

Appendix E

Conducted RF Output Power

ECI	Trigger Conditions	Antenna No.
ECI 2	Receiver on	All WWAN Ant
ECI 4	Body worn & Product specific 0mm	All WWAN Ant
ECI 7	Hotspot	All WWAN Ant



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1 Conducted Power of Legacy

1.1 Conducted Power of Legacy (Ant0)

GSM 850 ECI 2										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GSM(GMSK)	GSM	32.92	32.93	32.91	34.00	-9.19	23.73	23.74	23.72	24.81
GPRS (GMSK)	1 TX Slot	32.90	32.89	32.83	34.00	-9.19	23.71	23.70	23.64	24.81
	2 TX Slots	32.20	32.20	32.16	33.00	-6.18	26.02	26.02	25.98	26.82
	3 TX Slots	30.38	30.37	30.33	31.50	-4.42	25.96	25.95	25.91	27.08
	4 TX Slots	29.30	29.27	29.23	30.50	-3.17	26.13	26.10	26.06	27.33

GSM 850 ECI 4/7										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GSM(GMSK)	GSM	32.44	32.56	32.42	33.50	-9.19	23.25	23.37	23.23	24.31
GPRS (GMSK)	1 TX Slot	32.48	32.46	32.46	33.50	-9.19	23.29	23.27	23.27	24.31
	2 TX Slots	31.70	31.78	31.73	32.50	-6.18	25.52	25.60	25.55	26.32
	3 TX Slots	29.93	30.02	30.09	31.00	-4.42	25.51	25.60	25.67	26.58
	4 TX Slots	29.06	28.97	29.05	30.00	-3.17	25.89	25.80	25.88	26.83

WCDMA Band V ECI 2/4/7					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.35	23.44	23.40	24.00
	12.2kbps AMR	23.26	23.39	23.38	24.00
HSDPA	Subtest 1	22.50	22.54	22.46	23.50
	Subtest 2	22.51	22.55	22.48	23.50
	Subtest 3	22.02	22.09	22.02	23.00
	Subtest 4	21.98	22.09	21.97	23.00
HSUPA	Subtest 1	20.14	20.43	20.41	21.00
	Subtest 2	20.18	20.14	20.28	21.00
	Subtest 3	21.11	21.09	21.22	22.00
	Subtest 4	19.64	19.74	19.61	20.50
	Subtest 5	20.96	21.28	21.19	22.00
DC-HSDPA	Subtest 1	22.44	22.52	22.38	23.50
	Subtest 2	22.48	22.60	22.40	23.50
	Subtest 3	22.11	22.07	22.02	23.00
	Subtest 4	22.03	22.02	22.04	23.00



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HSPA+	16QAM	19.72	19.75	19.66	20.50
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LTE Band 5 ECI 2/4/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	22.64	22.71	22.83	24.00
		1	2	22.59	22.58	22.46	24.00
		1	5	22.46	22.43	22.76	24.00
		3	0	22.64	22.72	22.78	24.00
		3	2	22.69	22.74	22.69	24.00
		3	3	22.75	22.52	22.71	24.00
		6	0	21.81	21.58	21.51	23.00
	16QAM	1	0	21.44	21.67	21.50	23.00
		1	2	21.38	21.42	21.35	23.00
		1	5	21.64	21.46	21.65	23.00
		3	0	21.53	21.45	21.57	23.00
		3	2	21.41	21.70	21.68	23.00
		3	3	21.58	21.64	21.54	23.00
		6	0	20.55	20.31	20.55	22.00
	64QAM	1	0	20.58	20.47	20.48	22.00
		1	2	20.47	20.43	20.50	22.00
		1	5	20.33	20.30	20.65	22.00
		3	0	20.44	20.51	20.62	22.00
		3	2	20.53	20.57	20.61	22.00
		3	3	20.52	20.76	20.53	22.00
		6	0	19.66	19.74	19.50	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	22.74	22.73	22.84	24.00
		1	7	22.44	22.68	22.52	24.00
		1	14	22.67	22.49	22.67	24.00
		8	0	21.66	21.86	21.82	23.00
		8	4	21.70	21.62	21.69	23.00
		8	7	21.72	21.85	21.71	23.00
		15	0	21.60	21.71	21.42	23.00
	16QAM	1	0	21.34	21.64	21.64	23.00
		1	7	21.41	21.33	21.42	23.00
		1	14	21.57	21.42	21.49	23.00



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		8	0	20.75	20.79	20.56	22.00
		8	4	20.70	20.54	20.55	22.00
		8	7	20.66	20.64	20.76	22.00
		15	0	20.53	20.24	20.72	22.00
	64QAM	1	0	20.55	20.71	20.40	22.00
		1	7	20.61	20.57	20.49	22.00
		1	14	20.38	20.55	20.57	22.00
		8	0	19.66	19.61	19.51	21.00
		8	4	19.60	19.66	19.79	21.00
		8	7	19.81	19.75	19.63	21.00
		15	0	19.77	19.87	19.67	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	22.91	22.79	23.00	24.00
		1	13	22.71	22.87	22.74	24.00
		1	24	22.70	22.72	22.80	24.00
		12	0	21.88	21.88	21.90	23.00
		12	6	21.68	21.64	21.61	23.00
		12	13	21.68	21.87	21.64	23.00
		25	0	21.82	21.83	21.62	23.00
	16QAM	1	0	21.59	21.72	21.78	23.00
		1	13	21.56	21.56	21.62	23.00
		1	24	21.81	21.60	21.74	23.00
		12	0	20.85	20.82	20.78	22.00
		12	6	20.76	20.74	20.63	22.00
		12	13	20.74	20.81	20.78	22.00
		25	0	20.56	20.51	20.74	22.00
	64QAM	1	0	20.65	20.76	20.49	22.00
		1	13	20.65	20.58	20.70	22.00
		1	24	20.51	20.57	20.71	22.00
		12	0	19.67	19.69	19.63	21.00
		12	6	19.84	19.78	19.82	21.00
		12	13	19.92	19.77	19.76	21.00
		25	0	19.89	19.90	19.76	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20525	/	
10MHz	QPSK	1	0	/	23.05	/	24.00
		1	25	/	22.93	/	24.00
		1	49	/	22.86	/	24.00
		25	0	/	21.92	/	23.00



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		25	13	/	21.83	/	23.00
		25	25	/	21.88	/	23.00
		50	0	/	21.83	/	23.00
	16QAM	1	0	/	21.86	/	23.00
		1	25	/	21.79	/	23.00
		1	49	/	21.86	/	23.00
		25	0	/	20.92	/	22.00
		25	13	/	20.90	/	22.00
		25	25	/	20.93	/	22.00
		50	0	/	20.76	/	22.00
	64QAM	1	0	/	20.77	/	22.00
		1	25	/	20.82	/	22.00
		1	49	/	20.81	/	22.00
		25	0	/	19.93	/	21.00
		25	13	/	19.96	/	21.00
		25	25	/	19.94	/	21.00
		50	0	/	19.90	/	21.00

LTE FDD Band 12 ECI 2/4/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	22.94	22.99	22.97	24.00
		1	2	22.81	22.91	22.72	24.00
		1	5	22.67	22.58	22.68	24.00
		3	0	22.71	22.89	22.87	24.00
		3	2	22.83	22.79	22.90	24.00
		3	3	22.95	22.88	22.69	24.00
		6	0	22.01	21.73	21.81	23.00
	16QAM	1	0	22.02	21.94	21.78	23.00
		1	2	22.03	22.03	21.90	23.00
		1	5	21.84	21.68	21.62	23.00
		3	0	21.92	21.90	22.02	23.00
		3	2	22.14	21.98	21.95	23.00
		3	3	21.97	21.92	22.09	23.00
		6	0	20.74	20.74	20.70	22.00
	64QAM	1	0	20.85	20.74	20.67	22.00
		1	2	20.61	20.56	20.52	22.00
		1	5	20.88	20.76	20.91	22.00



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		3	0	20.79	20.73	20.72	22.00
		3	2	20.86	20.69	20.57	22.00
		3	3	20.92	20.90	20.73	22.00
		6	0	19.74	19.78	19.82	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	22.89	23.01	22.93	24.00
		1	7	22.68	22.70	22.76	24.00
		1	14	22.88	22.76	22.71	24.00
		8	0	21.84	21.78	21.91	23.00
		8	4	21.84	21.80	21.91	23.00
		8	7	21.84	21.79	22.01	23.00
		15	0	21.87	21.73	21.91	23.00
	16QAM	1	0	22.04	21.98	21.70	23.00
		1	7	22.11	21.99	21.91	23.00
		1	14	21.59	21.54	21.66	23.00
		8	0	20.86	20.85	20.58	22.00
		8	4	21.07	20.98	20.92	22.00
		8	7	20.99	20.85	20.76	22.00
		15	0	20.82	20.81	20.68	22.00
	64QAM	1	0	20.85	20.74	20.87	22.00
		1	7	20.74	20.62	20.68	22.00
		1	14	20.88	20.61	20.66	22.00
		8	0	20.02	19.92	19.72	21.00
		8	4	20.05	19.88	19.92	21.00
		8	7	19.93	19.78	19.76	21.00
		15	0	19.75	19.90	19.70	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	22.88	23.02	22.77	24.00
		1	13	22.93	22.85	22.66	24.00
		1	24	22.69	22.54	22.72	24.00
		12	0	21.73	21.96	21.76	23.00
		12	6	22.07	21.85	21.90	23.00
		12	13	21.80	21.98	21.92	23.00
		25	0	21.88	21.98	21.93	23.00
	16QAM	1	0	21.78	21.90	21.63	23.00
		1	13	22.18	22.04	21.96	23.00
		1	24	21.87	21.51	21.79	23.00
		12	0	20.92	20.79	20.54	22.00



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		12	6	20.80	20.73	20.79	22.00
		12	13	21.03	21.09	20.95	22.00
		25	0	20.72	20.65	20.71	22.00
	64QAM	1	0	20.93	20.90	20.84	22.00
		1	13	20.71	20.67	20.57	22.00
		1	24	20.68	20.84	20.87	22.00
		12	0	20.01	19.75	19.70	21.00
		12	6	20.04	19.99	20.08	21.00
		12	13	19.78	19.65	19.77	21.00
		25	0	19.92	19.92	19.90	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23095	/	
10MHz	QPSK	1	0	/	23.04	/	24.00
		1	25	/	22.96	/	24.00
		1	49	/	22.90	/	24.00
		25	0	/	22.09	/	23.00
		25	13	/	21.97	/	23.00
		25	25	/	22.04	/	23.00
		50	0	/	22.00	/	23.00
	16QAM	1	0	/	21.96	/	23.00
		1	25	/	22.06	/	23.00
		1	49	/	21.89	/	23.00
		25	0	/	20.93	/	22.00
		25	13	/	21.04	/	22.00
		25	25	/	21.00	/	22.00
		50	0	/	20.98	/	22.00
	64QAM	1	0	/	20.87	/	22.00
		1	25	/	20.89	/	22.00
		1	49	/	21.00	/	22.00
		25	0	/	20.08	/	21.00
		25	13	/	20.03	/	21.00
		25	25	/	19.96	/	21.00
		50	0	/	19.92	/	21.00

1.2 Conducted Power of Legacy (Ant2)

GSM 1900 ECI 2									
Burst Output Power(dBm)					Division Factors	Frame-Average Output Power(dBm)			
Channel	512	661	810	Tune up		512	661	810	Tune up



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GSM(GMSK)	GSM	29.42	29.44	29.50	30.50	-9.19	20.23	20.25	20.31	21.31
GPRS (GMSK)	1 TX Slot	29.40	29.42	29.49	30.50	-9.19	20.21	20.23	20.30	21.31
	2 TX Slots	28.57	28.62	28.74	29.50	-6.18	22.39	22.44	22.56	23.32
	3 TX Slots	26.72	26.77	26.92	27.50	-4.42	22.30	22.35	22.50	23.08
	4 TX Slots	25.61	25.66	25.81	26.50	-3.17	22.44	22.49	22.64	23.33

GSM 1900 ECI 4/7										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GSM(GMSK)	GSM	28.84	28.76	28.79	29.50	-9.19	19.65	19.57	19.60	20.31
GPRS (GMSK)	1 TX Slot	28.77	28.83	28.86	29.50	-9.19	19.58	19.64	19.67	20.31
	2 TX Slots	26.15	26.20	26.21	27.50	-6.18	19.97	20.02	20.03	21.32
	3 TX Slots	24.50	24.42	24.44	25.50	-4.42	20.08	20.00	20.02	21.08
	4 TX Slots	23.17	23.13	23.20	24.50	-3.17	20.00	19.96	20.03	21.33

LTE Band 2 ECI 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	22.68	22.58	22.72	24.00
		1	2	22.73	22.62	22.52	24.00
		1	5	22.81	22.77	22.80	24.00
		3	0	22.60	22.71	22.65	24.00
		3	2	22.60	22.67	22.62	24.00
		3	3	22.66	22.68	22.60	24.00
		6	0	21.54	21.58	21.54	23.00
	16QAM	1	0	21.66	21.61	21.77	23.00
		1	2	21.65	21.94	21.90	23.00
		1	5	21.57	21.79	21.71	23.00
		3	0	21.73	21.77	21.55	23.00
		3	2	21.56	21.60	21.66	23.00
		3	3	21.78	21.74	21.75	23.00
		6	0	20.55	20.68	20.63	22.00
	64QAM	1	0	20.44	20.72	20.68	22.00
		1	2	20.66	20.76	20.50	22.00
		1	5	20.78	20.65	20.68	22.00
		3	0	20.60	20.81	20.55	22.00
		3	2	20.45	20.61	20.60	22.00
		3	3	20.56	20.82	20.67	22.00
		6	0	19.45	19.56	19.76	21.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	22.57	22.39	22.57	24.00
		1	7	22.67	22.53	22.61	24.00
		1	14	22.60	22.46	22.99	24.00
		8	0	21.61	21.57	21.72	23.00
		8	4	21.73	21.55	21.80	23.00
		8	7	21.60	21.67	21.51	23.00
		15	0	21.48	21.72	21.72	23.00
	16QAM	1	0	21.57	21.74	21.71	23.00
		1	7	21.81	21.87	21.61	23.00
		1	14	21.62	21.59	21.60	23.00
		8	0	20.56	20.76	20.79	22.00
		8	4	20.52	20.53	20.57	22.00
		8	7	20.58	20.55	20.78	22.00
		15	0	20.62	20.56	20.60	22.00
	64QAM	1	0	20.48	20.64	20.88	22.00
		1	7	20.59	20.47	20.35	22.00
		1	14	20.52	20.66	20.39	22.00
		8	0	19.42	19.70	19.68	21.00
		8	4	19.73	19.55	19.46	21.00
		8	7	19.69	19.67	19.46	21.00
		15	0	19.46	19.67	19.51	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	22.53	22.42	22.64	24.00
		1	13	22.68	22.50	22.49	24.00
		1	24	22.83	22.58	22.72	24.00
		12	0	21.48	21.74	21.55	23.00
		12	6	21.66	21.53	21.70	23.00
		12	13	21.67	21.51	21.55	23.00
		25	0	21.58	21.69	21.68	23.00
	16QAM	1	0	21.62	21.72	21.82	23.00
		1	13	21.67	21.70	21.88	23.00
		1	24	21.51	21.76	21.64	23.00
		12	0	20.51	20.73	20.69	22.00
		12	6	20.45	20.61	20.70	22.00
		12	13	20.51	20.67	20.74	22.00
		25	0	20.37	20.64	20.55	22.00
	64QAM	1	0	20.44	20.64	20.65	22.00



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		1	13	20.36	20.51	20.31	22.00
		1	24	20.58	20.67	20.41	22.00
		12	0	19.43	19.50	19.61	21.00
		12	6	19.70	19.44	19.49	21.00
		12	13	19.67	19.63	19.55	21.00
		25	0	19.64	19.46	19.73	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	22.75	22.63	22.48	24.00
		1	25	22.80	22.52	22.47	24.00
		1	49	22.61	22.62	22.96	24.00
		25	0	21.69	21.60	21.51	23.00
		25	13	21.62	21.74	21.77	23.00
		25	25	21.76	21.71	21.53	23.00
		50	0	21.61	21.52	21.61	23.00
	16QAM	1	0	21.67	21.77	21.88	23.00
		1	25	21.80	21.92	21.62	23.00
		1	49	21.66	21.73	21.71	23.00
		25	0	20.58	20.50	20.66	22.00
		25	13	20.46	20.58	20.74	22.00
		25	25	20.58	20.59	20.66	22.00
		50	0	20.60	20.58	20.56	22.00
	64QAM	1	0	20.37	20.69	20.87	22.00
		1	25	20.58	20.65	20.48	22.00
		1	49	20.45	20.55	20.41	22.00
		25	0	19.49	19.56	19.52	21.00
		25	13	19.75	19.61	19.58	21.00
		25	25	19.50	19.74	19.55	21.00
		50	0	19.61	19.41	19.59	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	22.80	22.63	22.65	24.00
		1	38	22.62	22.46	22.54	24.00
		1	74	22.62	22.61	22.76	24.00
		36	0	21.54	21.67	21.73	23.00
		36	18	21.71	21.52	21.61	23.00
		36	39	21.61	21.64	21.52	23.00
		75	0	21.50	21.56	21.71	23.00
	16QAM	1	0	21.57	21.58	21.95	23.00
		1	38	21.82	21.71	21.62	23.00



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		1	74	21.76	21.70	21.69	23.00
		36	0	20.37	20.60	20.64	22.00
		36	18	20.47	20.68	20.76	22.00
		36	39	20.43	20.51	20.76	22.00
		75	0	20.38	20.49	20.72	22.00
	64QAM	1	0	20.56	20.59	20.91	22.00
		1	38	20.53	20.53	20.58	22.00
		1	74	20.69	20.74	20.51	22.00
		36	0	19.69	19.74	19.57	21.00
		36	18	19.65	19.51	19.70	21.00
		36	39	19.76	19.59	19.75	21.00
		75	0	19.50	19.69	19.65	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	22.82	22.67	22.71	24.00
		1	50	22.89	22.76	23.00	24.00
		1	99	22.87	22.61	22.76	24.00
		50	0	21.76	21.75	21.77	23.00
		50	25	21.77	21.76	21.82	23.00
		50	50	21.73	21.72	21.77	23.00
		100	0	21.74	21.77	21.78	23.00
	16QAM	1	0	21.83	21.78	21.96	23.00
		1	50	21.83	21.94	21.89	23.00
		1	99	21.81	21.88	21.77	23.00
		50	0	20.62	20.76	20.81	22.00
		50	25	20.54	20.73	20.79	22.00
		50	50	20.67	20.79	20.78	22.00
		100	0	20.63	20.73	20.77	22.00
	64QAM	1	0	20.58	20.79	20.93	22.00
		1	50	20.64	20.73	20.61	22.00
		1	99	20.74	20.83	20.66	22.00
		50	0	19.72	19.74	19.82	21.00
		50	25	19.76	19.68	19.76	21.00
		50	50	19.77	19.79	19.76	21.00
		100	0	19.69	19.71	19.77	21.00

LTE Band 2 ECI 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	



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1.4MHz	QPSK	1	0	19.55	19.96	19.65	21.00
		1	2	19.56	19.92	19.57	21.00
		1	5	19.56	19.96	19.93	21.00
		3	0	19.72	19.70	19.59	21.00
		3	2	19.78	19.93	19.89	21.00
		3	3	19.67	19.59	19.78	21.00
		6	0	19.90	19.90	19.83	21.00
	16QAM	1	0	19.81	19.94	19.63	21.00
		1	2	19.60	19.61	19.77	21.00
		1	5	19.93	19.69	19.69	21.00
		3	0	19.62	19.62	19.59	21.00
		3	2	19.87	19.46	19.49	21.00
		3	3	19.67	19.58	20.03	21.00
		6	0	19.69	19.83	19.61	21.00
	64QAM	1	0	19.92	19.80	19.78	21.00
		1	2	19.79	19.78	19.69	21.00
		1	5	19.75	19.95	19.81	21.00
		3	0	19.79	19.85	19.86	21.00
		3	2	19.67	19.79	19.65	21.00
		3	3	19.91	19.69	19.60	21.00
		6	0	19.77	19.81	19.95	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	19.69	19.87	19.71	21.00
		1	7	19.63	19.74	19.79	21.00
		1	14	19.71	19.75	19.87	21.00
		8	0	19.92	19.95	19.63	21.00
		8	4	19.48	19.76	19.78	21.00
		8	7	19.75	19.70	19.78	21.00
		15	0	19.74	19.74	19.79	21.00
	16QAM	1	0	19.61	19.93	19.52	21.00
		1	7	19.65	19.78	19.68	21.00
		1	14	19.70	19.60	19.90	21.00
		8	0	19.65	19.69	19.77	21.00
		8	4	19.95	19.47	19.65	21.00
		8	7	19.85	19.51	19.85	21.00
		15	0	19.73	19.98	19.69	21.00
	64QAM	1	0	19.77	19.92	19.89	21.00
		1	7	19.63	19.66	19.83	21.00
		1	14	19.72	19.84	19.61	21.00



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		8	0	19.83	19.77	19.89	21.00
		8	4	19.90	19.65	19.81	21.00
		8	7	19.78	19.85	19.67	21.00
		15	0	19.82	19.69	19.72	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	19.77	20.00	19.85	21.00
		1	13	19.57	19.83	19.82	21.00
		1	24	19.65	19.86	19.90	21.00
		12	0	19.70	19.94	19.57	21.00
		12	6	19.55	19.85	19.74	21.00
		12	13	19.79	19.74	19.76	21.00
		25	0	19.61	19.77	19.64	21.00
	16QAM	1	0	19.73	19.83	19.73	21.00
		1	13	19.82	19.68	19.76	21.00
		1	24	19.77	19.70	19.74	21.00
		12	0	19.79	19.79	19.62	21.00
		12	6	19.81	19.61	19.56	21.00
		12	13	19.76	19.73	19.76	21.00
		25	0	19.93	19.97	19.55	21.00
	64QAM	1	0	19.79	19.77	19.87	21.00
		1	13	19.58	19.74	19.68	21.00
		1	24	19.84	19.80	19.76	21.00
		12	0	19.77	19.97	20.01	21.00
		12	6	19.77	19.67	19.72	21.00
		12	13	19.61	19.82	19.64	21.00
		25	0	19.80	19.67	19.82	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	19.77	19.88	19.69	21.00
		1	25	19.72	19.87	19.86	21.00
		1	49	19.64	19.86	19.93	21.00
		25	0	19.87	19.73	19.56	21.00
		25	13	19.56	19.78	19.69	21.00
		25	25	19.73	19.68	20.01	21.00
		50	0	19.73	19.68	19.84	21.00
	16QAM	1	0	19.63	19.87	19.79	21.00
		1	25	19.76	19.61	19.51	21.00
		1	49	20.00	19.55	19.65	21.00
		25	0	19.84	19.60	19.66	21.00



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		25	13	19.99	19.74	19.56	21.00
		25	25	19.62	19.59	19.78	21.00
		50	0	19.74	19.94	19.74	21.00
	64QAM	1	0	20.00	19.76	19.85	21.00
		1	25	19.60	19.57	19.83	21.00
		1	49	19.76	19.82	19.62	21.00
		25	0	19.77	20.02	20.02	21.00
		25	13	19.82	19.74	19.75	21.00
		25	25	19.71	19.65	19.63	21.00
		50	0	19.79	19.59	19.85	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	19.55	20.04	19.71	21.00
		1	38	19.77	19.98	19.70	21.00
		1	74	19.82	19.82	20.06	21.00
		36	0	19.87	19.91	19.67	21.00
		36	18	19.66	19.91	19.69	21.00
		36	39	19.89	19.67	19.73	21.00
		75	0	19.85	19.75	19.82	21.00
	16QAM	1	0	19.71	19.73	19.57	21.00
		1	38	19.62	19.55	19.54	21.00
		1	74	19.89	19.67	19.87	21.00
		36	0	19.60	19.67	19.76	21.00
		36	18	19.80	19.59	19.75	21.00
		36	39	19.78	19.68	19.91	21.00
		75	0	19.95	19.85	19.71	21.00
	64QAM	1	0	19.79	19.81	19.73	21.00
		1	38	19.65	19.70	19.74	21.00
		1	74	19.81	19.96	19.81	21.00
		36	0	19.80	20.03	19.76	21.00
		36	18	19.91	19.68	19.84	21.00
		36	39	19.87	19.72	19.59	21.00
		75	0	19.81	19.54	19.97	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	19.69	19.89	19.72	21.00
		1	50	19.70	19.87	19.92	21.00
		1	99	19.68	19.84	19.82	21.00
		50	0	19.79	19.85	19.64	21.00
		50	25	19.63	19.81	19.82	21.00



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		50	50	19.75	19.73	19.86	21.00
		100	0	19.76	19.83	19.74	21.00
	16QAM	1	0	19.67	19.86	19.64	21.00
		1	50	19.75	19.63	19.62	21.00
		1	99	19.85	19.67	19.79	21.00
		50	0	19.75	19.64	19.64	21.00
		50	25	19.85	19.61	19.63	21.00
		50	50	19.71	19.65	19.91	21.00
		100	0	19.84	19.84	19.68	21.00
	64QAM	1	0	19.86	19.82	19.74	21.00
		1	50	19.71	19.63	19.78	21.00
		1	99	19.79	19.88	19.76	21.00
		50	0	19.78	19.89	19.88	21.00
		50	25	19.77	19.77	19.73	21.00
		50	50	19.76	19.79	19.73	21.00
		100	0	19.77	19.69	19.82	21.00

LTE Band 2 ECI 7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	19.33	19.20	19.13	20.50
		1	2	19.20	19.25	19.42	20.50
		1	5	18.93	19.26	19.29	20.50
		3	0	19.18	19.27	19.07	20.50
		3	2	19.16	19.08	19.19	20.50
		3	3	19.22	19.28	19.36	20.50
		6	0	19.10	19.33	19.17	20.50
	16QAM	1	0	19.18	19.16	18.99	20.50
		1	2	19.12	19.17	19.08	20.50
		1	5	19.45	18.92	19.14	20.50
		3	0	19.17	19.11	19.08	20.50
		3	2	19.20	18.93	19.03	20.50
		3	3	19.15	18.99	19.45	20.50
		6	0	19.30	19.31	19.01	20.50
	64QAM	1	0	19.38	19.32	19.19	20.50
		1	2	19.34	19.10	19.24	20.50
		1	5	19.19	19.14	18.99	20.50
		3	0	19.17	19.45	19.46	20.50
		3	2	19.10	19.19	19.07	20.50



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		3	3	19.43	19.16	19.25	20.50
		6	0	19.25	19.16	19.44	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	19.17	19.13	19.23	20.50
		1	7	19.19	19.26	19.38	20.50
		1	14	19.07	19.20	19.26	20.50
		8	0	19.21	19.28	18.99	20.50
		8	4	19.04	19.19	19.19	20.50
		8	7	19.11	19.23	19.21	20.50
		15	0	19.14	19.29	19.21	20.50
	16QAM	1	0	19.30	19.22	19.12	20.50
		1	7	19.12	19.07	19.13	20.50
		1	14	19.26	18.98	19.17	20.50
		8	0	19.19	19.03	19.12	20.50
		8	4	19.17	18.92	18.92	20.50
		8	7	19.20	19.16	19.18	20.50
		15	0	19.20	19.24	19.18	20.50
	64QAM	1	0	19.28	19.25	19.36	20.50
		1	7	19.37	19.19	19.36	20.50
		1	14	19.20	19.25	19.01	20.50
		8	0	19.13	19.50	19.42	20.50
		8	4	19.12	19.14	19.12	20.50
		8	7	19.43	19.20	19.14	20.50
		15	0	19.29	19.02	19.31	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	19.23	19.18	19.16	20.50
		1	13	19.24	19.35	19.24	20.50
		1	24	19.04	19.23	19.32	20.50
		12	0	19.20	19.14	18.93	20.50
		12	6	19.01	19.13	19.21	20.50
		12	13	19.14	19.17	19.34	20.50
		25	0	19.21	19.33	19.21	20.50
	16QAM	1	0	19.26	19.15	18.96	20.50
		1	13	19.14	19.17	19.03	20.50
		1	24	19.31	19.01	19.11	20.50
		12	0	19.20	18.96	19.06	20.50
		12	6	19.28	19.06	18.92	20.50
		12	13	19.03	19.12	19.22	20.50



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		25	0	19.27	19.16	19.17	20.50
	64QAM	1	0	19.27	19.15	19.20	20.50
		1	13	19.23	19.13	19.37	20.50
		1	24	19.26	19.11	19.04	20.50
		12	0	19.11	19.48	19.53	20.50
		12	6	19.15	19.15	19.11	20.50
		12	13	19.44	19.15	19.14	20.50
		25	0	19.21	19.02	19.41	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	19.22	19.12	19.20	20.50
		1	25	19.22	19.37	19.39	20.50
		1	49	19.07	19.18	19.25	20.50
		25	0	19.20	19.10	18.91	20.50
		25	13	19.05	19.04	19.22	20.50
		25	25	19.09	19.22	19.22	20.50
		50	0	19.09	19.28	19.24	20.50
	16QAM	1	0	19.23	19.27	19.06	20.50
		1	25	19.26	19.10	19.18	20.50
		1	49	19.20	18.94	19.03	20.50
		25	0	19.22	19.01	19.16	20.50
		25	13	19.21	18.99	19.11	20.50
		25	25	19.20	19.09	19.21	20.50
		50	0	19.25	19.36	19.06	20.50
	64QAM	1	0	19.26	19.30	19.33	20.50
		1	25	19.39	19.03	19.33	20.50
		1	49	19.09	19.17	19.14	20.50
		25	0	19.15	19.38	19.37	20.50
		25	13	19.22	19.05	19.21	20.50
		25	25	19.40	19.13	19.15	20.50
		50	0	19.30	19.11	19.28	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	19.16	19.22	19.10	20.50
		1	38	19.17	19.38	19.28	20.50
		1	74	18.90	19.26	19.27	20.50
		36	0	19.10	19.16	19.04	20.50
		36	18	18.99	19.17	19.17	20.50
		36	39	19.19	19.31	19.29	20.50
		75	0	19.18	19.28	19.16	20.50



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		1	0	19.10	19.25	19.06	20.50
		1	38	19.29	19.09	19.05	20.50
		1	74	19.18	18.90	19.09	20.50
	16QAM	36	0	19.30	19.08	19.03	20.50
		36	18	19.25	19.06	19.07	20.50
		36	39	19.13	19.17	19.19	20.50
		75	0	19.31	19.19	19.15	20.50
		1	0	19.29	19.31	19.31	20.50
		1	38	19.21	19.05	19.27	20.50
		1	74	19.13	19.15	19.16	20.50
	64QAM	36	0	19.16	19.32	19.54	20.50
		36	18	19.21	19.23	19.02	20.50
		36	39	19.29	19.33	19.20	20.50
		75	0	19.32	19.11	19.44	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
		1	0	19.25	19.19	19.16	20.50
		1	50	19.15	19.26	19.32	20.50
		1	99	18.99	19.21	19.27	20.50
	QPSK	50	0	19.15	19.19	19.01	20.50
		50	25	19.09	19.12	19.24	20.50
		50	50	19.16	19.23	19.29	20.50
		100	0	19.17	19.31	19.22	20.50
		1	0	19.20	19.21	19.03	20.50
		1	50	19.19	19.15	19.12	20.50
		1	99	19.21	18.98	19.11	20.50
	16QAM	50	0	19.27	19.03	19.08	20.50
		50	25	19.26	19.02	19.02	20.50
		50	50	19.13	19.07	19.22	20.50
		100	0	19.21	19.28	19.09	20.50
		1	0	19.30	19.25	19.27	20.50
		1	50	19.31	19.12	19.14	20.50
		1	99	19.19	19.18	19.08	20.50
	64QAM	50	0	19.13	19.40	19.44	20.50
		50	25	19.20	19.14	19.11	20.50
		50	50	19.36	19.23	19.20	20.50
		100	0	19.31	19.11	19.35	20.50

LTE Band 4 ECI 2	Conducted Power(dBm)
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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	22.61	22.70	22.64	24.00
		1	2	22.55	22.58	22.36	24.00
		1	5	22.63	22.72	22.80	24.00
		3	0	22.86	22.74	22.80	24.00
		3	2	22.72	22.87	22.67	24.00
		3	3	22.73	22.67	22.86	24.00
		6	0	21.58	21.63	21.55	23.00
	16QAM	1	0	21.83	21.66	21.63	23.00
		1	2	21.52	21.58	21.46	23.00
		1	5	21.36	21.47	21.36	23.00
		3	0	21.73	21.67	21.60	23.00
		3	2	21.61	21.73	21.57	23.00
		3	3	21.45	21.64	21.53	23.00
		6	0	20.71	20.74	20.71	22.00
	64QAM	1	0	20.87	20.61	20.63	22.00
		1	2	20.59	20.52	20.51	22.00
		1	5	20.78	20.93	20.88	22.00
		3	0	20.62	20.66	20.77	22.00
		3	2	20.57	20.78	20.57	22.00
		3	3	20.69	20.57	20.55	22.00
		6	0	19.74	19.81	19.80	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	22.66	22.69	22.64	24.00
		1	7	22.52	22.47	22.63	24.00
		1	14	22.64	22.76	22.88	24.00
		8	0	21.67	21.75	21.66	23.00
		8	4	21.74	21.62	21.83	23.00
		8	7	21.70	21.81	21.72	23.00
		15	0	21.57	21.60	21.73	23.00
	16QAM	1	0	21.81	21.63	21.76	23.00
		1	7	21.49	21.66	21.63	23.00
		1	14	21.39	21.25	21.30	23.00
		8	0	20.66	20.78	20.67	22.00
		8	4	20.83	20.67	20.71	22.00
		8	7	20.79	20.61	20.86	22.00
		15	0	20.62	20.53	20.70	22.00
	64QAM	1	0	20.59	20.73	20.67	22.00



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		1	7	20.54	20.56	20.57	22.00
		1	14	20.69	20.93	20.81	22.00
		8	0	19.51	19.70	19.46	21.00
		8	4	19.55	19.79	19.75	21.00
		8	7	19.85	19.57	19.75	21.00
		15	0	19.53	19.72	19.61	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	22.50	22.71	22.76	24.00
		1	13	22.63	22.54	22.45	24.00
		1	24	22.83	22.60	22.75	24.00
		12	0	21.65	21.51	21.71	23.00
		12	6	21.66	21.83	21.74	23.00
		12	13	21.57	21.60	21.67	23.00
		25	0	21.68	21.74	21.58	23.00
	16QAM	1	0	21.79	21.77	21.68	23.00
		1	13	21.54	21.74	21.73	23.00
		1	24	21.27	21.43	21.31	23.00
		12	0	20.59	20.72	20.71	22.00
		12	6	20.82	20.80	20.71	22.00
		12	13	20.84	20.82	20.82	22.00
		25	0	20.62	20.61	20.74	22.00
	64QAM	1	0	20.71	20.72	20.87	22.00
		1	13	20.55	20.65	20.62	22.00
		1	24	20.84	20.76	20.89	22.00
		12	0	19.60	19.49	19.60	21.00
		12	6	19.81	19.78	19.60	21.00
		12	13	19.80	19.68	19.71	21.00
		25	0	19.66	19.72	19.61	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	22.69	22.56	22.70	24.00
		1	25	22.66	22.57	22.65	24.00
		1	49	22.74	22.82	22.85	24.00
		25	0	21.61	21.66	21.79	23.00
		25	13	21.77	21.58	21.54	23.00
		25	25	21.82	21.67	21.77	23.00
		50	0	21.65	21.69	21.81	23.00
	16QAM	1	0	21.92	21.63	21.90	23.00
		1	25	21.62	21.44	21.69	23.00



