

Appendix B

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

Product Name: FreeOne

Trade Mark:  军拓 JTOUR

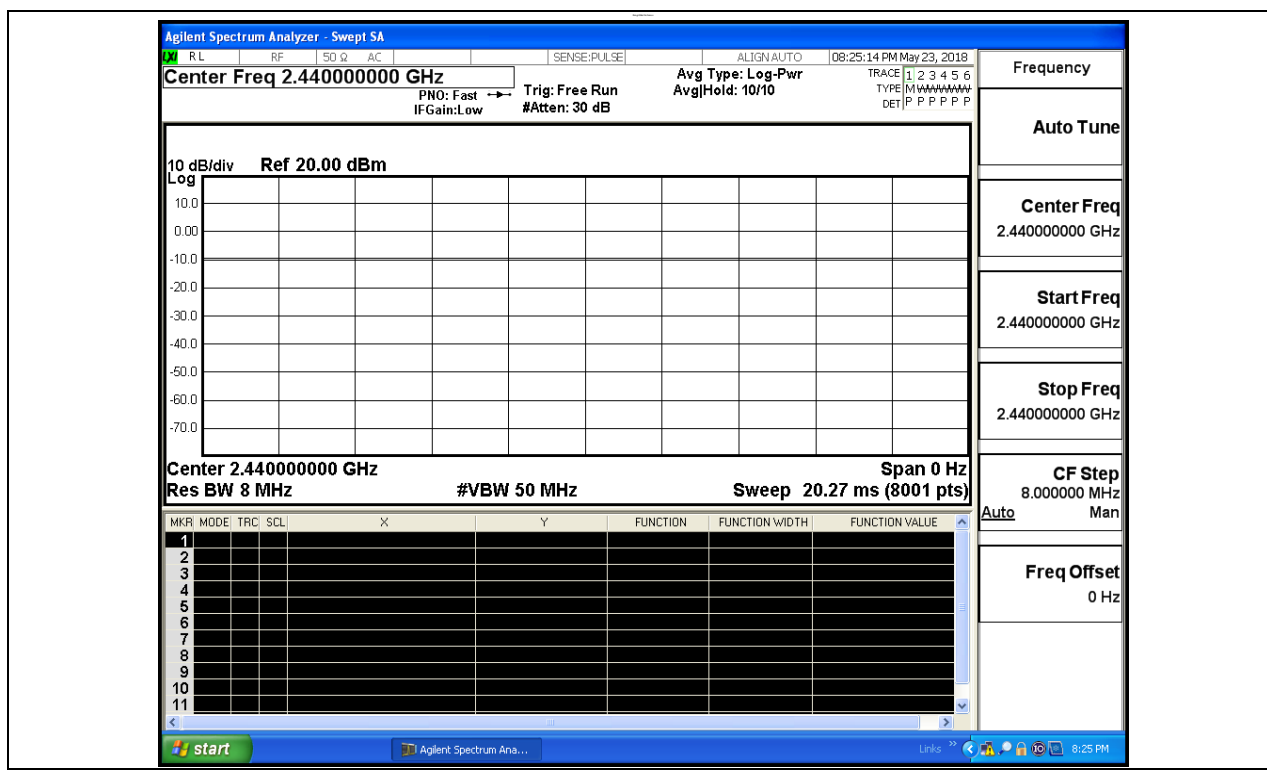
Test Model: JW600

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

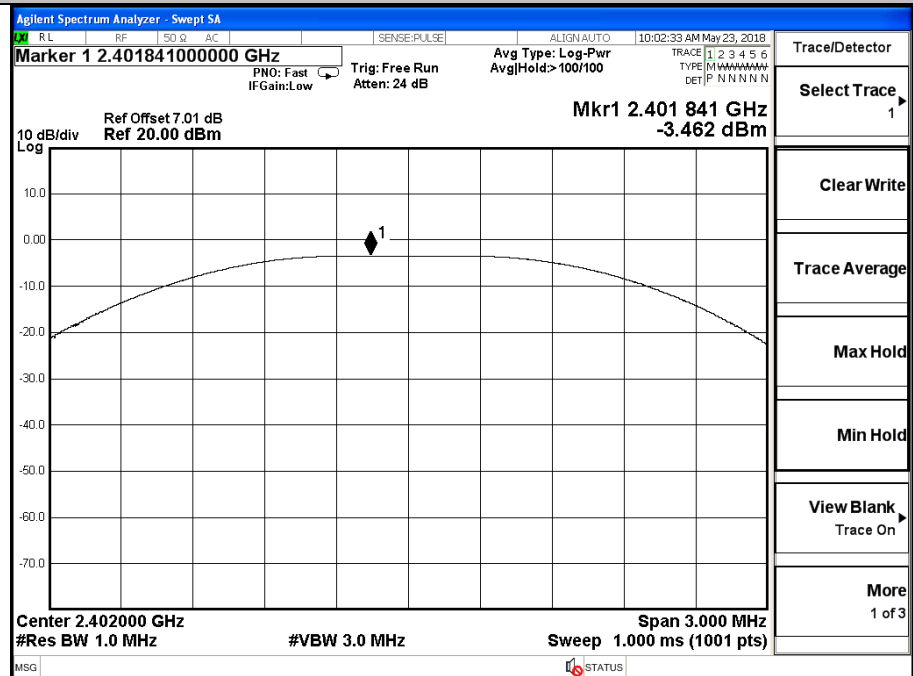


B.2 Maximum Conducted Peak Output Power

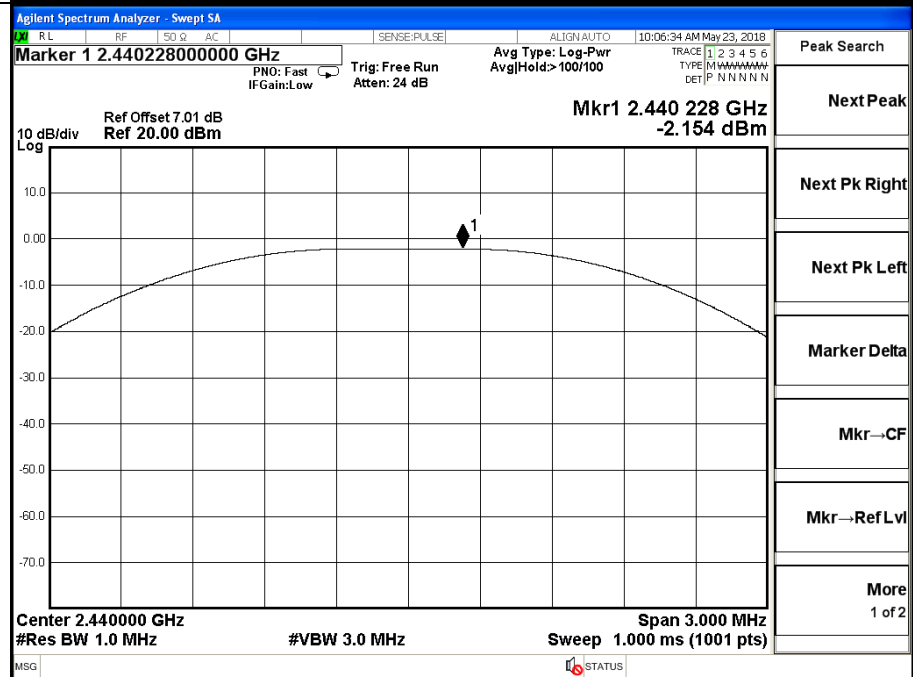
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.462	30	PASS
BT LE	MCH	-2.154	30	PASS
BT LE	HCH	-4.412	30	PASS

