

Appendix B

RF Test Data for BT V4.1(LE) (Conducted Measurement)

Product Name: e-Safety

Trade Mark: Maxi-Cosi

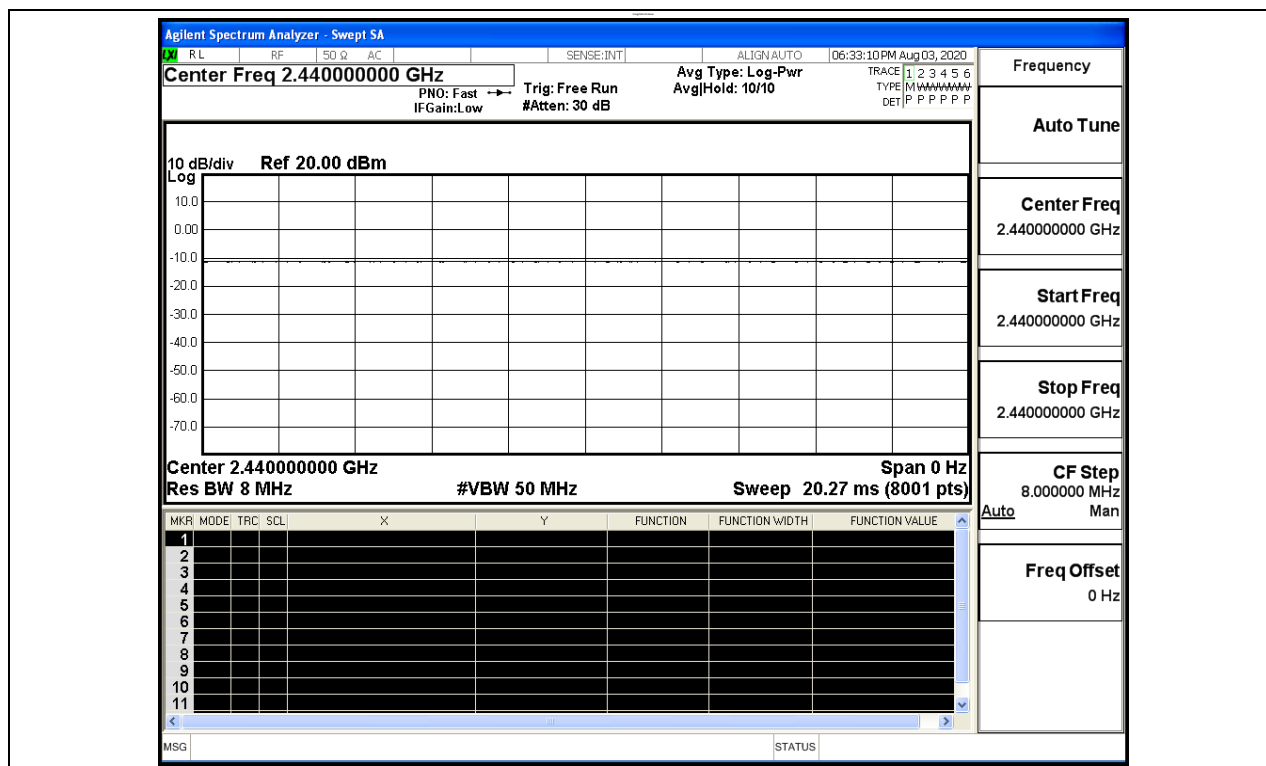
Test Model: 32602BLK

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Jam Zheng
Supervised by:	Tom.Liu