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		1	49	21.35	21.52	21.24	23.00
		25	0	20.61	20.49	20.78	22.00
		25	13	20.77	20.62	20.75	22.00
		25	25	20.64	20.75	20.72	22.00
		50	0	20.74	20.82	20.52	22.00
	64QAM	1	0	20.69	20.69	20.79	22.00
		1	25	20.40	20.44	20.52	22.00
		1	49	20.95	20.84	20.77	22.00
		25	0	19.47	19.65	19.71	21.00
		25	13	19.79	19.75	19.73	21.00
		25	25	19.63	19.81	19.67	21.00
		50	0	19.73	19.76	19.62	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	22.69	22.63	22.59	24.00
		1	38	22.37	22.65	22.64	24.00
		1	74	22.88	22.85	22.81	24.00
		36	0	21.75	21.56	21.68	23.00
		36	18	21.82	21.74	21.63	23.00
		36	39	21.72	21.59	21.78	23.00
		75	0	21.67	21.66	21.58	23.00
	16QAM	1	0	21.93	21.64	21.79	23.00
		1	38	21.73	21.58	21.63	23.00
		1	74	21.24	21.45	21.30	23.00
		36	0	20.65	20.61	20.55	22.00
		36	18	20.67	20.53	20.64	22.00
		36	39	20.74	20.67	20.78	22.00
		75	0	20.52	20.54	20.55	22.00
	64QAM	1	0	20.81	20.82	20.89	22.00
		1	38	20.38	20.51	20.48	22.00
		1	74	20.69	20.76	20.70	22.00
		36	0	19.61	19.56	19.56	21.00
		36	18	19.53	19.54	19.78	21.00
		36	39	19.75	19.83	19.75	21.00
		75	0	19.60	19.77	19.57	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	22.77	/	24.00
		1	50	/	22.66	/	24.00
		1	99	/	22.90	/	24.00



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		50	0	/	21.79	/	23.00
		50	25	/	21.84	/	23.00
		50	50	/	21.83	/	23.00
		100	0	/	21.83	/	23.00
	16QAM	1	0	/	21.93	/	23.00
		1	50	/	21.74	/	23.00
		1	99	/	21.54	/	23.00
		50	0	/	20.79	/	22.00
		50	25	/	20.83	/	22.00
		50	50	/	20.88	/	22.00
		100	0	/	20.82	/	22.00
	64QAM	1	0	/	20.89	/	22.00
		1	50	/	20.68	/	22.00
		1	99	/	20.95	/	22.00
		50	0	/	19.74	/	21.00
		50	25	/	19.81	/	21.00
		50	50	/	19.86	/	21.00
		100	0	/	19.82	/	21.00

LTE Band 4 ECI 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	19.57	19.70	19.61	21.00
		1	2	19.79	19.70	19.60	21.00
		1	5	19.82	19.74	19.91	21.00
		3	0	19.65	19.75	19.63	21.00
		3	2	19.89	19.76	19.74	21.00
		3	3	19.78	19.55	19.53	21.00
		6	0	19.54	19.65	19.67	21.00
	16QAM	1	0	19.74	19.65	19.90	21.00
		1	2	19.65	19.60	19.65	21.00
		1	5	19.96	19.99	19.84	21.00
		3	0	19.75	19.85	19.81	21.00
		3	2	19.71	19.81	19.55	21.00
		3	3	19.75	19.80	19.78	21.00
		6	0	19.80	19.71	19.75	21.00
	64QAM	1	0	19.72	19.69	19.67	21.00
		1	2	19.82	19.77	19.77	21.00
		1	5	19.77	19.73	19.68	21.00



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		3	0	19.77	19.78	19.78	21.00
		3	2	19.62	19.62	19.77	21.00
		3	3	19.49	19.65	19.49	21.00
		6	0	19.78	19.72	19.69	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	19.73	19.66	19.80	21.00
		1	7	19.66	19.58	19.66	21.00
		1	14	19.95	19.79	19.85	21.00
		8	0	19.64	19.75	19.76	21.00
		8	4	19.89	19.82	19.77	21.00
		8	7	19.71	19.72	19.72	21.00
		15	0	19.51	19.61	19.66	21.00
	16QAM	1	0	19.66	19.77	19.85	21.00
		1	7	19.62	19.58	19.65	21.00
		1	14	19.90	19.88	19.89	21.00
		8	0	19.85	19.88	19.69	21.00
		8	4	19.71	19.71	19.67	21.00
		8	7	19.70	19.88	19.75	21.00
		15	0	19.90	19.67	19.75	21.00
	64QAM	1	0	19.66	19.65	19.61	21.00
		1	7	19.83	19.73	19.86	21.00
		1	14	19.85	19.86	19.77	21.00
		8	0	19.70	19.81	19.81	21.00
		8	4	19.59	19.65	19.74	21.00
		8	7	19.52	19.51	19.66	21.00
		15	0	19.71	19.67	19.68	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	19.58	19.76	19.79	21.00
		1	13	19.77	19.67	19.59	21.00
		1	24	19.94	19.87	20.04	21.00
		12	0	19.77	19.83	19.82	21.00
		12	6	19.89	19.72	19.78	21.00
		12	13	19.78	19.56	19.63	21.00
		25	0	19.63	19.63	19.63	21.00
	16QAM	1	0	19.57	19.66	19.75	21.00
		1	13	19.62	19.49	19.68	21.00
		1	24	19.97	19.97	19.88	21.00
		12	0	19.80	19.86	19.67	21.00



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		12	6	19.70	19.68	19.53	21.00
		12	13	19.59	19.75	19.71	21.00
		25	0	19.87	19.68	19.79	21.00
	64QAM	1	0	19.82	19.60	19.61	21.00
		1	13	19.69	19.84	19.94	21.00
		1	24	19.79	19.72	19.66	21.00
		12	0	19.63	19.68	19.85	21.00
		12	6	19.51	19.63	19.70	21.00
		12	13	19.61	19.57	19.65	21.00
		25	0	19.65	19.77	19.61	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	19.67	19.62	19.62	21.00
		1	25	19.63	19.76	19.66	21.00
		1	49	19.82	19.81	19.97	21.00
		25	0	19.69	19.84	19.81	21.00
		25	13	19.92	19.86	19.74	21.00
		25	25	19.62	19.57	19.55	21.00
		50	0	19.60	19.54	19.60	21.00
	16QAM	1	0	19.69	19.62	19.77	21.00
		1	25	19.66	19.49	19.60	21.00
		1	49	19.84	19.90	19.88	21.00
		25	0	19.86	19.88	19.70	21.00
		25	13	19.64	19.64	19.52	21.00
		25	25	19.58	19.78	19.77	21.00
		50	0	19.83	19.73	19.80	21.00
	64QAM	1	0	19.81	19.61	19.69	21.00
		1	25	19.83	19.72	19.93	21.00
		1	49	19.70	19.71	19.84	21.00
		25	0	19.67	19.85	19.83	21.00
		25	13	19.68	19.78	19.78	21.00
		25	25	19.62	19.63	19.65	21.00
		50	0	19.84	19.61	19.68	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	19.64	19.70	19.70	21.00
		1	38	19.69	19.66	19.67	21.00
		1	74	19.86	19.80	19.94	21.00
		36	0	19.74	19.83	19.73	21.00
		36	18	19.84	19.79	19.83	21.00



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	16QAM	36	39	19.68	19.65	19.63	21.00
		75	0	19.61	19.59	19.68	21.00
		1	0	19.66	19.70	19.80	21.00
		1	38	19.61	19.55	19.69	21.00
		1	74	19.90	19.93	19.82	21.00
		36	0	19.79	19.86	19.75	21.00
		36	18	19.69	19.73	19.61	21.00
		36	39	19.67	19.78	19.68	21.00
		75	0	19.83	19.71	19.84	21.00
	64QAM	1	0	19.73	19.68	19.67	21.00
		1	38	19.75	19.79	19.84	21.00
		1	74	19.79	19.79	19.76	21.00
		36	0	19.73	19.77	19.87	21.00
		36	18	19.59	19.68	19.72	21.00
		36	39	19.59	19.56	19.59	21.00
		75	0	19.74	19.71	19.59	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	19.74	/	21.00
		1	50	/	19.86	/	21.00
		1	99	/	19.94	/	21.00
		50	0	/	19.89	/	21.00
		50	25	/	19.90	/	21.00
		50	50	/	19.81	/	21.00
		100	0	/	19.75	/	21.00
	16QAM	1	0	/	19.76	/	21.00
		1	50	/	19.65	/	21.00
		1	99	/	19.80	/	21.00
		50	0	/	19.78	/	21.00
		50	25	/	19.69	/	21.00
		50	50	/	19.73	/	21.00
		100	0	/	19.76	/	21.00
	64QAM	1	0	/	19.71	/	21.00
		1	50	/	19.83	/	21.00
		1	99	/	19.71	/	21.00
		50	0	/	19.80	/	21.00
		50	25	/	19.69	/	21.00
		50	50	/	19.64	/	21.00
		100	0	/	19.67	/	21.00



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LTE Band 4 ECI 7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	17.61	17.78	17.73	19.00
		1	2	17.59	17.61	17.64	19.00
		1	5	17.78	17.80	17.86	19.00
		3	0	17.83	17.85	17.81	19.00
		3	2	17.77	17.88	17.82	19.00
		3	3	17.62	17.64	17.53	19.00
		6	0	17.69	17.63	17.70	19.00
	16QAM	1	0	17.64	17.78	17.83	19.00
		1	2	17.57	17.56	17.63	19.00
		1	5	17.83	17.89	17.77	19.00
		3	0	17.72	17.81	17.79	19.00
		3	2	17.74	17.63	17.60	19.00
		3	3	17.74	17.70	17.74	19.00
		6	0	17.73	17.64	17.93	19.00
	64QAM	1	0	17.66	17.73	17.62	19.00
		1	2	17.81	17.73	17.82	19.00
		1	5	17.82	17.81	17.76	19.00
		3	0	17.77	17.74	17.90	19.00
		3	2	17.65	17.64	17.71	19.00
		3	3	17.55	17.46	17.60	19.00
		6	0	17.64	17.76	17.52	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	17.54	17.71	17.72	19.00
		1	7	17.79	17.72	17.65	19.00
		1	14	17.83	17.70	18.00	19.00
		8	0	17.71	17.77	17.73	19.00
		8	4	17.94	17.79	17.84	19.00
		8	7	17.69	17.63	17.58	19.00
		15	0	17.71	17.58	17.68	19.00
	16QAM	1	0	17.73	17.71	17.85	19.00
		1	7	17.65	17.58	17.74	19.00
		1	14	17.99	17.93	17.91	19.00
		8	0	17.89	17.92	17.78	19.00
		8	4	17.63	17.82	17.68	19.00



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		8	7	17.57	17.78	17.76	19.00
		15	0	17.84	17.77	17.81	19.00
	64QAM	1	0	17.70	17.59	17.64	19.00
		1	7	17.65	17.84	17.92	19.00
		1	14	17.88	17.73	17.71	19.00
		8	0	17.74	17.69	17.94	19.00
		8	4	17.65	17.76	17.72	19.00
		8	7	17.60	17.66	17.61	19.00
		15	0	17.81	17.69	17.54	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	17.63	17.60	17.62	19.00
		1	13	17.62	17.75	17.59	19.00
		1	24	17.79	17.88	18.00	19.00
		12	0	17.80	17.91	17.63	19.00
		12	6	17.87	17.69	17.87	19.00
		12	13	17.71	17.56	17.66	19.00
		25	0	17.51	17.56	17.65	19.00
		1	0	17.65	17.69	17.85	19.00
	16QAM	1	13	17.60	17.51	17.60	19.00
		1	24	17.89	18.00	17.72	19.00
		12	0	17.83	17.90	17.74	19.00
		12	6	17.79	17.64	17.63	19.00
		12	13	17.61	17.84	17.62	19.00
		25	0	17.86	17.76	17.76	19.00
		1	0	17.76	17.62	17.65	19.00
		1	13	17.75	17.75	17.77	19.00
	64QAM	1	24	17.85	17.85	17.68	19.00
		12	0	17.71	17.68	17.87	19.00
		12	6	17.69	17.67	17.70	19.00
		12	13	17.64	17.65	17.67	19.00
		25	0	17.78	17.70	17.64	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	17.68	17.70	17.67	19.00
		1	25	17.67	17.67	17.65	19.00
		1	49	17.86	17.72	17.94	19.00
		25	0	17.79	17.92	17.64	19.00
		25	13	17.89	17.78	17.80	19.00
		25	25	17.70	17.72	17.66	19.00



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		50	0	17.66	17.65	17.64	19.00
	16QAM	1	0	17.60	17.74	17.80	19.00
		1	25	17.60	17.48	17.65	19.00
		1	49	17.97	18.02	17.78	19.00
		25	0	17.89	17.84	17.73	19.00
		25	13	17.66	17.72	17.68	19.00
		25	25	17.73	17.82	17.67	19.00
		50	0	17.79	17.65	17.81	19.00
	64QAM	1	0	17.72	17.66	17.68	19.00
		1	25	17.77	17.79	17.78	19.00
		1	49	17.74	17.70	17.81	19.00
		25	0	17.73	17.68	17.84	19.00
		25	13	17.49	17.68	17.79	19.00
		25	25	17.69	17.53	17.54	19.00
		50	0	17.79	17.61	17.53	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	17.64	17.70	17.70	19.00
		1	38	17.69	17.66	17.67	19.00
		1	74	17.86	17.80	17.94	19.00
		36	0	17.74	17.83	17.73	19.00
		36	18	17.84	17.79	17.83	19.00
		36	39	17.68	17.65	17.63	19.00
		75	0	17.61	17.59	17.68	19.00
	16QAM	1	0	17.66	17.70	17.80	19.00
		1	38	17.61	17.55	17.69	19.00
		1	74	17.90	17.93	17.82	19.00
		36	0	17.79	17.86	17.75	19.00
		36	18	17.69	17.73	17.61	19.00
		36	39	17.67	17.78	17.68	19.00
		75	0	17.83	17.71	17.84	19.00
	64QAM	1	0	17.73	17.68	17.67	19.00
		1	38	17.75	17.79	17.84	19.00
		1	74	17.79	17.79	17.76	19.00
		36	0	17.73	17.77	17.87	19.00
		36	18	17.59	17.68	17.72	19.00
		36	39	17.59	17.56	17.59	19.00
		75	0	17.74	17.71	17.59	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	



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20MHz	QPSK	1	0	/	17.55	/	19.00
		1	50	/	17.78	/	19.00
		1	99	/	17.91	/	19.00
		50	0	/	17.81	/	19.00
		50	25	/	17.74	/	19.00
		50	50	/	17.72	/	19.00
		100	0	/	17.62	/	19.00
	16QAM	1	0	/	17.58	/	19.00
		1	50	/	17.62	/	19.00
		1	99	/	17.90	/	19.00
		50	0	/	17.75	/	19.00
		50	25	/	17.79	/	19.00
		50	50	/	17.65	/	19.00
		100	0	/	17.84	/	19.00
	64QAM	1	0	/	17.67	/	19.00
		1	50	/	17.81	/	19.00
		1	99	/	17.88	/	19.00
		50	0	/	17.67	/	19.00
		50	25	/	17.51	/	19.00
		50	50	/	17.58	/	19.00
		100	0	/	17.65	/	19.00

LTE Band 38 ECI 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	22.92	22.75	22.70	24.00
		1	13	22.74	22.64	22.88	24.00
		1	24	22.79	22.65	22.52	24.00
		12	0	21.75	21.67	21.80	23.00
		12	6	21.68	21.74	21.55	23.00
		12	13	21.64	21.57	21.77	23.00
		25	0	21.76	21.84	21.71	23.00
	16QAM	1	0	22.13	21.95	22.03	23.00
		1	13	22.08	22.10	21.90	23.00
		1	24	21.92	21.80	21.88	23.00
		12	0	20.90	20.86	20.91	22.00
		12	6	20.99	20.81	20.81	22.00
		12	13	20.93	20.81	20.83	22.00
		25	0	21.01	21.01	20.82	22.00



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		1	0	20.74	20.73	21.02	22.00
		1	13	20.80	20.91	20.72	22.00
		1	24	20.78	20.71	20.64	22.00
	64QAM	12	0	20.09	20.04	19.83	21.00
		12	6	19.90	19.82	19.93	21.00
		12	13	19.77	19.71	19.91	21.00
		25	0	19.78	19.76	19.94	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	22.87	22.75	22.81	24.00
		1	25	22.68	22.77	22.86	24.00
		1	49	22.67	22.74	22.74	24.00
		25	0	21.64	21.80	21.71	23.00
		25	13	21.78	21.60	21.78	23.00
		25	25	21.67	21.59	21.56	23.00
		50	0	21.57	21.55	21.67	23.00
	16QAM	1	0	21.97	21.96	21.97	23.00
		1	25	22.07	22.04	21.83	23.00
		1	49	21.75	21.98	21.89	23.00
		25	0	21.04	20.97	20.88	22.00
		25	13	21.04	20.90	20.77	22.00
		25	25	21.05	21.05	20.83	22.00
		50	0	20.83	20.85	21.06	22.00
	64QAM	1	0	20.73	20.95	20.81	22.00
		1	25	20.93	20.96	20.86	22.00
		1	49	20.77	20.68	20.67	22.00
		25	0	20.00	19.80	19.97	21.00
		25	13	19.90	19.90	19.96	21.00
		25	25	19.78	20.00	19.81	21.00
		50	0	19.97	19.77	19.75	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	22.82	22.77	22.92	24.00
		1	38	22.73	22.66	22.83	24.00
		1	74	22.64	22.72	22.70	24.00
		36	0	21.71	21.82	21.73	23.00
		36	18	21.82	21.84	21.68	23.00
		36	39	21.60	21.64	21.63	23.00
		75	0	21.68	21.70	21.77	23.00
	16QAM	1	0	22.02	21.96	21.86	23.00



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		1	38	21.95	21.87	22.04	23.00
		1	74	21.90	21.80	21.94	23.00
		36	0	21.04	21.08	20.91	22.00
		36	18	21.03	20.90	20.93	22.00
		36	39	20.93	21.00	20.95	22.00
		75	0	20.78	20.82	20.94	22.00
	64QAM	1	0	20.93	20.99	20.74	22.00
		1	38	20.94	20.75	20.90	22.00
		1	74	20.83	20.88	20.66	22.00
		36	0	20.08	19.89	19.86	21.00
		36	18	19.89	20.05	20.01	21.00
		36	39	19.81	19.91	19.94	21.00
		75	0	19.85	19.93	19.82	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	38000	/	
20MHz	QPSK	1	0	/	22.96	/	24.00
		1	50	/	22.90	/	24.00
		1	99	/	22.81	/	24.00
		50	0	/	21.91	/	23.00
		50	25	/	21.85	/	23.00
		50	50	/	21.81	/	23.00
		100	0	/	21.84	/	23.00
	16QAM	1	0	/	22.16	/	23.00
		1	50	/	22.13	/	23.00
		1	99	/	22.01	/	23.00
		50	0	/	21.11	/	22.00
		50	25	/	21.07	/	22.00
		50	50	/	21.05	/	22.00
		100	0	/	21.07	/	22.00
	64QAM	1	0	/	21.03	/	22.00
		1	50	/	21.02	/	22.00
		1	99	/	20.94	/	22.00
		50	0	/	20.10	/	21.00
		50	25	/	20.07	/	21.00
		50	50	/	20.01	/	21.00
		100	0	/	20.00	/	21.00

LTE Band 38 ECI 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				37775	38000	38225	
5MHz	QPSK	1	0	20.39	20.35	20.54	21.50
		1	13	20.52	20.42	20.29	21.50
		1	24	20.41	20.48	20.31	21.50
		12	0	20.20	20.41	20.22	21.50
		12	6	20.39	20.23	20.35	21.50
		12	13	20.39	20.36	20.25	21.50
		25	0	20.24	20.38	20.31	21.50
	16QAM	1	0	20.32	20.43	20.51	21.50
		1	13	20.35	20.44	20.36	21.50
		1	24	20.43	20.20	20.16	21.50
		12	0	20.24	20.44	20.36	21.50
		12	6	20.19	20.15	20.40	21.50
		12	13	20.32	20.19	20.35	21.50
		25	0	20.50	20.35	20.32	21.50
	64QAM	1	0	20.06	20.14	20.05	21.50
		1	13	20.04	20.11	20.10	21.50
		1	24	19.82	19.76	19.83	21.50
		12	0	20.09	20.04	19.83	21.00
		12	6	19.90	19.82	19.93	21.00
		12	13	19.77	19.71	19.91	21.00
		25	0	19.78	19.76	19.94	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	20.42	20.53	20.41	21.50
		1	25	20.44	20.39	20.35	21.50
		1	49	20.21	20.22	20.31	21.50
		25	0	20.23	20.23	20.29	21.50
		25	13	20.26	20.37	20.37	21.50
		25	25	20.44	20.18	20.44	21.50
		50	0	20.19	20.42	20.34	21.50
	16QAM	1	0	20.49	20.46	20.35	21.50
		1	25	20.35	20.51	20.52	21.50
		1	49	20.25	20.42	20.38	21.50
		25	0	20.34	20.43	20.51	21.50
		25	13	20.31	20.14	20.25	21.50
		25	25	20.22	20.33	20.40	21.50
		50	0	20.42	20.40	20.47	21.50
	64QAM	1	0	20.05	19.89	19.93	21.50
		1	25	20.11	19.94	19.99	21.50



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		1	49	19.68	19.79	19.78	21.50
		25	0	20.00	19.80	19.97	21.00
		25	13	19.90	19.90	19.96	21.00
		25	25	19.78	20.00	19.81	21.00
		50	0	19.97	19.77	19.75	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	20.47	20.55	20.51	21.50
		1	38	20.49	20.50	20.56	21.50
		1	74	20.37	20.38	20.36	21.50
		36	0	20.46	20.16	20.45	21.50
		36	18	20.29	20.19	20.32	21.50
		36	39	20.40	20.24	20.40	21.50
		75	0	20.16	20.16	20.19	21.50
	16QAM	1	0	20.28	20.30	20.42	21.50
		1	38	20.44	20.24	20.34	21.50
		1	74	20.20	20.46	20.26	21.50
		36	0	20.42	20.41	20.38	21.50
		36	18	20.34	20.22	20.38	21.50
		36	39	20.41	20.38	20.27	21.50
		75	0	20.52	20.23	20.48	21.50
	64QAM	1	0	20.07	19.92	20.14	21.50
		1	38	19.95	19.96	20.03	21.50
		1	74	19.84	19.91	19.63	21.50
		36	0	20.08	19.89	19.86	21.00
		36	18	19.89	20.05	20.01	21.00
		36	39	19.81	19.91	19.94	21.00
		75	0	19.85	19.93	19.82	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	38000	/	
20MHz	QPSK	1	0	/	20.56	/	21.50
		1	50	/	20.52	/	21.50
		1	99	/	20.43	/	21.50
		50	0	/	20.41	/	21.50
		50	25	/	20.40	/	21.50
		50	50	/	20.39	/	21.50
		100	0	/	20.41	/	21.50
	16QAM	1	0	/	20.53	/	21.50
		1	50	/	20.49	/	21.50
		1	99	/	20.41	/	21.50



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		50	0	/	20.46	/	21.50
		50	25	/	20.38	/	21.50
		50	50	/	20.43	/	21.50
		100	0	/	20.47	/	21.50
	64QAM	1	0	/	20.10	/	21.50
		1	50	/	20.09	/	21.50
		1	99	/	19.86	/	21.50
		50	0	/	20.10	/	21.00
		50	25	/	20.07	/	21.00
		50	50	/	20.01	/	21.00
		100	0	/	20.00	/	21.00

LTE Band 38 ECI 7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	19.37	19.54	19.51	20.50
		1	13	19.33	19.32	19.31	20.50
		1	24	19.20	19.25	19.21	20.50
		12	0	19.45	19.39	19.24	20.50
		12	6	19.21	19.38	19.12	20.50
		12	13	19.38	19.34	19.44	20.50
		25	0	19.47	19.52	19.46	20.50
	16QAM	1	0	19.53	19.33	19.42	20.50
		1	13	19.27	19.32	19.34	20.50
		1	24	19.30	19.20	19.13	20.50
		12	0	19.32	19.46	19.38	20.50
		12	6	19.23	19.26	19.20	20.50
		12	13	19.21	19.16	19.07	20.50
		25	0	19.21	19.36	19.28	20.50
	64QAM	1	0	19.03	19.11	18.99	20.50
		1	13	19.03	18.97	19.08	20.50
		1	24	19.31	19.38	19.33	20.50
		12	0	19.15	19.22	19.16	20.50
		12	6	19.23	19.21	19.14	20.50
		12	13	19.48	19.29	19.29	20.50
		25	0	19.41	19.57	19.36	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	19.34	19.31	19.52	20.50



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		1	25	19.19	19.43	19.27	20.50
		1	49	19.35	19.49	19.39	20.50
		25	0	19.23	19.37	19.47	20.50
		25	13	19.11	19.19	19.09	20.50
		25	25	19.14	19.32	19.42	20.50
		50	0	19.48	19.27	19.43	20.50
	16QAM	1	0	19.43	19.45	19.49	20.50
		1	25	19.45	19.39	19.37	20.50
		1	49	19.19	19.14	19.27	20.50
		25	0	19.31	19.41	19.30	20.50
		25	13	19.45	19.24	19.20	20.50
		25	25	19.08	19.30	19.35	20.50
	64QAM	50	0	19.29	19.29	19.47	20.50
		1	0	18.97	19.19	18.95	20.50
		1	25	18.93	19.04	19.10	20.50
		1	49	19.36	19.30	19.33	20.50
		25	0	19.13	19.36	19.37	20.50
		25	13	19.13	19.26	19.12	20.50
		25	25	19.49	19.26	19.31	20.50
		50	0	19.48	19.28	19.54	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	19.40	19.34	19.43	20.50
		1	38	19.49	19.30	19.33	20.50
		1	74	19.32	19.47	19.24	20.50
		36	0	19.34	19.28	19.28	20.50
		36	18	19.30	19.34	19.11	20.50
		36	39	19.43	19.39	19.37	20.50
		75	0	19.35	19.38	19.36	20.50
	16QAM	1	0	19.27	19.46	19.46	20.50
		1	38	19.22	19.34	19.36	20.50
		1	74	19.21	19.09	19.35	20.50
		36	0	19.42	19.38	19.31	20.50
		36	18	19.45	19.39	19.16	20.50
		36	39	19.06	19.16	19.33	20.50
		75	0	19.50	19.21	19.45	20.50
	64QAM	1	0	19.08	19.14	19.24	20.50
		1	38	18.91	19.03	18.98	20.50
		1	74	19.34	19.39	19.24	20.50
		36	0	19.36	19.39	19.24	20.50



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		36	18	19.34	19.39	19.22	20.50
		36	39	19.27	19.34	19.26	20.50
		75	0	19.37	19.56	19.29	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	38000	/	
20MHz	QPSK	1	0	/	19.56	/	20.50
		1	50	/	19.44	/	20.50
		1	99	/	19.45	/	20.50
		50	0	/	19.45	/	20.50
		50	25	/	19.33	/	20.50
		50	50	/	19.39	/	20.50
		100	0	/	19.48	/	20.50
	16QAM	1	0	/	19.52	/	20.50
		1	50	/	19.41	/	20.50
		1	99	/	19.31	/	20.50
		50	0	/	19.47	/	20.50
		50	25	/	19.40	/	20.50
		50	50	/	19.31	/	20.50
		100	0	/	19.46	/	20.50
	64QAM	1	0	/	19.20	/	20.50
		1	50	/	19.16	/	20.50
		1	99	/	19.44	/	20.50
		50	0	/	19.38	/	20.50
		50	25	/	19.35	/	20.50
		50	50	/	19.44	/	20.50
		100	0	/	19.52	/	20.50

LTE Band 41 PC3 2496 - 2690 ECI 2				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	22.57	22.64	23.07	22.62	22.89	24.00
		1	13	22.82	22.79	22.77	22.62	22.92	24.00
		1	24	22.57	22.47	22.71	22.49	22.73	24.00
		12	0	21.6	21.67	21.77	21.75	21.82	23.00
		12	6	21.81	21.8	21.62	21.8	21.84	23.00
		12	13	21.53	21.55	21.54	21.51	21.91	23.00
		25	0	21.63	21.81	21.91	21.91	21.69	23.00
	16QAM	1	0	22.15	21.91	22.16	21.73	22.34	23.00
		1	13	22.01	21.79	22.05	21.88	22.27	23.00



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		1	24	21.91	21.99	21.98	21.97	22	23.00
		12	0	20.85	20.85	21.16	20.9	21.1	22.00
		12	6	21.08	21.01	21.14	21.1	21	22.00
		12	13	21.01	20.86	20.77	21	21.16	22.00
		25	0	20.96	20.94	20.92	21.03	21.12	22.00
	64QAM	1	0	20.74	20.87	21.06	20.93	21.25	22.00
		1	13	20.70	20.75	20.88	20.94	20.95	22.00
		1	24	20.79	20.95	20.90	20.87	20.96	22.00
		12	0	19.95	19.83	20.07	19.81	19.85	21.00
		12	6	20.06	19.81	19.88	19.92	20.00	21.00
		12	13	19.91	19.77	19.86	19.85	19.78	21.00
		25	0	19.82	19.85	19.59	19.78	19.76	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	22.59	22.74	23.08	22.6	23	24.00
		1	25	22.73	22.51	22.69	22.78	22.96	24.00
		1	49	22.74	22.46	22.72	22.55	22.8	24.00
		25	0	21.77	21.76	21.78	21.58	22.06	23.00
		25	13	21.83	21.83	21.6	21.93	21.58	23.00
		25	25	21.65	21.84	21.63	21.68	21.96	23.00
		50	0	21.72	21.78	21.96	21.71	21.68	23.00
	16QAM	1	0	22.1	21.93	22.14	22.02	22.33	23.00
		1	25	21.98	21.99	21.94	21.75	22.08	23.00
		1	49	22.13	21.94	21.87	21.92	21.93	23.00
		25	0	20.94	20.9	21.21	21.14	21.04	22.00
		25	13	20.98	20.88	21.16	20.96	20.78	22.00
		25	25	20.85	20.74	20.98	20.82	21.21	22.00
		50	0	21.09	20.84	20.98	20.96	21.04	22.00
	64QAM	1	0	20.84	21.09	21.03	21.05	21.18	22.00
		1	25	20.78	20.84	20.93	20.77	21.01	22.00
		1	49	21.00	20.92	20.83	20.82	21.02	22.00
		25	0	19.91	19.72	19.77	19.86	19.92	21.00
		25	13	20.15	19.88	20.01	19.99	20.04	21.00
		25	25	19.72	20.03	20.02	19.68	19.72	21.00
		50	0	19.68	19.98	19.76	20.02	19.77	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	22.74	22.78	22.8	22.61	23.04	24.00
		1	38	22.67	22.71	22.74	22.74	22.85	24.00
		1	74	22.83	22.59	22.7	22.72	22.92	24.00



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		36	0	21.84	21.62	21.92	21.6	21.99	23.00
		36	18	21.63	21.71	21.69	21.81	21.87	23.00
		36	39	21.65	21.7	21.47	21.46	21.92	23.00
		75	0	21.42	21.69	21.9	21.87	21.6	23.00
	16QAM	1	0	22.04	21.96	22.07	21.84	22.32	23.00
		1	38	21.84	21.8	22.19	22.04	22.08	23.00
		1	74	21.98	21.97	21.95	21.72	22.03	23.00
		36	0	20.99	20.83	20.94	20.98	21.19	22.00
		36	18	21.06	20.85	21.1	21.16	20.98	22.00
		36	39	20.93	20.99	20.9	20.87	21	22.00
		75	0	21.21	21.05	21.1	21.14	21	22.00
	64QAM	1	0	20.93	20.96	20.82	20.87	21.08	22.00
		1	38	20.90	21.04	21.00	20.88	20.94	22.00
		1	74	20.98	20.75	20.95	20.88	20.78	22.00
		36	0	19.90	19.96	19.77	19.94	19.94	21.00
		36	18	20.04	19.91	19.89	19.89	20.10	21.00
		36	39	19.72	19.94	19.82	19.65	19.98	21.00
		75	0	19.76	19.80	19.55	19.85	19.92	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	22.88	22.84	23.08	22.86	23.07	24.00
		1	50	22.85	22.79	22.9	22.8	23.09	24.00
		1	99	22.87	22.73	22.94	22.75	23.03	24.00
		50	0	21.9	21.91	22.01	21.86	22.12	23.00
		50	25	21.9	21.89	21.73	21.99	21.87	23.00
		50	50	21.67	21.84	21.67	21.7	22.05	23.00
		100	0	21.72	21.9	21.99	21.92	21.81	23.00
	16QAM	1	0	22.31	22.04	22.21	22.02	22.38	23.00
		1	50	22.06	22.02	22.19	22.04	22.32	23.00
		1	99	22.14	21.99	22.09	21.99	22.23	23.00
		50	0	20.99	21.05	21.22	21.17	21.21	22.00
		50	25	21.16	21.01	21.17	21.16	21.02	22.00
		50	50	21.03	21.02	21	21.04	21.25	22.00
		100	0	21.22	21.14	21.21	21.14	21.21	22.00
	64QAM	1	0	20.98	21.16	21.10	21.06	21.27	22.00
		1	50	20.93	21.05	21.01	20.94	21.03	22.00
		1	99	21.03	20.98	20.98	20.97	21.05	22.00
		50	0	20.18	20.00	20.07	20.03	20.14	21.00
		50	25	20.15	20.09	20.07	20.08	20.11	21.00
		50	50	19.92	20.06	20.12	19.91	20.00	21.00



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		100	0	19.90	20.04	19.85	20.07	20.01	21.00
--	--	-----	---	-------	-------	-------	-------	-------	-------

LTE Band 41 PC3 2496 - 2690 ECI 4				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	20.33	20.37	20.52	20.09	20.34	21.50
		1	13	20.15	20.32	20.48	20.58	20.38	21.50
		1	24	20.39	20.49	20.28	20.42	20.40	21.50
		12	0	20.23	20.37	20.44	20.25	20.42	21.50
		12	6	20.35	20.13	20.42	20.43	20.53	21.50
		12	13	20.26	20.29	20.20	20.17	20.22	21.50
		25	0	20.32	20.27	20.26	20.24	20.32	21.50
	16QAM	1	0	20.43	20.44	20.33	20.30	20.55	21.50
		1	13	20.42	20.33	20.30	20.29	20.41	21.50
		1	24	20.19	20.06	20.46	20.08	20.18	21.50
		12	0	20.29	20.21	20.25	20.24	20.22	21.50
		12	6	20.21	20.21	20.51	20.48	20.51	21.50
		12	13	20.13	20.14	20.52	20.28	20.26	21.50
		25	0	20.07	20.30	20.34	20.30	20.34	21.50
	64QAM	1	0	19.87	20.15	19.95	19.88	19.93	21.50
		1	13	19.78	19.70	19.92	19.84	20.03	21.50
		1	24	19.53	19.66	19.71	19.66	19.70	21.50
		12	0	19.95	19.75	19.71	19.78	19.91	21.00
		12	6	19.60	19.64	19.81	19.64	19.72	21.00
		12	13	19.66	19.51	19.67	19.82	19.74	21.00
		25	0	19.89	19.52	19.62	19.77	19.77	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	20.38	20.43	20.47	20.24	20.49	21.50
		1	25	20.35	20.32	20.25	20.61	20.39	21.50
		1	49	20.52	20.49	20.22	20.29	20.46	21.50
		25	0	20.24	20.22	20.21	20.06	20.37	21.50
		25	13	20.27	20.23	20.20	20.42	20.31	21.50
		25	25	20.41	20.14	20.22	20.13	20.44	21.50
		50	0	20.34	20.22	20.36	20.42	20.32	21.50
	16QAM	1	0	20.35	20.29	20.51	20.35	20.54	21.50
		1	25	20.23	20.22	20.26	20.48	20.29	21.50
		1	49	20.40	20.04	20.43	20.30	20.11	21.50
		25	0	20.37	20.19	20.29	20.25	20.21	21.50



