## **Appendix B**

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

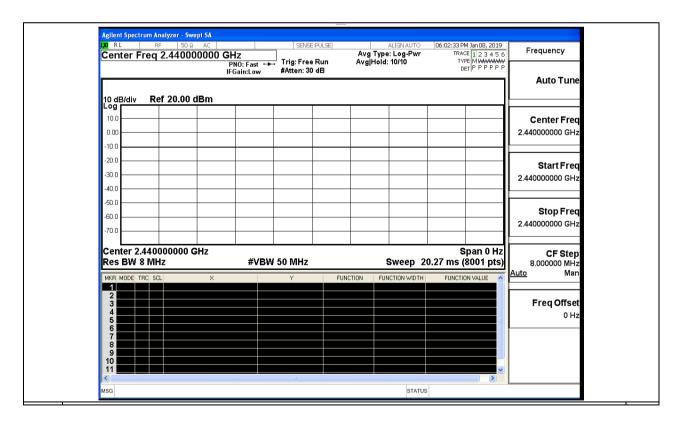
Product Name: Monster FLAME
Trade Mark: Monster
Test Model: MNFLAME

#### **Environmental Conditions**

_	
Temperature:	23.3 ° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Jayden.Zhuo

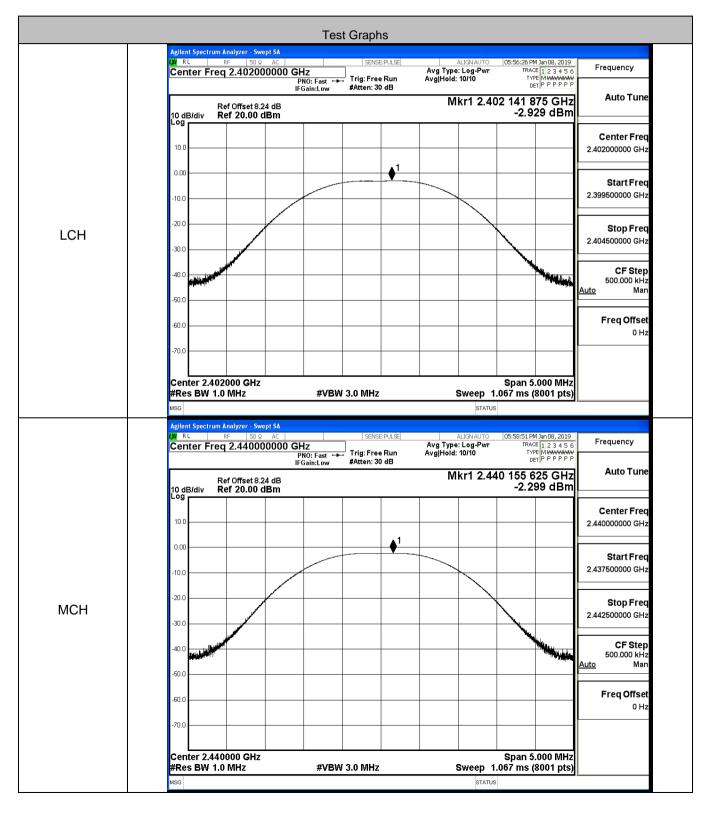
### **B.1 Duty Cycle**

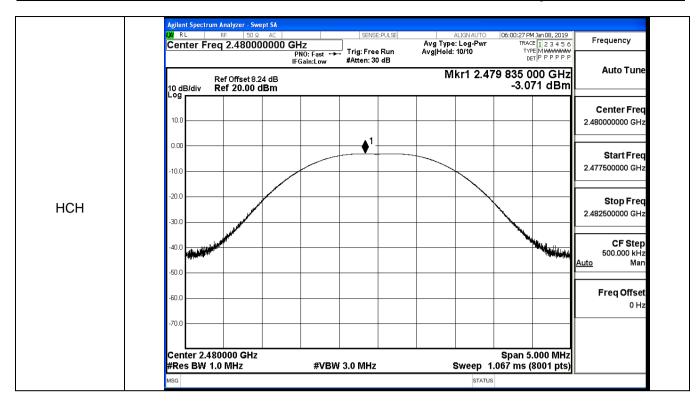
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict	
BT LE	2440	Ant1	100	PASS	



