

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 WIFI
5	Conducted Power of Bluetooth

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1 Conducted Power of GSM

Full:

GSM 850										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GPRS (GMSK)	1 TX Slot	32.75	32.85	32.72	33.50	-9.19	23.56	23.66	23.53	24.31
	2 TX Slots	29.49	29.55	29.52	31.00	-6.18	23.31	23.37	23.34	24.82
	3 TX Slots	27.56	27.51	27.56	29.00	-4.42	23.14	23.09	23.14	24.58
	4 TX Slots	26.06	26.19	26.09	27.00	-3.17	22.89	23.02	22.92	23.83
EGPRS (GMSK)	1 TX Slot	32.59	32.71	32.66	33.50	-9.19	23.40	23.52	23.47	24.31
	2 TX Slots	29.44	29.45	29.42	31.00	-6.18	23.26	23.27	23.24	24.82
	3 TX Slots	27.40	27.45	27.36	29.00	-4.42	22.98	23.03	22.94	24.58
	4 TX Slots	25.91	26.01	25.90	27.00	-3.17	22.74	22.84	22.73	23.83
EGPRS (8PSK)	1 TX Slot	25.66	25.79	25.70	26.50	-9.19	16.47	16.60	16.51	17.31
	2 TX Slots	22.40	22.46	22.35	24.00	-6.18	16.22	16.28	16.17	17.82
	3 TX Slots	20.38	20.51	20.38	22.00	-4.42	15.96	16.09	15.96	17.58
	4 TX Slots	18.92	18.94	18.83	20.50	-3.17	15.75	15.77	15.66	17.33

GSM 1900										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GPRS (GMSK)	1 TX Slot	30.36	30.41	30.20	31.00	-9.19	21.17	21.22	21.01	21.81
	2 TX Slots	27.06	27.15	27.14	28.00	-6.18	20.88	20.97	20.96	21.82
	3 TX Slots	25.21	25.16	25.18	26.00	-4.42	20.79	20.74	20.76	21.58
	4 TX Slots	23.55	23.69	23.61	24.00	-3.17	20.38	20.52	20.44	20.83
EGPRS (GMSK)	1 TX Slot	30.21	30.26	30.14	31.00	-9.19	21.02	21.07	20.95	21.81
	2 TX Slots	26.99	27.03	26.99	28.00	-6.18	20.81	20.85	20.81	21.82
	3 TX Slots	25.06	25.10	25.05	26.00	-4.42	20.64	20.68	20.63	21.58
	4 TX Slots	23.49	23.53	23.42	24.00	-3.17	20.32	20.36	20.25	20.83
EGPRS (8PSK)	1 TX Slot	24.73	24.81	24.69	26.00	-9.19	15.54	15.62	15.50	16.81
	2 TX Slots	22.04	22.15	22.12	24.00	-6.18	15.86	15.97	15.94	17.82
	3 TX Slots	20.14	20.14	20.03	22.00	-4.42	15.72	15.72	15.61	17.58
	4 TX Slots	19.25	19.27	19.14	20.00	-3.17	16.08	16.10	15.97	16.83



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Sensor on:

GSM 850 Sensor on										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GPRS (GMSK)	1 TX Slot	30.77	30.91	30.80	31.50	-9.19	21.58	21.72	21.61	22.31
	2 TX Slots	27.53	27.57	27.48	29.00	-6.18	21.35	21.39	21.30	22.82
	3 TX Slots	25.55	25.58	25.56	27.00	-4.42	21.13	21.16	21.14	22.58
	4 TX Slots	24.14	24.22	24.12	25.00	-3.17	20.97	21.05	20.95	21.83
EGPRS (GMSK)	1 TX Slot	30.56	30.80	30.70	31.50	-9.19	21.37	21.61	21.51	22.31
	2 TX Slots	27.45	27.42	27.42	29.00	-6.18	21.27	21.24	21.24	22.82
	3 TX Slots	25.48	25.47	25.40	27.00	-4.42	21.06	21.05	20.98	22.58
	4 TX Slots	23.89	24.00	23.89	25.00	-3.17	20.72	20.83	20.72	21.83
EGPRS (8PSK)	1 TX Slot	23.67	23.84	23.65	24.50	-9.19	14.48	14.65	14.46	15.31
	2 TX Slots	20.42	20.52	20.37	22.00	-6.18	14.24	14.34	14.19	15.82
	3 TX Slots	18.40	18.57	18.42	20.00	-4.42	13.98	14.15	14.00	15.58
	4 TX Slots	16.95	17.00	16.82	18.50	-3.17	13.78	13.83	13.65	15.33

GSM 1900 Sensor on										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GPRS (GMSK)	1 TX Slot	19.14	19.33	19.19	20.00	-9.19	9.95	10.14	10.00	10.81
	2 TX Slots	18.86	19.01	18.87	20.00	-6.18	12.68	12.83	12.69	13.82
	3 TX Slots	18.32	18.46	18.35	19.00	-4.42	13.90	14.04	13.93	14.58
	4 TX Slots	17.81	18.01	17.90	19.00	-3.17	14.64	14.84	14.73	15.83
EGPRS (GMSK)	1 TX Slot	19.06	19.18	18.99	20.00	-9.19	9.87	9.99	9.80	10.81
	2 TX Slots	18.79	18.97	18.85	20.00	-6.18	12.61	12.79	12.67	13.82
	3 TX Slots	18.24	18.35	18.15	19.00	-4.42	13.82	13.93	13.73	14.58
	4 TX Slots	17.80	17.90	17.66	19.00	-3.17	14.63	14.73	14.49	15.83
EGPRS (8PSK)	1 TX Slot	17.75	17.91	17.78	19.00	-9.19	8.56	8.72	8.59	9.81
	2 TX Slots	17.22	17.45	17.25	19.00	-6.18	11.04	11.27	11.07	12.82
	3 TX Slots	16.89	17.01	16.82	18.00	-4.42	12.47	12.59	12.40	13.58
	4 TX Slots	16.38	16.53	16.41	18.00	-3.17	13.21	13.36	13.24	14.83



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GSM 850 Sensor on For Simultaneous										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GPRS (GMSK)	1 TX Slot	29.76	29.87	29.75	30.50	-9.19	20.57	20.68	20.56	21.31
	2 TX Slots	26.54	26.62	26.46	28.00	-6.18	20.36	20.44	20.28	21.82
	3 TX Slots	24.55	24.63	24.54	26.00	-4.42	20.13	20.21	20.12	21.58
	4 TX Slots	23.10	23.29	23.19	24.00	-3.17	19.93	20.12	20.02	20.83
EGPRS (GMSK)	1 TX Slot	29.58	29.85	29.77	30.50	-9.19	20.39	20.66	20.58	21.31
	2 TX Slots	26.55	26.51	26.41	28.00	-6.18	20.37	20.33	20.23	21.82
	3 TX Slots	24.55	24.52	24.43	26.00	-4.42	20.13	20.10	20.01	21.58
	4 TX Slots	22.94	23.05	22.95	24.00	-3.17	19.77	19.88	19.78	20.83
EGPRS (8PSK)	1 TX Slot	22.69	22.86	22.70	23.50	-9.19	13.50	13.67	13.51	14.31
	2 TX Slots	19.45	19.50	19.47	21.00	-6.18	13.27	13.32	13.29	14.82
	3 TX Slots	17.40	17.65	17.41	19.00	-4.42	12.98	13.23	12.99	14.58
	4 TX Slots	15.97	16.08	15.89	17.50	-3.17	12.80	12.91	12.72	14.33

GSM 1900 Sensor on For Simultaneous										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GPRS (GMSK)	1 TX Slot	18.13	18.39	18.27	19.00	-9.19	8.94	9.20	9.08	9.81
	2 TX Slots	17.85	18.04	17.95	19.00	-6.18	11.67	11.86	11.77	12.82
	3 TX Slots	17.27	17.53	17.35	18.00	-4.42	12.85	13.11	12.93	13.58
	4 TX Slots	16.86	16.99	16.88	18.00	-3.17	13.69	13.82	13.71	14.83
EGPRS (GMSK)	1 TX Slot	18.09	18.17	18.04	19.00	-9.19	8.90	8.98	8.85	9.81
	2 TX Slots	17.75	18.07	17.82	19.00	-6.18	11.57	11.89	11.64	12.82
	3 TX Slots	17.23	17.43	17.10	18.00	-4.42	12.81	13.01	12.68	13.58
	4 TX Slots	16.85	16.96	16.65	18.00	-3.17	13.68	13.79	13.48	14.83
EGPRS (8PSK)	1 TX Slot	16.71	16.92	16.84	18.00	-9.19	7.52	7.73	7.65	8.81
	2 TX Slots	16.22	16.52	16.26	18.00	-6.18	10.04	10.34	10.08	11.82
	3 TX Slots	15.93	16.07	15.80	17.00	-4.42	11.51	11.65	11.38	12.58
	4 TX Slots	15.42	15.58	15.42	17.00	-3.17	12.25	12.41	12.25	13.83



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2 Conducted Power of WCDMA

Full:

WCDMA Band II					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	22.98	23.07	23.04	24.00
HSDPA	Subtest 1	22.50	22.42	22.46	23.00
	Subtest 2	22.48	22.42	22.58	23.00
	Subtest 3	21.98	21.92	21.91	22.50
	Subtest 4	22.00	21.84	21.83	22.50
HSUPA	Subtest 1	21.03	21.02	20.98	21.50
	Subtest 2	20.68	20.37	20.58	21.00
	Subtest 3	21.54	21.64	21.59	22.00
	Subtest 4	20.52	20.35	20.65	21.00
	Subtest 5	21.56	21.64	21.53	22.00
DC-HSDPA	Subtest 1	22.83	22.61	22.65	23.00
	Subtest 2	22.63	22.52	22.70	23.00
	Subtest 3	22.15	22.05	22.03	22.50
	Subtest 4	22.07	22.16	22.10	22.50

WCDMA Band IV					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	23.13	23.19	23.04	24.00
HSDPA	Subtest 1	22.59	22.54	22.38	23.00
	Subtest 2	22.63	22.42	22.69	23.00
	Subtest 3	22.00	22.00	22.02	22.50
	Subtest 4	21.94	22.16	22.01	22.50
HSUPA	Subtest 1	21.31	21.16	21.01	21.50
	Subtest 2	20.66	20.64	20.79	21.00
	Subtest 3	21.65	21.70	21.63	22.00
	Subtest 4	20.70	20.56	20.84	21.00
	Subtest 5	21.69	21.66	21.78	22.00
DC-HSDPA	Subtest 1	22.88	22.75	22.69	23.00
	Subtest 2	22.89	22.79	22.83	23.00
	Subtest 3	22.31	22.07	22.13	22.50
	Subtest 4	22.17	22.21	22.24	22.50



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WCDMA Band V					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	22.57	22.69	22.58	24.00
HSDPA	Subtest 1	22.15	22.04	22.21	23.00
	Subtest 2	22.13	22.19	22.18	23.00
	Subtest 3	21.45	21.63	21.49	22.50
	Subtest 4	21.57	21.43	21.45	22.50
HSUPA	Subtest 1	20.88	20.82	20.51	21.50
	Subtest 2	20.22	20.07	20.40	21.00
	Subtest 3	21.23	21.38	21.28	22.00
	Subtest 4	20.12	20.11	20.26	21.00
	Subtest 5	21.28	21.30	21.23	22.00
DC-HSDPA	Subtest 1	22.39	22.33	22.45	23.00
	Subtest 2	22.34	22.31	22.33	23.00
	Subtest 3	21.97	21.74	21.76	22.50
	Subtest 4	21.70	21.71	21.74	22.50



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Sensor on:

WCDMA Band II Sensor on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	11.46	11.53	11.42	12.00
HSDPA	Subtest 1	10.76	10.61	10.73	11.00
	Subtest 2	10.66	10.71	10.77	11.00
	Subtest 3	10.25	10.11	10.17	10.50
	Subtest 4	10.25	10.09	10.09	10.50
HSUPA	Subtest 1	9.18	9.19	9.23	9.50
	Subtest 2	8.91	8.53	8.79	9.00
	Subtest 3	9.71	9.89	9.86	10.00
	Subtest 4	8.80	8.58	8.85	9.00
	Subtest 5	9.74	9.82	9.75	10.00
DC-HSDPA	Subtest 1	10.99	10.76	10.86	11.00
	Subtest 2	10.87	10.75	10.89	11.00
	Subtest 3	10.37	10.24	10.21	10.50
	Subtest 4	10.23	10.36	10.38	10.50

WCDMA Band IV Sensor on					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	15.23	15.33	15.24	16.00
HSDPA	Subtest 1	14.58	14.58	14.48	15.00
	Subtest 2	14.70	14.40	14.70	15.00
	Subtest 3	13.99	14.07	14.08	14.50
	Subtest 4	14.02	14.17	14.00	14.50
HSUPA	Subtest 1	13.31	13.16	13.02	13.50
	Subtest 2	12.69	12.72	12.88	13.00
	Subtest 3	13.68	13.77	13.69	14.00
	Subtest 4	12.71	12.59	12.89	13.00
	Subtest 5	13.73	13.71	13.87	14.00
DC-HSDPA	Subtest 1	14.90	14.80	14.67	15.00
	Subtest 2	14.98	14.76	14.79	15.00
	Subtest 3	14.31	14.04	14.20	14.50
	Subtest 4	14.18	14.24	14.20	14.50



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WCDMA Band V Sensor on					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	18.51	18.63	18.56	20.00
HSDPA	Subtest 1	18.02	17.96	18.20	19.00
	Subtest 2	18.12	18.16	18.13	19.00
	Subtest 3	17.31	17.54	17.45	18.50
	Subtest 4	17.49	17.41	17.31	18.50
HSUPA	Subtest 1	16.76	16.77	16.51	17.50
	Subtest 2	16.11	16.04	16.40	17.00
	Subtest 3	17.13	17.30	17.20	18.00
	Subtest 4	16.06	15.99	16.19	17.00
	Subtest 5	17.25	17.19	17.09	18.00
DC-HSDPA	Subtest 1	18.33	18.29	18.38	19.00
	Subtest 2	18.30	18.25	18.28	19.00
	Subtest 3	17.90	17.70	17.61	18.50
	Subtest 4	17.68	17.64	17.66	18.50

WCDMA Band II Sensor on For Simultaneous					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	10.44	10.62	10.49	11.00
HSDPA	Subtest 1	9.82	9.70	9.80	10.00
	Subtest 2	9.73	9.79	9.85	10.00
	Subtest 3	9.21	9.15	9.14	9.50
	Subtest 4	9.35	9.14	9.04	9.50
HSUPA	Subtest 1	8.19	8.24	8.26	8.50
	Subtest 2	7.93	7.50	7.76	8.00
	Subtest 3	8.74	8.85	8.95	9.00
	Subtest 4	7.80	7.62	7.90	8.00
	Subtest 5	8.74	8.86	8.73	9.00
DC-HSDPA	Subtest 1	9.80	9.80	9.83	10.00
	Subtest 2	9.90	9.82	9.98	10.00
	Subtest 3	9.41	9.23	9.19	9.50
	Subtest 4	9.20	9.38	9.45	9.50



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WCDMA Band IV Sensor on For Simultaneous					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	14.28	14.41	14.23	15.00
HSDPA	Subtest 1	13.62	13.54	13.58	14.00
	Subtest 2	13.78	13.43	13.78	14.00
	Subtest 3	13.00	13.03	13.03	13.50
	Subtest 4	13.10	13.12	13.04	13.50
HSUPA	Subtest 1	12.37	12.16	12.03	12.50
	Subtest 2	11.77	11.72	11.97	12.00
	Subtest 3	12.66	12.85	12.70	13.00
	Subtest 4	11.67	11.58	11.90	12.00
	Subtest 5	12.75	12.74	12.93	13.00
DC-HSDPA	Subtest 1	13.95	13.86	13.67	14.00
	Subtest 2	13.96	13.85	13.80	14.00
	Subtest 3	13.29	13.02	13.29	13.50
	Subtest 4	13.13	13.24	13.24	13.50



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3 Conducted Power of LTE

Full:

LTE Band 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	22.54	22.52	22.54	24.00
		1	2	22.59	22.49	22.61	24.00
		1	5	22.59	22.46	22.54	24.00
		3	0	22.62	22.60	22.53	24.00
		3	1	22.66	22.51	22.63	24.00
		3	3	22.68	22.63	22.62	24.00
	16QAM	6	0	21.62	21.61	21.61	23.00
		1	0	21.86	21.82	21.93	23.00
		1	2	21.84	21.87	21.97	23.00
		1	5	21.86	21.93	21.84	23.00
		3	0	21.66	21.70	21.83	23.00
		3	1	21.83	21.88	21.67	23.00
3MHz	QPSK	3	3	21.81	21.81	21.79	23.00
		6	0	20.57	20.60	20.70	22.00
	16QAM	1	0	22.74	22.86	22.79	24.00
		1	7	22.48	22.56	22.54	24.00
		1	14	22.53	22.61	22.57	24.00
		8	0	21.76	21.86	21.78	23.00
	16QAM	8	4	21.72	21.75	21.64	23.00
		8	7	21.75	21.77	21.71	23.00
		15	0	21.76	21.85	21.75	23.00
		1	0	22.22	22.28	22.05	23.00
		1	7	22.09	22.17	21.98	23.00
		1	14	22.24	22.23	22.32	23.00
5MHz	QPSK	8	0	20.86	20.84	20.75	22.00
		8	4	20.71	20.91	20.64	22.00
		8	7	20.56	20.92	20.71	22.00
		15	0	20.78	20.97	20.90	22.00
	16QAM	1	0	22.78	22.86	22.76	24.00
		1	13	22.47	22.61	22.57	24.00
		1	24	22.53	22.60	22.61	24.00
		12	0	21.80	21.82	21.71	23.00
		12	6	21.82	21.81	21.79	23.00
		12	13	21.76	21.76	21.68	23.00
10MHz	QPSK	25	0	21.79	21.77	21.72	23.00
		1	0	22.14	22.16	22.09	23.00
		1	13	22.15	22.21	21.97	23.00
		1	24	22.19	22.33	22.24	23.00
		12	0	20.77	20.78	20.74	22.00
		12	6	20.77	20.87	20.62	22.00
	16QAM	12	13	20.66	20.80	20.77	22.00
		25	0	20.67	20.86	20.92	22.00
		1	0	22.80	22.78	22.81	24.00
		1	25	22.55	22.66	22.60	24.00
		1	49	22.62	22.54	22.63	24.00
		25	0	21.74	21.83	21.66	23.00



