

Appendix E

Conducted RF Output Power

Measurement of RF Conducted Power
1. Conducted Power of GSM
2. Conducted Power of WCDMA
3. Conducted Power of LTE
4. Conducted Power of 5G NR
5. Conducted Power of Intra Band LTE Uplink CA
6. Conducted Power of LTE DL_CA
7. Conducted Power of WIFI2.4G
8. Conducted Power of WIFI5G
9. Conducted Power of Bluetooth

Note:

State:	Trigger Conditions	Antenna No.
State1	Receiver off	All WWAN Ant
State4	Receiver on	All WWAN Ant
State7	Receiver off + WLAN	All WWAN Ant
State10	Receiver on + WLAN	All WWAN Ant

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1. Conducted Power of GSM

Ant0:

GSM 850 State1/4/7/10										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GSM(GMSK)	GSM	32.92	32.91	32.85	34.00	-9.19	23.73	23.72	23.66	24.81
GPRS (GMSK)	1 TX Slot	32.85	32.89	32.86	34.00	-9.19	23.66	23.70	23.67	24.81
	2 TX Slots	29.80	29.85	29.81	31.00	-6.18	23.62	23.67	23.63	24.82
	3 TX Slots	27.92	27.78	27.88	29.00	-4.42	23.50	23.36	23.46	24.58
	4 TX Slots	26.83	26.89	26.81	28.00	-3.17	23.66	23.72	23.64	24.83
EGPRS (GMSK)	1 TX Slot	32.89	32.93	32.77	34.00	-9.19	23.70	23.74	23.58	24.81
	2 TX Slots	29.91	29.81	29.77	31.00	-6.18	23.73	23.63	23.59	24.82
	3 TX Slots	27.81	27.87	27.89	29.00	-4.42	23.39	23.45	23.47	24.58
	4 TX Slots	26.95	26.94	26.90	28.00	-3.17	23.78	23.77	23.73	24.83
EGPRS (8PSK)	1 TX Slot	25.76	25.95	25.93	27.00	-9.19	16.57	16.76	16.74	17.81
	2 TX Slots	23.64	23.73	23.59	24.80	-6.18	17.46	17.55	17.41	18.62
	3 TX Slots	22.24	22.10	22.21	23.30	-4.42	17.82	17.68	17.79	18.88
	4 TX Slots	21.33	21.32	21.38	22.50	-3.17	18.16	18.15	18.21	19.33

Ant1:

GSM 850 State1/4/7/10										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GSM(GMSK)	GSM	33.04	32.89	32.96	34.00	-9.19	23.85	23.70	23.77	24.81
GPRS (GMSK)	1 TX Slot	32.88	32.95	32.95	34.00	-9.19	23.69	23.76	23.76	24.81
	2 TX Slots	29.96	29.88	29.92	31.00	-6.18	23.78	23.70	23.74	24.82
	3 TX Slots	27.94	27.99	27.89	29.00	-4.42	23.52	23.57	23.47	24.58
	4 TX Slots	27.03	27.13	27.03	28.00	-3.17	23.86	23.96	23.86	24.83
EGPRS (GMSK)	1 TX Slot	32.94	33.01	32.90	34.00	-9.19	23.75	23.82	23.71	24.81
	2 TX Slots	30.06	29.90	30.04	31.00	-6.18	23.88	23.72	23.86	24.82
	3 TX Slots	27.98	27.89	27.93	29.00	-4.42	23.56	23.47	23.51	24.58
	4 TX Slots	26.88	26.90	26.91	28.00	-3.17	23.71	23.73	23.74	24.83
EGPRS (8PSK)	1 TX Slot	25.89	26.02	25.90	27.00	-9.19	16.70	16.83	16.71	17.81
	2 TX Slots	23.72	23.82	23.83	24.80	-6.18	17.54	17.64	17.65	18.62
	3 TX Slots	22.27	22.30	22.35	23.30	-4.42	17.85	17.88	17.93	18.88
	4 TX Slots	21.49	21.53	21.54	22.50	-3.17	18.32	18.36	18.37	19.33



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Ant3:

GSM 1900 State1/4/7/10										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GSM(GMSK)	GSM	29.80	29.84	29.97	31.00	-9.19	20.61	20.65	20.78	21.81
GPRS (GMSK)	1 TX Slot	29.91	29.91	29.97	31.00	-9.19	20.72	20.72	20.78	21.81
	2 TX Slots	27.41	27.39	27.45	28.50	-6.18	21.23	21.21	21.27	22.32
	3 TX Slots	25.93	25.99	25.98	27.00	-4.42	21.51	21.57	21.56	22.58
	4 TX Slots	24.98	24.99	24.89	26.00	-3.17	21.81	21.82	21.72	22.83
EGPRS (GMSK)	1 TX Slot	29.97	29.98	29.96	31.00	-9.19	20.78	20.79	20.77	21.81
	2 TX Slots	27.32	27.34	27.30	28.50	-6.18	21.14	21.16	21.12	22.32
	3 TX Slots	25.91	25.92	26.00	27.00	-4.42	21.49	21.50	21.58	22.58
	4 TX Slots	24.95	24.84	24.94	26.00	-3.17	21.78	21.67	21.77	22.83
EGPRS (8PSK)	1 TX Slot	25.60	25.67	25.54	26.70	-9.19	16.41	16.48	16.35	17.51
	2 TX Slots	23.68	23.80	23.75	24.80	-6.18	17.50	17.62	17.57	18.62
	3 TX Slots	22.62	22.78	22.76	23.80	-4.42	18.20	18.36	18.34	19.38
	4 TX Slots	22.33	22.44	22.44	23.50	-3.17	19.16	19.27	19.27	20.33

Ant4:

GSM 1900 State1/7										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GSM(GMSK)	GSM	30.24	30.10	30.16	31.00	-9.19	21.05	20.91	20.97	21.81
GPRS (GMSK)	1 TX Slot	30.09	30.19	30.08	31.00	-9.19	20.90	21.00	20.89	21.81
	2 TX Slots	27.70	27.61	27.63	28.50	-6.18	21.52	21.43	21.45	22.32
	3 TX Slots	26.15	26.18	26.07	27.00	-4.42	21.73	21.76	21.65	22.58
	4 TX Slots	25.21	25.29	25.13	26.00	-3.17	22.04	22.12	21.96	22.83
EGPRS (GMSK)	1 TX Slot	30.16	30.25	30.23	31.00	-9.19	20.97	21.06	21.04	21.81
	2 TX Slots	27.62	27.55	27.56	28.50	-6.18	21.44	21.37	21.38	22.32
	3 TX Slots	26.06	26.23	26.21	27.00	-4.42	21.64	21.81	21.79	22.58
	4 TX Slots	25.10	25.17	25.17	26.00	-3.17	21.93	22.00	22.00	22.83
EGPRS (8PSK)	1 TX Slot	25.84	25.82	25.82	26.70	-9.19	16.65	16.63	16.63	17.51
	2 TX Slots	23.87	23.96	23.98	24.80	-6.18	17.69	17.78	17.80	18.62
	3 TX Slots	22.91	22.87	23.02	23.80	-4.42	18.49	18.45	18.60	19.38
	4 TX Slots	22.70	22.67	22.58	23.50	-3.17	19.53	19.50	19.41	20.33



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GSM 1900 State4										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GSM(GMSK)	GSM	28.73	28.81	28.83	29.70	-9.19	19.54	19.62	19.64	20.51
GPRS (GMSK)	1 TX Slot	28.78	28.80	28.86	29.70	-9.19	19.59	19.61	19.67	20.51
	2 TX Slots	26.30	26.30	26.22	27.20	-6.18	20.12	20.12	20.04	21.02
	3 TX Slots	24.80	24.70	24.75	25.70	-4.42	20.38	20.28	20.33	21.28
	4 TX Slots	23.72	23.89	23.79	24.70	-3.17	20.55	20.72	20.62	21.53
EGPRS (GMSK)	1 TX Slot	28.87	28.87	28.82	29.70	-9.19	19.68	19.68	19.63	20.51
	2 TX Slots	26.38	26.25	26.30	27.20	-6.18	20.20	20.07	20.12	21.02
	3 TX Slots	24.81	24.70	24.73	25.70	-4.42	20.39	20.28	20.31	21.28
	4 TX Slots	23.80	23.86	23.88	24.70	-3.17	20.63	20.69	20.71	21.53
EGPRS (8PSK)	1 TX Slot	24.40	24.41	24.45	25.40	-9.19	15.21	15.22	15.26	16.21
	2 TX Slots	22.53	22.67	22.52	23.50	-6.18	16.35	16.49	16.34	17.32
	3 TX Slots	21.56	21.58	21.55	22.50	-4.42	17.14	17.16	17.13	18.08
	4 TX Slots	21.38	21.25	21.32	22.20	-3.17	18.21	18.08	18.15	19.03

GSM 1900 State10										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GSM(GMSK)	GSM	27.22	27.30	27.33	28.20	-9.19	18.03	18.11	18.14	19.01
GPRS (GMSK)	1 TX Slot	27.27	27.30	27.35	28.20	-9.19	18.08	18.11	18.16	19.01
	2 TX Slots	24.79	24.78	24.71	25.70	-6.18	18.61	18.60	18.53	19.52
	3 TX Slots	23.28	23.20	23.24	24.20	-4.42	18.86	18.78	18.82	19.78
	4 TX Slots	22.20	22.39	22.27	23.20	-3.17	19.03	19.22	19.10	20.03
EGPRS (GMSK)	1 TX Slot	27.37	27.37	27.32	28.20	-9.19	18.18	18.18	18.13	19.01
	2 TX Slots	24.87	24.74	24.79	25.70	-6.18	18.69	18.56	18.61	19.52
	3 TX Slots	23.30	23.18	23.23	24.20	-4.42	18.88	18.76	18.81	19.78
	4 TX Slots	22.30	22.35	22.38	23.20	-3.17	19.13	19.18	19.21	20.03
EGPRS (8PSK)	1 TX Slot	22.90	22.89	22.93	23.90	-9.19	13.71	13.70	13.74	14.71
	2 TX Slots	21.02	21.15	21.02	22.00	-6.18	14.84	14.97	14.84	15.82
	3 TX Slots	20.04	20.06	20.04	21.00	-4.42	15.62	15.64	15.62	16.58
	4 TX Slots	19.86	19.73	19.80	20.70	-3.17	16.69	16.56	16.63	17.53



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2. Conducted Power of WCDMA

Ant0:

WCDMA Band V State1/4/7/10					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.46	23.60	23.46	24.80
	12.2kbps AMR	23.39	23.48	23.35	24.80
HSDPA	Subtest 1	22.50	22.61	22.59	23.80
	Subtest 2	22.65	22.54	22.59	23.80
	Subtest 3	22.07	22.05	22.09	23.30
	Subtest 4	22.05	21.99	22.15	23.30
HSUPA	Subtest 1	22.53	22.50	22.49	23.80
	Subtest 2	20.58	20.59	20.46	21.80
	Subtest 3	21.52	21.51	21.53	22.80
	Subtest 4	20.49	20.53	20.62	21.80
	Subtest 5	22.49	22.52	22.54	23.80
DC-HSDPA	Subtest 1	22.53	22.57	22.56	23.80
	Subtest 2	22.51	22.57	22.55	23.80
	Subtest 3	21.98	22.03	22.08	23.30
	Subtest 4	22.01	22.00	21.98	23.30
HSPA+	16QAM	22.38	22.31	22.36	23.60

Ant1:

WCDMA Band V State1/4/7/10					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.65	23.69	23.65	24.80
	12.2kbps AMR	23.58	23.58	23.51	24.80
HSDPA	Subtest 1	22.56	22.48	22.62	23.80
	Subtest 2	22.55	22.46	22.59	23.80
	Subtest 3	22.10	22.03	22.05	23.30
	Subtest 4	22.12	21.99	22.06	23.30
HSUPA	Subtest 1	22.50	22.64	22.51	23.80
	Subtest 2	20.50	20.61	20.54	21.80
	Subtest 3	21.64	21.51	21.60	22.80
	Subtest 4	20.56	20.62	20.47	21.80
	Subtest 5	22.57	22.52	22.51	23.80
DC-HSDPA	Subtest 1	22.56	22.58	22.62	23.80
	Subtest 2	22.61	22.57	22.47	23.80
	Subtest 3	22.05	22.14	21.95	23.30
	Subtest 4	22.00	22.10	22.05	23.30
HSPA+	16QAM	22.36	22.32	22.27	23.60



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Ant3:

WCDMA Band II State1/4/7/10					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	23.67	23.70	23.65	24.30
	12.2kbps AMR	23.51	23.45	23.58	24.30
HSDPA	Subtest 1	22.06	21.95	22.09	22.80
	Subtest 2	22.10	22.10	22.07	22.80
	Subtest 3	21.00	20.99	21.15	21.80
	Subtest 4	21.13	21.06	20.99	21.80
HSUPA	Subtest 1	23.10	23.00	23.13	23.80
	Subtest 2	21.11	20.96	21.00	21.80
	Subtest 3	22.09	22.03	22.14	22.80
	Subtest 4	21.00	21.12	21.06	21.80
	Subtest 5	23.05	23.13	23.11	23.80
DC-HSDPA	Subtest 1	22.13	21.96	22.04	22.80
	Subtest 2	21.97	22.07	22.04	22.80
	Subtest 3	21.02	20.97	21.11	21.80
	Subtest 4	21.14	20.99	21.08	21.80
HSPA+	16QAM	21.98	22.15	22.01	22.80

WCDMA Band IV State4/10					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	24.05	24.15	24.09	24.80
	12.2kbps AMR	23.94	23.89	24.05	24.80
HSDPA	Subtest 1	23.01	22.88	23.05	23.80
	Subtest 2	22.95	23.02	22.95	23.80
	Subtest 3	22.43	22.38	22.55	23.30
	Subtest 4	22.43	22.36	22.37	23.30
HSUPA	Subtest 1	21.41	21.42	21.38	22.30
	Subtest 2	22.04	21.98	21.85	22.80
	Subtest 3	22.48	22.56	22.56	23.30
	Subtest 4	21.36	21.49	21.46	22.30
	Subtest 5	22.94	22.97	22.90	23.80
DC-HSDPA	Subtest 1	23.05	23.01	23.03	23.80
	Subtest 2	23.05	22.95	23.01	23.80
	Subtest 3	22.44	22.44	22.48	23.30
	Subtest 4	22.49	22.38	22.50	23.30
HSPA+	16QAM	21.97	21.95	21.98	22.80



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WCDMA Band IV State1/7					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.87	22.97	22.90	23.60
	12.2kbps AMR	22.79	22.78	22.88	23.60
HSDPA	Subtest 1	21.94	21.82	21.98	22.60
	Subtest 2	21.90	21.98	21.95	22.60
	Subtest 3	21.42	21.35	21.36	22.10
	Subtest 4	21.30	21.29	21.26	22.10
HSUPA	Subtest 1	20.33	20.31	20.25	21.10
	Subtest 2	20.89	20.86	20.72	21.60
	Subtest 3	21.48	21.44	21.43	22.10
	Subtest 4	20.37	20.34	20.27	21.10
	Subtest 5	21.79	21.80	21.89	22.60
DC-HSDPA	Subtest 1	21.92	21.93	21.85	22.60
	Subtest 2	22.01	21.87	21.93	22.60
	Subtest 3	21.28	21.42	21.44	22.10
	Subtest 4	21.47	21.26	21.40	22.10
HSPA+	16QAM	20.82	20.79	20.90	21.60

Ant4:

WCDMA Band II State1/7					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	22.25	22.30	22.21	23.10
	12.2kbps AMR	22.16	22.24	22.19	23.10
HSDPA	Subtest 1	20.70	20.61	20.80	21.60
	Subtest 2	20.69	20.65	20.73	21.60
	Subtest 3	19.75	19.76	19.65	20.60
	Subtest 4	19.67	19.67	19.66	20.60
HSUPA	Subtest 1	21.74	21.80	21.69	22.60
	Subtest 2	19.61	19.75	19.65	20.60
	Subtest 3	20.73	20.76	20.74	21.60
	Subtest 4	19.68	19.63	19.75	20.60
	Subtest 5	21.81	21.78	21.78	22.60
DC-HSDPA	Subtest 1	20.80	20.78	20.76	21.60
	Subtest 2	20.71	20.77	20.66	21.60
	Subtest 3	19.72	19.73	19.66	20.60
	Subtest 4	19.64	19.66	19.75	20.60
HSPA+	16QAM	20.67	20.63	20.64	21.60



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WCDMA Band II State4/10					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	19.16	19.21	19.16	20.00
	12.2kbps AMR	19.12	19.10	19.01	20.00
HSDPA	Subtest 1	17.69	17.69	17.64	18.50
	Subtest 2	17.61	17.50	17.49	18.50
	Subtest 3	16.52	16.52	16.67	17.50
	Subtest 4	16.65	16.69	16.62	17.50
HSUPA	Subtest 1	18.55	18.66	18.67	19.50
	Subtest 2	16.63	16.63	16.58	17.50
	Subtest 3	17.58	17.69	17.56	18.50
	Subtest 4	16.65	16.53	16.60	17.50
	Subtest 5	18.62	18.60	18.61	19.50
DC-HSDPA	Subtest 1	17.53	17.50	17.52	18.50
	Subtest 2	17.61	17.65	17.49	18.50
	Subtest 3	16.49	16.64	16.61	17.50
	Subtest 4	16.54	16.62	16.59	17.50
HSPA+	16QAM	17.56	17.61	17.53	18.50

WCDMA Band IV State1/7					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.56	22.62	22.54	23.80
	12.2kbps AMR	22.52	22.59	22.51	23.80
HSDPA	Subtest 1	21.49	21.50	21.50	22.80
	Subtest 2	21.45	21.52	21.44	22.80
	Subtest 3	21.05	21.08	20.95	22.30
	Subtest 4	21.09	21.05	21.07	22.30
HSUPA	Subtest 1	20.00	20.06	20.03	21.30
	Subtest 2	20.40	20.48	20.46	21.80
	Subtest 3	21.05	20.93	20.97	22.30
	Subtest 4	19.94	20.10	19.92	21.30
	Subtest 5	21.58	21.40	21.43	22.80
DC-HSDPA	Subtest 1	21.56	21.42	21.43	22.80
	Subtest 2	21.43	21.56	21.51	22.80
	Subtest 3	20.99	21.05	20.99	22.30
	Subtest 4	20.95	20.95	20.96	22.30
HSPA+	16QAM	20.52	20.44	20.60	21.80



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WCDMA Band IV State4					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	21.54	21.68	21.52	22.70
	12.2kbps AMR	21.41	21.30	21.50	22.70
HSDPA	Subtest 1	20.31	20.44	20.33	21.70
	Subtest 2	20.41	20.36	20.48	21.70
	Subtest 3	19.98	19.95	19.97	21.20
	Subtest 4	19.95	19.83	19.96	21.20
HSUPA	Subtest 1	18.88	18.94	18.85	20.20
	Subtest 2	19.44	19.36	19.37	20.70
	Subtest 3	19.96	19.87	19.94	21.20
	Subtest 4	18.85	18.91	18.88	20.20
	Subtest 5	20.43	20.49	20.46	21.70
DC-HSDPA	Subtest 1	20.48	20.41	20.44	21.70
	Subtest 2	20.37	20.48	20.44	21.70
	Subtest 3	19.89	19.92	19.92	21.20
	Subtest 4	19.85	19.89	19.95	21.20
HSPA+	16QAM	19.34	19.44	19.41	20.70

WCDMA Band IV State10					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	21.03	21.16	21.02	22.20
	12.2kbps AMR	20.90	20.79	20.99	22.20
HSDPA	Subtest 1	19.79	19.93	19.82	21.20
	Subtest 2	19.89	19.85	19.98	21.20
	Subtest 3	19.47	19.45	19.46	20.70
	Subtest 4	19.45	19.32	19.46	20.70
HSUPA	Subtest 1	18.36	18.44	18.34	19.70
	Subtest 2	18.93	18.84	18.86	20.20
	Subtest 3	19.44	19.36	19.43	20.70
	Subtest 4	18.34	18.41	18.38	19.70
	Subtest 5	19.92	19.98	19.96	21.20
DC-HSDPA	Subtest 1	19.97	19.89	19.93	21.20
	Subtest 2	19.87	19.97	19.93	21.20
	Subtest 3	19.37	19.41	19.41	20.70
	Subtest 4	19.35	19.38	19.45	20.70
HSPA+	16QAM	18.83	18.93	18.90	20.20



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3. Conducted Power of LTE

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LTE Band 5 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	23.90	23.90	23.91	24.80
		1	2	24.27	24.18	24.28	24.80
		1	5	23.95	23.96	24.03	24.80
		3	0	24.17	24.11	24.09	24.80
		3	2	23.94	23.86	23.78	24.80
		3	3	23.90	23.95	23.93	24.80
		6	0	23.21	23.11	23.16	23.80
	16QAM	1	0	22.89	22.97	22.91	23.80
		1	2	23.13	23.15	23.23	23.80
		1	5	23.14	23.09	23.14	23.80
		3	0	23.44	23.42	23.46	23.80
		3	2	22.92	22.92	23.00	23.80
		3	3	22.92	22.91	22.99	23.80
		6	0	22.34	22.39	22.35	22.80
	64QAM	1	0	22.21	22.13	22.22	22.80
		1	2	22.06	22.11	22.07	22.80
		1	5	22.15	22.05	21.97	22.80
		3	0	22.06	22.10	22.04	22.80
		3	2	22.21	22.15	22.20	22.80
		3	3	22.12	22.20	22.13	22.80
		6	0	20.83	20.78	20.71	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.89	23.93	23.95	24.80
		1	7	24.16	24.10	24.07	24.80
		1	14	23.93	23.93	23.90	24.80
		8	0	23.07	23.04	23.12	23.80
		8	4	22.88	22.96	22.93	23.80
		8	7	23.11	23.04	23.04	23.80
		15	0	22.94	23.04	23.11	23.80
	16QAM	1	0	23.03	23.07	23.12	23.80
		1	7	23.11	23.12	23.03	23.80
		1	14	23.09	23.18	23.10	23.80
		8	0	22.30	22.34	22.36	22.80
		8	4	21.99	21.91	21.90	22.80
		8	7	22.00	21.98	21.97	22.80
		15	0	22.31	22.30	22.38	22.80
	64QAM	1	0	21.96	22.05	22.02	22.80
		1	7	22.14	22.17	22.23	22.80
		1	14	22.06	22.14	22.07	22.80
		8	0	21.08	21.14	21.16	21.80
		8	4	21.11	21.13	21.15	21.80
		8	7	21.13	21.10	21.20	21.80



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		15	0	20.93	20.87	20.93	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	24.02	24.02	24.11	24.80
		1	13	24.05	24.08	24.11	24.80
		1	24	23.92	23.99	23.98	24.80
		12	0	23.01	23.08	23.14	23.80
		12	6	23.03	23.03	23.07	23.80
		12	13	22.95	22.94	22.94	23.80
		25	0	22.96	23.03	23.03	23.80
	16QAM	1	0	23.01	23.04	23.02	23.80
		1	13	23.00	23.09	23.12	23.80
		1	24	23.19	23.12	23.16	23.80
		12	0	22.34	22.24	22.18	22.80
		12	6	22.07	22.00	22.02	22.80
		12	13	21.96	21.97	22.05	22.80
		25	0	22.22	22.21	22.24	22.80
	64QAM	1	0	22.14	22.13	22.18	22.80
		1	13	22.02	22.07	22.14	22.80
		1	24	22.14	22.09	22.16	22.80
		12	0	21.04	21.04	21.02	21.80
		12	6	21.18	21.08	21.01	21.80
		12	13	21.12	21.11	21.18	21.80
		25	0	20.87	20.87	20.78	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20525	/	
10MHz	QPSK	1	0	/	24.29	/	24.80
		1	25	/	24.07	/	24.80
		1	49	/	24.01	/	24.80
		25	0	/	23.33	/	23.80
		25	13	/	22.96	/	23.80
		25	25	/	23.04	/	23.80
		50	0	/	23.40	/	23.80
	16QAM	1	0	/	23.01	/	23.80
		1	25	/	23.04	/	23.80
		1	49	/	23.14	/	23.80
		25	0	/	22.15	/	22.80
		25	13	/	22.08	/	22.80
		25	25	/	22.05	/	22.80
		50	0	/	22.13	/	22.80
	64QAM	1	0	/	22.09	/	22.80
		1	25	/	22.03	/	22.80
		1	49	/	22.09	/	22.80
		25	0	/	21.14	/	21.80
		25	13	/	21.07	/	21.80
		25	25	/	21.01	/	21.80
		50	0	/	20.96	/	21.80



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LTE FDD Band 12 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	23.79	23.74	23.84	24.60
		1	2	23.84	23.91	24.00	24.60
		1	5	24.13	24.07	24.01	24.60
		3	0	24.10	24.01	23.98	24.60
		3	2	23.92	23.95	24.04	24.60
		3	3	24.01	23.95	24.01	24.60
		6	0	23.05	23.13	23.05	23.60
	16QAM	1	0	22.95	22.94	22.86	23.60
		1	2	23.18	23.23	23.25	23.60
		1	5	23.06	23.05	23.07	23.60
		3	0	23.00	23.00	22.96	23.60
		3	2	23.20	23.16	23.15	23.60
		3	3	22.92	22.91	22.85	23.60
		6	0	22.19	22.18	22.13	22.60
	64QAM	1	0	22.13	22.04	21.97	22.60
		1	2	21.98	21.98	21.97	22.60
		1	5	22.19	22.12	22.05	22.60
		3	0	21.78	21.88	21.84	22.60
		3	2	21.98	21.90	21.96	22.60
		3	3	21.84	21.90	21.90	22.60
		6	0	20.78	20.87	20.87	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.72	23.73	23.76	24.60
		1	7	23.87	23.94	23.90	24.60
		1	14	24.09	24.04	23.95	24.60
		8	0	22.98	23.04	23.11	23.60
		8	4	22.98	22.98	22.97	23.60
		8	7	22.93	22.92	23.01	23.60
		15	0	23.04	23.09	23.16	23.60
	16QAM	1	0	23.08	23.00	23.08	23.60
		1	7	23.27	23.17	23.25	23.60
		1	14	23.11	23.04	23.11	23.60
		8	0	21.94	21.92	21.89	22.60
		8	4	22.16	22.10	22.01	22.60
		8	7	22.05	22.00	21.97	22.60
		15	0	22.11	22.09	22.09	22.60
	64QAM	1	0	22.09	22.00	21.90	22.60
		1	7	21.82	21.91	21.88	22.60
		1	14	22.13	22.06	22.02	22.60
		8	0	20.84	20.89	20.88	21.60
		8	4	20.91	20.84	20.75	21.60
		8	7	20.86	20.96	21.03	21.60
		15	0	20.88	20.87	20.84	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	



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5MHz	QPSK	1	0	23.77	23.82	23.75	24.60
		1	13	23.99	23.95	23.95	24.60
		1	24	24.02	23.97	23.93	24.60
		12	0	23.12	23.09	23.13	23.60
		12	6	22.99	23.04	23.03	23.60
		12	13	23.00	23.02	23.12	23.60
		25	0	23.12	23.13	23.19	23.60
	16QAM	1	0	23.06	22.96	23.04	23.60
		1	13	23.16	23.08	23.00	23.60
		1	24	23.08	22.99	23.04	23.60
		12	0	22.02	22.00	22.00	22.60
		12	6	22.16	22.06	22.10	22.60
		12	13	21.93	22.03	22.10	22.60
		25	0	21.97	22.07	22.16	22.60
	64QAM	1	0	22.05	21.95	21.89	22.60
		1	13	21.75	21.83	21.74	22.60
		1	24	22.09	22.00	22.10	22.60
		12	0	20.96	20.97	20.87	21.60
		12	6	21.00	20.90	20.87	21.60
		12	13	21.04	20.97	21.07	21.60
		25	0	20.91	20.95	21.05	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23095	/	
10MHz	QPSK	1	0	/	24.15	/	24.60
		1	25	/	24.03	/	24.60
		1	49	/	24.05	/	24.60
		25	0	/	23.26	/	23.60
		25	13	/	23.03	/	23.60
		25	25	/	23.01	/	23.60
		50	0	/	23.10	/	23.60
	16QAM	1	0	/	23.05	/	23.60
		1	25	/	23.10	/	23.60
		1	49	/	23.00	/	23.60
		25	0	/	21.94	/	22.60
		25	13	/	22.10	/	22.60
		25	25	/	22.08	/	22.60
		50	0	/	22.08	/	22.60
	64QAM	1	0	/	21.99	/	22.60
		1	25	/	21.92	/	22.60
		1	49	/	21.92	/	22.60
		25	0	/	20.98	/	21.60
		25	13	/	21.00	/	21.60
		25	25	/	20.98	/	21.60
		50	0	/	20.98	/	21.60



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LTE FDD Band 13 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
5MHz	QPSK	1	0	/	23.85	/	24.60
		1	13	/	23.95	/	24.60
		1	24	/	23.90	/	24.60
		12	0	/	23.00	/	23.60
		12	6	/	22.67	/	23.60
		12	13	/	22.94	/	23.60
		25	0	/	22.93	/	23.60
	16QAM	1	0	/	22.92	/	23.60
		1	13	/	22.85	/	23.60
		1	24	/	22.79	/	23.60
		12	0	/	21.87	/	22.60
		12	6	/	21.89	/	22.60
		12	13	/	21.95	/	22.60
		25	0	/	21.86	/	22.60
	64QAM	1	0	/	21.98	/	22.60
		1	13	/	21.84	/	22.60
		1	24	/	21.91	/	22.60
		12	0	/	20.80	/	21.60
		12	6	/	20.72	/	21.60
		12	13	/	20.94	/	21.60
		25	0	/	21.00	/	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
10MHz	QPSK	1	0	/	23.98	/	24.60
		1	25	/	23.94	/	24.60
		1	49	/	23.89	/	24.60
		25	0	/	22.91	/	23.60
		25	13	/	22.76	/	23.60
		25	25	/	22.87	/	23.60
		50	0	/	22.89	/	23.60
	16QAM	1	0	/	22.85	/	23.60
		1	25	/	22.83	/	23.60
		1	49	/	22.82	/	23.60
		25	0	/	21.90	/	22.60
		25	13	/	21.91	/	22.60
		25	25	/	21.89	/	22.60
		50	0	/	21.91	/	22.60
	64QAM	1	0	/	21.89	/	22.60
		1	25	/	21.90	/	22.60
		1	49	/	21.81	/	22.60
		25	0	/	20.79	/	21.60
		25	13	/	20.78	/	21.60
		25	25	/	20.91	/	21.60
		50	0	/	20.95	/	21.60



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LTE FDD Band 17 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23790	/	
5MHz	QPSK	1	0	/	23.82	/	24.60
		1	13	/	23.79	/	24.60
		1	24	/	23.75	/	24.60
		12	0	/	22.85	/	23.60
		12	6	/	22.80	/	23.60
		12	13	/	22.85	/	23.60
		25	0	/	22.66	/	23.60
	16QAM	1	0	/	22.68	/	23.60
		1	13	/	22.72	/	23.60
		1	24	/	22.75	/	23.60
		12	0	/	21.70	/	22.60
		12	6	/	21.66	/	22.60
		12	13	/	21.93	/	22.60
		25	0	/	21.75	/	22.60
	64QAM	1	0	/	21.69	/	22.60
		1	13	/	21.83	/	22.60
		1	24	/	21.80	/	22.60
		12	0	/	20.77	/	21.60
		12	6	/	20.86	/	21.60
		12	13	/	20.57	/	21.60
		25	0	/	20.76	/	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23790	/	
10MHz	QPSK	1	0	/	23.84	/	24.60
		1	25	/	23.75	/	24.60
		1	49	/	23.76	/	24.60
		25	0	/	22.80	/	23.60
		25	13	/	22.71	/	23.60
		25	25	/	22.80	/	23.60
		50	0	/	22.70	/	23.60
	16QAM	1	0	/	22.68	/	23.60
		1	25	/	22.68	/	23.60
		1	49	/	22.79	/	23.60
		25	0	/	21.68	/	22.60
		25	13	/	21.70	/	22.60
		25	25	/	21.83	/	22.60
		50	0	/	21.80	/	22.60
	64QAM	1	0	/	21.70	/	22.60
		1	25	/	21.73	/	22.60
		1	49	/	21.83	/	22.60
		25	0	/	20.69	/	21.60
		25	13	/	20.83	/	21.60
		25	25	/	20.67	/	21.60
		50	0	/	20.79	/	21.60



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LTE Band 26 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	23.80	23.81	23.71	24.80
		1	2	24.01	24.05	24.02	24.80
		1	5	24.19	24.26	24.28	24.80
		3	0	24.12	24.13	24.12	24.80
		3	2	23.96	23.95	23.89	24.80
		3	3	23.91	24.00	24.10	24.80
		6	0	23.15	23.08	23.04	23.80
	16QAM	1	0	23.28	23.18	23.19	23.80
		1	2	22.82	22.85	22.90	23.80
		1	5	22.95	23.03	22.96	23.80
		3	0	23.26	23.16	23.19	23.80
		3	2	23.26	23.32	23.31	23.80
		3	3	23.37	23.30	23.39	23.80
		6	0	21.86	21.87	21.84	22.80
	64QAM	1	0	22.16	22.09	22.10	22.80
		1	2	21.85	21.90	21.94	22.80
		1	5	22.01	22.08	22.06	22.80
		3	0	22.12	22.13	22.15	22.80
		3	2	22.15	22.12	22.15	22.80
		3	3	22.00	21.94	21.94	22.80
		6	0	21.17	21.11	21.04	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	23.91	23.86	23.83	24.80
		1	7	24.14	24.04	24.13	24.80
		1	14	24.32	24.34	24.25	24.80
		8	0	23.01	23.10	23.10	23.80
		8	4	23.03	22.96	23.04	23.80
		8	7	22.97	23.04	22.97	23.80
		15	0	23.10	23.07	23.08	23.80
	16QAM	1	0	23.26	23.22	23.23	23.80
		1	7	22.96	22.89	22.83	23.80
		1	14	22.98	22.94	23.02	23.80
		8	0	22.14	22.13	22.08	22.80
		8	4	22.28	22.27	22.20	22.80
		8	7	22.22	22.20	22.16	22.80
		15	0	22.02	21.95	21.96	22.80
	64QAM	1	0	22.20	22.17	22.21	22.80
		1	7	21.99	21.98	21.93	22.80
		1	14	22.09	22.17	22.22	22.80
		8	0	21.07	21.10	21.03	21.80
		8	4	21.15	21.12	21.11	21.80
		8	7	21.06	20.96	20.96	21.80
		15	0	21.03	21.06	21.10	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	



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5MHz	QPSK	1	0	23.80	23.82	23.87	24.80
		1	13	24.10	24.03	24.12	24.80
		1	24	24.27	24.30	24.32	24.80
		12	0	23.19	23.15	23.13	23.80
		12	6	22.92	23.02	23.12	23.80
		12	13	23.11	23.02	23.01	23.80
		25	0	23.21	23.13	23.17	23.80
	16QAM	1	0	23.25	23.15	23.13	23.80
		1	13	22.89	22.86	22.96	23.80
		1	24	22.97	22.96	22.91	23.80
		12	0	22.02	22.04	21.95	22.80
		12	6	22.35	22.25	22.15	22.80
		12	13	22.14	22.10	22.10	22.80
		25	0	21.85	21.95	21.85	22.80
	64QAM	1	0	22.24	22.21	22.12	22.80
		1	13	22.14	22.06	22.02	22.80
		1	24	22.02	22.10	22.15	22.80
		12	0	21.24	21.16	21.11	21.80
		12	6	21.31	21.22	21.16	21.80
		12	13	21.03	21.05	20.96	21.80
		25	0	21.05	21.12	21.18	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	23.81	23.88	23.93	24.80
		1	25	24.11	24.01	24.05	24.80
		1	49	24.28	24.25	24.25	24.80
		25	0	23.09	23.16	23.19	23.80
		25	13	23.12	23.10	23.15	23.80
		25	25	23.11	23.10	23.13	23.80
		50	0	23.07	23.08	23.04	23.80
	16QAM	1	0	23.04	23.07	23.11	23.80
		1	25	23.02	22.92	23.01	23.80
		1	49	22.99	22.92	22.92	23.80
		25	0	22.07	22.09	21.99	22.80
		25	13	22.13	22.22	22.23	22.80
		25	25	22.11	22.09	22.18	22.80
		50	0	22.02	22.01	21.97	22.80
	64QAM	1	0	22.29	22.19	22.10	22.80
		1	25	22.03	22.04	22.14	22.80
		1	49	22.13	22.07	22.07	22.80
		25	0	21.11	21.13	21.22	21.80
		25	13	21.13	21.19	21.26	21.80
		25	25	21.06	20.99	20.91	21.80
		50	0	21.27	21.19	21.13	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	26865	/	
15MHz	QPSK	1	0	/	24.38	/	24.80
		1	38	/	24.01	/	24.80
		1	74	/	24.16	/	24.80
		36	0	/	23.40	/	23.80



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		36	18	/	23.10	/	23.80
		36	39	/	23.14	/	23.80
		75	0	/	23.44	/	23.80
	16QAM	1	0	/	23.15	/	23.80
		1	38	/	23.02	/	23.80
		1	74	/	22.98	/	23.80
		36	0	/	22.05	/	22.80
		36	18	/	22.12	/	22.80
		36	39	/	22.03	/	22.80
		75	0	/	22.11	/	22.80
	64QAM	1	0	/	22.10	/	22.80
		1	38	/	22.13	/	22.80
		1	74	/	21.97	/	22.80
		36	0	/	21.12	/	21.80
		36	18	/	21.12	/	21.80
		36	39	/	20.98	/	21.80
		75	0	/	21.11	/	21.80

LTE Band 71 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133147	133297	133447	
5MHz	QPSK	1	0	23.93	24	23.94	24.80
		1	13	24.27	24.17	24.12	24.80
		1	24	23.97	24.07	24.06	24.80
		12	0	23.16	23.12	23.16	23.80
		12	6	22.95	23.04	23.03	23.80
		12	13	23.09	23.14	23.05	23.80
		25	0	22.92	22.93	22.83	23.80
	16QAM	1	0	23.03	23.06	23.05	23.80
		1	13	22.93	22.93	22.93	23.80
		1	24	23	23.09	23.13	23.80
		12	0	22.08	21.98	21.95	22.80
		12	6	22.27	22.25	22.27	22.80
		12	13	22.18	22.21	22.13	22.80
		25	0	22.15	22.06	22.03	22.80
	64QAM	1	0	21.99	21.97	21.88	22.80
		1	13	22.15	22.14	22.14	22.80
		1	24	22.07	22.05	21.99	22.80
		12	0	21.19	21.24	21.34	21.80
		12	6	20.97	20.90	20.92	21.80
		12	13	20.93	20.95	21.04	21.80
		25	0	21.19	21.16	21.18	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	24.01	23.94	23.92	24.80
		1	25	24.27	24.18	24.27	24.80
		1	49	24.02	23.98	24.06	24.80
		25	0	23.02	23.06	22.98	23.80
		25	13	23.00	22.98	22.89	23.80



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		25	25	23.13	23.06	23.05	23.80
		50	0	22.90	22.88	22.83	23.80
	16QAM	1	0	23.05	23.06	23.05	23.80
		1	25	23.00	22.91	22.84	23.80
		1	49	23.12	23.07	22.97	23.80
		25	0	21.96	22.01	22.05	22.80
		25	13	22.13	22.15	22.10	22.80
		25	25	22.07	22.12	22.19	22.80
		50	0	22.00	22.03	22.11	22.80
		1	0	22.10	22.03	21.93	22.80
	64QAM	1	25	22.11	22.08	22.09	22.80
		1	49	22.24	22.14	22.08	22.80
		25	0	21.12	21.17	21.16	21.80
		25	13	20.85	20.86	20.87	21.80
		25	25	20.93	20.92	20.87	21.80
		50	0	21.16	21.22	21.23	21.80
		1	0	22.10	22.03	21.93	22.80
		1	25	22.11	22.08	22.09	22.80
		1	49	22.24	22.14	22.08	22.80
		25	0	21.12	21.17	21.16	21.80
		25	13	20.85	20.86	20.87	21.80
		25	25	20.93	20.92	20.87	21.80
		50	0	21.16	21.22	21.23	21.80
		1	0	22.10	22.03	21.93	22.80
		1	25	22.11	22.08	22.09	22.80
		1	49	22.24	22.14	22.08	22.80
		25	0	21.12	21.17	21.16	21.80
		25	13	20.85	20.86	20.87	21.80
		25	25	20.93	20.92	20.87	21.80
		50	0	21.16	21.22	21.23	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	133297	/	
15MHz	QPSK	1	0	/	23.98	/	24.80
		1	38	/	24.10	/	24.80
		1	74	/	24.05	/	24.80
		36	0	/	23.13	/	23.80
		36	18	/	23.08	/	23.80
		36	39	/	23.06	/	23.80
		75	0	/	22.98	/	23.80
		1	0	/	22.99	/	23.80
	16QAM	1	38	/	22.99	/	23.80
		1	74	/	22.97	/	23.80
		36	0	/	22.10	/	22.80
		36	18	/	22.07	/	22.80
		36	39	/	22.11	/	22.80
		75	0	/	22.10	/	22.80
		1	0	/	21.98	/	22.80
		1	38	/	22.14	/	22.80
	64QAM	1	74	/	22.09	/	22.80
		36	0	/	21.10	/	21.80
		36	18	/	20.96	/	21.80
		36	39	/	21.01	/	21.80
		75	0	/	21.14	/	21.80
		1	0	/	21.98	/	22.80
		1	38	/	22.14	/	22.80
		1	74	/	22.09	/	22.80
		36	0	/	21.10	/	21.80
		36	18	/	20.96	/	21.80
		36	39	/	21.01	/	21.80
		75	0	/	21.14	/	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	133322	/	
20MHz	QPSK	1	0	/	24.36	/	24.80
		1	50	/	24.02	/	24.80
		1	99	/	23.99	/	24.80
		50	0	/	23.26	/	23.80
		50	25	/	23.16	/	23.80
		50	50	/	22.97	/	23.80
		100	0	/	23.02	/	23.80
		1	0	/	23.12	/	23.80
	16QAM	1	50	/	22.99	/	23.80
		1	50	/	22.99	/	23.80



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		1	99	/	23.08	/	23.80
		50	0	/	22.13	/	22.80
		50	25	/	22.06	/	22.80
		50	50	/	22.07	/	22.80
		100	0	/	22.02	/	22.80
	64QAM	1	0	/	22.15	/	22.80
		1	50	/	21.96	/	22.80
		1	99	/	22.15	/	22.80
		50	0	/	21.11	/	21.80
		50	25	/	20.98	/	21.80
		50	50	/	20.99	/	21.80
		100	0	/	20.98	/	21.80



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LTE Band 5 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	23.86	23.83	23.86	24.80
		1	2	23.79	23.74	23.69	24.80
		1	5	23.51	23.61	23.70	24.80
		3	0	23.86	23.84	23.85	24.80
		3	2	23.78	23.77	23.67	24.80
		3	3	23.60	23.67	23.60	24.80
		6	0	22.85	22.89	22.83	23.80
	16QAM	1	0	22.51	22.58	22.54	23.80
		1	2	22.81	22.79	22.77	23.80
		1	5	22.82	22.75	22.74	23.80
		3	0	22.87	22.93	22.86	23.80
		3	2	22.47	22.52	22.52	23.80
		3	3	22.66	22.72	22.76	23.80
		6	0	22.01	22.00	22.10	22.80
	64QAM	1	0	21.89	21.79	21.71	22.80
		1	2	21.67	21.67	21.59	22.80
		1	5	21.56	21.62	21.68	22.80
		3	0	21.79	21.73	21.77	22.80
		3	2	21.82	21.80	21.85	22.80
		3	3	21.92	21.87	21.80	22.80
		6	0	20.64	20.72	20.64	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.93	23.89	23.90	24.80
		1	7	23.84	23.80	23.71	24.80
		1	14	23.67	23.59	23.50	24.80
		8	0	22.86	22.82	22.81	23.80
		8	4	22.63	22.72	22.80	23.80
		8	7	22.70	22.65	22.68	23.80
		15	0	22.91	22.81	22.89	23.80
	16QAM	1	0	22.65	22.65	22.59	23.80
		1	7	22.74	22.72	22.78	23.80
		1	14	22.66	22.67	22.70	23.80
		8	0	21.80	21.88	21.88	22.80
		8	4	21.52	21.54	21.61	22.80
		8	7	21.62	21.65	21.60	22.80
		15	0	21.93	21.93	22.01	22.80
	64QAM	1	0	21.88	21.85	21.88	22.80
		1	7	21.63	21.70	21.72	22.80
		1	14	21.64	21.60	21.51	22.80
		8	0	20.65	20.75	20.65	21.80
		8	4	20.81	20.77	20.72	21.80
		8	7	20.93	20.95	20.95	21.80
		15	0	20.77	20.77	20.80	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				20425	20525	20625	
5MHz	QPSK	1	0	23.95	23.93	23.83	24.80
		1	13	23.74	23.72	23.67	24.80
		1	24	23.75	23.67	23.66	24.80
		12	0	22.91	22.84	22.94	23.80
		12	6	22.62	22.70	22.66	23.80
		12	13	22.57	22.61	22.59	23.80
		25	0	22.82	22.79	22.78	23.80
	16QAM	1	0	22.60	22.67	22.61	23.80
		1	13	22.63	22.65	22.69	23.80
		1	24	22.76	22.71	22.73	23.80
		12	0	21.83	21.84	21.74	22.80
		12	6	21.51	21.60	21.52	22.80
		12	13	21.83	21.75	21.76	22.80
		25	0	21.97	21.87	21.94	22.80
	64QAM	1	0	21.85	21.85	21.90	22.80
		1	13	21.73	21.80	21.78	22.80
		1	24	21.63	21.64	21.68	22.80
		12	0	20.72	20.79	20.73	21.80
		12	6	20.65	20.71	20.64	21.80
		12	13	20.95	20.86	20.94	21.80
		25	0	20.82	20.78	20.87	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23.98	/	24.80
		1	25	/	23.79	/	24.80
		1	49	/	23.72	/	24.80
		25	0	/	22.94	/	23.80
		25	13	/	22.66	/	23.80
		25	25	/	22.66	/	23.80
		50	0	/	22.83	/	23.80
	16QAM	1	0	/	22.74	/	23.80
		1	25	/	22.70	/	23.80
		1	49	/	22.75	/	23.80
		25	0	/	21.84	/	22.80
		25	13	/	21.67	/	22.80
		25	25	/	21.70	/	22.80
		50	0	/	21.85	/	22.80
	64QAM	1	0	/	21.84	/	22.80
		1	25	/	21.75	/	22.80
		1	49	/	21.67	/	22.80
		25	0	/	20.81	/	21.80
		25	13	/	20.66	/	21.80
		25	25	/	20.86	/	21.80
		50	0	/	20.80	/	21.80