Test Graphs

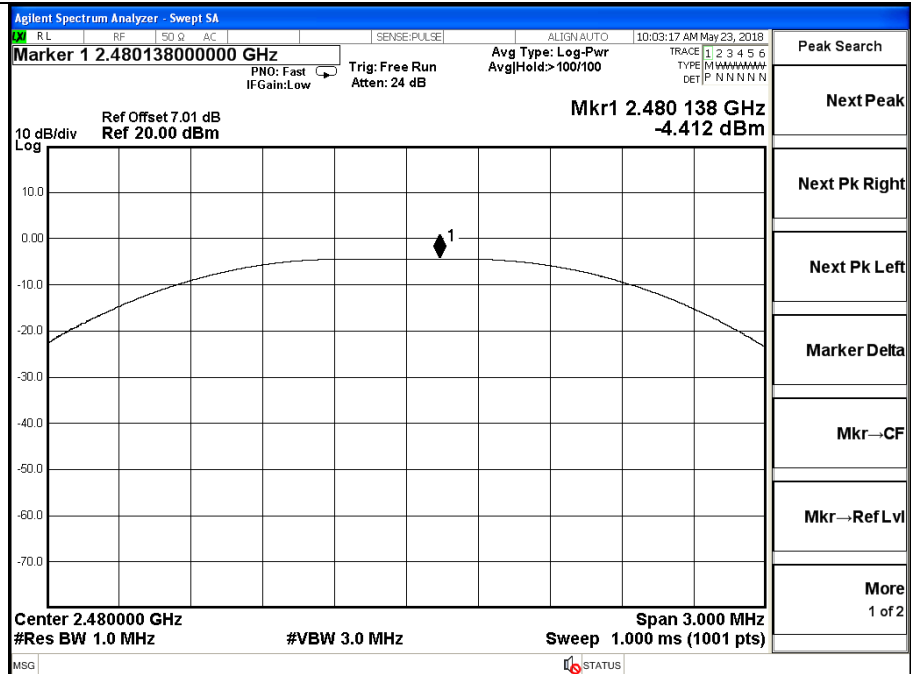
LCH



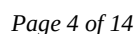
MCH



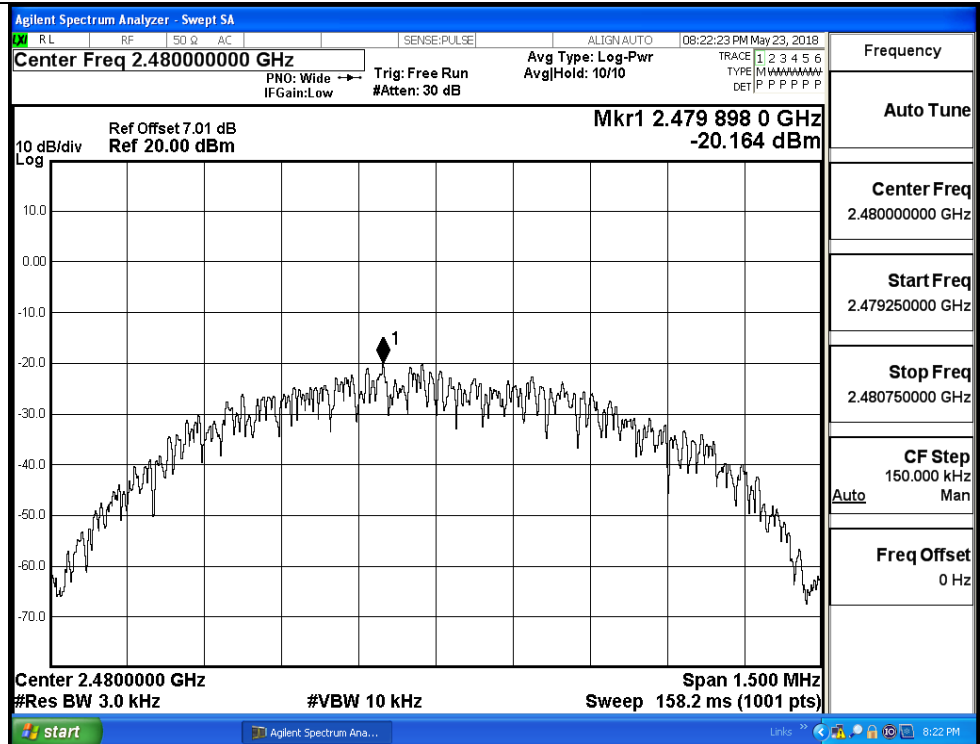
HCH



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	HCH	-20.164	8	PASS



