Appendix B

RF Test Data for BT V4.2 (LE) (Conducted Measurement)

Product Name: FreeOne

Trade Mark: **军拓** JTOUR

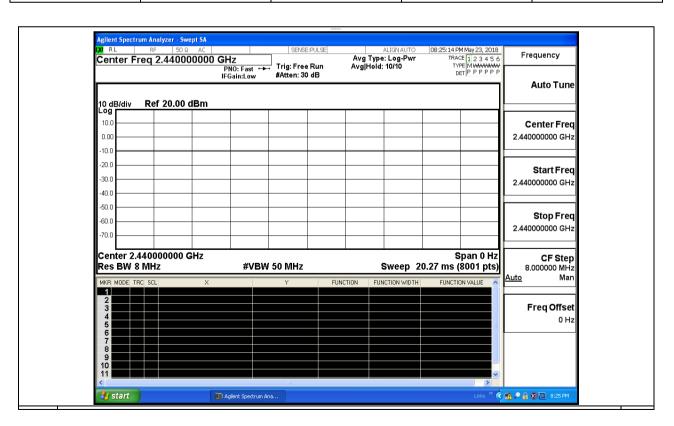
Test Model: JW600

Environmental Conditions

Temperature:	23.6 ° C
Relative Humidity:	51.3%
ATM Pressure:	100.0 kPa
Test Engineer:	WANGCHUANG
Supervised by:	Jayden.Zhuo

