

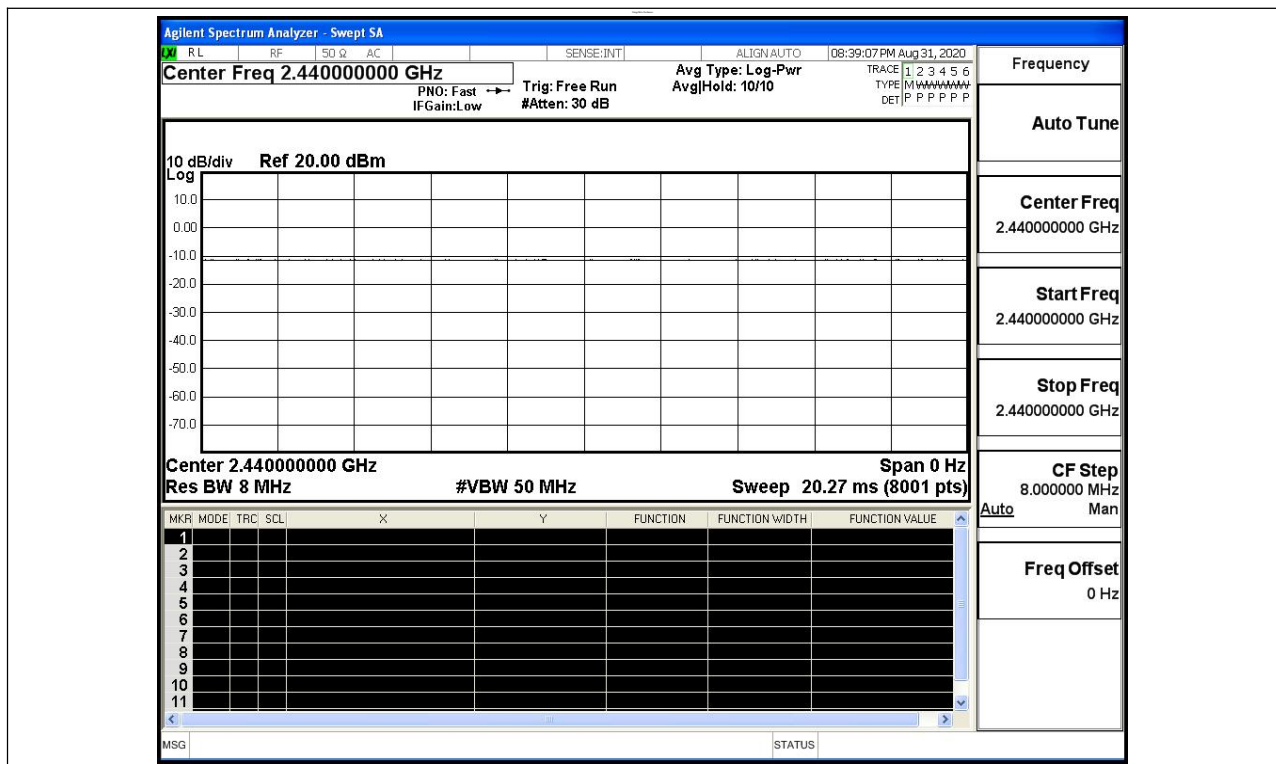
Appendix B
RF Test Data for BT V5.0(DTS) (Conducted Measurement)
Product Name: Bluetooth Earphone
Trade Mark: N/A
Test Model: XY-8