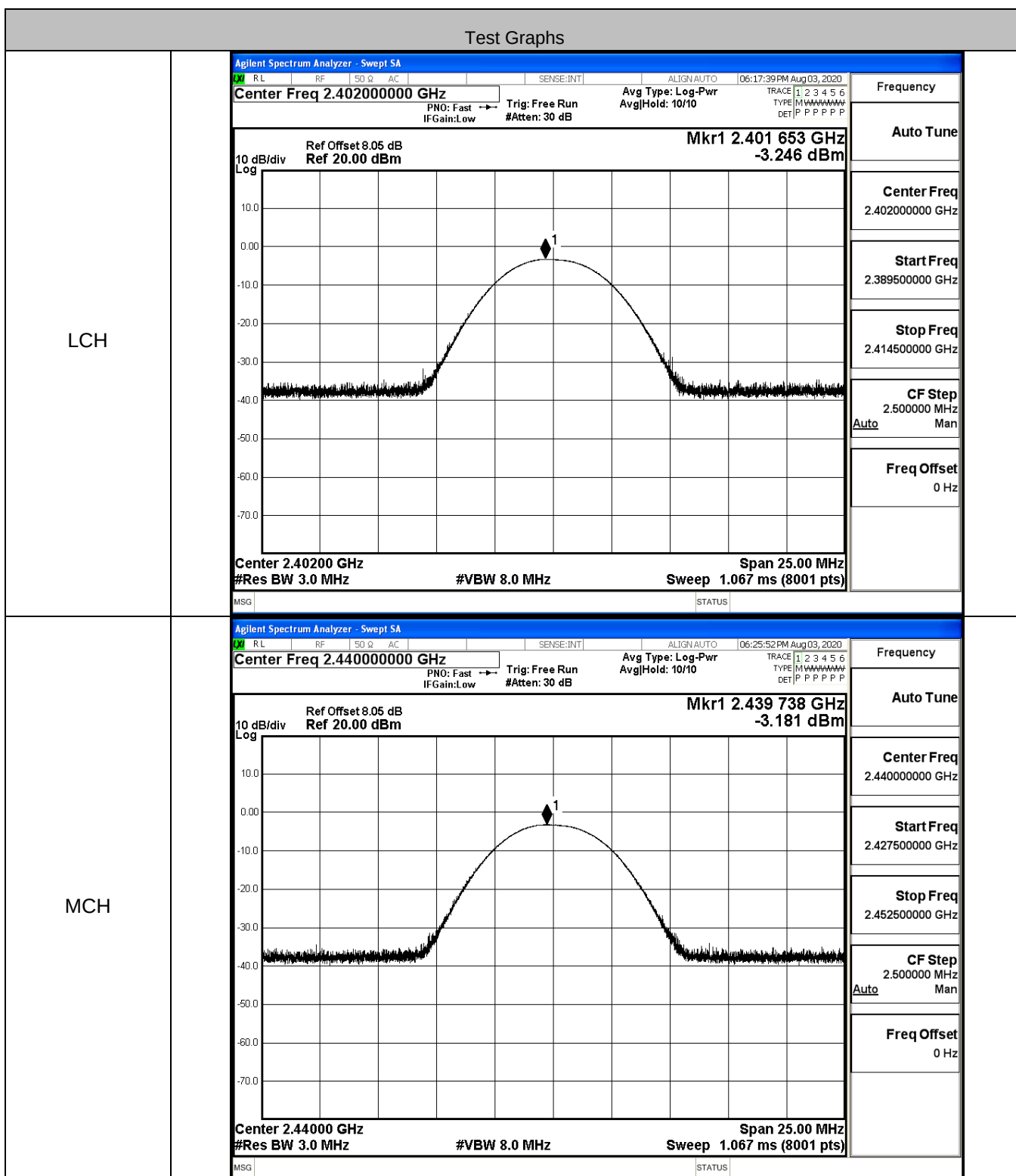
B.1 Duty Cycle

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

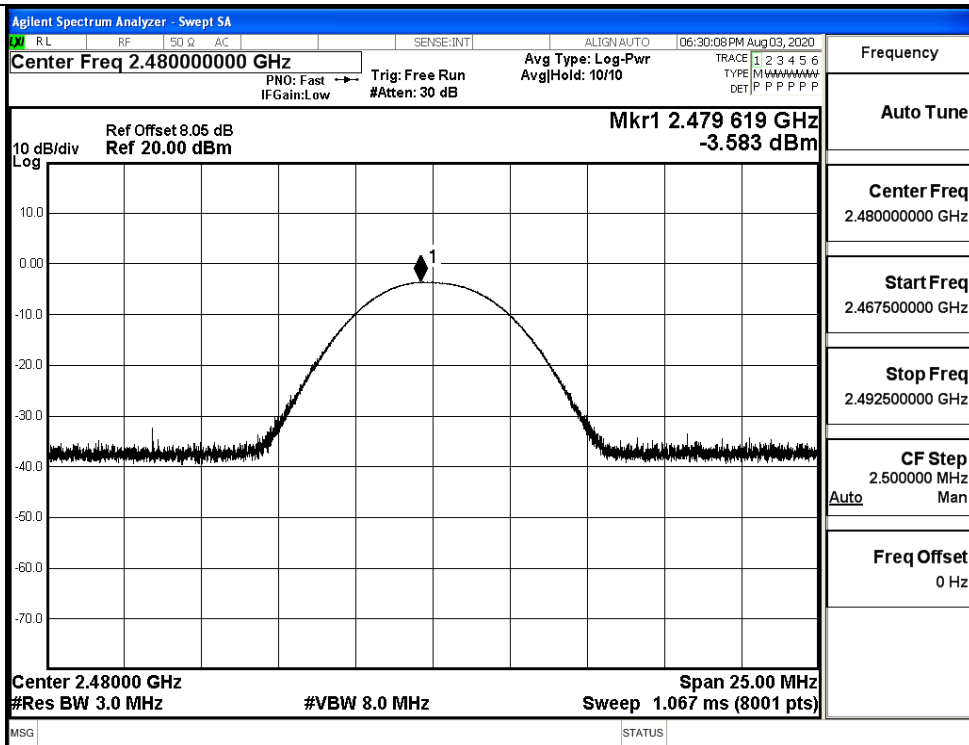


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.246	30	PASS
BT LE	MCH	-3.181	30	PASS
BT LE	HCH	-3.583	30	PASS