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		25	13	21.79	21.80	21.78	23.00
		25	25	21.64	21.79	21.76	23.00
		50	0	21.70	21.84	21.74	23.00
	16QAM	1	0	22.20	22.24	22.13	23.00
		1	25	22.06	22.23	22.06	23.00
		1	49	22.23	22.21	22.24	23.00
		25	0	20.77	20.86	20.84	22.00
		25	13	20.68	20.88	20.57	22.00
		25	25	20.60	20.92	20.79	22.00
		50	0	20.76	20.95	20.85	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	22.81	22.85	22.70	24.00
		1	38	22.51	22.66	22.60	24.00
		1	74	22.62	22.58	22.64	24.00
		36	0	21.72	21.79	21.79	23.00
		36	18	21.79	21.75	21.67	23.00
		36	39	21.74	21.71	21.71	23.00
		75	0	21.66	21.79	21.80	23.00
	16QAM	1	0	22.25	22.20	22.08	23.00
		1	38	22.09	22.10	22.05	23.00
		1	74	22.16	22.29	22.34	23.00
		36	0	20.82	20.78	20.80	22.00
		36	18	20.78	20.89	20.69	22.00
		36	39	20.64	20.93	20.70	22.00
		75	0	20.71	20.95	20.94	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	22.72	22.87	22.71	24.00
		1	50	22.59	22.75	22.55	24.00
		1	99	22.50	22.51	22.64	24.00
		50	0	21.80	21.93	21.82	23.00
		50	25	21.91	21.77	21.74	23.00
		50	50	21.69	21.87	21.73	23.00
		100	0	21.77	21.83	21.92	23.00
	16QAM	1	0	22.11	22.15	22.01	23.00
		1	50	22.05	22.06	22.03	23.00
		1	99	22.14	22.36	22.22	23.00
		50	0	20.80	20.97	20.65	22.00
		50	25	20.78	20.85	20.59	22.00
		50	50	20.64	20.82	20.66	22.00
		100	0	20.77	20.93	20.90	22.00

LTE Band 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	22.59	22.63	22.50	24.00
		1	2	22.70	22.74	22.75	24.00
		1	5	22.56	22.69	22.62	24.00
		3	0	22.69	22.70	22.71	24.00
		3	1	22.85	22.72	22.80	24.00
		3	3	22.76	22.80	22.55	24.00
		6	0	21.73	21.80	21.77	23.00
	16QAM	1	0	22.07	21.87	22.00	23.00
		1	2	22.10	22.04	22.06	23.00
		1	5	21.92	21.91	21.95	23.00
		3	0	21.97	21.97	21.84	23.00
		3	1	21.98	21.82	21.85	23.00
		3	3	21.87	21.94	22.01	23.00
		6	0	20.81	20.82	20.86	22.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	22.80	22.81	22.74	24.00
		1	7	22.53	22.61	22.66	24.00
		1	14	22.61	22.57	22.60	24.00
		8	0	21.81	21.85	21.79	23.00
		8	4	21.78	21.81	21.65	23.00
		8	7	21.63	21.79	21.77	23.00
		15	0	21.67	21.85	21.68	23.00
	16QAM	1	0	22.25	22.21	22.05	23.00
		1	7	22.06	22.15	22.01	23.00
		1	14	22.18	22.19	22.29	23.00
		8	0	20.80	20.83	20.82	22.00
		8	4	20.74	20.89	20.63	22.00
		8	7	20.66	20.91	20.67	22.00
		15	0	20.74	20.90	20.90	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	22.80	22.83	22.81	24.00
		1	13	22.52	22.70	22.67	24.00
		1	24	22.61	22.57	22.64	24.00
		12	0	21.80	21.73	21.75	23.00
		12	6	21.70	21.86	21.77	23.00
		12	13	21.66	21.71	21.66	23.00
		25	0	21.73	21.84	21.67	23.00
	16QAM	1	0	22.20	22.16	22.02	23.00
		1	13	22.14	22.17	22.01	23.00
		1	24	22.23	22.26	22.22	23.00
		12	0	20.89	20.84	20.74	22.00
		12	6	20.72	20.85	20.69	22.00
		12	13	20.53	20.91	20.75	22.00
		25	0	20.68	20.84	20.89	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	22.80	22.84	22.71	24.00
		1	25	22.59	22.60	22.57	24.00
		1	49	22.57	22.56	22.65	24.00
		25	0	21.70	21.84	21.68	23.00
		25	13	21.72	21.80	21.73	23.00
		25	25	21.72	21.79	21.73	23.00
		50	0	21.77	21.89	21.73	23.00
	16QAM	1	0	22.15	22.30	22.12	23.00
		1	25	22.16	22.14	22.00	23.00
		1	49	22.22	22.30	22.23	23.00
		25	0	20.83	20.87	20.72	22.00
		25	13	20.77	20.82	20.65	22.00
		25	25	20.63	20.94	20.76	22.00
		50	0	20.72	20.94	20.89	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	22.79	22.81	22.77	24.00
		1	38	22.57	22.66	22.57	24.00
		1	74	22.66	22.63	22.69	24.00
		36	0	21.77	21.74	21.80	23.00
		36	18	21.71	21.74	21.65	23.00
		36	39	21.68	21.79	21.74	23.00
		75	0	21.77	21.85	21.75	23.00
	16QAM	1	0	22.15	22.26	22.06	23.00
		1	38	22.13	22.18	22.09	23.00
		1	74	22.15	22.20	22.29	23.00
		36	0	20.77	20.85	20.82	22.00
		36	18	20.70	20.85	20.56	22.00



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		36	39	20.64	20.80	20.70	22.00
		75	0	20.80	20.84	20.81	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	22.89	22.97	22.85	24.00
		1	50	22.47	22.65	22.56	24.00
		1	99	22.57	22.54	22.57	24.00
		50	0	21.71	21.80	21.69	23.00
		50	25	21.71	21.77	21.77	23.00
		50	50	21.71	21.79	21.74	23.00
		100	0	21.70	21.85	21.78	23.00
	16QAM	1	0	22.17	22.23	22.01	23.00
		1	50	22.13	22.16	22.04	23.00
		1	99	22.17	22.21	22.32	23.00
		50	0	20.80	20.76	20.72	22.00
		50	25	20.70	20.91	20.67	22.00
		50	50	20.58	20.82	20.67	22.00
		100	0	20.66	20.84	20.81	22.00

LTE Band 5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	22.64	22.72	22.61	24.00
		1	2	22.52	22.68	22.73	24.00
		1	5	22.82	22.67	22.70	24.00
		3	0	22.74	22.67	22.66	24.00
		3	2	22.92	22.61	22.86	24.00
		3	3	22.68	22.64	22.77	24.00
		6	0	21.79	21.79	21.68	23.00
	16QAM	1	0	21.98	22.16	22.10	23.00
		1	2	21.94	22.05	21.83	23.00
		1	5	22.09	21.99	21.99	23.00
		3	0	21.86	21.84	21.97	23.00
		3	2	21.74	21.91	21.90	23.00
		3	3	21.87	21.97	21.86	23.00
		6	0	20.77	20.65	20.90	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	22.66	22.90	22.71	24.00
		1	7	22.58	22.82	22.61	24.00
		1	14	22.50	22.71	22.61	24.00
		8	0	21.81	21.83	21.90	23.00
		8	4	21.78	21.70	21.93	23.00
		8	7	21.84	21.69	21.60	23.00
		15	0	21.93	21.64	21.80	23.00
	16QAM	1	0	22.27	22.15	22.16	23.00
		1	7	22.19	22.19	22.06	23.00
		1	14	22.18	22.37	22.37	23.00
		8	0	21.04	20.93	20.80	22.00
		8	4	20.82	20.87	20.75	22.00
		8	7	20.72	20.82	20.78	22.00
		15	0	20.62	21.03	20.77	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	22.77	22.88	22.76	24.00
		1	13	22.60	22.87	22.72	24.00
		1	24	22.58	22.77	22.67	24.00
		12	0	21.80	21.97	21.83	23.00
		12	6	21.71	21.76	21.92	23.00



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	16QAM	12	13	21.90	21.79	21.57	23.00
		25	0	21.91	21.64	21.80	23.00
		1	0	22.27	22.16	22.11	23.00
		1	13	22.16	22.21	22.16	23.00
		1	24	22.22	22.40	22.32	23.00
		12	0	21.08	21.00	20.76	22.00
		12	6	20.89	20.86	20.75	22.00
		12	13	20.77	20.84	20.84	22.00
		25	0	20.72	21.03	20.80	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	22.77	22.98	22.76	24.00
		1	25	22.62	22.78	22.65	24.00
		1	49	22.47	22.76	22.74	24.00
		25	0	21.83	21.97	21.80	23.00
		25	13	21.78	21.77	21.96	23.00
		25	25	21.78	21.72	21.69	23.00
		50	0	21.92	21.65	21.86	23.00
	16QAM	1	0	22.22	22.13	22.15	23.00
		1	25	22.14	22.27	22.09	23.00
		1	49	22.11	22.42	22.27	23.00
		25	0	21.07	20.93	20.81	22.00
		25	13	20.88	20.75	20.76	22.00
		25	25	20.72	20.70	20.75	22.00
		50	0	20.64	21.06	20.76	22.00

LTE Band 7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	QPSK	1	0	22.58	22.78	22.59	24.00
		1	13	22.47	22.63	22.54	24.00
		1	24	22.29	22.59	22.49	24.00
		12	0	21.66	21.79	21.63	23.00
		12	6	21.68	21.66	21.78	23.00
		12	13	21.55	21.59	21.55	23.00
		25	0	21.81	21.44	21.69	23.00
	16QAM	1	0	22.10	21.89	22.01	23.00
		1	13	22.03	22.10	21.87	23.00
		1	24	21.94	22.24	22.13	23.00
		12	0	20.92	20.76	20.68	22.00
		12	6	20.64	20.58	20.52	22.00
		12	13	20.48	20.47	20.64	22.00
		25	0	20.47	20.82	20.60	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	22.67	22.73	22.65	24.00
		1	25	22.51	22.54	22.50	24.00
		1	49	22.36	22.58	22.56	24.00
		25	0	21.60	21.78	21.60	23.00
		25	13	21.62	21.60	21.78	23.00
		25	25	21.53	21.62	21.55	23.00
		50	0	21.79	21.40	21.69	23.00
	16QAM	1	0	21.97	21.97	21.91	23.00
		1	25	22.03	22.12	21.86	23.00
		1	49	21.99	22.26	22.07	23.00
		25	0	20.94	20.74	20.67	22.00
		25	13	20.65	20.51	20.66	22.00
		25	25	20.57	20.47	20.57	22.00
		50	0	20.44	20.94	20.62	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				20825	21100	21375	
15MHz	QPSK	1	0	22.66	22.80	22.64	24.00
		1	38	22.43	22.60	22.54	24.00
		1	74	22.35	22.52	22.61	24.00
		36	0	21.60	21.70	21.67	23.00
		36	18	21.66	21.57	21.77	23.00
		36	39	21.56	21.62	21.55	23.00
		75	0	21.71	21.51	21.69	23.00
	16QAM	1	0	21.99	21.92	21.91	23.00
		1	38	22.02	22.04	21.95	23.00
		1	74	21.88	22.27	22.04	23.00
		36	0	20.82	20.70	20.57	22.00
		36	18	20.66	20.59	20.53	22.00
		36	39	20.62	20.55	20.57	22.00
		75	0	20.39	20.83	20.56	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	22.55	22.83	22.63	24.00
		1	50	22.45	22.66	22.43	24.00
		1	99	22.24	22.58	22.56	24.00
		50	0	21.65	21.76	21.66	23.00
		50	25	21.57	21.58	21.76	23.00
		50	50	21.65	21.51	21.58	23.00
		100	0	21.75	21.78	21.73	23.00
	16QAM	1	0	22.01	22.01	22.00	23.00
		1	50	21.99	22.13	21.93	23.00
		1	99	21.97	22.31	22.09	23.00
		50	0	20.91	20.82	20.56	22.00
		50	25	20.64	20.63	20.58	22.00
		50	50	20.61	20.50	20.56	22.00
		100	0	20.50	20.93	20.53	22.00



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LTE Band 7 For Simultaneous				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	21.58	21.86	21.69	23.00
		1	13	21.48	21.62	21.39	23.00
		1	24	21.29	21.59	21.63	23.00
		12	0	21.66	21.79	21.63	23.00
		12	6	21.68	21.66	21.78	23.00
		12	13	21.55	21.59	21.55	23.00
	16QAM	25	0	21.81	21.44	21.69	23.00
		1	0	21.60	21.39	21.51	23.00
		1	13	21.53	21.60	21.37	23.00
		1	24	21.44	21.74	21.63	23.00
		12	0	20.92	20.76	20.68	22.00
		12	6	20.64	20.58	20.52	22.00
10MHz	QPSK	12	13	20.48	20.47	20.64	22.00
		25	0	20.47	20.82	20.60	22.00
	16QAM	1	0	21.55	21.83	21.63	23.00
		1	25	21.42	21.63	21.45	23.00
		1	49	21.33	21.54	21.63	23.00
		25	0	21.60	21.78	21.60	23.00
	16QAM	25	13	21.62	21.60	21.78	23.00
		25	25	21.53	21.62	21.55	23.00
		50	0	21.79	21.40	21.69	23.00
		1	0	21.47	21.47	21.41	23.00
		1	25	21.53	21.62	21.36	23.00
		1	49	21.49	21.76	21.57	23.00
15MHz	QPSK	25	0	20.94	20.74	20.67	22.00
		25	13	20.65	20.51	20.66	22.00
		25	25	20.57	20.47	20.57	22.00
		50	0	20.44	20.94	20.62	22.00
	16QAM	1	0	21.50	21.92	21.60	23.00
		1	38	21.48	21.68	21.42	23.00
		1	74	21.24	21.60	21.55	23.00
		36	0	21.60	21.70	21.67	23.00
		36	18	21.66	21.57	21.77	23.00
		36	39	21.56	21.62	21.55	23.00
20MHz	QPSK	75	0	21.71	21.51	21.69	23.00
		1	0	21.49	21.42	21.41	23.00
		1	38	21.52	21.54	21.45	23.00
		1	74	21.38	21.77	21.54	23.00
		36	0	20.82	20.70	20.57	22.00
		36	18	20.66	20.59	20.53	22.00
	16QAM	36	39	20.62	20.55	20.57	22.00
		75	0	20.39	20.83	20.56	22.00
	QPSK	1	0	21.59	21.91	21.67	23.00
		1	50	21.47	21.71	21.41	23.00
		1	99	21.25	21.56	21.58	23.00
		50	0	21.65	21.76	21.66	23.00
		50	25	21.57	21.58	21.76	23.00
		50	50	21.65	21.51	21.58	23.00
25MHz	QPSK	100	0	21.75	21.78	21.73	23.00
		1	0	21.51	21.51	21.50	23.00
	16QAM	1	0	21.51	21.51	21.50	23.00
		1	0	21.51	21.51	21.50	23.00
		1	0	21.51	21.51	21.50	23.00
		1	0	21.51	21.51	21.50	23.00

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		1	50	21.49	21.63	21.43	23.00
		1	99	21.47	21.81	21.59	23.00
		50	0	20.91	20.82	20.56	22.00
		50	25	20.64	20.63	20.58	22.00
		50	50	20.61	20.50	20.56	22.00
		100	0	20.50	20.93	20.53	22.00

LTE FDD Band 12				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	22.72	22.72	22.83	24.00
		1	2	22.64	22.78	22.90	24.00
		1	5	22.85	22.76	22.85	24.00
		3	0	22.93	22.68	22.80	24.00
		3	2	22.98	22.70	22.93	24.00
		3	3	22.91	22.82	22.86	24.00
	16QAM	6	0	21.89	21.91	21.92	23.00
		1	0	22.14	22.26	22.19	23.00
		1	2	22.09	22.12	22.04	23.00
		1	5	22.21	22.12	22.18	23.00
		3	0	21.93	21.98	22.06	23.00
		3	2	21.86	22.04	21.95	23.00
3MHz	QPSK	3	3	21.96	22.14	21.92	23.00
		6	0	20.88	20.84	20.92	22.00
	16QAM	1	0	23.09	23.12	23.00	24.00
		1	7	22.71	22.81	22.73	24.00
		1	14	22.65	22.81	22.80	24.00
		8	0	21.84	21.76	21.95	23.00
5MHz	QPSK	8	4	21.68	21.88	21.92	23.00
		8	7	21.85	21.81	21.59	23.00
		15	0	21.77	21.72	21.93	23.00
	16QAM	1	0	22.24	22.21	22.26	23.00
		1	7	22.27	22.34	22.15	23.00
		1	14	22.16	22.40	22.44	23.00
10MHz	QPSK	8	0	21.04	20.96	20.84	22.00
		8	4	20.82	20.89	20.77	22.00
		8	7	20.73	20.75	20.85	22.00
		15	0	20.85	20.94	20.81	22.00
	16QAM	1	0	23.10	23.03	23.09	24.00
		1	13	22.80	22.80	22.78	24.00
10MHz	QPSK	1	24	22.70	22.81	22.76	24.00
		12	0	21.89	21.82	21.89	23.00
		12	6	21.69	21.93	22.01	23.00
		12	13	21.89	21.80	21.57	23.00
		25	0	21.81	21.69	21.95	23.00
	16QAM	1	0	22.27	22.18	22.24	23.00
		1	13	22.25	22.41	22.23	23.00
		1	24	22.19	22.40	22.30	23.00
		12	0	21.04	20.98	20.72	22.00
		12	6	20.83	20.94	20.82	22.00
		12	13	20.75	20.75	20.77	22.00
10MHz	QPSK	25	0	20.87	20.97	20.89	22.00
		1	0	23.08	23.12	23.07	24.00
		1	25	22.72	22.85	22.68	24.00
		1	49	22.76	22.83	22.66	24.00
10MHz	QPSK	25	0	21.89	21.95	21.87	23.00



