N77 Ant.4 PC3&PC2 ECI3_Receiver on				Conducted Power(dBm)			
SCS 15kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500	/	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.37	/	17.50
		1	135	/	16.45	/	17.50
		1	268	/	16.54	/	17.50
		135	0	/	16.50	/	17.50
		135	68	/	16.49	/	17.50
		135	135	/	16.24	/	17.50
		270	0	/	16.54	/	17.50
	DFT-s-OFDM QPSK	1	1	/	16.59	/	17.50
		1	135	/	16.49	/	17.50
		1	268	/	16.42	/	17.50
		135	0	/	16.42	/	17.50
		135	68	/	16.50	/	17.50
		135	135	/	16.45	/	17.50
		270	0	/	16.24	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	16.48	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	16.47	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	16.57	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	CP-OFDM QPSK	1	1	/	16.34	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	16.47	16.59	16.54	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	16.29	16.40	16.55	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	16.35	16.24	16.27	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	16.30	16.41	16.53	17.50

N77 Ant.4 PC3&PC2 ECI4_Hotspot on				Conducted Power(dBm)			
SCS 15kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500	/	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	21.33	/	22.50
		1	135	/	21.64	/	22.50
		1	268	/	21.48	/	22.50
		135	0	/	21.38	/	22.50
		135	68	/	21.58	/	22.50
		135	135	/	21.62	/	22.50
		270	0	/	21.40	/	22.50
	DFT-s-OFDM QPSK	1	1	/	21.54	/	22.50
		1	135	/	21.58	/	22.50
		1	268	/	21.40	/	22.50
		135	0	/	21.53	/	22.50
		135	68	/	21.55	/	22.50
		135	135	/	21.44	/	22.50
		270	0	/	21.40	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.46	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	21.11	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.76	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	CP-OFDM QPSK	1	1	/	21.51	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	21.37	21.35	21.43	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.22	21.50	21.41	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	21.46	21.57	21.47	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	21.35	21.51	21.42	22.50

N77 Ant.4 PC3&PC2 ECI1_Sensor on				Conducted Power(dBm)			
SCS 15kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500	/	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.45	/	20.50
		1	135	/	19.64	/	20.50
		1	268	/	19.61	/	20.50
		135	0	/	19.46	/	20.50
		135	68	/	19.45	/	20.50
		135	135	/	19.45	/	20.50
		270	0	/	19.60	/	20.50
	DFT-s-OFDM QPSK	1	1	/	19.64	/	20.50
		1	135	/	19.35	/	20.50
		1	268	/	19.34	/	20.50
		135	0	/	19.49	/	20.50
		135	68	/	19.32	/	20.50
		135	135	/	19.36	/	20.50
		270	0	/	19.36	/	20.50
	DFT-s-OFDM 16QAM	1	1	/	19.50	/	20.50
	DFT-s-OFDM 64QAM	1	1	/	19.40	/	20.50
	DFT-s-OFDM 256QAM	1	1	/	19.07	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	CP-OFDM QPSK	1	1	/	19.45	/	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	19.26	19.61	19.50	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	19.47	19.40	19.51	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	19.33	19.44	19.40	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	19.38	19.50	19.43	20.50

4.12 Conducted Power of 5G NR n77(3700-3980)

N77 PC3 Ant.4 Full power				Conducted Power(dBm)			
SCS 30kHz(3700~3980)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
				3750	3840	3930	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.37	23.44	23.38	24.50
		1	137	23.51	23.45	23.50	24.50
		1	271	23.41	23.42	23.37	24.50
		135	0	23.03	22.98	22.86	23.50
		135	69	23.39	23.37	23.43	24.50
		135	138	22.90	22.93	22.88	23.50
		270	0	22.94	22.98	23.02	23.50
	DFT-s-OFDM QPSK	1	1	23.47	23.65	23.52	24.50
		1	137	23.40	23.54	23.33	24.50
		1	271	23.39	23.40	23.43	24.50
		135	0	22.57	22.48	22.59	23.50
		135	69	23.51	23.56	23.46	24.50
		135	138	22.46	22.45	22.57	23.50
		270	0	22.56	22.59	22.54	23.50
	DFT-s-OFDM 16QAM	1	1	22.12	22.16	22.15	23.00
	DFT-s-OFDM 64QAM	1	1	20.80	20.75	20.73	22.00
	DFT-s-OFDM 256QAM	1	1	19.32	19.37	19.37	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
100MHz	CP-OFDM QPSK	1	1	22.07	21.94	22.18	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	656000	662332	
90MHz	DFT-s-OFDM QPSK	1	1	23.36	23.23	23.34	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	23.45	23.33	23.28	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	656000	663332	
60MHz	DFT-s-OFDM QPSK	1	1	23.41	23.31	23.36	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	DFT-s-OFDM QPSK	1	1	23.40	23.31	23.28	24.50

