# Appendix A

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

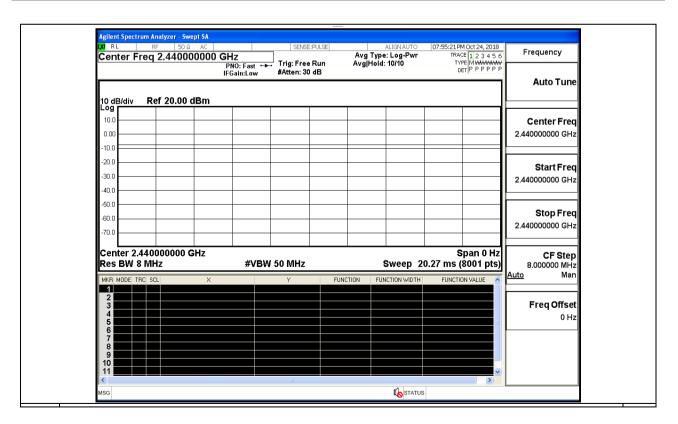
Product Name:Smart Bridge Trade Mark: N/A Test Model: ZJ-MHSB-A

### **Environmental Conditions**

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

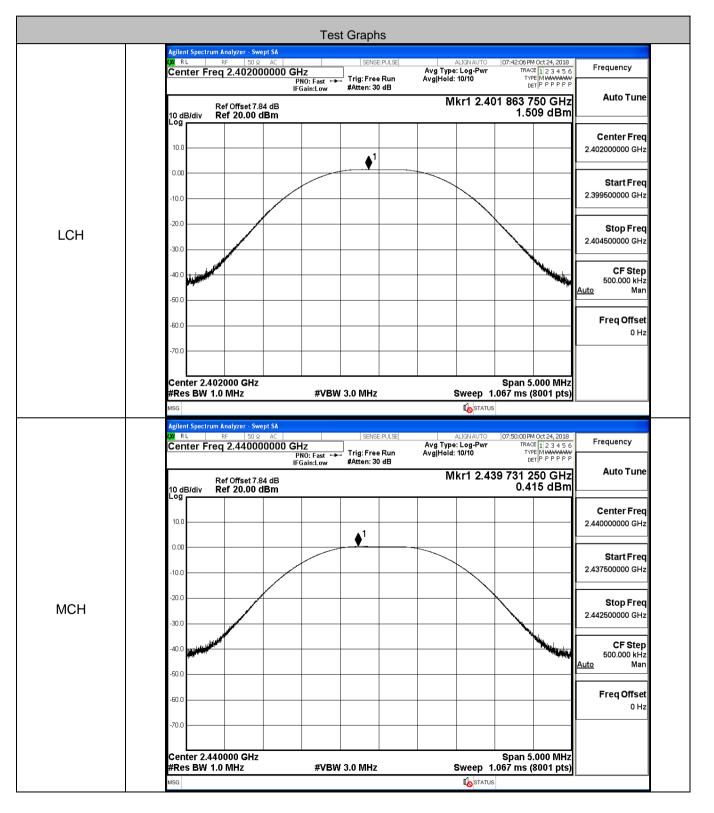
## A.1 Duty Cycle

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

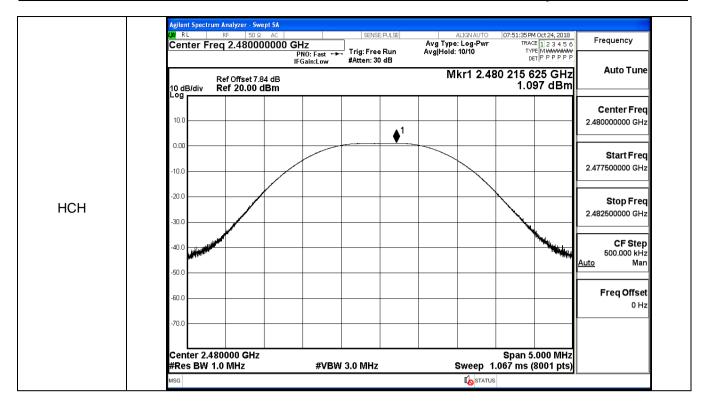


## **A.2 Maximum Conducted Peak Output Power**

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.509	30	PASS
BT LE	MCH	0.415	30	PASS
BT LE	НСН	1.097	30	PASS