HCH

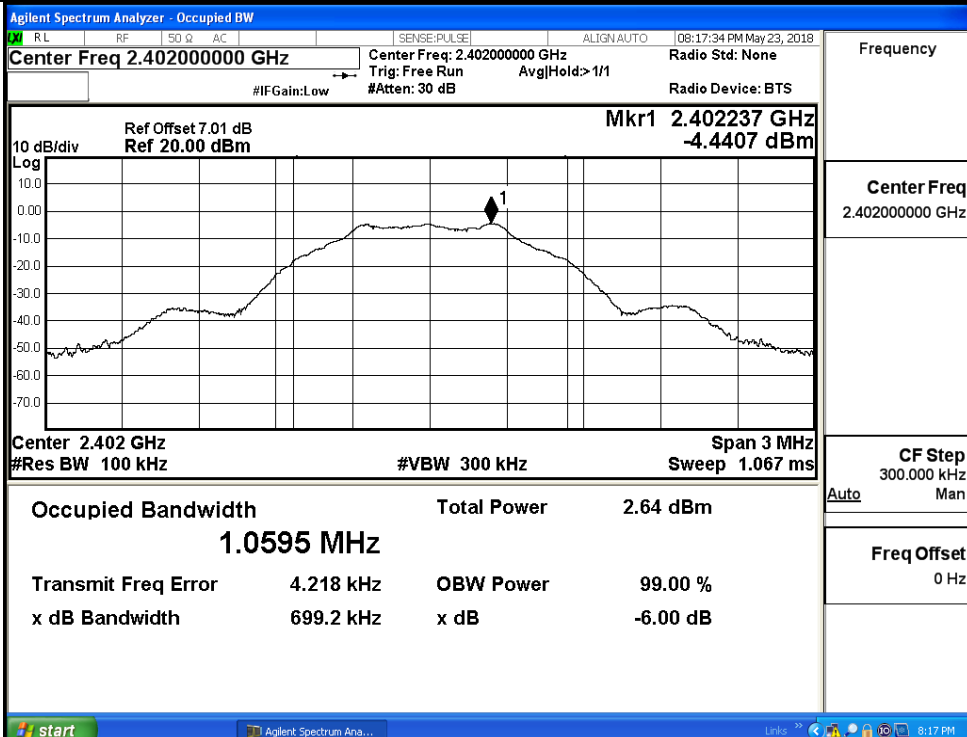


B.4 6dB Bandwidth

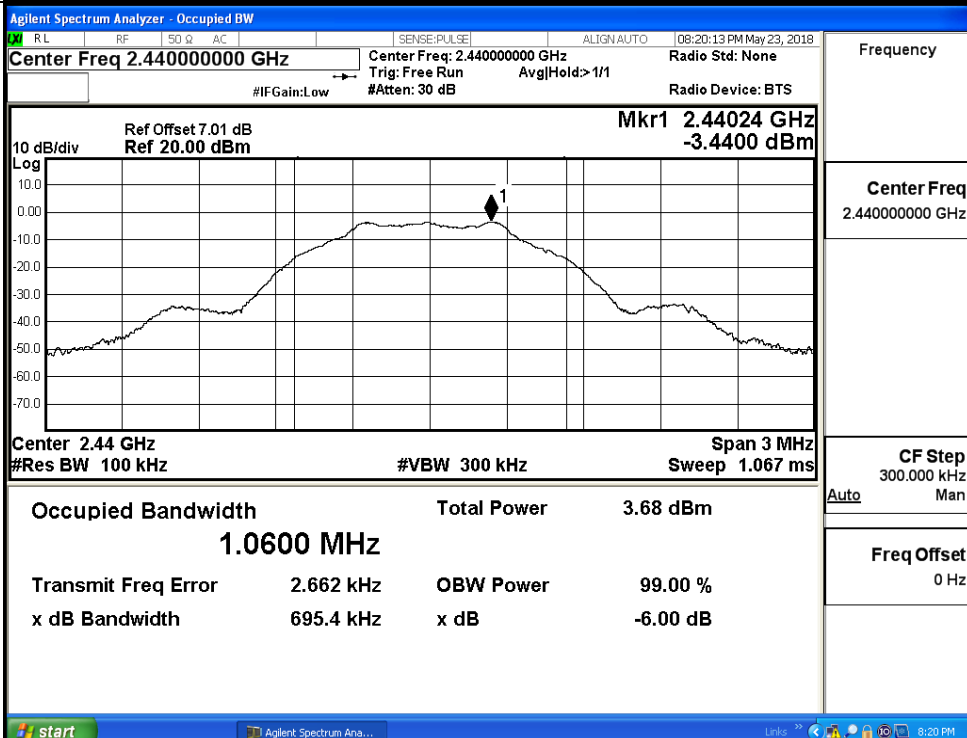
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6992	≥ 0.5	PASS
BT LE	MCH	0.6954	≥ 0.5	PASS
BT LE	HCH	0.6824	≥ 0.5	PASS

