

Appendix B

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

Product Name: VIGOR 5X

Trade Mark:  军拓 JTOUR

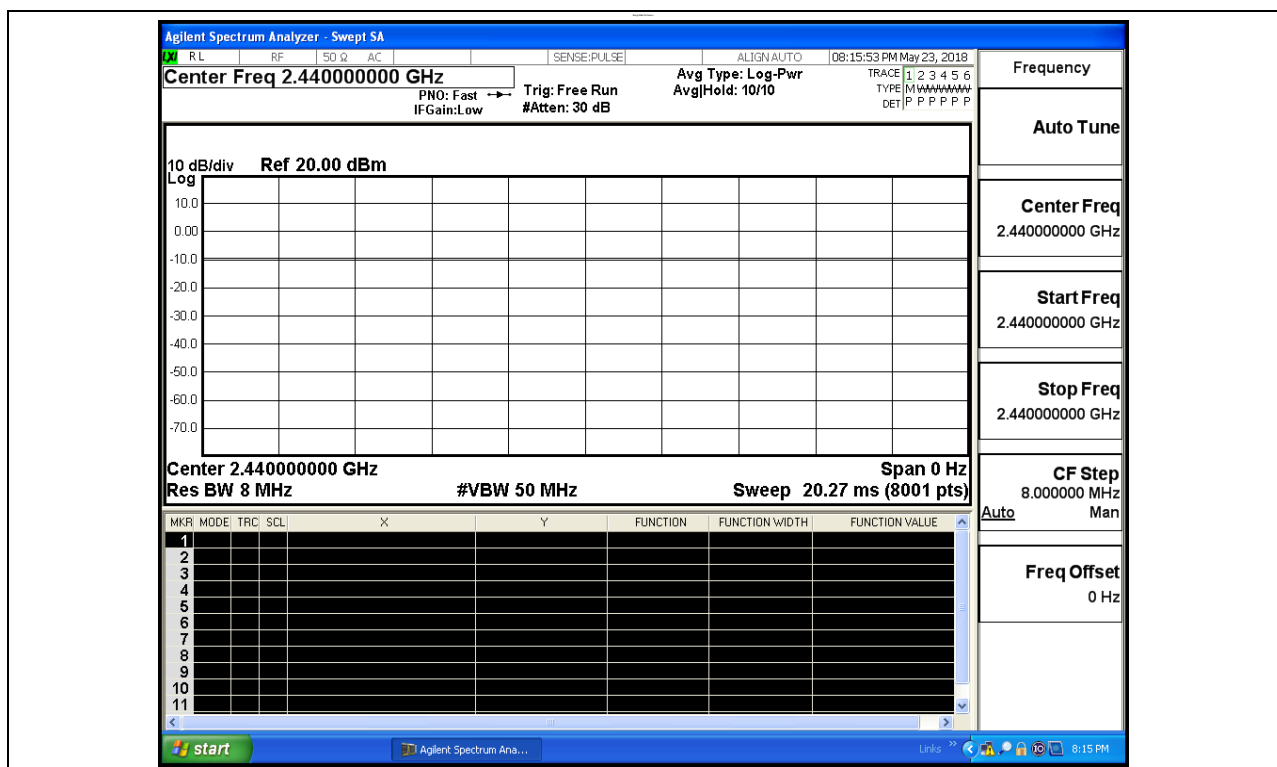
Test Model: JW910

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

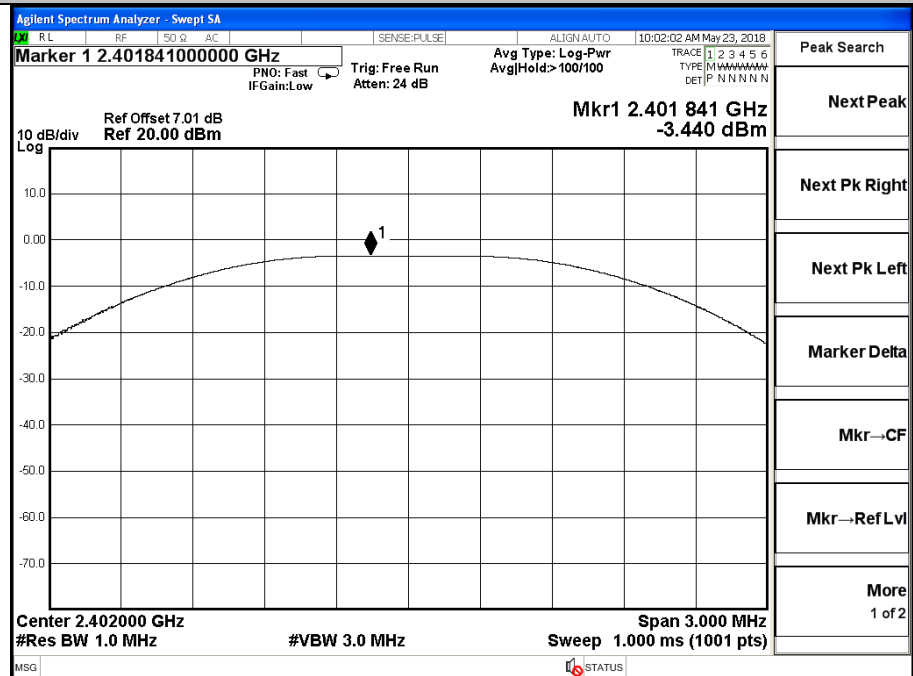


B.2 Maximum Conducted Peak Output Power

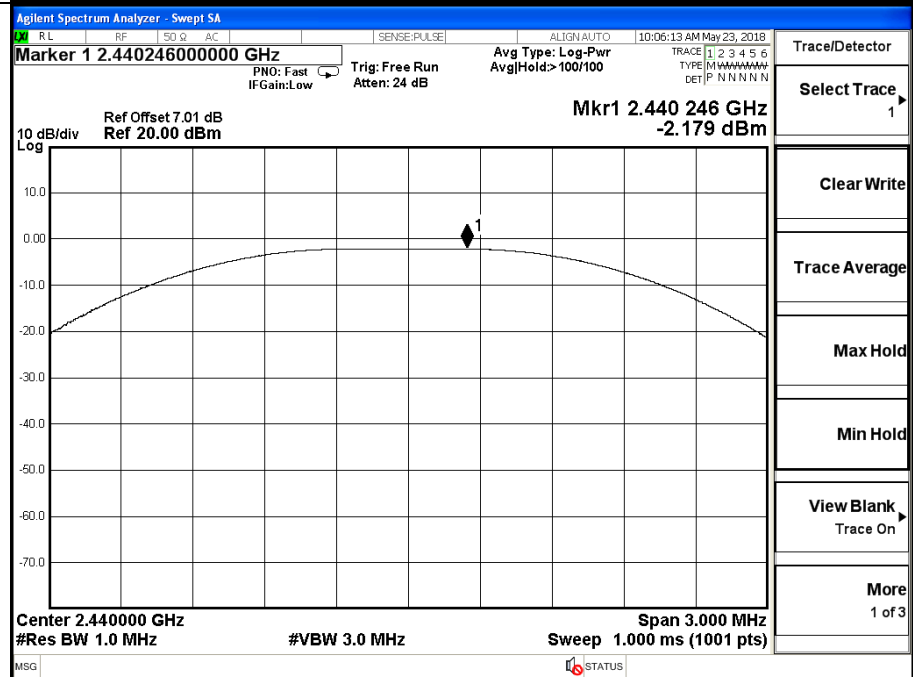