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		25	13	20.41	20.14	20.34	20.53	20.41	21.50
		25	25	20.25	20.27	20.38	20.38	20.42	21.50
		50	0	20.24	20.38	20.35	20.45	20.29	21.50
	64QAM	1	0	19.90	19.98	19.95	19.87	19.92	21.50
		1	25	19.71	19.82	19.81	19.89	20.01	21.50
		1	49	19.64	19.81	19.87	19.63	19.67	21.50
		25	0	19.92	19.67	19.73	19.81	19.91	21.00
		25	13	19.66	19.64	19.64	19.60	19.90	21.00
		25	25	19.76	19.47	19.87	19.71	19.78	21.00
		50	0	19.96	19.71	19.84	19.77	19.78	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	20.30	20.35	20.43	20.30	20.36	21.50
		1	38	20.42	20.32	20.50	20.59	20.25	21.50
		1	74	20.46	20.51	20.21	20.21	20.35	21.50
		36	0	20.19	20.43	20.18	20.13	20.29	21.50
		36	18	20.24	20.15	20.24	20.31	20.31	21.50
		36	39	20.48	20.23	20.37	20.14	20.25	21.50
		75	0	20.47	20.13	20.27	20.34	20.50	21.50
	16QAM	1	0	20.43	20.45	20.52	20.27	20.51	21.50
		1	38	20.37	20.33	20.23	20.42	20.12	21.50
		1	74	20.35	20.20	20.30	20.07	20.23	21.50
		36	0	20.38	20.11	20.35	20.23	20.47	21.50
		36	18	20.25	20.32	20.53	20.47	20.55	21.50
		36	39	20.35	20.29	20.45	20.35	20.41	21.50
		75	0	20.07	20.27	20.39	20.49	20.16	21.50
	64QAM	1	0	20.00	20.00	20.00	20.04	20.01	21.50
		1	38	19.89	19.53	19.74	19.86	19.93	21.50
		1	74	19.71	19.86	19.81	19.88	19.64	21.50
		36	0	19.74	19.76	19.75	19.60	19.99	21.00
		36	18	19.50	19.50	19.70	19.67	19.64	21.00
		36	39	19.72	19.60	19.88	19.98	19.87	21.00
		75	0	19.77	19.66	19.70	19.85	19.69	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	20.52	20.54	20.59	20.43	20.56	21.50
		1	50	20.42	20.51	20.51	20.42	20.60	21.50
		1	99	20.48	20.52	20.48	20.40	20.52	21.50
		50	0	20.45	20.41	20.45	20.25	20.50	21.50
		50	25	20.42	20.31	20.44	20.45	20.49	21.50



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		50	50	20.44	20.27	20.41	20.35	20.46	21.50
		100	0	20.53	20.37	20.55	20.44	20.53	21.50
	16QAM	1	0	20.41	20.54	20.53	20.54	20.55	21.50
		1	50	20.42	20.46	20.43	20.51	20.40	21.50
		1	99	20.38	20.27	20.44	20.28	20.33	21.50
		50	0	20.48	20.33	20.39	20.33	20.49	21.50
		50	25	20.44	20.40	20.51	20.52	20.59	21.50
		50	50	20.37	20.42	20.55	20.55	20.40	21.50
		100	0	20.34	20.50	20.49	20.56	20.41	21.50
	64QAM	1	0	20.04	20.21	20.11	20.07	20.00	21.50
		1	50	19.88	19.80	19.98	19.92	20.01	21.50
		1	99	19.75	19.89	19.93	19.88	19.92	21.50
		50	0	19.95	19.79	19.92	19.85	19.98	21.00
		50	25	19.73	19.78	19.85	19.70	19.89	21.00
		50	50	19.89	19.73	19.90	19.97	19.85	21.00
		100	0	19.94	19.77	19.86	19.91	19.96	21.00

LTE Band 41 PC3 2496 - 2690 ECI 7				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	19.20	19.30	19.56	19.24	19.19	20.50
		1	13	19.07	19.33	19.36	19.11	19.09	20.50
		1	24	19.22	19.25	19.44	18.94	19.30	20.50
		12	0	19.10	19.23	19.41	19.21	19.12	20.50
		12	6	19.18	19.16	19.27	19.19	19.30	20.50
		12	13	19.40	19.00	19.35	19.18	19.27	20.50
		25	0	19.30	19.32	19.17	19.10	19.46	20.50
	16QAM	1	0	19.22	19.19	19.52	19.23	18.92	20.50
		1	13	19.29	19.08	19.49	19.18	19.08	20.50
		1	24	19.28	19.28	19.51	19.43	19.10	20.50
		12	0	19.38	19.22	19.36	19.06	19.10	20.50
		12	6	19.13	19.47	19.21	19.24	19.17	20.50
		12	13	19.04	19.30	19.41	19.20	19.39	20.50
		25	0	19.21	19.25	19.42	19.08	19.37	20.50
	64QAM	1	0	19.44	19.20	19.14	19.25	19.13	20.50
		1	13	19.11	19.19	19.39	19.01	19.00	20.50
		1	24	19.31	19.23	19.52	19.36	19.30	20.50
		12	0	19.23	19.19	19.47	19.28	19.20	20.50
		12	6	19.20	19.26	19.47	19.05	19.23	20.50



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		12	13	19.33	19.24	19.33	19.27	19.29	20.50
		25	0	19.23	19.22	19.55	19.18	19.15	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	19.16	19.32	19.53	19.30	19.24	20.50
		1	25	19.20	19.19	19.57	19.23	19.19	20.50
		1	49	19.45	19.32	19.58	19.03	19.33	20.50
		25	0	19.06	19.34	19.53	19.16	19.05	20.50
		25	13	19.34	19.20	19.30	19.13	19.14	20.50
		25	25	19.47	19.00	19.30	19.15	19.20	20.50
		50	0	19.37	19.12	19.28	19.08	19.37	20.50
	16QAM	1	0	19.25	19.20	19.45	19.17	19.08	20.50
		1	25	19.16	19.00	19.41	19.27	19.31	20.50
		1	49	19.30	19.23	19.34	19.22	19.20	20.50
		25	0	19.25	19.16	19.32	19.07	19.10	20.50
		25	13	19.06	19.26	19.20	19.11	19.12	20.50
		25	25	18.97	19.51	19.56	19.36	19.25	20.50
		50	0	19.21	19.39	19.31	19.20	19.33	20.50
	64QAM	1	0	19.31	19.07	19.37	19.39	19.33	20.50
		1	25	19.12	19.13	19.29	19.15	18.99	20.50
		1	49	19.33	19.07	19.37	19.33	19.06	20.50
		25	0	19.41	19.19	19.42	19.23	19.07	20.50
		25	13	19.01	19.10	19.37	19.09	19.30	20.50
		25	25	19.36	19.24	19.42	19.12	19.32	20.50
		50	0	19.18	19.20	19.35	19.20	19.24	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	19.34	19.43	19.37	19.19	19.19	20.50
		1	38	18.96	19.44	19.60	19.00	19.00	20.50
		1	74	19.42	19.34	19.52	19.14	19.34	20.50
		36	0	19.02	19.17	19.38	19.17	19.24	20.50
		36	18	19.24	19.12	19.47	19.38	19.19	20.50
		36	39	19.36	19.15	19.50	19.28	19.23	20.50
		75	0	19.25	19.27	19.39	19.13	19.28	20.50
	16QAM	1	0	19.25	19.22	19.42	19.02	19.00	20.50
		1	38	19.16	19.21	19.40	19.27	19.18	20.50
		1	74	19.26	19.09	19.38	19.34	19.05	20.50
		36	0	19.21	19.11	19.43	19.04	19.04	20.50
		36	18	19.19	19.17	19.26	19.14	19.06	20.50
		36	39	18.99	19.39	19.55	19.34	19.27	20.50



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		75	0	19.25	19.41	19.41	19.01	19.28	20.50
		1	0	19.30	19.17	19.33	19.10	19.33	20.50
		1	38	19.11	19.20	19.17	18.99	18.95	20.50
		1	74	19.34	19.36	19.45	19.15	19.13	20.50
		36	0	19.47	19.12	19.31	19.08	19.18	20.50
		36	18	19.08	19.25	19.46	19.04	19.31	20.50
		36	39	19.41	19.26	19.43	19.06	19.09	20.50
		75	0	19.23	19.23	19.48	19.31	19.26	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	19.38	19.37	19.39	19.36	19.39	20.50
		1	50	19.19	19.36	19.35	19.20	19.40	20.50
		1	99	19.38	19.36	19.34	19.19	19.31	20.50
		50	0	19.28	19.41	19.34	19.33	19.43	20.50
		50	25	19.27	19.28	19.26	19.38	19.30	20.50
		50	50	19.26	19.25	19.29	19.23	19.39	20.50
		100	0	19.32	19.37	19.45	19.24	19.41	20.50
	16QAM	1	0	19.38	19.37	19.57	19.22	19.14	20.50
		1	50	19.40	19.20	19.55	19.25	19.28	20.50
		1	99	19.44	19.27	19.51	19.41	19.15	20.50
		50	0	19.35	19.36	19.54	19.22	19.23	20.50
		50	25	19.29	19.42	19.45	19.35	19.23	20.50
		50	50	19.18	19.46	19.59	19.33	19.40	20.50
		100	0	19.44	19.41	19.54	19.23	19.35	20.50
	64QAM	1	0	19.45	19.21	19.35	19.35	19.36	20.50
		1	50	19.30	19.24	19.40	19.13	19.20	20.50
		1	99	19.35	19.32	19.53	19.31	19.26	20.50
		50	0	19.45	19.27	19.46	19.32	19.18	20.50
		50	25	19.24	19.30	19.58	19.28	19.32	20.50
		50	50	19.36	19.33	19.41	19.24	19.29	20.50
		100	0	19.20	19.42	19.50	19.29	19.33	20.50

LTE Band 41 PC2 2496 - 2690 ECI 2				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	25.67	25.75	25.56	25.61	25.95	27.00
		1	13	25.76	25.89	25.84	25.80	25.73	27.00
		1	24	25.67	25.60	25.61	25.65	25.73	27.00
		12	0	24.99	24.91	24.87	24.82	24.71	26.00



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		12	6	24.81	24.83	24.96	24.84	24.84	26.00
		12	13	24.51	24.91	24.78	24.77	24.68	26.00
		25	0	24.94	24.86	24.96	24.67	24.70	26.00
	16QAM	1	0	24.90	25.03	25.11	25.13	25.00	26.00
		1	13	24.92	25.22	24.80	25.01	24.91	26.00
		1	24	24.99	24.87	24.99	24.94	24.79	26.00
		12	0	23.83	23.94	23.57	23.93	23.69	25.00
		12	6	23.77	23.80	23.70	23.72	23.61	25.00
		12	13	23.61	23.59	23.65	23.67	23.54	25.00
		25	0	23.71	23.79	23.52	23.94	23.88	25.00
	64QAM	1	0	23.73	23.71	23.73	23.74	23.83	25.00
		1	13	23.71	23.67	23.91	23.73	23.84	25.00
		1	24	23.72	23.76	23.75	23.57	23.56	25.00
		12	0	22.98	22.81	22.85	22.89	22.77	24.00
		12	6	22.58	22.47	22.63	22.49	22.77	24.00
		12	13	22.75	22.61	22.57	22.76	22.79	24.00
		25	0	22.56	22.54	22.71	22.68	22.63	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	25.64	25.73	25.83	25.70	25.67	27.00
		1	25	25.76	25.68	25.84	25.69	25.87	27.00
		1	49	25.52	25.82	25.65	25.47	25.65	27.00
		25	0	24.95	24.64	24.69	24.77	24.66	26.00
		25	13	24.84	24.77	24.88	24.69	24.69	26.00
		25	25	24.68	24.93	24.57	24.90	24.52	26.00
		50	0	24.89	24.90	24.82	24.72	24.64	26.00
	16QAM	1	0	24.99	24.94	25.21	24.93	25.18	26.00
		1	25	25.08	25.13	24.78	24.92	24.86	26.00
		1	49	25.07	25.09	24.96	25.01	25.01	26.00
		25	0	23.75	24.02	23.72	23.72	23.86	25.00
		25	13	23.60	23.84	23.70	23.56	23.81	25.00
		25	25	23.66	23.48	23.71	23.64	23.58	25.00
		50	0	23.68	23.85	23.49	23.95	23.72	25.00
	64QAM	1	0	23.86	23.63	23.77	23.56	23.79	25.00
		1	25	23.70	23.84	23.90	23.92	23.68	25.00
		1	49	23.65	23.51	23.56	23.55	23.73	25.00
		25	0	22.80	22.66	22.68	22.91	22.65	24.00
		25	13	22.49	22.56	22.77	22.61	22.86	24.00
		25	25	22.76	22.40	22.61	22.71	22.54	24.00
		50	0	22.64	22.64	22.76	22.74	22.81	24.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	25.70	25.91	25.76	25.73	25.92	27.00
		1	38	25.71	25.79	25.78	25.73	25.87	27.00
		1	74	25.60	25.68	25.63	25.55	25.82	27.00
		36	0	24.94	24.66	24.88	25.07	24.70	26.00
		36	18	24.73	24.62	24.90	24.65	24.87	26.00
		36	39	24.53	24.94	24.71	24.77	24.60	26.00
		75	0	24.91	24.94	24.75	24.72	24.87	26.00
	16QAM	1	0	25.07	25.15	25.02	25.20	25.16	26.00
		1	38	25.09	25.13	24.83	25.02	25.08	26.00
		1	74	24.90	25.01	24.97	25.05	24.76	26.00
		36	0	23.85	24.00	23.73	23.87	23.74	25.00
		36	18	23.80	23.64	23.84	23.71	23.82	25.00
		36	39	23.61	23.46	23.59	23.59	23.77	25.00
		75	0	23.64	24.00	23.74	23.83	23.61	25.00
	64QAM	1	0	23.74	23.64	23.77	23.73	23.89	25.00
		1	38	23.64	23.84	23.76	23.74	23.59	25.00
		1	74	23.69	23.55	23.50	23.61	23.67	25.00
		36	0	22.88	22.73	22.91	22.83	22.74	24.00
		36	18	22.66	22.71	22.63	22.65	22.72	24.00
		36	39	22.75	22.55	22.48	22.73	22.58	24.00
		75	0	22.55	22.56	22.63	22.58	22.86	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	25.85	25.89	25.79	25.82	25.91	27.00
		1	50	25.79	25.86	25.80	25.80	25.93	27.00
		1	99	25.73	25.77	25.86	25.68	25.77	27.00
		50	0	25.05	24.86	24.94	25.02	24.90	26.00
		50	25	24.96	24.78	24.92	24.86	24.83	26.00
		50	50	24.73	24.89	24.82	24.86	24.76	26.00
		100	0	24.93	24.94	24.96	24.88	24.83	26.00
	16QAM	1	0	25.14	25.10	25.22	25.17	25.14	26.00
		1	50	25.05	25.18	24.94	25.11	25.06	26.00
		1	99	25.11	25.09	25.12	25.10	24.98	26.00
		50	0	23.90	24.00	23.81	23.92	23.92	25.00
		50	25	23.75	23.79	23.83	23.78	23.86	25.00
		50	50	23.81	23.69	23.83	23.64	23.79	25.00
		100	0	23.73	23.98	23.74	23.96	23.85	25.00
	64QAM	1	0	23.93	23.78	23.95	23.70	23.85	25.00



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		1	50	23.68	23.80	23.92	23.90	23.82	25.00
		1	99	23.82	23.74	23.75	23.77	23.71	25.00
		50	0	22.97	22.77	22.88	22.94	22.89	24.00
		50	25	22.72	22.70	22.77	22.69	22.83	24.00
		50	50	22.90	22.64	22.70	22.78	22.78	24.00
		100	0	22.77	22.69	22.83	22.77	22.83	24.00

LTE Band 41 PC2 2496 - 2690 ECI 4				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	22.00	22.27	22.37	22.01	22.44	23.50
		1	13	22.09	22.33	22.16	22.43	22.30	23.50
		1	24	22.18	22.09	22.18	21.95	22.09	23.50
		12	0	22.09	22.27	22.17	22.15	22.14	23.50
		12	6	22.25	22.16	22.26	22.07	21.97	23.50
		12	13	21.78	21.94	22.23	21.94	21.91	23.50
		25	0	22.25	22.27	22.11	22.32	22.24	23.50
	16QAM	1	0	22.02	22.26	22.38	22.20	22.06	23.50
		1	13	22.11	22.32	22.35	22.38	22.08	23.50
		1	24	22.18	22.07	22.28	22.17	22.07	23.50
		12	0	22.09	21.76	22.06	21.88	21.96	23.50
		12	6	22.05	22.20	22.15	22.01	21.90	23.50
		12	13	22.12	22.04	22.13	21.98	21.86	23.50
		25	0	22.22	21.77	22.03	22.01	21.88	23.50
	64QAM	1	0	21.88	21.89	22.17	22.05	21.87	23.50
		1	13	21.93	21.68	21.99	21.93	21.94	23.50
		1	24	21.91	21.88	22.07	21.88	21.91	23.50
		12	0	22.01	22.02	21.94	22.00	21.89	23.50
		12	6	21.96	21.88	22.04	21.85	22.05	23.50
		12	13	22.00	22.19	22.00	22.22	21.90	23.50
		25	0	21.85	21.77	21.96	22.23	21.98	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	22.18	22.28	22.24	22.18	22.39	23.50
		1	25	22.26	22.47	22.38	22.30	22.31	23.50
		1	49	22.24	22.13	22.12	22.05	22.17	23.50
		25	0	22.17	22.17	22.06	22.08	22.27	23.50
		25	13	22.29	22.34	22.20	22.09	22.10	23.50
		25	25	21.93	21.91	22.22	22.16	22.01	23.50



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		50	0	22.05	22.06	22.24	22.35	22.32	23.50
		1	0	22.06	22.32	22.24	22.21	22.13	23.50
		1	25	21.94	22.22	22.21	22.43	22.09	23.50
		1	49	22.28	22.15	22.31	22.20	22.15	23.50
		25	0	21.99	21.79	21.98	21.75	21.89	23.50
		25	13	21.96	22.05	22.21	21.90	21.82	23.50
		25	25	21.90	22.09	21.93	21.98	22.10	23.50
		50	0	22.21	21.88	22.17	21.82	22.01	23.50
		1	0	21.95	21.90	22.01	22.07	21.93	23.50
		1	25	21.95	21.85	21.99	21.89	21.91	23.50
		1	49	22.08	21.91	22.06	22.10	21.81	23.50
		25	0	22.26	22.24	21.94	22.08	21.88	23.50
		25	13	22.10	21.90	22.10	22.04	22.10	23.50
		25	25	21.95	22.20	22.15	22.07	21.93	23.50
		50	0	21.82	22.05	21.94	22.29	21.98	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	21.96	22.41	22.34	22.08	22.16	23.50
		1	38	22.26	22.26	22.41	22.44	22.16	23.50
		1	74	22.29	22.15	22.27	22.20	22.07	23.50
		36	0	22.21	22.22	22.20	22.31	22.21	23.50
		36	18	22.17	22.20	22.23	22.15	22.07	23.50
		36	39	21.83	21.87	22.07	22.05	21.88	23.50
		75	0	22.18	22.35	22.05	22.29	22.17	23.50
	16QAM	1	0	22.11	22.06	22.12	22.25	22.15	23.50
		1	38	22.15	22.37	22.20	22.18	22.21	23.50
		1	74	22.11	22.04	22.38	22.10	22.12	23.50
		36	0	21.95	21.92	21.90	21.74	21.99	23.50
		36	18	21.84	22.05	22.07	22.18	22.04	23.50
		36	39	22.04	22.20	22.09	22.09	22.13	23.50
		75	0	22.23	21.71	21.93	21.80	21.80	23.50
	64QAM	1	0	21.92	21.71	21.88	22.24	21.82	23.50
		1	38	22.01	21.97	21.95	21.92	21.72	23.50
		1	74	22.04	21.78	22.08	21.92	21.83	23.50
		36	0	22.01	22.15	22.00	21.97	21.99	23.50
		36	18	22.01	22.08	21.90	21.97	22.09	23.50
		36	39	22.09	21.97	22.13	22.11	21.83	23.50
		75	0	22.02	22.00	22.12	21.99	22.22	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	



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20MHz	QPSK	1	0	22.20	22.42	22.39	22.23	22.44	23.50
		1	50	22.35	22.49	22.43	22.50	22.34	23.50
		1	99	22.28	22.30	22.32	22.18	22.23	23.50
		50	0	22.25	22.38	22.33	22.32	22.36	23.50
		50	25	22.30	22.33	22.25	22.31	22.11	23.50
		50	50	22.03	22.11	22.23	22.21	22.14	23.50
		100	0	22.23	22.33	22.29	22.36	22.36	23.50
	16QAM	1	0	22.26	22.32	22.38	22.48	22.34	23.50
		1	50	22.22	22.42	22.40	22.46	22.24	23.50
		1	99	22.39	22.22	22.36	22.21	22.27	23.50
		50	0	22.08	21.96	22.16	22.00	22.09	23.50
		50	25	22.05	22.27	22.25	22.17	22.10	23.50
		50	50	22.12	22.23	22.21	22.08	22.12	23.50
		100	0	22.27	21.99	22.18	22.00	22.04	23.50
	64QAM	1	0	22.15	21.97	22.15	22.23	21.98	23.50
		1	50	22.21	21.96	22.13	22.07	21.97	23.50
		1	99	22.15	22.01	22.07	22.12	22.07	23.50
		50	0	22.26	22.26	22.17	22.16	22.06	23.50
		50	25	22.20	22.13	22.16	22.03	22.13	23.50
		50	50	22.18	22.20	22.19	22.24	22.11	23.50
		100	0	22.05	22.05	22.18	22.27	22.20	23.50

LTE Band 41 PC2 2496 - 2690 ECI 7				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	21.18	21.21	21.29	21.01	21.40	22.50
		1	13	21.19	21.42	21.14	21.22	21.39	22.50
		1	24	21.02	21.15	21.07	21.25	21.01	22.50
		12	0	21.11	21.22	21.29	21.10	21.37	22.50
		12	6	21.32	21.21	21.07	21.21	20.85	22.50
		12	13	21.36	21.22	21.28	21.14	21.23	22.50
		25	0	21.33	21.35	21.04	21.12	21.30	22.50
	16QAM	1	0	21.23	21.20	21.26	21.24	21.15	22.50
		1	13	21.10	21.15	21.19	21.34	21.27	22.50
		1	24	21.10	21.23	21.28	21.23	21.29	22.50
		12	0	20.96	21.06	21.06	21.07	21.18	22.50
		12	6	20.94	20.85	21.16	21.03	20.90	22.50
		12	13	20.99	20.95	21.17	21.17	21.06	22.50



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		25	0	20.90	21.26	21.21	20.94	21.15	22.50
		1	0	21.37	21.24	21.12	21.06	21.30	22.50
		1	13	21.04	21.28	21.27	21.10	21.34	22.50
		1	24	21.01	20.96	21.25	21.29	21.21	22.50
		12	0	20.95	20.96	20.99	21.10	21.11	22.50
		12	6	20.82	21.04	20.93	21.22	21.24	22.50
		12	13	20.94	20.90	20.85	20.80	20.95	22.50
		25	0	21.14	21.19	20.94	21.29	21.04	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	21.12	21.27	21.33	21.30	21.18	22.50
		1	25	21.20	21.46	21.23	21.17	21.20	22.50
		1	49	21.18	21.13	21.20	21.02	21.03	22.50
		25	0	21.41	21.22	21.13	20.99	21.37	22.50
		25	13	21.18	20.96	21.05	21.09	21.08	22.50
		25	25	21.31	21.29	21.37	21.05	21.13	22.50
		50	0	21.38	21.19	21.17	21.06	21.38	22.50
	16QAM	1	0	21.10	21.19	21.37	21.10	21.44	22.50
		1	25	21.02	21.39	21.29	21.37	21.28	22.50
		1	49	21.27	21.13	21.14	21.14	21.20	22.50
		25	0	21.13	21.00	21.15	21.30	21.11	22.50
		25	13	21.08	20.93	20.93	20.92	21.13	22.50
		25	25	21.01	20.96	21.03	20.94	21.08	22.50
		50	0	20.99	21.10	20.98	21.11	21.18	22.50
	64QAM	1	0	21.30	21.14	21.17	21.08	21.09	22.50
		1	25	21.12	21.19	21.25	21.11	21.16	22.50
		1	49	21.12	20.98	21.19	21.15	21.12	22.50
		25	0	20.97	20.94	21.00	21.15	21.28	22.50
		25	13	21.08	21.10	20.96	21.22	21.10	22.50
		25	25	21.09	20.89	20.91	20.84	20.95	22.50
		50	0	21.10	21.07	20.98	21.13	20.94	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	21.32	21.25	21.25	21.02	21.21	22.50
		1	38	21.15	21.41	21.12	21.15	21.19	22.50
		1	74	21.18	20.95	21.04	20.98	20.89	22.50
		36	0	21.25	21.32	21.27	20.97	21.37	22.50
		36	18	21.29	21.09	21.23	21.00	20.86	22.50
		36	39	21.33	21.28	21.20	21.04	21.19	22.50
		75	0	21.13	21.35	21.07	20.98	21.25	22.50



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	16QAM	1	0	21.32	21.28	21.13	21.17	21.31	22.50
		1	38	21.09	21.18	21.14	21.34	21.39	22.50
		1	74	21.23	21.25	21.23	21.16	21.06	22.50
		36	0	20.90	20.95	21.22	21.20	21.08	22.50
		36	18	21.12	20.80	21.00	20.97	20.97	22.50
		36	39	21.15	21.07	21.00	20.98	20.97	22.50
		75	0	21.00	21.11	21.14	21.16	21.06	22.50
	64QAM	1	0	21.28	21.33	21.10	21.07	21.12	22.50
		1	38	21.21	21.05	21.10	21.32	21.38	22.50
		1	74	20.91	21.09	21.07	21.23	21.17	22.50
		36	0	21.01	20.99	20.98	21.19	21.08	22.50
		36	18	20.88	20.99	20.92	21.07	21.16	22.50
		36	39	20.92	20.74	20.99	20.75	21.07	22.50
		75	0	21.06	21.07	21.20	21.27	20.97	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	21.30	21.35	21.46	21.28	21.38	22.50
		1	50	21.37	21.34	21.39	21.41	21.28	22.50
		1	99	21.22	21.23	21.29	21.24	21.15	22.50
		50	0	21.39	21.45	21.31	21.19	21.44	22.50
		50	25	21.34	21.19	21.25	21.25	21.10	22.50
		50	50	21.35	21.39	21.36	21.29	21.36	22.50
		100	0	21.41	21.39	21.31	21.18	21.39	22.50
	16QAM	1	0	21.37	21.38	21.36	21.22	21.42	22.50
		1	50	21.22	21.41	21.33	21.42	21.41	22.50
		1	99	21.36	21.35	21.40	21.42	21.31	22.50
		50	0	21.16	21.06	21.20	21.29	21.29	22.50
		50	25	21.21	21.04	21.17	21.07	21.16	22.50
		50	50	21.19	21.07	21.20	21.16	21.06	22.50
		100	0	21.09	21.24	21.22	21.15	21.30	22.50
	64QAM	1	0	21.35	21.32	21.31	21.23	21.30	22.50
		1	50	21.25	21.26	21.26	21.37	21.40	22.50
		1	99	21.19	21.19	21.23	21.32	21.31	22.50
		50	0	21.04	21.17	21.19	21.30	21.31	22.50
		50	25	21.07	21.08	21.19	21.27	21.25	22.50
		50	50	21.14	20.98	21.13	21.01	21.18	22.50
		100	0	21.15	21.28	21.19	21.34	21.17	22.50



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1.3 Conducted Power of Legacy (Ant7)

LTE Band 42 ECI 2/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	15.00	14.83	15.04	16.00
		1	13	15.02	14.84	15.02	16.00
		1	24	15.00	14.77	14.94	16.00
		12	0	14.90	14.77	14.97	16.00
		12	6	14.82	14.95	14.87	16.00
		12	13	14.87	14.74	15.01	16.00
		25	0	14.93	14.84	15.09	16.00
	16QAM	1	0	14.78	14.78	14.97	16.00
		1	13	15.07	14.95	14.85	16.00
		1	24	14.81	14.78	15.09	16.00
		12	0	14.87	14.89	14.90	16.00
		12	6	15.00	14.87	15.03	16.00
		12	13	15.06	14.87	14.93	16.00
		25	0	15.02	14.80	14.99	16.00
	64QAM	1	0	15.05	14.75	15.00	16.00
		1	13	14.84	14.79	14.94	16.00
		1	24	14.92	14.82	15.06	16.00
		12	0	14.92	14.78	14.89	16.00
		12	6	14.87	14.85	15.02	16.00
		12	13	14.92	14.75	14.95	16.00
		25	0	14.93	14.89	15.04	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42140	42590	43040	
10MHz	QPSK	1	0	15.00	14.81	15.07	16.00
		1	25	15.01	14.97	15.08	16.00
		1	49	14.92	14.83	15.05	16.00
		25	0	14.97	14.80	14.90	16.00
		25	13	14.82	15.05	14.76	16.00
		25	25	14.86	14.79	14.92	16.00
		50	0	15.00	14.88	14.98	16.00
	16QAM	1	0	14.80	14.90	15.05	16.00
		1	25	14.98	14.92	14.85	16.00
		1	49	14.90	14.84	15.05	16.00
		25	0	14.90	14.95	14.94	16.00



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		25	13	14.95	14.90	14.98	16.00
		25	25	15.07	14.79	14.90	16.00
		50	0	14.98	14.90	14.94	16.00
	64QAM	1	0	15.04	14.83	14.90	16.00
		1	25	14.96	14.72	14.96	16.00
		1	49	14.87	14.72	15.05	16.00
		25	0	14.87	14.74	14.92	16.00
		25	13	15.00	14.85	14.96	16.00
		25	25	14.93	14.75	14.90	16.00
		50	0	14.77	14.90	15.04	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42165	42590	43015	
15MHz	QPSK	1	0	15.14	14.90	14.90	16.00
		1	38	14.95	14.84	15.04	16.00
		1	74	15.03	14.88	14.94	16.00
		36	0	14.86	14.72	14.81	16.00
		36	18	15.00	15.03	14.91	16.00
		36	39	14.94	14.71	15.03	16.00
		75	0	15.07	14.82	15.08	16.00
	16QAM	1	0	14.93	14.94	14.99	16.00
		1	38	14.96	14.86	14.91	16.00
		1	74	14.94	14.85	15.09	16.00
		36	0	14.88	14.96	14.93	16.00
		36	18	14.90	15.00	14.94	16.00
		36	39	15.02	14.73	14.90	16.00
		75	0	14.92	14.98	15.06	16.00
	64QAM	1	0	15.03	14.82	15.00	16.00
		1	38	14.80	14.77	15.03	16.00
		1	74	14.90	14.74	14.98	16.00
		36	0	14.95	14.77	14.93	16.00
		36	18	15.07	14.75	15.04	16.00
		36	39	14.94	14.84	14.95	16.00
		75	0	14.95	14.89	15.02	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	15.04	15.05	14.99	16.00
		1	50	14.93	14.88	15.01	16.00
		1	99	14.95	14.78	15.04	16.00
		50	0	14.93	14.81	14.89	16.00
		50	25	14.91	14.95	14.85	16.00



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		50	50	14.87	14.77	15.02	16.00
		100	0	15.02	14.90	15.05	16.00
	16QAM	1	0	14.84	14.88	15.00	16.00
		1	50	14.99	14.91	14.88	16.00
		1	99	14.91	14.83	15.00	16.00
		50	0	14.93	14.94	14.98	16.00
		50	25	14.97	14.92	15.03	16.00
		50	50	14.98	14.78	14.86	16.00
		100	0	15.02	14.89	14.97	16.00
	64QAM	1	0	15.01	14.84	14.97	16.00
		1	50	14.88	14.80	15.03	16.00
		1	99	14.90	14.81	15.04	16.00
		50	0	14.95	14.76	14.96	16.00
		50	25	14.97	14.78	14.99	16.00
		50	50	14.88	14.80	14.87	16.00
		100	0	14.86	14.89	14.97	16.00

LTE Band 42 ECI 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	19.04	18.75	18.93	20.00
		1	13	18.94	18.79	18.97	20.00
		1	24	18.96	18.74	18.98	20.00
		12	0	18.84	18.78	18.99	20.00
		12	6	18.85	19.05	18.93	20.00
		12	13	18.91	18.72	19.02	20.00
		25	0	19.00	18.80	18.97	20.00
	16QAM	1	0	18.87	18.82	18.98	20.00
		1	13	19.02	18.88	18.91	20.00
		1	24	19.01	18.91	18.95	20.00
		12	0	18.96	18.94	19.00	20.00
		12	6	18.92	18.90	18.97	20.00
		12	13	18.98	18.87	18.78	20.00
		25	0	19.08	18.86	18.92	20.00
	64QAM	1	0	19.01	18.87	18.97	20.00
		1	13	18.79	18.84	18.98	20.00
		1	24	18.82	18.82	19.02	20.00
		12	0	18.93	18.86	18.97	20.00



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		12	6	19.06	18.76	18.94	20.00
		12	13	18.81	18.87	18.90	20.00
		25	0	18.96	18.89	19.06	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42140	42590	43040	
10MHz	QPSK	1	0	19.04	18.83	18.99	20.00
		1	25	18.93	18.88	19.01	20.00
		1	49	18.95	18.78	19.04	20.00
		25	0	18.93	18.81	18.89	20.00
		25	13	18.91	18.95	18.85	20.00
		25	25	18.87	18.77	19.02	20.00
		50	0	19.02	18.90	19.05	20.00
	16QAM	1	0	18.84	18.88	19.00	20.00
		1	25	18.99	18.91	18.88	20.00
		1	49	18.91	18.83	19.00	20.00
		25	0	18.93	18.94	18.98	20.00
		25	13	18.97	18.92	19.03	20.00
		25	25	18.98	18.78	18.86	20.00
		50	0	19.02	18.89	18.97	20.00
	64QAM	1	0	19.01	18.84	18.97	20.00
		1	25	18.88	18.80	19.03	20.00
		1	49	18.90	18.81	19.04	20.00
		25	0	18.95	18.76	18.96	20.00
		25	13	18.97	18.78	18.99	20.00
		25	25	18.88	18.80	18.87	20.00
		50	0	18.86	18.89	18.97	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42165	42590	43015	
15MHz	QPSK	1	0	19.11	18.81	19.09	20.00
		1	38	18.98	18.96	19.10	20.00
		1	74	18.97	18.74	18.95	20.00
		36	0	18.95	18.88	18.88	20.00
		36	18	18.83	19.02	18.78	20.00
		36	39	18.90	18.87	19.12	20.00
		75	0	18.97	18.96	18.95	20.00
	16QAM	1	0	18.92	18.84	19.06	20.00
		1	38	18.99	18.89	18.91	20.00
		1	74	18.91	18.88	18.94	20.00
		36	0	18.85	18.84	18.91	20.00
		36	18	18.88	18.86	19.10	20.00



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		36	39	18.90	18.68	18.96	20.00
		75	0	19.06	18.79	19.03	20.00
	64QAM	1	0	19.09	18.91	18.97	20.00
		1	38	18.83	18.73	18.93	20.00
		1	74	18.94	18.75	19.07	20.00
		36	0	18.98	18.77	18.90	20.00
		36	18	18.88	18.69	18.99	20.00
		36	39	18.91	18.77	18.82	20.00
		75	0	18.86	18.90	19.05	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	19.06	18.82	19.00	20.00
		1	50	18.97	18.78	19.11	20.00
		1	99	18.90	18.85	19.14	20.00
		50	0	19.02	18.79	18.85	20.00
		50	25	18.90	19.04	18.87	20.00
		50	50	18.89	18.84	19.09	20.00
		100	0	18.96	18.82	19.03	20.00
	16QAM	1	0	18.80	18.93	19.08	20.00
		1	50	18.92	18.92	18.85	20.00
		1	99	18.85	18.74	19.09	20.00
		50	0	18.84	18.85	18.88	20.00
		50	25	18.93	18.91	18.98	20.00
		50	50	18.98	18.82	18.91	20.00
		100	0	19.07	18.90	18.94	20.00
	64QAM	1	0	19.02	18.76	19.06	20.00
		1	50	18.85	18.86	18.97	20.00
		1	99	18.86	18.77	19.10	20.00
		50	0	18.88	18.78	18.92	20.00
		50	25	18.94	18.80	18.99	20.00
		50	50	18.80	18.89	18.78	20.00
		100	0	18.83	18.96	18.87	20.00