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	23.39	23.25	23.29	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	656000	664666	
20MHz	DFT-s-OFDM QPSK	1	1	23.42	23.28	23.38	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647168	656000	664832	
15MHz	DFT-s-OFDM QPSK	1	1	23.41	23.26	23.32	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	656000	665000	
10MHz	DFT-s-OFDM QPSK	1	1	23.36	23.23	23.31	24.50

N77 PC2 Ant.4 Full power				Conducted Power(dBm)			
SCS 30kHz(3700~3980)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
				3750	3840	3930	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	26.21	26.16	26.23	27.50
		1	137	26.37	26.29	26.33	27.50
		1	271	26.28	26.17	26.21	27.50
		135	0	25.84	25.69	25.71	26.50
		135	69	26.20	26.16	26.18	27.50
		135	138	25.77	25.76	25.76	26.50
		270	0	25.72	25.75	25.80	26.50
	DFT-s-OFDM QPSK	1	1	26.35	26.47	26.45	27.50
		1	137	26.26	26.33	26.18	27.50
		1	271	26.18	26.09	26.19	27.50
		135	0	25.43	25.34	25.37	26.50
		135	69	26.26	26.43	26.25	27.50
		135	138	25.31	25.24	25.34	26.50
		270	0	25.41	25.33	25.25	26.50
	DFT-s-OFDM 16QAM	1	1	24.90	24.98	24.96	26.00
	DFT-s-OFDM 64QAM	1	1	23.54	23.62	23.63	25.00
	DFT-s-OFDM 256QAM	1	1	22.13	22.18	22.27	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
100MHz	CP-OFDM QPSK	1	1	24.85	24.79	24.92	26.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	656000	662332	
90MHz	DFT-s-OFDM QPSK	1	1	26.19	26.15	26.13	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	26.20	26.02	26.12	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	656000	663332	
60MHz	DFT-s-OFDM QPSK	1	1	26.26	26.14	26.15	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	DFT-s-OFDM QPSK	1	1	26.14	26.13	26.21	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	26.15	26.13	26.10	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	656000	664666	
20MHz	DFT-s-OFDM QPSK	1	1	26.27	26.05	26.21	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647168	656000	664832	
15MHz	DFT-s-OFDM QPSK	1	1	26.19	26.07	26.18	27.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	656000	665000	
10MHz	DFT-s-OFDM QPSK	1	1	26.16	26.04	26.12	27.50

N77 Ant.4 PC3&PC2 ECI3_Receiver on				Conducted Power(dBm)			
SCS 30kHz(3700~3980)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
				3750	3840	3930	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.15	17.24	17.03	18.00
		1	137	17.20	17.25	17.06	18.00
		1	271	17.14	17.13	17.06	18.00
		135	0	17.05	17.11	17.10	18.00
		135	69	17.10	17.10	17.02	18.00
		135	138	17.11	17.08	17.03	18.00
		270	0	17.19	17.18	17.07	18.00
	DFT-s-OFDM	1	1	17.21	17.26	17.17	18.00

	QPSK	1	137	17.11	17.12	16.98	18.00
		1	271	17.09	17.15	17.12	18.00
		135	0	17.05	17.18	17.06	18.00
		135	69	17.08	17.16	17.11	18.00
		135	138	17.03	17.14	17.08	18.00
		270	0	17.05	17.13	17.08	18.00
	DFT-s-OFDM 16QAM	1	1	17.20	17.25	17.03	18.00
	DFT-s-OFDM 64QAM	1	1	17.10	17.15	17.07	18.00
	DFT-s-OFDM 256QAM	1	1	17.13	17.24	17.14	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
100MHz	CP-OFDM QPSK	1	1	17.05	17.11	17.10	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	656000	662332	
90MHz	DFT-s-OFDM QPSK	1	1	17.08	17.25	17.10	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	17.16	17.08	17.14	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	656000	663332	
60MHz	DFT-s-OFDM QPSK	1	1	17.18	17.26	17.06	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	DFT-s-OFDM QPSK	1	1	17.14	17.09	17.04	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	17.04	17.22	16.98	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	656000	664666	
20MHz	DFT-s-OFDM QPSK	1	1	17.14	17.22	17.04	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647168	656000	664832	
15MHz	DFT-s-OFDM QPSK	1	1	17.10	17.18	17.00	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	656000	665000	
10MHz	DFT-s-OFDM QPSK	1	1	17.08	17.13	16.97	18.00