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.440	30	PASS
BT LE	MCH	-2.179	30	PASS
BT LE	HCH	-4.398	30	PASS

Test Graphs

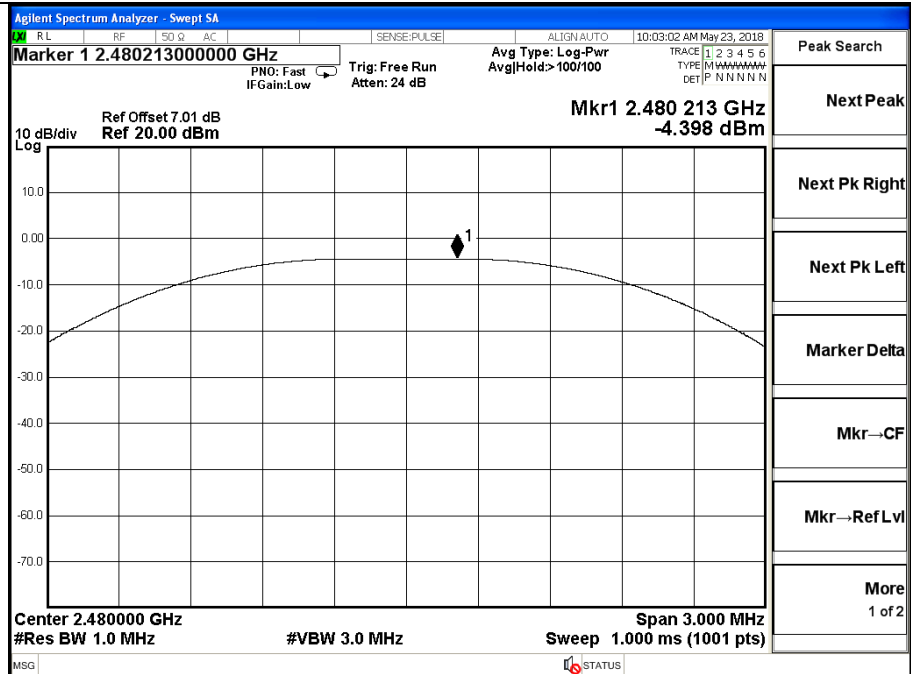
LCH



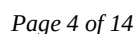
MCH



HCH



Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-18.940	8	PASS
BT LE	MCH	-17.975	8	PASS
BT LE	HCH	-20.141	8	PASS

