

Appendix E

Conducted RF Output Power

Measurement of RF Conducted Power
1. Conducted Power of WCDMA
2. Conducted Power of LTE
3. Conducted Power of LTE UL_CA
4. Conducted Power of LTE DL_CA
5. Conducted Power of 5G NR
6. Conducted Power of WIFI2.4G
7. Conducted Power of WIFI5G
8. Conducted Power of Bluetooth

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Note:

State:	Trigger Conditions	Antenna No.
State0	Receiver off + Sensor off	All WWAN Ant
State1	Receiver off + Sensor on	All WWAN Ant
State3	Receiver on + Sensor off	All WWAN Ant
State4	Hotspot on	All WWAN Ant



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1. Conducted Power of WCDMA

Ant0:

WCDMA Band V State0&1&3&4					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.89	23.93	23.89	24.50
	12.2kbps AMR	23.91	23.87	23.86	24.50
HSDPA	Subtest 1	22.89	22.80	23.03	23.50
	Subtest 2	22.90	22.86	22.89	23.50
	Subtest 3	22.28	22.25	22.38	23.00
	Subtest 4	22.43	22.30	22.45	23.00
HSUPA	Subtest 1	20.76	20.67	20.92	21.50
	Subtest 2	20.84	20.98	20.75	21.50
	Subtest 3	21.92	22.00	22.03	22.50
	Subtest 4	20.50	20.51	20.23	21.00
	Subtest 5	21.88	21.83	21.97	22.50
DC-HSDPA	Subtest 1	22.80	23.04	22.85	23.50
	Subtest 2	22.91	22.69	22.84	23.50
	Subtest 3	22.24	22.28	22.49	23.00
	Subtest 4	22.33	22.53	22.24	23.00
HSPA+	16QAM	20.69	20.77	20.91	21.50

Ant3:

WCDMA Band II State0					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	23.05	23.08	23.02	24.50
	12.2kbps AMR	23.04	22.98	23.01	24.50
HSDPA	Subtest 1	21.94	22.01	22.02	23.50
	Subtest 2	22.11	21.98	22.06	23.50
	Subtest 3	21.47	21.45	21.52	23.00
	Subtest 4	21.64	21.55	21.61	23.00
HSUPA	Subtest 1	19.93	20.13	20.09	21.50
	Subtest 2	20.04	20.06	20.15	21.50
	Subtest 3	21.08	21.00	21.01	22.50
	Subtest 4	19.58	19.57	19.55	21.00
	Subtest 5	21.03	21.14	20.95	22.50
DC-HSDPA	Subtest 1	22.12	22.08	22.14	23.50
	Subtest 2	22.13	22.07	21.94	23.50
	Subtest 3	21.44	21.50	21.58	23.00
	Subtest 4	21.60	21.59	21.45	23.00
HSPA+	16QAM	20.08	20.10	20.09	21.50



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WCDMA Band II State3					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	18.01	18.05	17.96	19.50
	12.2kbps AMR	18.02	17.95	17.99	19.50
HSDPA	Subtest 1	16.90	16.96	16.98	18.50
	Subtest 2	17.09	16.96	17.00	18.50
	Subtest 3	16.46	16.43	16.46	18.00
	Subtest 4	16.60	16.52	16.55	18.00
HSUPA	Subtest 1	14.91	15.08	15.04	16.50
	Subtest 2	15.03	15.03	15.14	16.50
	Subtest 3	16.04	15.98	15.97	17.50
	Subtest 4	14.55	14.51	14.53	16.00
	Subtest 5	15.99	16.12	15.92	17.50
DC-HSDPA	Subtest 1	17.06	17.03	17.08	18.50
	Subtest 2	17.11	17.02	16.93	18.50
	Subtest 3	16.39	16.46	16.57	18.00
	Subtest 4	16.54	16.58	16.42	18.00
HSPA+	16QAM	15.07	15.05	15.08	16.50

WCDMA Band II State1&4					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	20.98	21.01	20.94	22.50
	12.2kbps AMR	21	20.9	20.93	22.50
HSDPA	Subtest 1	19.87	19.95	19.97	21.50
	Subtest 2	20.05	19.90	19.95	21.50
	Subtest 3	19.44	19.40	19.42	21.00
	Subtest 4	19.58	19.47	19.50	21.00
HSUPA	Subtest 1	17.87	18.06	17.99	19.50
	Subtest 2	18.00	18.01	18.13	19.50
	Subtest 3	19.02	18.94	18.91	20.50
	Subtest 4	17.49	17.49	17.48	19.00
	Subtest 5	18.96	19.07	18.86	20.50
DC-HSDPA	Subtest 1	20.00	20.00	20.06	21.50
	Subtest 2	20.07	20.00	19.88	21.50
	Subtest 3	19.35	19.43	19.51	21.00
	Subtest 4	19.50	19.56	19.40	21.00
HSPA+	16QAM	18.04	17.99	18.05	19.50

WCDMA Band IV State 0&1					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	23.54	23.57	23.55	24.50
	12.2kbps AMR	23.44	23.37	23.51	24.50



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HSDPA	Subtest 1	22.40	22.49	22.52	23.50
	Subtest 2	22.37	22.48	22.49	23.50
	Subtest 3	21.84	21.87	21.98	23.00
	Subtest 4	22.03	21.92	22.04	23.00
HSUPA	Subtest 1	20.47	20.39	20.49	21.50
	Subtest 2	20.50	20.36	20.52	21.50
	Subtest 3	21.50	21.50	21.34	22.50
	Subtest 4	20.02	19.97	19.96	21.00
	Subtest 5	21.38	21.53	21.39	22.50
DC-HSDPA	Subtest 1	22.39	22.42	22.38	23.50
	Subtest 2	22.51	22.51	22.52	23.50
	Subtest 3	21.97	22.03	22.04	23.00
	Subtest 4	21.86	21.93	21.91	23.00
HSPA+	16QAM	20.42	20.45	20.45	21.50

WCDMA Band IV State 3					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	19.52	19.55	19.54	20.50
	12.2kbps AMR	19.41	19.34	19.49	20.50
HSDPA	Subtest 1	18.37	18.46	18.47	19.50
	Subtest 2	18.32	18.43	18.45	19.50
	Subtest 3	17.81	17.86	17.95	19.00
	Subtest 4	17.98	17.86	17.99	19.00
HSUPA	Subtest 1	16.43	16.36	16.45	17.50
	Subtest 2	16.49	16.34	16.51	17.50
	Subtest 3	17.45	17.45	17.32	18.50
	Subtest 4	15.96	15.95	15.94	17.00
	Subtest 5	17.37	17.48	17.35	18.50
DC-HSDPA	Subtest 1	18.36	18.37	18.34	19.50
	Subtest 2	18.49	18.49	18.49	19.50
	Subtest 3	17.95	17.97	18.00	19.00
	Subtest 4	17.83	17.89	17.88	19.00
HSPA+	16QAM	16.40	16.39	16.40	17.50

WCDMA Band IV State 4					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	21.97	22.03	22.00	23.00
	12.2kbps AMR	21.87	21.80	21.98	23.00
HSDPA	Subtest 1	21.84	21.93	21.95	23.00
	Subtest 2	21.79	21.90	21.91	23.00
	Subtest 3	21.79	21.83	21.94	23.00
	Subtest 4	21.94	21.83	21.95	23.00
HSUPA	Subtest 1	21.89	21.82	21.89	23.00



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	Subtest 2	21.95	21.79	21.96	23.00
	Subtest 3	21.90	21.93	21.80	23.00
	Subtest 4	21.90	21.92	21.90	23.00
	Subtest 5	21.84	21.97	21.80	23.00
DC-HSDPA	Subtest 1	21.85	21.84	21.79	23.00
	Subtest 2	21.97	21.98	21.94	23.00
	Subtest 3	21.92	21.94	21.97	23.00
	Subtest 4	21.79	21.86	21.85	23.00
HSPA+	16QAM	21.88	21.87	21.87	23.00

2. Conducted Power of LTE

Ant0:

LTE Band 5 State0&1&3&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	23.67	23.78	23.68	25.00
		1	2	23.77	23.63	23.79	25.00
		1	5	23.76	23.85	23.64	25.00
		3	0	23.69	23.82	23.82	25.00
		3	2	23.73	23.71	23.83	25.00
		3	3	23.66	23.63	23.75	25.00
		6	0	22.68	22.74	22.65	24.00
	16QAM	1	0	22.75	22.81	22.77	24.00
		1	2	22.82	22.81	22.77	24.00
		1	5	22.64	22.71	22.77	24.00
		3	0	22.65	22.82	22.77	24.00
		3	2	22.80	22.83	22.84	24.00
		3	3	22.71	22.76	22.63	24.00
		6	0	21.71	21.66	21.75	23.00
	64QAM	1	0	21.68	21.74	21.66	23.00
		1	2	21.65	21.84	21.78	23.00
		1	5	21.81	21.65	21.77	23.00
		3	0	21.75	21.82	21.85	23.00
		3	2	21.80	21.82	21.70	23.00
		3	3	21.64	21.73	21.74	23.00
		6	0	20.78	20.84	20.69	22.00
	256QAM	1	0	20.71	20.84	20.67	22.00
		1	2	20.69	20.74	20.76	22.00
		1	5	20.66	20.79	20.68	22.00
		3	0	20.84	20.71	20.85	22.00
		3	2	20.75	20.75	20.70	22.00
		3	3	20.67	20.81	20.84	22.00
		6	0	19.70	19.76	19.84	21.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	24.04	23.97	23.98	25.00
		1	7	23.86	24.15	24.11	25.00
		1	14	24.12	24.01	24.13	25.00
		8	0	22.98	22.98	22.97	24.00
		8	4	23.02	22.87	23.04	24.00
		8	7	22.82	22.90	22.99	24.00
		15	0	23.00	23.01	22.94	24.00
	16QAM	1	0	22.99	22.91	22.92	24.00
		1	7	22.90	22.90	23.11	24.00
		1	14	23.02	22.99	22.91	24.00
		8	0	21.95	22.16	22.11	23.00
		8	4	21.83	22.05	21.96	23.00
		8	7	21.81	22.06	21.99	23.00
		15	0	22.10	21.83	22.10	23.00
	64QAM	1	0	21.93	21.99	21.92	23.00
		1	7	21.94	21.93	22.07	23.00
		1	14	21.94	22.03	21.98	23.00
		8	0	20.87	20.85	21.04	22.00
		8	4	21.02	20.80	21.02	22.00
		8	7	21.07	20.91	20.98	22.00
		15	0	21.10	20.93	20.98	22.00
	256QAM	1	0	20.92	20.88	21.00	22.00
		1	7	21.07	20.82	21.07	22.00
		1	14	21.07	21.07	21.02	22.00
		8	0	19.93	19.81	20.02	21.00
		8	4	19.99	19.90	20.00	21.00
		8	7	19.96	19.82	20.04	21.00
		15	0	20.04	19.80	20.02	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	24.10	23.97	23.92	25.00
		1	13	24.03	24.01	23.94	25.00
		1	24	24.12	24.03	24.10	25.00
		12	0	22.89	23.00	22.93	24.00
		12	6	22.98	22.96	23.00	24.00
		12	13	22.78	22.81	22.99	24.00
		25	0	23.01	23.00	22.92	24.00
	16QAM	1	0	22.81	22.93	22.91	24.00
		1	13	22.98	22.89	23.04	24.00
		1	24	23.10	22.95	22.91	24.00
		12	0	21.91	22.03	22.10	23.00
		12	6	21.91	22.06	21.83	23.00
		12	13	21.83	21.93	22.02	23.00



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	64QAM	25	0	21.91	21.82	21.97	23.00
		1	0	22.05	22.05	21.85	23.00
		1	13	21.97	21.95	21.97	23.00
		1	24	21.90	21.92	21.99	23.00
		12	0	20.98	20.88	21.06	22.00
		12	6	20.93	20.83	21.03	22.00
		12	13	21.01	21.09	20.89	22.00
		25	0	21.09	20.86	21.12	22.00
	256QAM	1	0	20.94	21.00	21.02	22.00
		1	13	21.08	20.93	21.05	22.00
		1	24	21.03	21.00	21.00	22.00
		12	0	20.00	19.82	20.14	21.00
		12	6	19.90	19.92	20.04	21.00
		12	13	20.01	19.98	19.98	21.00
		25	0	20.03	19.80	20.14	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20525	/	
10MHz	QPSK	1	0	/	24.26	/	25.00
		1	25	/	24.16	/	25.00
		1	49	/	24.00	/	25.00
		25	0	/	22.85	/	24.00
		25	13	/	22.82	/	24.00
		25	25	/	22.78	/	24.00
		50	0	/	23.01	/	24.00
	16QAM	1	0	/	22.87	/	24.00
		1	25	/	22.86	/	24.00
		1	49	/	22.99	/	24.00
		25	0	/	22.10	/	23.00
		25	13	/	21.98	/	23.00
		25	25	/	21.98	/	23.00
		50	0	/	21.97	/	23.00
	64QAM	1	0	/	22.12	/	23.00
		1	25	/	21.94	/	23.00
		1	49	/	22.08	/	23.00
		25	0	/	20.90	/	22.00
		25	13	/	20.85	/	22.00
		25	25	/	20.96	/	22.00
		50	0	/	20.85	/	22.00
	256QAM	1	0	/	20.90	/	22.00
		1	25	/	20.79	/	22.00
		1	49	/	21.09	/	22.00
		25	0	/	19.99	/	21.00
		25	13	/	19.76	/	21.00
		25	25	/	19.91	/	21.00
		50	0	/	19.99	/	21.00



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LTE FDD Band 12 State0&1&3&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	23.70	23.72	23.70	25.00
		1	2	23.65	23.76	23.68	25.00
		1	5	23.76	23.77	23.68	25.00
		3	0	23.82	23.82	23.75	25.00
		3	2	23.73	23.78	23.81	25.00
		3	3	23.85	23.75	23.83	25.00
		6	0	22.68	22.80	22.85	24.00
	16QAM	1	0	22.84	22.72	22.85	24.00
		1	2	22.77	22.63	22.83	24.00
		1	5	22.74	22.74	22.67	24.00
		3	0	22.74	22.71	22.66	24.00
		3	2	22.82	22.69	22.68	24.00
		3	3	22.63	22.72	22.72	24.00
		6	0	21.78	21.76	21.66	23.00
	64QAM	1	0	21.78	21.73	21.79	23.00
		1	2	21.84	21.74	21.68	23.00
		1	5	21.85	21.64	21.74	23.00
		3	0	21.80	21.74	21.70	23.00
		3	2	21.65	21.82	21.69	23.00
		3	3	21.65	21.67	21.76	23.00
		6	0	20.68	20.64	20.79	22.00
	256QAM	1	0	20.74	20.77	20.77	22.00
		1	2	20.68	20.80	20.69	22.00
		1	5	20.77	20.71	20.67	22.00
		3	0	20.66	20.76	20.83	22.00
		3	2	20.79	20.63	20.76	22.00
		3	3	20.67	20.81	20.72	22.00
		6	0	19.74	19.63	19.70	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.99	24.08	23.79	25.00
		1	7	23.89	24.06	23.85	25.00
		1	14	24.00	23.90	23.97	25.00
		8	0	22.81	22.87	22.89	24.00
		8	4	22.97	22.89	22.87	24.00
		8	7	22.76	22.76	22.94	24.00
		15	0	22.96	22.81	22.78	24.00
	16QAM	1	0	22.76	22.77	22.82	24.00
		1	7	22.96	22.81	22.93	24.00
		1	14	23.03	22.94	22.99	24.00



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		8	0	21.89	21.90	22.06	23.00
		8	4	21.73	21.92	21.81	23.00
		8	7	21.79	21.94	22.04	23.00
		15	0	21.84	21.79	21.86	23.00
	64QAM	1	0	21.86	21.99	21.91	23.00
		1	7	21.89	21.94	22.04	23.00
		1	14	21.86	21.98	21.88	23.00
		8	0	20.92	20.82	21.03	22.00
		8	4	20.93	20.86	20.94	22.00
		8	7	20.88	20.91	20.91	22.00
		15	0	20.92	20.81	20.98	22.00
	256QAM	1	0	20.86	20.94	20.90	22.00
		1	7	21.01	20.90	20.91	22.00
		1	14	20.89	21.07	20.81	22.00
		8	0	19.90	19.92	19.91	21.00
		8	4	19.95	19.86	19.92	21.00
		8	7	20.00	19.85	19.97	21.00
		15	0	19.95	19.77	19.91	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	24.02	23.94	23.80	25.00
		1	13	23.77	24.09	23.97	25.00
		1	24	24.07	23.94	24.02	25.00
		12	0	22.85	22.95	22.96	24.00
		12	6	22.85	22.80	22.92	24.00
		12	13	22.79	22.78	22.81	24.00
		25	0	22.87	22.80	22.94	24.00
	16QAM	1	0	22.89	22.81	22.97	24.00
		1	13	22.83	22.95	22.98	24.00
		1	24	22.97	22.89	23.05	24.00
		12	0	21.74	22.06	21.96	23.00
		12	6	21.78	21.95	21.96	23.00
		12	13	21.78	21.92	22.07	23.00
		25	0	22.06	21.80	22.07	23.00
	64QAM	1	0	21.84	22.04	21.79	23.00
		1	13	21.90	21.93	21.96	23.00
		1	24	21.92	21.88	22.04	23.00
		12	0	20.80	20.77	20.91	22.00
		12	6	20.80	20.81	20.92	22.00
		12	13	20.95	20.95	20.90	22.00
		25	0	20.94	20.83	21.04	22.00
	256QAM	1	0	20.94	20.92	20.85	22.00
		1	13	20.91	20.87	20.93	22.00
		1	24	21.05	20.93	20.90	22.00
		12	0	19.81	19.87	20.01	21.00

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		12	6	19.83	19.77	19.94	21.00
		12	13	19.92	19.82	19.81	21.00
		25	0	20.07	19.88	19.93	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23095	/	
10MHz	QPSK	1	0	/	24.11	/	25.00
		1	25	/	24.04	/	25.00
		1	49	/	23.97	/	25.00
		25	0	/	23.02	/	24.00
		25	13	/	22.91	/	24.00
		25	25	/	22.85	/	24.00
		50	0	/	22.93	/	24.00
	16QAM	1	0	/	22.89	/	24.00
		1	25	/	22.76	/	24.00
		1	49	/	22.90	/	24.00
		25	0	/	22.02	/	23.00
		25	13	/	21.86	/	23.00
		25	25	/	21.87	/	23.00
		50	0	/	21.92	/	23.00
	64QAM	1	0	/	22.02	/	23.00
		1	25	/	22.00	/	23.00
		1	49	/	21.94	/	23.00
		25	0	/	20.78	/	22.00
		25	13	/	20.75	/	22.00
		25	25	/	20.97	/	22.00
		50	0	/	20.89	/	22.00
	256QAM	1	0	/	20.80	/	22.00
		1	25	/	20.75	/	22.00
		1	49	/	20.93	/	22.00
		25	0	/	19.85	/	21.00
		25	13	/	19.80	/	21.00
		25	25	/	19.80	/	21.00
		50	0	/	19.94	/	21.00

LTE FDD Band 14				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23330	/	
5MHz	QPSK	1	0	/	23.98	/	25.00
		1	13	/	24.09	/	25.00
		1	24	/	24.02	/	25.00
		12	0	/	23.01	/	24.00
		12	6	/	22.92	/	24.00
		12	13	/	22.90	/	24.00
		25	0	/	22.87	/	24.00



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	16QAM	1	0	/	22.81	/	24.00
		1	13	/	22.84	/	24.00
		1	24	/	22.95	/	24.00
		12	0	/	22.05	/	23.00
		12	6	/	22.01	/	23.00
		12	13	/	22.06	/	23.00
		25	0	/	21.88	/	23.00
	64QAM	1	0	/	21.96	/	23.00
		1	13	/	22.03	/	23.00
		1	24	/	22.04	/	23.00
		12	0	/	20.95	/	22.00
		12	6	/	20.92	/	22.00
		12	13	/	20.98	/	22.00
		25	0	/	20.97	/	22.00
	256QAM	1	0	/	20.87	/	22.00
		1	13	/	20.97	/	22.00
		1	24	/	20.98	/	22.00
		12	0	/	19.83	/	21.00
		12	6	/	19.77	/	21.00
		12	13	/	19.82	/	21.00
		25	0	/	19.91	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23330	/	
10MHz	QPSK	1	0	/	24.15	/	25.00
		1	25	/	24.11	/	25.00
		1	49	/	23.85	/	25.00
		25	0	/	23.02	/	24.00
		25	13	/	22.98	/	24.00
		25	25	/	22.97	/	24.00
		50	0	/	22.98	/	24.00
	16QAM	1	0	/	22.8	/	24.00
		1	25	/	22.95	/	24.00
		1	49	/	22.99	/	24.00
		25	0	/	22	/	23.00
		25	13	/	21.91	/	23.00
		25	25	/	22	/	23.00
		50	0	/	21.95	/	23.00
	64QAM	1	0	/	22.15	/	23.00
		1	25	/	21.92	/	23.00
		1	49	/	22.01	/	23.00
		25	0	/	20.96	/	22.00
		25	13	/	20.79	/	22.00
		25	25	/	20.98	/	22.00
		50	0	/	20.97	/	22.00
	256QAM	1	0	/	21.03	/	22.00



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		1	25	/	20.81	/	22.00
		1	49	/	20.93	/	22.00
		25	0	/	19.92	/	21.00
		25	13	/	19.92	/	21.00
		25	25	/	19.96	/	21.00
		50	0	/	19.94	/	21.00

LTE FDD Band 17 State0&1&3&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23790	/	
5MHz	QPSK	1	0	/	23.93	/	25.00
		1	13	/	24.08	/	25.00
		1	24	/	23.97	/	25.00
		12	0	/	22.87	/	24.00
		12	6	/	22.83	/	24.00
		12	13	/	22.71	/	24.00
		25	0	/	22.93	/	24.00
	16QAM	1	0	/	22.92	/	24.00
		1	13	/	22.88	/	24.00
		1	24	/	22.87	/	24.00
		12	0	/	21.94	/	23.00
		12	6	/	21.84	/	23.00
		12	13	/	21.81	/	23.00
		25	0	/	21.83	/	23.00
	64QAM	1	0	/	21.94	/	23.00
		1	13	/	22.02	/	23.00
		1	24	/	22.04	/	23.00
		12	0	/	20.90	/	22.00
		12	6	/	20.91	/	22.00
		12	13	/	20.96	/	22.00
		25	0	/	20.78	/	22.00
	256QAM	1	0	/	20.83	/	22.00
		1	13	/	20.88	/	22.00
		1	24	/	21.08	/	22.00
		12	0	/	19.80	/	21.00
		12	6	/	19.88	/	21.00
		12	13	/	19.84	/	21.00
		25	0	/	19.89	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23790	/	
10MHz	QPSK	1	0	/	24.16	/	25.00
		1	25	/	24.02	/	25.00
		1	49	/	23.86	/	25.00
		25	0	/	23.06	/	24.00



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		25	13	/	22.94	/	24.00
		25	25	/	22.80	/	24.00
		50	0	/	22.94	/	24.00
	16QAM	1	0	/	22.75	/	24.00
		1	25	/	22.91	/	24.00
		1	49	/	22.87	/	24.00
		25	0	/	21.99	/	23.00
		25	13	/	21.96	/	23.00
		25	25	/	22.00	/	23.00
		50	0	/	21.90	/	23.00
	64QAM	1	0	/	22.02	/	23.00
		1	25	/	21.90	/	23.00
		1	49	/	21.94	/	23.00
		25	0	/	20.93	/	22.00
		25	13	/	20.86	/	22.00
		25	25	/	21.02	/	22.00
		50	0	/	20.80	/	22.00
	256QAM	1	0	/	20.85	/	22.00
		1	25	/	20.85	/	22.00
		1	49	/	20.99	/	22.00
		25	0	/	19.84	/	21.00
		25	13	/	19.77	/	21.00
		25	25	/	19.73	/	21.00
		50	0	/	19.82	/	21.00



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LTE Band 2 State0&1&3&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.35	23.33	23.27	25.00
		1	2	23.43	23.27	23.36	25.00
		1	5	23.36	23.26	23.38	25.00
		3	0	23.25	23.32	23.41	25.00
		3	2	23.38	23.42	23.42	25.00
		3	3	23.39	23.40	23.34	25.00
		6	0	22.29	22.35	22.27	24.00
	16QAM	1	0	22.40	22.32	22.31	24.00
		1	2	22.37	22.35	22.45	24.00
		1	5	22.37	22.26	22.27	24.00
		3	0	22.36	22.32	22.38	24.00
		3	2	22.35	22.39	22.35	24.00
		3	3	22.36	22.26	22.32	24.00
		6	0	21.30	21.44	21.44	23.00
	64QAM	1	0	21.43	21.40	21.25	23.00
		1	2	21.38	21.37	21.28	23.00
		1	5	21.24	21.42	21.35	23.00
		3	0	21.36	21.28	21.41	23.00
		3	2	21.29	21.31	21.44	23.00
		3	3	21.25	21.34	21.24	23.00
		6	0	20.23	20.28	20.43	22.00
	256QAM	1	0	20.25	20.40	20.39	22.00
		1	2	20.38	20.37	20.41	22.00
		1	5	20.33	20.36	20.41	22.00
		3	0	20.24	20.28	20.41	22.00
		3	2	20.23	20.26	20.40	22.00
		3	3	20.40	20.37	20.30	22.00
		6	0	19.27	19.37	19.27	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.70	23.63	23.42	25.00
		1	7	23.51	23.65	23.43	25.00
		1	14	23.65	23.48	23.55	25.00
		8	0	22.41	22.59	22.52	24.00
		8	4	22.42	22.45	22.59	24.00
		8	7	22.48	22.47	22.44	24.00
		15	0	22.66	22.40	22.37	24.00
	16QAM	1	0	22.41	22.53	22.49	24.00
		1	7	22.48	22.41	22.53	24.00
		1	14	22.69	22.63	22.47	24.00



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		8	0	21.51	21.57	21.46	23.00
		8	4	21.40	21.47	21.40	23.00
		8	7	21.37	21.59	21.57	23.00
		15	0	21.61	21.51	21.55	23.00
	64QAM	1	0	21.53	21.50	21.33	23.00
		1	7	21.57	21.53	21.57	23.00
		1	14	21.48	21.59	21.45	23.00
		8	0	20.44	20.40	20.46	22.00
		8	4	20.54	20.44	20.60	22.00
		8	7	20.56	20.59	20.42	22.00
		15	0	20.62	20.40	20.57	22.00
	256QAM	1	0	20.46	20.51	20.49	22.00
		1	7	20.62	20.39	20.57	22.00
		1	14	20.63	20.68	20.41	22.00
		8	0	19.48	19.48	19.64	21.00
		8	4	19.44	19.38	19.66	21.00
		8	7	19.43	19.47	19.45	21.00
		15	0	19.52	19.51	19.54	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.55	23.54	23.34	25.00
		1	13	23.52	23.54	23.63	25.00
		1	24	23.54	23.52	23.54	25.00
		12	0	22.53	22.38	22.45	24.00
		12	6	22.54	22.47	22.51	24.00
		12	13	22.32	22.32	22.53	24.00
		25	0	22.63	22.45	22.50	24.00
	16QAM	1	0	22.49	22.53	22.52	24.00
		1	13	22.55	22.40	22.61	24.00
		1	24	22.69	22.54	22.51	24.00
		12	0	21.39	21.59	21.53	23.00
		12	6	21.33	21.45	21.42	23.00
		12	13	21.40	21.42	21.62	23.00
		25	0	21.63	21.47	21.65	23.00
	64QAM	1	0	21.49	21.49	21.44	23.00
		1	13	21.52	21.52	21.55	23.00
		1	24	21.40	21.50	21.61	23.00
		12	0	20.47	20.49	20.45	22.00
		12	6	20.41	20.52	20.48	22.00
		12	13	20.49	20.62	20.57	22.00
		25	0	20.62	20.38	20.54	22.00
	256QAM	1	0	20.51	20.47	20.53	22.00
		1	13	20.56	20.53	20.44	22.00
		1	24	20.58	20.67	20.55	22.00
		12	0	19.40	19.33	19.50	21.00