N77 PC2 Ant.4 Full power				Conducted Power(dBm)			
SCS 15kHz(3700~3980)							
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 656000	Channel 662000	Tune up
				3750	3840	3930	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	25.96	26.11	25.97	27.50
		1	135	26.09	25.99	26.15	27.50
		1	268	26.21	26.11	25.91	27.50
		135	0	25.56	25.55	25.45	26.50
		135	68	26.15	25.99	26.12	27.50
		135	135	25.53	25.55	25.55	26.50
		270	0	25.51	25.52	25.53	26.50
	DFT-s-OFDM QPSK	1	1	26.11	26.32	26.23	27.50
		1	135	26.15	26.07	26.10	27.50
		1	268	25.89	25.87	25.98	27.50
		135	0	25.15	25.26	25.16	26.50
		135	68	26.10	26.19	26.15	27.50
		135	135	25.10	25.09	25.15	26.50
		270	0	25.17	25.20	25.09	26.50
	DFT-s-OFDM 16QAM	1	1	24.70	24.78	24.68	26.00
	DFT-s-OFDM 64QAM	1	1	23.37	23.47	23.48	25.00
	DFT-s-OFDM 256QAM	1	1	21.92	22.10	22.17	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 656000	Channel 662000	Tune up
50MHz	CP-OFDM QPSK	1	1	24.66	24.72	24.66	26.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	25.88	25.91	25.96	27.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	26.03	25.81	25.98	27.50
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	25.92	25.83	26.05	27.50
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	26.01	25.87	26.04	27.50

N77 PC3 Ant.4 Full power				Conducted Power(dBm)			
SCS 15kHz(3700~3980)							
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 656000	Channel 662000	Tune up
				3750	3840	3930	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.27	23.38	23.15	24.50
		1	135	23.45	23.35	23.43	24.50
		1	268	23.21	23.32	23.08	24.50
		135	0	22.76	22.81	22.76	23.50
		135	68	23.21	23.15	23.27	24.50
		135	135	22.70	22.82	22.63	23.50
		270	0	22.77	22.86	22.90	23.50
	DFT-s-OFDM QPSK	1	1	23.18	23.45	23.44	24.50
		1	135	23.21	23.26	23.12	24.50
		1	268	23.17	23.26	23.17	24.50
		135	0	22.36	22.32	22.43	23.50
		135	68	23.25	23.29	23.36	24.50
		135	135	22.23	22.22	22.47	23.50
		270	0	22.35	22.33	22.45	23.50
	DFT-s-OFDM 16QAM	1	1	22.00	21.94	22.08	23.00
	DFT-s-OFDM 64QAM	1	1	20.60	20.67	20.50	22.00
	DFT-s-OFDM 256QAM	1	1	19.13	19.21	19.07	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 656000	Channel 662000	Tune up
50MHz	CP-OFDM QPSK	1	1	22.01	21.79	22.05	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	23.26	23.11	23.19	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	23.24	23.11	23.31	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	23.28	23.07	23.08	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	23.20	23.01	23.19	24.50