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LTE FDD Band 12 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	23.63	23.65	23.66	24.60
		1	2	23.34	23.25	23.33	24.60
		1	5	23.48	23.46	23.42	24.60
		3	0	23.47	23.41	23.40	24.60
		3	2	23.35	23.31	23.32	24.60
		3	3	23.55	23.50	23.40	24.60
		6	0	22.23	22.33	22.35	23.60
	16QAM	1	0	22.28	22.20	22.17	23.60
		1	2	22.27	22.28	22.34	23.60
		1	5	22.33	22.40	22.48	23.60
		3	0	22.61	22.58	22.59	23.60
		3	2	22.33	22.41	22.36	23.60
		3	3	22.24	22.30	22.29	23.60
		6	0	21.56	21.64	21.62	22.60
	64QAM	1	0	21.58	21.67	21.76	22.60
		1	2	21.38	21.42	21.34	22.60
		1	5	21.38	21.47	21.54	22.60
		3	0	21.58	21.51	21.57	22.60
		3	2	21.46	21.49	21.57	22.60
		3	3	21.67	21.70	21.75	22.60
		6	0	20.17	20.15	20.12	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.50	23.55	23.49	24.60
		1	7	23.43	23.34	23.44	24.60
		1	14	23.32	23.41	23.37	24.60
		8	0	22.38	22.45	22.35	23.60
		8	4	22.36	22.29	22.35	23.60
		8	7	22.49	22.40	22.30	23.60
		15	0	22.37	22.38	22.38	23.60
	16QAM	1	0	22.24	22.27	22.20	23.60
		1	7	22.39	22.31	22.25	23.60
		1	14	22.32	22.40	22.43	23.60
		8	0	21.61	21.55	21.64	22.60
		8	4	21.28	21.36	21.28	22.60
		8	7	21.40	21.37	21.41	22.60
		15	0	21.64	21.67	21.74	22.60
	64QAM	1	0	21.61	21.61	21.65	22.60
		1	7	21.52	21.44	21.48	22.60
		1	14	21.54	21.56	21.47	22.60
		8	0	20.60	20.50	20.47	21.60
		8	4	20.40	20.43	20.39	21.60
		8	7	20.80	20.71	20.70	21.60
		15	0	20.19	20.25	20.35	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	



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5MHz	QPSK	1	0	23.52	23.53	23.55	24.60
		1	13	23.37	23.43	23.34	24.60
		1	24	23.52	23.50	23.44	24.60
		12	0	22.43	22.44	22.43	23.60
		12	6	22.29	22.39	22.45	23.60
		12	13	22.42	22.47	22.51	23.60
		25	0	22.39	22.38	22.29	23.60
	16QAM	1	0	22.36	22.32	22.22	23.60
		1	13	22.35	22.35	22.28	23.60
		1	24	22.43	22.36	22.34	23.60
		12	0	21.54	21.56	21.65	22.60
		12	6	21.42	21.45	21.43	22.60
		12	13	21.35	21.41	21.46	22.60
		25	0	21.56	21.58	21.61	22.60
	64QAM	1	0	21.49	21.55	21.49	22.60
		1	13	21.52	21.47	21.37	22.60
		1	24	21.49	21.51	21.53	22.60
		12	0	20.38	20.45	20.54	21.60
		12	6	20.32	20.37	20.42	21.60
		12	13	20.68	20.63	20.54	21.60
		25	0	20.38	20.28	20.23	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23095	/	
10MHz	QPSK	1	0	/	23.67	/	24.60
		1	25	/	23.43	/	24.60
		1	49	/	23.48	/	24.60
		25	0	/	22.79	/	23.60
		25	13	/	22.42	/	23.60
		25	25	/	22.47	/	23.60
		50	0	/	22.39	/	23.60
	16QAM	1	0	/	22.41	/	23.60
		1	25	/	22.43	/	23.60
		1	49	/	22.46	/	23.60
		25	0	/	21.49	/	22.60
		25	13	/	21.43	/	22.60
		25	25	/	21.36	/	22.60
		50	0	/	21.49	/	22.60
	64QAM	1	0	/	21.54	/	22.60
		1	25	/	21.48	/	22.60
		1	49	/	21.47	/	22.60
		25	0	/	20.45	/	21.60
		25	13	/	20.41	/	21.60
		25	25	/	20.54	/	21.60
		50	0	/	20.38	/	21.60



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LTE FDD Band 13 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
5MHz	QPSK	1	0	/	23.27	/	24.60
		1	13	/	23.41	/	24.60
		1	24	/	23.17	/	24.60
		12	0	/	22.44	/	23.60
		12	6	/	22.43	/	23.60
		12	13	/	22.22	/	23.60
		25	0	/	22.49	/	23.60
	16QAM	1	0	/	22.30	/	23.60
		1	13	/	22.51	/	23.60
		1	24	/	22.35	/	23.60
		12	0	/	21.32	/	22.60
		12	6	/	21.44	/	22.60
		12	13	/	21.28	/	22.60
		25	0	/	21.24	/	22.60
	64QAM	1	0	/	21.46	/	22.60
		1	13	/	21.52	/	22.60
		1	24	/	21.47	/	22.60
		12	0	/	20.29	/	21.60
		12	6	/	20.30	/	21.60
		12	13	/	20.41	/	21.60
		25	0	/	20.38	/	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
10MHz	QPSK	1	0	/	23.67	/	24.60
		1	25	/	23.42	/	24.60
		1	49	/	23.27	/	24.60
		25	0	/	22.58	/	23.60
		25	13	/	22.44	/	23.60
		25	25	/	22.32	/	23.60
		50	0	/	22.44	/	23.60
	16QAM	1	0	/	22.4	/	23.60
		1	25	/	22.45	/	23.60
		1	49	/	22.41	/	23.60
		25	0	/	21.33	/	22.60
		25	13	/	21.43	/	22.60
		25	25	/	21.35	/	22.60
		50	0	/	21.25	/	22.60
	64QAM	1	0	/	21.37	/	22.60
		1	25	/	21.45	/	22.60
		1	49	/	21.41	/	22.60
		25	0	/	20.30	/	21.60
		25	13	/	20.26	/	21.60
		25	25	/	20.33	/	21.60
		50	0	/	20.45	/	21.60



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LTE FDD Band 17 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23790	/	
5MHz	QPSK	1	0	/	23.18	/	24.60
		1	13	/	23.19	/	24.60
		1	24	/	23.35	/	24.60
		12	0	/	22.16	/	23.60
		12	6	/	22.42	/	23.60
		12	13	/	22.11	/	23.60
		25	0	/	22.30	/	23.60
	16QAM	1	0	/	22.25	/	23.60
		1	13	/	22.09	/	23.60
		1	24	/	22.29	/	23.60
		12	0	/	21.37	/	22.60
		12	6	/	21.33	/	22.60
		12	13	/	21.30	/	22.60
		25	0	/	21.32	/	22.60
	64QAM	1	0	/	21.20	/	22.60
		1	13	/	21.22	/	22.60
		1	24	/	21.36	/	22.60
		12	0	/	20.12	/	21.60
		12	6	/	20.41	/	21.60
		12	13	/	20.12	/	21.60
		25	0	/	20.33	/	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23790	/	
10MHz	QPSK	1	0	/	23.49	/	24.60
		1	25	/	23.22	/	24.60
		1	49	/	23.31	/	24.60
		25	0	/	22.56	/	23.60
		25	13	/	22.33	/	23.60
		25	25	/	22.21	/	23.60
		50	0	/	22.21	/	23.60
	16QAM	1	0	/	22.34	/	23.60
		1	25	/	22.16	/	23.60
		1	49	/	22.21	/	23.60
		25	0	/	21.30	/	22.60
		25	13	/	21.31	/	22.60
		25	25	/	21.29	/	22.60
		50	0	/	21.35	/	22.60
	64QAM	1	0	/	21.15	/	22.60
		1	25	/	21.23	/	22.60
		1	49	/	21.35	/	22.60
		25	0	/	20.19	/	21.60
		25	13	/	20.34	/	21.60
		25	25	/	20.21	/	21.60
		50	0	/	20.32	/	21.60



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LTE Band 26 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	23.85	23.87	23.90	24.80
		1	2	23.48	23.49	23.44	24.80
		1	5	23.51	23.50	23.51	24.80
		3	0	23.55	23.60	23.54	24.80
		3	2	23.48	23.56	23.56	24.80
		3	3	23.51	23.55	23.62	24.80
		6	0	22.92	22.84	22.76	23.80
	16QAM	1	0	22.75	22.80	22.84	23.80
		1	2	22.67	22.66	22.71	23.80
		1	5	22.70	22.63	22.58	23.80
		3	0	22.79	22.74	22.71	23.80
		3	2	22.52	22.48	22.48	23.80
		3	3	22.46	22.45	22.39	23.80
		6	0	21.81	21.89	21.83	22.80
	64QAM	1	0	21.71	21.76	21.81	22.80
		1	2	21.51	21.47	21.45	22.80
		1	5	21.60	21.65	21.72	22.80
		3	0	21.62	21.55	21.57	22.80
		3	2	21.96	21.96	22.02	22.80
		3	3	21.60	21.59	21.65	22.80
		6	0	20.42	20.48	20.53	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	23.83	23.82	23.92	24.80
		1	7	23.48	23.56	23.46	24.80
		1	14	23.56	23.48	23.44	24.80
		8	0	22.69	22.60	22.53	23.80
		8	4	22.50	22.59	22.64	23.80
		8	7	22.66	22.64	22.68	23.80
		15	0	22.84	22.77	22.80	23.80
	16QAM	1	0	22.68	22.74	22.68	23.80
		1	7	22.71	22.64	22.63	23.80
		1	14	22.75	22.72	22.73	23.80
		8	0	21.90	21.81	21.82	22.80
		8	4	21.56	21.48	21.53	22.80
		8	7	21.48	21.49	21.59	22.80
		15	0	21.76	21.86	21.92	22.80
	64QAM	1	0	21.74	21.75	21.70	22.80
		1	7	21.57	21.50	21.41	22.80
		1	14	21.63	21.68	21.64	22.80
		8	0	20.64	20.57	20.67	21.80
		8	4	20.88	20.88	20.87	21.80
		8	7	20.60	20.57	20.55	21.80
		15	0	20.50	20.56	20.53	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	



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5MHz	QPSK	1	0	23.79	23.78	23.88	24.80
		1	13	23.55	23.64	23.59	24.80
		1	24	23.62	23.52	23.56	24.80
		12	0	22.68	22.63	22.61	23.80
		12	6	22.73	22.64	22.66	23.80
		12	13	22.67	22.71	22.65	23.80
		25	0	22.76	22.75	22.74	23.80
	16QAM	1	0	22.67	22.72	22.73	23.80
		1	13	22.76	22.69	22.74	23.80
		1	24	22.65	22.69	22.59	23.80
		12	0	21.83	21.88	21.79	22.80
		12	6	21.58	21.53	21.60	22.80
		12	13	21.54	21.49	21.48	22.80
		25	0	21.69	21.76	21.74	22.80
	64QAM	1	0	21.57	21.67	21.71	22.80
		1	13	21.49	21.56	21.63	22.80
		1	24	21.78	21.78	21.72	22.80
		12	0	20.61	20.65	20.57	21.80
		12	6	20.87	20.78	20.83	21.80
		12	13	20.64	20.61	20.57	21.80
		25	0	20.64	20.56	20.59	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	23.58	23.68	23.64	24.80
		1	25	23.66	23.63	23.54	24.80
		1	49	23.64	23.58	23.64	24.80
		25	0	22.52	22.62	22.62	23.80
		25	13	22.71	22.71	22.73	23.80
		25	25	22.66	22.74	22.77	23.80
		50	0	22.60	22.66	22.69	23.80
	16QAM	1	0	22.83	22.74	22.84	23.80
		1	25	22.68	22.69	22.60	23.80
		1	49	22.63	22.61	22.60	23.80
		25	0	21.71	21.78	21.84	22.80
		25	13	21.49	21.56	21.46	22.80
		25	25	21.51	21.53	21.56	22.80
		50	0	21.63	21.66	21.70	22.80
	64QAM	1	0	21.68	21.68	21.71	22.80
		1	25	21.46	21.51	21.47	22.80
		1	49	21.78	21.68	21.69	22.80
		25	0	20.77	20.69	20.77	21.80
		25	13	20.86	20.78	20.74	21.80
		25	25	20.66	20.63	20.71	21.80
		50	0	20.51	20.57	20.55	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	26865	/	
15MHz	QPSK	1	0	/	23.94	/	24.80
		1	38	/	23.63	/	24.80
		1	74	/	23.63	/	24.80
		36	0	/	22.97	/	23.80



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		36	18	/	22.65	/	23.80
		36	39	/	22.73	/	23.80
		75	0	/	22.58	/	23.80
	16QAM	1	0	/	22.65	/	23.80
		1	38	/	22.66	/	23.80
		1	74	/	22.66	/	23.80
		36	0	/	21.75	/	22.80
		36	18	/	21.58	/	22.80
		36	39	/	21.61	/	22.80
		75	0	/	21.70	/	22.80
		1	0	/	21.59	/	22.80
	64QAM	1	38	/	21.56	/	22.80
		1	74	/	21.65	/	22.80
		36	0	/	20.61	/	21.80
		36	18	/	20.71	/	21.80
		36	39	/	20.60	/	21.80
		75	0	/	20.56	/	21.80

LTE Band 71 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133147	133297	133447	
5MHz	QPSK	1	0	23.7	23.76	23.73	24.80
		1	13	23.9	23.93	23.84	24.80
		1	24	23.71	23.79	23.82	24.80
		12	0	22.8	22.76	22.85	23.80
		12	6	22.8	22.73	22.83	23.80
		12	13	22.85	22.83	22.82	23.80
		25	0	22.9	22.84	22.78	23.80
	16QAM	1	0	22.86	22.81	22.9	23.80
		1	13	22.85	22.89	22.87	23.80
		1	24	22.71	22.78	22.81	23.80
		12	0	21.54	21.64	21.7	22.80
		12	6	21.68	21.77	21.71	22.80
		12	13	21.82	21.75	21.65	22.80
		25	0	21.64	21.63	21.64	22.80
	64QAM	1	0	21.96	21.90	21.92	22.80
		1	13	21.90	21.85	21.93	22.80
		1	24	21.98	21.91	21.86	22.80
		12	0	20.72	20.82	20.84	21.80
		12	6	20.71	20.75	20.74	21.80
		12	13	20.80	20.73	20.78	21.80
		25	0	20.87	20.83	20.73	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	23.63	23.71	23.66	24.80
		1	25	23.88	23.85	23.93	24.80
		1	49	23.8	23.85	23.87	24.80
		25	0	22.56	22.66	22.7	23.80
		25	13	22.81	22.71	22.79	23.80



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		25	25	22.7	22.73	22.64	23.80
		50	0	22.79	22.79	22.72	23.80
	16QAM	1	0	22.73	22.72	22.66	23.80
		1	25	22.8	22.8	22.71	23.80
		1	49	22.77	22.83	22.9	23.80
		25	0	21.66	21.67	21.77	22.80
		25	13	21.85	21.86	21.95	22.80
		25	25	21.81	21.74	21.69	22.80
		50	0	21.61	21.57	21.66	22.80
		1	0	21.86	21.84	21.74	22.80
	64QAM	1	25	21.78	21.80	21.80	22.80
		1	49	21.93	21.84	21.84	22.80
		25	0	20.81	20.76	20.81	21.80
		25	13	20.66	20.69	20.70	21.80
		25	25	20.69	20.68	20.64	21.80
		50	0	20.80	20.86	20.94	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	133297	/	
15MHz	QPSK	1	0	/	23.80	/	24.80
		1	38	/	23.75	/	24.80
		1	74	/	23.82	/	24.80
		36	0	/	22.74	/	23.80
		36	18	/	22.70	/	23.80
		36	39	/	22.82	/	23.80
		75	0	/	22.77	/	23.80
	16QAM	1	0	/	22.76	/	23.80
		1	38	/	22.84	/	23.80
		1	74	/	22.83	/	23.80
		36	0	/	21.66	/	22.80
		36	18	/	21.81	/	22.80
		36	39	/	21.76	/	22.80
		75	0	/	21.66	/	22.80
	64QAM	1	0	/	21.86	/	22.80
		1	38	/	21.82	/	22.80
		1	74	/	21.78	/	22.80
		36	0	/	20.70	/	21.80
		36	18	/	20.78	/	21.80
		36	39	/	20.71	/	21.80
		75	0	/	20.79	/	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	133322	/	
20MHz	QPSK	1	0	/	23.97	/	24.80
		1	50	/	23.69	/	24.80
		1	99	/	23.65	/	24.80
		50	0	/	22.78	/	23.80
		50	25	/	22.70	/	23.80
		50	50	/	22.71	/	23.80
		100	0	/	22.79	/	23.80
	16QAM	1	0	/	22.83	/	23.80
		1	50	/	22.85	/	23.80



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		1	99	/	22.65	/	23.80
		50	0	/	21.67	/	22.80
		50	25	/	21.77	/	22.80
		50	50	/	21.70	/	22.80
		100	0	/	21.81	/	22.80
	64QAM	1	0	/	21.65	/	22.80
		1	50	/	21.74	/	22.80
		1	99	/	21.73	/	22.80
		50	0	/	20.85	/	21.80
		50	25	/	20.65	/	21.80
		50	50	/	20.76	/	21.80
		100	0	/	20.68	/	21.80



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LTE Band 2 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.41	23.53	23.60	24.30
		1	2	23.59	23.77	23.27	24.30
		1	5	23.55	23.52	23.24	24.30
		3	0	23.52	23.23	23.45	24.30
		3	2	23.42	23.80	23.48	24.30
		3	3	23.52	23.43	23.70	24.30
		6	0	22.77	22.13	22.50	23.30
	16QAM	1	0	22.55	22.40	22.49	23.30
		1	2	22.48	22.30	22.37	23.30
		1	5	22.51	22.64	22.67	23.30
		3	0	22.27	22.62	22.44	23.30
		3	2	22.67	22.15	22.42	23.30
		3	3	22.50	22.52	22.30	23.30
		6	0	21.50	21.59	21.54	22.30
	64QAM	1	0	21.25	21.17	21.42	22.30
		1	2	21.34	21.19	21.21	22.30
		1	5	21.57	21.40	21.37	22.30
		3	0	21.77	21.51	21.34	22.30
		3	2	21.45	21.47	21.45	22.30
		3	3	21.42	21.43	21.19	22.30
		6	0	20.31	20.36	20.58	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.50	23.52	23.59	24.30
		1	7	23.64	23.73	23.30	24.30
		1	14	23.45	23.43	23.33	24.30
		8	0	22.42	22.14	22.45	23.30
		8	4	22.34	22.77	22.48	23.30
		8	7	22.52	22.45	22.71	23.30
		15	0	22.71	22.17	22.60	23.30
	16QAM	1	0	22.64	22.49	22.42	23.30
		1	7	22.42	22.33	22.37	23.30
		1	14	22.49	22.55	22.57	23.30
		8	0	21.37	21.52	21.42	22.30
		8	4	21.62	21.15	21.33	22.30
		8	7	21.42	21.42	21.33	22.30
		15	0	21.49	21.59	21.50	22.30
	64QAM	1	0	21.35	21.26	21.45	22.30
		1	7	21.36	21.22	21.27	22.30
		1	14	21.47	21.32	21.45	22.30
		8	0	20.86	20.48	20.33	21.30
		8	4	20.50	20.51	20.37	21.30
		8	7	20.39	20.44	20.25	21.30
		15	0	20.29	20.36	20.57	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				18625	18900	19175	
5MHz	QPSK	1	0	23.48	23.46	23.52	24.30
		1	13	23.65	23.67	23.31	24.30
		1	24	23.35	23.45	23.33	24.30
		12	0	22.38	22.24	22.54	23.30
		12	6	22.31	22.69	22.52	23.30
		12	13	22.57	22.50	22.63	23.30
		25	0	22.69	22.24	22.57	23.30
	16QAM	1	0	22.58	22.40	22.51	23.30
		1	13	22.51	22.26	22.39	23.30
		1	24	22.51	22.62	22.65	23.30
		12	0	21.39	21.48	21.37	22.30
		12	6	21.52	21.23	21.35	22.30
		12	13	21.52	21.46	21.38	22.30
		25	0	21.52	21.60	21.59	22.30
	64QAM	1	0	21.39	21.28	21.49	22.30
		1	13	21.45	21.25	21.35	22.30
		1	24	21.41	21.42	21.53	22.30
		12	0	20.76	20.42	20.43	21.30
		12	6	20.54	20.44	20.47	21.30
		12	13	20.33	20.47	20.27	21.30
		25	0	20.31	20.42	20.47	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.47	23.43	23.53	24.30
		1	25	23.68	23.57	23.34	24.30
		1	49	23.41	23.36	23.26	24.30
		25	0	22.34	22.32	22.54	23.30
		25	13	22.36	22.63	22.58	23.30
		25	25	22.51	22.48	22.55	23.30
		50	0	22.62	22.27	22.53	23.30
	16QAM	1	0	22.49	22.49	22.45	23.30
		1	25	22.46	22.26	22.36	23.30
		1	49	22.60	22.63	22.55	23.30
		25	0	21.44	21.42	21.43	22.30
		25	13	21.49	21.23	21.32	22.30
		25	25	21.54	21.51	21.42	22.30
		50	0	21.48	21.53	21.53	22.30
	64QAM	1	0	21.45	21.33	21.57	22.30
		1	25	21.53	21.33	21.35	22.30
		1	49	21.50	21.40	21.58	22.30
		25	0	20.72	20.42	20.43	21.30
		25	13	20.56	20.51	20.46	21.30
		25	25	20.26	20.40	20.32	21.30
		50	0	20.32	20.46	20.57	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.37	23.50	23.43	24.30
		1	38	23.64	23.60	23.32	24.30
		1	74	23.40	23.35	23.35	24.30



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		36	0	22.33	22.39	22.60	23.30
		36	18	22.44	22.62	22.54	23.30
		36	39	22.44	22.48	22.49	23.30
		75	0	22.57	22.37	22.54	23.30
	16QAM	1	0	22.42	22.42	22.47	23.30
		1	38	22.54	22.28	22.38	23.30
		1	74	22.53	22.55	22.64	23.30
		36	0	21.52	21.44	21.44	22.30
		36	18	21.54	21.31	21.36	22.30
		36	39	21.45	21.43	21.41	22.30
		75	0	21.39	21.53	21.51	22.30
	64QAM	1	0	21.46	21.43	21.47	22.30
		1	38	21.61	21.32	21.45	22.30
		1	74	21.47	21.30	21.48	22.30
		36	0	20.62	20.40	20.49	21.30
		36	18	20.60	20.45	20.42	21.30
		36	39	20.35	20.48	20.36	21.30
		75	0	20.33	20.42	20.49	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.76	23.85	23.66	24.30
		1	50	23.56	23.50	23.41	24.30
		1	99	23.45	23.44	23.44	24.30
		50	0	22.78	22.84	22.74	23.30
		50	25	22.44	22.54	22.50	23.30
		50	50	22.54	22.38	22.48	23.30
		100	0	22.56	22.69	22.45	23.30
	16QAM	1	0	22.41	22.38	22.49	23.30
		1	50	22.55	22.38	22.40	23.30
		1	99	22.50	22.50	22.54	23.30
		50	0	21.55	21.46	21.38	22.30
		50	25	21.49	21.40	21.39	22.30
		50	50	21.37	21.43	21.43	22.30
		100	0	21.38	21.55	21.46	22.30
	64QAM	1	0	21.42	21.44	21.46	22.30
		1	50	21.55	21.40	21.36	22.30
		1	99	21.44	21.37	21.42	22.30
		50	0	20.56	20.39	20.56	21.30
		50	25	20.52	20.48	20.41	21.30
		50	50	20.38	20.48	20.39	21.30
		100	0	20.39	20.49	20.46	21.30

LTE Band 4 State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.03	23.08	23.05	24.60
		1	2	23.15	23.12	23.10	24.60
		1	5	22.79	22.70	22.77	24.60
		3	0	22.96	23.02	22.96	24.60



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		3	2	23.18	23.09	22.99	24.60
		3	3	22.99	22.93	22.87	24.60
		6	0	22.11	22.19	22.11	23.60
	16QAM	1	0	22.20	22.28	22.19	23.60
		1	2	21.87	21.89	21.93	23.60
		1	5	22.28	22.18	22.21	23.60
		3	0	22.15	22.19	22.13	23.60
		3	2	22.08	22.00	22.05	23.60
		3	3	21.79	21.85	21.87	23.60
		6	0	21.03	20.95	20.85	22.60
	64QAM	1	0	21.27	21.27	21.30	22.60
		1	2	21.22	21.13	21.08	22.60
		1	5	21.03	21.12	21.19	22.60
		3	0	21.08	21.00	21.05	22.60
		3	2	21.21	21.16	21.13	22.60
		3	3	21.05	21.15	21.22	22.60
		6	0	20.00	20.07	20.06	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	23.06	23.04	23.01	24.60
		1	7	23.06	23.14	23.06	24.60
		1	14	22.69	22.75	22.67	24.60
		8	0	22.10	22.02	22.10	23.60
		8	4	22.17	22.09	22.19	23.60
		8	7	21.82	21.92	21.99	23.60
		15	0	22.07	22.09	22.15	23.60
	16QAM	1	0	22.21	22.24	22.32	23.60
		1	7	21.89	21.86	21.83	23.60
		1	14	22.16	22.21	22.12	23.60
		8	0	21.10	21.09	21.13	22.60
		8	4	21.00	20.90	20.89	22.60
		8	7	20.87	20.84	20.89	22.60
		15	0	21.01	21.01	21.00	22.60
	64QAM	1	0	21.34	21.25	21.35	22.60
		1	7	21.08	21.09	21.14	22.60
		1	14	21.07	21.09	21.18	22.60
		8	0	20.10	20.06	20.02	21.60
		8	4	20.00	20.06	20.04	21.60
		8	7	20.17	20.14	20.24	21.60
		15	0	20.14	20.04	20.13	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	23.19	23.13	23.18	24.60
		1	13	23.15	23.13	23.23	24.60
		1	24	22.82	22.75	22.75	24.60
		12	0	22.05	22.01	22.06	23.60
		12	6	21.99	22.09	22.15	23.60
		12	13	21.97	21.95	21.88	23.60
		25	0	22.04	22.11	22.08	23.60
	16QAM	1	0	22.29	22.22	22.21	23.60



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		1	13	21.99	21.94	21.91	23.60
		1	24	22.14	22.23	22.26	23.60
		12	0	20.91	21.00	21.04	22.60
		12	6	21.03	20.98	20.90	22.60
		12	13	20.91	20.86	20.85	22.60
		25	0	20.88	20.91	20.91	22.60
	64QAM	1	0	21.17	21.25	21.26	22.60
		1	13	21.06	21.15	21.10	22.60
		1	24	21.25	21.19	21.10	22.60
		12	0	20.08	19.99	20.09	21.60
		12	6	20.02	20.05	20.08	21.60
		12	13	20.07	20.13	20.18	21.60
		25	0	20.02	20.00	20.00	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	23.13	23.10	23.04	24.60
		1	25	23.25	23.22	23.15	24.60
		1	49	22.84	22.82	22.72	24.60
		25	0	21.90	21.92	22.02	23.60
		25	13	22.20	22.18	22.25	23.60
		25	25	21.95	22.00	21.99	23.60
		50	0	22.13	22.12	22.11	23.60
	16QAM	1	0	22.21	22.13	22.05	23.60
		1	25	21.94	21.99	21.90	23.60
		1	49	22.31	22.25	22.29	23.60
		25	0	21.10	21.01	21.09	22.60
		25	13	21.07	20.98	20.99	22.60
		25	25	20.97	20.91	20.84	22.60
		50	0	20.99	21.00	20.92	22.60
	64QAM	1	0	21.12	21.15	21.18	22.60
		1	25	21.05	21.05	21.04	22.60
		1	49	21.18	21.15	21.06	22.60
		25	0	20.10	20.02	20.06	21.60
		25	13	20.17	20.13	20.04	21.60
		25	25	19.98	20.08	20.18	21.60
		50	0	20.05	19.99	20.05	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.10	23.10	23.05	24.60
		1	38	23.14	23.18	23.11	24.60
		1	74	22.81	22.91	22.84	24.60
		36	0	21.90	21.96	22.00	23.60
		36	18	22.05	22.11	22.05	23.60
		36	39	21.91	21.93	21.93	23.60
		75	0	22.29	22.22	22.19	23.60
	16QAM	1	0	22.28	22.21	22.13	23.60
		1	38	21.90	21.96	21.89	23.60
		1	74	22.13	22.19	22.15	23.60
		36	0	20.93	20.95	20.87	22.60
		36	18	21.06	21.07	21.05	22.60

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		36	39	20.92	20.96	21.00	22.60
		75	0	20.84	20.92	20.82	22.60
	64QAM	1	0	21.00	21.09	21.13	22.60
		1	38	21.02	21.03	21.03	22.60
		1	74	21.17	21.07	20.98	22.60
		36	0	19.90	19.99	19.97	21.60
		36	18	20.10	20.07	20.16	21.60
		36	39	20.17	20.10	20.08	21.60
		75	0	20.03	19.94	19.89	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	23.26	/	24.60
		1	50	/	23.15	/	24.60
		1	99	/	23.01	/	24.60
		50	0	/	22.46	/	23.60
		50	25	/	22.06	/	23.60
		50	50	/	21.97	/	23.60
		100	0	/	22.15	/	23.60
	16QAM	1	0	/	22.14	/	23.60
		1	50	/	21.99	/	23.60
		1	99	/	22.14	/	23.60
		50	0	/	20.97	/	22.60
		50	25	/	21.16	/	22.60
		50	50	/	20.96	/	22.60
		100	0	/	20.97	/	22.60
	64QAM	1	0	/	21.07	/	22.60
		1	50	/	21.01	/	22.60
		1	99	/	20.98	/	22.60
		50	0	/	20.01	/	21.60
		50	25	/	20.14	/	21.60
		50	50	/	20.11	/	21.60
		100	0	/	19.99	/	21.60

LTE Band 4 State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	22.41	22.50	22.56	24.10
		1	2	22.83	22.82	22.81	24.10
		1	5	22.57	22.65	22.56	24.10
		3	0	22.57	22.55	22.54	24.10
		3	2	22.20	22.27	22.37	24.10
		3	3	22.66	22.64	22.62	24.10
		6	0	21.92	21.95	21.93	23.60
	16QAM	1	0	22.23	22.15	22.15	23.60
		1	2	22.10	22.03	22.01	23.60
		1	5	22.28	22.24	22.18	23.60
		3	0	22.26	22.19	22.29	23.60
		3	2	21.93	21.98	21.94	23.60
		3	3	22.14	22.18	22.20	23.60



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	64QAM	6	0	21.44	21.39	21.33	22.60
		1	0	21.22	21.12	21.07	22.60
		1	2	21.00	21.05	20.95	22.60
		1	5	21.19	21.15	21.08	22.60
		3	0	21.14	21.17	21.22	22.60
		3	2	21.22	21.27	21.36	22.60
		3	3	21.24	21.20	21.12	22.60
		6	0	20.27	20.31	20.36	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	22.47	22.44	22.37	24.10
		1	7	22.72	22.72	22.64	24.10
		1	14	22.73	22.64	22.72	24.10
		8	0	22.13	22.07	22.07	23.60
		8	4	21.86	21.83	21.88	23.60
		8	7	22.12	22.16	22.13	23.60
		15	0	22.09	21.99	22.07	23.60
	16QAM	1	0	22.16	22.15	22.15	23.60
		1	7	22.00	22.03	22.05	23.60
		1	14	22.18	22.18	22.26	23.60
		8	0	21.20	21.16	21.06	22.60
		8	4	20.97	21.05	21.08	22.60
		8	7	21.11	21.10	21.17	22.60
		15	0	21.35	21.37	21.31	22.60
	64QAM	1	0	21.07	21.06	21.13	22.60
		1	7	20.98	21.05	21.14	22.60
		1	14	21.29	21.22	21.30	22.60
		8	0	20.26	20.20	20.23	21.60
		8	4	20.33	20.35	20.27	21.60
		8	7	20.15	20.22	20.15	21.60
		15	0	20.31	20.28	20.38	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	22.53	22.53	22.47	24.10
		1	13	22.72	22.71	22.68	24.10
		1	24	22.80	22.73	22.64	24.10
		12	0	22.03	22.07	22.09	23.60
		12	6	21.93	21.92	22.02	23.60
		12	13	22.28	22.25	22.15	23.60
		25	0	21.98	22.04	21.94	23.60
	16QAM	1	0	22.27	22.17	22.21	23.60
		1	13	22.17	22.08	22.03	23.60
		1	24	22.20	22.22	22.31	23.60
		12	0	21.15	21.22	21.16	22.60
		12	6	21.05	20.95	20.85	22.60
		12	13	21.11	21.11	21.12	22.60
		25	0	21.21	21.27	21.32	22.60
	64QAM	1	0	20.95	21.03	21.13	22.60
		1	13	21.15	21.05	20.97	22.60
		1	24	21.18	21.19	21.13	22.60



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		12	0	20.24	20.19	20.26	21.60
		12	6	20.37	20.29	20.36	21.60
		12	13	20.21	20.27	20.27	21.60
		25	0	20.27	20.19	20.12	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	22.57	22.50	22.56	24.10
		1	25	22.68	22.72	22.76	24.10
		1	49	22.67	22.71	22.81	24.10
		25	0	21.99	22.01	22.04	23.60
		25	13	21.93	22.02	22.12	23.60
		25	25	22.26	22.22	22.14	23.60
		50	0	21.95	21.94	21.96	23.60
	16QAM	1	0	22.25	22.21	22.17	23.60
		1	25	21.97	22.02	22.12	23.60
		1	49	22.20	22.12	22.11	23.60
		25	0	21.13	21.18	21.13	22.60
		25	13	20.91	20.98	21.00	22.60
		25	25	21.13	21.12	21.18	22.60
		50	0	21.40	21.30	21.25	22.60
	64QAM	1	0	21.04	21.12	21.18	22.60
		1	25	21.13	21.04	20.98	22.60
		1	49	21.14	21.14	21.17	22.60
		25	0	20.09	20.09	20.09	21.60
		25	13	20.34	20.30	20.21	21.60
		25	25	20.41	20.32	20.39	21.60
		50	0	20.22	20.16	20.16	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	22.64	22.58	22.62	24.10
		1	38	22.75	22.69	22.66	24.10
		1	74	22.71	22.65	22.68	24.10
		36	0	22.00	22.10	22.18	23.60
		36	18	22.05	22.05	22.02	23.60
		36	39	22.18	22.16	22.07	23.60
		75	0	21.95	22.02	22.02	23.60
	16QAM	1	0	22.23	22.25	22.20	23.60
		1	38	21.92	22.01	22.08	23.60
		1	74	22.06	22.04	22.06	23.60
		36	0	21.10	21.20	21.18	22.60
		36	18	21.07	21.05	21.04	22.60
		36	39	21.24	21.21	21.21	22.60
		75	0	21.28	21.24	21.33	22.60
	64QAM	1	0	21.15	21.09	21.09	22.60
		1	38	21.05	21.14	21.04	22.60
		1	74	21.17	21.24	21.21	22.60
		36	0	19.97	20.04	20.10	21.60
		36	18	20.36	20.30	20.20	21.60
		36	39	20.20	20.22	20.18	21.60
		75	0	20.22	20.23	20.21	21.60



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	22.85	/	24.10
		1	50	/	22.61	/	24.10
		1	99	/	22.59	/	24.10
		50	0	/	22.37	/	23.60
		50	25	/	22.13	/	23.60
		50	50	/	22.22	/	23.60
		100	0	/	22.06	/	23.60
	16QAM	1	0	/	22.18	/	23.60
		1	50	/	22.07	/	23.60
		1	99	/	22.14	/	23.60
		50	0	/	21.22	/	22.60
		50	25	/	21.06	/	22.60
		50	50	/	21.21	/	22.60
		100	0	/	21.21	/	22.60
	64QAM	1	0	/	21.08	/	22.60
		1	50	/	21.12	/	22.60
		1	99	/	21.21	/	22.60
		50	0	/	20.14	/	21.60
		50	25	/	20.23	/	21.60
		50	50	/	20.13	/	21.60
		100	0	/	20.25	/	21.60

LTE Band 7 State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	22.48	22.43	22.61	24.00
		1	13	22.29	22.53	22.54	24.00
		1	24	22.41	22.68	22.59	24.00
		12	0	21.51	21.50	21.70	23.00
		12	6	21.49	21.54	21.52	23.00
		12	13	21.54	21.44	21.50	23.00
		25	0	21.56	21.63	21.71	23.00
	16QAM	1	0	21.51	21.57	21.47	23.00
		1	13	21.63	21.58	21.54	23.00
		1	24	21.57	21.49	21.80	23.00
		12	0	20.51	20.53	20.67	22.00
		12	6	20.66	20.64	20.48	22.00
		12	13	20.73	20.55	20.59	22.00
		25	0	20.48	20.46	20.51	22.00
	64QAM	1	0	20.61	20.35	20.52	22.00
		1	13	20.63	20.55	20.64	22.00
		1	24	20.59	20.57	20.39	22.00
		12	0	19.39	19.70	19.52	21.00
		12	6	19.29	19.57	19.53	21.00
		12	13	19.64	19.52	19.42	21.00
		25	0	19.43	19.60	19.65	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				20800	21100	21400	
10MHz	QPSK	1	0	22.51	22.50	22.63	24.00
		1	25	22.38	22.47	22.51	24.00
		1	49	22.47	22.58	22.49	24.00
		25	0	21.50	21.59	21.69	23.00
		25	13	21.42	21.55	21.61	23.00
		25	25	21.45	21.40	21.50	23.00
		50	0	21.55	21.69	21.63	23.00
	16QAM	1	0	21.54	21.52	21.40	23.00
		1	25	21.59	21.51	21.47	23.00
		1	49	21.52	21.41	21.76	23.00
		25	0	20.55	20.59	20.67	22.00
		25	13	20.67	20.62	20.50	22.00
		25	25	20.68	20.64	20.55	22.00
		50	0	20.45	20.53	20.59	22.00
	64QAM	1	0	20.68	20.31	20.50	22.00
		1	25	20.58	20.63	20.68	22.00
		1	49	20.54	20.59	20.43	22.00
		25	0	19.47	19.61	19.47	21.00
		25	13	19.35	19.57	19.56	21.00
		25	25	19.65	19.58	19.49	21.00
		50	0	19.47	19.69	19.56	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	22.61	22.51	22.55	24.00
		1	38	22.41	22.47	22.52	24.00
		1	74	22.55	22.58	22.53	24.00
		36	0	21.54	21.52	21.72	23.00
		36	18	21.51	21.61	21.70	23.00
		36	39	21.47	21.43	21.51	23.00
		75	0	21.49	21.71	21.68	23.00
	16QAM	1	0	21.49	21.55	21.50	23.00
		1	38	21.58	21.60	21.55	23.00
		1	74	21.57	21.51	21.71	23.00
		36	0	20.53	20.58	20.58	22.00
		36	18	20.64	20.61	20.51	22.00
		36	39	20.66	20.73	20.64	22.00
		75	0	20.51	20.53	20.57	22.00
	64QAM	1	0	20.61	20.41	20.49	22.00
		1	38	20.54	20.73	20.67	22.00
		1	74	20.60	20.57	20.50	22.00
		36	0	19.43	19.65	19.56	21.00
		36	18	19.42	19.63	19.64	21.00
		36	39	19.71	19.53	19.46	21.00
		75	0	19.44	19.70	19.47	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	22.65	22.78	22.64	24.00
		1	50	22.48	22.49	22.48	24.00
		1	99	22.50	22.48	22.62	24.00



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		50	0	21.64	21.75	21.65	23.00
		50	25	21.50	21.52	21.63	23.00
		50	50	21.46	21.48	21.56	23.00
		100	0	21.51	21.63	21.62	23.00
	16QAM	1	0	21.50	21.62	21.55	23.00
		1	50	21.64	21.53	21.63	23.00
		1	99	21.55	21.50	21.66	23.00
		50	0	20.47	20.48	20.53	22.00
		50	25	20.65	20.52	20.58	22.00
		50	50	20.64	20.65	20.59	22.00
		100	0	20.48	20.56	20.50	22.00
	64QAM	1	0	20.58	20.51	20.53	22.00
		1	50	20.51	20.64	20.58	22.00
		1	99	20.57	20.64	20.47	22.00
		50	0	19.47	19.56	19.57	21.00
		50	25	19.45	19.55	19.61	21.00
		50	50	19.62	19.50	19.51	21.00
		100	0	19.47	19.64	19.56	21.00

LTE Band 7 State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	20.69	20.93	20.64	22.20
		1	13	20.64	20.75	20.87	22.20
		1	24	20.82	20.95	20.81	22.20
		12	0	20.73	20.80	20.88	22.20
		12	6	20.60	20.84	20.85	22.20
		12	13	20.55	20.69	20.85	22.20
		25	0	20.77	20.66	20.78	22.20
	16QAM	1	0	20.90	20.69	20.96	22.20
		1	13	20.61	20.73	20.53	22.20
		1	24	20.66	20.79	20.73	22.20
		12	0	20.57	20.57	20.63	22.00
		12	6	20.47	20.44	20.54	22.00
		12	13	20.64	20.59	20.59	22.00
		25	0	20.75	20.75	20.38	22.00
	64QAM	1	0	20.51	20.43	20.50	22.00
		1	13	20.55	20.61	20.75	22.00
		1	24	20.48	20.71	20.47	22.00
		12	0	19.58	19.45	19.77	21.00
		12	6	19.66	19.48	19.37	21.00
		12	13	19.54	19.47	19.57	21.00
		25	0	19.55	19.72	19.72	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	20.69	20.94	20.71	22.20
		1	25	20.69	20.83	20.93	22.20
		1	49	20.79	20.98	20.91	22.20
		25	0	20.80	20.85	20.86	22.20



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		25	13	20.62	20.84	20.90	22.20
		25	25	20.59	20.72	20.88	22.20
		50	0	20.67	20.73	20.83	22.20
	16QAM	1	0	20.88	20.59	20.96	22.20
		1	25	20.71	20.75	20.61	22.20
		1	49	20.71	20.80	20.66	22.20
		25	0	20.59	20.62	20.53	22.00
		25	13	20.44	20.40	20.63	22.00
		25	25	20.58	20.52	20.50	22.00
		50	0	20.66	20.69	20.46	22.00
	64QAM	1	0	20.56	20.53	20.56	22.00
		1	25	20.57	20.66	20.71	22.00
		1	49	20.45	20.70	20.51	22.00
		25	0	19.49	19.52	19.74	21.00
		25	13	19.66	19.46	19.38	21.00
		25	25	19.49	19.51	19.48	21.00
		50	0	19.50	19.64	19.64	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	20.64	20.86	20.72	22.20
		1	38	20.70	20.78	20.85	22.20
		1	74	20.79	20.91	20.88	22.20
		36	0	20.77	20.83	20.78	22.20
		36	18	20.65	20.89	20.86	22.20
		36	39	20.69	20.77	20.83	22.20
		75	0	20.74	20.65	20.77	22.20
	16QAM	1	0	20.80	20.64	20.92	22.20
		1	38	20.75	20.75	20.70	22.20
		1	74	20.81	20.88	20.73	22.20
		36	0	20.58	20.55	20.55	22.00
		36	18	20.51	20.50	20.60	22.00
		36	39	20.59	20.55	20.57	22.00
		75	0	20.60	20.61	20.44	22.00
	64QAM	1	0	20.58	20.43	20.48	22.00
		1	38	20.63	20.68	20.63	22.00
		1	74	20.43	20.64	20.52	22.00
		36	0	19.48	19.51	19.65	21.00
		36	18	19.61	19.51	19.48	21.00
		36	39	19.56	19.55	19.50	21.00
		75	0	19.57	19.61	19.71	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	20.91	20.99	20.85	22.20
		1	50	20.80	20.72	20.77	22.20
		1	99	20.86	20.83	20.81	22.20
		50	0	20.78	20.90	20.88	22.20
		50	25	20.70	20.83	20.81	22.20
		50	50	20.70	20.75	20.83	22.20
		100	0	20.77	20.87	20.71	22.20
	16QAM	1	0	20.79	20.71	20.82	22.20