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		12	6	19.50	19.49	19.51	21.00
		12	13	19.41	19.46	19.45	21.00
		25	0	19.50	19.37	19.60	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.57	23.53	23.52	25.00
		1	25	23.36	23.66	23.59	25.00
		1	49	23.64	23.41	23.63	25.00
		25	0	22.45	22.47	22.55	24.00
		25	13	22.46	22.52	22.60	24.00
		25	25	22.52	22.46	22.56	24.00
		50	0	22.56	22.52	22.36	24.00
	16QAM	1	0	22.48	22.54	22.43	24.00
		1	25	22.37	22.47	22.50	24.00
		1	49	22.51	22.50	22.47	24.00
		25	0	21.48	21.55	21.46	23.00
		25	13	21.35	21.51	21.46	23.00
		25	25	21.51	21.56	21.53	23.00
		50	0	21.47	21.30	21.57	23.00
	64QAM	1	0	21.55	21.61	21.49	23.00
		1	25	21.64	21.42	21.71	23.00
		1	49	21.39	21.50	21.55	23.00
		25	0	20.32	20.53	20.56	22.00
		25	13	20.46	20.41	20.63	22.00
		25	25	20.50	20.59	20.49	22.00
		50	0	20.59	20.46	20.49	22.00
	256QAM	1	0	20.52	20.47	20.52	22.00
		1	25	20.53	20.39	20.42	22.00
		1	49	20.68	20.66	20.38	22.00
		25	0	19.51	19.35	19.57	21.00
		25	13	19.35	19.46	19.51	21.00
		25	25	19.41	19.54	19.59	21.00
		50	0	19.58	19.45	19.67	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.52	23.66	23.51	25.00
		1	38	23.54	23.66	23.50	25.00
		1	74	23.54	23.40	23.64	25.00
		36	0	22.49	22.57	22.63	24.00
		36	18	22.43	22.49	22.52	24.00
		36	39	22.31	22.32	22.58	24.00
		75	0	22.62	22.52	22.46	24.00
	16QAM	1	0	22.42	22.47	22.50	24.00
		1	38	22.40	22.49	22.64	24.00
		1	74	22.50	22.47	22.46	24.00



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		36	0	21.48	21.50	21.49	23.00
		36	18	21.31	21.52	21.56	23.00
		36	39	21.53	21.51	21.51	23.00
		75	0	21.60	21.50	21.62	23.00
	64QAM	1	0	21.60	21.57	21.48	23.00
		1	38	21.48	21.41	21.60	23.00
		1	74	21.58	21.58	21.55	23.00
		36	0	20.52	20.50	20.49	22.00
		36	18	20.41	20.37	20.59	22.00
		36	39	20.55	20.41	20.38	22.00
		75	0	20.64	20.34	20.48	22.00
	256QAM	1	0	20.50	20.43	20.43	22.00
		1	38	20.53	20.41	20.55	22.00
		1	74	20.57	20.61	20.52	22.00
		36	0	19.61	19.49	19.53	21.00
		36	18	19.54	19.40	19.71	21.00
		36	39	19.53	19.40	19.47	21.00
		75	0	19.54	19.47	19.58	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.63	23.72	23.68	25.00
		1	50	23.40	23.53	23.43	25.00
		1	99	23.47	23.43	23.63	25.00
		50	0	22.56	22.55	22.57	24.00
		50	25	22.45	22.51	22.55	24.00
		50	50	22.45	22.36	22.53	24.00
		100	0	22.49	22.52	22.47	24.00
	16QAM	1	0	22.38	22.36	22.42	24.00
		1	50	22.56	22.53	22.55	24.00
		1	99	22.54	22.47	22.48	24.00
		50	0	21.39	21.66	21.51	23.00
		50	25	21.33	21.52	21.47	23.00
		50	50	21.51	21.55	21.63	23.00
		100	0	21.64	21.33	21.60	23.00
	64QAM	1	0	21.54	21.48	21.51	23.00
		1	50	21.61	21.53	21.64	23.00
		1	99	21.59	21.56	21.53	23.00
		50	0	20.45	20.41	20.53	22.00
		50	25	20.54	20.33	20.54	22.00
		50	50	20.63	20.51	20.46	22.00
		100	0	20.65	20.38	20.63	22.00
	256QAM	1	0	20.53	20.41	20.52	22.00
		1	50	20.53	20.35	20.41	22.00
		1	99	20.66	20.61	20.48	22.00
		50	0	19.44	19.37	19.52	21.00



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		50	25	19.46	19.48	19.50	21.00
		50	50	19.47	19.35	19.41	21.00
		100	0	19.56	19.37	19.54	21.00

LTE FDD Band 30 State0&1&3&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
5MHz	QPSK	1	0	/	23.09	/	24.50
		1	13	/	23.13	/	24.50
		1	24	/	22.86	/	24.50
		12	0	/	21.95	/	23.50
		12	6	/	21.91	/	23.50
		12	13	/	21.92	/	23.50
		25	0	/	21.98	/	23.50
	16QAM	1	0	/	21.84	/	23.50
		1	13	/	21.98	/	23.50
		1	24	/	21.97	/	23.50
		12	0	/	21.00	/	22.50
		12	6	/	21.13	/	22.50
		12	13	/	20.91	/	22.50
		25	0	/	20.90	/	22.50
	64QAM	1	0	/	20.98	/	22.50
		1	13	/	20.92	/	22.50
		1	24	/	21.05	/	22.50
		12	0	/	19.98	/	21.50
		12	6	/	19.97	/	21.50
		12	13	/	19.92	/	21.50
		25	0	/	19.87	/	21.50
	256QAM	1	0	/	20.06	/	21.50
		1	13	/	19.82	/	21.50
		1	24	/	19.99	/	21.50
		12	0	/	18.87	/	20.50
		12	6	/	18.87	/	20.50
		12	13	/	19.01	/	20.50
		25	0	/	18.88	/	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
10MHz	QPSK	1	0	/	23.19	/	24.50
		1	25	/	23.17	/	24.50
		1	49	/	22.95	/	24.50
		25	0	/	22.07	/	23.50
		25	13	/	22.03	/	23.50
		25	25	/	21.87	/	23.50
		50	0	/	22.06	/	23.50



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	16QAM	1	0	/	22.01	/	23.50
		1	25	/	21.91	/	23.50
		1	49	/	22.08	/	23.50
		25	0	/	21.19	/	22.50
		25	13	/	21.09	/	22.50
		25	25	/	21.09	/	22.50
		50	0	/	20.94	/	22.50
	64QAM	1	0	/	21.00	/	22.50
		1	25	/	21.02	/	22.50
		1	49	/	20.99	/	22.50
		25	0	/	20.06	/	21.50
		25	13	/	19.98	/	21.50
		25	25	/	19.99	/	21.50
		50	0	/	20.00	/	21.50
	256QAM	1	0	/	20.06	/	21.50
		1	25	/	19.99	/	21.50
		1	49	/	20.10	/	21.50
		25	0	/	19.00	/	20.50
		25	13	/	18.99	/	20.50
		25	25	/	18.91	/	20.50
		50	0	/	18.83	/	20.50

LTE Band 66 State0&1&3&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.32	23.34	23.26	25.00
		1	2	23.33	23.41	23.28	25.00
		1	5	23.40	23.43	23.24	25.00
		3	0	23.32	23.32	23.30	25.00
		3	1	23.31	23.24	23.44	25.00
		3	3	23.24	23.37	23.30	25.00
		6	0	22.44	22.38	22.44	24.00
	16QAM	1	0	22.25	22.41	22.26	24.00
		1	2	22.29	22.25	22.45	24.00
		1	5	22.35	22.42	22.33	24.00
		3	0	22.25	22.32	22.30	24.00
		3	1	22.33	22.41	22.26	24.00
		3	3	22.27	22.39	22.26	24.00
		6	0	21.31	21.39	21.39	23.00
	64QAM	1	0	21.43	21.33	21.29	23.00
		1	2	21.42	21.42	21.38	23.00
		1	5	21.33	21.44	21.29	23.00
		3	0	21.30	21.24	21.29	23.00
		3	1	21.41	21.39	21.25	23.00



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		3	3	21.33	21.32	21.28	23.00
		6	0	20.44	20.39	20.42	22.00
	256QAM	1	0	20.38	20.29	20.37	22.00
		1	2	20.39	20.32	20.33	22.00
		1	5	20.26	20.40	20.36	22.00
		3	0	20.33	20.34	20.27	22.00
		3	1	20.31	20.40	20.45	22.00
		3	3	20.42	20.30	20.26	22.00
		6	0	19.24	19.37	19.41	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	23.59	23.52	23.45	25.00
		1	7	23.38	23.55	23.59	25.00
		1	14	23.61	23.56	23.54	25.00
		8	0	22.41	22.53	22.62	24.00
		8	4	22.44	22.43	22.49	24.00
		8	7	22.41	22.38	22.58	24.00
		15	0	22.48	22.45	22.48	24.00
	16QAM	1	0	22.46	22.33	22.41	24.00
		1	7	22.38	22.47	22.59	24.00
		1	14	22.57	22.52	22.57	24.00
		8	0	21.53	21.63	21.62	23.00
		8	4	21.52	21.65	21.46	23.00
		8	7	21.34	21.55	21.56	23.00
		15	0	21.64	21.49	21.63	23.00
	64QAM	1	0	21.47	21.67	21.49	23.00
		1	7	21.55	21.54	21.56	23.00
		1	14	21.42	21.64	21.63	23.00
		8	0	20.40	20.50	20.62	22.00
		8	4	20.58	20.32	20.49	22.00
		8	7	20.51	20.52	20.46	22.00
		15	0	20.54	20.44	20.58	22.00
	256QAM	1	0	20.62	20.57	20.58	22.00
		1	7	20.47	20.53	20.63	22.00
		1	14	20.48	20.70	20.51	22.00
		8	0	19.49	19.41	19.56	21.00
		8	4	19.35	19.49	19.58	21.00
		8	7	19.47	19.47	19.44	21.00
		15	0	19.53	19.33	19.56	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	23.52	23.64	23.46	25.00
		1	13	23.49	23.70	23.56	25.00
		1	24	23.51	23.35	23.65	25.00
		12	0	22.52	22.50	22.45	24.00



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		12	6	22.50	22.47	22.62	24.00
		12	13	22.49	22.31	22.58	24.00
		25	0	22.48	22.44	22.43	24.00
	16QAM	1	0	22.41	22.42	22.55	24.00
		1	13	22.44	22.43	22.59	24.00
		1	24	22.63	22.66	22.48	24.00
		12	0	21.54	21.50	21.54	23.00
		12	6	21.46	21.46	21.35	23.00
		12	13	21.46	21.46	21.64	23.00
		25	0	21.45	21.45	21.47	23.00
	64QAM	1	0	21.43	21.67	21.50	23.00
		1	13	21.57	21.43	21.64	23.00
		1	24	21.47	21.59	21.62	23.00
		12	0	20.42	20.50	20.50	22.00
		12	6	20.39	20.38	20.48	22.00
		12	13	20.59	20.53	20.41	22.00
		25	0	20.55	20.38	20.60	22.00
	256QAM	1	0	20.62	20.60	20.53	22.00
		1	13	20.50	20.44	20.41	22.00
		1	24	20.66	20.48	20.54	22.00
		12	0	19.60	19.30	19.49	21.00
		12	6	19.39	19.41	19.51	21.00
		12	13	19.42	19.49	19.49	21.00
		25	0	19.61	19.46	19.51	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.54	23.69	23.49	25.00
		1	25	23.45	23.52	23.60	25.00
		1	49	23.59	23.38	23.61	25.00
		25	0	22.47	22.46	22.48	24.00
		25	13	22.45	22.53	22.63	24.00
		25	25	22.46	22.39	22.57	24.00
		50	0	22.59	22.42	22.53	24.00
	16QAM	1	0	22.42	22.32	22.55	24.00
		1	25	22.49	22.36	22.50	24.00
		1	49	22.57	22.64	22.48	24.00
		25	0	21.35	21.52	21.57	23.00
		25	13	21.35	21.58	21.46	23.00
		25	25	21.40	21.57	21.61	23.00
		50	0	21.60	21.46	21.60	23.00
	64QAM	1	0	21.60	21.58	21.49	23.00
		1	25	21.52	21.47	21.61	23.00
		1	49	21.50	21.56	21.56	23.00
		25	0	20.52	20.45	20.59	22.00
		25	13	20.57	20.43	20.56	22.00



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		25	25	20.61	20.44	20.40	22.00
		50	0	20.58	20.36	20.46	22.00
	256QAM	1	0	20.56	20.41	20.49	22.00
		1	25	20.60	20.47	20.45	22.00
		1	49	20.47	20.70	20.59	22.00
		25	0	19.51	19.35	19.48	21.00
		25	13	19.39	19.38	19.67	21.00
		25	25	19.60	19.41	19.60	21.00
		50	0	19.62	19.36	19.66	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	23.59	23.68	23.38	25.00
		1	38	23.43	23.50	23.52	25.00
		1	74	23.62	23.37	23.53	25.00
		36	0	22.50	22.42	22.62	24.00
		36	18	22.54	22.39	22.61	24.00
		36	39	22.38	22.37	22.42	24.00
		75	0	22.50	22.49	22.54	24.00
	16QAM	1	0	22.39	22.41	22.39	24.00
		1	38	22.54	22.45	22.50	24.00
		1	74	22.49	22.50	22.52	24.00
		36	0	21.54	21.56	21.61	23.00
		36	18	21.43	21.57	21.55	23.00
		36	39	21.34	21.49	21.62	23.00
		75	0	21.63	21.41	21.49	23.00
	64QAM	1	0	21.55	21.68	21.42	23.00
		1	38	21.63	21.43	21.62	23.00
		1	74	21.47	21.61	21.55	23.00
		36	0	20.43	20.47	20.50	22.00
		36	18	20.54	20.34	20.63	22.00
		36	39	20.63	20.42	20.52	22.00
		75	0	20.71	20.48	20.47	22.00
	256QAM	1	0	20.44	20.53	20.50	22.00
		1	38	20.63	20.40	20.47	22.00
		1	74	20.62	20.68	20.52	22.00
		36	0	19.55	19.31	19.69	21.00
		36	18	19.46	19.39	19.52	21.00
		36	39	19.58	19.44	19.49	21.00
		75	0	19.64	19.40	19.68	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.70	23.73	23.65	25.00
		1	50	23.36	23.59	23.58	25.00
		1	99	23.57	23.37	23.50	25.00
		50	0	22.49	22.55	22.54	24.00



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		50	25	22.46	22.42	22.51	24.00
		50	50	22.31	22.46	22.44	24.00
		100	0	22.44	22.46	22.43	24.00
	16QAM	1	0	22.54	22.34	22.55	24.00
		1	50	22.49	22.41	22.44	24.00
		1	99	22.59	22.49	22.44	24.00
		50	0	21.49	21.49	21.61	23.00
		50	25	21.51	21.45	21.39	23.00
		50	50	21.40	21.56	21.46	23.00
		100	0	21.45	21.39	21.64	23.00
	64QAM	1	0	21.62	21.62	21.39	23.00
		1	50	21.49	21.61	21.69	23.00
		1	99	21.54	21.52	21.44	23.00
		50	0	20.36	20.49	20.44	22.00
		50	25	20.56	20.52	20.62	22.00
		50	50	20.62	20.51	20.59	22.00
		100	0	20.63	20.34	20.51	22.00
	256QAM	1	0	20.51	20.58	20.49	22.00
		1	50	20.48	20.50	20.57	22.00
		1	99	20.62	20.67	20.53	22.00
		50	0	19.44	19.40	19.49	21.00
		50	25	19.53	19.39	19.60	21.00
		50	50	19.44	19.47	19.55	21.00
		100	0	19.62	19.36	19.70	21.00

LTE Band 66 State4 (UL CA & ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	21.29	21.33	21.24	23.00
		1	2	21.31	21.39	21.26	23.00
		1	5	21.40	21.43	21.23	23.00
		3	0	21.29	21.31	21.30	23.00
		3	1	21.29	21.22	21.42	23.00
		3	3	21.22	21.37	21.30	23.00
		6	0	21.42	21.36	21.42	23.00
	16QAM	1	0	21.24	21.41	21.25	23.00
		1	2	21.28	21.23	21.45	23.00
		1	5	21.33	21.42	21.31	23.00
		3	0	21.23	21.30	21.29	23.00
		3	1	21.33	21.40	21.24	23.00
		3	3	21.24	21.39	21.26	23.00
		6	0	21.31	21.39	21.36	23.00
	64QAM	1	0	21.40	21.31	21.26	23.00
		1	2	21.41	21.41	21.37	23.00



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		1	5	21.31	21.42	21.26	23.00
		3	0	21.28	21.24	21.27	23.00
		3	1	21.38	21.37	21.24	23.00
		3	3	21.32	21.29	21.28	23.00
		6	0	20.43	20.37	20.40	22.00
	256QAM	1	0	20.37	20.27	20.36	22.00
		1	2	20.37	20.30	20.32	22.00
		1	5	20.24	20.39	20.34	22.00
		3	0	20.30	20.34	20.25	22.00
		3	1	20.31	20.38	20.44	22.00
		3	3	20.41	20.29	20.24	22.00
		6	0	19.23	19.34	19.38	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	21.59	21.51	21.43	23.00
		1	7	21.38	21.53	21.58	23.00
		1	14	21.59	21.53	21.53	23.00
		8	0	21.40	21.50	21.60	23.00
		8	4	21.41	21.42	21.47	23.00
		8	7	21.40	21.37	21.57	23.00
		15	0	21.45	21.42	21.46	23.00
	16QAM	1	0	21.45	21.31	21.41	23.00
		1	7	21.36	21.45	21.56	23.00
		1	14	21.55	21.51	21.56	23.00
		8	0	21.52	21.62	21.59	23.00
		8	4	21.51	21.63	21.45	23.00
		8	7	21.33	21.54	21.55	23.00
		15	0	21.62	21.49	21.61	23.00
	64QAM	1	0	21.47	21.67	21.47	23.00
		1	7	21.54	21.52	21.56	23.00
		1	14	21.40	21.62	21.61	23.00
		8	0	20.39	20.49	20.60	22.00
		8	4	20.55	20.30	20.47	22.00
		8	7	20.51	20.49	20.44	22.00
		15	0	20.51	20.42	20.55	22.00
	256QAM	1	0	20.60	20.54	20.56	22.00
		1	7	20.46	20.50	20.61	22.00
		1	14	20.47	20.69	20.48	22.00
		8	0	19.47	19.39	19.54	21.00
		8	4	19.33	19.49	19.58	21.00
		8	7	19.47	19.46	19.41	21.00
		15	0	19.53	19.32	19.55	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	21.52	21.63	21.44	23.00



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		1	13	21.47	21.67	21.56	23.00
		1	24	21.48	21.35	21.63	23.00
		12	0	21.50	21.48	21.43	23.00
		12	6	21.47	21.46	21.61	23.00
		12	13	21.48	21.29	21.57	23.00
		25	0	21.47	21.43	21.41	23.00
	16QAM	1	0	21.39	21.39	21.52	23.00
		1	13	21.44	21.42	21.59	23.00
		1	24	21.61	21.65	21.47	23.00
		12	0	21.52	21.49	21.53	23.00
		12	6	21.45	21.45	21.32	23.00
		12	13	21.46	21.46	21.63	23.00
		25	0	21.43	21.43	21.46	23.00
	64QAM	1	0	21.40	21.65	21.47	23.00
		1	13	21.54	21.42	21.62	23.00
		1	24	21.44	21.58	21.60	23.00
		12	0	20.40	20.50	20.47	22.00
		12	6	20.36	20.36	20.46	22.00
		12	13	20.57	20.50	20.40	22.00
		25	0	20.54	20.37	20.59	22.00
	256QAM	1	0	20.60	20.59	20.51	22.00
		1	13	20.48	20.41	20.41	22.00
		1	24	20.65	20.46	20.54	22.00
		12	0	19.58	19.27	19.46	21.00
		12	6	19.39	19.39	19.50	21.00
		12	13	19.40	19.48	19.48	21.00
		25	0	19.60	19.45	19.49	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	21.53	21.66	21.48	23.00
		1	25	21.45	21.51	21.59	23.00
		1	49	21.58	21.36	21.59	23.00
		25	0	21.45	21.45	21.46	23.00
		25	13	21.44	21.53	21.60	23.00
		25	25	21.45	21.37	21.57	23.00
		50	0	21.58	21.39	21.52	23.00
	16QAM	1	0	21.40	21.32	21.53	23.00
		1	25	21.48	21.34	21.50	23.00
		1	49	21.56	21.64	21.46	23.00
		25	0	21.35	21.51	21.54	23.00
		25	13	21.33	21.58	21.44	23.00
		25	25	21.40	21.55	21.60	23.00
		50	0	21.58	21.44	21.58	23.00
	64QAM	1	0	21.59	21.56	21.47	23.00
		1	25	21.50	21.45	21.60	23.00



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		1	49	21.47	21.56	21.55	23.00
		25	0	20.52	20.42	20.58	22.00
		25	13	20.54	20.40	20.54	22.00
		25	25	20.58	20.41	20.39	22.00
		50	0	20.57	20.34	20.43	22.00
	256QAM	1	0	20.55	20.41	20.47	22.00
		1	25	20.58	20.46	20.42	22.00
		1	49	20.45	20.69	20.58	22.00
		25	0	19.50	19.32	19.48	21.00
		25	13	19.38	19.38	19.66	21.00
		25	25	19.59	19.39	19.58	21.00
		50	0	19.60	19.33	19.65	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	21.58	21.68	21.36	23.00
		1	38	21.41	21.47	21.52	23.00
		1	74	21.61	21.37	21.52	23.00
		36	0	21.49	21.39	21.62	23.00
		36	18	21.51	21.37	21.58	23.00
		36	39	21.36	21.36	21.40	23.00
		75	0	21.48	21.47	21.52	23.00
	16QAM	1	0	21.37	21.40	21.38	23.00
		1	38	21.54	21.44	21.49	23.00
		1	74	21.48	21.48	21.51	23.00
		36	0	21.54	21.54	21.61	23.00
		36	18	21.42	21.56	21.54	23.00
		36	39	21.31	21.46	21.61	23.00
		75	0	21.60	21.39	21.48	23.00
	64QAM	1	0	21.53	21.67	21.41	23.00
		1	38	21.61	21.43	21.60	23.00
		1	74	21.44	21.58	21.52	23.00
		36	0	20.42	20.47	20.50	22.00
		36	18	20.52	20.31	20.62	22.00
		36	39	20.62	20.41	20.51	22.00
		75	0	20.71	20.47	20.45	22.00
	256QAM	1	0	20.42	20.51	20.49	22.00
		1	38	20.63	20.38	20.45	22.00
		1	74	20.61	20.68	20.50	22.00
		36	0	19.53	19.31	19.67	21.00
		36	18	19.44	19.38	19.50	21.00
		36	39	19.55	19.42	19.48	21.00
		75	0	19.63	19.39	19.65	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	21.69	21.72	21.63	23.00



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		1	50	21.34	21.58	21.56	23.00
		1	99	21.56	21.37	21.49	23.00
		50	0	21.46	21.52	21.54	23.00
		50	25	21.43	21.41	21.51	23.00
		50	50	21.30	21.45	21.44	23.00
		100	0	21.41	21.46	21.41	23.00
	16QAM	1	0	21.53	21.33	21.54	23.00
		1	50	21.48	21.41	21.42	23.00
		1	99	21.59	21.47	21.44	23.00
		50	0	21.46	21.48	21.58	23.00
		50	25	21.48	21.42	21.36	23.00
		50	50	21.39	21.54	21.46	23.00
		100	0	21.45	21.39	21.64	23.00
	64QAM	1	0	21.62	21.60	21.38	23.00
		1	50	21.48	21.59	21.68	23.00
		1	99	21.53	21.50	21.43	23.00
		50	0	20.33	20.49	20.43	22.00
		50	25	20.56	20.51	20.60	22.00
		50	50	20.60	20.48	20.57	22.00
		100	0	20.62	20.34	20.49	22.00
	256QAM	1	0	20.49	20.56	20.47	22.00
		1	50	20.45	20.50	20.55	22.00
		1	99	20.60	20.67	20.52	22.00
		50	0	19.43	19.39	19.46	21.00
		50	25	19.52	19.37	19.60	21.00
		50	50	19.43	19.46	19.54	21.00
		100	0	19.62	19.34	19.69	21.00



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LTE Band 2 State0				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.35	23.32	23.33	25.00
		1	2	23.42	23.43	23.45	25.00
		1	5	23.38	23.45	23.45	25.00
		3	0	23.35	23.38	23.27	25.00
		3	2	23.26	23.36	23.38	25.00
		3	3	23.36	23.38	23.28	25.00
		6	0	22.38	22.25	22.42	24.00
	16QAM	1	0	22.41	22.38	22.32	24.00
		1	2	22.45	22.37	22.34	24.00
		1	5	22.31	22.41	22.27	24.00
		3	0	22.34	22.42	22.27	24.00
		3	2	22.33	22.36	22.38	24.00
		3	3	22.43	22.26	22.38	24.00
		6	0	21.28	21.36	21.45	23.00
	64QAM	1	0	21.33	21.35	21.41	23.00
		1	2	21.28	21.33	21.38	23.00
		1	5	21.35	21.38	21.34	23.00
		3	0	21.23	21.24	21.42	23.00
		3	2	21.25	21.28	21.39	23.00
		3	3	21.37	21.24	21.23	23.00
		6	0	20.26	20.28	20.29	22.00
	256QAM	1	0	20.27	20.35	20.28	22.00
		1	2	20.27	20.28	20.42	22.00
		1	5	20.37	20.40	20.35	22.00
		3	0	20.36	20.29	20.31	22.00
		3	2	20.41	20.35	20.32	22.00
		3	3	20.34	20.30	20.24	22.00
		6	0	19.38	19.43	19.30	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.44	23.48	23.27	25.00
		1	7	23.24	23.44	23.26	25.00
		1	14	23.31	23.24	23.41	25.00
		8	0	22.27	22.28	22.43	24.00
		8	4	22.26	22.22	22.37	24.00
		8	7	22.31	22.22	22.38	24.00
		15	0	22.41	22.24	22.22	24.00
	16QAM	1	0	22.32	22.31	22.35	24.00
		1	7	22.15	22.36	22.23	24.00
		1	14	22.45	22.36	22.27	24.00



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		8	0	21.29	21.40	21.39	23.00
		8	4	21.26	21.26	21.34	23.00
		8	7	21.14	21.28	21.28	23.00
		15	0	21.26	21.20	21.40	23.00
	64QAM	1	0	21.27	21.28	21.28	23.00
		1	7	21.37	21.33	21.42	23.00
		1	14	21.28	21.37	21.45	23.00
		8	0	20.16	20.29	20.27	22.00
		8	4	20.32	20.21	20.29	22.00
		8	7	20.27	20.33	20.33	22.00
		15	0	20.35	20.26	20.37	22.00
	256QAM	1	0	20.35	20.32	20.40	22.00
		1	7	20.31	20.23	20.23	22.00
		1	14	20.41	20.35	20.21	22.00
		8	0	19.35	19.28	19.28	21.00
		8	4	19.35	19.20	19.38	21.00
		8	7	19.20	19.17	19.37	21.00
		15	0	19.38	19.33	19.45	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.31	23.45	23.31	25.00
		1	13	23.17	23.33	23.23	25.00
		1	24	23.43	23.36	23.36	25.00
		12	0	22.29	22.38	22.31	24.00
		12	6	22.35	22.33	22.33	24.00
		12	13	22.21	22.19	22.28	24.00
		25	0	22.25	22.18	22.17	24.00
	16QAM	1	0	22.26	22.23	22.32	24.00
		1	13	22.23	22.36	22.43	24.00
		1	24	22.46	22.27	22.39	24.00
		12	0	21.29	21.45	21.35	23.00
		12	6	21.20	21.39	21.31	23.00
		12	13	21.32	21.30	21.37	23.00
		25	0	21.39	21.29	21.28	23.00
	64QAM	1	0	21.42	21.32	21.22	23.00
		1	13	21.37	21.25	21.38	23.00
		1	24	21.39	21.45	21.40	23.00
		12	0	20.16	20.24	20.36	22.00
		12	6	20.20	20.23	20.34	22.00
		12	13	20.25	20.32	20.36	22.00
		25	0	20.29	20.33	20.38	22.00
	256QAM	1	0	20.32	20.21	20.36	22.00
		1	13	20.34	20.20	20.40	22.00
		1	24	20.49	20.35	20.21	22.00
		12	0	19.27	19.13	19.38	21.00



