

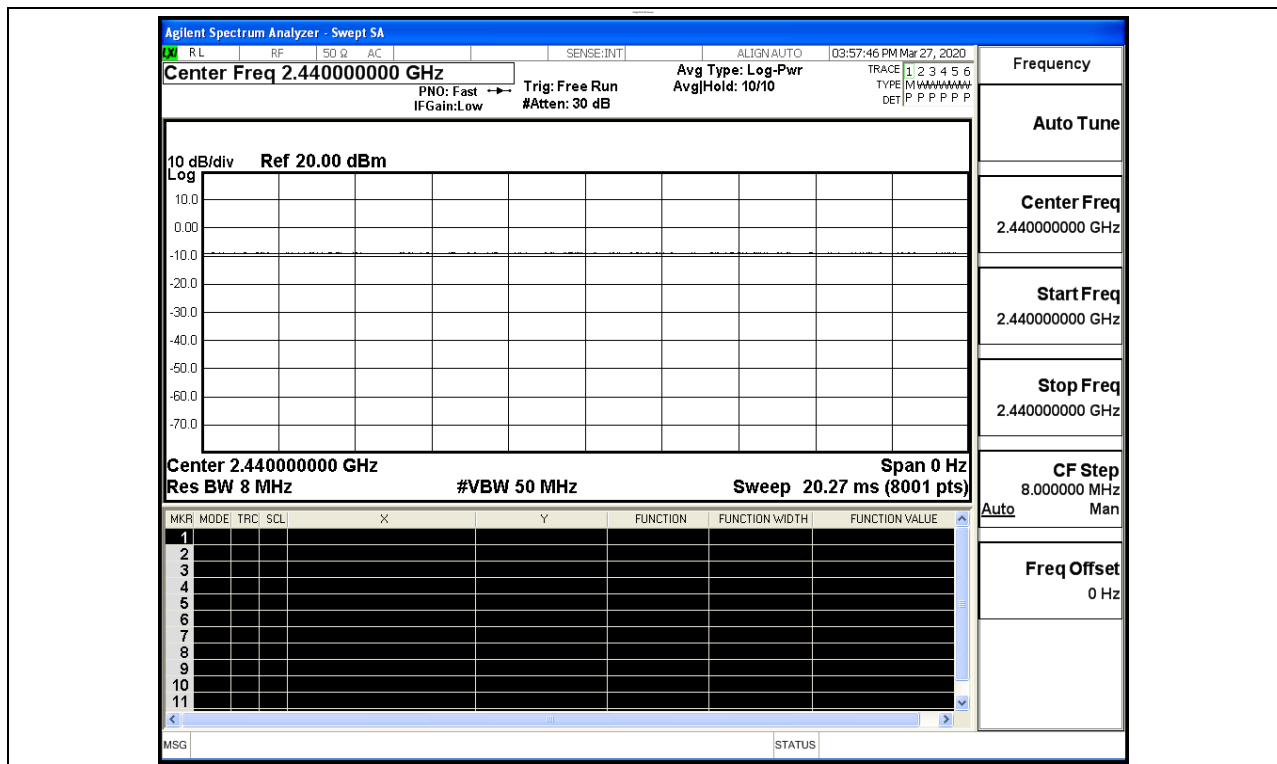
Appendix B **RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)** **Product Name: Bluetooth Speaker** **Trade Mark: Origaudio** **Test Model: MINI SONO**

Environmental Conditions

Temperature:	23.4° C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Qu Xin
Supervised by:	Li Huan