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2 Conducted Power of EN-DC LTE

2.1 Conducted Power of Legacy (Ant2)

LTE Band 41 PC3 2496 - 2690 ECI 2				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	19.53	19.63	20.19	19.64	19.92	21.00
		1	13	19.82	19.72	19.82	19.5	19.85	21.00
		1	24	19.57	19.5	19.94	19.63	19.65	21.00
		12	0	18.75	18.53	18.98	18.78	18.91	20.00
		12	6	18.73	18.95	18.6	18.9	18.7	20.00
		12	13	18.62	18.52	18.71	18.64	18.86	20.00
		25	0	18.51	18.92	18.92	18.99	18.56	20.00
	16QAM	1	0	19.17	18.77	19.39	18.67	19.37	20.00
		1	13	18.93	18.73	19.23	18.94	19.24	20.00
		1	24	19.06	19.13	19.09	18.85	19.01	20.00
		12	0	17.74	17.75	18.25	18.03	18.25	19.00
		12	6	18.22	18.15	18.19	18.07	17.98	19.00
		12	13	17.97	17.85	18.02	18.06	18.29	19.00
		25	0	17.94	17.92	18.03	18.13	18.2	19.00
	64QAM	1	0	17.72	17.77	18.18	18.04	18.13	19.00
		1	13	17.75	17.82	18.04	18.05	17.85	19.00
		1	24	17.79	17.80	17.88	18.02	18.07	19.00
		12	0	16.90	16.73	17.22	16.68	16.82	18.00
		12	6	17.10	16.95	17.02	16.82	17.06	18.00
		12	13	16.93	16.66	16.96	16.87	16.79	18.00
		25	0	16.94	16.96	16.59	16.92	16.80	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	19.53	19.73	20.16	19.54	20.05	21.00
		1	25	19.67	19.43	19.9	19.83	19.86	21.00
		1	49	19.78	19.39	19.83	19.41	19.83	21.00
		25	0	18.72	18.8	18.76	18.45	18.96	20.00
		25	13	18.75	18.93	18.66	19.02	18.59	20.00
		25	25	18.77	18.99	18.76	18.83	19.05	20.00
		50	0	18.82	18.79	19.11	18.81	18.79	20.00
	16QAM	1	0	18.99	18.8	19.1	19.15	19.34	20.00
		1	25	18.96	18.92	19.19	18.69	19.05	20.00
		1	49	19.19	18.97	18.97	19.01	18.84	20.00



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		25	0	18.03	18.03	18.24	18.12	18.09	19.00
		25	13	17.93	17.94	18.35	17.94	17.83	19.00
		25	25	17.82	17.87	18.18	17.79	18.14	19.00
		50	0	18.03	17.72	17.97	18	18.06	19.00
	64QAM	1	0	17.96	18.04	18.10	17.98	18.25	19.00
		1	25	17.90	17.89	18.01	17.74	18.03	19.00
		1	49	18.03	17.98	17.86	17.69	17.97	19.00
		25	0	16.86	16.81	16.81	16.75	17.03	18.00
		25	13	17.10	16.82	16.99	17.12	16.92	18.00
		25	25	16.85	17.18	17.04	16.70	16.84	18.00
		50	0	16.69	16.92	16.96	17.02	16.72	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	19.7	19.93	19.77	19.56	19.97	21.00
		1	38	19.69	19.56	19.94	19.81	19.77	21.00
		1	74	19.79	19.7	19.66	19.62	19.84	21.00
		36	0	18.82	18.73	18.93	18.63	18.96	20.00
		36	18	18.68	18.56	18.94	18.7	18.73	20.00
		36	39	18.69	18.72	18.71	18.45	18.93	20.00
		75	0	18.54	18.64	19	18.99	18.46	20.00
	16QAM	1	0	18.91	19.09	19.03	18.8	19.39	20.00
		1	38	18.69	18.7	19.36	18.98	18.93	20.00
		1	74	19.04	19	19.15	18.78	19	20.00
		36	0	18.01	17.86	18	17.98	18.13	19.00
		36	18	17.95	17.77	18.28	18.1	18.02	19.00
		36	39	17.94	18.07	18.01	18.02	17.88	19.00
		75	0	18.34	17.91	18.34	18.2	17.98	19.00
	64QAM	1	0	17.82	17.85	17.99	18.02	18.05	19.00
		1	38	18.01	18.19	18.03	17.76	17.84	19.00
		1	74	17.87	17.67	17.96	17.85	17.68	19.00
		36	0	16.80	16.83	16.97	17.03	17.00	18.00
		36	18	16.95	16.92	16.86	16.99	17.14	18.00
		36	39	16.64	17.05	16.83	16.52	16.91	18.00
		75	0	16.72	16.93	16.78	16.92	16.92	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	19.92	19.82	20.11	19.86	19.97	21.00
		1	50	19.94	19.9	19.98	19.91	20.07	21.00
		1	99	19.79	19.65	20.11	19.75	19.93	21.00
		50	0	19.02	18.95	19.26	18.83	19.25	20.00



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		50	25	19.03	18.99	18.83	18.89	18.79	20.00
		50	50	18.62	18.87	18.71	18.84	19.08	20.00
		100	0	18.68	18.82	19.23	18.86	18.81	20.00
	16QAM	1	0	19.27	19.03	19.32	19.09	19.41	20.00
		1	50	18.93	19.01	19.36	19.07	19.35	20.00
		1	99	19.23	19.14	19.08	19.04	19.08	20.00
		50	0	18.1	18.14	18.23	18.22	18.24	19.00
		50	25	18.07	18.15	18.2	18.12	18.09	19.00
		50	50	18.08	17.91	17.96	17.91	18.21	19.00
		100	0	18.35	18.11	18.43	18.06	18.19	19.00
	64QAM	1	0	18.09	18.11	18.18	17.94	18.14	19.00
		1	50	17.97	18.07	18.02	17.85	17.91	19.00
		1	99	18.06	17.88	18.07	18.07	17.93	19.00
		50	0	17.22	17.14	17.29	17.18	17.20	18.00
		50	25	17.26	17.08	17.18	16.97	17.01	18.00
		50	50	17.02	17.20	17.10	16.90	17.02	18.00
		100	0	17.04	16.95	17.02	17.17	16.90	18.00

LTE Band 41 PC3 2496 - 2690 ECI 4				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	17.31	17.19	17.58	17.33	17.2	18.50
		1	13	17.48	17.28	17.55	17.31	17.43	18.50
		1	24	17.47	17.39	17.46	17.41	17.21	18.50
		12	0	17.39	17.33	17.46	17.24	17.38	18.50
		12	6	17.35	17.11	17.48	17.51	17.23	18.50
		12	13	17.35	17.27	17.3	17.32	17.43	18.50
		25	0	17.5	17.33	17.38	17.36	17.28	18.50
	16QAM	1	0	17.36	17.37	17.46	17.42	17.39	18.50
		1	13	17.27	17.17	17.31	17.29	17.37	18.50
		1	24	17.25	17.22	17.43	17.46	17.45	18.50
		12	0	17.34	17.35	17.38	17.22	17.29	18.50
		12	6	17.39	17.28	17.4	17.25	17.26	18.50
		12	13	17.34	17.38	17.39	17.3	17.17	18.50
		25	0	17.5	17.3	17.31	17.47	17.41	18.50
	64QAM	1	0	17.25	17.37	17.46	17.22	17.43	18.50
		1	13	17.48	17.26	17.48	17.50	17.36	18.50
		1	24	17.50	17.27	17.36	17.41	17.43	18.50



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		12	0	16.90	16.73	17.12	16.68	16.82	18.00
		12	6	17.10	16.95	16.92	16.82	17.06	18.00
		12	13	16.93	16.66	16.86	16.87	16.79	18.00
		25	0	16.94	16.96	16.49	16.92	16.80	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	17.37	17.26	17.47	17.36	17.24	18.50
		1	25	17.51	17.25	17.3	17.28	17.45	18.50
		1	49	17.34	17.16	17.53	17.49	17.43	18.50
		25	0	17.31	17.13	17.41	17.35	17.24	18.50
		25	13	17.29	17.3	17.56	17.36	17.18	18.50
		25	25	17.27	17.23	17.41	17.28	17.33	18.50
		50	0	17.41	17.37	17.35	17.29	17.41	18.50
	16QAM	1	0	17.45	17.11	17.45	17.4	17.32	18.50
		1	25	17.39	17.2	17.45	17.23	17.21	18.50
		1	49	17.36	17.18	17.53	17.3	17.36	18.50
		25	0	17.55	17.16	17.44	17.29	17.22	18.50
		25	13	17.27	17.38	17.49	17.3	17.26	18.50
		25	25	17.44	17.13	17.31	17.45	17.42	18.50
		50	0	17.52	17.17	17.41	17.31	17.27	18.50
	64QAM	1	0	17.48	17.39	17.49	17.40	17.26	18.50
		1	25	17.34	17.26	17.55	17.48	17.16	18.50
		1	49	17.55	17.20	17.51	17.26	17.39	18.50
		25	0	16.86	16.81	16.71	16.75	17.03	18.00
		25	13	17.10	16.82	16.89	17.12	16.92	18.00
		25	25	16.85	17.18	16.94	16.70	16.84	18.00
		50	0	16.69	16.92	16.86	17.02	16.72	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	17.3	17.33	17.44	17.28	17.32	18.50
		1	38	17.28	17.32	17.34	17.43	17.19	18.50
		1	74	17.27	17.14	17.49	17.44	17.26	18.50
		36	0	17.42	17.23	17.32	17.32	17.16	18.50
		36	18	17.41	17.14	17.38	17.23	17.3	18.50
		36	39	17.29	17.4	17.55	17.51	17.33	18.50
		75	0	17.46	17.2	17.5	17.4	17.25	18.50
	16QAM	1	0	17.29	17.27	17.45	17.47	17.19	18.50
		1	38	17.52	17.14	17.43	17.23	17.27	18.50
		1	74	17.42	17.18	17.38	17.3	17.21	18.50
		36	0	17.29	17.13	17.48	17.45	17.41	18.50



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		36	18	17.26	17.33	17.44	17.3	17.35	18.50
		36	39	17.38	17.1	17.44	17.49	17.42	18.50
		75	0	17.26	17.17	17.33	17.42	17.21	18.50
	64QAM	1	0	17.29	17.13	17.31	17.34	17.28	18.50
		1	38	17.43	17.32	17.46	17.22	17.41	18.50
		1	74	17.52	17.28	17.43	17.33	17.15	18.50
		36	0	16.80	16.83	16.87	17.03	17.00	18.00
		36	18	16.95	16.92	16.76	16.99	17.14	18.00
		36	39	16.64	17.05	16.73	16.52	16.91	18.00
		75	0	16.72	16.93	16.68	16.92	16.92	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	17.53	17.38	17.57	17.49	17.43	18.50
		1	50	17.31	17.15	17.36	17.51	17.2	18.50
		1	99	17.3	17.16	17.35	17.37	17.28	18.50
		50	0	17.27	17.3	17.42	17.5	17.42	18.50
		50	25	17.48	17.32	17.49	17.25	17.21	18.50
		50	50	17.37	17.38	17.46	17.24	17.2	18.50
		100	0	17.45	17.25	17.31	17.22	17.3	18.50
	16QAM	1	0	17.51	17.27	17.38	17.38	17.21	18.50
		1	50	17.37	17.29	17.55	17.37	17.22	18.50
		1	99	17.54	17.27	17.51	17.38	17.36	18.50
		50	0	17.44	17.11	17.37	17.47	17.18	18.50
		50	25	17.37	17.24	17.35	17.39	17.17	18.50
		50	50	17.53	17.18	17.49	17.26	17.41	18.50
		100	0	17.42	17.18	17.37	17.33	17.39	18.50
	64QAM	1	0	17.55	17.38	17.41	17.35	17.36	18.50
		1	50	17.44	17.13	17.47	17.23	17.18	18.50
		1	99	17.45	17.13	17.30	17.29	17.43	18.50
		50	0	17.22	17.14	17.19	17.18	17.20	18.00
		50	25	17.26	17.08	17.08	16.97	17.01	18.00
		50	50	17.02	17.20	17.00	16.90	17.02	18.00
		100	0	17.04	16.95	16.92	17.17	16.90	18.00

LTE Band 41 PC3 2496 - 2690 ECI 7				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	16.27	16.1	16.72	16.48	16.26	17.50



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		1	13	16.61	16.16	16.66	16.33	16.38	17.50
		1	24	16.38	16.46	16.33	16.26	16.13	17.50
		12	0	16.38	16.31	16.6	16.09	16.38	17.50
		12	6	16.24	16.03	16.61	16.47	16.21	17.50
		12	13	16.26	16.25	16.15	16.2	16.44	17.50
		25	0	16.54	16.44	16.52	16.39	16.19	17.50
	16QAM	1	0	16.49	16.25	16.61	16.5	16.43	17.50
		1	13	16.3	16.12	16.37	16.25	16.42	17.50
		1	24	16.36	16.22	16.51	16.43	16.31	17.50
		12	0	16.32	16.26	16.43	16.18	16.3	17.50
		12	6	16.38	16.26	16.3	16.32	16.41	17.50
		12	13	16.47	16.33	16.4	16.27	16.28	17.50
		25	0	16.62	16.34	16.29	16.36	16.41	17.50
	64QAM	1	0	16.11	16.51	16.36	16.31	16.38	17.50
		1	13	16.44	16.23	16.59	16.53	16.41	17.50
		1	24	16.39	16.26	16.51	16.54	16.50	17.50
		12	0	16.61	16.35	16.24	16.33	16.36	17.50
		12	6	16.35	16.28	16.42	16.31	16.33	17.50
		12	13	16.39	16.40	16.48	16.45	16.37	17.50
		25	0	16.38	16.14	16.48	16.56	16.49	17.50
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel
					39700	40160	40620	41080	41540
	10MHz	QPSK	1	0	16.32	16.19	16.43	16.51	16.16
			1	25	16.54	16.24	16.15	16.36	16.48
			1	49	16.34	16.19	16.58	16.54	16.43
			25	0	16.29	16.2	16.29	16.29	16.1
			25	13	16.14	16.15	16.63	16.33	16.07
			25	25	16.24	16.2	16.55	16.29	16.48
		16QAM	50	0	16.42	16.36	16.2	16.41	16.29
			1	0	16.58	16.19	16.53	16.27	16.36
			1	25	16.58	16.24	16.38	16.54	16.21
			1	49	16.41	16.35	16.44	16.54	16.12
			25	0	16.6	16.32	16.38	16.17	16.3
			25	13	16.42	16.37	16.46	16.4	16.17
		64QAM	25	25	16.45	16.01	16.18	16.54	16.51
			50	0	16.41	16.12	16.49	16.34	16.4
			1	0	16.45	16.38	16.35	16.33	16.28
			1	25	16.46	16.34	16.59	16.59	16.21
			1	49	16.43	16.34	16.60	16.37	16.31
			25	0	16.52	16.28	16.42	16.35	16.18



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		25	13	16.54	16.43	16.53	16.54	16.22	17.50
		25	25	16.33	16.34	16.57	16.47	16.23	17.50
		50	0	16.47	16.10	16.40	16.30	16.54	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	16.25	16.24	16.35	16.35	16.24	17.50
		1	38	16.4	16.45	16.33	16.39	16.14	17.50
		1	74	16.16	16.21	16.57	16.55	16.17	17.50
		36	0	16.35	16.22	16.26	16.27	16.29	17.50
		36	18	16.3	16.47	16.29	16.14	16.27	17.50
		36	39	16.35	16.44	16.3	16.28	16.34	17.50
		75	0	16.41	16.11	16.63	16.53	16.18	17.50
	16QAM	1	0	16.5	16.11	16.27	16.45	16.04	17.50
		1	38	16.49	16.26	16.37	16.2	16.3	17.50
		1	74	16.29	16.31	16.41	16.38	16.34	17.50
		36	0	16.33	16.08	16.39	16.41	16.26	17.50
		36	18	16.2	16.19	16.3	16.62	16.17	17.50
		36	39	16.38	16.28	16.46	16.31	16.33	17.50
		75	0	16.42	16.17	16.33	16.28	16.27	17.50
	64QAM	1	0	16.28	16.00	16.35	16.56	16.35	17.50
		1	38	16.34	16.40	16.40	16.41	16.44	17.50
		1	74	16.33	15.98	16.49	16.44	16.34	17.50
		36	0	16.28	16.21	16.34	16.36	16.10	17.50
		36	18	16.20	16.24	16.20	16.29	16.17	17.50
		36	39	16.44	16.19	16.41	16.19	16.44	17.50
		75	0	16.62	16.15	16.51	16.46	16.28	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	16.65	16.43	16.68	16.43	16.51	17.50
		1	50	16.43	16.3	16.23	16.61	16.34	17.50
		1	99	16.15	16.01	16.32	16.3	16.37	17.50
		50	0	16.14	16.16	16.54	16.39	16.43	17.50
		50	25	16.41	16.33	16.63	16.24	16.32	17.50
		50	50	16.52	16.38	16.33	16.13	16.12	17.50
		100	0	16.59	16.17	16.29	16.25	16.28	17.50
	16QAM	1	0	16.52	16.12	16.52	16.45	16.16	17.50
		1	50	16.39	16.14	16.53	16.38	16.2	17.50
		1	99	16.46	16.28	16.49	16.47	16.25	17.50
		50	0	16.51	16.26	16.36	16.32	16.06	17.50
		50	25	16.45	16.14	16.21	16.39	16.13	17.50



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		50	50	16.48	16.17	16.62	16.31	16.32	17.50
		100	0	16.4	16.31	16.41	16.43	16.38	17.50
	64QAM	1	0	16.62	16.48	16.31	16.42	16.36	17.50
		1	50	16.59	16.00	16.46	16.08	16.20	17.50
		1	99	16.31	16.23	16.31	16.42	16.51	17.50
		50	0	16.33	16.27	16.35	16.35	16.15	17.50
		50	25	16.31	16.02	16.33	16.27	16.23	17.50
		50	50	16.54	16.30	16.37	16.12	16.41	17.50
		100	0	16.48	16.13	16.34	16.25	16.18	17.50

3 Conducted Power of ULCA

3.1 Conducted Power of LTE UL_CA

Combination	Modulation	PCC					SCC					ECI2		ECI4		ECI7	
		Band	BW (MHz)	UL Channel	UL # RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL # RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA 41C	QPSK	41	20	39750	1	99	41	20	39948	1	0	22.89	24.00	20.55	21.50	19.53	20.50
CA 41C	QPSK	41	20	40185	1	99	41	20	40383	1	0	22.85	24.00	20.43	21.50	19.4	20.50
CA 41C	QPSK	41	20	40620	1	99	41	20	40818	1	0	22.81	24.00	20.46	21.50	19.46	20.50
CA 41C	QPSK	41	20	40620	1	0	41	20	40422	1	99	22.87	24.00	20.47	21.50	19.46	20.50
CA 41C	QPSK	41	20	41055	1	0	41	20	40857	1	99	22.78	24.00	20.44	21.50	19.48	20.50
CA 41C	QPSK	41	20	41490	1	0	41	20	41292	1	99	22.84	24.00	20.52	21.50	19.52	20.50

Combination	Modulation	PCC					SCC					ECI2/7		ECI4	
		Band	BW (MHz)	UL Channel	UL # RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL # RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA 42C	QPSK	42	20	42190	1	99	42	20	42388	1	0	14.73	16.00	18.76	20.00
CA 42C	QPSK	42	20	42590	1	99	42	20	42788	1	0	14.7	16.00	18.73	20.00
CA 42C	QPSK	42	20	42590	1	0	42	20	42392	1	99	14.77	16.00	18.74	20.00
CA 42C	QPSK	42	20	42990	1	0	42	20	42792	1	99	14.85	16.00	18.86	20.00



4 Conducted Power of NR

4.1 Conducted Power of NR (Ant2)

N41 PC3_30kHz ECI 2									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
				/	/	2592.99	/	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	/	22.80	/	/	24.00
		1	137	/	/	22.69	/	/	24.00
		1	271	/	/	22.63	/	/	24.00
		135	0	/	/	21.67	/	/	23.00
		135	69	/	/	22.86	/	/	24.00
		135	138	/	/	21.82	/	/	23.00
		270	0	/	/	21.81	/	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	/	21.61	/	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
100MHz	CP-OFDM QPSK	1	1	/	/	21.44	/	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	/	22.65	/	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	/	22.67	/	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	/	22.66	/	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	22.83	22.80	22.55	22.85	22.75	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	22.71	22.72	22.78	22.74	22.60	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up



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				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	22.68	22.64	22.66	22.98	22.56	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	22.81	22.82	22.72	22.96	22.66	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	22.73	22.75	22.50	22.91	22.84	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				500202	509403	518598	527799	537000	
15MHz	DFT-s-OFDM QPSK	1	1	22.71	22.74	22.74	22.81	22.67	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				499200	508902	518598	528300	538002	
10MHz	DFT-s-OFDM QPSK	1	1	22.64	22.84	22.52	22.81	22.63	24.00

N41 PC3_30kHz ECI 4									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
				/	/	2592.99	/	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	/	18.40	/	/	19.50
		1	137	/	/	18.35	/	/	19.50
		1	271	/	/	18.27	/	/	19.50
		135	0	/	/	17.33	/	/	18.50
		135	69	/	/	18.55	/	/	19.50
		135	138	/	/	17.48	/	/	18.50
		270	0	/	/	17.57	/	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	/	17.31	/	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
100MHz	CP-OFDM QPSK	1	1	/	/	17.11	/	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	/	18.41	/	/	19.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	/	18.39	/	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	/	18.36	/	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	18.46	18.54	18.31	18.64	18.41	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	18.38	18.38	18.40	18.52	18.20	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	18.39	18.35	18.46	18.73	18.18	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	18.46	18.42	18.33	18.65	18.41	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	18.52	18.39	18.20	18.62	18.46	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				500202	509403	518598	527799	537000	
15MHz	DFT-s-OFDM QPSK	1	1	18.48	18.52	18.46	18.44	18.41	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				499200	508902	518598	528300	538002	
10MHz	DFT-s-OFDM QPSK	1	1	18.32	18.60	18.25	18.58	18.36	19.50

N41 PC3_30kHz ECI 7				Channel	Channel	Channel	Channel	Channel	Tune up
Bandwidth	Modulation	RB size	RB offset	/	/	518598	/	/	



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				/	/	2592.99	/	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	/	16.49	/	/	17.50
		1	137	/	/	16.44	/	/	17.50
		1	271	/	/	16.45	/	/	17.50
		135	0	/	/	15.57	/	/	16.50
		135	69	/	/	16.80	/	/	17.50
		135	138	/	/	15.65	/	/	16.50
	DFT-s-OFDM 16QAM	270	0	/	/	15.70	/	/	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
100MHz	CP-OFDM QPSK	1	1	/	/	15.31	/	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	/	16.52	/	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	/	16.64	/	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				/	/	518598	/	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	/	16.35	/	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	16.56	16.79	16.29	16.83	16.45	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	16.48	16.40	16.57	16.75	16.31	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	16.65	16.48	16.58	16.79	16.20	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	



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30MHz	DFT-s-OFDM QPSK	1	1	16.48	16.56	16.36	16.77	16.49	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	16.48	16.54	16.43	16.62	16.42	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				500202	509403	518598	527799	537000	
15MHz	DFT-s-OFDM QPSK	1	1	16.49	16.53	16.44	16.63	16.59	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				499200	508902	518598	528300	538002	
10MHz	DFT-s-OFDM QPSK	1	1	16.50	16.66	16.49	16.65	16.56	17.50

4.2 Conducted Power of NR (Ant3)

N77 PC3_30kHz ECI 2					Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
				3750.00	/	/	/	/	3930.00	
100MHz	DFT-s-OFDM QPSK	1	1	10.84	/	/	/	/	10.82	12.50
		1	137	10.89	/	/	/	/	10.86	12.50
		1	271	10.78	/	/	/	/	10.83	12.50
		135	0	10.04	/	/	/	/	10.02	11.50
		135	69	11.06	/	/	/	/	11.02	12.50
		135	138	10.05	/	/	/	/	10.03	11.50
		270	0	10.05	/	/	/	/	10.04	11.50
	DFT-s-OFDM 16QAM	1	1	9.72	/	/	/	/	9.66	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
100MHz	CP-OFDM QPSK	1	1	9.42	/	/	/	/	9.48	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	10.82	11.02	10.92	11.02	10.78	10.91	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	10.70	10.89	10.79	11.11	10.72	10.86	12.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	10.80	11.01	10.77	11.10	10.71	10.91	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	10.67	10.96	10.87	10.87	10.93	10.96	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	10.78	11.15	10.77	11.03	10.64	10.84	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	10.74	11.12	10.83	10.91	10.89	10.91	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	10.94	10.96	11.06	11.12	10.68	10.82	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	10.95	10.94	10.98	11.05	10.92	10.77	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	10.72	10.89	11.00	11.06	10.74	11.06	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	10.74	11.08	10.88	10.94	10.88	10.76	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	10.77	10.91	10.78	11.11	10.81	11.03	12.50

N77 PC3_30kHz ECI 4				Conducted Power(dBm)						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	



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				3750.00	/	/	/	/	3930.00	
100MHz	DFT-s-OFDM QPSK	1	1	15.82	/	/	/	/	15.76	17.50
		1	137	15.85	/	/	/	/	15.83	17.50
		1	271	15.81	/	/	/	/	15.76	17.50
		135	0	15.07	/	/	/	/	14.96	16.50
		135	69	16.09	/	/	/	/	16.05	17.50
		135	138	15.07	/	/	/	/	15.06	16.50
	DFT-s-OFDM 16QAM	270	0	15.04	/	/	/	/	15.04	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
100MHz	CP-OFDM QPSK	1	1	14.45	/	/	/	/	14.50	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	15.75	16.00	15.85	15.96	15.72	15.89	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	15.66	15.82	15.81	16.12	15.66	15.82	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	15.76	16.04	15.78	16.11	15.67	15.92	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	15.62	15.89	15.88	15.80	15.90	15.94	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	15.78	16.16	15.79	16.03	15.62	15.83	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	15.68	16.10	15.84	15.93	15.83	15.87	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	



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30MHz	DFT-s-OFDM QPSK	1	1	15.89	15.93	16.07	16.08	15.63	15.79	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	15.89	15.93	15.94	16.08	15.87	15.70	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	15.68	15.89	16.00	16.05	15.71	16.01	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	15.72	16.08	15.91	15.93	15.82	15.77	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	15.71	15.84	15.71	16.09	15.80	16.05	17.50

N77 PC3_30kHz ECI 7					Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
				3750.00	/	/	/	/	3930.00	
100MHz	DFT-s-OFDM QPSK	1	1	14.37	/	/	/	/	14.37	16.00
		1	137	14.46	/	/	/	/	14.38	16.00
		1	271	14.19	/	/	/	/	14.26	16.00
		135	0	13.48	/	/	/	/	13.63	15.00
		135	69	14.55	/	/	/	/	14.43	16.00
		135	138	13.61	/	/	/	/	13.55	15.00
		270	0	13.65	/	/	/	/	13.60	15.00
	DFT-s-OFDM 16QAM	1	1	13.13	/	/	/	/	13.22	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
100MHz	CP-OFDM QPSK	1	1	12.99	/	/	/	/	12.98	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	14.42	14.43	14.41	14.62	14.39	14.50	16.00
Bandwidth	Modulation			Channel	Channel	Channel	Channel	Channel	Channel	Tune up



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		RB size	RB offset	649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	14.23	14.37	14.40	14.70	14.28	14.33	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	14.37	14.52	14.24	14.55	14.32	14.43	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	14.13	14.57	14.34	14.38	14.35	14.50	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	14.30	14.58	14.30	14.60	14.09	14.32	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	14.16	14.56	14.34	14.39	14.49	14.39	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	14.52	14.50	14.55	14.68	14.15	14.26	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	14.46	14.38	14.48	14.65	14.48	14.37	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	14.32	14.41	14.56	14.50	14.18	14.65	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	14.20	14.63	14.29	14.41	14.31	14.26	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	14.37	14.46	14.36	14.59	14.30	14.49	16.00



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N78 PC3_30kHz ECI 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	10.84	/	12.50
		1	137	/	10.83	/	12.50
		1	271	/	10.59	/	12.50
		135	0	/	10.08	/	11.50
		135	69	/	10.84	/	12.50
		135	138	/	9.78	/	11.50
		270	0	/	9.92	/	11.50
	DFT-s-OFDM 16QAM	1	1	/	9.66	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	9.13	/	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	10.76	/	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	11.11	/	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	11.14	/	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	10.72	/	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	10.93	11.01	11.01	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	11.18	11.03	11.18	12.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	11.10	11.06	11.08	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	10.98	11.11	11.00	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	11.16	10.98	11.28	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	11.04	11.01	11.20	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	10.90	10.80	11.04	12.50

N78 PC3_30kHz ECI 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	16.01	/	17.50
		1	137	/	15.74	/	17.50
		1	271	/	15.59	/	17.50
		135	0	/	15.06	/	16.50
		135	69	/	15.86	/	17.50
		135	138	/	14.76	/	16.50
		270	0	/	14.80	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	14.65	/	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	14.12	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	



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90MHz	DFT-s-OFDM QPSK	1	1	/	15.82	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	16.13	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	16.13	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	15.87	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	15.95	15.89	16.16	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	16.06	15.93	16.17	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	16.08	15.90	16.04	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	16.13	16.01	16.04	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	16.21	15.90	16.16	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	16.01	15.89	16.14	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	



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10MHz	DFT-s-OFDM QPSK	1	1	15.84	15.86	16.07	17.50
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N78 PC3_30kHz ECI 7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	14.71	/	16.00
		1	137	/	14.50	/	16.00
		1	271	/	14.26	/	16.00
		135	0	/	13.62	/	15.00
		135	69	/	14.68	/	16.00
		135	138	/	13.54	/	15.00
		270	0	/	13.56	/	15.00
	DFT-s-OFDM 16QAM	1	1	/	13.16	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	12.97	/	14.50
				/	650000	/	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	/	14.62	/	16.00
				/	650000	/	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	/	14.87	/	16.00
				/	650000	/	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	/	14.82	/	16.00
				/	650000	/	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	/	14.53	/	16.00
				/	650000	/	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	14.78	14.65	14.82	16.00
				648334	650000	651668	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	14.81	14.62	15.00	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	14.81	14.76	14.74	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	14.86	14.75	14.72	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	14.90	14.52	14.93	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	14.80	14.75	14.87	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	14.60	14.56	14.82	16.00

4.3 Conducted Power of NR (Ant7)

N77 PC3_30kHz ECI 2/7				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				650000	/	/	/	/	662000
				3750.00	/	/	/	/	3930.00
100MHz	DFT-s-OFDM QPSK	1	1	13.32	/	/	/	/	13.09
		1	137	13.44	/	/	/	/	13.14
		1	271	13.45	/	/	/	/	13.23
		135	0	12.52	/	/	/	/	12.36
		135	69	13.72	/	/	/	/	13.49
		135	138	12.56	/	/	/	/	12.41
		270	0	12.45	/	/	/	/	12.37
	DFT-s-OFDM 16QAM	1	1	12.08	/	/	/	/	11.89
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				650000	/	/	/	/	662000



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100MHz	CP-OFDM QPSK	1	1	11.87	/	/	/	/	11.58	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	13.56	13.32	13.54	13.50	13.51	13.52	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	13.50	13.47	13.48	13.58	13.60	13.38	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	13.46	13.28	13.51	13.68	13.69	13.65	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	13.49	13.13	13.62	13.45	13.54	13.58	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	13.31	13.30	13.57	13.57	13.48	13.46	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	13.53	13.09	13.35	13.44	13.45	13.46	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	13.57	13.37	13.64	13.37	13.47	13.58	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	13.38	13.42	13.34	13.44	13.68	13.29	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	13.52	13.21	13.40	13.60	13.48	13.58	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	



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15MHz	DFT-s-OFDM QPSK	1	1	13.34	13.23	13.53	13.46	13.41	13.44	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	13.41	13.17	13.39	13.60	13.53	13.67	14.50

N77 PC3_30kHz 4				Conducted Power(dBm)						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
				3750.00	/	/	/	/	3930.00	
100MHz	DFT-s-OFDM QPSK	1	1	16.88	/	/	/	/	16.76	18.00
		1	137	16.94	/	/	/	/	16.82	18.00
		1	271	17.18	/	/	/	/	16.96	18.00
		135	0	16.24	/	/	/	/	16.01	17.00
		135	69	17.16	/	/	/	/	16.96	18.00
		135	138	16.16	/	/	/	/	16.03	17.00
		270	0	16.31	/	/	/	/	15.99	17.00
	DFT-s-OFDM 16QAM	1	1	15.86	/	/	/	/	15.71	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
100MHz	CP-OFDM QPSK	1	1	15.54	/	/	/	/	15.26	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	17.21	16.99	17.13	17.21	17.12	17.04	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	17.21	17.24	16.96	17.21	17.22	17.06	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	17.24	17.10	17.08	17.34	17.30	17.19	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	17.11	16.83	17.41	17.10	17.39	17.36	18.00
Bandwidth	Modulation			Channel	Channel	Channel	Channel	Channel	Channel	Tune up



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		RB size	RB offset	648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	17.09	17.04	17.05	17.30	17.33	17.02	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	17.13	16.89	16.96	17.15	17.28	17.17	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	17.17	17.05	17.21	17.16	17.18	17.36	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	17.01	17.12	17.11	17.05	17.24	16.91	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	17.21	16.79	17.13	17.08	17.11	17.25	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	16.98	16.96	17.21	17.14	17.07	17.24	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	16.94	16.75	17.19	17.32	17.24	17.33	18.00

N78 PC3_30kHz				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	13.21	/	14.50
		1	137	/	13.33	/	14.50
		1	271	/	13.44	/	14.50
		135	0	/	12.49	/	13.50
		135	69	/	13.59	/	14.50
		135	138	/	12.59	/	13.50
		270	0	/	12.49	/	13.50



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	DFT-s-OFDM 16QAM	1	1	/	12.05	/	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	11.93	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	13.25	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	13.17	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	13.28	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	13.12	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	13.31	13.29	13.25	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	13.27	13.00	13.42	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	13.32	13.04	13.49	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	13.39	13.31	13.50	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	



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20MHz	DFT-s-OFDM QPSK	1	1	13.39	13.16	13.30	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	13.34	13.40	13.43	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	13.27	13.18	13.49	14.50

N78 PC3_30kHz				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	16.66	/	18.00
		1	137	/	16.78	/	18.00
		1	271	/	16.95	/	18.00
		135	0	/	16.01	/	17.00
		135	69	/	16.98	/	18.00
		135	138	/	16.17	/	17.00
		270	0	/	16.04	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	15.65	/	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	15.43	/	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	16.87	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	16.69	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	16.85	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	16.73	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	16.94	16.66	16.90	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	16.87	16.50	17.03	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	16.71	16.54	16.96	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	17.00	16.71	16.98	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	16.76	16.56	16.93	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	16.94	16.71	16.89	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	16.70	16.58	17.04	18.00