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		1	50	20.71	20.72	20.79	22.20
		1	99	20.82	20.80	20.68	22.20
		50	0	20.58	20.50	20.55	22.00
		50	25	20.48	20.60	20.62	22.00
		50	50	20.50	20.65	20.54	22.00
		100	0	20.62	20.53	20.53	22.00
	64QAM	1	0	20.63	20.49	20.46	22.00
		1	50	20.56	20.63	20.56	22.00
		1	99	20.52	20.60	20.56	22.00
		50	0	19.57	19.56	19.63	21.00
		50	25	19.61	19.56	19.46	21.00
		50	50	19.65	19.65	19.58	21.00
		100	0	19.53	19.64	19.61	21.00

LTE Band 66 State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.21	23.00	22.88	24.60
		1	2	23.09	23.10	22.84	24.60
		1	5	23.06	23.11	22.91	24.60
		3	0	22.80	22.89	22.72	24.60
		3	1	23.08	23.03	23.10	24.60
		3	3	23.10	23.06	23.37	24.60
		6	0	21.86	21.86	21.78	23.60
	16QAM	1	0	21.97	22.06	21.78	23.60
		1	2	22.04	22.12	22.07	23.60
		1	5	21.86	21.83	22.01	23.60
		3	0	21.96	22.00	22.09	23.60
		3	1	21.63	22.10	21.82	23.60
		3	3	22.04	22.00	21.99	23.60
		6	0	20.73	20.95	20.96	22.60
	64QAM	1	0	20.89	20.90	21.00	22.60
		1	2	20.64	21.02	21.01	22.60
		1	5	20.90	20.78	21.18	22.60
		3	0	20.84	20.83	21.01	22.60
		3	1	20.95	20.80	21.03	22.60
		3	3	20.83	21.10	21.23	22.60
		6	0	19.84	19.91	20.23	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	23.16	23.05	22.91	24.60
		1	7	23.02	23.11	22.80	24.60
		1	14	23.05	23.13	22.96	24.60
		8	0	21.76	21.91	21.70	23.60
		8	4	22.11	22.07	22.13	23.60
		8	7	22.00	21.97	22.28	23.60
		15	0	21.87	21.86	21.86	23.60
	16QAM	1	0	22.03	22.02	21.79	23.60
		1	7	21.99	22.08	22.05	23.60



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		1	14	21.92	21.91	22.00	23.60
		8	0	20.89	21.02	21.00	22.60
		8	4	20.60	21.15	20.84	22.60
		8	7	21.06	21.04	21.08	22.60
		15	0	20.77	20.94	21.02	22.60
	64QAM	1	0	20.98	20.95	20.94	22.60
		1	7	20.72	21.02	20.96	22.60
		1	14	20.90	20.88	21.18	22.60
		8	0	19.78	19.86	20.08	21.60
		8	4	20.00	19.87	19.98	21.60
		8	7	19.86	20.05	20.13	21.60
		15	0	19.90	19.97	20.14	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	23.09	23.03	22.93	24.60
		1	13	23.03	23.03	22.74	24.60
		1	24	22.95	23.04	22.98	24.60
		12	0	21.83	21.91	21.77	23.60
		12	6	22.03	22.11	22.09	23.60
		12	13	22.07	21.88	22.20	23.60
		25	0	21.88	21.91	21.94	23.60
	16QAM	1	0	22.11	21.92	21.86	23.60
		1	13	21.98	22.01	22.13	23.60
		1	24	21.95	21.87	22.01	23.60
		12	0	20.83	21.10	20.97	22.60
		12	6	20.69	21.06	20.92	22.60
		12	13	21.03	21.05	20.99	22.60
		25	0	20.86	20.97	20.92	22.60
	64QAM	1	0	21.06	21.04	20.97	22.60
		1	13	20.71	21.10	21.01	22.60
		1	24	20.88	20.85	21.12	22.60
		12	0	19.78	19.76	20.10	21.60
		12	6	20.02	19.85	20.03	21.60
		12	13	19.87	20.00	20.08	21.60
		25	0	19.94	19.98	20.05	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.07	22.96	22.89	24.60
		1	25	22.94	22.97	22.83	24.60
		1	49	23.00	23.01	22.88	24.60
		25	0	21.76	21.99	21.78	23.60
		25	13	21.93	22.09	22.11	23.60
		25	25	22.13	21.97	22.13	23.60
		50	0	21.85	21.92	22.03	23.60
	16QAM	1	0	22.17	21.98	21.91	23.60
		1	25	21.94	22.05	22.08	23.60
		1	49	22.00	21.96	22.07	23.60
		25	0	20.91	21.09	20.90	22.60
		25	13	20.78	21.02	20.82	22.60
		25	25	21.07	21.00	20.95	22.60



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	64QAM	50	0	20.94	20.96	20.83	22.60
		1	0	21.01	20.94	20.96	22.60
		1	25	20.74	21.00	20.99	22.60
		1	49	20.78	20.92	21.06	22.60
		25	0	19.80	19.82	20.03	21.60
		25	13	19.99	19.95	19.97	21.60
		25	25	19.97	20.00	20.04	21.60
		50	0	19.84	19.88	20.04	21.60
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	23.06	22.91	22.93	24.60
		1	38	22.99	22.95	22.92	24.60
		1	74	22.91	23.06	22.82	24.60
		36	0	21.86	21.91	21.84	23.60
		36	18	21.85	21.99	22.07	23.60
		36	39	22.07	21.93	22.04	23.60
		75	0	21.89	21.92	21.94	23.60
	16QAM	1	0	22.08	22.06	21.88	23.60
		1	38	21.88	22.06	22.00	23.60
		1	74	22.02	22.01	22.01	23.60
		36	0	20.94	21.07	20.88	22.60
		36	18	20.87	21.03	20.88	22.60
		36	39	20.98	20.91	20.89	22.60
		75	0	20.89	20.94	20.88	22.60
	64QAM	1	0	20.98	20.93	20.98	22.60
		1	38	20.76	21.10	21.03	22.60
		1	74	20.78	20.85	20.98	22.60
		36	0	19.88	19.91	19.97	21.60
		36	18	19.99	19.95	19.88	21.60
		36	39	19.92	19.98	20.07	21.60
		75	0	19.86	19.92	19.98	21.60
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	23.01	23.42	22.95	24.60
		1	50	22.99	22.88	22.89	24.60
		1	99	22.85	22.96	22.89	24.60
		50	0	22.00	22.22	22.08	23.60
		50	25	21.90	21.98	22.02	23.60
		50	50	21.99	21.87	22.00	23.60
		100	0	21.99	22.08	22.02	23.60
	16QAM	1	0	21.98	22.00	21.89	23.60
		1	50	21.87	21.96	21.92	23.60
		1	99	22.04	22.02	22.00	23.60
		50	0	20.97	21.01	20.85	22.60
		50	25	20.85	20.93	20.91	22.60
		50	50	20.96	20.94	20.95	22.60
		100	0	20.89	21.01	20.85	22.60
	64QAM	1	0	20.99	21.01	20.98	22.60
		1	50	20.85	21.05	20.95	22.60
		1	99	20.88	20.95	20.90	22.60



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		50	0	19.88	19.91	19.95	21.60
		50	25	20.02	19.90	19.90	21.60
		50	50	19.99	19.90	20.05	21.60
		100	0	19.95	19.97	19.91	21.60

LTE Band 66 State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	22.46	22.56	22.58	24.10
		1	2	22.26	22.22	22.81	24.10
		1	5	22.47	22.56	22.39	24.10
		3	0	22.68	22.72	22.45	24.10
		3	1	22.64	22.64	22.36	24.10
		3	3	22.32	22.41	22.43	24.10
	16QAM	6	0	21.80	21.97	22.16	23.60
		1	0	22.06	22.36	21.71	23.60
		1	2	21.85	22.08	22.03	23.60
		1	5	21.79	22.01	21.93	23.60
		3	0	21.89	21.86	21.81	23.60
		3	1	21.83	21.72	22.02	23.60
	64QAM	3	3	22.06	22.06	21.98	23.60
		6	0	20.96	20.78	20.89	22.60
		1	0	20.94	21.03	20.92	22.60
		1	2	21.06	21.02	21.13	22.60
		1	5	20.96	21.15	21.16	22.60
		3	0	21.09	20.89	20.85	22.60
3MHz	QPSK	3	1	20.89	21.04	20.62	22.60
		3	3	21.21	21.05	20.71	22.60
		6	0	20.05	20.22	20.25	21.60
	16QAM	1	0	22.52	22.51	22.58	24.10
		1	7	22.33	22.30	22.75	24.10
		1	14	22.42	22.62	22.43	24.10
	64QAM	8	0	22.20	22.16	21.86	23.60
		8	4	22.17	22.13	21.96	23.60
		8	7	21.73	21.91	22.00	23.60
	QPSK	15	0	21.73	21.89	22.07	23.60
		1	0	22.00	22.28	21.72	23.60
		1	7	21.90	22.08	22.02	23.60
		1	14	21.80	21.91	22.02	23.60
		8	0	20.98	20.88	20.78	22.60
	16QAM	8	4	20.88	20.81	20.99	22.60
		8	7	21.05	21.16	20.98	22.60
		15	0	20.98	20.87	20.95	22.60
	64QAM	1	0	21.02	20.93	20.91	22.60
		1	7	21.07	21.09	21.06	22.60
		1	14	20.92	21.11	21.14	22.60
		8	0	20.01	19.89	19.93	21.60



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		8	4	19.81	20.01	19.72	21.60
		8	7	20.27	20.07	19.81	21.60
		15	0	20.02	19.66	20.16	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	22.50	22.46	22.55	24.10
		1	13	22.41	22.26	22.65	24.10
		1	24	22.34	22.59	22.41	24.10
		12	0	22.12	22.22	21.92	23.60
		12	6	22.15	22.11	22.01	23.60
		12	13	21.75	21.96	22.03	23.60
		25	0	21.73	21.79	21.98	23.60
	16QAM	1	0	22.08	22.20	21.79	23.60
		1	13	21.92	22.06	21.98	23.60
		1	24	21.79	21.88	21.92	23.60
		12	0	20.91	20.90	20.85	22.60
		12	6	20.85	20.77	21.08	22.60
		12	13	21.10	21.06	21.03	22.60
		25	0	21.01	20.92	21.02	22.60
	64QAM	1	0	20.95	20.99	20.97	22.60
		1	13	21.04	21.03	21.00	22.60
		1	24	20.82	21.03	21.09	22.60
		12	0	20.00	19.82	19.96	21.60
		12	6	19.79	19.93	19.70	21.60
		12	13	20.23	20.12	19.86	21.60
		25	0	19.96	19.72	20.18	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	22.48	22.46	22.50	24.10
		1	25	22.44	22.31	22.56	24.10
		1	49	22.34	22.53	22.36	24.10
		25	0	22.11	22.13	21.96	23.60
		25	13	22.07	22.13	22.00	23.60
		25	25	21.83	22.02	21.97	23.60
		50	0	21.80	21.89	21.95	23.60
	16QAM	1	0	22.05	22.12	21.84	23.60
		1	25	21.91	21.98	21.92	23.60
		1	49	21.78	21.82	21.82	23.60
		25	0	20.97	20.84	20.89	22.60
		25	13	20.92	20.82	20.99	22.60
		25	25	21.13	21.08	21.04	22.60
		50	0	21.09	21.00	21.03	22.60
	64QAM	1	0	20.89	20.90	20.90	22.60
		1	25	21.01	20.97	20.99	22.60
		1	49	20.92	21.02	21.08	22.60
		25	0	19.90	19.82	20.04	21.60
		25	13	19.89	19.95	19.70	21.60
		25	25	20.17	20.04	19.96	21.60
		50	0	19.86	19.82	20.14	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				132047	132322	132597	
15MHz	QPSK	1	0	22.48	22.55	22.46	24.10
		1	38	22.49	22.34	22.57	24.10
		1	74	22.41	22.52	22.43	24.10
		36	0	22.04	22.07	21.86	23.60
		36	18	22.08	22.05	22.06	23.60
		36	39	21.90	21.94	21.92	23.60
		75	0	21.86	21.95	22.02	23.60
	16QAM	1	0	22.07	22.12	21.93	23.60
		1	38	21.85	21.90	22.01	23.60
		1	74	21.86	21.88	21.84	23.60
		36	0	21.07	20.82	20.90	22.60
		36	18	20.92	20.77	20.96	22.60
		36	39	21.06	21.06	20.94	22.60
		75	0	21.00	20.94	21.00	22.60
	64QAM	1	0	20.96	20.97	20.94	22.60
		1	38	20.99	20.93	21.01	22.60
		1	74	20.97	21.06	20.98	22.60
		36	0	19.95	19.80	20.04	21.60
		36	18	19.88	19.99	19.78	21.60
		36	39	20.07	20.04	20.04	21.60
		75	0	19.90	19.89	20.11	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	22.77	22.84	22.79	24.10
		1	50	22.53	22.43	22.49	24.10
		1	99	22.36	22.54	22.48	24.10
		50	0	22.28	22.33	22.32	23.60
		50	25	22.03	22.00	21.98	23.60
		50	50	21.88	21.97	22.02	23.60
		100	0	21.96	22.19	21.95	23.60
	16QAM	1	0	22.02	22.03	21.88	23.60
		1	50	21.94	21.96	21.94	23.60
		1	99	21.86	21.91	21.92	23.60
		50	0	21.00	20.90	20.88	22.60
		50	25	20.93	20.87	20.91	22.60
		50	50	20.96	20.99	20.93	22.60
		100	0	21.03	20.90	20.96	22.60
	64QAM	1	0	20.91	20.95	20.85	22.60
		1	50	21.03	20.92	21.01	22.60
		1	99	21.00	21.06	21.00	22.60
		50	0	19.86	19.90	20.05	21.60
		50	25	19.93	19.96	19.85	21.60
		50	50	19.99	20.05	19.97	21.60
		100	0	19.86	19.98	20.01	21.60



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LTE Band 38 State1/4//7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	23.29	23.33	23.25	24.30
		1	13	23.25	23.19	23.27	24.30
		1	24	23.13	23.16	23.06	24.30
		12	0	22.25	22.23	22.25	23.30
		12	6	22.03	22.12	22.03	23.30
		12	13	22.14	22.18	22.28	23.30
		25	0	22.23	22.22	22.12	23.30
	16QAM	1	0	22.37	22.36	22.39	23.30
		1	13	22.25	22.24	22.16	23.30
		1	24	22.34	22.30	22.29	23.30
		12	0	21.11	21.06	21.07	22.30
		12	6	21.29	21.19	21.29	22.30
		12	13	21.20	21.25	21.18	22.30
		25	0	21.03	21.13	21.15	22.30
	64QAM	1	0	21.16	21.20	21.19	22.30
		1	13	21.25	21.18	21.11	22.30
		1	24	21.28	21.19	21.22	22.30
		12	0	20.19	20.17	20.10	21.30
		12	6	20.28	20.37	20.28	21.30
		12	13	20.06	19.96	20.02	21.30
		25	0	20.10	20.15	20.25	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	23.33	23.27	23.31	24.30
		1	25	23.25	23.18	23.13	24.30
		1	49	23.19	23.10	23.03	24.30
		25	0	22.25	22.20	22.15	23.30
		25	13	22.19	22.20	22.14	23.30
		25	25	22.29	22.28	22.31	23.30
		50	0	22.22	22.16	22.16	23.30
	16QAM	1	0	22.34	22.28	22.26	23.30
		1	25	22.17	22.26	22.29	23.30
		1	49	22.26	22.20	22.18	23.30
		25	0	21.14	21.15	21.19	22.30
		25	13	21.12	21.22	21.12	22.30
		25	25	21.13	21.16	21.07	22.30
		50	0	20.97	21.07	21.16	22.30
	64QAM	1	0	21.36	21.29	21.37	22.30
		1	25	21.17	21.12	21.14	22.30
		1	49	21.19	21.13	21.17	22.30
		25	0	20.15	20.08	20.04	21.30
		25	13	20.44	20.34	20.32	21.30
		25	25	19.96	20.06	19.98	21.30
		50	0	20.03	20.12	20.12	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				37825	38000	38175	
15MHz	QPSK	1	0	23.22	23.17	23.15	24.30
		1	38	23.24	23.20	23.19	24.30
		1	74	23.15	23.05	23.12	24.30
		36	0	22.26	22.19	22.11	23.30
		36	18	22.30	22.21	22.24	23.30
		36	39	22.33	22.27	22.19	23.30
		75	0	22.22	22.22	22.24	23.30
	16QAM	1	0	22.26	22.28	22.18	23.30
		1	38	22.32	22.25	22.34	23.30
		1	74	22.15	22.12	22.11	23.30
		36	0	21.12	21.14	21.21	22.30
		36	18	21.16	21.14	21.13	22.30
		36	39	21.18	21.13	21.16	22.30
		75	0	21.13	21.09	21.15	22.30
	64QAM	1	0	21.29	21.28	21.36	22.30
		1	38	21.14	21.10	21.15	22.30
		1	74	21.17	21.18	21.17	22.30
		36	0	20.14	20.08	20.08	21.30
		36	18	20.15	20.24	20.26	21.30
		36	39	20.03	20.05	20.04	21.30
		75	0	20.20	20.18	20.16	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	/	23.40	/	24.30
		1	50	/	23.24	/	24.30
		1	99	/	23.15	/	24.30
		50	0	/	22.26	/	23.30
		50	25	/	22.20	/	23.30
		50	50	/	22.21	/	23.30
		100	0	/	22.18	/	23.30
	16QAM	1	0	/	22.21	/	23.30
		1	50	/	22.20	/	23.30
		1	99	/	22.18	/	23.30
		50	0	/	21.06	/	22.30
		50	25	/	21.11	/	22.30
		50	50	/	21.07	/	22.30
		100	0	/	21.19	/	22.30
	64QAM	1	0	/	21.18	/	22.30
		1	50	/	21.14	/	22.30
		1	99	/	21.21	/	22.30
		50	0	/	20.18	/	21.30
		50	25	/	20.19	/	21.30
		50	50	/	20.15	/	21.30
		100	0	/	20.09	/	21.30



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LTE Band 41 2496 - 2690 State4/10				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	23.04	23.21	22.99	23.27	23.3	24.80
		1	13	23.19	23.22	22.92	23.18	23.15	24.80
		1	24	23.18	23.3	23.07	23.16	23.19	24.80
		12	0	22.11	21.98	22.27	22.27	22.08	23.80
		12	6	22.25	22.12	22.27	21.87	22.18	23.80
		12	13	21.98	22.18	21.99	22.16	22.24	23.80
		25	0	21.92	22.26	22.39	22.12	22.02	23.80
	16QAM	1	0	22.13	22.32	22.12	22.31	22.15	23.80
		1	13	22.07	22.1	22.37	22.17	22.2	23.80
		1	24	22.11	22.11	22.29	22.23	22.04	23.80
		12	0	21.15	21.21	21.22	21.12	21.28	22.80
		12	6	21.21	21.07	21.34	21.26	20.99	22.80
		12	13	21.2	21.25	21.14	21.24	21.17	22.80
		25	0	21.2	21.06	21.23	21.22	21.24	22.80
	64QAM	1	0	21.25	21.26	21.20	21.06	21.35	22.80
		1	13	21.03	21.29	21.15	21.03	21.11	22.80
		1	24	21.30	21.12	20.88	21.27	21.25	22.80
		12	0	20.01	20.24	20.32	20.22	20.12	21.80
		12	6	20.27	19.97	20.15	20.17	20.16	21.80
		12	13	20.13	20.00	20.20	20.11	19.99	21.80
		25	0	20.11	20.13	20.14	20.19	19.96	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	23.08	23.27	23.09	23.32	23.21	24.80
		1	25	23.23	23.12	22.99	23.11	23.18	24.80
		1	49	23.25	23.23	23.05	23.15	23.16	24.80
		25	0	22.18	22.02	22.28	22.25	22.12	23.80
		25	13	22.16	22.19	22.21	21.93	22.14	23.80
		25	25	22.05	22.2	21.95	22.15	22.16	23.80
		50	0	22.01	22.17	22.29	22.14	22.11	23.80
	16QAM	1	0	22.04	22.27	22.09	22.28	22.2	23.80
		1	25	21.97	22.17	22.27	22.08	22.15	23.80
		1	49	22.07	22.09	22.26	22.2	22.12	23.80
		25	0	21.25	21.11	21.28	21.12	21.18	22.80
		25	13	21.2	21.06	21.27	21.26	20.96	22.80
		25	25	21.13	21.22	21.22	21.34	21.19	22.80
		50	0	21.28	21.13	21.13	21.21	21.23	22.80
	64QAM	1	0	21.33	21.30	21.14	21.02	21.29	22.80
		1	25	21.03	21.23	21.05	21.00	21.16	22.80
		1	49	21.25	21.17	20.98	21.28	21.31	22.80
		25	0	20.03	20.23	20.23	20.20	20.19	21.80
		25	13	20.18	20.05	20.06	20.27	20.24	21.80
		25	25	20.15	20.00	20.22	20.04	20.05	21.80
		50	0	20.20	20.09	20.20	20.20	20.00	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	



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15MHz	QPSK	1	0	23.08	23.2	23.12	23.28	23.31	24.80
		1	38	23.15	23.12	23.04	23.18	23.27	24.80
		1	74	23.22	23.15	23.12	23.25	23.21	24.80
		36	0	22.17	22.04	22.29	22.19	22.19	23.80
		36	18	22.15	22.15	22.11	21.99	22.16	23.80
		36	39	22.12	22.17	21.98	22.22	22.17	23.80
		75	0	22.06	22.21	22.25	22.16	22.2	23.80
	16QAM	1	0	22.08	22.33	22.17	22.24	22.2	23.80
		1	38	22.05	22.16	22.18	22.05	22.24	23.80
		1	74	22.08	22.03	22.2	22.27	22.16	23.80
		36	0	21.23	21.12	21.22	21.11	21.13	22.80
		36	18	21.21	21.09	21.22	21.2	21.06	22.80
		36	39	21.19	21.14	21.14	21.33	21.21	22.80
		75	0	21.31	21.19	21.08	21.18	21.2	22.80
	64QAM	1	0	21.25	21.25	21.06	21.12	21.19	22.80
		1	38	20.98	21.33	21.12	20.96	21.11	22.80
		1	74	21.31	21.11	20.99	21.18	21.25	22.80
		36	0	20.09	20.21	20.20	20.18	20.11	21.80
		36	18	20.18	20.12	20.14	20.19	20.14	21.80
		36	39	20.14	20.06	20.15	20.08	20.11	21.80
		75	0	20.11	20.17	20.18	20.16	20.03	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	23.19	23.2	23.36	23.24	23.24	24.80
		1	50	23.18	23.08	23.11	23.13	23.15	24.80
		1	99	23.16	23.1	23.07	23.18	23.17	24.80
		50	0	22.2	22.33	22.44	22.15	22.21	23.80
		50	25	22.05	22.25	22.14	22.07	22.11	23.80
		50	50	22.17	22.21	22.05	22.14	22.16	23.80
		100	0	22.14	22.26	22.35	22.15	22.21	23.80
	16QAM	1	0	22.11	22.24	22.12	22.23	22.13	23.80
		1	50	22.06	22.23	22.19	22.11	22.21	23.80
		1	99	22.13	22.12	22.11	22.24	22.2	23.80
		50	0	21.21	21.11	21.13	21.16	21.14	22.80
		50	25	21.22	21.16	21.19	21.21	21.08	22.80
		50	50	21.16	21.13	21.14	21.24	21.21	22.80
		100	0	21.22	21.23	21.06	21.09	21.24	22.80
	64QAM	1	0	21.20	21.18	21.16	21.14	21.20	22.80
		1	50	21.05	21.23	21.18	21.06	21.07	22.80
		1	99	21.25	21.14	21.09	21.24	21.15	22.80
		50	0	20.19	20.16	20.10	20.08	20.13	21.80
		50	25	20.15	20.20	20.15	20.20	20.08	21.80
		50	50	20.19	20.12	20.18	20.18	20.13	21.80
		100	0	20.21	20.10	20.24	20.19	20.08	21.80



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	22.58	22.77	22.81	23.01	22.8	24.30
		1	13	22.8	22.71	22.46	22.83	22.67	24.30
		1	24	22.62	22.88	22.78	22.78	22.72	24.30
		12	0	22.37	22.14	22.25	22.38	22.25	23.80
		12	6	22.48	22.28	22.08	22.32	22.4	23.80
		12	13	22.29	22.28	22.24	22.19	22.27	23.80
		25	0	22.3	22.15	22.22	22.39	22.35	23.80
	16QAM	1	0	22.26	22.14	22.13	22.19	22.41	23.80
		1	13	22.2	22	22.12	22.26	22.4	23.80
		1	24	22.12	22.17	22.33	22.28	22.26	23.80
		12	0	21.14	21.18	21.1	21	21.27	22.80
		12	6	21.14	21.25	21.25	21.15	21.04	22.80
		12	13	21.19	21.29	21.38	21.19	21.19	22.80
		25	0	21.23	21.1	21.32	21.14	21.29	22.80
	64QAM	1	0	21.38	21.35	21.36	21.11	21.24	22.80
		1	13	21.28	21.19	21.14	21.25	21.30	22.80
		1	24	21.33	21.31	21.17	21.32	21.34	22.80
		12	0	20.25	20.27	20.12	20.15	20.30	21.80
		12	6	20.11	20.58	20.21	20.16	20.13	21.80
		12	13	20.14	20.37	20.26	20.48	20.43	21.80
		25	0	20.30	20.26	20.09	20.21	20.39	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	22.67	22.68	22.85	22.91	22.8	24.30
		1	25	22.75	22.77	22.5	22.88	22.71	24.30
		1	49	22.7	22.87	22.75	22.78	22.69	24.30
		25	0	22.32	22.18	22.3	22.4	22.25	23.80
		25	13	22.42	22.19	22.18	22.33	22.4	23.80
		25	25	22.27	22.35	22.26	22.28	22.29	23.80
		50	0	22.37	22.19	22.17	22.35	22.43	23.80
	16QAM	1	0	22.21	22.2	22.22	22.09	22.34	23.80
		1	25	22.16	22.05	22.13	22.2	22.31	23.80
		1	49	22.19	22.12	22.35	22.28	22.19	23.80
		25	0	21.04	21.23	21.1	21	21.35	22.80
		25	13	21.1	21.15	21.28	21.18	21.1	22.80
		25	25	21.16	21.31	21.41	21.14	21.23	22.80
		50	0	21.25	21.09	21.35	21.19	21.35	22.80
	64QAM	1	0	21.39	21.27	21.31	21.14	21.33	22.80
		1	25	21.33	21.19	21.19	21.25	21.33	22.80
		1	49	21.31	21.37	21.23	21.41	21.24	22.80
		25	0	20.32	20.23	20.12	20.19	20.32	21.80
		25	13	20.17	20.50	20.26	20.07	20.13	21.80
		25	25	20.19	20.30	20.28	20.40	20.37	21.80
		50	0	20.37	20.21	20.11	20.13	20.29	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	



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15MHz	QPSK	1	0	22.59	22.72	22.92	22.84	22.71	24.30
		1	38	22.69	22.78	22.56	22.79	22.71	24.30
		1	74	22.64	22.78	22.8	22.76	22.79	24.30
		36	0	22.27	22.27	22.26	22.36	22.18	23.80
		36	18	22.39	22.26	22.26	22.24	22.31	23.80
		36	39	22.25	22.26	22.18	22.26	22.25	23.80
		75	0	22.29	22.24	22.27	22.38	22.34	23.80
	16QAM	1	0	22.23	22.29	22.23	22.17	22.26	23.80
		1	38	22.21	22.13	22.09	22.24	22.22	23.80
		1	74	22.12	22.11	22.32	22.29	22.15	23.80
		36	0	21.09	21.33	21.17	21.1	21.34	22.80
		36	18	21.17	21.13	21.37	21.22	21.1	22.80
		36	39	21.2	21.29	21.37	21.14	21.26	22.80
		75	0	21.32	21.19	21.27	21.15	21.29	22.80
	64QAM	1	0	21.30	21.22	21.30	21.18	21.38	22.80
		1	38	21.37	21.28	21.18	21.34	21.29	22.80
		1	74	21.24	21.38	21.29	21.34	21.32	22.80
		36	0	20.30	20.32	20.13	20.20	20.32	21.80
		36	18	20.16	20.41	20.34	20.16	20.19	21.80
		36	39	20.20	20.24	20.27	20.42	20.29	21.80
		75	0	20.34	20.15	20.16	20.15	20.34	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	22.68	22.87	22.94	22.82	22.76	24.30
		1	50	22.66	22.83	22.66	22.76	22.70	24.30
		1	99	22.72	22.74	22.77	22.81	22.71	24.30
		50	0	22.34	22.24	22.49	22.31	22.37	23.80
		50	25	22.26	22.16	22.31	22.27	22.28	23.80
		50	50	22.16	22.13	22.17	22.16	22.26	23.80
		100	0	22.33	22.24	22.39	22.34	22.28	23.80
	16QAM	1	0	22.30	22.29	22.15	22.20	22.25	23.80
		1	50	22.20	22.18	22.16	22.24	22.26	23.80
		1	99	22.20	22.19	22.24	22.19	22.17	23.80
		50	0	21.15	21.35	21.22	21.19	21.31	22.80
		50	25	21.21	21.16	21.28	21.19	21.20	22.80
		50	50	21.29	21.28	21.34	21.19	21.21	22.80
		100	0	21.23	21.28	21.26	21.19	21.19	22.80
	64QAM	1	0	21.20	21.21	21.20	21.22	21.30	22.80
		1	50	21.29	21.30	21.25	21.32	21.32	22.80
		1	99	21.24	21.31	21.35	21.30	21.33	22.80
		50	0	20.31	20.24	20.15	20.25	20.27	21.80
		50	25	20.20	20.32	20.27	20.18	20.20	21.80
		50	50	20.19	20.19	20.36	20.33	20.31	21.80
		100	0	20.32	20.18	20.21	20.17	20.30	21.80



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LTE Band 2 State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	22.53	22.66	22.46	24.30
		1	2	22.89	22.61	22.79	24.30
		1	5	22.64	22.68	22.82	24.30
		3	0	22.68	22.63	22.71	24.30
		3	2	22.55	22.83	22.95	24.30
		3	3	22.64	22.70	22.54	24.30
		6	0	21.64	21.73	21.57	23.30
	16QAM	1	0	21.94	21.72	21.93	23.30
		1	2	21.55	21.68	21.81	23.30
		1	5	21.78	21.79	21.69	23.30
		3	0	21.74	21.63	21.91	23.30
		3	2	21.88	21.83	21.74	23.30
		3	3	22.03	21.69	21.72	23.30
		6	0	20.53	20.78	21.07	22.30
	64QAM	1	0	20.91	20.68	20.90	22.30
		1	2	20.58	20.69	20.76	22.30
		1	5	20.57	20.65	20.62	22.30
		3	0	20.78	20.82	20.48	22.30
		3	2	20.92	20.69	20.61	22.30
		3	3	20.97	20.87	20.83	22.30
		6	0	19.77	19.74	19.90	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	22.58	22.74	22.53	24.30
		1	7	22.85	22.58	22.89	24.30
		1	14	22.67	22.77	22.77	24.30
		8	0	21.73	21.58	21.80	23.30
		8	4	21.62	21.83	22.00	23.30
		8	7	21.66	21.78	21.62	23.30
		15	0	21.70	21.69	21.48	23.30
	16QAM	1	0	21.87	21.67	21.91	23.30
		1	7	21.60	21.67	21.85	23.30
		1	14	21.80	21.81	21.76	23.30
		8	0	20.65	20.57	20.87	22.30
		8	4	20.82	20.80	20.79	22.30
		8	7	20.94	20.66	20.67	22.30
		15	0	20.63	20.75	20.99	22.30
	64QAM	1	0	20.81	20.59	20.92	22.30
		1	7	20.56	20.76	20.72	22.30
		1	14	20.65	20.60	20.58	22.30
		8	0	19.84	19.74	19.54	21.30
		8	4	19.86	19.63	19.67	21.30
		8	7	19.95	19.88	19.79	21.30
		15	0	19.73	19.74	19.85	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				18625	18900	19175	
5MHz	QPSK	1	0	22.58	22.72	22.61	24.30
		1	13	22.77	22.49	22.80	24.30
		1	24	22.67	22.82	22.76	24.30
		12	0	21.71	21.64	21.75	23.30
		12	6	21.69	21.81	21.94	23.30
		12	13	21.65	21.82	21.71	23.30
		25	0	21.74	21.76	21.58	23.30
	16QAM	1	0	21.89	21.59	21.86	23.30
		1	13	21.68	21.66	21.78	23.30
		1	24	21.84	21.88	21.71	23.30
		12	0	20.67	20.63	20.82	22.30
		12	6	20.84	20.84	20.39	22.30
		12	13	20.87	20.67	20.62	22.30
		25	0	20.69	20.79	21.07	22.30
	64QAM	1	0	20.75	20.63	20.89	22.30
		1	13	20.49	20.70	20.76	22.30
		1	24	20.71	20.62	20.56	22.30
		12	0	19.79	19.69	19.64	21.30
		12	6	19.79	19.56	19.63	21.30
		12	13	19.88	19.88	19.77	21.30
		25	0	19.82	19.71	19.76	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	22.68	22.64	22.65	24.30
		1	25	22.85	22.59	22.82	24.30
		1	49	22.58	22.84	22.70	24.30
		25	0	21.63	21.58	21.81	23.30
		25	13	21.78	21.75	21.84	23.30
		25	25	21.60	21.82	21.77	23.30
		50	0	21.64	21.74	21.64	23.30
	16QAM	1	0	21.86	21.58	21.84	23.30
		1	25	21.67	21.69	21.77	23.30
		1	49	21.74	21.92	21.73	23.30
		25	0	20.77	20.62	20.79	22.30
		25	13	20.89	20.82	20.49	22.30
		25	25	20.84	20.73	20.60	22.30
		50	0	20.79	20.79	21.00	22.30
	64QAM	1	0	20.78	20.70	20.98	22.30
		1	25	20.57	20.60	20.72	22.30
		1	49	20.63	20.58	20.53	22.30
		25	0	19.70	19.60	19.68	21.30
		25	13	19.77	19.66	19.66	21.30
		25	25	19.90	19.80	19.77	21.30
		50	0	19.81	19.81	19.75	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	22.64	22.72	22.73	24.30
		1	38	22.76	22.69	22.83	24.30
		1	74	22.65	22.78	22.80	24.30



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		36	0	21.73	21.63	21.91	23.30
		36	18	21.77	21.71	21.85	23.30
		36	39	21.65	21.73	21.80	23.30
		75	0	21.68	21.77	21.64	23.30
	16QAM	1	0	21.78	21.68	21.77	23.30
		1	38	21.66	21.69	21.73	23.30
		1	74	21.81	21.89	21.75	23.30
		36	0	20.80	20.60	20.77	22.30
		36	18	20.81	20.76	20.59	22.30
		36	39	20.84	20.81	20.69	22.30
		75	0	20.84	20.72	20.92	22.30
		1	0	20.87	20.75	20.88	22.30
	64QAM	1	38	20.57	20.64	20.78	22.30
		1	74	20.61	20.66	20.62	22.30
		36	0	19.76	19.68	19.72	21.30
		36	18	19.77	19.76	19.72	21.30
		36	39	19.86	19.86	19.69	21.30
		75	0	19.74	19.88	19.81	21.30
		1	0	23.04	23.11	23.07	24.30
		1	50	22.82	22.79	22.81	24.30
		1	99	22.70	22.78	22.85	24.30
		50	0	21.96	22.07	22.03	23.30
		50	25	21.73	21.79	21.82	23.30
		50	50	21.67	21.80	21.79	23.30
		100	0	21.77	21.79	21.65	23.30
		1	0	21.76	21.66	21.72	23.30
		1	50	21.65	21.68	21.83	23.30
		1	99	21.82	21.79	21.81	23.30
		50	0	20.78	20.66	20.68	22.30
		50	25	20.82	20.75	20.68	22.30
		50	50	20.82	20.80	20.69	22.30
		100	0	20.74	20.78	20.85	22.30
		1	0	20.80	20.75	20.84	22.30
		1	50	20.66	20.73	20.75	22.30
		1	99	20.66	20.70	20.71	22.30
		50	0	19.75	19.73	19.66	21.30
		50	25	19.74	19.71	19.67	21.30
		50	50	19.86	19.81	19.79	21.30
		100	0	19.70	19.78	19.82	21.30

LTE Band 2 State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	19.35	19.28	19.57	20.90
		1	2	19.42	19.44	19.12	20.90
		1	5	19.27	19.51	19.20	20.90
		3	0	19.55	19.48	19.46	20.90



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		3	2	19.72	19.36	19.50	20.90
		3	3	19.43	19.52	19.16	20.90
		6	0	19.61	19.63	19.35	20.90
	16QAM	1	0	19.54	19.21	19.24	20.90
		1	2	19.35	19.38	19.47	20.90
		1	5	19.30	19.26	19.71	20.90
		3	0	19.60	19.36	19.47	20.90
		3	2	19.42	19.33	18.92	20.90
		3	3	19.40	19.47	19.55	20.90
		6	0	19.27	19.22	19.27	20.90
	64QAM	1	0	19.04	19.52	19.41	20.90
		1	2	19.50	19.28	19.67	20.90
		1	5	19.67	19.36	19.42	20.90
		3	0	19.25	19.54	19.51	20.90
		3	2	19.25	19.40	19.23	20.90
		3	3	19.27	19.36	19.08	20.90
		6	0	19.39	19.23	19.42	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	19.30	19.36	19.47	20.90
		1	7	19.40	19.42	19.14	20.90
		1	14	19.26	19.45	19.30	20.90
		8	0	19.57	19.56	19.44	20.90
		8	4	19.69	19.36	19.42	20.90
		8	7	19.39	19.58	19.26	20.90
		15	0	19.52	19.66	19.43	20.90
	16QAM	1	0	19.52	19.30	19.32	20.90
		1	7	19.44	19.30	19.40	20.90
		1	14	19.23	19.26	19.67	20.90
		8	0	19.54	19.30	19.38	20.90
		8	4	19.42	19.29	18.94	20.90
		8	7	19.37	19.54	19.58	20.90
		15	0	19.32	19.22	19.22	20.90
	64QAM	1	0	19.11	19.54	19.41	20.90
		1	7	19.41	19.35	19.71	20.90
		1	14	19.62	19.34	19.34	20.90
		8	0	19.18	19.52	19.45	20.90
		8	4	19.27	19.49	19.31	20.90
		8	7	19.28	19.33	19.18	20.90
		15	0	19.31	19.25	19.43	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	19.33	19.30	19.49	20.90
		1	13	19.37	19.43	19.21	20.90
		1	24	19.28	19.48	19.30	20.90
		12	0	19.48	19.53	19.40	20.90
		12	6	19.71	19.46	19.39	20.90
		12	13	19.39	19.49	19.34	20.90
		25	0	19.47	19.62	19.33	20.90
	16QAM	1	0	19.51	19.32	19.42	20.90



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		1	13	19.39	19.36	19.33	20.90
		1	24	19.24	19.31	19.61	20.90
		12	0	19.45	19.36	19.43	20.90
		12	6	19.41	19.20	19.02	20.90
		12	13	19.39	19.46	19.56	20.90
		25	0	19.29	19.31	19.24	20.90
	64QAM	1	0	19.09	19.49	19.31	20.90
		1	13	19.32	19.40	19.61	20.90
		1	24	19.56	19.26	19.35	20.90
		12	0	19.28	19.48	19.44	20.90
		12	6	19.28	19.39	19.30	20.90
		12	13	19.26	19.38	19.19	20.90
		25	0	19.31	19.26	19.33	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	19.27	19.22	19.45	20.90
		1	25	19.42	19.37	19.22	20.90
		1	49	19.26	19.43	19.39	20.90
		25	0	19.42	19.46	19.46	20.90
		25	13	19.63	19.44	19.36	20.90
		25	25	19.30	19.42	19.38	20.90
		50	0	19.47	19.53	19.40	20.90
	16QAM	1	0	19.44	19.42	19.52	20.90
		1	25	19.36	19.34	19.33	20.90
		1	49	19.32	19.27	19.55	20.90
		25	0	19.46	19.30	19.42	20.90
		25	13	19.35	19.21	19.12	20.90
		25	25	19.33	19.37	19.50	20.90
		50	0	19.39	19.37	19.21	20.90
	64QAM	1	0	19.16	19.58	19.37	20.90
		1	25	19.35	19.31	19.57	20.90
		1	49	19.55	19.26	19.28	20.90
		25	0	19.21	19.48	19.42	20.90
		25	13	19.34	19.30	19.30	20.90
		25	25	19.23	19.46	19.26	20.90
		50	0	19.39	19.31	19.27	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	19.25	19.31	19.46	20.90
		1	38	19.52	19.34	19.26	20.90
		1	74	19.25	19.43	19.42	20.90
		36	0	19.34	19.36	19.36	20.90
		36	18	19.55	19.41	19.43	20.90
		36	39	19.37	19.42	19.41	20.90
		75	0	19.52	19.56	19.36	20.90
	16QAM	1	0	19.40	19.32	19.45	20.90
		1	38	19.36	19.36	19.36	20.90
		1	74	19.37	19.37	19.45	20.90
		36	0	19.45	19.40	19.38	20.90
		36	18	19.37	19.30	19.21	20.90



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		36	39	19.38	19.31	19.50	20.90
		75	0	19.32	19.39	19.31	20.90
	64QAM	1	0	19.21	19.50	19.39	20.90
		1	38	19.25	19.41	19.49	20.90
		1	74	19.51	19.18	19.38	20.90
		36	0	19.25	19.38	19.47	20.90
		36	18	19.36	19.39	19.28	20.90
		36	39	19.32	19.51	19.33	20.90
		75	0	19.41	19.34	19.26	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	19.73	19.76	19.68	20.90
		1	50	19.42	19.35	19.35	20.90
		1	99	19.28	19.33	19.32	20.90
		50	0	19.55	19.61	19.58	20.90
		50	25	19.45	19.32	19.42	20.90
		50	50	19.39	19.36	19.33	20.90
		100	0	19.46	19.56	19.28	20.90
	16QAM	1	0	19.30	19.25	19.35	20.90
		1	50	19.35	19.26	19.35	20.90
		1	99	19.34	19.43	19.43	20.90
		50	0	19.42	19.37	19.30	20.90
		50	25	19.27	19.32	19.31	20.90
		50	50	19.43	19.34	19.40	20.90
		100	0	19.28	19.41	19.29	20.90
	64QAM	1	0	19.26	19.46	19.38	20.90
		1	50	19.35	19.34	19.41	20.90
		1	99	19.44	19.27	19.42	20.90
		50	0	19.29	19.35	19.37	20.90
		50	25	19.45	19.31	19.27	20.90
		50	50	19.42	19.44	19.27	20.90
		100	0	19.31	19.38	19.30	20.90

LTE Band 4 State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	22.68	22.73	22.83	24.60
		1	2	22.88	22.87	22.91	24.60
		1	5	22.72	22.72	22.66	24.60
		3	0	23.01	22.82	22.79	24.60
		3	2	22.82	22.76	22.80	24.60
		3	3	22.87	22.90	22.81	24.60
		6	0	21.77	21.76	21.71	23.60
	16QAM	1	0	22.15	22.13	22.18	23.60
		1	2	22.03	22.02	21.94	23.60
		1	5	22.09	22.09	22.13	23.60
		3	0	21.74	21.76	21.79	23.60
		3	2	21.92	21.94	21.92	23.60
		3	3	21.93	22.02	21.92	23.60



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	64QAM	6	0	21.16	21.07	21.12	22.60
		1	0	20.93	21.02	21.01	22.60
		1	2	20.90	20.88	20.89	22.60
		1	5	21.19	21.16	21.20	22.60
		3	0	20.97	20.88	20.78	22.60
		3	2	20.87	20.95	20.91	22.60
		3	3	21.21	21.27	21.29	22.60
		6	0	20.20	20.14	20.12	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	22.70	22.80	22.87	24.60
		1	7	22.77	22.81	22.86	24.60
		1	14	22.69	22.77	22.68	24.60
		8	0	21.71	21.79	21.82	23.60
		8	4	21.84	21.88	21.78	23.60
		8	7	22.02	22.01	22.10	23.60
		15	0	21.71	21.69	21.60	23.60
	16QAM	1	0	22.09	22.18	22.28	23.60
		1	7	21.95	21.95	21.90	23.60
		1	14	22.01	22.05	21.98	23.60
		8	0	20.83	20.79	20.81	22.60
		8	4	20.84	20.89	20.97	22.60
		8	7	21.00	21.02	21.12	22.60
		15	0	21.19	21.11	21.14	22.60
	64QAM	1	0	21.03	20.99	20.98	22.60
		1	7	20.91	20.82	20.75	22.60
		1	14	21.13	21.14	21.17	22.60
		8	0	20.01	19.97	19.94	21.60
		8	4	19.77	19.87	19.89	21.60
		8	7	20.20	20.30	20.36	21.60
		15	0	20.04	20.05	20.03	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	22.84	22.74	22.73	24.60
		1	13	22.95	22.90	22.97	24.60
		1	24	22.67	22.74	22.72	24.60
		12	0	21.84	21.89	21.91	23.60
		12	6	21.78	21.83	21.73	23.60
		12	13	22.09	21.99	22.06	23.60
		25	0	21.74	21.73	21.79	23.60
	16QAM	1	0	22.07	22.15	22.15	23.60
		1	13	21.92	21.86	21.94	23.60
		1	24	22.15	22.11	22.11	23.60
		12	0	20.90	20.87	20.89	22.60
		12	6	20.90	20.93	21.00	22.60
		12	13	20.87	20.92	20.83	22.60
		25	0	20.99	21.07	21.03	22.60
	64QAM	1	0	20.85	20.92	20.95	22.60
		1	13	20.94	20.90	20.91	22.60
		1	24	21.05	21.08	21.03	22.60