Test Graphs

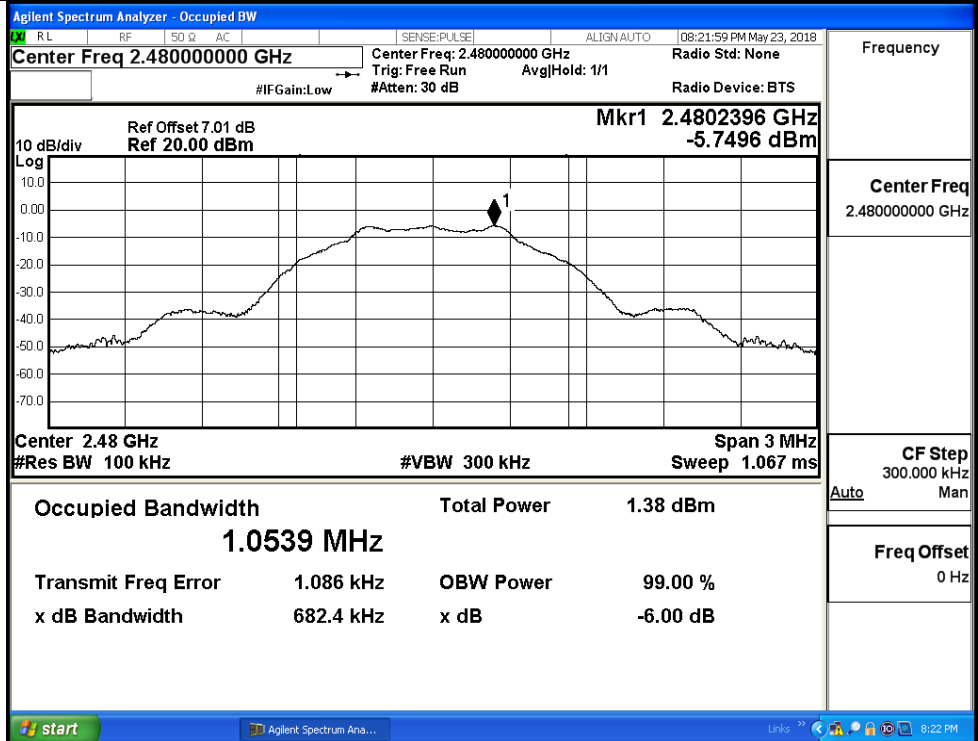
LCH



MCH



HCH

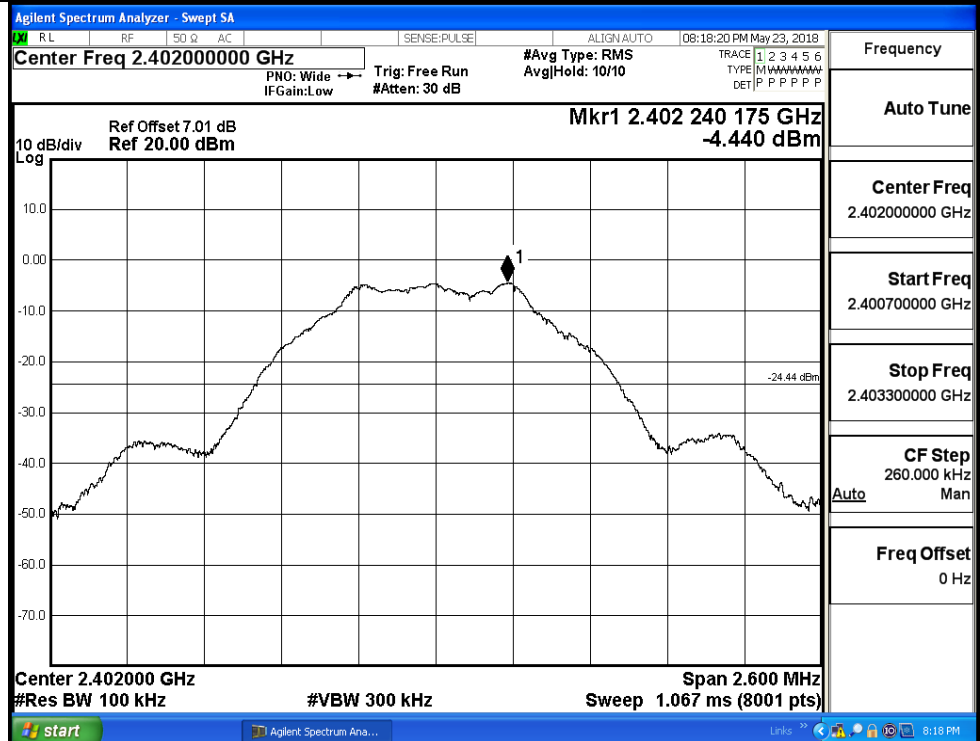


B.5 RF Conducted Spurious Emissions

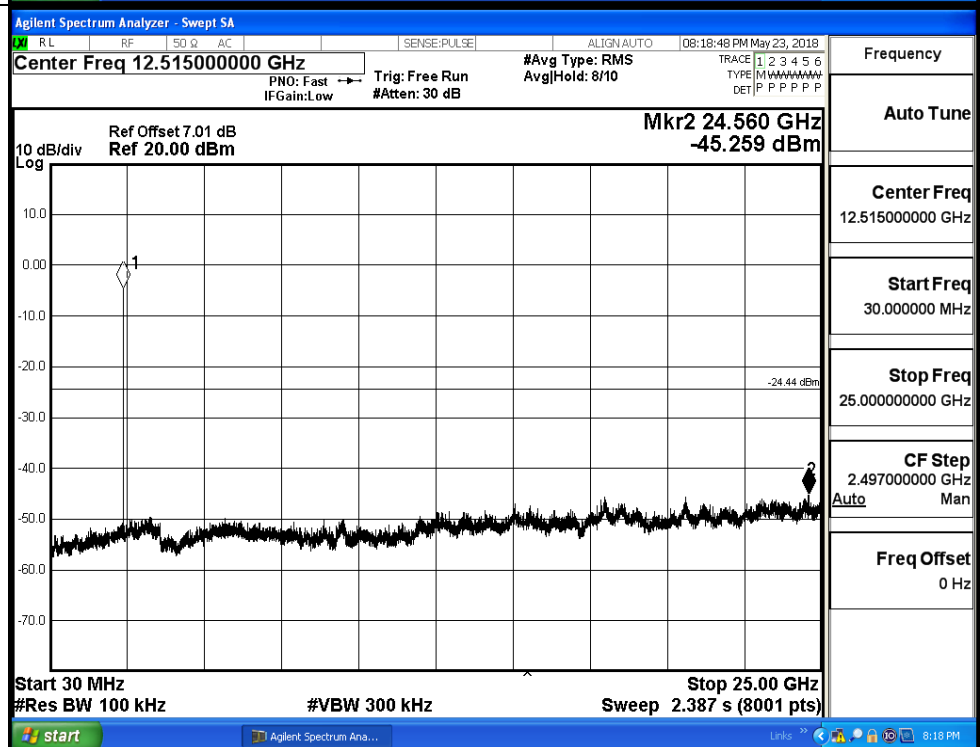
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.44	-45.259	-24.440	PASS
BT LE	MCH	-3.466	-45.585	-23.466	PASS
BT LE	HCH	-5.778	-45.678	-25.778	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