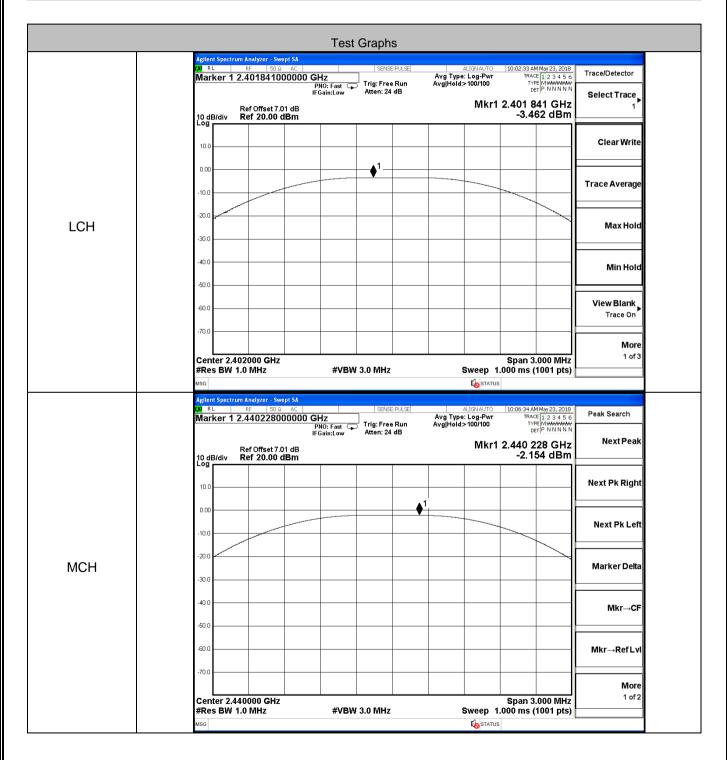
B.1 Duty Cycle

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



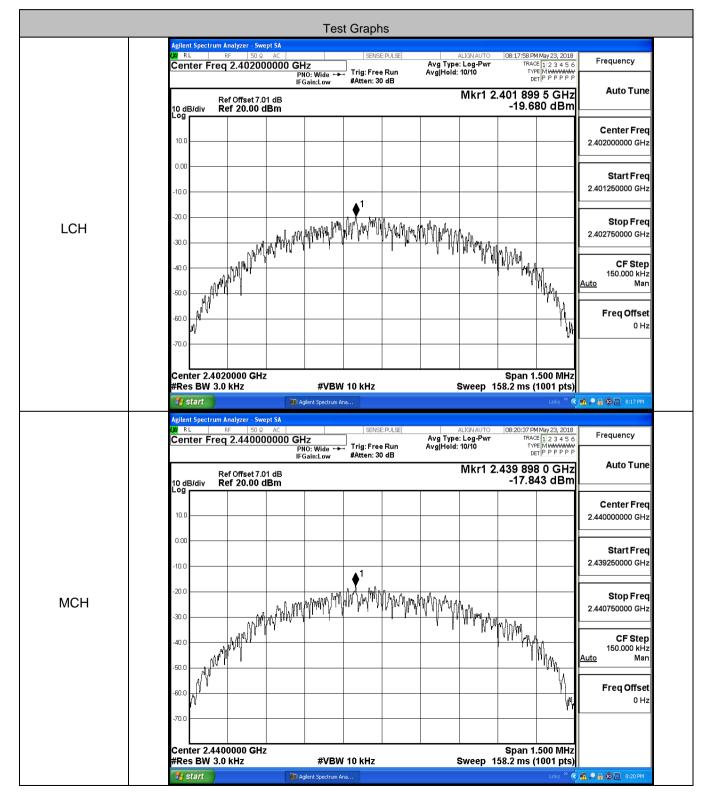
B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.462	30	PASS
BT LE	MCH	-2.154	30	PASS
BT LE	HCH	-4.412	30	PASS



B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-19.680	8	PASS
BT LE	MCH	-17.843	8	PASS
BT LE	НСН	-20.164	8	PASS



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#VBW 10 kHz

Stop Freq

CF Step 150.000 kHz

Freq Offset 0 Hz

Span 1.500 MHz Sweep 158.2 ms (1001 pts)