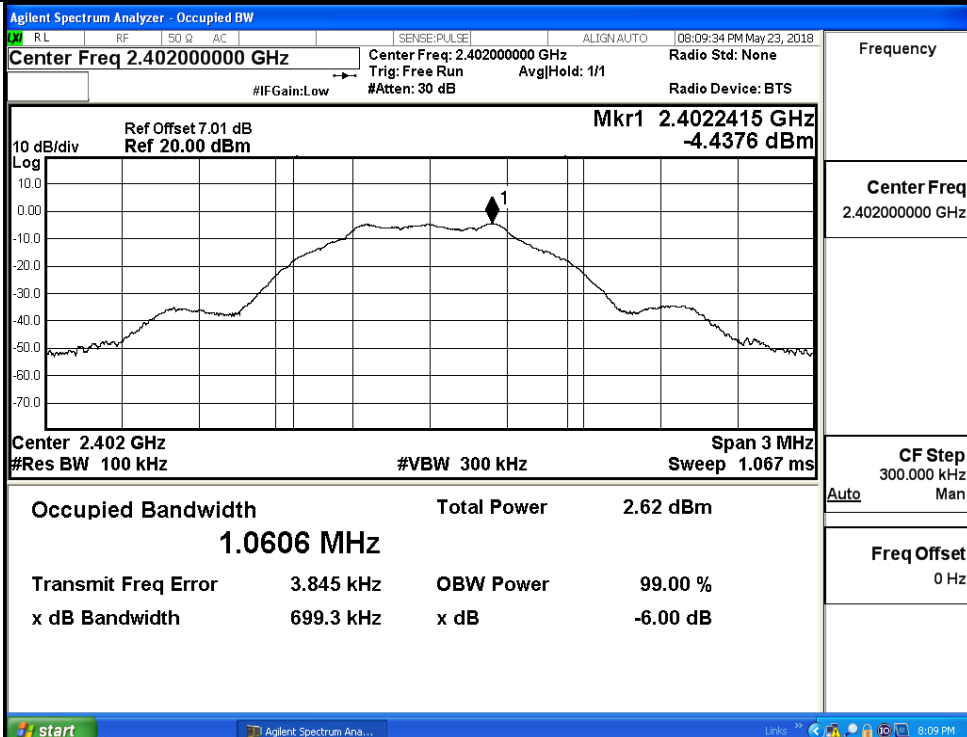


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6993	≥ 0.5	PASS
BT LE	MCH	0.7075	≥ 0.5	PASS
BT LE	HCH	0.6910	≥ 0.5	PASS