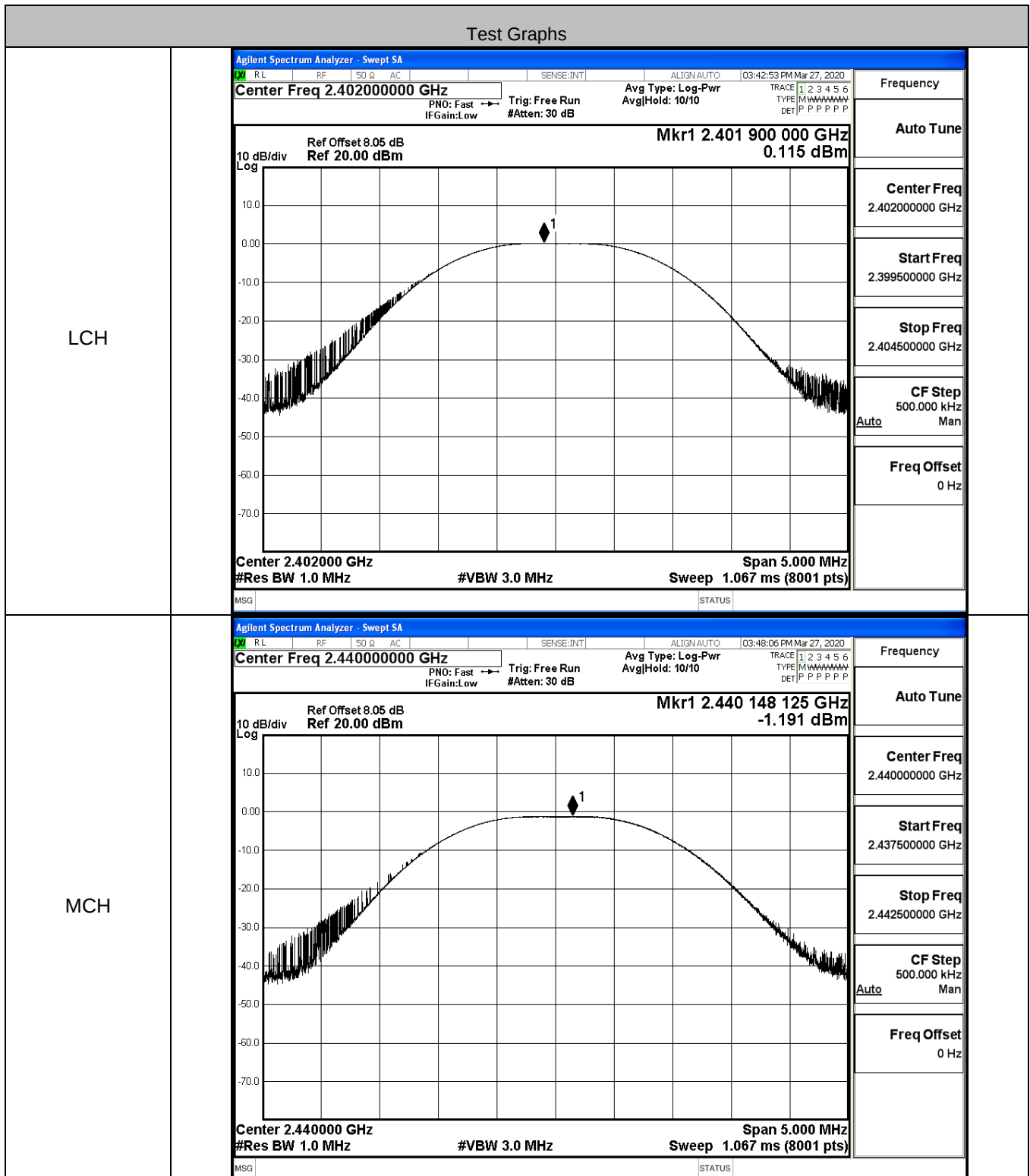
B.1 Duty Cycle

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

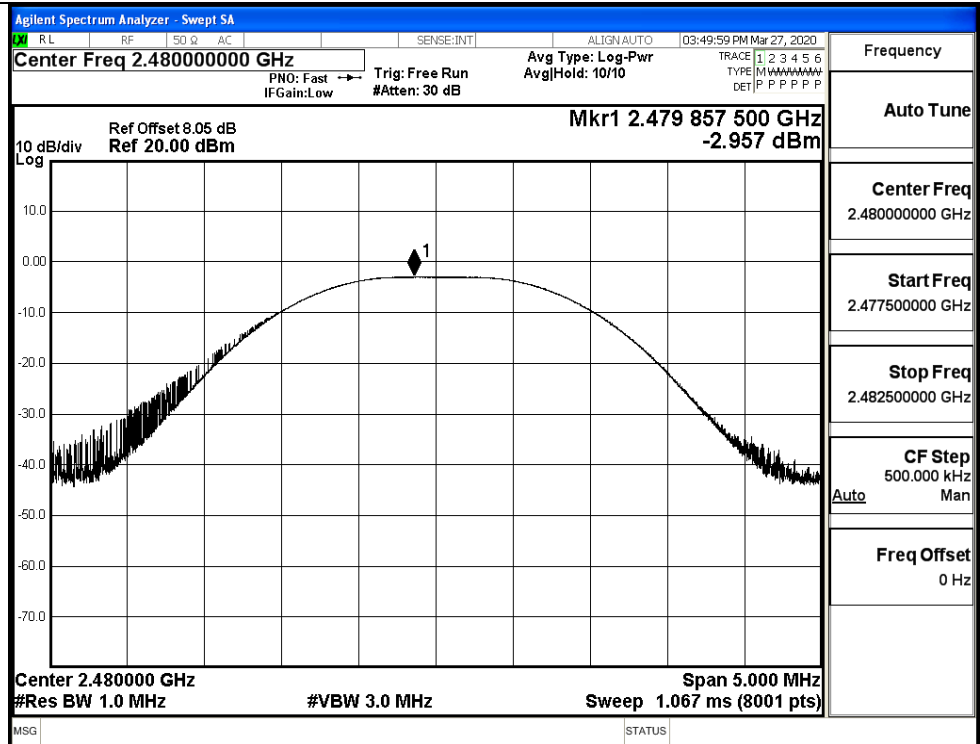


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.115	30	PASS
BT LE	MCH	-1.191	30	PASS
BT LE	HCH	-2.957	30	PASS