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

B.1 Duty Cycle

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

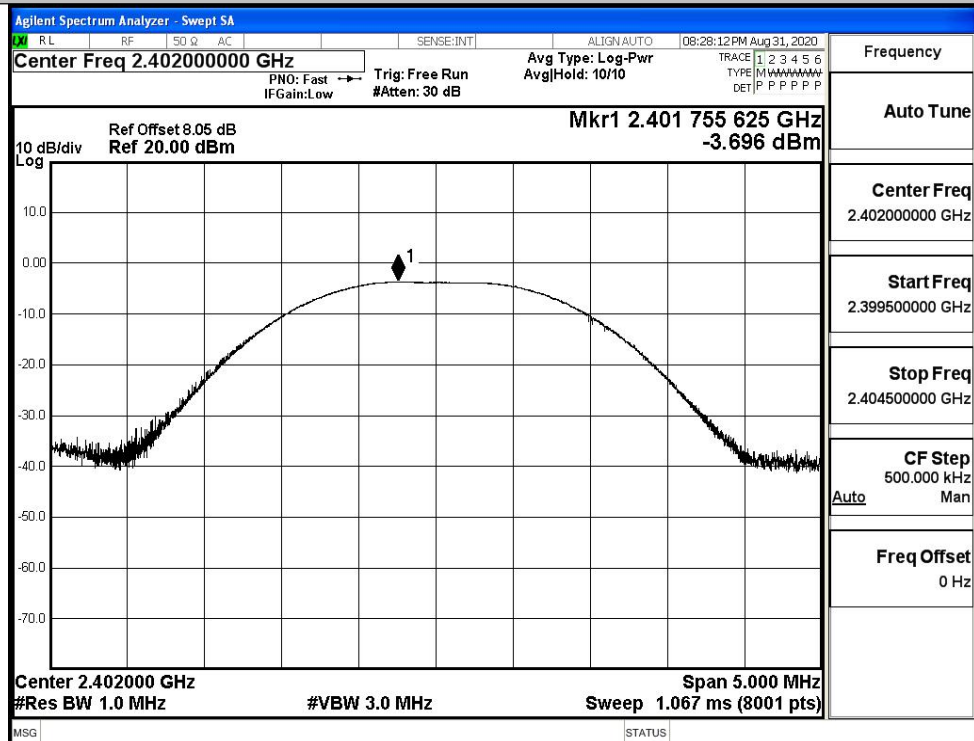


B.2 Maximum Conducted Peak Output Power

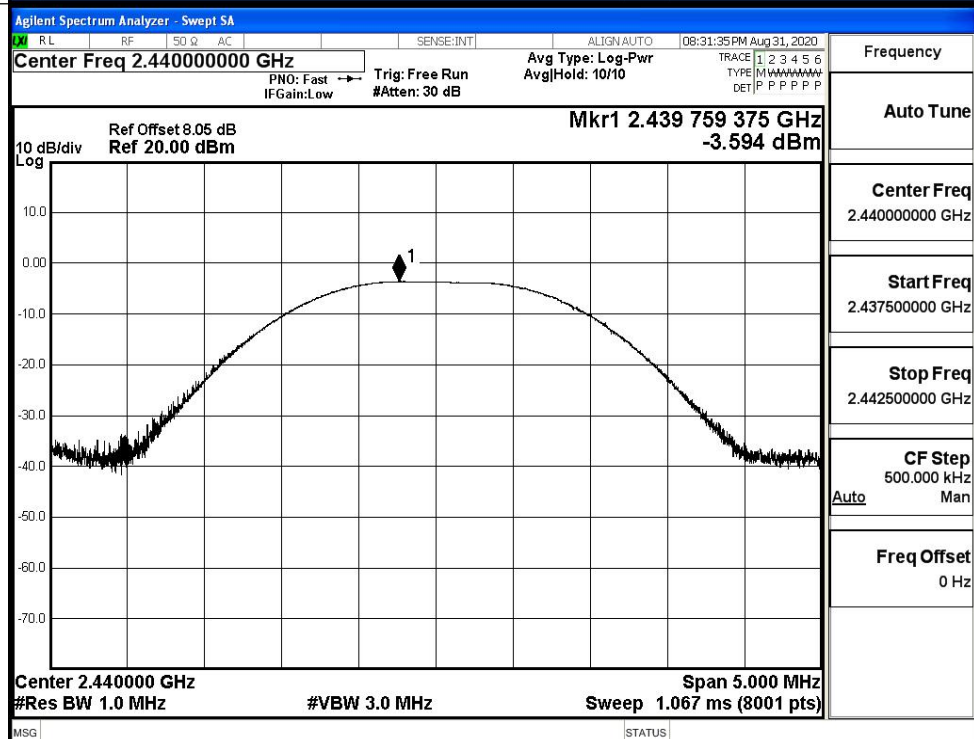
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.696	30	PASS
BT LE	MCH	-3.594	30	PASS
BT LE	HCH	-3.746	30	PASS