Test Graphs

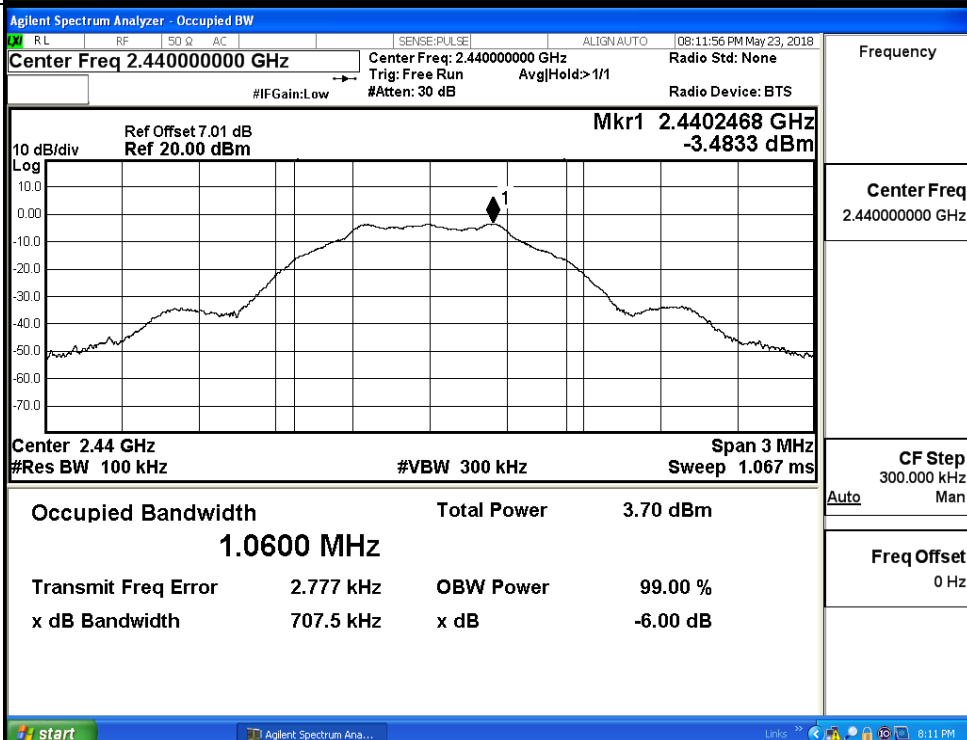
LCH



Frequency

Center Freq
2.402000000 GHzCF Step
300.000 kHz
Auto ManFreq Offset
0 Hz

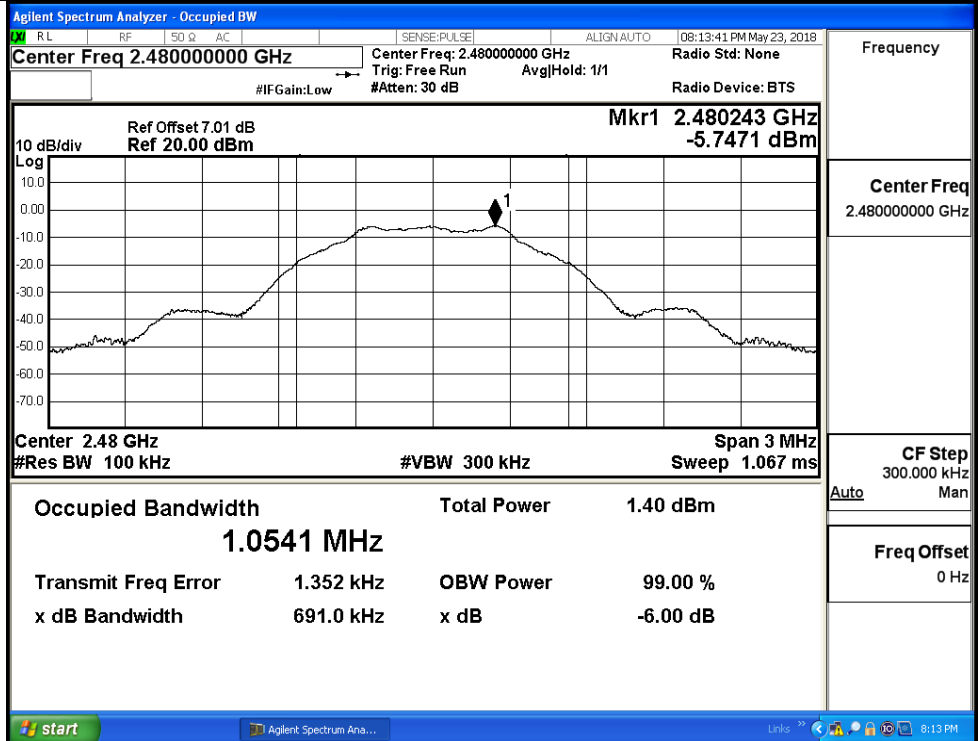
MCH



Frequency

Center Freq
2.440000000 GHzCF Step
300.000 kHz
Auto ManFreq Offset
0 Hz

HCH

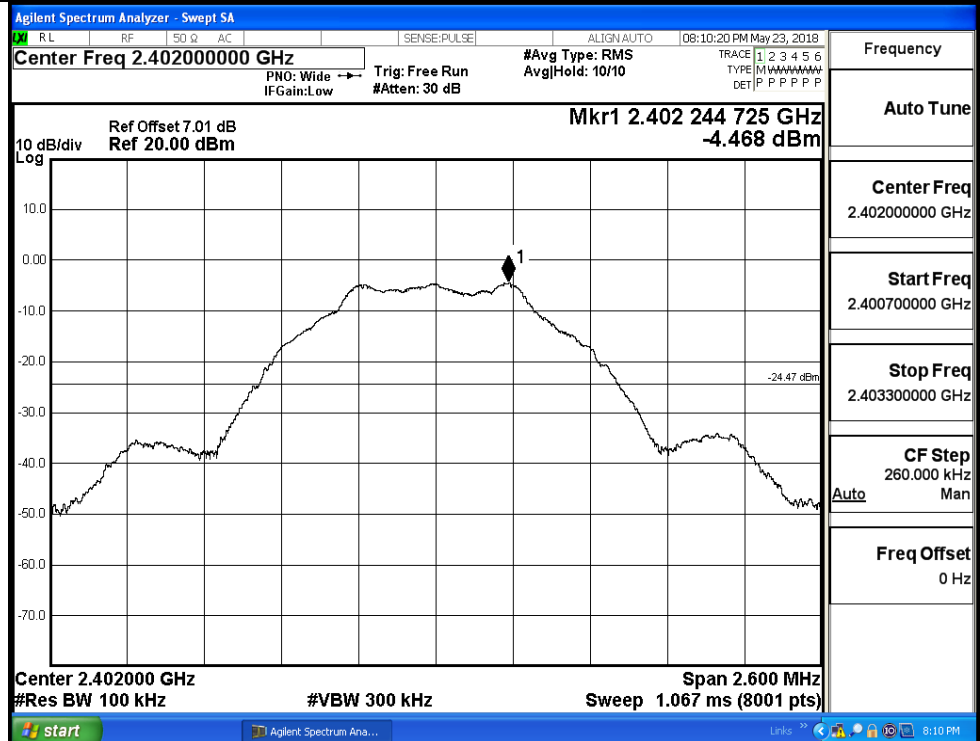