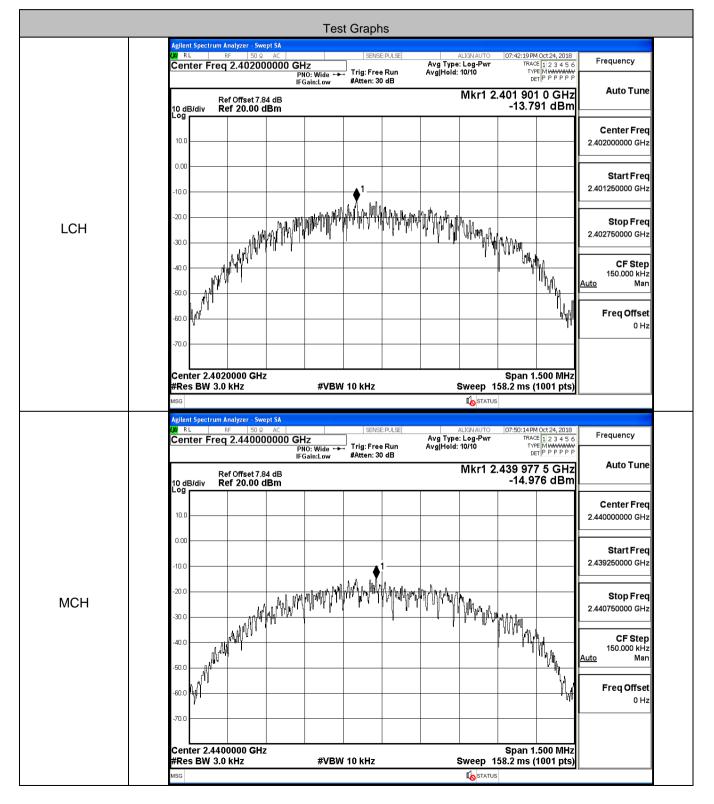


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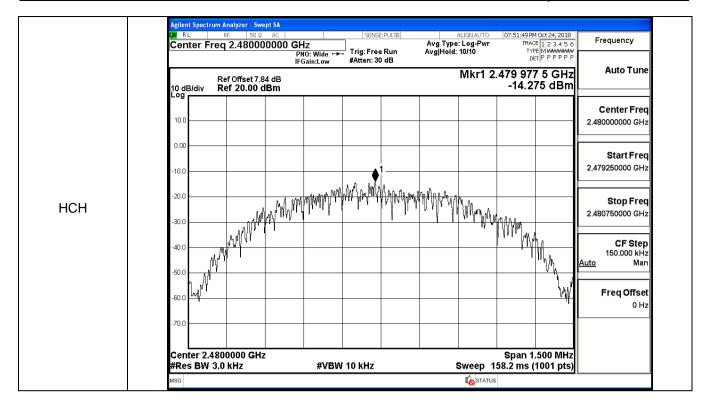