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5 Conducted Power of NSA

5.1 Conducted Power of NR (Ant7)

N77 PC3_30kHz ECI 2/7					Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
				3750.00	/	/	/	/	3930.00	
100MHz	DFT-s-OFDM QPSK	1	1	10.46	/	/	/	/	9.98	11.50
		1	137	10.32	/	/	/	/	9.81	11.50
		1	271	10.48	/	/	/	/	10.15	11.50
		135	0	9.53	/	/	/	/	9.24	10.50
		135	69	10.82	/	/	/	/	10.38	11.50
		135	138	9.69	/	/	/	/	9.33	10.50
		270	0	9.45	/	/	/	/	9.22	10.50
	DFT-s-OFDM 16QAM	1	1	8.94	/	/	/	/	8.71	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
100MHz	CP-OFDM QPSK	1	1	9.01	/	/	/	/	8.73	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	10.48	10.20	10.58	10.54	10.49	10.63	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	10.53	10.23	10.67	10.49	10.60	10.64	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	10.71	10.46	10.39	10.35	10.41	10.39	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	10.68	10.27	10.68	10.57	10.54	10.48	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	10.43	10.44	10.62	10.52	10.61	10.43	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	10.46	10.37	10.59	10.39	10.51	10.43	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	



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30MHz	DFT-s-OFDM QPSK	1	1	10.42	10.17	10.49	10.60	10.53	10.57	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 647499	Channel 650900	Channel 654298	Channel 657699	Channel 661100	Channel 664501	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	10.63	10.27	10.39	10.56	10.48	10.66	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 647332	Channel 650800	Channel 654264	Channel 657732	Channel 661200	Channel 664668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	10.56	10.45	10.51	10.54	10.58	10.65	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 647165	Channel 650700	Channel 654230	Channel 657765	Channel 661300	Channel 664835	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	10.62	10.29	10.62	10.55	10.48	10.41	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 646998	Channel 650600	Channel 654196	Channel 657798	Channel 661400	Channel 665002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	10.44	10.44	10.57	10.38	10.65	10.38	11.50

N77 PC3_30kHz ECI4				Conducted Power(dBm)						
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 650000	Channel 650000	Channel 650000	Channel 650000	Channel 650000	Tune up
				3750.00	/	/	/	/	3930.00	
100MHz	DFT-s-OFDM QPSK	1	1	13.76	/	/	/	/	13.66	15.00
		1	137	13.92	/	/	/	/	13.81	15.00
		1	271	13.98	/	/	/	/	13.91	15.00
		135	0	13.19	/	/	/	/	13.05	14.00
		135	69	14.26	/	/	/	/	14.02	15.00
		135	138	13.28	/	/	/	/	13.03	14.00
		270	0	13.38	/	/	/	/	13.09	14.00
	DFT-s-OFDM 16QAM	1	1	12.83	/	/	/	/	12.85	14.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 650000	Channel 650000	Channel 650000	Channel 650000	Channel 650000	Tune up
100MHz	CP-OFDM QPSK	1	1	12.56	/	/	/	/	12.37	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	14.26	13.90	14.22	14.33	14.12	13.92	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	14.29	13.99	14.12	14.20	14.07	14.10	15.00
Bandwidth	Modulation			Channel	Channel	Channel	Channel	Channel	Channel	Tune up



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		RB size	RB offset	649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	14.13	14.07	14.04	14.10	14.10	14.02	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	14.31	14.12	14.28	14.22	14.00	14.11	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	14.13	14.03	14.12	14.35	14.19	14.04	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	14.08	14.13	14.19	14.28	14.12	13.98	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	14.29	14.03	14.06	14.35	14.14	13.89	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	14.06	14.07	14.12	14.06	14.04	13.94	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	14.22	14.13	14.09	14.35	14.09	13.95	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	14.14	14.06	14.15	14.27	14.03	14.05	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	14.19	14.06	14.25	14.18	14.06	14.03	15.00

N78 PC3_30kHz ECI2/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	10.18	/	11.50
		1	137	/	10.22	/	11.50
		1	271	/	10.55	/	11.50



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		135	0	/	9.58	/	10.50
		135	69	/	10.57	/	11.50
		135	138	/	9.59	/	10.50
		270	0	/	9.41	/	10.50
	DFT-s-OFDM 16QAM	1	1	/	8.93	/	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	8.96	/	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	10.27	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	10.09	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	10.18	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	9.99	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	10.37	10.43	10.16	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	10.23	10.17	10.18	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	10.24	10.15	10.20	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	10.30	10.15	10.29	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	



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20MHz	DFT-s-OFDM QPSK	1	1	10.43	10.14	10.21	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	10.40	10.18	10.40	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	10.24	10.43	10.14	11.50

N78 PC3_30kHz ECI4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	13.74	/	15.00
		1	137	/	13.92	/	15.00
		1	271	/	13.94	/	15.00
		135	0	/	12.99	/	14.00
		135	69	/	13.89	/	15.00
		135	138	/	13.17	/	14.00
		270	0	/	13.13	/	14.00
	DFT-s-OFDM 16QAM	1	1	/	12.72	/	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	12.34	/	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	13.99	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	13.83	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	13.90	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	13.84	/	15.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	13.88	13.72	13.95	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	13.94	13.55	14.02	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	13.82	13.75	14.05	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	13.91	13.76	13.89	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	13.86	13.51	14.03	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	13.80	13.66	13.80	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	13.97	13.53	13.87	15.00

6 Conducted Power of UL MIMO

6.1 Conducted Power of NR (Ant3)

N77 PC3_30kHz ECI 2				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				650000	/	/	/	/	662000
				3750.00	/	/	/	/	3930.00
100MHz	DFT-s-OFDM QPSK	1	1	7.70	/	/	/	/	7.72
		1	137	8.01	/	/	/	/	7.84
		1	271	7.90	/	/	/	/	7.68
		135	0	7.01	/	/	/	/	7.09
		135	69	8.12	/	/	/	/	8.06
		135	138	6.90	/	/	/	/	7.00
		270	0	7.18	/	/	/	/	6.99
	DFT-s-OFDM 16QAM	1	1	6.57	/	/	/	/	6.80



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
100MHz	CP-OFDM QPSK	1	1	6.37	/	/	/	/	6.46	8.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	7.73	8.03	7.94	7.90	7.67	7.82	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	7.76	7.92	7.94	8.15	7.70	8.06	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	7.80	7.96	7.81	8.08	7.80	8.04	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	7.75	7.99	7.81	8.15	7.78	7.77	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	7.73	8.16	7.89	7.96	7.70	7.85	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	7.92	7.99	7.96	8.02	7.88	8.06	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	7.97	8.16	7.92	8.02	7.89	7.79	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	7.75	8.01	7.97	8.06	7.64	7.93	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	7.72	7.92	7.80	7.88	7.80	8.05	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	7.97	7.99	7.98	7.92	7.77	7.86	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	



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10MHz	DFT-s-OFDM QPSK	1	1	7.91	7.89	7.78	8.12	7.91	7.82	9.50
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N77 PC3_30kHz ECI 4					Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
				3750.00	/	/	/	/	3930.00	
100MHz	DFT-s-OFDM QPSK	1	1	12.71	/	/	/	/	12.72	14.50
		1	137	12.78	/	/	/	/	12.78	14.50
		1	271	12.78	/	/	/	/	12.74	14.50
		135	0	11.97	/	/	/	/	11.91	13.50
		135	69	13.09	/	/	/	/	12.99	14.50
		135	138	12.19	/	/	/	/	12.06	13.50
		270	0	11.98	/	/	/	/	11.99	13.50
	DFT-s-OFDM 16QAM	1	1	11.81	/	/	/	/	11.76	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	11.44	/	/	/	/	11.49	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	12.67	12.91	12.98	13.05	12.57	12.99	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	12.62	13.09	12.81	12.96	12.66	12.92	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	12.82	12.96	12.77	13.04	12.63	12.95	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	12.66	13.02	12.82	12.93	12.70	12.94	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	12.86	12.99	12.95	13.08	12.81	13.01	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	12.76	12.89	12.85	13.00	12.63	12.76	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up



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		RB size	RB offset	647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	12.75	13.02	12.97	12.99	12.65	12.76	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	12.67	12.94	12.78	12.97	12.60	13.01	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	12.76	12.94	13.00	13.05	12.75	12.77	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	12.73	13.05	12.79	13.08	12.77	12.82	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	12.64	13.10	12.73	12.83	12.58	12.75	14.50

N77 PC3_30kHz ECI 7				Conducted Power(dBm)						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
				3750.00	/	/	/	/	3930.00	
100MHz	DFT-s-OFDM QPSK	1	1	11.31	/	/	/	/	11.35	13.00
		1	137	11.35	/	/	/	/	11.50	13.00
		1	271	11.21	/	/	/	/	11.36	13.00
		135	0	10.41	/	/	/	/	10.54	12.00
		135	69	11.67	/	/	/	/	11.48	13.00
		135	138	10.73	/	/	/	/	10.46	12.00
		270	0	10.71	/	/	/	/	10.50	12.00
	DFT-s-OFDM 16QAM	1	1	10.04	/	/	/	/	10.36	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
100MHz	CP-OFDM QPSK	1	1	10.06	/	/	/	/	10.08	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	11.48	11.29	11.46	11.62	11.24	11.52	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	



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80MHz	DFT-s-OFDM QPSK	1	1	11.28	11.55	11.43	11.62	11.31	11.47	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	11.27	11.48	11.45	11.51	11.30	11.40	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	11.53	11.30	11.34	11.72	11.29	11.63	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	11.57	11.35	11.49	11.69	11.38	11.60	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	11.53	11.52	11.34	11.62	11.34	11.37	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	11.46	11.44	11.34	11.77	11.45	11.41	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	11.56	11.36	11.31	11.72	11.47	11.39	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	11.29	11.41	11.51	11.71	11.33	11.38	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	11.50	11.54	11.44	11.70	11.30	11.59	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	11.54	11.56	11.56	11.76	11.53	11.46	13.00

N78 PC3_30kHz ECI 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	7.90	/	9.50
		1	137	/	7.86	/	9.50



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		1	271	/	7.73	/	9.50
		135	0	/	7.22	/	8.50
		135	69	/	7.94	/	9.50
		135	138	/	6.82	/	8.50
		270	0	/	6.93	/	8.50
	DFT-s-OFDM 16QAM	1	1	/	6.60	/	8.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	6.15	/	8.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	7.71	/	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	8.17	/	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	8.20	/	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	7.81	/	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	8.26	8.14	8.23	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	8.16	7.99	8.06	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	8.05	8.07	8.26	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	



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25MHz	DFT-s-OFDM QPSK	1	1	8.25	8.03	8.16	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	8.21	7.99	8.33	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	8.12	8.13	8.22	9.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	8.26	8.00	8.13	9.50

N78 PC3_30kHz ECI 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	12.82	/	14.50
		1	137	/	12.74	/	14.50
		1	271	/	12.74	/	14.50
		135	0	/	12.05	/	13.50
		135	69	/	13.10	/	14.50
		135	138	/	11.73	/	13.50
		270	0	/	11.78	/	13.50
	DFT-s-OFDM 16QAM	1	1	/	11.73	/	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	11.23	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	12.78	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	13.25	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	13.04	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	12.86	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	12.97	12.81	13.30	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	12.91	12.79	13.17	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	13.02	12.89	13.04	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	13.07	12.87	13.26	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	13.07	12.83	13.11	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	13.13	12.90	13.29	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	13.10	12.92	13.02	14.50

N78 PC3_30kHz ECI 7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz		1	1	/	11.50	/	13.00



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		1	137	/	11.41	/	13.00
		1	271	/	11.39	/	13.00
	DFT-s-OFDM QPSK	135	0	/	10.62	/	12.00
		135	69	/	11.62	/	13.00
		135	138	/	10.42	/	12.00
		270	0	/	10.60	/	12.00
	DFT-s-OFDM 16QAM	1	1	/	10.01	/	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	10.12	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	11.61	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	11.73	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	11.75	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	11.43	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	11.78	11.90	11.78	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	11.93	11.90	11.66	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	11.95	11.78	11.61	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	11.76	11.82	11.59	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	11.67	11.62	11.87	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	11.72	11.82	11.66	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	11.79	11.77	11.84	13.00

6.2 Conducted Power of NR (Ant7)

N77 PC3_30kHz ECI 2/7				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000
				3750.00	/	/	/	/	3930.00
100MHz	DFT-s-OFDM QPSK	1	1	10.46	/	/	/	/	9.98
		1	137	10.32	/	/	/	/	9.81
		1	271	10.48	/	/	/	/	10.15
		135	0	9.53	/	/	/	/	9.24
		135	69	10.82	/	/	/	/	10.38
		135	138	9.69	/	/	/	/	9.33
		270	0	9.45	/	/	/	/	9.22
	DFT-s-OFDM 16QAM	1	1	8.94	/	/	/	/	8.71
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000
100MHz	CP-OFDM QPSK	1	1	9.01	/	/	/	/	8.73
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332
90MHz	DFT-s-OFDM QPSK	1	1	10.48	10.20	10.58	10.54	10.49	10.63
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666
80MHz	DFT-s-OFDM QPSK	1	1	10.53	10.23	10.67	10.49	10.60	10.64
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999



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70MHz	DFT-s-OFDM QPSK	1	1	10.71	10.46	10.39	10.35	10.41	10.39	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	10.68	10.27	10.68	10.57	10.54	10.48	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	10.43	10.44	10.62	10.52	10.61	10.43	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	10.46	10.37	10.59	10.39	10.51	10.43	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	10.42	10.17	10.49	10.60	10.53	10.57	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	10.63	10.27	10.39	10.56	10.48	10.66	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	10.56	10.45	10.51	10.54	10.58	10.65	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	10.62	10.29	10.62	10.55	10.48	10.41	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	10.44	10.44	10.57	10.38	10.65	10.38	11.50

N77 PC3 30kHz ECI4				Conducted Power(dBm)						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
				3750.00	/	/	/	/	3930.00	
100MHz	DFT-s-OFDM QPSK	1	1	13.76	/	/	/	/	13.66	15.00
		1	137	13.92	/	/	/	/	13.81	15.00
		1	271	13.98	/	/	/	/	13.91	15.00
		135	0	13.19	/	/	/	/	13.05	14.00
		135	69	14.26	/	/	/	/	14.02	15.00



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		135	138	13.28	/	/	/	/	13.03	14.00
		270	0	13.38	/	/	/	/	13.09	14.00
	DFT-s-OFDM 16QAM	1	1	12.83	/	/	/	/	12.85	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	/	/	/	/	662000	
100MHz	CP-OFDM QPSK	1	1	12.56	/	/	/	/	12.37	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	14.26	13.90	14.22	14.33	14.12	13.92	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	14.29	13.99	14.12	14.20	14.07	14.10	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	14.13	14.07	14.04	14.10	14.10	14.02	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	14.31	14.12	14.28	14.22	14.00	14.11	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	14.13	14.03	14.12	14.35	14.19	14.04	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	14.08	14.13	14.19	14.28	14.12	13.98	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	14.29	14.03	14.06	14.35	14.14	13.89	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	14.06	14.07	14.12	14.06	14.04	13.94	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	14.22	14.13	14.09	14.35	14.09	13.95	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	



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15MHz	DFT-s-OFDM QPSK	1	1	14.14	14.06	14.15	14.27	14.03	14.05	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	14.19	14.06	14.25	14.18	14.06	14.03	15.00

N78 PC3_30kHz ECI2/7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	10.18	/	11.50
		1	137	/	10.22	/	11.50
		1	271	/	10.55	/	11.50
		135	0	/	9.58	/	10.50
		135	69	/	10.57	/	11.50
		135	138	/	9.59	/	10.50
		270	0	/	9.41	/	10.50
	DFT-s-OFDM 16QAM	1	1	/	8.93	/	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	8.96	/	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	10.27	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	10.09	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	10.18	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	9.99	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	10.37	10.43	10.16	11.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	10.23	10.17	10.18	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	10.24	10.15	10.20	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	10.30	10.15	10.29	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	10.43	10.14	10.21	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	10.40	10.18	10.40	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	10.24	10.43	10.14	11.50

N78 PC3_30kHz ECI4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	13.74	/	15.00
		1	137	/	13.92	/	15.00
		1	271	/	13.94	/	15.00
		135	0	/	12.99	/	14.00
		135	69	/	13.89	/	15.00
		135	138	/	13.17	/	14.00
		270	0	/	13.13	/	14.00
	DFT-s-OFDM 16QAM	1	1	/	12.72	/	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	12.34	/	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	



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90MHz	DFT-s-OFDM QPSK	1	1	/	13.99	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	13.83	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	13.90	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	13.84	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	13.88	13.72	13.95	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	13.94	13.55	14.02	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	13.82	13.75	14.05	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	13.91	13.76	13.89	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	13.86	13.51	14.03	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	13.80	13.66	13.80	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	13.97	13.53	13.87	15.00



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7 Conducted Power of WIFI and Bluetooth

7.1 Conducted Power of 2.4G WIFI

WIFI 2.4G Ant4 Head Standalone					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.28	16.50
	6	2437		14.73	16.50
	11	2462		15.72	16.50
802.11g	1	2412	6	14.55	16.00
	6	2437		15.76	16.00
	11	2462		15.54	16.00
802.11n HT20	1	2412	6.5	14.66	16.00
	6	2437		15.65	16.00
	11	2462		14.82	16.00
802.11n HT40	3	2422	13.5	12.22	12.50
	6	2437		14.65	16.00
	9	2452		11.08	12.50
802.11ax HE20	1	2412	MCS0	13.66	14.00
	6	2437		15.49	16.00
	11	2462		13.14	14.00
802.11ax HE40	3	2422	MCS0	11.44	12.00
	6	2437		14.69	16.00
	9	2452		10.92	12.00

WIFI 2.4G Ant4 Head Simultaneous transmission					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	11.32	11.50
	6	2437		9.64	11.50
	11	2462		10.64	11.50
802.11g	1	2412	6	9.62	11.00
	6	2437		10.67	11.00
	11	2462		10.64	11.00
802.11n HT20	1	2412	6.5	9.54	11.00
	6	2437		10.77	11.00
	11	2462		9.88	11.00
802.11n HT40	3	2422	13.5	7.29	7.50
	6	2437		9.54	11.00
	9	2452		6.00	7.50
802.11ax HE20	1	2412	MCS0	8.70	9.00
	6	2437		10.39	11.00
	11	2462		8.02	9.00



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802.11ax HE40	3	2422	MCS0	6.33	7.00
	6	2437		9.73	11.00
	9	2452		5.84	7.00

WIFI 2.4G Ant4 Body-worn&Product specific 0mm Standalone					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	19.28	19.50
	6	2437		17.65	19.50
	11	2462		18.65	19.50
802.11g	1	2412	6	17.64	19.00
	6	2437		18.83	19.00
	11	2462		18.48	19.00
802.11n HT20	1	2412	6.5	17.66	19.00
	6	2437		18.72	19.00
	11	2462		17.69	19.00
802.11n HT40	3	2422	13.5	16.28	16.50
	6	2437		16.68	18.00
	9	2452		15.03	16.50
802.11ax HE20	1	2412	MCS0	17.53	18.00
	6	2437		18.47	19.00
	11	2462		17.02	18.00
802.11ax HE40	3	2422	MCS0	15.41	16.00
	6	2437		16.75	18.00
	9	2452		14.84	16.00

WIFI 2.4G Ant4 Hotspot&Body-worn&Product specific 0mm Simultaneous transmission					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	13.87	14.00
	6	2437		12.00	14.00
	11	2462		13.19	14.00
802.11g	1	2412	6	11.16	12.50
	6	2437		13.14	13.50
	11	2462		12.05	12.50
802.11n HT20	1	2412	6.5	11.29	12.50
	6	2437		13.03	13.50
	11	2462		11.15	12.50
802.11n HT40	3	2422	13.5	9.95	10.00
	6	2437		11.25	12.50
	9	2452		8.44	10.00
	1	2412	MCS0	11.08	11.50



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802.11ax HE20	6	2437		12.94	13.50
	11	2462		10.48	11.50
802.11ax HE40	3	2422	MCS0	9.05	9.50
	6	2437		11.36	12.50
	9	2452		8.44	9.50

WIFI 2.4G Ant5 Head Standalone					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.23	16.50
	6	2437		14.74	16.50
	11	2462		15.43	16.50
802.11g	1	2412	6	14.72	16.00
	6	2437		15.66	16.00
	11	2462		15.56	16.00
802.11n HT20	1	2412	6.5	14.82	16.00
	6	2437		15.76	16.00
	11	2462		14.93	16.00
802.11n HT40	3	2422	13.5	12.13	12.50
	6	2437		14.76	16.00
	9	2452		11.21	12.50
802.11ax HE20	1	2412	MCS0	13.55	14.00
	6	2437		15.35	16.00
	11	2462		13.23	14.00
802.11ax HE40	3	2422	MCS0	11.30	12.00
	6	2437		14.60	16.00
	9	2452		10.75	12.00

WIFI 2.4G Ant5 Head Simultaneous transmission					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	11.12	11.50
	6	2437		9.64	11.50
	11	2462		10.40	11.50
802.11g	1	2412	6	9.73	11.00
	6	2437		10.64	11.00
	11	2462		10.60	11.00
802.11n HT20	1	2412	6.5	9.93	11.00
	6	2437		10.66	11.00
	11	2462		9.85	11.00
802.11n HT40	3	2422	13.5	7.11	7.50
	6	2437		9.82	11.00



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	9	2452		6.20	7.50
802.11ax HE20	1	2412	MCS0	8.59	9.00
	6	2437		10.44	11.00
	11	2462		8.24	9.00
802.11ax HE40	3	2422	MCS0	6.31	7.00
	6	2437		9.48	11.00
	9	2452		5.85	7.00

WIFI 2.4G Ant5 Body-worn&Product specific 0mm Standalone					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	19.13	19.50
	6	2437		17.74	19.50
	11	2462		18.43	19.50
802.11g	1	2412	6	17.72	19.00
	6	2437		18.76	19.00
	11	2462		18.56	19.00
802.11n HT20	1	2412	6.5	17.82	19.00
	6	2437		18.81	19.00
	11	2462		17.93	19.00
802.11n HT40	3	2422	13.5	16.17	16.50
	6	2437		16.75	18.00
	9	2452		15.18	16.50
802.11ax HE20	1	2412	MCS0	17.51	18.00
	6	2437		18.45	19.00
	11	2462		17.19	18.00
802.11ax HE40	3	2422	MCS0	15.25	16.00
	6	2437		16.66	18.00
	9	2452		14.71	16.00

WIFI 2.4G Ant5 Hotspot&Body-worn&Product specific 0mm Simultaneous transmission					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	13.66	14.00
	6	2437		12.30	14.00
	11	2462		12.96	14.00
802.11g	1	2412	6	11.29	12.50
	6	2437		13.12	13.50
	11	2462		12.10	12.50
802.11n HT20	1	2412	6.5	11.23	12.50
	6	2437		13.43	13.50
	11	2462		11.49	12.50



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802.11n HT40	3	2422	13.5	9.83	10.00
	6	2437		11.16	12.50
	9	2452		8.83	10.00
802.11ax HE20	1	2412	MCS0	11.19	11.50
	6	2437		12.84	13.50
	11	2462		10.86	11.50
802.11ax HE40	3	2422	MCS0	8.71	9.50
	6	2437		11.28	12.50
	9	2452		8.37	9.50

WIFI 2.4G MIMO Head Standalone					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	19.27	19.50
	6	2437		17.75	19.50
	11	2462		18.59	19.50
802.11g	1	2412	6	17.65	19.00
	6	2437		18.72	19.00
	11	2462		18.56	19.00
802.11n HT20	1	2412	6.5	17.75	19.00
	6	2437		18.72	19.00
	11	2462		17.89	19.00
802.11n HT40	3	2422	13.5	15.19	15.50
	6	2437		17.72	19.00
	9	2452		14.16	15.50
802.11ax HE20	1	2412	MCS0	16.62	17.00
	6	2437		18.43	19.00
	11	2462		16.20	17.00
802.11ax HE40	3	2422	MCS0	14.38	15.00
	6	2437		17.66	19.00
	9	2452		13.85	15.00

WIFI 2.4G MIMO Head Simultaneous transmission					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	14.23	14.50
	6	2437		12.65	14.50
	11	2462		13.53	14.50
802.11g	1	2412	6	12.69	14.00
	6	2437		13.67	14.00
	11	2462		13.63	14.00
	1	2412	6.5	12.75	14.00



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802.11n HT20	6	2437		13.73	14.00
	11	2462		12.88	14.00
802.11n HT40	3	2422	13.5	10.21	10.50
	6	2437		12.69	14.00
	9	2452		9.11	10.50
802.11ax HE20	1	2412	MCS0	11.66	12.00
	6	2437		13.43	14.00
	11	2462		11.14	12.00
802.11ax HE40	3	2422	MCS0	9.33	10.00
	6	2437		12.62	14.00
	9	2452		8.86	10.00

WIFI 2.4G MIMO Body-worn&Product specific 0mm Standalone					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	22.22	22.50
	6	2437		20.71	22.50
	11	2462		21.55	22.50
802.11g	1	2412	6	20.69	22.00
	6	2437		21.81	22.00
	11	2462		21.53	22.00
802.11n HT20	1	2412	6.5	20.75	22.00
	6	2437		21.78	22.00
	11	2462		20.82	22.00
802.11n HT40	3	2422	13.5	19.24	19.50
	6	2437		19.73	21.00
	9	2452		18.12	19.50
802.11ax HE20	1	2412	MCS0	20.53	21.00
	6	2437		21.47	22.00
	11	2462		20.12	21.00
802.11ax HE40	3	2422	MCS0	18.34	19.00
	6	2437		19.72	21.00
	9	2452		17.79	19.00

WIFI 2.4G MIMO Hotspot&Body-worn&Product specific 0mm Simultaneous transmission					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.78	17.00
	6	2437		15.16	17.00
	11	2462		16.09	17.00
802.11g	1	2412	6	14.24	15.50
	6	2437		16.14	16.50



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	11	2462		15.09	15.50
802.11n HT20	1	2412	6.5	14.27	15.50
	6	2437		16.24	16.50
	11	2462		14.33	15.50
802.11n HT40	3	2422	13.5	12.90	13.00
	6	2437		14.22	15.50
	9	2452		11.65	13.00
802.11ax HE20	1	2412	MCS0	14.15	14.50
	6	2437		15.90	16.50
	11	2462		13.68	14.50
802.11ax HE40	3	2422	MCS0	11.89	12.50
	6	2437		14.33	15.50
	9	2452		11.42	12.50



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7.2 Conducted Power of 5G WIFI

WIFI 5G Ant4 Head Standalone						
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	
5GHz U-NII-1	802.11a	36	5180	9.41	10.50	
		40	5200	9.42	10.50	
		44	5220	9.37	10.50	
		48	5240	9.51	10.50	
	802.11n HT20	36	5180	9.73	11.00	
		40	5200	9.94	11.00	
		44	5220	9.77	11.00	
		48	5240	9.95	11.00	
	802.11n HT40	38	5190	11.90	13.00	
		46	5230	11.87	13.00	
	802.11ac VHT20	36	5180	9.91	11.00	
		40	5200	10.00	11.00	
		44	5220	9.94	11.00	
		48	5240	10.23	11.00	
	802.11ac VHT40	38	5190	11.70	13.00	
		46	5230	11.71	13.00	
	802.11ac VHT80	42	5210	9.10	10.00	
	802.11ax HE20	36	5180	9.86	11.00	
		40	5200	9.80	11.00	
		44	5220	9.97	11.00	
		48	5240	10.10	11.00	
	802.11ax HE40	38	5190	12.01	13.00	
		46	5230	11.90	13.00	
	802.11ax HE80	42	5210	9.12	10.00	
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
	5GHz U-NII-2A	802.11a	52	5260	9.19	10.00
56			5280	9.10	10.00	
60			5300	9.03	10.00	
64			5320	9.16	10.00	
802.11n HT20		52	5260	9.68	10.50	
		56	5280	9.62	10.50	
		60	5300	9.50	10.50	
		64	5320	9.59	10.50	
802.11n HT40		54	5270	11.84	12.50	
		62	5310	8.86	10.00	
		52	5260	9.59	10.50	

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5GHz UNII-2C	802.11ac VHT20	56	5280	9.59	10.50
		60	5300	9.47	10.50
		64	5320	9.64	10.50
	802.11ac VHT40	54	5270	11.83	12.50
		62	5310	8.94	10.00
	802.11ac VHT80	58	5290	8.27	9.00
	802.11ac VHT160	50	5250	7.04	8.00
	802.11ax HE20	52	5260	9.69	10.50
		56	5280	9.64	10.50
		60	5300	9.55	10.50
		64	5320	9.54	10.50
	802.11ax HE40	54	5270	11.77	12.50
		62	5310	8.93	10.00
	802.11ax HE80	58	5290	8.27	9.00
	802.11ax HE160	50	5250	6.81	8.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	9.94	10.50
		104	5520	10.23	10.50
		108	5540	10.10	10.50
		112	5560	10.28	10.50
		116	5580	10.33	10.50
		120	5600	10.11	10.50
		124	5620	10.27	10.50
		128	5640	10.17	10.50
		132	5660	9.65	10.50
		136	5680	9.75	10.50
		140	5700	9.46	10.50
		144	5720	10.48	10.50
	802.11n HT20	100	5500	11.07	11.50
		104	5520	11.21	11.50
		108	5540	10.81	11.50
		112	5560	10.85	11.50
		116	5580	10.90	11.50
		120	5600	10.79	11.50
		124	5620	10.76	11.50
		128	5640	10.59	11.50
		132	5660	10.74	11.50
		136	5680	11.05	11.50



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		140	5700	10.51	11.50
		144	5720	10.98	11.50
	802.11n HT40	102	5510	13.31	14.00
		110	5550	13.27	14.00
		118	5590	13.13	14.00
		126	5630	13.33	14.00
		134	5670	13.48	14.00
		142	5710	13.51	14.00
		802.11ac VHT20	100	5500	11.16
	104		5520	11.19	11.50
	108		5540	11.02	11.50
	112		5560	10.94	11.50
	116		5580	10.82	11.50
	120		5600	10.92	11.50
	124		5620	10.71	11.50
	128		5640	10.69	11.50
	132		5660	10.87	11.50
	136		5680	10.95	11.50
	140		5700	10.49	11.50
	144		5720	10.99	11.50
	802.11ac VHT40	102	5510	13.28	14.00
		110	5550	13.27	14.00
		118	5590	13.14	14.00
		126	5630	13.14	14.00
		134	5670	13.46	14.00
		142	5710	13.66	14.00
	802.11ac VHT80	106	5530	13.58	14.50
		122	5610	13.27	14.50
		138	5690	13.59	14.50
	802.11ax HE20	100	5500	11.09	11.50
		104	5520	11.21	11.50
		108	5540	10.81	11.50
112		5560	10.86	11.50	
116		5580	10.90	11.50	
120		5600	10.79	11.50	
124		5620	10.56	11.50	
128		5640	10.72	11.50	
132		5660	10.89	11.50	
136		5680	11.10	11.50	
140		5700	10.58	11.50	
144		5720	10.84	11.50	
	102	5510	13.41	14.00	



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5GHz UNII-3	802.11ax HE40	110	5550	13.20	14.00
		118	5590	13.22	14.00
		126	5630	13.20	14.00
		134	5670	13.43	14.00
		142	5710	13.65	14.00
	802.11ax HE80	106	5530	13.50	14.50
		122	5610	13.29	14.50
		138	5690	13.53	14.50
	802.11ax HE160	114	5570	9.58	10.50
	5GHz	Channel	Frequency(MHz)	Average Power (dBm)	Tune up
	802.11a	149	5745	12.53	13.50
		153	5765	12.53	13.50
		157	5785	12.54	13.50
		161	5805	12.54	13.50
		165	5825	13.11	13.50
	802.11n HT20	149	5745	12.42	13.50
		153	5765	12.53	13.50
		157	5785	12.61	13.50
		161	5805	12.70	13.50
		165	5825	12.68	13.50
	802.11n HT40	151	5755	12.69	13.50
		159	5795	12.96	13.50
	802.11ac VHT20	149	5745	12.48	13.50
		153	5765	12.46	13.50
		157	5785	12.67	13.50
		161	5805	12.71	13.50
		165	5825	12.66	13.50
	802.11ac VHT40	151	5755	12.58	13.50
		159	5795	12.72	13.50
	802.11ac VHT80	155	5775	12.65	13.50
	802.11ax HE20	149	5745	12.52	13.50
		153	5765	12.59	13.50
		157	5785	12.96	13.50
		161	5805	12.65	13.50
		165	5825	13.00	13.50
	802.11ax HE40	151	5755	12.76	13.50
		159	5795	13.00	13.50
	802.11ax HE80	155	5775	12.48	13.50



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WIFI 5G Ant4 Head Simultaneous transmission						
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	
5GHz U-NII-1	802.11a	36	5180	5.32	6.50	
		40	5200	5.51	6.50	
		44	5220	5.27	6.50	
		48	5240	5.49	6.50	
	802.11n HT20	36	5180	5.69	7.00	
		40	5200	6.05	7.00	
		44	5220	5.72	7.00	
		48	5240	5.82	7.00	
	802.11n HT40	38	5190	7.88	9.00	
		46	5230	7.82	9.00	
	802.11ac VHT20	36	5180	5.79	7.00	
		40	5200	6.01	7.00	
		44	5220	6.03	7.00	
		48	5240	6.21	7.00	
	802.11ac VHT40	38	5190	7.67	9.00	
		46	5230	7.63	9.00	
	802.11ac VHT80	42	5210	5.12	6.00	
	802.11ax HE20	36	5180	5.74	7.00	
		40	5200	5.92	7.00	
		44	5220	5.93	7.00	
		48	5240	6.19	7.00	
	802.11ax HE40	38	5190	7.89	9.00	
		46	5230	7.92	9.00	
	802.11ax HE80	42	5210	5.10	6.00	
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
	5GHz U-NII-2A	802.11a	52	5260	5.18	6.00
			56	5280	5.13	6.00
			60	5300	4.99	6.00
			64	5320	5.08	6.00
		802.11n HT20	52	5260	5.55	6.50
			56	5280	5.59	6.50
			60	5300	5.39	6.50
64			5320	5.55	6.50	
802.11n HT40		54	5270	7.95	8.50	
		62	5310	4.76	6.00	
		52	5260	5.63	6.50	



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	802.11ac VHT20	56	5280	5.63	6.50
		60	5300	5.46	6.50
		64	5320	5.72	6.50
	802.11ac VHT40	54	5270	7.71	8.50
		62	5310	5.01	6.00
	802.11ac VHT80	58	5290	4.40	5.00
	802.11ac VHT160	50	5250	3.01	4.00
	802.11ax HE20	52	5260	5.76	6.50
		56	5280	5.67	6.50
		60	5300	5.55	6.50
		64	5320	5.54	6.50
	802.11ax HE40	54	5270	7.71	8.50
		62	5310	4.85	6.00
	802.11ax HE80	58	5290	4.21	5.00
	802.11ax HE160	50	5250	2.86	4.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	4.94	5.50
		104	5520	5.31	5.50
		108	5540	5.12	5.50
		112	5560	5.15	5.50
		116	5580	5.33	5.50
		120	5600	5.17	5.50
		124	5620	5.20	5.50
		128	5640	5.17	5.50
		132	5660	4.72	5.50
		136	5680	4.77	5.50
		140	5700	4.39	5.50
		144	5720	5.41	5.50
	802.11n HT20	100	5500	6.12	6.50
		104	5520	6.11	6.50
		108	5540	5.71	6.50
		112	5560	5.84	6.50
		116	5580	5.98	6.50
		120	5600	5.77	6.50
		124	5620	5.77	6.50
		128	5640	5.47	6.50
		132	5660	5.84	6.50
		136	5680	5.93	6.50
		140	5700	5.57	6.50