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		12	0	19.99	19.89	19.98	21.60
		12	6	20.02	19.96	20.03	21.60
		12	13	20.16	20.20	20.28	21.60
		25	0	20.03	20.09	20.19	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	22.78	22.84	22.74	24.60
		1	25	22.98	22.90	22.90	24.60
		1	49	22.65	22.74	22.71	24.60
		25	0	21.89	21.88	21.80	23.60
		25	13	21.89	21.91	21.92	23.60
		25	25	22.01	22.04	21.98	23.60
		50	0	21.82	21.83	21.82	23.60
	16QAM	1	0	22.06	22.06	22.02	23.60
		1	25	21.92	21.87	21.77	23.60
		1	49	22.01	22.03	21.95	23.60
		25	0	20.98	20.91	20.93	22.60
		25	13	21.03	20.94	20.93	22.60
		25	25	20.93	20.99	20.91	22.60
		50	0	21.04	20.99	20.98	22.60
	64QAM	1	0	20.92	20.94	20.98	22.60
		1	25	20.99	20.97	21.01	22.60
		1	49	21.06	20.98	20.95	22.60
		25	0	19.85	19.92	19.86	21.60
		25	13	19.92	19.95	19.89	21.60
		25	25	20.22	20.19	20.10	21.60
		50	0	19.94	20.01	20.08	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	22.91	22.86	22.96	24.60
		1	38	22.81	22.80	22.87	24.60
		1	74	22.87	22.84	22.81	24.60
		36	0	21.81	21.89	21.97	23.60
		36	18	21.81	21.86	21.88	23.60
		36	39	22.02	21.97	21.90	23.60
		75	0	21.84	21.80	21.74	23.60
	16QAM	1	0	21.88	21.98	22.06	23.60
		1	38	21.84	21.84	21.84	23.60
		1	74	21.95	22.04	21.98	23.60
		36	0	20.99	20.94	20.93	22.60
		36	18	20.89	20.98	20.92	22.60
		36	39	21.04	21.03	20.96	22.60
		75	0	20.82	20.92	20.91	22.60
	64QAM	1	0	21.05	20.96	20.98	22.60
		1	38	20.96	20.97	20.95	22.60
		1	74	20.92	20.93	20.97	22.60
		36	0	20.00	19.99	20.02	21.60
		36	18	19.90	19.89	19.91	21.60
		36	39	20.17	20.09	20.18	21.60
		75	0	20.03	20.07	20.03	21.60



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	23.08	/	24.60
		1	50	/	22.89	/	24.60
		1	99	/	22.86	/	24.60
		50	0	/	21.97	/	23.60
		50	25	/	21.89	/	23.60
		50	50	/	21.95	/	23.60
		100	0	/	21.88	/	23.60
	16QAM	1	0	/	21.91	/	23.60
		1	50	/	21.92	/	23.60
		1	99	/	21.99	/	23.60
		50	0	/	20.92	/	22.60
		50	25	/	20.89	/	22.60
		50	50	/	20.98	/	22.60
		100	0	/	21.01	/	22.60
	64QAM	1	0	/	20.99	/	22.60
		1	50	/	21.05	/	22.60
		1	99	/	20.88	/	22.60
		50	0	/	20.01	/	21.60
		50	25	/	19.95	/	21.60
		50	50	/	20.02	/	21.60
		100	0	/	20.06	/	21.60

LTE Band 4 State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	21.63	21.64	21.72	23.20
		1	2	21.78	21.79	21.85	23.20
		1	5	21.57	21.52	21.42	23.20
		3	0	21.68	21.74	21.70	23.20
		3	2	21.72	21.62	21.71	23.20
		3	3	21.58	21.52	21.53	23.20
		6	0	21.60	21.57	21.56	23.20
	16QAM	1	0	21.87	21.93	21.89	23.20
		1	2	21.44	21.39	21.44	23.20
		1	5	21.64	21.61	21.60	23.20
		3	0	21.61	21.55	21.47	23.20
		3	2	21.75	21.67	21.72	23.20
		3	3	21.47	21.41	21.43	23.20
		6	0	21.38	21.31	21.25	22.60
	64QAM	1	0	20.91	20.95	20.99	22.60
		1	2	21.32	21.25	21.16	22.60
		1	5	21.04	21.02	20.94	22.60
		3	0	20.71	20.69	20.79	22.60
		3	2	21.06	21.02	21.03	22.60
		3	3	21.32	21.41	21.50	22.60
		6	0	20.20	20.12	20.16	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				19965	20175	20385	
3MHz	QPSK	1	0	21.57	21.60	21.65	23.20
		1	7	21.77	21.73	21.83	23.20
		1	14	21.61	21.56	21.48	23.20
		8	0	21.75	21.71	21.62	23.20
		8	4	21.64	21.62	21.60	23.20
		8	7	21.58	21.58	21.62	23.20
		15	0	21.54	21.61	21.55	23.20
	16QAM	1	0	21.85	21.83	21.92	23.20
		1	7	21.49	21.49	21.56	23.20
		1	14	21.75	21.65	21.56	23.20
		8	0	20.94	21.02	21.12	22.60
		8	4	21.16	21.14	21.08	22.60
		8	7	20.99	20.89	20.87	22.60
		15	0	21.18	21.24	21.14	22.60
	64QAM	1	0	20.93	20.85	20.76	22.60
		1	7	21.24	21.19	21.18	22.60
		1	14	21.09	21.03	21.11	22.60
		8	0	19.78	19.73	19.80	21.60
		8	4	19.97	19.94	20.00	21.60
		8	7	20.34	20.33	20.40	21.60
		15	0	20.09	20.02	19.93	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	21.61	21.66	21.56	23.20
		1	13	21.64	21.72	21.77	23.20
		1	24	21.54	21.55	21.57	23.20
		12	0	21.59	21.65	21.60	23.20
		12	6	21.66	21.64	21.66	23.20
		12	13	21.58	21.50	21.43	23.20
		25	0	21.67	21.64	21.69	23.20
	16QAM	1	0	21.76	21.74	21.70	23.20
		1	13	21.45	21.49	21.42	23.20
		1	24	21.71	21.64	21.65	23.20
		12	0	20.94	20.94	21.04	22.60
		12	6	21.15	21.23	21.27	22.60
		12	13	20.85	20.92	20.93	22.60
		25	0	21.19	21.19	21.26	22.60
	64QAM	1	0	20.84	20.85	20.86	22.60
		1	13	21.16	21.18	21.17	22.60
		1	24	20.84	20.94	20.98	22.60
		12	0	19.82	19.74	19.69	21.60
		12	6	20.03	19.96	19.95	21.60
		12	13	20.23	20.25	20.25	21.60
		25	0	20.14	20.08	20.01	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	21.71	21.72	21.82	23.20
		1	25	21.80	21.76	21.67	23.20
		1	49	21.66	21.59	21.68	23.20



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		25	0	21.68	21.73	21.73	23.20
		25	13	21.64	21.66	21.68	23.20
		25	25	21.48	21.51	21.53	23.20
		50	0	21.54	21.60	21.66	23.20
	16QAM	1	0	21.78	21.70	21.63	23.20
		1	25	21.39	21.47	21.55	23.20
		1	49	21.52	21.55	21.54	23.20
		25	0	20.85	20.88	20.91	22.60
		25	13	21.18	21.16	21.10	22.60
		25	25	20.91	20.90	20.92	22.60
		50	0	21.10	21.09	21.14	22.60
		50	0	21.10	21.09	21.14	22.60
	64QAM	1	0	20.80	20.87	20.80	22.60
		1	25	21.13	21.08	21.09	22.60
		1	49	21.07	20.98	21.04	22.60
		25	0	19.68	19.77	19.71	21.60
		25	13	19.96	19.97	20.06	21.60
		25	25	20.30	20.20	20.28	21.60
		50	0	20.08	19.99	20.07	21.60
		50	0	20.08	19.99	20.07	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	21.57	21.67	21.68	23.20
		1	38	21.71	21.74	21.79	23.20
		1	74	21.62	21.54	21.55	23.20
		36	0	21.69	21.68	21.59	23.20
		36	18	21.63	21.71	21.66	23.20
		36	39	21.52	21.47	21.46	23.20
		75	0	21.45	21.52	21.42	23.20
	16QAM	1	0	21.61	21.70	21.74	23.20
		1	38	21.44	21.53	21.53	23.20
		1	74	21.38	21.47	21.37	23.20
		36	0	20.98	20.96	20.86	22.60
		36	18	21.05	21.12	21.07	22.60
		36	39	20.91	20.99	20.99	22.60
		75	0	21.06	21.00	21.07	22.60
	64QAM	1	0	20.97	20.89	20.81	22.60
		1	38	21.07	21.14	21.15	22.60
		1	74	21.11	21.03	21.05	22.60
		36	0	19.73	19.82	19.92	21.60
		36	18	20.05	19.96	20.04	21.60
		36	39	20.19	20.12	20.19	21.60
		75	0	19.99	19.92	19.93	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	21.97	/	23.20
		1	50	/	21.65	/	23.20
		1	99	/	21.57	/	23.20
		50	0	/	21.75	/	23.20
		50	25	/	21.61	/	23.20
		50	50	/	21.56	/	23.20
		100	0	/	21.62	/	23.20



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	16QAM	1	0	/	21.61	/	23.20
		1	50	/	21.48	/	23.20
		1	99	/	21.57	/	23.20
		50	0	/	20.96	/	22.60
		50	25	/	21.05	/	22.60
		50	50	/	21.01	/	22.60
		100	0	/	20.98	/	22.60
	64QAM	1	0	/	20.94	/	22.60
		1	50	/	21.06	/	22.60
		1	99	/	21.03	/	22.60
		50	0	/	19.89	/	21.60
		50	25	/	19.87	/	21.60
		50	50	/	20.02	/	21.60
		100	0	/	19.89	/	21.60

LTE Band 7 State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	19.24	18.86	19.17	20.70
		1	13	19.05	19.02	19.15	20.70
		1	24	19.05	18.86	19.01	20.70
		12	0	19.01	19.21	19.00	20.70
		12	6	18.84	19.12	18.99	20.70
		12	13	19.06	19.09	19.19	20.70
		25	0	18.97	19.13	19.05	20.70
	16QAM	1	0	19.08	19.06	19.01	20.70
		1	13	18.99	19.07	18.99	20.70
		1	24	18.86	19.15	18.99	20.70
		12	0	19.05	19.23	19.00	20.70
		12	6	18.92	19.24	19.14	20.70
		12	13	18.91	19.05	18.97	20.70
		25	0	19.05	19.13	19.08	20.70
	64QAM	1	0	19.08	18.94	19.09	20.70
		1	13	19.13	19.08	18.91	20.70
		1	24	19.02	18.96	19.24	20.70
		12	0	18.40	18.31	18.24	20.00
		12	6	18.16	18.24	18.20	20.00
		12	13	18.43	18.25	18.40	20.00
		25	0	18.37	18.31	18.34	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	19.22	18.95	19.08	20.70
		1	25	19.11	19.01	19.09	20.70
		1	49	19.00	18.86	19.08	20.70
		25	0	18.91	19.12	18.94	20.70
		25	13	18.91	19.15	18.94	20.70
		25	25	19.01	19.19	19.20	20.70
		50	0	19.06	19.22	19.04	20.70
	16QAM	1	0	19.10	19.15	19.06	20.70



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		1	25	18.98	19.03	18.97	20.70
		1	49	18.92	19.14	19.02	20.70
		25	0	18.97	19.14	18.94	20.70
		25	13	18.98	19.17	19.11	20.70
		25	25	19.00	19.02	19.07	20.70
		50	0	19.07	19.07	19.14	20.70
	64QAM	1	0	19.16	19.03	19.17	20.70
		1	25	19.06	19.16	18.88	20.70
		1	49	19.04	19.02	19.21	20.70
		25	0	18.38	18.38	18.32	20.00
		25	13	18.15	18.30	18.26	20.00
		25	25	18.40	18.26	18.38	20.00
		50	0	18.30	18.23	18.36	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	19.15	18.97	19.00	20.70
		1	38	19.03	18.97	19.08	20.70
		1	74	19.08	18.88	19.06	20.70
		36	0	19.00	19.04	19.01	20.70
		36	18	18.91	19.05	18.92	20.70
		36	39	18.98	19.13	19.25	20.70
		75	0	19.01	19.15	19.11	20.70
	16QAM	1	0	19.11	19.13	18.98	20.70
		1	38	18.95	19.08	19.03	20.70
		1	74	18.95	19.15	19.05	20.70
		36	0	19.01	19.18	18.93	20.70
		36	18	19.01	19.07	19.09	20.70
		36	39	18.96	18.94	19.09	20.70
		75	0	19.00	19.15	19.15	20.70
	64QAM	1	0	19.07	19.08	19.08	20.70
		1	38	19.01	19.07	18.95	20.70
		1	74	19.03	19.05	19.14	20.70
		36	0	18.34	18.30	18.28	20.00
		36	18	18.25	18.33	18.19	20.00
		36	39	18.47	18.26	18.32	20.00
		75	0	18.32	18.24	18.39	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	19.08	19.16	19.07	20.70
		1	50	19.10	19.06	19.06	20.70
		1	99	19.01	18.96	19.03	20.70
		50	0	19.04	19.13	19.08	20.70
		50	25	19.00	19.12	18.97	20.70
		50	50	19.08	19.10	19.15	20.70
		100	0	19.02	19.06	19.08	20.70
	16QAM	1	0	19.09	19.05	19.04	20.70
		1	50	18.96	19.08	19.10	20.70
		1	99	18.99	19.12	18.97	20.70
		50	0	19.01	19.15	18.98	20.70
		50	25	19.06	19.05	19.12	20.70



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		50	50	19.02	18.97	18.99	20.70
		100	0	18.96	19.06	19.12	20.70
	64QAM	1	0	19.01	19.02	19.05	20.70
		1	50	19.11	19.10	18.96	20.70
		1	99	19.01	19.14	19.04	20.70
		50	0	18.38	18.30	18.38	20.00
		50	25	18.26	18.39	18.29	20.00
		50	50	18.38	18.25	18.36	20.00
		100	0	18.36	18.30	18.36	20.00

LTE Band 7 State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	16.44	16.50	16.58	18.10
		1	13	16.36	16.45	16.78	18.10
		1	24	16.50	16.51	16.66	18.10
		12	0	16.48	16.54	16.29	18.10
		12	6	16.40	16.43	16.57	18.10
		12	13	16.49	16.50	16.64	18.10
		25	0	16.36	16.53	16.33	18.10
	16QAM	1	0	16.48	16.34	16.36	18.10
		1	13	16.62	16.54	16.27	18.10
		1	24	16.49	16.56	16.32	18.10
		12	0	16.40	16.29	16.48	18.10
		12	6	16.54	16.54	16.46	18.10
		12	13	16.56	16.67	16.29	18.10
		25	0	16.34	16.57	16.44	18.10
	64QAM	1	0	16.30	16.41	16.63	18.10
		1	13	16.64	16.53	16.29	18.10
		1	24	16.58	16.35	16.51	18.10
		12	0	16.51	16.22	16.59	18.10
		12	6	16.42	16.35	16.61	18.10
		12	13	16.47	16.49	16.29	18.10
		25	0	16.53	16.46	16.35	18.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	16.46	16.52	16.52	18.10
		1	25	16.39	16.44	16.68	18.10
		1	49	16.44	16.43	16.70	18.10
		25	0	16.41	16.53	16.33	18.10
		25	13	16.46	16.47	16.62	18.10
		25	25	16.59	16.48	16.57	18.10
		50	0	16.37	16.55	16.28	18.10
	16QAM	1	0	16.40	16.37	16.42	18.10
		1	25	16.52	16.55	16.35	18.10
		1	49	16.49	16.52	16.41	18.10
		25	0	16.42	16.38	16.49	18.10
		25	13	16.49	16.52	16.43	18.10
		25	25	16.46	16.58	16.37	18.10



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	64QAM	50	0	16.36	16.56	16.44	18.10
		1	0	16.34	16.35	16.54	18.10
		1	25	16.57	16.59	16.37	18.10
		1	49	16.61	16.41	16.45	18.10
		25	0	16.41	16.30	16.58	18.10
		25	13	16.43	16.41	16.61	18.10
		25	25	16.38	16.52	16.35	18.10
		50	0	16.59	16.40	16.43	18.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	16.41	16.50	16.50	18.10
		1	38	16.36	16.47	16.59	18.10
		1	74	16.47	16.50	16.60	18.10
		36	0	16.46	16.55	16.38	18.10
		36	18	16.56	16.41	16.57	18.10
		36	39	16.50	16.49	16.57	18.10
		75	0	16.43	16.50	16.37	18.10
	16QAM	1	0	16.44	16.35	16.51	18.10
		1	38	16.51	16.59	16.26	18.10
		1	74	16.54	16.44	16.37	18.10
		36	0	16.41	16.43	16.40	18.10
		36	18	16.40	16.44	16.45	18.10
		36	39	16.46	16.59	16.34	18.10
		75	0	16.32	16.50	16.47	18.10
	64QAM	1	0	16.41	16.35	16.48	18.10
		1	38	16.61	16.55	16.47	18.10
		1	74	16.60	16.44	16.41	18.10
		36	0	16.47	16.40	16.50	18.10
		36	18	16.51	16.50	16.54	18.10
		36	39	16.36	16.43	16.33	18.10
		75	0	16.55	16.44	16.51	18.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	16.43	16.59	16.48	18.10
		1	50	16.36	16.54	16.51	18.10
		1	99	16.39	16.52	16.53	18.10
		50	0	16.37	16.55	16.38	18.10
		50	25	16.53	16.49	16.54	18.10
		50	50	16.41	16.44	16.48	18.10
		100	0	16.43	16.53	16.36	18.10
	16QAM	1	0	16.37	16.42	16.52	18.10
		1	50	16.51	16.51	16.36	18.10
		1	99	16.44	16.44	16.39	18.10
		50	0	16.40	16.42	16.43	18.10
		50	25	16.50	16.49	16.50	18.10
		50	50	16.46	16.54	16.39	18.10
		100	0	16.36	16.54	16.40	18.10
	64QAM	1	0	16.49	16.41	16.49	18.10
		1	50	16.53	16.50	16.37	18.10
		1	99	16.52	16.42	16.36	18.10



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		50	0	16.40	16.37	16.48	18.10
		50	25	16.55	16.44	16.49	18.10
		50	50	16.39	16.40	16.43	18.10
		100	0	16.45	16.50	16.50	18.10

LTE Band 66 State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.07	22.99	22.97	24.60
		1	2	22.97	23.05	22.97	24.60
		1	5	22.94	22.84	22.88	24.60
		3	0	22.88	22.98	22.94	24.60
		3	1	23.02	23.02	22.85	24.60
		3	3	23.05	22.81	22.97	24.60
	16QAM	6	0	22.02	21.83	21.99	23.60
		1	0	22.11	22.18	22.25	23.60
		1	2	21.95	22.06	21.81	23.60
		1	5	22.05	22.10	22.06	23.60
		3	0	22.05	21.88	22.24	23.60
		3	1	21.88	21.65	21.96	23.60
	64QAM	3	3	21.95	22.08	21.91	23.60
		6	0	21.08	20.96	20.81	22.60
		1	0	20.90	20.81	20.96	22.60
		1	2	21.01	20.85	21.05	22.60
		1	5	20.93	21.08	20.94	22.60
		3	0	21.03	21.00	21.12	22.60
3MHz	QPSK	3	1	20.88	20.90	20.99	22.60
		3	3	20.88	20.90	20.72	22.60
		6	0	19.86	20.11	19.90	21.60
	16QAM	1	0	22.99	22.94	22.92	24.60
		1	7	22.90	23.03	23.04	24.60
		1	14	22.95	22.87	23.13	24.60
	64QAM	8	0	21.88	21.93	21.97	23.60
		8	4	22.12	21.92	21.94	23.60
		8	7	22.32	21.77	22.07	23.60
	16QAM	15	0	22.00	21.90	22.07	23.60
		1	0	22.14	22.09	22.19	23.60
		1	7	22.00	22.09	21.84	23.60
		1	14	22.08	22.06	22.00	23.60
	64QAM	8	0	20.97	20.92	21.29	22.60
		8	4	20.94	20.73	20.89	22.60
		8	7	21.02	21.08	20.97	22.60
		15	0	21.16	20.98	20.88	22.60
	64QAM	1	0	20.82	20.73	20.91	22.60
		1	7	20.93	20.76	20.99	22.60
		1	14	21.00	20.99	20.87	22.60
		8	0	19.96	19.99	20.05	21.60



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		8	4	19.95	19.81	20.00	21.60
		8	7	19.97	19.80	19.82	21.60
		15	0	19.79	20.01	19.88	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	22.90	22.99	22.83	24.60
		1	13	22.96	23.01	22.97	24.60
		1	24	22.90	22.97	23.05	24.60
		12	0	21.94	21.84	21.97	23.60
		12	6	22.07	21.88	21.97	23.60
		12	13	22.24	21.87	22.10	23.60
		25	0	22.04	21.92	22.16	23.60
	16QAM	1	0	22.05	21.99	22.14	23.60
		1	13	21.97	22.19	21.93	23.60
		1	24	22.02	22.10	21.93	23.60
		12	0	20.96	20.85	21.24	22.60
		12	6	20.96	20.79	20.91	22.60
		12	13	20.93	21.03	21.01	22.60
		25	0	21.06	21.05	20.80	22.60
	64QAM	1	0	20.74	20.81	20.92	22.60
		1	13	20.87	20.79	21.06	22.60
		1	24	21.01	21.08	20.89	22.60
		12	0	20.01	20.04	20.06	21.60
		12	6	19.97	19.83	20.05	21.60
		12	13	19.90	19.72	19.83	21.60
		25	0	19.78	19.99	19.98	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	22.95	23.06	22.89	24.60
		1	25	23.02	23.09	22.87	24.60
		1	49	22.90	22.97	23.09	24.60
		25	0	21.94	21.94	21.90	23.60
		25	13	22.02	21.92	21.90	23.60
		25	25	22.14	21.84	22.06	23.60
		50	0	22.03	21.98	22.18	23.60
	16QAM	1	0	22.08	21.95	22.08	23.60
		1	25	21.95	22.13	22.03	23.60
		1	49	22.03	22.02	21.92	23.60
		25	0	21.06	20.90	21.15	22.60
		25	13	20.90	20.80	20.97	22.60
		25	25	20.98	20.94	20.92	22.60
		50	0	21.01	21.04	20.75	22.60
	64QAM	1	0	20.80	20.80	20.88	22.60
		1	25	20.91	20.83	21.06	22.60
		1	49	21.05	20.99	20.89	22.60
		25	0	19.94	20.11	20.02	21.60
		25	13	19.91	19.85	19.95	21.60
		25	25	19.96	19.80	19.88	21.60
		50	0	19.82	19.98	19.99	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				132047	132322	132597	
15MHz	QPSK	1	0	23.00	23.02	22.86	24.60
		1	38	22.98	23.03	22.97	24.60
		1	74	22.93	23.07	23.01	24.60
		36	0	21.88	22.03	21.89	23.60
		36	18	21.97	21.90	21.95	23.60
		36	39	22.04	21.87	21.98	23.60
		75	0	21.93	22.07	22.08	23.60
	16QAM	1	0	22.09	21.91	22.00	23.60
		1	38	21.97	22.08	21.96	23.60
		1	74	22.02	22.11	21.95	23.60
		36	0	21.02	20.90	21.07	22.60
		36	18	20.96	20.85	20.96	22.60
		36	39	20.99	21.01	20.95	22.60
		75	0	21.03	21.01	20.84	22.60
	64QAM	1	0	20.86	20.78	20.95	22.60
		1	38	20.99	20.93	20.99	22.60
		1	74	21.12	21.09	20.92	22.60
		36	0	19.92	20.13	20.02	21.60
		36	18	20.00	19.86	20.01	21.60
		36	39	19.98	19.82	19.85	21.60
		75	0	19.92	20.08	20.05	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.07	23.24	23.01	24.60
		1	50	22.90	23.05	22.89	24.60
		1	99	22.98	23.00	22.93	24.60
		50	0	22.03	22.11	22.02	23.60
		50	25	21.89	21.97	22.01	23.60
		50	50	21.95	21.91	21.94	23.60
		100	0	22.03	22.06	21.98	23.60
	16QAM	1	0	22.06	22.01	21.96	23.60
		1	50	21.94	22.03	21.96	23.60
		1	99	22.00	22.04	21.88	23.60
		50	0	21.02	20.85	20.98	22.60
		50	25	20.91	20.89	20.88	22.60
		50	50	21.04	20.99	20.96	22.60
		100	0	21.01	20.93	20.94	22.60
	64QAM	1	0	20.93	20.86	20.86	22.60
		1	50	20.97	21.02	21.01	22.60
		1	99	21.03	21.01	20.88	22.60
		50	0	19.94	20.03	20.02	21.60
		50	25	20.03	19.88	19.97	21.60
		50	50	19.96	19.86	19.87	21.60
		100	0	19.90	20.01	19.95	21.60

LTE Band 66 State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	



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1.4MHz	QPSK	1	0	20.98	21.15	20.78	22.60
		1	2	20.97	21.13	21.17	22.60
		1	5	21.11	20.80	20.93	22.60
		3	0	20.80	21.00	21.04	22.60
		3	1	20.83	20.87	21.16	22.60
		3	3	20.90	20.62	20.90	22.60
		6	0	20.85	20.91	20.99	22.60
	16QAM	1	0	20.96	21.21	20.94	22.60
		1	2	21.00	21.02	20.87	22.60
		1	5	20.95	20.93	20.80	22.60
		3	0	21.15	21.05	21.09	22.60
		3	1	20.82	21.04	21.05	22.60
		3	3	20.86	20.91	20.92	22.60
		6	0	21.00	21.14	20.91	22.60
	64QAM	1	0	20.66	21.07	21.14	22.60
		1	2	21.12	20.95	20.80	22.60
		1	5	20.98	20.89	20.77	22.60
		3	0	21.17	21.01	20.72	22.60
		3	1	20.83	21.37	20.97	22.60
		3	3	21.03	20.98	20.71	22.60
		6	0	20.30	19.67	19.85	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	20.89	21.06	20.68	22.60
		1	7	21.04	21.09	21.09	22.60
		1	14	21.07	20.79	21.02	22.60
		8	0	20.82	21.04	21.01	22.60
		8	4	20.93	20.94	21.12	22.60
		8	7	21.00	20.71	20.93	22.60
		15	0	20.86	20.85	20.93	22.60
	16QAM	1	0	21.05	21.14	20.97	22.60
		1	7	20.96	20.92	20.81	22.60
		1	14	20.94	20.87	20.88	22.60
		8	0	21.21	21.10	21.05	22.60
		8	4	20.90	21.12	21.02	22.60
		8	7	20.80	20.85	20.83	22.60
		15	0	20.90	21.14	20.93	22.60
	64QAM	1	0	20.70	21.17	21.08	22.60
		1	7	21.11	21.04	20.80	22.60
		1	14	21.03	20.91	20.68	22.60
		8	0	20.10	19.99	19.79	21.60
		8	4	19.91	20.28	19.90	21.60
		8	7	20.03	19.94	19.80	21.60
		15	0	20.21	19.72	19.75	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	20.96	21.11	20.69	22.60
		1	13	21.05	21.07	21.00	22.60
		1	24	21.09	20.85	20.98	22.60
		12	0	20.75	20.99	20.99	22.60



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		12	6	20.83	21.01	21.05	22.60
		12	13	20.92	20.81	21.00	22.60
		25	0	20.92	20.84	20.99	22.60
	16QAM	1	0	20.97	21.11	20.93	22.60
		1	13	21.02	20.97	20.76	22.60
		1	24	20.85	20.82	20.92	22.60
		12	0	21.16	21.16	21.11	22.60
		12	6	20.93	21.17	21.03	22.60
		12	13	20.78	20.94	20.85	22.60
		25	0	20.93	21.07	20.84	22.60
	64QAM	1	0	20.79	21.08	21.08	22.60
		1	13	21.10	21.13	20.83	22.60
		1	24	20.95	20.97	20.78	22.60
		12	0	20.00	20.05	19.87	21.60
		12	6	19.83	20.18	19.89	21.60
		12	13	20.00	20.01	19.89	21.60
		25	0	20.12	19.80	19.79	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	21.02	21.05	20.79	22.60
		1	25	20.98	21.02	21.08	22.60
		1	49	21.05	20.92	20.91	22.60
		25	0	20.79	20.90	20.98	22.60
		25	13	20.90	20.94	21.00	22.60
		25	25	20.96	20.82	21.06	22.60
		50	0	20.89	20.77	20.90	22.60
	16QAM	1	0	21.03	21.03	20.97	22.60
		1	25	20.96	20.96	20.83	22.60
		1	49	20.87	20.77	21.01	22.60
		25	0	21.11	21.24	21.03	22.60
		25	13	21.00	21.11	21.08	22.60
		25	25	20.82	20.98	20.77	22.60
		50	0	20.99	21.10	20.93	22.60
	64QAM	1	0	20.84	21.08	21.02	22.60
		1	25	21.03	21.06	20.92	22.60
		1	49	20.99	20.93	20.74	22.60
		25	0	20.08	20.02	19.97	21.60
		25	13	19.86	20.23	19.84	21.60
		25	25	20.10	20.05	19.96	21.60
		50	0	20.10	19.84	19.86	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	20.95	21.10	20.89	22.60
		1	38	21.03	21.06	21.01	22.60
		1	74	21.00	20.96	20.93	22.60
		36	0	20.87	20.95	21.03	22.60
		36	18	20.96	20.99	20.95	22.60
		36	39	20.98	20.79	21.05	22.60
		75	0	20.96	20.83	20.94	22.60
	16QAM	1	0	21.05	20.94	20.96	22.60



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		1	38	21.02	20.95	20.84	22.60
		1	74	20.96	20.77	21.06	22.60
		36	0	21.01	21.16	21.11	22.60
		36	18	21.04	21.11	21.07	22.60
		36	39	20.92	20.95	20.79	22.60
		75	0	20.96	21.04	20.99	22.60
	64QAM	1	0	20.89	21.04	21.05	22.60
		1	38	21.00	21.10	20.91	22.60
		1	74	20.89	20.99	20.79	22.60
		36	0	19.99	20.07	20.01	21.60
		36	18	19.93	20.13	19.93	21.60
		36	39	20.08	19.95	19.93	21.60
		75	0	20.08	19.81	19.88	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	21.25	21.29	21.21	22.60
		1	50	21.01	21.01	20.97	22.60
		1	99	21.04	21.05	20.95	22.60
		50	0	21.01	21.09	21.04	22.60
		50	25	20.94	20.98	20.88	22.60
		50	50	20.99	20.86	21.01	22.60
		100	0	20.99	21.05	20.89	22.60
	16QAM	1	0	20.98	21.00	20.98	22.60
		1	50	20.94	20.98	20.93	22.60
		1	99	20.98	20.86	21.01	22.60
		50	0	20.91	21.06	21.06	22.60
		50	25	21.00	21.05	20.99	22.60
		50	50	21.00	20.96	20.85	22.60
		100	0	20.96	21.03	20.97	22.60
	64QAM	1	0	20.98	20.98	21.00	22.60
		1	50	20.93	21.05	20.97	22.60
		1	99	20.92	21.06	20.87	22.60
		50	0	19.95	20.00	19.98	21.60
		50	25	19.93	20.05	19.92	21.60
		50	50	20.00	19.88	19.94	21.60
		100	0	19.98	19.86	19.93	21.60

LTE Band 38 State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	21.55	21.61	21.57	23.10
		1	13	21.72	21.71	21.81	23.10
		1	24	21.90	21.90	21.91	23.10
		12	0	21.37	21.39	21.36	22.80
		12	6	21.65	21.67	21.67	22.80
		12	13	21.34	21.41	21.35	22.80
		25	0	21.57	21.53	21.62	22.80
	16QAM	1	0	21.49	21.40	21.41	22.80
		1	13	21.52	21.43	21.45	22.80



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		1	24	21.50	21.44	21.38	22.80
		12	0	20.35	20.35	20.34	21.80
		12	6	20.48	20.55	20.52	21.80
		12	13	20.30	20.32	20.26	21.80
		25	0	20.31	20.29	20.30	21.80
	64QAM	1	0	20.63	20.62	20.67	21.80
		1	13	20.52	20.49	20.42	21.80
		1	24	20.31	20.28	20.27	21.80
		12	0	19.44	19.53	19.57	20.80
		12	6	19.62	19.54	19.44	20.80
		12	13	19.69	19.61	19.61	20.80
		25	0	19.64	19.57	19.67	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	21.81	21.71	21.71	23.10
		1	25	21.62	21.67	21.64	23.10
		1	49	21.86	21.81	21.66	23.10
		25	0	21.47	21.44	21.40	22.80
		25	13	21.53	21.60	21.68	22.80
		25	25	21.49	21.48	21.48	22.80
		50	0	21.58	21.54	21.46	22.80
	16QAM	1	0	21.38	21.40	21.47	22.80
		1	25	21.41	21.43	21.51	22.80
		1	49	21.39	21.44	21.45	22.80
		25	0	20.34	20.38	20.36	21.80
		25	13	20.60	20.51	20.59	21.80
		25	25	20.34	20.28	20.33	21.80
		50	0	20.28	20.37	20.36	21.80
	64QAM	1	0	20.51	20.55	20.61	21.80
		1	25	20.45	20.43	20.49	21.80
		1	49	20.34	20.38	20.30	21.80
		25	0	19.57	19.56	19.53	20.80
		25	13	19.35	19.44	19.40	20.80
		25	25	19.62	19.61	19.52	20.80
		50	0	19.39	19.47	19.56	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	21.54	21.62	21.60	23.10
		1	38	21.77	21.69	21.76	23.10
		1	74	21.98	21.89	21.99	23.10
		36	0	21.45	21.49	21.52	22.80
		36	18	21.65	21.58	21.64	22.80
		36	39	21.46	21.42	21.49	22.80
		75	0	21.48	21.53	21.60	22.80
	16QAM	1	0	21.49	21.47	21.52	22.80
		1	38	21.28	21.33	21.31	22.80
		1	74	21.33	21.43	21.38	22.80
		36	0	20.56	20.47	20.45	21.80
		36	18	20.51	20.49	20.47	21.80
		36	39	20.41	20.38	20.46	21.80



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	64QAM	75	0	20.37	20.32	20.35	21.80
		1	0	20.58	20.50	20.54	21.80
		1	38	20.29	20.36	20.28	21.80
		1	74	20.35	20.42	20.38	21.80
		36	0	19.45	19.55	19.58	20.80
		36	18	19.43	19.44	19.40	20.80
		36	39	19.69	19.62	19.70	20.80
		75	0	19.46	19.40	19.33	20.80
		75	0	19.46	19.40	19.33	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	/	38000	/	23.10
		1	50	/	21.97	/	23.10
		1	99	/	21.84	/	23.10
		50	0	/	21.71	/	23.10
		50	25	/	21.55	/	22.80
		50	50	/	21.24	/	22.80
		50	50	/	21.20	/	22.80
		100	0	/	21.15	/	22.80
	16QAM	1	0	/	21.07	/	22.80
		1	50	/	21.12	/	22.80
		1	99	/	21.14	/	22.80
		50	0	/	20.17	/	21.80
		50	25	/	20.14	/	21.80
		50	50	/	20.18	/	21.80
		100	0	/	20.05	/	21.80
	64QAM	1	0	/	20.18	/	21.80
		1	50	/	20.11	/	21.80
		1	99	/	20.14	/	21.80
		50	0	/	19.16	/	20.80
		50	25	/	19.11	/	20.80
		50	50	/	19.25	/	20.80
		100	0	/	19.08	/	20.80
		100	0	/	19.08	/	20.80

LTE Band 38 State4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	QPSK	1	0	37775	38000	38225	20.60
		1	13	18.80	18.86	18.81	20.60
		1	24	18.93	18.95	18.89	20.60
		12	0	19.16	19.20	19.24	20.60
		12	6	18.67	18.68	18.67	20.60
		12	13	18.95	19.02	19.08	20.60
		12	13	18.85	18.82	18.78	20.60
		25	0	19.01	19.04	19.08	20.60
	16QAM	1	0	19.22	19.12	19.03	20.60
		1	13	18.79	18.76	18.69	20.60
		1	24	18.67	18.75	18.69	20.60
		12	0	19.03	19.06	19.00	20.60
		12	6	19.03	19.06	19.00	20.60
		12	13	18.84	18.87	18.89	20.60
		12	13	19.02	19.00	19.03	20.60
		25	0	19.12	19.06	19.06	20.60



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		1	0	19.22	19.12	19.13	20.60
		1	13	19.15	19.21	19.23	20.60
		1	24	19.01	18.98	18.94	20.60
	64QAM	12	0	19.22	19.22	19.20	20.60
		12	6	19.16	19.08	19.16	20.60
		12	13	19.12	19.09	19.12	20.60
		25	0	19.02	19.05	19.02	20.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	18.94	18.87	18.87	20.60
		1	25	18.97	18.97	19.05	20.60
		1	49	19.14	19.13	19.04	20.60
		25	0	18.86	18.78	18.84	20.60
		25	13	18.92	18.93	18.97	20.60
		25	25	18.78	18.79	18.74	20.60
		50	0	19.06	19.01	18.92	20.60
	16QAM	1	0	19.04	19.07	19.07	20.60
		1	25	18.94	18.84	18.82	20.60
		1	49	18.88	18.85	18.90	20.60
		25	0	19.02	18.98	18.98	20.60
		25	13	18.92	18.83	18.88	20.60
		25	25	19.05	19.10	19.12	20.60
		50	0	19.10	19.01	19.09	20.60
	64QAM	1	0	18.99	19.07	19.14	20.60
		1	25	19.12	19.13	19.08	20.60
		1	49	18.93	18.99	19.05	20.60
		25	0	19.15	19.15	19.17	20.60
		25	13	18.92	18.99	19.01	20.60
		25	25	19.03	19.00	19.08	20.60
		50	0	19.02	19.06	19.10	20.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	19.01	18.96	18.89	20.60
		1	38	18.83	18.91	18.86	20.60
		1	74	19.04	19.04	18.94	20.60
		36	0	18.76	18.84	18.76	20.60
		36	18	18.90	18.89	18.79	20.60
		36	39	18.82	18.89	18.98	20.60
		75	0	18.89	18.93	18.90	20.60
	16QAM	1	0	19.07	19.05	18.99	20.60
		1	38	18.76	18.82	18.72	20.60
		1	74	18.98	18.90	18.93	20.60
		36	0	18.95	18.98	19.08	20.60
		36	18	18.83	18.89	18.85	20.60
		36	39	18.98	19.02	18.95	20.60
		75	0	18.99	19.03	19.07	20.60
	64QAM	1	0	19.05	19.10	19.17	20.60
		1	38	19.05	19.07	19.05	20.60
		1	74	19.02	18.92	18.96	20.60
		36	0	19.09	19.05	19.02	20.60



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		36	18	18.91	18.92	18.84	20.60
		36	39	19.01	19.07	19.09	20.60
		75	0	19.04	18.97	19.06	20.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	38000	/	
20MHz	QPSK	1	0	/	19.29	/	20.60
		1	50	/	18.95	/	20.60
		1	99	/	19.02	/	20.60
		50	0	/	19.25	/	20.60
		50	25	/	18.93	/	20.60
		50	50	/	18.91	/	20.60
		100	0	/	19.09	/	20.60
	16QAM	1	0	/	19.05	/	20.60
		1	50	/	18.92	/	20.60
		1	99	/	18.90	/	20.60
		50	0	/	19.04	/	20.60
		50	25	/	18.98	/	20.60
		50	50	/	18.93	/	20.60
		100	0	/	18.95	/	20.60
	64QAM	1	0	/	19.05	/	20.60
		1	50	/	19.03	/	20.60
		1	99	/	19.00	/	20.60
		50	0	/	18.99	/	20.60
		50	25	/	18.89	/	20.60
		50	50	/	19.04	/	20.60
		100	0	/	18.89	/	20.60

LTE Band 38 State10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	16.78	16.84	16.81	18.60
		1	13	16.92	16.95	16.87	18.60
		1	24	17.15	17.19	17.24	18.60
		12	0	16.66	16.66	16.65	18.60
		12	6	16.95	17.01	17.06	18.60
		12	13	16.83	16.81	16.76	18.60
		25	0	17.00	17.03	17.07	18.60
	16QAM	1	0	17.22	17.10	17.01	18.60
		1	13	16.78	16.75	16.68	18.60
		1	24	16.65	16.74	16.67	18.60
		12	0	17.02	17.06	17.00	18.60
		12	6	16.83	16.85	16.88	18.60
		12	13	17.01	16.99	17.02	18.60
		25	0	17.11	17.05	17.04	18.60
	64QAM	1	0	17.20	17.10	17.12	18.60
		1	13	17.13	17.19	17.22	18.60
		1	24	17.00	16.96	16.93	18.60
		12	0	17.21	17.20	17.19	18.60
		12	6	17.15	17.06	17.15	18.60



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		12	13	17.10	17.09	17.12	18.60
		25	0	17.01	17.04	17.01	18.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	16.93	16.86	16.85	18.60
		1	25	16.97	16.96	17.03	18.60
		1	49	17.13	17.11	17.03	18.60
		25	0	16.85	16.77	16.82	18.60
		25	13	16.91	16.92	16.95	18.60
		25	25	16.77	16.79	16.72	18.60
		50	0	17.05	16.99	16.90	18.60
	16QAM	1	0	17.03	17.06	17.05	18.60
		1	25	16.93	16.83	16.81	18.60
		1	49	16.87	16.84	16.90	18.60
		25	0	17.01	16.97	16.97	18.60
		25	13	16.91	16.83	16.88	18.60
		25	25	17.04	17.09	17.11	18.60
		50	0	17.08	17.00	17.09	18.60
	64QAM	1	0	16.98	17.05	17.12	18.60
		1	25	17.11	17.11	17.08	18.60
		1	49	16.93	16.98	17.05	18.60
		25	0	17.13	17.15	17.17	18.60
		25	13	16.90	16.99	17.01	18.60
		25	25	17.02	17.00	17.08	18.60
		50	0	17.00	17.04	17.09	18.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	17.01	16.95	16.89	18.60
		1	38	16.83	16.91	16.85	18.60
		1	74	17.03	17.02	16.92	18.60
		36	0	16.75	16.83	16.75	18.60
		36	18	16.88	16.88	16.78	18.60
		36	39	16.81	16.88	16.97	18.60
		75	0	16.88	16.92	16.89	18.60
	16QAM	1	0	17.06	17.03	16.97	18.60
		1	38	16.74	16.80	16.71	18.60
		1	74	16.97	16.88	16.93	18.60
		36	0	16.95	16.97	17.08	18.60
		36	18	16.81	16.87	16.85	18.60
		36	39	16.97	17.01	16.93	18.60
		75	0	16.97	17.02	17.05	18.60
	64QAM	1	0	17.05	17.10	17.16	18.60
		1	38	17.05	17.06	17.04	18.60
		1	74	17.02	16.91	16.96	18.60
		36	0	17.07	17.04	17.01	18.60
		36	18	16.89	16.92	16.83	18.60
		36	39	17.00	17.07	17.09	18.60
		75	0	17.03	16.96	17.05	18.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	38000	/	



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20MHz	QPSK	1	0	/	17.28	/	18.60
		1	50	/	16.95	/	18.60
		1	99	/	17.00	/	18.60
		50	0	/	17.25	/	18.60
		50	25	/	16.93	/	18.60
		50	50	/	16.90	/	18.60
		100	0	/	17.09	/	18.60
	16QAM	1	0	/	17.04	/	18.60
		1	50	/	16.92	/	18.60
		1	99	/	16.89	/	18.60
		50	0	/	17.02	/	18.60
		50	25	/	16.97	/	18.60
		50	50	/	16.93	/	18.60
		100	0	/	16.94	/	18.60
	64QAM	1	0	/	17.04	/	18.60
		1	50	/	17.01	/	18.60
		1	99	/	16.99	/	18.60
		50	0	/	16.98	/	18.60
		50	25	/	16.88	/	18.60
		50	50	/	17.04	/	18.60
		100	0	/	16.88	/	18.60

LTE Band 41 2496 - 2690 State1/7				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	20.79	20.83	20.88	20.53	20.84	22.40
		1	13	20.78	20.8	20.62	20.53	20.52	22.40
		1	24	20.68	20.7	20.84	20.67	20.63	22.40
		12	0	20.72	20.84	20.77	20.95	20.81	22.40
		12	6	20.62	20.78	20.88	20.44	20.6	22.40
		12	13	20.91	20.66	20.96	21.01	20.64	22.40
		25	0	20.79	20.69	20.72	20.5	20.63	22.40
	16QAM	1	0	20.76	20.56	20.7	20.74	20.95	22.40
		1	13	20.97	20.86	20.75	20.69	20.84	22.40
		1	24	20.88	20.77	20.7	20.92	20.75	22.40
		12	0	20.03	20.31	20.07	20.27	20.35	21.80
		12	6	20.43	20.35	20.07	20.3	20.13	21.80
		12	13	20.22	20.13	20.14	20.15	20.02	21.80
		25	0	20.22	20.19	20.02	20	20.12	21.80
	64QAM	1	0	20.21	20.11	20.00	20.18	20.10	21.80
		1	13	19.97	20.22	20.32	20.10	20.20	21.80
		1	24	20.24	20.11	20.13	20.37	20.12	21.80
		12	0	19.01	19.39	19.33	19.02	18.98	20.80
		12	6	19.35	19.40	19.21	19.26	19.03	20.80
		12	13	19.02	19.27	19.09	19.10	19.03	20.80
		25	0	19.41	19.05	18.99	19.11	18.87	20.80
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	20.75	20.85	20.83	20.61	20.76	22.40