N77 Ant.4 PC3&PC2 ECI3_Receiver on				Conducted Power(dBm)			
SCS 15kHz(3700~3980)							
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 656000	Channel 662000	Tune up
				3750	3840	3930	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.91	17.19	16.83	18.00
		1	135	17.12	17.00	17.01	18.00
		1	268	17.05	16.87	16.87	18.00
		135	0	16.89	17.05	17.03	18.00
		135	68	16.90	16.94	16.86	18.00
		135	135	17.02	17.01	16.83	18.00
		270	0	16.97	16.89	16.80	18.00
	DFT-s-OFDM QPSK	1	1	17.03	17.19	17.01	18.00
		1	135	17.02	16.87	16.68	18.00
		1	268	16.99	17.10	16.89	18.00
		135	0	16.86	16.94	16.94	18.00
		135	68	16.81	16.92	17.06	18.00
		135	135	16.98	16.91	16.92	18.00
		270	0	16.80	16.99	16.80	18.00
	DFT-s-OFDM 16QAM	1	1	16.93	17.00	16.77	18.00
	DFT-s-OFDM 64QAM	1	1	17.04	16.93	16.96	18.00
	DFT-s-OFDM 256QAM	1	1	17.05	17.06	17.03	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 656000	Channel 662000	Tune up
50MHz	CP-OFDM QPSK	1	1	16.99	17.06	16.85	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	16.80	16.94	16.82	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	16.98	17.08	16.78	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	17.04	17.01	16.73	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	16.86	17.01	16.89	18.00

5 Conducted Power of WIFI

5.1 Conducted Power of WIFI2.4G

WIFI 2.4G Ant.5				Full power	
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	19.88	21.00
	6	2437		20.52	21.00
	11	2462		20.48	21.00
802.11g	1	2412	6	18.86	20.00
	6	2437		19.16	20.00
	11	2462		19.06	20.00
802.11n HT20	1	2412	6.5	17.98	19.00
	6	2437		18.21	19.00
	11	2462		18.16	19.00
802.11n HT40	3	2422	6.5	17.32	18.00
	6	2437		17.49	18.00
	9	2452		17.51	18.00

WIFI 2.4G Ant.5				Receiver on_ECI3	
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	9.89	11.50
	6	2437		10.59	11.50
	11	2462		10.43	11.50
802.11g	1	2412	6	9.29	11.50
	6	2437		9.91	11.50
	11	2462		9.76	11.50
802.11n HT20	1	2412	6.5	9.23	11.50
	6	2437		10.00	11.50
	11	2462		9.79	11.50
802.11n HT40	3	2422	6.5	9.25	11.50
	6	2437		9.94	11.50
	9	2452		9.75	11.50

WIFI 2.4G Ant.5				Hotspot on_ECI4	
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	15.25	16.50
	6	2437		15.88	16.50
	11	2462		15.62	16.50
802.11g	1	2412	6	14.64	16.50
	6	2437		15.29	16.50
	11	2462		14.96	16.50
802.11n HT20	1	2412	6.5	14.68	16.50
	6	2437		15.25	16.50
	11	2462		14.97	16.50
802.11n HT40	3	2422	6.5	14.56	16.50
	6	2437		15.30	16.50
	9	2452		15.00	16.50

5.2 Conducted Power of WIFI5G

WIFI 5G Ant.5					Full power	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	18.77	20.50
		40	5200		18.97	20.50
		44	5220		18.96	20.50
		48	5240		18.99	20.50
	U-NII-2A	52	5260		19.03	20.50
		56	5280		19.01	20.50
		60	5300		19.04	20.50
		64	5320		19.06	20.50
	U-NII-2C	100	5500		19.21	20.00
		104	5520		19.18	20.00
		108	5540		19.16	20.00
		112	5560		19.18	20.00
		116	5580		19.20	20.00
		120	5600		18.98	20.00
		124	5620		18.97	20.00
		128	5640		18.74	20.00
		132	5660		18.72	20.00
		136	5680		18.71	20.00
		140	5700		18.52	20.00
	U-NII-3	149	5745		18.87	20.50
		153	5765		18.91	20.50
		157	5785		18.99	20.50
		161	5805		18.67	20.50
		165	5825		18.84	20.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	17.62	20.00
		40	5200		17.97	20.00
		44	5220		17.94	20.00
		48	5240		18.09	20.00
	U-NII-2A	52	5260		18.01	20.00
		56	5280		18.03	20.00
		60	5300		18.06	20.00
		64	5320		17.98	20.00
	U-NII-2C	100	5500		18.06	19.00
		104	5520		18.01	19.00
		108	5540		18.03	19.00
		112	5560		18.06	19.00