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		25	13	21.70	21.91	21.93	23.00
		25	25	21.92	21.85	21.65	23.00
		50	0	21.90	21.72	21.87	23.00
	16QAM	1	0	22.22	22.20	22.19	23.00
		1	25	22.17	22.39	22.21	23.00
		1	49	22.14	22.45	22.40	23.00
		25	0	20.99	21.01	20.76	22.00
		25	13	20.77	20.90	20.88	22.00
		25	25	20.81	20.68	20.76	22.00
		50	0	20.91	21.02	20.89	22.00



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LTE FDD Band 13				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	23.00	23.01	23.00	24.00
		1	13	22.69	22.78	22.77	24.00
		1	24	22.71	22.95	22.77	24.00
		12	0	21.89	21.82	21.90	23.00
		12	6	21.80	21.89	21.96	23.00
		12	13	21.97	21.76	21.62	23.00
		25	0	21.87	21.72	21.89	23.00
	16QAM	1	0	22.19	22.27	22.28	23.00
		1	13	22.18	22.38	22.16	23.00
		1	24	22.19	22.40	22.40	23.00
		12	0	21.00	20.93	20.76	22.00
		12	6	20.71	20.93	20.75	22.00
		12	13	20.74	20.82	20.74	22.00
		25	0	20.90	21.03	20.87	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23230	/	24.00
		1	25	/	23.04	/	24.00
		1	49	/	22.85	/	24.00
		1	49	/	22.94	/	24.00
		25	0	/	21.95	/	23.00
		25	13	/	21.94	/	23.00
		25	25	/	21.81	/	23.00
	16QAM	50	0	/	21.74	/	23.00
		1	0	/	22.18	/	23.00
		1	25	/	22.32	/	23.00
		1	49	/	22.49	/	23.00
		25	0	/	20.94	/	22.00
		25	13	/	20.94	/	22.00
		25	25	/	20.68	/	22.00
		50	0	/	20.96	/	22.00



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LTE FDD Band 17				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	22.93	23.04	23.01	24.00
		1	13	22.69	22.75	22.57	24.00
		1	24	22.58	22.84	22.68	24.00
		12	0	21.83	21.71	21.80	23.00
		12	6	21.62	21.80	21.94	23.00
		12	13	21.74	21.78	21.48	23.00
		25	0	21.77	21.56	21.84	23.00
	16QAM	1	0	22.12	22.11	22.15	23.00
		1	13	22.10	22.22	22.18	23.00
		1	24	22.12	22.35	22.26	23.00
		12	0	20.94	20.78	20.61	22.00
		12	6	20.63	20.84	20.65	22.00
		12	13	20.67	20.61	20.74	22.00
		25	0	20.76	20.88	20.83	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	22.93	23.05	22.91	24.00
		1	25	22.71	22.73	22.66	24.00
		1	49	22.61	22.83	22.62	24.00
		25	0	21.75	21.91	21.77	23.00
		25	13	21.61	21.88	21.82	23.00
		25	25	21.73	21.73	21.49	23.00
		50	0	21.81	21.63	21.80	23.00
	16QAM	1	0	22.14	22.12	22.19	23.00
		1	25	22.08	22.25	22.11	23.00
		1	49	22.03	22.41	22.21	23.00
		25	0	20.89	20.82	20.68	22.00
		25	13	20.60	20.78	20.78	22.00
		25	25	20.68	20.71	20.71	22.00
		50	0	20.70	20.94	20.79	22.00

LTE Band 25				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	22.53	22.53	22.53	24.00
		1	2	22.38	22.59	22.58	24.00
		1	5	22.55	22.42	22.60	24.00
		3	0	22.58	22.44	22.47	24.00
		3	1	22.74	22.45	22.71	24.00
		3	3	22.48	22.47	22.54	24.00
		6	0	21.61	21.61	21.48	23.00
	16QAM	1	0	21.79	21.92	21.83	23.00
		1	2	21.77	21.82	21.64	23.00
		1	5	21.93	21.74	21.85	23.00
		3	0	21.60	21.71	21.79	23.00
		3	1	21.52	21.72	21.77	23.00
		3	3	21.60	21.87	21.72	23.00
		6	0	20.62	20.52	20.71	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	22.98	22.95	22.91	24.00
		1	7	22.64	22.71	22.64	24.00
		1	14	22.60	22.81	22.58	24.00
		8	0	21.83	21.62	21.81	23.00
		8	4	21.56	21.87	21.82	23.00



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	16QAM	8	7	21.87	21.69	21.56	23.00
		15	0	21.69	21.58	21.78	23.00
		1	0	22.07	22.07	22.18	23.00
		1	7	22.04	22.25	22.16	23.00
		1	14	22.06	22.30	22.26	23.00
		8	0	20.88	20.88	20.65	22.00
		8	4	20.69	20.83	20.75	22.00
		8	7	20.65	20.59	20.70	22.00
		15	0	20.77	20.90	20.80	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	22.91	22.95	22.91	24.00
		1	13	22.64	22.65	22.64	24.00
		1	24	22.59	22.79	22.60	24.00
		12	0	21.71	21.69	21.82	23.00
		12	6	21.61	21.79	21.86	23.00
		12	13	21.84	21.69	21.52	23.00
		25	0	21.70	21.62	21.82	23.00
	16QAM	1	0	22.15	22.15	22.14	23.00
		1	13	22.05	22.26	22.18	23.00
		1	24	22.07	22.36	22.33	23.00
		12	0	20.91	20.79	20.66	22.00
		12	6	20.66	20.74	20.72	22.00
		12	13	20.67	20.65	20.70	22.00
		25	0	20.70	20.83	20.77	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	22.89	22.97	23.04	24.00
		1	25	22.67	22.65	22.65	24.00
		1	49	22.55	22.73	22.67	24.00
		25	0	21.76	21.74	21.86	23.00
		25	13	21.69	21.85	21.93	23.00
		25	25	21.83	21.71	21.48	23.00
		50	0	21.77	21.63	21.79	23.00
	16QAM	1	0	22.05	22.17	22.15	23.00
		1	25	22.05	22.21	22.09	23.00
		1	49	22.11	22.44	22.31	23.00
		25	0	20.91	20.87	20.65	22.00
		25	13	20.73	20.72	20.77	22.00
		25	25	20.71	20.64	20.64	22.00
		50	0	20.74	20.92	20.76	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	22.88	22.94	22.95	24.00
		1	38	22.58	22.77	22.66	24.00
		1	74	22.55	22.81	22.57	24.00
		36	0	21.79	21.70	21.77	23.00
		36	18	21.61	21.79	21.93	23.00
		36	39	21.87	21.77	21.48	23.00
		75	0	21.68	21.65	21.81	23.00
	16QAM	1	0	22.12	22.15	22.19	23.00
		1	38	22.10	22.31	22.13	23.00
		1	74	22.10	22.38	22.29	23.00
		36	0	20.93	20.90	20.67	22.00
		36	18	20.62	20.76	20.75	22.00
		36	39	20.65	20.70	20.63	22.00
		75	0	20.75	20.96	20.71	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	22.88	23.05	22.96	24.00
		1	50	22.64	22.72	22.64	24.00
		1	99	22.54	22.74	22.61	24.00
		50	0	21.72	21.85	21.72	23.00



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		50	25	21.67	21.77	21.84	23.00
		50	50	21.75	21.72	21.49	23.00
		100	0	21.76	21.63	21.82	23.00
	16QAM	1	0	22.04	22.20	22.12	23.00
		1	50	22.12	22.21	22.10	23.00
		1	99	22.14	22.41	22.23	23.00
		50	0	20.99	20.80	20.61	22.00
		50	25	20.64	20.87	20.78	22.00
		50	50	20.70	20.60	20.66	22.00
		100	0	20.80	20.97	20.71	22.00

LTE Band 26				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	22.57	22.50	22.62	24.00
		1	2	22.45	22.64	22.67	24.00
		1	5	22.64	22.50	22.69	24.00
		3	0	22.75	22.55	22.55	24.00
		3	2	22.82	22.55	22.68	24.00
		3	3	22.59	22.60	22.70	24.00
		6	0	21.70	21.71	21.72	23.00
	16QAM	1	0	21.87	21.99	21.93	23.00
		1	2	21.85	21.93	21.70	23.00
		1	5	22.00	21.81	21.91	23.00
		3	0	21.79	21.86	21.91	23.00
		3	2	21.65	21.70	21.76	23.00
		3	3	21.64	21.97	21.83	23.00
		6	0	20.67	20.60	20.69	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	23.02	23.06	23.10	24.00
		1	7	22.70	22.77	22.77	24.00
		1	14	22.71	22.84	22.67	24.00
		8	0	21.82	21.80	21.95	23.00
		8	4	21.72	21.86	22.00	23.00
		8	7	21.86	21.78	21.59	23.00
		15	0	21.82	21.72	21.90	23.00
	16QAM	1	0	22.21	22.22	22.19	23.00
		1	7	22.17	22.34	22.20	23.00
		1	14	22.14	22.45	22.42	23.00
		8	0	21.02	20.91	20.76	22.00
		8	4	20.70	20.95	20.77	22.00
		8	7	20.73	20.76	20.81	22.00
		15	0	20.89	21.04	20.84	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	23.08	23.13	23.12	24.00
		1	13	22.74	22.86	22.74	24.00
		1	24	22.68	22.95	22.77	24.00
		12	0	21.92	21.72	21.94	23.00
		12	6	21.73	21.89	21.96	23.00
		12	13	21.85	21.84	21.59	23.00
		25	0	21.85	21.67	21.86	23.00
	16QAM	1	0	22.19	22.24	22.22	23.00
		1	13	22.21	22.38	22.15	23.00
		1	24	22.13	22.42	22.40	23.00
		12	0	21.00	20.98	20.72	22.00
		12	6	20.80	20.84	20.88	22.00
		12	13	20.83	20.78	20.77	22.00



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		25	0	20.91	20.97	20.90	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	23.00	23.13	23.00	24.00
		1	25	22.73	22.78	22.66	24.00
		1	49	22.66	22.86	22.76	24.00
		25	0	21.91	21.82	21.83	23.00
		25	13	21.79	21.91	22.05	23.00
		25	25	21.95	21.85	21.62	23.00
		50	0	21.81	21.79	21.99	23.00
	16QAM	1	0	22.23	22.16	22.16	23.00
		1	25	22.13	22.38	22.20	23.00
		1	49	22.10	22.46	22.40	23.00
		25	0	21.10	20.97	20.79	22.00
		25	13	20.77	20.93	20.76	22.00
		25	25	20.82	20.82	20.80	22.00
		50	0	20.87	20.93	20.90	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26765	26865	26965	
15MHz	QPSK	1	0	23.00	23.14	23.05	24.00
		1	38	22.69	22.85	22.71	24.00
		1	74	22.64	22.84	22.74	24.00
		36	0	21.85	22.06	21.90	23.00
		36	18	21.75	21.91	22.02	23.00
		36	39	21.97	21.80	21.63	23.00
		75	0	21.85	21.78	21.87	23.00
	16QAM	1	0	22.22	22.29	22.17	23.00
		1	38	22.22	22.31	22.19	23.00
		1	74	22.09	22.48	22.33	23.00
		36	0	20.97	20.93	20.73	22.00
		36	18	20.69	20.94	20.76	22.00
		36	39	20.79	20.81	20.83	22.00
		75	0	20.82	20.95	20.83	22.00

LTE FDD Band 30				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				27685	27710	27735	
5MHz	QPSK	1	0	22.60	22.61	22.69	24.00
		1	13	22.36	22.43	22.36	24.00
		1	24	22.26	22.43	22.30	24.00
		12	0	21.50	21.32	21.44	23.00
		12	6	21.37	21.57	21.61	23.00
		12	13	21.54	21.47	21.23	23.00
		25	0	21.47	21.34	21.55	23.00
	16QAM	1	0	21.86	21.83	21.85	23.00
		1	13	21.82	21.93	21.86	23.00
		1	24	21.75	22.06	21.97	23.00
		12	0	20.70	20.49	20.44	22.00
		12	6	20.35	20.49	20.36	22.00
		12	13	20.32	20.33	20.46	22.00
		25	0	20.40	20.67	20.46	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
10MHz	QPSK	1	0	/	22.72	/	24.00
		1	25	/	22.35	/	24.00
		1	49	/	22.49	/	24.00
		25	0	/	21.5	/	23.00
		25	13	/	21.47	/	23.00
		25	25	/	21.38	/	23.00
		50	0	/	21.28	/	23.00



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	16QAM	1	0	/	21.87	/	23.00
		1	25	/	21.94	/	23.00
		1	49	/	22.06	/	23.00
		25	0	/	20.55	/	22.00
		25	13	/	20.48	/	22.00
		25	25	/	20.27	/	22.00
		50	0	/	20.58	/	22.00

LTE Band 71				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133147	133322	133447	
5MHz	QPSK	1	0	22.95	23.02	23.00	24.00
		1	13	22.70	22.73	22.57	24.00
		1	24	22.54	22.84	22.65	24.00
		12	0	21.74	21.63	21.83	23.00
		12	6	21.57	21.86	21.96	23.00
		12	13	21.80	21.70	21.54	23.00
	16QAM	25	0	21.68	21.65	21.87	23.00
		1	0	22.08	22.09	22.18	23.00
		1	13	22.09	22.27	22.17	23.00
		1	24	22.02	22.38	22.32	23.00
		12	0	21.00	20.82	20.65	22.00
		12	6	20.70	20.77	20.71	22.00
		12	13	20.72	20.62	20.63	22.00
		25	0	20.78	20.93	20.85	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133172	133322	133422	
10MHz	QPSK	1	0	22.90	22.91	22.92	24.00
		1	25	22.60	22.68	22.56	24.00
		1	49	22.65	22.76	22.57	24.00
		25	0	21.77	21.71	21.76	23.00
		25	13	21.63	21.77	21.82	23.00
		25	25	21.85	21.71	21.50	23.00
		50	0	21.66	21.61	21.87	23.00
	16QAM	1	0	22.16	22.09	22.15	23.00
		1	25	22.02	22.26	22.18	23.00
		1	49	22.09	22.37	22.25	23.00
		25	0	20.91	20.88	20.65	22.00
		25	13	20.60	20.85	20.72	22.00
		25	25	20.71	20.71	20.63	22.00
		50	0	20.76	20.89	20.71	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133197	133322	133397	
15MHz	QPSK	1	0	22.93	23.00	22.93	24.00
		1	38	22.60	22.77	22.68	24.00
		1	74	22.59	22.76	22.61	24.00
		36	0	21.80	21.75	21.79	23.00
		36	18	21.67	21.87	21.87	23.00
		36	39	21.87	21.69	21.57	23.00
		75	0	21.74	21.66	21.83	23.00
	16QAM	1	0	22.10	22.14	22.14	23.00
		1	38	22.07	22.22	22.13	23.00
		1	74	22.04	22.39	22.30	23.00
		36	0	20.96	20.79	20.67	22.00
		36	18	20.71	20.84	20.65	22.00
		36	39	20.74	20.69	20.74	22.00
		75	0	20.83	20.92	20.71	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133222	133322	133372	



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20MHz	QPSK	1	0	22.89	23.04	22.96	24.00
		1	50	22.65	22.73	22.66	24.00
		1	99	22.61	22.78	22.67	24.00
		50	0	21.72	21.94	21.72	23.00
		50	25	21.60	21.86	21.92	23.00
		50	50	21.77	21.75	21.50	23.00
		100	0	21.69	21.70	21.85	23.00
	16QAM	1	0	22.15	22.07	22.19	23.00
		1	50	22.15	22.28	22.08	23.00
		1	99	22.12	22.30	22.30	23.00
		50	0	20.88	20.90	20.74	22.00
		50	25	20.67	20.83	20.72	22.00
		50	50	20.71	20.65	20.75	22.00
		100	0	20.83	20.83	20.78	22.00

LTE Band 66				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 131979	Channel 132322	Channel 132665	Tune up
1.4MHz	QPSK	1	0	22.53	22.39	22.48	24.00
		1	2	22.29	22.59	22.49	24.00
		1	5	22.52	22.48	22.56	24.00
		3	0	22.52	22.44	22.49	24.00
		3	1	22.64	22.37	22.63	24.00
		3	3	22.51	22.49	22.60	24.00
		6	0	21.66	21.62	21.56	23.00
	16QAM	1	0	21.83	21.93	21.90	23.00
		1	2	21.81	21.82	21.60	23.00
		1	5	21.88	21.78	21.90	23.00
		3	0	21.68	21.75	21.79	23.00
		3	1	21.64	21.73	21.74	23.00
		3	3	21.57	21.80	21.72	23.00
		6	0	20.53	20.55	20.66	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 131987	Channel 132322	Channel 132657	Tune up
3MHz	QPSK	1	0	23.00	22.96	22.97	24.00
		1	7	22.67	22.71	22.59	24.00
		1	14	22.55	22.85	22.65	24.00
		8	0	21.74	21.62	21.72	23.00
		8	4	21.68	21.79	21.83	23.00
		8	7	21.82	21.76	21.50	23.00
		15	0	21.80	21.63	21.85	23.00
	16QAM	1	0	22.04	22.16	22.11	23.00
		1	7	22.12	22.27	22.15	23.00
		1	14	22.06	22.38	22.21	23.00
		8	0	20.96	20.91	20.74	22.00
		8	4	20.61	20.81	20.66	22.00
		8	7	20.73	20.63	20.71	22.00
		15	0	20.82	20.84	20.79	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 131997	Channel 132322	Channel 132647	Tune up
5MHz	QPSK	1	0	22.92	23.04	23.03	24.00
		1	13	22.62	22.67	22.55	24.00
		1	24	22.63	22.83	22.68	24.00
		12	0	21.74	21.75	21.73	23.00
		12	6	21.63	21.90	21.92	23.00
		12	13	21.85	21.77	21.56	23.00
		25	0	21.81	21.58	21.85	23.00
	16QAM	1	0	22.11	22.12	22.17	23.00
		1	13	22.08	22.26	22.11	23.00
		1	24	22.01	22.36	22.27	23.00
		12	0	20.97	20.84	20.73	22.00
		12	6	20.66	20.78	20.74	22.00