Test Graphs

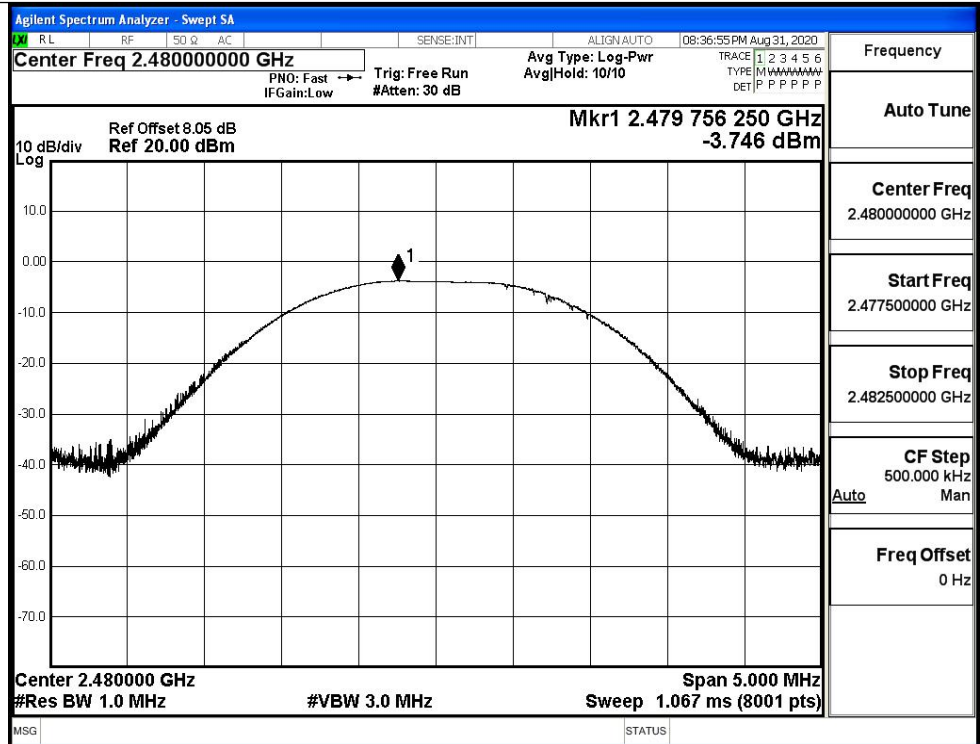
LCH



MCH



HCH

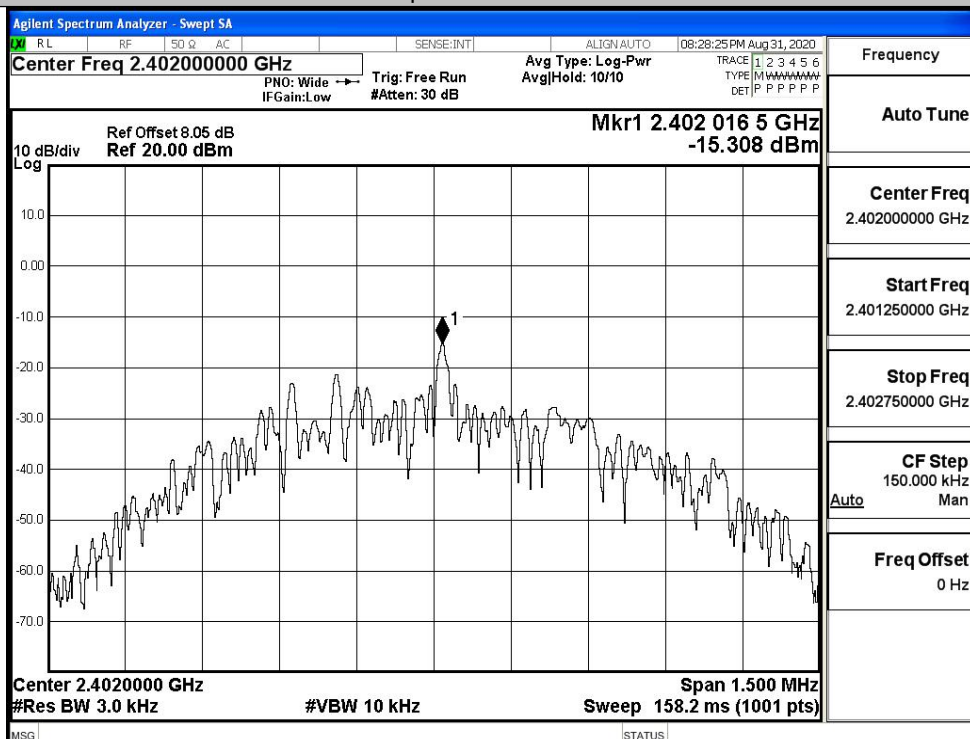


B.3 Maximum Power Spectral Density

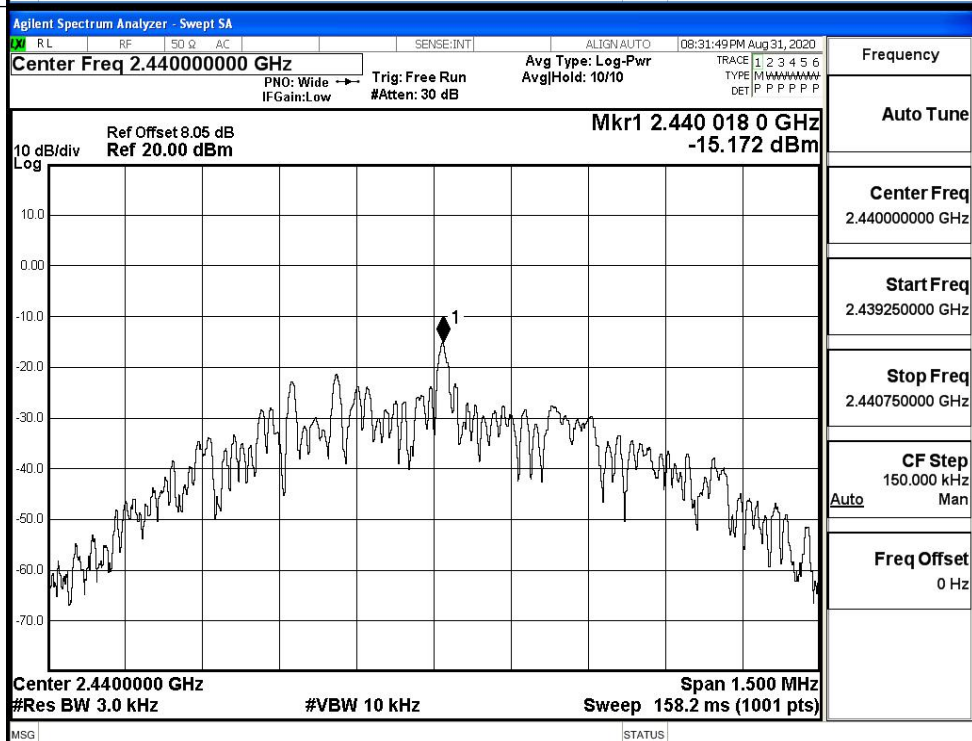
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.308	8	PASS
BT LE	MCH	-15.172	8	PASS
BT LE	HCH	-15.391	8	PASS