		116	5580		18.00	19.00
		120	5600		17.98	19.00
		124	5620		17.88	19.00
		128	5640		17.93	19.00
		132	5660		17.64	19.00
		136	5680		17.69	19.00
		140	5700		17.61	19.00
	U-NII-3	149	5745		17.79	20.00
		153	5765		17.81	20.00
		157	5785		17.65	20.00
		161	5805		17.88	20.00
		165	5825		17.93	20.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	17.91	20.00
		46	5230		17.94	20.00
	U-NII-2A	54	5270		17.79	20.00
		62	5310		17.74	20.00
	U-NII-2C	102	5510		17.85	19.00
		110	5550		18.09	19.00
		118	5590		17.77	19.00
		126	5630		17.64	19.00
		134	5670		17.45	19.00
	U-NII-3	151	5755		17.98	20.00
		159	5795		17.81	20.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	17.69	20.00
		40	5200		17.88	20.00
		44	5220		17.84	20.00
		48	5240		17.88	20.00
	U-NII-2A	52	5260		17.91	20.00
		56	5280		17.89	20.00
		60	5300		17.93	20.00
		64	5320		17.92	20.00
	U-NII-2C	100	5500		18.01	19.00
		104	5520		18.00	19.00
		108	5540		17.98	19.00
		112	5560		17.87	19.00
		116	5580		17.94	19.00
		120	5600		17.90	19.00
		124	5620		17.93	19.00

		128	5640		17.88	19.00
		132	5660		17.61	19.00
		136	5680		17.65	19.00
		140	5700		17.60	19.00
	U-NII-3	149	5745		17.73	20.00
		153	5765		17.80	20.00
		157	5785		17.63	20.00
		161	5805		17.82	20.00
		165	5825		17.90	20.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-40	U-NII-1	38	5190	MCS0	16.94	19.00
		46	5230		16.90	19.00
	U-NII-2A	54	5270		16.74	19.00
		62	5310		16.75	19.00
	U-NII-2C	102	5510		16.88	18.00
		110	5550		17.03	18.00
		118	5590		16.81	18.00
		126	5630		16.66	18.00
		134	5670		16.49	18.00
	U-NII-3	151	5755		16.99	19.00
		159	5795		16.83	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	16.45	18.50
	U-NII-2A	58	5290		16.46	18.50
	U-NII-2C	106	5530		16.53	17.50
		122	5610		16.49	17.50
	U-NII-3	155	5775		16.54	18.50

WIFI 5G Ant.5					Receiver on_ECI3	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	13.84	15.00
		40	5200		14.04	15.00
		44	5220		14.00	15.00
		48	5240		14.03	15.00
	U-NII-2A	52	5260		14.10	15.00
		56	5280		14.07	15.00
		60	5300		14.12	15.00
		64	5320		14.18	15.00
	U-NII-2C	100	5500		15.08	15.50
		104	5520		15.00	15.50
		108	5540		15.01	15.50
		112	5560		15.07	15.50
		116	5580		15.05	15.50
		120	5600		14.82	15.50
		124	5620		14.85	15.50
		128	5640		14.56	15.50
		132	5660		14.62	15.50
		136	5680		14.53	15.50
		140	5700		14.41	15.50
	U-NII-3	149	5745		15.01	16.00
		153	5765		15.03	16.00
		157	5785		15.06	16.00
		161	5805		14.87	16.00
		165	5825		14.98	16.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	12.43	14.50
		40	5200		12.88	14.50
		44	5220		12.77	14.50
		48	5240		13.02	14.50
	U-NII-2A	52	5260		12.94	14.50
		56	5280		12.94	14.50
		60	5300		13.01	14.50
		64	5320		12.93	14.50
	U-NII-2C	100	5500		13.93	14.50
		104	5520		13.87	14.50
		108	5540		13.86	14.50
		112	5560		13.90	14.50
		116	5580		13.91	14.50

		120	5600		13.83	14.50
		124	5620		13.80	14.50
		128	5640		13.79	14.50
		132	5660		13.54	14.50
		136	5680		13.59	14.50
		140	5700		13.49	14.50
	U-NII-3	149	5745		13.71	15.50
		153	5765		13.66	15.50
		157	5785		13.57	15.50
		161	5805		13.72	15.50
		165	5825		13.77	15.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	12.77	14.50
		46	5230		12.89	14.50
	U-NII-2A	54	5270		12.65	14.50
		62	5310		12.58	14.50
	U-NII-2C	102	5510		13.88	14.50
		110	5550		13.96	14.50
		118	5590		13.63	14.50
		126	5630		13.49	14.50
		134	5670		13.26	14.50
	U-NII-3	151	5755		13.86	15.50
		159	5795		17.81	15.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	12.53	14.50
		40	5200		12.80	14.50
		44	5220		12.70	14.50
		48	5240		12.82	14.50
	U-NII-2A	52	5260		12.84	14.50
		56	5280		12.70	14.50
		60	5300		12.86	14.50
		64	5320		12.83	14.50
	U-NII-2C	100	5500		13.81	14.50
		104	5520		13.85	14.50
		108	5540		13.78	14.50
		112	5560		13.67	14.50
		116	5580		13.85	14.50
		120	5600		13.75	14.50
		124	5620		13.82	14.50
		128	5640		13.82	14.50

