Appendix A

RF Test Data for BT V4.0 (BLE) (Conducted Measurement)

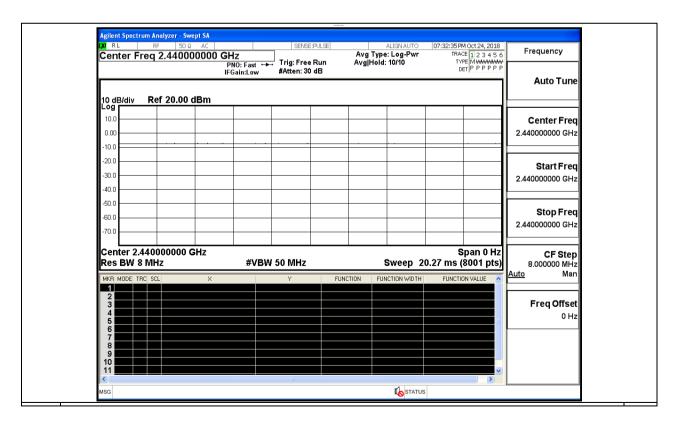
Product Name: BT Mesh Smart Switch
Trade Mark: N/A
Test Model: ZJ-BM-AD01

Environmental Conditions

Temperature:	24.3 ° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.Xu
Supervised by:	Jayden.Zhuo

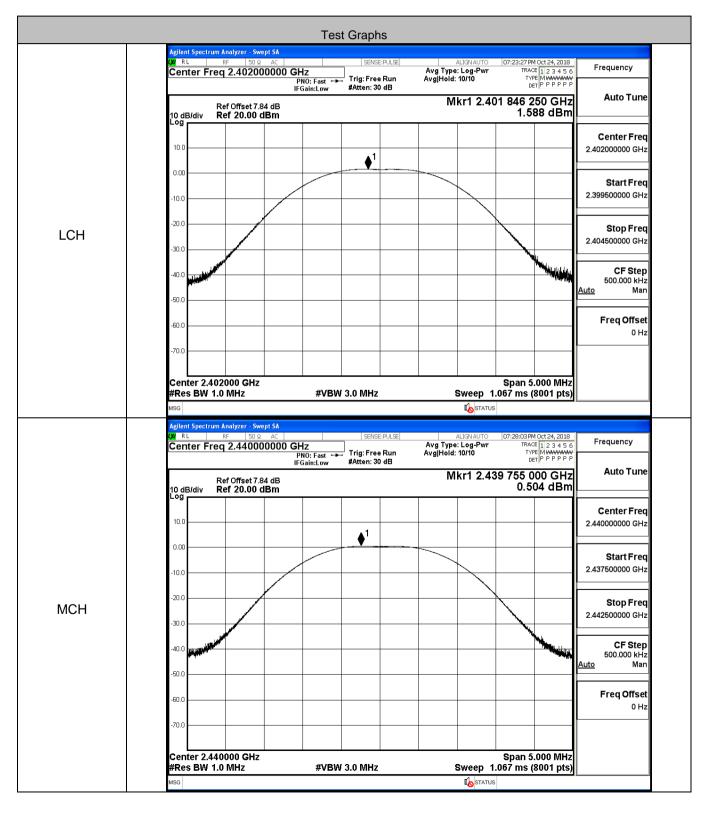
A.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS

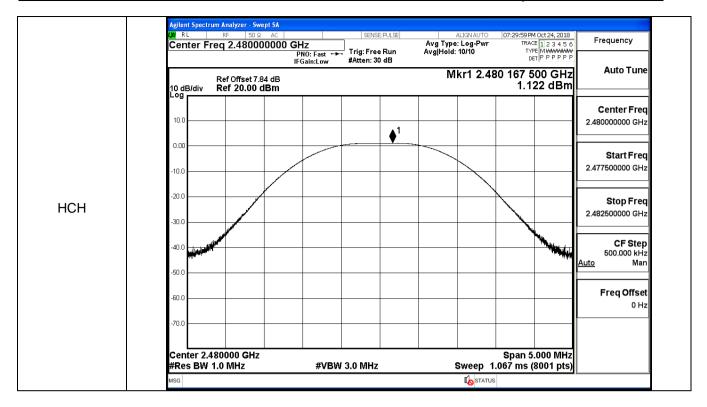


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.588	30	PASS
BT LE	мсн	0.504	30	PASS
BT LE	НСН	1.122	30	PASS