B.5 RF Conducted Spurious Emissions

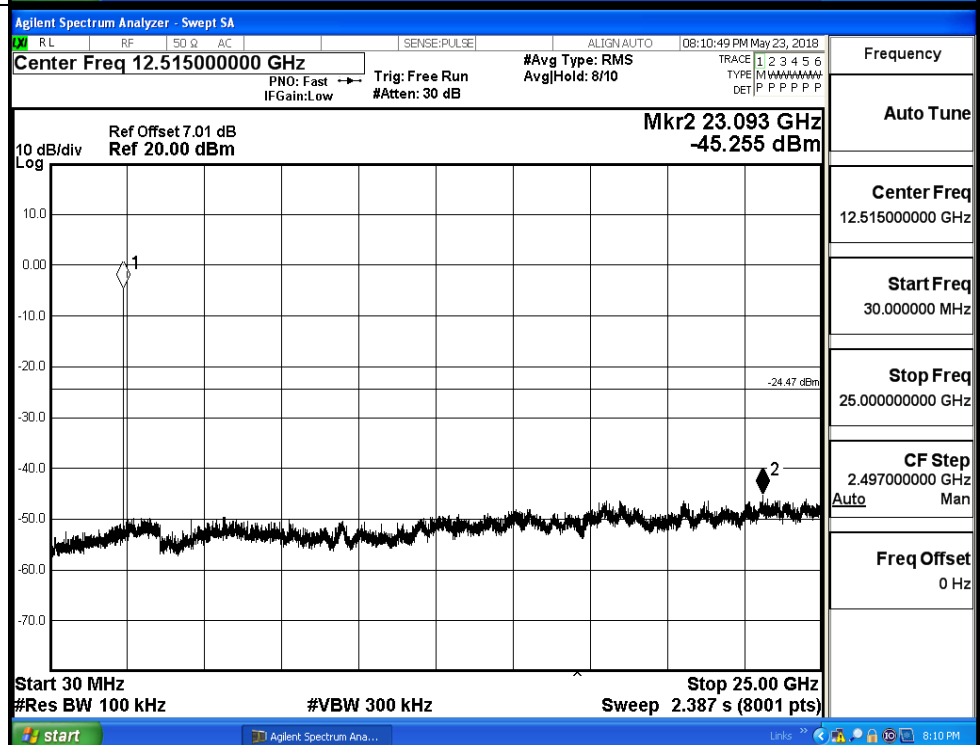
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.468	-45.255	-24.468	PASS
BT LE	MCH	-3.445	-44.341	-23.445	PASS
BT LE	HCH	-5.778	-45.283	-25.778	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