HCH

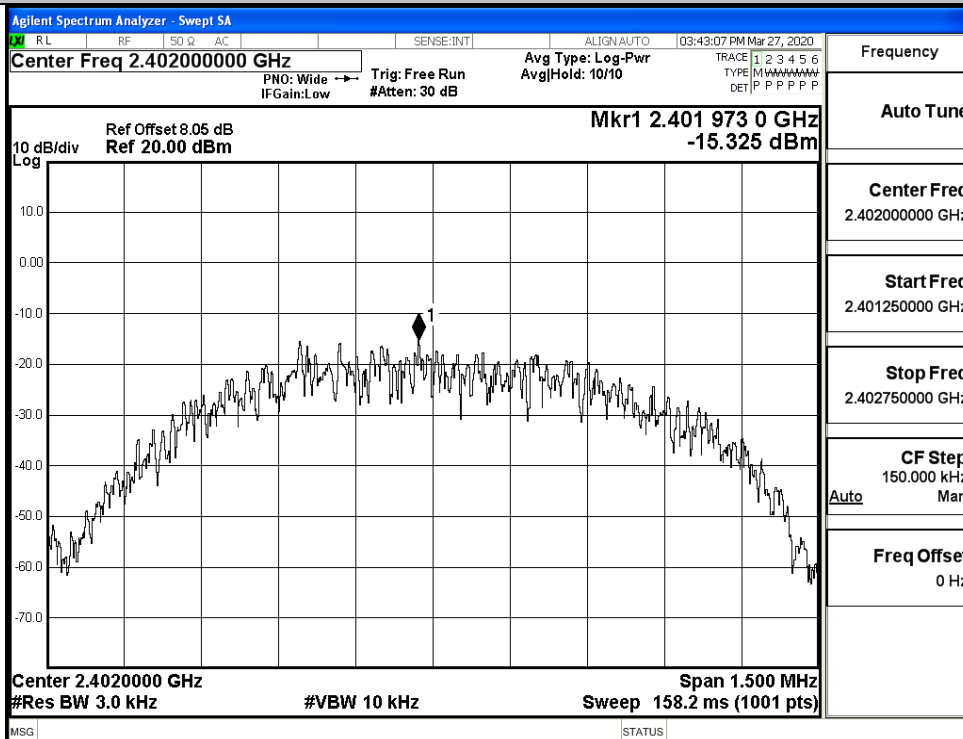


B.3 Maximum Power Spectral Density

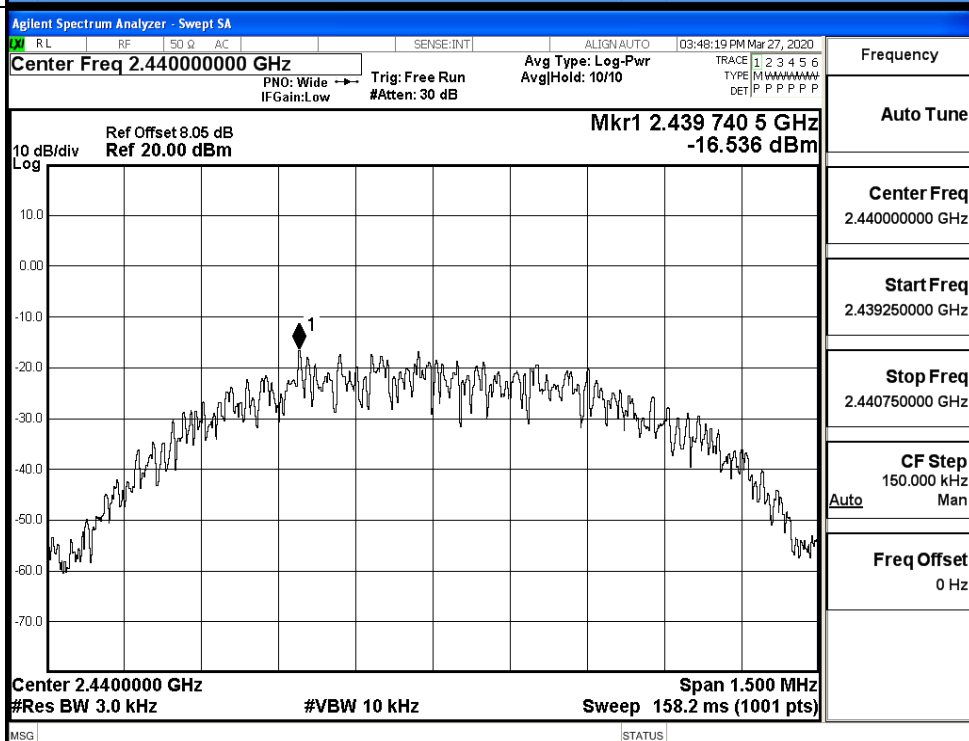
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.325	8	PASS
BT LE	MCH	-16.536	8	PASS
BT LE	HCH	-18.268	8	PASS