HCH

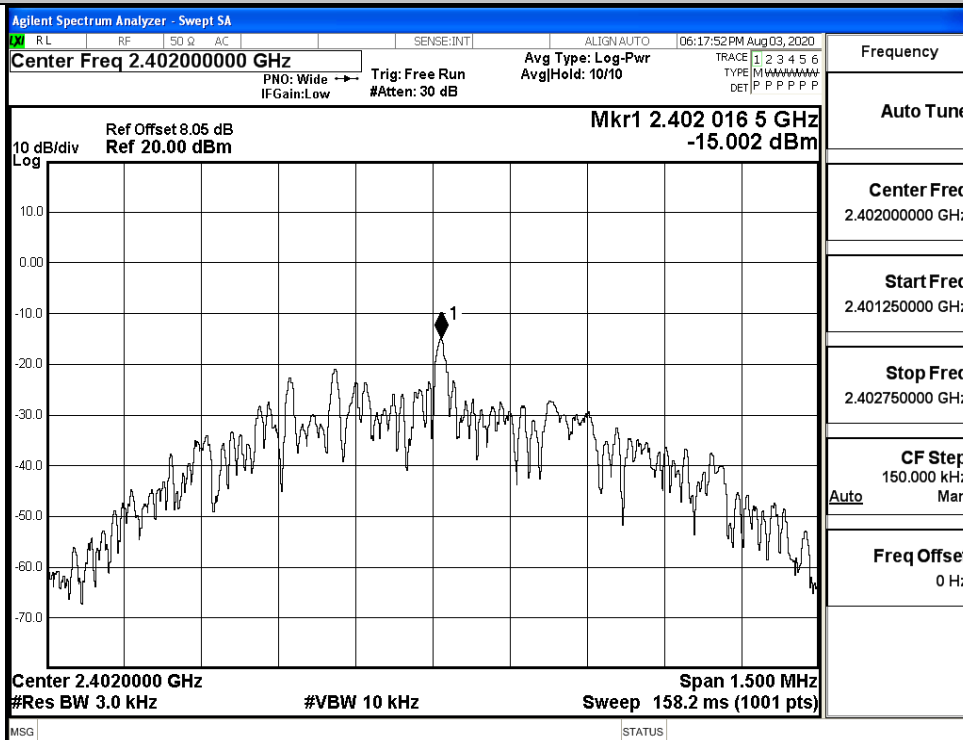


B.3 Maximum Power Spectral Density

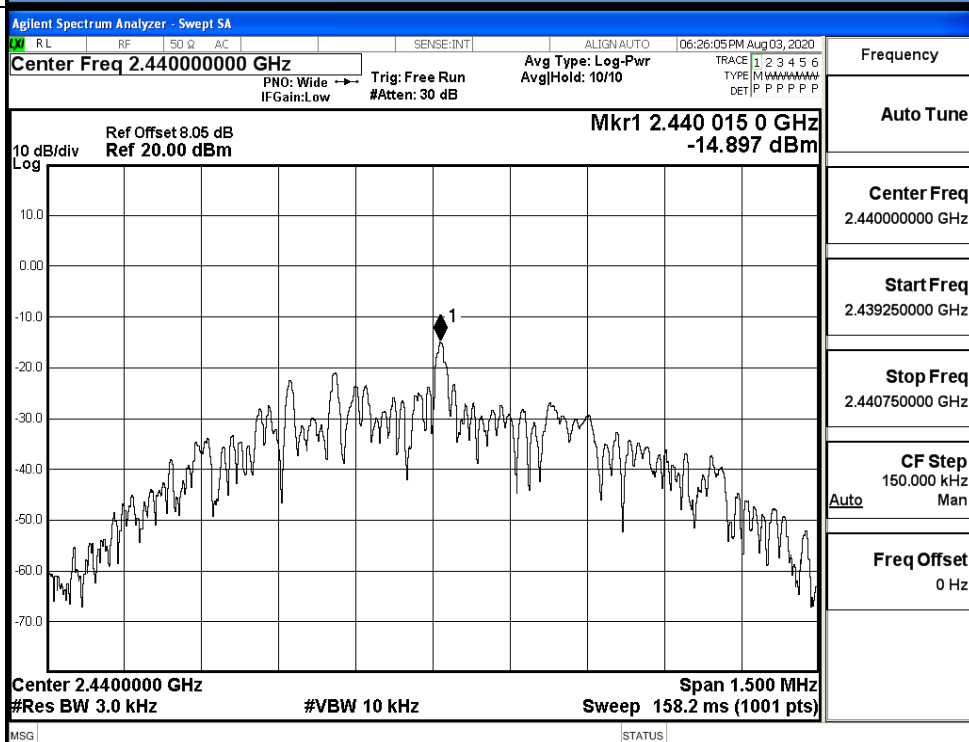
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.002	8	PASS
BT LE	MCH	-14.897	8	PASS
BT LE	HCH	-15.299	8	PASS