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

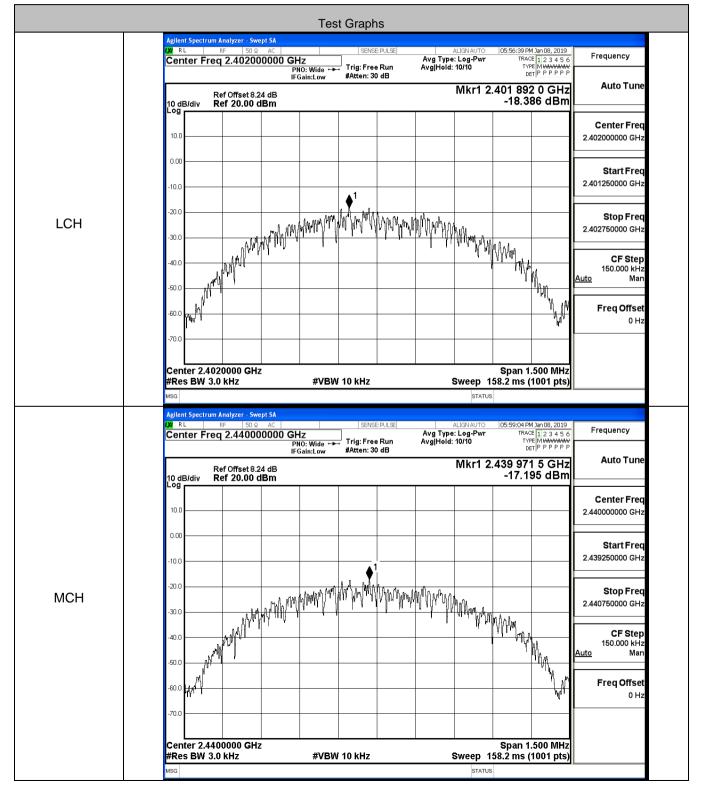
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.929	30	PASS
BT LE	MCH	-2.299	30	PASS
BT LE	HCH	-3.071	30	PASS



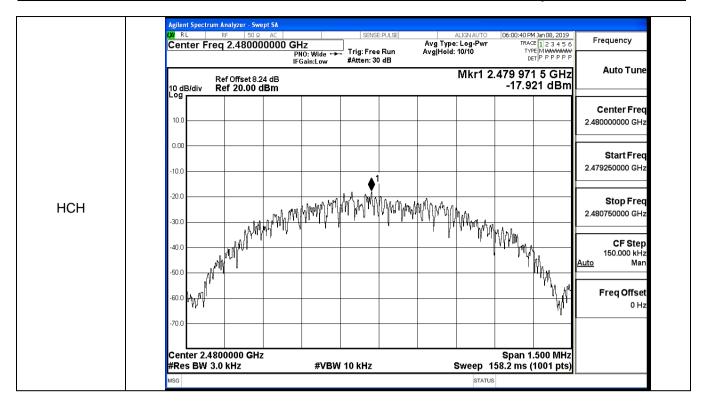


### **B.3 Maximum Power Spectral Density**

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-18.386	8	PASS
BT LE	MCH	-17.195	8	PASS
BT LE	HCH	-17.921	8	PASS