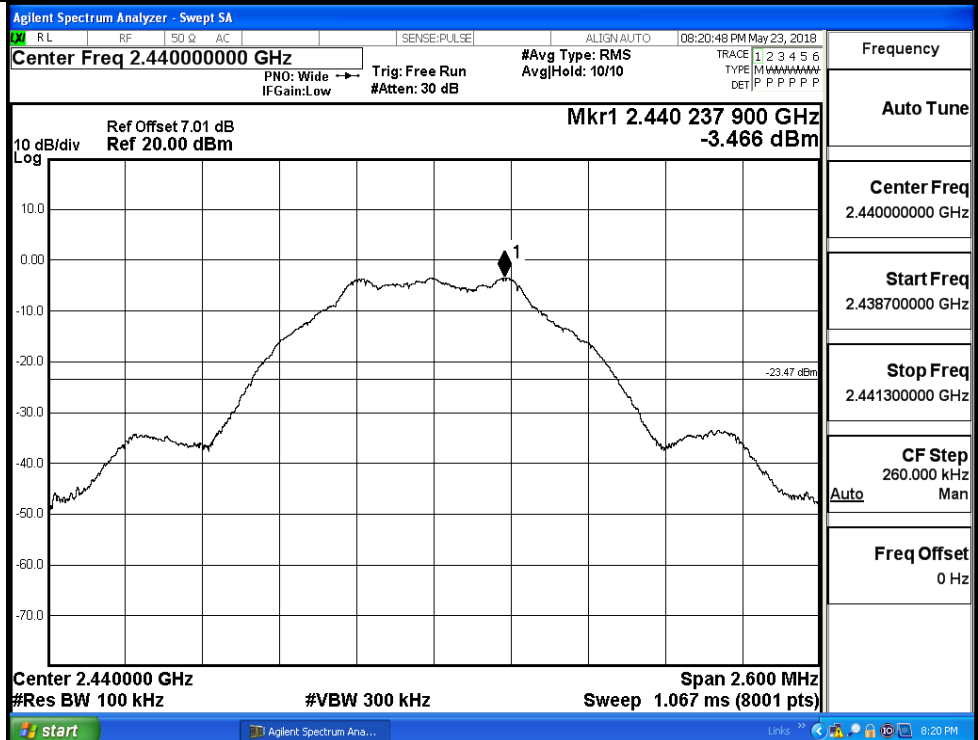


Puw/BT LE/LCH

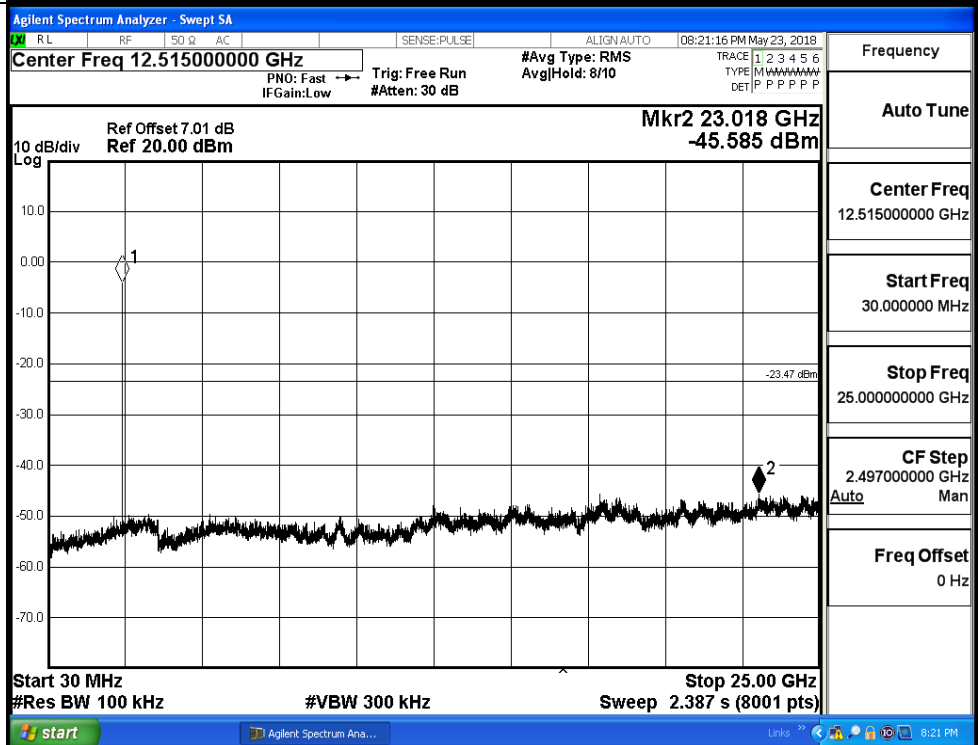


BT LE MCH Graphs

Pref/BT LE/MCH

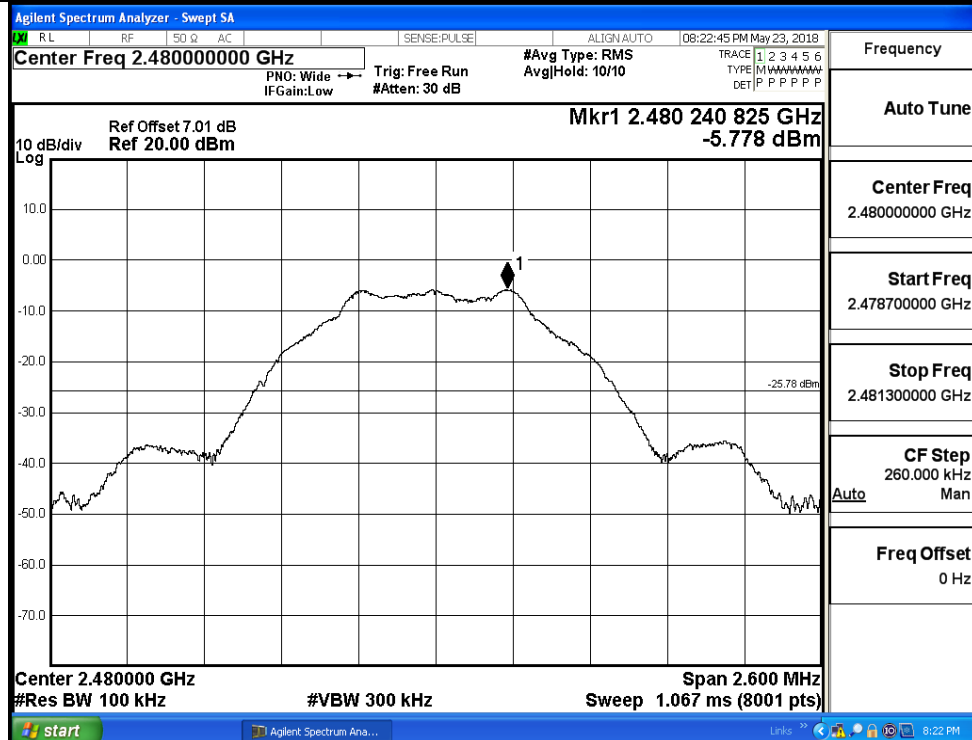