Test Graphs

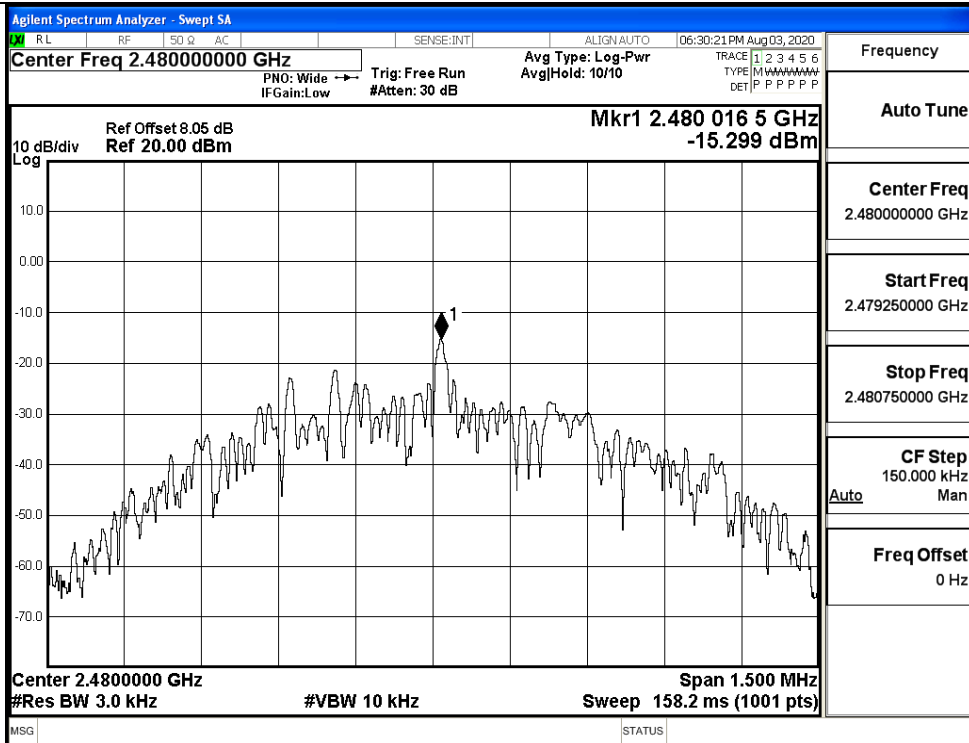
LCH



MCH



HCH

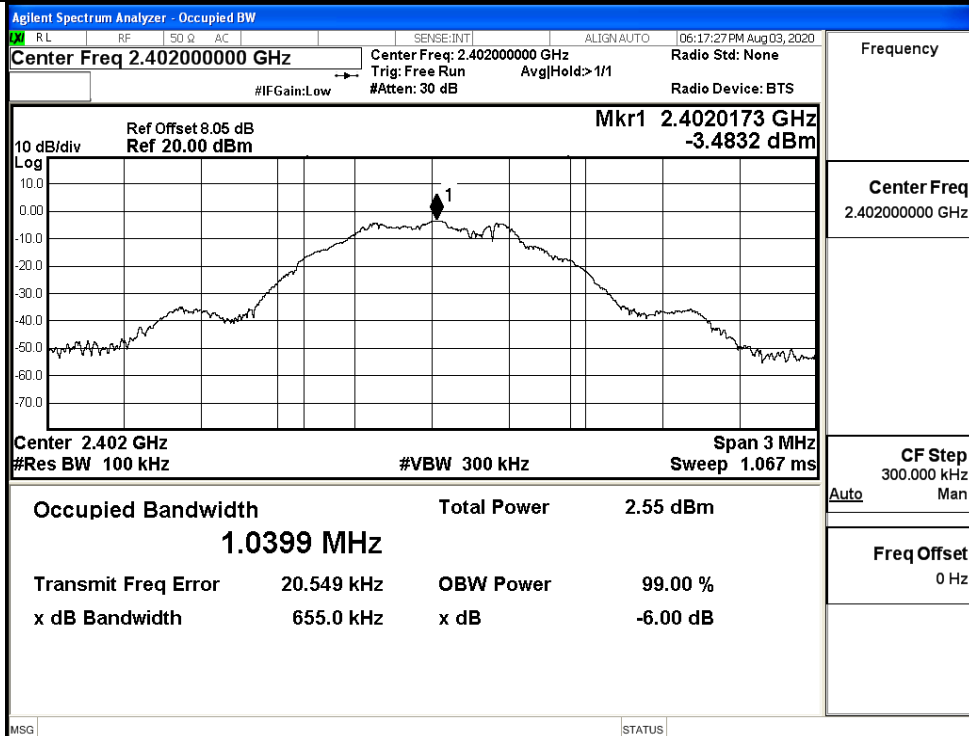


B.4 6dB Bandwidth