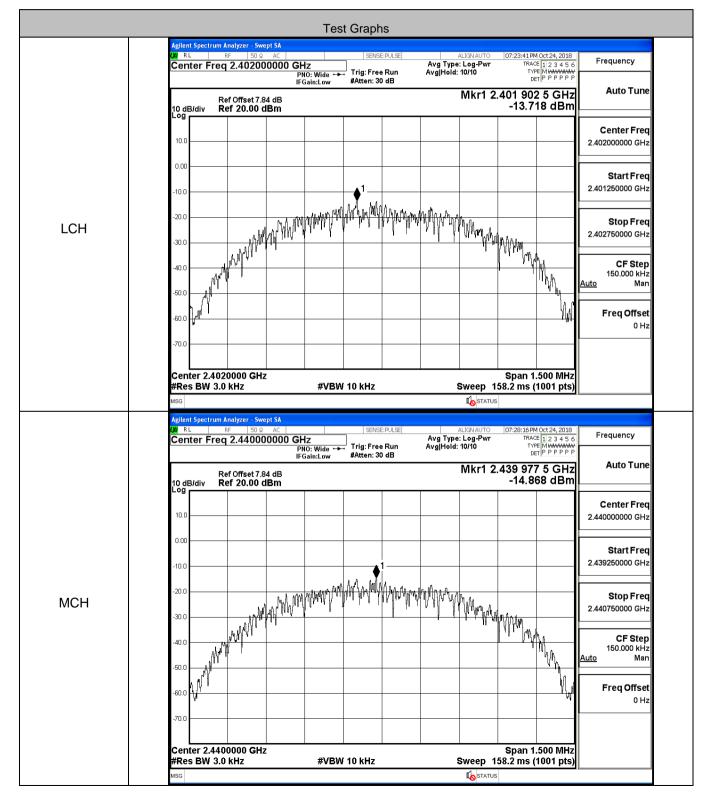


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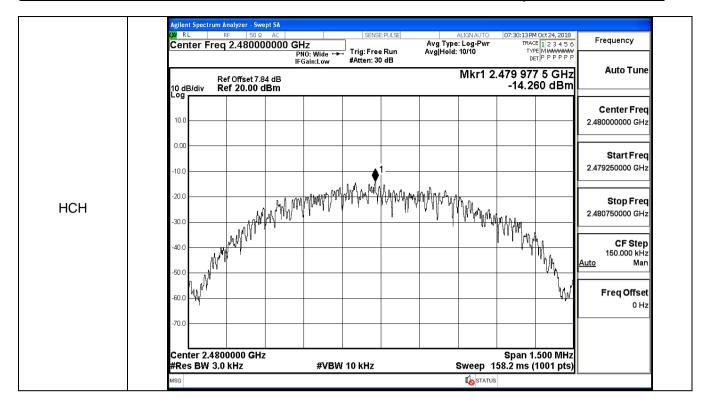


A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.718	8	PASS
BT LE	MCH	-14.868	8	PASS
BT LE	НСН	-14.260	8	PASS