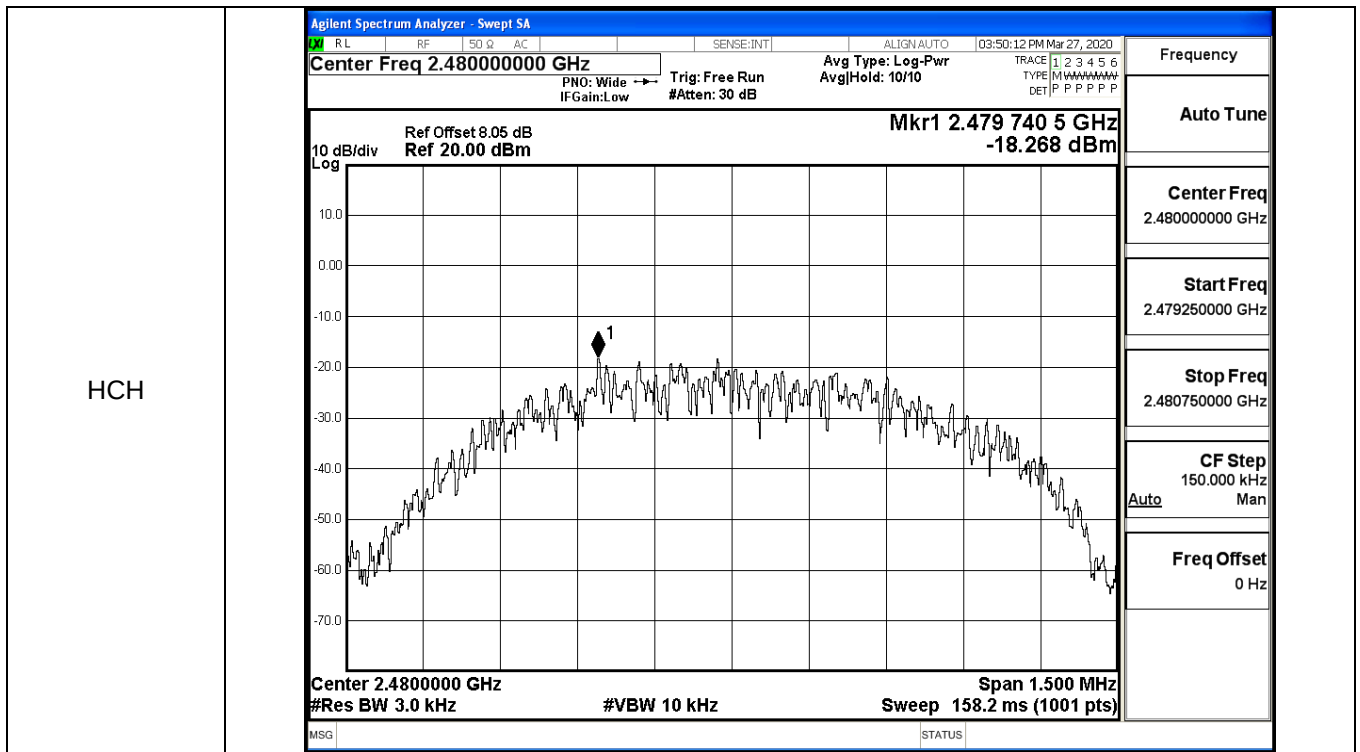
Test Graphs

LCH



MCH



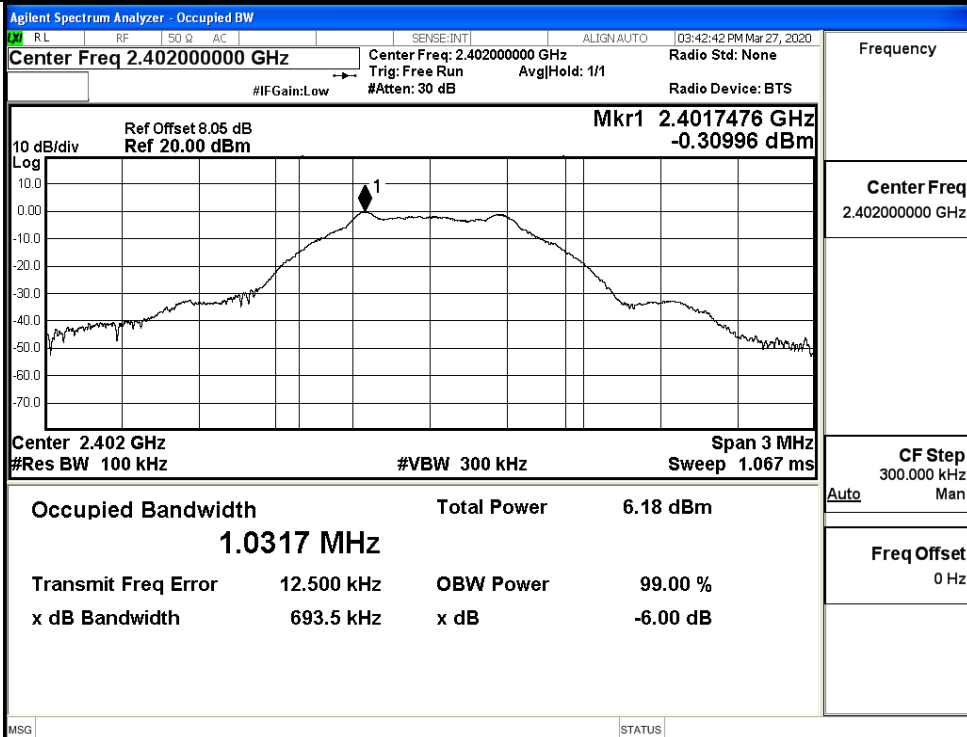


B.4 6dB Bandwidth

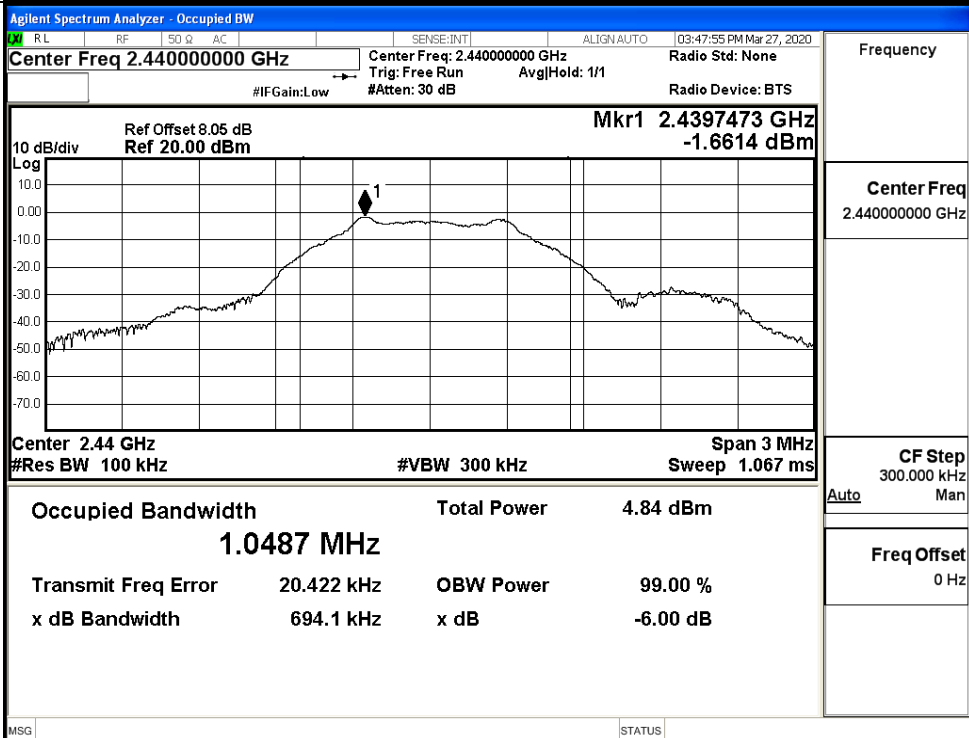
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6935	≥ 0.5	PASS
BT LE	MCH	0.6941	≥ 0.5	PASS
BT LE	HCH	0.6953	≥ 0.5	PASS