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		1	25	20.84	20.89	20.52	20.62	20.57	22.40
		1	49	20.6	20.63	20.8	20.76	20.67	22.40
		25	0	20.64	20.83	20.78	20.86	20.85	22.40
		25	13	20.66	20.84	20.79	20.54	20.59	22.40
		25	25	20.84	20.57	20.89	20.99	20.59	22.40
		50	0	20.85	20.71	20.76	20.56	20.72	22.40
	16QAM	1	0	20.74	20.66	20.76	20.68	20.95	22.40
		1	25	20.9	20.89	20.66	20.71	20.86	22.40
		1	49	20.85	20.76	20.75	20.83	20.69	22.40
		25	0	20.13	20.32	20.14	20.2	20.27	21.80
		25	13	20.34	20.31	20.16	20.38	20.03	21.80
		25	25	20.28	20.09	20.08	20.13	20.03	21.80
	64QAM	50	0	20.24	20.11	20.04	19.97	20.09	21.80
		1	0	20.17	20.05	19.96	20.12	20.14	21.80
		1	25	20.07	20.28	20.23	20.10	20.15	21.80
		1	49	20.16	20.11	20.12	20.35	20.03	21.80
		25	0	19.08	19.34	19.38	19.03	18.98	20.80
		25	13	19.26	19.34	19.12	19.19	19.04	20.80
		25	25	19.11	19.20	19.10	19.18	19.11	20.80
		50	0	19.40	19.04	18.91	19.21	18.93	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	20.81	20.84	20.77	20.66	20.81	22.40
		1	38	20.78	20.79	20.6	20.66	20.66	22.40
		1	74	20.6	20.73	20.72	20.8	20.72	22.40
		36	0	20.7	20.77	20.78	20.83	20.76	22.40
		36	18	20.69	20.76	20.72	20.64	20.66	22.40
		36	39	20.79	20.64	20.79	20.9	20.66	22.40
		75	0	20.87	20.69	20.76	20.65	20.7	22.40
	16QAM	1	0	20.74	20.66	20.8	20.63	20.86	22.40
		1	38	20.81	20.82	20.67	20.67	20.88	22.40
		1	74	20.92	20.79	20.79	20.79	20.79	22.40
		36	0	20.15	20.25	20.06	20.18	20.17	21.80
		36	18	20.26	20.27	20.15	20.28	20.06	21.80
		36	39	20.21	20.05	20.05	20.17	20.1	21.80
		75	0	20.15	20.11	20.04	20.01	20.16	21.80
	64QAM	1	0	20.20	20.03	20.03	20.03	20.15	21.80
		1	38	20.05	20.25	20.13	20.20	20.06	21.80
		1	74	20.14	20.19	20.18	20.27	20.07	21.80
		36	0	19.16	19.28	19.30	19.09	19.08	20.80
		36	18	19.25	19.28	19.22	19.27	18.99	20.80
		36	39	19.11	19.23	19.17	19.20	19.17	20.80
		75	0	19.32	19.13	18.98	19.18	18.99	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	20.81	20.83	21.09	20.83	20.90	22.40
		1	50	20.80	20.73	20.67	20.68	20.67	22.40
		1	99	20.70	20.72	20.69	20.78	20.81	22.40
		50	0	20.87	20.80	20.88	20.83	20.79	22.40
		50	25	20.71	20.70	20.79	20.73	20.75	22.40



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		50	50	20.81	20.74	20.79	20.82	20.70	22.40
		100	0	20.81	20.68	20.90	20.72	20.75	22.40
	16QAM	1	0	20.84	20.68	20.78	20.69	20.85	22.40
		1	50	20.82	20.78	20.73	20.76	20.79	22.40
		1	99	20.85	20.77	20.73	20.69	20.69	22.40
		50	0	20.06	20.17	20.15	20.09	20.11	21.80
		50	25	20.26	20.21	20.24	20.23	20.15	21.80
		50	50	20.17	20.06	20.12	20.21	20.07	21.80
		100	0	20.10	20.10	20.10	20.08	20.14	21.80
	64QAM	1	0	20.25	20.13	20.10	20.13	20.10	21.80
		1	50	20.10	20.24	20.20	20.17	20.05	21.80
		1	99	20.13	20.10	20.16	20.24	20.10	21.80
		50	0	19.14	19.21	19.24	19.12	19.09	20.80
		50	25	19.22	19.26	19.14	19.25	19.08	20.80
		50	50	19.18	19.14	19.13	19.24	19.14	20.80
		100	0	19.23	19.22	19.07	19.19	19.06	20.80

LTE Band 41 2496 - 2690 State4				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	18.35	18.3	18.34	18.39	18.25	19.80
		1	13	18.56	18.3	18.19	18.51	18.36	19.80
		1	24	18.33	18.45	18.39	18.45	18.24	19.80
		12	0	18.6	18.56	18.37	18.48	18.51	19.80
		12	6	18.39	18.47	18.42	18.27	18.38	19.80
		12	13	18.44	18.44	18.35	18.17	18.51	19.80
		25	0	18.47	18.65	18.4	18.3	18.31	19.80
	16QAM	1	0	18.51	18.27	18.52	18.19	18.67	19.80
		1	13	18.32	18.31	18.24	18.35	18.38	19.80
		1	24	18.38	18.24	18.29	18.48	18.24	19.80
		12	0	18.41	18.34	18.23	18.47	18.35	19.80
		12	6	18.34	18.19	18.4	18.47	18.51	19.80
		12	13	18.46	18.59	18.16	18.15	18.28	19.80
		25	0	18.17	18.54	18.56	18.26	18.11	19.80
	64QAM	1	0	18.10	18.24	18.43	18.40	18.35	19.80
		1	13	18.23	18.24	18.41	18.36	18.28	19.80
		1	24	18.32	18.30	18.28	18.40	18.55	19.80
		12	0	18.38	18.48	18.27	18.23	18.34	19.80
		12	6	18.53	18.49	18.60	18.31	18.38	19.80
		12	13	18.45	18.35	18.49	18.23	18.36	19.80
		25	0	18.29	18.19	18.29	18.36	18.42	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	18.4	18.33	18.28	18.48	18.33	19.80
		1	25	18.57	18.2	18.19	18.44	18.33	19.80
		1	49	18.39	18.37	18.31	18.51	18.29	19.80
		25	0	18.55	18.47	18.45	18.4	18.46	19.80
		25	13	18.32	18.43	18.34	18.21	18.46	19.80
		25	25	18.39	18.35	18.37	18.25	18.53	19.80



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	16QAM	50	0	18.42	18.58	18.45	18.26	18.34	19.80
		1	0	18.48	18.37	18.44	18.26	18.62	19.80
		1	25	18.31	18.32	18.34	18.26	18.35	19.80
		1	49	18.45	18.3	18.33	18.46	18.32	19.80
		25	0	18.5	18.33	18.32	18.41	18.4	19.80
		25	13	18.25	18.25	18.36	18.5	18.49	19.80
		25	25	18.44	18.61	18.21	18.17	18.24	19.80
		50	0	18.26	18.44	18.5	18.32	18.21	19.80
	64QAM	1	0	18.20	18.29	18.44	18.45	18.34	19.80
		1	25	18.21	18.34	18.39	18.28	18.24	19.80
		1	49	18.40	18.27	18.38	18.47	18.45	19.80
		25	0	18.47	18.55	18.29	18.28	18.40	19.80
		25	13	18.45	18.49	18.50	18.38	18.33	19.80
		25	25	18.43	18.40	18.39	18.25	18.39	19.80
		50	0	18.29	18.26	18.35	18.37	18.37	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	18.38	18.37	18.27	18.4	18.43	19.80
		1	38	18.51	18.26	18.24	18.35	18.33	19.80
		1	74	18.3	18.35	18.33	18.45	18.33	19.80
		36	0	18.49	18.41	18.39	18.47	18.45	19.80
		36	18	18.38	18.38	18.24	18.31	18.4	19.80
		36	39	18.37	18.36	18.37	18.26	18.45	19.80
		75	0	18.44	18.48	18.47	18.26	18.31	19.80
	16QAM	1	0	18.49	18.39	18.51	18.34	18.53	19.80
		1	38	18.35	18.25	18.24	18.26	18.26	19.80
		1	74	18.46	18.33	18.36	18.47	18.34	19.80
		36	0	18.4	18.3	18.36	18.36	18.38	19.80
		36	18	18.19	18.34	18.37	18.48	18.41	19.80
		36	39	18.41	18.51	18.21	18.23	18.25	19.80
		75	0	18.35	18.49	18.4	18.28	18.31	19.80
	64QAM	1	0	18.28	18.22	18.38	18.48	18.24	19.80
		1	38	18.25	18.26	18.34	18.33	18.34	19.80
		1	74	18.33	18.31	18.33	18.46	18.35	19.80
		36	0	18.42	18.45	18.39	18.36	18.40	19.80
		36	18	18.45	18.40	18.40	18.34	18.39	19.80
		36	39	18.37	18.44	18.32	18.19	18.41	19.80
		75	0	18.32	18.20	18.32	18.37	18.40	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	18.72	18.68	18.77	18.67	18.75	19.80
		1	50	18.45	18.30	18.28	18.42	18.40	19.80
		1	99	18.39	18.32	18.29	18.41	18.43	19.80
		50	0	18.69	18.66	18.71	18.63	18.65	19.80
		50	25	18.28	18.39	18.27	18.40	18.35	19.80
		50	50	18.34	18.32	18.35	18.33	18.41	19.80
		100	0	18.37	18.41	18.65	18.27	18.40	19.80
	16QAM	1	0	18.41	18.38	18.45	18.27	18.45	19.80
		1	50	18.42	18.31	18.29	18.33	18.26	19.80
		1	99	18.45	18.29	18.36	18.37	18.35	19.80



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		50	0	18.31	18.38	18.35	18.30	18.35	19.80
		50	25	18.29	18.30	18.41	18.44	18.34	19.80
		50	50	18.37	18.42	18.28	18.32	18.29	19.80
		100	0	18.41	18.43	18.44	18.38	18.29	19.80
	64QAM	1	0	18.26	18.32	18.44	18.44	18.30	19.80
		1	50	18.32	18.30	18.27	18.34	18.40	19.80
		1	99	18.36	18.39	18.41	18.46	18.39	19.80
		50	0	18.41	18.38	18.32	18.32	18.34	19.80
		50	25	18.44	18.30	18.35	18.26	18.40	19.80
		50	50	18.33	18.39	18.40	18.26	18.38	19.80
		100	0	18.34	18.27	18.28	18.46	18.42	19.80

LTE Band 41 2496 - 2690 State10				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	17.33	17.29	17.34	17.38	17.23	18.80
		1	13	17.55	17.3	17.18	17.5	17.36	18.80
		1	24	17.33	17.44	17.38	17.45	17.24	18.80
		12	0	17.59	17.55	17.35	17.48	17.51	18.80
		12	6	17.37	17.45	17.4	17.26	17.38	18.80
		12	13	17.43	17.42	17.34	17.15	17.51	18.80
		25	0	17.45	17.65	17.39	17.29	17.3	18.80
	16QAM	1	0	17.5	17.25	17.51	17.19	17.65	18.80
		1	13	17.31	17.3	17.22	17.34	17.38	18.80
		1	24	17.37	17.22	17.27	17.47	17.22	18.80
		12	0	17.39	17.34	17.22	17.45	17.33	18.80
		12	6	17.32	17.17	17.39	17.47	17.51	18.80
		12	13	17.45	17.58	17.15	17.15	17.28	18.80
		25	0	17.16	17.53	17.56	17.25	17.09	18.80
	64QAM	1	0	17.09	17.23	17.41	17.39	17.34	18.80
		1	13	17.22	17.24	17.40	17.35	17.28	18.80
		1	24	17.32	17.30	17.28	17.40	17.54	18.80
		12	0	17.38	17.47	17.27	17.23	17.33	18.80
		12	6	17.52	17.48	17.58	17.31	17.36	18.80
		12	13	17.44	17.35	17.48	17.22	17.35	18.80
		25	0	17.28	17.19	17.28	17.34	17.41	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	17.39	17.31	17.27	17.47	17.32	18.80
		1	25	17.56	17.19	17.19	17.42	17.32	18.80
		1	49	17.39	17.37	17.3	17.51	17.29	18.80
		25	0	17.54	17.45	17.44	17.39	17.45	18.80
		25	13	17.32	17.43	17.32	17.2	17.46	18.80
		25	25	17.39	17.34	17.36	17.23	17.51	18.80
		50	0	17.42	17.58	17.45	17.25	17.32	18.80
	16QAM	1	0	17.46	17.36	17.44	17.26	17.61	18.80
		1	25	17.3	17.31	17.33	17.26	17.34	18.80
		1	49	17.43	17.29	17.33	17.45	17.32	18.80
		25	0	17.49	17.32	17.3	17.39	17.39	18.80



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		25	13	17.23	17.24	17.36	17.5	17.47	18.80
		25	25	17.43	17.61	17.21	17.16	17.24	18.80
		50	0	17.25	17.43	17.5	17.31	17.19	18.80
	64QAM	1	0	17.19	17.28	17.42	17.45	17.33	18.80
		1	25	17.20	17.34	17.38	17.26	17.23	18.80
		1	49	17.39	17.25	17.38	17.47	17.43	18.80
		25	0	17.47	17.55	17.28	17.27	17.40	18.80
		25	13	17.44	17.48	17.49	17.37	17.32	18.80
		25	25	17.42	17.40	17.39	17.25	17.37	18.80
		50	0	17.29	17.25	17.34	17.37	17.36	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	17.37	17.35	17.26	17.4	17.42	18.80
		1	38	17.49	17.24	17.22	17.34	17.31	18.80
		1	74	17.3	17.33	17.32	17.44	17.32	18.80
		36	0	17.49	17.4	17.39	17.46	17.45	18.80
		36	18	17.36	17.38	17.23	17.29	17.38	18.80
		36	39	17.36	17.34	17.36	17.25	17.43	18.80
		75	0	17.42	17.46	17.46	17.25	17.3	18.80
	16QAM	1	0	17.48	17.37	17.51	17.33	17.51	18.80
		1	38	17.33	17.24	17.24	17.25	17.25	18.80
		1	74	17.44	17.32	17.35	17.45	17.33	18.80
		36	0	17.39	17.28	17.36	17.35	17.37	18.80
		36	18	17.18	17.33	17.35	17.48	17.39	18.80
		36	39	17.41	17.5	17.2	17.23	17.24	18.80
		75	0	17.33	17.47	17.38	17.27	17.3	18.80
	64QAM	1	0	17.26	17.21	17.37	17.46	17.24	18.80
		1	38	17.23	17.25	17.32	17.33	17.33	18.80
		1	74	17.31	17.30	17.33	17.44	17.34	18.80
		36	0	17.42	17.43	17.38	17.36	17.39	18.80
		36	18	17.43	17.38	17.38	17.33	17.38	18.80
		36	39	17.35	17.43	17.32	17.18	17.41	18.80
		75	0	17.30	17.20	17.32	17.36	17.39	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	17.70	17.67	17.76	17.66	17.75	18.80
		1	50	17.45	17.29	17.26	17.40	17.40	18.80
		1	99	17.39	17.30	17.27	17.39	17.42	18.80
		50	0	17.68	17.64	17.71	17.61	17.64	18.80
		50	25	17.27	17.38	17.26	17.39	17.33	18.80
		50	50	17.33	17.32	17.35	17.32	17.41	18.80
		100	0	17.35	17.40	17.63	17.25	17.38	18.80
	16QAM	1	0	17.40	17.36	17.45	17.26	17.44	18.80
		1	50	17.42	17.30	17.28	17.33	17.26	18.80
		1	99	17.44	17.27	17.35	17.36	17.34	18.80
		50	0	17.30	17.37	17.35	17.30	17.33	18.80
		50	25	17.28	17.29	17.40	17.43	17.33	18.80
		50	50	17.36	17.42	17.26	17.31	17.29	18.80
		100	0	17.41	17.41	17.43	17.37	17.28	18.80
	64QAM	1	0	17.25	17.31	17.43	17.43	17.29	18.80



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		1	50	17.31	17.29	17.25	17.33	17.38	18.80
		1	99	17.35	17.39	17.39	17.46	17.39	18.80
		50	0	17.41	17.37	17.31	17.30	17.33	18.80
		50	25	17.43	17.30	17.34	17.24	17.39	18.80
		50	50	17.32	17.39	17.40	17.25	17.37	18.80
		100	0	17.33	17.26	17.27	17.44	17.41	18.80

Ant5:

LTE Band 4 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	21.29	21.26	21.22	21.80
		1	2	21.13	21.17	21.18	21.80
		1	5	21.08	21.13	21.03	21.80
		3	0	21.32	21.37	21.46	21.80
		3	2	21.58	21.51	21.48	21.80
		3	3	21.35	21.29	21.32	21.80
	16QAM	6	0	20.41	20.31	20.21	20.80
		1	0	20.44	20.47	20.48	20.80
		1	2	20.31	20.36	20.29	20.80
		1	5	20.24	20.19	20.27	20.80
		3	0	20.06	20.14	20.05	20.80
		3	2	20.39	20.43	20.36	20.80
	64QAM	3	3	20.55	20.46	20.39	20.80
		6	0	19.28	19.30	19.40	19.80
		1	0	19.38	19.31	19.34	19.80
		1	2	19.59	19.56	19.64	19.80
		1	5	19.69	19.60	19.55	19.80
		3	0	19.56	19.48	19.48	19.80
3MHz	QPSK	3	2	19.18	19.20	19.19	19.80
		3	3	19.45	19.39	19.29	19.80
		6	0	18.38	18.41	18.31	18.80
	16QAM	1	0	20.47	20.44	20.51	20.80
		1	7	20.25	20.31	20.36	20.80
		1	14	20.31	20.21	20.11	20.80
		8	0	19.17	19.24	19.32	19.80
		8	4	19.39	19.49	19.52	19.80
	64QAM	8	7	19.40	19.45	19.35	19.80
		15	0	19.31	19.40	19.30	19.80
		1	0	19.32	19.40	19.31	19.80



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		1	7	19.56	19.63	19.57	19.80
		1	14	19.52	19.50	19.55	19.80
		8	0	18.48	18.54	18.44	18.80
		8	4	18.19	18.25	18.21	18.80
		8	7	18.37	18.29	18.30	18.80
		15	0	18.49	18.40	18.44	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	21.32	21.24	21.22	21.80
		1	13	21.24	21.23	21.28	21.80
		1	24	21.08	21.15	21.25	21.80
		12	0	20.42	20.42	20.38	20.80
		12	6	20.35	20.34	20.35	20.80
		12	13	20.38	20.32	20.37	20.80
		25	0	20.35	20.31	20.31	20.80
	16QAM	1	0	20.41	20.39	20.32	20.80
		1	13	20.34	20.30	20.39	20.80
		1	24	20.22	20.27	20.28	20.80
		12	0	19.31	19.21	19.11	19.80
		12	6	19.40	19.49	19.40	19.80
		12	13	19.28	19.35	19.32	19.80
		25	0	19.43	19.47	19.52	19.80
	64QAM	1	0	19.28	19.38	19.45	19.80
		1	13	19.61	19.59	19.63	19.80
		1	24	19.48	19.44	19.40	19.80
		12	0	18.49	18.58	18.51	18.80
		12	6	18.12	18.18	18.23	18.80
		12	13	18.23	18.20	18.28	18.80
		25	0	18.31	18.32	18.36	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	21.19	21.27	21.30	21.80
		1	25	21.26	21.32	21.27	21.80
		1	49	21.17	21.17	21.25	21.80
		25	0	20.49	20.46	20.52	20.80
		25	13	20.45	20.41	20.32	20.80
		25	25	20.38	20.41	20.44	20.80
		50	0	20.24	20.27	20.35	20.80
	16QAM	1	0	20.28	20.30	20.37	20.80
		1	25	20.32	20.37	20.39	20.80
		1	49	20.12	20.22	20.29	20.80
		25	0	19.20	19.28	19.38	19.80
		25	13	19.50	19.40	19.32	19.80
		25	25	19.43	19.45	19.35	19.80
		50	0	19.41	19.45	19.52	19.80
	64QAM	1	0	19.37	19.29	19.26	19.80
		1	25	19.52	19.50	19.59	19.80
		1	49	19.44	19.47	19.52	19.80
		25	0	18.46	18.50	18.46	18.80
		25	13	18.24	18.22	18.15	18.80



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		25	25	18.25	18.26	18.32	18.80
		50	0	18.23	18.32	18.31	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	21.32	21.22	21.14	21.80
		1	38	21.21	21.31	21.29	21.80
		1	74	21.35	21.27	21.22	21.80
		36	0	20.41	20.46	20.54	20.80
		36	18	20.37	20.35	20.32	20.80
		36	39	20.23	20.33	20.35	20.80
		75	0	20.38	20.34	20.33	20.80
	16QAM	1	0	20.25	20.27	20.19	20.80
		1	38	20.50	20.47	20.42	20.80
		1	74	20.31	20.23	20.29	20.80
		36	0	19.37	19.38	19.29	19.80
		36	18	19.29	19.30	19.31	19.80
		36	39	19.55	19.45	19.38	19.80
		75	0	19.48	19.45	19.53	19.80
	64QAM	1	0	19.36	19.29	19.25	19.80
		1	38	19.55	19.46	19.50	19.80
		1	74	19.38	19.39	19.47	19.80
		36	0	18.36	18.46	18.39	18.80
		36	18	18.17	18.23	18.14	18.80
		36	39	18.42	18.34	18.43	18.80
		75	0	18.22	18.31	18.32	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	21.59	/	21.80
		1	50	/	21.28	/	21.80
		1	99	/	21.32	/	21.80
		50	0	/	20.45	/	20.80
		50	25	/	20.29	/	20.80
		50	50	/	20.32	/	20.80
		100	0	/	20.27	/	20.80
	16QAM	1	0	/	20.35	/	20.80
		1	50	/	20.42	/	20.80
		1	99	/	20.25	/	20.80
		50	0	/	19.41	/	19.80
		50	25	/	19.28	/	19.80
		50	50	/	19.38	/	19.80
		100	0	/	19.36	/	19.80
	64QAM	1	0	/	19.29	/	19.80
		1	50	/	19.39	/	19.80
		1	99	/	19.32	/	19.80
		50	0	/	18.44	/	18.80
		50	25	/	18.28	/	18.80
		50	50	/	18.36	/	18.80
		100	0	/	18.31	/	18.80



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	19.47	19.42	19.27	20.80
		1	13	19.10	19.21	19.34	20.80
		1	24	19.32	19.60	19.54	20.80
		12	0	18.24	18.37	18.49	19.80
		12	6	18.22	18.53	18.38	19.80
		12	13	18.47	18.41	18.49	19.80
		25	0	18.53	18.30	18.33	19.80
	16QAM	1	0	18.36	18.19	18.37	19.80
		1	13	18.15	18.29	18.56	19.80
		1	24	18.37	18.50	18.31	19.80
		12	0	17.60	17.38	17.51	18.80
		12	6	17.33	17.46	17.44	18.80
		12	13	17.52	17.37	17.26	18.80
		25	0	17.15	17.26	17.24	18.80
	64QAM	1	0	17.47	17.23	17.28	18.80
		1	13	17.39	17.27	17.44	18.80
		1	24	17.30	17.40	17.36	18.80
		12	0	16.37	16.18	16.41	17.80
		12	6	16.51	16.31	16.52	17.80
		12	13	16.27	16.26	16.37	17.80
		25	0	16.28	16.34	16.26	17.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	19.37	19.40	19.30	20.80
		1	25	19.17	19.26	19.38	20.80
		1	49	19.39	19.54	19.50	20.80
		25	0	18.31	18.32	18.53	19.80
		25	13	18.18	18.47	18.40	19.80
		25	25	18.40	18.41	18.42	19.80
		50	0	18.47	18.32	18.42	19.80
	16QAM	1	0	18.36	18.23	18.32	19.80
		1	25	18.23	18.33	18.51	19.80
		1	49	18.31	18.46	18.31	19.80
		25	0	17.50	17.34	17.42	18.80
		25	13	17.35	17.36	17.41	18.80
		25	25	17.44	17.31	17.21	18.80
		50	0	17.18	17.33	17.32	18.80
	64QAM	1	0	17.41	17.29	17.34	18.80
		1	25	17.32	17.30	17.51	18.80
		1	49	17.30	17.50	17.39	18.80
		25	0	16.29	16.16	16.32	17.80
		25	13	16.48	16.40	16.48	17.80
		25	25	16.33	16.35	16.33	17.80
		50	0	16.27	16.31	16.32	17.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	19.35	19.45	19.35	20.80



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		1	38	19.25	19.31	19.35	20.80
		1	74	19.35	19.46	19.52	20.80
		36	0	18.30	18.29	18.46	19.80
		36	18	18.24	18.44	18.37	19.80
		36	39	18.36	18.41	18.43	19.80
		75	0	18.45	18.28	18.33	19.80
	16QAM	1	0	18.38	18.33	18.42	19.80
		1	38	18.31	18.30	18.41	19.80
		1	74	18.38	18.45	18.35	19.80
		36	0	17.50	17.35	17.38	18.80
		36	18	17.43	17.34	17.39	18.80
		36	39	17.36	17.33	17.18	18.80
		75	0	17.17	17.24	17.42	18.80
	64QAM	1	0	17.40	17.36	17.35	18.80
		1	38	17.26	17.26	17.41	18.80
		1	74	17.28	17.41	17.43	18.80
		36	0	16.30	16.26	16.29	17.80
		36	18	16.52	16.32	16.47	17.80
		36	39	16.33	16.40	16.32	17.80
		75	0	16.21	16.22	16.34	17.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	19.62	19.68	19.63	20.80
		1	50	19.33	19.37	19.25	20.80
		1	99	19.32	19.39	19.42	20.80
		50	0	18.31	18.36	18.35	19.80
		50	25	18.34	18.44	18.40	19.80
		50	50	18.42	18.37	18.43	19.80
		100	0	18.36	18.38	18.26	19.80
	16QAM	1	0	18.39	18.33	18.37	19.80
		1	50	18.30	18.31	18.38	19.80
		1	99	18.32	18.40	18.43	19.80
		50	0	17.44	17.29	17.33	18.80
		50	25	17.42	17.33	17.37	18.80
		50	50	17.38	17.40	17.28	18.80
		100	0	17.26	17.32	17.43	18.80
	64QAM	1	0	17.41	17.36	17.45	18.80
		1	50	17.36	17.35	17.45	18.80
		1	99	17.36	17.31	17.44	18.80
		50	0	16.40	16.28	16.31	17.80
		50	25	16.42	16.29	16.37	17.80
		50	50	16.34	16.43	16.35	17.80
		100	0	16.27	16.32	16.42	17.80

LTE Band 7 State10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	15.96	15.92	15.76	17.30
		1	13	15.58	15.71	15.83	17.30



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		1	24	15.81	16.09	16.03	17.30
		12	0	15.73	15.87	15.99	17.30
		12	6	15.72	16.02	15.86	17.30
		12	13	15.96	15.89	15.98	17.30
		25	0	16.01	15.80	15.82	17.30
	16QAM	1	0	15.86	15.68	15.86	17.30
		1	13	15.64	15.78	16.05	17.30
		1	24	15.85	15.98	15.80	17.30
		12	0	16.09	15.87	15.99	17.30
		12	6	15.83	15.94	15.93	17.30
		12	13	16.00	15.86	15.75	17.30
		25	0	15.63	15.75	15.72	17.30
	64QAM	1	0	15.96	15.73	15.76	17.30
		1	13	15.87	15.76	15.93	17.30
		1	24	15.79	15.90	15.85	17.30
		12	0	15.87	15.68	15.89	17.30
		12	6	16.01	15.79	16.00	17.30
		12	13	15.76	15.76	15.86	17.30
		25	0	15.76	15.84	15.76	17.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	15.86	15.89	15.79	17.30
		1	25	15.65	15.75	15.87	17.30
		1	49	15.89	16.03	15.99	17.30
		25	0	15.80	15.81	16.02	17.30
		25	13	15.67	15.96	15.88	17.30
		25	25	15.89	15.89	15.92	17.30
		50	0	15.97	15.80	15.90	17.30
	16QAM	1	0	15.85	15.73	15.82	17.30
		1	25	15.72	15.83	16.01	17.30
		1	49	15.80	15.96	15.80	17.30
		25	0	15.99	15.83	15.92	17.30
		25	13	15.84	15.85	15.90	17.30
		25	25	15.93	15.80	15.69	17.30
		50	0	15.68	15.82	15.81	17.30
	64QAM	1	0	15.89	15.79	15.83	17.30
		1	25	15.80	15.80	15.99	17.30
		1	49	15.79	15.98	15.87	17.30
		25	0	15.78	15.64	15.82	17.30
		25	13	15.97	15.89	15.97	17.30
		25	25	15.82	15.84	15.82	17.30
		50	0	15.76	15.81	15.81	17.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	15.84	15.95	15.84	17.30
		1	38	15.73	15.80	15.85	17.30
		1	74	15.84	15.96	16.00	17.30
		36	0	15.79	15.78	15.95	17.30
		36	18	15.74	15.94	15.85	17.30
		36	39	15.84	15.90	15.93	17.30

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	16QAM	75	0	15.95	15.77	15.81	17.30
		1	0	15.88	15.81	15.90	17.30
		1	38	15.81	15.80	15.90	17.30
		1	74	15.87	15.94	15.84	17.30
		36	0	15.99	15.83	15.87	17.30
		36	18	15.92	15.83	15.88	17.30
		36	39	15.86	15.83	15.67	17.30
		75	0	15.66	15.74	15.92	17.30
	64QAM	1	0	15.88	15.85	15.83	17.30
		1	38	15.74	15.75	15.91	17.30
		1	74	15.76	15.91	15.93	17.30
		36	0	15.80	15.75	15.78	17.30
		36	18	16.01	15.81	15.96	17.30
		36	39	15.82	15.90	15.82	17.30
		75	0	15.71	15.71	15.84	17.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	16.11	16.16	16.13	17.30
		1	50	15.82	15.86	15.74	17.30
		1	99	15.80	15.88	15.92	17.30
		50	0	15.79	15.85	15.84	17.30
		50	25	15.84	15.93	15.90	17.30
		50	50	15.92	15.87	15.92	17.30
		100	0	15.86	15.86	15.75	17.30
	16QAM	1	0	15.87	15.82	15.87	17.30
		1	50	15.79	15.79	15.87	17.30
		1	99	15.80	15.89	15.92	17.30
		50	0	15.92	15.78	15.82	17.30
		50	25	15.90	15.83	15.85	17.30
		50	50	15.86	15.89	15.77	17.30
		100	0	15.76	15.81	15.92	17.30
	64QAM	1	0	15.90	15.85	15.94	17.30
		1	50	15.86	15.83	15.94	17.30
		1	99	15.86	15.81	15.93	17.30
		50	0	15.90	15.78	15.80	17.30
		50	25	15.91	15.78	15.85	17.30
		50	50	15.84	15.91	15.84	17.30
		100	0	15.75	15.82	15.90	17.30

LTE Band 66 State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	21.26	21.56	21.42	21.80
		1	2	21.51	21.44	21.52	21.80
		1	5	21.25	21.52	21.39	21.80
		3	0	21.45	21.45	21.34	21.80
		3	1	21.67	21.41	21.53	21.80
		3	3	21.50	21.37	21.30	21.80
		6	0	20.50	20.71	20.46	20.80



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	16QAM	1	0	20.49	20.54	20.64	20.80
		1	2	20.48	20.32	20.57	20.80
		1	5	20.45	20.44	20.53	20.80
		3	0	20.20	20.43	20.53	20.80
		3	1	20.59	20.57	20.57	20.80
		3	3	20.30	20.48	20.44	20.80
		6	0	19.29	19.14	19.51	19.80
	64QAM	1	0	19.47	19.50	19.63	19.80
		1	2	19.61	19.29	19.28	19.80
		1	5	19.34	19.35	19.49	19.80
		3	0	19.19	19.36	19.53	19.80
		3	1	19.65	19.41	19.43	19.80
		3	3	19.42	19.32	19.46	19.80
		6	0	18.29	18.53	18.26	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	21.26	21.54	21.49	21.80
		1	7	21.52	21.53	21.45	21.80
		1	14	21.33	21.47	21.39	21.80
		8	0	20.42	20.43	20.40	20.80
		8	4	20.68	20.44	20.53	20.80
		8	7	20.51	20.39	20.36	20.80
		15	0	20.41	20.72	20.39	20.80
	16QAM	1	0	20.49	20.59	20.58	20.80
		1	7	20.46	20.26	20.57	20.80
		1	14	20.52	20.46	20.53	20.80
		8	0	19.30	19.37	19.51	19.80
		8	4	19.49	19.65	19.55	19.80
		8	7	19.39	19.52	19.46	19.80
		15	0	19.38	19.21	19.47	19.80
	64QAM	1	0	19.55	19.54	19.60	19.80
		1	7	19.59	19.37	19.36	19.80
		1	14	19.44	19.36	19.47	19.80
		8	0	18.20	18.44	18.57	18.80
		8	4	18.55	18.35	18.42	18.80
		8	7	18.46	18.39	18.42	18.80
		15	0	18.33	18.44	18.35	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	21.31	21.56	21.46	21.80
		1	13	21.52	21.50	21.35	21.80
		1	24	21.36	21.37	21.38	21.80
		12	0	20.51	20.49	20.48	20.80
		12	6	20.60	20.48	20.53	20.80
		12	13	20.45	20.43	20.27	20.80
		25	0	20.51	20.65	20.44	20.80
	16QAM	1	0	20.48	20.55	20.64	20.80
		1	13	20.39	20.34	20.56	20.80
		1	24	20.52	20.50	20.49	20.80
		12	0	19.36	19.41	19.41	19.80



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		12	6	19.50	19.55	19.63	19.80
		12	13	19.46	19.53	19.49	19.80
		25	0	19.44	19.31	19.38	19.80
	64QAM	1	0	19.54	19.61	19.70	19.80
		1	13	19.50	19.45	19.36	19.80
		1	24	19.39	19.41	19.47	19.80
		12	0	18.30	18.43	18.54	18.80
		12	6	18.53	18.28	18.37	18.80
		12	13	18.42	18.30	18.37	18.80
		25	0	18.28	18.36	18.35	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	21.40	21.54	21.46	21.80
		1	25	21.51	21.42	21.36	21.80
		1	49	21.36	21.27	21.37	21.80
		25	0	20.45	20.49	20.55	20.80
		25	13	20.51	20.54	20.59	20.80
		25	25	20.37	20.48	20.31	20.80
		50	0	20.53	20.66	20.48	20.80
	16QAM	1	0	20.38	20.53	20.66	20.80
		1	25	20.44	20.40	20.53	20.80
		1	49	20.52	20.50	20.46	20.80
		25	0	19.45	19.47	19.36	19.80
		25	13	19.47	19.63	19.59	19.80
		25	25	19.51	19.43	19.40	19.80
		50	0	19.38	19.27	19.43	19.80
	64QAM	1	0	19.50	19.64	19.61	19.80
		1	25	19.49	19.45	19.34	19.80
		1	49	19.47	19.50	19.41	19.80
		25	0	18.28	18.50	18.45	18.80
		25	13	18.44	18.32	18.42	18.80
		25	25	18.36	18.38	18.46	18.80
		50	0	18.30	18.39	18.44	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	21.45	21.51	21.49	21.80
		1	38	21.47	21.33	21.44	21.80
		1	74	21.42	21.33	21.44	21.80
		36	0	20.41	20.55	20.46	20.80
		36	18	20.52	20.48	20.50	20.80
		36	39	20.36	20.57	20.27	20.80
		75	0	20.48	20.61	20.49	20.80
	16QAM	1	0	20.41	20.54	20.58	20.80
		1	38	20.43	20.38	20.46	20.80
		1	74	20.52	20.43	20.38	20.80
		36	0	19.47	19.52	19.32	19.80
		36	18	19.43	19.60	19.55	19.80
		36	39	19.49	19.48	19.45	19.80
		75	0	19.48	19.36	19.39	19.80
	64QAM	1	0	19.60	19.54	19.51	19.80



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		1	38	19.43	19.35	19.41	19.80
		1	74	19.47	19.46	19.38	19.80
		36	0	18.37	18.40	18.46	18.80
		36	18	18.51	18.41	18.48	18.80
		36	39	18.42	18.44	18.56	18.80
		75	0	18.34	18.36	18.48	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	21.50	21.69	21.47	21.80
		1	50	21.40	21.37	21.46	21.80
		1	99	21.37	21.35	21.51	21.80
		50	0	20.57	20.66	20.45	20.80
		50	25	20.53	20.44	20.42	20.80
		50	50	20.41	20.51	20.36	20.80
		100	0	20.52	20.58	20.53	20.80
	16QAM	1	0	20.43	20.50	20.50	20.80
		1	50	20.43	20.40	20.37	20.80
		1	99	20.49	20.44	20.45	20.80
		50	0	19.40	19.52	19.39	19.80
		50	25	19.51	19.52	19.54	19.80
		50	50	19.50	19.51	19.41	19.80
		100	0	19.39	19.44	19.41	19.80
	64QAM	1	0	19.54	19.50	19.52	19.80
		1	50	19.43	19.43	19.35	19.80
		1	99	19.42	19.52	19.44	19.80
		50	0	18.45	18.43	18.49	18.80
		50	25	18.52	18.43	18.51	18.80
		50	50	18.44	18.44	18.56	18.80
		100	0	18.42	18.38	18.52	18.80

LTE Band 66 State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	20.90	20.83	20.87	21.30
		1	2	20.78	21.11	20.90	21.30
		1	5	20.80	20.91	20.67	21.30
		3	0	21.02	21.05	20.87	21.30
		3	1	20.73	21.03	20.99	21.30
		3	3	20.96	21.08	20.76	21.30
		6	0	20.53	20.65	20.48	20.80
	16QAM	1	0	20.19	20.57	20.19	20.80
		1	2	20.29	20.46	20.49	20.80
		1	5	20.54	20.16	20.45	20.80
		3	0	20.44	20.45	20.41	20.80
		3	1	20.25	20.37	20.28	20.80
		3	3	20.54	20.26	20.35	20.80
		6	0	19.33	19.30	19.43	19.80
	64QAM	1	0	19.19	19.41	19.69	19.80
		1	2	19.46	19.20	19.44	19.80



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		1	5	19.54	19.35	19.35	19.80
		3	0	19.22	19.26	19.35	19.80
		3	1	19.37	19.44	19.42	19.80
		3	3	19.31	19.35	19.47	19.80
		6	0	18.52	18.26	18.27	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	20.92	20.75	20.78	21.30
		1	7	20.72	21.06	20.83	21.30
		1	14	20.89	20.94	20.72	21.30
		8	0	20.51	20.53	20.40	20.80
		8	4	20.28	20.62	20.55	20.80
		8	7	20.47	20.56	20.30	20.80
		15	0	20.61	20.56	20.45	20.80
	16QAM	1	0	20.29	20.62	20.16	20.80
		1	7	20.26	20.40	20.47	20.80
		1	14	20.50	20.26	20.51	20.80
		8	0	19.47	19.38	19.46	19.80
		8	4	19.26	19.39	19.21	19.80
		8	7	19.44	19.27	19.32	19.80
		15	0	19.29	19.34	19.49	19.80
	64QAM	1	0	19.25	19.45	19.61	19.80
		1	7	19.47	19.28	19.51	19.80
		1	14	19.45	19.32	19.45	19.80
		8	0	18.31	18.25	18.33	18.80
		8	4	18.38	18.35	18.45	18.80
		8	7	18.38	18.37	18.43	18.80
		15	0	18.60	18.22	18.33	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	20.85	20.85	20.75	21.30
		1	13	20.82	21.02	20.87	21.30
		1	24	20.85	21.01	20.66	21.30
		12	0	20.48	20.53	20.47	20.80
		12	6	20.37	20.52	20.52	20.80
		12	13	20.48	20.46	20.24	20.80
		25	0	20.53	20.54	20.46	20.80
	16QAM	1	0	20.33	20.52	20.26	20.80
		1	13	20.36	20.36	20.44	20.80
		1	24	20.41	20.30	20.45	20.80
		12	0	19.52	19.42	19.41	19.80
		12	6	19.30	19.35	19.26	19.80
		12	13	19.37	19.26	19.35	19.80
		25	0	19.20	19.36	19.49	19.80
	64QAM	1	0	19.30	19.53	19.52	19.80
		1	13	19.47	19.18	19.46	19.80
		1	24	19.44	19.31	19.43	19.80
		12	0	18.26	18.15	18.34	18.80
		12	6	18.46	18.33	18.37	18.80
		12	13	18.30	18.41	18.47	18.80



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		25	0	18.50	18.30	18.43	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	20.81	20.75	20.83	21.30
		1	25	20.88	20.94	20.88	21.30
		1	49	20.85	20.91	20.76	21.30
		25	0	20.39	20.47	20.47	20.80
		25	13	20.31	20.51	20.44	20.80
		25	25	20.48	20.46	20.26	20.80
		50	0	20.46	20.54	20.47	20.80
	16QAM	1	0	20.37	20.42	20.26	20.80
		1	25	20.27	20.37	20.46	20.80
		1	49	20.40	20.27	20.36	20.80
		25	0	19.57	19.40	19.33	19.80
		25	13	19.36	19.33	19.34	19.80
		25	25	19.38	19.36	19.44	19.80
		50	0	19.20	19.30	19.53	19.80
	64QAM	1	0	19.26	19.46	19.47	19.80
		1	25	19.38	19.25	19.50	19.80
		1	49	19.41	19.27	19.53	19.80
		25	0	18.20	18.25	18.38	18.80
		25	13	18.41	18.40	18.43	18.80
		25	25	18.21	18.43	18.38	18.80
		50	0	18.51	18.40	18.41	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	20.77	20.71	20.92	21.30
		1	38	20.88	20.99	20.86	21.30
		1	74	20.93	20.89	20.84	21.30
		36	0	20.32	20.46	20.49	20.80
		36	18	20.40	20.45	20.40	20.80
		36	39	20.44	20.46	20.28	20.80
		75	0	20.39	20.48	20.46	20.80
	16QAM	1	0	20.28	20.37	20.19	20.80
		1	38	20.36	20.28	20.50	20.80
		1	74	20.41	20.27	20.32	20.80
		36	0	19.50	19.35	19.31	19.80
		36	18	19.36	19.41	19.42	19.80
		36	39	19.33	19.27	19.39	19.80
		75	0	19.18	19.39	19.45	19.80
	64QAM	1	0	19.30	19.54	19.39	19.80
		1	38	19.40	19.18	19.50	19.80
		1	74	19.35	19.34	19.47	19.80
		36	0	18.23	18.27	18.33	18.80
		36	18	18.50	18.42	18.44	18.80
		36	39	18.30	18.48	18.29	18.80
		75	0	18.44	18.41	18.36	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	20.95	21.13	20.94	21.30



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		1	50	20.79	20.95	20.92	21.30
		1	99	20.93	20.93	20.87	21.30
		50	0	20.47	20.57	20.53	20.80
		50	25	20.32	20.35	20.45	20.80
		50	50	20.41	20.39	20.36	20.80
		100	0	20.42	20.47	20.40	20.80
	16QAM	1	0	20.26	20.44	20.28	20.80
		1	50	20.26	20.33	20.45	20.80
		1	99	20.44	20.35	20.28	20.80
		50	0	19.40	19.35	19.33	19.80
		50	25	19.41	19.35	19.38	19.80
		50	50	19.37	19.31	19.29	19.80
		100	0	19.28	19.37	19.39	19.80
	64QAM	1	0	19.37	19.46	19.44	19.80
		1	50	19.35	19.26	19.43	19.80
		1	99	19.29	19.25	19.44	19.80
		50	0	18.33	18.32	18.32	18.80
		50	25	18.42	18.39	18.37	18.80
		50	50	18.34	18.38	18.27	18.80
		100	0	18.45	18.39	18.32	18.80

LTE Band 38 State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	19.33	19.31	19.38	20.80
		1	13	19.56	19.50	19.44	20.80
		1	24	19.27	19.25	19.28	20.80
		12	0	18.34	18.37	18.32	19.80
		12	6	18.54	18.49	18.58	19.80
		12	13	18.51	18.50	18.56	19.80
		25	0	18.47	18.41	18.31	19.80
	16QAM	1	0	18.12	18.12	18.15	19.80
		1	13	18.23	18.24	18.15	19.80
		1	24	18.50	18.46	18.44	19.80
		12	0	17.39	17.35	17.30	18.80
		12	6	17.30	17.28	17.38	18.80
		12	13	17.31	17.21	17.14	18.80
		25	0	17.21	17.21	17.17	18.80
	64QAM	1	0	17.28	17.36	17.30	18.80
		1	13	17.38	17.30	17.32	18.80
		1	24	17.62	17.60	17.52	18.80
		12	0	16.23	16.24	16.28	17.80
		12	6	16.27	16.26	16.36	17.80
		12	13	16.45	16.41	16.37	17.80
		25	0	16.30	16.25	16.24	17.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	19.46	19.40	19.50	20.80
		1	25	19.46	19.46	19.41	20.80