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		12	13	20.74	20.59	20.71	22.00
		25	0	20.74	20.84	20.81	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	22.96	22.93	22.94	24.00
		1	25	22.71	22.78	22.68	24.00
		1	49	22.55	22.78	22.67	24.00
		25	0	21.71	21.69	21.84	23.00
		25	13	21.59	21.83	21.91	23.00
		25	25	21.73	21.70	21.51	23.00
		50	0	21.78	21.70	21.85	23.00
	16QAM	1	0	22.05	22.15	22.08	23.00
		1	25	22.14	22.30	22.06	23.00
		1	49	22.00	22.41	22.28	23.00
		25	0	20.93	20.86	20.70	22.00
		25	13	20.69	20.72	20.70	22.00
		25	25	20.75	20.61	20.71	22.00
		50	0	20.71	20.95	20.70	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	22.97	22.96	23.00	24.00
		1	38	22.68	22.76	22.64	24.00
		1	74	22.66	22.70	22.58	24.00
		36	0	21.72	21.65	21.80	23.00
		36	18	21.59	21.79	21.89	23.00
		36	39	21.80	21.71	21.51	23.00
		75	0	21.67	21.65	21.83	23.00
	16QAM	1	0	22.03	22.05	22.17	23.00
		1	38	22.03	22.23	22.08	23.00
		1	74	22.05	22.37	22.30	23.00
		36	0	20.96	20.92	20.74	22.00
		36	18	20.66	20.81	20.71	22.00
		36	39	20.74	20.65	20.73	22.00
		75	0	20.69	20.97	20.80	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.01	23.11	23.02	24.00
		1	50	22.83	22.78	22.70	24.00
		1	99	22.76	22.81	22.73	24.00
		50	0	21.93	22.00	21.86	23.00
		50	25	21.72	21.98	21.96	23.00
		50	50	21.97	21.85	21.59	23.00
		100	0	21.82	21.79	21.87	23.00
	16QAM	1	0	22.28	22.19	22.15	23.00
		1	50	22.25	22.33	22.15	23.00
		1	99	22.10	22.54	22.38	23.00
		50	0	21.03	21.01	20.74	22.00
		50	25	20.83	20.95	20.75	22.00
		50	50	20.73	20.74	20.75	22.00
		100	0	20.81	21.02	20.80	22.00

LTE Band 38				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	22.56	22.52	22.55	24.00
		1	13	22.24	22.27	22.18	24.00
		1	24	22.23	22.36	22.28	24.00
		12	0	21.30	21.33	21.44	23.00
		12	6	21.30	21.36	21.46	23.00
		12	13	21.37	21.29	21.10	23.00
		25	0	21.40	21.23	21.45	23.00
	16QAM	1	0	21.63	21.79	21.77	23.00



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		1	13	21.68	21.87	21.75	23.00
		1	24	21.72	21.99	21.86	23.00
		12	0	20.61	20.48	20.31	22.00
		12	6	20.26	20.43	20.37	22.00
		12	13	20.27	20.21	20.32	22.00
		25	0	20.38	20.57	20.31	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up
10MHz	QPSK	1	0	22.53	22.59	22.52	24.00
		1	25	22.20	22.36	22.20	24.00
		1	49	22.24	22.44	22.26	24.00
		25	0	21.43	21.30	21.42	23.00
		25	13	21.29	21.48	21.45	23.00
		25	25	21.38	21.34	21.08	23.00
	16QAM	50	0	21.32	21.16	21.43	23.00
		1	0	21.77	21.73	21.74	23.00
		1	25	21.62	21.81	21.72	23.00
		1	49	21.68	21.97	21.91	23.00
		25	0	20.51	20.40	20.34	22.00
		25	13	20.30	20.42	20.30	22.00
15MHz	QPSK	25	25	20.28	20.22	20.32	22.00
		50	0	20.34	20.54	20.31	22.00
	16QAM	1	0	22.56	22.61	22.49	24.00
		1	38	22.32	22.29	22.17	24.00
		1	74	22.22	22.39	22.21	24.00
		36	0	21.40	21.30	21.37	23.00
	16QAM	36	18	21.28	21.39	21.43	23.00
		36	39	21.48	21.37	21.09	23.00
		75	0	21.35	21.20	21.38	23.00
		1	0	21.70	21.71	21.76	23.00
		1	38	21.70	21.82	21.79	23.00
		1	74	21.74	21.92	21.79	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
20MHz	QPSK	36	0	20.54	20.40	20.31	22.00
		36	18	20.29	20.43	20.31	22.00
		36	39	20.36	20.28	20.29	22.00
		75	0	20.31	20.44	20.36	22.00
	16QAM	1	0	22.50	22.62	22.55	24.00
		1	50	22.20	22.28	22.27	24.00
		1	99	22.17	22.35	22.28	24.00
		50	0	21.36	21.53	21.45	23.00
		50	25	21.24	21.47	21.52	23.00
		50	50	21.41	21.32	21.07	23.00
20MHz	QPSK	100	0	21.29	21.25	21.49	23.00
		1	0	21.77	21.70	21.75	23.00
		1	50	21.63	21.90	21.74	23.00
		1	99	21.69	21.92	21.86	23.00
		50	0	20.57	20.42	20.22	22.00
		50	25	20.27	20.37	20.32	22.00
	16QAM	50	50	20.33	20.18	20.31	22.00
		100	0	20.28	20.52	20.35	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up

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LTE Band 41				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	22.75	22.73	22.73	22.73	22.68	24.00
		1	13	22.43	22.48	22.45	22.47	22.45	24.00
		1	24	22.41	22.6	22.62	22.47	22.41	24.00
		12	0	21.54	21.44	21.53	21.56	21.5	23.00
		12	6	21.49	21.61	21.67	21.38	21.4	23.00
		12	13	21.6	21.55	21.5	21.62	21.67	23.00
		25	0	21.5	21.51	21.45	21.57	21.55	23.00
	16QAM	1	0	21.83	21.89	21.99	21.97	21.88	23.00
		1	13	21.82	22.01	22.07	21.92	21.9	23.00
		1	24	21.93	22.15	22.13	21.89	21.84	23.00
		12	0	20.76	20.67	20.66	20.69	20.74	22.00
		12	6	20.47	20.53	20.65	20.49	20.48	22.00
		12	13	20.53	20.4	20.45	20.53	20.47	22.00
		25	0	20.55	20.76	20.64	20.56	20.57	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	22.75	22.7	22.75	22.73	22.71	24.00
		1	25	22.47	22.47	22.48	22.49	22.4	24.00
		1	49	22.45	22.56	22.61	22.47	22.46	24.00
		25	0	21.53	21.43	21.49	21.57	21.5	23.00
		25	13	21.43	21.57	21.63	21.39	21.37	23.00
		25	25	21.59	21.61	21.6	21.66	21.63	23.00
		50	0	21.58	21.51	21.37	21.47	21.57	23.00
	16QAM	1	0	21.9	21.92	21.96	21.94	21.95	23.00
		1	25	21.83	22.11	22.09	21.91	21.95	23.00
		1	49	21.9	22.13	22.22	21.92	21.91	23.00
		25	0	20.69	20.61	20.63	20.73	20.78	22.00
		25	13	20.48	20.63	20.65	20.53	20.42	22.00
		25	25	20.51	20.44	20.38	20.47	20.49	22.00
		50	0	20.51	20.7	20.77	20.55	20.51	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	22.81	22.72	22.71	22.7	22.75	24.00
		1	38	22.47	22.55	22.51	22.42	22.48	24.00
		1	74	22.43	22.53	22.63	22.47	22.41	24.00
		36	0	21.51	21.44	21.44	21.63	21.56	23.00
		36	18	21.44	21.66	21.65	21.5	21.45	23.00
		36	39	21.58	21.55	21.58	21.65	21.56	23.00
		75	0	21.61	21.49	21.49	21.55	21.58	23.00
	16QAM	1	0	21.88	21.89	21.99	21.83	21.86	23.00
		1	38	21.85	22.06	22.02	21.82	21.94	23.00
		1	74	21.9	22.14	22.2	21.81	21.8	23.00
		36	0	20.79	20.72	20.6	20.7	20.79	22.00
		36	18	20.49	20.57	20.59	20.47	20.42	22.00
		36	39	20.49	20.39	20.37	20.5	20.53	22.00
		75	0	20.55	20.64	20.65	20.55	20.62	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	22.76	22.74	22.83	22.76	22.7	24.00
		1	50	22.38	22.52	22.55	22.45	22.5	24.00
		1	99	22.39	22.54	22.55	22.46	22.35	24.00
		50	0	21.57	21.42	21.62	21.61	21.59	23.00
		50	25	21.36	21.61	21.57	21.44	21.43	23.00
		50	50	21.57	21.55	21.6	21.67	21.58	23.00
		100	0	21.52	21.49	21.39	21.6	21.61	23.00
	16QAM	1	0	21.86	21.91	21.94	21.93	21.98	23.00
		1	50	21.86	22.07	22.08	21.9	21.97	23.00
		1	99	21.85	22.11	22.14	21.88	21.93	23.00
		50	0	20.78	20.62	20.61	20.7	20.77	22.00



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		50	25	20.48	20.53	20.6	20.52	20.41	22.00
		50	50	20.42	20.42	20.52	20.49	20.47	22.00
		100	0	20.52	20.67	20.76	20.51	20.63	22.00



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Sensor on:

LTE Band 2 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	11.81	11.96	11.93	13.00
		1	2	11.71	11.69	11.80	13.00
		1	5	11.70	11.77	11.72	13.00
		3	0	11.85	11.79	11.76	13.00
		3	1	11.76	11.85	11.73	13.00
		3	3	11.72	11.69	11.82	13.00
		6	0	11.84	11.87	11.76	13.00
	16QAM	1	0	11.77	11.73	11.66	13.00
		1	2	11.81	11.71	11.67	13.00
		1	5	11.76	11.76	11.79	13.00
		3	0	11.66	11.71	11.71	13.00
		3	1	11.69	11.78	11.71	13.00
		3	3	11.73	11.76	11.70	13.00
		6	0	11.70	11.75	11.66	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	11.84	11.90	11.89	13.00
		1	7	11.72	11.82	11.77	13.00
		1	14	11.67	11.76	11.71	13.00
		8	0	11.85	11.90	11.84	13.00
		8	4	11.74	11.73	11.64	13.00
		8	7	11.69	11.74	11.75	13.00
		15	0	11.82	11.79	11.82	13.00
	16QAM	1	0	11.85	11.81	11.78	13.00
		1	7	11.80	11.80	11.78	13.00
		1	14	11.74	11.72	11.79	13.00
		8	0	11.78	11.73	11.71	13.00
		8	4	11.73	11.73	11.78	13.00
		8	7	11.76	11.74	11.73	13.00
		15	0	11.70	11.73	11.67	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	11.86	11.99	11.86	13.00
		1	13	11.72	11.79	11.79	13.00
		1	24	11.76	11.71	11.73	13.00
		12	0	11.96	11.81	11.81	13.00
		12	6	11.70	11.84	11.66	13.00
		12	13	11.69	11.70	11.75	13.00
		25	0	11.85	11.87	11.83	13.00
	16QAM	1	0	11.76	11.72	11.80	13.00
		1	13	11.81	11.83	11.70	13.00
		1	24	11.67	11.67	11.71	13.00
		12	0	11.67	11.74	11.65	13.00
		12	6	11.70	11.76	11.70	13.00
		12	13	11.74	11.76	11.71	13.00
		25	0	11.75	11.80	11.72	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	11.85	12.01	11.83	13.00
		1	25	11.73	11.77	11.68	13.00
		1	49	11.67	11.77	11.73	13.00
		25	0	11.97	11.82	11.77	13.00
		25	13	11.76	11.85	11.70	13.00
		25	25	11.77	11.75	11.74	13.00
		50	0	11.73	11.79	11.73	13.00



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	16QAM	1	0	11.74	11.82	11.79	13.00
		1	25	11.83	11.81	11.73	13.00
		1	49	11.72	11.72	11.81	13.00
		25	0	11.77	11.70	11.61	13.00
		25	13	11.72	11.82	11.75	13.00
		25	25	11.70	11.78	11.76	13.00
		50	0	11.69	11.79	11.70	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	11.88	11.92	11.88	13.00
		1	38	11.73	11.80	11.76	13.00
		1	74	11.64	11.74	11.71	13.00
		36	0	11.90	11.87	11.86	13.00
		36	18	11.71	11.77	11.75	13.00
		36	39	11.69	11.68	11.77	13.00
		75	0	11.70	11.90	11.73	13.00
	16QAM	1	0	11.81	11.79	11.80	13.00
		1	38	11.80	11.80	11.68	13.00
		1	74	11.71	11.76	11.76	13.00
		36	0	11.80	11.68	11.66	13.00
		36	18	11.67	11.73	11.77	13.00
		36	39	11.72	11.82	11.68	13.00
		75	0	11.72	11.79	11.62	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	11.79	12.00	11.90	13.00
		1	50	11.74	11.76	11.78	13.00
		1	99	11.69	11.80	11.76	13.00
		50	0	11.85	11.92	11.80	13.00
		50	25	11.75	11.81	11.69	13.00
		50	50	11.78	11.72	11.75	13.00
		100	0	11.72	11.79	11.72	13.00
	16QAM	1	0	11.74	11.86	11.72	13.00
		1	50	11.84	11.79	11.67	13.00
		1	99	11.76	11.70	11.70	13.00
		50	0	11.76	11.71	11.70	13.00
		50	25	11.72	11.72	11.72	13.00
		50	50	11.76	11.84	11.75	13.00
		100	0	11.76	11.82	11.65	13.00

LTE Band 4 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	15.29	15.22	15.23	16.00
		1	2	14.90	14.97	14.99	16.00
		1	5	14.85	14.97	14.88	16.00
		3	0	15.11	15.01	14.98	16.00
		3	1	14.95	14.98	14.94	16.00
		3	3	14.97	15.00	14.89	16.00
	16QAM	6	0	15.01	15.09	14.97	16.00
		1	0	15.00	14.99	14.95	16.00
		1	2	14.90	15.01	14.92	16.00
		1	5	14.95	15.02	15.00	16.00
		3	0	14.99	14.92	14.90	16.00
		3	1	14.86	15.01	14.86	16.00
3MHz	QPSK	1	0	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	15.23	15.18	15.29	16.00



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		1	7	15.04	14.88	15.01	16.00
		1	14	14.90	14.96	14.93	16.00
		8	0	15.19	15.08	15.09	16.00
		8	4	14.89	14.98	14.95	16.00
		8	7	14.86	14.99	14.89	16.00
		15	0	14.99	15.05	15.02	16.00
	16QAM	1	0	14.94	14.98	14.85	16.00
		1	7	14.90	14.98	14.86	16.00
		1	14	14.85	15.00	14.93	16.00
		8	0	14.90	14.88	14.93	16.00
		8	4	14.84	14.94	14.98	16.00
		8	7	15.02	15.00	14.93	16.00
		15	0	14.96	15.03	14.81	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	15.19	15.30	15.31	16.00
		1	13	14.93	14.92	14.98	16.00
		1	24	14.96	14.99	14.94	16.00
		12	0	15.05	15.03	15.06	16.00
		12	6	14.94	15.02	14.82	16.00
		12	13	14.91	14.86	14.93	16.00
		25	0	14.95	15.02	15.01	16.00
	16QAM	1	0	15.03	15.02	14.94	16.00
		1	13	14.94	15.04	14.91	16.00
		1	24	14.91	14.89	14.89	16.00
		12	0	14.90	14.92	14.91	16.00
		12	6	14.93	14.97	15.00	16.00
		12	13	14.95	14.97	15.01	16.00
		25	0	14.90	15.04	14.94	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	15.15	15.28	15.26	16.00
		1	25	14.96	14.97	14.91	16.00
		1	49	14.88	14.94	14.94	16.00
		25	0	15.13	15.04	15.01	16.00
		25	13	14.88	14.99	14.95	16.00
		25	25	14.84	14.88	15.03	16.00
		50	0	14.97	15.03	14.90	16.00
	16QAM	1	0	15.05	14.94	14.95	16.00
		1	25	14.90	14.94	14.97	16.00
		1	49	14.92	14.93	14.93	16.00
		25	0	14.92	14.87	14.89	16.00
		25	13	14.84	14.95	14.89	16.00
		25	25	15.01	14.98	14.88	16.00
		50	0	14.99	14.99	14.81	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	15.17	15.23	15.23	16.00
		1	38	15.01	14.95	14.92	16.00
		1	74	14.94	14.86	14.98	16.00
		36	0	15.06	15.06	14.96	16.00
		36	18	14.91	14.98	14.93	16.00
		36	39	14.87	14.88	14.91	16.00
		75	0	14.98	15.05	14.92	16.00
	16QAM	1	0	14.99	14.99	14.92	16.00
		1	38	14.94	15.01	14.87	16.00
		1	74	14.87	14.93	14.88	16.00
		36	0	14.94	15.00	14.89	16.00
		36	18	14.92	15.05	14.94	16.00
		36	39	15.01	15.05	14.94	16.00
		75	0	14.93	14.95	14.90	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	