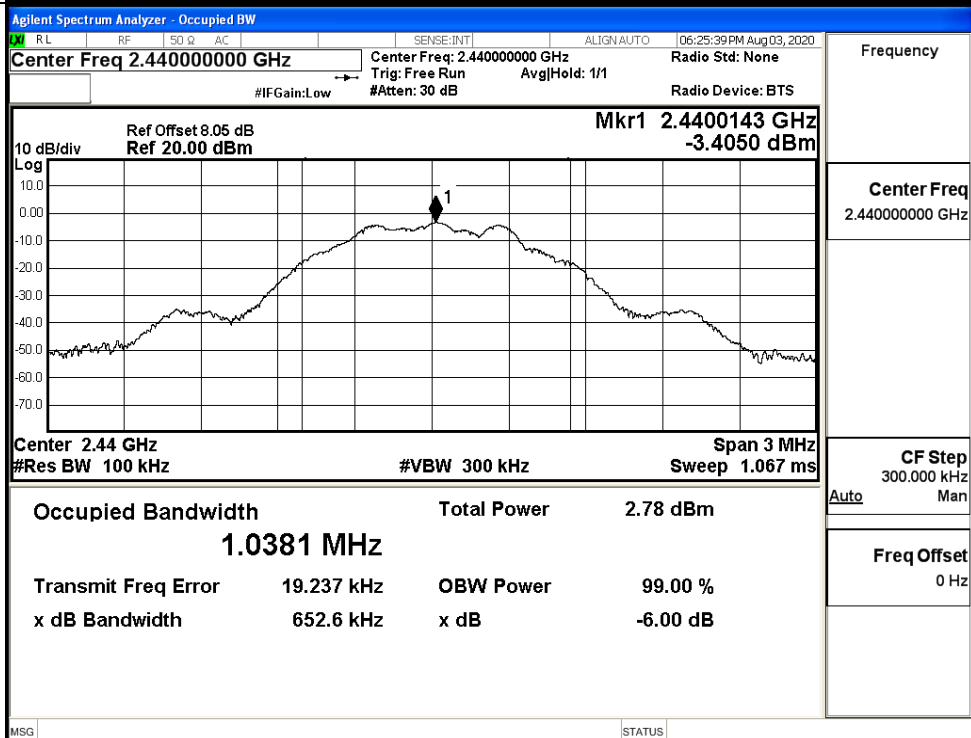
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6550	≥ 0.5	PASS
BT LE	MCH	0.6526	≥ 0.5	PASS
BT LE	HCH	0.6510	≥ 0.5	PASS