Test Graphs

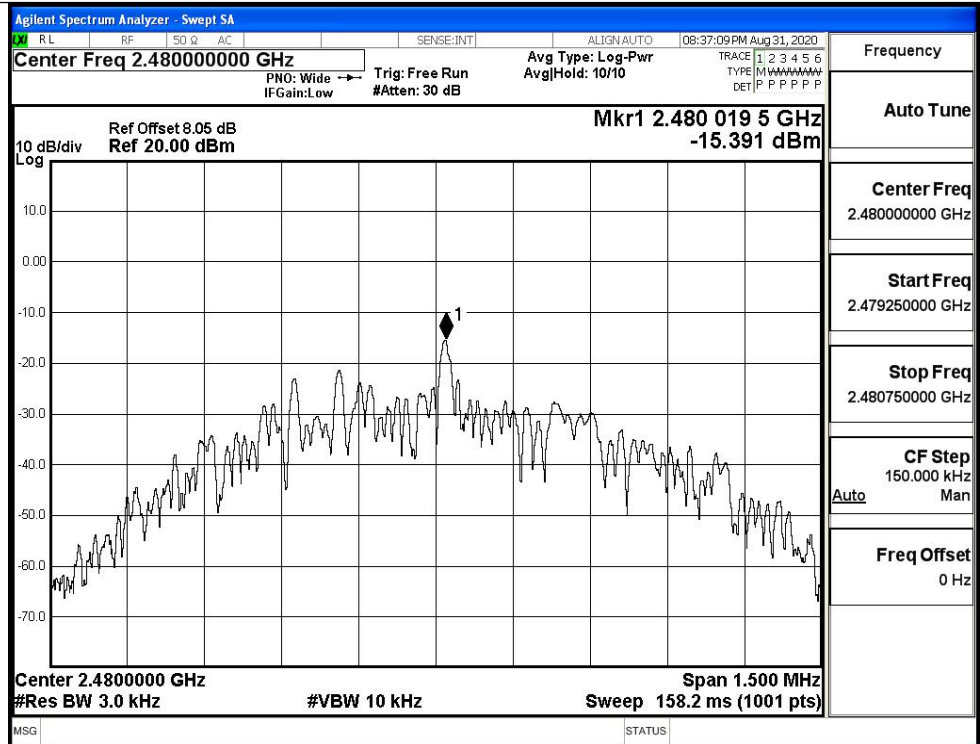
LCH



MCH



HCH

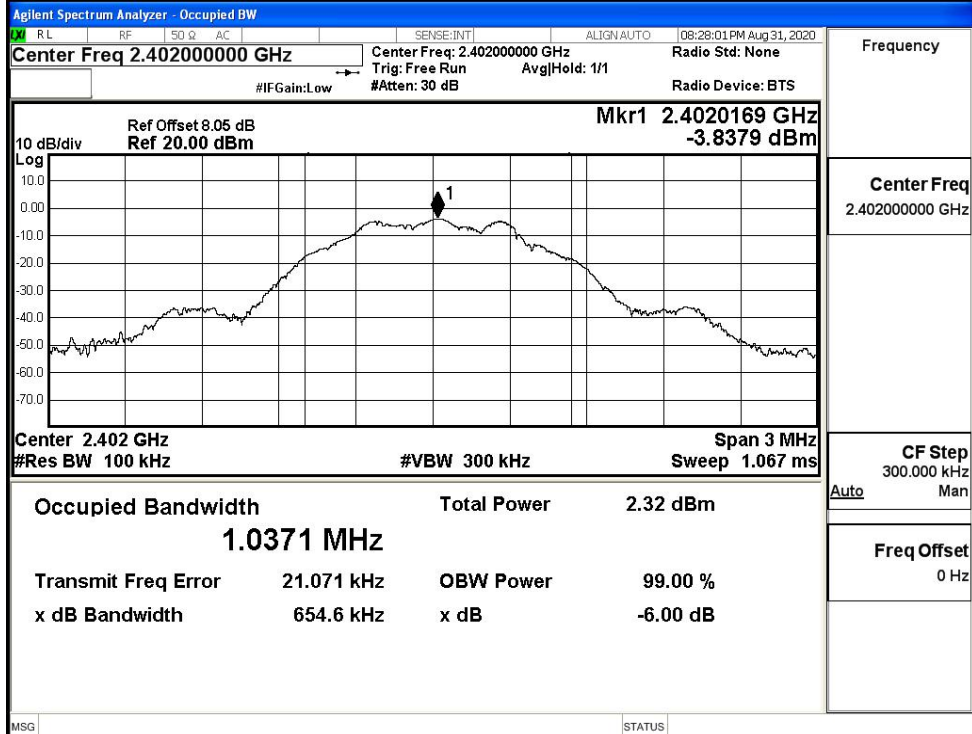


B.4 6dB Bandwidth

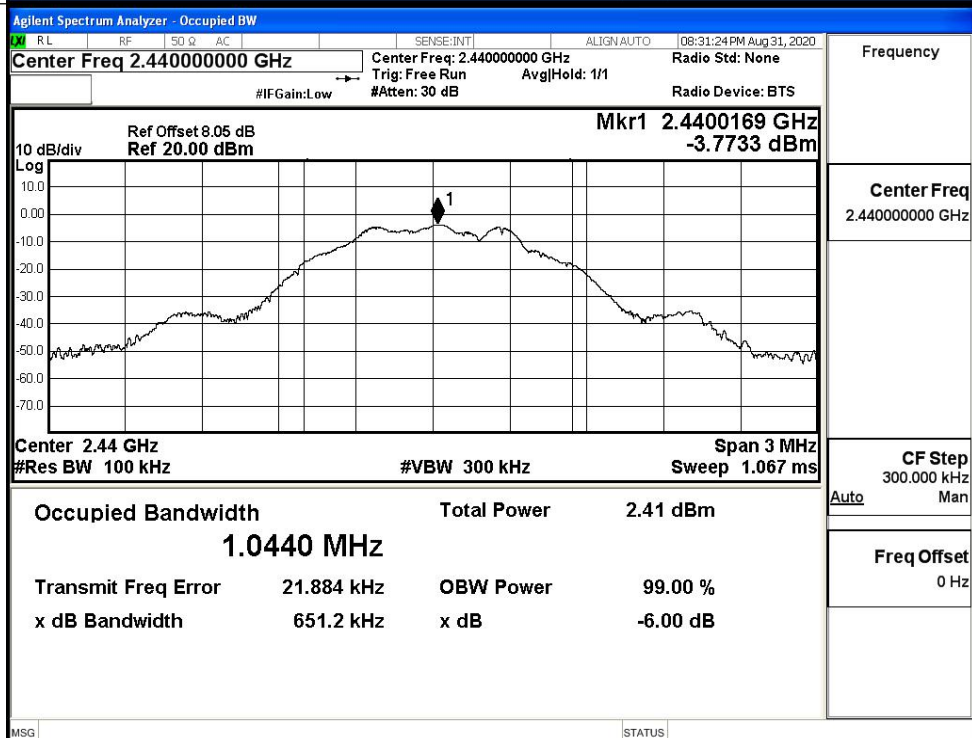
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6546	≥ 0.5	PASS
BT LE	MCH	0.6512	≥ 0.5	PASS
BT LE	HCH	0.6519	≥ 0.5	PASS