Test Graphs

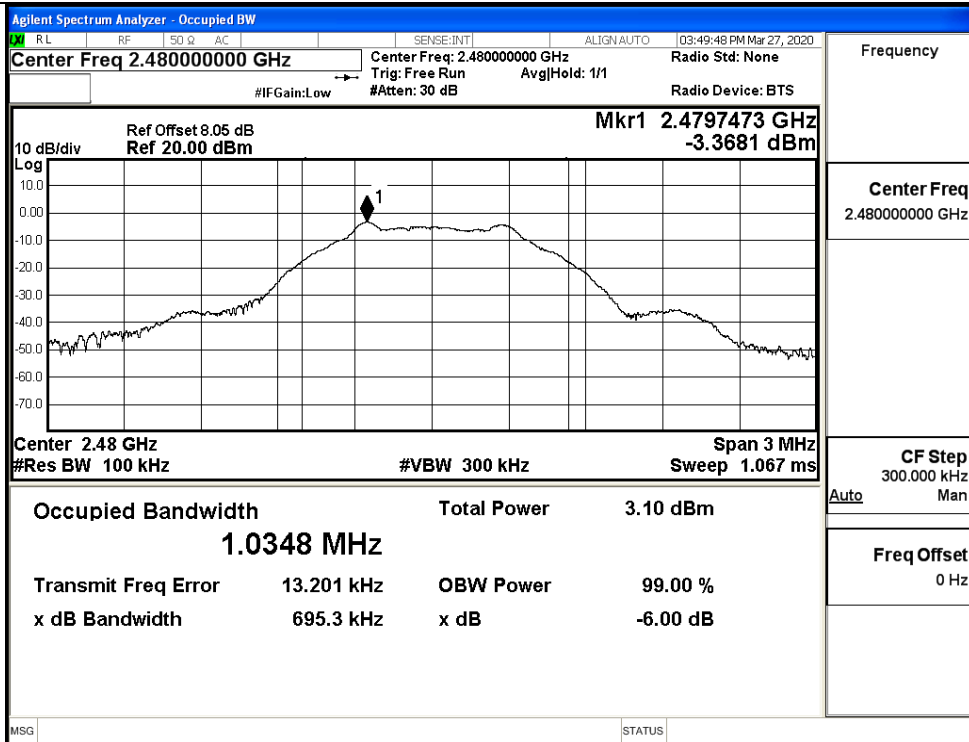
LCH



MCH



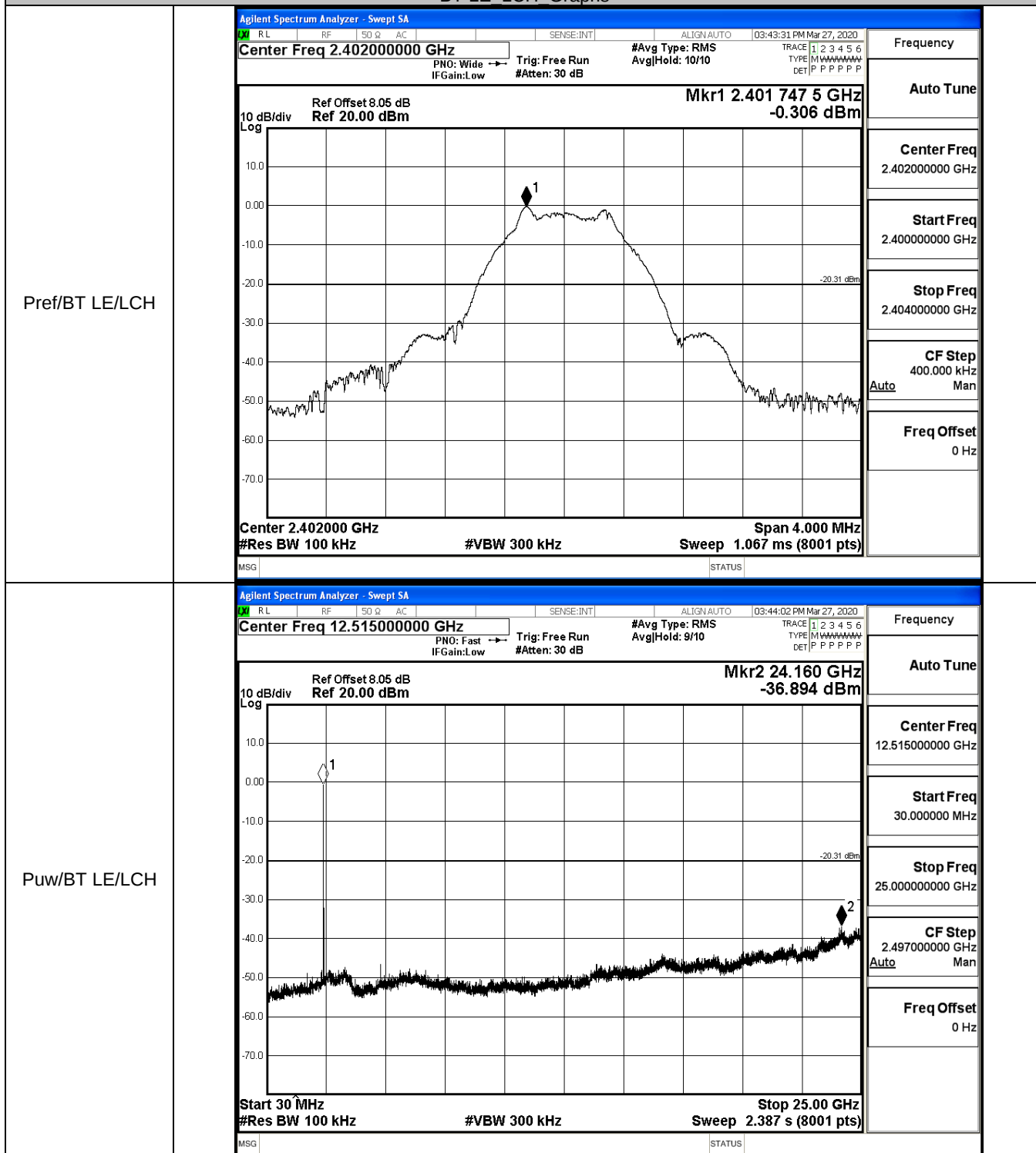
HCH



B.5 RF Conducted Spurious Emissions

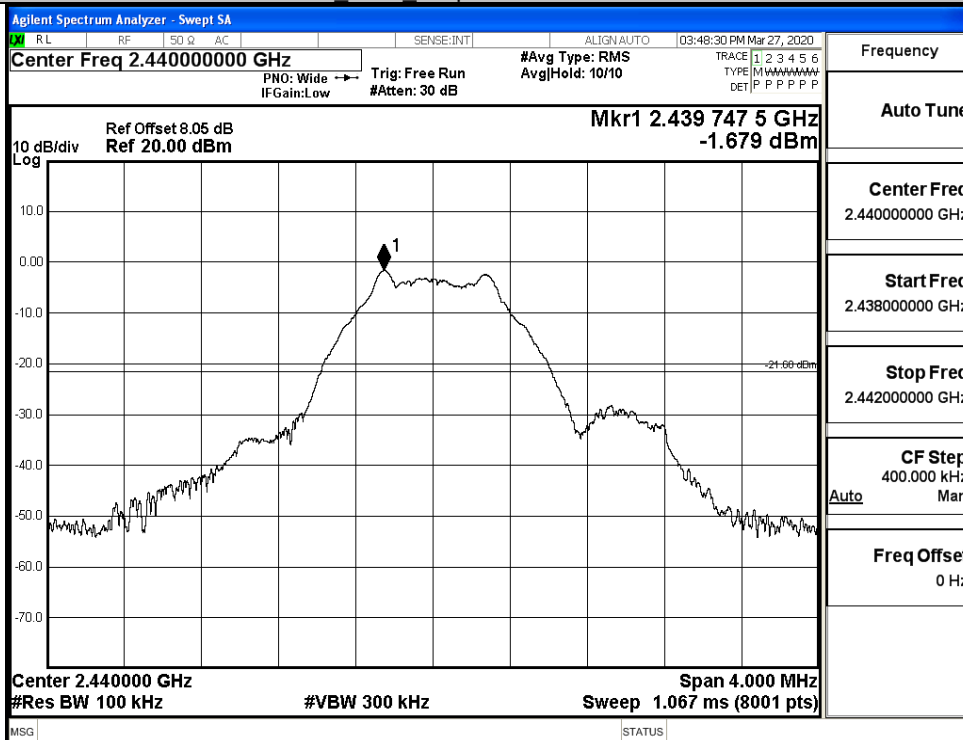
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.306	-36.894	-20.306	PASS
BT LE	MCH	-1.679	-36.963	-21.679	PASS
BT LE	HCH	-3.378	-36.505	-23.378	PASS