		132	5660		13.44	14.50
		136	5680		13.50	14.50
		140	5700		13.40	14.50
	U-NII-3	149	5745		13.66	15.50
		153	5765		13.72	15.50
		157	5785		13.44	15.50
		161	5805		13.74	15.50
		165	5825		13.74	15.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-40	U-NII-1	38	5190	MCS0	11.77	13.50
		46	5230		11.85	13.50
	U-NII-2A	54	5270		11.67	13.50
		62	5310		11.59	13.50
	U-NII-2C	102	5510		12.81	13.50
		110	5550		12.93	13.50
		118	5590		12.69	13.50
		126	5630		12.58	13.50
		134	5670		12.37	13.50
	U-NII-3	151	5755		12.91	14.50
		159	5795		12.66	14.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	11.30	13.00
	U-NII-2A	58	5290		11.27	13.00
	U-NII-2C	106	5530		12.43	13.00
		122	5610		12.35	13.00
	U-NII-3	155	5775		12.45	14.00

WIFI 5G Ant.5					Hotspot on_ECI4	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	11.49	12.50
		40	5200		11.63	12.50
		44	5220		11.66	12.50
		48	5240		11.73	12.50
	U-NII-2A	52	5260			
		56	5280			
		60	5300			
		64	5320			
	U-NII-2C	100	5500			
		104	5520			
		108	5540			
		112	5560			
		116	5580			
		120	5600			
		124	5620			
		128	5640			
		132	5660			
		136	5680			
		140	5700			
	U-NII-3	149	5745		11.57	12.50
		153	5765		11.53	12.50
		157	5785		11.68	12.50
		161	5805		11.55	12.50
		165	5825		11.51	12.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	10.20	12.00
		40	5200		10.51	12.00
		44	5220		10.56	12.00
		48	5240		10.64	12.00
	U-NII-2A	52	5260			
		56	5280			
		60	5300			
		64	5320			
	U-NII-2C	100	5500			
		104	5520			
		108	5540			
		112	5560			
		116	5580			

		120	5600			
		124	5620			
		128	5640			
		132	5660			
		136	5680			
		140	5700			
	U-NII-3	149	5745		10.41	12.00
		153	5765		10.37	12.00
		157	5785		10.22	12.00
		161	5805		10.51	12.00
		165	5825		10.49	12.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	10.52	12.00
		46	5230		10.54	12.00
	U-NII-2A	54	5270			
		62	5310			
	U-NII-2C	102	5510			
		110	5550			
		118	5590			
		126	5630			
		134	5670			
	U-NII-3	151	5755		10.61	12.00
		159	5795		10.43	12.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	10.21	12.00
		40	5200		10.48	12.00
		44	5220		10.44	12.00
		48	5240		10.49	12.00
	U-NII-2A	52	5260			
		56	5280			
		60	5300			
		64	5320			
	U-NII-2C	100	5500			
		104	5520			
		108	5540			
		112	5560			
		116	5580			
		120	5600			
		124	5620			
		128	5640			

		132	5660			
		136	5680			
		140	5700			
	U-NII-3	149	5745		10.25	12.00
		153	5765		10.42	12.00
		157	5785		10.17	12.00
		161	5805		10.34	12.00
		165	5825		10.53	12.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-40	U-NII-1	38	5190	MCS0	9.49	11.00
		46	5230		9.40	11.00
	U-NII-2A	54	5270			
		62	5310			
	U-NII-2C	102	5510			
		110	5550			
		118	5590			
		126	5630			
		134	5670			
	U-NII-3	151	5755		9.54	11.00
		159	5795		9.46	11.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	8.97	10.50
	U-NII-2A	58	5290			
	U-NII-2C	106	5530			
		122	5610			
	U-NII-3	155	5775		9.11	10.50