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		12	6	19.18	19.22	19.52	21.00
		12	13	19.32	19.26	19.41	21.00
		25	0	19.34	19.27	19.45	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.43	23.48	23.42	25.00
		1	25	23.34	23.41	23.34	25.00
		1	49	23.29	23.21	23.32	25.00
		25	0	22.22	22.38	22.32	24.00
		25	13	22.20	22.28	22.27	24.00
		25	25	22.15	22.27	22.21	24.00
		50	0	22.32	22.33	22.16	24.00
	16QAM	1	0	22.34	22.22	22.22	24.00
		1	25	22.25	22.21	22.42	24.00
		1	49	22.35	22.45	22.36	24.00
		25	0	21.13	21.39	21.41	23.00
		25	13	21.31	21.24	21.21	23.00
		25	25	21.30	21.31	21.38	23.00
		50	0	21.35	21.29	21.40	23.00
	64QAM	1	0	21.23	21.37	21.33	23.00
		1	25	21.32	21.31	21.30	23.00
		1	49	21.30	21.45	21.40	23.00
		25	0	20.20	20.31	20.32	22.00
		25	13	20.31	20.32	20.33	22.00
		25	25	20.38	20.33	20.26	22.00
		50	0	20.44	20.23	20.35	22.00
	256QAM	1	0	20.32	20.27	20.38	22.00
		1	25	20.38	20.31	20.40	22.00
		1	49	20.47	20.30	20.29	22.00
		25	0	19.33	19.14	19.38	21.00
		25	13	19.24	19.22	19.46	21.00
		25	25	19.33	19.23	19.30	21.00
		50	0	19.31	19.32	19.40	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.30	23.47	23.30	25.00
		1	38	23.22	23.49	23.32	25.00
		1	74	23.45	23.34	23.31	25.00
		36	0	22.32	22.29	22.29	24.00
		36	18	22.37	22.36	22.23	24.00
		36	39	22.23	22.11	22.33	24.00
		75	0	22.45	22.26	22.33	24.00
	16QAM	1	0	22.32	22.32	22.27	24.00
		1	38	22.25	22.23	22.39	24.00
		1	74	22.48	22.45	22.29	24.00



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		36	0	21.14	21.44	21.26	23.00
		36	18	21.20	21.27	21.35	23.00
		36	39	21.23	21.32	21.36	23.00
		75	0	21.43	21.17	21.43	23.00
	64QAM	1	0	21.34	21.37	21.32	23.00
		1	38	21.41	21.43	21.40	23.00
		1	74	21.28	21.32	21.32	23.00
		36	0	20.18	20.23	20.42	22.00
		36	18	20.36	20.16	20.49	22.00
		36	39	20.30	20.37	20.36	22.00
		75	0	20.37	20.30	20.39	22.00
	256QAM	1	0	20.30	20.32	20.37	22.00
		1	38	20.32	20.18	20.35	22.00
		1	74	20.31	20.36	20.30	22.00
		36	0	19.25	19.14	19.38	21.00
		36	18	19.21	19.29	19.44	21.00
		36	39	19.32	19.29	19.36	21.00
		75	0	19.50	19.21	19.37	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.40	23.58	23.53	25.00
		1	50	23.26	23.45	23.40	25.00
		1	99	23.31	23.32	23.51	25.00
		50	0	22.39	22.41	22.38	24.00
		50	25	22.36	22.40	22.23	24.00
		50	50	22.19	22.15	22.27	24.00
		100	0	22.24	22.32	22.18	24.00
	16QAM	1	0	22.18	22.27	22.23	24.00
		1	50	22.22	22.30	22.42	24.00
		1	99	22.32	22.45	22.24	24.00
		50	0	21.33	21.31	21.42	23.00
		50	25	21.31	21.29	21.31	23.00
		50	50	21.30	21.28	21.27	23.00
		100	0	21.43	21.31	21.31	23.00
	64QAM	1	0	21.38	21.32	21.35	23.00
		1	50	21.47	21.41	21.47	23.00
		1	99	21.28	21.37	21.24	23.00
		50	0	20.33	20.29	20.33	22.00
		50	25	20.36	20.25	20.31	22.00
		50	50	20.34	20.37	20.35	22.00
		100	0	20.42	20.31	20.37	22.00
	256QAM	1	0	20.34	20.29	20.39	22.00
		1	50	20.39	20.14	20.24	22.00
		1	99	20.44	20.39	20.19	22.00
		50	0	19.36	19.21	19.40	21.00



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		50	25	19.17	19.20	19.43	21.00
		50	50	19.33	19.32	19.22	21.00
		100	0	19.36	19.16	19.51	21.00

LTE Band 2 State3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	17.82	17.81	17.77	19.50
		1	2	17.89	17.88	17.91	19.50
		1	5	17.87	17.90	17.89	19.50
		3	0	17.80	17.83	17.75	19.50
		3	2	17.75	17.82	17.87	19.50
		3	3	17.80	17.86	17.73	19.50
		6	0	17.84	17.71	17.88	19.50
	16QAM	1	0	17.86	17.83	17.80	19.50
		1	2	17.92	17.85	17.82	19.50
		1	5	17.76	17.89	17.72	19.50
		3	0	17.80	17.86	17.73	19.50
		3	2	17.80	17.84	17.86	19.50
		3	3	17.89	17.72	17.85	19.50
		6	0	17.76	17.84	17.91	19.50
	64QAM	1	0	17.81	17.84	17.88	19.50
		1	2	17.76	17.80	17.84	19.50
		1	5	17.82	17.86	17.81	19.50
		3	0	17.71	17.68	17.88	19.50
		3	2	17.70	17.74	17.86	19.50
		3	3	17.81	17.70	17.68	19.50
		6	0	17.73	17.74	17.73	19.50
	256QAM	1	0	17.74	17.83	17.73	19.50
		1	2	17.74	17.74	17.87	19.50
		1	5	17.82	17.85	17.79	19.50
		3	0	17.81	17.74	17.75	19.50
		3	2	17.86	17.81	17.80	19.50
		3	3	17.80	17.76	17.69	19.50
		6	0	17.83	17.91	17.76	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	17.90	17.95	17.72	19.50
		1	7	17.70	17.92	17.74	19.50
		1	14	17.77	17.68	17.88	19.50
		8	0	17.73	17.77	17.88	19.50
		8	4	17.70	17.66	17.85	19.50
		8	7	17.79	17.68	17.82	19.50
		15	0	17.88	17.69	17.67	19.50



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	16QAM	1	0	17.79	17.77	17.79	19.50
		1	7	17.62	17.80	17.71	19.50
		1	14	17.90	17.82	17.74	19.50
		8	0	17.76	17.89	17.83	19.50
		8	4	17.71	17.74	17.82	19.50
		8	7	17.60	17.73	17.76	19.50
		15	0	17.70	17.65	17.88	19.50
	64QAM	1	0	17.71	17.73	17.72	19.50
		1	7	17.81	17.81	17.90	19.50
		1	14	17.75	17.81	17.93	19.50
		8	0	17.61	17.74	17.76	19.50
		8	4	17.79	17.67	17.77	19.50
		8	7	17.72	17.78	17.80	19.50
		15	0	17.80	17.74	17.83	19.50
	256QAM	1	0	17.84	17.76	17.84	19.50
		1	7	17.78	17.68	17.72	19.50
		1	14	17.86	17.82	17.66	19.50
		8	0	17.80	17.77	17.76	19.50
		8	4	17.83	17.64	17.82	19.50
		8	7	17.68	17.62	17.82	19.50
		15	0	17.86	17.81	17.89	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	17.78	17.89	17.80	19.50
		1	13	17.62	17.81	17.71	19.50
		1	24	17.90	17.84	17.84	19.50
		12	0	17.77	17.86	17.75	19.50
		12	6	17.84	17.82	17.82	19.50
		12	13	17.67	17.65	17.73	19.50
		25	0	17.72	17.65	17.61	19.50
	16QAM	1	0	17.74	17.71	17.77	19.50
		1	13	17.72	17.84	17.88	19.50
		1	24	17.93	17.74	17.84	19.50
		12	0	17.78	17.91	17.83	19.50
		12	6	17.66	17.85	17.75	19.50
		12	13	17.79	17.76	17.84	19.50
		25	0	17.84	17.75	17.73	19.50
	64QAM	1	0	17.88	17.79	17.70	19.50
		1	13	17.83	17.71	17.85	19.50
		1	24	17.85	17.91	17.87	19.50
		12	0	17.61	17.71	17.83	19.50
		12	6	17.65	17.69	17.83	19.50
		12	13	17.71	17.76	17.84	19.50
		25	0	17.75	17.78	17.82	19.50
	256QAM	1	0	17.79	17.66	17.82	19.50



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		1	13	17.79	17.66	17.88	19.50
		1	24	17.95	17.83	17.66	19.50
		12	0	17.72	17.59	17.86	19.50
		12	6	17.64	17.68	18.00	19.50
		12	13	17.79	17.70	17.89	19.50
		25	0	17.78	17.73	17.92	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	17.89	17.93	17.90	19.50
		1	25	17.80	17.88	17.80	19.50
		1	49	17.73	17.65	17.79	19.50
		25	0	17.69	17.84	17.79	19.50
		25	13	17.68	17.76	17.71	19.50
		25	25	17.64	17.72	17.67	19.50
		50	0	17.78	17.80	17.62	19.50
	16QAM	1	0	17.81	17.69	17.69	19.50
		1	25	17.70	17.66	17.86	19.50
		1	49	17.80	17.93	17.83	19.50
		25	0	17.62	17.87	17.86	19.50
		25	13	17.80	17.73	17.70	19.50
		25	25	17.77	17.76	17.86	19.50
		50	0	17.83	17.75	17.85	19.50
	64QAM	1	0	17.68	17.83	17.79	19.50
		1	25	17.79	17.79	17.74	19.50
		1	49	17.76	17.93	17.87	19.50
		25	0	17.67	17.79	17.79	19.50
		25	13	17.78	17.78	17.80	19.50
		25	25	17.86	17.79	17.75	19.50
		50	0	17.92	17.69	17.84	19.50
	256QAM	1	0	17.80	17.72	17.86	19.50
		1	25	17.87	17.78	17.84	19.50
		1	49	17.92	17.74	17.75	19.50
		25	0	17.78	17.62	17.83	19.50
		25	13	17.71	17.67	17.91	19.50
		25	25	17.78	17.71	17.76	19.50
		50	0	17.76	17.78	17.84	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	17.77	17.94	17.74	19.50
		1	38	17.70	17.94	17.80	19.50
		1	74	17.91	17.78	17.79	19.50
		36	0	17.80	17.76	17.74	19.50
		36	18	17.84	17.80	17.71	19.50
		36	39	17.68	17.57	17.78	19.50
		75	0	17.91	17.70	17.81	19.50



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	16QAM	1	0	17.78	17.80	17.72	19.50
		1	38	17.72	17.70	17.85	19.50
		1	74	17.97	17.89	17.74	19.50
		36	0	17.61	17.92	17.72	19.50
		36	18	17.69	17.73	17.80	19.50
		36	39	17.72	17.80	17.81	19.50
		75	0	17.89	17.61	17.88	19.50
	64QAM	1	0	17.81	17.84	17.76	19.50
		1	38	17.87	17.89	17.89	19.50
		1	74	17.73	17.80	17.77	19.50
		36	0	17.67	17.71	17.88	19.50
		36	18	17.83	17.64	17.96	19.50
		36	39	17.76	17.81	17.81	19.50
		75	0	17.85	17.78	17.84	19.50
	256QAM	1	0	17.75	17.77	17.84	19.50
		1	38	17.78	17.65	17.82	19.50
		1	74	17.78	17.84	17.79	19.50
		36	0	17.71	17.62	17.85	19.50
		36	18	17.69	17.75	17.93	19.50
		36	39	17.78	17.75	17.83	19.50
		75	0	17.94	17.65	17.83	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	17.84	18.05	17.97	19.50
		1	50	17.73	17.91	17.88	19.50
		1	99	17.75	17.76	17.93	19.50
		50	0	17.84	17.89	17.85	19.50
		50	25	17.82	17.86	17.71	19.50
		50	50	17.64	17.60	17.72	19.50
		100	0	17.72	17.79	17.65	19.50
	16QAM	1	0	17.65	17.75	17.68	19.50
		1	50	17.68	17.76	17.90	19.50
		1	99	17.79	17.89	17.71	19.50
		50	0	17.79	17.78	17.90	19.50
		50	25	17.76	17.73	17.80	19.50
		50	50	17.78	17.77	17.71	19.50
		100	0	17.91	17.80	17.77	19.50
	64QAM	1	0	17.83	17.78	17.82	19.50
		1	50	17.93	17.89	17.94	19.50
		1	99	17.74	17.86	17.69	19.50
		50	0	17.78	17.76	17.79	19.50
		50	25	17.84	17.74	17.80	19.50
		50	50	17.82	17.81	17.84	19.50
		100	0	17.88	17.75	17.82	19.50
	256QAM	1	0	17.80	17.74	17.84	19.50



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		1	50	17.86	17.62	17.69	19.50
		1	99	17.92	17.86	17.67	19.50
		50	0	17.81	17.66	17.89	19.50
		50	25	17.65	17.64	17.92	19.50
		50	50	17.82	17.78	17.69	19.50
		100	0	17.81	17.65	17.97	19.50

LTE Band 2 State1&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	21.29	21.28	21.32	23.00
		1	2	21.38	21.37	21.41	23.00
		1	5	21.34	21.41	21.43	23.00
		3	0	21.31	21.32	21.25	23.00
		3	2	21.21	21.31	21.35	23.00
		3	3	21.32	21.32	21.24	23.00
		6	0	21.32	21.21	21.40	23.00
	16QAM	1	0	21.37	21.36	21.26	23.00
		1	2	21.41	21.33	21.29	23.00
		1	5	21.27	21.36	21.25	23.00
		3	0	21.29	21.40	21.22	23.00
		3	2	21.29	21.33	21.32	23.00
		3	3	21.40	21.20	21.35	23.00
		6	0	21.26	21.30	21.41	23.00
	64QAM	1	0	21.30	21.29	21.37	23.00
		1	2	21.25	21.27	21.37	23.00
		1	5	21.31	21.34	21.31	23.00
		3	0	21.19	21.18	21.37	23.00
		3	2	21.21	21.25	21.34	23.00
		3	3	21.32	21.18	21.22	23.00
		6	0	20.22	20.25	20.23	22.00
	256QAM	1	0	20.25	20.34	20.24	22.00
		1	2	20.21	20.23	20.41	22.00
		1	5	20.33	20.39	20.33	22.00
		3	0	20.34	20.27	20.30	22.00
		3	2	20.40	20.34	20.30	22.00
		3	3	20.33	20.25	20.21	22.00
		6	0	19.35	19.42	19.28	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	21.42	21.43	21.22	23.00
		1	7	21.21	21.41	21.23	23.00
		1	14	21.26	21.21	21.39	23.00
		8	0	21.23	21.26	21.38	23.00



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		8	4	21.21	21.21	21.33	23.00
		8	7	21.29	21.20	21.36	23.00
		15	0	21.39	21.22	21.21	23.00
	16QAM	1	0	21.28	21.30	21.33	23.00
		1	7	21.11	21.33	21.18	23.00
		1	14	21.43	21.32	21.24	23.00
		8	0	21.28	21.38	21.35	23.00
		8	4	21.21	21.22	21.30	23.00
		8	7	21.13	21.25	21.24	23.00
		15	0	21.21	21.19	21.34	23.00
	64QAM	1	0	21.25	21.26	21.23	23.00
		1	7	21.33	21.27	21.39	23.00
		1	14	21.26	21.32	21.41	23.00
		8	0	20.11	20.24	20.26	22.00
		8	4	20.31	20.16	20.23	22.00
		8	7	20.21	20.28	20.28	22.00
		15	0	20.31	20.25	20.32	22.00
	256QAM	1	0	20.29	20.30	20.36	22.00
		1	7	20.26	20.20	20.21	22.00
		1	14	20.40	20.30	20.19	22.00
		8	0	19.33	19.24	19.26	21.00
		8	4	19.34	19.14	19.34	21.00
		8	7	19.16	19.14	19.32	21.00
		15	0	19.34	19.30	19.43	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	21.26	21.40	21.25	23.00
		1	13	21.13	21.28	21.20	23.00
		1	24	21.40	21.33	21.31	23.00
		12	0	21.26	21.32	21.28	23.00
		12	6	21.32	21.27	21.29	23.00
		12	13	21.19	21.17	21.25	23.00
		25	0	21.20	21.13	21.16	23.00
	16QAM	1	0	21.23	21.17	21.28	23.00
		1	13	21.21	21.32	21.39	23.00
		1	24	21.41	21.24	21.37	23.00
		12	0	21.23	21.41	21.29	23.00
		12	6	21.18	21.38	21.28	23.00
		12	13	21.29	21.25	21.32	23.00
		25	0	21.34	21.26	21.26	23.00
	64QAM	1	0	21.39	21.31	21.16	23.00
		1	13	21.33	21.21	21.32	23.00
		1	24	21.38	21.41	21.35	23.00
		12	0	20.10	20.22	20.35	22.00
		12	6	20.18	20.19	20.29	22.00



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		12	13	20.23	20.31	20.33	22.00
		25	0	20.24	20.30	20.36	22.00
	256QAM	1	0	20.30	20.17	20.31	22.00
		1	13	20.29	20.18	20.34	22.00
		1	24	20.44	20.34	20.16	22.00
		12	0	19.25	19.08	19.35	21.00
		12	6	19.14	19.18	19.48	21.00
		12	13	19.27	19.24	19.38	21.00
		25	0	19.29	19.25	19.42	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	21.40	21.45	21.36	23.00
		1	25	21.28	21.36	21.30	23.00
		1	49	21.27	21.19	21.27	23.00
		25	0	21.18	21.34	21.29	23.00
		25	13	21.17	21.25	21.25	23.00
		25	25	21.10	21.21	21.19	23.00
		50	0	21.29	21.31	21.11	23.00
	16QAM	1	0	21.29	21.16	21.20	23.00
		1	25	21.23	21.16	21.38	23.00
		1	49	21.32	21.43	21.35	23.00
		25	0	21.12	21.36	21.36	23.00
		25	13	21.30	21.22	21.19	23.00
		25	25	21.29	21.29	21.35	23.00
		50	0	21.30	21.25	21.37	23.00
	64QAM	1	0	21.19	21.35	21.29	23.00
		1	25	21.29	21.27	21.26	23.00
		1	49	21.26	21.40	21.37	23.00
		25	0	20.14	20.28	20.26	22.00
		25	13	20.29	20.26	20.29	22.00
		25	25	20.37	20.27	20.23	22.00
		50	0	20.42	20.18	20.33	22.00
	256QAM	1	0	20.28	20.23	20.33	22.00
		1	25	20.34	20.26	20.39	22.00
		1	49	20.44	20.29	20.23	22.00
		25	0	19.31	19.10	19.33	21.00
		25	13	19.19	19.18	19.41	21.00
		25	25	19.28	19.19	19.27	21.00
		50	0	19.28	19.29	19.36	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	21.29	21.42	21.25	23.00
		1	38	21.17	21.48	21.26	23.00
		1	74	21.42	21.29	21.30	23.00
		36	0	21.28	21.26	21.26	23.00



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		36	18	21.31	21.32	21.22	23.00
		36	39	21.22	21.09	21.30	23.00
		75	0	21.44	21.21	21.28	23.00
	16QAM	1	0	21.27	21.29	21.25	23.00
		1	38	21.22	21.18	21.36	23.00
		1	74	21.43	21.43	21.24	23.00
		36	0	21.08	21.42	21.20	23.00
		36	18	21.16	21.23	21.33	23.00
		36	39	21.19	21.30	21.34	23.00
		75	0	21.40	21.16	21.38	23.00
	64QAM	1	0	21.32	21.34	21.28	23.00
		1	38	21.39	21.41	21.34	23.00
		1	74	21.26	21.28	21.27	23.00
		36	0	20.15	20.20	20.38	22.00
		36	18	20.35	20.12	20.44	22.00
		36	39	20.26	20.33	20.32	22.00
		75	0	20.32	20.26	20.37	22.00
	256QAM	1	0	20.27	20.27	20.31	22.00
		1	38	20.29	20.15	20.29	22.00
		1	74	20.30	20.32	20.25	22.00
		36	0	19.23	19.09	19.33	21.00
		36	18	19.15	19.26	19.42	21.00
		36	39	19.31	19.27	19.31	21.00
		75	0	19.46	19.19	19.34	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	21.34	21.54	21.47	23.00
		1	50	21.25	21.42	21.35	23.00
		1	99	21.29	21.26	21.43	23.00
		50	0	21.34	21.36	21.34	23.00
		50	25	21.31	21.33	21.20	23.00
		50	50	21.13	21.13	21.23	23.00
		100	0	21.21	21.29	21.14	23.00
	16QAM	1	0	21.14	21.24	21.21	23.00
		1	50	21.21	21.27	21.40	23.00
		1	99	21.27	21.40	21.20	23.00
		50	0	21.32	21.25	21.39	23.00
		50	25	21.29	21.28	21.26	23.00
		50	50	21.24	21.23	21.23	23.00
		100	0	21.41	21.28	21.29	23.00
	64QAM	1	0	21.33	21.28	21.31	23.00
		1	50	21.45	21.36	21.45	23.00
		1	99	21.22	21.36	21.21	23.00
		50	0	20.28	20.26	20.28	22.00
		50	25	20.30	20.22	20.29	22.00



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		50	50	20.32	20.34	20.32	22.00
		100	0	20.40	20.25	20.31	22.00
	256QAM	1	0	20.30	20.26	20.37	22.00
		1	50	20.33	20.10	20.21	22.00
		1	99	20.38	20.36	20.18	22.00
		50	0	19.34	19.19	19.37	21.00
		50	25	19.12	19.16	19.41	21.00
		50	50	19.29	19.29	19.19	21.00
		100	0	19.33	19.13	19.45	21.00

LTE Band 2 State3 (UL CA & ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	15.35	15.28	15.31	17.00
		1	2	15.48	15.41	15.43	17.00
		1	5	15.39	15.57	15.43	17.00
		3	0	15.36	15.33	15.25	17.00
		3	2	15.36	15.42	15.44	17.00
		3	3	15.27	15.47	15.25	17.00
		6	0	15.35	15.34	15.52	17.00
	16QAM	1	0	15.55	15.52	15.33	17.00
		1	2	15.49	15.54	15.41	17.00
		1	5	15.29	15.56	15.23	17.00
		3	0	15.43	15.38	15.35	17.00
		3	2	15.28	15.44	15.39	17.00
		3	3	15.54	15.22	15.44	17.00
		6	0	15.24	15.34	15.42	17.00
	64QAM	1	0	15.38	15.39	15.46	17.00
		1	2	15.42	15.40	15.32	17.00
		1	5	15.37	15.47	15.30	17.00
		3	0	15.23	15.29	15.56	17.00
		3	2	15.21	15.34	15.51	17.00
		3	3	15.35	15.35	15.34	17.00
		6	0	15.26	15.42	15.36	17.00
	256QAM	1	0	15.39	15.50	15.29	17.00
		1	2	15.33	15.23	15.47	17.00
		1	5	15.46	15.36	15.46	17.00
		3	0	15.36	15.37	15.33	17.00
		3	2	15.45	15.36	15.41	17.00
		3	3	15.30	15.26	15.28	17.00
		6	0	15.34	15.50	15.42	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	18615	18900	19185	17.00
				15.46	15.47	15.20	



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		1	7	15.22	15.53	15.34	17.00
		1	14	15.40	15.31	15.43	17.00
		8	0	15.34	15.31	15.55	17.00
		8	4	15.30	15.32	15.41	17.00
		8	7	15.30	15.32	15.45	17.00
		15	0	15.44	15.35	15.23	17.00
	16QAM	1	0	15.42	15.42	15.31	17.00
		1	7	15.16	15.34	15.36	17.00
		1	14	15.58	15.48	15.31	17.00
		8	0	15.42	15.43	15.52	17.00
		8	4	15.34	15.38	15.35	17.00
		8	7	15.23	15.33	15.23	17.00
		15	0	15.26	15.24	15.43	17.00
	64QAM	1	0	15.30	15.33	15.38	17.00
		1	7	15.49	15.45	15.50	17.00
		1	14	15.35	15.44	15.42	17.00
		8	0	15.22	15.34	15.27	17.00
		8	4	15.30	15.35	15.46	17.00
		8	7	15.24	15.33	15.36	17.00
		15	0	15.41	15.30	15.44	17.00
	256QAM	1	0	15.35	15.27	15.45	17.00
		1	7	15.27	15.32	15.31	17.00
		1	14	15.33	15.44	15.26	17.00
		8	0	15.46	15.28	15.35	17.00
		8	4	15.44	15.19	15.38	17.00
		8	7	15.31	15.22	15.45	17.00
		15	0	15.44	15.38	15.39	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	15.32	15.43	15.38	17.00
		1	13	15.26	15.30	15.28	17.00
		1	24	15.41	15.37	15.37	17.00
		12	0	15.26	15.50	15.38	17.00
		12	6	15.42	15.51	15.29	17.00
		12	13	15.35	15.26	15.40	17.00
		25	0	15.37	15.28	15.30	17.00
	16QAM	1	0	15.37	15.20	15.40	17.00
		1	13	15.20	15.48	15.49	17.00
		1	24	15.58	15.27	15.48	17.00
		12	0	15.43	15.44	15.39	17.00
		12	6	15.20	15.39	15.23	17.00
		12	13	15.37	15.43	15.49	17.00
		25	0	15.53	15.30	15.26	17.00
	64QAM	1	0	15.39	15.37	15.20	17.00
		1	13	15.39	15.28	15.49	17.00



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		1	24	15.39	15.58	15.46	17.00
		12	0	15.09	15.25	15.31	17.00
		12	6	15.14	15.17	15.33	17.00
		12	13	15.40	15.38	15.50	17.00
		25	0	15.29	15.35	15.33	17.00
	256QAM	1	0	15.32	15.35	15.41	17.00
		1	13	15.39	15.13	15.36	17.00
		1	24	15.62	15.35	15.15	17.00
		12	0	15.36	15.13	15.42	17.00
		12	6	15.17	15.17	15.61	17.00
		12	13	15.41	15.21	15.57	17.00
		25	0	15.34	15.25	15.49	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	15.37	15.45	15.55	17.00
		1	25	15.47	15.57	15.38	17.00
		1	49	15.24	15.15	15.35	17.00
		25	0	15.19	15.37	15.27	17.00
		25	13	15.34	15.23	15.20	17.00
		25	25	15.25	15.20	15.28	17.00
		50	0	15.28	15.34	15.30	17.00
	16QAM	1	0	15.40	15.19	15.22	17.00
		1	25	15.39	15.32	15.48	17.00
		1	49	15.37	15.60	15.48	17.00
		25	0	15.16	15.38	15.43	17.00
		25	13	15.31	15.27	15.17	17.00
		25	25	15.24	15.29	15.49	17.00
		50	0	15.42	15.27	15.40	17.00
	64QAM	1	0	15.34	15.30	15.26	17.00
		1	25	15.46	15.43	15.39	17.00
		1	49	15.42	15.59	15.37	17.00
		25	0	15.30	15.27	15.38	17.00
		25	13	15.28	15.34	15.32	17.00
		25	25	15.38	15.39	15.26	17.00
		50	0	15.52	15.20	15.50	17.00
	256QAM	1	0	15.30	15.25	15.47	17.00
		1	25	15.41	15.26	15.32	17.00
		1	49	15.59	15.37	15.26	17.00
		25	0	15.43	15.29	15.39	17.00
		25	13	15.25	15.20	15.60	17.00
		25	25	15.28	15.38	15.37	17.00
		50	0	15.44	15.26	15.33	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	15.40	15.55	15.43	17.00



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		1	38	15.38	15.52	15.44	17.00
		1	74	15.50	15.47	15.44	17.00
		36	0	15.27	15.29	15.37	17.00
		36	18	15.47	15.33	15.24	17.00
		36	39	15.30	15.25	15.44	17.00
		75	0	15.39	15.17	15.44	17.00
	16QAM	1	0	15.41	15.39	15.25	17.00
		1	38	15.40	15.30	15.34	17.00
		1	74	15.53	15.58	15.22	17.00
		36	0	15.09	15.51	15.38	17.00
		36	18	15.32	15.30	15.41	17.00
		36	39	15.35	15.30	15.46	17.00
		75	0	15.53	15.08	15.54	17.00
	64QAM	1	0	15.33	15.32	15.42	17.00
		1	38	15.49	15.37	15.48	17.00
		1	74	15.36	15.43	15.32	17.00
		36	0	15.32	15.23	15.39	17.00
		36	18	15.35	15.24	15.55	17.00
		36	39	15.28	15.49	15.38	17.00
		75	0	15.49	15.40	15.53	17.00
	256QAM	1	0	15.36	15.29	15.48	17.00
		1	38	15.27	15.18	15.41	17.00
		1	74	15.31	15.48	15.41	17.00
		36	0	15.30	15.25	15.46	17.00
		36	18	15.30	15.38	15.58	17.00
		36	39	15.29	15.34	15.40	17.00
		75	0	15.46	15.13	15.33	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	15.43	15.64	15.65	17.00
		1	50	15.23	15.45	15.40	17.00
		1	99	15.30	15.25	15.61	17.00
		50	0	15.41	15.52	15.51	17.00
		50	25	15.38	15.42	15.26	17.00
		50	50	15.14	15.10	15.23	17.00
		100	0	15.30	15.40	15.24	17.00
	16QAM	1	0	15.15	15.34	15.15	17.00
		1	50	15.32	15.23	15.55	17.00
		1	99	15.30	15.58	15.36	17.00
		50	0	15.30	15.36	15.54	17.00
		50	25	15.40	15.42	15.46	17.00
		50	50	15.41	15.40	15.22	17.00
		100	0	15.49	15.30	15.42	17.00
	64QAM	1	0	15.48	15.40	15.51	17.00
		1	50	15.42	15.52	15.42	17.00