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		1	49	19.18	19.18	19.20	20.80
		25	0	18.42	18.47	18.47	19.80
		25	13	18.52	18.47	18.40	19.80
		25	25	18.47	18.44	18.54	19.80
		50	0	18.37	18.45	18.37	19.80
	16QAM	1	0	18.18	18.16	18.25	19.80
		1	25	18.33	18.31	18.36	19.80
		1	49	18.36	18.36	18.42	19.80
		25	0	17.42	17.38	17.47	18.80
		25	13	17.31	17.33	17.37	18.80
		25	25	17.29	17.25	17.29	18.80
		50	0	17.12	17.21	17.28	18.80
	64QAM	1	0	17.26	17.34	17.32	18.80
		1	25	17.43	17.36	17.34	18.80
		1	49	17.54	17.55	17.48	18.80
		25	0	16.32	16.25	16.27	17.80
		25	13	16.43	16.34	16.42	17.80
		25	25	16.40	16.35	16.41	17.80
		50	0	16.18	16.22	16.26	17.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	19.44	19.38	19.34	20.80
		1	38	19.50	19.54	19.56	20.80
		1	74	19.19	19.19	19.23	20.80
		36	0	18.40	18.39	18.49	19.80
		36	18	18.38	18.37	18.39	19.80
		36	39	18.58	18.52	18.54	19.80
		75	0	18.30	18.38	18.44	19.80
	16QAM	1	0	18.16	18.25	18.25	19.80
		1	38	18.21	18.23	18.20	19.80
		1	74	18.39	18.36	18.40	19.80
		36	0	17.33	17.36	17.44	18.80
		36	18	17.27	17.36	17.41	18.80
		36	39	17.29	17.21	17.19	18.80
		75	0	17.29	17.22	17.28	18.80
	64QAM	1	0	17.46	17.42	17.50	18.80
		1	38	17.33	17.28	17.18	18.80
		1	74	17.41	17.51	17.55	18.80
		36	0	16.31	16.29	16.34	17.80
		36	18	16.16	16.24	16.29	17.80
		36	39	16.20	16.30	16.27	17.80
		75	0	16.21	16.28	16.31	17.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	38000	/	
20MHz	QPSK	1	0	/	19.34	/	20.80
		1	50	/	19.45	/	20.80
		1	99	/	19.25	/	20.80
		50	0	/	18.35	/	19.80
		50	25	/	18.33	/	19.80
		50	50	/	18.42	/	19.80



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	16QAM	100	0	/	18.35	/	19.80
		1	0	/	18.35	/	19.80
		1	50	/	18.29	/	19.80
		1	99	/	18.26	/	19.80
		50	0	/	17.38	/	18.80
		50	25	/	17.27	/	18.80
		50	50	/	17.30	/	18.80
		100	0	/	17.25	/	18.80
	64QAM	1	0	/	17.40	/	18.80
		1	50	/	17.33	/	18.80
		1	99	/	17.42	/	18.80
		50	0	/	16.34	/	17.80
		50	25	/	16.29	/	17.80
		50	50	/	16.25	/	17.80
		100	0	/	16.36	/	17.80

LTE Band 41 2496 - 2690 State1/4/7				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	20.1	20.02	20.09	20.14	20.2	21.80
		1	13	20.1	19.94	20.13	20.04	20.1	21.80
		1	24	20.12	19.95	19.98	20.3	20.17	21.80
		12	0	19.15	19.08	19.06	19.15	19.27	20.80
		12	6	19.12	19.18	19.06	19.19	19.27	20.80
		12	13	19.04	18.97	19.13	19.02	19.11	20.80
		25	0	19.11	19.31	19.07	18.88	18.98	20.80
	16QAM	1	0	18.83	19	18.94	18.94	19.29	20.80
		1	13	18.88	19.4	19.26	18.91	18.99	20.80
		1	24	19.26	19.2	19.04	18.96	19.17	20.80
		12	0	17.93	17.94	18.08	18.22	18.08	19.80
		12	6	18.22	17.99	18.11	17.85	17.88	19.80
		12	13	17.99	18.08	18.08	17.97	17.99	19.80
		25	0	18.05	18.09	17.83	18.13	17.83	19.80
	64QAM	1	0	18.18	18.02	18.21	17.85	17.94	19.80
		1	13	18.07	18.16	17.95	18.04	18.06	19.80
		1	24	18.00	18.05	17.85	18.08	18.14	19.80
		12	0	17.00	16.94	17.00	17.13	17.31	18.80
		12	6	17.22	17.05	16.96	17.17	17.17	18.80
		12	13	17.03	16.85	16.83	17.03	16.99	18.80
		25	0	17.14	17.06	17.18	16.83	16.95	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	20.05	20	20.11	20.04	20.14	21.80
		1	25	20.08	19.97	20.05	19.99	20.12	21.80
		1	49	20.19	20.04	20.07	20.22	20.18	21.80
		25	0	19.16	19.08	19.05	19.1	19.19	20.80
		25	13	19.21	19.21	19.13	19.12	19.18	20.80
		25	25	18.99	19.01	19.04	19.03	19.04	20.80
		50	0	19.07	19.28	19.1	18.9	18.94	20.80



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	16QAM	1	0	18.92	18.9	19	19	19.23	20.80
		1	25	18.93	19.3	19.17	18.9	18.9	20.80
		1	49	18.87	19.13	19.03	18.95	19.2	20.80
		25	0	18.02	18.03	18.08	18.18	17.89	19.80
		25	13	18.15	18.02	18.19	17.91	17.89	19.80
		25	25	18.05	17.98	18.18	18	18.08	19.80
		50	0	18.1	18.11	17.83	18.06	17.87	19.80
	64QAM	1	0	18.21	18.02	18.12	17.95	18.02	19.80
		1	25	18.12	18.18	18.00	17.97	18.11	19.80
		1	49	18.08	18.03	17.95	18.09	18.16	19.80
		25	0	16.98	16.87	17.06	17.08	17.28	18.80
		25	13	17.16	17.00	17.06	17.18	17.12	18.80
		25	25	17.13	16.82	16.86	16.99	17.09	18.80
		50	0	17.11	17.04	17.12	16.89	16.87	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	20.04	20.02	20.2	20.02	20.06	21.80
		1	38	20.15	20.07	20.05	19.97	20.11	21.80
		1	74	20.11	19.97	20.09	20.17	20.11	21.80
		36	0	19.19	19.15	19.13	19.1	19.22	20.80
		36	18	19.15	19.12	19.08	19.16	19.11	20.80
		36	39	19.09	19.02	19.05	18.94	19.11	20.80
		75	0	19.13	19.22	19.11	18.97	18.97	20.80
	16QAM	1	0	18.95	18.92	19.04	18.99	19.18	20.80
		1	38	18.92	19.22	19.12	18.94	18.98	20.80
		1	74	18.88	19.21	19.07	18.96	19.12	20.80
		36	0	18.01	17.97	18.18	18.16	17.89	19.80
		36	18	18.08	18.01	18.18	18	17.94	19.80
		36	39	17.99	18.05	18.17	18.03	18.07	19.80
		75	0	18.18	18.13	17.87	17.97	17.97	19.80
	64QAM	1	0	18.15	18.05	18.02	18.04	18.00	19.80
		1	38	18.07	18.16	17.91	17.88	18.12	19.80
		1	74	18.01	17.97	17.90	18.09	18.09	19.80
		36	0	17.02	16.86	17.02	17.11	17.18	18.80
		36	18	17.15	16.94	17.08	17.15	17.16	18.80
		36	39	17.22	16.90	16.90	16.95	17.17	18.80
		75	0	17.02	17.09	17.06	16.96	16.88	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	20.28	20.31	20.34	20.31	20.33	21.80
		1	50	20.11	20.12	20.06	19.95	20.12	21.80
		1	99	20.04	20.01	20.04	20.1	20.02	21.80
		50	0	19.09	19.13	19.18	19.04	19.15	20.80
		50	25	19.09	19.11	19.12	19.06	19.14	20.80
		50	50	19.14	19.08	19.11	19.03	19.06	20.80
		100	0	19.07	19.13	19.15	19.02	19.04	20.80
	16QAM	1	0	19.04	19.02	18.99	19.01	19.09	20.80
		1	50	19.01	19.12	19.07	18.96	19.02	20.80
		1	99	18.97	19.13	19.09	18.98	19.03	20.80
		50	0	18.06	18.05	18.15	18.11	17.96	19.80



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		50	25	18.02	17.96	18.11	18.05	17.98	19.80
		50	50	18.06	17.97	18.13	18.04	18.05	19.80
		100	0	18.08	18.05	17.97	18.04	18.02	19.80
	64QAM	1	0	18.14	18.08	17.99	17.98	17.96	19.80
		1	50	18.14	18.11	17.98	17.95	18.06	19.80
		1	99	18.07	18.00	17.96	18.03	18.12	19.80
		50	0	17.08	16.96	17.02	17.09	17.10	18.80
		50	25	17.12	17.02	16.99	17.15	17.13	18.80
		50	50	17.12	16.95	16.96	17.05	17.14	18.80
		100	0	17.05	17.10	17.13	16.97	16.97	18.80

LTE Band 41 2496 - 2690 State10				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	17.59	17.51	17.58	17.63	17.69	19.30
		1	13	17.59	17.42	17.63	17.52	17.58	19.30
		1	24	17.6	17.43	17.47	17.78	17.67	19.30
		12	0	17.63	17.57	17.55	17.64	17.75	19.30
		12	6	17.61	17.67	17.55	17.69	17.77	19.30
		12	13	17.52	17.45	17.61	17.51	17.61	19.30
		25	0	17.6	17.8	17.55	17.37	17.46	19.30
	16QAM	1	0	17.31	17.5	17.43	17.43	17.79	19.30
		1	13	17.37	17.88	17.75	17.4	17.49	19.30
		1	24	17.76	17.69	17.53	17.45	17.65	19.30
		12	0	17.41	17.42	17.56	17.71	17.57	19.30
		12	6	17.72	17.48	17.61	17.35	17.37	19.30
		12	13	17.49	17.57	17.57	17.47	17.48	19.30
		25	0	17.53	17.58	17.31	17.62	17.33	19.30
	64QAM	1	0	17.67	17.51	17.70	17.34	17.44	19.30
		1	13	17.55	17.66	17.44	17.53	17.55	19.30
		1	24	17.49	17.55	17.35	17.56	17.63	19.30
		12	0	16.99	16.92	16.99	17.11	17.30	18.80
		12	6	17.20	17.04	16.95	17.17	17.16	18.80
		12	13	17.01	16.84	16.82	17.02	16.97	18.80
		25	0	17.14	17.04	17.17	16.81	16.94	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	17.54	17.49	17.6	17.53	17.62	19.30
		1	25	17.57	17.45	17.54	17.47	17.61	19.30
		1	49	17.67	17.54	17.56	17.72	17.67	19.30
		25	0	17.64	17.57	17.53	17.6	17.69	19.30
		25	13	17.69	17.69	17.62	17.62	17.66	19.30
		25	25	17.47	17.49	17.53	17.51	17.52	19.30
		50	0	17.57	17.77	17.59	17.39	17.43	19.30
	16QAM	1	0	17.42	17.4	17.48	17.48	17.71	19.30
		1	25	17.41	17.79	17.65	17.39	17.38	19.30
		1	49	17.36	17.61	17.53	17.43	17.69	19.30
		25	0	17.51	17.53	17.57	17.66	17.38	19.30
		25	13	17.63	17.51	17.68	17.41	17.38	19.30



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		25	25	17.53	17.46	17.67	17.49	17.57	19.30
		50	0	17.59	17.6	17.33	17.54	17.36	19.30
	64QAM	1	0	17.70	17.51	17.61	17.43	17.50	19.30
		1	25	17.61	17.67	17.49	17.46	17.60	19.30
		1	49	17.58	17.53	17.44	17.58	17.66	19.30
		25	0	16.96	16.87	17.06	17.08	17.27	18.80
		25	13	17.15	16.99	17.06	17.17	17.11	18.80
		25	25	17.13	16.80	16.86	16.98	17.07	18.80
		50	0	17.10	17.02	17.11	16.89	16.85	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	17.53	17.52	17.69	17.52	17.54	19.30
		1	38	17.63	17.55	17.55	17.46	17.6	19.30
		1	74	17.59	17.45	17.57	17.67	17.6	19.30
		36	0	17.67	17.64	17.61	17.59	17.72	19.30
		36	18	17.64	17.61	17.57	17.65	17.6	19.30
		36	39	17.58	17.51	17.53	17.42	17.6	19.30
		75	0	17.61	17.72	17.6	17.47	17.47	19.30
	16QAM	1	0	17.44	17.4	17.53	17.48	17.68	19.30
		1	38	17.41	17.71	17.61	17.43	17.46	19.30
		1	74	17.37	17.7	17.56	17.44	17.62	19.30
		36	0	17.5	17.46	17.68	17.64	17.38	19.30
		36	18	17.58	17.5	17.66	17.5	17.43	19.30
		36	39	17.47	17.54	17.65	17.52	17.55	19.30
		75	0	17.68	17.61	17.36	17.46	17.47	19.30
	64QAM	1	0	17.63	17.55	17.52	17.54	17.49	19.30
		1	38	17.56	17.65	17.40	17.37	17.62	19.30
		1	74	17.50	17.45	17.40	17.59	17.58	19.30
		36	0	17.01	16.85	17.01	17.10	17.18	18.80
		36	18	17.13	16.92	17.06	17.15	17.15	18.80
		36	39	17.21	16.88	16.90	16.94	17.15	18.80
		75	0	17.02	17.08	17.05	16.94	16.88	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	17.77	17.80	17.83	17.80	17.81	19.30
		1	50	17.6	17.62	17.55	17.45	17.62	19.30
		1	99	17.53	17.49	17.53	17.59	17.5	19.30
		50	0	17.57	17.62	17.66	17.53	17.64	19.30
		50	25	17.58	17.6	17.6	17.55	17.64	19.30
		50	50	17.63	17.57	17.6	17.51	17.56	19.30
		100	0	17.57	17.62	17.65	17.51	17.53	19.30
	16QAM	1	0	17.52	17.52	17.48	17.5	17.58	19.30
		1	50	17.5	17.61	17.56	17.45	17.5	19.30
		1	99	17.45	17.63	17.59	17.48	17.51	19.30
		50	0	17.55	17.54	17.64	17.6	17.46	19.30
		50	25	17.51	17.45	17.6	17.55	17.46	19.30
		50	50	17.55	17.45	17.61	17.53	17.54	19.30
		100	0	17.57	17.55	17.46	17.53	17.51	19.30
	64QAM	1	0	17.64	17.57	17.48	17.47	17.44	19.30
		1	50	17.62	17.59	17.48	17.45	17.54	19.30



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		1	99	17.56	17.48	17.44	17.53	17.61	19.30
		50	0	17.07	16.95	17.02	17.09	17.09	18.80
		50	25	17.11	17.00	16.98	17.13	17.13	18.80
		50	50	17.11	16.93	16.96	17.04	17.12	18.80
		100	0	17.04	17.08	17.12	16.96	16.95	18.80



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4. Conducted Power of LTE UL_CA

Ant3:

Combination	Modulation	PCC					SCC					State4	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	7	20	21048	1	0	22.59	24.00
CA_7C	QPSK	7	20	21100	1	99	7	20	21298	1	0	22.72	24.00
CA_7C	QPSK	7	20	21100	1	0	7	20	20902	1	99	22.73	24.00
CA_7C	QPSK	7	20	21350	1	0	7	20	21152	1	99	22.61	24.00

Combination	Modulation	PCC					SCC					State1/7	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	7	20	21048	1	0	20.88	22.20
CA_7C	QPSK	7	20	21100	1	99	7	20	21298	1	0	20.93	22.20
CA_7C	QPSK	7	20	21100	1	0	7	20	20902	1	99	20.94	22.20
CA_7C	QPSK	7	20	21350	1	0	7	20	21152	1	99	20.82	22.20

Combination	Modulation	PCC					SCC					State1/4/7/10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	99	38	20	38048	1	0	23.26	24.30
CA_38C	QPSK	38	20	37901	1	99	38	20	38099	1	0	23.31	24.30
CA_38C	QPSK	38	20	38099	1	0	38	20	37901	1	99	23.33	24.30
CA_38C	QPSK	38	20	38150	1	0	38	20	37952	1	99	23.27	24.30

Combination	Modulation	PCC					SCC					State4/10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	41	20	39948	1	0	23.14	24.80
CA_41C	QPSK	41	20	40185	1	99	41	20	40383	1	0	23.16	24.80
CA_41C	QPSK	41	20	40620	1	99	41	20	40818	1	0	23.32	24.80
CA_41C	QPSK	41	20	40620	1	0	41	20	40422	1	99	23.33	24.80
CA_41C	QPSK	41	20	41055	1	0	41	20	40857	1	99	23.17	24.80
CA_41C	QPSK	41	20	41490	1	0	41	20	41292	1	99	23.20	24.80

Combination	Modulation	PCC					SCC					State1/7	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	41	20	39948	1	0	22.62	24.30
CA_41C	QPSK	41	20	40185	1	99	41	20	40383	1	0	22.83	24.30
CA_41C	QPSK	41	20	40620	1	99	41	20	40818	1	0	22.91	24.30
CA_41C	QPSK	41	20	40620	1	0	41	20	40422	1	99	22.92	24.30
CA_41C	QPSK	41	20	41055	1	0	41	20	40857	1	99	22.79	24.30
CA_41C	QPSK	41	20	41490	1	0	41	20	41292	1	99	22.69	24.30



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Combination	Modulation	PCC					SCC					State4/10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_66C	QPSK	66	20	132072	1	99	66	20	132270	1	0	22.97	24.60
CA_66C	QPSK	66	20	132322	1	99	66	20	132520	1	0	23.36	24.60
CA_66C	QPSK	66	20	132322	1	0	66	20	132124	1	99	23.39	24.60
CA_66C	QPSK	66	20	132572	1	0	66	20	132374	1	99	22.89	24.60

Combination	Modulation	PCC					SCC					State1/7	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_66C	QPSK	66	20	132072	1	99	66	20	132270	1	0	22.71	24.10
CA_66C	QPSK	66	20	132322	1	99	66	20	132520	1	0	22.77	24.10
CA_66C	QPSK	66	20	132322	1	0	66	20	132124	1	99	22.79	24.10
CA_66C	QPSK	66	20	132572	1	0	66	20	132374	1	99	22.76	24.10

Ant4:

Combination	Modulation	PCC					SCC					State4/10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	7	20	21048	1	0	16.39	18.10
CA_7C	QPSK	7	20	21100	1	99	7	20	21298	1	0	16.55	18.10
CA_7C	QPSK	7	20	21100	1	0	7	20	20902	1	99	16.56	18.10
CA_7C	QPSK	7	20	21350	1	0	7	20	21152	1	99	16.43	18.10

Combination	Modulation	PCC					SCC					State1/7	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	7	20	21048	1	0	19.01	20.70
CA_7C	QPSK	7	20	21100	1	99	7	20	21298	1	0	19.11	20.70
CA_7C	QPSK	7	20	21100	1	0	7	20	20902	1	99	19.13	20.70
CA_7C	QPSK	7	20	21350	1	0	7	20	21152	1	99	19.03	20.70

Combination	Modulation	PCC					SCC					State1/7	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	99	38	20	38048	1	0	21.82	23.10
CA_38C	QPSK	38	20	37901	1	99	38	20	38099	1	0	21.89	23.10
CA_38C	QPSK	38	20	38099	1	0	38	20	37901	1	99	21.91	23.10
CA_38C	QPSK	38	20	38150	1	0	38	20	37952	1	99	21.86	23.10

Combination	Modulation	PCC					SCC					State4	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	99	38	20	38048	1	0	19.16	20.60
CA_38C	QPSK	38	20	37901	1	99	38	20	38099	1	0	19.21	20.60
CA_38C	QPSK	38	20	38099	1	0	38	20	37901	1	99	19.23	20.60
CA_38C	QPSK	38	20	38150	1	0	38	20	37952	1	99	19.19	20.60



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Combination	Modulation	PCC					SCC					State10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	99	38	20	38048	1	0	17.11	18.60
CA_38C	QPSK	38	20	37901	1	99	38	20	38099	1	0	17.19	18.60
CA_38C	QPSK	38	20	38099	1	0	38	20	37901	1	99	17.21	18.60
CA_38C	QPSK	38	20	38150	1	0	38	20	37952	1	99	17.14	18.60

Combination	Modulation	PCC					SCC					State1/7	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	41	20	39948	1	0	20.73	22.40
CA_41C	QPSK	41	20	40185	1	99	41	20	40383	1	0	20.79	22.40
CA_41C	QPSK	41	20	40620	1	99	41	20	40818	1	0	20.99	22.40
CA_41C	QPSK	41	20	40620	1	0	41	20	40422	1	99	21.03	22.40
CA_41C	QPSK	41	20	41055	1	0	41	20	40857	1	99	20.79	22.40
CA_41C	QPSK	41	20	41490	1	0	41	20	41292	1	99	20.81	22.40

Combination	Modulation	PCC					SCC					State4	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	41	20	39948	1	0	18.66	19.80
CA_41C	QPSK	41	20	40185	1	99	41	20	40383	1	0	18.63	19.80
CA_41C	QPSK	41	20	40620	1	99	41	20	40818	1	0	18.73	19.80
CA_41C	QPSK	41	20	40620	1	0	41	20	40422	1	99	18.75	19.80
CA_41C	QPSK	41	20	41055	1	0	41	20	40857	1	99	18.62	19.80
CA_41C	QPSK	41	20	41490	1	0	41	20	41292	1	99	18.71	19.80

Combination	Modulation	PCC					SCC					State10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	41	20	39948	1	0	17.65	18.80
CA_41C	QPSK	41	20	40185	1	99	41	20	40383	1	0	17.63	18.80
CA_41C	QPSK	41	20	40620	1	99	41	20	40818	1	0	17.72	18.80
CA_41C	QPSK	41	20	40620	1	0	41	20	40422	1	99	17.74	18.80
CA_41C	QPSK	41	20	41055	1	0	41	20	40857	1	99	17.62	18.80
CA_41C	QPSK	41	20	41490	1	0	41	20	41292	1	99	17.69	18.80

Combination	Modulation	PCC					SCC					State1/7	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_66C	QPSK	66	20	132072	1	99	66	20	132270	1	0	21.13	22.60
CA_66C	QPSK	66	20	132322	1	99	66	20	132520	1	0	21.21	22.60
CA_66C	QPSK	66	20	132322	1	0	66	20	132124	1	99	21.23	22.60
CA_66C	QPSK	66	20	132572	1	0	66	20	132374	1	99	21.17	22.60



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Combination	Modulation	PCC					SCC					State4/10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_66C	QPSK	66	20	132072	1	99	66	20	132270	1	0	22.96	24.60
CA_66C	QPSK	66	20	132322	1	99	66	20	132520	1	0	23.17	24.60
CA_66C	QPSK	66	20	132322	1	0	66	20	132124	1	99	23.19	24.60
CA_66C	QPSK	66	20	132572	1	0	66	20	132374	1	99	22.97	24.60

Ant5:

Combination	Modulation	PCC					SCC					State1/4/7	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	7	20	21048	1	0	19.58	20.80
CA_7C	QPSK	7	20	21100	1	99	7	20	21298	1	0	19.63	20.80
CA_7C	QPSK	7	20	21100	1	0	7	20	20902	1	99	19.63	20.80
CA_7C	QPSK	7	20	21350	1	0	7	20	21152	1	99	19.59	20.80

Combination	Modulation	PCC					SCC					State10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	7	20	21048	1	0	16.08	17.30
CA_7C	QPSK	7	20	21100	1	99	7	20	21298	1	0	16.12	17.30
CA_7C	QPSK	7	20	21100	1	0	7	20	20902	1	99	16.13	17.30
CA_7C	QPSK	7	20	21350	1	0	7	20	21152	1	99	16.06	17.30

Combination	Modulation	PCC					SCC					State1/4/7	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	41	20	39948	1	0	20.21	21.80
CA_41C	QPSK	41	20	40185	1	99	41	20	40383	1	0	20.26	21.80
CA_41C	QPSK	41	20	40620	1	99	41	20	40818	1	0	20.29	21.80
CA_41C	QPSK	41	20	40620	1	0	41	20	40422	1	99	20.31	21.80
CA_41C	QPSK	41	20	41055	1	0	41	20	40857	1	99	20.28	21.80
CA_41C	QPSK	41	20	41490	1	0	41	20	41292	1	99	20.26	21.80

Combination	Modulation	PCC					SCC					State10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	41	20	39948	1	0	17.68	19.30
CA_41C	QPSK	41	20	40185	1	99	41	20	40383	1	0	17.69	19.30
CA_41C	QPSK	41	20	40620	1	99	41	20	40818	1	0	17.75	19.30
CA_41C	QPSK	41	20	40620	1	0	41	20	40422	1	99	17.79	19.30
CA_41C	QPSK	41	20	41055	1	0	41	20	40857	1	99	17.71	19.30
CA_41C	QPSK	41	20	41490	1	0	41	20	41292	1	99	17.73	19.30



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Combination	Modulation	PCC					SCC					State1/7	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_66C	QPSK	66	20	132072	1	99	66	20	132270	1	0	21.43	21.80
CA_66C	QPSK	66	20	132322	1	99	66	20	132520	1	0	21.59	21.80
CA_66C	QPSK	66	20	132322	1	0	66	20	132124	1	99	21.63	21.80
CA_66C	QPSK	66	20	132572	1	0	66	20	132374	1	99	21.41	21.80

Combination	Modulation	PCC					SCC					State4/10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_66C	QPSK	66	20	132072	1	99	66	20	132270	1	0	20.86	21.30
CA_66C	QPSK	66	20	132322	1	99	66	20	132520	1	0	21.01	21.30
CA_66C	QPSK	66	20	132322	1	0	66	20	132124	1	99	21.06	21.30
CA_66C	QPSK	66	20	132572	1	0	66	20	132374	1	99	20.89	21.30



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5. 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.	Channel		RB	Offset	Band	(MHz)	Freq.	Channel	Tx. Power (dBm)	Tx. Power (dBm)
				(MHz)							(MHz)			
CA_2A-4A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	23.72	23.85
	Band 4	4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	23.15	23.26
CA_2A-66A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 66	20M	2145	66786	23.78	23.85
	Band 66	4	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	23.37	23.42
CA_4A-5A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.17	23.26
	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 4	5M	2152.5	2375	24.06	24.29
CA_4A-7A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	23.11	23.26
	Band 7	4	20M	2535	21100	QPSK	1	0	Band 4	5M	2152.5	2375	22.55	22.78
CA_5A-7A	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	24.17	24.29
	Band 7	3	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	22.73	22.78
CA_5A-66A	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 66	20M	2145	66786	24.07	24.29
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	23.31	23.42



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6. Conducted Power of 5G NR

Ant0:

N5_15kHz State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
				/	836.5	/	
20MHz	DFT-s-OFDM QPSK	1	1	/	23.60	/	24.30
		1	53	/	23.59	/	24.30
		1	104	/	23.58	/	24.30
		50	0	/	22.62	/	23.30
		50	28	/	23.58	/	24.30
		50	56	/	22.64	/	23.30
		100	0	/	22.69	/	23.30
	DFT-s-OFDM 16QAM	1	1	/	22.57	/	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
20MHz	CP-OFDM QPSK	1	1	/	22.12	/	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
15MHz	DFT-s-OFDM QPSK	1	1	/	23.47	/	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
10MHz	DFT-s-OFDM QPSK	1	1	23.58	23.58	23.60	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	23.57	23.42	23.43	24.30

N26_15kHz State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	166300	/	
				/	831.5	/	
20MHz	DFT-s-OFDM QPSK	1	1	/	23.69	/	24.30
		1	53	/	23.51	/	24.30
		1	104	/	23.56	/	24.30
		50	0	/	22.50	/	23.30
		50	28	/	23.68	/	24.30
		50	56	/	22.56	/	23.30
		100	0	/	22.61	/	23.30
	DFT-s-OFDM 16QAM	1	1	/	22.71	/	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	166300	/	
20MHz	CP-OFDM QPSK	1	1	/	22.03	/	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164300	166300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	23.50	23.39	23.38	24.30



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163800	166300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	23.43	23.39	23.42	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163300	166300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	23.39	23.47	23.51	24.30

N71_15kHz State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	136100	/	
				/	680.5	/	
20MHz	DFT-s-OFDM QPSK	1	1	/	24.32	/	24.80
		1	53	/	24.18	/	24.80
		1	104	/	24.29	/	24.80
		50	0	/	23.20	/	23.80
		50	28	/	24.24	/	24.80
		50	56	/	23.10	/	23.80
		100	0	/	23.13	/	23.80
	DFT-s-OFDM 16QAM	1	1	/	23.15	/	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	136100	/	
20MHz	CP-OFDM QPSK	1	1	/	22.64	/	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				134100	136100	138100	
15MHz	DFT-s-OFDM QPSK	1	1	24.06	24.15	24.11	24.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133600	136100	138600	
10MHz	DFT-s-OFDM QPSK	1	1	24.02	23.96	24.00	24.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133100	136100	139100	
5MHz	DFT-s-OFDM QPSK	1	1	24.05	23.96	24.11	24.80

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N5_15kHz State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
				/	836.5	/	
20MHz	DFT-s-OFDM QPSK	1	1	/	23.53	/	24.30
		1	53	/	23.43	/	24.30
		1	104	/	23.47	/	24.30
		50	0	/	22.43	/	23.30
		50	28	/	23.52	/	24.30
		50	56	/	22.45	/	23.30
		100	0	/	22.51	/	23.30
	DFT-s-OFDM 16QAM	1	1	/	22.61	/	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
20MHz	CP-OFDM QPSK	1	1	/	22.08	/	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
15MHz	DFT-s-OFDM QPSK	1	1	/	23.34	/	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
10MHz	DFT-s-OFDM QPSK	1	1		23.40		24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	23.42	23.44	23.32	24.30

N26_15kHz State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	166300	/	
				/	831.5	/	
20MHz	DFT-s-OFDM QPSK	1	1	/	23.54	/	24.30
		1	53	/	23.51	/	24.30
		1	104	/	23.47	/	24.30
		50	0	/	22.59	/	23.30
		50	28	/	23.51	/	24.30
		50	56	/	22.51	/	23.30
		100	0	/	22.51	/	23.30
	DFT-s-OFDM 16QAM	1	1	/	22.40	/	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	166300	/	
20MHz	CP-OFDM QPSK	1	1	/	22.05	/	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164300	166300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	23.34	23.33	23.37	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163800	166300	168800	



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10MHz	DFT-s-OFDM QPSK	1	1	23.27	23.36	23.45	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163300	166300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	23.31	23.34	23.42	24.30

N71_15kHz State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	136100	/	
				/	680.5	/	
20MHz	DFT-s-OFDM QPSK	1	1	/	23.73	/	24.80
		1	53	/	23.72	/	24.80
		1	104	/	23.71	/	24.80
		50	0	/	22.72	/	23.80
		50	28	/	23.66	/	24.80
		50	56	/	22.79	/	23.80
		100	0	/	22.63	/	23.80
	DFT-s-OFDM 16QAM	1	1	/	22.71	/	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	136100	/	
20MHz	CP-OFDM QPSK	1	1	/	22.29	/	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				134100	136100	138100	
15MHz	DFT-s-OFDM QPSK	1	1	23.46	23.47	23.48	24.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133600	136100	138600	
10MHz	DFT-s-OFDM QPSK	1	1	23.47	23.63	23.49	24.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133100	136100	139100	
5MHz	DFT-s-OFDM QPSK	1	1	23.62	23.53	23.50	24.80

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N2_15kHz State1/7				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	23.05	23.17	23.02	23.80
		1	53	23.12	23.07	23.05	23.80
		1	104	22.98	23.05	23.10	23.80
		50	0	22.16	22.11	22.10	22.80
		50	28	23.10	23.14	23.09	23.80
		50	56	21.96	22.11	22.03	22.80
		100	0	22.01	21.99	22.01	22.80
	DFT-s-OFDM 16QAM	1	1	22.08	21.98	22.02	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
20MHz	CP-OFDM QPSK	1	1	21.66	21.60	21.57	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	22.82	22.99	22.89	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	22.99	22.96	22.91	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	22.97	22.82	22.87	23.80

N2_15kHz State4/10				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	23.45	23.77	23.54	24.30
		1	53	23.65	23.47	23.60	24.30
		1	104	23.52	23.64	23.63	24.30
		50	0	22.45	22.65	22.62	23.30
		50	28	23.57	23.62	23.65	24.30
		50	56	22.52	22.53	22.52	23.30
		100	0	22.57	22.53	22.60	23.30
	DFT-s-OFDM 16QAM	1	1	22.46	22.59	22.56	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
20MHz	CP-OFDM QPSK	1	1	21.99	22.09	22.08	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	23.47	23.49	23.34	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM	1	1	23.38	23.50	23.39	24.30



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	QPSK						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	23.33	23.35	23.43	24.30

N7_15kHz State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
				/	2535	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	21.25	/	22.30
	DFT-s-OFDM QPSK	1	135	/	21.19	/	22.30
	DFT-s-OFDM QPSK	1	268	/	21.21	/	22.30
		135	0	/	20.07	/	21.30
		135	67	/	21.24	/	22.30
	DFT-s-OFDM QPSK	135	135	/	20.08	/	21.30
	DFT-s-OFDM QPSK	270	0	/	20.24	/	21.30
	DFT-s-OFDM 16QAM	1	1	/	20.12	/	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
50MHz	CP-OFDM QPSK	1	1	/	19.64	/	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	21.01	/	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
35MHz	DFT-s-OFDM QPSK	1	1	/	21.08	/	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	20.97	/	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	21.10	/	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	20.93	21.08	20.92	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	21.01	20.92	20.91	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	20.91	20.93	20.97	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	21.06	21.01	21.01	22.30

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N7_15kHz State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
				/	2535	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	23.14	/	24.20
	DFT-s-OFDM QPSK	1	135	/	23.09	/	24.20
	DFT-s-OFDM QPSK	1	268	/	23.10	/	24.20
		135	0	/	22.08	/	23.20
		135	67	/	22.98	/	24.20
	DFT-s-OFDM QPSK	135	135	/	22.04	/	23.20
	DFT-s-OFDM QPSK	270	0	/	22.00	/	23.20
	DFT-s-OFDM 16QAM	1	1	/	22.06	/	23.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
50MHz	CP-OFDM QPSK	1	1	/	21.61	/	22.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	23.00	/	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
35MHz	DFT-s-OFDM QPSK	1	1	/	22.92	/	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	22.98	/	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	22.85	/	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	22.97	22.96	23.00	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	22.88	22.98	22.99	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	22.93	22.85	22.87	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	22.87	22.82	22.95	24.20

N66_15kHz State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
				/	1745	/	



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40MHz	DFT-s-OFDM QPSK	1	1	/	22.66	/	23.30
	DFT-s-OFDM QPSK	1	108	/	22.47	/	23.30
	DFT-s-OFDM QPSK	1	214	/	22.56	/	23.30
		108	0	/	21.60	/	22.30
		108	54	/	22.62	/	23.30
	DFT-s-OFDM QPSK	108	108	/	21.45	/	22.30
	DFT-s-OFDM QPSK	216	0	/	21.44	/	22.30
	DFT-s-OFDM 16QAM	1	1	/	21.59	/	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
40MHz	CP-OFDM QPSK	1	1	/	20.97	/	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	22.41	/	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	22.39	/	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	22.39	22.32	22.32	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	22.45	22.45	22.47	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	22.42	22.36	22.45	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	22.45	22.42	22.43	24.30

N66_15kHz State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
				/	1745	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	23.24	/	24.30
	DFT-s-OFDM QPSK	1	108	/	23.14	/	24.30
	DFT-s-OFDM QPSK	1	214	/	23.14	/	24.30
		108	0	/	22.23	/	23.30
		108	54	/	23.19	/	24.30
	DFT-s-OFDM QPSK	108	108	/	22.23	/	23.30
	DFT-s-OFDM QPSK	216	0	/	22.10	/	23.30
	DFT-s-OFDM 16QAM	1	1	/	22.13	/	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				/	349000	/	
40MHz	CP-OFDM QPSK	1	1	/	21.63	/	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	23.03	/	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	23.09	/	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	22.93	23.01	23.09	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	23.07	23.04	23.04	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	22.94	23.09	22.97	24.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	23.05	23.09	22.91	24.30

N38_30kHz State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
				/	2595	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	20.92	/	22.20
		1	53	/	20.84	/	22.20
		1	104	/	20.84	/	22.20
		50	0	/	19.82	/	21.20
		50	28	/	20.90	/	22.20
		50	56	/	19.77	/	21.20
		100	0	/	19.83	/	21.20
	DFT-s-OFDM 16QAM	1	1	/	19.86	/	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
40MHz	CP-OFDM QPSK	1	1	/	19.33	/	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	20.72	/	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	20.64	/	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
20MHz	DFT-s-OFDM QPSK	1	1	/	20.79	/	22.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	20.80	20.71	20.79	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	20.70	20.64	20.68	22.20

N38_30kHz State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
				/	2595	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	23.27	/	24.70
		1	53	/	23.06	/	24.70
		1	104	/	23.07	/	24.70
		50	0	/	22.08	/	23.70
		50	28	/	23.18	/	24.70
		50	56	/	22.08	/	23.70
		100	0	/	22.22	/	23.70
	DFT-s-OFDM 16QAM	1	1	/	22.17	/	23.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
40MHz	CP-OFDM QPSK	1	1	/	21.70	/	23.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	23.06	/	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	23.09	/	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
20MHz	DFT-s-OFDM QPSK	1	1	/	23.07	/	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	23.08	22.96	22.92	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	23.07	22.99	22.95	24.70



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N41 PC3_30kHz State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
				/	2592.99	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	21.50	/	22.60
	DFT-s-OFDM QPSK	1	137	/	21.42	/	22.60
	DFT-s-OFDM QPSK	1	271	/	21.34	/	22.60
		135	0	/	20.46	/	21.60
		135	69	/	21.45	/	22.60
	DFT-s-OFDM QPSK	135	138	/	20.25	/	21.60
	DFT-s-OFDM QPSK	270	0	/	20.28	/	21.60
	DFT-s-OFDM 16QAM	1	1	/	20.29	/	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
100MHz	CP-OFDM QPSK	1	1	/	19.94	/	21.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	21.16	/	22.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	21.18	/	22.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	21.19	/	22.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	21.25	21.28	21.17	22.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	21.27	21.23	21.10	22.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503202	518598	534000	
40MHz	DFT-s-OFDM QPSK	1	1	21.29	21.11	21.19	22.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502698	518598	534498	
30MHz	DFT-s-OFDM QPSK	1	1	21.22	21.22	21.24	22.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502200	518598	534996	
25MHz	DFT-s-OFDM QPSK	1	1	21.21	21.17	21.21	22.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501204	518598	535998	
20MHz	DFT-s-OFDM QPSK	1	1	21.19	21.22	21.31	22.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				500202	518598	537000	
15MHz	DFT-s-OFDM QPSK	1	1	21.24	21.27	21.10	22.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				499200	518598	538002	
10MHz	DFT-s-OFDM QPSK	1	1	21.19	21.12	21.14	22.60

N41 PC3_30kHz State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
				/	2592.99	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	23.51	/	24.70
	DFT-s-OFDM QPSK	1	137	/	23.31	/	24.70
	DFT-s-OFDM QPSK	1	271	/	23.31	/	24.70
		135	0	/	22.33	/	23.70
		135	69	/	23.42	/	24.70
	DFT-s-OFDM QPSK	135	138	/	22.36	/	23.70
	DFT-s-OFDM QPSK	270	0	/	22.35	/	23.70
	DFT-s-OFDM 16QAM	1	1	/	22.40	/	23.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
100MHz	CP-OFDM QPSK	1	1	/	21.86	/	23.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	23.22	/	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	23.24	/	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	23.18	/	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	23.15	23.20	23.26	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	23.26	23.16	23.13	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503202	518598	534000	
40MHz	DFT-s-OFDM QPSK	1	1	23.14	23.25	23.21	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502698	518598	534498	
30MHz	DFT-s-OFDM QPSK	1	1	23.24	23.30	23.26	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502200	518598	534996	



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25MHz	DFT-s-OFDM QPSK	1	1	23.14	23.25	23.16	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501204	518598	535998	
20MHz	DFT-s-OFDM QPSK	1	1	23.11	23.26	23.14	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500202	518598	537000	
15MHz	DFT-s-OFDM QPSK	1	1	23.23	23.16	23.22	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				499200	518598	538002	
10MHz	DFT-s-OFDM QPSK	1	1	23.12	23.20	23.21	24.70



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N2_15kHz State1/7				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	21.53	21.65	21.63	23.20
		1	53	21.62	21.55	21.60	23.20
		1	104	21.53	21.51	21.52	23.20
		50	0	20.62	20.48	20.57	22.20
		50	28	21.61	21.62	21.54	23.20
		50	56	20.64	20.61	20.64	22.20
		100	0	20.28	20.34	20.26	22.20
	DFT-s-OFDM 16QAM	1	1	20.59	20.63	20.64	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
20MHz	CP-OFDM QPSK	1	1	20.13	20.10	20.16	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	21.42	21.36	21.41	23.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	21.43	21.38	21.43	23.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	21.45	21.37	21.42	23.20

N2_15kHz State4/10				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	18.44	18.57	18.54	19.80
		1	53	18.37	18.38	18.48	19.80
		1	104	18.38	18.38	18.37	19.80
		50	0	17.43	17.39	17.39	18.80
		50	28	18.43	18.47	18.42	19.80
		50	56	17.53	17.37	17.35	18.80
		100	0	17.40	17.49	17.53	18.80
	DFT-s-OFDM 16QAM	1	1	17.50	17.55	17.42	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
20MHz	CP-OFDM QPSK	1	1	16.87	16.96	16.88	18.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	18.34	18.34	18.31	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM	1	1	18.28	18.31	18.38	19.80



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	QPSK						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	18.24	18.25	18.21	19.80

N7_15kHz State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
				/	2535	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	18.73	/	20.30
	DFT-s-OFDM QPSK	1	135	/	18.71	/	20.30
	DFT-s-OFDM QPSK	1	268	/	18.72	/	20.30
		135	0	/	17.63	/	19.30
		135	67	/	18.63	/	20.30
	DFT-s-OFDM QPSK	135	135	/	17.65	/	19.30
	DFT-s-OFDM QPSK	270	0	/	17.64	/	19.30
	DFT-s-OFDM 16QAM	1	1	/	17.75	/	19.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
50MHz	CP-OFDM QPSK	1	1	/	17.21	/	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	18.44	/	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
35MHz	DFT-s-OFDM QPSK	1	1	/	18.45	/	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	18.59	/	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	18.53	/	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	18.58	18.44	18.55	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	18.42	18.45	18.55	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	18.43	18.59	18.48	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	18.57	18.54	18.56	20.30

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N7_15kHz State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
				/	2535	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	16.75	/	18.20
	DFT-s-OFDM QPSK	1	135	/	16.60	/	18.20
	DFT-s-OFDM QPSK	1	268	/	16.73	/	18.20
		135	0	/	15.76	/	17.20
		135	67	/	16.60	/	18.20
	DFT-s-OFDM QPSK	135	135	/	15.73	/	17.20
	DFT-s-OFDM QPSK	270	0	/	15.70	/	17.20
	DFT-s-OFDM 16QAM	1	1	/	15.65	/	17.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
50MHz	CP-OFDM QPSK	1	1	/	15.12	/	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	16.48	/	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
35MHz	DFT-s-OFDM QPSK	1	1	/	16.42	/	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	16.55	/	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	16.44	/	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	16.55	16.50	16.42	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	16.48	16.56	16.55	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	16.47	16.51	16.44	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	16.59	16.52	16.40	18.20

N66_15kHz State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
				/	1745	/	



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40MHz	DFT-s-OFDM QPSK	1	1	/	22.68	/	23.80
	DFT-s-OFDM QPSK	1	108	/	22.66	/	23.80
	DFT-s-OFDM QPSK	1	214	/	22.64	/	23.80
		108	0	/	21.63	/	22.80
		108	54	/	22.62	/	23.80
	DFT-s-OFDM QPSK	108	108	/	21.74	/	22.80
	DFT-s-OFDM QPSK	216	0	/	21.66	/	22.80
	DFT-s-OFDM 16QAM	1	1	/	21.57	/	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
40MHz	CP-OFDM QPSK	1	1	/	21.23	/	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	22.50	/	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	22.60	/	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	22.57	22.60	22.53	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	22.48	22.57	22.42	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	22.59	22.48	22.53	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	22.44	22.44	22.43	23.80

N66_15kHz State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
				/	1745	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	22.29	/	23.30
	DFT-s-OFDM QPSK	1	108	/	22.17	/	23.30
	DFT-s-OFDM QPSK	1	214	/	22.24	/	23.30
		108	0	/	21.21	/	22.30
		108	54	/	22.20	/	23.30
	DFT-s-OFDM QPSK	108	108	/	21.08	/	22.30
	DFT-s-OFDM QPSK	216	0	/	21.09	/	22.30
	DFT-s-OFDM 16QAM	1	1	/	21.15	/	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				/	349000	/	
40MHz	CP-OFDM QPSK	1	1	/	20.55	/	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	22.08	/	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	21.91	/	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	22.03	21.96	21.94	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	21.89	21.94	21.89	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	21.92	22.02	21.99	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	21.99	22.05	21.97	23.30