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20MHz	QPSK	1	0	15.26	15.23	15.34	16.00
		1	50	14.95	14.98	14.89	16.00
		1	99	14.97	14.92	14.96	16.00
		50	0	15.18	15.06	14.98	16.00
		50	25	14.93	15.00	14.85	16.00
		50	50	14.85	14.89	15.03	16.00
		100	0	14.93	15.04	14.95	16.00
	16QAM	1	0	14.94	15.01	14.89	16.00
		1	50	14.92	14.97	14.94	16.00
		1	99	14.97	15.00	14.88	16.00
		50	0	14.91	14.87	14.82	16.00
		50	25	14.98	14.92	14.91	16.00
		50	50	15.00	14.93	14.87	16.00
		100	0	14.94	14.94	14.95	16.00

LTE Band 5 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	20.00	20.15	20.10	21.00
		1	2	19.94	19.89	19.91	21.00
		1	5	19.84	20.00	19.85	21.00
		3	0	20.07	20.12	20.05	21.00
		3	2	19.85	19.98	19.86	21.00
		3	3	19.86	19.91	19.92	21.00
		6	0	19.90	20.00	19.90	21.00
	16QAM	1	0	20.03	20.01	19.95	21.00
		1	2	19.97	19.94	19.97	21.00
		1	5	19.85	20.01	20.00	21.00
		3	0	19.95	19.97	19.93	21.00
		3	2	19.99	20.00	19.92	21.00
		3	3	19.92	19.93	19.86	21.00
		6	0	19.95	20.03	19.86	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	20.06	20.11	20.11	21.00
		1	7	19.91	19.95	19.93	21.00
		1	14	19.98	19.92	19.89	21.00
		8	0	20.11	20.09	20.03	21.00
		8	4	19.97	20.03	19.89	21.00
		8	7	19.92	19.99	19.96	21.00
		15	0	20.02	20.12	20.02	21.00
	16QAM	1	0	19.92	20.06	19.96	21.00
		1	7	20.01	20.02	19.94	21.00
		1	14	19.95	20.00	19.89	21.00
		8	0	19.96	19.85	19.86	21.00
		8	4	19.92	20.01	19.94	21.00
		8	7	20.04	19.95	19.95	21.00
		15	0	19.99	19.96	19.88	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	19.97	20.11	20.04	21.00
		1	13	19.97	19.92	19.92	21.00
		1	24	19.91	19.91	19.90	21.00
		12	0	20.10	20.00	19.99	21.00
		12	6	19.89	20.04	19.81	21.00
		12	13	19.98	19.88	19.90	21.00
		25	0	19.94	20.00	19.93	21.00
	16QAM	1	0	19.99	20.05	19.87	21.00
		1	13	19.95	20.00	19.84	21.00



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		1	24	19.88	19.92	19.90	21.00
		12	0	19.90	19.93	19.89	21.00
		12	6	19.87	19.99	19.92	21.00
		12	13	20.03	20.05	20.00	21.00
		25	0	19.97	19.91	19.80	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	20.05	20.18	20.03	21.00
		1	25	19.95	19.95	19.93	21.00
		1	49	19.97	19.91	19.89	21.00
		25	0	20.09	20.09	20.06	21.00
		25	13	19.97	19.97	19.93	21.00
		25	25	19.87	19.98	20.01	21.00
		50	0	19.95	20.04	20.01	21.00
	16QAM	1	0	19.91	19.98	19.90	21.00
		1	25	19.98	19.91	19.94	21.00
		1	49	19.92	19.99	19.96	21.00
		25	0	19.90	19.93	19.90	21.00
		25	13	19.97	19.96	19.88	21.00
		25	25	19.97	19.92	19.98	21.00
		50	0	19.87	19.98	19.89	21.00

LTE Band 7 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	13.77	13.92	13.87	15.00
		1	13	13.73	13.69	13.80	15.00
		1	24	13.74	13.66	13.73	15.00
		12	0	13.88	13.89	13.84	15.00
		12	6	13.63	13.78	13.65	15.00
		12	13	13.70	13.66	13.70	15.00
		25	0	13.76	13.86	13.71	15.00
	16QAM	1	0	13.80	13.84	13.68	15.00
		1	13	13.74	13.82	13.68	15.00
		1	24	13.74	13.81	13.79	15.00
		12	0	13.75	13.69	13.65	15.00
		12	6	13.75	13.81	13.71	15.00
		12	13	13.80	13.78	13.72	15.00
		25	0	13.67	13.79	13.69	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	13.76	13.89	13.82	15.00
		1	25	13.81	13.80	13.76	15.00
		1	49	13.67	13.79	13.79	15.00
		25	0	13.88	13.79	13.77	15.00
		25	13	13.74	13.75	13.74	15.00
		25	25	13.76	13.76	13.82	15.00
		50	0	13.85	13.83	13.80	15.00
	16QAM	1	0	13.84	13.85	13.69	15.00
		1	25	13.80	13.74	13.66	15.00
		1	49	13.71	13.73	13.77	15.00
		25	0	13.68	13.78	13.65	15.00
		25	13	13.69	13.79	13.77	15.00
		25	25	13.73	13.77	13.75	15.00
		50	0	13.75	13.85	13.64	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	13.76	13.98	13.95	15.00
		1	38	13.82	13.76	13.66	15.00



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		1	74	13.73	13.65	13.73	15.00
		36	0	13.85	13.82	13.81	15.00
		36	18	13.73	13.80	13.74	15.00
		36	39	13.68	13.77	13.80	15.00
		75	0	13.78	13.80	13.78	15.00
	16QAM	1	0	13.72	13.87	13.77	15.00
		1	38	13.84	13.77	13.70	15.00
		1	74	13.65	13.70	13.75	15.00
		36	0	13.76	13.76	13.60	15.00
		36	18	13.71	13.79	13.73	15.00
		36	39	13.80	13.77	13.80	15.00
		75	0	13.67	13.75	13.63	15.00
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Tune up
					20850	21100	
20MHz	QPSK	1	0	13.86	14.00	13.91	15.00
		1	50	13.90	13.78	13.89	15.00
		1	99	13.80	13.78	13.82	15.00
		50	0	13.95	13.96	13.94	15.00
		50	25	13.73	13.83	13.76	15.00
		50	50	13.79	13.82	13.88	15.00
		100	0	13.90	13.91	13.84	15.00
	16QAM	1	0	13.90	13.96	13.85	15.00
		1	50	13.83	13.85	13.88	15.00
		1	99	13.78	13.85	13.88	15.00
		50	0	13.81	13.84	13.77	15.00
		50	25	13.88	13.83	13.91	15.00
		50	50	13.92	13.82	13.90	15.00
		100	0	13.87	13.91	13.75	15.00



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LTE Band 7 Sensor on For Simultaneous				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	12.79	12.90	12.88	14.00
		1	13	12.76	12.76	12.87	14.00
		1	24	12.71	12.73	12.79	14.00
		12	0	12.83	12.94	12.87	14.00
		12	6	12.73	12.71	12.64	14.00
		12	13	12.66	12.76	12.74	14.00
	16QAM	25	0	12.77	12.85	12.71	14.00
		1	0	12.87	12.82	12.80	14.00
		1	13	12.82	12.80	12.81	14.00
		1	24	12.71	12.84	12.76	14.00
		12	0	12.71	12.82	12.63	14.00
		12	6	12.84	12.80	12.89	14.00
		12	13	12.88	12.72	12.86	14.00
		25	0	12.85	12.89	12.62	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	12.76	12.94	12.89	14.00
		1	25	12.76	12.66	12.88	14.00
		1	49	12.79	12.70	12.70	14.00
		25	0	12.80	12.89	12.85	14.00
		25	13	12.59	12.77	12.68	14.00
		25	25	12.75	12.80	12.88	14.00
	16QAM	50	0	12.84	12.82	12.72	14.00
		1	0	12.83	12.88	12.72	14.00
		1	25	12.71	12.77	12.76	14.00
		1	49	12.67	12.74	12.87	14.00
		25	0	12.76	12.69	12.68	14.00
		25	13	12.87	12.81	12.91	14.00
		25	25	12.89	12.79	12.77	14.00
		50	0	12.84	12.87	12.61	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	12.75	12.88	12.82	14.00
		1	38	12.88	12.63	12.80	14.00
		1	74	12.79	12.75	12.75	14.00
		36	0	12.86	12.86	12.79	14.00
		36	18	12.63	12.72	12.73	14.00
		36	39	12.67	12.70	12.84	14.00
	16QAM	75	0	12.86	12.84	12.70	14.00
		1	0	12.84	12.92	12.81	14.00
		1	38	12.76	12.75	12.75	14.00
		1	74	12.72	12.84	12.80	14.00
		36	0	12.72	12.74	12.64	14.00
		36	18	12.87	12.75	12.83	14.00
		36	39	12.82	12.69	12.79	14.00
		75	0	12.87	12.83	12.64	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	12.92	13.08	12.92	14.00
		1	50	12.87	12.74	12.95	14.00
		1	99	12.88	12.83	12.87	14.00
		50	0	13.02	13.01	13.02	14.00
		50	25	12.75	12.89	12.86	14.00
		50	50	12.81	12.82	12.96	14.00
		100	0	12.90	12.96	12.89	14.00
	16QAM	1	0	12.96	12.94	12.95	14.00



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		1	50	12.85	12.90	12.98	14.00
		1	99	12.85	12.90	12.97	14.00
		50	0	12.91	12.81	12.84	14.00
		50	25	12.85	12.89	12.89	14.00
		50	50	13.00	12.85	12.98	14.00
		100	0	12.95	12.98	12.71	14.00

LTE FDD Band 12 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	18.67	18.76	18.70	20.00
		1	2	18.53	18.55	18.58	20.00
		1	5	18.54	18.58	18.59	20.00
		3	0	18.70	18.60	18.68	20.00
		3	2	18.44	18.63	18.50	20.00
		3	3	18.48	18.52	18.53	20.00
		6	0	18.60	18.65	18.51	20.00
	16QAM	1	0	18.54	18.63	18.55	20.00
		1	2	18.51	18.63	18.46	20.00
		1	5	18.47	18.51	18.55	20.00
		3	0	18.50	18.48	18.40	20.00
		3	2	18.57	18.61	18.60	20.00
		3	3	18.59	18.56	18.55	20.00
		6	0	18.46	18.53	18.53	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	18.66	18.74	18.66	20.00
		1	7	18.52	18.54	18.59	20.00
		1	14	18.54	18.53	18.47	20.00
		8	0	18.72	18.69	18.64	20.00
		8	4	18.55	18.54	18.48	20.00
		8	7	18.44	18.59	18.54	20.00
		15	0	18.58	18.72	18.52	20.00
	16QAM	1	0	18.53	18.60	18.52	20.00
		1	7	18.58	18.58	18.44	20.00
		1	14	18.59	18.52	18.49	20.00
		8	0	18.52	18.57	18.48	20.00
		8	4	18.49	18.61	18.52	20.00
		8	7	18.59	18.56	18.49	20.00
		15	0	18.50	18.54	18.55	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 23035	Channel 23095	Channel 23155	Tune up
5MHz	QPSK	1	0	18.63	18.82	18.70	20.00
		1	13	18.52	18.53	18.47	20.00
		1	24	18.51	18.50	18.59	20.00
		12	0	18.71	18.68	18.68	20.00
		12	6	18.44	18.63	18.46	20.00
		12	13	18.49	18.55	18.50	20.00
		25	0	18.62	18.68	18.60	20.00
	16QAM	1	0	18.51	18.66	18.50	20.00
		1	13	18.64	18.64	18.48	20.00
		1	24	18.52	18.52	18.57	20.00
		12	0	18.56	18.55	18.42	20.00
		12	6	18.57	18.62	18.53	20.00
		12	13	18.56	18.57	18.51	20.00
		25	0	18.47	18.66	18.55	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 23060	Channel 23095	Channel 23130	Tune up
10MHz	QPSK	1	0	18.99	19.05	19.00	20.00
		1	25	18.83	18.82	18.87	20.00
		1	49	18.82	18.76	18.81	20.00
		25	0	18.96	18.97	18.89	20.00



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		25	13	18.85	18.93	18.85	20.00
		25	25	18.78	18.81	18.83	20.00
		50	0	18.82	18.98	18.88	20.00
	16QAM	1	0	18.86	18.92	18.83	20.00
		1	25	18.86	18.79	18.80	20.00
		1	49	18.81	18.87	18.77	20.00
		25	0	18.89	18.79	18.69	20.00
		25	13	18.81	18.93	18.80	20.00
		25	25	18.82	18.87	18.78	20.00
		50	0	18.77	18.81	18.79	20.00



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LTE FDD Band 13 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	18.81	18.96	18.92	20.00
		1	13	18.73	18.82	18.80	20.00
		1	24	18.76	18.77	18.79	20.00
		12	0	18.86	18.79	18.80	20.00
		12	6	18.71	18.82	18.63	20.00
		12	13	18.79	18.74	18.72	20.00
		25	0	18.82	18.89	18.78	20.00
	16QAM	1	0	18.82	18.75	18.73	20.00
		1	13	18.77	18.71	18.73	20.00
		1	24	18.66	18.71	18.68	20.00
		12	0	18.81	18.68	18.66	20.00
		12	6	18.65	18.80	18.73	20.00
		12	13	18.75	18.84	18.75	20.00
		25	0	18.79	18.81	18.63	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23230	/	20.00
		1	25	/	18.74	/	20.00
		1	49	/	18.67	/	20.00
		25	0	/	18.77	/	20.00
		25	13	/	18.66	/	20.00
		25	25	/	18.75	/	20.00
		50	0	/	18.77	/	20.00
	16QAM	1	0	/	18.72	/	20.00
		1	25	/	18.73	/	20.00
		1	49	/	18.67	/	20.00
		25	0	/	18.62	/	20.00
		25	13	/	18.76	/	20.00
		25	25	/	18.67	/	20.00
		50	0	/	18.75	/	20.00



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LTE FDD Band 17 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	18.63	18.72	18.68	20.00
		1	13	18.60	18.49	18.52	20.00
		1	24	18.50	18.54	18.52	20.00
		12	0	18.72	18.69	18.56	20.00
		12	6	18.42	18.61	18.54	20.00
		12	13	18.52	18.56	18.61	20.00
		25	0	18.51	18.62	18.63	20.00
	16QAM	1	0	18.62	18.61	18.55	20.00
		1	13	18.55	18.57	18.50	20.00
		1	24	18.49	18.51	18.47	20.00
		12	0	18.60	18.49	18.43	20.00
		12	6	18.57	18.55	18.57	20.00
		12	13	18.62	18.59	18.51	20.00
		25	0	18.57	18.62	18.52	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	18.67	18.82	18.62	20.00
		1	25	18.56	18.60	18.58	20.00
		1	49	18.59	18.50	18.58	20.00
		25	0	18.70	18.65	18.63	20.00
		25	13	18.47	18.66	18.50	20.00
		25	25	18.45	18.53	18.56	20.00
		50	0	18.63	18.67	18.53	20.00
	16QAM	1	0	18.59	18.59	18.58	20.00
		1	25	18.63	18.50	18.47	20.00
		1	49	18.52	18.49	18.48	20.00
		25	0	18.56	18.59	18.40	20.00
		25	13	18.47	18.52	18.60	20.00
		25	25	18.64	18.58	18.56	20.00
		50	0	18.59	18.54	18.50	20.00

LTE Band 25 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	11.80	11.90	11.94	13.00
		1	2	11.71	11.75	11.78	13.00
		1	5	11.74	11.65	11.79	13.00
		3	0	11.97	11.85	11.90	13.00
		3	1	11.63	11.83	11.61	13.00
		3	3	11.72	11.71	11.70	13.00
		6	0	11.80	11.81	11.73	13.00
	16QAM	1	0	11.82	11.82	11.67	13.00
		1	2	11.73	11.80	11.66	13.00
		1	5	11.72	11.68	11.67	13.00
		3	0	11.68	11.66	11.63	13.00
		3	1	11.68	11.74	11.74	13.00
		3	3	11.70	11.85	11.77	13.00
		6	0	11.72	11.73	11.65	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	11.83	11.98	11.85	13.00
		1	7	11.85	11.81	11.68	13.00
		1	14	11.70	11.70	11.73	13.00
		8	0	11.87	11.91	11.78	13.00
		8	4	11.75	11.77	11.66	13.00