Man

2.480750000 GHz

40.0

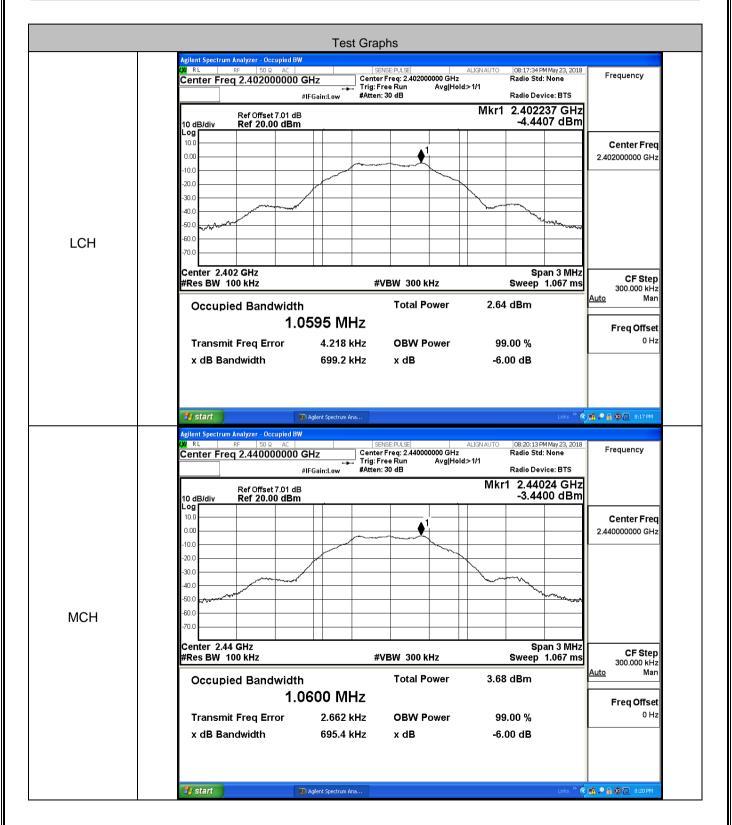
Center 2.4800000 GHz #Res BW 3.0 kHz

🥞 start

HCH

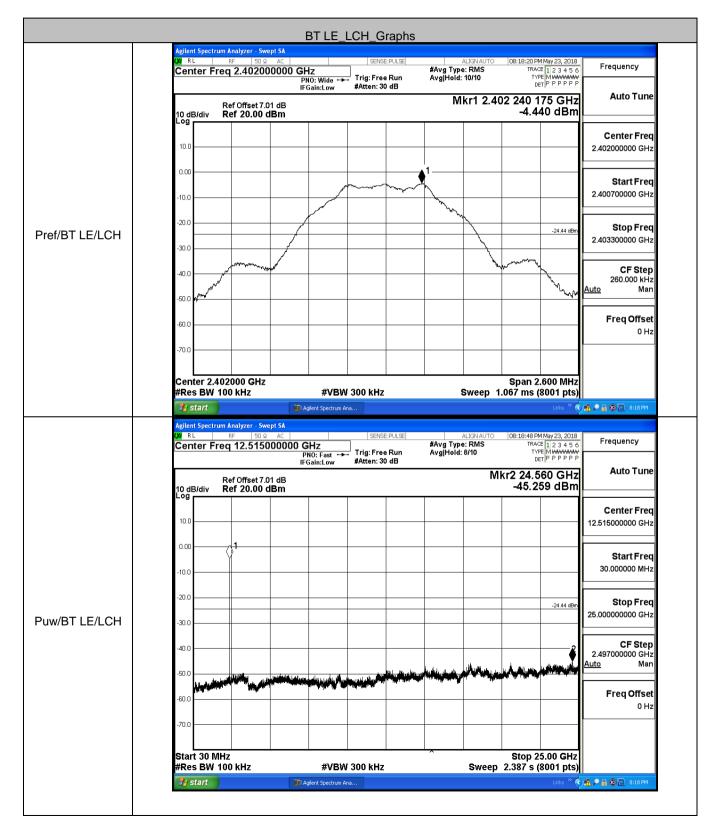
B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6992	≥0.5	PASS
BT LE	MCH	0.6954	≥0.5	PASS
BT LE	HCH	0.6824	≥0.5	PASS