Puw/BT LE/MCH

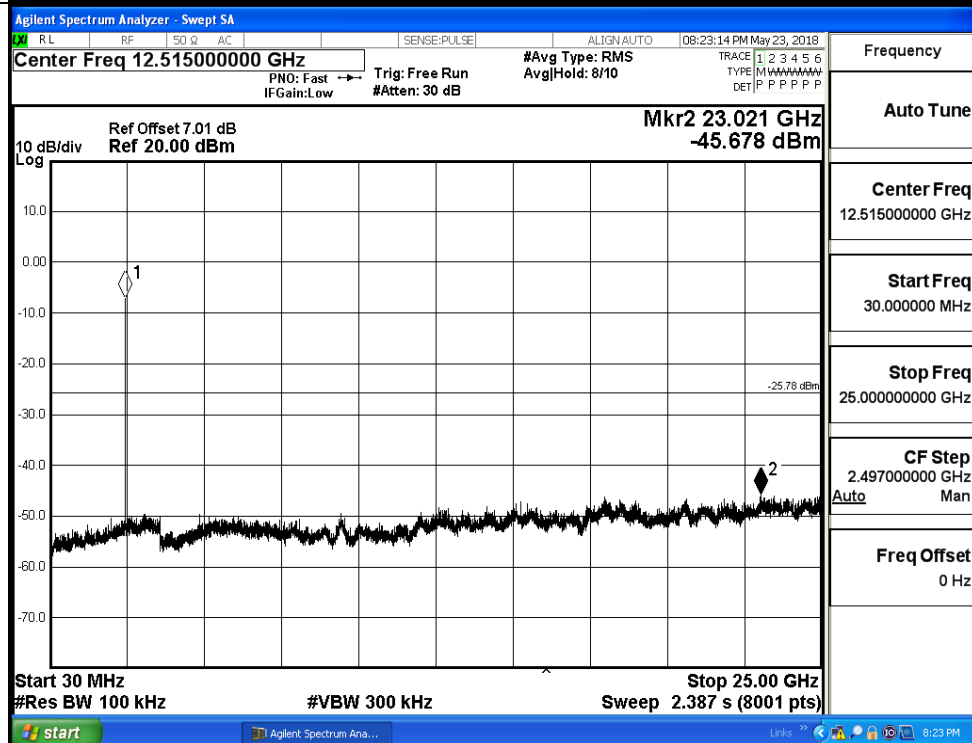


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

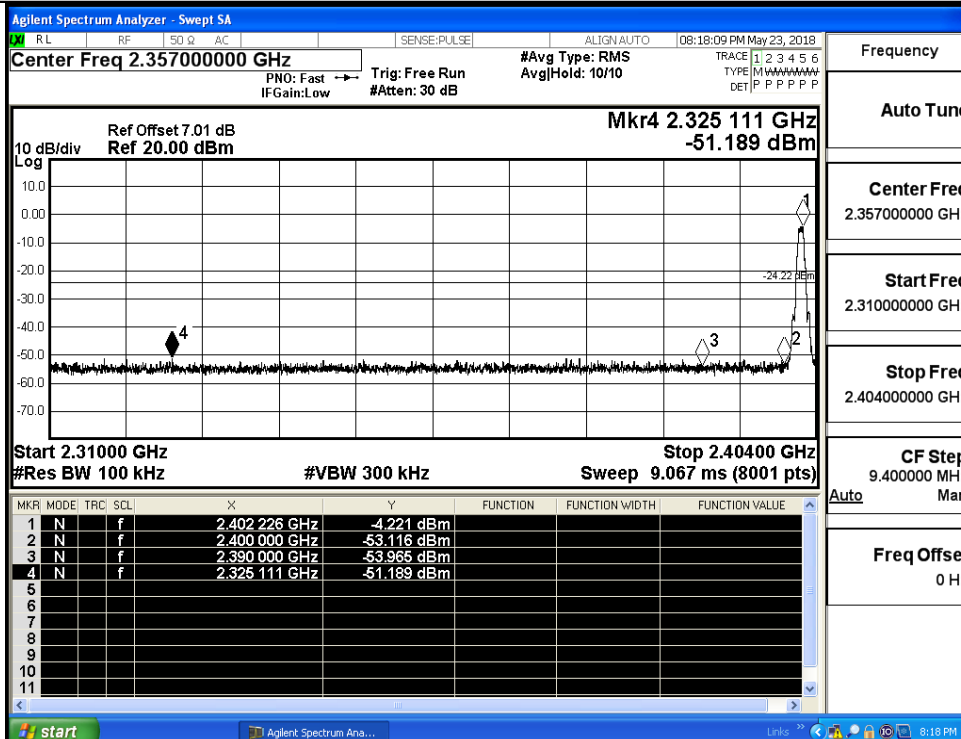


B.6 Band-edge for RF Conducted Emissions