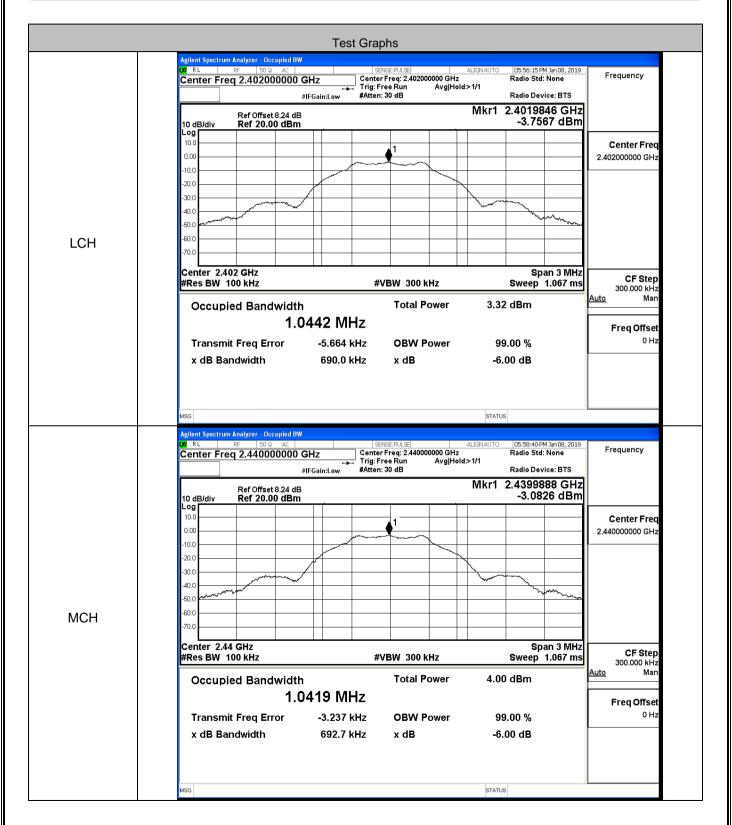


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#### **B.4 6dB Bandwidth**

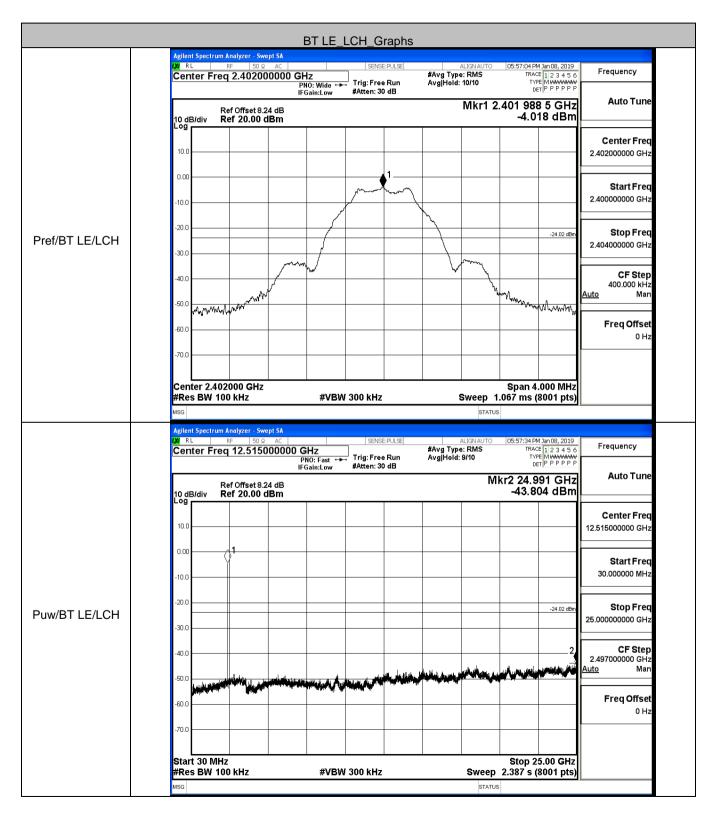
Mode	Channel	6dB Bandwidth [MHz]	h [MHz] Limit [MHz]	
BT LE	LCH	0.6900	≥0.5	PASS
BT LE	MCH	0.6927	≥0.5	PASS
BT LE	HCH	0.6942	≥0.5	PASS