N38_30kHz State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
				/	2595	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	19.72	/	21.00
		1	53	/	19.67	/	21.00
		1	104	/	19.70	/	21.00
		50	0	/	18.73	/	20.00
		50	28	/	19.66	/	21.00
		50	56	/	18.68	/	20.00
		100	0	/	18.58	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	18.60	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
40MHz	CP-OFDM QPSK	1	1	/	18.21	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	19.43	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	19.58	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
20MHz	DFT-s-OFDM QPSK	1	1	/	19.42	/	21.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	19.48	19.50	19.45	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	19.56	19.50	19.55	21.00

N38_30kHz State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
				/	2595	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	16.99	/	18.30
		1	53	/	16.96	/	18.30
		1	104	/	16.89	/	18.30
		50	0	/	15.91	/	17.30
		50	28	/	16.92	/	18.30
		50	56	/	15.85	/	17.30
		100	0	/	15.93	/	17.30
	DFT-s-OFDM 16QAM	1	1	/	15.76	/	17.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
40MHz	CP-OFDM QPSK	1	1	/	15.30	/	16.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	16.75	/	18.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	16.60	/	18.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
20MHz	DFT-s-OFDM QPSK	1	1	/	16.75	/	18.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	16.66	16.70	16.66	18.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	16.78	16.78	16.72	18.30

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N41 PC3_30kHz State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
				/	2592.99	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	19.47	/	20.50
	DFT-s-OFDM QPSK	1	137	/	19.34	/	20.50
	DFT-s-OFDM QPSK	1	271	/	19.33	/	20.50
		135	0	/	18.29	/	19.50
		135	69	/	19.45	/	20.50
	DFT-s-OFDM QPSK	135	138	/	18.37	/	19.50
	DFT-s-OFDM QPSK	270	0	/	18.46	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.31	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
100MHz	CP-OFDM QPSK	1	1	/	17.79	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	19.15	/	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	19.24	/	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	19.30	/	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	19.13	19.14	19.17	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	19.17	19.26	19.26	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503202	518598	534000	
40MHz	DFT-s-OFDM QPSK	1	1	19.21	19.16	19.13	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502698	518598	534498	
30MHz	DFT-s-OFDM QPSK	1	1	19.16	19.10	19.21	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502200	518598	534996	
25MHz	DFT-s-OFDM QPSK	1	1	19.17	19.27	19.25	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501204	518598	535998	
20MHz	DFT-s-OFDM QPSK	1	1	19.11	19.20	19.11	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				500202	518598	537000	
15MHz	DFT-s-OFDM QPSK	1	1	19.28	19.22	19.12	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				499200	518598	538002	
10MHz	DFT-s-OFDM QPSK	1	1	19.13	19.29	19.22	20.50

N41 PC3_30kHz State4/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
				/	2592.99	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	17.03	/	18.20
	DFT-s-OFDM QPSK	1	137	/	16.92	/	18.20
	DFT-s-OFDM QPSK	1	271	/	16.87	/	18.20
		135	0	/	15.93	/	17.20
		135	69	/	16.88	/	18.20
	DFT-s-OFDM QPSK	135	138	/	16.03	/	17.20
	DFT-s-OFDM QPSK	270	0	/	16.01	/	17.20
	DFT-s-OFDM 16QAM	1	1	/	15.97	/	17.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
100MHz	CP-OFDM QPSK	1	1	/	15.40	/	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	16.78	/	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	16.81	/	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	16.73	/	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	16.81	16.82	16.73	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	16.70	16.81	16.78	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503202	518598	534000	
40MHz	DFT-s-OFDM QPSK	1	1	16.76	16.83	16.73	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502698	518598	534498	
30MHz	DFT-s-OFDM QPSK	1	1	16.74	16.82	16.88	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502200	518598	534996	



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25MHz	DFT-s-OFDM QPSK	1	1	16.86	16.77	16.85	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501204	518598	535998	
20MHz	DFT-s-OFDM QPSK	1	1	16.76	16.78	16.71	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500202	518598	537000	
15MHz	DFT-s-OFDM QPSK	1	1	16.72	16.81	16.78	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				499200	518598	538002	
10MHz	DFT-s-OFDM QPSK	1	1	16.89	16.81	16.79	18.20

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N7_15kHz State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
				/	2535	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	20.92	/	21.70
	DFT-s-OFDM QPSK	1	135	/	20.62	/	21.70
	DFT-s-OFDM QPSK	1	268	/	20.85	/	21.70
		135	0	/	19.76	/	20.70
		135	67	/	20.73	/	21.70
	DFT-s-OFDM QPSK	135	135	/	19.64	/	20.70
	DFT-s-OFDM QPSK	270	0	/	19.72	/	20.70
	DFT-s-OFDM 16QAM	1	1	/	19.74	/	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
50MHz	CP-OFDM QPSK	1	1	/	19.14	/	20.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	20.57	/	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
35MHz	DFT-s-OFDM QPSK	1	1	/	20.55	/	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	20.62	/	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	20.61	/	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	20.49	20.55	20.67	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	



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15MHz	DFT-s-OFDM QPSK	1	1	20.54	20.58	20.58	21.70
Bandwidth	Modulation	RB size	RB offset	Channel 501000	Channel 507000	Channel 513000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	20.56	20.59	20.65	21.70
Bandwidth	Modulation	RB size	RB offset	Channel 500500	Channel 507000	Channel 513500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	20.54	20.60	20.60	21.70

N7_15kHz State4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
				/	2535	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	20.33	/	21.20
	DFT-s-OFDM QPSK	1	135	/	20.19	/	21.20
	DFT-s-OFDM QPSK	1	268	/	20.19	/	21.20
		135	0	/	19.23	/	20.20
		135	67	/	20.21	/	21.20
	DFT-s-OFDM QPSK	135	135	/	19.28	/	20.20
	DFT-s-OFDM QPSK	270	0	/	19.36	/	20.20
	DFT-s-OFDM 16QAM	1	1	/	19.20	/	20.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
50MHz	CP-OFDM QPSK	1	1	/	18.73	/	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	19.98	/	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
35MHz	DFT-s-OFDM QPSK	1	1	/	20.09	/	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	20.08	/	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	20.05	/	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	20.09	20.03	20.06	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	20.04	19.98	20.05	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	20.02	20.07	20.00	21.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	20.07	20.09	20.03	21.20

N7_15kHz State10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
				/	2535	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	17.83	/	18.70
	DFT-s-OFDM QPSK	1	135	/	17.68	/	18.70
	DFT-s-OFDM QPSK	1	268	/	17.69	/	18.70
		135	0	/	16.73	/	17.70
		135	67	/	17.70	/	18.70
	DFT-s-OFDM QPSK	135	135	/	16.77	/	17.70
	DFT-s-OFDM QPSK	270	0	/	16.84	/	17.70
DFT-s-OFDM 16QAM	1	1	/	16.69	/	17.70	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
50MHz	CP-OFDM QPSK	1	1	/	16.22	/	17.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	17.47	/	18.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
35MHz	DFT-s-OFDM QPSK	1	1	/	17.58	/	18.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	17.57	/	18.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	507000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	17.54	/	18.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	17.58	17.52	17.56	18.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	17.54	17.47	17.54	18.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	17.50	17.56	17.49	18.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	17.56	17.58	17.51	18.70

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N66_15kHz State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
				/	1745	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	20.97	/	21.80
	DFT-s-OFDM QPSK	1	108	/	20.75	/	21.80
	DFT-s-OFDM QPSK	1	214	/	20.67	/	21.80
		108	0	/	19.71	/	20.80
		108	54	/	20.95	/	21.80
	DFT-s-OFDM QPSK	108	108	/	19.83	/	20.80
	DFT-s-OFDM QPSK	216	0	/	20.00	/	20.80
	DFT-s-OFDM 16QAM	1	1	/	19.80	/	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
40MHz	CP-OFDM QPSK	1	1	/	19.23	/	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	20.75	/	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	349000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	20.64	/	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	20.61	20.65	20.71	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	20.70	20.51	20.83	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	20.62	20.52	20.64	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	20.60	20.54	20.68	21.80

N38_30kHz State1/4/7/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
				/	2595	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	20.87	/	21.70
		1	53	/	20.68	/	21.70
		1	104	/	20.72	/	21.70
		50	0	/	19.68	/	20.70
		50	28	/	20.81	/	21.70
		50	56	/	19.64	/	20.70
		100	0	/	19.64	/	20.70



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	DFT-s-OFDM 16QAM	1	1	/	19.76	/	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
40MHz	CP-OFDM QPSK	1	1	/	19.32	/	20.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
30MHz	DFT-s-OFDM QPSK	1	1	/	20.68	/	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	20.63	/	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	519000	/	
20MHz	DFT-s-OFDM QPSK	1	1	20.48	20.69	20.59	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	20.49	20.66	20.55	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	20.49	20.66	20.52	21.70

N41 PC3_30kHz State1/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
				/	2592.99	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	21.04	/	21.70
	DFT-s-OFDM QPSK	1	137	/	20.85	/	21.70
	DFT-s-OFDM QPSK	1	271	/	20.95	/	21.70
		135	0	/	19.83	/	20.70
		135	69	/	21.01	/	21.70
	DFT-s-OFDM QPSK	135	138	/	19.89	/	20.70
	DFT-s-OFDM QPSK	270	0	/	19.85	/	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
100MHz	CP-OFDM QPSK	1	1	/	19.47	/	20.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	20.80	/	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	20.87	/	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	20.86	/	21.70



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	20.76	20.82	20.72	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	20.75	20.90	20.72	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503202	518598	534000	
40MHz	DFT-s-OFDM QPSK	1	1	20.70	20.87	20.74	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502698	518598	534498	
30MHz	DFT-s-OFDM QPSK	1	1	20.67	20.80	20.69	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502200	518598	534996	
25MHz	DFT-s-OFDM QPSK	1	1	20.68	20.85	20.75	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501204	518598	535998	
20MHz	DFT-s-OFDM QPSK	1	1	20.73	20.90	20.71	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500202	518598	537000	
15MHz	DFT-s-OFDM QPSK	1	1	20.71	20.91	20.75	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				499200	518598	538002	
10MHz	DFT-s-OFDM QPSK	1	1	20.68	20.87	20.70	21.70

N41 PC3_30kHz State4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
				/	2592.99	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	19.22	/	19.70
	DFT-s-OFDM QPSK	1	137	/	18.89	/	19.70
	DFT-s-OFDM QPSK	1	271	/	18.84	/	19.70
		135	0	/	17.88	/	18.70
		135	69	/	19.10	/	19.70
	DFT-s-OFDM QPSK	135	138	/	17.96	/	18.70
	DFT-s-OFDM QPSK	270	0	/	17.71	/	18.70
	DFT-s-OFDM 16QAM	1	1	/	17.83	/	18.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
100MHz	CP-OFDM QPSK	1	1	/	17.44	/	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	18.82	/	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				/	518598	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	18.73	/	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	18.79	/	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	18.79	18.72	18.82	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	18.69	18.81	18.77	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503202	518598	534000	
40MHz	DFT-s-OFDM QPSK	1	1	18.76	18.81	18.84	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502698	518598	534498	
30MHz	DFT-s-OFDM QPSK	1	1	18.69	18.81	18.66	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502200	518598	534996	
25MHz	DFT-s-OFDM QPSK	1	1	18.73	18.81	18.79	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501204	518598	535998	
20MHz	DFT-s-OFDM QPSK	1	1	18.77	18.84	18.75	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500202	518598	537000	
15MHz	DFT-s-OFDM QPSK	1	1	18.76	18.85	18.70	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				499200	518598	538002	
10MHz	DFT-s-OFDM QPSK	1	1	18.76	18.84	18.73	19.70

N41 PC3_30kHz State10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
				/	2592.99	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	16.22	/	16.70
	DFT-s-OFDM QPSK	1	137	/	15.88	/	16.70
	DFT-s-OFDM QPSK	1	271	/	15.82	/	16.70
		135	0	/	14.88	/	15.70
		135	69	/	16.10	/	16.70
	DFT-s-OFDM QPSK	135	138	/	14.94	/	15.70
	DFT-s-OFDM QPSK	270	0	/	14.69	/	15.70
	DFT-s-OFDM 16QAM	1	1	/	14.83	/	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	



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100MHz	CP-OFDM QPSK	1	1	/	14.43	/	15.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	15.80	/	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	15.72	/	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	518598	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	15.79	/	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	15.79	15.71	15.80	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	15.69	15.80	15.75	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503202	518598	534000	
40MHz	DFT-s-OFDM QPSK	1	1	15.75	15.81	15.83	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502698	518598	534498	
30MHz	DFT-s-OFDM QPSK	1	1	15.69	15.81	15.66	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502200	518598	534996	
25MHz	DFT-s-OFDM QPSK	1	1	15.73	15.79	15.78	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501204	518598	535998	
20MHz	DFT-s-OFDM QPSK	1	1	15.76	15.84	15.73	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500202	518598	537000	
15MHz	DFT-s-OFDM QPSK	1	1	15.74	15.85	15.69	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				499200	518598	538002	
10MHz	DFT-s-OFDM QPSK	1	1	15.74	15.84	15.72	16.70



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7. Conducted Power of WIFI2.4G

WIFI 2.4G Ant8 Body (Head Simultaneous)					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.93	18.50
	6	2437		16.94	18.50
	11	2462		17.15	18.50
802.11g	1	2412	6	17.03	18.50
	6	2437		16.96	18.50
	11	2462		16.98	18.50
802.11n HT20	1	2412	6.5	17.02	18.50
	6	2437		17.03	18.50
	11	2462		16.95	18.50
802.11n HT40	3	2422	13.5	16.04	17.50
	6	2437		15.93	17.50
	9	2452		15.96	17.50
802.11ac VHT20	1	2412	MCS0	16.98	18.50
	6	2437		16.99	18.50
	11	2462		17.03	18.50
802.11ac VHT40	3	2422	MCS0	15.99	17.50
	6	2437		16.02	17.50
	9	2452		16.03	17.50
802.11ax HE20	1	2412	MCS0	16.98	18.50
	6	2437		16.96	18.50
	11	2462		17.01	18.50
802.11ax HE40	3	2422	MCS0	16.45	18.00
	6	2437		16.46	18.00
	9	2452		16.52	18.00

WIFI 2.4G Ant8 Head Receiver on					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.04	17.50
	6	2437		16.02	17.50
	11	2462		16.16	17.50
802.11g	1	2412	6	16.01	17.50
	6	2437		15.95	17.50
	11	2462		16.02	17.50
802.11n HT20	1	2412	6.5	15.96	17.50
	6	2437		15.98	17.50
	11	2462		15.97	17.50
802.11n HT40	3	2422	13.5	15.95	17.50
	6	2437		16.02	17.50
	9	2452		16.05	17.50
802.11ac VHT20	1	2412	MCS0	15.94	17.50
	6	2437		16.00	17.50
	11	2462		15.95	17.50
802.11ac VHT40	3	2422	MCS0	15.96	17.50
	6	2437		15.96	17.50
	9	2452		16.02	17.50



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802.11ax HE20	1	2412	MCS0	15.95	17.50
	6	2437		15.93	17.50
	11	2462		16.00	17.50
802.11ax HE40	3	2422	MCS0	15.97	17.50
	6	2437		15.98	17.50
	9	2452		16.02	17.50

WIFI 2.4G Ant8 Head/body Simultaneous					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	14.61	16.00
	6	2437		14.74	16.00
	11	2462		14.57	16.00
802.11g	1	2412	6	14.62	16.00
	6	2437		14.62	16.00
	11	2462		14.56	16.00
802.11n HT20	1	2412	6.5	14.54	16.00
	6	2437		14.65	16.00
	11	2462		14.56	16.00
802.11n HT40	3	2422	13.5	14.59	16.00
	6	2437		14.58	16.00
	9	2452		14.62	16.00
802.11ac VHT20	1	2412	MCS0	14.63	16.00
	6	2437		14.63	16.00
	11	2462		14.59	16.00
802.11ac VHT40	3	2422	MCS0	14.56	16.00
	6	2437		14.59	16.00
	9	2452		14.60	16.00
802.11ax HE20	1	2412	MCS0	14.61	16.00
	6	2437		14.62	16.00
	11	2462		14.58	16.00
802.11ax HE40	3	2422	MCS0	14.64	16.00
	6	2437		14.54	16.00
	9	2452		14.54	16.00

WIFI 2.4G Ant11 BBody (Head Simultaneous)					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	17.00	18.50
	6	2437		17.03	18.50
	11	2462		17.07	18.50
802.11g	1	2412	6	16.96	18.50
	6	2437		16.94	18.50
	11	2462		17.05	18.50
802.11n HT20	1	2412	6.5	16.96	18.50
	6	2437		17.04	18.50
	11	2462		17.02	18.50
802.11n HT40	3	2422	13.5	15.97	17.50
	6	2437		16.00	17.50
	9	2452		16.03	17.50
802.11ac VHT20	1	2412	MCS0	16.98	18.50
	6	2437		16.95	18.50



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	11	2462		16.93	18.50
802.11ac VHT40	3	2422	MCS0	16.03	17.50
	6	2437		15.94	17.50
	9	2452		15.94	17.50
802.11ax HE20	1	2412	MCS0	16.94	18.50
	6	2437		16.99	18.50
	11	2462		17.05	18.50
802.11ax HE40	3	2422	MCS0	16.48	18.00
	6	2437		16.53	18.00
	9	2452		16.53	18.00

WIFI 2.4G Ant11 Head Receiver on					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.03	17.50
	6	2437		16.11	17.50
	11	2462		16.07	17.50
802.11g	1	2412	6	15.97	17.50
	6	2437		15.94	17.50
	11	2462		15.98	17.50
802.11n HT20	1	2412	6.5	15.99	17.50
	6	2437		15.99	17.50
	11	2462		15.98	17.50
802.11n HT40	3	2422	13.5	16.02	17.50
	6	2437		16.01	17.50
	9	2452		15.99	17.50
802.11ac VHT20	1	2412	MCS0	16.02	17.50
	6	2437		16.04	17.50
	11	2462		16.00	17.50
802.11ac VHT40	3	2422	MCS0	15.97	17.50
	6	2437		16.05	17.50
	9	2452		15.96	17.50
802.11ax HE20	1	2412	MCS0	16.01	17.50
	6	2437		16.00	17.50
	11	2462		16.01	17.50
802.11ax HE40	3	2422	MCS0	16.01	17.50
	6	2437		16.04	17.50
	9	2452		16.00	17.50

WIFI 2.4G Ant11 Head/body Simultaneous					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	14.55	16.00
	6	2437		14.69	16.00
	11	2462		14.55	16.00
802.11g	1	2412	6	14.57	16.00
	6	2437		14.53	16.00
	11	2462		14.60	16.00
802.11n HT20	1	2412	6.5	14.64	16.00
	6	2437		14.60	16.00
	11	2462		14.56	16.00
802.11n	3	2422	13.5	14.55	16.00



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HT40	6	2437		14.59	16.00
	9	2452		14.56	16.00
802.11ac VHT20	1	2412	MCS0	14.60	16.00
	6	2437		14.57	16.00
	11	2462		14.57	16.00
802.11ac VHT40	3	2422	MCS0	14.59	16.00
	6	2437		14.57	16.00
	9	2452		14.58	16.00
802.11ax HE20	1	2412	MCS0	14.54	16.00
	6	2437		14.53	16.00
	11	2462		14.58	16.00
802.11ax HE40	3	2422	MCS0	14.63	16.00
	6	2437		14.64	16.00
	9	2452		14.60	16.00

WIFI 2.4G MIMO Body (Head Simultaneous)					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	19.98	21.50
	6	2437		20.00	21.50
	11	2462		20.12	21.50
802.11g	1	2412	6	20.01	21.50
	6	2437		19.96	21.50
	11	2462		20.03	21.50
802.11n HT20	1	2412	6.5	20.00	21.50
	6	2437		20.05	21.50
	11	2462		20.00	21.50
802.11n HT40	3	2422	13.5	19.02	20.50
	6	2437		18.98	20.50
	9	2452		19.01	20.50
802.11ac VHT20	1	2412	MCS0	19.99	21.50
	6	2437		19.98	21.50
	11	2462		19.99	21.50
802.11ac VHT40	3	2422	MCS0	19.02	20.50
	6	2437		18.99	20.50
	9	2452		19.00	20.50
802.11ax HE20	1	2412	MCS0	19.97	21.50
	6	2437		19.99	21.50
	11	2462		20.04	21.50
802.11ax HE40	3	2422	MCS0	19.48	21.00
	6	2437		19.51	21.00
	9	2452		19.54	21.00

WIFI 2.4G MIMO Head Receiver on					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	19.05	20.50
	6	2437		19.08	20.50
	11	2462		19.13	20.50
802.11g	1	2412	6	19.00	20.50
	6	2437		18.96	20.50
	11	2462		19.01	20.50



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802.11n HT20	1	2412	6.5	18.99	20.50
	6	2437		19.00	20.50
	11	2462		18.99	20.50
802.11n HT40	3	2422	13.5	19.00	20.50
	6	2437		19.03	20.50
	9	2452		19.03	20.50
802.11ac VHT20	1	2412	MCS0	18.99	20.50
	6	2437		19.03	20.50
	11	2462		18.99	20.50
802.11ac VHT40	3	2422	MCS0	18.98	20.50
	6	2437		19.02	20.50
	9	2452		19.00	20.50
802.11ax HE20	1	2412	MCS0	18.99	20.50
	6	2437		18.98	20.50
	11	2462		19.02	20.50
802.11ax HE40	3	2422	MCS0	19.00	20.50
	6	2437		19.02	20.50
	9	2452		19.02	20.50

WIFI 2.4G MIMO Head/body Simultaneous					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	17.59	19.00
	6	2437		17.73	19.00
	11	2462		17.57	19.00
802.11g	1	2412	6	17.61	19.00
	6	2437		17.59	19.00
	11	2462		17.59	19.00
802.11n HT20	1	2412	6.5	17.60	19.00
	6	2437		17.64	19.00
	11	2462		17.57	19.00
802.11n HT40	3	2422	13.5	17.58	19.00
	6	2437		17.60	19.00
	9	2452		17.60	19.00
802.11ac VHT20	1	2412	MCS0	17.63	19.00
	6	2437		17.61	19.00
	11	2462		17.59	19.00
802.11ac VHT40	3	2422	MCS0	17.59	19.00
	6	2437		17.59	19.00
	9	2452		17.60	19.00
802.11ax HE20	1	2412	MCS0	17.59	19.00
	6	2437		17.59	19.00
	11	2462		17.59	19.00
802.11ax HE40	3	2422	MCS0	17.65	19.00
	6	2437		17.60	19.00
	9	2452		17.58	19.00



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8. Conducted Power of WIFI5G

WIFI 5G Ant9 Body (Head Simultaneous)						
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	
5GHz U-NII-1	802.11a	36	5180	14.66	16.00	
		40	5200	14.68	16.00	
		44	5220	14.58	16.00	
		48	5240	14.64	16.00	
	802.11n HT20	36	5180	14.62	16.00	
		40	5200	14.59	16.00	
		44	5220	14.69	16.00	
		48	5240	14.63	16.00	
	802.11n HT40	38	5190	12.60	14.00	
		46	5230	12.61	14.00	
	802.11ac VHT20	36	5180	14.67	16.00	
		40	5200	14.66	16.00	
		44	5220	14.64	16.00	
		48	5240	14.65	16.00	
	802.11ac VHT40	38	5190	12.65	14.00	
		46	5230	12.64	14.00	
	802.11ac VHT80	42	5210	12.62	14.00	
	802.11ax HE20	36	5180	14.62	16.00	
		40	5200	14.61	16.00	
		44	5220	14.64	16.00	
		48	5240	14.59	16.00	
	802.11ax HE40	38	5190	12.61	14.00	
		46	5230	12.66	14.00	
	802.11ax HE80	42	5210	12.59	14.00	
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
	5GHz U-NII-2A	802.11a	52	5260	14.59	16.00
56			5280	14.68	16.00	
60			5300	14.65	16.00	
64			5320	14.64	16.00	
802.11n HT20		52	5260	14.71	16.00	
		56	5280	14.68	16.00	
		60	5300	14.65	16.00	
		64	5320	14.66	16.00	
802.11n HT40		54	5270	12.68	14.00	
		62	5310	12.61	14.00	
802.11ac VHT20		52	5260	14.58	16.00	
		56	5280	14.61	16.00	
		60	5300	14.61	16.00	
		64	5320	14.60	16.00	
802.11ac VHT40		54	5270	12.68	14.00	
		62	5310	12.61	14.00	
802.11ac VHT80		58	5290	12.61	14.00	
802.11ac VHT160		50	5250	11.15	12.50	



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	802.11ax HE20	52	5260	14.59	16.00
		56	5280	14.66	16.00
		60	5300	14.65	16.00
		64	5320	14.66	16.00
	802.11ax HE40	54	5270	12.63	14.00
		62	5310	12.61	14.00
	802.11ax HE80	58	5290	12.60	14.00
	802.11ax HE160	50	5250	11.15	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	13.10	14.50
		104	5520	13.17	14.50
		108	5540	13.18	14.50
		112	5560	13.19	14.50
		116	5580	13.15	14.50
		120	5600	13.16	14.50
		124	5620	13.19	14.50
		128	5640	13.18	14.50
		132	5660	13.14	14.50
		136	5680	13.09	14.50
		140	5700	13.16	14.50
		802.11n HT20	100	5500	13.16
	104		5520	13.08	14.50
	108		5540	13.19	14.50
	112		5560	13.17	14.50
	116		5580	13.12	14.50
	120		5600	13.16	14.50
	124		5620	13.15	14.50
	128		5640	13.13	14.50
	132		5660	13.16	14.50
	136		5680	13.18	14.50
	140		5700	13.17	14.50
	802.11n HT40		102	5510	12.68
		110	5550	12.64	14.00
		118	5590	12.64	14.00
		126	5630	12.62	14.00
		134	5670	12.59	14.00
	802.11ac VHT20	100	5500	13.13	14.50
		104	5520	13.16	14.50
		108	5540	13.15	14.50
		112	5560	13.16	14.50
		116	5580	13.17	14.50
120		5600	13.20	14.50	
124		5620	13.19	14.50	
128		5640	13.10	14.50	
132		5660	13.08	14.50	
136		5680	13.12	14.50	
140		5700	13.16	14.50	
802.11ac VHT40	102	5510	12.61	14.00	
	110	5550	12.69	14.00	



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		118	5590	12.63	14.00
		126	5630	12.64	14.00
		134	5670	12.64	14.00
	802.11ac VHT80	106	5530	11.61	13.00
		122	5610	11.66	13.00
	802.11ac VHT160	114	5570	10.64	12.00
	802.11ax HE20	100	5500	13.17	14.50
		104	5520	13.17	14.50
		108	5540	13.11	14.50
		112	5560	13.18	14.50
		116	5580	13.10	14.50
		120	5600	13.09	14.50
		124	5620	13.16	14.50
		128	5640	13.16	14.50
		132	5660	13.08	14.50
		136	5680	13.18	14.50
		140	5700	13.09	14.50
	802.11ax HE40	102	5510	12.64	14.00
		110	5550	12.61	14.00
		118	5590	12.58	14.00
		126	5630	12.64	14.00
		134	5670	12.59	14.00
	802.11ax HE80	106	5530	11.61	13.00
		122	5610	11.66	13.00
	802.11ax HE160	114	5570	10.62	12.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	12.63	14.00
		153	5765	12.68	14.00
		157	5785	12.59	14.00
		161	5805	12.67	14.00
		165	5825	12.61	14.00
	802.11n HT20	149	5745	12.65	14.00
		153	5765	12.65	14.00
		157	5785	12.58	14.00
		161	5805	12.64	14.00
		165	5825	12.60	14.00
	802.11n HT40	151	5755	12.69	14.00
		159	5795	12.75	14.00
	802.11ac VHT20	149	5745	12.68	14.00
		153	5765	12.68	14.00
		157	5785	12.66	14.00
		161	5805	12.66	14.00
		165	5825	12.70	14.00
	802.11ac VHT40	151	5755	12.58	14.00
		159	5795	12.68	14.00
	802.11ac VHT80	155	5775	12.58	14.00
	802.11ax HE20	149	5745	12.64	14.00
		153	5765	12.65	14.00
		157	5785	12.65	14.00



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		161	5805	12.58	14.00
		165	5825	12.61	14.00
	802.11ax HE40	151	5755	12.66	14.00
		159	5795	12.69	14.00
	802.11ax HE80	155	5775	12.69	14.00

WIFI 5G Ant9 Head Receiver on					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	14.12	15.50
		40	5200	14.04	15.50
		44	5220	14.11	15.50
		48	5240	14.10	15.50
	802.11n HT20	36	5180	14.13	15.50
		40	5200	14.03	15.50
		44	5220	14.09	15.50
		48	5240	14.08	15.50
	802.11n HT40	38	5190	12.59	14.00
		46	5230	12.58	14.00
	802.11ac VHT20	36	5180	14.06	15.50
		40	5200	14.07	15.50
		44	5220	14.11	15.50
		48	5240	14.05	15.50
	802.11ac VHT40	38	5190	12.54	14.00
		46	5230	12.62	14.00
	802.11ac VHT80	42	5210	12.59	14.00
	802.11ax HE20	36	5180	14.04	15.50
		40	5200	14.11	15.50
		44	5220	14.07	15.50
		48	5240	14.08	15.50
	802.11ax HE40	38	5190	12.53	14.00
		46	5230	12.60	14.00
	802.11ax HE80	42	5210	12.64	14.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	14.11	15.50
		56	5280	14.14	15.50
		60	5300	14.11	15.50
		64	5320	14.03	15.50
	802.11n HT20	52	5260	14.12	15.50
		56	5280	14.12	15.50
		60	5300	14.11	15.50
		64	5320	14.07	15.50
	802.11n HT40	54	5270	12.55	14.00
		62	5310	12.63	14.00
	802.11ac VHT20	52	5260	14.15	15.50
		56	5280	14.07	15.50
		60	5300	14.13	15.50
		64	5320	14.04	15.50
	802.11ac	54	5270	12.56	14.00



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	VHT40	62	5310	12.62	14.00
	802.11ac VHT80	58	5290	12.62	14.00
	802.11ac VHT160	50	5250	11.12	12.50
	802.11ax HE20	52	5260	14.08	15.50
		56	5280	14.06	15.50
		60	5300	14.08	15.50
		64	5320	14.07	15.50
	802.11ax HE40	54	5270	12.59	14.00
		62	5310	12.56	14.00
	802.11ax HE80	58	5290	12.63	14.00
	802.11ax HE160	50	5250	11.12	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	13.10	14.50
		104	5520	13.17	14.50
		108	5540	13.18	14.50
		112	5560	13.19	14.50
		116	5580	13.15	14.50
		120	5600	13.16	14.50
		124	5620	13.19	14.50
		128	5640	13.18	14.50
		132	5660	13.14	14.50
		136	5680	13.09	14.50
		140	5700	13.16	14.50
	802.11n HT20	100	5500	13.16	14.50
		104	5520	13.08	14.50
		108	5540	13.19	14.50
		112	5560	13.17	14.50
		116	5580	13.12	14.50
		120	5600	13.16	14.50
		124	5620	13.15	14.50
		128	5640	13.13	14.50
		132	5660	13.16	14.50
		136	5680	13.18	14.50
		140	5700	13.17	14.50
	802.11n HT40	102	5510	12.68	14.00
		110	5550	12.64	14.00
		118	5590	12.64	14.00
		126	5630	12.62	14.00
		134	5670	12.59	14.00
	802.11ac VHT20	100	5500	13.13	14.50
		104	5520	13.16	14.50
		108	5540	13.15	14.50
		112	5560	13.16	14.50
		116	5580	13.21	14.50
		120	5600	13.19	14.50
		124	5620	13.19	14.50
		128	5640	13.10	14.50
		132	5660	13.08	14.50



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		136	5680	13.12	14.50
		140	5700	13.16	14.50
	802.11ac VHT40	102	5510	12.61	14.00
		110	5550	12.69	14.00
		118	5590	12.63	14.00
		126	5630	12.64	14.00
		134	5670	12.64	14.00
	802.11ac VHT80	106	5530	11.61	13.00
		122	5610	11.66	13.00
	802.11ac VHT160	114	5570	10.64	12.00
	802.11ax HE20	100	5500	13.17	14.50
		104	5520	13.17	14.50
		108	5540	13.11	14.50
		112	5560	13.18	14.50
		116	5580	13.10	14.50
		120	5600	13.09	14.50
		124	5620	13.16	14.50
		128	5640	13.16	14.50
		132	5660	13.08	14.50
		136	5680	13.18	14.50
		140	5700	13.09	14.50
	802.11ax HE40	102	5510	12.64	14.00
		110	5550	12.61	14.00
		118	5590	12.58	14.00
		126	5630	12.64	14.00
		134	5670	12.59	14.00
	802.11ax HE80	106	5530	11.61	13.00
		122	5610	11.66	13.00
	802.11ax HE160	114	5570	10.62	12.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	12.63	14.00
		153	5765	12.68	14.00
		157	5785	12.59	14.00
		161	5805	12.67	14.00
		165	5825	12.61	14.00
	802.11n HT20	149	5745	12.65	14.00
		153	5765	12.65	14.00
		157	5785	12.58	14.00
		161	5805	12.64	14.00
		165	5825	12.60	14.00
	802.11n HT40	151	5755	12.61	14.00
		159	5795	12.58	14.00
	802.11ac VHT20	149	5745	12.68	14.00
		153	5765	12.68	14.00
		157	5785	12.66	14.00
		161	5805	12.66	14.00
		165	5825	12.70	14.00
	802.11ac VHT40	151	5755	12.58	14.00
		159	5795	12.68	14.00



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	802.11ac VHT80	155	5775	12.78	14.00
	802.11ax HE20	149	5745	12.64	14.00
		153	5765	12.65	14.00
		157	5785	12.65	14.00
		161	5805	12.58	14.00
		165	5825	12.61	14.00
	802.11ax HE40	151	5755	12.66	14.00
		159	5795	12.69	14.00
	802.11ax HE80	155	5775	12.69	14.00

WIFI 5G Ant9 Head Simultaneous					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	13.13	14.50
		40	5200	13.10	14.50
		44	5220	13.05	14.50
		48	5240	13.04	14.50
	802.11n HT20	36	5180	13.07	14.50
		40	5200	13.08	14.50
		44	5220	13.06	14.50
		48	5240	13.04	14.50
	802.11n HT40	38	5190	12.54	14.00
		46	5230	12.64	14.00
	802.11ac VHT20	36	5180	13.09	14.50
		40	5200	13.04	14.50
		44	5220	13.06	14.50
		48	5240	13.11	14.50
	802.11ac VHT40	38	5190	12.58	14.00
		46	5230	12.56	14.00
	802.11ac VHT80	42	5210	12.55	14.00
	802.11ax HE20	36	5180	13.05	14.50
		40	5200	13.09	14.50
		44	5220	13.03	14.50
		48	5240	13.08	14.50
	802.11ax HE40	38	5190	12.63	14.00
		46	5230	12.56	14.00
	802.11ax HE80	42	5210	12.59	14.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	13.05	14.50
		56	5280	13.10	14.50
		60	5300	13.05	14.50
		64	5320	13.04	14.50
	802.11n HT20	52	5260	13.12	14.50
		56	5280	13.11	14.50
		60	5300	13.04	14.50
		64	5320	13.08	14.50
	802.11n HT40	54	5270	12.54	14.00
		62	5310	12.65	14.00
	802.11ac	52	5260	13.04	14.50



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	VHT20	56	5280	13.09	14.50
		60	5300	13.08	14.50
		64	5320	13.12	14.50
	802.11ac VHT40	54	5270	12.55	14.00
		62	5310	12.53	14.00
	802.11ac VHT80	58	5290	12.62	14.00
	802.11ac VHT160	50	5250	11.07	12.50
	802.11ax HE20	52	5260	13.14	14.50
		56	5280	13.15	14.50
		60	5300	13.03	14.50
		64	5320	13.09	14.50
	802.11ax HE40	54	5270	12.60	14.00
		62	5310	12.62	14.00
	802.11ax HE80	58	5290	12.58	14.00
	802.11ax HE160	50	5250	11.10	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	13.10	14.50
		104	5520	13.17	14.50
		108	5540	13.18	14.50
		112	5560	13.19	14.50
		116	5580	13.15	14.50
		120	5600	13.16	14.50
		124	5620	13.19	14.50
		128	5640	13.18	14.50
		132	5660	13.14	14.50
		136	5680	13.09	14.50
		140	5700	13.16	14.50
	802.11n HT20	100	5500	13.16	14.50
		104	5520	13.08	14.50
		108	5540	13.19	14.50
		112	5560	13.17	14.50
		116	5580	13.12	14.50
		120	5600	13.16	14.50
		124	5620	13.15	14.50
		128	5640	13.13	14.50
		132	5660	13.16	14.50
		136	5680	13.18	14.50
		140	5700	13.17	14.50
	802.11n HT40	102	5510	12.68	14.00
		110	5550	12.64	14.00
		118	5590	12.64	14.00
		126	5630	12.62	14.00
		134	5670	12.59	14.00
	802.11ac VHT20	100	5500	13.13	14.50
		104	5520	13.16	14.50
		108	5540	13.15	14.50
		112	5560	13.16	14.50
		116	5580	13.17	14.50



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		120	5600	13.19	14.50
		124	5620	13.19	14.50
		128	5640	13.10	14.50
		132	5660	13.08	14.50
		136	5680	13.12	14.50
		140	5700	13.16	14.50
	802.11ac VHT40	102	5510	12.61	14.00
		110	5550	12.69	14.00
		118	5590	12.63	14.00
		126	5630	12.64	14.00
		134	5670	12.64	14.00
	802.11ac VHT80	106	5530	11.61	13.00
		122	5610	11.66	13.00
	802.11ac VHT160	114	5570	10.64	12.00
	802.11ax HE20	100	5500	13.17	14.50
		104	5520	13.17	14.50
		108	5540	13.11	14.50
		112	5560	13.18	14.50
		116	5580	13.10	14.50
		120	5600	13.09	14.50
		124	5620	13.16	14.50
		128	5640	13.16	14.50
		132	5660	13.08	14.50
		136	5680	13.18	14.50
		140	5700	13.09	14.50
	802.11ax HE40	102	5510	12.64	14.00
		110	5550	12.61	14.00
		118	5590	12.58	14.00
		126	5630	12.64	14.00
		134	5670	12.59	14.00
	802.11ax HE80	106	5530	11.61	13.00
		122	5610	11.66	13.00
	802.11ax HE160	114	5570	10.62	12.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	11.56	13.00
		153	5765	11.63	13.00
		157	5785	11.60	13.00
		161	5805	11.55	13.00
		165	5825	11.64	13.00
	802.11n HT20	149	5745	11.64	13.00
		153	5765	11.62	13.00
		157	5785	11.58	13.00
		161	5805	11.62	13.00
		165	5825	11.55	13.00
	802.11n HT40	151	5755	11.59	13.00
		159	5795	11.56	13.00
	802.11ac VHT20	149	5745	11.59	13.00
		153	5765	11.55	13.00
		157	5785	11.65	13.00



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		161	5805	11.61	13.00
		165	5825	11.54	13.00
	802.11ac VHT40	151	5755	11.61	13.00
		159	5795	11.57	13.00
	802.11ac VHT80	155	5775	11.57	13.00
	802.11ax HE20	149	5745	11.62	13.00
		153	5765	11.58	13.00
		157	5785	11.57	13.00
		161	5805	11.59	13.00
		165	5825	11.63	13.00
	802.11ax HE40	151	5755	11.63	13.00
		159	5795	11.63	13.00
	802.11ax HE80	155	5775	11.56	13.00

WIFI 5G Ant9 Body Simultaneous					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	12.11	13.50
		40	5200	12.07	13.50
		44	5220	12.05	13.50
		48	5240	12.08	13.50
	802.11n HT20	36	5180	12.10	13.50
		40	5200	12.14	13.50
		44	5220	12.06	13.50
		48	5240	12.10	13.50
	802.11n HT40	38	5190	12.07	13.50
		46	5230	12.15	13.50
	802.11ac VHT20	36	5180	12.14	13.50
		40	5200	12.04	13.50
		44	5220	12.08	13.50
		48	5240	12.03	13.50
	802.11ac VHT40	38	5190	12.10	13.50
		46	5230	12.08	13.50
	802.11ac VHT80	42	5210	12.09	13.50
	802.11ax HE20	36	5180	12.06	13.50
		40	5200	12.04	13.50
		44	5220	12.06	13.50
		48	5240	12.13	13.50
	802.11ax HE40	38	5190	12.09	13.50
		46	5230	12.03	13.50
	802.11ax HE80	42	5210	12.06	13.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	12.11	13.50
		56	5280	12.08	13.50
		60	5300	12.14	13.50
		64	5320	12.08	13.50
	802.11n HT20	52	5260	12.15	13.50
		56	5280	12.06	13.50
		60	5300	12.14	13.50



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	802.11n HT40	64	5320	12.12	13.50
		54	5270	12.13	13.50
		62	5310	12.05	13.50
	802.11ac VHT20	52	5260	12.08	13.50
		56	5280	12.07	13.50
		60	5300	12.09	13.50
		64	5320	12.04	13.50
	802.11ac VHT40	54	5270	12.05	13.50
		62	5310	12.07	13.50
	802.11ac VHT80	58	5290	12.14	13.50
	802.11ac VHT160	50	5250	11.06	12.50
	802.11ax HE20	52	5260	12.13	13.50
		56	5280	12.12	13.50
		60	5300	12.08	13.50
		64	5320	12.13	13.50
	802.11ax HE40	54	5270	12.08	13.50
		62	5310	12.08	13.50
	802.11ax HE80	58	5290	12.13	13.50
	802.11ax HE160	50	5250	11.14	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	13.10	14.50
		104	5520	13.17	14.50
		108	5540	13.18	14.50
		112	5560	13.19	14.50
		116	5580	13.15	14.50
		120	5600	13.16	14.50
		124	5620	13.19	14.50
		128	5640	13.18	14.50
		132	5660	13.14	14.50
		136	5680	13.09	14.50
	802.11n HT20	140	5700	13.16	14.50
		100	5500	13.16	14.50
		104	5520	13.08	14.50
		108	5540	13.19	14.50
		112	5560	13.17	14.50
		116	5580	13.12	14.50
		120	5600	13.16	14.50
		124	5620	13.15	14.50
		128	5640	13.13	14.50
		132	5660	13.16	14.50
	802.11n HT40	136	5680	13.18	14.50
		140	5700	13.17	14.50
		102	5510	12.68	14.00
		110	5550	12.64	14.00
		118	5590	12.64	14.00
	802.11ac	126	5630	12.62	14.00
		134	5670	12.59	14.00
		100	5500	13.13	14.50



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	VHT20	104	5520	13.16	14.50
		108	5540	13.15	14.50
		112	5560	13.16	14.50
		116	5580	13.17	14.50
		120	5600	13.19	14.50
		124	5620	13.19	14.50
		128	5640	13.10	14.50
		132	5660	13.08	14.50
		136	5680	13.12	14.50
		140	5700	13.16	14.50
	802.11ac VHT40	102	5510	12.61	14.00
		110	5550	12.69	14.00
		118	5590	12.63	14.00
		126	5630	12.64	14.00
		134	5670	12.64	14.00
	802.11ac VHT80	106	5530	11.61	13.00
		122	5610	11.66	13.00
	802.11ac VHT160	114	5570	10.64	12.00
	802.11ax HE20	100	5500	13.17	14.50
		104	5520	13.17	14.50
		108	5540	13.11	14.50
		112	5560	13.18	14.50
		116	5580	13.10	14.50
		120	5600	13.09	14.50
		124	5620	13.16	14.50
		128	5640	13.16	14.50
		132	5660	13.08	14.50
		136	5680	13.18	14.50
	802.11ax HE40	102	5510	12.64	14.00
		110	5550	12.61	14.00
		118	5590	12.58	14.00
		126	5630	12.64	14.00
		134	5670	12.59	14.00
	802.11ax HE80	106	5530	11.61	13.00
		122	5610	11.66	13.00
	802.11ax HE160	114	5570	10.62	12.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	12.63	14.00
		153	5765	12.68	14.00
		157	5785	12.59	14.00
		161	5805	12.67	14.00
		165	5825	12.61	14.00
	802.11n HT20	149	5745	12.65	14.00
		153	5765	12.65	14.00
		157	5785	12.58	14.00
		161	5805	12.64	14.00
		165	5825	12.60	14.00
	802.11n	151	5755	12.61	14.00



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	HT40	159	5795	12.58	14.00
	802.11ac VHT20	149	5745	12.68	14.00
		153	5765	12.68	14.00
		157	5785	12.66	14.00
		161	5805	12.66	14.00
		165	5825	12.70	14.00
	802.11ac VHT40	151	5755	12.58	14.00
		159	5795	12.68	14.00
	802.11ac VHT80	155	5775	12.76	14.00
	802.11ax HE20	149	5745	12.64	14.00
		153	5765	12.65	14.00
		157	5785	12.65	14.00
		161	5805	12.58	14.00
		165	5825	12.61	14.00
	802.11ax HE40	151	5755	12.66	14.00
		159	5795	12.69	14.00
	802.11ax HE80	155	5775	12.69	14.00

WIFI 5G Ant10 Body (Head Simultaneous)					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	14.74	16.00
		40	5200	14.69	16.00
		44	5220	14.75	16.00
		48	5240	14.73	16.00
	802.11n HT20	36	5180	14.64	16.00
		40	5200	14.66	16.00
		44	5220	14.65	16.00
		48	5240	14.75	16.00
	802.11n HT40	38	5190	12.67	14.00
		46	5230	12.67	14.00
	802.11ac VHT20	36	5180	14.66	16.00
		40	5200	14.63	16.00
		44	5220	14.70	16.00
		48	5240	14.71	16.00
	802.11ac VHT40	38	5190	12.68	14.00
		46	5230	12.65	14.00
	802.11ac VHT80	42	5210	12.65	14.00
	802.11ax HE20	36	5180	14.64	16.00
		40	5200	14.73	16.00
		44	5220	14.73	16.00
		48	5240	14.70	16.00
	802.11ax HE40	38	5190	12.74	14.00
		46	5230	12.67	14.00
	802.11ax HE80	42	5210	12.69	14.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	14.77	16.00
		56	5280	14.74	16.00
		60	5300	14.72	16.00