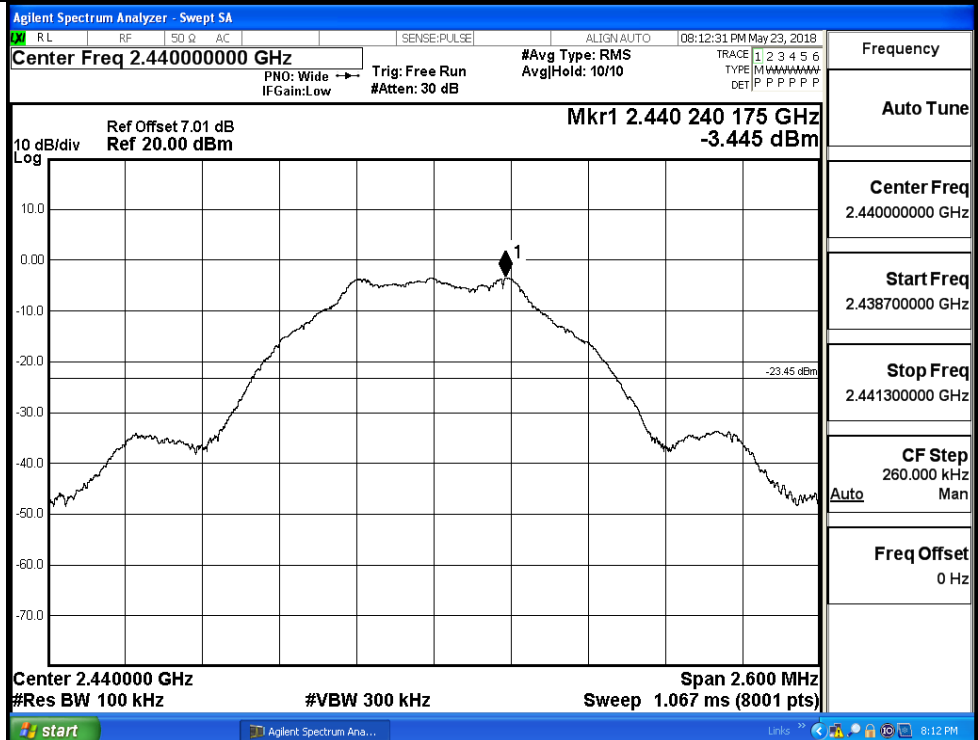


Puw/BT LE/LCH

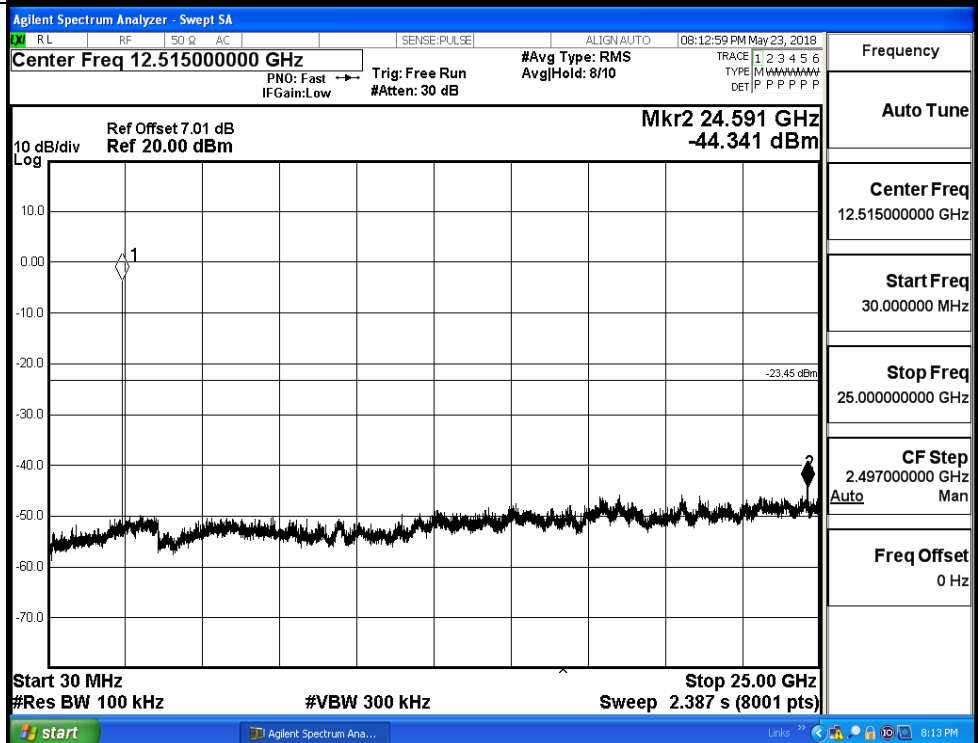


BT LE MCH Graphs

Pref/BT LE/MCH

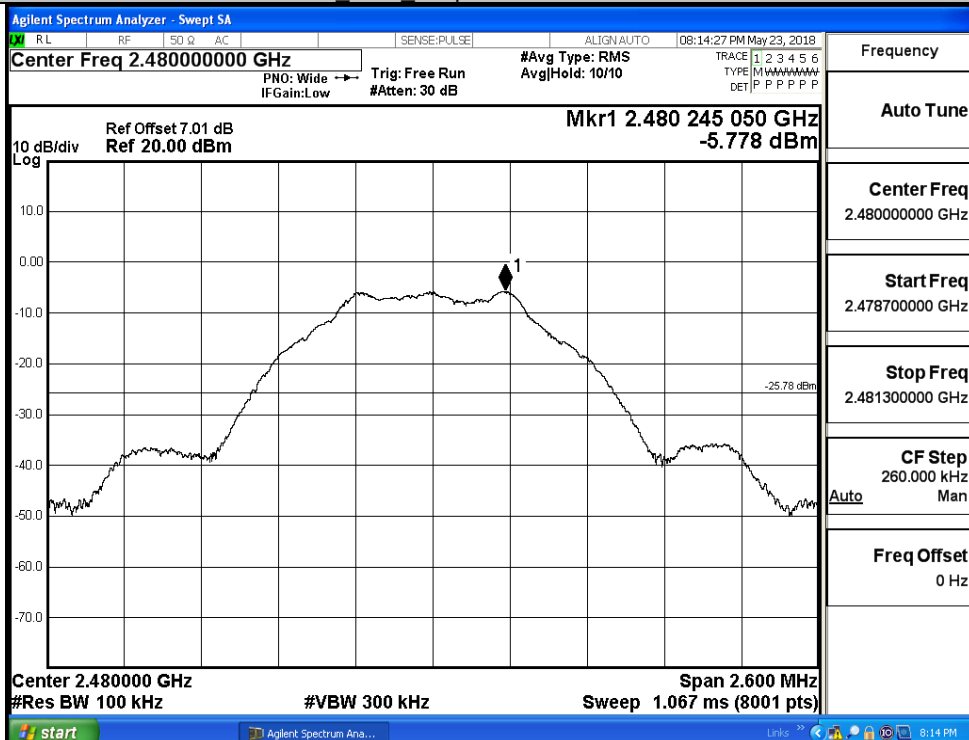


Puw/BT LE/MCH

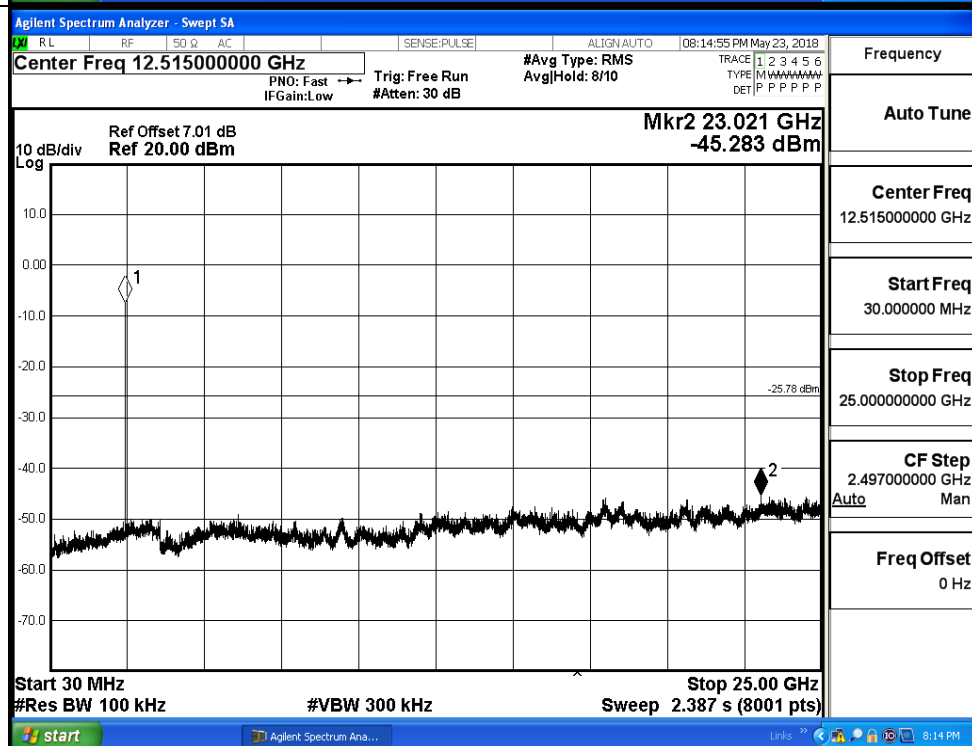


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