Test Graphs

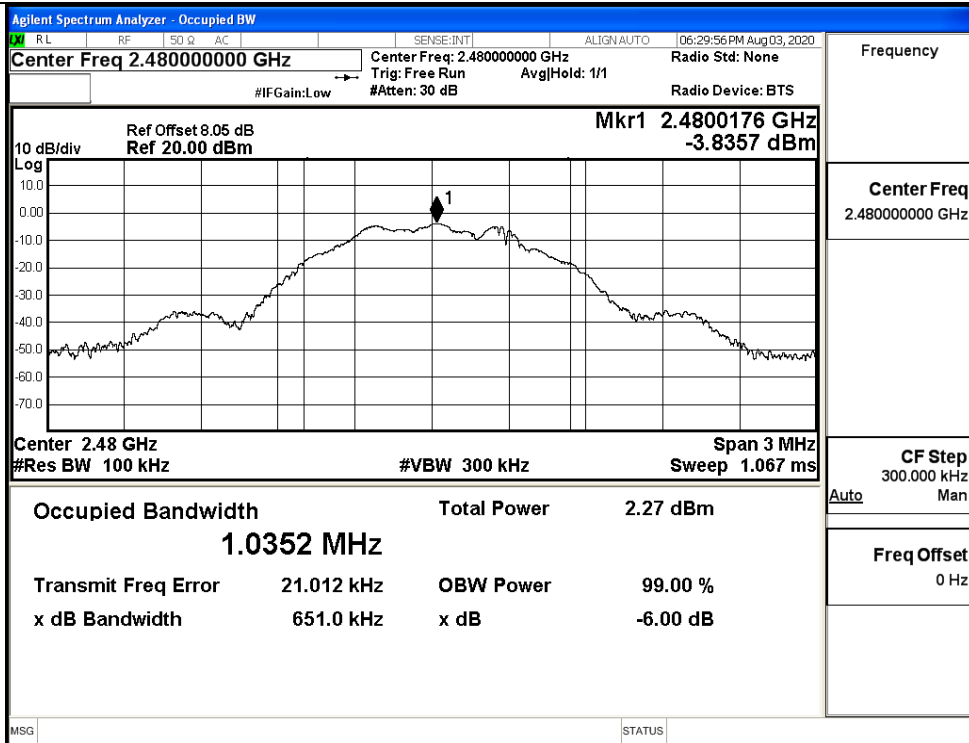
LCH



MCH



HCH



B.5 Occupied Bandwidth

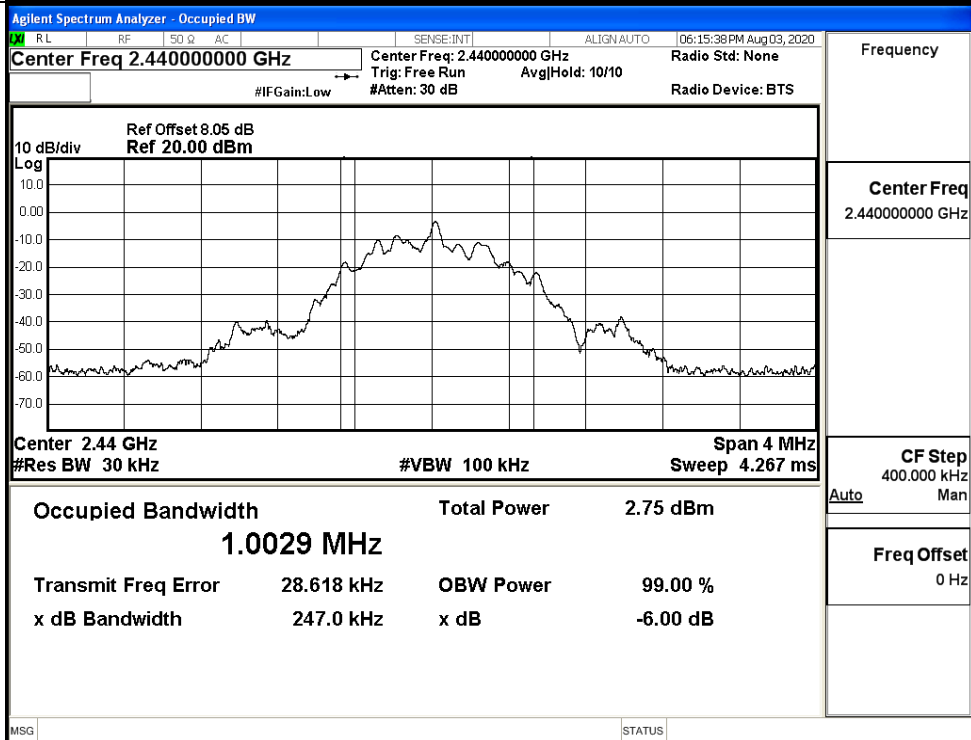
Mode	Channel	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.0007	≥ 0.5	PASS