## A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.791	8	PASS
BT LE	MCH	-14.976	8	PASS
BT LE	НСН	-14.275	8	PASS

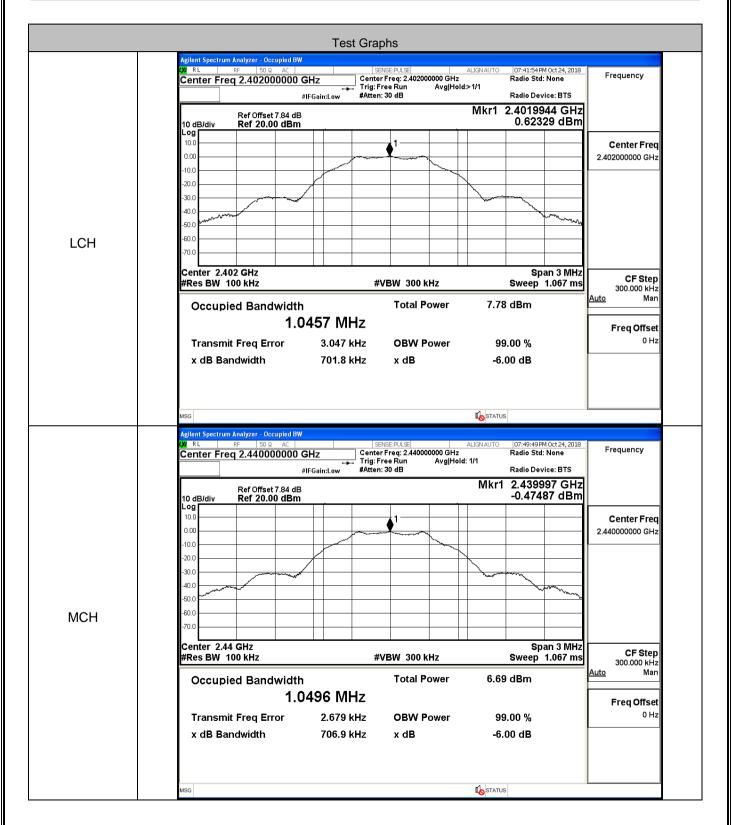


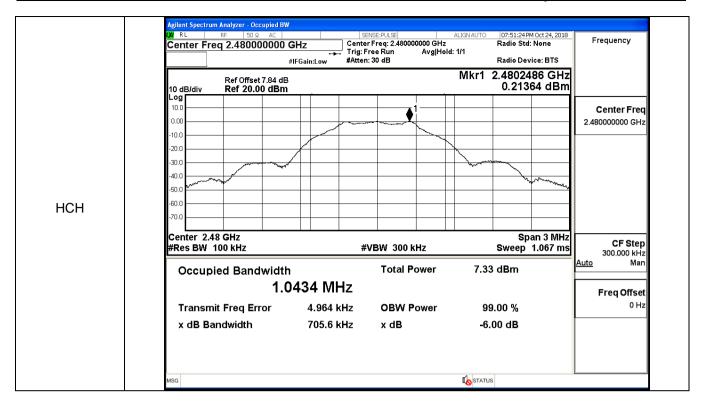
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#### A.4 6dB Bandwidth

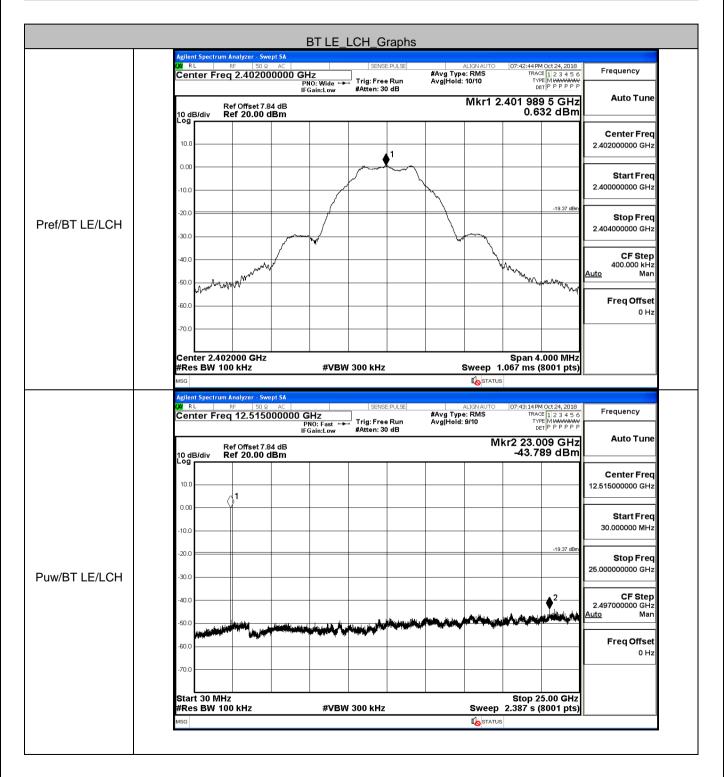
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7018	≥0.5	PASS
BT LE	MCH	0.7069	≥0.5	PASS
BT LE	HCH	0.7056	≥0.5	PASS