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	16QAM	8	7	11.66	11.75	11.77	13.00
		15	0	11.79	11.78	11.75	13.00
		1	0	11.73	11.86	11.76	13.00
		1	7	11.75	11.75	11.77	13.00
		1	14	11.65	11.76	11.67	13.00
		8	0	11.66	11.68	11.65	13.00
		8	4	11.78	11.76	11.74	13.00
		8	7	11.75	11.75	11.77	13.00
		15	0	11.67	11.81	11.67	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	11.84	11.97	11.83	13.00
		1	13	11.80	11.79	11.77	13.00
		1	24	11.69	11.73	11.78	13.00
		12	0	11.92	11.78	11.80	13.00
		12	6	11.64	11.84	11.63	13.00
		12	13	11.67	11.69	11.69	13.00
		25	0	11.80	11.89	11.76	13.00
	16QAM	1	0	11.72	11.73	11.70	13.00
		1	13	11.80	11.83	11.76	13.00
		1	24	11.69	11.71	11.78	13.00
		12	0	11.76	11.78	11.65	13.00
		12	6	11.71	11.79	11.70	13.00
		12	13	11.77	11.73	11.75	13.00
		25	0	11.79	11.85	11.70	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	11.80	12.02	11.85	13.00
		1	25	11.78	11.81	11.71	13.00
		1	49	11.67	11.79	11.75	13.00
		25	0	11.91	11.85	11.84	13.00
		25	13	11.76	11.84	11.70	13.00
		25	25	11.75	11.73	11.83	13.00
		50	0	11.74	11.85	11.75	13.00
	16QAM	1	0	11.76	11.77	11.79	13.00
		1	25	11.75	11.74	11.74	13.00
		1	49	11.71	11.82	11.81	13.00
		25	0	11.74	11.72	11.71	13.00
		25	13	11.68	11.78	11.76	13.00
		25	25	11.73	11.79	11.74	13.00
		50	0	11.74	11.81	11.74	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	11.77	11.91	11.85	13.00
		1	38	11.70	11.69	11.78	13.00
		1	74	11.76	11.69	11.74	13.00
		36	0	11.94	11.90	11.79	13.00
		36	18	11.62	11.84	11.65	13.00
		36	39	11.74	11.69	11.78	13.00
		75	0	11.84	11.83	11.71	13.00
	16QAM	1	0	11.72	11.86	11.73	13.00
		1	38	11.76	11.83	11.78	13.00
		1	74	11.65	11.74	11.76	13.00
		36	0	11.73	11.74	11.73	13.00
		36	18	11.73	11.82	11.72	13.00
		36	39	11.84	11.83	11.73	13.00
		75	0	11.79	11.80	11.67	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	11.94	12.14	12.13	13.00
		1	50	11.93	11.99	12.00	13.00
		1	99	11.98	11.99	11.99	13.00
		50	0	12.11	12.13	12.09	13.00



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		50	25	11.86	11.99	11.86	13.00
		50	50	11.87	11.97	11.93	13.00
		100	0	11.91	12.08	12.03	13.00
	16QAM	1	0	12.00	11.92	11.98	13.00
		1	50	12.03	11.97	11.91	13.00
		1	99	11.97	11.98	11.98	13.00
		50	0	11.98	11.92	11.81	13.00
		50	25	11.94	11.95	11.99	13.00
		50	50	11.90	12.01	11.86	13.00
		100	0	11.98	12.01	11.92	13.00

LTE Band 26 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	20.08	20.22	20.06	21.00
		1	2	19.98	20.02	19.87	21.00
		1	5	19.89	19.97	19.97	21.00
		3	0	20.16	20.00	19.98	21.00
		3	2	19.92	19.92	19.90	21.00
		3	3	19.98	19.88	19.91	21.00
		6	0	19.96	20.03	19.98	21.00
	16QAM	1	0	19.95	19.96	19.87	21.00
		1	2	19.97	19.90	19.87	21.00
		1	5	19.95	19.95	19.90	21.00
		3	0	19.95	19.91	19.80	21.00
		3	2	19.90	19.91	19.97	21.00
		3	3	19.97	20.04	19.99	21.00
		6	0	19.95	20.00	19.89	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	20.08	20.18	20.03	21.00
		1	7	19.99	19.98	19.93	21.00
		1	14	19.88	19.95	19.91	21.00
		8	0	20.14	19.99	20.07	21.00
		8	4	19.90	20.03	19.90	21.00
		8	7	19.93	19.95	19.88	21.00
		15	0	19.95	19.99	19.89	21.00
	16QAM	1	0	20.02	20.02	19.99	21.00
		1	7	19.91	19.95	19.97	21.00
		1	14	19.88	19.97	19.97	21.00
		8	0	19.88	19.90	19.85	21.00
		8	4	19.91	19.93	19.88	21.00
		8	7	19.94	20.03	19.97	21.00
		15	0	19.92	19.92	19.90	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	19.99	20.18	20.08	21.00
		1	13	19.95	20.01	20.01	21.00
		1	24	19.97	19.93	19.98	21.00
		12	0	20.04	19.99	20.07	21.00
		12	6	19.95	20.03	19.86	21.00
		12	13	19.93	20.01	19.94	21.00
		25	0	19.93	20.02	19.97	21.00
	16QAM	1	0	19.96	20.03	19.88	21.00
		1	13	19.91	19.95	19.90	21.00
		1	24	19.85	19.91	19.87	21.00
		12	0	20.00	19.94	19.85	21.00
		12	6	19.84	20.01	20.00	21.00
		12	13	19.92	19.99	19.98	21.00



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		25	0	19.92	19.93	19.94	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	19.95	20.21	20.15	21.00
		1	25	19.92	19.97	20.00	21.00
		1	49	19.97	19.97	19.91	21.00
		25	0	20.11	20.09	19.97	21.00
		25	13	19.85	19.95	19.85	21.00
		25	25	19.91	19.92	20.01	21.00
		50	0	19.92	19.98	19.98	21.00
	16QAM	1	0	19.94	20.01	19.98	21.00
		1	25	20.04	19.94	19.93	21.00
		1	49	19.93	19.99	19.94	21.00
		25	0	20.00	19.96	19.91	21.00
		25	13	19.89	19.99	19.92	21.00
		25	25	19.92	20.00	19.92	21.00
		50	0	19.98	19.91	19.92	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26765	26865	26965	
15MHz	QPSK	1	0	20.19	20.40	20.29	21.00
		1	38	20.18	20.23	20.15	21.00
		1	74	20.07	20.14	20.06	21.00
		36	0	20.31	20.33	20.30	21.00
		36	18	20.07	20.15	20.04	21.00
		36	39	20.09	20.09	20.13	21.00
		75	0	20.21	20.25	20.10	21.00
	16QAM	1	0	20.21	20.21	20.05	21.00
		1	38	20.12	20.16	20.17	21.00
		1	74	20.12	20.21	20.09	21.00
		36	0	20.10	20.15	20.05	21.00
		36	18	20.13	20.21	20.08	21.00
		36	39	20.13	20.14	20.07	21.00
		75	0	20.13	20.26	20.11	21.00

LTE FDD Band 30 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				27685	27710	27735	
5MHz	QPSK	1	0	13.99	13.98	13.96	15.00
		1	13	13.83	13.80	13.72	15.00
		1	24	13.64	13.73	13.65	15.00
		12	0	13.88	13.82	13.88	15.00
		12	6	13.69	13.78	13.73	15.00
		12	13	13.73	13.76	13.80	15.00
		25	0	13.77	13.91	13.76	15.00
	16QAM	1	0	13.83	13.83	13.79	15.00
		1	13	13.84	13.79	13.76	15.00
		1	24	13.67	13.75	13.69	15.00
		12	0	13.81	13.79	13.65	15.00
		12	6	13.77	13.71	13.71	15.00
		12	13	13.77	13.82	13.81	15.00
		25	0	13.72	13.81	13.69	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
10MHz	QPSK	1	0	/	14	/	15.00
		1	25	/	13.73	/	15.00
		1	49	/	13.71	/	15.00
		25	0	/	13.85	/	15.00
		25	13	/	13.8	/	15.00
		25	25	/	13.75	/	15.00
		50	0	/	13.77	/	15.00



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	16QAM	1	0	/	13.72	/	15.00
		1	25	/	13.77	/	15.00
		1	49	/	13.81	/	15.00
		25	0	/	13.69	/	15.00
		25	13	/	13.74	/	15.00
		25	25	/	13.76	/	15.00
		50	0	/	13.81	/	15.00

LTE Band 71 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133147	133322	133447	
5MHz	QPSK	1	0	20.62	20.60	20.48	24.00
		1	13	20.41	20.32	20.32	24.00
		1	24	20.30	20.38	20.37	24.00
		12	0	20.51	20.44	20.46	23.00
		12	6	20.35	20.34	20.24	23.00
		12	13	20.36	20.42	20.34	23.00
	16QAM	25	0	20.48	20.28	20.37	23.00
		1	0	20.36	20.36	20.27	23.00
		1	13	20.34	20.29	20.33	23.00
		1	24	20.34	20.27	20.31	23.00
		12	0	20.36	20.33	20.24	22.00
		12	6	20.39	20.29	20.33	22.00
		12	13	20.42	20.36	20.26	22.00
		25	0	20.41	20.21	20.29	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133172	133322	133422	
10MHz	QPSK	1	0	20.69	20.63	20.44	24.00
		1	25	20.34	20.39	20.37	24.00
		1	49	20.28	20.27	20.35	24.00
		25	0	20.45	20.44	20.40	23.00
		25	13	20.45	20.30	20.27	23.00
		25	25	20.38	20.38	20.40	23.00
	16QAM	50	0	20.41	20.43	20.35	23.00
		1	0	20.46	20.38	20.40	23.00
		1	25	20.34	20.33	20.34	23.00
		1	49	20.30	20.34	20.40	23.00
		25	0	20.37	20.19	20.19	22.00
		25	13	20.34	20.40	20.31	22.00
		25	25	20.32	20.40	20.37	22.00
		50	0	20.32	20.25	20.28	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133197	133322	133397	
15MHz	QPSK	1	0	20.64	20.73	20.44	24.00
		1	38	20.42	20.40	20.33	24.00
		1	74	20.27	20.26	20.26	24.00
		36	0	20.42	20.50	20.41	23.00
		36	18	20.37	20.27	20.35	23.00
		36	39	20.37	20.37	20.38	23.00
		75	0	20.47	20.39	20.31	23.00
	16QAM	1	0	20.38	20.31	20.26	23.00
		1	38	20.42	20.37	20.37	23.00
		1	74	20.41	20.35	20.30	23.00
		36	0	20.38	20.20	20.28	22.00
		36	18	20.38	20.35	20.34	22.00
		36	39	20.38	20.41	20.28	22.00
		75	0	20.40	20.29	20.24	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133222	133322	133372	



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20MHz	QPSK	1	0	20.69	20.74	20.42	22.00
		1	50	20.43	20.35	20.39	22.00
		1	99	20.32	20.25	20.35	22.00
		50	0	20.39	20.50	20.49	22.00
		50	25	20.47	20.24	20.29	22.00
		50	50	20.29	20.31	20.42	22.00
		100	0	20.46	20.38	20.42	22.00
	16QAM	1	0	20.36	20.40	20.26	22.00
		1	50	20.38	20.33	20.36	22.00
		1	99	20.40	20.35	20.34	22.00
		50	0	20.30	20.21	20.27	22.00
		50	25	20.36	20.36	20.26	22.00
		50	50	20.33	20.32	20.26	22.00
		100	0	20.42	20.22	20.25	22.00

LTE Band 66 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 131979	Channel 132322	Channel 132665	Tune up
1.4MHz	QPSK	1	0	15.15	15.15	15.24	16.00
		1	2	15.04	14.99	14.97	16.00
		1	5	14.98	14.94	14.91	16.00
		3	0	15.05	15.08	14.97	16.00
		3	1	14.94	14.96	14.84	16.00
		3	3	14.87	14.97	14.95	16.00
		6	0	14.92	15.10	14.89	16.00
	16QAM	1	0	14.91	14.93	14.91	16.00
		1	2	14.97	15.01	14.95	16.00
		1	5	14.92	14.96	14.90	16.00
		3	0	14.92	14.91	14.81	16.00
		3	1	14.89	15.00	14.87	16.00
		3	3	14.95	15.03	14.96	16.00
		6	0	14.96	14.97	14.86	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 131987	Channel 132322	Channel 132657	Tune up
3MHz	QPSK	1	0	15.25	15.22	15.26	16.00
		1	7	14.97	14.99	14.88	16.00
		1	14	14.87	14.91	14.90	16.00
		8	0	15.18	14.99	15.10	16.00
		8	4	14.87	14.97	14.94	16.00
		8	7	14.90	14.91	14.90	16.00
		15	0	14.91	15.08	15.00	16.00
	16QAM	1	0	15.02	14.99	14.92	16.00
		1	7	14.95	14.89	14.84	16.00
		1	14	14.86	14.87	14.89	16.00
		8	0	14.90	14.93	14.83	16.00
		8	4	14.84	15.04	14.99	16.00
		8	7	15.01	15.04	14.88	16.00
		15	0	14.97	14.98	14.87	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 131997	Channel 132322	Channel 132647	Tune up
5MHz	QPSK	1	0	15.19	15.20	15.23	16.00
		1	13	15.05	14.99	14.97	16.00
		1	24	14.91	14.86	14.93	16.00
		12	0	15.17	15.10	15.08	16.00
		12	6	14.83	15.02	14.84	16.00
		12	13	14.87	14.97	15.02	16.00
		25	0	15.00	15.09	15.02	16.00
	16QAM	1	0	14.91	15.06	14.95	16.00
		1	13	14.90	15.00	14.91	16.00
		1	24	14.86	15.01	14.98	16.00
		12	0	15.01	14.89	14.93	16.00
		12	6	14.97	14.96	14.98	16.00



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		12	13	14.96	14.96	14.88	16.00
		25	0	14.98	14.92	14.94	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up
10MHz	QPSK	1	0	15.20	15.25	15.26	16.00
		1	25	15.02	14.94	14.88	16.00
		1	49	14.97	14.90	14.90	16.00
		25	0	15.06	15.06	15.04	16.00
		25	13	14.88	14.99	14.94	16.00
		25	25	14.85	14.92	14.96	16.00
		50	0	15.01	15.06	14.96	16.00
	16QAM	1	0	14.93	14.95	14.96	16.00
		1	25	15.04	15.02	14.85	16.00
		1	49	14.86	15.00	14.94	16.00
		25	0	14.89	15.00	14.80	16.00
		25	13	14.90	14.92	14.88	16.00
		25	25	14.90	14.91	14.89	16.00
		50	0	14.99	14.97	14.88	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	15.22	15.26	15.24	16.00
		1	38	15.02	15.02	14.96	16.00
		1	74	14.98	14.91	14.85	16.00
		36	0	15.15	15.02	14.97	16.00
		36	18	14.90	15.06	14.94	16.00
		36	39	14.84	14.99	15.00	16.00
		75	0	14.90	15.06	14.97	16.00
	16QAM	1	0	15.03	14.92	14.95	16.00
		1	38	14.91	14.99	14.91	16.00
		1	74	14.87	14.98	14.97	16.00
		36	0	14.98	14.99	14.94	16.00
		36	18	14.97	14.95	14.87	16.00
		36	39	15.03	15.04	14.96	16.00
		75	0	14.96	14.97	14.86	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	15.29	15.39	15.37	16.00
		1	50	15.14	15.04	15.03	16.00
		1	99	15.06	15.05	15.07	16.00
		50	0	15.25	15.26	15.13	16.00
		50	25	15.00	15.17	14.97	16.00
		50	50	15.02	14.98	15.03	16.00
		100	0	15.13	15.15	15.04	16.00
	16QAM	1	0	15.06	15.11	14.98	16.00
		1	50	15.10	15.01	15.03	16.00
		1	99	15.05	15.01	14.97	16.00
		50	0	15.01	15.06	14.96	16.00
		50	25	14.94	15.07	15.04	16.00
		50	50	15.02	15.06	15.00	16.00
		100	0	15.04	15.11	14.97	16.00

LTE Band 38 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	15.04	15.04	14.90	16.00
		1	13	14.77	14.73	14.75	16.00
		1	24	14.68	14.66	14.80	16.00
		12	0	14.82	14.77	14.89	16.00
		12	6	14.85	14.68	14.67	16.00
		12	13	14.77	14.77	14.75	16.00
		25	0	14.81	14.74	14.78	16.00
	16QAM	1	0	14.81	14.72	14.73	16.00



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		1	13	14.76	14.65	14.65	16.00
		1	24	14.81	14.68	14.78	16.00
		12	0	14.78	14.68	14.67	16.00
		12	6	14.84	14.72	14.78	16.00
		12	13	14.83	14.80	14.74	16.00
		25	0	14.83	14.74	14.73	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	15.03	15.15	14.82	16.00
		1	25	14.74	14.68	14.70	16.00
		1	49	14.72	14.76	14.68	16.00
		25	0	14.82	14.84	14.82	16.00
		25	13	14.84	14.66	14.69	16.00
		25	25	14.73	14.72	14.76	16.00
	16QAM	50	0	14.89	14.73	14.71	16.00
		1	0	14.84	14.72	14.78	16.00
		1	25	14.81	14.76	14.79	16.00
		1	49	14.79	14.77	14.70	16.00
		25	0	14.66	14.66	14.66	16.00
		25	13	14.82	14.77	14.77	16.00
15MHz	QPSK	25	25	14.84	14.74	14.77	16.00
		50	0	14.79	14.64	14.66	16.00
	16QAM	1	0	14.96	15.07	14.81	16.00
		1	38	14.73	14.81	14.80	16.00
		1	74	14.78	14.70	14.67	16.00
		36	0	14.80	14.85	14.76	16.00
	16QAM	36	18	14.86	14.69	14.72	16.00
		36	39	14.73	14.82	14.72	16.00
		75	0	14.84	14.82	14.76	16.00
		1	0	14.73	14.67	14.78	16.00
		1	38	14.71	14.77	14.73	16.00
		1	74	14.81	14.72	14.77	16.00
20MHz	QPSK	36	0	14.69	14.63	14.65	16.00
		36	18	14.85	14.80	14.71	16.00
		36	39	14.86	14.72	14.77	16.00
		75	0	14.79	14.61	14.72	16.00
	16QAM	1	0	15.06	15.16	14.92	16.00
		1	50	14.89	14.86	14.83	16.00
		1	99	14.88	14.88	14.85	16.00
		50	0	14.98	14.93	14.95	16.00
		50	25	14.87	14.81	14.80	16.00
		50	50	14.88	14.81	14.78	16.00
20MHz	QPSK	100	0	15.00	14.85	14.93	16.00
		1	0	14.89	14.75	14.84	16.00
		1	50	14.89	14.80	14.89	16.00
		1	99	14.80	14.81	14.90	16.00
		50	0	14.88	14.80	14.81	16.00
		50	25	14.82	14.90	14.83	16.00
	16QAM	50	50	14.88	14.90	14.85	16.00
		100	0	14.81	14.71	14.79	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	