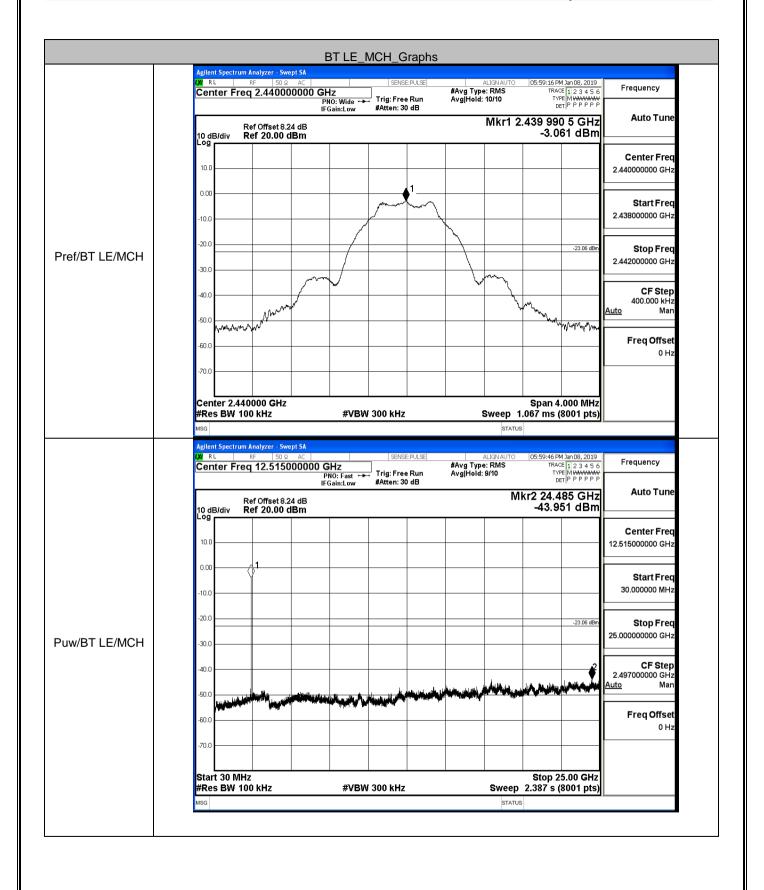


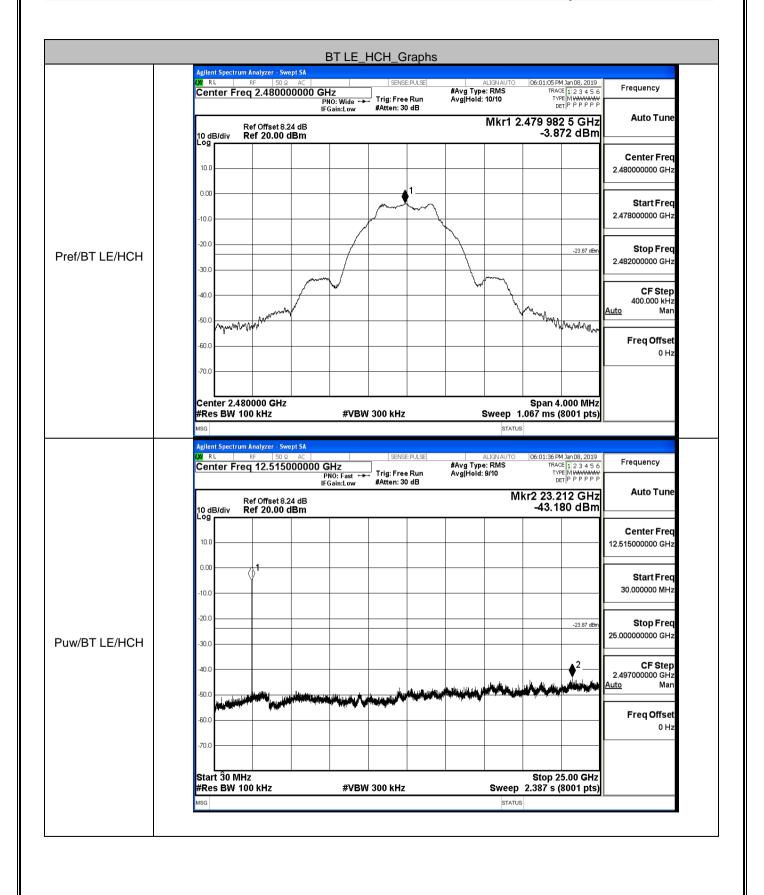
-60.0 **HCH** Center 2.48 GHz #Res BW 100 kHz Span 3 MHz Sweep 1.067 ms CF Step 300.000 kHz **#VBW** 300 kHz Man **Total Power** 3.19 dBm Occupied Bandwidth 1.0414 MHz Freq Offset -3.760 kHz **Transmit Freq Error OBW Power** 99.00 % x dB Bandwidth 694.2 kHz x dB -6.00 dB STATUS

### **B.5 RF Conducted Spurious Emissions**

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.018	-43.804	-24.018	PASS
BT LE	МСН	-3.061	-43.951	-23.061	PASS
BT LE	HCH	-3.872	-43.180	-23.872	PASS

