

N78 PC3 30kHz Sensor off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	22.61	/	24.00
		1	137	/	22.60	/	24.00
		1	271	/	22.58	/	24.00
		135	0	/	21.55	/	23.00
		135	69	/	22.59	/	24.00
		135	138	/	21.50	/	23.00
		270	0	/	21.64	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.58	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	21.14	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	22.53	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	22.55	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	22.57	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	22.52	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	22.54	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	22.59	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	22.56	22.60	22.57	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	22.52	22.58	22.56	24.00

N78 PC3 30kHz Receiver on/Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	21.59	/	23.00
		1	137	/	21.55	/	23.00
		1	271	/	21.54	/	23.00
		135	0	/	20.56	/	22.00
		135	69	/	21.58	/	23.00
		135	138	/	20.46	/	22.00
		270	0	/	20.64	/	22.00
	DFT-s-	1	1	/	20.54	/	22.00

	OFDM 16QAM						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	20.11	/	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	21.59	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	21.59	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	21.56	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	21.56	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
50MHz	DFT-s-OFDM QPSK	1	1	/	21.57	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
40MHz	DFT-s-OFDM QPSK	1	1	/	21.61	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	21.55	21.59	21.57	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.53	21.58	21.53	23.00

N78 PC2_30kHz Sensor off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	25.68	/	27.00
		1	137	/	25.60	/	27.00
		1	271	/	25.67	/	27.00
		135	0	/	22.08	/	23.50
		135	69	/	25.63	/	27.00
		135	138	/	22.20	/	23.50
		270	0	/	24.67	/	26.00
	DFT-s-OFDM 16QAM	1	1	/	24.60	/	26.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	24.12	/	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	25.62	/	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				/	633334	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	25.66	/	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	25.61	/	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	25.64	/	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	25.54	25.67	25.58	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	25.61	25.60	25.56	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	25.52	25.64	25.59	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	25.63	25.62	25.51	27.00

N78 PC2 30kHz Receiver on/Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	21.68	/	23.00
		1	137	/	21.59	/	23.00
		1	271	/	21.63	/	23.00
		135	0	/	18.08	/	19.50
		135	69	/	21.59	/	23.00
		135	138	/	18.19	/	19.50
		270	0	/	20.65	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	20.61	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	20.12	/	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	21.67	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	21.63	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	21.65	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
60MHz	DFT-s-	1	1	/	21.66	/	23.00

	OFDM QPSK						
Bandwidth	Modulation	RB size	RB offset	Channel 631668	Channel 633334	Channel 635000	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	21.51	21.67	21.58	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 631334	Channel 633334	Channel 635334	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	21.54	21.68	21.55	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 631001	Channel 633334	Channel 635667	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	21.53	21.67	21.56	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	21.51	21.66	21.59	23.00

N78 PC3 30kHz Sensor off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	22.60	/	24.00
		1	137	/	22.55	/	24.00
		1	271	/	22.54	/	24.00
		135	0	/	21.60	/	23.00
		135	69	/	22.58	/	24.00
		135	138	/	21.60	/	23.00
		270	0	/	21.65	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.64	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 650000	Channel /	Tune up
100MHz	CP-OFDM QPSK	1	1	/	21.09	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 650000	Channel /	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	/	22.54	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 650000	Channel /	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	/	22.53	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 650000	Channel /	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	/	22.57	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 650000	Channel /	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	/	22.55	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 650000	Channel 651668	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	22.51	22.57	22.56	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 650000	Channel 652000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	22.51	22.58	22.54	24.00

Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 650000	Channel 652334	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	22.54	22.57	22.52	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650000	Channel 652668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	22.55	22.59	22.52	24.00

N78 PC3_30kHz Receiver on/Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 650000	Channel /	Tune up
100MHz	DFT-s-OFDM QPSK	1	1	/	3750.00	/	23.00
		1	137	/	21.58	/	23.00
		1	271	/	21.54	/	23.00
		135	0	/	21.54	/	23.00
		135	69	/	20.60	/	22.00
		135	138	/	21.54	/	23.00
		270	0	/	20.58	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	20.62	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 650000	Channel /	Tune up
100MHz	CP-OFDM QPSK	1	1	/	20.06	/	21.50
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 650000	Channel /	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	/	21.54	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 650000	Channel /	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	/	21.53	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 650000	Channel /	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	/	21.57	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 650000	Channel /	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	/	21.53	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 650000	Channel 651668	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	21.52	21.55	21.55	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 650000	Channel 652000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	21.49	21.52	21.55	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 650000	Channel 652334	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	21.50	21.57	21.54	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650000	Channel 652668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	21.47	21.54	21.53	23.00

N78 PC2_30kHz Sensor off				Conducted Power(dBm)			
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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	25.65	/	27.00
		1	137	/	25.62	/	27.00
		1	271	/	25.62	/	27.00
		135	0	/	22.18	/	23.50
		135	69	/	25.63	/	27.00
		135	138	/	22.11	/	23.50
		270	0	/	24.63	/	26.00
	DFT-s-OFDM 16QAM	1	1	/	24.60	/	26.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	24.12	/	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
90MHz	DFT-s-OFDM QPSK	1	1	/	25.58	/	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
80MHz	DFT-s-OFDM QPSK	1	1	/	25.60	/	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
70MHz	DFT-s-OFDM QPSK	1	1	/	25.62	/	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
60MHz	DFT-s-OFDM QPSK	1	1	/	25.56	/	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	25.62	25.62	25.64	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	25.64	25.64	25.60	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	25.62	25.62	25.63	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	25.58	25.63	25.60	27.00