Test Graphs

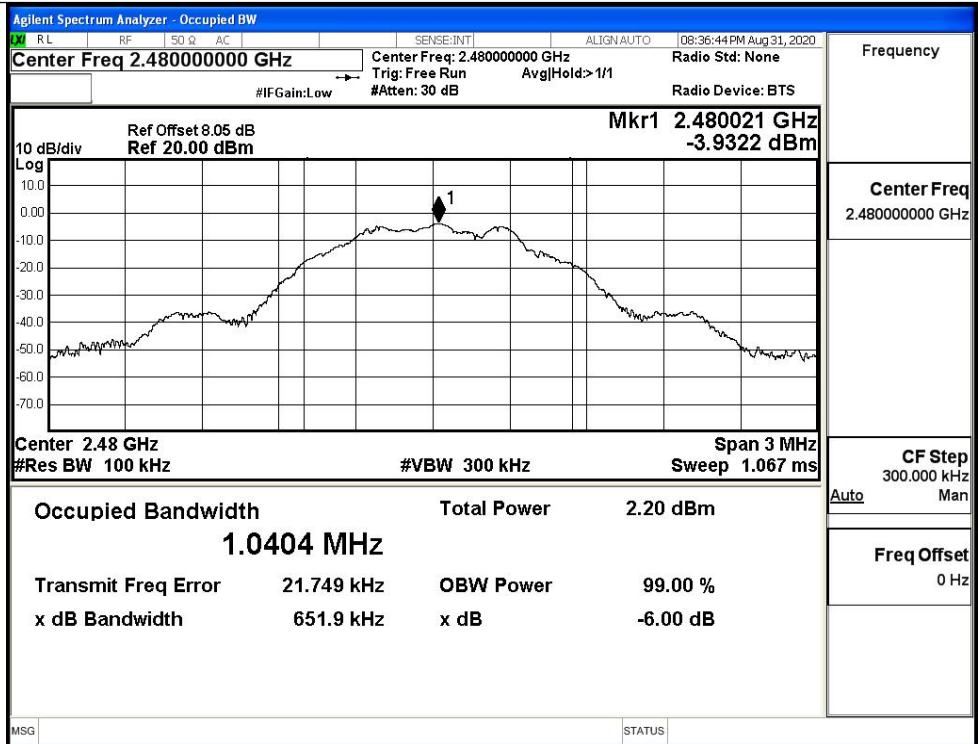
LCH



MCH



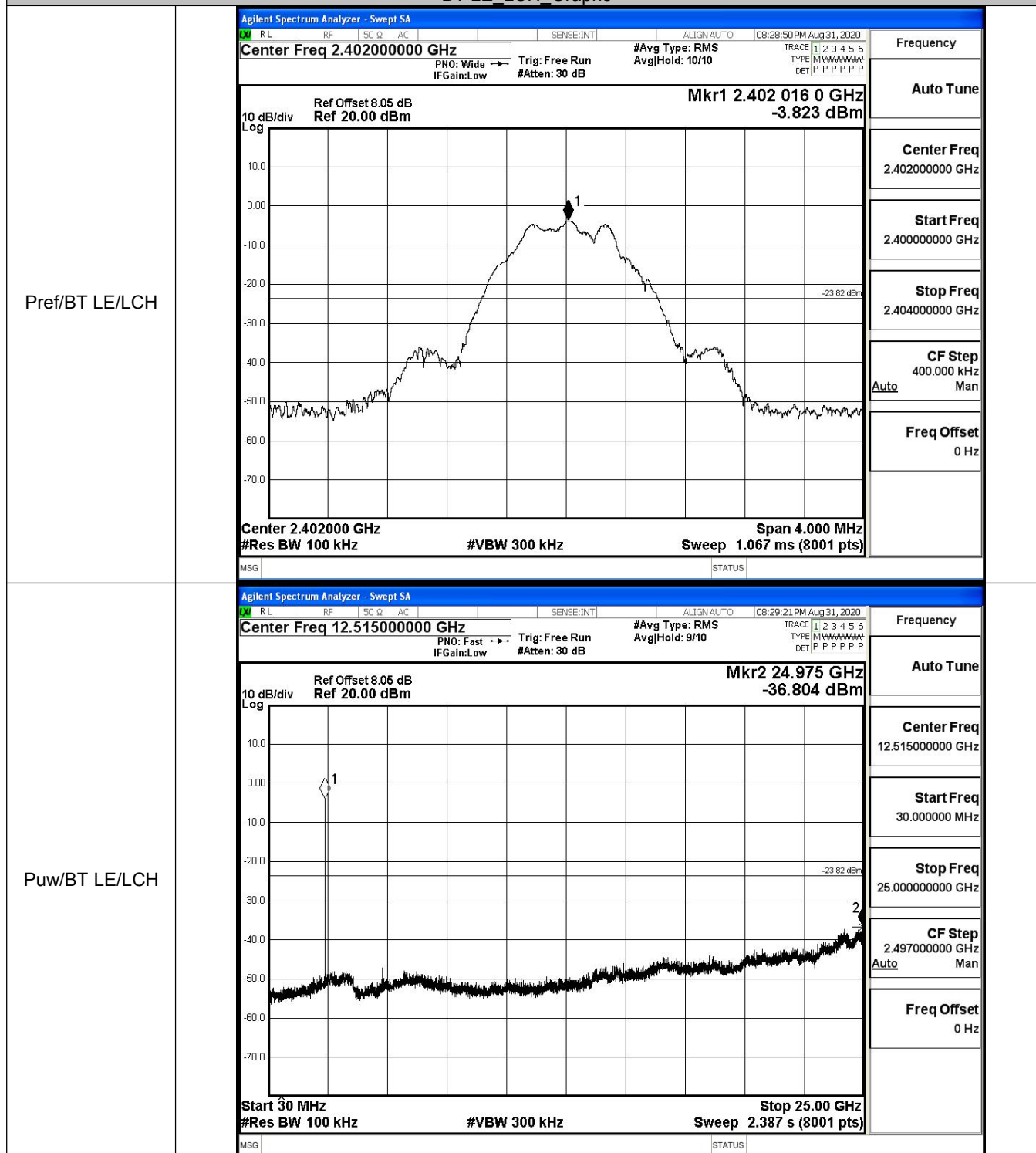
HCH



B.5 RF Conducted Spurious Emissions

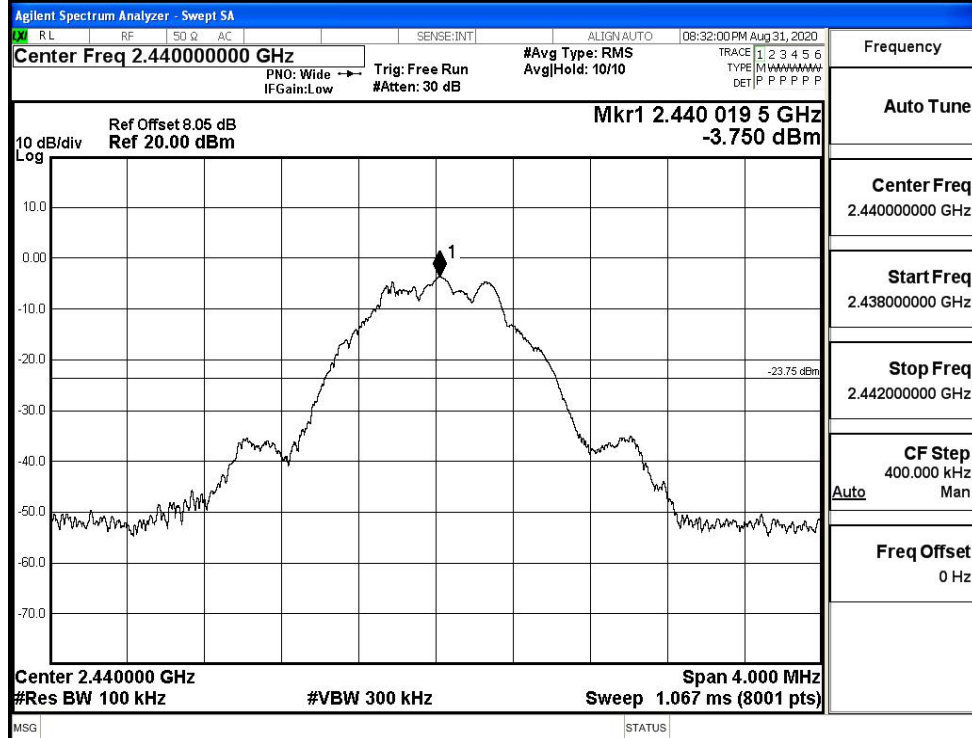
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.823	-36.804	-23.823	PASS
BT LE	MCH	-3.75	-37.007	-23.750	PASS
BT LE	HCH	-3.929	-37.459	-23.929	PASS