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LTE Band 41 Sensor on				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	15.19	15.16	15.17	14.92	15	16.00
		1	13	14.84	14.81	14.88	14.82	14.79	16.00
		1	24	14.89	14.79	14.82	14.87	14.81	16.00
		12	0	15.09	14.91	14.97	14.97	14.91	16.00
		12	6	14.85	14.82	14.77	14.82	14.75	16.00
		12	13	14.81	14.81	14.78	14.92	14.93	16.00
		25	0	14.91	14.97	14.82	14.93	14.86	16.00
	16QAM	1	0	14.81	14.95	14.76	14.82	14.88	16.00
		1	13	14.81	14.82	14.84	14.88	14.85	16.00
		1	24	14.88	14.79	14.86	14.77	14.78	16.00
		12	0	14.83	14.78	14.71	14.79	14.75	16.00
		12	6	14.79	14.84	14.83	14.76	14.8	16.00
		12	13	14.93	14.94	14.87	14.78	14.79	16.00
		25	0	14.85	14.91	14.83	14.8	14.8	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	15.17	15.13	15.21	14.96	15.06	16.00
		1	25	14.83	14.92	14.84	14.8	14.8	16.00
		1	49	14.82	14.76	14.84	14.86	14.78	16.00
		25	0	15.01	15.02	14.89	14.94	14.88	16.00
		25	13	14.79	14.92	14.71	14.77	14.71	16.00
		25	25	14.8	14.84	14.92	14.88	14.88	16.00
		50	0	14.88	14.9	14.86	14.9	14.89	16.00
	16QAM	1	0	14.81	14.93	14.84	14.77	14.76	16.00
		1	25	14.91	14.94	14.76	14.87	14.88	16.00
		1	49	14.82	14.79	14.86	14.8	14.85	16.00
		25	0	14.8	14.77	14.78	14.81	14.76	16.00
		25	13	14.8	14.84	14.9	14.81	14.87	16.00
		25	25	14.81	14.82	14.86	14.83	14.77	16.00
		50	0	14.89	14.87	14.77	14.74	14.72	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	15.08	15.12	15.15	14.92	15	16.00
		1	38	14.92	14.79	14.87	14.85	14.86	16.00
		1	74	14.84	14.89	14.8	14.85	14.76	16.00
		36	0	15.07	14.96	14.99	14.97	14.97	16.00
		36	18	14.8	14.86	14.84	14.74	14.85	16.00
		36	39	14.84	14.77	14.88	14.87	14.79	16.00
		75	0	14.87	14.91	14.92	14.88	14.83	16.00
	16QAM	1	0	14.95	14.85	14.79	14.88	14.83	16.00
		1	38	14.92	14.81	14.82	14.78	14.8	16.00
		1	74	14.8	14.77	14.83	14.83	14.89	16.00
		36	0	14.89	14.88	14.83	14.72	14.8	16.00
		36	18	14.84	14.93	14.79	14.83	14.9	16.00
		36	39	14.81	14.92	14.78	14.85	14.81	16.00
		75	0	14.87	14.83	14.75	14.72	14.84	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	15.15	15.08	15.21	14.98	14.95	16.00
		1	50	14.92	14.78	14.81	14.83	14.78	16.00
		1	99	14.86	14.76	14.83	14.79	14.81	16.00
		50	0	15.04	15.02	15.08	14.99	14.99	16.00
		50	25	14.75	14.91	14.78	14.79	14.74	16.00
		50	50	14.81	14.81	14.81	14.9	14.83	16.00
		100	0	14.88	14.98	15.01	14.79	14.91	16.00
	16QAM	1	0	14.85	14.9	14.86	14.87	14.8	16.00
		1	50	14.81	14.8	14.83	14.84	14.75	16.00
		1	99	14.85	14.78	14.86	14.85	14.87	16.00
		50	0	14.82	14.9	14.75	14.76	14.74	16.00



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		50	25	14.85	14.91	14.84	14.8	14.85	16.00
		50	50	14.93	14.93	14.83	14.83	14.86	16.00
		100	0	14.82	14.93	14.74	14.8	14.78	16.00

LTE Band 41 Sensor on For Simultaneous				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	13.1	13.18	13.29	12.96	12.92	14.00
		1	13	13.01	12.79	12.84	12.79	12.76	14.00
		1	24	12.87	12.81	12.83	12.76	12.84	14.00
		12	0	13.06	13.1	13.11	13	13.06	14.00
		12	6	12.8	12.96	12.86	12.86	12.77	14.00
		12	13	12.8	12.82	12.88	12.99	12.83	14.00
		25	0	12.94	13.05	13.05	12.88	12.94	14.00
	16QAM	1	0	12.92	12.94	12.83	12.89	12.81	14.00
		1	13	12.85	12.78	12.86	12.81	12.75	14.00
		1	24	12.92	12.85	12.86	12.85	12.86	14.00
		12	0	12.8	12.97	12.73	12.82	12.74	14.00
		12	6	12.84	12.93	12.89	12.88	12.84	14.00
		12	13	12.94	12.91	12.91	12.85	12.95	14.00
		25	0	12.82	12.99	12.75	12.8	12.75	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	13.2	13.03	13.26	13.02	13.01	14.00
		1	25	13.01	12.83	12.87	12.8	12.76	14.00
		1	49	12.84	12.85	12.9	12.82	12.81	14.00
		25	0	13.11	13.03	13.07	12.95	12.94	14.00
		25	13	12.81	12.98	12.81	12.77	12.79	14.00
		25	25	12.82	12.9	12.83	12.86	12.9	14.00
		50	0	12.84	13.04	13.09	12.79	12.86	14.00
	16QAM	1	0	12.82	12.93	12.85	12.82	12.85	14.00
		1	25	12.79	12.78	12.88	12.8	12.7	14.00
		1	49	12.89	12.8	12.92	12.8	12.82	14.00
		25	0	12.81	12.96	12.82	12.85	12.71	14.00
		25	13	12.84	12.93	12.87	12.79	12.92	14.00
		25	25	12.98	12.94	12.88	12.82	12.83	14.00
		50	0	12.8	12.97	12.75	12.81	12.81	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	13.14	13.04	13.24	12.98	12.99	14.00
		1	38	13.01	12.85	12.78	12.91	12.81	14.00
		1	74	12.88	12.75	12.88	12.83	12.8	14.00
		36	0	13	12.98	13.08	13.04	12.95	14.00
		36	18	12.74	12.92	12.81	12.89	12.73	14.00
		36	39	12.87	12.79	12.81	12.86	12.89	14.00
		75	0	12.93	12.97	13.07	12.87	12.92	14.00
	16QAM	1	0	12.83	12.97	12.85	12.95	12.84	14.00
		1	38	12.76	12.88	12.81	12.85	12.73	14.00
		1	74	12.9	12.8	12.88	12.95	12.89	14.00
		36	0	12.88	12.85	12.72	12.8	12.79	14.00
		36	18	12.93	12.86	12.8	12.81	12.89	14.00
		36	39	12.94	12.96	12.88	12.91	12.93	14.00
		75	0	12.82	12.91	12.78	12.78	12.81	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	13.22	13.05	13.3	13.06	12.98	14.00
		1	50	13	12.76	12.87	12.83	12.77	14.00
		1	99	12.95	12.76	12.8	12.8	12.83	14.00
		50	0	13.02	13.03	13.17	13	13.02	14.00
		50	25	12.78	12.99	12.75	12.81	12.76	14.00
		50	50	12.8	12.83	12.82	13	12.91	14.00
		100	0	12.94	12.95	12.98	12.84	12.98	14.00



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	16QAM	1	0	12.94	12.87	12.94	12.91	12.82	14.00
		1	50	12.87	12.87	12.84	12.81	12.78	14.00
		1	99	12.93	12.8	12.91	12.92	12.84	14.00
		50	0	12.82	12.92	12.8	12.74	12.81	14.00
		50	25	12.81	13	12.87	12.82	12.94	14.00
		50	50	12.89	12.99	12.82	12.86	12.9	14.00
		100	0	12.8	12.91	12.7	12.88	12.81	14.00



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4 Conducted Power of WIFI

Full:

WIFI 2.4G Full power		Frequency (MHz)	Data Rate(Mbps)	ANT2	Tune up	ANT3	Tune up	MIMO	
Mode	Channel			Average Power (dBm)		Average Power (dBm)		Average Power (dBm)	Tune up
802.11b	1	2412	1	12.35	13.00	11.42	12.00	/	/
	6	2437		12.69	13.00	11.22	12.00	/	/
	11	2462		12.50	13.00	11.09	12.00	/	/
802.11g	1	2412	6	12.26	13.00	12.58	13.00	/	/
	6	2437		12.01	13.00	12.22	13.00	/	/
	11	2462		12.51	13.00	12.35	13.00	/	/
802.11n HT20	1	2412	6.5	11.52	12.00	11.81	12.00	14.68	15.00
	6	2437		11.63	12.00	11.15	12.00	14.41	15.00
	11	2462		11.72	12.00	11.47	12.00	14.61	15.00
802.11ax HE20	1	2412	MCS0	9.92	11.00	10.62	11.00	13.29	14.00
	6	2437		10.05	11.00	10.33	11.00	13.20	14.00
	11	2462		10.15	11.00	10.43	11.00	13.30	14.00

WIFI 5G Full power		Channel	Frequency(MHz)	Data Rate(Mbps)	ANT2	Tune up	ANT3	Tune up	MIMO	Tune up
Mode	5GHz				Average Power (dBm)		Average Power (dBm)		Average Power (dBm)	
802.11a	U-NII-1	36	5180	6	16.18	17.00	14.34	16.00	/	/
		40	5200		16.05	17.00	14.52	16.00	/	/
		48	5240		15.89	17.00	15.22	16.00	/	/
	U-NII-2A	52	5260		16.42	17.00	15.44	16.00	/	/
		60	5300		16.69	17.00	15.67	16.00	/	/
		64	5320		16.66	17.00	15.59	16.00	/	/
	U-NII-2C	100	5500		13.15	14.00	11.72	13.00	/	/
		116	5580		13.66	14.00	12.25	13.00	/	/
		140	5700		13.52	14.00	11.96	13.00	/	/
	U-NII-3	149	5745		18.11	19.00	16.05	17.00	/	/
		157	5785		18.20	19.00	16.11	17.00	/	/
		165	5825		17.98	19.00	15.99	17.00	/	/
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	15.19	16.00	13.42	15.00	17.40	19.00
		40	5200		15.12	16.00	13.59	15.00	17.43	19.00
		48	5240		14.86	16.00	14.27	15.00	17.59	19.00
	U-NII-2A	52	5260		15.39	16.00	14.47	15.00	17.96	19.00
		60	5300		15.71	16.00	14.74	15.00	18.26	19.00
		64	5320		15.64	16.00	14.56	15.00	18.14	19.00
	U-NII-2C	100	5500		12.18	13.00	10.75	12.00	14.53	16.00
		116	5580		12.66	13.00	11.32	12.00	15.05	16.00
		140	5700		12.52	13.00	11.02	12.00	14.84	16.00



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	U-NII-3	149	5745		17.95	19.00	15.96	17.00	20.08	21.00
		157	5785		18.02	19.00	16.05	17.00	20.16	21.00
		165	5825		17.86	19.00	16.01	17.00	20.04	21.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	13.39	14.00	11.37	12.00	15.51	17.00
		46	5230		13.29	14.00	11.52	12.00	15.50	17.00
	U-NII-2A	54	5270		14.38	15.00	12.32	13.00	16.48	18.00
		62	5310		14.31	15.00	12.52	13.00	16.52	18.00
	U-NII-2C	102	5510		12.37	13.00	10.16	11.00	14.41	16.00
		110	5550		12.31	13.00	10.55	11.00	14.53	16.00
		134	5670		12.30	13.00	10.31	11.00	14.43	16.00
	U-NII-3	151	5755		18.28	19.00	16.25	17.00	20.39	21.00
		159	5795		18.05	19.00	16.05	17.00	20.17	21.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac VHT80	U-NII-1	42	5210	MCS0	12.25	13.00	10.58	11.00	14.51	16.00
	U-NII-2A	58	5290		13.35	14.00	11.39	12.00	15.49	17.00
	U-NII-2C	106	5530		11.34	12.00	9.33	10.00	13.46	15.00
		122	5610		11.32	12.00	9.46	10.00	13.50	15.00
	U-NII-3	155	5775		15.39	16.00	13.25	14.00	17.46	19.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HEW20	U-NII-1	36	5180	MCS0	14.17	15.00	12.43	13.00	16.40	18.00
		40	5200		14.21	15.00	12.58	13.00	16.48	18.00
		48	5240		13.84	15.00	13.24	14.00	16.56	18.00
	U-NII-2A	52	5260		14.49	15.00	13.52	14.00	17.04	18.00
		60	5300		14.79	15.00	13.75	14.00	17.31	18.00
		64	5320		14.74	15.00	13.54	14.00	17.19	18.00
	U-NII-2C	100	5500		11.25	12.00	9.70	11.00	13.55	15.00
		116	5580		11.70	12.00	10.36	11.00	14.09	15.00
		140	5700		11.48	12.00	10.01	11.00	13.82	15.00
	U-NII-3	149	5745		16.79	17.00	14.94	16.00	18.97	20.00
		157	5785		16.91	17.00	15.04	16.00	19.09	20.00
		165	5825		16.90	17.00	15.04	16.00	19.08	20.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HEW40	U-NII-1	38	5190	MCS0	11.47	12.00	9.46	10.00	13.59	15.00
		46	5230		11.30	12.00	9.47	10.00	13.49	15.00
	U-NII-2A	54	5270		12.46	13.00	10.38	11.00	14.55	16.00
		62	5310		12.27	13.00	10.60	11.00	14.53	16.00
	U-NII-2C	102	5510		10.45	11.00	8.26	9.00	12.50	14.00
		110	5550		10.33	11.00	8.54	9.00	12.54	14.00
		134	5670		10.39	11.00	8.36	9.00	12.50	14.00
	U-NII-3	151	5755		15.72	16.00	14.22	15.00	18.04	19.00
		159	5795		15.75	16.00	14.11	15.00	18.02	19.00



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Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HEW80	U-NII-1	42	5210	MCS0	11.11	12.00	9.36	10.00	13.33	15.00
	U-NII-2A	58	5290		11.35	12.00	9.55	10.00	13.55	15.00
	U-NII-2C	106	5530		9.30	10.00	7.42	8.00	11.47	13.00
		122	5610		9.25	10.00	7.49	8.00	11.47	13.00
	U-NII-3	155	5775		14.52	15.00	12.19	13.00	16.52	18.00

WIFI 6E Full power				ANT2		ANT3		MIMO	
mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax (HE20)	1	5955	MCS0	8.47	9.5	8.27	9.5	11.38	12.5
	97	6435		8.66	10	8.41	9.5	11.55	13
	117	6535		8.48	9.5	8.19	9.5	11.35	12.5
	189	6895		-2.18	-1	-2.43	-1	0.71	2
	233	7115		-4.65	-3.5	-4.88	-3.5	-1.75	-0.5
802.11ax (HE40)	3	5965	MCS0	9.26	10.5	9.03	10.5	12.16	13.5
	99	6445		9.44	10.5	9.19	10.5	12.32	13.5
	147	6685		9.63	11	9.38	10.5	12.52	14
	195	6925		9.30	10.5	9.05	10.5	12.19	13.5
	227	7085		9.75	11	9.47	10.5	12.62	14
802.11ax (HE80)	7	5985	MCS0	9.53	11	9.29	10.5	12.42	13.5
	103	6465		10.05	11	9.91	11	12.99	14
	151	6705		9.68	11	9.47	10.5	12.58	14
	199	6945		9.30	10.5	9.03	10.5	12.18	13.5
	215	7025		9.90	11	9.61	11	12.76	14

WIFI 6E Full power For Simultaneous				ANT2		ANT3		MIMO	
mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax (HE20)	1	5955	MCS0	4.52	5.5	4.36	5.5	7.45	8.5
	97	6435		4.73	6	4.39	5.5	7.57	9
	117	6535		4.61	5.5	4.08	5.5	7.36	8.5
	189	6895		-2.18	-1	-2.43	-1	0.71	2
	233	7115		-4.65	-3.5	-4.88	-3.5	-1.75	-0.5
802.11ax (HE40)	3	5965	MCS0	5.28	6.5	5.11	6.5	8.21	9.5
	99	6445		5.45	6.5	5.25	6.5	8.36	9.5
	147	6685		5.66	7	5.46	6.5	8.57	10
	195	6925		5.32	6.5	5.13	6.5	8.24	9.5
	227	7085		5.75	7	5.44	6.5	8.61	10
802.11ax (HE80)	7	5985	MCS0	5.58	7	5.29	6.5	8.45	9.5
	103	6465		6.11	7	5.88	7	9.01	10
	151	6705		5.66	7	5.44	6.5	8.56	10
	199	6945		5.31	6.5	5.02	6.5	8.18	9.5
	215	7025		5.98	7	5.60	7	8.80	10

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Sensor on:

WIFI 2.4G For Simultaneous		Frequency (MHz)	Data Rate(Mbps)	ANT2	Tune up	ANT3	Tune up	MIMO	Tune up
Mode	Channel			Average Power (dBm)		Average Power (dBm)		Average Power (dBm)	
802.11b	1	2412	1	8.38	9.00	7.44	8.00	/	/
	6	2437		8.63	9.00	7.28	8.00	/	/
	11	2462		8.47	9.00	7.08	8.00	/	/
802.11g	1	2412	6	8.34	9.00	8.60	9.00	/	/
	6	2437		8.02	9.00	8.30	9.00	/	/
	11	2462		8.61	9.00	8.38	9.00	/	/
802.11n HT20	1	2412	6.5	8.52	9.00	8.56	9.00	11.55	12.00
	6	2437		8.56	9.00	8.21	9.00	11.40	12.00
	11	2462		8.40	9.00	8.43	9.00	11.43	12.00
802.11ax HE20	1	2412	MCS0	6.92	8.00	7.60	8.00	10.28	11.00
	6	2437		7.14	8.00	7.30	8.00	10.23	11.00
	11	2462		7.25	8.00	7.46	8.00	10.37	11.00

