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Appendix E

Conducted RF Output Power

1 Conducted Power of WIFI and Bluetooth

1.1 Conducted Power of 2.4G WIFI

WIFI 2.4G Ant					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	17.00	18.50
	6	2437		17.17	18.50
	11	2462		17.67	18.50
802.11g	1	2412	6	22.02	23.00
	6	2437		21.58	23.00
	11	2462		21.36	23.00
802.11n HT20	1	2412	6.5	21.91	23.00
	6	2437		21.52	23.00
	11	2462		21.44	23.00
802.11n HT40	3	2422	13.5	21.01	22.00
	6	2437		20.61	22.00
	9	2452		21.06	22.00
802.11ax HE20	1	2412	MCS0	22.26	23.00
	6	2437		21.53	23.00
	11	2462		21.68	23.00
802.11ax HE40	3	2422	MCS0	23.03	24.00
	6	2437		22.16	24.00
	9	2452		21.82	24.00

1.2 Conducted Power of 5G WIFI

WIFI 5G Ant					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	13.04	14.00
		40	5200	12.92	14.00
		44	5220	13.17	14.00
		48	5240	13.47	14.00
	802.11ac VHT20	36	5180	12.89	14.00
		40	5200	12.83	14.00
		44	5220	12.81	14.00
		48	5240	13.33	14.00
	802.11ac VHT40	38	5190	12.85	14.00
		46	5230	13.32	14.00
	802.11ax HE20	36	5180	12.78	14.00
		40	5200	12.85	14.00
		44	5220	12.78	14.00
		48	5240	13.30	14.00
	802.11ax HE40	38	5190	12.84	14.00
		46	5230	13.10	14.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	13.09	14.50
		56	5280	13.43	14.50
		60	5300	13.90	14.50
		64	5320	13.86	14.50
	802.11ac VHT20	52	5260	13.84	14.50
		56	5280	13.76	14.50
		60	5300	13.70	14.50
		64	5320	13.70	14.50
	802.11ac VHT40	54	5270	13.88	14.50
		62	5310	13.64	14.50
	802.11ax HE20	52	5260	13.89	14.50
		56	5280	13.61	14.50
		60	5300	13.51	14.50
		64	5320	13.80	14.50
	802.11ax HE40	54	5270	13.75	14.50
		62	5310	13.49	14.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	13.27	14.00
		104	5520	13.06	14.00
		108	5540	12.91	14.00
		112	5560	12.96	14.00
		116	5580	13.31	14.00
		120	5600	13.23	14.00

		124	5620	12.93	14.00
		128	5640	13.24	14.00
		132	5660	13.06	14.00
		136	5680	12.96	14.00
		140	5700	13.17	14.00
		144	5720	13.14	14.00
	802.11ac VHT20	100	5500	13.39	14.00
		104	5520	13.10	14.00
		108	5540	12.96	14.00
		112	5560	13.28	14.00
		116	5580	13.29	14.00
		120	5600	13.19	14.00
		124	5620	13.03	14.00
		128	5640	13.08	14.00
		132	5660	12.93	14.00
		136	5680	12.99	14.00
		140	5700	13.10	14.00
		144	5720	13.19	14.00
	802.11ac VHT40	102	5510	13.69	14.00
		110	5550	12.97	14.00
		118	5590	12.95	14.00
		126	5630	12.73	14.00
		134	5670	13.09	14.00
		142	5710	12.75	14.00
	802.11ax HE20	100	5500	13.45	14.00
		104	5520	13.16	14.00
		108	5540	13.22	14.00
		112	5560	13.40	14.00
		116	5580	13.40	14.00
		120	5600	13.35	14.00
		124	5620	13.27	14.00
		128	5640	13.16	14.00
		132	5660	13.36	14.00
		136	5680	13.08	14.00
		140	5700	13.11	14.00
		144	5720	13.29	14.00
	802.11ax HE40	102	5510	13.80	14.00
		110	5550	13.37	14.00
		118	5590	13.41	14.00
		126	5630	13.51	14.00
		134	5670	13.35	14.00
		142	5710	13.43	14.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	13.05	14.00
		153	5765	13.00	14.00
		157	5785	13.07	14.00
		161	5805	13.05	14.00



		165	5825	12.92	14.00
	802.11ac VHT20	149	5745	13.06	14.00
		153	5765	12.87	14.00
		157	5785	12.98	14.00
		161	5805	12.99	14.00
		165	5825	13.46	14.00
	802.11ac VHT40	151	5755	13.01	14.00
		159	5795	13.23	14.00
	802.11ax HE20	149	5745	13.16	14.00
		153	5765	12.93	14.00
		157	5785	12.95	14.00
		161	5805	12.81	14.00
		165	5825	13.26	14.00
	802.11ax HE40	151	5755	13.37	14.00
		159	5795	13.70	14.00

1.3 Conducted Power of Bluetooth

BT		Average Conducted Power(dBm)		Tune up	Average Conducted Power(dBm)	Tune up
Band	Channel	0	19	Tune up	39	Tune up
BLE 1M	GFSK	10.53	9.76	11.00	8.82	10.00
BLE 2M	GFSK	10.62	9.90	11.00	8.94	10.00

- End of the Appendix -