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		1	99	15.23	15.52	15.21	17.00
		50	0	15.36	15.38	15.42	17.00
		50	25	15.48	15.23	15.44	17.00
		50	50	15.49	15.48	15.37	17.00
		100	0	15.38	15.33	15.33	17.00
	256QAM	1	0	15.33	15.26	15.42	17.00
		1	50	15.33	15.10	15.30	17.00
		1	99	15.41	15.54	15.28	17.00
		50	0	15.33	15.17	15.41	17.00
		50	25	15.21	15.15	15.57	17.00
		50	50	15.29	15.45	15.18	17.00
		100	0	15.37	15.26	15.52	17.00

LTE Band 4 State0&1&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.57	23.61	23.53	25.00
		1	2	23.72	23.72	23.74	25.00
		1	5	23.64	23.74	23.60	25.00
		3	0	23.71	23.60	23.75	25.00
		3	2	23.59	23.68	23.57	25.00
		3	3	23.70	23.57	23.65	25.00
		6	0	22.57	22.60	22.57	24.00
	16QAM	1	0	22.74	22.70	22.54	24.00
		1	2	22.60	22.74	22.66	24.00
		1	5	22.67	22.53	22.58	24.00
		3	0	22.65	22.63	22.58	24.00
		3	2	22.72	22.60	22.56	24.00
		3	3	22.64	22.60	22.67	24.00
		6	0	21.74	21.60	21.58	23.00
	64QAM	1	0	21.71	21.59	21.68	23.00
		1	2	21.55	21.66	21.73	23.00
		1	5	21.64	21.63	21.55	23.00
		3	0	21.64	21.65	21.74	23.00
		3	2	21.69	21.65	21.55	23.00
		3	3	21.63	21.65	21.56	23.00
		6	0	20.53	20.55	20.57	22.00
	256QAM	1	0	20.55	20.56	20.74	22.00
		1	2	20.65	20.54	20.58	22.00
		1	5	20.58	20.62	20.66	22.00
		3	0	20.59	20.69	20.64	22.00
		3	2	20.63	20.63	20.70	22.00
		3	3	20.69	20.61	20.72	22.00
		6	0	19.74	19.69	19.55	21.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	23.73	23.86	23.64	25.00
		1	7	23.69	23.73	23.69	25.00
		1	14	23.73	23.71	23.70	25.00
		8	0	22.59	22.74	22.69	24.00
		8	4	22.56	22.67	22.76	24.00
		8	7	22.57	22.63	22.64	24.00
		15	0	22.63	22.57	22.59	24.00
	16QAM	1	0	22.72	22.55	22.65	24.00
		1	7	22.65	22.69	22.78	24.00
		1	14	22.74	22.69	22.72	24.00
		8	0	21.70	21.83	21.81	23.00
		8	4	21.59	21.68	21.56	23.00
		8	7	21.72	21.61	21.80	23.00
		15	0	21.81	21.68	21.73	23.00
	64QAM	1	0	21.75	21.83	21.64	23.00
		1	7	21.76	21.62	21.85	23.00
		1	14	21.55	21.77	21.78	23.00
		8	0	20.62	20.58	20.79	22.00
		8	4	20.66	20.56	20.70	22.00
		8	7	20.61	20.77	20.72	22.00
		15	0	20.66	20.53	20.65	22.00
	256QAM	1	0	20.63	20.67	20.76	22.00
		1	7	20.70	20.53	20.80	22.00
		1	14	20.82	20.87	20.72	22.00
		8	0	19.77	19.53	19.76	21.00
		8	4	19.69	19.65	19.77	21.00
		8	7	19.70	19.51	19.75	21.00
		15	0	19.72	19.65	19.74	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	23.77	23.77	23.55	25.00
		1	13	23.58	23.79	23.79	25.00
		1	24	23.86	23.65	23.83	25.00
		12	0	22.69	22.67	22.64	24.00
		12	6	22.65	22.58	22.73	24.00
		12	13	22.54	22.52	22.59	24.00
		25	0	22.69	22.73	22.58	24.00
	16QAM	1	0	22.66	22.55	22.75	24.00
		1	13	22.56	22.67	22.70	24.00
		1	24	22.78	22.77	22.67	24.00
		12	0	21.60	21.85	21.71	23.00
		12	6	21.54	21.79	21.70	23.00
		12	13	21.68	21.77	21.78	23.00



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	64QAM	25	0	21.76	21.65	21.76	23.00
		1	0	21.66	21.84	21.54	23.00
		1	13	21.70	21.74	21.86	23.00
		1	24	21.58	21.66	21.70	23.00
		12	0	20.62	20.56	20.78	22.00
		12	6	20.64	20.67	20.65	22.00
		12	13	20.67	20.69	20.67	22.00
		25	0	20.84	20.52	20.74	22.00
	256QAM	1	0	20.67	20.76	20.64	22.00
		1	13	20.75	20.60	20.67	22.00
		1	24	20.76	20.79	20.66	22.00
		12	0	19.60	19.53	19.77	21.00
		12	6	19.64	19.51	19.80	21.00
		12	13	19.58	19.50	19.79	21.00
		25	0	19.76	19.67	19.70	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	23.70	23.80	23.50	25.00
		1	25	23.73	23.89	23.61	25.00
		1	49	23.77	23.73	23.71	25.00
		25	0	22.77	22.58	22.63	24.00
		25	13	22.67	22.64	22.81	24.00
		25	25	22.59	22.64	22.64	24.00
		50	0	22.78	22.63	22.56	24.00
	16QAM	1	0	22.52	22.51	22.72	24.00
		1	25	22.54	22.62	22.73	24.00
		1	49	22.73	22.68	22.63	24.00
		25	0	21.63	21.74	21.80	23.00
		25	13	21.66	21.68	21.67	23.00
		25	25	21.65	21.65	21.71	23.00
		50	0	21.77	21.61	21.67	23.00
	64QAM	1	0	21.64	21.80	21.51	23.00
		1	25	21.79	21.66	21.80	23.00
		1	49	21.62	21.78	21.77	23.00
		25	0	20.53	20.56	20.77	22.00
		25	13	20.69	20.54	20.84	22.00
		25	25	20.76	20.78	20.67	22.00
		50	0	20.70	20.49	20.73	22.00
	256QAM	1	0	20.62	20.60	20.72	22.00
		1	25	20.63	20.58	20.77	22.00
		1	49	20.83	20.84	20.77	22.00
		25	0	19.69	19.63	19.74	21.00
		25	13	19.59	19.61	19.69	21.00
		25	25	19.75	19.69	19.71	21.00
		50	0	19.72	19.68	19.88	21.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.85	23.87	23.64	25.00
		1	38	23.68	23.86	23.79	25.00
		1	74	23.71	23.68	23.73	25.00
		36	0	22.78	22.60	22.64	24.00
		36	18	22.68	22.58	22.67	24.00
		36	39	22.68	22.48	22.67	24.00
		75	0	22.66	22.56	22.54	24.00
	16QAM	1	0	22.62	22.52	22.63	24.00
		1	38	22.72	22.61	22.80	24.00
		1	74	22.76	22.77	22.69	24.00
		36	0	21.53	21.70	21.77	23.00
		36	18	21.47	21.75	21.66	23.00
		36	39	21.52	21.67	21.74	23.00
		75	0	21.70	21.56	21.66	23.00
	64QAM	1	0	21.73	21.68	21.61	23.00
		1	38	21.81	21.72	21.79	23.00
		1	74	21.72	21.72	21.71	23.00
		36	0	20.62	20.64	20.67	22.00
		36	18	20.67	20.68	20.77	22.00
		36	39	20.71	20.64	20.65	22.00
		75	0	20.80	20.68	20.77	22.00
	256QAM	1	0	20.60	20.68	20.56	22.00
		1	38	20.73	20.57	20.63	22.00
		1	74	20.84	20.86	20.60	22.00
		36	0	19.58	19.68	19.79	21.00
		36	18	19.65	19.63	19.80	21.00
		36	39	19.70	19.70	19.67	21.00
		75	0	19.80	19.62	19.80	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	23.93	/	25.00
		1	50	/	23.82	/	25.00
		1	99	/	23.54	/	25.00
		50	0	/	22.61	/	24.00
		50	25	/	22.58	/	24.00
		50	50	/	22.61	/	24.00
		100	0	/	22.59	/	24.00
	16QAM	1	0	/	22.52	/	24.00
		1	50	/	22.53	/	24.00
		1	99	/	22.74	/	24.00
		50	0	/	21.79	/	23.00
		50	25	/	21.73	/	23.00
		50	50	/	21.60	/	23.00



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	64QAM	100	0	/	21.62	/	23.00
		1	0	/	21.75	/	23.00
		1	50	/	21.60	/	23.00
		1	99	/	21.79	/	23.00
		50	0	/	20.63	/	22.00
		50	25	/	20.65	/	22.00
		50	50	/	20.70	/	22.00
		100	0	/	20.59	/	22.00
	256QAM	1	0	/	20.59	/	22.00
		1	50	/	20.54	/	22.00
		1	99	/	20.68	/	22.00
		50	0	/	19.65	/	21.00
		50	25	/	19.55	/	21.00
		50	50	/	19.58	/	21.00
		100	0	/	19.61	/	21.00

LTE Band 4 State3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	18.53	18.56	18.50	20.00
		1	2	18.70	18.68	18.71	20.00
		1	5	18.62	18.68	18.58	20.00
		3	0	18.67	18.58	18.69	20.00
		3	2	18.55	18.63	18.56	20.00
		3	3	18.67	18.51	18.61	20.00
		6	0	18.54	18.58	18.52	20.00
	16QAM	1	0	18.73	18.68	18.52	20.00
		1	2	18.54	18.69	18.62	20.00
		1	5	18.64	18.48	18.56	20.00
		3	0	18.62	18.58	18.55	20.00
		3	2	18.67	18.55	18.52	20.00
		3	3	18.60	18.58	18.65	20.00
		6	0	18.69	18.57	18.52	20.00
	64QAM	1	0	18.70	18.55	18.63	20.00
		1	2	18.53	18.61	18.69	20.00
		1	5	18.60	18.61	18.50	20.00
		3	0	18.58	18.62	18.72	20.00
		3	2	18.64	18.62	18.53	20.00
		3	3	18.62	18.63	18.54	20.00
		6	0	18.50	18.52	18.56	20.00
	256QAM	1	0	18.51	18.51	18.72	20.00
		1	2	18.64	18.49	18.53	20.00
		1	5	18.52	18.56	18.65	20.00
		3	0	18.53	18.64	18.59	20.00



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		3	2	18.62	18.62	18.68	20.00
		3	3	18.65	18.57	18.69	20.00
		6	0	18.70	18.65	18.53	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	18.68	18.80	18.62	20.00
		1	7	18.64	18.68	18.65	20.00
		1	14	18.72	18.68	18.67	20.00
		8	0	18.53	18.69	18.65	20.00
		8	4	18.52	18.64	18.73	20.00
		8	7	18.52	18.61	18.62	20.00
		15	0	18.58	18.55	18.58	20.00
	16QAM	1	0	18.69	18.50	18.61	20.00
		1	7	18.61	18.64	18.73	20.00
		1	14	18.68	18.66	18.67	20.00
		8	0	18.68	18.81	18.77	20.00
		8	4	18.55	18.63	18.55	20.00
		8	7	18.67	18.58	18.74	20.00
		15	0	18.76	18.63	18.68	20.00
	64QAM	1	0	18.72	18.80	18.61	20.00
		1	7	18.72	18.58	18.82	20.00
		1	14	18.53	18.73	18.75	20.00
		8	0	18.60	18.55	18.75	20.00
		8	4	18.65	18.51	18.69	20.00
		8	7	18.59	18.75	18.67	20.00
		15	0	18.63	18.48	18.59	20.00
	256QAM	1	0	18.60	18.61	18.71	20.00
		1	7	18.68	18.51	18.75	20.00
		1	14	18.79	18.82	18.67	20.00
		8	0	18.75	18.49	18.75	20.00
		8	4	18.66	18.61	18.74	20.00
		8	7	18.67	18.48	18.74	20.00
		15	0	18.68	18.60	18.71	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	18.73	18.72	18.50	20.00
		1	13	18.53	18.74	18.77	20.00
		1	24	18.81	18.64	18.80	20.00
		12	0	18.67	18.61	18.60	20.00
		12	6	18.62	18.57	18.68	20.00
		12	13	18.51	18.50	18.56	20.00
		25	0	18.68	18.72	18.53	20.00
	16QAM	1	0	18.61	18.53	18.73	20.00
		1	13	18.53	18.63	18.66	20.00
		1	24	18.75	18.73	18.65	20.00



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		12	0	18.55	18.79	18.67	20.00
		12	6	18.52	18.78	18.67	20.00
		12	13	18.67	18.73	18.72	20.00
		25	0	18.72	18.61	18.74	20.00
	64QAM	1	0	18.60	18.78	18.52	20.00
		1	13	18.67	18.68	18.80	20.00
		1	24	18.57	18.61	18.66	20.00
		12	0	18.60	18.54	18.76	20.00
		12	6	18.62	18.64	18.59	20.00
		12	13	18.63	18.66	18.65	20.00
		25	0	18.79	18.51	18.69	20.00
	256QAM	1	0	18.66	18.70	18.61	20.00
		1	13	18.73	18.56	18.62	20.00
		1	24	18.74	18.78	18.62	20.00
		12	0	18.59	18.47	18.73	20.00
		12	6	18.61	18.49	18.74	20.00
		12	13	18.57	18.45	18.74	20.00
		25	0	18.75	18.63	18.67	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	18.68	18.75	18.48	20.00
		1	25	18.70	18.87	18.59	20.00
		1	49	18.76	18.67	18.67	20.00
		25	0	18.73	18.56	18.59	20.00
		25	13	18.65	18.62	18.79	20.00
		25	25	18.57	18.63	18.63	20.00
		50	0	18.74	18.60	18.51	20.00
	16QAM	1	0	18.49	18.47	18.67	20.00
		1	25	18.49	18.57	18.70	20.00
		1	49	18.69	18.66	18.59	20.00
		25	0	18.61	18.70	18.79	20.00
		25	13	18.62	18.64	18.66	20.00
		25	25	18.62	18.63	18.66	20.00
		50	0	18.75	18.59	18.64	20.00
	64QAM	1	0	18.61	18.74	18.48	20.00
		1	25	18.76	18.65	18.75	20.00
		1	49	18.58	18.75	18.76	20.00
		25	0	18.48	18.53	18.75	20.00
		25	13	18.64	18.48	18.82	20.00
		25	25	18.71	18.77	18.65	20.00
		50	0	18.67	18.46	18.72	20.00
	256QAM	1	0	18.59	18.58	18.69	20.00
		1	25	18.58	18.56	18.72	20.00
		1	49	18.82	18.80	18.71	20.00
		25	0	18.65	18.57	18.69	20.00



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		25	13	18.53	18.56	18.64	20.00
		25	25	18.74	18.64	18.67	20.00
		50	0	18.67	18.67	18.84	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	18.83	18.81	18.61	20.00
		1	38	18.67	18.83	18.74	20.00
		1	74	18.69	18.63	18.68	20.00
		36	0	18.73	18.57	18.63	20.00
		36	18	18.66	18.54	18.63	20.00
		36	39	18.63	18.47	18.64	20.00
		75	0	18.64	18.51	18.51	20.00
	16QAM	1	0	18.60	18.50	18.60	20.00
		1	38	18.66	18.58	18.74	20.00
		1	74	18.74	18.75	18.66	20.00
		36	0	18.51	18.65	18.75	20.00
		36	18	18.43	18.70	18.61	20.00
		36	39	18.47	18.64	18.70	20.00
		75	0	18.64	18.51	18.63	20.00
	64QAM	1	0	18.69	18.66	18.59	20.00
		1	38	18.76	18.66	18.76	20.00
		1	74	18.70	18.71	18.66	20.00
		36	0	18.56	18.61	18.61	20.00
		36	18	18.65	18.65	18.74	20.00
		36	39	18.69	18.60	18.61	20.00
		75	0	18.75	18.62	18.72	20.00
	256QAM	1	0	18.54	18.65	18.51	20.00
		1	38	18.70	18.51	18.59	20.00
		1	74	18.79	18.84	18.59	20.00
		36	0	18.55	18.64	18.77	20.00
		36	18	18.63	18.60	18.76	20.00
		36	39	18.68	18.66	18.63	20.00
		75	0	18.76	18.59	18.77	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	18.90	/	20.00
		1	50	/	18.78	/	20.00
		1	99	/	18.52	/	20.00
		50	0	/	18.60	/	20.00
		50	25	/	18.54	/	20.00
		50	50	/	18.55	/	20.00
		100	0	/	18.57	/	20.00
	16QAM	1	0	/	18.50	/	20.00
		1	50	/	18.50	/	20.00
		1	99	/	18.70	/	20.00



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		50	0	/	18.77	/	20.00
		50	25	/	18.71	/	20.00
		50	50	/	18.57	/	20.00
		100	0	/	18.57	/	20.00
	64QAM	1	0	/	18.74	/	20.00
		1	50	/	18.59	/	20.00
		1	99	/	18.75	/	20.00
		50	0	/	18.59	/	20.00
		50	25	/	18.63	/	20.00
		50	50	/	18.67	/	20.00
		100	0	/	18.57	/	20.00
	256QAM	1	0	/	18.57	/	20.00
		1	50	/	18.50	/	20.00
		1	99	/	18.65	/	20.00
		50	0	/	18.64	/	20.00
		50	25	/	18.51	/	20.00
		50	50	/	18.56	/	20.00
		100	0	/	18.58	/	20.00

LTE Band 4 State3 (UL CA & ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	15.50	15.55	15.49	17.00
		1	2	15.67	15.68	15.70	17.00
		1	5	15.62	15.67	15.57	17.00
		3	0	15.65	15.57	15.68	17.00
		3	2	15.53	15.62	15.55	17.00
		3	3	15.65	15.49	15.60	17.00
		6	0	15.52	15.58	15.51	17.00
	16QAM	1	0	15.72	15.67	15.50	17.00
		1	2	15.52	15.67	15.61	17.00
		1	5	15.62	15.46	15.54	17.00
		3	0	15.61	15.56	15.53	17.00
		3	2	15.66	15.52	15.49	17.00
		3	3	15.59	15.55	15.65	17.00
		6	0	15.68	15.55	15.50	17.00
	64QAM	1	0	15.70	15.53	15.62	17.00
		1	2	15.50	15.61	15.69	17.00
		1	5	15.58	15.61	15.49	17.00
		3	0	15.58	15.60	15.71	17.00
		3	2	15.64	15.60	15.52	17.00
		3	3	15.61	15.63	15.53	17.00
		6	0	15.48	15.50	15.54	17.00
	256QAM	1	0	15.49	15.48	15.71	17.00



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		1	2	15.61	15.47	15.52	17.00
		1	5	15.51	15.53	15.63	17.00
		3	0	15.53	15.63	15.58	17.00
		3	2	15.60	15.60	15.67	17.00
		3	3	15.62	15.55	15.69	17.00
		6	0	15.68	15.65	15.52	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	15.66	15.78	15.61	17.00
		1	7	15.63	15.68	15.63	17.00
		1	14	15.69	15.67	15.65	17.00
		8	0	15.52	15.67	15.63	17.00
		8	4	15.51	15.64	15.73	17.00
		8	7	15.51	15.61	15.60	17.00
		15	0	15.57	15.55	15.58	17.00
	16QAM	1	0	15.67	15.48	15.60	17.00
		1	7	15.60	15.63	15.72	17.00
		1	14	15.67	15.64	15.66	17.00
		8	0	15.67	15.79	15.76	17.00
		8	4	15.55	15.62	15.52	17.00
		8	7	15.67	15.57	15.73	17.00
		15	0	15.74	15.61	15.67	17.00
	64QAM	1	0	15.70	15.78	15.60	17.00
		1	7	15.71	15.57	15.80	17.00
		1	14	15.52	15.72	15.73	17.00
		8	0	15.60	15.53	15.75	17.00
		8	4	15.63	15.50	15.67	17.00
		8	7	15.56	15.74	15.66	17.00
		15	0	15.62	15.46	15.57	17.00
	256QAM	1	0	15.58	15.59	15.69	17.00
		1	7	15.66	15.50	15.74	17.00
		1	14	15.78	15.80	15.67	17.00
		8	0	15.74	15.47	15.73	17.00
		8	4	15.63	15.58	15.73	17.00
		8	7	15.64	15.46	15.72	17.00
		15	0	15.67	15.58	15.70	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	15.72	15.70	15.47	17.00
		1	13	15.50	15.72	15.77	17.00
		1	24	15.80	15.63	15.79	17.00
		12	0	15.66	15.60	15.59	17.00
		12	6	15.62	15.57	15.66	17.00
		12	13	15.48	15.50	15.55	17.00
		25	0	15.67	15.72	15.53	17.00



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	16QAM	1	0	15.60	15.51	15.71	17.00
		1	13	15.53	15.61	15.65	17.00
		1	24	15.73	15.71	15.65	17.00
		12	0	15.52	15.78	15.65	17.00
		12	6	15.50	15.78	15.67	17.00
		12	13	15.66	15.72	15.70	17.00
		25	0	15.72	15.61	15.72	17.00
	64QAM	1	0	15.59	15.78	15.52	17.00
		1	13	15.65	15.65	15.80	17.00
		1	24	15.57	15.60	15.63	17.00
		12	0	15.59	15.53	15.75	17.00
		12	6	15.59	15.63	15.57	17.00
		12	13	15.62	15.64	15.63	17.00
		25	0	15.76	15.50	15.68	17.00
	256QAM	1	0	15.65	15.70	15.60	17.00
		1	13	15.70	15.54	15.61	17.00
		1	24	15.72	15.77	15.60	17.00
		12	0	15.57	15.44	15.70	17.00
		12	6	15.59	15.47	15.73	17.00
		12	13	15.55	15.42	15.72	17.00
		25	0	15.73	15.61	15.65	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	15.66	15.73	15.47	17.00
		1	25	15.69	15.85	15.57	17.00
		1	49	15.75	15.65	15.67	17.00
		25	0	15.71	15.55	15.58	17.00
		25	13	15.64	15.62	15.77	17.00
		25	25	15.55	15.63	15.60	17.00
		50	0	15.72	15.58	15.48	17.00
	16QAM	1	0	15.47	15.47	15.67	17.00
		1	25	15.48	15.56	15.70	17.00
		1	49	15.67	15.65	15.57	17.00
		25	0	15.58	15.70	15.78	17.00
		25	13	15.61	15.64	15.65	17.00
		25	25	15.61	15.61	15.65	17.00
		50	0	15.74	15.56	15.62	17.00
	64QAM	1	0	15.60	15.71	15.47	17.00
		1	25	15.76	15.65	15.75	17.00
		1	49	15.56	15.75	15.74	17.00
		25	0	15.47	15.52	15.72	17.00
		25	13	15.63	15.47	15.82	17.00
		25	25	15.69	15.75	15.63	17.00
		50	0	15.65	15.44	15.71	17.00
	256QAM	1	0	15.58	15.56	15.68	17.00



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		1	25	15.57	15.53	15.70	17.00
		1	49	15.80	15.78	15.71	17.00
		25	0	15.63	15.56	15.68	17.00
		25	13	15.51	15.53	15.63	17.00
		25	25	15.73	15.64	15.67	17.00
		50	0	15.67	15.66	15.82	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	15.82	15.79	15.59	17.00
		1	38	15.66	15.82	15.72	17.00
		1	74	15.68	15.60	15.66	17.00
		36	0	15.72	15.55	15.62	17.00
		36	18	15.64	15.54	15.62	17.00
		36	39	15.63	15.44	15.61	17.00
		75	0	15.63	15.49	15.48	17.00
	16QAM	1	0	15.58	15.48	15.58	17.00
		1	38	15.63	15.56	15.72	17.00
		1	74	15.71	15.75	15.66	17.00
		36	0	15.48	15.64	15.75	17.00
		36	18	15.42	15.69	15.58	17.00
		36	39	15.46	15.64	15.68	17.00
		75	0	15.64	15.48	15.62	17.00
	64QAM	1	0	15.67	15.63	15.57	17.00
		1	38	15.74	15.65	15.74	17.00
		1	74	15.69	15.70	15.65	17.00
		36	0	15.53	15.59	15.59	17.00
		36	18	15.63	15.62	15.72	17.00
		36	39	15.68	15.60	15.58	17.00
		75	0	15.73	15.61	15.71	17.00
	256QAM	1	0	15.54	15.64	15.49	17.00
		1	38	15.67	15.50	15.58	17.00
		1	74	15.78	15.83	15.56	17.00
		36	0	15.53	15.63	15.75	17.00
		36	18	15.61	15.59	15.75	17.00
		36	39	15.67	15.65	15.61	17.00
		75	0	15.74	15.57	15.77	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	15.88	/	17.00
		1	50	/	15.75	/	17.00
		1	99	/	15.52	/	17.00
		50	0	/	15.59	/	17.00
		50	25	/	15.51	/	17.00
		50	50	/	15.53	/	17.00
		100	0	/	15.55	/	17.00



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	16QAM	1	0	/	15.47	/	17.00
		1	50	/	15.48	/	17.00
		1	99	/	15.67	/	17.00
		50	0	/	15.77	/	17.00
		50	25	/	15.69	/	17.00
		50	50	/	15.55	/	17.00
		100	0	/	15.56	/	17.00
	64QAM	1	0	/	15.72	/	17.00
		1	50	/	15.57	/	17.00
		1	99	/	15.75	/	17.00
		50	0	/	15.56	/	17.00
		50	25	/	15.61	/	17.00
		50	50	/	15.66	/	17.00
		100	0	/	15.55	/	17.00
	256QAM	1	0	/	15.57	/	17.00
		1	50	/	15.47	/	17.00
		1	99	/	15.64	/	17.00
		50	0	/	15.62	/	17.00
		50	25	/	15.49	/	17.00
		50	50	/	15.53	/	17.00
		100	0	/	15.57	/	17.00

LTE Band 4 State4 (UL CA & ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	20.03	20.08	19.98	21.50
		1	2	20.19	20.21	20.22	21.50
		1	5	20.09	20.20	20.06	21.50
		3	0	20.17	20.09	20.22	21.50
		3	2	20.04	20.18	20.03	21.50
		3	3	20.17	20.06	20.10	21.50
		6	0	20.06	20.05	20.02	21.50
	16QAM	1	0	20.21	20.20	19.99	21.50
		1	2	20.07	20.22	20.12	21.50
		1	5	20.15	19.99	20.07	21.50
		3	0	20.13	20.12	20.04	21.50
		3	2	20.21	20.06	20.02	21.50
		3	3	20.12	20.09	20.12	21.50
		6	0	20.22	20.07	20.05	21.50
	64QAM	1	0	20.21	20.05	20.18	21.50
		1	2	20.05	20.11	20.18	21.50
		1	5	20.12	20.13	20.03	21.50
		3	0	20.11	20.12	20.22	21.50
		3	2	20.17	20.11	20.04	21.50



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		3	3	20.12	20.12	20.03	21.50
		6	0	19.98	20.03	20.03	21.50
	256QAM	1	0	20.00	20.02	20.21	21.50
		1	2	20.12	20.00	20.08	21.50
		1	5	20.03	20.10	20.13	21.50
		3	0	20.08	20.19	20.12	21.50
		3	2	20.09	20.13	20.18	21.50
		3	3	20.17	20.06	20.19	21.50
		6	0	19.72	19.66	19.53	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	20.23	20.35	20.09	21.50
		1	7	20.15	20.23	20.16	21.50
		1	14	20.22	20.18	20.18	21.50
		8	0	20.04	20.21	20.16	21.50
		8	4	20.06	20.14	20.23	21.50
		8	7	20.03	20.09	20.12	21.50
		15	0	20.13	20.04	20.06	21.50
	16QAM	1	0	20.18	20.04	20.10	21.50
		1	7	20.14	20.14	20.23	21.50
		1	14	20.20	20.16	20.20	21.50
		8	0	20.16	20.32	20.31	21.50
		8	4	20.08	20.15	20.01	21.50
		8	7	20.20	20.07	20.29	21.50
		15	0	20.26	20.18	20.18	21.50
	64QAM	1	0	20.22	20.29	20.10	21.50
		1	7	20.25	20.12	20.31	21.50
		1	14	20.03	20.23	20.25	21.50
		8	0	20.08	20.04	20.25	21.50
		8	4	20.15	20.01	20.16	21.50
		8	7	20.06	20.26	20.18	21.50
		15	0	20.12	20.00	20.12	21.50
	256QAM	1	0	20.09	20.12	20.24	21.50
		1	7	20.19	20.01	20.27	21.50
		1	14	20.31	20.32	20.18	21.50
		8	0	19.75	19.52	19.75	21.00
		8	4	19.67	19.62	19.73	21.00
		8	7	19.66	19.50	19.74	21.00
		15	0	19.70	19.62	19.73	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	20.24	20.25	20.04	21.50
		1	13	20.04	20.26	20.24	21.50
		1	24	20.35	20.10	20.33	21.50
		12	0	20.16	20.13	20.11	21.50