BT LE LCH Graphs

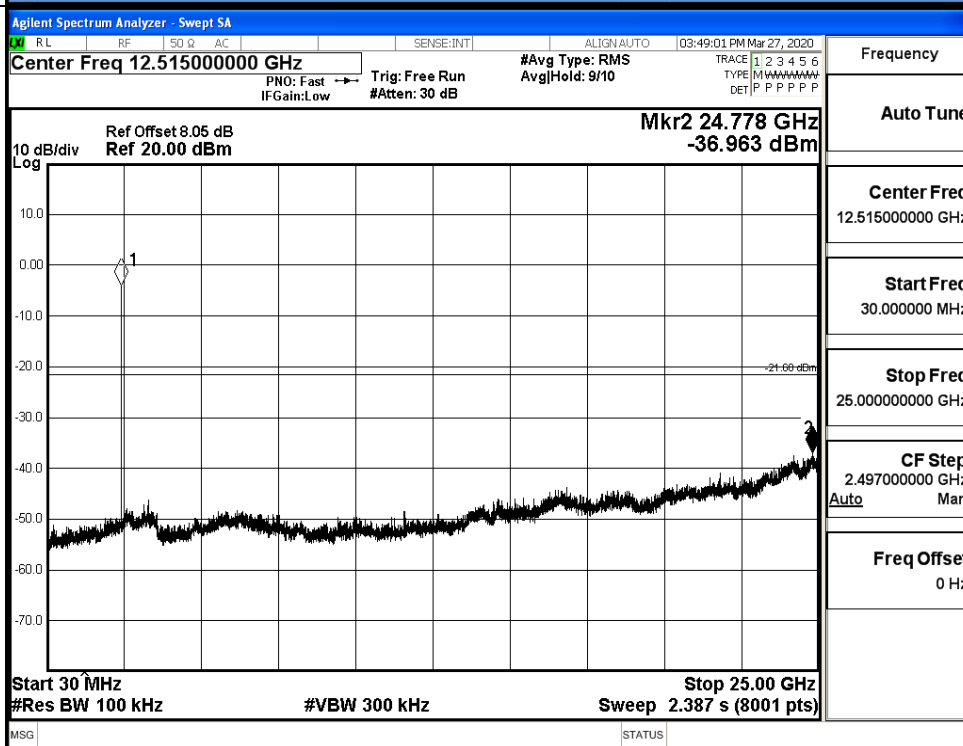


BT LE MCH Graphs

Pref/BT LE/MCH

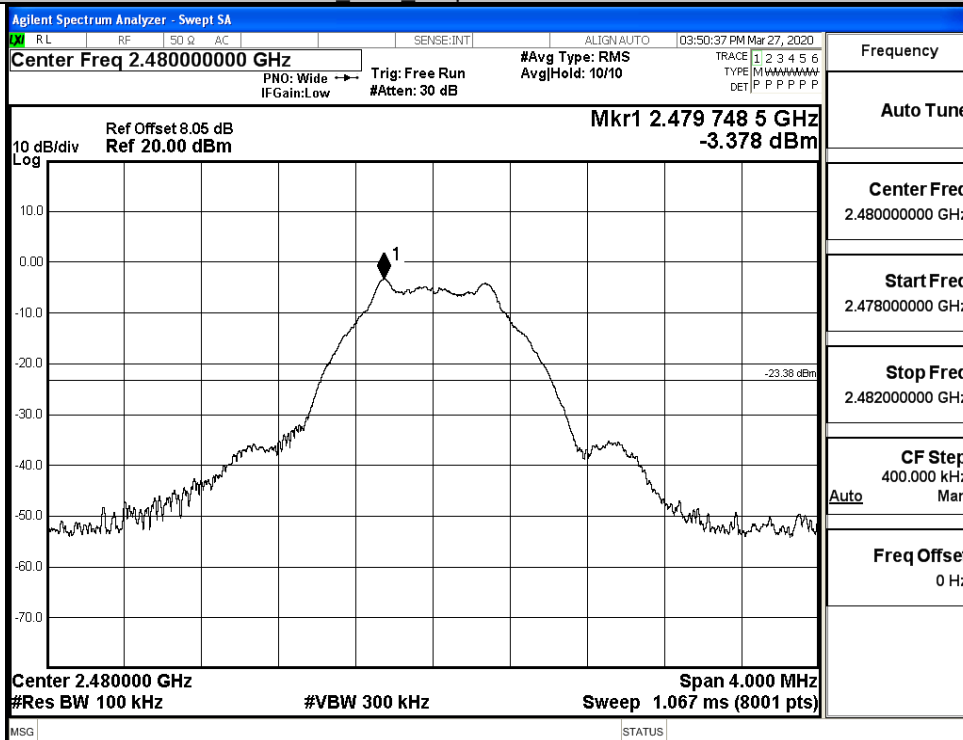


Puw/BT LE/MCH



BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

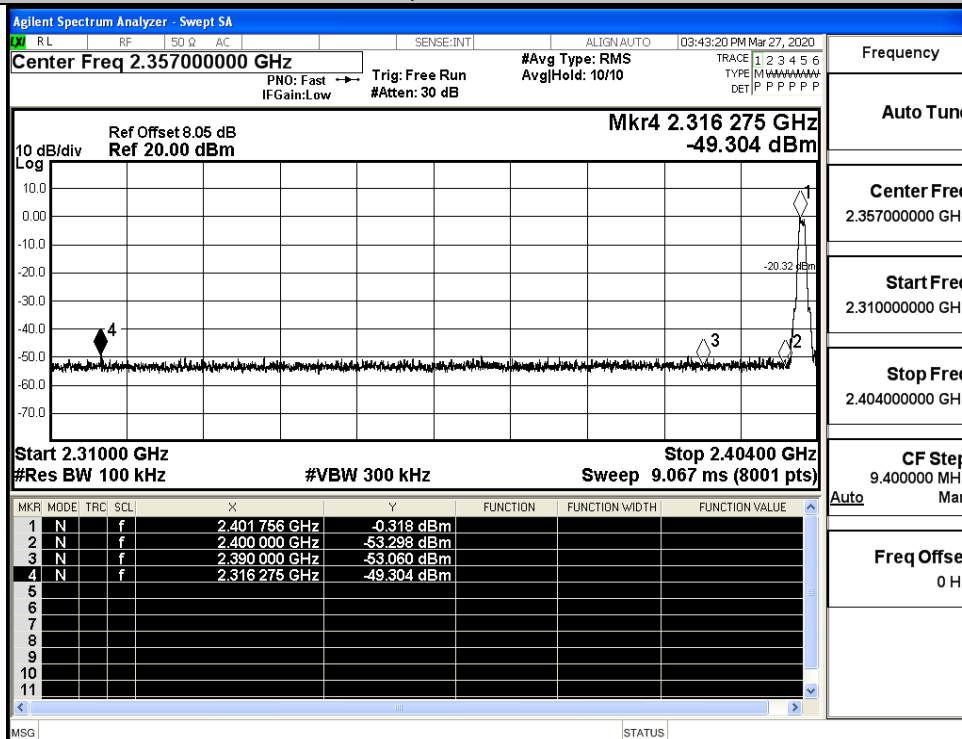


