



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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Appendix E

Conducted RF Output Power

Measurement of RF conducted Power	
1	Conducted Power of WIFI
2	Conducted Power of Bluetooth

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1 Conducted Power of WIFI

WIFI 2.4G Ant					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	19.15	20.00
	6	2437		19.06	20.00
	11	2462		19.13	20.00
802.11g	1	2412	6	18.38	19.00
	6	2437		18.52	19.00
	11	2462		18.40	19.00
802.11n HT20	1	2412	6.5	18.23	19.00
	6	2437		18.40	19.00
	11	2462		18.24	19.00
802.11n HT40	3	2422	13.5	17.11	18.00
	6	2437		17.32	18.00
	9	2452		17.26	18.00



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WIFI 5G Ant					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	17.25	18.00
		40	5200	17.37	18.00
		44	5220	17.33	18.00
		48	5240	17.46	18.00
	802.11n HT20	36	5180	17.10	18.00
		40	5200	17.15	18.00
		44	5220	17.11	18.00
		48	5240	17.80	18.00
	802.11n HT40	38	5190	17.18	18.00
		46	5230	17.67	18.00
	802.11ac VHT20	36	5180	17.25	18.00
		40	5200	17.38	18.00
		44	5220	17.35	18.00
		48	5240	17.39	18.00
	802.11ac VHT40	38	5190	17.34	18.00
		46	5230	17.71	18.00
	802.11ac VHT80	42	5210	16.00	17.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	20.43	21.00
		56	5280	20.48	21.00
		60	5300	20.67	21.00
		64	5320	20.51	21.00
	802.11n HT20	52	5260	20.19	21.00
		56	5280	20.14	21.00
		60	5300	20.35	21.00
		64	5320	20.22	21.00
	802.11n HT40	54	5270	15.97	17.00
		62	5310	16.42	17.00
	802.11ac VHT20	52	5260	19.26	20.00
		56	5280	19.22	20.00
		60	5300	19.38	20.00
		64	5320	19.51	20.00
	802.11ac VHT40	54	5270	16.11	17.00
		62	5310	16.37	17.00
	802.11ac VHT80	58	5290	17.31	18.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	19.22	20.50
		104	5520	19.20	20.50
		108	5540	19.16	20.50



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		112	5560	19.19	20.50
		116	5580	20.40	20.50
		120	5600	20.28	20.50
		124	5620	20.31	20.50
		128	5640	20.16	20.50
		132	5660	20.08	20.50
		136	5680	19.42	20.50
		140	5700	19.56	20.50
		144	5720	19.51	20.50
		100	5500	19.04	20.50
	802.11n HT20	104	5520	19.01	20.50
		108	5540	18.96	20.50
		112	5560	19.03	20.50
		116	5580	20.12	20.50
		120	5600	20.05	20.50
		124	5620	19.20	20.50
		128	5640	19.28	20.50
		132	5660	19.32	20.50
		136	5680	19.22	20.50
		140	5700	19.33	20.50
		144	5720	19.16	20.50
	802.11n HT40	102	5510	18.66	20.00
		110	5550	18.89	20.00
		118	5590	18.59	20.00
		126	5630	18.44	20.00
		134	5670	18.50	20.00
		142	5710	18.22	20.00
	802.11ac VHT20	100	5500	18.43	20.00
		104	5520	18.31	20.00
		108	5540	18.29	20.00
		112	5560	18.21	20.00
		116	5580	19.59	20.00
		120	5600	19.16	20.00
		124	5620	19.03	20.00
		128	5640	18.61	20.00
		132	5660	18.55	20.00
		136	5680	18.43	20.00
		140	5700	18.69	20.00
		144	5720	18.51	20.00
	802.11ac VHT40	102	5510	18.71	20.00
		110	5550	18.98	20.00
		118	5590	18.74	20.00
		126	5630	18.61	20.00
		134	5670	18.64	20.00
		142	5710	18.33	20.00
	802.11ac VHT80	106	5530	18.10	20.00
		122	5610	18.75	20.00



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		138	5690	18.59	20.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	20.27	20.50
		153	5765	19.33	20.50
		157	5785	19.46	20.50
		161	5805	19.24	20.50
		165	5825	19.31	20.50
	802.11n HT20	149	5745	20.09	20.50
		153	5765	19.21	20.50
		157	5785	19.29	20.50
		161	5805	19.16	20.50
		165	5825	19.18	20.50
	802.11n HT40	151	5755	18.92	19.50
		159	5795	17.98	19.50
	802.11ac VHT20	149	5745	19.18	19.50
		153	5765	19.05	19.50
		157	5785	18.67	19.50
		161	5805	18.42	19.50
		165	5825	18.47	19.50
	802.11ac VHT40	151	5755	19.08	19.50
		159	5795	18.12	19.50
	802.11ac VHT80	155	5775	18.97	19.50



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2 Conducted Power of Bluetooth

BT Ant		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	6.95	7.10	6.97	7.50
	$\pi/4$ DQPSK	7.81	8.02	7.77	8.50
	8DPSK	8.09	8.27	8.04	8.50
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	7.42	7.31	8.05	8.50
BLE 2M	GFSK	7.51	7.42	8.14	8.50

- End of the Appendix -