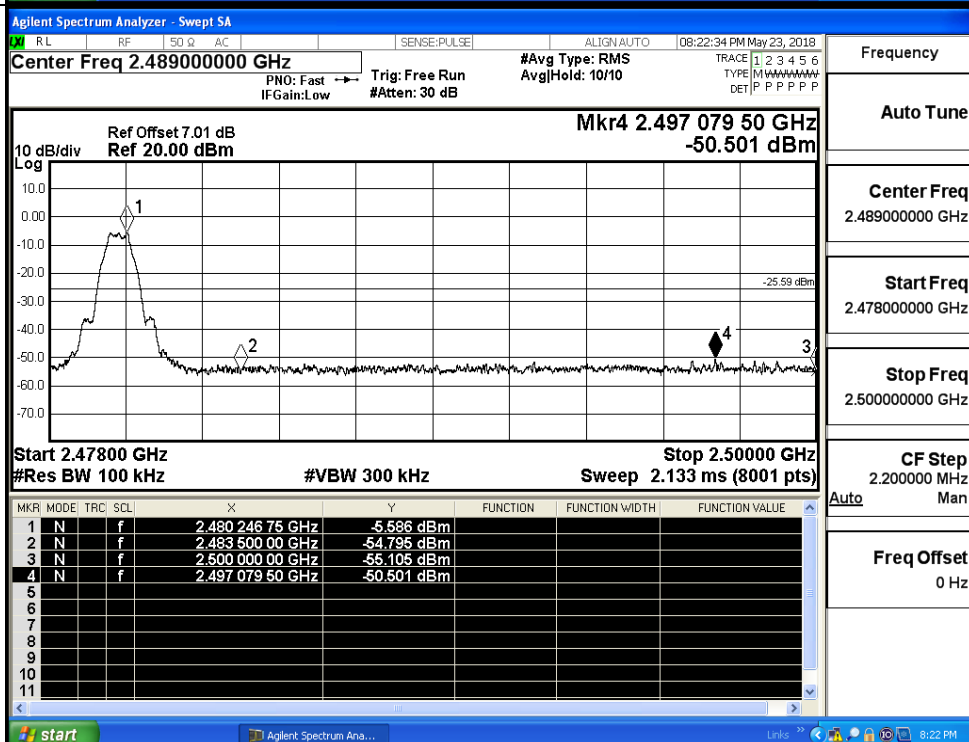
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.221	-51.189	-24.22	PASS
BT LE	HCH	-5.586	-50.501	-25.59	PASS