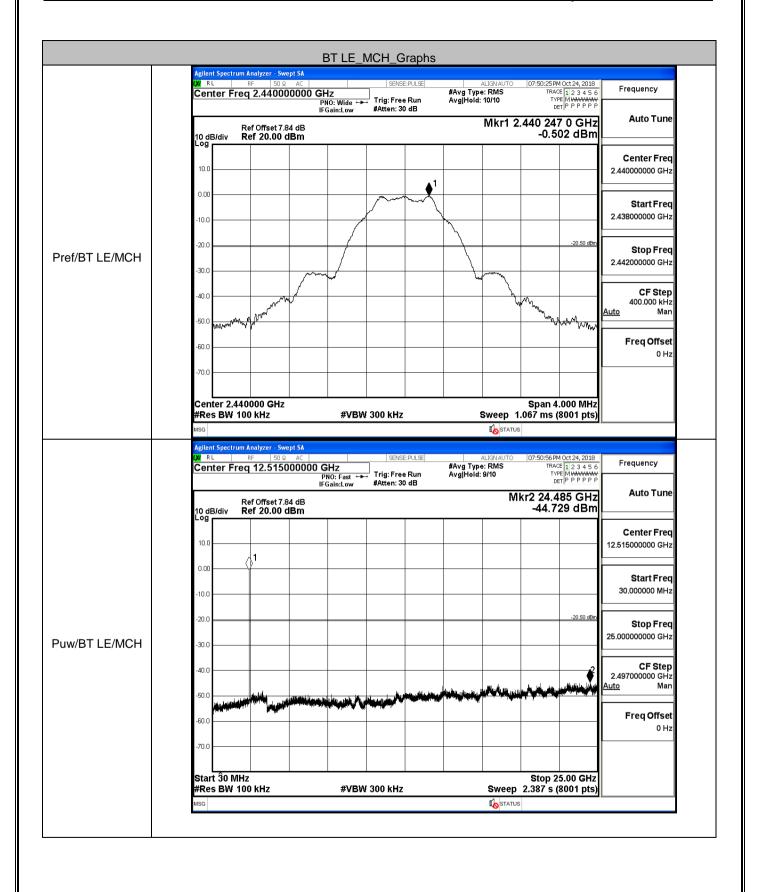


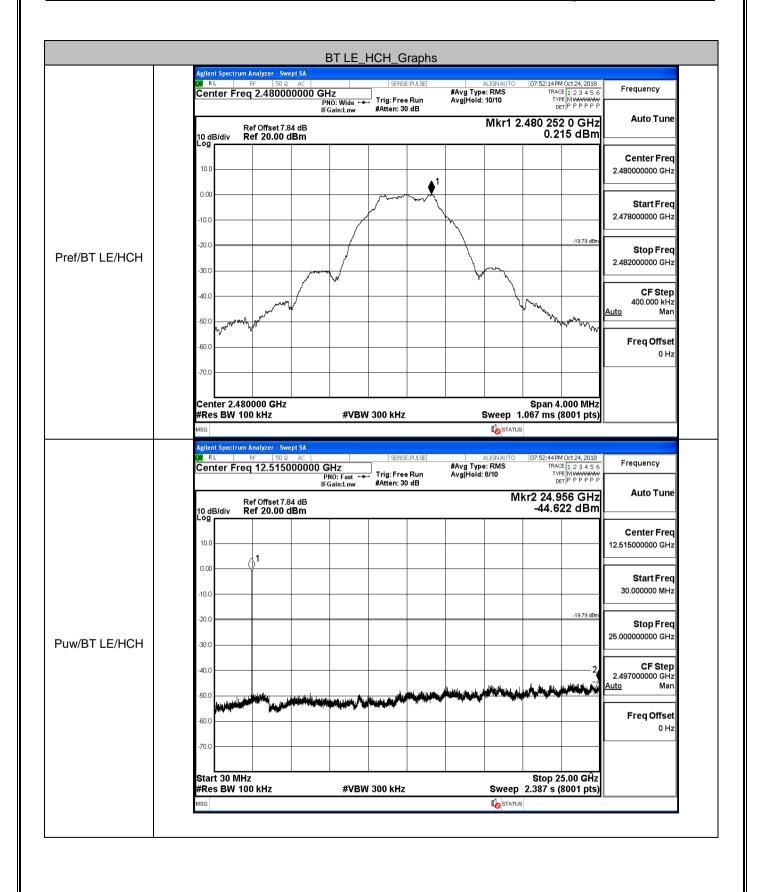


### A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.632	-43.789	-19.368	PASS
BT LE	MCH	-0.502	-44.729	-20.502	PASS
BT LE	НСН	0.215	-44.622	-19.785	PASS