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		144	5720	5.99	6.50
	802.11n HT40	102	5510	8.43	9.00
		110	5550	8.34	9.00
		118	5590	8.05	9.00
		126	5630	8.37	9.00
		134	5670	8.45	9.00
		142	5710	8.48	9.00
	802.11ac VHT20	100	5500	6.20	6.50
		104	5520	6.26	6.50
		108	5540	6.14	6.50
		112	5560	5.99	6.50
		116	5580	5.91	6.50
		120	5600	6.05	6.50
		124	5620	5.69	6.50
		128	5640	5.66	6.50
		132	5660	5.77	6.50
		136	5680	5.92	6.50
		140	5700	5.49	6.50
		144	5720	6.06	6.50
	802.11ac VHT40	102	5510	8.36	9.00
		110	5550	8.30	9.00
		118	5590	8.25	9.00
		126	5630	8.23	9.00
		134	5670	8.39	9.00
		142	5710	8.55	9.00
	802.11ac VHT80	106	5530	8.54	9.50
		122	5610	8.29	9.50
		138	5690	8.64	9.50
	802.11ax HE20	100	5500	6.18	6.50
		104	5520	6.27	6.50
		108	5540	5.90	6.50
		112	5560	5.82	6.50
		116	5580	5.84	6.50
		120	5600	5.68	6.50
		124	5620	5.43	6.50
		128	5640	5.61	6.50
		132	5660	5.86	6.50
		136	5680	6.12	6.50
		140	5700	5.48	6.50
		144	5720	5.96	6.50
	802.11ax HE40	102	5510	8.39	9.00
		110	5550	8.28	9.00



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		118	5590	8.29	9.00
		126	5630	8.30	9.00
		134	5670	8.37	9.00
		142	5710	8.75	9.00
	802.11ax HE80	106	5530	8.58	9.50
		122	5610	8.16	9.50
		138	5690	8.43	9.50
	802.11ax HE160	114	5570	4.68	5.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	8.50	9.50
		153	5765	8.47	9.50
		157	5785	8.48	9.50
		161	5805	8.58	9.50
		165	5825	9.18	9.50
	802.11n HT20	149	5745	8.50	9.50
		153	5765	8.52	9.50
		157	5785	8.49	9.50
		161	5805	8.60	9.50
		165	5825	8.69	9.50
	802.11n HT40	151	5755	8.80	9.50
		159	5795	8.97	9.50
	802.11ac VHT20	149	5745	8.47	9.50
		153	5765	8.58	9.50
		157	5785	8.77	9.50
		161	5805	8.75	9.50
		165	5825	8.68	9.50
	802.11ac VHT40	151	5755	8.49	9.50
		159	5795	8.73	9.50
	802.11ac VHT80	155	5775	8.77	9.50
	802.11ax HE20	149	5745	8.47	9.50
		153	5765	8.65	9.50
		157	5785	8.84	9.50
		161	5805	8.77	9.50
		165	5825	8.97	9.50
	802.11ax HE40	151	5755	8.85	9.50
		159	5795	9.10	9.50
	802.11ax HE80	155	5775	8.50	9.50



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WIFI 5G Ant4 Body-worn&Product specific 0mm Standalone					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	12.81	14.00
		40	5200	12.98	14.00
		44	5220	12.87	14.00
		48	5240	13.04	14.00
	802.11n HT20	36	5180	13.09	14.50
		40	5200	13.43	14.50
		44	5220	13.44	14.50
		48	5240	13.60	14.50
	802.11n HT40	38	5190	15.37	16.50
		46	5230	15.26	16.50
	802.11ac VHT20	36	5180	13.22	14.50
		40	5200	13.26	14.50
		44	5220	13.52	14.50
		48	5240	13.73	14.50
	802.11ac VHT40	38	5190	15.36	16.50
		46	5230	15.31	16.50
	802.11ac VHT80	42	5210	12.66	13.50
	802.11ax HE20	36	5180	13.29	14.50
		40	5200	13.38	14.50
		44	5220	13.61	14.50
		48	5240	13.68	14.50
	802.11ax HE40	38	5190	15.33	16.50
		46	5230	15.22	16.50
	802.11ax HE80	42	5210	12.64	13.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	13.13	14.00
		56	5280	12.98	14.00
		60	5300	13.05	14.00
		64	5320	13.22	14.00
	802.11n HT20	52	5260	13.57	14.50
		56	5280	13.51	14.50
		60	5300	13.49	14.50
		64	5320	13.56	14.50
	802.11n HT40	54	5270	15.71	16.50
		62	5310	12.94	14.00
		52	5260	13.56	14.50



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	802.11ac VHT20	56	5280	13.42	14.50
		60	5300	13.54	14.50
		64	5320	13.76	14.50
	802.11ac VHT40	54	5270	15.69	16.50
		62	5310	12.72	14.00
	802.11ac VHT80	58	5290	12.24	13.00
	802.11ac VHT160	50	5250	10.79	12.00
	802.11ax HE20	52	5260	13.84	14.50
		56	5280	13.66	14.50
		60	5300	13.54	14.50
		64	5320	13.60	14.50
	802.11ax HE40	54	5270	15.68	16.50
		62	5310	12.95	14.00
	802.11ax HE80	58	5290	12.05	13.00
	802.11ax HE160	50	5250	10.90	12.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	14.10	14.50
		104	5520	14.09	14.50
		108	5540	14.13	14.50
		112	5560	14.30	14.50
		116	5580	14.26	14.50
		120	5600	14.17	14.50
		124	5620	14.13	14.50
		128	5640	14.00	14.50
		132	5660	13.91	14.50
		136	5680	13.94	14.50
		140	5700	13.35	14.50
		144	5720	14.42	14.50
	802.11n HT20	100	5500	15.18	15.50
		104	5520	15.18	15.50
		108	5540	14.95	15.50
		112	5560	14.92	15.50
		116	5580	14.90	15.50
		120	5600	14.78	15.50
		124	5620	14.54	15.50
		128	5640	14.58	15.50
		132	5660	14.85	15.50
		136	5680	14.91	15.50



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		140	5700	14.51	15.50
		144	5720	14.83	15.50
	802.11n HT40	102	5510	17.31	18.00
		110	5550	17.23	18.00
		118	5590	17.20	18.00
		126	5630	17.16	18.00
		134	5670	17.40	18.00
		142	5710	17.66	18.00
		802.11ac VHT20	100	5500	15.18
	104		5520	15.22	15.50
	108		5540	14.92	15.50
	112		5560	14.86	15.50
	116		5580	14.93	15.50
	120		5600	14.88	15.50
	124		5620	14.58	15.50
	128		5640	14.71	15.50
	132		5660	14.83	15.50
	136		5680	14.83	15.50
	140		5700	14.55	15.50
	144		5720	14.84	15.50
	802.11ac VHT40	102	5510	17.15	18.00
		110	5550	17.33	18.00
		118	5590	17.07	18.00
		126	5630	17.31	18.00
		134	5670	17.47	18.00
		142	5710	17.64	18.00
	802.11ac VHT80	106	5530	17.47	18.50
		122	5610	17.32	18.50
		138	5690	17.55	18.50
	802.11ax HE20	100	5500	15.09	15.50
		104	5520	15.23	15.50
		108	5540	14.87	15.50
112		5560	14.82	15.50	
116		5580	14.99	15.50	
120		5600	14.70	15.50	
124		5620	14.73	15.50	
128		5640	14.63	15.50	
132		5660	14.86	15.50	
136		5680	14.97	15.50	
140		5700	14.55	15.50	
144		5720	14.80	15.50	
	102	5510	17.28	18.00	



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	802.11ax HE40	110	5550	17.22	18.00
		118	5590	17.18	18.00
		126	5630	17.29	18.00
		134	5670	17.31	18.00
		142	5710	17.56	18.00
	802.11ax HE80	106	5530	17.53	18.50
		122	5610	17.26	18.50
		138	5690	17.64	18.50
	802.11ax HE160	114	5570	13.60	14.50
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)
5GHz UNII-3	802.11a	149	5745	17.56	18.50
		153	5765	17.59	18.50
		157	5785	17.41	18.50
		161	5805	17.55	18.50
		165	5825	17.93	18.50
	802.11n HT20	149	5745	17.26	18.50
		153	5765	17.47	18.50
		157	5785	17.62	18.50
		161	5805	17.73	18.50
		165	5825	17.62	18.50
	802.11n HT40	151	5755	17.63	18.50
		159	5795	17.82	18.50
	802.11ac VHT20	149	5745	17.45	18.50
		153	5765	17.40	18.50
		157	5785	17.77	18.50
		161	5805	17.59	18.50
		165	5825	17.81	18.50
	802.11ac VHT40	151	5755	17.60	18.50
		159	5795	17.66	18.50
	802.11ac VHT80	155	5775	17.60	18.50
	802.11ax HE20	149	5745	17.64	18.50
		153	5765	17.42	18.50
		157	5785	17.69	18.50
		161	5805	17.75	18.50
		165	5825	18.04	18.50
	802.11ax HE40	151	5755	17.73	18.50
		159	5795	17.90	18.50
	802.11ax HE80	155	5775	17.68	18.50



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WIFI 5G Ant4 Body-worn&Product specific 0mm Simultaneous transmission					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	7.86	9.00
		40	5200	7.93	9.00
		44	5220	7.84	9.00
		48	5240	8.04	9.00
	802.11n HT20	36	5180	8.18	9.50
		40	5200	8.30	9.50
		44	5220	8.53	9.50
		48	5240	8.66	9.50
	802.11n HT40	38	5190	10.32	11.50
		46	5230	10.29	11.50
	802.11ac VHT20	36	5180	8.25	9.50
		40	5200	8.25	9.50
		44	5220	8.40	9.50
		48	5240	8.72	9.50
	802.11ac VHT40	38	5190	10.38	11.50
		46	5230	10.39	11.50
	802.11ac VHT80	42	5210	7.72	8.50
	802.11ax HE20	36	5180	8.26	9.50
		40	5200	8.40	9.50
		44	5220	8.60	9.50
		48	5240	8.80	9.50
	802.11ax HE40	38	5190	10.30	11.50
		46	5230	10.18	11.50
	802.11ax HE80	42	5210	7.69	8.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	8.06	9.00
		56	5280	7.89	9.00
		60	5300	7.92	9.00
		64	5320	8.26	9.00
	802.11n HT20	52	5260	8.62	9.50
		56	5280	8.45	9.50
		60	5300	8.48	9.50
		64	5320	8.46	9.50
	802.11n HT40	54	5270	10.81	11.50
		62	5310	10.54	11.50
		52	5260	8.62	9.50



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	802.11ac VHT20	56	5280	8.53	9.50
		60	5300	8.41	9.50
		64	5320	8.82	9.50
	802.11ac VHT40	54	5270	10.81	11.50
		62	5310	10.14	11.50
	802.11ac VHT80	58	5290	7.12	8.00
	802.11ac VHT160	50	5250	5.88	7.00
	802.11ax HE20	52	5260	8.71	9.50
		56	5280	8.55	9.50
		60	5300	8.53	9.50
		64	5320	8.47	9.50
	802.11ax HE40	54	5270	10.59	11.50
		62	5310	10.50	11.50
	802.11ax HE80	58	5290	7.16	8.00
	802.11ax HE160	50	5250	5.94	7.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	9.00	9.50
		104	5520	9.21	9.50
		108	5540	9.15	9.50
		112	5560	9.38	9.50
		116	5580	9.37	9.50
		120	5600	9.05	9.50
		124	5620	9.13	9.50
		128	5640	9.07	9.50
		132	5660	8.95	9.50
		136	5680	8.88	9.50
		140	5700	8.44	9.50
		144	5720	9.38	9.50
	802.11n HT20	100	5500	10.05	10.50
		104	5520	10.27	10.50
		108	5540	9.87	10.50
		112	5560	9.79	10.50
		116	5580	9.97	10.50
		120	5600	9.69	10.50
		124	5620	9.62	10.50
		128	5640	9.66	10.50
		132	5660	9.98	10.50
		136	5680	9.92	10.50



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		140	5700	9.41	10.50
		144	5720	9.91	10.50
		102	5510	12.28	13.00
		110	5550	12.25	13.00
802.11n HT40		118	5590	12.13	13.00
		126	5630	12.09	13.00
		134	5670	12.27	13.00
		142	5710	12.65	13.00
		100	5500	10.11	10.50
		104	5520	10.26	10.50
		108	5540	9.84	10.50
802.11ac VHT20		112	5560	9.96	10.50
		116	5580	10.03	10.50
		120	5600	9.77	10.50
		124	5620	9.58	10.50
		128	5640	9.62	10.50
		132	5660	9.72	10.50
		136	5680	9.95	10.50
		140	5700	9.60	10.50
		144	5720	9.83	10.50
802.11ac VHT40		102	5510	12.22	13.00
		110	5550	12.30	13.00
		118	5590	11.97	13.00
		126	5630	12.25	13.00
		134	5670	12.37	13.00
		142	5710	12.73	13.00
802.11ac VHT80		106	5530	12.52	13.50
		122	5610	12.41	13.50
		138	5690	12.68	13.50
802.11ax HE20		100	5500	9.98	10.50
		104	5520	10.26	10.50
		108	5540	9.96	10.50
		112	5560	9.72	10.50
		116	5580	9.97	10.50
		120	5600	9.83	10.50
		124	5620	9.80	10.50
		128	5640	9.71	10.50
		132	5660	9.90	10.50
		136	5680	9.87	10.50
		140	5700	9.49	10.50
		144	5720	9.74	10.50
		102	5510	12.16	13.00



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5GHz UNII-3	802.11ax HE40	110	5550	12.29	13.00
		118	5590	12.14	13.00
		126	5630	12.18	13.00
		134	5670	12.23	13.00
		142	5710	12.67	13.00
	802.11ax HE80	106	5530	12.43	13.50
		122	5610	12.21	13.50
		138	5690	12.53	13.50
	802.11ax HE160	114	5570	8.73	9.50
	5GHz	Channel	Frequency(MHz)	Average Power (dBm)	Tune up
	802.11a	149	5745	13.13	14.00
		153	5765	13.21	14.00
		157	5785	12.90	14.00
		161	5805	12.95	14.00
		165	5825	13.53	14.00
	802.11n HT20	149	5745	12.83	14.00
		153	5765	12.85	14.00
		157	5785	13.03	14.00
		161	5805	13.21	14.00
		165	5825	13.22	14.00
	802.11n HT40	151	5755	13.09	14.00
		159	5795	13.29	14.00
	802.11ac VHT20	149	5745	13.00	14.00
		153	5765	13.00	14.00
		157	5785	13.15	14.00
		161	5805	12.97	14.00
		165	5825	13.43	14.00
	802.11ac VHT40	151	5755	13.15	14.00
		159	5795	13.04	14.00
	802.11ac VHT80	155	5775	13.06	14.00
	802.11ax HE20	149	5745	13.21	14.00
		153	5765	12.81	14.00
		157	5785	13.26	14.00
		161	5805	13.26	14.00
		165	5825	13.59	14.00
	802.11ax HE40	151	5755	13.27	14.00
		159	5795	13.27	14.00
	802.11ax HE80	155	5775	13.27	14.00



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WIFI 5G Ant4 Hotspot					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	10.88	12.00
		40	5200	10.84	12.00
		44	5220	10.86	12.00
		48	5240	11.23	12.00
	802.11n HT20	36	5180	11.17	12.50
		40	5200	11.34	12.50
		44	5220	11.29	12.50
		48	5240	11.62	12.50
	802.11n HT40	38	5190	13.47	14.50
		46	5230	13.36	14.50
	802.11ac VHT20	36	5180	11.35	12.50
		40	5200	11.48	12.50
		44	5220	11.58	12.50
		48	5240	11.70	12.50
	802.11ac VHT40	38	5190	13.46	14.50
		46	5230	13.34	14.50
	802.11ac VHT80	42	5210	10.63	11.50
	802.11ax HE20	36	5180	11.25	12.50
		40	5200	11.51	12.50
		44	5220	11.66	12.50
		48	5240	11.85	12.50
	802.11ax HE40	38	5190	13.32	14.50
		46	5230	13.44	14.50
	802.11ax HE80	42	5210	10.70	11.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	16.57	17.50
		56	5280	16.45	17.50
		60	5300	16.65	17.50
		64	5320	16.70	17.50
	802.11n HT20	52	5260	17.16	18.00
		56	5280	17.00	18.00
		60	5300	16.98	18.00
		64	5320	17.12	18.00
	802.11n HT40	54	5270	19.21	20.00
		62	5310	16.32	17.50
		52	5260	17.18	18.00



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	802.11ac VHT20	56	5280	17.01	18.00
		60	5300	17.02	18.00
		64	5320	17.13	18.00
	802.11ac VHT40	54	5270	19.21	20.00
		62	5310	16.30	17.50
	802.11ac VHT80	58	5290	15.63	16.50
	802.11ac VHT160	50	5250	14.40	15.50
	802.11ax HE20	52	5260	17.20	18.00
		56	5280	17.01	18.00
		60	5300	17.01	18.00
		64	5320	17.14	18.00
	802.11ax HE40	54	5270	19.25	20.00
		62	5310	16.35	17.50
	802.11ax HE80	58	5290	15.65	16.50
	802.11ax HE160	50	5250	14.43	15.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	16.53	17.00
		104	5520	16.59	17.00
		108	5540	16.63	17.00
		112	5560	16.69	17.00
		116	5580	16.79	17.00
		120	5600	16.73	17.00
		124	5620	16.65	17.00
		128	5640	16.53	17.00
		132	5660	16.26	17.00
		136	5680	16.34	17.00
		140	5700	15.85	17.00
		144	5720	16.95	17.00
	802.11n HT20	100	5500	17.58	18.00
		104	5520	17.60	18.00
		108	5540	17.35	18.00
		112	5560	17.31	18.00
		116	5580	17.43	18.00
		120	5600	17.28	18.00
		124	5620	17.12	18.00
		128	5640	17.10	18.00
		132	5660	17.34	18.00
		136	5680	17.41	18.00



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		140	5700	17.03	18.00
		144	5720	17.38	18.00
		102	5510	19.80	20.50
		110	5550	19.75	20.50
802.11n HT40		118	5590	19.63	20.50
		126	5630	19.71	20.50
		134	5670	19.84	20.50
		142	5710	20.03	20.50
		100	5500	17.58	18.00
		104	5520	17.61	18.00
		108	5540	17.40	18.00
802.11ac VHT20		112	5560	17.35	18.00
		116	5580	17.41	18.00
		120	5600	17.30	18.00
		124	5620	17.12	18.00
		128	5640	17.10	18.00
		132	5660	17.23	18.00
		136	5680	17.36	18.00
		140	5700	17.08	18.00
		144	5720	17.36	18.00
802.11ac VHT40		102	5510	19.74	20.50
		110	5550	19.71	20.50
		118	5590	19.64	20.50
		126	5630	19.70	20.50
		134	5670	19.82	20.50
		142	5710	20.03	20.50
802.11ac VHT80		106	5530	20.03	21.00
		122	5610	19.71	21.00
		138	5690	20.13	21.00
802.11ax HE20		100	5500	17.61	18.00
		104	5520	17.63	18.00
		108	5540	17.43	18.00
		112	5560	17.39	18.00
		116	5580	17.44	18.00
		120	5600	17.32	18.00
		124	5620	17.16	18.00
		128	5640	17.11	18.00
		132	5660	17.33	18.00
		136	5680	17.45	18.00
		140	5700	17.10	18.00
		144	5720	17.42	18.00
		102	5510	19.82	20.50



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	802.11ax HE40	110	5550	19.79	20.50
		118	5590	19.65	20.50
		126	5630	19.73	20.50
		134	5670	19.86	20.50
		142	5710	20.08	20.50
	802.11ax HE80	106	5530	20.07	21.00
		122	5610	19.75	21.00
		138	5690	20.19	21.00
	802.11ax HE160	114	5570	15.98	17.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	14.52	15.50
		153	5765	14.52	15.50
		157	5785	14.47	15.50
		161	5805	14.62	15.50
		165	5825	15.18	15.50
	802.11n HT20	149	5745	14.32	15.50
		153	5765	14.54	15.50
		157	5785	14.72	15.50
		161	5805	14.68	15.50
		165	5825	14.65	15.50
	802.11n HT40	151	5755	14.81	15.50
		159	5795	14.78	15.50
	802.11ac VHT20	149	5745	14.35	15.50
		153	5765	14.45	15.50
		157	5785	14.75	15.50
		161	5805	14.62	15.50
		165	5825	14.72	15.50
	802.11ac VHT40	151	5755	14.76	15.50
		159	5795	14.75	15.50
	802.11ac VHT80	155	5775	14.63	15.50
	802.11ax HE20	149	5745	14.47	15.50
		153	5765	14.48	15.50
		157	5785	14.78	15.50
		161	5805	14.79	15.50
		165	5825	15.02	15.50
	802.11ax HE40	151	5755	14.83	15.50
		159	5795	14.86	15.50
	802.11ax HE80	155	5775	14.45	15.50



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WIFI 5G Ant5 Head Standalone					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	9.13	10.50
		40	5200	9.28	10.50
		44	5220	9.34	10.50
		48	5240	9.46	10.50
	802.11n HT20	36	5180	9.37	11.00
		40	5200	9.81	11.00
		44	5220	10.14	11.00
		48	5240	9.99	11.00
	802.11n HT40	38	5190	11.65	13.00
		46	5230	11.64	13.00
	802.11ac VHT20	36	5180	9.43	11.00
		40	5200	9.72	11.00
		44	5220	9.96	11.00
		48	5240	10.20	11.00
	802.11ac VHT40	38	5190	11.63	13.00
		46	5230	11.60	13.00
	802.11ac VHT80	42	5210	8.79	10.00
	802.11ax HE20	36	5180	9.41	11.00
		40	5200	9.67	11.00
		44	5220	10.21	11.00
		48	5240	9.98	11.00
	802.11ax HE40	38	5190	11.77	13.00
		46	5230	11.61	13.00
	802.11ax HE80	42	5210	8.96	10.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	9.34	10.00
		56	5280	9.20	10.00
		60	5300	9.31	10.00
		64	5320	9.44	10.00
	802.11n HT20	52	5260	9.92	10.50
		56	5280	9.93	10.50
		60	5300	9.67	10.50
		64	5320	9.95	10.50
	802.11n HT40	54	5270	11.75	12.50
		62	5310	9.17	10.00
		52	5260	9.87	10.50



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	802.11ac VHT20	56	5280	9.83	10.50
		60	5300	9.76	10.50
		64	5320	10.01	10.50
	802.11ac VHT40	54	5270	11.73	12.50
		62	5310	9.11	10.00
	802.11ac VHT80	58	5290	8.39	9.00
	802.11ac VHT160	50	5250	6.58	8.00
	802.11ax HE20	52	5260	9.81	10.50
		56	5280	9.72	10.50
		60	5300	9.87	10.50
		64	5320	9.98	10.50
	802.11ax HE40	54	5270	11.73	12.50
		62	5310	9.18	10.00
	802.11ax HE80	58	5290	8.45	9.00
	802.11ax HE160	50	5250	6.73	8.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	9.88	10.50
		104	5520	9.98	10.50
		108	5540	9.98	10.50
		112	5560	10.19	10.50
		116	5580	10.39	10.50
		120	5600	10.00	10.50
		124	5620	9.78	10.50
		128	5640	9.65	10.50
		132	5660	9.68	10.50
		136	5680	9.43	10.50
		140	5700	8.93	10.50
		144	5720	10.01	10.50
	802.11n HT20	100	5500	10.70	11.50
		104	5520	10.74	11.50
		108	5540	10.75	11.50
		112	5560	10.96	11.50
		116	5580	10.96	11.50
		120	5600	11.03	11.50
		124	5620	10.93	11.50
		128	5640	10.82	11.50
		132	5660	10.51	11.50
		136	5680	10.08	11.50



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		140	5700	9.85	11.50
		144	5720	10.43	11.50
	802.11n HT40	102	5510	13.13	14.00
		110	5550	12.60	14.00
		118	5590	12.84	14.00
		126	5630	12.86	14.00
		134	5670	13.06	14.00
		142	5710	13.10	14.00
		802.11ac VHT20	100	5500	10.72
	104		5520	10.72	11.50
	108		5540	10.69	11.50
	112		5560	10.91	11.50
	116		5580	10.95	11.50
	120		5600	11.01	11.50
	124		5620	10.78	11.50
	128		5640	10.94	11.50
	132		5660	10.39	11.50
	136		5680	10.09	11.50
	140		5700	9.81	11.50
	144		5720	10.66	11.50
	802.11ac VHT40	102	5510	12.85	14.00
		110	5550	12.52	14.00
		118	5590	12.73	14.00
		126	5630	12.85	14.00
		134	5670	12.90	14.00
		142	5710	12.99	14.00
	802.11ac VHT80	106	5530	13.06	14.50
		122	5610	12.99	14.50
		138	5690	13.11	14.50
	802.11ax HE20	100	5500	10.69	11.50
104		5520	10.76	11.50	
108		5540	10.81	11.50	
112		5560	10.85	11.50	
116		5580	11.08	11.50	
120		5600	10.92	11.50	
124		5620	11.06	11.50	
128		5640	10.79	11.50	
132		5660	10.41	11.50	
136		5680	9.94	11.50	
140		5700	9.84	11.50	
144		5720	10.65	11.50	
	102	5510	13.07	14.00	



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	802.11ax HE40	110	5550	12.54	14.00
		118	5590	12.95	14.00
		126	5630	12.85	14.00
		134	5670	12.84	14.00
		142	5710	12.99	14.00
	802.11ax HE80	106	5530	12.99	14.50
		122	5610	13.04	14.50
		138	5690	13.23	14.50
	802.11ax HE160	114	5570	8.88	10.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	12.40	13.50
		153	5765	12.00	13.50
		157	5785	11.84	13.50
		161	5805	12.36	13.50
		165	5825	12.60	13.50
	802.11n HT20	149	5745	12.26	13.50
		153	5765	12.21	13.50
		157	5785	12.31	13.50
		161	5805	12.57	13.50
		165	5825	12.44	13.50
	802.11n HT40	151	5755	12.42	13.50
		159	5795	12.43	13.50
	802.11ac VHT20	149	5745	12.24	13.50
		153	5765	12.46	13.50
		157	5785	12.17	13.50
		161	5805	12.34	13.50
		165	5825	12.44	13.50
	802.11ac VHT40	151	5755	12.05	13.50
		159	5795	12.29	13.50
	802.11ac VHT80	155	5775	12.01	13.50
	802.11ax HE20	149	5745	12.15	13.50
		153	5765	12.30	13.50
		157	5785	12.45	13.50
		161	5805	12.51	13.50
		165	5825	12.40	13.50
	802.11ax HE40	151	5755	12.17	13.50
		159	5795	12.49	13.50
	802.11ax HE80	155	5775	12.18	13.50



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WIFI 5G Ant5 Head Simultaneous transmission					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	5.00	6.50
		40	5200	5.21	6.50
		44	5220	5.34	6.50
		48	5240	5.41	6.50
	802.11n HT20	36	5180	5.31	7.00
		40	5200	5.68	7.00
		44	5220	6.17	7.00
		48	5240	5.96	7.00
	802.11n HT40	38	5190	7.68	9.00
		46	5230	7.74	9.00
	802.11ac VHT20	36	5180	5.56	7.00
		40	5200	5.68	7.00
		44	5220	5.87	7.00
		48	5240	6.27	7.00
	802.11ac VHT40	38	5190	7.61	9.00
		46	5230	7.56	9.00
	802.11ac VHT80	42	5210	4.78	6.00
	802.11ax HE20	36	5180	5.30	7.00
		40	5200	5.64	7.00
		44	5220	6.29	7.00
		48	5240	6.02	7.00
	802.11ax HE40	38	5190	7.71	9.00
		46	5230	7.51	9.00
	802.11ax HE80	42	5210	4.94	6.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	5.35	6.00
		56	5280	5.22	6.00
		60	5300	5.37	6.00
		64	5320	5.53	6.00
	802.11n HT20	52	5260	5.89	6.50
		56	5280	5.83	6.50
		60	5300	5.74	6.50
		64	5320	6.03	6.50
	802.11n HT40	54	5270	7.75	8.50
		62	5310	5.21	6.00
		52	5260	5.92	6.50



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	802.11ac VHT20	56	5280	5.87	6.50
		60	5300	5.89	6.50
		64	5320	6.03	6.50
	802.11ac VHT40	54	5270	7.79	8.50
		62	5310	5.20	6.00
	802.11ac VHT80	58	5290	4.44	5.00
	802.11ac VHT160	50	5250	2.63	4.00
	802.11ax HE20	52	5260	5.86	6.50
		56	5280	5.65	6.50
		60	5300	5.91	6.50
		64	5320	6.10	6.50
	802.11ax HE40	54	5270	7.61	8.50
		62	5310	5.25	6.00
	802.11ax HE80	58	5290	4.51	5.00
	802.11ax HE160	50	5250	2.70	4.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	4.79	5.50
		104	5520	4.90	5.50
		108	5540	5.05	5.50
		112	5560	5.27	5.50
		116	5580	5.50	5.50
		120	5600	4.88	5.50
		124	5620	4.89	5.50
		128	5640	4.63	5.50
		132	5660	4.72	5.50
		136	5680	4.32	5.50
		140	5700	3.84	5.50
		144	5720	4.93	5.50
	802.11n HT20	100	5500	5.58	6.50
		104	5520	5.71	6.50
		108	5540	5.86	6.50
		112	5560	5.95	6.50
		116	5580	6.04	6.50
		120	5600	6.12	6.50
		124	5620	5.98	6.50
		128	5640	5.72	6.50
		132	5660	5.46	6.50
		136	5680	4.95	6.50



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		140	5700	4.94	6.50
		144	5720	5.36	6.50
	802.11n HT40	102	5510	8.02	9.00
		110	5550	7.57	9.00
		118	5590	7.87	9.00
		126	5630	7.88	9.00
		134	5670	7.95	9.00
		142	5710	8.16	9.00
		802.11ac VHT20	100	5500	5.85
	104		5520	5.66	6.50
	108		5540	5.69	6.50
	112		5560	5.95	6.50
	116		5580	6.08	6.50
	120		5600	5.89	6.50
	124		5620	5.70	6.50
	128		5640	6.05	6.50
	132		5660	5.46	6.50
	136		5680	5.02	6.50
	140		5700	4.83	6.50
	144		5720	5.56	6.50
	802.11ac VHT40	102	5510	7.93	9.00
		110	5550	7.54	9.00
		118	5590	7.67	9.00
		126	5630	7.82	9.00
		134	5670	7.84	9.00
		142	5710	7.90	9.00
	802.11ac VHT80	106	5530	7.93	9.50
		122	5610	7.99	9.50
		138	5690	8.23	9.50
	802.11ax HE20	100	5500	5.77	6.50
104		5520	5.68	6.50	
108		5540	5.86	6.50	
112		5560	5.88	6.50	
116		5580	6.00	6.50	
120		5600	5.82	6.50	
124		5620	6.17	6.50	
128		5640	5.76	6.50	
132		5660	5.42	6.50	
136		5680	5.01	6.50	
140		5700	4.74	6.50	
144		5720	5.63	6.50	
	102	5510	8.13	9.00	



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	802.11ax HE40	110	5550	7.67	9.00
		118	5590	7.96	9.00
		126	5630	7.78	9.00
		134	5670	7.79	9.00
		142	5710	7.88	9.00
	802.11ax HE80	106	5530	7.88	9.50
		122	5610	7.92	9.50
		138	5690	8.33	9.50
	802.11ax HE160	114	5570	3.94	5.50
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)
5GHz UNII-3	802.11a	149	5745	8.52	9.50
		153	5765	7.89	9.50
		157	5785	7.72	9.50
		161	5805	8.36	9.50
		165	5825	8.73	9.50
	802.11n HT20	149	5745	8.14	9.50
		153	5765	8.24	9.50
		157	5785	8.36	9.50
		161	5805	8.56	9.50
		165	5825	8.50	9.50
	802.11n HT40	151	5755	8.55	9.50
		159	5795	8.56	9.50
	802.11ac VHT20	149	5745	8.11	9.50
		153	5765	8.44	9.50
		157	5785	8.07	9.50
		161	5805	8.24	9.50
		165	5825	8.42	9.50
	802.11ac VHT40	151	5755	8.09	9.50
		159	5795	8.27	9.50
	802.11ac VHT80	155	5775	8.07	9.50
	802.11ax HE20	149	5745	8.22	9.50
		153	5765	8.34	9.50
		157	5785	8.32	9.50
		161	5805	8.52	9.50
		165	5825	8.47	9.50
	802.11ax HE40	151	5755	8.07	9.50
		159	5795	8.49	9.50
	802.11ax HE80	155	5775	8.21	9.50



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WIFI 5G Ant5 Body-worn&Product specific 0mm Standalone					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	12.48	14.00
		40	5200	12.61	14.00
		44	5220	12.78	14.00
		48	5240	12.96	14.00
	802.11n HT20	36	5180	12.93	14.50
		40	5200	13.26	14.50
		44	5220	13.58	14.50
		48	5240	13.48	14.50
	802.11n HT40	38	5190	15.26	16.50
		46	5230	15.18	16.50
	802.11ac VHT20	36	5180	13.02	14.50
		40	5200	13.11	14.50
		44	5220	13.53	14.50
		48	5240	13.52	14.50
	802.11ac VHT40	38	5190	15.07	16.50
		46	5230	15.25	16.50
	802.11ac VHT80	42	5210	12.34	13.50
	802.11ax HE20	36	5180	12.84	14.50
		40	5200	13.11	14.50
		44	5220	13.48	14.50
		48	5240	13.62	14.50
	802.11ax HE40	38	5190	15.13	16.50
		46	5230	15.06	16.50
	802.11ax HE80	42	5210	12.58	13.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	13.30	14.00
		56	5280	13.36	14.00
		60	5300	13.12	14.00
		64	5320	13.42	14.00
	802.11n HT20	52	5260	13.83	14.50
		56	5280	13.86	14.50
		60	5300	13.78	14.50
		64	5320	14.06	14.50
	802.11n HT40	54	5270	15.86	16.50
		62	5310	13.19	14.00
		52	5260	13.93	14.50



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	802.11ac VHT20	56	5280	13.85	14.50
		60	5300	13.74	14.50
		64	5320	13.79	14.50
	802.11ac VHT40	54	5270	15.80	16.50
		62	5310	13.16	14.00
	802.11ac VHT80	58	5290	12.30	13.00
	802.11ac VHT160	50	5250	10.77	12.00
	802.11ax HE20	52	5260	13.85	14.50
		56	5280	13.81	14.50
		60	5300	13.82	14.50
		64	5320	13.96	14.50
	802.11ax HE40	54	5270	15.87	16.50
		62	5310	13.11	14.00
	802.11ax HE80	58	5290	12.49	13.00
	802.11ax HE160	50	5250	10.76	12.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	13.75	14.50
		104	5520	13.91	14.50
		108	5540	13.98	14.50
		112	5560	14.24	14.50
		116	5580	14.34	14.50
		120	5600	14.16	14.50
		124	5620	13.84	14.50
		128	5640	13.75	14.50
		132	5660	13.56	14.50
		136	5680	13.28	14.50
		140	5700	12.93	14.50
		144	5720	13.98	14.50
	802.11n HT20	100	5500	14.73	15.50
		104	5520	14.73	15.50
		108	5540	14.70	15.50
		112	5560	14.99	15.50
		116	5580	14.97	15.50
		120	5600	14.90	15.50
		124	5620	14.89	15.50
		128	5640	14.81	15.50
		132	5660	14.42	15.50
		136	5680	14.15	15.50



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		140	5700	13.99	15.50
		144	5720	14.44	15.50
	802.11n HT40	102	5510	17.09	18.00
		110	5550	16.44	18.00
		118	5590	16.83	18.00
		126	5630	16.82	18.00
		134	5670	16.90	18.00
		142	5710	16.99	18.00
		802.11ac VHT20	100	5500	14.63
	104		5520	14.90	15.50
	108		5540	14.76	15.50
	112		5560	14.81	15.50
	116		5580	15.03	15.50
	120		5600	14.93	15.50
	124		5620	14.96	15.50
	128		5640	14.74	15.50
	132		5660	14.48	15.50
	136		5680	14.11	15.50
	140		5700	13.95	15.50
	144		5720	14.51	15.50
	802.11ac VHT40	102	5510	16.85	18.00
		110	5550	16.46	18.00
		118	5590	16.75	18.00
		126	5630	16.95	18.00
		134	5670	17.00	18.00
		142	5710	16.93	18.00
	802.11ac VHT80	106	5530	16.90	18.50
		122	5610	16.88	18.50
		138	5690	17.12	18.50
	802.11ax HE20	100	5500	14.82	15.50
		104	5520	14.98	15.50
		108	5540	14.78	15.50
112		5560	15.04	15.50	
116		5580	14.90	15.50	
120		5600	14.99	15.50	
124		5620	15.00	15.50	
128		5640	14.86	15.50	
132		5660	14.39	15.50	
136		5680	13.99	15.50	
140		5700	13.96	15.50	
144		5720	14.62	15.50	
	102	5510	17.09	18.00	