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		12	6	20.12	20.07	20.22	21.50
		12	13	20.00	20.01	20.07	21.50
		25	0	20.15	20.23	20.08	21.50
	16QAM	1	0	20.12	20.05	20.22	21.50
		1	13	20.05	20.15	20.19	21.50
		1	24	20.25	20.24	20.14	21.50
		12	0	20.09	20.35	20.21	21.50
		12	6	20.01	20.25	20.18	21.50
		12	13	20.15	20.22	20.24	21.50
		25	0	20.22	20.13	20.25	21.50
	64QAM	1	0	20.12	20.31	20.00	21.50
		1	13	20.19	20.20	20.33	21.50
		1	24	20.03	20.14	20.18	21.50
		12	0	20.07	20.04	20.24	21.50
		12	6	20.13	20.16	20.15	21.50
		12	13	20.16	20.17	20.13	21.50
		25	0	20.30	20.01	20.20	21.50
	256QAM	1	0	20.12	20.23	20.12	21.50
		1	13	20.20	20.07	20.12	21.50
		1	24	20.24	20.25	20.12	21.50
		12	0	19.58	19.48	19.76	21.00
		12	6	19.62	19.48	19.78	21.00
		12	13	19.55	19.49	19.74	21.00
		25	0	19.76	19.62	19.66	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	20.16	20.27	19.98	21.50
		1	25	20.21	20.37	20.11	21.50
		1	49	20.27	20.18	20.16	21.50
		25	0	20.23	20.05	20.10	21.50
		25	13	20.12	20.11	20.27	21.50
		25	25	20.08	20.12	20.11	21.50
		50	0	20.25	20.09	20.04	21.50
	16QAM	1	0	19.98	20.00	20.21	21.50
		1	25	20.03	20.11	20.21	21.50
		1	49	20.22	20.17	20.13	21.50
		25	0	20.13	20.21	20.27	21.50
		25	13	20.16	20.18	20.12	21.50
		25	25	20.13	20.11	20.19	21.50
		50	0	20.27	20.09	20.15	21.50
	64QAM	1	0	20.14	20.30	19.96	21.50
		1	25	20.27	20.14	20.28	21.50
		1	49	20.09	20.24	20.23	21.50
		25	0	19.99	20.05	20.22	21.50
		25	13	20.15	20.01	20.33	21.50



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		25	25	20.21	20.24	20.12	21.50
		50	0	20.17	19.96	20.21	21.50
	256QAM	1	0	20.09	20.06	20.17	21.50
		1	25	20.12	20.04	20.25	21.50
		1	49	20.30	20.31	20.26	21.50
		25	0	19.65	19.59	19.70	21.00
		25	13	19.56	19.59	19.67	21.00
		25	25	19.71	19.68	19.68	21.00
		50	0	19.71	19.65	19.88	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	20.34	20.34	20.10	21.50
		1	38	20.16	20.35	20.24	21.50
		1	74	20.16	20.14	20.22	21.50
		36	0	20.28	20.05	20.13	21.50
		36	18	20.16	20.03	20.15	21.50
		36	39	20.17	19.95	20.13	21.50
		75	0	20.15	20.06	20.03	21.50
	16QAM	1	0	20.11	20.00	20.10	21.50
		1	38	20.19	20.10	20.28	21.50
		1	74	20.21	20.26	20.16	21.50
		36	0	20.01	20.16	20.25	21.50
		36	18	19.93	20.21	20.13	21.50
		36	39	19.98	20.13	20.19	21.50
		75	0	20.18	20.05	20.15	21.50
	64QAM	1	0	20.19	20.18	20.09	21.50
		1	38	20.27	20.18	20.27	21.50
		1	74	20.21	20.22	20.17	21.50
		36	0	20.08	20.12	20.16	21.50
		36	18	20.16	20.15	20.26	21.50
		36	39	20.16	20.14	20.13	21.50
		75	0	20.29	20.14	20.24	21.50
	256QAM	1	0	20.08	20.14	20.04	21.50
		1	38	20.21	20.05	20.12	21.50
		1	74	20.30	20.31	20.09	21.50
		36	0	19.53	19.63	19.79	21.00
		36	18	19.64	19.60	19.80	21.00
		36	39	19.66	19.67	19.65	21.00
		75	0	19.77	19.59	19.77	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	20.40	/	21.50
		1	50	/	20.32	/	21.50
		1	99	/	20.01	/	21.50
		50	0	/	20.08	/	21.50



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		50	25	/	20.05	/	21.50
		50	50	/	20.06	/	21.50
		100	0	/	20.08	/	21.50
	16QAM	1	0	/	20.00	/	21.50
		1	50	/	20.01	/	21.50
		1	99	/	20.20	/	21.50
		50	0	/	20.27	/	21.50
		50	25	/	20.20	/	21.50
		50	50	/	20.09	/	21.50
		100	0	/	20.09	/	21.50
	64QAM	1	0	/	20.23	/	21.50
		1	50	/	20.07	/	21.50
		1	99	/	20.24	/	21.50
		50	0	/	20.13	/	21.50
		50	25	/	20.10	/	21.50
		50	50	/	20.15	/	21.50
		100	0	/	20.07	/	21.50
	256QAM	1	0	/	20.07	/	21.50
		1	50	/	20.04	/	21.50
		1	99	/	20.14	/	21.50
		50	0	/	19.60	/	21.00
		50	25	/	19.51	/	21.00
		50	50	/	19.54	/	21.00
		100	0	/	19.58	/	21.00

LTE Band 7 State0&1&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	23.61	23.51	23.34	25.00
		1	13	23.39	23.55	23.55	25.00
		1	24	23.49	23.44	23.66	25.00
		12	0	22.47	22.51	22.42	24.00
		12	6	22.53	22.53	22.51	24.00
		12	13	22.40	22.42	22.56	24.00
		25	0	22.58	22.47	22.38	24.00
	16QAM	1	0	22.39	22.32	22.36	24.00
		1	13	22.53	22.50	22.48	24.00
		1	24	22.57	22.54	22.59	24.00
		12	0	21.31	21.50	21.41	23.00
		12	6	21.44	21.62	21.44	23.00
		12	13	21.43	21.52	21.60	23.00
		25	0	21.48	21.43	21.62	23.00
	64QAM	1	0	21.42	21.65	21.47	23.00
		1	13	21.53	21.46	21.51	23.00



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		1	24	21.49	21.42	21.44	23.00
		12	0	20.34	20.41	20.41	22.00
		12	6	20.47	20.38	20.62	22.00
		12	13	20.43	20.39	20.55	22.00
		25	0	20.64	20.47	20.50	22.00
	256QAM	1	0	20.46	20.44	20.50	22.00
		1	13	20.57	20.40	20.41	22.00
		1	24	20.60	20.48	20.38	22.00
		12	0	19.44	19.32	19.55	21.00
		12	6	19.45	19.47	19.62	21.00
		12	13	19.38	19.48	19.51	21.00
		25	0	19.54	19.35	19.49	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	23.53	23.62	23.51	25.00
		1	25	23.52	23.56	23.39	25.00
		1	49	23.56	23.47	23.65	25.00
		25	0	22.43	22.42	22.60	24.00
		25	13	22.46	22.40	22.43	24.00
		25	25	22.38	22.31	22.46	24.00
		50	0	22.51	22.46	22.47	24.00
	16QAM	1	0	22.31	22.40	22.40	24.00
		1	25	22.32	22.54	22.40	24.00
		1	49	22.64	22.59	22.45	24.00
		25	0	21.31	21.59	21.62	23.00
		25	13	21.32	21.61	21.45	23.00
		25	25	21.35	21.44	21.46	23.00
		50	0	21.48	21.47	21.60	23.00
	64QAM	1	0	21.58	21.56	21.43	23.00
		1	25	21.46	21.44	21.48	23.00
		1	49	21.45	21.44	21.51	23.00
		25	0	20.33	20.45	20.54	22.00
		25	13	20.35	20.50	20.56	22.00
		25	25	20.43	20.45	20.50	22.00
		50	0	20.53	20.37	20.50	22.00
	256QAM	1	0	20.40	20.38	20.50	22.00
		1	25	20.53	20.32	20.42	22.00
		1	49	20.57	20.51	20.48	22.00
		25	0	19.48	19.34	19.59	21.00
		25	13	19.44	19.31	19.49	21.00
		25	25	19.56	19.42	19.38	21.00
		50	0	19.56	19.37	19.68	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	23.55	23.59	23.51	25.00



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		1	38	23.53	23.55	23.57	25.00
		1	74	23.59	23.39	23.61	25.00
		36	0	22.52	22.50	22.55	24.00
		36	18	22.46	22.37	22.47	24.00
		36	39	22.43	22.44	22.53	24.00
		75	0	22.64	22.35	22.43	24.00
	16QAM	1	0	22.36	22.48	22.55	24.00
		1	38	22.34	22.49	22.55	24.00
		1	74	22.46	22.49	22.61	24.00
		36	0	21.46	21.57	21.46	23.00
		36	18	21.35	21.56	21.46	23.00
		36	39	21.33	21.47	21.48	23.00
		75	0	21.42	21.46	21.44	23.00
	64QAM	1	0	21.54	21.50	21.41	23.00
		1	38	21.47	21.40	21.48	23.00
		1	74	21.45	21.45	21.47	23.00
		36	0	20.46	20.49	20.58	22.00
		36	18	20.48	20.42	20.63	22.00
		36	39	20.59	20.55	20.51	22.00
		75	0	20.60	20.46	20.56	22.00
	256QAM	1	0	20.57	20.55	20.57	22.00
		1	38	20.59	20.31	20.57	22.00
		1	74	20.64	20.49	20.48	22.00
		36	0	19.47	19.47	19.54	21.00
		36	18	19.35	19.47	19.63	21.00
		36	39	19.40	19.50	19.54	21.00
		75	0	19.67	19.44	19.65	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	23.72	23.82	23.71	25.00
		1	50	23.62	23.67	23.66	25.00
		1	99	23.67	23.63	23.61	25.00
		50	0	22.75	22.81	22.76	24.00
		50	25	22.66	22.71	22.73	24.00
		50	50	22.69	22.72	22.73	24.00
		100	0	22.51	22.61	22.53	24.00
	16QAM	1	0	22.45	22.31	22.54	24.00
		1	50	22.47	22.49	22.54	24.00
		1	99	22.55	22.46	22.50	24.00
		50	0	21.36	21.66	21.44	23.00
		50	25	21.39	21.47	21.48	23.00
		50	50	21.36	21.52	21.61	23.00
		100	0	21.48	21.39	21.50	23.00
	64QAM	1	0	21.56	21.53	21.46	23.00
		1	50	21.63	21.38	21.67	23.00



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		1	99	21.45	21.49	21.62	23.00
		50	0	20.41	20.48	20.54	22.00
		50	25	20.52	20.30	20.52	22.00
		50	50	20.42	20.55	20.43	22.00
		100	0	20.58	20.30	20.59	22.00
	256QAM	1	0	20.40	20.49	20.56	22.00
		1	50	20.55	20.31	20.45	22.00
		1	99	20.59	20.46	20.54	22.00
		50	0	19.42	19.31	19.52	21.00
		50	25	19.42	19.35	19.67	21.00
		50	50	19.56	19.35	19.57	21.00
		100	0	19.47	19.49	19.60	21.00

LTE Band 7 State3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	19.58	19.47	19.32	21.00
		1	13	19.35	19.53	19.53	21.00
		1	24	19.45	19.41	19.63	21.00
		12	0	19.45	19.49	19.36	21.00
		12	6	19.49	19.49	19.50	21.00
		12	13	19.34	19.37	19.54	21.00
		25	0	19.52	19.45	19.36	21.00
	16QAM	1	0	19.37	19.27	19.34	21.00
		1	13	19.52	19.48	19.44	21.00
		1	24	19.55	19.48	19.54	21.00
		12	0	19.30	19.48	19.38	21.00
		12	6	19.42	19.59	19.42	21.00
		12	13	19.41	19.51	19.56	21.00
		25	0	19.45	19.39	19.56	21.00
	64QAM	1	0	19.38	19.61	19.42	21.00
		1	13	19.51	19.45	19.47	21.00
		1	24	19.47	19.40	19.42	21.00
		12	0	19.28	19.36	19.39	21.00
		12	6	19.43	19.33	19.59	21.00
		12	13	19.42	19.36	19.50	21.00
		25	0	19.59	19.42	19.49	21.00
	256QAM	1	0	19.40	19.39	19.48	21.00
		1	13	19.51	19.35	19.37	21.00
		1	24	19.58	19.43	19.37	21.00
		12	0	19.41	19.30	19.50	21.00
		12	6	19.43	19.44	19.60	21.00
		12	13	19.37	19.44	19.46	21.00
		25	0	19.50	19.31	19.45	21.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	19.47	19.59	19.48	21.00
		1	25	19.48	19.55	19.37	21.00
		1	49	19.52	19.45	19.60	21.00
		25	0	19.39	19.37	19.56	21.00
		25	13	19.41	19.35	19.37	21.00
		25	25	19.32	19.26	19.40	21.00
		50	0	19.49	19.40	19.42	21.00
	16QAM	1	0	19.25	19.37	19.37	21.00
		1	25	19.28	19.48	19.34	21.00
		1	49	19.58	19.56	19.42	21.00
		25	0	19.27	19.56	19.59	21.00
		25	13	19.28	19.60	19.42	21.00
		25	25	19.32	19.40	19.44	21.00
		50	0	19.45	19.42	19.56	21.00
	64QAM	1	0	19.53	19.54	19.37	21.00
		1	25	19.43	19.40	19.44	21.00
		1	49	19.43	19.42	19.48	21.00
		25	0	19.29	19.41	19.50	21.00
		25	13	19.33	19.48	19.52	21.00
		25	25	19.38	19.43	19.49	21.00
		50	0	19.48	19.35	19.44	21.00
	256QAM	1	0	19.34	19.36	19.48	21.00
		1	25	19.51	19.26	19.37	21.00
		1	49	19.55	19.48	19.44	21.00
		25	0	19.42	19.32	19.55	21.00
		25	13	19.43	19.29	19.44	21.00
		25	25	19.51	19.36	19.33	21.00
		50	0	19.54	19.31	19.65	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	19.54	19.56	19.45	21.00
		1	38	19.50	19.53	19.55	21.00
		1	74	19.57	19.36	19.57	21.00
		36	0	19.46	19.47	19.50	21.00
		36	18	19.42	19.35	19.42	21.00
		36	39	19.40	19.42	19.50	21.00
		75	0	19.61	19.32	19.37	21.00
	16QAM	1	0	19.33	19.46	19.51	21.00
		1	38	19.31	19.47	19.49	21.00
		1	74	19.40	19.47	19.57	21.00
		36	0	19.44	19.55	19.44	21.00
		36	18	19.29	19.52	19.44	21.00
		36	39	19.30	19.44	19.45	21.00



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	64QAM	75	0	19.40	19.44	19.42	21.00
		1	0	19.49	19.47	19.38	21.00
		1	38	19.42	19.37	19.44	21.00
		1	74	19.40	19.39	19.45	21.00
		36	0	19.43	19.44	19.52	21.00
		36	18	19.43	19.37	19.61	21.00
		36	39	19.54	19.54	19.48	21.00
		75	0	19.55	19.41	19.52	21.00
	256QAM	1	0	19.52	19.52	19.56	21.00
		1	38	19.54	19.28	19.53	21.00
		1	74	19.60	19.46	19.46	21.00
		36	0	19.43	19.43	19.50	21.00
		36	18	19.33	19.45	19.58	21.00
		36	39	19.36	19.47	19.49	21.00
		75	0	19.64	19.42	19.63	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	19.70	19.80	19.68	21.00
		1	50	19.61	19.64	19.61	21.00
		1	99	19.65	19.61	19.59	21.00
		50	0	19.72	19.77	19.71	21.00
		50	25	19.65	19.68	19.69	21.00
		50	50	19.67	19.69	19.70	21.00
		100	0	19.46	19.58	19.47	21.00
	16QAM	1	0	19.42	19.29	19.49	21.00
		1	50	19.45	19.46	19.52	21.00
		1	99	19.54	19.40	19.47	21.00
		50	0	19.32	19.62	19.43	21.00
		50	25	19.34	19.46	19.43	21.00
		50	50	19.32	19.50	19.56	21.00
		100	0	19.44	19.35	19.47	21.00
	64QAM	1	0	19.55	19.47	19.43	21.00
		1	50	19.60	19.36	19.62	21.00
		1	99	19.42	19.48	19.56	21.00
		50	0	19.37	19.47	19.51	21.00
		50	25	19.46	19.24	19.50	21.00
		50	50	19.39	19.51	19.40	21.00
		100	0	19.52	19.26	19.56	21.00
	256QAM	1	0	19.39	19.48	19.52	21.00
		1	50	19.51	19.27	19.40	21.00
		1	99	19.57	19.42	19.52	21.00
		50	0	19.38	19.29	19.50	21.00
		50	25	19.37	19.31	19.61	21.00
		50	50	19.53	19.32	19.55	21.00
		100	0	19.42	19.47	19.56	21.00



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LTE FDD Band 30 State0				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
5MHz	QPSK	1	0	/	23.75	/	24.50
		1	13	/	23.69	/	24.50
		1	24	/	23.63	/	24.50
		12	0	/	22.83	/	23.50
		12	6	/	22.49	/	23.50
		12	13	/	22.66	/	23.50
		25	0	/	22.52	/	23.50
	16QAM	1	0	/	22.72	/	23.50
		1	13	/	22.48	/	23.50
		1	24	/	22.81	/	23.50
		12	0	/	21.72	/	22.50
		12	6	/	21.50	/	22.50
		12	13	/	21.75	/	22.50
		25	0	/	21.71	/	22.50
	64QAM	1	0	/	21.63	/	22.50
		1	13	/	21.62	/	22.50
		1	24	/	21.79	/	22.50
		12	0	/	20.62	/	21.50
		12	6	/	20.65	/	21.50
		12	13	/	20.75	/	21.50
		25	0	/	20.45	/	21.50
	256QAM	1	0	/	20.60	/	21.50
		1	13	/	20.62	/	21.50
		1	24	/	20.86	/	21.50
		12	0	/	19.60	/	20.50
		12	6	/	19.61	/	20.50
		12	13	/	19.63	/	20.50
		25	0	/	19.59	/	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
10MHz	QPSK	1	0	/	23.83	/	24.50
		1	25	/	23.75	/	24.50
		1	49	/	23.65	/	24.50
		25	0	/	22.68	/	23.50
		25	13	/	22.48	/	23.50
		25	25	/	22.61	/	23.50
		50	0	/	22.47	/	23.50
	16QAM	1	0	/	22.76	/	23.50
		1	25	/	22.62	/	23.50
		1	49	/	22.79	/	23.50



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		25	0	/	21.63	/	22.50
		25	13	/	21.55	/	22.50
		25	25	/	21.65	/	22.50
		50	0	/	21.61	/	22.50
	64QAM	1	0	/	21.59	/	22.50
		1	25	/	21.71	/	22.50
		1	49	/	21.70	/	22.50
		25	0	/	20.47	/	21.50
		25	13	/	20.59	/	21.50
		25	25	/	20.68	/	21.50
		50	0	/	20.60	/	21.50
	256QAM	1	0	/	20.65	/	21.50
		1	25	/	20.46	/	21.50
		1	49	/	20.75	/	21.50
		25	0	/	19.55	/	20.50
		25	13	/	19.59	/	20.50
		25	25	/	19.56	/	20.50
		50	0	/	19.69	/	20.50

LTE FDD Band 30 State3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
5MHz	QPSK	1	0	/	17.74	/	18.50
		1	13	/	17.68	/	18.50
		1	24	/	17.61	/	18.50
		12	0	/	17.81	/	18.50
		12	6	/	17.44	/	18.50
		12	13	/	17.64	/	18.50
		25	0	/	17.46	/	18.50
	16QAM	1	0	/	17.67	/	18.50
		1	13	/	17.45	/	18.50
		1	24	/	17.78	/	18.50
		12	0	/	17.69	/	18.50
		12	6	/	17.46	/	18.50
		12	13	/	17.74	/	18.50
		25	0	/	17.65	/	18.50
	64QAM	1	0	/	17.59	/	18.50
		1	13	/	17.59	/	18.50
		1	24	/	17.76	/	18.50
		12	0	/	17.59	/	18.50
		12	6	/	17.59	/	18.50
		12	13	/	17.70	/	18.50
		25	0	/	17.39	/	18.50
	256QAM	1	0	/	17.57	/	18.50

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		1	13	/	17.60	/	18.50
		1	24	/	17.85	/	18.50
		12	0	/	17.57	/	18.50
		12	6	/	17.60	/	18.50
		12	13	/	17.58	/	18.50
		25	0	/	17.53	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
10MHz	QPSK	1	0	/	17.81	/	18.50
		1	25	/	17.71	/	18.50
		1	49	/	17.63	/	18.50
		25	0	/	17.65	/	18.50
		25	13	/	17.47	/	18.50
		25	25	/	17.59	/	18.50
		50	0	/	17.41	/	18.50
	16QAM	1	0	/	17.74	/	18.50
		1	25	/	17.61	/	18.50
		1	49	/	17.74	/	18.50
		25	0	/	17.60	/	18.50
		25	13	/	17.51	/	18.50
		25	25	/	17.63	/	18.50
		50	0	/	17.56	/	18.50
	64QAM	1	0	/	17.57	/	18.50
		1	25	/	17.69	/	18.50
		1	49	/	17.68	/	18.50
		25	0	/	17.45	/	18.50
		25	13	/	17.56	/	18.50
		25	25	/	17.62	/	18.50
		50	0	/	17.57	/	18.50
	256QAM	1	0	/	17.61	/	18.50
		1	25	/	17.43	/	18.50
		1	49	/	17.69	/	18.50
		25	0	/	17.51	/	18.50
		25	13	/	17.54	/	18.50
		25	25	/	17.52	/	18.50
		50	0	/	17.67	/	18.50

LTE FDD Band 30 State1&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
5MHz	QPSK	1	0	/	20.70	/	21.50
		1	13	/	20.67	/	21.50
		1	24	/	20.59	/	21.50
		12	0	/	20.77	/	21.50



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		12	6	/	20.45	/	21.50
		12	13	/	20.64	/	21.50
		25	0	/	20.50	/	21.50
	16QAM	1	0	/	20.67	/	21.50
		1	13	/	20.43	/	21.50
		1	24	/	20.77	/	21.50
		12	0	/	20.67	/	21.50
		12	6	/	20.48	/	21.50
		12	13	/	20.73	/	21.50
		25	0	/	20.70	/	21.50
	64QAM	1	0	/	20.58	/	21.50
		1	13	/	20.57	/	21.50
		1	24	/	20.77	/	21.50
		12	0	/	20.58	/	21.50
		12	6	/	20.60	/	21.50
		12	13	/	20.72	/	21.50
		25	0	/	20.43	/	21.50
	256QAM	1	0	/	20.55	/	21.50
		1	13	/	20.56	/	21.50
		1	24	/	20.84	/	21.50
		12	0	/	19.58	/	20.50
		12	6	/	19.57	/	20.50
		12	13	/	19.60	/	20.50
		25	0	/	19.56	/	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
10MHz	QPSK	1	0	/	20.77	/	21.50
		1	25	/	20.73	/	21.50
		1	49	/	20.59	/	21.50
		25	0	/	20.64	/	21.50
		25	13	/	20.42	/	21.50
		25	25	/	20.60	/	21.50
		50	0	/	20.46	/	21.50
	16QAM	1	0	/	20.72	/	21.50
		1	25	/	20.59	/	21.50
		1	49	/	20.74	/	21.50
		25	0	/	20.59	/	21.50
		25	13	/	20.49	/	21.50
		25	25	/	20.62	/	21.50
		50	0	/	20.59	/	21.50
	64QAM	1	0	/	20.58	/	21.50
		1	25	/	20.67	/	21.50
		1	49	/	20.67	/	21.50
		25	0	/	20.42	/	21.50
		25	13	/	20.56	/	21.50



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		25	25	/	20.65	/	21.50
		50	0	/	20.56	/	21.50
	256QAM	1	0	/	20.63	/	21.50
		1	25	/	20.41	/	21.50
		1	49	/	20.70	/	21.50
		25	0	/	19.50	/	20.50
		25	13	/	19.53	/	20.50
		25	25	/	19.54	/	20.50
		50	0	/	19.66	/	20.50

LTE FDD Band 30 State3 (UL CA & ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
5MHz	QPSK	1	0	/	14.72	/	15.50
		1	13	/	14.67	/	15.50
		1	24	/	14.60	/	15.50
		12	0	/	14.79	/	15.50
		12	6	/	14.43	/	15.50
		12	13	/	14.61	/	15.50
		25	0	/	14.45	/	15.50
	16QAM	1	0	/	14.65	/	15.50
		1	13	/	14.43	/	15.50
		1	24	/	14.78	/	15.50
		12	0	/	14.67	/	15.50
		12	6	/	14.45	/	15.50
		12	13	/	14.73	/	15.50
		25	0	/	14.63	/	15.50
	64QAM	1	0	/	14.57	/	15.50
		1	13	/	14.58	/	15.50
		1	24	/	14.73	/	15.50
		12	0	/	14.56	/	15.50
		12	6	/	14.58	/	15.50
		12	13	/	14.70	/	15.50
		25	0	/	14.36	/	15.50
	256QAM	1	0	/	14.56	/	15.50
		1	13	/	14.57	/	15.50
		1	24	/	14.83	/	15.50
		12	0	/	14.55	/	15.50
		12	6	/	14.58	/	15.50
		12	13	/	14.57	/	15.50
		25	0	/	14.51	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
10MHz	QPSK	1	0	/	14.80	/	15.50



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		1	25	/	14.70	/	15.50
		1	49	/	14.61	/	15.50
		25	0	/	14.64	/	15.50
		25	13	/	14.44	/	15.50
		25	25	/	14.57	/	15.50
		50	0	/	14.38	/	15.50
	16QAM	1	0	/	14.72	/	15.50
		1	25	/	14.60	/	15.50
		1	49	/	14.73	/	15.50
		25	0	/	14.59	/	15.50
		25	13	/	14.48	/	15.50
		25	25	/	14.60	/	15.50
	64QAM	50	0	/	14.53	/	15.50
		1	0	/	14.56	/	15.50
		1	25	/	14.68	/	15.50
		1	49	/	14.66	/	15.50
		25	0	/	14.44	/	15.50
		25	13	/	14.55	/	15.50
	256QAM	25	25	/	14.62	/	15.50
		50	0	/	14.56	/	15.50
		1	0	/	14.60	/	15.50
		1	25	/	14.42	/	15.50
		1	49	/	14.68	/	15.50
		25	0	/	14.49	/	15.50
		25	13	/	14.52	/	15.50
		25	25	/	14.50	/	15.50
		50	0	/	14.65	/	15.50

LTE FDD Band 30 State1(UL CA & ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
5MHz	QPSK	1	0	/	17.75	/	18.50
		1	13	/	17.67	/	18.50
		1	24	/	17.61	/	18.50
		12	0	/	17.80	/	18.50
		12	6	/	17.49	/	18.50
		12	13	/	17.66	/	18.50
	16QAM	25	0	/	17.51	/	18.50
		1	0	/	17.69	/	18.50
		1	13	/	17.46	/	18.50
		1	24	/	17.79	/	18.50
		12	0	/	17.71	/	18.50
		12	6	/	17.49	/	18.50
		12	13	/	17.72	/	18.50



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	64QAM	25	0	/	17.71	/	18.50
		1	0	/	17.62	/	18.50
		1	13	/	17.60	/	18.50
		1	24	/	17.78	/	18.50
		12	0	/	17.60	/	18.50
		12	6	/	17.62	/	18.50
		12	13	/	17.73	/	18.50
		25	0	/	17.43	/	18.50
	256QAM	1	0	/	17.57	/	18.50
		1	13	/	17.61	/	18.50
		1	24	/	17.85	/	18.50
		12	0	/	17.59	/	18.50
		12	6	/	17.59	/	18.50
		12	13	/	17.61	/	18.50
		25	0	/	17.57	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
10MHz	QPSK	1	0	/	17.81	/	18.50
		1	25	/	17.74	/	18.50
		1	49	/	17.65	/	18.50
		25	0	/	17.68	/	18.50
		25	13	/	17.47	/	18.50
		25	25	/	17.59	/	18.50
		50	0	/	17.47	/	18.50
	16QAM	1	0	/	17.74	/	18.50
		1	25	/	17.60	/	18.50
		1	49	/	17.78	/	18.50
		25	0	/	17.61	/	18.50
		25	13	/	17.53	/	18.50
		25	25	/	17.63	/	18.50
		50	0	/	17.59	/	18.50
	64QAM	1	0	/	17.56	/	18.50
		1	25	/	17.69	/	18.50
		1	49	/	17.67	/	18.50
		25	0	/	17.46	/	18.50
		25	13	/	17.57	/	18.50
		25	25	/	17.67	/	18.50
		50	0	/	17.59	/	18.50
	256QAM	1	0	/	17.62	/	18.50
		1	25	/	17.43	/	18.50
		1	49	/	17.74	/	18.50
		25	0	/	17.53	/	18.50
		25	13	/	17.59	/	18.50
		25	25	/	17.54	/	18.50
		50	0	/	17.68	/	18.50