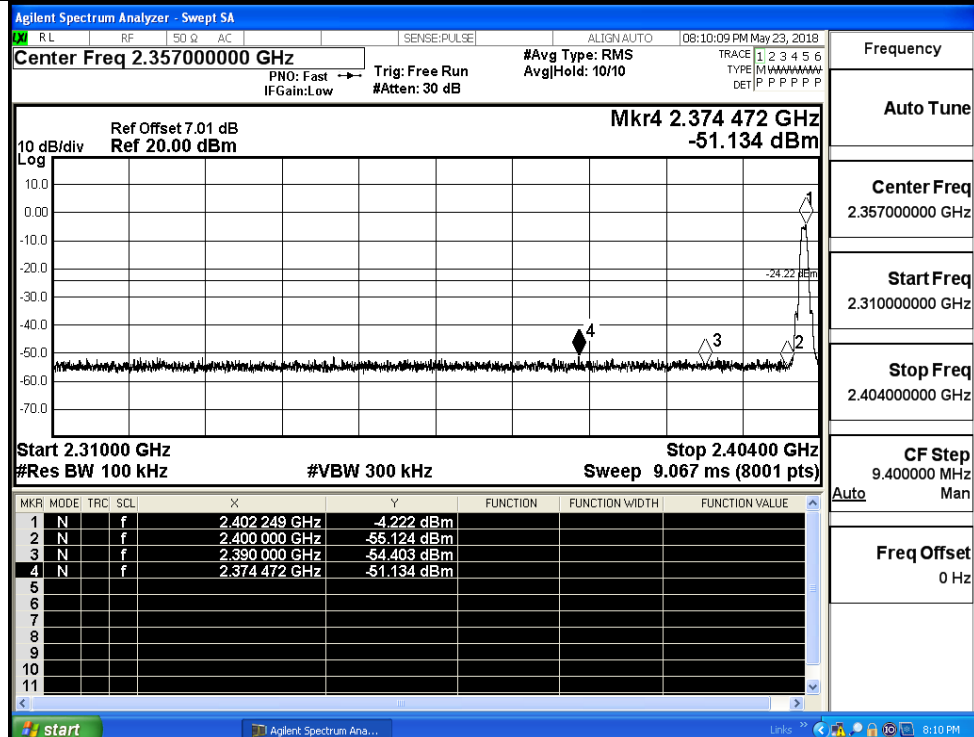


B.6 Band-edge for RF Conducted Emissions

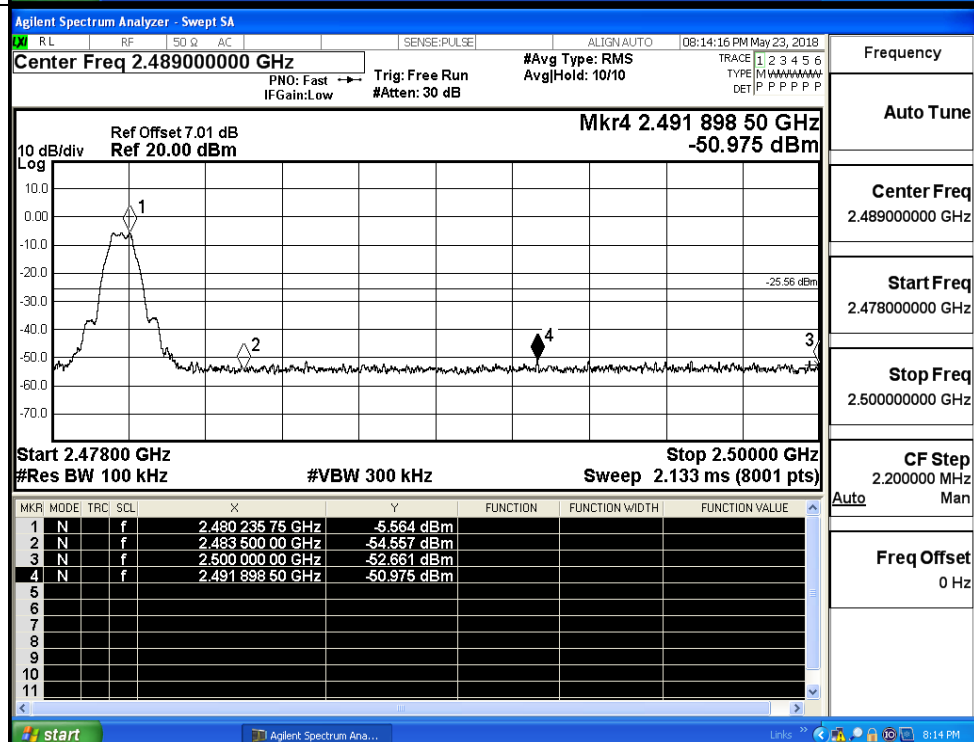
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.222	-51.134	-24.22	PASS
BT LE	HCH	-5.564	-50.975	-25.56	PASS