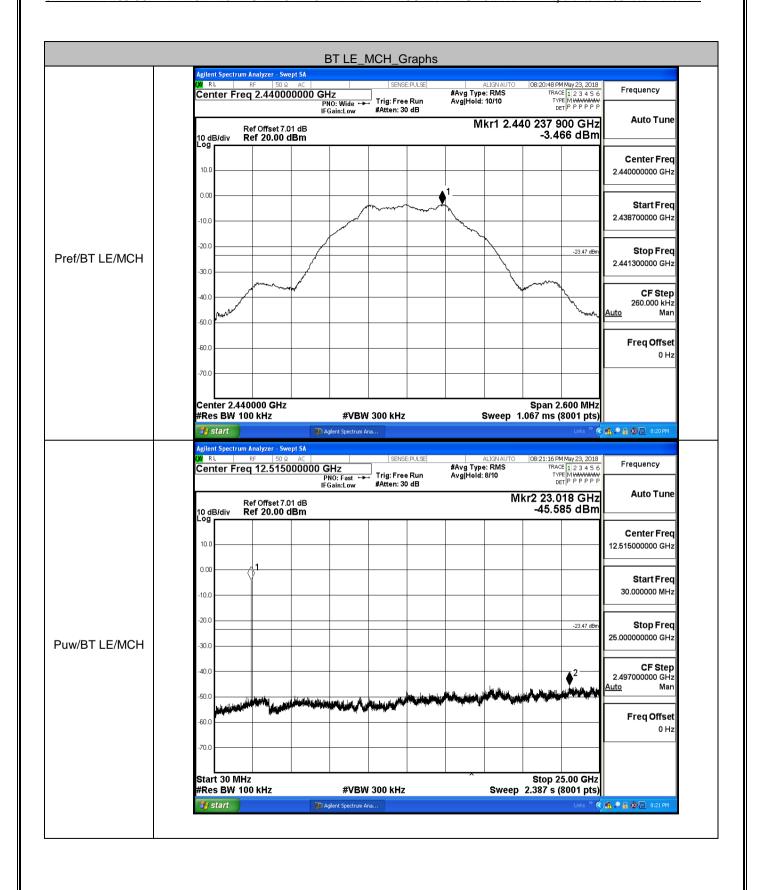


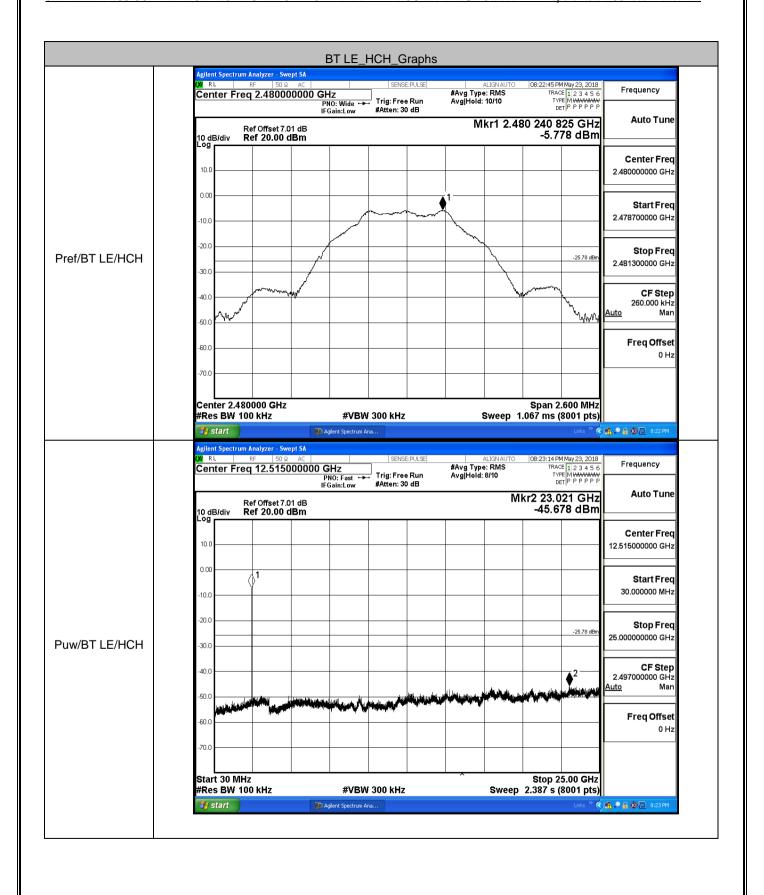
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.44	-45.259	-24.440	PASS
BT LE	мсн	-3.466	-45.585	-23.466	PASS
BT LE	НСН	-5.778	-45.678	-25.778	PASS



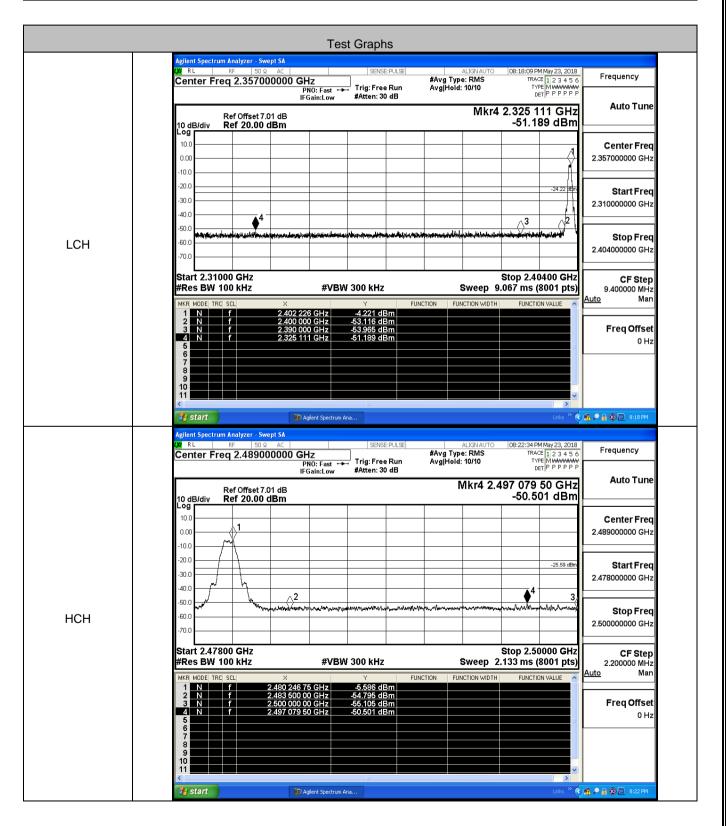
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B.6 Band-edge for RF Conducted Emissions