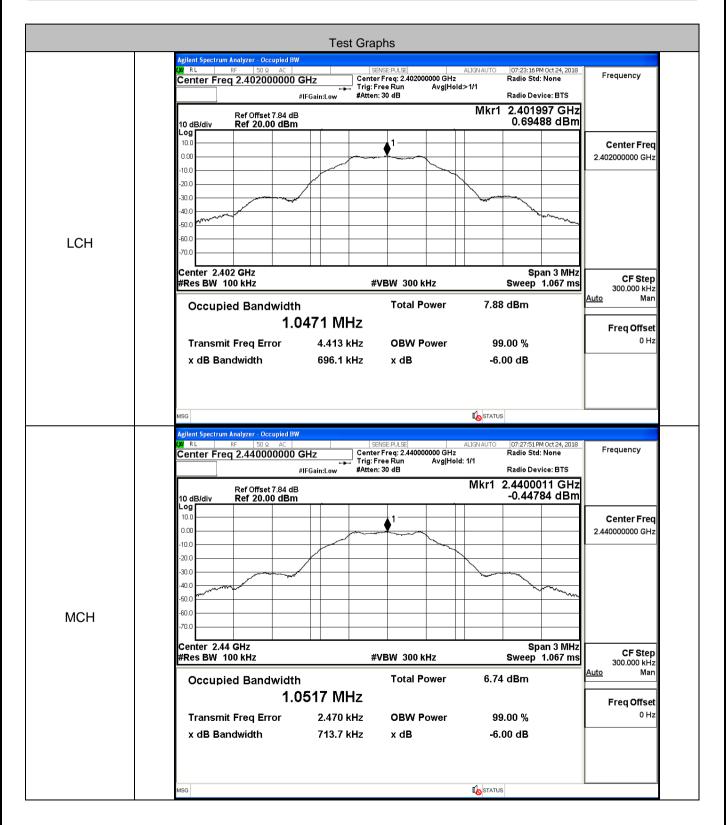


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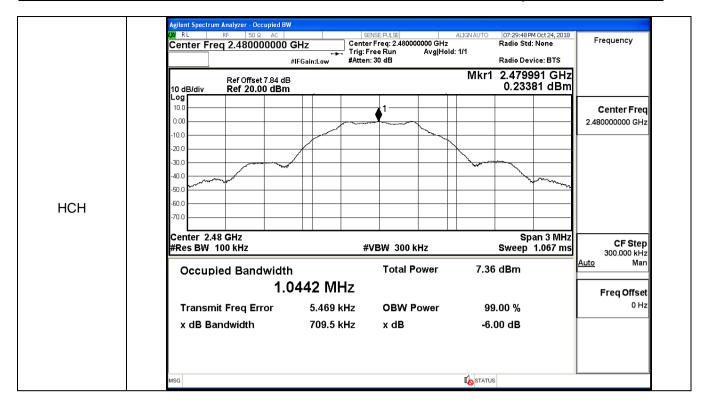


A.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6961	≥0.5	PASS
BT LE	MCH	0.7137	≥0.5	PASS
BT LE	HCH	0.7095	≥0.5	PASS