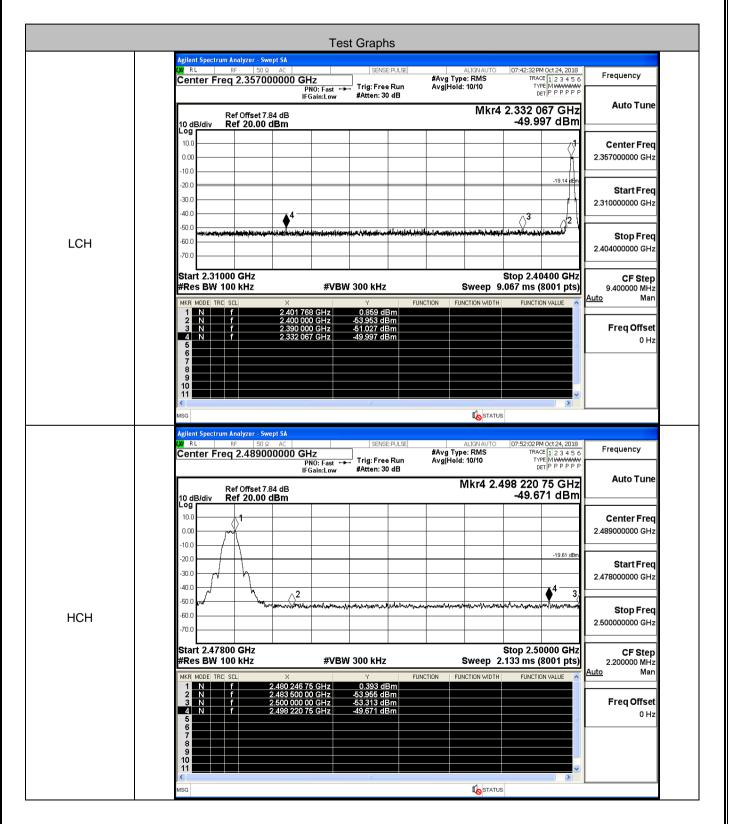






## A.6 Band-edge for RF Conducted Emissions

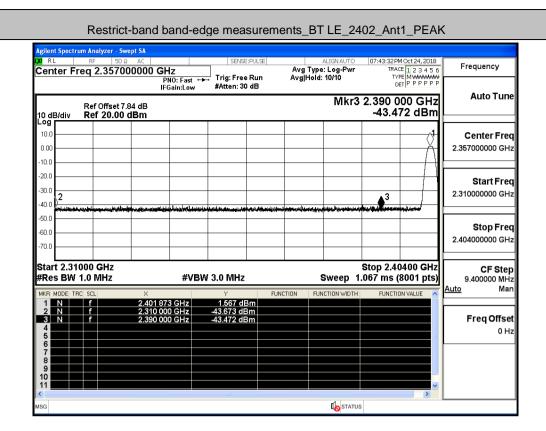
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.859	-49.997	-19.14	PASS
BT LE	HCH	0.393	-49.671	-19.61	PASS



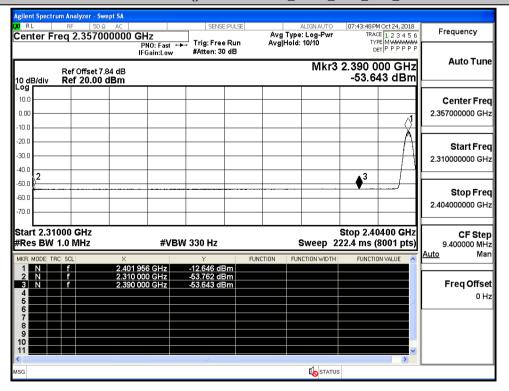
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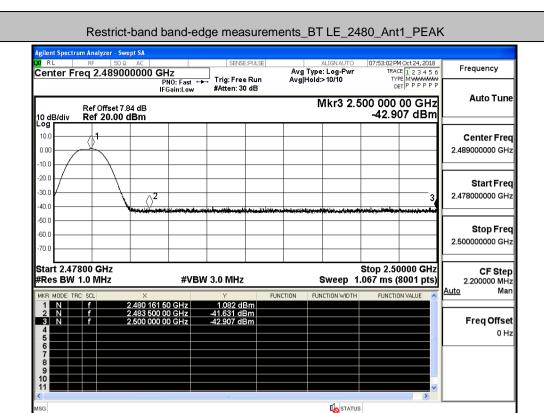
# A.7 Restrict-band band-edge measurements

Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-43.67	2.0	0	53.58	PEAK	74	PASS
	2402	Ant1	2310.0	-53.76	2.0	0	43.50	AV	54	PASS
		Ant1	2390.0	-43.47	2.0	0	53.79	PEAK	74	PASS
		Ant1	2390.0	-53.64	2.0	0	43.61	AV	54	PASS
BT LE		Ant1	2483.5	-41.63	2.0	0	55.63	PEAK	74	PASS
	2480	Ant1	2483.5	-53.22	2.0	0	44.04	AV	54	PASS
		Ant1	2500.0	-42.91	2.0	0	54.35	PEAK	74	PASS
		Ant1	2500.0	-53.24	2.0	0	44.02	AV	54	PASS



#### Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_AV





#### Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_AV