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	802.11ax HE40	110	5550	16.47	18.00
		118	5590	16.92	18.00
		126	5630	16.94	18.00
		134	5670	17.03	18.00
		142	5710	17.22	18.00
	802.11ax HE80	106	5530	16.92	18.50
		122	5610	16.93	18.50
		138	5690	17.09	18.50
	802.11ax HE160	114	5570	12.87	14.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	17.27	18.50
		153	5765	17.01	18.50
		157	5785	17.06	18.50
		161	5805	17.46	18.50
		165	5825	17.58	18.50
	802.11n HT20	149	5745	17.21	18.50
		153	5765	17.18	18.50
		157	5785	17.36	18.50
		161	5805	17.46	18.50
		165	5825	17.43	18.50
	802.11n HT40	151	5755	17.42	18.50
		159	5795	17.39	18.50
	802.11ac VHT20	149	5745	17.30	18.50
		153	5765	17.27	18.50
		157	5785	17.31	18.50
		161	5805	17.37	18.50
		165	5825	17.33	18.50
	802.11ac VHT40	151	5755	17.04	18.50
		159	5795	17.52	18.50
	802.11ac VHT80	155	5775	17.22	18.50
	802.11ax HE20	149	5745	17.30	18.50
		153	5765	17.43	18.50
		157	5785	17.27	18.50
		161	5805	17.45	18.50
		165	5825	17.59	18.50
	802.11ax HE40	151	5755	17.35	18.50
		159	5795	17.39	18.50
	802.11ax HE80	155	5775	17.23	18.50



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WIFI 5G Ant5 Body-worn&Product specific 0mm Simultaneous transmission					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	7.59	9.00
		40	5200	7.58	9.00
		44	5220	7.76	9.00
		48	5240	7.91	9.00
	802.11n HT20	36	5180	8.06	9.50
		40	5200	8.38	9.50
		44	5220	8.56	9.50
		48	5240	8.47	9.50
	802.11n HT40	38	5190	10.22	11.50
		46	5230	10.30	11.50
	802.11ac VHT20	36	5180	7.93	9.50
		40	5200	8.18	9.50
		44	5220	8.58	9.50
		48	5240	8.44	9.50
	802.11ac VHT40	38	5190	9.97	11.50
		46	5230	10.28	11.50
	802.11ac VHT80	42	5210	7.28	8.50
	802.11ax HE20	36	5180	7.85	9.50
		40	5200	8.06	9.50
		44	5220	8.39	9.50
		48	5240	8.64	9.50
	802.11ax HE40	38	5190	10.05	11.50
		46	5230	10.07	11.50
	802.11ax HE80	42	5210	7.59	8.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	8.38	9.00
		56	5280	8.39	9.00
		60	5300	8.21	9.00
		64	5320	8.48	9.00
	802.11n HT20	52	5260	8.90	9.50
		56	5280	8.90	9.50
		60	5300	8.80	9.50
		64	5320	8.95	9.50
	802.11n HT40	54	5270	10.92	11.50
		62	5310	10.79	11.50
		52	5260	8.83	9.50



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	802.11ac VHT20	56	5280	8.89	9.50
		60	5300	8.63	9.50
		64	5320	8.83	9.50
	802.11ac VHT40	54	5270	10.68	11.50
		62	5310	10.59	11.50
	802.11ac VHT80	58	5290	7.26	8.00
	802.11ac VHT160	50	5250	5.73	7.00
	802.11ax HE20	52	5260	8.79	9.50
		56	5280	8.92	9.50
		60	5300	8.81	9.50
		64	5320	8.99	9.50
	802.11ax HE40	54	5270	10.89	11.50
		62	5310	10.62	11.50
	802.11ax HE80	58	5290	7.43	8.00
	802.11ax HE160	50	5250	5.69	7.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	8.67	9.50
		104	5520	8.95	9.50
		108	5540	8.88	9.50
		112	5560	9.34	9.50
		116	5580	9.36	9.50
		120	5600	9.15	9.50
		124	5620	8.88	9.50
		128	5640	8.83	9.50
		132	5660	8.55	9.50
		136	5680	8.40	9.50
		140	5700	8.01	9.50
		144	5720	9.01	9.50
	802.11n HT20	100	5500	9.80	10.50
		104	5520	9.70	10.50
		108	5540	9.80	10.50
		112	5560	9.99	10.50
		116	5580	9.91	10.50
		120	5600	9.86	10.50
		124	5620	9.95	10.50
		128	5640	9.78	10.50
		132	5660	9.54	10.50
		136	5680	9.04	10.50



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		140	5700	8.87	10.50
		144	5720	9.51	10.50
	802.11n HT40	102	5510	12.17	13.00
		110	5550	11.33	13.00
		118	5590	11.93	13.00
		126	5630	11.81	13.00
		134	5670	11.84	13.00
		142	5710	11.93	13.00
	802.11ac VHT20	100	5500	9.55	10.50
		104	5520	9.87	10.50
		108	5540	9.87	10.50
		112	5560	9.93	10.50
		116	5580	10.06	10.50
		120	5600	10.01	10.50
		124	5620	10.04	10.50
		128	5640	9.72	10.50
		132	5660	9.47	10.50
		136	5680	9.04	10.50
		140	5700	8.89	10.50
		144	5720	9.49	10.50
	802.11ac VHT40	102	5510	11.79	13.00
		110	5550	11.57	13.00
		118	5590	11.72	13.00
		126	5630	11.87	13.00
		134	5670	12.12	13.00
		142	5710	11.80	13.00
	802.11ac VHT80	106	5530	12.01	13.50
		122	5610	11.81	13.50
		138	5690	12.04	13.50
	802.11ax HE20	100	5500	9.74	10.50
		104	5520	9.96	10.50
		108	5540	9.83	10.50
		112	5560	9.94	10.50
		116	5580	9.85	10.50
		120	5600	10.06	10.50
		124	5620	9.99	10.50
		128	5640	9.99	10.50
		132	5660	9.34	10.50
		136	5680	9.06	10.50
		140	5700	8.97	10.50
		144	5720	9.59	10.50
		102	5510	11.97	13.00



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	802.11ax HE40	110	5550	11.37	13.00
		118	5590	11.84	13.00
		126	5630	12.07	13.00
		134	5670	11.94	13.00
		142	5710	12.20	13.00
	802.11ax HE80	106	5530	11.83	13.50
		122	5610	11.87	13.50
		138	5690	12.20	13.50
	802.11ax HE160	114	5570	7.83	9.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	12.69	14.00
		153	5765	12.58	14.00
		157	5785	12.67	14.00
		161	5805	12.93	14.00
		165	5825	12.95	14.00
	802.11n HT20	149	5745	12.66	14.00
		153	5765	12.67	14.00
		157	5785	12.77	14.00
		161	5805	12.94	14.00
		165	5825	13.05	14.00
	802.11n HT40	151	5755	12.87	14.00
		159	5795	12.86	14.00
	802.11ac VHT20	149	5745	12.85	14.00
		153	5765	12.82	14.00
		157	5785	12.73	14.00
		161	5805	12.95	14.00
		165	5825	12.79	14.00
	802.11ac VHT40	151	5755	12.58	14.00
		159	5795	12.99	14.00
	802.11ac VHT80	155	5775	12.72	14.00
	802.11ax HE20	149	5745	12.70	14.00
		153	5765	13.02	14.00
		157	5785	12.89	14.00
		161	5805	12.84	14.00
		165	5825	13.18	14.00
	802.11ax HE40	151	5755	12.97	14.00
		159	5795	12.85	14.00
	802.11ax HE80	155	5775	12.77	14.00



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WIFI 5G Ant5 Hotspot					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	10.57	12.00
		40	5200	10.62	12.00
		44	5220	10.77	12.00
		48	5240	11.09	12.00
	802.11n HT20	36	5180	11.00	12.50
		40	5200	11.20	12.50
		44	5220	11.51	12.50
		48	5240	11.48	12.50
	802.11n HT40	38	5190	13.18	14.50
		46	5230	13.26	14.50
	802.11ac VHT20	36	5180	10.88	12.50
		40	5200	11.13	12.50
		44	5220	11.55	12.50
		48	5240	11.52	12.50
	802.11ac VHT40	38	5190	13.06	14.50
		46	5230	13.22	14.50
	802.11ac VHT80	42	5210	10.33	11.50
	802.11ax HE20	36	5180	11.06	12.50
		40	5200	11.33	12.50
		44	5220	11.65	12.50
		48	5240	11.48	12.50
	802.11ax HE40	38	5190	13.28	14.50
		46	5230	13.26	14.50
	802.11ax HE80	42	5210	10.52	11.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	16.75	17.50
		56	5280	16.77	17.50
		60	5300	16.69	17.50
		64	5320	17.02	17.50
	802.11n HT20	52	5260	17.32	18.00
		56	5280	17.30	18.00
		60	5300	17.28	18.00
		64	5320	17.43	18.00
	802.11n HT40	54	5270	19.25	20.00
		62	5310	16.65	17.50
		52	5260	17.32	18.00



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	802.11ac VHT20	56	5280	17.28	18.00
		60	5300	17.21	18.00
		64	5320	17.36	18.00
	802.11ac VHT40	54	5270	19.23	20.00
		62	5310	16.61	17.50
	802.11ac VHT80	58	5290	15.88	16.50
	802.11ac VHT160	50	5250	14.12	15.50
	802.11ax HE20	52	5260	17.36	18.00
		56	5280	17.32	18.00
		60	5300	17.33	18.00
		64	5320	17.49	18.00
	802.11ax HE40	54	5270	19.25	20.00
		62	5310	16.67	17.50
	802.11ax HE80	58	5290	15.94	16.50
	802.11ax HE160	50	5250	14.19	15.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	16.29	17.00
		104	5520	16.34	17.00
		108	5540	16.52	17.00
		112	5560	16.78	17.00
		116	5580	16.84	17.00
		120	5600	16.52	17.00
		124	5620	16.32	17.00
		128	5640	16.21	17.00
		132	5660	16.11	17.00
		136	5680	15.88	17.00
		140	5700	15.32	17.00
		144	5720	16.47	17.00
	802.11n HT20	100	5500	17.22	18.00
		104	5520	17.32	18.00
		108	5540	17.31	18.00
		112	5560	17.41	18.00
		116	5580	17.45	18.00
		120	5600	17.40	18.00
		124	5620	17.35	18.00
		128	5640	17.32	18.00
		132	5660	16.91	18.00
		136	5680	16.50	18.00



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		140	5700	16.41	18.00
		144	5720	17.03	18.00
	802.11n HT40	102	5510	19.49	20.50
		110	5550	19.05	20.50
		118	5590	19.32	20.50
		126	5630	19.34	20.50
		134	5670	19.41	20.50
		142	5710	19.58	20.50
		802.11ac VHT20	100	5500	17.20
	104		5520	17.33	18.00
	108		5540	17.31	18.00
	112		5560	17.41	18.00
	116		5580	17.45	18.00
	120		5600	17.41	18.00
	124		5620	17.35	18.00
	128		5640	17.32	18.00
	132		5660	16.89	18.00
	136		5680	16.51	18.00
	140		5700	16.41	18.00
	144		5720	17.01	18.00
	802.11ac VHT40	102	5510	19.43	20.50
		110	5550	19.01	20.50
		118	5590	19.30	20.50
		126	5630	19.32	20.50
		134	5670	19.37	20.50
		142	5710	19.49	20.50
	802.11ac VHT80	106	5530	19.51	21.00
		122	5610	19.43	21.00
		138	5690	19.61	21.00
	802.11ax HE20	100	5500	17.25	18.00
		104	5520	17.34	18.00
		108	5540	17.36	18.00
112		5560	17.46	18.00	
116		5580	17.50	18.00	
120		5600	17.43	18.00	
124		5620	17.41	18.00	
128		5640	17.36	18.00	
132		5660	16.99	18.00	
136		5680	16.52	18.00	
140		5700	16.43	18.00	
144		5720	17.04	18.00	
	102	5510	19.49	20.50	



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	802.11ax HE40	110	5550	19.05	20.50
		118	5590	19.32	20.50
		126	5630	19.34	20.50
		134	5670	19.41	20.50
		142	5710	19.58	20.50
	802.11ax HE80	106	5530	19.53	21.00
		122	5610	19.49	21.00
		138	5690	19.66	21.00
	802.11ax HE160	114	5570	15.43	17.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	14.30	15.50
		153	5765	14.01	15.50
		157	5785	13.96	15.50
		161	5805	14.29	15.50
		165	5825	14.73	15.50
	802.11n HT20	149	5745	14.25	15.50
		153	5765	14.13	15.50
		157	5785	14.18	15.50
		161	5805	14.53	15.50
		165	5825	14.27	15.50
	802.11n HT40	151	5755	14.33	15.50
		159	5795	14.56	15.50
	802.11ac VHT20	149	5745	14.07	15.50
		153	5765	14.35	15.50
		157	5785	14.26	15.50
		161	5805	14.50	15.50
		165	5825	14.49	15.50
	802.11ac VHT40	151	5755	14.11	15.50
		159	5795	14.39	15.50
	802.11ac VHT80	155	5775	14.15	15.50
	802.11ax HE20	149	5745	14.37	15.50
		153	5765	14.42	15.50
		157	5785	14.36	15.50
		161	5805	14.48	15.50
		165	5825	14.49	15.50
	802.11ax HE40	151	5755	14.32	15.50
		159	5795	14.53	15.50
	802.11ax HE80	155	5775	14.26	15.50



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WIFI 5G MIMO Head Standalone					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	12.28	13.50
		40	5200	12.36	13.50
		44	5220	12.37	13.50
		48	5240	12.50	13.50
	802.11n HT20	36	5180	12.56	14.00
		40	5200	12.89	14.00
		44	5220	12.97	14.00
		48	5240	12.98	14.00
	802.11n HT40	38	5190	14.79	16.00
		46	5230	14.77	16.00
	802.11ac VHT20	36	5180	12.69	14.00
		40	5200	12.87	14.00
		44	5220	12.96	14.00
		48	5240	13.23	14.00
	802.11ac VHT40	38	5190	14.68	16.00
		46	5230	14.67	16.00
	802.11ac VHT80	42	5210	11.96	13.00
	802.11ax HE20	36	5180	12.65	14.00
		40	5200	12.75	14.00
		44	5220	13.10	14.00
		48	5240	13.05	14.00
	802.11ax HE40	38	5190	14.90	16.00
		46	5230	14.77	16.00
	802.11ax HE80	42	5210	12.05	13.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	12.28	13.00
		56	5280	12.16	13.00
		60	5300	12.18	13.00
		64	5320	12.31	13.00
	802.11n HT20	52	5260	12.81	13.50
		56	5280	12.79	13.50
		60	5300	12.60	13.50
		64	5320	12.78	13.50
	802.11n HT40	54	5270	14.81	15.50
		62	5310	12.03	13.00
		52	5260	12.74	13.50



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5GHz UNII-2C	802.11ac VHT20	56	5280	12.72	13.50
		60	5300	12.63	13.50
		64	5320	12.84	13.50
	802.11ac VHT40	54	5270	14.79	15.50
		62	5310	12.04	13.00
	802.11ac VHT80	58	5290	11.34	12.00
	802.11ac VHT160	50	5250	9.83	11.00
	802.11ax HE20	52	5260	12.76	13.50
		56	5280	12.69	13.50
		60	5300	12.72	13.50
		64	5320	12.78	13.50
	802.11ax HE40	54	5270	14.76	15.50
		62	5310	12.07	13.00
	802.11ax HE80	58	5290	11.37	12.00
	802.11ax HE160	50	5250	9.78	11.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	12.92	13.50
		104	5520	13.12	13.50
		108	5540	13.05	13.50
		112	5560	13.25	13.50
		116	5580	13.37	13.50
		120	5600	13.07	13.50
		124	5620	13.04	13.50
		128	5640	12.93	13.50
		132	5660	12.68	13.50
		136	5680	12.60	13.50
		140	5700	12.21	13.50
		144	5720	13.26	13.50
	802.11n HT20	100	5500	13.90	14.50
		104	5520	13.99	14.50
		108	5540	13.79	14.50
		112	5560	13.92	14.50
		116	5580	13.94	14.50
		120	5600	13.92	14.50
		124	5620	13.86	14.50
		128	5640	13.72	14.50
		132	5660	13.64	14.50
		136	5680	13.60	14.50



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		140	5700	13.20	14.50
		144	5720	13.72	14.50
	802.11n HT40	102	5510	16.23	17.00
		110	5550	15.96	17.00
		118	5590	16.00	17.00
		126	5630	16.11	17.00
		134	5670	16.29	17.00
		142	5710	16.32	17.00
	802.11ac VHT20	100	5500	13.96	14.50
		104	5520	13.97	14.50
		108	5540	13.87	14.50
		112	5560	13.94	14.50
		116	5580	13.90	14.50
		120	5600	13.98	14.50
		124	5620	13.76	14.50
		128	5640	13.83	14.50
		132	5660	13.65	14.50
		136	5680	13.55	14.50
		140	5700	13.17	14.50
		144	5720	13.84	14.50
	802.11ac VHT40	102	5510	16.08	17.00
		110	5550	15.92	17.00
		118	5590	15.95	17.00
		126	5630	16.01	17.00
		134	5670	16.20	17.00
		142	5710	16.35	17.00
	802.11ac VHT80	106	5530	16.34	17.50
		122	5610	16.14	17.50
		138	5690	16.37	17.50
	802.11ax HE20	100	5500	13.90	14.50
		104	5520	14.00	14.50
		108	5540	13.82	14.50
		112	5560	13.87	14.50
		116	5580	14.00	14.50
		120	5600	13.87	14.50
		124	5620	13.83	14.50
		128	5640	13.77	14.50
		132	5660	13.67	14.50
		136	5680	13.57	14.50
		140	5700	13.24	14.50
		144	5720	13.76	14.50
		102	5510	16.25	17.00



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	802.11ax HE40	110	5550	15.89	17.00
		118	5590	16.10	17.00
		126	5630	16.04	17.00
		134	5670	16.16	17.00
		142	5710	16.34	17.00
	802.11ax HE80	106	5530	16.26	17.50
		122	5610	16.18	17.50
		138	5690	16.39	17.50
	802.11ax HE160	114	5570	12.25	13.50
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)
5GHz UNII-3	802.11a	149	5745	15.48	16.50
		153	5765	15.28	16.50
		157	5785	15.21	16.50
		161	5805	15.46	16.50
		165	5825	15.87	16.50
	802.11n HT20	149	5745	15.35	16.50
		153	5765	15.38	16.50
		157	5785	15.47	16.50
		161	5805	15.65	16.50
		165	5825	15.57	16.50
	802.11n HT40	151	5755	15.57	16.50
		159	5795	15.71	16.50
	802.11ac VHT20	149	5745	15.37	16.50
		153	5765	15.47	16.50
		157	5785	15.44	16.50
		161	5805	15.54	16.50
		165	5825	15.56	16.50
	802.11ac VHT40	151	5755	15.33	16.50
		159	5795	15.52	16.50
	802.11ac VHT80	155	5775	15.35	16.50
	802.11ax HE20	149	5745	15.35	16.50
		153	5765	15.46	16.50
		157	5785	15.72	16.50
		161	5805	15.59	16.50
		165	5825	15.72	16.50
	802.11ax HE40	151	5755	15.49	16.50
		159	5795	15.76	16.50
	802.11ax HE80	155	5775	15.34	16.50



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WIFI 5G MIMO Head Simultaneous transmission					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	8.17	9.50
		40	5200	8.37	9.50
		44	5220	8.32	9.50
		48	5240	8.46	9.50
	802.11n HT20	36	5180	8.51	10.00
		40	5200	8.88	10.00
		44	5220	8.96	10.00
		48	5240	8.90	10.00
	802.11n HT40	38	5190	10.79	12.00
		46	5230	10.79	12.00
	802.11ac VHT20	36	5180	8.69	10.00
		40	5200	8.86	10.00
		44	5220	8.96	10.00
		48	5240	9.25	10.00
	802.11ac VHT40	38	5190	10.65	12.00
		46	5230	10.61	12.00
	802.11ac VHT80	42	5210	7.96	9.00
	802.11ax HE20	36	5180	8.54	10.00
		40	5200	8.79	10.00
		44	5220	9.12	10.00
		48	5240	9.12	10.00
	802.11ax HE40	38	5190	10.81	12.00
		46	5230	10.73	12.00
	802.11ax HE80	42	5210	8.03	9.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	8.28	9.00
		56	5280	8.19	9.00
		60	5300	8.19	9.00
		64	5320	8.32	9.00
	802.11n HT20	52	5260	8.73	9.50
		56	5280	8.72	9.50
		60	5300	8.58	9.50
		64	5320	8.81	9.50
	802.11n HT40	54	5270	10.86	11.50
		62	5310	8.00	9.00
		52	5260	8.79	9.50



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	802.11ac VHT20	56	5280	8.76	9.50
		60	5300	8.69	9.50
		64	5320	8.89	9.50
	802.11ac VHT40	54	5270	10.76	11.50
		62	5310	8.12	9.00
	802.11ac VHT80	58	5290	7.43	8.00
	802.11ac VHT160	50	5250	5.83	7.00
	802.11ax HE20	52	5260	8.82	9.50
		56	5280	8.67	9.50
		60	5300	8.74	9.50
		64	5320	8.84	9.50
	802.11ax HE40	54	5270	10.67	11.50
		62	5310	8.06	9.00
	802.11ax HE80	58	5290	7.37	8.00
	802.11ax HE160	50	5250	5.79	7.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	7.88	8.50
		104	5520	8.12	8.50
		108	5540	8.10	8.50
		112	5560	8.22	8.50
		116	5580	8.43	8.50
		120	5600	8.04	8.50
		124	5620	8.06	8.50
		128	5640	7.92	8.50
		132	5660	7.73	8.50
		136	5680	7.56	8.50
		140	5700	7.13	8.50
		144	5720	8.19	8.50
	802.11n HT20	100	5500	8.87	9.50
		104	5520	8.92	9.50
		108	5540	8.80	9.50
		112	5560	8.91	9.50
		116	5580	9.02	9.50
		120	5600	8.96	9.50
		124	5620	8.89	9.50
		128	5640	8.61	9.50
		132	5660	8.66	9.50
		136	5680	8.48	9.50



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		140	5700	8.28	9.50
		144	5720	8.70	9.50
	802.11n HT40	102	5510	11.24	12.00
		110	5550	10.98	12.00
		118	5590	10.97	12.00
		126	5630	11.14	12.00
		134	5670	11.22	12.00
		142	5710	11.33	12.00
	802.11ac VHT20	100	5500	9.04	9.50
		104	5520	8.98	9.50
		108	5540	8.93	9.50
		112	5560	8.98	9.50
		116	5580	9.01	9.50
		120	5600	8.98	9.50
		124	5620	8.71	9.50
		128	5640	8.87	9.50
		132	5660	8.63	9.50
		136	5680	8.50	9.50
		140	5700	8.18	9.50
		144	5720	8.83	9.50
	802.11ac VHT40	102	5510	11.16	12.00
		110	5550	10.95	12.00
		118	5590	10.98	12.00
		126	5630	11.04	12.00
		134	5670	11.13	12.00
		142	5710	11.25	12.00
	802.11ac VHT80	106	5530	11.26	12.50
		122	5610	11.15	12.50
		138	5690	11.45	12.50
	802.11ax HE20	100	5500	8.99	9.50
		104	5520	9.00	9.50
		108	5540	8.89	9.50
		112	5560	8.86	9.50
		116	5580	8.93	9.50
		120	5600	8.76	9.50
		124	5620	8.83	9.50
		128	5640	8.70	9.50
		132	5660	8.66	9.50
		136	5680	8.61	9.50
		140	5700	8.14	9.50
		144	5720	8.81	9.50
		102	5510	11.27	12.00



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	802.11ax HE40	110	5550	11.00	12.00
		118	5590	11.14	12.00
		126	5630	11.06	12.00
		134	5670	11.10	12.00
		142	5710	11.35	12.00
	802.11ax HE80	106	5530	11.25	12.50
		122	5610	11.05	12.50
		138	5690	11.39	12.50
	802.11ax HE160	114	5570	7.34	8.50
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)
5GHz UNII-3	802.11a	149	5745	11.52	12.50
		153	5765	11.20	12.50
		157	5785	11.13	12.50
		161	5805	11.48	12.50
		165	5825	11.97	12.50
	802.11n HT20	149	5745	11.33	12.50
		153	5765	11.39	12.50
		157	5785	11.44	12.50
		161	5805	11.59	12.50
		165	5825	11.61	12.50
	802.11n HT40	151	5755	11.69	12.50
		159	5795	11.78	12.50
	802.11ac VHT20	149	5745	11.30	12.50
		153	5765	11.52	12.50
		157	5785	11.44	12.50
		161	5805	11.51	12.50
		165	5825	11.56	12.50
	802.11ac VHT40	151	5755	11.30	12.50
		159	5795	11.52	12.50
	802.11ac VHT80	155	5775	11.44	12.50
	802.11ax HE20	149	5745	11.36	12.50
		153	5765	11.51	12.50
		157	5785	11.60	12.50
		161	5805	11.66	12.50
		165	5825	11.74	12.50
	802.11ax HE40	151	5755	11.49	12.50
		159	5795	11.82	12.50
	802.11ax HE80	155	5775	11.37	12.50



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WIFI 5G MIMO Body-worn&Product specific 0mm Standalone					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	15.66	17.00
		40	5200	15.81	17.00
		44	5220	15.84	17.00
		48	5240	16.01	17.00
	802.11n HT20	36	5180	16.02	17.50
		40	5200	16.36	17.50
		44	5220	16.52	17.50
		48	5240	16.55	17.50
	802.11n HT40	38	5190	18.33	19.50
		46	5230	18.23	19.50
	802.11ac VHT20	36	5180	16.13	17.50
		40	5200	16.20	17.50
		44	5220	16.54	17.50
		48	5240	16.64	17.50
	802.11ac VHT40	38	5190	18.23	19.50
		46	5230	18.29	19.50
	802.11ac VHT80	42	5210	15.51	16.50
	802.11ax HE20	36	5180	16.08	17.50
		40	5200	16.26	17.50
		44	5220	16.56	17.50
		48	5240	16.66	17.50
	802.11ax HE40	38	5190	18.24	19.50
		46	5230	18.15	19.50
	802.11ax HE80	42	5210	15.62	16.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	16.23	17.00
		56	5280	16.18	17.00
		60	5300	16.10	17.00
		64	5320	16.33	17.00
	802.11n HT20	52	5260	16.71	17.50
		56	5280	16.70	17.50
		60	5300	16.65	17.50
		64	5320	16.83	17.50
	802.11n HT40	54	5270	18.80	19.50
		62	5310	16.08	17.00
		52	5260	16.76	17.50



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	802.11ac VHT20	56	5280	16.65	17.50
		60	5300	16.65	17.50
		64	5320	16.79	17.50
	802.11ac VHT40	54	5270	18.76	19.50
		62	5310	15.96	17.00
	802.11ac VHT80	58	5290	15.28	16.00
	802.11ac VHT160	50	5250	13.79	15.00
	802.11ax HE20	52	5260	16.86	17.50
		56	5280	16.75	17.50
		60	5300	16.69	17.50
		64	5320	16.79	17.50
	802.11ax HE40	54	5270	18.79	19.50
		62	5310	16.04	17.00
	802.11ax HE80	58	5290	15.29	16.00
	802.11ax HE160	50	5250	13.84	15.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	16.94	17.50
		104	5520	17.01	17.50
		108	5540	17.07	17.50
		112	5560	17.28	17.50
		116	5580	17.31	17.50
		120	5600	17.18	17.50
		124	5620	17.00	17.50
		128	5640	16.89	17.50
		132	5660	16.75	17.50
		136	5680	16.63	17.50
		140	5700	16.16	17.50
		144	5720	17.22	17.50
	802.11n HT20	100	5500	17.97	18.50
		104	5520	17.97	18.50
		108	5540	17.84	18.50
		112	5560	17.97	18.50
		116	5580	17.95	18.50
		120	5600	17.85	18.50
		124	5620	17.73	18.50
		128	5640	17.71	18.50
		132	5660	17.65	18.50
		136	5680	17.56	18.50



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		140	5700	17.27	18.50
		144	5720	17.65	18.50
	802.11n HT40	102	5510	20.21	21.00
		110	5550	19.86	21.00
		118	5590	20.03	21.00
		126	5630	20.00	21.00
		134	5670	20.17	21.00
		142	5710	20.35	21.00
	802.11ac VHT20	100	5500	17.92	18.50
		104	5520	18.07	18.50
		108	5540	17.85	18.50
		112	5560	17.85	18.50
		116	5580	17.99	18.50
		120	5600	17.92	18.50
		124	5620	17.78	18.50
		128	5640	17.74	18.50
		132	5660	17.67	18.50
		136	5680	17.50	18.50
		140	5700	17.27	18.50
		144	5720	17.69	18.50
	802.11ac VHT40	102	5510	20.01	21.00
		110	5550	19.93	21.00
		118	5590	19.92	21.00
		126	5630	20.14	21.00
		134	5670	20.25	21.00
		142	5710	20.31	21.00
	802.11ac VHT80	106	5530	20.20	21.50
		122	5610	20.12	21.50
		138	5690	20.35	21.50
	802.11ax HE20	100	5500	17.97	18.50
		104	5520	18.12	18.50
		108	5540	17.84	18.50
		112	5560	17.94	18.50
		116	5580	17.96	18.50
		120	5600	17.86	18.50
		124	5620	17.88	18.50
		128	5640	17.76	18.50
		132	5660	17.64	18.50
		136	5680	17.52	18.50
		140	5700	17.28	18.50
		144	5720	17.72	18.50
		102	5510	20.20	21.00



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	802.11ax HE40	110	5550	19.87	21.00
		118	5590	20.06	21.00
		126	5630	20.13	21.00
		134	5670	20.18	21.00
		142	5710	20.40	21.00
	802.11ax HE80	106	5530	20.25	21.50
		122	5610	20.11	21.50
		138	5690	20.38	21.50
	802.11ax HE160	114	5570	16.26	17.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	20.43	21.50
		153	5765	20.32	21.50
		157	5785	20.25	21.50
		161	5805	20.52	21.50
		165	5825	20.77	21.50
	802.11n HT20	149	5745	20.25	21.50
		153	5765	20.34	21.50
		157	5785	20.50	21.50
		161	5805	20.61	21.50
		165	5825	20.54	21.50
	802.11n HT40	151	5755	20.54	21.50
		159	5795	20.62	21.50
	802.11ac VHT20	149	5745	20.39	21.50
		153	5765	20.35	21.50
		157	5785	20.56	21.50
		161	5805	20.49	21.50
		165	5825	20.59	21.50
	802.11ac VHT40	151	5755	20.34	21.50
		159	5795	20.60	21.50
	802.11ac VHT80	155	5775	20.42	21.50
	802.11ax HE20	149	5745	20.48	21.50
		153	5765	20.44	21.50
		157	5785	20.50	21.50
		161	5805	20.61	21.50
		165	5825	20.83	21.50
	802.11ax HE40	151	5755	20.55	21.50
		159	5795	20.66	21.50
	802.11ax HE80	155	5775	20.47	21.50



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WIFI 5G MIMO Body-worn&Product specific 0mm Simultaneous transmission					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	10.74	12.00
		40	5200	10.77	12.00
		44	5220	10.81	12.00
		48	5240	10.99	12.00
	802.11n HT20	36	5180	11.13	12.50
		40	5200	11.35	12.50
		44	5220	11.56	12.50
		48	5240	11.58	12.50
	802.11n HT40	38	5190	13.28	14.50
		46	5230	13.31	14.50
	802.11ac VHT20	36	5180	11.10	12.50
		40	5200	11.23	12.50
		44	5220	11.50	12.50
		48	5240	11.59	12.50
	802.11ac VHT40	38	5190	13.19	14.50
		46	5230	13.35	14.50
	802.11ac VHT80	42	5210	10.52	11.50
	802.11ax HE20	36	5180	11.07	12.50
		40	5200	11.24	12.50
		44	5220	11.51	12.50
		48	5240	11.73	12.50
	802.11ax HE40	38	5190	13.19	14.50
		46	5230	13.14	14.50
	802.11ax HE80	42	5210	10.65	11.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	11.23	12.00
		56	5280	11.16	12.00
		60	5300	11.08	12.00
		64	5320	11.38	12.00
	802.11n HT20	52	5260	11.77	12.50
		56	5280	11.69	12.50
		60	5300	11.65	12.50
		64	5320	11.72	12.50
	802.11n HT40	54	5270	13.88	14.50
		62	5310	13.68	14.50
		52	5260	11.74	12.50



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5GHz UNII-2C	802.11ac VHT20	56	5280	11.72	12.50
		60	5300	11.53	12.50
		64	5320	11.84	12.50
	802.11ac VHT40	54	5270	13.76	14.50
		62	5310	13.38	14.50
	802.11ac VHT80	58	5290	10.20	11.00
	802.11ac VHT160	50	5250	8.82	10.00
	802.11ax HE20	52	5260	11.76	12.50
		56	5280	11.75	12.50
		60	5300	11.68	12.50
		64	5320	11.75	12.50
	802.11ax HE40	54	5270	13.75	14.50
		62	5310	13.57	14.50
	802.11ax HE80	58	5290	10.31	11.00
	802.11ax HE160	50	5250	8.83	10.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	11.85	12.50
		104	5520	12.09	12.50
		108	5540	12.03	12.50
		112	5560	12.37	12.50
		116	5580	12.38	12.50
		120	5600	12.11	12.50
		124	5620	12.02	12.50
		128	5640	11.96	12.50
		132	5660	11.76	12.50
		136	5680	11.66	12.50
		140	5700	11.24	12.50
		144	5720	12.21	12.50
	802.11n HT20	100	5500	12.94	13.50
		104	5520	13.00	13.50
		108	5540	12.85	13.50
		112	5560	12.90	13.50
		116	5580	12.95	13.50
		120	5600	12.79	13.50
		124	5620	12.80	13.50
		128	5640	12.73	13.50
		132	5660	12.78	13.50
		136	5680	12.51	13.50



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		140	5700	12.16	13.50
		144	5720	12.72	13.50
	802.11n HT40	102	5510	15.24	16.00
		110	5550	14.82	16.00
		118	5590	15.04	16.00
		126	5630	14.96	16.00
		134	5670	15.07	16.00
		142	5710	15.32	16.00
	802.11ac VHT20	100	5500	12.85	13.50
		104	5520	13.08	13.50
		108	5540	12.87	13.50
		112	5560	12.96	13.50
		116	5580	13.06	13.50
		120	5600	12.90	13.50
		124	5620	12.83	13.50
		128	5640	12.68	13.50
		132	5660	12.61	13.50
		136	5680	12.53	13.50
		140	5700	12.27	13.50
		144	5720	12.67	13.50
	802.11ac VHT40	102	5510	15.02	16.00
		110	5550	14.96	16.00
		118	5590	14.86	16.00
		126	5630	15.07	16.00
		134	5670	15.26	16.00
		142	5710	15.30	16.00
	802.11ac VHT80	106	5530	15.28	16.50
		122	5610	15.13	16.50
		138	5690	15.38	16.50
	802.11ax HE20	100	5500	12.87	13.50
		104	5520	13.12	13.50
		108	5540	12.91	13.50
		112	5560	12.84	13.50
		116	5580	12.92	13.50
		120	5600	12.96	13.50
		124	5620	12.91	13.50
		128	5640	12.86	13.50
		132	5660	12.64	13.50
		136	5680	12.49	13.50
		140	5700	12.25	13.50
		144	5720	12.68	13.50
		102	5510	15.08	16.00