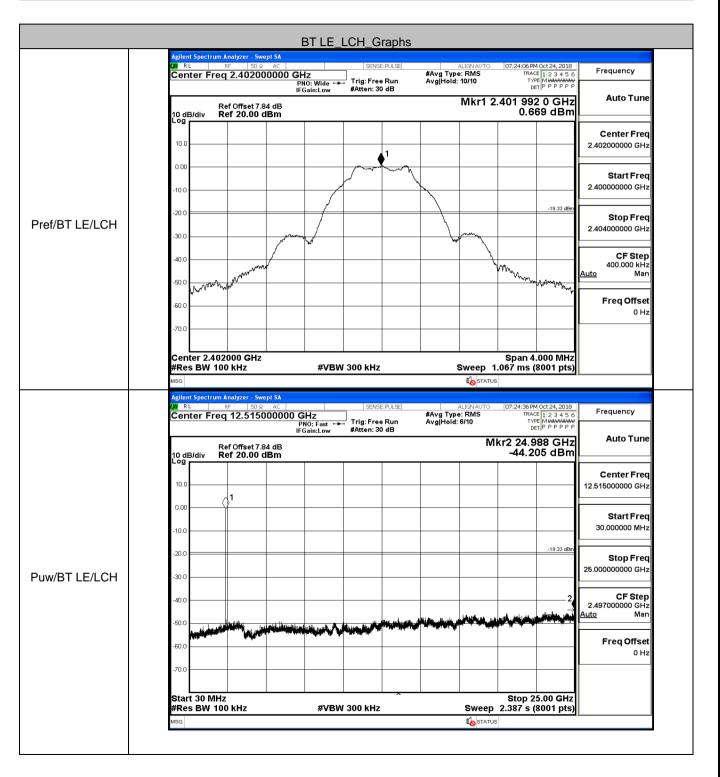


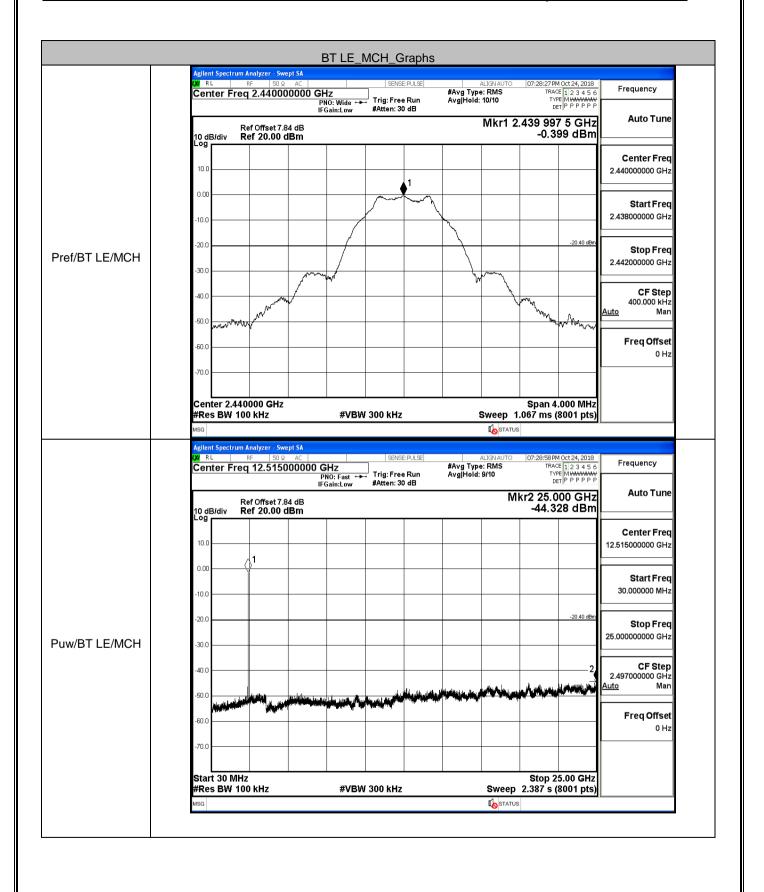
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AGGW-ZJMHAD Report No.:LCS181015039AEA

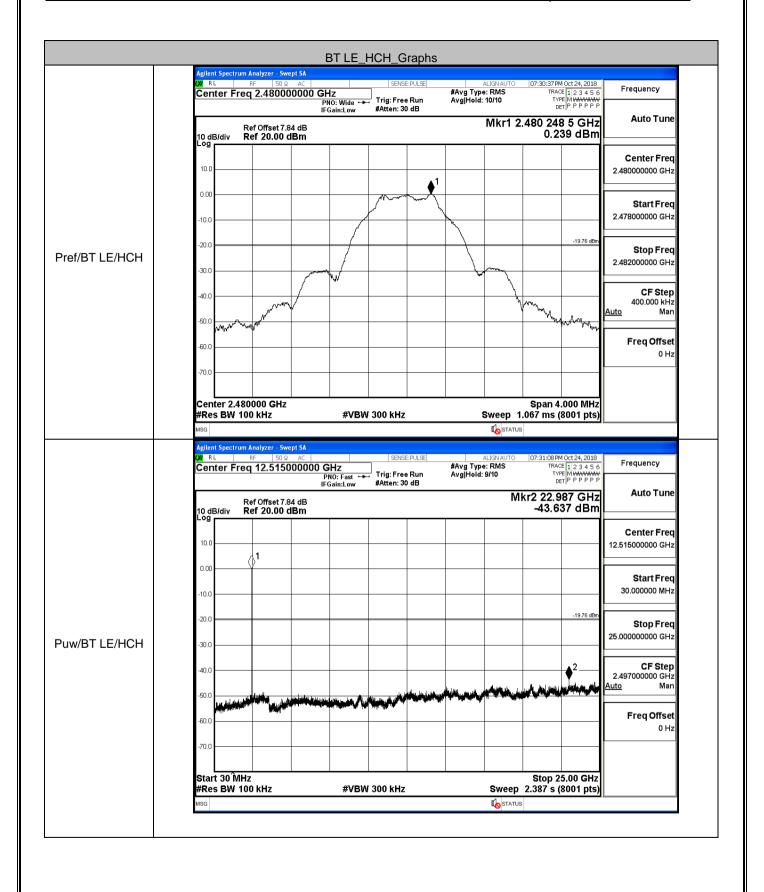


A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.669	-44.205	-19.331	PASS
BT LE	MCH	-0.399	-44.328	-20.399	PASS
BT LE	НСН	0.239	-43.637	-19.761	PASS