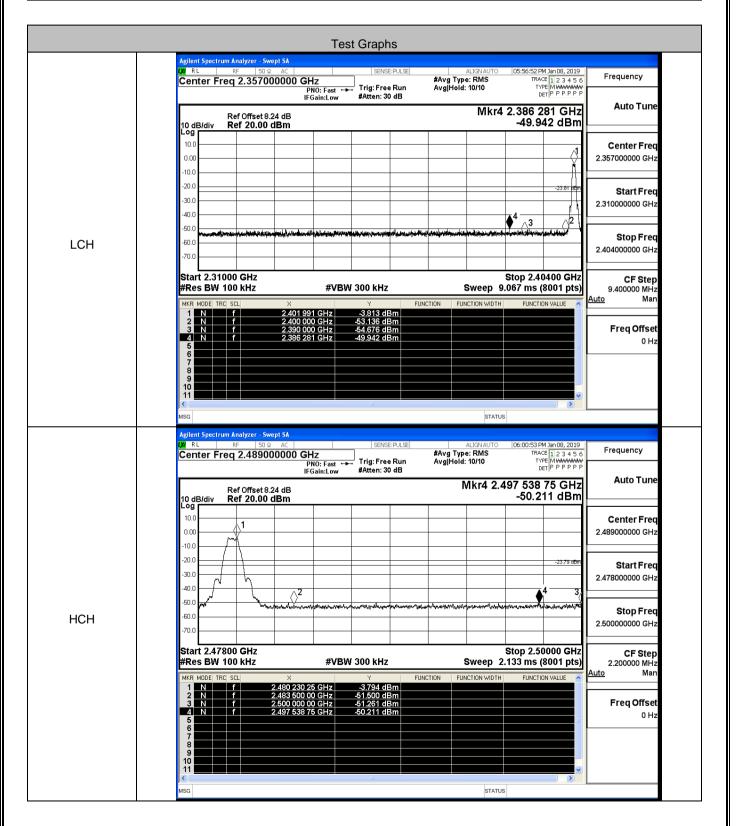






### **B.6 Band-edge for RF Conducted Emissions**

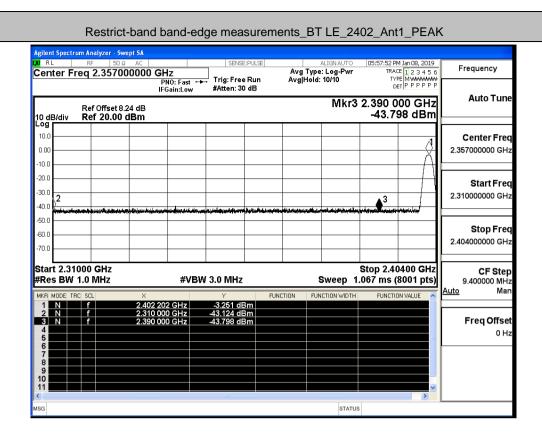
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.813	-49.942	-23.81	PASS
BT LE	HCH	-3.794	-50.211	-23.79	PASS



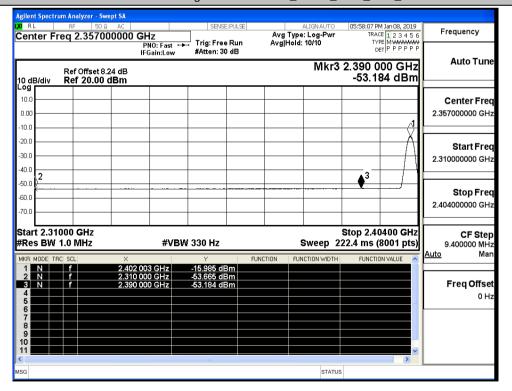
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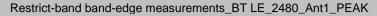
# **B.7 Restrict-band band-edge measurements**

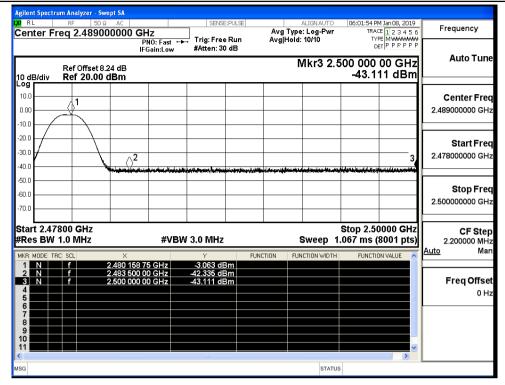
Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-43.12	4.0	0	56.14	PEAK	74	PASS
BTLE	2402	Ant1	2310.0	-53.67	4.0	0	45.59	AV	54	PASS
		Ant1	2390.0	-43.80	4.0	0	55.46	PEAK	74	PASS
		Ant1	2390.0	-53.18	4.0	0	46.08	AV	54	PASS
	2480	Ant1	2483.5	-42.34	4.0	0	56.92	PEAK	74	PASS
		Ant1	2483.5	-52.92	4.0	0	46.34	AV	54	PASS
		Ant1	2500.0	-43.11	4.0	0	56.15	PEAK	74	PASS
		Ant1	2500.0	-52.96	4.0	0	46.30	AV	54	PASS



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







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