BT LE_LCH_Graphs

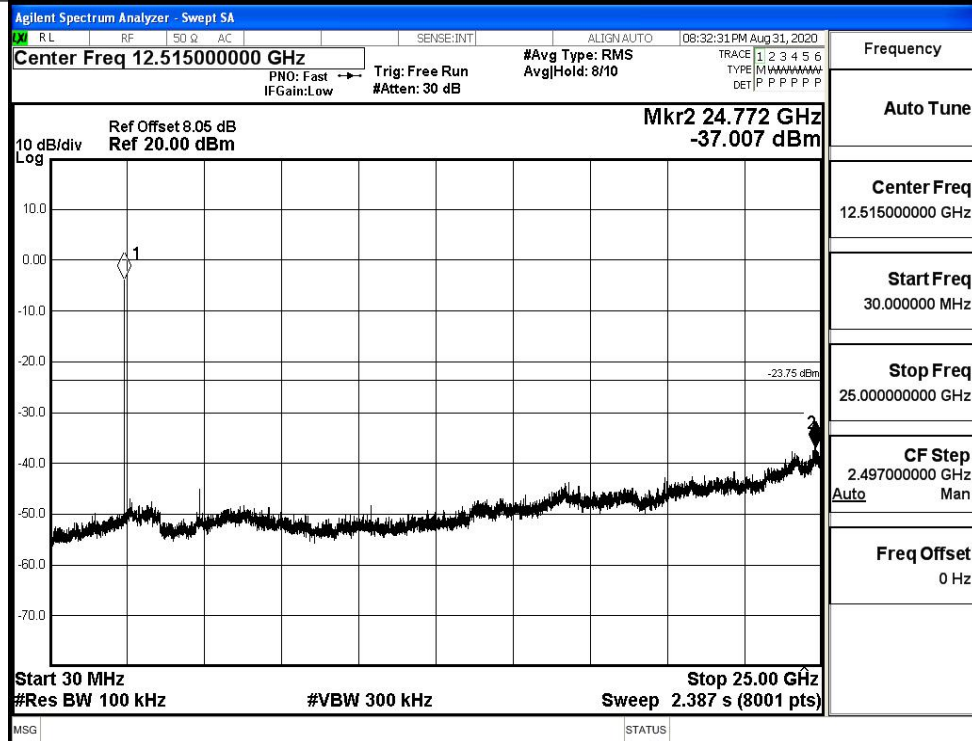


BT LE MCH Graphs

Pref/BT LE/MCH

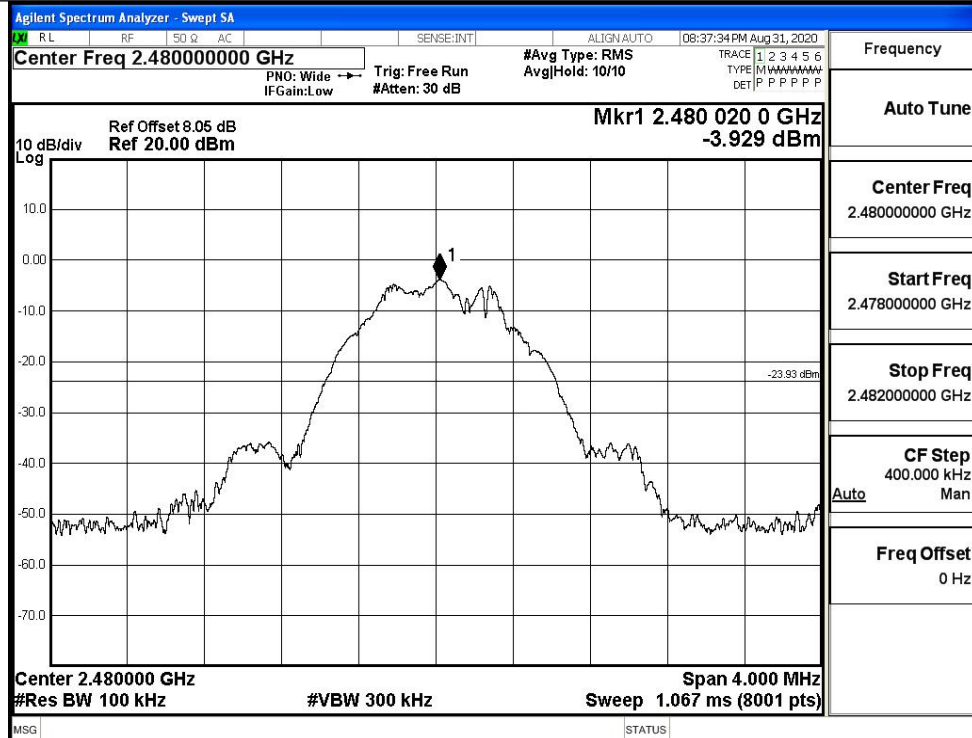


Puw/BT LE/MCH

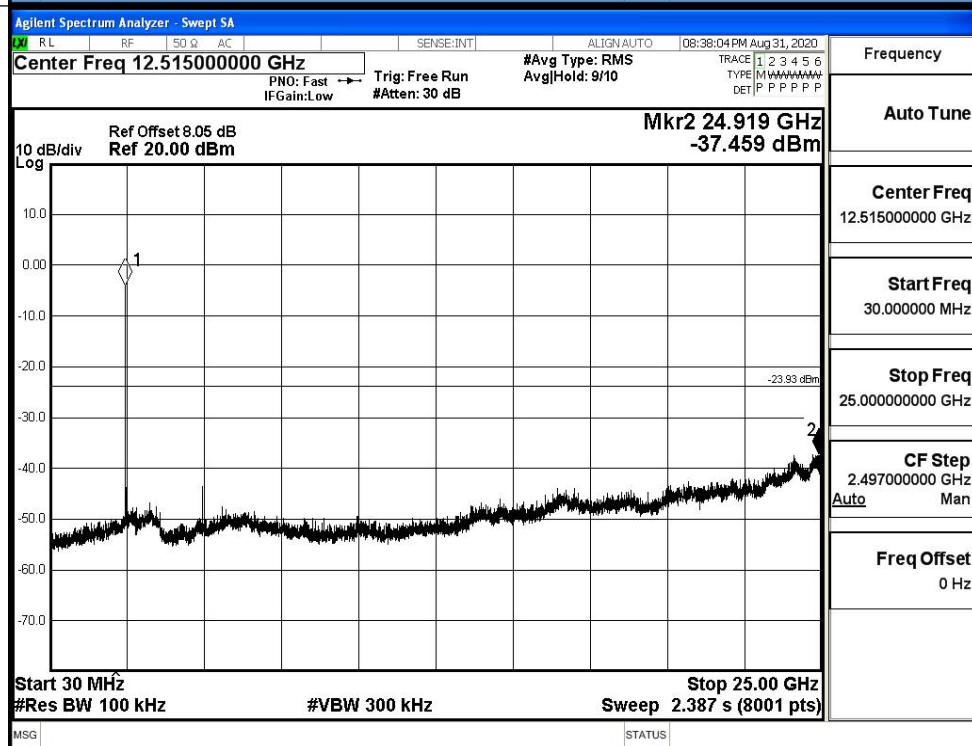


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

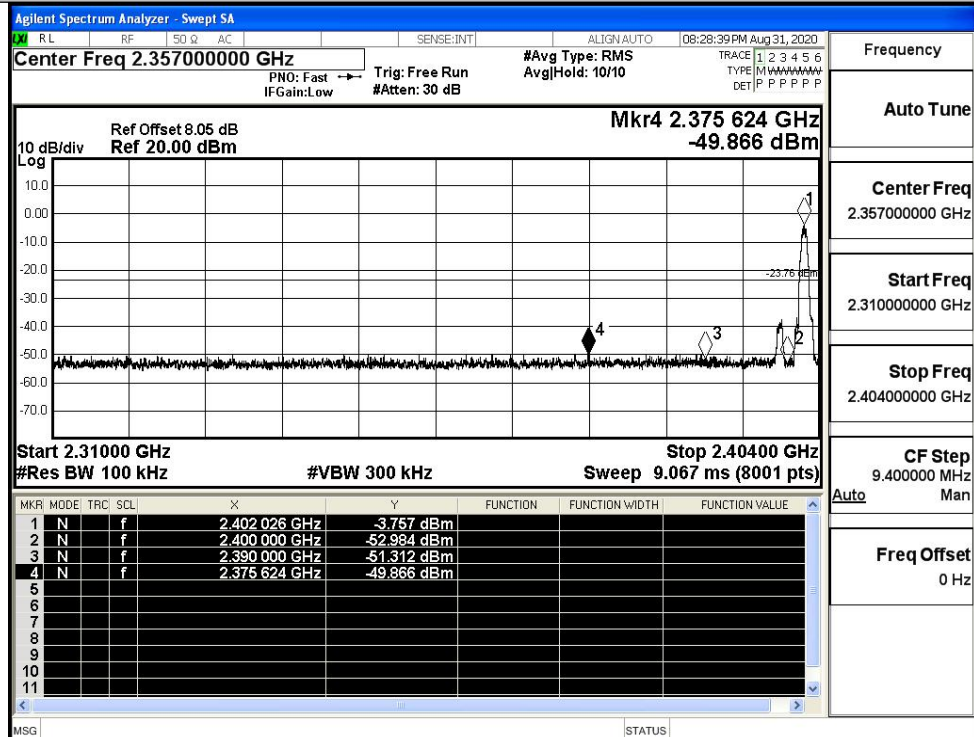


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.757	-49.866	-23.76	PASS
BT LE	HCH	-3.803	-44.778	-23.8	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