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LTE FDD Band 30 State4(UL CA & ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
5MHz	QPSK	1	0	/	18.22	/	19.00
		1	13	/	18.16	/	19.00
		1	24	/	18.10	/	19.00
		12	0	/	18.29	/	19.00
		12	6	/	17.98	/	19.00
		12	13	/	18.14	/	19.00
		25	0	/	17.99	/	19.00
	16QAM	1	0	/	18.19	/	19.00
		1	13	/	17.95	/	19.00
		1	24	/	18.28	/	19.00
		12	0	/	18.19	/	19.00
		12	6	/	17.96	/	19.00
		12	13	/	18.22	/	19.00
		25	0	/	18.19	/	19.00
	64QAM	1	0	/	18.11	/	19.00
		1	13	/	18.09	/	19.00
		1	24	/	18.27	/	19.00
		12	0	/	18.09	/	19.00
		12	6	/	18.11	/	19.00
		12	13	/	18.22	/	19.00
		25	0	/	17.92	/	19.00
	256QAM	1	0	/	18.05	/	19.00
		1	13	/	18.10	/	19.00
		1	24	/	18.34	/	19.00
		12	0	/	18.09	/	19.00
		12	6	/	18.07	/	19.00
		12	13	/	18.10	/	19.00
		25	0	/	18.05	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
10MHz	QPSK	1	0	/	18.28	/	19.00
		1	25	/	18.23	/	19.00
		1	49	/	18.14	/	19.00
		25	0	/	18.16	/	19.00
		25	13	/	17.95	/	19.00
		25	25	/	18.07	/	19.00
		50	0	/	17.94	/	19.00
	16QAM	1	0	/	18.22	/	19.00
		1	25	/	18.09	/	19.00
		1	49	/	18.27	/	19.00



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		25	0	/	18.10	/	19.00
		25	13	/	18.01	/	19.00
		25	25	/	18.13	/	19.00
		50	0	/	18.06	/	19.00
	64QAM	1	0	/	18.04	/	19.00
		1	25	/	18.18	/	19.00
		1	49	/	18.16	/	19.00
		25	0	/	17.93	/	19.00
		25	13	/	18.04	/	19.00
		25	25	/	18.15	/	19.00
		50	0	/	18.09	/	19.00
	256QAM	1	0	/	18.11	/	19.00
		1	25	/	17.91	/	19.00
		1	49	/	18.22	/	19.00
		25	0	/	18.00	/	19.00
		25	13	/	18.08	/	19.00
		25	25	/	18.03	/	19.00
		50	0	/	18.16	/	19.00

LTE Band 66 State0&1&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.40	23.41	23.39	25.00
		1	2	23.29	23.28	23.40	25.00
		1	5	23.29	23.34	23.26	25.00
		3	0	23.24	23.23	23.28	25.00
		3	1	23.23	23.40	23.43	25.00
		3	3	23.39	23.33	23.27	25.00
		6	0	22.29	22.35	22.30	24.00
	16QAM	1	0	22.34	22.35	22.40	24.00
		1	2	22.35	22.34	22.45	24.00
		1	5	22.35	22.36	22.27	24.00
		3	0	22.33	22.42	22.34	24.00
		3	1	22.42	22.36	22.40	24.00
		3	3	22.24	22.31	22.34	24.00
		6	0	21.32	21.24	21.34	23.00
	64QAM	1	0	21.33	21.43	21.25	23.00
		1	2	21.35	21.37	21.28	23.00
		1	5	21.44	21.39	21.36	23.00
		3	0	21.32	21.35	21.28	23.00
		3	1	21.30	21.29	21.43	23.00
		3	3	21.41	21.26	21.29	23.00
		6	0	20.41	20.26	20.26	22.00
	256QAM	1	0	20.31	20.32	20.28	22.00



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		1	2	20.29	20.26	20.27	22.00
		1	5	20.33	20.38	20.30	22.00
		3	0	20.33	20.42	20.41	22.00
		3	1	20.45	20.37	20.28	22.00
		3	3	20.43	20.27	20.24	22.00
		6	0	19.33	19.30	19.33	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	23.62	23.50	23.48	25.00
		1	7	23.45	23.71	23.45	25.00
		1	14	23.57	23.52	23.57	25.00
		8	0	22.49	22.54	22.50	24.00
		8	4	22.47	22.44	22.57	24.00
		8	7	22.42	22.37	22.63	24.00
		15	0	22.55	22.49	22.47	24.00
	16QAM	1	0	22.49	22.44	22.59	24.00
		1	7	22.54	22.49	22.47	24.00
		1	14	22.60	22.54	22.47	24.00
		8	0	21.43	21.53	21.49	23.00
		8	4	21.45	21.59	21.45	23.00
		8	7	21.39	21.58	21.61	23.00
		15	0	21.63	21.49	21.64	23.00
	64QAM	1	0	21.63	21.59	21.50	23.00
		1	7	21.63	21.47	21.50	23.00
		1	14	21.40	21.52	21.49	23.00
		8	0	20.40	20.44	20.46	22.00
		8	4	20.57	20.49	20.51	22.00
		8	7	20.61	20.59	20.40	22.00
		15	0	20.65	20.39	20.62	22.00
	256QAM	1	0	20.41	20.58	20.40	22.00
		1	7	20.66	20.32	20.57	22.00
		1	14	20.62	20.66	20.54	22.00
		8	0	19.40	19.40	19.59	21.00
		8	4	19.45	19.30	19.62	21.00
		8	7	19.56	19.53	19.53	21.00
		15	0	19.62	19.47	19.69	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	23.63	23.65	23.49	25.00
		1	13	23.38	23.71	23.54	25.00
		1	24	23.56	23.49	23.51	25.00
		12	0	22.59	22.37	22.44	24.00
		12	6	22.55	22.41	22.53	24.00
		12	13	22.48	22.36	22.45	24.00
		25	0	22.49	22.55	22.43	24.00



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	16QAM	1	0	22.54	22.35	22.45	24.00
		1	13	22.38	22.50	22.61	24.00
		1	24	22.57	22.65	22.52	24.00
		12	0	21.48	21.54	21.59	23.00
		12	6	21.35	21.59	21.40	23.00
		12	13	21.43	21.60	21.50	23.00
		25	0	21.58	21.45	21.60	23.00
	64QAM	1	0	21.62	21.61	21.44	23.00
		1	13	21.62	21.59	21.57	23.00
		1	24	21.37	21.65	21.52	23.00
		12	0	20.38	20.43	20.61	22.00
		12	6	20.46	20.39	20.62	22.00
		12	13	20.63	20.56	20.40	22.00
		25	0	20.62	20.49	20.64	22.00
	256QAM	1	0	20.50	20.41	20.55	22.00
		1	13	20.46	20.44	20.49	22.00
		1	24	20.54	20.61	20.49	22.00
		12	0	19.56	19.39	19.48	21.00
		12	6	19.48	19.31	19.56	21.00
		12	13	19.58	19.43	19.49	21.00
		25	0	19.71	19.53	19.60	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.68	23.57	23.44	25.00
		1	25	23.45	23.69	23.51	25.00
		1	49	23.69	23.50	23.54	25.00
		25	0	22.49	22.54	22.45	24.00
		25	13	22.50	22.40	22.62	24.00
		25	25	22.35	22.31	22.54	24.00
		50	0	22.56	22.39	22.45	24.00
	16QAM	1	0	22.42	22.37	22.43	24.00
		1	25	22.47	22.55	22.47	24.00
		1	49	22.68	22.55	22.51	24.00
		25	0	21.38	21.54	21.45	23.00
		25	13	21.39	21.53	21.55	23.00
		25	25	21.42	21.60	21.47	23.00
		50	0	21.45	21.31	21.47	23.00
	64QAM	1	0	21.43	21.54	21.42	23.00
		1	25	21.51	21.43	21.59	23.00
		1	49	21.50	21.55	21.60	23.00
		25	0	20.38	20.36	20.46	22.00
		25	13	20.55	20.50	20.53	22.00
		25	25	20.53	20.44	20.51	22.00
		50	0	20.60	20.46	20.47	22.00
	256QAM	1	0	20.49	20.59	20.61	22.00



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		1	25	20.66	20.51	20.52	22.00
		1	49	20.47	20.61	20.56	22.00
		25	0	19.56	19.42	19.62	21.00
		25	13	19.55	19.35	19.63	21.00
		25	25	19.58	19.44	19.48	21.00
		50	0	19.58	19.50	19.58	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	23.69	23.49	23.39	25.00
		1	38	23.37	23.56	23.44	25.00
		1	74	23.55	23.42	23.63	25.00
		36	0	22.53	22.48	22.63	24.00
		36	18	22.47	22.44	22.63	24.00
		36	39	22.52	22.40	22.59	24.00
		75	0	22.55	22.54	22.52	24.00
	16QAM	1	0	22.50	22.49	22.54	24.00
		1	38	22.38	22.56	22.48	24.00
		1	74	22.55	22.56	22.53	24.00
		36	0	21.41	21.67	21.55	23.00
		36	18	21.35	21.60	21.44	23.00
		36	39	21.47	21.60	21.56	23.00
		75	0	21.46	21.46	21.50	23.00
	64QAM	1	0	21.50	21.70	21.35	23.00
		1	38	21.59	21.49	21.55	23.00
		1	74	21.52	21.47	21.46	23.00
		36	0	20.48	20.48	20.65	22.00
		36	18	20.52	20.47	20.51	22.00
		36	39	20.47	20.43	20.50	22.00
		75	0	20.70	20.42	20.62	22.00
	256QAM	1	0	20.45	20.45	20.49	22.00
		1	38	20.47	20.40	20.44	22.00
		1	74	20.48	20.67	20.53	22.00
		36	0	19.53	19.34	19.48	21.00
		36	18	19.45	19.38	19.54	21.00
		36	39	19.48	19.52	19.47	21.00
		75	0	19.55	19.46	19.53	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.70	23.79	23.65	25.00
		1	50	23.36	23.59	23.48	25.00
		1	99	23.59	23.56	23.46	25.00
		50	0	22.54	22.58	22.55	24.00
		50	25	22.38	22.60	22.53	24.00
		50	50	22.51	22.40	22.46	24.00
		100	0	22.36	22.42	22.39	24.00



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	16QAM	1	0	22.41	22.42	22.54	24.00
		1	50	22.46	22.52	22.62	24.00
		1	99	22.64	22.52	22.56	24.00
		50	0	21.45	21.52	21.60	23.00
		50	25	21.32	21.53	21.47	23.00
		50	50	21.43	21.53	21.50	23.00
		100	0	21.48	21.34	21.64	23.00
	64QAM	1	0	21.53	21.66	21.34	23.00
		1	50	21.49	21.61	21.66	23.00
		1	99	21.43	21.60	21.63	23.00
		50	0	20.45	20.54	20.57	22.00
		50	25	20.38	20.51	20.63	22.00
		50	50	20.48	20.56	20.48	22.00
		100	0	20.54	20.45	20.47	22.00
	256QAM	1	0	20.48	20.53	20.50	22.00
		1	50	20.56	20.52	20.58	22.00
		1	99	20.65	20.64	20.56	22.00
		50	0	19.61	19.39	19.68	21.00
		50	25	19.45	19.50	19.60	21.00
		50	50	19.47	19.51	19.56	21.00
		100	0	19.67	19.44	19.71	21.00

LTE Band 66 State3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	18.39	18.38	18.35	20.00
		1	2	18.26	18.26	18.38	20.00
		1	5	18.28	18.29	18.23	20.00
		3	0	18.20	18.18	18.22	20.00
		3	1	18.21	18.38	18.41	20.00
		3	3	18.37	18.30	18.23	20.00
		6	0	18.28	18.33	18.26	20.00
	16QAM	1	0	18.33	18.30	18.37	20.00
		1	2	18.32	18.31	18.40	20.00
		1	5	18.34	18.34	18.21	20.00
		3	0	18.30	18.40	18.32	20.00
		3	1	18.40	18.34	18.37	20.00
		3	3	18.22	18.30	18.31	20.00
		6	0	18.31	18.18	18.29	20.00
	64QAM	1	0	18.28	18.42	18.21	20.00
		1	2	18.30	18.32	18.22	20.00
		1	5	18.42	18.35	18.34	20.00
		3	0	18.27	18.30	18.26	20.00
		3	1	18.24	18.24	18.41	20.00



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		3	3	18.38	18.24	18.24	20.00
		6	0	18.40	18.21	18.23	20.00
	256QAM	1	0	18.29	18.29	18.23	20.00
		1	2	18.24	18.23	18.21	20.00
		1	5	18.28	18.37	18.26	20.00
		3	0	18.30	18.40	18.40	20.00
		3	1	18.40	18.35	18.25	20.00
		3	3	18.41	18.21	18.18	20.00
		6	0	18.31	18.25	18.30	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	18.56	18.49	18.43	20.00
		1	7	18.44	18.70	18.40	20.00
		1	14	18.54	18.47	18.53	20.00
		8	0	18.45	18.51	18.44	20.00
		8	4	18.42	18.41	18.53	20.00
		8	7	18.40	18.34	18.59	20.00
		15	0	18.50	18.44	18.43	20.00
	16QAM	1	0	18.47	18.43	18.55	20.00
		1	7	18.51	18.46	18.43	20.00
		1	14	18.58	18.48	18.43	20.00
		8	0	18.38	18.50	18.43	20.00
		8	4	18.44	18.54	18.40	20.00
		8	7	18.34	18.54	18.55	20.00
		15	0	18.59	18.47	18.62	20.00
	64QAM	1	0	18.62	18.53	18.45	20.00
		1	7	18.58	18.42	18.47	20.00
		1	14	18.37	18.46	18.45	20.00
		8	0	18.38	18.41	18.45	20.00
		8	4	18.55	18.43	18.49	20.00
		8	7	18.58	18.53	18.39	20.00
		15	0	18.61	18.36	18.59	20.00
	256QAM	1	0	18.37	18.54	18.36	20.00
		1	7	18.62	18.28	18.54	20.00
		1	14	18.57	18.60	18.49	20.00
		8	0	18.36	18.38	18.57	20.00
		8	4	18.44	18.29	18.57	20.00
		8	7	18.52	18.51	18.52	20.00
		15	0	18.59	18.43	18.64	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	18.61	18.63	18.46	20.00
		1	13	18.35	18.69	18.51	20.00
		1	24	18.51	18.47	18.46	20.00
		12	0	18.54	18.33	18.42	20.00



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		12	6	18.50	18.37	18.47	20.00
		12	13	18.43	18.31	18.43	20.00
		25	0	18.47	18.51	18.41	20.00
	16QAM	1	0	18.53	18.29	18.39	20.00
		1	13	18.33	18.46	18.60	20.00
		1	24	18.53	18.62	18.48	20.00
		12	0	18.46	18.52	18.56	20.00
		12	6	18.32	18.57	18.37	20.00
		12	13	18.40	18.58	18.46	20.00
		25	0	18.56	18.40	18.58	20.00
	64QAM	1	0	18.59	18.58	18.38	20.00
		1	13	18.58	18.58	18.55	20.00
		1	24	18.36	18.63	18.51	20.00
		12	0	18.33	18.42	18.55	20.00
		12	6	18.40	18.38	18.58	20.00
		12	13	18.60	18.50	18.35	20.00
		25	0	18.61	18.45	18.60	20.00
	256QAM	1	0	18.46	18.39	18.49	20.00
		1	13	18.44	18.42	18.46	20.00
		1	24	18.52	18.60	18.46	20.00
		12	0	18.52	18.35	18.46	20.00
		12	6	18.45	18.28	18.52	20.00
		12	13	18.53	18.39	18.47	20.00
		25	0	18.67	18.48	18.55	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	18.62	18.51	18.41	20.00
		1	25	18.41	18.63	18.45	20.00
		1	49	18.63	18.47	18.52	20.00
		25	0	18.47	18.51	18.40	20.00
		25	13	18.49	18.36	18.58	20.00
		25	25	18.29	18.26	18.52	20.00
		50	0	18.51	18.35	18.41	20.00
	16QAM	1	0	18.40	18.34	18.40	20.00
		1	25	18.42	18.52	18.43	20.00
		1	49	18.66	18.49	18.47	20.00
		25	0	18.32	18.50	18.43	20.00
		25	13	18.37	18.50	18.52	20.00
		25	25	18.37	18.54	18.46	20.00
		50	0	18.42	18.28	18.42	20.00
	64QAM	1	0	18.42	18.51	18.41	20.00
		1	25	18.48	18.40	18.57	20.00
		1	49	18.45	18.53	18.55	20.00
		25	0	18.33	18.30	18.43	20.00
		25	13	18.49	18.47	18.48	20.00



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		25	25	18.51	18.40	18.47	20.00
		50	0	18.57	18.45	18.45	20.00
	256QAM	1	0	18.44	18.58	18.58	20.00
		1	25	18.65	18.46	18.49	20.00
		1	49	18.43	18.58	18.52	20.00
		25	0	18.53	18.39	18.59	20.00
		25	13	18.52	18.30	18.60	20.00
		25	25	18.56	18.40	18.46	20.00
		50	0	18.56	18.45	18.55	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	18.66	18.46	18.35	20.00
		1	38	18.35	18.50	18.39	20.00
		1	74	18.50	18.36	18.57	20.00
		36	0	18.47	18.43	18.58	20.00
		36	18	18.41	18.38	18.57	20.00
		36	39	18.49	18.34	18.58	20.00
		75	0	18.54	18.50	18.50	20.00
	16QAM	1	0	18.49	18.44	18.52	20.00
		1	38	18.32	18.54	18.47	20.00
		1	74	18.50	18.52	18.47	20.00
		36	0	18.39	18.65	18.52	20.00
		36	18	18.30	18.57	18.38	20.00
		36	39	18.42	18.58	18.51	20.00
		75	0	18.43	18.40	18.47	20.00
	64QAM	1	0	18.48	18.68	18.33	20.00
		1	38	18.54	18.46	18.53	20.00
		1	74	18.48	18.44	18.44	20.00
		36	0	18.45	18.44	18.63	20.00
		36	18	18.50	18.42	18.48	20.00
		36	39	18.43	18.38	18.48	20.00
		75	0	18.69	18.40	18.56	20.00
	256QAM	1	0	18.41	18.40	18.45	20.00
		1	38	18.43	18.38	18.42	20.00
		1	74	18.43	18.61	18.49	20.00
		36	0	18.48	18.31	18.45	20.00
		36	18	18.42	18.34	18.53	20.00
		36	39	18.44	18.49	18.43	20.00
		75	0	18.51	18.40	18.48	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	18.64	18.71	18.59	20.00
		1	50	18.35	18.54	18.47	20.00
		1	99	18.54	18.54	18.43	20.00
		50	0	18.51	18.54	18.53	20.00



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		50	25	18.36	18.59	18.52	20.00
		50	50	18.46	18.38	18.45	20.00
		100	0	18.33	18.38	18.36	20.00
	16QAM	1	0	18.37	18.41	18.51	20.00
		1	50	18.42	18.47	18.58	20.00
		1	99	18.59	18.49	18.55	20.00
		50	0	18.39	18.46	18.55	20.00
		50	25	18.26	18.51	18.42	20.00
		50	50	18.41	18.48	18.44	20.00
		100	0	18.47	18.31	18.59	20.00
	64QAM	1	0	18.49	18.63	18.31	20.00
		1	50	18.47	18.58	18.64	20.00
		1	99	18.40	18.57	18.62	20.00
		50	0	18.39	18.49	18.52	20.00
		50	25	18.32	18.49	18.57	20.00
		50	50	18.46	18.51	18.46	20.00
		100	0	18.48	18.44	18.45	20.00
	256QAM	1	0	18.42	18.50	18.48	20.00
		1	50	18.51	18.46	18.55	20.00
		1	99	18.61	18.62	18.50	20.00
		50	0	18.57	18.34	18.62	20.00
		50	25	18.41	18.48	18.56	20.00
		50	50	18.42	18.45	18.51	20.00
		100	0	18.62	18.42	18.68	20.00

LTE Band 66 State3 (UL CA 7 ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	15.38	15.37	15.34	17.00
		1	2	15.25	15.25	15.35	17.00
		1	5	15.27	15.27	15.21	17.00
		3	0	15.19	15.16	15.20	17.00
		3	1	15.18	15.38	15.41	17.00
		3	3	15.37	15.28	15.23	17.00
		6	0	15.26	15.31	15.24	17.00
	16QAM	1	0	15.31	15.29	15.35	17.00
		1	2	15.31	15.29	15.40	17.00
		1	5	15.33	15.32	15.20	17.00
		3	0	15.28	15.40	15.29	17.00
		3	1	15.38	15.32	15.35	17.00
		3	3	15.21	15.28	15.28	17.00
		6	0	15.30	15.15	15.26	17.00
	64QAM	1	0	15.26	15.41	15.21	17.00
		1	2	15.29	15.32	15.20	17.00



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		1	5	15.39	15.33	15.34	17.00
		3	0	15.25	15.30	15.24	17.00
		3	1	15.22	15.23	15.39	17.00
		3	3	15.36	15.24	15.24	17.00
		6	0	15.38	15.20	15.21	17.00
	256QAM	1	0	15.27	15.29	15.20	17.00
		1	2	15.21	15.23	15.19	17.00
		1	5	15.26	15.36	15.25	17.00
		3	0	15.30	15.39	15.40	17.00
		3	1	15.40	15.33	15.23	17.00
		3	3	15.40	15.20	15.15	17.00
		6	0	15.28	15.24	15.27	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	15.54	15.46	15.41	17.00
		1	7	15.41	15.68	15.40	17.00
		1	14	15.54	15.47	15.52	17.00
		8	0	15.45	15.50	15.44	17.00
		8	4	15.40	15.40	15.51	17.00
		8	7	15.38	15.34	15.58	17.00
		15	0	15.49	15.43	15.41	17.00
	16QAM	1	0	15.46	15.41	15.55	17.00
		1	7	15.50	15.44	15.42	17.00
		1	14	15.58	15.48	15.41	17.00
		8	0	15.36	15.49	15.41	17.00
		8	4	15.42	15.54	15.38	17.00
		8	7	15.33	15.54	15.53	17.00
		15	0	15.56	15.44	15.62	17.00
	64QAM	1	0	15.59	15.52	15.45	17.00
		1	7	15.56	15.42	15.46	17.00
		1	14	15.36	15.45	15.42	17.00
		8	0	15.37	15.39	15.42	17.00
		8	4	15.55	15.42	15.47	17.00
		8	7	15.57	15.52	15.36	17.00
		15	0	15.59	15.34	15.57	17.00
	256QAM	1	0	15.36	15.52	15.35	17.00
		1	7	15.62	15.26	15.53	17.00
		1	14	15.55	15.60	15.49	17.00
		8	0	15.34	15.36	15.55	17.00
		8	4	15.43	15.26	15.55	17.00
		8	7	15.52	15.49	15.51	17.00
		15	0	15.59	15.40	15.64	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	15.61	15.63	15.46	17.00



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		1	13	15.34	15.69	15.51	17.00
		1	24	15.50	15.45	15.46	17.00
		12	0	15.51	15.31	15.40	17.00
		12	6	15.50	15.34	15.46	17.00
		12	13	15.40	15.29	15.42	17.00
		25	0	15.47	15.48	15.39	17.00
	16QAM	1	0	15.52	15.26	15.38	17.00
		1	13	15.31	15.45	15.59	17.00
		1	24	15.53	15.60	15.45	17.00
		12	0	15.45	15.50	15.54	17.00
		12	6	15.32	15.54	15.36	17.00
		12	13	15.39	15.56	15.46	17.00
		25	0	15.53	15.39	15.57	17.00
	64QAM	1	0	15.59	15.57	15.37	17.00
		1	13	15.57	15.56	15.52	17.00
		1	24	15.33	15.63	15.48	17.00
		12	0	15.33	15.41	15.53	17.00
		12	6	15.38	15.36	15.55	17.00
		12	13	15.59	15.47	15.33	17.00
		25	0	15.59	15.44	15.58	17.00
	256QAM	1	0	15.43	15.36	15.49	17.00
		1	13	15.43	15.42	15.44	17.00
		1	24	15.52	15.58	15.45	17.00
		12	0	15.49	15.34	15.44	17.00
		12	6	15.44	15.25	15.52	17.00
		12	13	15.50	15.39	15.45	17.00
		25	0	15.65	15.48	15.53	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	15.62	15.51	15.38	17.00
		1	25	15.40	15.60	15.43	17.00
		1	49	15.62	15.44	15.51	17.00
		25	0	15.45	15.49	15.39	17.00
		25	13	15.48	15.35	15.55	17.00
		25	25	15.28	15.23	15.50	17.00
		50	0	15.50	15.33	15.40	17.00
	16QAM	1	0	15.39	15.32	15.38	17.00
		1	25	15.40	15.50	15.42	17.00
		1	49	15.63	15.48	15.45	17.00
		25	0	15.31	15.49	15.43	17.00
		25	13	15.35	15.49	15.50	17.00
		25	25	15.34	15.51	15.44	17.00
		50	0	15.41	15.25	15.42	17.00
	64QAM	1	0	15.40	15.50	15.40	17.00
		1	25	15.48	15.40	15.56	17.00



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		1	49	15.43	15.50	15.54	17.00
		25	0	15.33	15.29	15.42	17.00
		25	13	15.47	15.45	15.46	17.00
		25	25	15.49	15.39	15.45	17.00
		50	0	15.56	15.43	15.43	17.00
	256QAM	1	0	15.43	15.57	15.56	17.00
		1	25	15.65	15.44	15.48	17.00
		1	49	15.40	15.56	15.50	17.00
		25	0	15.52	15.39	15.57	17.00
		25	13	15.52	15.28	15.59	17.00
		25	25	15.54	15.39	15.45	17.00
		50	0	15.53	15.43	15.53	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	15.64	15.45	15.33	17.00
		1	38	15.35	15.50	15.38	17.00
		1	74	15.50	15.35	15.56	17.00
		36	0	15.46	15.41	15.57	17.00
		36	18	15.39	15.38	15.55	17.00
		36	39	15.47	15.32	15.57	17.00
		75	0	15.53	15.48	15.48	17.00
	16QAM	1	0	15.47	15.41	15.51	17.00
		1	38	15.31	15.53	15.46	17.00
		1	74	15.48	15.50	15.46	17.00
		36	0	15.38	15.64	15.50	17.00
		36	18	15.29	15.55	15.37	17.00
		36	39	15.41	15.56	15.50	17.00
		75	0	15.42	15.40	15.46	17.00
	64QAM	1	0	15.48	15.67	15.30	17.00
		1	38	15.53	15.46	15.51	17.00
		1	74	15.48	15.41	15.44	17.00
		36	0	15.45	15.44	15.62	17.00
		36	18	15.50	15.41	15.48	17.00
		36	39	15.42	15.36	15.45	17.00
		75	0	15.66	15.38	15.56	17.00
	256QAM	1	0	15.40	15.39	15.43	17.00
		1	38	15.41	15.36	15.42	17.00
		1	74	15.41	15.60	15.48	17.00
		36	0	15.47	15.30	15.42	17.00
		36	18	15.39	15.34	15.52	17.00
		36	39	15.42	15.49	15.40	17.00
		75	0	15.48	15.40	15.46	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	15.62	15.70	15.58	17.00



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		1	50	15.34	15.51	15.46	17.00
		1	99	15.53	15.51	15.43	17.00
		50	0	15.50	15.52	15.51	17.00
		50	25	15.33	15.56	15.51	17.00
		50	50	15.45	15.35	15.42	17.00
		100	0	15.33	15.38	15.35	17.00
	16QAM	1	0	15.34	15.41	15.51	17.00
		1	50	15.40	15.45	15.57	17.00
		1	99	15.57	15.47	15.55	17.00
		50	0	15.39	15.43	15.52	17.00
		50	25	15.25	15.51	15.41	17.00
		50	50	15.39	15.47	15.44	17.00
		100	0	15.46	15.29	15.58	17.00
	64QAM	1	0	15.47	15.63	15.30	17.00
		1	50	15.46	15.57	15.62	17.00
		1	99	15.39	15.55	15.60	17.00
		50	0	15.39	15.47	15.51	17.00
		50	25	15.31	15.47	15.54	17.00
		50	50	15.44	15.50	15.44	17.00
		100	0	15.45	15.44	15.44	17.00
	256QAM	1	0	15.42	15.50	15.48	17.00
		1	50	15.49	15.45	15.53	17.00
		1	99	15.60	15.62	15.50	17.00
		50	0	15.57	15.32	15.60	17.00
		50	25	15.40	15.46	15.55	17.00
		50	50	15.40	15.45	15.49	17.00
		100	0	15.60	15.40	15.66	17.00