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	802.11ax HE40	110	5550	14.86	16.00
		118	5590	15.00	16.00
		126	5630	15.14	16.00
		134	5670	15.10	16.00
		142	5710	15.45	16.00
	802.11ax HE80	106	5530	15.15	16.50
		122	5610	15.05	16.50
		138	5690	15.38	16.50
	802.11ax HE160	114	5570	11.31	12.50
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)
5GHz UNII-3	802.11a	149	5745	15.93	17.00
		153	5765	15.92	17.00
		157	5785	15.80	17.00
		161	5805	15.95	17.00
		165	5825	16.26	17.00
	802.11n HT20	149	5745	15.76	17.00
		153	5765	15.77	17.00
		157	5785	15.91	17.00
		161	5805	16.09	17.00
		165	5825	16.15	17.00
	802.11n HT40	151	5755	15.99	17.00
		159	5795	16.09	17.00
	802.11ac VHT20	149	5745	15.94	17.00
		153	5765	15.92	17.00
		157	5785	15.96	17.00
		161	5805	15.97	17.00
		165	5825	16.13	17.00
	802.11ac VHT40	151	5755	15.88	17.00
		159	5795	16.03	17.00
	802.11ac VHT80	155	5775	15.90	17.00
	802.11ax HE20	149	5745	15.97	17.00
		153	5765	15.93	17.00
		157	5785	16.09	17.00
		161	5805	16.07	17.00
		165	5825	16.40	17.00
	802.11ax HE40	151	5755	16.13	17.00
		159	5795	16.08	17.00
	802.11ax HE80	155	5775	16.04	17.00



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WIFI 5G MIMO Hotspot					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	13.74	15.00
		40	5200	13.74	15.00
		44	5220	13.83	15.00
		48	5240	14.17	15.00
	802.11n HT20	36	5180	14.10	15.50
		40	5200	14.28	15.50
		44	5220	14.41	15.50
		48	5240	14.56	15.50
	802.11n HT40	38	5190	16.34	17.50
		46	5230	16.32	17.50
	802.11ac VHT20	36	5180	14.13	15.50
		40	5200	14.32	15.50
		44	5220	14.58	15.50
		48	5240	14.62	15.50
	802.11ac VHT40	38	5190	16.27	17.50
		46	5230	16.29	17.50
	802.11ac VHT80	42	5210	13.49	14.50
	802.11ax HE20	36	5180	14.17	15.50
		40	5200	14.43	15.50
		44	5220	14.67	15.50
		48	5240	14.68	15.50
	802.11ax HE40	38	5190	16.31	17.50
		46	5230	16.36	17.50
	802.11ax HE80	42	5210	13.62	14.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	19.67	20.50
		56	5280	19.62	20.50
		60	5300	19.68	20.50
		64	5320	19.87	20.50
	802.11n HT20	52	5260	20.25	21.00
		56	5280	20.16	21.00
		60	5300	20.14	21.00
		64	5320	20.29	21.00
	802.11n HT40	54	5270	22.24	23.00
		62	5310	19.50	20.50
		52	5260	20.26	21.00



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5GHz UNII-2C	802.11ac VHT20	56	5280	20.16	21.00
		60	5300	20.13	21.00
		64	5320	20.26	21.00
	802.11ac VHT40	54	5270	22.23	23.00
		62	5310	19.47	20.50
	802.11ac VHT80	58	5290	18.77	19.50
	802.11ac VHT160	50	5250	17.27	18.50
	802.11ax HE20	52	5260	20.29	21.00
		56	5280	20.18	21.00
		60	5300	20.18	21.00
		64	5320	20.33	21.00
	802.11ax HE40	54	5270	22.26	23.00
		62	5310	19.52	20.50
	802.11ax HE80	58	5290	18.81	19.50
	802.11ax HE160	50	5250	17.32	18.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	19.42	20.00
		104	5520	19.48	20.00
		108	5540	19.59	20.00
		112	5560	19.75	20.00
		116	5580	19.83	20.00
		120	5600	19.64	20.00
		124	5620	19.50	20.00
		128	5640	19.38	20.00
		132	5660	19.20	20.00
		136	5680	19.13	20.00
		140	5700	18.60	20.00
		144	5720	19.73	20.00
	802.11n HT20	100	5500	20.41	21.00
		104	5520	20.47	21.00
		108	5540	20.34	21.00
		112	5560	20.37	21.00
		116	5580	20.45	21.00
		120	5600	20.35	21.00
		124	5620	20.25	21.00
		128	5640	20.22	21.00
		132	5660	20.14	21.00
		136	5680	19.99	21.00



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		140	5700	19.74	21.00
		144	5720	20.22	21.00
	802.11n HT40	102	5510	22.66	23.50
		110	5550	22.42	23.50
		118	5590	22.49	23.50
		126	5630	22.54	23.50
		134	5670	22.64	23.50
		142	5710	22.82	23.50
	802.11ac VHT20	100	5500	20.40	21.00
		104	5520	20.48	21.00
		108	5540	20.37	21.00
		112	5560	20.39	21.00
		116	5580	20.44	21.00
		120	5600	20.37	21.00
		124	5620	20.25	21.00
		128	5640	20.22	21.00
		132	5660	20.07	21.00
		136	5680	19.97	21.00
		140	5700	19.77	21.00
		144	5720	20.20	21.00
	802.11ac VHT40	102	5510	22.60	23.50
		110	5550	22.38	23.50
		118	5590	22.48	23.50
		126	5630	22.52	23.50
		134	5670	22.61	23.50
		142	5710	22.78	23.50
	802.11ac VHT80	106	5530	22.79	24.00
		122	5610	22.58	24.00
		138	5690	22.89	24.00
	802.11ax HE20	100	5500	20.44	21.00
		104	5520	20.50	21.00
		108	5540	20.41	21.00
		112	5560	20.44	21.00
		116	5580	20.48	21.00
		120	5600	20.39	21.00
		124	5620	20.30	21.00
		128	5640	20.25	21.00
		132	5660	20.17	21.00
		136	5680	20.02	21.00
		140	5700	19.79	21.00
		144	5720	20.24	21.00
		102	5510	22.67	23.50



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	802.11ax HE40	110	5550	22.45	23.50
		118	5590	22.50	23.50
		126	5630	22.55	23.50
		134	5670	22.65	23.50
		142	5710	22.85	23.50
	802.11ax HE80	106	5530	22.82	24.00
		122	5610	22.63	24.00
		138	5690	22.94	24.00
	802.11ax HE160	114	5570	18.72	20.00
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)
5GHz UNII-3	802.11a	149	5745	17.42	18.50
		153	5765	17.28	18.50
		157	5785	17.23	18.50
		161	5805	17.47	18.50
		165	5825	17.97	18.50
	802.11n HT20	149	5745	17.30	18.50
		153	5765	17.35	18.50
		157	5785	17.47	18.50
		161	5805	17.62	18.50
		165	5825	17.47	18.50
	802.11n HT40	151	5755	17.59	18.50
		159	5795	17.68	18.50
	802.11ac VHT20	149	5745	17.22	18.50
		153	5765	17.41	18.50
		157	5785	17.52	18.50
		161	5805	17.57	18.50
		165	5825	17.62	18.50
	802.11ac VHT40	151	5755	17.46	18.50
		159	5795	17.58	18.50
	802.11ac VHT80	155	5775	17.41	18.50
	802.11ax HE20	149	5745	17.43	18.50
		153	5765	17.46	18.50
		157	5785	17.59	18.50
		161	5805	17.65	18.50
		165	5825	17.77	18.50
	802.11ax HE40	151	5755	17.59	18.50
		159	5795	17.71	18.50
	802.11ax HE80	155	5775	17.37	18.50



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7.3 Conducted Power of 6E WIFI

WIFI 6E Ant4 Head Standalone						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	3.76	4.5
		45	6175		3.43	4.5
		93	6415		3.30	4.5
	802.11ax HEW20	1	5955	MCS0	3.47	4
		45	6175		2.96	4
		93	6415		2.95	4
	802.11ax HEW40	3	5965	MCS0	6.39	6.5
		43	6165		5.59	6.5
		91	6405		5.69	6.5
	802.11ax HEW80	7	5985	MCS0	10.67	11
		39	6145		10.02	11
		87	6385		9.58	11
	802.11ax HEW160	15	6025	MCS0	12.50	14
		47	6185		13.39	14
		79	6345		13.12	14
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	2.42	3.5
		105	6475		2.07	3.5
		113	6515		2.52	3.5
	802.11ax HEW20	97	6435	MCS0	2.42	3.5
		105	6475		2.49	3.5
		113	6515		2.69	3.5
	802.11ax HEW40	99	6445	MCS0	5.89	6.5
		107	6485		5.45	6.5
	802.11ax HEW80	103	6465	MCS0	9.26	10.5
		119	6545		9.59	10.5
	802.11ax HEW160	111	6505	MCS0	12.68	13.5
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	2.71	3
		149	6695		1.13	3
		181	6855		2.36	3
	802.11ax HEW20	117	6535	MCS0	2.57	3
		149	6695		1.94	3
		181	6855		2.32	3
	802.11ax HEW40	115	6525	MCS0	5.90	6.5
		147	6685		4.83	6.5
		179	6845		5.76	6.5
	802.11ax HEW80	135	6625	MCS0	9.19	10.5
		151	6705		9.96	10.5



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U-NII-8 7.0GHz	802.11ax HEW160	167	6785	MCS0	10.10	10.5
		143	6665		12.41	14
		175	6825		13.02	14
	802.11a	185	6875	6Mbps	3.12	4.5
		209	6995		3.36	4.5
		233	7115		3.25	4.5
	802.11ax HEW20	185	6875	MCS0	3.05	4.5
		209	6995		3.83	4.5
		233	7115		-5.44	-4.5
	802.11ax HEW40	187	6885	MCS0	6.12	6.5
		227	7085		7.76	8
	802.11ax HEW80	183	6865	MCS0	9.93	10
		199	6945		11.58	12.5
		215	7025		11.52	12.5
	802.11ax HEW160	207	6985	MCS0	14.36	15.5

WIFI 6E Ant4 Head Simultaneous transmission						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	3.76	4.5
		45	6175		3.43	4.5
		93	6415		3.30	4.5
	802.11ax HEW20	1	5955	MCS0	3.47	4
		45	6175		2.96	4
		93	6415		2.95	4
	802.11ax HEW40	3	5965	MCS0	6.39	6.5
		43	6165		5.59	6.5
		91	6405		5.69	6.5
	802.11ax HEW80	7	5985	MCS0	10.67	11
		39	6145		10.02	11
		87	6385		9.58	11
	802.11ax HEW160	15	6025	MCS0	10.44	12
		47	6185		11.33	12
		79	6345		11.18	12
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	2.42	3.5
		105	6475		2.07	3.5
		113	6515		2.52	3.5
	802.11ax HEW20	97	6435	MCS0	2.42	3.5
		105	6475		2.49	3.5
		113	6515		2.69	3.5
		99	6445	MCS0	5.89	6.5



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	802.11ax HEW40	107	6485	MCS0	5.45	6.5
	802.11ax HEW80	103	6465		9.26	10.5
		119	6545		9.59	10.5
	802.11ax HEW160	111	6505	MCS0	10.28	11
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	2.71	3
		149	6695		1.13	3
		181	6855		2.36	3
	802.11ax HEW20	117	6535	MCS0	2.57	3
		149	6695		1.94	3
		181	6855		2.32	3
	802.11ax HEW40	115	6525	MCS0	5.90	6.5
		147	6685		4.83	6.5
		179	6845		5.76	6.5
	802.11ax HEW80	135	6625	MCS0	9.19	10.5
		151	6705		9.96	10.5
		167	6785		10.10	10.5
	802.11ax HEW160	143	6665	MCS0	11.33	13
		175	6825		11.93	13
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	3.12	4.5
		209	6995		3.36	4.5
		233	7115		3.25	4.5
	802.11ax HEW20	185	6875	MCS0	3.05	4.5
		209	6995		3.83	4.5
		233	7115		-5.44	-4.5
	802.11ax HEW40	187	6885	MCS0	6.12	6.5
		227	7085		7.76	8
	802.11ax HEW80	183	6865	MCS0	9.93	10
		199	6945		11.58	12.5
		215	7025		11.52	12.5
	802.11ax HEW160	207	6985	MCS0	12.30	13.5

WIFI 6E Ant4 Body-worn&Product specific 0mm Standalone						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	3.76	4.5
		45	6175		3.43	4.5
		93	6415		3.30	4.5
	802.11ax HEW20	1	5955	MCS0	3.47	4
		45	6175		2.96	4
		93	6415		2.95	4



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	802.11ax HEW40	3	5965	MCS0	6.39	6.5
		43	6165		5.59	6.5
		91	6405		5.69	6.5
	802.11ax HEW80	7	5985	MCS0	10.67	11
		39	6145		10.02	11
		87	6385		9.58	11
	802.11ax HEW160	15	6025	MCS0	11.00	12.5
		47	6185		11.89	12.5
		79	6345		11.62	12.5
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	2.42	3.5
		105	6475		2.07	3.5
		113	6515		2.52	3.5
	802.11ax HEW20	97	6435	MCS0	2.42	3.5
		105	6475		2.49	3.5
		113	6515		2.69	3.5
	802.11ax HEW40	99	6445	MCS0	5.89	6.5
		107	6485		5.45	6.5
	802.11ax HEW80	103	6465	MCS0	9.26	10.5
		119	6545		9.59	10.5
	802.11ax HEW160	111	6505	MCS0	12.68	13.5
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	2.71	3
		149	6695		1.13	3
		181	6855		2.36	3
	802.11ax HEW20	117	6535	MCS0	2.57	3
		149	6695		1.94	3
		181	6855		2.32	3
	802.11ax HEW40	115	6525	MCS0	5.90	6.5
		147	6685		4.83	6.5
		179	6845		5.76	6.5
	802.11ax HEW80	135	6625	MCS0	9.19	10.5
		151	6705		9.96	10.5
		167	6785		10.10	10.5
	802.11ax HEW160	143	6665	MCS0	12.41	14
		175	6825		13.02	14
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	3.12	4.5
		209	6995		3.36	4.5
		233	7115		3.25	4.5
	802.11ax HEW20	185	6875	MCS0	3.05	4.5
		209	6995		3.83	4.5
		233	7115		-5.44	-4.5
		187	6885	MCS0	6.12	6.5



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	802.11ax HEW40	227	7085	MCS0	7.76	8
	802.11ax HEW80	183	6865		9.93	10
		199	6945		10.58	11.5
		215	7025		10.52	11.5
	802.11ax HEW160	207	6985	MCS0	10.51	11.5

WIFI 6E Ant4 Body-worn&Product specific 0mm Simultaneous transmission						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	3.76	4.5
		45	6175		3.43	4.5
		93	6415		3.30	4.5
	802.11ax HEW20	1	5955	MCS0	3.47	4
		45	6175		2.96	4
		93	6415		2.95	4
	802.11ax HEW40	3	5965	MCS0	6.39	6.5
		43	6165		5.59	6.5
		91	6405		5.69	6.5
	802.11ax HEW80	7	5985	MCS0	10.67	11
		39	6145		10.02	11
		87	6385		9.58	11
	802.11ax HEW160	15	6025	MCS0	10.48	12
		47	6185		11.27	12
		79	6345		11.25	12
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	2.42	3.5
		105	6475		2.07	3.5
		113	6515		2.52	3.5
	802.11ax HEW20	97	6435	MCS0	2.42	3.5
		105	6475		2.49	3.5
		113	6515		2.69	3.5
	802.11ax HEW40	99	6445	MCS0	5.89	6.5
		107	6485		5.45	6.5
	802.11ax HEW80	103	6465	MCS0	9.26	10.5
		119	6545		9.59	10.5
	802.11ax HEW160	111	6505	MCS0	10.29	11
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	2.71	3
		149	6695		1.13	3
		181	6855		2.36	3
	802.11ax HEW20	117	6535	MCS0	2.57	3
		149	6695		1.94	3



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	802.11ax HEW40	181	6855	MCS0	2.32	3
		115	6525		5.90	6.5
		147	6685		4.83	6.5
		179	6845		5.76	6.5
	802.11ax HEW80	135	6625	MCS0	9.19	10.5
		151	6705		9.96	10.5
		167	6785		10.10	10.5
	802.11ax HEW160	143	6665	MCS0	9.36	11
		175	6825		10.10	11
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	3.12	4.5
		209	6995		3.36	4.5
		233	7115		3.25	4.5
	802.11ax HEW20	185	6875	MCS0	3.05	4.5
		209	6995		3.83	4.5
		233	7115		-5.44	-4.5
	802.11ax HEW40	187	6885	MCS0	6.12	6.5
		227	7085		7.76	8
	802.11ax HEW80	183	6865	MCS0	9.93	10
		199	6945		10.58	11.5
		215	7025		10.52	11.5
	802.11ax HEW160	207	6985	MCS0	10.51	11.5

WIFI 6E Ant5 Head Standalone						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	3.43	4.5
		45	6175		2.62	4.5
		93	6415		3.50	4.5
	802.11ax HEW20	1	5955	MCS0	3.05	4
		45	6175		2.22	4
		93	6415		3.13	4
	802.11ax HEW40	3	5965	MCS0	5.88	6.5
		43	6165		4.96	6.5
		91	6405		6.38	6.5
	802.11ax HEW80	7	5985	MCS0	10.71	11
		39	6145		9.51	11
		87	6385		10.30	11
	802.11ax HEW160	15	6025	MCS0	12.39	14
		47	6185		13.29	14
		79	6345		13.90	14
	802.11a	97	6435	6Mbps	2.66	3.5



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U-NII-6 6.5GHz		105	6475		2.57	3.5
		113	6515		2.30	3.5
		97	6435		2.68	3.5
	802.11ax HEW20	105	6475	MCS0	3.10	3.5
		113	6515		2.55	3.5
		99	6445		6.20	6.5
	802.11ax HEW40	107	6485	MCS0	6.11	6.5
		103	6465		9.95	10.5
	802.11ax HEW80	119	6545	MCS0	9.70	10.5
		111	6505		12.75	13.5
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	2.31	3
		149	6695		2.00	3
		181	6855		2.56	3
	802.11ax HEW20	117	6535	MCS0	2.46	3
		149	6695		2.37	3
		181	6855		2.51	3
	802.11ax HEW40	115	6525	MCS0	6.02	6.5
		147	6685		6.02	6.5
		179	6845		5.86	6.5
	802.11ax HEW80	135	6625	MCS0	10.18	10.5
		151	6705		9.94	10.5
		167	6785		9.92	10.5
	802.11ax HEW160	143	6665	MCS0	13.46	14
		175	6825		13.18	14
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	2.89	4.5
		209	6995		3.32	4.5
		233	7115		2.82	4.5
	802.11ax HEW20	185	6875	MCS0	2.92	4.5
		209	6995		3.82	4.5
		233	7115		-5.55	-4.5
	802.11ax HEW40	187	6885	MCS0	5.10	6.5
		227	7085		7.31	8
	802.11ax HEW80	183	6865	MCS0	8.92	10
		199	6945		11.21	12.5
		215	7025		11.18	12.5
	802.11ax HEW160	207	6985	MCS0	14.76	15.5



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WIFI 6E Ant5 Head Simultaneous transmission						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	3.43	4.5
		45	6175		2.62	4.5
		93	6415		3.50	4.5
	802.11ax HEW20	1	5955	MCS0	3.05	4
		45	6175		2.22	4
		93	6415		3.13	4
	802.11ax HEW40	3	5965	MCS0	5.88	6.5
		43	6165		4.96	6.5
		91	6405		6.38	6.5
	802.11ax HEW80	7	5985	MCS0	10.71	11
		39	6145		9.51	11
		87	6385		10.30	11
	802.11ax HEW160	15	6025	MCS0	10.29	12
		47	6185		11.31	12
		79	6345		11.89	12
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	2.66	3.5
		105	6475		2.57	3.5
		113	6515		2.30	3.5
	802.11ax HEW20	97	6435	MCS0	2.68	3.5
		105	6475		3.10	3.5
		113	6515		2.55	3.5
	802.11ax HEW40	99	6445	MCS0	6.20	6.5
		107	6485		6.11	6.5
	802.11ax HEW80	103	6465	MCS0	9.95	10.5
		119	6545		9.70	10.5
	802.11ax HEW160	111	6505	MCS0	10.38	11
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	2.31	3
		149	6695		2.00	3
		181	6855		2.56	3
	802.11ax HEW20	117	6535	MCS0	2.46	3
		149	6695		2.37	3
		181	6855		2.51	3
	802.11ax HEW40	115	6525	MCS0	6.02	6.5
		147	6685		6.02	6.5
		179	6845		5.86	6.5
	802.11ax HEW80	135	6625	MCS0	10.18	10.5
		151	6705		9.94	10.5
		167	6785		9.92	10.5



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U-NII-8 7.0GHz	802.11ax HEW160	143	6665	MCS0	12.33	13
		175	6825		12.12	13
	802.11a	185	6875	6Mbps	2.89	4.5
		209	6995		3.32	4.5
		233	7115		2.82	4.5
	802.11ax HEW20	185	6875	MCS0	2.92	4.5
		209	6995		3.82	4.5
		233	7115		-5.55	-4.5
	802.11ax HEW40	187	6885	MCS0	5.10	6.5
		227	7085		7.31	8
	802.11ax HEW80	183	6865	MCS0	8.92	10
		199	6945		11.21	12.5
		215	7025		11.18	12.5
	802.11ax HEW160	207	6985	MCS0	12.87	13.5

WIFI 6E Ant5 Body-worn&Product specific 0mm Standalone						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	3.43	4.5
		45	6175		2.62	4.5
		93	6415		3.50	4.5
	802.11ax HEW20	1	5955	MCS0	3.05	4
		45	6175		2.22	4
		93	6415		3.13	4
	802.11ax HEW40	3	5965	MCS0	5.88	6.5
		43	6165		4.96	6.5
		91	6405		6.38	6.5
	802.11ax HEW80	7	5985	MCS0	10.71	11
		39	6145		9.51	11
		87	6385		10.30	11
	802.11ax HEW160	15	6025	MCS0	10.89	12.5
		47	6185		11.79	12.5
		79	6345		12.40	12.5
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	2.66	3.5
		105	6475		2.57	3.5
		113	6515		2.30	3.5
	802.11ax HEW20	97	6435	MCS0	2.68	3.5
		105	6475		3.10	3.5
		113	6515		2.55	3.5
	802.11ax HEW40	99	6445	MCS0	6.20	6.5
		107	6485		6.11	6.5



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	802.11ax HEW80	103	6465	MCS0	9.95	10.5
		119	6545		9.70	10.5
	802.11ax HEW160	111	6505	MCS0	12.75	13.5
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	2.31	3
		149	6695		2.00	3
		181	6855		2.56	3
	802.11ax HEW20	117	6535	MCS0	2.46	3
		149	6695		2.37	3
		181	6855		2.51	3
	802.11ax HEW40	115	6525	MCS0	6.02	6.5
		147	6685		6.02	6.5
		179	6845		5.86	6.5
	802.11ax HEW80	135	6625	MCS0	10.18	10.5
		151	6705		9.94	10.5
		167	6785		9.92	10.5
	802.11ax HEW160	143	6665	MCS0	13.46	14
		175	6825		13.18	14
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	2.89	4.5
		209	6995		3.32	4.5
		233	7115		2.82	4.5
	802.11ax HEW20	185	6875	MCS0	2.92	4.5
		209	6995		3.82	4.5
		233	7115		-5.55	-4.5
	802.11ax HEW40	187	6885	MCS0	5.10	6.5
		227	7085		7.31	8
	802.11ax HEW80	183	6865	MCS0	8.92	10
		199	6945		10.21	11.5
		215	7025		10.18	11.5
	802.11ax HEW160	207	6985	MCS0	10.72	11.5

WIFI 6E Ant5 Body-worn&Product specific 0mm Simultaneous transmission						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	3.43	4.5
		45	6175		2.62	4.5
		93	6415		3.50	4.5
	802.11ax HEW20	1	5955	MCS0	3.05	4
		45	6175		2.22	4
		93	6415		3.13	4
	802.11ax HEW40	3	5965	MCS0	5.88	6.5
		43	6165		4.96	6.5



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		91	6405	MCS0	6.38	6.5
		7	5985		10.71	11
		39	6145		9.51	11
		87	6385		10.30	11
		15	6025		10.27	12
		47	6185		11.16	12
		79	6345		11.89	12
		97	6435		2.66	3.5
		105	6475		2.57	3.5
		113	6515		2.30	3.5
U-NII-6 6.5GHz	802.11a	97	6435	MCS0	2.68	3.5
		105	6475		3.10	3.5
		113	6515		2.55	3.5
		99	6445		6.20	6.5
		107	6485		6.11	6.5
		103	6465		9.95	10.5
		119	6545		9.70	10.5
		111	6505		10.30	11
		117	6535		2.31	3
		149	6695		2.00	3
U-NII-7 6.7GHz	802.11a	181	6855	MCS0	2.56	3
		117	6535		2.46	3
		149	6695		2.37	3
		181	6855		2.51	3
		115	6525		6.02	6.5
		147	6685		6.02	6.5
		179	6845		5.86	6.5
		135	6625		10.18	10.5
		151	6705		9.94	10.5
		167	6785		9.92	10.5
U-NII-8 7.0GHz	802.11a	143	6665	MCS0	10.56	11
		175	6825		10.11	11
		185	6875		2.89	4.5
		209	6995		3.32	4.5
		233	7115		2.82	4.5
		185	6875		2.92	4.5
		209	6995		3.82	4.5
		233	7115		-5.55	-4.5
		187	6885		5.10	6.5
		227	7085		7.31	8
U-NII-8 7.0GHz	802.11a	183	6865	MCS0	8.92	10
		185	6875		2.89	4.5
		209	6995		3.32	4.5
		233	7115		2.82	4.5
		185	6875		2.92	4.5
		209	6995		3.82	4.5
		233	7115		-5.55	-4.5
		187	6885		5.10	6.5
		227	7085		7.31	8
		183	6865		8.92	10



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	802.11ax HEW80	199	6945		10.21	11.5
		215	7025		10.18	11.5
	802.11ax HEW160	207	6985	MCS0	10.72	11.5

WIFI 6E MIMO Head Standalone						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	6.61	7.50
		45	6175		6.05	7.50
		93	6415		6.41	7.50
	802.11ax HEW20	1	5955	MCS0	6.28	7.00
		45	6175		5.62	7.00
		93	6415		6.05	7.00
	802.11ax HEW40	3	5965	MCS0	9.15	9.50
		43	6165		8.30	9.50
		91	6405		9.06	9.50
	802.11ax HEW80	7	5985	MCS0	13.70	14.00
		39	6145		12.78	14.00
		87	6385		12.97	14.00
	802.11ax HEW160	15	6025	MCS0	15.46	17.00
		47	6185		16.35	17.00
		79	6345		16.54	17.00
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	5.55	6.50
		105	6475		5.34	6.50
		113	6515		5.42	6.50
	802.11ax HEW20	97	6435	MCS0	5.56	6.50
		105	6475		5.82	6.50
		113	6515		5.63	6.50
	802.11ax HEW40	99	6445	MCS0	9.06	9.50
		107	6485		8.80	9.50
	802.11ax HEW80	103	6465	MCS0	12.63	13.50
		119	6545		12.66	13.50
	802.11ax HEW160	111	6505	MCS0	15.73	16.50
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	5.52	6.00
		149	6695		4.60	6.00
		181	6855		5.47	6.00
	802.11ax HEW20	117	6535	MCS0	5.53	6.00
		149	6695		5.17	6.00
		181	6855		5.43	6.00
	802.11ax HEW40	115	6525	MCS0	8.97	9.50
		147	6685		8.48	9.50



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	802.11ax HEW80	179	6845	MCS0	8.82	9.50
		135	6625		12.72	13.50
		151	6705		12.96	13.50
		167	6785		13.02	13.50
	802.11ax HEW160	143	6665	MCS0	15.98	17.00
		175	6825		16.11	17.00
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	6.02	7.50
		209	6995		6.35	7.50
		233	7115		6.05	7.50
	802.11ax HEW20	185	6875	MCS0	6.00	7.50
		209	6995		6.84	7.50
		233	7115		-2.48	-1.50
	802.11ax HEW40	187	6885	MCS0	8.65	9.50
		227	7085		10.55	11.00
	802.11ax HEW80	183	6865	MCS0	12.46	13.00
		199	6945		14.41	15.50
		215	7025		14.36	15.50
	802.11ax HEW160	207	6985	MCS0	17.57	18.50

WIFI 6E MIMO Head Simultaneous transmission						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	6.61	7.50
		45	6175		6.05	7.50
		93	6415		6.41	7.50
	802.11ax HEW20	1	5955	MCS0	6.28	7.00
		45	6175		5.62	7.00
		93	6415		6.05	7.00
	802.11ax HEW40	3	5965	MCS0	9.15	9.50
		43	6165		8.30	9.50
		91	6405		9.06	9.50
	802.11ax HEW80	7	5985	MCS0	13.70	14.00
		39	6145		12.78	14.00
		87	6385		12.97	14.00
	802.11ax HEW160	15	6025	MCS0	13.38	15.00
		47	6185		14.33	15.00
		79	6345		14.56	15.00
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	5.55	6.50
		105	6475		5.34	6.50
		113	6515		5.42	6.50
		97	6435	MCS0	5.56	6.50



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	802.11ax HEW20	105	6475		5.82	6.50
		113	6515		5.63	6.50
	802.11ax HEW40	99	6445	MCS0	9.06	9.50
		107	6485		8.80	9.50
	802.11ax HEW80	103	6465	MCS0	12.63	13.50
		119	6545		12.66	13.50
	802.11ax HEW160	111	6505	MCS0	13.34	14.00
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	5.52	6.00
		149	6695		4.60	6.00
		181	6855		5.47	6.00
	802.11ax HEW20	117	6535	MCS0	5.53	6.00
		149	6695		5.17	6.00
		181	6855		5.43	6.00
	802.11ax HEW40	115	6525	MCS0	8.97	9.50
		147	6685		8.48	9.50
		179	6845		8.82	9.50
	802.11ax HEW80	135	6625	MCS0	12.72	13.50
		151	6705		12.96	13.50
		167	6785		13.02	13.50
	802.11ax HEW160	143	6665	MCS0	14.87	16.00
		175	6825		15.04	16.00
	802.11a	185	6875	6Mbps	6.02	7.50
		209	6995		6.35	7.50
		233	7115		6.05	7.50
U-NII-8 7.0GHz	802.11ax HEW20	185	6875	MCS0	6.00	7.50
		209	6995		6.84	7.50
		233	7115		-2.48	-1.50
	802.11ax HEW40	187	6885	MCS0	8.65	9.50
		227	7085		10.55	11.00
	802.11ax HEW80	183	6865	MCS0	12.46	13.00
		199	6945		14.41	15.50
		215	7025		14.36	15.50
	802.11ax HEW160	207	6985	MCS0	15.60	16.50

WIFI 6E MIMO Body-worn&Product specific 0mm Standalone						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	6.61	7.5
		45	6175		6.05	7.5
		93	6415		6.41	7.5
		1	5955	MCS0	6.28	7



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	802.11ax HEW20	45	6175		5.62	7
		93	6415		6.05	7
	802.11ax HEW40	3	5965	MCS0	9.15	9.5
		43	6165		8.30	9.5
		91	6405		9.06	9.5
	802.11ax HEW80	7	5985	MCS0	13.70	14
		39	6145		12.78	14
		87	6385		12.97	14
	802.11ax HEW160	15	6025	MCS0	13.96	15.5
		47	6185		14.85	15.5
		79	6345		15.04	15.5
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	5.55	6.5
		105	6475		5.34	6.5
		113	6515		5.42	6.5
	802.11ax HEW20	97	6435	MCS0	5.56	6.5
		105	6475		5.82	6.5
		113	6515		5.63	6.5
	802.11ax HEW40	99	6445	MCS0	9.06	9.5
		107	6485		8.80	9.5
	802.11ax HEW80	103	6465	MCS0	12.63	13.5
		119	6545		12.66	13.5
	802.11ax HEW160	111	6505	MCS0	15.73	16.5
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	5.52	6
		149	6695		4.60	6
		181	6855		5.47	6
	802.11ax HEW20	117	6535	MCS0	5.53	6
		149	6695		5.17	6
		181	6855		5.43	6
	802.11ax HEW40	115	6525	MCS0	8.97	9.5
		147	6685		8.48	9.5
		179	6845		8.82	9.5
	802.11ax HEW80	135	6625	MCS0	12.72	13.5
		151	6705		12.96	13.5
		167	6785		13.02	13.5
	802.11ax HEW160	143	6665	MCS0	15.98	17
		175	6825		16.11	17
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	6.02	7.5
		209	6995		6.35	7.5
		233	7115		6.05	7.5
	802.11ax HEW20	185	6875	MCS0	6.00	7.5
		209	6995		6.84	7.5



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		233	7115		-2.48	-1.5
	802.11ax HEW40	187	6885	MCS0	8.65	9.5
		227	7085		10.55	11
	802.11ax HEW80	183	6865	MCS0	12.46	13
		199	6945		13.41	14.5
		215	7025		13.36	14.5
	802.11ax HEW160	207	6985	MCS0	13.63	14.5

WIFI 6E MIMO Body-worn&Product specific 0mm Simultaneous transmission						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Average Power (dBm)	Tune up
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	6.61	7.5
		45	6175		6.05	7.5
		93	6415		6.41	7.5
	802.11ax HEW20	1	5955	MCS0	6.28	7
		45	6175		5.62	7
		93	6415		6.05	7
	802.11ax HEW40	3	5965	MCS0	9.15	9.5
		43	6165		8.30	9.5
		91	6405		9.06	9.5
	802.11ax HEW80	7	5985	MCS0	13.70	14
		39	6145		12.78	14
		87	6385		12.97	14
	802.11ax HEW160	15	6025	MCS0	13.39	15
		47	6185		14.23	15
		79	6345		14.59	15
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	5.55	6.5
		105	6475		5.34	6.5
		113	6515		5.42	6.5
	802.11ax HEW20	97	6435	MCS0	5.56	6.5
		105	6475		5.82	6.5
		113	6515		5.63	6.5
	802.11ax HEW40	99	6445	MCS0	9.06	9.5
		107	6485		8.80	9.5
	802.11ax HEW80	103	6465	MCS0	12.63	13.5
		119	6545		12.66	13.5
	802.11ax HEW160	111	6505	MCS0	13.31	14
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	5.52	6
		149	6695		4.60	6
		181	6855		5.47	6
		117	6535	MCS0	5.53	6



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	802.11ax HEW20	149	6695		5.17	6
		181	6855		5.43	6
	802.11ax HEW40	115	6525	MCS0	8.97	9.5
		147	6685		8.48	9.5
		179	6845		8.82	9.5
	802.11ax HEW80	135	6625	MCS0	12.72	13.5
		151	6705		12.96	13.5
		167	6785		13.02	13.5
	802.11ax HEW160	143	6665	MCS0	13.01	14
		175	6825		13.12	14
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	6.02	7.5
		209	6995		6.35	7.5
		233	7115		6.05	7.5
	802.11ax HEW20	185	6875	MCS0	6.00	7.5
		209	6995		6.84	7.5
		233	7115		-2.48	-1.5
	802.11ax HEW40	187	6885	MCS0	8.65	9.5
		227	7085		10.55	11
	802.11ax HEW80	183	6865	MCS0	12.46	13
		199	6945		13.41	14.5
		215	7025		13.36	14.5
	802.11ax HEW160	207	6985	MCS0	13.63	14.5

7.4 Conducted Power of Bluetooth

BT Ant4		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	11.14	12.17	11.47	12.50
	π/4DQPSK	8.94	9.43	9.05	10.00
	8DPSK	9.20	9.76	9.39	10.00
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	5.97	6.51	5.97	7.00
BLE 2M	GFSK	5.99	6.65	5.90	7.00

- End of the Appendix -



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