WIFI 5G Ant.5					Sensor on_ECI1	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	12.93	14.00
		40	5200		13.09	14.00
		44	5220		13.15	14.00
		48	5240		13.11	14.00
	U-NII-2A	52	5260		13.15	14.00
		56	5280		13.15	14.00
		60	5300		13.24	14.00
		64	5320		13.27	14.00
	U-NII-2C	100	5500		12.86	13.50
		104	5520		12.71	13.50
		108	5540		12.68	13.50
		112	5560		12.74	13.50
		116	5580		12.66	13.50
		120	5600		12.59	13.50
		124	5620		12.62	13.50
		128	5640		12.81	13.50
		132	5660		12.73	13.50
		136	5680		12.61	13.50
		140	5700		12.64	13.50
	U-NII-3	149	5745		13.43	14.50
		153	5765		13.46	14.50
		157	5785		13.59	14.50
		161	5805		13.28	14.50
		165	5825		13.34	14.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	12.09	14.00
		40	5200		12.05	14.00
		44	5220		12.18	14.00
		48	5240		12.11	14.00
	U-NII-2A	52	5260		12.05	14.00
		56	5280		12.03	14.00
		60	5300		12.15	14.00
		64	5320		12.09	14.00
	U-NII-2C	100	5500		12.12	13.50
		104	5520		12.11	13.50
		108	5540		12.04	13.50
		112	5560		12.15	13.50
		116	5580		12.11	13.50

		120	5600		11.99	13.50
		124	5620		11.94	13.50
		128	5640		12.06	13.50
		132	5660		11.76	13.50
		136	5680		11.77	13.50
		140	5700		11.71	13.50
	U-NII-3	149	5745		12.32	14.50
		153	5765		12.42	14.50
		157	5785		12.18	14.50
		161	5805		12.43	14.50
		165	5825		12.57	14.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	12.04	13.50
		46	5230		12.03	13.50
	U-NII-2A	54	5270		11.91	13.50
		62	5310		11.85	13.50
	U-NII-2C	102	5510		11.88	12.50
		110	5550		12.16	12.50
		118	5590		11.81	12.50
		126	5630		11.75	12.50
		134	5670		11.59	12.50
	U-NII-3	151	5755		12.55	14.00
		159	5795		12.38	14.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	11.71	13.50
		40	5200		11.92	13.50
		44	5220		11.93	13.50
		48	5240		11.96	13.50
	U-NII-2A	52	5260		12.01	13.50
		56	5280		11.92	13.50
		60	5300		12.05	13.50
		64	5320		11.94	13.50
	U-NII-2C	100	5500		12.09	12.50
		104	5520		12.07	12.50
		108	5540		12.12	12.50
		112	5560		11.92	12.50
		116	5580		11.97	12.50
		120	5600		11.94	12.50
		124	5620		12.00	12.50
		128	5640		11.98	12.50

		132	5660		11.72	12.50
		136	5680		11.75	12.50
		140	5700		11.72	12.50
	U-NII-3	149	5745		12.29	14.00
		153	5765		12.42	14.00
		157	5785		12.26	14.00
		161	5805		12.38	14.00
		165	5825		12.42	14.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-40	U-NII-1	38	5190	MCS0	10.96	12.50
		46	5230		11.05	12.50
	U-NII-2A	54	5270		10.84	12.50
		62	5310		10.79	12.50
	U-NII-2C	102	5510		10.92	11.50
		110	5550		11.06	11.50
		118	5590		10.87	11.50
		126	5630		10.78	11.50
		134	5670		10.50	11.50
	U-NII-3	151	5755		11.59	13.00
		159	5795		11.47	13.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	10.47	12.00
	U-NII-2A	58	5290		10.50	12.00
	U-NII-2C	106	5530		10.65	11.00
		122	5610		10.52	11.00
	U-NII-3	155	5775		11.17	12.50

6 Conducted Power of Bluetooth

BT		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	10.11	10.53	10.13	11.50
	π/4DQPSK	7.06	6.59	6.74	7.50
	8DPSK	7.16	6.63	6.79	7.50
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	-2.78	-2.74	-2.98	-2.50
Band	Channel	1	19	38	Tune up
BLE 2M	GFSK	-2.71	-2.69	-3.01	-2.50