WIFI 5G Sensor on		Channel	Frequency(MHz)	Data Rate(Mbps)	ANT2	Tune up	ANT3	Tune up	MIMO	Tune up
Mode	5GHz				Average Power (dBm)		Average Power (dBm)		Average Power (dBm)	
802.11a	U-NII-1	36	5180	6	7.13	8.00	5.36	7.00	/	/
		40	5200		7.01	8.00	5.56	7.00	/	/
		48	5240		6.97	8.00	6.24	7.00	/	/
	U-NII-2A	52	5260		7.50	8.00	6.42	7.00	/	/
		60	5300		7.66	8.00	6.73	7.00	/	/
		64	5320		7.63	8.00	6.55	7.00	/	/
	U-NII-2C	100	5500		6.31	7.00	4.68	6.00	/	/
		116	5580		6.63	7.00	5.25	6.00	/	/
		140	5700		6.56	7.00	5.01	6.00	/	/
	U-NII-3	149	5745		7.09	8.00	5.01	6.00	/	/
		157	5785		7.23	8.00	5.13	6.00	/	/
		165	5825		6.96	8.00	4.96	6.00	/	/
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n- HT20	U-NII-1	36	5180	MCS0	7.23	8.00	5.37	7.00	9.41	11.00
		40	5200		7.21	8.00	5.64	7.00	9.51	11.00
		48	5240		6.88	8.00	6.29	7.00	9.61	11.00
	U-NII-2A	52	5260		7.46	8.00	6.48	7.00	10.01	11.00
		60	5300		7.80	8.00	6.72	7.00	10.30	11.00
		64	5320		7.69	8.00	6.53	7.00	10.16	11.00
	U-NII-2C	100	5500		6.26	7.00	4.75	6.00	8.58	10.00
		116	5580		6.67	7.00	5.40	6.00	9.09	10.00
		140	5700		6.49	7.00	5.02	6.00	8.83	10.00
	U-NII-3	149	5745		6.90	8.00	4.92	6.00	9.03	10.00
		157	5785		7.00	8.00	5.10	6.00	9.16	10.00

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		165	5825		6.95	8.00	4.97	6.00	9.08	10.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	6.39	7.00	4.45	5.00	8.54	10.00
		46	5230		6.34	7.00	4.49	5.00	8.52	10.00
	U-NII-2A	54	5270		6.42	7.00	4.41	5.00	8.54	10.00
		62	5310		6.32	7.00	4.53	5.00	8.53	10.00
	U-NII-2C	102	5510		5.37	6.00	3.14	4.00	7.41	9.00
		110	5550		5.26	6.00	3.57	4.00	7.51	9.00
		134	5670		5.37	6.00	3.37	4.00	7.49	9.00
	U-NII-3	151	5755		7.69	8.00	5.26	6.00	9.65	10.00
		159	5795		7.53	8.00	5.04	6.00	9.47	10.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac VHT80	U-NII-1	42	5210	MCS0	6.31	7.00	4.64	5.00	8.57	10.00
	U-NII-2A	58	5290		6.42	7.00	4.44	5.00	8.55	10.00
	U-NII-2C	106	5530		5.33	6.00	3.37	4.00	7.47	9.00
		122	5610		5.40	6.00	3.52	4.00	7.57	9.00
	U-NII-3	155	5775		5.37	6.00	3.31	4.00	7.47	9.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HEW20	U-NII-1	36	5180	MCS0	7.25	8.00	5.48	6.00	9.46	11.00
		40	5200		7.26	8.00	5.63	6.00	9.53	11.00
		48	5240		6.94	8.00	6.22	7.00	9.61	11.00
	U-NII-2A	52	5260		7.52	8.00	6.47	7.00	10.04	11.00
		60	5300		7.88	8.00	6.71	7.00	10.34	11.00
		64	5320		7.74	8.00	6.56	7.00	10.20	11.00
	U-NII-2C	100	5500		6.31	7.00	4.80	6.00	8.63	10.00
		116	5580		6.71	7.00	5.41	6.00	9.12	10.00
		140	5700		6.49	7.00	5.02	6.00	8.83	10.00
	U-NII-3	149	5745		6.80	7.00	5.01	6.00	9.01	10.00
		157	5785		6.90	7.00	5.11	6.00	9.11	10.00
		165	5825		6.93	7.00	5.06	6.00	9.11	10.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HEW40	U-NII-1	38	5190	MCS0	6.52	7.00	4.47	5.00	8.63	10.00
		46	5230		6.37	7.00	4.50	5.00	8.55	10.00
	U-NII-2A	54	5270		6.45	7.00	4.38	5.00	8.55	10.00
		62	5310		6.26	7.00	4.69	5.00	8.56	10.00
	U-NII-2C	102	5510		5.50	6.00	3.21	4.00	7.51	9.00
		110	5550		5.34	6.00	3.59	4.00	7.56	9.00
		134	5670		5.46	6.00	3.34	4.00	7.54	9.00
	U-NII-3	151	5755		6.80	7.00	5.31	6.00	9.13	10.00
		159	5795		6.77	7.00	5.10	6.00	9.03	10.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up

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802.11ax HEW80	U-NII-1	42	5210	MCS0	6.08	7.00	4.39	5.00	8.33	10.00
	U-NII-2A	58	5290		6.36	7.00	4.64	5.00	8.59	10.00
	U-NII-2C	106	5530		5.38	6.00	3.38	4.00	7.50	9.00
		122	5610		5.21	6.00	3.52	4.00	7.46	9.00
	U-NII-3	155	5775		5.59	6.00	3.16	4.00	7.55	9.00

WIFI 5G Full power For Simultaneous		Channel	Frequency(MHz)	Data Rate(Mbps)	ANT2	Tune up	ANT3	Tune up	MIMO	Tune up
Mode	5GHz				Average Power (dBm)		Average Power (dBm)		Average Power (dBm)	
802.11a	U-NII-1	36	5180	6	13.15	14.00	11.41	13.00	/	/
		40	5200		13.14	14.00	11.58	13.00	/	/
		48	5240		12.89	14.00	12.19	13.00	/	/
	U-NII-2A	52	5260		13.42	14.00	12.52	13.00	/	/
		60	5300		13.71	14.00	12.65	13.00	/	/
		64	5320		13.71	14.00	12.61	13.00	/	/
	U-NII-2C	100	5500		11.12	12.00	9.79	11.00	/	/
		116	5580		11.65	12.00	10.31	11.00	/	/
		140	5700		11.50	12.00	9.93	11.00	/	/
	U-NII-3	149	5745		15.13	16.00	13.10	14.00	/	/
		157	5785		15.20	16.00	13.08	14.00	/	/
		165	5825		15.01	16.00	12.99	14.00	/	/
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n- HT20	U-NII-1	36	5180	MCS0	13.15	14.00	11.45	13.00	15.39	17.0
		40	5200		13.15	14.00	11.63	13.00	15.47	17.0
		48	5240		12.85	14.00	12.22	13.00	15.56	17.0
	U-NII-2A	52	5260		13.43	14.00	12.62	13.00	16.05	17.0
		60	5300		13.74	14.00	12.73	13.00	16.27	17.0
		64	5320		13.71	14.00	12.64	13.00	16.22	17.0
	U-NII-2C	100	5500		11.11	12.00	9.81	11.00	13.52	15.0
		116	5580		11.61	12.00	10.26	11.00	14.00	15.0
		140	5700		11.48	12.00	9.99	11.00	13.81	15.0
	U-NII-3	149	5745		15.19	16.00	13.05	14.00	17.26	18.0
		157	5785		15.19	16.00	13.12	14.00	17.29	18.0
		165	5825		15.03	16.00	12.94	14.00	17.12	18.0
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n- HT40	U-NII-1	38	5190	MCS0	10.39	11.00	8.40	9.00	12.52	14.00
		46	5230		10.34	11.00	8.62	9.00	12.57	14.00
	U-NII-2A	54	5270		11.47	12.00	9.32	10.00	13.54	15.00
		62	5310		11.35	12.00	9.48	10.00	13.53	15.00
	U-NII-2C	102	5510		9.46	10.00	7.24	8.00	11.50	13.00
		110	5550		9.27	10.00	7.64	8.00	11.54	13.00
		134	5670		9.29	10.00	7.32	8.00	11.43	13.00
	U-NII-3	151	5755		15.37	16.00	13.29	14.00	17.46	18.00
		159	5795		15.04	16.00	13.05	14.00	17.17	18.00

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Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac VHT80	U-NII-1	42	5210	MCS0	10.26	11.00	8.63	9.00	12.53	14.00
	U-NII-2A	58	5290		11.43	12.00	9.48	10.00	13.57	15.00
	U-NII-2C	106	5530		9.31	10.00	7.42	8.00	11.48	13.00
		122	5610		9.28	10.00	7.50	8.00	11.49	13.00
	U-NII-3	155	5775		13.43	14.00	11.21	12.00	15.47	17.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HEW20	U-NII-1	36	5180	MCS0	13.24	14.00	11.47	13.00	15.45	17.00
		40	5200		13.25	14.00	11.63	13.00	15.53	17.00
		48	5240		12.95	14.00	12.29	13.00	15.64	17.00
	U-NII-2A	52	5260		13.42	14.00	12.58	13.00	16.03	17.00
		60	5300		13.70	14.00	12.71	13.00	16.24	17.00
		64	5320		13.69	14.00	12.69	13.00	16.23	17.00
	U-NII-2C	100	5500		11.12	12.00	9.89	11.00	13.56	15.00
		116	5580		11.58	12.00	10.34	11.00	14.01	15.00
		140	5700		11.48	12.00	10.07	11.00	13.84	15.00
	U-NII-3	149	5745		15.26	16.00	13.07	14.00	17.31	18.00
		157	5785		15.17	16.00	13.15	14.00	17.29	18.00
		165	5825		15.01	16.00	13.02	14.00	17.14	18.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HEW40	U-NII-1	38	5190	MCS0	10.37	11.00	8.50	9.00	12.55	14.00
		46	5230		10.40	11.00	8.65	9.00	12.62	14.00
	U-NII-2A	54	5270		11.44	12.00	9.32	10.00	13.52	15.00
		62	5310		11.31	12.00	9.54	10.00	13.52	15.00
	U-NII-2C	102	5510		9.44	10.00	7.27	8.00	11.50	13.00
		110	5550		9.26	10.00	7.62	8.00	11.53	13.00
		134	5670		9.34	10.00	7.40	8.00	11.49	13.00
	U-NII-3	151	5755		15.41	16.00	13.26	14.00	17.48	18.00
		159	5795		15.02	16.00	13.01	14.00	17.14	18.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HEW80	U-NII-1	42	5210	MCS0	10.35	11.00	8.64	9.00	12.59	14.00
	U-NII-2A	58	5290		11.44	12.00	9.57	10.00	13.62	15.00
	U-NII-2C	106	5530		9.38	10.00	7.52	8.00	11.56	13.00
		122	5610		9.24	10.00	7.57	8.00	11.50	13.00
	U-NII-3	155	5775		13.51	14.00	11.24	12.00	15.53	17.00

WIFI 5G Sensor on For Simultaneous		Channel	Frequency(MHz)	Data Rate(Mbps)	ANT2	Tune up	ANT3	Tune up	MIMO	Tune up
Mode	5GHz				Average Power (dBm)		Average Power (dBm)		Average Power (dBm)	
802.11a	U-NII-1	36	5180	6	3.23	4.00	1.37	3.00	/	/
		40	5200		3.11	4.00	1.59	3.00	/	/
		48	5240		2.98	4.00	2.27	3.00	/	/

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	U-NII-2A	52	5260		3.55	4.00	2.43	3.00	/	/
		60	5300		3.76	4.00	2.78	3.00	/	/
		64	5320		3.73	4.00	2.59	3.00	/	/
	U-NII-2C	100	5500		2.29	3.00	0.71	2.00	/	/
		116	5580		2.60	3.00	1.22	2.00	/	/
		140	5700		2.65	3.00	1.02	2.00	/	/
	U-NII-3	149	5745		3.14	4.00	1.10	2.00	/	/
		157	5785		3.19	4.00	1.14	2.00	/	/
		165	5825		2.93	4.00	0.92	2.00	/	/
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	3.28	4.00	1.45	3.00	5.47	7.00
		40	5200		3.29	4.00	1.66	3.00	5.56	7.00
		48	5240		2.89	4.00	2.32	3.00	5.62	7.00
	U-NII-2A	52	5260		3.47	4.00	2.45	3.00	6.00	7.00
		60	5300		3.81	4.00	2.75	3.00	6.32	7.00
		64	5320		3.76	4.00	2.49	3.00	6.18	7.00
	U-NII-2C	100	5500		2.34	3.00	0.85	2.00	4.67	6.00
		116	5580		2.68	3.00	1.48	2.00	5.13	6.00
		140	5700		2.49	3.00	1.12	2.00	4.87	6.00
	U-NII-3	149	5745		2.92	4.00	0.88	2.00	5.03	6.00
		157	5785		2.99	4.00	1.12	2.00	5.17	6.00
		165	5825		2.91	4.00	0.94	2.00	5.05	6.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	2.39	3.00	0.41	1.00	4.52	6.00
		46	5230		2.34	3.00	0.50	1.00	4.53	6.00
	U-NII-2A	54	5270		2.42	3.00	0.38	1.00	4.53	6.00
		62	5310		2.32	3.00	0.57	1.00	4.54	6.00
	U-NII-2C	102	5510		2.33	3.00	0.45	1.00	4.50	6.00
		110	5550		2.63	3.00	0.59	1.00	4.74	6.00
		134	5670		2.57	3.00	0.40	1.00	4.63	6.00
	U-NII-3	151	5755		3.01	4.00	1.33	2.00	5.26	6.00
		159	5795		2.89	4.00	1.21	2.00	5.14	6.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac VHT80	U-NII-1	42	5210	MCS0	2.32	3.00	0.36	1.00	4.46	6.00
	U-NII-2A	58	5290		2.44	3.00	0.54	1.00	4.60	6.00
	U-NII-2C	106	5530		2.40	3.00	0.40	1.00	4.52	6.00
		122	5610		2.34	3.00	0.56	1.00	4.55	6.00
	U-NII-3	155	5775		2.70	3.00	0.45	1.00	4.73	6.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HEW20	U-NII-1	36	5180	MCS0	3.34	4.00	1.46	3.00	5.51	7.00
		40	5200		3.28	4.00	1.62	3.00	5.54	7.00
		48	5240		2.95	4.00	2.41	3.00	5.70	7.00



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	U-NII-2A	52	5260		3.45	4.00	2.52	3.00	6.02	7.00
		60	5300		3.78	4.00	2.76	3.00	6.31	7.00
		64	5320		3.71	4.00	2.46	3.00	6.14	7.00
	U-NII-2C	100	5500		2.39	3.00	0.92	2.00	4.73	6.00
		116	5580		2.73	3.00	1.48	2.00	5.16	6.00
		140	5700		2.57	3.00	1.18	2.00	4.94	6.00
	U-NII-3	149	5745		2.95	4.00	0.88	2.00	5.05	6.00
		157	5785		3.04	4.00	1.07	2.00	5.18	6.00
		165	5825		2.91	4.00	0.99	2.00	5.07	6.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HEW40	U-NII-1	38	5190	MCS0	2.35	3.00	0.50	1.00	4.53	6.00
		46	5230		2.42	3.00	0.54	1.00	4.59	6.00
	U-NII-2A	54	5270		2.42	3.00	0.40	1.00	4.54	6.00
		62	5310		2.32	3.00	0.62	1.00	4.56	6.00
	U-NII-2C	102	5510		2.30	3.00	0.47	1.00	4.49	6.00
		110	5550		2.69	3.00	0.65	1.00	4.80	6.00
		134	5670		2.66	3.00	0.48	1.00	4.72	6.00
	U-NII-3	151	5755		3.08	4.00	1.38	2.00	5.32	6.00
		159	5795		2.93	4.00	1.19	2.00	5.16	6.00
Mode	5GHz	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HEW80	U-NII-1	42	5210	MCS0	2.29	3.00	0.37	1.00	4.45	6.00
	U-NII-2A	58	5290		2.53	3.00	0.58	1.00	4.67	6.00
	U-NII-2C	106	5530		2.44	3.00	0.47	1.00	4.58	6.00
		122	5610		2.30	3.00	0.58	1.00	4.53	6.00
	U-NII-3	155	5775		2.78	3.00	0.46	1.00	4.78	6.00



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5 Conducted Power of Bluetooth

BT ANT2 Full power		Average Conducted Power(dBm)			
Band	Channel	0	39	78	Tune up
BT	GFSK	10.36	10.95	9.45	11.00
	$\pi/4$ DQPSK	7.00	7.63	6.43	8.00
	8DPSK	6.93	7.56	6.13	8.00
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	10.33	10.62	9.25	11.00
Band	Channel	0	19	39	Tune up
BLE 2M	GFSK	10.25	10.92	9.36	11.00

BT ANT2 For Simultaneous		Average Conducted Power(dBm)			
Band	Channel	0	39	78	Tune up
BT	GFSK	7.52	7.89	7.63	8.00
	$\pi/4$ DQPSK	7.00	7.63	6.43	8.00
	8DPSK	6.93	7.56	6.13	8.00
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	7.33	7.59	7.39	8.00
Band	Channel	0	19	39	Tune up
BLE 2M	GFSK	7.25	7.58	7.52	8.00