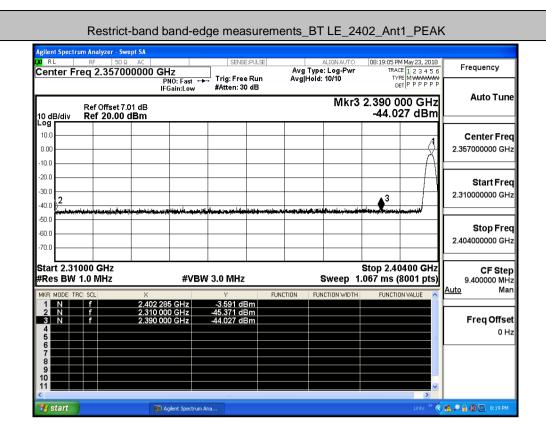
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.221	-51.189	-24.22	PASS
BT LE	HCH	-5.586	-50.501	-25.59	PASS



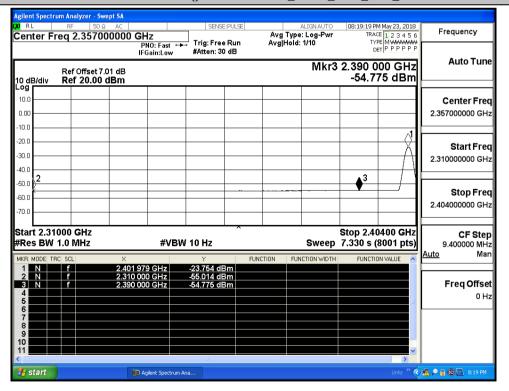
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B.7 Restrict-band band-edge measurements

Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-45.37	2.0	0	51.86	PEAK	74	PASS
	2402	Ant1	2310.0	-55.01	2.0	0	42.21	AV	54	PASS
BT LE		Ant1	2390.0	-44.03	2.0	0	53.20	PEAK	74	PASS
		Ant1	2390.0	-54.78	2.0	0	42.45	AV	54	PASS
		Ant1	2483.5	-44.86	2.0	0	52.37	PEAK	74	PASS
		Ant1	2483.5	-54.51	2.0	0	42.72	AV	54	PASS
	2480	Ant1	2500.0	-44.00	2.0	0	53.23	PEAK	74	PASS
		Ant1	2500.0	-54.35	2.0	0	42.88	AV	54	PASS

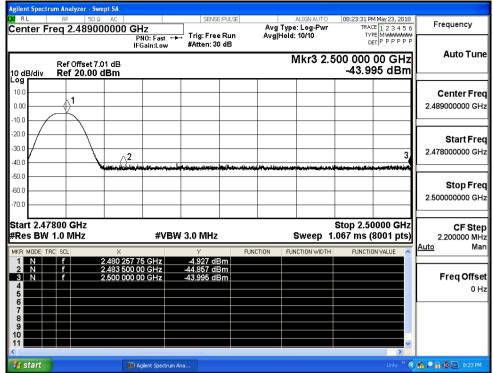


Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



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Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