LTE Band 66 State4 (UL CA & ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	19.87	19.90	19.87	21.50
		1	2	19.76	19.77	19.88	21.50
		1	5	19.79	19.81	19.74	21.50
		3	0	19.74	19.71	19.77	21.50
		3	1	19.71	19.88	19.90	21.50
		3	3	19.87	19.82	19.75	21.50
		6	0	19.76	19.84	19.78	21.50
	16QAM	1	0	19.81	19.82	19.89	21.50
		1	2	19.84	19.84	19.92	21.50
		1	5	19.82	19.86	19.74	21.50
		3	0	19.81	19.90	19.83	21.50
		3	1	19.90	19.84	19.88	21.50
		3	3	19.71	19.80	19.84	21.50



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	64QAM	6	0	19.81	19.72	19.81	21.50
		1	0	19.83	19.92	19.72	21.50
		1	2	19.85	19.87	19.76	21.50
		1	5	19.92	19.88	19.83	21.50
		3	0	19.81	19.84	19.78	21.50
		3	1	19.78	19.77	19.91	21.50
		3	3	19.89	19.75	19.76	21.50
		6	0	19.89	19.76	19.73	21.50
	256QAM	1	0	19.81	19.80	19.77	21.50
		1	2	19.77	19.74	19.76	21.50
		1	5	19.82	19.85	19.79	21.50
		3	0	19.80	19.90	19.88	21.50
		3	1	19.94	19.84	19.76	21.50
		3	3	19.92	19.74	19.73	21.50
		6	0	19.31	19.28	19.31	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	20.11	19.99	19.97	21.50
		1	7	19.94	20.21	19.94	21.50
		1	14	20.04	19.99	20.06	21.50
		8	0	19.98	20.04	19.99	21.50
		8	4	19.96	19.91	20.06	21.50
		8	7	19.91	19.84	20.11	21.50
		15	0	20.04	19.98	19.95	21.50
	16QAM	1	0	19.96	19.92	20.06	21.50
		1	7	20.02	19.96	19.96	21.50
		1	14	20.10	20.04	19.97	21.50
		8	0	19.92	20.00	19.97	21.50
		8	4	19.92	20.06	19.94	21.50
		8	7	19.88	20.06	20.10	21.50
		15	0	20.10	19.96	20.11	21.50
	64QAM	1	0	20.12	20.07	20.00	21.50
		1	7	20.11	19.95	19.98	21.50
		1	14	19.89	20.02	19.98	21.50
		8	0	19.87	19.92	19.94	21.50
		8	4	20.05	19.97	19.99	21.50
		8	7	20.09	20.06	19.87	21.50
		15	0	20.15	19.88	20.09	21.50
	256QAM	1	0	19.88	20.06	19.87	21.50
		1	7	20.16	19.79	20.05	21.50
		1	14	20.11	20.15	20.04	21.50
		8	0	19.38	19.39	19.57	21.00
		8	4	19.44	19.29	19.61	21.00
		8	7	19.53	19.53	19.52	21.00
		15	0	19.60	19.46	19.67	21.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	20.12	20.14	19.97	21.50
		1	13	19.86	20.19	20.02	21.50
		1	24	20.05	19.98	20.01	21.50
		12	0	20.08	19.87	19.93	21.50
		12	6	20.02	19.91	20.01	21.50
		12	13	19.96	19.86	19.95	21.50
		25	0	19.99	20.04	19.90	21.50
	16QAM	1	0	20.01	19.85	19.93	21.50
		1	13	19.86	19.97	20.10	21.50
		1	24	20.05	20.13	20.00	21.50
		12	0	19.96	20.01	20.07	21.50
		12	6	19.84	20.08	19.90	21.50
		12	13	19.91	20.09	19.99	21.50
		25	0	20.08	19.94	20.09	21.50
	64QAM	1	0	20.11	20.09	19.94	21.50
		1	13	20.10	20.07	20.05	21.50
		1	24	19.85	20.13	20.01	21.50
		12	0	19.85	19.91	20.09	21.50
		12	6	19.96	19.88	20.11	21.50
		12	13	20.10	20.04	19.87	21.50
		25	0	20.10	19.97	20.12	21.50
	256QAM	1	0	19.98	19.89	20.05	21.50
		1	13	19.95	19.92	19.99	21.50
		1	24	20.03	20.09	19.98	21.50
		12	0	19.55	19.37	19.46	21.00
		12	6	19.46	19.30	19.55	21.00
		12	13	19.57	19.42	19.48	21.00
		25	0	19.69	19.53	19.58	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	20.16	20.05	19.92	21.50
		1	25	19.94	20.17	20.00	21.50
		1	49	20.18	19.98	20.02	21.50
		25	0	19.99	20.03	19.94	21.50
		25	13	19.98	19.89	20.11	21.50
		25	25	19.85	19.79	20.02	21.50
		50	0	20.03	19.89	19.93	21.50
	16QAM	1	0	19.91	19.86	19.91	21.50
		1	25	19.96	20.05	19.97	21.50
		1	49	20.15	20.02	19.99	21.50
		25	0	19.87	20.03	19.94	21.50
		25	13	19.89	20.01	20.04	21.50
		25	25	19.89	20.08	19.96	21.50



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	64QAM	50	0	19.94	19.81	19.96	21.50
		1	0	19.91	20.01	19.91	21.50
		1	25	19.99	19.91	20.08	21.50
		1	49	19.97	20.03	20.07	21.50
		25	0	19.86	19.85	19.96	21.50
		25	13	20.03	19.98	20.01	21.50
		25	25	20.00	19.92	20.01	21.50
		50	0	20.07	19.94	19.97	21.50
	256QAM	1	0	19.98	20.08	20.09	21.50
		1	25	20.16	20.00	20.01	21.50
		1	49	19.95	20.08	20.05	21.50
		25	0	19.55	19.42	19.60	21.00
		25	13	19.53	19.32	19.62	21.00
		25	25	19.57	19.44	19.46	21.00
		50	0	19.57	19.48	19.56	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	20.18	19.97	19.88	21.50
		1	38	19.86	20.04	19.92	21.50
		1	74	20.02	19.89	20.10	21.50
		36	0	20.01	19.97	20.13	21.50
		36	18	19.97	19.91	20.12	21.50
		36	39	20.01	19.88	20.08	21.50
		75	0	20.03	20.02	20.01	21.50
	16QAM	1	0	19.98	19.98	20.02	21.50
		1	38	19.86	20.05	19.96	21.50
		1	74	20.04	20.03	20.00	21.50
		36	0	19.88	20.16	20.04	21.50
		36	18	19.83	20.08	19.94	21.50
		36	39	19.97	20.08	20.03	21.50
		75	0	19.96	19.95	19.99	21.50
	64QAM	1	0	20.00	20.18	19.84	21.50
		1	38	20.09	19.98	20.05	21.50
		1	74	20.00	19.96	19.94	21.50
		36	0	19.97	19.97	20.13	21.50
		36	18	20.00	19.95	20.00	21.50
		36	39	19.94	19.91	19.97	21.50
		75	0	20.20	19.90	20.11	21.50
	256QAM	1	0	19.92	19.94	19.96	21.50
		1	38	19.96	19.89	19.94	21.50
		1	74	19.97	20.16	20.03	21.50
		36	0	19.51	19.33	19.46	21.00
		36	18	19.44	19.37	19.52	21.00
		36	39	19.46	19.49	19.46	21.00
		75	0	19.54	19.44	19.50	21.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	20.20	20.26	20.13	21.50
		1	50	19.83	20.09	19.95	21.50
		1	99	20.08	20.03	19.95	21.50
		50	0	20.03	20.07	20.04	21.50
		50	25	19.88	20.08	20.01	21.50
		50	50	19.99	19.90	19.95	21.50
		100	0	19.86	19.92	19.86	21.50
	16QAM	1	0	19.89	19.91	20.02	21.50
		1	50	19.95	19.99	20.09	21.50
		1	99	20.11	20.01	20.03	21.50
		50	0	19.95	20.02	20.07	21.50
		50	25	19.80	20.02	19.96	21.50
		50	50	19.91	20.02	19.97	21.50
		100	0	19.96	19.83	20.12	21.50
	64QAM	1	0	20.03	20.16	19.82	21.50
		1	50	19.98	20.10	20.15	21.50
		1	99	19.92	20.09	20.13	21.50
		50	0	19.94	20.02	20.06	21.50
		50	25	19.87	19.99	20.12	21.50
		50	50	19.97	20.04	19.97	21.50
		100	0	20.02	19.94	19.94	21.50
	256QAM	1	0	19.95	20.01	19.99	21.50
		1	50	20.06	20.01	20.08	21.50
		1	99	20.13	20.14	20.06	21.50
		50	0	19.60	19.36	19.65	21.00
		50	25	19.43	19.47	19.57	21.00
		50	50	19.44	19.50	19.56	21.00
		100	0	19.64	19.42	19.70	21.00

3. Conducted Power of LTE UL_CA

CA_5B Ant0 State0&1&3&4										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20501	20600	QPSK	1	0	1	49	2	0	24.22	25.00

CA_66C State0&1&4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	2	0	23.68	25.00
132322	132124	QPSK	1	99	1	0	2	0	23.74	25.00
132572	132374	QPSK	1	0	1	99	2	0	23.61	25.00

CA_66C State3										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	2	0	18.61	20.00
132322	132124	QPSK	1	99	1	0	2	0	18.69	20.00
132572	132374	QPSK	1	0	1	99	2	0	18.54	20.00

CA_66B State0&1&4										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132165	QPSK	1	74	1	0	2	0	23.69	25.00
132322	132229	QPSK	1	74	1	0	2	0	23.73	25.00
132572	132479	QPSK	1	0	1	24	2	0	23.60	25.00

CA_66B State3										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132165	QPSK	1	74	1	0	2	0	18.59	20.00
132322	132229	QPSK	1	74	1	0	2	0	18.67	20.00
132572	132479	QPSK	1	0	1	24	2	0	18.54	20.00

4. Conducted Power of LTE DL_CA

CA List	PCC								SCC1				Power	
	LTE	Ant	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band		(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-5A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	23.42	23.58
	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	24.23	24.26
CA_2A-12A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	23.50	23.58
	Band 12	0	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	24.01	24.11
CA_2A-14A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 14	10M	763	5330	23.54	23.58
	Band 14	0	10M	793	23230	QPSK	1	0	Band 2	20M	1960	900	24.03	24.15
CA_2A-17A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 17	10M	740	5790	23.43	23.58
	Band 17	0	10M	710	23790	QPSK	1	0	Band 2	20M	1960	900	24.11	24.16
CA_2A-30A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	23.52	23.58
	Band 30	3	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	23.79	23.83
CA_2A-66A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 66	20M	2145	66786	23.46	23.58
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	23.63	23.79
CA_4A-5A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.85	23.93
	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	24.20	24.26
CA_4A-12A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	23.88	23.93
	Band 12	0	10M	707.5	23095	QPSK	1	0	Band 4	20M	2132.5	2175	24.00	24.11
CA_4A-17A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	23.77	23.93
	Band 17	0	10M	710	23790	QPSK	1	0	Band 4	20M	2132.5	2175	24.03	24.16
CA_4A-30A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	23.78	23.93
	Band 30	3	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	23.78	23.83
CA_5B	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 5	5M	891.5	2625	24.19	24.26
CA_5A-30A	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	24.13	24.26
	Band 30	3	10M	2310	27710	QPSK	1	0	Band 5	5M	891.5	2625	23.75	23.83
CA_5A-66A	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 66	20M	2145	66786	24.13	24.26
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	23.74	23.79
CA_12A-30A	Band 12	0	10M	707.5	23095	QPSK	1	0	Band 30	10M	2355	9820	24.00	24.11
	Band 30	3	10M	2310	27710	QPSK	1	0	Band 12	5M	743.5	5155	23.68	23.83
CA_12A-66A	Band 12	0	10M	707.5	23095	QPSK	1	0	Band 66	20M	2145	66786	24.05	24.11
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	23.71	23.79
CA_14A-30A	Band 14	0	10M	793	23230	QPSK	1	0	Band 30	10M	2355	9820	24.09	24.15
	Band 30	3	10M	2310	27710	QPSK	1	0	Band 14	10M	763	5330	23.70	23.83
CA_14A-66A	Band 14	0	10M	793	23230	QPSK	1	0	Band 66	20M	2145	66786	24.08	24.15
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 14	10M	763	5330	23.72	23.79
CA_30A-66A	Band 30	3	10M	2310	27710	QPSK	1	0	Band 66	20M	2145	66786	23.77	23.83
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 30	10M	2355	9820	23.63	23.79
CA_66B	Band 66	3	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	23.71	23.79
CA_66C	Band 66	3	20M	1745	132322	QPSK	1	0	Band 66	20M	2164.8	66984	23.65	23.79
CA_66A-66A	Band 66	3	20M	1745	132322	QPSK	1	0	Band 66	5M	2177.5	67111	23.67	23.79



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5. Conducted Power of 5G NR

Ant0:

N5_15kHz State0&1&3&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
				/	836.5	/	
20MHz	DFT-s-OFDM QPSK	1	1	/	24.36	/	25.00
		1	53	/	24.17	/	25.00
		1	104	/	24.27	/	25.00
		50	0	/	23.31	/	24.00
		50	28	/	24.28	/	25.00
		50	56	/	23.24	/	24.00
		100	0	/	23.23	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	22.81	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
20MHz	CP-OFDM QPSK	1	1	/	22.74	/	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
15MHz	DFT-s-OFDM QPSK	1	1	/	24.22	/	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
10MHz	DFT-s-OFDM QPSK	1	1	24.22	24.24	24.15	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	24.16	24.18	24.10	25.00



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Ant1:

N2_ 15kHz State0&1&3&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM QPSK	1	1	23.55	23.60	23.55	25.00
		1	53	23.45	23.54	23.49	25.00
		1	104	23.47	23.50	23.47	25.00
		50	0	22.46	22.52	22.48	24.00
		50	28	23.54	23.58	23.55	25.00
		50	56	22.36	22.46	22.35	24.00
		100	0	22.39	22.47	22.43	24.00
	DFT-s-OFDM 16QAM	1	1	22.21	22.01	22.04	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	22.15	22.05	22.00	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	23.41	23.54	23.64	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	23.45	23.51	23.62	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	23.40	23.58	23.63	25.00

N66_ 15kHz State0&1&3&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
				/	1745	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	23.63	/	25.00
		1	108	/	23.60	/	25.00
		1	214	/	23.57	/	25.00
		108	0	/	22.82	/	24.00
		108	54	/	23.62	/	25.00
		108	108	/	22.46	/	24.00
		216	0	/	22.53	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	22.26	/	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
40MHz	CP-OFDM QPSK	1	1	/	22.14	/	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	23.58	23.73	23.68	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	23.65	23.63	23.63	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	23.57	23.67	23.67	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	23.58	23.73	23.72	25.00

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Ant3:

N2_15kHz State0				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM QPSK	1	1	23.84	23.89	23.86	25.00
		1	53	23.74	23.87	23.83	25.00
		1	104	23.81	23.87	23.76	25.00
		50	0	22.81	22.89	22.83	24.00
		50	28	23.76	23.82	23.69	25.00
		50	56	22.92	22.85	22.80	24.00
		100	0	22.66	22.63	22.88	24.00
	DFT-s-OFDM 16QAM	1	1	22.35	22.34	22.30	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	22.18	22.12	22.37	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	23.81	23.65	23.72	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	23.84	23.70	23.71	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	23.85	23.67	23.67	25.00

N2_15kHz State3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM QPSK	1	1	18.36	18.44	18.31	19.50
		1	53	18.19	18.33	18.29	19.50
		1	104	18.29	18.31	18.23	19.50
		50	0	18.24	18.27	18.18	19.50
		50	28	18.29	18.34	18.25	19.50
		50	56	18.24	18.30	18.21	19.50
		100	0	18.12	18.28	18.22	19.50
	DFT-s-OFDM 16QAM	1	1	18.21	18.23	18.16	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	16.63	16.58	16.85	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	18.28	18.13	18.20	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	18.29	18.15	18.18	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	



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5MHz	DFT-s-OFDM QPSK	1	1	18.32	18.11	18.11	19.50
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N2_15kHz State1&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM QPSK	1	1	22.28	22.35	22.32	23.50
		1	53	22.21	22.34	22.22	23.50
		1	104	22.23	22.33	22.22	23.50
		50	0	22.11	22.16	22.12	23.50
		50	28	22.24	22.29	22.23	23.50
		50	56	22.14	22.22	22.17	23.50
		100	0	22.14	22.21	22.15	23.50
	DFT-s-OFDM 16QAM	1	1	22.34	22.33	22.29	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	20.66	20.59	20.84	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	22.31	22.13	22.13	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	22.33	22.14	22.16	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	22.34	22.14	22.16	23.50

N2_15kHz State3 (ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM QPSK	1	1	15.33	15.43	15.29	16.50
		1	53	15.17	15.33	15.27	16.50
		1	104	15.28	15.30	15.20	16.50
		50	0	15.22	15.27	15.16	16.50
		50	28	15.28	15.32	15.25	16.50
		50	56	15.22	15.28	15.20	16.50
		100	0	15.09	15.27	15.20	16.50
	DFT-s-OFDM 16QAM	1	1	15.19	15.21	15.15	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	13.62	13.55	13.85	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	15.27	15.13	15.18	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	15.27	15.13	15.15	16.50

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	15.32	15.10	15.08	16.50

N2_15kHz State1 (ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM QPSK	1	1	19.26	19.12	19.14	20.50
		1	53	19.02	19.11	19.12	20.50
		1	104	19.03	19.11	19.19	20.50
		50	0	18.87	18.99	18.89	20.50
		50	28	19.19	19.20	19.12	20.50
		50	56	19.00	19.02	19.14	20.50
		100	0	19.03	19.04	19.11	20.50
	DFT-s-OFDM 16QAM	1	1	19.25	19.24	19.13	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	17.59	17.40	17.73	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	19.25	18.96	18.95	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	19.18	18.94	18.99	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	19.24	18.86	19.01	20.50

N2_15kHz State4 (ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM QPSK	1	1	19.77	19.84	19.82	21.00
		1	53	19.70	19.82	19.70	21.00
		1	104	19.71	19.80	19.72	21.00
		50	0	19.58	19.64	19.61	21.00
		50	28	19.73	19.76	19.71	21.00
		50	56	19.63	19.70	19.64	21.00
		100	0	19.62	19.69	19.63	21.00
	DFT-s-OFDM 16QAM	1	1	19.84	19.81	19.76	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	18.14	18.07	18.32	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	19.78	19.62	19.63	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	



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10MHz	DFT-s-OFDM QPSK	1	1	19.80	19.63	19.66	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 370500	Channel 376000	Channel 381500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	19.82	19.64	19.65	21.00

N30 State0				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
				/	2310	/	
	DFT-s-OFDM QPSK	1	1		23.77		24.50
		1	26		23.58		24.50
		1	50		23.69		24.50
		25	0		22.71		23.50
		25	14		23.75		24.50
		25	27		22.66		23.50
		50	0		22.60		23.50
	DFT-s-OFDM 16QAM	1	1		22.26		23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
10MHz	CP-OFDM QPSK	1	1		21.06		22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				461500	462000	462500	
5MHz	DFT-s-OFDM QPSK	1	1	23.41	23.52	23.47	24.50

N30 State3				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
				/	2310	/	
	DFT-s-OFDM QPSK	1	1		17.73		18.50
		1	26		17.52		18.50
		1	50		17.71		18.50
		25	0		17.68		18.50
		25	14		17.69		18.50
		25	27		17.61		18.50
	50	0		17.59		18.50	
	DFT-s-OFDM 16QAM	1	1		17.44		18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
10MHz	CP-OFDM QPSK	1	1		15.02		16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				461500	462000	462500	
5MHz	DFT-s-OFDM QPSK	1	1	17.43	17.47	17.41	18.50

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N30 State1&4				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
				/	2310	/	
	DFT-s-OFDM QPSK	1	1		21.26		22.00
		1	26		21.04		22.00
		1	50		21.16		22.00
		25	0		21.19		22.00
		25	14		21.23		22.00
		25	27		21.13		22.00
		50	0		21.07		22.00
	DFT-s-OFDM 16QAM	1	1		21.22		22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
10MHz	CP-OFDM QPSK	1	1		18.52		19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				461500	462000	462500	
5MHz	DFT-s-OFDM QPSK	1	1	20.87	21.00	20.94	22.00

N30 State3 (ENDC)				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
				/	2310	/	
	DFT-s-OFDM QPSK	1	1		15.22		16.00
		1	26		15.00		16.00
		1	50		15.18		16.00
		25	0		15.16		16.00
		25	14		15.18		16.00
		25	27		15.10		16.00
	50	0		15.06		16.00	
	DFT-s-OFDM 16QAM	1	1		14.93		16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
10MHz	CP-OFDM QPSK	1	1		12.50		13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				461500	462000	462500	
5MHz	DFT-s-OFDM QPSK	1	1	14.93	14.97	14.91	16.00

N30 State1 (ENDC)				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
				/	2310	/	
	DFT-s-OFDM QPSK	1	1		19.25		20.00
		1	26		19.02		20.00
		1	50		19.14		20.00
		25	0		19.17		20.00
		25	14		19.22		20.00
		25	27		19.13		20.00



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		50	0		19.05		20.00
	DFT-s-OFDM 16QAM	1	1		19.19		20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
10MHz	CP-OFDM QPSK	1	1		16.49		17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				461500	462000	462500	
5MHz	DFT-s-OFDM QPSK	1	1	18.84	18.98	18.94	20.00

N30 State4 (ENDC)				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
				/	2310	/	
	DFT-s-OFDM QPSK	1	1		19.71		19.50
		1	26		19.70		19.50
		1	50		19.67		19.50
		25	0		19.40		19.50
		25	14		19.68		19.50
		25	27		19.40		19.50
	50	0		19.25		19.50	
	DFT-s-OFDM 16QAM	1	1		19.68		19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	462000	/	
10MHz	CP-OFDM QPSK	1	1		16.78		17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				461500	462000	462500	
5MHz	DFT-s-OFDM QPSK	1	1	19.47	19.33	19.14	19.50

N66_15kHz State0&1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
				/	1745	/	
	DFT-s-OFDM QPSK	1	1	/	23.87	/	25.00
		1	108	/	23.55	/	25.00
		1	214	/	23.68	/	25.00
		108	0	/	22.80	/	24.00
		108	54	/	23.86	/	25.00
		108	108	/	22.81	/	24.00
		216	0	/	22.55	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	22.28	/	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
40MHz	CP-OFDM QPSK	1	1	/	21.55	/	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	23.63	23.76	23.58	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	



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15MHz	DFT-s-OFDM QPSK	1	1	23.65	23.80	23.52	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 343000	Channel 349000	Channel 355000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	23.56	23.70	23.52	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 342500	Channel 349000	Channel 355500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	23.63	23.77	23.54	25.00

N66_15kHz State3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
				/	1745	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	18.85	/	20.00
		1	108	/	18.52	/	20.00
		1	214	/	18.65	/	20.00
		108	0	/	18.75	/	20.00
		108	54	/	18.83	/	20.00
		108	108	/	18.79	/	20.00
		216	0	/	18.52	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	18.76	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
40MHz	CP-OFDM QPSK	1	1	/	16.53	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	18.61	18.72	18.55	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	18.60	18.78	18.49	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	18.51	18.68	18.48	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	18.62	18.74	18.52	20.00

N66_15kHz State4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
				/	1745	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	22.86	/	24.00
		1	108	/	22.52	/	24.00
		1	214	/	22.65	/	24.00
		108	0	/	22.77	/	24.00
		108	54	/	22.84	/	24.00
		108	108	/	22.79	/	24.00
		216	0	/	22.51	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	22.27	/	23.50

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
40MHz	CP-OFDM QPSK	1	1	/	20.51	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	22.61	22.74	22.55	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	22.63	22.76	22.48	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	22.53	22.69	22.50	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	22.61	22.76	22.53	24.00

N66_15kHz State3 (ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
				/	1745	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	16.33	/	17.50
		1	108	/	16.01	/	17.50
		1	214	/	16.15	/	17.50
		108	0	/	16.23	/	17.50
		108	54	/	16.30	/	17.50
		108	108	/	16.27	/	17.50
		216	0	/	16.00	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	16.25	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
40MHz	CP-OFDM QPSK	1	1	/	14.02	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	16.10	16.19	16.05	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	16.07	16.25	15.97	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	16.00	16.17	15.98	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	16.11	16.22	16.01	17.50

N66_15kHz State4(ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	

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				/	1745	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	19.84	/	21.00
		1	108	/	19.49	/	21.00
		1	214	/	19.64	/	21.00
		108	0	/	19.75	/	21.00
		108	54	/	19.83	/	21.00
		108	108	/	19.76	/	21.00
		216	0	/	19.51	/	21.00
	DFT-s-OFDM 16QAM	1	1	/	19.45	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
40MHz	CP-OFDM QPSK	1	1	/	17.79	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	19.61	19.73	19.55	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	19.63	19.74	19.47	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	19.51	19.66	19.48	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	19.60	19.74	19.51	21.00

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N77 PC2_30kHz State0				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	26.47	/	27.50
		1	137	/	26.33	/	27.50
		1	271	/	26.27	/	27.50
		135	0	/	25.36	/	26.50
		135	69	/	26.41	/	27.50
		135	138	/	25.20	/	26.50
		270	0	/	25.15	/	26.50
	DFT-s-OFDM 16QAM	1	1	/	24.74	/	26.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	24.65	/	26.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	26.00	/	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	26.06	/	27.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	25.99	/	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	26.08	/	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	26.08	/	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	26.22	26.05	26.16	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	26.21	26.03	26.14	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	26.19	26.03	26.15	27.50

N77 PC2_30kHz State3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	17.94	/	19.00
		1	137	/	17.80	/	19.00
		1	271	/	17.75	/	19.00
		135	0	/	17.85	/	19.00
		135	69	/	17.90	/	19.00
		135	138	/	17.68	/	19.00
		270	0	/	17.62	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	17.72	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	16.14	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	17.47	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	17.48	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	17.48	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	17.47	/	19.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	17.46	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	17.68	17.52	17.61	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	17.67	17.50	17.60	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	17.68	17.48	17.63	19.00

N77 PC2_30kHz State1&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	21.42	/	22.50
		1	137	/	21.30	/	22.50
		1	271	/	21.21	/	22.50
		135	0	/	21.33	/	22.50
		135	69	/	21.36	/	22.50
		135	138	/	21.18	/	22.50
		270	0	/	21.13	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.20	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	19.60	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	20.97	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	21.02	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	20.94	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	21.04	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	21.04	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.17	21.02	21.12	22.50



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Bandwidth	Modulation	RB size	RB offset	Channel 630501	Channel 633334	Channel 636167	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	21.20	20.99	21.13	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636334	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	21.15	21.01	21.11	22.50

N77 PC2_30kHz State3 (ENDC)				ConducANed Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	DFT-s-OFDM QPSK	1	1	/	633334	/	16.00
		1	137	/	14.94	/	16.00
		1	271	/	14.79	/	16.00
		135	0	/	14.75	/	16.00
		135	69	/	14.83	/	16.00
		135	138	/	14.88	/	16.00
		270	0	/	14.67	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	14.61	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	/	633334	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	/	633334	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	/	633334	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	/	633334	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	/	633334	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	630501	633334	636167	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	630334	633334	636334	16.00

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N77 PC2_30kHz State4 (ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	18.91	/	20.00
		1	137	/	18.79	/	20.00
		1	271	/	18.71	/	20.00
		135	0	/	18.80	/	20.00
		135	69	/	18.84	/	20.00
		135	138	/	18.67	/	20.00
		270	0	/	18.60	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	18.68	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	17.07	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	18.46	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	18.52	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	18.42	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	18.52	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	18.53	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	18.66	18.50	18.60	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	18.68	18.48	18.62	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	18.63	18.50	18.61	20.00

N77 PC2_15kHz State0				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	26.45	/	27.50
		1	135	/	26.02	/	27.50
		1	268	/	26.24	/	27.50
		135	0	/	25.35	/	26.50



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		135	67	/	26.38	/	27.50
		135	135	/	25.18	/	26.50
		270	0	/	25.13	/	26.50
	DFT-s-OFDM 16QAM	1	1	/	24.72	/	26.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	CP-OFDM QPSK	1	1	/	24.53	/	26.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	26.03	/	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	26.18	26.01	26.12	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	26.19	26.03	26.14	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	26.20	26.04	26.13	27.50