Test Graphs

LCH



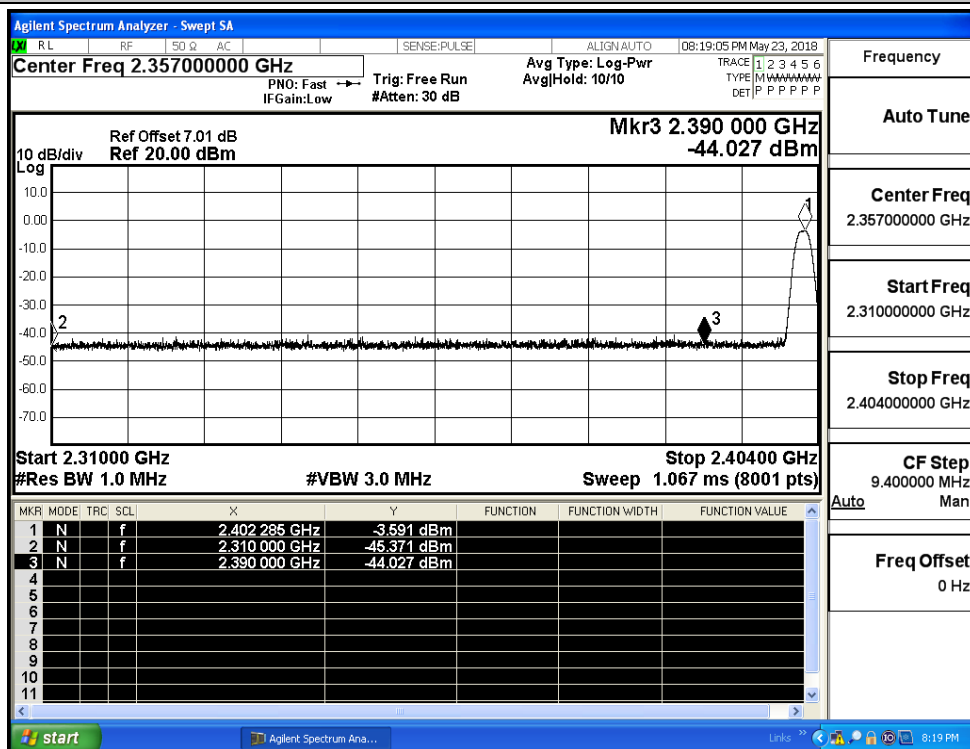
HCH



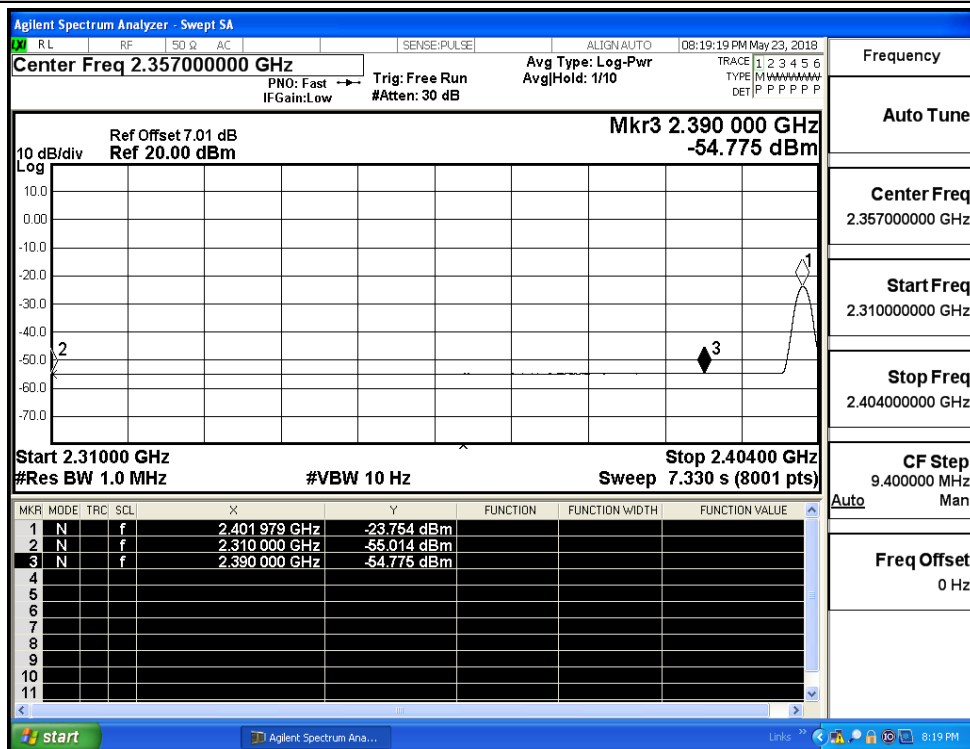
B.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-45.37	2.0	0	51.86	PEAK	74	PASS
		Ant1	2310.0	-55.01	2.0	0	42.21	AV	54	PASS
		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
	2480	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
		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

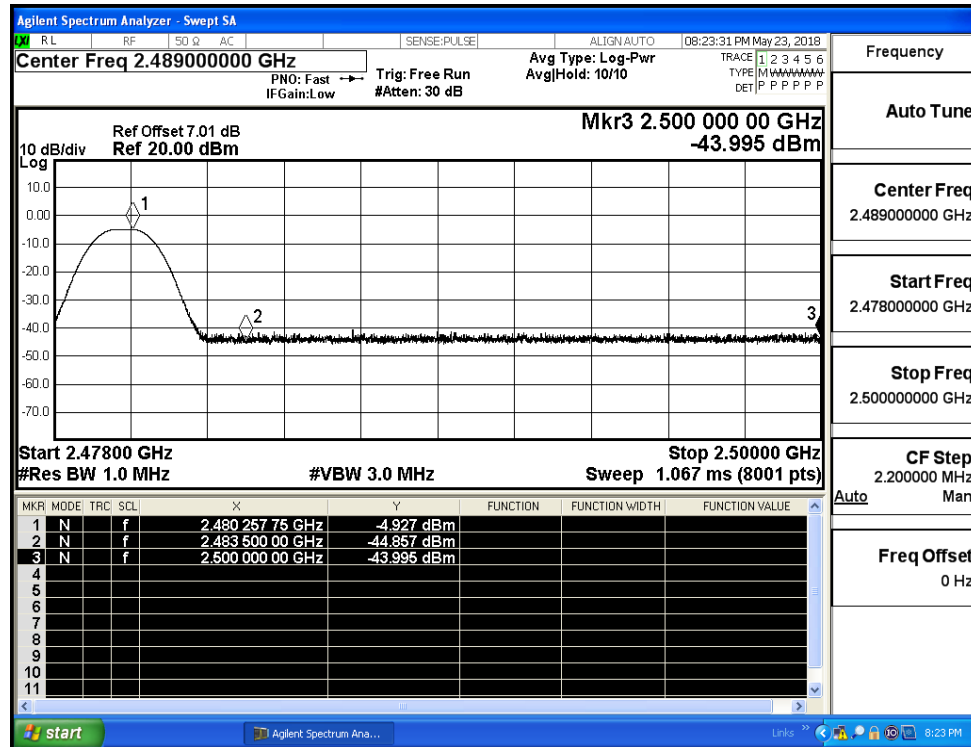
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