7 Conducted Power of LTE CA

7.1 Conducted Power of LTE DL CA

CA List	PCC								SCC1				Power	
	LTE Band	Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2A-2A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	24.23	24.37
CA_2A-4A	Band 2	3	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	24.23	24.37
	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	23.74	23.86
CA_2A-5A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	24.22	24.37
	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	23.82	24.02
CA_2A-12A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	24.31	24.37
	Band 12	0	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	24.11	24.27
CA_2A-14A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 14	10M	763	5330	24.09	24.37
	Band 14	0	10M	793	23230	QPSK	1	0	Band 2	20M	1960	900	24.16	24.36
CA_2A-29A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	24.19	24.37
CA_2A-30A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	24.21	24.37
	Band 30	3	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	23.32	23.45
CA_2A-48A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 48	20M	3609	55830	24.18	24.37
	Band 48	4	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900	23.12	23.25
CA_2A-66A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 66	20M	2164.8	66984	24.26	24.37
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	23.85	23.96
CA_2A-71A	Band 2	3	20M	1880	18900	QPSK	1	0	Band 71	20M	637	68786	24.17	24.37
	Band 71	0	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	24.26	24.45
CA_2C	Band 2	3	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	24.18	24.37
CA_4A-4A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	23.63	23.86
CA_4A-5A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.57	23.86
	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	23.94	24.02
CA_4A-12A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	23.65	23.86
	Band 12	0	10M	707.5	23095	QPSK	1	0	Band 4	5M	2152.5	2375	24.19	24.27
CA_4A-71A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	23.75	23.86
	Band 71	0	20M	683	133322	QPSK	1	0	Band 4	5M	2152.5	2375	24.37	24.45
CA_4A-29A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	23.59	23.86
CA_4A-30A	Band 4	3	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	23.66	23.86
	Band 30	3	10M	2310	27710	QPSK	1	0	Band 4	5M	2152.5	2375	23.37	23.45
CA_5A-30A	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820	23.91	24.02

	Band 30	3	10M	2310	27710	QPSK	1	0	Band 5	10M	881.5	2525	23.31	23.45
CA_5A-66A	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 66	20M	2145	66786	23.75	24.02
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	23.86	23.96
CA_12A-30A	Band 12	0	10M	707.5	23095	QPSK	1	0	Band 30	10M	2355	9820	24.18	24.27
	Band 30	3	10M	2310	27710	QPSK	1	0	Band 12	10M	737.5	5095	23.27	23.45
CA_12A-66A	Band 12	0	10M	707.5	23095	QPSK	1	0	Band 66	20M	2145	66786	24.16	24.27
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	23.73	23.96
CA_14A-30A	Band 14	0	10M	793	23230	QPSK	1	0	Band 30	10M	2355	9820	24.22	24.36
	Band 30	3	10M	2310	27710	QPSK	1	0	Band 14	10M	763	5330	23.24	23.45
CA_14A-66A	Band 14	0	10M	793	23230	QPSK	1	0	Band 66	20M	2145	66786	24.14	24.36
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 14	10M	763	5330	23.76	23.96
CA_29A-30A	Band 30	3	10M	2310	27710	QPSK	1	0	Band 29	10M	722.5	9715	23.28	23.45
CA_29A-66A	Band 66	3	20M	1745	132322	QPSK	1	0	Band 29	10M	722.5	9715	23.85	23.96
CA_30A-66A	Band 30	3	10M	2310	27710	QPSK	1	0	Band 66	20M	2145	66786	23.36	23.45
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 30	10M	2355	9820	23.72	23.96
CA_48C	Band 48	4	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	23.11	23.25
CA_48B	Band 48	4	15M	3608	55820	QPSK	1	0	Band 48	5M	3697.5	56715	23.02	23.18
CA_48A-66A	Band 48	4	20M	3609	55830	QPSK	1	0	Band 66	20M	2145	66786	23.06	23.25
	Band 66	3	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	23.89	23.96
CA_66C	Band 66	3	20M	1745	132322	QPSK	1	0	Band 66	20M	2164.8	66984	23.74	23.96
CA_66B	Band 66	3	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	23.72	23.92
CA_66A-66A	Band 66	3	20M	1745	132322	QPSK	1	0	Band 66	5M	2177.5	67111	23.78	23.96
CA_66A-71A	Band 66	3	20M	1745	132322	QPSK	1	0	Band 71	20M	637	68786	23.86	23.96
	Band 71	0	20M	683	133322	QPSK	1	0	Band 66	20M	2145	66786	24.18	24.45