N77 PC2_15kHz State3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	17.93	/	19.00
		1	135	/	17.49	/	19.00
		1	268	/	17.71	/	19.00
		135	0	/	17.84	/	19.00
		135	67	/	17.84	/	19.00
		135	135	/	17.63	/	19.00
		270	0	/	17.61	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	17.70	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	CP-OFDM QPSK	1	1	/	16.00	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	17.49	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	17.66	17.50	17.58	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	17.64	17.51	17.62	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	



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10MHz	DFT-s-OFDM QPSK	1	1	17.64	17.50	17.58	19.00
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N77 PC2_15kHz State1&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	21.41	/	22.50
		1	135	/	20.97	/	22.50
		1	268	/	21.22	/	22.50
		135	0	/	21.30	/	22.50
		135	67	/	21.35	/	22.50
		135	135	/	21.16	/	22.50
		270	0	/	21.08	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.20	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	CP-OFDM QPSK	1	1	/	19.51	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	21.00	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.12	20.96	21.06	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	21.15	21.01	21.08	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	21.15	21.01	21.10	22.50

N77 PC2_15kHz State3 (ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	14.93	/	16.00
		1	135	/	14.48	/	16.00
		1	268	/	14.70	/	16.00
		135	0	/	14.82	/	16.00
		135	67	/	14.83	/	16.00
		135	135	/	14.62	/	16.00
		270	0	/	14.59	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	14.70	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	CP-OFDM QPSK	1	1	/	12.99	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	14.49	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	14.65	14.49	14.56	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	14.63	14.49	14.62	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	14.63	14.50	14.57	16.00

N77 PC2_15kHz State4 (ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	18.89	/	20.00
		1	135	/	18.44	/	20.00
		1	268	/	18.71	/	20.00
		135	0	/	18.78	/	20.00
		135	67	/	18.84	/	20.00
		135	135	/	18.64	/	20.00
		270	0	/	18.55	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	18.70	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	CP-OFDM QPSK	1	1	/	17.01	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	18.49	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	18.59	18.43	18.55	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	18.65	18.49	18.57	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	18.65	18.49	18.58	20.00

N77 PC2_30kHz State0				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	656000	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	26.68	/	27.50
		1	137	/	26.31	/	27.50
		1	271	/	26.47	/	27.50
		135	0	/	25.70	/	26.50
		135	69	/	26.63	/	27.50
		135	138	/	25.53	/	26.50
		270	0	/	25.50	/	26.50
	DFT-s-OFDM 16QAM	1	1	/	25.00	/	26.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	656000	/	
100MHz	CP-OFDM QPSK	1	1	/	24.91	/	26.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	656000	662332	
90MHz	DFT-s-OFDM QPSK	1	1	26.50	26.36	26.47	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	26.48	26.36	26.49	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	656000	663332	
60MHz	DFT-s-OFDM QPSK	1	1	26.49	26.38	26.48	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	DFT-s-OFDM QPSK	1	1	26.53	26.35	26.42	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	26.55	26.34	26.51	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	656000	664666	
20MHz	DFT-s-OFDM QPSK	1	1	26.59	26.39	26.53	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647168	656000	664832	
15MHz	DFT-s-OFDM QPSK	1	1	26.56	26.33	26.47	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	656000	665000	
10MHz	DFT-s-OFDM QPSK	1	1	26.55	26.32	26.48	27.50

N77 PC2_30kHz State3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	656000	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	18.15	/	19.00
		1	137	/	17.80	/	19.00
		1	271	/	17.91	/	19.00
		135	0	/	18.11	/	19.00
		135	69	/	18.14	/	19.00
		135	138	/	17.99	/	19.00
		270	0	/	17.95	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	17.97	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	656000	/	
100MHz	CP-OFDM QPSK	1	1	/	16.40	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	656000	662332	
90MHz	DFT-s-OFDM QPSK	1	1	17.96	17.84	17.93	19.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	17.94	17.84	17.93	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	656000	663332	
60MHz	DFT-s-OFDM QPSK	1	1	17.93	17.82	17.94	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	DFT-s-OFDM QPSK	1	1	17.96	17.83	17.97	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	17.93	17.81	17.94	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	656000	664666	
20MHz	DFT-s-OFDM QPSK	1	1	17.93	17.80	17.97	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647168	656000	664832	
15MHz	DFT-s-OFDM QPSK	1	1	17.96	17.81	17.94	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	656000	665000	
10MHz	DFT-s-OFDM QPSK	1	1	17.92	17.84	17.95	19.00

N77 PC2_30kHz State1&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	656000	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	21.67	/	22.50
		1	137	/	21.28	/	22.50
		1	271	/	21.46	/	22.50
		135	0	/	21.63	/	22.50
		135	69	/	21.60	/	22.50
		135	138	/	21.48	/	22.50
		270	0	/	21.47	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.47	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	656000	/	
100MHz	CP-OFDM QPSK	1	1	/	19.86	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	656000	662332	
90MHz	DFT-s-OFDM QPSK	1	1	21.46	21.30	21.41	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	21.45	21.33	21.45	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	656000	663332	
60MHz	DFT-s-OFDM QPSK	1	1	21.44	21.33	21.44	22.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	DFT-s-OFDM QPSK	1	1	21.49	21.34	21.41	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	21.52	21.29	21.47	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	656000	664666	
20MHz	DFT-s-OFDM QPSK	1	1	21.56	21.37	21.49	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647168	656000	664832	
15MHz	DFT-s-OFDM QPSK	1	1	21.50	21.31	21.44	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	656000	665000	
10MHz	DFT-s-OFDM QPSK	1	1	21.50	21.28	21.45	22.50

N77 PC2_30kHz State3 (ENDC)				ConducANed Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	656000	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	15.14	/	16.00
		1	137	/	14.80	/	16.00
		1	271	/	14.89	/	16.00
		135	0	/	15.11	/	16.00
		135	69	/	15.12	/	16.00
		135	138	/	14.98	/	16.00
		270	0	/	14.93	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	14.96	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	656000	/	
100MHz	CP-OFDM QPSK	1	1	/	13.39	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	656000	662332	
90MHz	DFT-s-OFDM QPSK	1	1	14.94	14.82	14.92	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	14.93	14.82	14.92	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	656000	663332	
60MHz	DFT-s-OFDM QPSK	1	1	14.92	14.80	14.93	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	DFT-s-OFDM QPSK	1	1	14.95	14.81	14.97	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	14.91	14.79	14.92	16.00



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Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	14.92	14.79	14.96	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	14.95	14.79	14.92	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	14.91	14.83	14.94	16.00

N77 PC2_30kHz State4 (ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 656000	Channel /	Tune up
100MHz	DFT-s-OFDM QPSK	1	1	/	19.17	/	20.00
		1	137	/	18.75	/	20.00
		1	271	/	18.96	/	20.00
		135	0	/	19.11	/	20.00
		135	69	/	19.09	/	20.00
		135	138	/	18.97	/	20.00
		270	0	/	18.94	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	18.97	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 656000	Channel /	Tune up
100MHz	CP-OFDM QPSK	1	1	/	17.34	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 656000	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	18.94	18.78	18.89	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 656000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	18.93	18.83	18.94	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 656000	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	18.91	18.81	18.92	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	18.97	18.84	18.90	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	19.00	18.76	18.97	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	19.06	18.85	18.97	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	18.99	18.80	18.92	20.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	656000	665000	
10MHz	DFT-s-OFDM QPSK	1	1	18.99	18.78	18.95	20.00

N77 PC2_15kHz State0				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	DFT-s-OFDM QPSK	1	1	26.57	26.65	26.51	27.50
		1	137	26.55	26.52	26.49	27.50
		1	271	26.54	26.64	26.50	27.50
		135	0	25.44	25.62	25.43	26.50
		135	69	26.55	26.62	26.49	27.50
		135	138	25.34	25.42	25.41	26.50
		270	0	25.44	25.54	25.47	26.50
	DFT-s-OFDM 16QAM	1	1	25.06	24.82	24.99	26.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	CP-OFDM QPSK	1	1	25.07	24.87	24.99	26.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	26.57	26.36	26.52	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	656000	664666	
20MHz	DFT-s-OFDM QPSK	1	1	26.56	26.35	26.52	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647168	656000	664832	
15MHz	DFT-s-OFDM QPSK	1	1	26.57	26.38	26.50	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	656000	665000	
10MHz	DFT-s-OFDM QPSK	1	1	26.58	26.35	26.49	27.50

N77 PC2_15kHz State3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	DFT-s-OFDM QPSK	1	1	18.04	18.13	17.99	19.00
		1	137	17.99	18.01	17.94	19.00
		1	271	17.99	18.12	17.97	19.00
		135	0	17.90	18.08	17.90	19.00
		135	69	18.00	18.07	17.97	19.00
		135	138	17.82	17.87	17.86	19.00
		270	0	17.89	18.00	17.94	19.00
	DFT-s-OFDM 16QAM	1	1	18.04	17.79	17.96	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	CP-OFDM QPSK	1	1	16.54	16.36	16.45	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	



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40MHz	DFT-s-OFDM QPSK	1	1	18.06	17.81	17.98	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	18.03	17.81	17.97	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	18.03	17.86	17.98	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	18.06	17.83	17.95	19.00

N77 PC2_15kHz State1&4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	21.56	21.63	21.46	22.50
		1	137	21.53	21.49	21.44	22.50
		1	271	21.51	21.58	21.48	22.50
		135	0	21.41	21.58	21.40	22.50
		135	69	21.54	21.61	21.47	22.50
		135	138	21.32	21.38	21.36	22.50
		270	0	21.42	21.52	21.41	22.50
	DFT-s-OFDM 16QAM	1	1	21.51	21.29	21.47	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	CP-OFDM QPSK	1	1	20.06	19.84	19.96	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	21.56	21.33	21.49	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	21.52	21.33	21.47	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	21.54	21.35	21.46	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	21.56	21.30	21.48	22.50

N77 PC2_15kHz State3 (ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	15.03	15.11	14.97	16.00
		1	137	14.97	15.00	14.93	16.00
		1	271	14.98	15.12	14.96	16.00
		135	0	14.89	15.07	14.89	16.00
		135	69	14.99	15.05	14.97	16.00
		135	138	14.81	14.86	14.85	16.00



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		270	0	14.88	14.99	14.92	16.00
	DFT-s-OFDM 16QAM	1	1	15.03	14.78	14.96	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	CP-OFDM QPSK	1	1	13.53	13.36	13.44	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	15.05	14.81	14.96	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	15.02	14.80	14.95	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	15.03	14.84	14.96	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	15.04	14.81	14.95	16.00

N77 PC2_15kHz State4 (ENDC)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	19.05	19.13	18.94	20.00
		1	137	19.01	18.96	18.94	20.00
		1	271	19.01	19.06	18.96	20.00
		135	0	18.90	19.08	18.89	20.00
		135	69	19.02	19.10	18.94	20.00
		135	138	18.81	18.87	18.86	20.00
	DFT-s-OFDM 16QAM	270	0	18.89	19.01	18.90	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	CP-OFDM QPSK	1	1	17.53	17.32	17.46	18.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	19.04	18.81	18.98	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	19.00	18.81	18.96	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	19.01	18.84	18.96	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	19.05	18.79	18.98	20.00



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6. Conducted Power of WIFI2.4G

WIFI 2.4G Ant5 Full Power					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	18.21	19.50
	6	2437		18.38	19.50
	11	2462		18.02	19.50
802.11g	1	2412	6	16.80	18.50
	6	2437		16.94	18.50
	11	2462		16.65	18.50
802.11n HT20	1	2412	6.5	16.63	18.50
	6	2437		16.75	18.50
	11	2462		16.72	18.50

WIFI 2.4G Ant5 Head Standalone					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	17.19	18.50
	6	2437		17.36	18.50
	11	2462		17.00	18.50
802.11g	1	2412	6	16.80	18.50
	6	2437		16.94	18.50
	11	2462		16.65	18.50
802.11n HT20	1	2412	6.5	16.63	18.50
	6	2437		16.75	18.50
	11	2462		16.72	18.50

WIFI 2.4G Ant5 Head Simultaneous					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	15.18	16.50
	6	2437		15.34	16.50
	11	2462		14.98	16.50
802.11g	1	2412	6	14.79	16.50
	6	2437		14.94	16.50
	11	2462		14.63	16.50
802.11n HT20	1	2412	6.5	14.61	16.50
	6	2437		14.74	16.50
	11	2462		14.71	16.50



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7. Conducted Power of WIFI5G

WIFI 5G Ant5 Full Power Body-worn Standalone Extremity Standalone					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	17.83	19.50
		40	5200	17.96	19.50
		44	5220	18.18	19.50
		48	5240	18.29	19.50
	802.11n HT20	36	5180	16.02	17.50
		40	5200	15.82	17.50
		44	5220	15.87	17.50
		48	5240	15.81	17.50
	802.11n HT40	38	5190	14.68	16.50
		46	5230	14.57	16.50
	802.11ac VHT20	36	5180	16.19	17.50
		40	5200	15.75	17.50
		44	5220	15.69	17.50
		48	5240	15.65	17.50
	802.11ac VHT40	38	5190	14.80	16.50
		46	5230	14.70	16.50
	802.11ac VHT80	42	5210	14.62	16.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	18.09	19.50
		56	5280	18.07	19.50
		60	5300	17.91	19.50
		64	5320	18.23	19.50
	802.11n HT20	52	5260	16.02	17.50
		56	5280	16.21	17.50
		60	5300	16.10	17.50
		64	5320	16.03	17.50
	802.11n HT40	54	5270	14.63	16.50
		62	5310	14.53	16.50
	802.11ac VHT20	52	5260	16.28	17.50
		56	5280	16.14	17.50
		60	5300	16.14	17.50
		64	5320	16.29	17.50
	802.11ac VHT40	54	5270	14.84	16.50
		62	5310	15.01	16.50
	802.11ac VHT80	58	5290	14.92	16.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	17.76	19.50
		104	5520	17.73	19.50
		108	5540	17.80	19.50
		112	5560	17.71	19.50
		116	5580	17.99	19.50
		132	5660	17.74	19.50
		136	5680	17.77	19.50



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	802.11n HT20	140	5700	17.62	19.50
		100	5500	16.26	17.50
		104	5520	16.27	17.50
		108	5540	16.29	17.50
		112	5560	16.22	17.50
		116	5580	16.36	17.50
		132	5660	16.20	17.50
		136	5680	16.24	17.50
		140	5700	16.17	17.50
	802.11n HT40	102	5510	15.02	16.50
		110	5550	14.76	16.50
		118	5590	14.82	16.50
		134	5670	14.97	16.50
	802.11ac VHT20	100	5500	16.19	17.50
		104	5520	15.97	17.50
		108	5540	15.95	17.50
		112	5560	15.96	17.50
		116	5580	16.21	17.50
		132	5660	16.02	17.50
		136	5680	16.08	17.50
		140	5700	16.12	17.50
	802.11ac VHT40	102	5510	14.74	16.50
		110	5550	14.50	16.50
		118	5590	14.94	16.50
		134	5670	14.83	16.50
	802.11ac VHT80	106	5530	14.78	16.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	17.59	19.50
		153	5765	17.75	19.50
		157	5785	17.88	19.50
		161	5805	17.63	19.50
		165	5825	17.52	19.50
	802.11n HT20	149	5745	15.93	17.50
		153	5765	16.03	17.50
		157	5785	16.21	17.50
		161	5805	15.92	17.50
		165	5825	15.64	17.50
	802.11n HT40	151	5755	14.96	16.50
		159	5795	14.90	16.50
	802.11ac VHT20	149	5745	15.68	17.50
		153	5765	15.85	17.50
		157	5785	16.06	17.50
		161	5805	15.89	17.50
		165	5825	15.81	17.50
	802.11ac VHT40	151	5755	14.78	16.50
		159	5795	14.64	16.50
	802.11ac VHT80	155	5775	14.75	16.50



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WIFI 5G Ant5 Head Standalone					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	14.38	15.50
		40	5200	14.53	15.50
		44	5220	14.75	15.50
		48	5240	14.88	15.50
	802.11n HT20	36	5180	14.59	15.50
		40	5200	14.41	15.50
		44	5220	14.43	15.50
		48	5240	14.39	15.50
	802.11n HT40	38	5190	14.26	15.50
		46	5230	14.17	15.50
	802.11ac VHT20	36	5180	14.77	15.50
		40	5200	14.33	15.50
		44	5220	14.26	15.50
		48	5240	14.22	15.50
	802.11ac VHT40	38	5190	14.39	15.50
		46	5230	14.29	15.50
	802.11ac VHT80	42	5210	14.20	15.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	14.28	15.50
		56	5280	14.26	15.50
		60	5300	14.09	15.50
		64	5320	14.41	15.50
	802.11n HT20	52	5260	14.21	15.50
		56	5280	14.41	15.50
		60	5300	14.28	15.50
		64	5320	14.19	15.50
	802.11n HT40	54	5270	13.83	15.50
		62	5310	13.70	15.50
	802.11ac VHT20	52	5260	14.45	15.50
		56	5280	14.30	15.50
		60	5300	14.30	15.50
		64	5320	14.47	15.50
	802.11ac VHT40	54	5270	14.04	15.50
		62	5310	14.21	15.50
	802.11ac VHT80	58	5290	14.37	15.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	15.73	17.50
		104	5520	15.70	17.50
		108	5540	15.79	17.50
		112	5560	15.70	17.50
		116	5580	15.96	17.50
		132	5660	15.74	17.50
		136	5680	15.72	17.50
		140	5700	15.61	17.50
	802.11n	100	5500	16.26	17.50



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	HT20	104	5520	16.27	17.50
		108	5540	16.29	17.50
		112	5560	16.22	17.50
		116	5580	16.36	17.50
		132	5660	16.20	17.50
		136	5680	16.24	17.50
		140	5700	16.17	17.50
	802.11n HT40	102	5510	15.02	16.50
		110	5550	14.76	16.50
		118	5590	14.82	16.50
		134	5670	14.97	16.50
	802.11ac VHT20	100	5500	16.19	17.50
		104	5520	15.97	17.50
		108	5540	15.95	17.50
		112	5560	15.96	17.50
		116	5580	16.21	17.50
		132	5660	16.02	17.50
		136	5680	16.08	17.50
		140	5700	16.12	17.50
	802.11ac VHT40	102	5510	14.74	16.50
		110	5550	14.50	16.50
		118	5590	14.94	16.50
		134	5670	14.83	16.50
	802.11ac VHT80	106	5530	14.78	16.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	15.07	17.00
		153	5765	15.21	17.00
		157	5785	15.35	17.00
		161	5805	15.11	17.00
		165	5825	15.08	17.00
	802.11n HT20	149	5745	15.42	17.00
		153	5765	15.52	17.00
		157	5785	15.71	17.00
		161	5805	15.39	17.00
		165	5825	15.09	17.00
	802.11n HT40	151	5755	14.96	16.50
		159	5795	14.90	16.50
	802.11ac VHT20	149	5745	15.17	17.00
		153	5765	15.32	17.00
		157	5785	15.52	17.00
		161	5805	15.38	17.00
		165	5825	15.28	17.00
	802.11ac VHT40	151	5755	14.78	16.50
		159	5795	14.64	16.50
	802.11ac VHT80	155	5775	14.75	16.50



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5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	11.37	12.50
		40	5200	11.50	12.50
		44	5220	11.73	12.50
		48	5240	11.87	12.50
	802.11n HT20	36	5180	11.59	12.50
		40	5200	11.41	12.50
		44	5220	11.43	12.50
		48	5240	11.36	12.50
	802.11n HT40	38	5190	11.25	12.50
		46	5230	11.14	12.50
	802.11ac VHT20	36	5180	11.76	12.50
		40	5200	11.31	12.50
		44	5220	11.24	12.50
		48	5240	11.21	12.50
	802.11ac VHT40	38	5190	11.36	12.50
		46	5230	11.26	12.50
	802.11ac VHT80	42	5210	11.17	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	11.26	12.50
		56	5280	11.24	12.50
		60	5300	11.06	12.50
		64	5320	11.39	12.50
	802.11n HT20	52	5260	11.18	12.50
		56	5280	11.40	12.50
		60	5300	11.27	12.50
		64	5320	11.19	12.50
	802.11n HT40	54	5270	10.83	12.50
		62	5310	10.68	12.50
	802.11ac VHT20	52	5260	11.45	12.50
		56	5280	11.28	12.50
		60	5300	11.28	12.50
		64	5320	11.45	12.50
	802.11ac VHT40	54	5270	11.02	12.50
		62	5310	11.19	12.50
	802.11ac VHT80	58	5290	11.34	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	12.71	14.50
		104	5520	12.70	14.50
		108	5540	12.77	14.50
		112	5560	12.68	14.50
		116	5580	12.95	14.50
		132	5660	12.71	14.50
		136	5680	12.69	14.50
		140	5700	12.58	14.50
	802.11n	100	5500	13.24	14.50



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	HT20	104	5520	13.26	14.50
		108	5540	13.28	14.50
		112	5560	13.20	14.50
		116	5580	13.35	14.50
		132	5660	13.19	14.50
		136	5680	13.21	14.50
		140	5700	13.16	14.50
	802.11n HT40	102	5510	13.01	14.50
		110	5550	12.74	14.50
		118	5590	12.80	14.50
		134	5670	12.94	14.50
	802.11ac VHT20	100	5500	13.16	14.50
		104	5520	12.96	14.50
		108	5540	12.95	14.50
		112	5560	12.95	14.50
		116	5580	13.19	14.50
		132	5660	12.99	14.50
		136	5680	13.08	14.50
		140	5700	13.09	14.50
	802.11ac VHT40	102	5510	12.71	14.50
		110	5550	12.57	14.50
		118	5590	12.93	14.50
		134	5670	12.82	14.50
	802.11ac VHT80	106	5530	12.76	14.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	12.06	14.00
		153	5765	12.21	14.00
		157	5785	12.35	14.00
		161	5805	12.11	14.00
		165	5825	12.06	14.00
	802.11n HT20	149	5745	12.40	14.00
		153	5765	12.50	14.00
		157	5785	12.70	14.00
		161	5805	12.36	14.00
		165	5825	12.08	14.00
	802.11n HT40	151	5755	12.45	14.00
		159	5795	12.37	14.00
	802.11ac VHT20	149	5745	12.17	14.00
		153	5765	12.31	14.00
		157	5785	12.52	14.00
		161	5805	12.36	14.00
		165	5825	12.27	14.00
	802.11ac VHT40	151	5755	12.27	14.00
		159	5795	12.13	14.00
	802.11ac VHT80	155	5775	12.24	14.00



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WIFI 5G Ant5 Body-worn Simultaneous Extremity Simultaneous					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	16.31	18.00
		40	5200	16.45	18.00
		44	5220	16.65	18.00
		48	5240	16.77	18.00
	802.11n HT20	36	5180	16.02	17.50
		40	5200	15.82	17.50
		44	5220	15.87	17.50
		48	5240	15.81	17.50
	802.11n HT40	38	5190	14.68	16.50
		46	5230	14.57	16.50
	802.11ac VHT20	36	5180	16.19	17.50
		40	5200	15.75	17.50
		44	5220	15.69	17.50
		48	5240	15.65	17.50
	802.11ac VHT40	38	5190	14.80	16.50
		46	5230	14.70	16.50
	802.11ac VHT80	42	5210	14.62	16.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	16.56	18.00
		56	5280	16.57	18.00
		60	5300	16.41	18.00
		64	5320	16.72	18.00
	802.11n HT20	52	5260	16.02	17.50
		56	5280	16.21	17.50
		60	5300	16.10	17.50
		64	5320	16.03	17.50
	802.11n HT40	54	5270	14.63	16.50
		62	5310	14.53	16.50
	802.11ac VHT20	52	5260	16.28	17.50
		56	5280	16.14	17.50
		60	5300	16.14	17.50
		64	5320	16.29	17.50
	802.11ac VHT40	54	5270	14.84	16.50
		62	5310	15.01	16.50
	802.11ac VHT80	58	5290	14.92	16.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	15.75	17.50
		104	5520	15.70	17.50
		108	5540	15.79	17.50
		112	5560	15.71	17.50
		116	5580	15.97	17.50
		132	5660	15.74	17.50
		136	5680	15.75	17.50
		140	5700	15.61	17.50



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	802.11n HT20	100	5500	16.26	17.50
		104	5520	16.27	17.50
		108	5540	16.29	17.50
		112	5560	16.22	17.50
		116	5580	16.36	17.50
		132	5660	16.20	17.50
		136	5680	16.24	17.50
		140	5700	16.17	17.50
	802.11n HT40	102	5510	15.02	16.50
		110	5550	14.76	16.50
		118	5590	14.82	16.50
		134	5670	14.97	16.50
	802.11ac VHT20	100	5500	16.19	17.50
		104	5520	15.97	17.50
		108	5540	15.95	17.50
		112	5560	15.96	17.50
		116	5580	16.21	17.50
		132	5660	16.02	17.50
		136	5680	16.08	17.50
		140	5700	16.12	17.50
	802.11ac VHT40	102	5510	14.74	16.50
		110	5550	14.50	16.50
		118	5590	14.94	16.50
		134	5670	14.83	16.50
	802.11ac VHT80	106	5530	14.78	16.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	14.56	16.50
		153	5765	14.74	16.50
		157	5785	14.86	16.50
		161	5805	14.63	16.50
		165	5825	14.52	16.50
	802.11n HT20	149	5745	15.93	16.50
		153	5765	16.03	16.50
		157	5785	16.21	16.50
		161	5805	15.92	16.50
		165	5825	15.64	16.50
	802.11n HT40	151	5755	14.96	16.50
		159	5795	14.90	16.50
	802.11ac VHT20	149	5745	15.68	16.50
		153	5765	15.85	16.50
		157	5785	16.06	16.50
		161	5805	15.89	16.50
		165	5825	15.81	16.50
	802.11ac VHT40	151	5755	14.78	16.50
		159	5795	14.64	16.50
	802.11ac VHT80	155	5775	14.75	16.50



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WIFI 5G Ant5 Hotspot					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	12.81	14.50
		40	5200	12.94	14.50
		44	5220	13.17	14.50
		48	5240	13.28	14.50
	802.11n HT20	36	5180	13.02	14.50
		40	5200	12.81	14.50
		44	5220	12.85	14.50
		48	5240	12.79	14.50
	802.11n HT40	38	5190	12.65	14.50
		46	5230	12.55	14.50
	802.11ac VHT20	36	5180	13.19	14.50
		40	5200	12.75	14.50
		44	5220	12.67	14.50
		48	5240	12.63	14.50
	802.11ac VHT40	38	5190	12.78	14.50
		46	5230	12.69	14.50
	802.11ac VHT80	42	5210	12.61	14.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260		
		56	5280		
		60	5300		
		64	5320		
	802.11n HT20	52	5260		
		56	5280		
		60	5300		
		64	5320		
	802.11n HT40	54	5270		
		62	5310		
	802.11ac VHT20	52	5260		
		56	5280		
		60	5300		
		64	5320		
	802.11ac VHT40	54	5270		
		62	5310		
	802.11ac VHT80	58	5290		
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500		
		104	5520		
		108	5540		
		112	5560		
		116	5580		
		132	5660		
		136	5680		
		140	5700		
	802.11n	100	5500		



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	HT20	104	5520		
		108	5540		
		112	5560		
		116	5580		
		132	5660		
		136	5680		
		140	5700		
	802.11n HT40	102	5510		
		110	5550		
		118	5590		
		134	5670		
	802.11ac VHT20	100	5500		
		104	5520		
		108	5540		
		112	5560		
		116	5580		
		132	5660		
		136	5680		
		140	5700		
	802.11ac VHT40	102	5510		
		110	5550		
		118	5590		
		134	5670		
	802.11ac VHT80	106	5530		
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	15.08	17.00
		153	5765	15.25	17.00
		157	5785	15.38	17.00
		161	5805	15.11	17.00
		165	5825	15.09	17.00
	802.11n HT20	149	5745	15.41	17.00
		153	5765	15.50	17.00
		157	5785	15.70	17.00
		161	5805	15.40	17.00
		165	5825	15.12	17.00
	802.11n HT40	151	5755	14.96	16.50
		159	5795	14.90	16.50
	802.11ac VHT20	149	5745	15.15	17.00
		153	5765	15.32	17.00
		157	5785	15.55	17.00
		161	5805	15.36	17.00
		165	5825	15.29	17.00
	802.11ac VHT40	151	5755	14.78	16.50
		159	5795	14.64	16.50
	802.11ac VHT80	155	5775	14.75	16.50



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8. Conducted Power of Bluetooth

BT Ant5		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	9.56	8.96	9.49	11.50
	$\pi/4$ DQPSK	7.90	7.42	7.96	8.50
	8DPSK	7.24	7.59	7.36	8.50
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	-3.00	-2.95	-3.66	-1.50
BLE 2M	GFSK	-2.91	-2.93	-3.43	-1.50

- End of the Appendix -