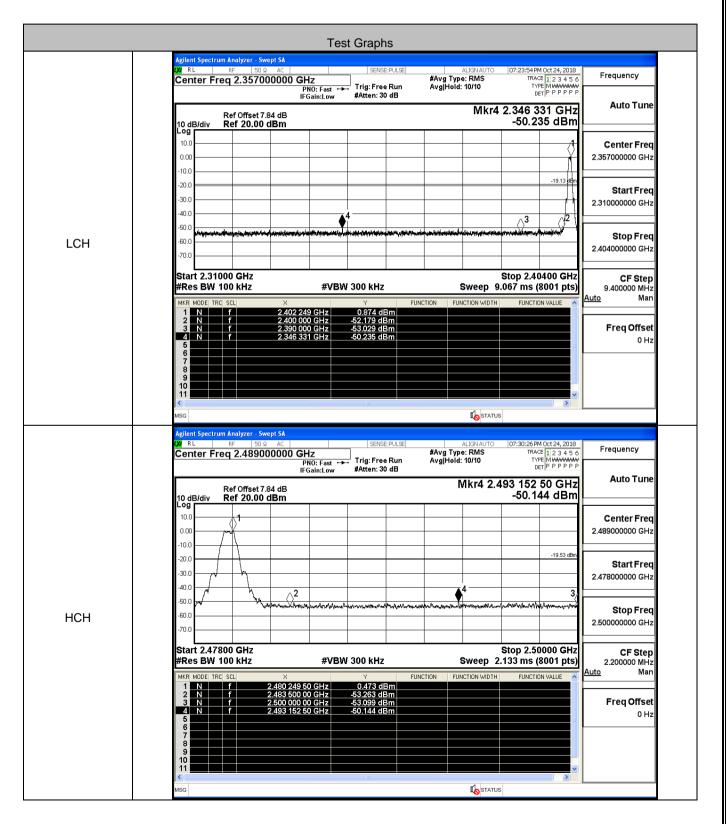






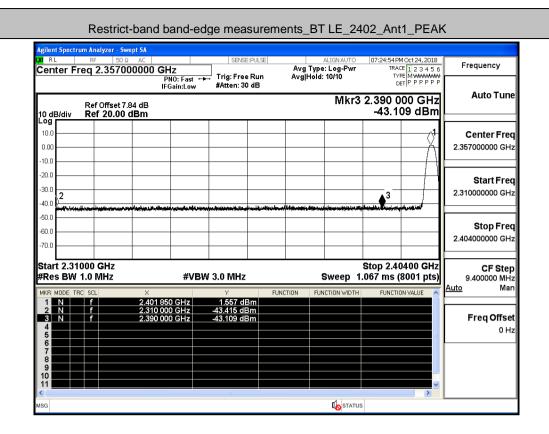
A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.874	-50.235	-19.13	PASS
BT LE	HCH	0.473	-50.144	-19.53	PASS

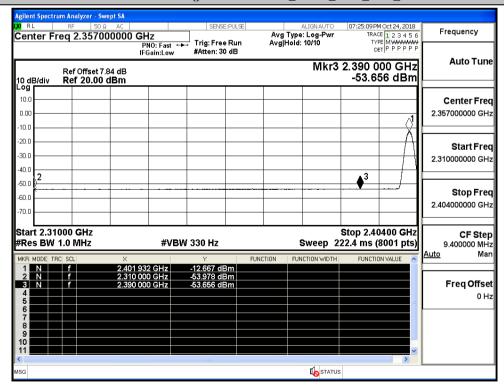


A.7 Restrict-band band-edge measurements

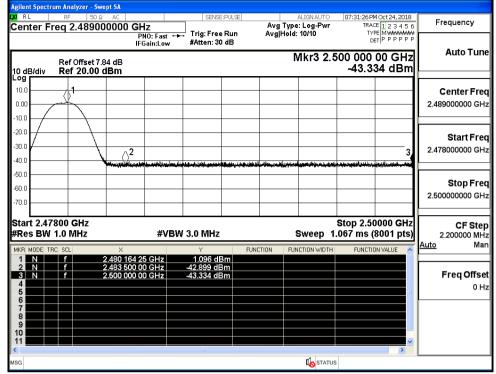
Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-43.42	2.0	0	51.84	PEAK	74	PASS
	2402	Ant1	2310.0	-53.98	2.0	0	41.28	AV	54	PASS
		Ant1	2390.0	-43.11	2.0	0	52.15	PEAK	74	PASS
		Ant1	2390.0	-53.66	2.0	0	41.60	AV	54	PASS
BT LE		Ant1	2483.5	-42.90	2.0	0	52.36	PEAK	74	PASS
	2480	Ant1	2483.5	-53.33	2.0	0	41.93	AV	54	PASS
		Ant1	2500.0	-43.33	2.0	0	51.92	PEAK	74	PASS
		Ant1	2500.0	-53.29	2.0	0	41.97	AV	54	PASS



Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