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.318	-49.304	-20.32	PASS
BT LE	HCH	-3.338	-48.994	-23.34	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq
2.357000000 GHz

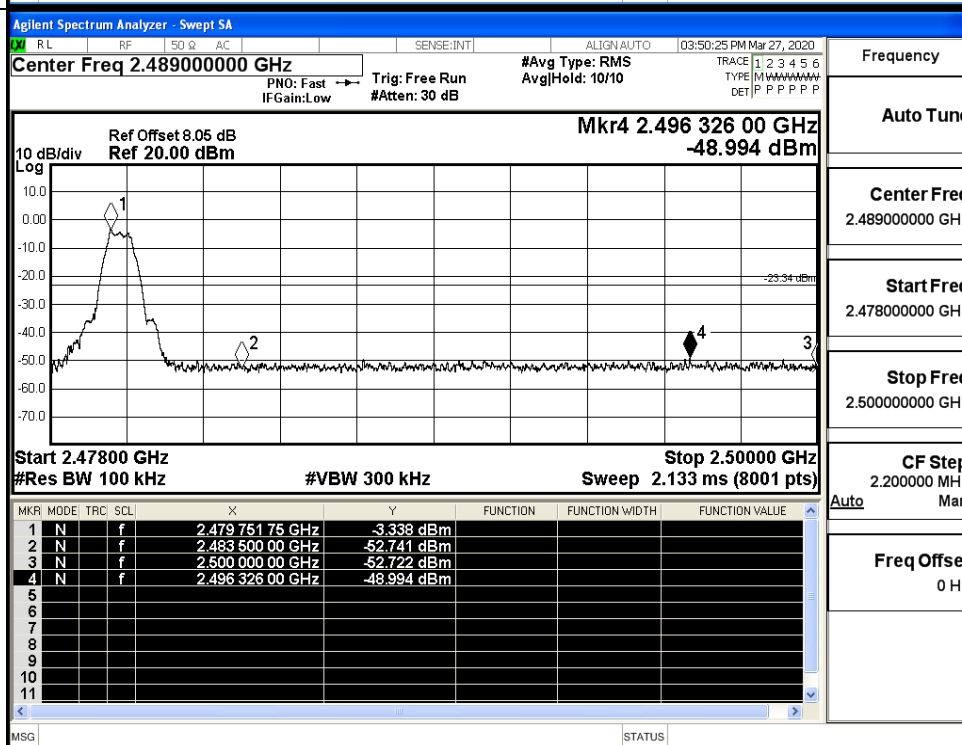
Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz