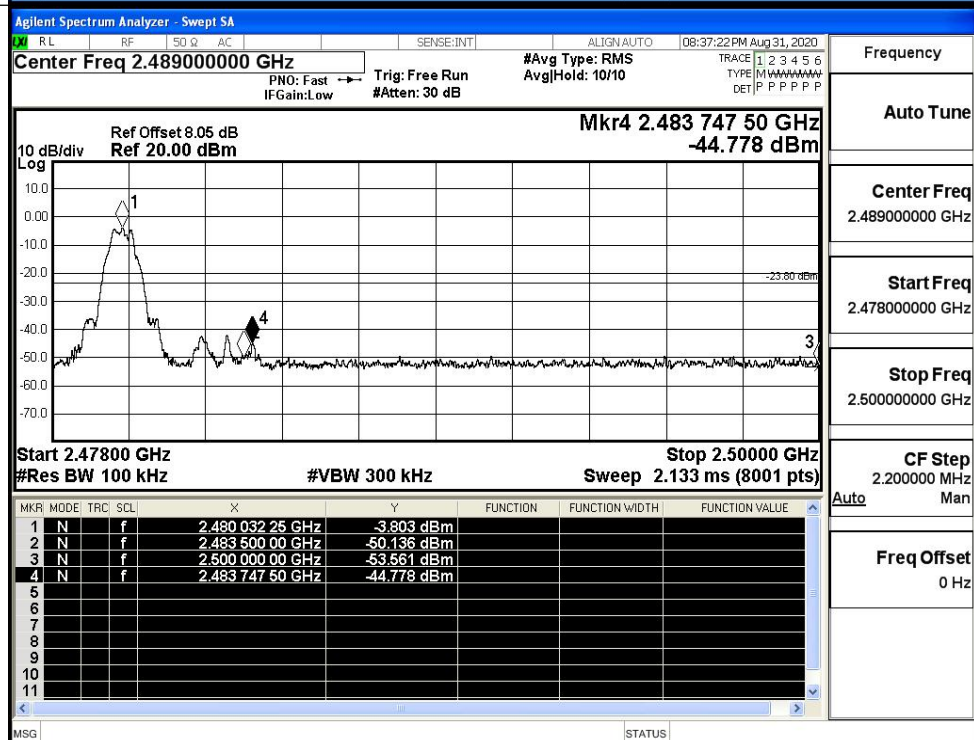
9.400000 MHz

Auto Man

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

Auto Man

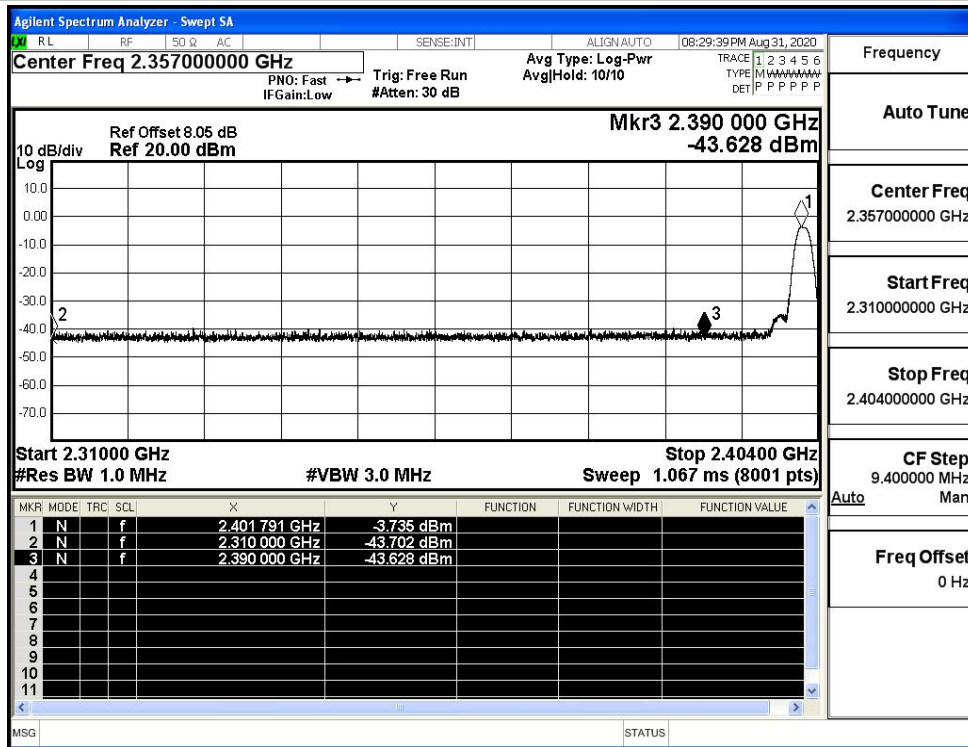
Freq Offset

0 Hz

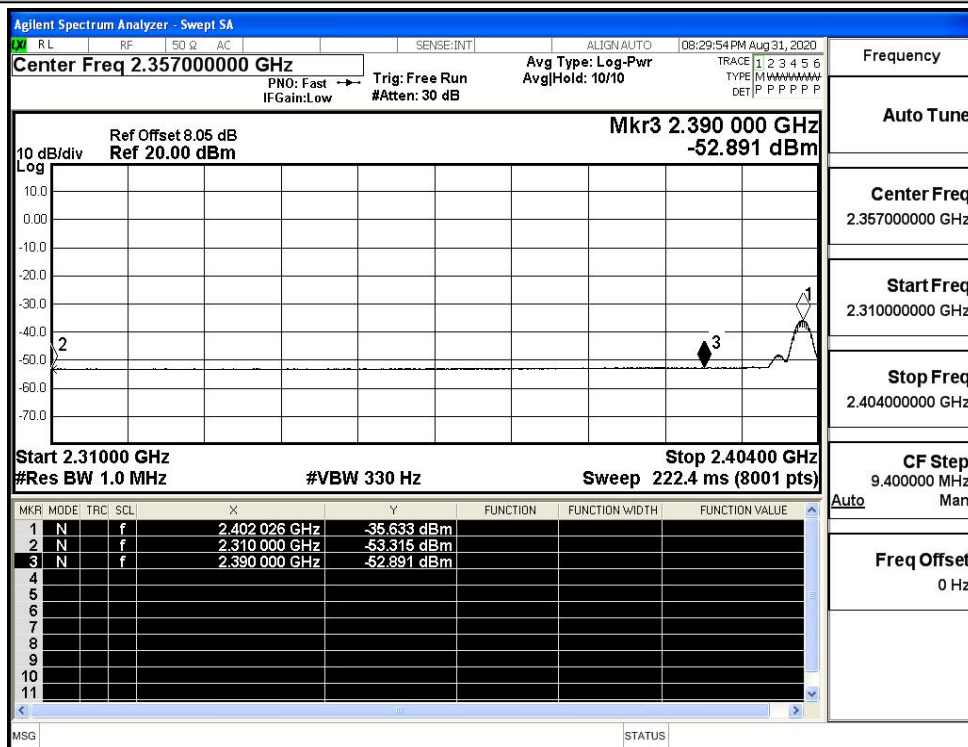
B.7 Restrict-band band-edge measurements

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	-43.70	2.0	0	53.53	PEAK	74	PASS
		Ant1	2310.0	-53.32	2.0	0	43.91	AV	54	PASS