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	802.11n HT20	64	5320	14.71	16.00
		52	5260	14.73	16.00
		56	5280	14.70	16.00
		60	5300	14.70	16.00
		64	5320	14.67	16.00
	802.11n HT40	54	5270	12.66	14.00
		62	5310	12.74	14.00
	802.11ac VHT20	52	5260	14.74	16.00
		56	5280	14.69	16.00
		60	5300	14.67	16.00
		64	5320	14.65	16.00
	802.11ac VHT40	54	5270	12.69	14.00
		62	5310	12.75	14.00
	802.11ac VHT80	58	5290	12.73	14.00
	802.11ac VHT160	50	5250	11.23	12.50
	802.11ax HE20	52	5260	14.72	16.00
		56	5280	14.63	16.00
		60	5300	14.70	16.00
		64	5320	14.64	16.00
	802.11ax HE40	54	5270	12.67	14.00
		62	5310	12.65	14.00
	802.11ax HE80	58	5290	12.66	14.00
	802.11ax HE160	50	5250	11.24	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	13.26	14.50
		104	5520	13.18	14.50
		108	5540	13.17	14.50
		112	5560	13.19	14.50
		116	5580	13.15	14.50
		120	5600	13.20	14.50
		124	5620	13.21	14.50
		128	5640	13.21	14.50
		132	5660	13.17	14.50
		136	5680	13.17	14.50
		140	5700	13.16	14.50
	802.11n HT20	100	5500	13.18	14.50
		104	5520	13.22	14.50
		108	5540	13.13	14.50
		112	5560	13.14	14.50
		116	5580	13.21	14.50
		120	5600	13.23	14.50
		124	5620	13.23	14.50
		128	5640	13.16	14.50
		132	5660	13.15	14.50
		136	5680	13.18	14.50
		140	5700	13.13	14.50
	802.11n HT40	102	5510	12.69	14.00
		110	5550	12.70	14.00



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		118	5590	12.70	14.00
		126	5630	12.69	14.00
		134	5670	12.65	14.00
	802.11ac VHT20	100	5500	13.14	14.50
		104	5520	13.19	14.50
		108	5540	13.24	14.50
		112	5560	13.21	14.50
		116	5580	13.13	14.50
		120	5600	13.25	14.50
		124	5620	13.24	14.50
		128	5640	13.13	14.50
		132	5660	13.24	14.50
		136	5680	13.17	14.50
		140	5700	13.19	14.50
	802.11ac VHT40	102	5510	12.64	14.00
		110	5550	12.67	14.00
		118	5590	12.64	14.00
		126	5630	12.69	14.00
		134	5670	12.71	14.00
	802.11ac VHT80	106	5530	11.67	13.00
		122	5610	11.66	13.00
	802.11ac VHT160	114	5570	10.67	12.00
	802.11ax HE20	100	5500	13.20	14.50
		104	5520	13.14	14.50
		108	5540	13.23	14.50
		112	5560	13.16	14.50
		116	5580	13.24	14.50
		120	5600	13.24	14.50
		124	5620	13.16	14.50
		128	5640	13.19	14.50
		132	5660	13.15	14.50
		136	5680	13.21	14.50
		140	5700	13.25	14.50
	802.11ax HE40	102	5510	12.66	14.00
		110	5550	12.66	14.00
		118	5590	12.67	14.00
		126	5630	12.65	14.00
		134	5670	12.69	14.00
	802.11ax HE80	106	5530	11.66	13.00
		122	5610	11.73	13.00
	802.11ax HE160	114	5570	10.75	12.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	12.63	14.00
		153	5765	12.67	14.00
		157	5785	12.73	14.00
		161	5805	12.74	14.00
		165	5825	12.70	14.00
	802.11n HT20	149	5745	12.66	14.00
		153	5765	12.72	14.00



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		157	5785	12.67	14.00
		161	5805	12.65	14.00
		165	5825	12.74	14.00
	802.11n HT40	151	5755	12.71	14.00
		159	5795	12.75	14.00
	802.11ac VHT20	149	5745	12.63	14.00
		153	5765	12.72	14.00
		157	5785	12.71	14.00
		161	5805	12.70	14.00
		165	5825	12.72	14.00
	802.11ac VHT40	151	5755	12.68	14.00
		159	5795	12.74	14.00
	802.11ac VHT80	155	5775	12.66	14.00
	802.11ax HE20	149	5745	12.69	14.00
		153	5765	12.66	14.00
		157	5785	12.74	14.00
		161	5805	12.74	14.00
		165	5825	12.72	14.00
	802.11ax HE40	151	5755	12.72	14.00
		159	5795	12.71	14.00
	802.11ax HE80	155	5775	12.63	14.00

WIFI 5G Ant10 Head Receiver on					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	14.18	15.50
		40	5200	14.20	15.50
		44	5220	14.18	15.50
		48	5240	14.20	15.50
	802.11n HT20	36	5180	14.15	15.50
		40	5200	14.13	15.50
		44	5220	14.23	15.50
		48	5240	14.21	15.50
	802.11n HT40	38	5190	12.71	14.00
		46	5230	12.68	14.00
	802.11ac VHT20	36	5180	14.13	15.50
		40	5200	14.15	15.50
		44	5220	14.15	15.50
		48	5240	14.14	15.50
	802.11ac VHT40	38	5190	12.71	14.00
		46	5230	12.69	14.00
	802.11ac VHT80	42	5210	12.69	14.00
	802.11ax HE20	36	5180	14.18	15.50
		40	5200	14.10	15.50
		44	5220	14.11	15.50
		48	5240	14.21	15.50
	802.11ax HE40	38	5190	12.68	14.00
		46	5230	12.59	14.00
	802.11ax HE80	42	5210	12.61	14.00



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5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	14.21	15.50
		56	5280	14.15	15.50
		60	5300	14.18	15.50
		64	5320	14.22	15.50
	802.11n HT20	52	5260	14.18	15.50
		56	5280	14.15	15.50
		60	5300	14.11	15.50
		64	5320	14.11	15.50
	802.11n HT40	54	5270	12.72	14.00
		62	5310	12.65	14.00
	802.11ac VHT20	52	5260	14.25	15.50
		56	5280	14.09	15.50
		60	5300	14.10	15.50
		64	5320	14.23	15.50
	802.11ac VHT40	54	5270	12.61	14.00
		62	5310	12.62	14.00
	802.11ac VHT80	58	5290	12.65	14.00
	802.11ac VHT160	50	5250	11.12	12.50
	802.11ax HE20	52	5260	14.18	15.50
		56	5280	14.15	15.50
		60	5300	14.16	15.50
		64	5320	14.21	15.50
	802.11ax HE40	54	5270	12.65	14.00
		62	5310	12.65	14.00
	802.11ax HE80	58	5290	12.71	14.00
	802.11ax HE160	50	5250	11.19	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	13.26	14.50
		104	5520	13.18	14.50
		108	5540	13.17	14.50
		112	5560	13.19	14.50
		116	5580	13.15	14.50
		120	5600	13.20	14.50
		124	5620	13.21	14.50
		128	5640	13.21	14.50
		132	5660	13.17	14.50
		136	5680	13.17	14.50
		140	5700	13.16	14.50
	802.11n HT20	100	5500	13.18	14.50
		104	5520	13.22	14.50
		108	5540	13.13	14.50
		112	5560	13.14	14.50
		116	5580	13.21	14.50
		120	5600	13.23	14.50
		124	5620	13.23	14.50
		128	5640	13.16	14.50
		132	5660	13.15	14.50



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		136	5680	13.18	14.50
		140	5700	13.13	14.50
	802.11n HT40	102	5510	12.69	14.00
		110	5550	12.70	14.00
		118	5590	12.70	14.00
		126	5630	12.69	14.00
		134	5670	12.65	14.00
	802.11ac VHT20	100	5500	13.14	14.50
		104	5520	13.19	14.50
		108	5540	13.24	14.50
		112	5560	13.21	14.50
		116	5580	13.13	14.50
		120	5600	13.25	14.50
		124	5620	13.24	14.50
		128	5640	13.13	14.50
		132	5660	13.24	14.50
		136	5680	13.17	14.50
		140	5700	13.19	14.50
	802.11ac VHT40	102	5510	12.64	14.00
		110	5550	12.67	14.00
		118	5590	12.64	14.00
		126	5630	12.69	14.00
		134	5670	12.71	14.00
	802.11ac VHT80	106	5530	11.67	13.00
		122	5610	11.66	13.00
	802.11ac VHT160	114	5570	10.67	12.00
	802.11ax HE20	100	5500	13.20	14.50
		104	5520	13.14	14.50
		108	5540	13.23	14.50
		112	5560	13.16	14.50
		116	5580	13.24	14.50
		120	5600	13.24	14.50
		124	5620	13.16	14.50
		128	5640	13.19	14.50
		132	5660	13.15	14.50
		136	5680	13.21	14.50
		140	5700	13.25	14.50
	802.11ax HE40	102	5510	12.66	14.00
		110	5550	12.66	14.00
		118	5590	12.67	14.00
		126	5630	12.65	14.00
		134	5670	12.69	14.00
	802.11ax HE80	106	5530	11.66	13.00
		122	5610	11.73	13.00
	802.11ax HE160	114	5570	10.75	12.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	12.63	14.00
		153	5765	12.67	14.00
		157	5785	12.73	14.00



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		161	5805	12.75	14.00
		165	5825	12.77	14.00
	802.11n HT20	149	5745	12.66	14.00
		153	5765	12.72	14.00
		157	5785	12.67	14.00
		161	5805	12.65	14.00
		165	5825	12.74	14.00
		151	5755	12.71	14.00
	802.11n HT40	159	5795	12.73	14.00
		149	5745	12.63	14.00
	802.11ac VHT20	153	5765	12.72	14.00
		157	5785	12.71	14.00
		161	5805	12.75	14.00
		165	5825	12.72	14.00
		151	5755	12.68	14.00
	802.11ac VHT40	159	5795	12.74	14.00
		155	5775	12.66	14.00
	802.11ac VHT80	149	5745	12.69	14.00
		153	5765	12.66	14.00
		157	5785	12.74	14.00
		161	5805	12.74	14.00
		165	5825	12.72	14.00
	802.11ax HE20	151	5755	12.72	14.00
		159	5795	12.71	14.00
	802.11ax HE40	155	5775	12.63	14.00
		149	5745	12.69	14.00
	802.11ax HE20	153	5765	12.66	14.00
		157	5785	12.74	14.00
		161	5805	12.74	14.00
		165	5825	12.72	14.00
	802.11ax HE40	151	5755	12.72	14.00
		159	5795	12.71	14.00
	802.11ax HE80	155	5775	12.63	14.00
		149	5745	12.69	14.00

WIFI 5G Ant10 Head Simultaneous					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	13.20	14.50
		40	5200	13.20	14.50
		44	5220	13.20	14.50
		48	5240	13.19	14.50
	802.11n HT20	36	5180	13.24	14.50
		40	5200	13.25	14.50
		44	5220	13.18	14.50
		48	5240	13.22	14.50
	802.11n HT40	38	5190	12.73	14.00
		46	5230	12.64	14.00
	802.11ac VHT20	36	5180	13.13	14.50
		40	5200	13.09	14.50
		44	5220	13.13	14.50
		48	5240	13.15	14.50
	802.11ac VHT40	38	5190	12.68	14.00
		46	5230	12.65	14.00
	802.11ac VHT80	42	5210	12.63	14.00
	802.11ax HE20	36	5180	13.16	14.50
		40	5200	13.12	14.50
		44	5220	13.12	14.50
		48	5240	13.13	14.50



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	802.11ax HE40	38	5190	12.72	14.00
		46	5230	12.73	14.00
	802.11ax HE80	42	5210	12.63	14.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	13.24	14.50
		56	5280	13.09	14.50
		60	5300	13.14	14.50
		64	5320	13.13	14.50
	802.11n HT20	52	5260	13.21	14.50
		56	5280	13.10	14.50
		60	5300	13.24	14.50
		64	5320	13.21	14.50
	802.11n HT40	54	5270	12.64	14.00
		62	5310	12.60	14.00
	802.11ac VHT20	52	5260	13.19	14.50
		56	5280	13.20	14.50
		60	5300	13.18	14.50
		64	5320	13.18	14.50
	802.11ac VHT40	54	5270	12.74	14.00
		62	5310	12.75	14.00
	802.11ac VHT80	58	5290	12.59	14.00
	802.11ac VHT160	50	5250	11.12	12.50
	802.11ax HE20	52	5260	13.18	14.50
		56	5280	13.11	14.50
		60	5300	13.19	14.50
		64	5320	13.15	14.50
	802.11ax HE40	54	5270	12.70	14.00
		62	5310	12.65	14.00
	802.11ax HE80	58	5290	12.61	14.00
	802.11ax HE160	50	5250	11.15	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	13.25	14.50
		104	5520	13.18	14.50
		108	5540	13.17	14.50
		112	5560	13.19	14.50
		116	5580	13.15	14.50
		120	5600	13.20	14.50
		124	5620	13.21	14.50
		128	5640	13.21	14.50
		132	5660	13.17	14.50
		136	5680	13.17	14.50
		140	5700	13.16	14.50
	802.11n HT20	100	5500	13.18	14.50
		104	5520	13.22	14.50
		108	5540	13.13	14.50
		112	5560	13.14	14.50
		116	5580	13.21	14.50



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		120	5600	13.23	14.50
		124	5620	13.23	14.50
		128	5640	13.16	14.50
		132	5660	13.15	14.50
		136	5680	13.18	14.50
		140	5700	13.13	14.50
	802.11n HT40	102	5510	12.69	14.00
		110	5550	12.70	14.00
		118	5590	12.70	14.00
		126	5630	12.69	14.00
		134	5670	12.65	14.00
	802.11ac VHT20	100	5500	13.14	14.50
		104	5520	13.19	14.50
		108	5540	13.24	14.50
		112	5560	13.21	14.50
		116	5580	13.13	14.50
		120	5600	13.25	14.50
		124	5620	13.24	14.50
		128	5640	13.13	14.50
		132	5660	13.24	14.50
		136	5680	13.17	14.50
		140	5700	13.19	14.50
	802.11ac VHT40	102	5510	12.64	14.00
		110	5550	12.67	14.00
		118	5590	12.64	14.00
		126	5630	12.69	14.00
		134	5670	12.71	14.00
	802.11ac VHT80	106	5530	11.67	13.00
		122	5610	11.66	13.00
	802.11ac VHT160	114	5570	10.67	12.00
	802.11ax HE20	100	5500	13.20	14.50
		104	5520	13.14	14.50
		108	5540	13.23	14.50
		112	5560	13.16	14.50
		116	5580	13.24	14.50
		120	5600	13.24	14.50
		124	5620	13.16	14.50
		128	5640	13.19	14.50
		132	5660	13.15	14.50
		136	5680	13.21	14.50
		140	5700	13.25	14.50
	802.11ax HE40	102	5510	12.66	14.00
		110	5550	12.66	14.00
		118	5590	12.67	14.00
		126	5630	12.65	14.00
		134	5670	12.69	14.00
	802.11ax HE80	106	5530	11.66	13.00
		122	5610	11.73	13.00
	802.11ax HE160	114	5570	10.75	12.00



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5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	11.60	13.00
		153	5765	11.72	13.00
		157	5785	11.65	13.00
		161	5805	11.73	13.00
		165	5825	11.73	13.00
	802.11n HT20	149	5745	11.60	13.00
		153	5765	11.66	13.00
		157	5785	11.60	13.00
		161	5805	11.59	13.00
		165	5825	11.68	13.00
	802.11n HT40	151	5755	11.69	13.00
		159	5795	11.64	13.00
	802.11ac VHT20	149	5745	11.63	13.00
		153	5765	11.73	13.00
		157	5785	11.65	13.00
		161	5805	11.69	13.00
		165	5825	11.64	13.00
	802.11ac VHT40	151	5755	11.62	13.00
		159	5795	11.75	13.00
	802.11ac VHT80	155	5775	11.71	13.00
		155	5775	11.71	13.00
	802.11ax HE20	149	5745	11.66	13.00
		153	5765	11.64	13.00
		157	5785	11.70	13.00
		161	5805	11.68	13.00
		165	5825	11.70	13.00
	802.11ax HE40	151	5755	11.71	13.00
		159	5795	11.75	13.00
	802.11ax HE80	155	5775	11.68	13.00

WIFI 5G Ant10 Body Simultaneous					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	12.24	13.50
		40	5200	12.17	13.50
		44	5220	12.21	13.50
		48	5240	12.21	13.50
	802.11n HT20	36	5180	12.25	13.50
		40	5200	12.16	13.50
		44	5220	12.25	13.50
		48	5240	12.19	13.50
	802.11n HT40	38	5190	12.18	13.50
		46	5230	12.17	13.50
	802.11ac VHT20	36	5180	12.24	13.50
		40	5200	12.22	13.50
		44	5220	12.17	13.50
		48	5240	12.14	13.50
	802.11ac VHT40	38	5190	12.09	13.50
		46	5230	12.11	13.50
	802.11ac	42	5210	12.28	13.50



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	VHT80				
	802.11ax HE20	36	5180	12.14	13.50
		40	5200	12.14	13.50
		44	5220	12.21	13.50
		48	5240	12.24	13.50
	802.11ax HE40	38	5190	12.11	13.50
		46	5230	12.23	13.50
	802.11ax HE80	42	5210	12.18	13.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	12.18	13.50
		56	5280	12.11	13.50
		60	5300	12.24	13.50
		64	5320	12.21	13.50
	802.11n HT20	52	5260	12.11	13.50
		56	5280	12.13	13.50
		60	5300	12.14	13.50
		64	5320	12.12	13.50
	802.11n HT40	54	5270	12.24	13.50
		62	5310	12.11	13.50
	802.11ac VHT20	52	5260	12.20	13.50
		56	5280	12.12	13.50
		60	5300	12.19	13.50
		64	5320	12.15	13.50
	802.11ac VHT40	54	5270	12.21	13.50
		62	5310	12.20	13.50
	802.11ac VHT80	58	5290	12.25	13.50
	802.11ac VHT160	50	5250	11.11	12.50
	802.11ax HE20	52	5260	12.10	13.50
		56	5280	12.16	13.50
		60	5300	12.20	13.50
		64	5320	12.15	13.50
	802.11ax HE40	54	5270	12.11	13.50
		62	5310	12.12	13.50
	802.11ax HE80	58	5290	12.15	13.50
	802.11ax HE160	50	5250	11.20	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	13.25	14.50
		104	5520	13.18	14.50
		108	5540	13.17	14.50
		112	5560	13.19	14.50
		116	5580	13.15	14.50
		120	5600	13.20	14.50
		124	5620	13.21	14.50
		128	5640	13.21	14.50
		132	5660	13.17	14.50
		136	5680	13.17	14.50
		140	5700	13.16	14.50



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	802.11n HT20	100	5500	13.18	14.50
		104	5520	13.22	14.50
		108	5540	13.13	14.50
		112	5560	13.14	14.50
		116	5580	13.21	14.50
		120	5600	13.23	14.50
		124	5620	13.23	14.50
		128	5640	13.16	14.50
		132	5660	13.15	14.50
		136	5680	13.18	14.50
		140	5700	13.13	14.50
	802.11n HT40	102	5510	12.69	14.00
		110	5550	12.70	14.00
		118	5590	12.70	14.00
		126	5630	12.69	14.00
		134	5670	12.65	14.00
	802.11ac VHT20	100	5500	13.14	14.50
		104	5520	13.19	14.50
		108	5540	13.24	14.50
		112	5560	13.21	14.50
		116	5580	13.13	14.50
		120	5600	13.25	14.50
		124	5620	13.24	14.50
		128	5640	13.13	14.50
		132	5660	13.24	14.50
		136	5680	13.17	14.50
		140	5700	13.19	14.50
	802.11ac VHT40	102	5510	12.64	14.00
		110	5550	12.67	14.00
		118	5590	12.64	14.00
		126	5630	12.69	14.00
		134	5670	12.71	14.00
	802.11ac VHT80	106	5530	11.67	13.00
		122	5610	11.66	13.00
	802.11ac VHT160	114	5570	10.67	12.00
	802.11ax HE20	100	5500	13.20	14.50
		104	5520	13.14	14.50
		108	5540	13.23	14.50
		112	5560	13.16	14.50
		116	5580	13.24	14.50
		120	5600	13.24	14.50
		124	5620	13.16	14.50
		128	5640	13.19	14.50
		132	5660	13.15	14.50
		136	5680	13.21	14.50
		140	5700	13.25	14.50
	802.11ax HE40	102	5510	12.66	14.00
		110	5550	12.66	14.00
		118	5590	12.67	14.00
		126	5630	12.65	14.00



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	802.11ax HE80	134	5670	12.69	14.00
		106	5530	11.66	13.00
		122	5610	11.73	13.00
	802.11ax HE160	114	5570	10.75	12.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	12.63	14.00
		153	5765	12.67	14.00
		157	5785	12.73	14.00
		161	5805	12.75	14.00
		165	5825	12.70	14.00
	802.11n HT20	149	5745	12.66	14.00
		153	5765	12.72	14.00
		157	5785	12.67	14.00
		161	5805	12.65	14.00
		165	5825	12.74	14.00
	802.11n HT40	151	5755	12.71	14.00
		159	5795	12.73	14.00
	802.11ac VHT20	149	5745	12.63	14.00
		153	5765	12.72	14.00
		157	5785	12.71	14.00
		161	5805	12.75	14.00
		165	5825	12.72	14.00
	802.11ac VHT40	151	5755	12.68	14.00
		159	5795	12.74	14.00
	802.11ac VHT80	155	5775	12.76	14.00
		155	5775	12.76	14.00
	802.11ax HE20	149	5745	12.69	14.00
		153	5765	12.66	14.00
		157	5785	12.74	14.00
		161	5805	12.74	14.00
		165	5825	12.72	14.00
	802.11ax HE40	151	5755	12.72	14.00
		159	5795	12.71	14.00
	802.11ax HE80	155	5775	12.63	14.00

WIFI 5G MIMO Body (Head Simultaneous)					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	17.71	19.00
		40	5200	17.70	19.00
		44	5220	17.68	19.00
		48	5240	17.70	19.00
	802.11n HT20	36	5180	17.64	19.00
		40	5200	17.64	19.00
		44	5220	17.68	19.00
		48	5240	17.70	19.00
	802.11n HT40	38	5190	15.65	17.00
		46	5230	15.65	17.00
	802.11ac VHT20	36	5180	17.68	19.00
		40	5200	17.66	19.00



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		44	5220	17.68	19.00
		48	5240	17.69	19.00
	802.11ac VHT40	38	5190	15.68	17.00
		46	5230	15.66	17.00
	802.11ac VHT80	42	5210	15.65	17.00
	802.11ax HE20	36	5180	17.64	19.00
		40	5200	17.68	19.00
		44	5220	17.70	19.00
		48	5240	17.66	19.00
	802.11ax HE40	38	5190	15.69	17.00
		46	5230	15.68	17.00
	802.11ax HE80	42	5210	15.65	17.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	17.69	19.00
		56	5280	17.72	19.00
		60	5300	17.70	19.00
		64	5320	17.69	19.00
	802.11n HT20	52	5260	17.73	19.00
		56	5280	17.70	19.00
		60	5300	17.69	19.00
		64	5320	17.68	19.00
	802.11n HT40	54	5270	15.68	17.00
		62	5310	15.69	17.00
	802.11ac VHT20	52	5260	17.67	19.00
		56	5280	17.66	19.00
		60	5300	17.65	19.00
		64	5320	17.64	19.00
	802.11ac VHT40	54	5270	15.70	17.00
		62	5310	15.69	17.00
	802.11ac VHT80	58	5290	15.68	17.00
	802.11ac VHT160	50	5250	14.20	15.50
	802.11ax HE20	52	5260	17.67	19.00
		56	5280	17.66	19.00
		60	5300	17.69	19.00
		64	5320	17.66	19.00
	802.11ax HE40	54	5270	15.66	17.00
		62	5310	15.64	17.00
	802.11ax HE80	58	5290	15.64	17.00
	802.11ax HE160	50	5250	14.21	15.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	16.19	17.50
		104	5520	16.19	17.50
		108	5540	16.19	17.50
		112	5560	16.20	17.50
		116	5580	16.16	17.50
		120	5600	16.19	17.50
		124	5620	16.21	17.50



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		128	5640	16.21	17.50
		132	5660	16.17	17.50
		136	5680	16.14	17.50
		140	5700	16.17	17.50
	802.11n HT20	100	5500	16.18	17.50
		104	5520	16.16	17.50
		108	5540	16.17	17.50
		112	5560	16.17	17.50
		116	5580	16.18	17.50
		120	5600	16.21	17.50
		124	5620	16.20	17.50
		128	5640	16.16	17.50
		132	5660	16.17	17.50
		136	5680	16.19	17.50
		140	5700	16.16	17.50
	802.11n HT40	102	5510	15.70	17.00
		110	5550	15.68	17.00
		118	5590	15.68	17.00
		126	5630	15.67	17.00
		134	5670	15.63	17.00
	802.11ac VHT20	100	5500	16.15	17.50
		104	5520	16.19	17.50
		108	5540	16.21	17.50
		112	5560	16.20	17.50
		116	5580	16.16	17.50
		120	5600	16.24	17.50
		124	5620	16.23	17.50
		128	5640	16.13	17.50
		132	5660	16.17	17.50
		136	5680	16.16	17.50
	802.11ac VHT40	102	5510	15.64	17.00
		110	5550	15.69	17.00
		118	5590	15.65	17.00
		126	5630	15.68	17.00
		134	5670	15.69	17.00
	802.11ac VHT80	106	5530	14.65	16.00
		122	5610	14.67	16.00
	802.11ac VHT160	114	5570	13.67	15.00
	802.11ax HE20	100	5500	16.20	17.50
		104	5520	16.17	17.50
		108	5540	16.18	17.50
		112	5560	16.18	17.50
		116	5580	16.18	17.50
		120	5600	16.18	17.50
		124	5620	16.17	17.50
		128	5640	16.19	17.50
		132	5660	16.13	17.50
		136	5680	16.21	17.50
		140	5700	16.18	17.50



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	802.11ax HE40	102	5510	15.66	17.00
		110	5550	15.65	17.00
		118	5590	15.64	17.00
		126	5630	15.66	17.00
		134	5670	15.65	17.00
	802.11ax HE80	106	5530	14.65	16.00
		122	5610	14.71	16.00
	802.11ax HE160	114	5570	13.70	15.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	15.64	17.00
		153	5765	15.69	17.00
		157	5785	15.67	17.00
		161	5805	15.72	17.00
		165	5825	15.67	17.00
	802.11n HT20	149	5745	15.67	17.00
		153	5765	15.70	17.00
		157	5785	15.64	17.00
		161	5805	15.66	17.00
		165	5825	15.68	17.00
	802.11n HT40	151	5755	15.71	17.00
		159	5795	15.76	17.00
	802.11ac VHT20	149	5745	15.67	17.00
		153	5765	15.71	17.00
		157	5785	15.70	17.00
		161	5805	15.69	17.00
		165	5825	15.72	17.00
	802.11ac VHT40	151	5755	15.64	17.00
		159	5795	15.72	17.00
	802.11ac VHT80	155	5775	15.63	17.00
	802.11ax HE20	149	5745	15.68	17.00
		153	5765	15.67	17.00
		157	5785	15.71	17.00
		161	5805	15.67	17.00
		165	5825	15.68	17.00
	802.11ax HE40	151	5755	15.70	17.00
		159	5795	15.71	17.00
	802.11ax HE80	155	5775	15.67	17.00

WIFI 5G MIMO Head Receiver on					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	17.16	18.50
		40	5200	17.13	18.50
		44	5220	17.16	18.50
		48	5240	17.16	18.50
	802.11n HT20	36	5180	17.15	18.50
		40	5200	17.09	18.50
		44	5220	17.17	18.50
		48	5240	17.16	18.50



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	802.11n HT40	38	5190	15.66	17.00
		46	5230	15.64	17.00
	802.11ac VHT20	36	5180	17.11	18.50
		40	5200	17.12	18.50
		44	5220	17.14	18.50
		48	5240	17.11	18.50
	802.11ac VHT40	38	5190	15.64	17.00
		46	5230	15.67	17.00
	802.11ac VHT80	42	5210	15.65	17.00
	802.11ax HE20	36	5180	17.12	18.50
		40	5200	17.12	18.50
		44	5220	17.10	18.50
		48	5240	17.16	18.50
	802.11ax HE40	38	5190	15.62	17.00
		46	5230	15.61	17.00
	802.11ax HE80	42	5210	15.64	17.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	17.17	18.50
		56	5280	17.16	18.50
		60	5300	17.16	18.50
		64	5320	17.14	18.50
	802.11n HT20	52	5260	17.16	18.50
		56	5280	17.15	18.50
		60	5300	17.12	18.50
		64	5320	17.10	18.50
	802.11n HT40	54	5270	15.65	17.00
		62	5310	15.65	17.00
	802.11ac VHT20	52	5260	17.21	18.50
		56	5280	17.09	18.50
		60	5300	17.13	18.50
		64	5320	17.15	18.50
	802.11ac VHT40	54	5270	15.60	17.00
		62	5310	15.63	17.00
	802.11ac VHT80	58	5290	15.65	17.00
	802.11ac VHT160	50	5250	14.13	15.50
	802.11ax HE20	52	5260	17.14	18.50
		56	5280	17.12	18.50
		60	5300	17.13	18.50
		64	5320	17.15	18.50
	802.11ax HE40	54	5270	15.63	17.00
		62	5310	15.62	17.00
	802.11ax HE80	58	5290	15.68	17.00
	802.11ax HE160	50	5250	14.17	15.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	16.19	17.50
		104	5520	16.19	17.50
		108	5540	16.19	17.50



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		112	5560	16.20	17.50
		116	5580	16.16	17.50
		120	5600	16.19	17.50
		124	5620	16.21	17.50
		128	5640	16.21	17.50
		132	5660	16.17	17.50
		136	5680	16.14	17.50
		140	5700	16.17	17.50
	802.11n HT20	100	5500	16.18	17.50
		104	5520	16.16	17.50
		108	5540	16.17	17.50
		112	5560	16.17	17.50
		116	5580	16.18	17.50
		120	5600	16.21	17.50
		124	5620	16.20	17.50
		128	5640	16.16	17.50
		132	5660	16.17	17.50
		136	5680	16.19	17.50
		140	5700	16.16	17.50
	802.11n HT40	102	5510	15.70	17.00
		110	5550	15.68	17.00
		118	5590	15.68	17.00
		126	5630	15.67	17.00
		134	5670	15.63	17.00
	802.11ac VHT20	100	5500	16.15	17.50
		104	5520	16.19	17.50
		108	5540	16.21	17.50
		112	5560	16.20	17.50
		116	5580	16.18	17.50
		120	5600	16.23	17.50
		124	5620	16.23	17.50
		128	5640	16.13	17.50
		132	5660	16.17	17.50
		136	5680	16.16	17.50
		140	5700	16.19	17.50
	802.11ac VHT40	102	5510	15.64	17.00
		110	5550	15.69	17.00
		118	5590	15.65	17.00
		126	5630	15.68	17.00
		134	5670	15.69	17.00
	802.11ac VHT80	106	5530	14.65	16.00
		122	5610	14.67	16.00
	802.11ac VHT160	114	5570	13.67	15.00
	802.11ax HE20	100	5500	16.20	17.50
		104	5520	16.17	17.50
		108	5540	16.18	17.50
		112	5560	16.18	17.50
		116	5580	16.18	17.50
		120	5600	16.18	17.50
		124	5620	16.17	17.50



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		128	5640	16.19	17.50
		132	5660	16.13	17.50
		136	5680	16.21	17.50
		140	5700	16.18	17.50
	802.11ax HE40	102	5510	15.66	17.00
		110	5550	15.65	17.00
		118	5590	15.64	17.00
		126	5630	15.66	17.00
		134	5670	15.65	17.00
	802.11ax HE80	106	5530	14.65	16.00
		122	5610	14.71	16.00
	802.11ax HE160	114	5570	13.70	15.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	15.64	17.00
		153	5765	15.69	17.00
		157	5785	15.67	17.00
		161	5805	15.72	17.00
		165	5825	15.70	17.00
	802.11n HT20	149	5745	15.67	17.00
		153	5765	15.70	17.00
		157	5785	15.64	17.00
		161	5805	15.66	17.00
		165	5825	15.68	17.00
	802.11n HT40	151	5755	15.67	17.00
		159	5795	15.67	17.00
	802.11ac VHT20	149	5745	15.67	17.00
		153	5765	15.71	17.00
		157	5785	15.70	17.00
		161	5805	15.72	17.00
		165	5825	15.72	17.00
	802.11ac VHT40	151	5755	15.64	17.00
		159	5795	15.72	17.00
	802.11ac VHT80	155	5775	15.73	17.00
	802.11ax HE20	149	5745	15.68	17.00
		153	5765	15.67	17.00
		157	5785	15.71	17.00
		161	5805	15.67	17.00
		165	5825	15.68	17.00
	802.11ax HE40	151	5755	15.70	17.00
		159	5795	15.71	17.00
	802.11ax HE80	155	5775	15.67	17.00

WIFI 5G MIMO Head Simultaneous					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	16.18	17.50
		40	5200	16.16	17.50
		44	5220	16.14	17.50
		48	5240	16.13	17.50



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	802.11n HT20	36	5180	16.17	17.50
		40	5200	16.18	17.50
		44	5220	16.13	17.50
		48	5240	16.14	17.50
	802.11n HT40	38	5190	15.65	17.00
		46	5230	15.65	17.00
	802.11ac VHT20	36	5180	16.12	17.50
		40	5200	16.08	17.50
		44	5220	16.11	17.50
		48	5240	16.14	17.50
	802.11ac VHT40	38	5190	15.64	17.00
		46	5230	15.62	17.00
	802.11ac VHT80	42	5210	15.60	17.00
	802.11ax HE20	36	5180	16.12	17.50
		40	5200	16.12	17.50
		44	5220	16.09	17.50
		48	5240	16.12	17.50
	802.11ax HE40	38	5190	15.69	17.00
		46	5230	15.66	17.00
	802.11ax HE80	42	5210	15.62	17.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	16.16	17.50
		56	5280	16.11	17.50
		60	5300	16.11	17.50
		64	5320	16.10	17.50
	802.11n HT20	52	5260	16.18	17.50
		56	5280	16.12	17.50
		60	5300	16.15	17.50
		64	5320	16.16	17.50
	802.11n HT40	54	5270	15.60	17.00
		62	5310	15.64	17.00
	802.11ac VHT20	52	5260	16.13	17.50
		56	5280	16.16	17.50
		60	5300	16.14	17.50
		64	5320	16.16	17.50
	802.11ac VHT40	54	5270	15.66	17.00
		62	5310	15.65	17.00
	802.11ac VHT80	58	5290	15.62	17.00
	802.11ac VHT160	50	5250	14.11	15.50
	802.11ax HE20	52	5260	16.17	17.50
		56	5280	16.14	17.50
		60	5300	16.12	17.50
		64	5320	16.13	17.50
	802.11ax HE40	54	5270	15.66	17.00
		62	5310	15.65	17.00
	802.11ax HE80	58	5290	15.61	17.00
	802.11ax HE160	50	5250	14.14	15.50



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5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	16.19	17.50
		104	5520	16.19	17.50
		108	5540	16.19	17.50
		112	5560	16.20	17.50
		116	5580	16.16	17.50
		120	5600	16.19	17.50
		124	5620	16.21	17.50
		128	5640	16.21	17.50
		132	5660	16.17	17.50
		136	5680	16.14	17.50
		140	5700	16.17	17.50
	802.11n HT20	100	5500	16.18	17.50
		104	5520	16.16	17.50
		108	5540	16.17	17.50
		112	5560	16.17	17.50
		116	5580	16.18	17.50
		120	5600	16.21	17.50
		124	5620	16.20	17.50
		128	5640	16.16	17.50
		132	5660	16.17	17.50
		136	5680	16.19	17.50
		140	5700	16.16	17.50
	802.11n HT40	102	5510	15.70	17.00
		110	5550	15.68	17.00
		118	5590	15.68	17.00
		126	5630	15.67	17.00
		134	5670	15.63	17.00
	802.11ac VHT20	100	5500	16.15	17.50
		104	5520	16.19	17.50
		108	5540	16.21	17.50
		112	5560	16.20	17.50
		116	5580	16.16	17.50
		120	5600	16.23	17.50
		124	5620	16.23	17.50
		128	5640	16.13	17.50
		132	5660	16.17	17.50
		136	5680	16.16	17.50
		140	5700	16.19	17.50
	802.11ac VHT40	102	5510	15.64	17.00
		110	5550	15.69	17.00
		118	5590	15.65	17.00
		126	5630	15.68	17.00
		134	5670	15.69	17.00
	802.11ac VHT80	106	5530	14.65	16.00
		122	5610	14.67	16.00
	802.11ac VHT160	114	5570	13.67	15.00
	802.11ax HE20	100	5500	16.20	17.50
		104	5520	16.17	17.50



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		108	5540	16.18	17.50
		112	5560	16.18	17.50
		116	5580	16.18	17.50
		120	5600	16.18	17.50
		124	5620	16.17	17.50
		128	5640	16.19	17.50
		132	5660	16.13	17.50
		136	5680	16.21	17.50
		140	5700	16.18	17.50
	802.11ax HE40	102	5510	15.66	17.00
		110	5550	15.65	17.00
		118	5590	15.64	17.00
		126	5630	15.66	17.00
		134	5670	15.65	17.00
	802.11ax HE80	106	5530	14.65	16.00
		122	5610	14.71	16.00
	802.11ax HE160	114	5570	13.70	15.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	14.59	16.00
		153	5765	14.69	16.00
		157	5785	14.64	16.00
		161	5805	14.65	16.00
		165	5825	14.70	16.00
	802.11n HT20	149	5745	14.63	16.00
		153	5765	14.65	16.00
		157	5785	14.60	16.00
		161	5805	14.62	16.00
		165	5825	14.63	16.00
	802.11n HT40	151	5755	14.65	16.00
		159	5795	14.61	16.00
	802.11ac VHT20	149	5745	14.62	16.00
		153	5765	14.65	16.00
		157	5785	14.66	16.00
		161	5805	14.66	16.00
		165	5825	14.60	16.00
	802.11ac VHT40	151	5755	14.63	16.00
		159	5795	14.67	16.00
	802.11ac VHT80	155	5775	14.65	16.00
	802.11ax HE20	149	5745	14.65	16.00
		153	5765	14.62	16.00
		157	5785	14.65	16.00
		161	5805	14.65	16.00
		165	5825	14.68	16.00
	802.11ax HE40	151	5755	14.68	16.00
		159	5795	14.70	16.00
	802.11ax HE80	155	5775	14.63	16.00



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WIFI 5G MIMO Body Simultaneous					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	15.19	16.50
		40	5200	15.13	16.50
		44	5220	15.14	16.50
		48	5240	15.16	16.50
	802.11n HT20	36	5180	15.19	16.50
		40	5200	15.16	16.50
		44	5220	15.17	16.50
		48	5240	15.16	16.50
	802.11n HT40	38	5190	15.14	16.50
		46	5230	15.17	16.50
	802.11ac VHT20	36	5180	15.20	16.50
		40	5200	15.14	16.50
		44	5220	15.14	16.50
		48	5240	15.10	16.50
	802.11ac VHT40	38	5190	15.11	16.50
		46	5230	15.11	16.50
	802.11ac VHT80	42	5210	15.20	16.50
	802.11ax HE20	36	5180	15.11	16.50
		40	5200	15.10	16.50
		44	5220	15.15	16.50
		48	5240	15.20	16.50
	802.11ax HE40	38	5190	15.11	16.50
		46	5230	15.14	16.50
	802.11ax HE80	42	5210	15.13	16.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	15.16	16.50
		56	5280	15.11	16.50
		60	5300	15.20	16.50
		64	5320	15.16	16.50
	802.11n HT20	52	5260	15.14	16.50
		56	5280	15.11	16.50
		60	5300	15.15	16.50
		64	5320	15.13	16.50
	802.11n HT40	54	5270	15.20	16.50
		62	5310	15.09	16.50
	802.11ac VHT20	52	5260	15.15	16.50
		56	5280	15.11	16.50
		60	5300	15.15	16.50
		64	5320	15.11	16.50
	802.11ac VHT40	54	5270	15.14	16.50
		62	5310	15.15	16.50
	802.11ac VHT80	58	5290	15.21	16.50
	802.11ac VHT160	50	5250	14.10	15.50
	802.11ax HE20	52	5260	15.13	16.50
		56	5280	15.15	16.50



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		60	5300	15.15	16.50
		64	5320	15.15	16.50
	802.11ax HE40	54	5270	15.11	16.50
		62	5310	15.11	16.50
	802.11ax HE80	58	5290	15.15	16.50
	802.11ax HE160	50	5250	14.18	15.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	16.19	17.50
		104	5520	16.19	17.50
		108	5540	16.19	17.50
		112	5560	16.20	17.50
		116	5580	16.16	17.50
		120	5600	16.19	17.50
		124	5620	16.21	17.50
		128	5640	16.21	17.50
		132	5660	16.17	17.50
		136	5680	16.14	17.50
		140	5700	16.17	17.50
	802.11n HT20	100	5500	16.18	17.50
		104	5520	16.16	17.50
		108	5540	16.17	17.50
		112	5560	16.17	17.50
		116	5580	16.18	17.50
		120	5600	16.21	17.50
		124	5620	16.20	17.50
		128	5640	16.16	17.50
		132	5660	16.17	17.50
		136	5680	16.19	17.50
		140	5700	16.16	17.50
	802.11n HT40	102	5510	15.70	17.00
		110	5550	15.68	17.00
		118	5590	15.68	17.00
		126	5630	15.67	17.00
		134	5670	15.63	17.00
	802.11ac VHT20	100	5500	16.15	17.50
		104	5520	16.19	17.50
		108	5540	16.21	17.50
		112	5560	16.20	17.50
		116	5580	16.16	17.50
		120	5600	16.23	17.50
		124	5620	16.23	17.50
		128	5640	16.13	17.50
		132	5660	16.17	17.50
		136	5680	16.16	17.50
		140	5700	16.19	17.50
	802.11ac VHT40	102	5510	15.64	17.00
		110	5550	15.69	17.00
		118	5590	15.65	17.00
		126	5630	15.68	17.00



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	802.11ac VHT80	134	5670	15.69	17.00
		106	5530	14.65	16.00
		122	5610	14.67	16.00
	802.11ac VHT160	114	5570	13.67	15.00
	802.11ax HE20	100	5500	16.20	17.50
		104	5520	16.17	17.50
		108	5540	16.18	17.50
		112	5560	16.18	17.50
		116	5580	16.18	17.50
		120	5600	16.18	17.50
		124	5620	16.17	17.50
		128	5640	16.19	17.50
		132	5660	16.13	17.50
		136	5680	16.21	17.50
		140	5700	16.18	17.50
	802.11ax HE40	102	5510	15.66	17.00
		110	5550	15.65	17.00
		118	5590	15.64	17.00
		126	5630	15.66	17.00
		134	5670	15.65	17.00
	802.11ax HE80	106	5530	14.65	16.00
		122	5610	14.71	16.00
	802.11ax HE160	114	5570	13.70	15.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	15.64	17.00
		153	5765	15.69	17.00
		157	5785	15.67	17.00
		161	5805	15.72	17.00
		165	5825	15.67	17.00
	802.11n HT20	149	5745	15.67	17.00
		153	5765	15.70	17.00
		157	5785	15.64	17.00
		161	5805	15.66	17.00
		165	5825	15.68	17.00
	802.11n HT40	151	5755	15.67	17.00
		159	5795	15.67	17.00
	802.11ac VHT20	149	5745	15.67	17.00
		153	5765	15.71	17.00
		157	5785	15.70	17.00
		161	5805	15.72	17.00
		165	5825	15.72	17.00
	802.11ac VHT40	151	5755	15.64	17.00
		159	5795	15.72	17.00
	802.11ac VHT80	155	5775	15.77	17.00
	802.11ax HE20	149	5745	15.68	17.00
		153	5765	15.67	17.00
		157	5785	15.71	17.00
		161	5805	15.67	17.00
		165	5825	15.68	17.00



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	802.11ax HE40	151	5755	15.70	17.00
		159	5795	15.71	17.00
	802.11ax HE80	155	5775	15.67	17.00



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9. Conducted Power of Bluetooth

BT Ant8		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	15.00	15.08	14.62	16.00
	$\pi/4$ DQPSK	11.86	11.78	11.68	13.00
	8DPSK	11.76	11.90	11.75	13.00
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	2.83	4.06	3.89	6.00
Band	Channel	1	19	38	Tune up
BLE 2M	GFSK	3.25	4.06	3.84	6.00

BT Ant11		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	14.65	14.77	14.71	16.00
	$\pi/4$ DQPSK	11.42	11.26	11.39	13.00
	8DPSK	11.36	11.48	11.61	13.00
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	4.85	5.39	5.43	6.00
Band	Channel	1	19	38	Tune up
BLE 2M	GFSK	5.34	5.33	5.43	6.00

- End of the Appendix -