Freq Offset
0 Hz

HCH



Frequency

Auto Tune

Center Freq
2.489000000 GHz

Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

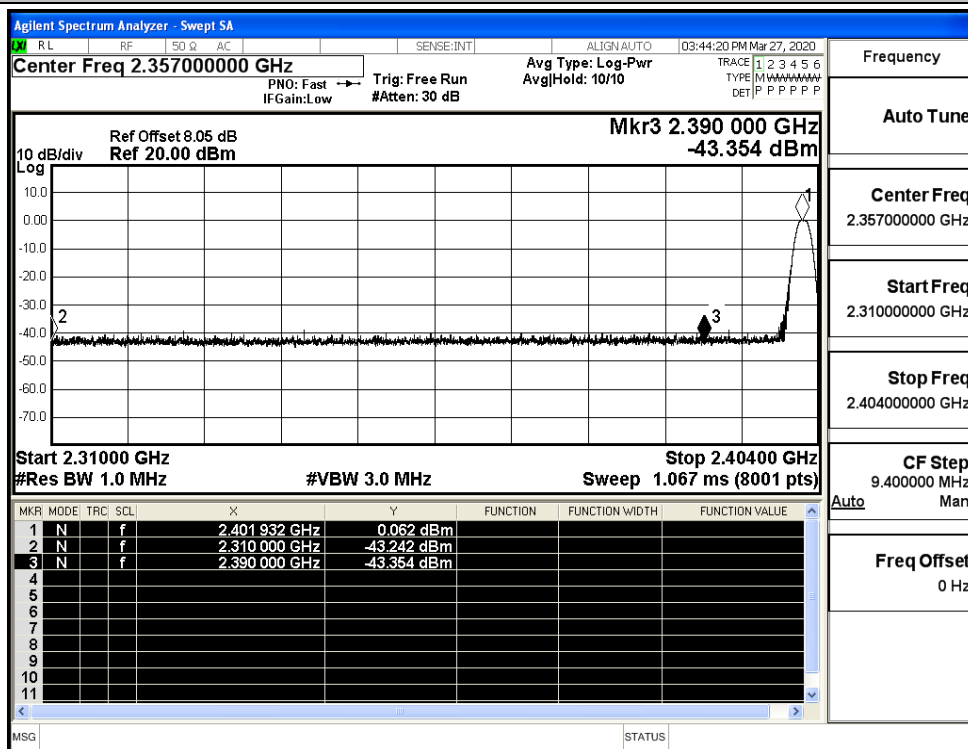
CF Step
2.200000 MHz

Freq Offset
0 Hz

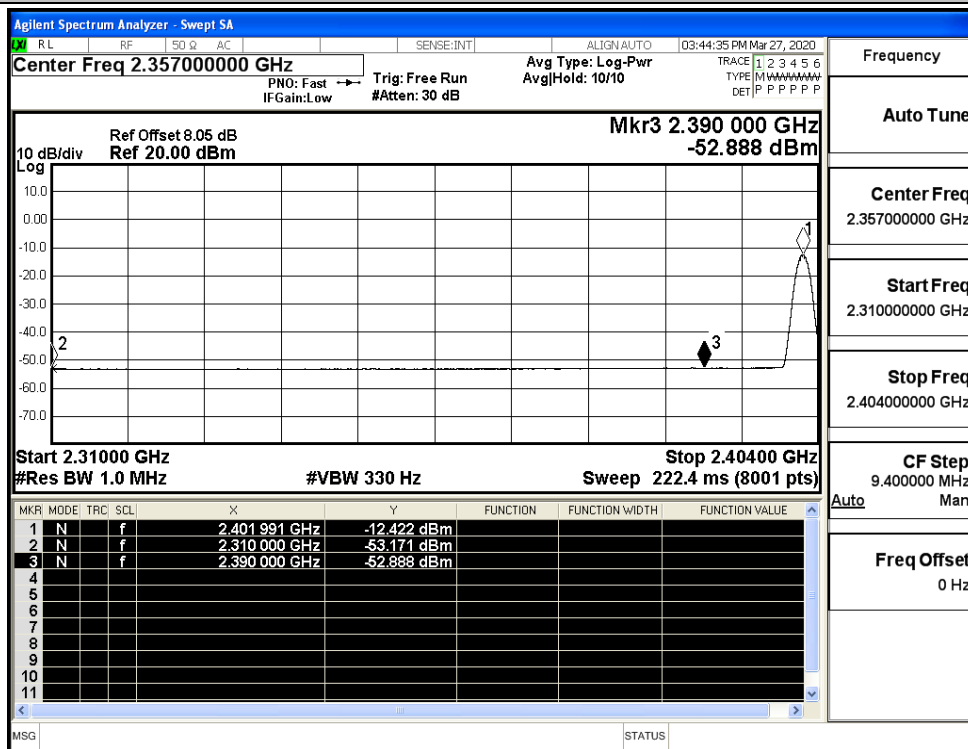
B.7 Restrict-band band-edge measurements

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	-43.24	2.0	0	53.99	PEAK	74	PASS
		Ant1	2310.0	-53.17	2.0	0	44.06	AV	54	PASS
		Ant1	2390.0	-43.35	2.0	0	53.88	PEAK	74	PASS
		Ant1	2390.0	-52.89	2.0	0	44.34	AV	54	PASS
	2480	Ant1	2483.5	-41.46	2.0	0	55.77	PEAK	74	PASS
		Ant1	2483.5	-52.48	2.0	0	44.75	AV	54	PASS
		Ant1	2500.0	-42.10	2.0	0	55.13	PEAK	74	PASS
		Ant1	2500.0	-52.30	2.0	0	44.93	AV	54	PASS

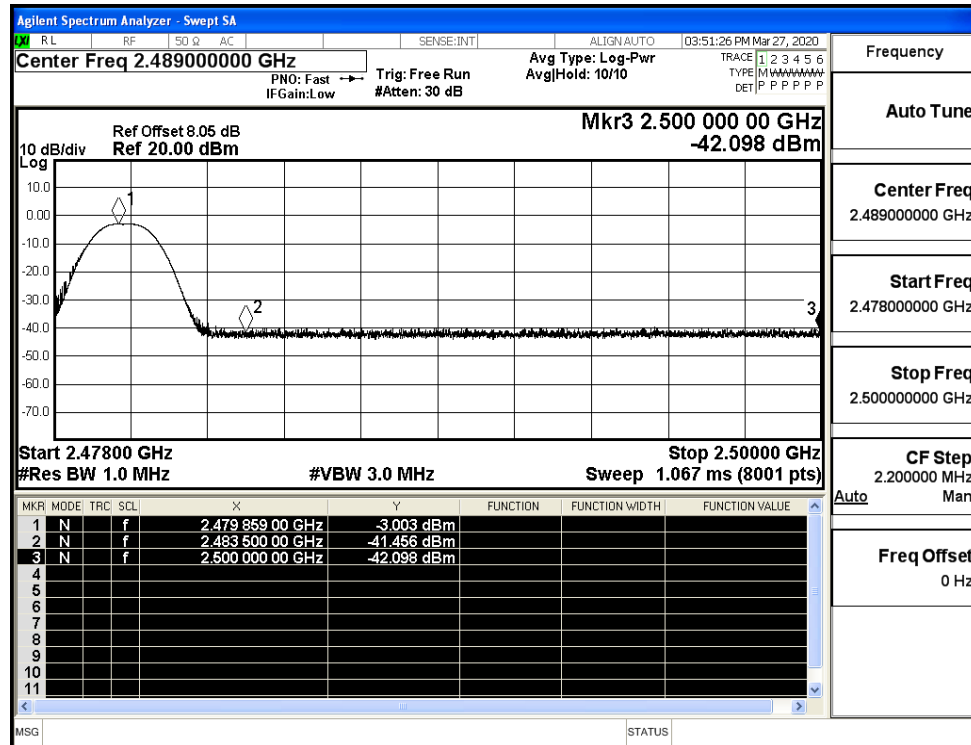
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