		Ant1	2390.0	-43.63	2.0	0	53.60	PEAK	74	PASS
		Ant1	2390.0	-52.89	2.0	0	44.34	AV	54	PASS
	2480	Ant1	2483.5	-40.37	2.0	0	56.86	PEAK	74	PASS
		Ant1	2483.5	-51.26	2.0	0	45.97	AV	54	PASS
		Ant1	2500.0	-42.12	2.0	0	55.11	PEAK	74	PASS
		Ant1	2500.0	-52.14	2.0	0	45.09	AV	54	PASS

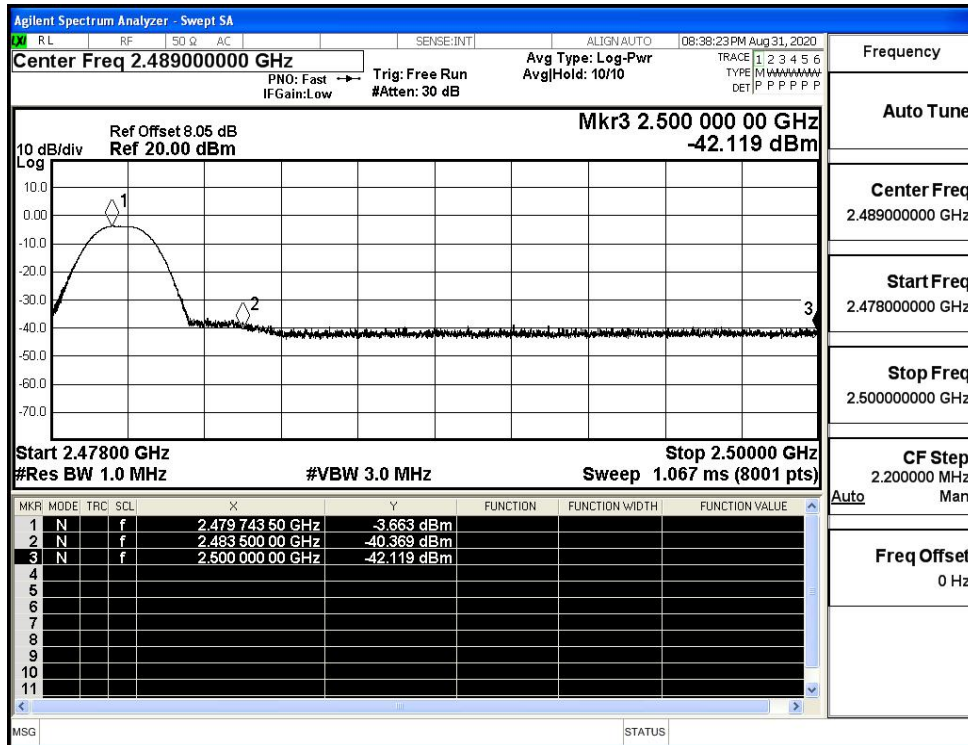
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