Test Graphs

LCH



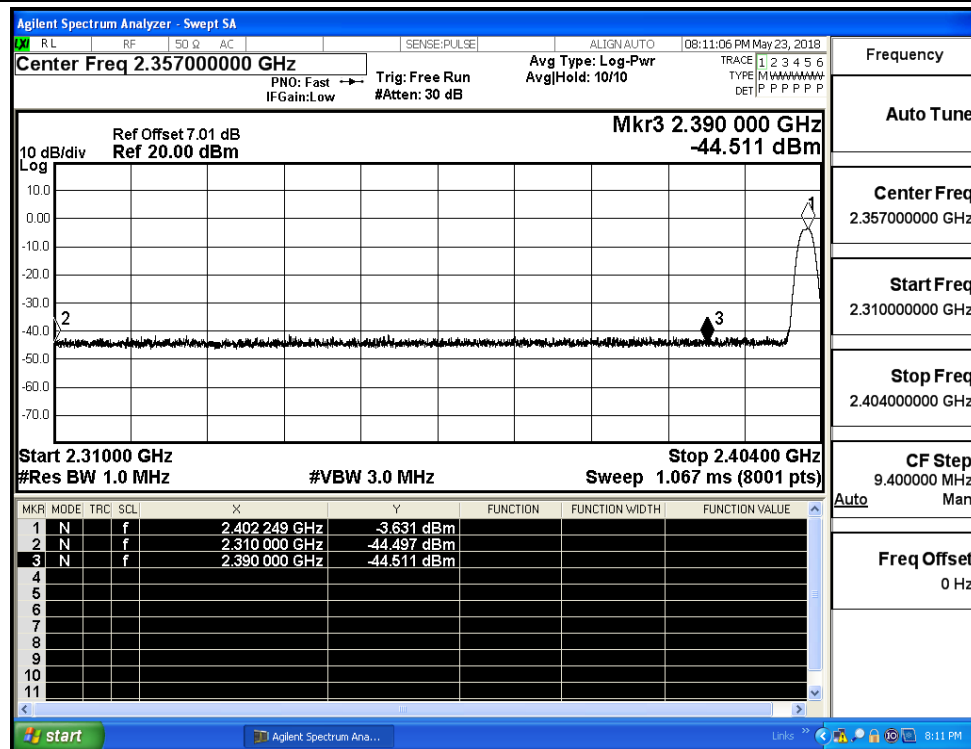
HCH



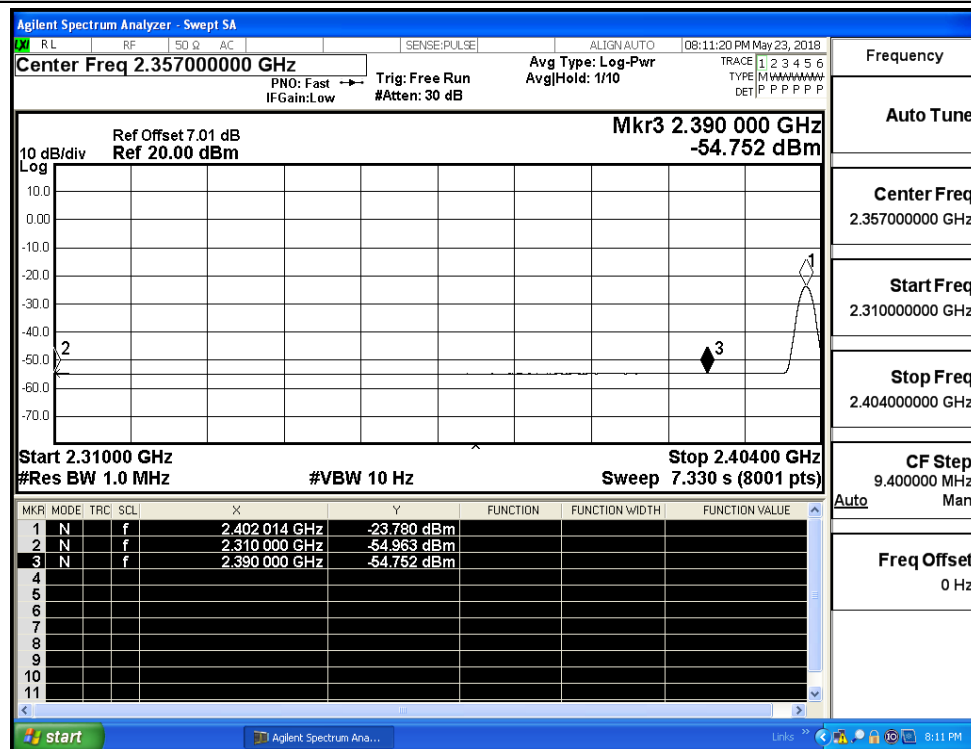
B.7 Restrict-band band-edge measurements

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	-44.50	2.0	0	52.73	PEAK	74	PASS
		Ant1	2310.0	-54.96	2.0	0	42.26	AV	54	PASS
		Ant1	2390.0	-44.51	2.0	0	52.72	PEAK	74	PASS
		Ant1	2390.0	-54.75	2.0	0	42.48	AV	54	PASS
	2480	Ant1	2483.5	-43.92	2.0	0	53.31	PEAK	74	PASS
		Ant1	2483.5	-54.50	2.0	0	42.72	AV	54	PASS
		Ant1	2500.0	-44.07	2.0	0	53.16	PEAK	74	PASS
		Ant1	2500.0	-54.38	2.0	0	42.85	AV	54	PASS

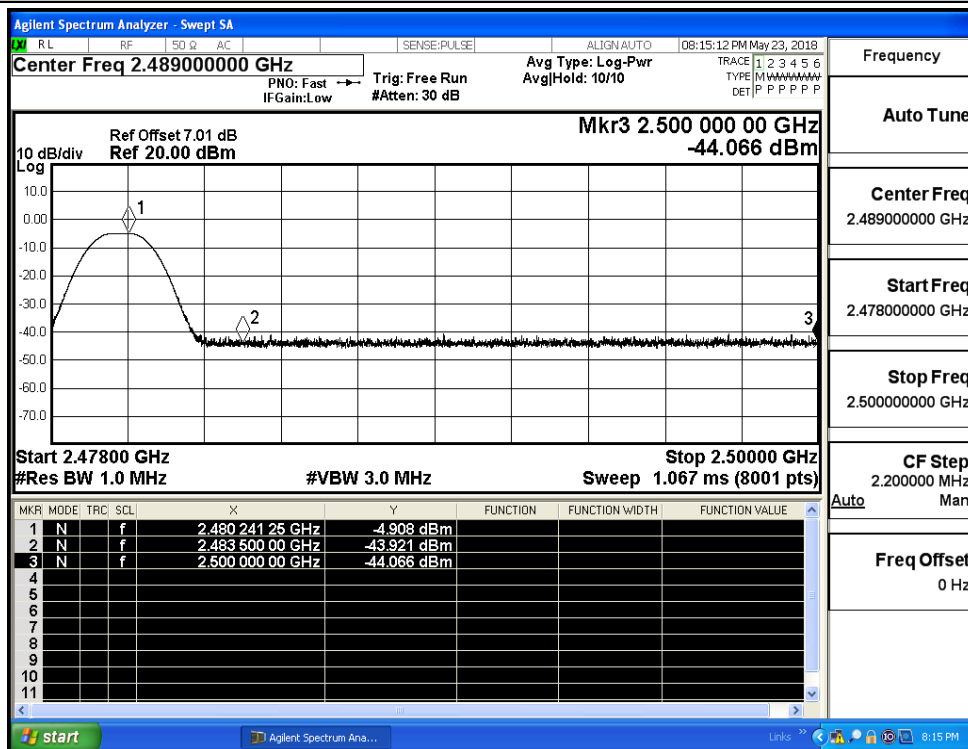
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