4 Conducted Power of WIFI and Bluetooth

4.1 Conducted Power of 2.4G WIFI

WIFI 2.4G Ant8					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.97	18.00
	6	2437		16.79	18.00
	11	2462		16.02	18.00
802.11g	1	2412	6	14.30	16.00
	6	2437		14.62	16.00
	11	2462		15.65	16.00
802.11n HT20	1	2412	6.5	14.16	15.00
	6	2437		14.63	15.00
	11	2462		13.74	15.00
802.11n HT40	3	2422	13.5	13.27	15.00
	6	2437		14.20	15.00
	9	2452		13.08	15.00

4.2 Conducted Power of 5G WIFI

WIFI 5G Ant9					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	14.71	16.00
		40	5200	14.57	16.00
		48	5240	14.60	16.00
	802.11n HT20	36	5180	14.71	15.00
		40	5200	14.24	15.00
		48	5240	13.82	15.00
	802.11n HT40	38	5190	14.62	15.00
		46	5230	14.66	15.00
	802.11ac VHT20	36	5180	12.38	13.00
		40	5200	11.80	13.00
		48	5240	12.16	13.00
	802.11ac VHT40	38	5190	12.80	13.00
46		5230	12.96	13.00	
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	14.65	16.00
		60	5300	15.09	16.00
		64	5320	15.47	16.00
	802.11n HT20	52	5260	13.36	15.00
		60	5300	13.82	15.00
		64	5320	13.98	15.00
	802.11n HT40	54	5270	14.86	15.00
		62	5310	14.42	15.00
	802.11ac VHT20	52	5260	12.29	13.00
		60	5300	12.87	13.00
		64	5320	12.83	13.00
	802.11ac VHT40	54	5270	11.88	13.00
		62	5310	11.23	13.00
	802.11ac VHT80	58	5290	12.09	13.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	15.18	16.00
		116	5580	14.59	16.00
		140	5700	14.87	16.00
	802.11n HT20	100	5500	14.16	15.00
		116	5580	14.61	15.00
		140	5700	13.60	15.00
	802.11n HT40	102	5510	14.58	15.00
		110	5550	14.73	15.00
		134	5670	13.25	15.00
	802.11ac VHT20	100	5500	11.76	13.00
		116	5580	12.17	13.00

	802.11ac VHT40	140	5700	11.60	13.00
		102	5510	12.67	13.00
		110	5550	12.74	13.00
		134	5670	12.84	13.00
	802.11ac VHT80	106	5530	11.55	13.00
		122	5610	12.24	13.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	15.26	16.00
		157	5785	14.14	16.00
		165	5825	15.13	16.00
	802.11n HT20	149	5745	13.13	15.00
		157	5785	13.52	15.00
		165	5825	14.28	15.00
	802.11n HT40	151	5755	14.57	15.00
		159	5795	14.11	15.00
	802.11ac VHT20	149	5745	12.07	13.00
		157	5785	12.77	13.00
		165	5825	12.52	13.00
	802.11ac VHT40	151	5755	12.89	13.00
		159	5795	12.67	13.00
	802.11ac VHT80	155	5775	11.78	13.00

WIFI 5G Ant9 for Simultaneous					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	11.66	13.00
		40	5200	11.55	13.00
		48	5240	11.57	13.00
	802.11n HT20	36	5180	11.70	12.00
		40	5200	11.22	12.00
		48	5240	10.79	12.00
	802.11n HT40	38	5190	11.60	12.00
		46	5230	11.61	12.00
	802.11ac VHT20	36	5180	9.33	10.00
		40	5200	8.80	10.00
		48	5240	9.16	10.00
	802.11ac VHT40	38	5190	9.76	10.00
46		5230	9.95	10.00	
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	11.62	13.00
		60	5300	12.06	13.00
		64	5320	12.13	13.00
	802.11n HT20	52	5260	10.34	12.00
		60	5300	10.81	12.00
		64	5320	10.96	12.00
	802.11n HT40	54	5270	11.81	12.00
		62	5310	11.37	12.00
	802.11ac VHT20	52	5260	9.29	10.00
		60	5300	9.84	10.00
		64	5320	9.81	10.00
	802.11ac VHT40	54	5270	8.84	10.00
		62	5310	8.22	10.00
	802.11ac VHT80	58	5290	9.10	10.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	12.14	13.00
		116	5580	11.58	13.00
		140	5700	11.85	13.00
	802.11n HT20	100	5500	11.16	12.00
		116	5580	11.58	12.00
		140	5700	10.57	12.00
	802.11n HT40	102	5510	11.53	12.00
		110	5550	11.73	12.00
		134	5670	10.23	12.00
	802.11ac VHT20	100	5500	8.74	10.00
		116	5580	9.17	10.00

	802.11ac VHT40	140	5700	8.57	10.00
		102	5510	9.65	10.00
		110	5550	9.74	10.00
		134	5670	9.82	10.00
	802.11ac VHT80	106	5530	8.53	10.00
		122	5610	9.24	10.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	12.24	13.00
		157	5785	11.12	13.00
		165	5825	12.13	13.00
	802.11n HT20	149	5745	10.09	12.00
		157	5785	10.52	12.00
		165	5825	11.29	12.00
	802.11n HT40	151	5755	11.56	12.00
		159	5795	11.07	12.00
	802.11ac VHT20	149	5745	9.07	10.00
		157	5785	9.77	10.00
		165	5825	9.51	10.00
	802.11ac VHT40	151	5755	9.90	10.00
		159	5795	9.64	10.00
	802.11ac VHT80	155	5775	8.76	10.00

4.3 Conducted Power of Bluetooth

Ant8		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	5.80	5.91	5.89	7.00
	$\pi/4$ DQPSK	4.68	4.60	5.09	6.00
	8DPSK	4.62	4.69	5.09	6.00
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	5.55	5.73	6.12	7.00

- End of the Appendix -