BT LE	MCH	1.0029	≥ 0.5	PASS
BT LE	HCH	1.0012	≥ 0.5	PASS

Test Graphs

LCH



MCH



HCH

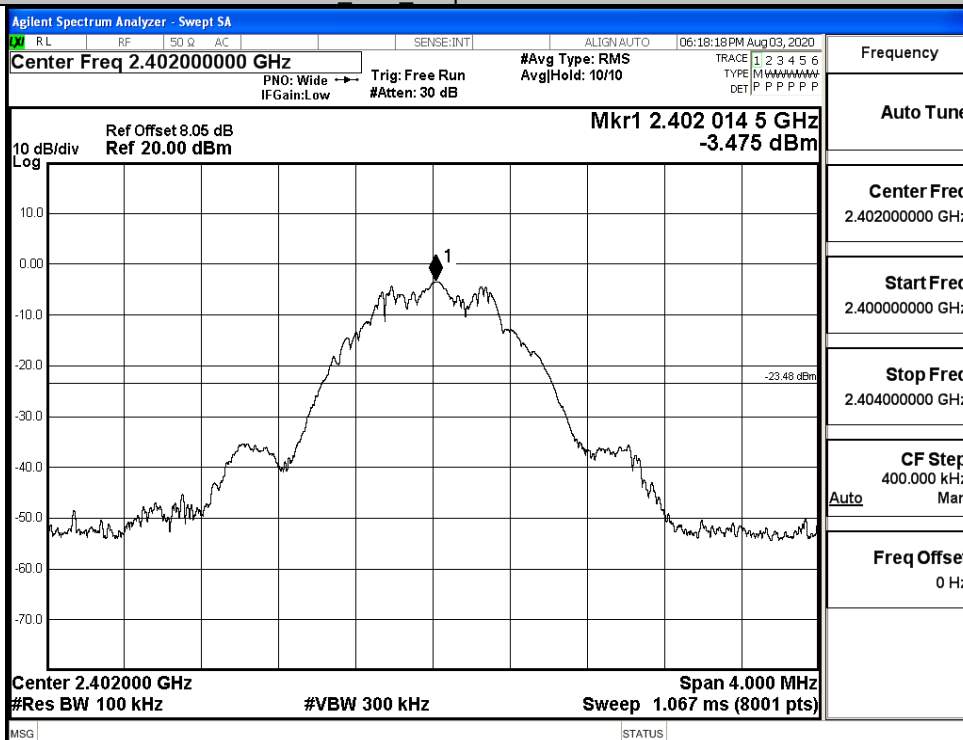


B.6 RF Conducted Spurious Emissions

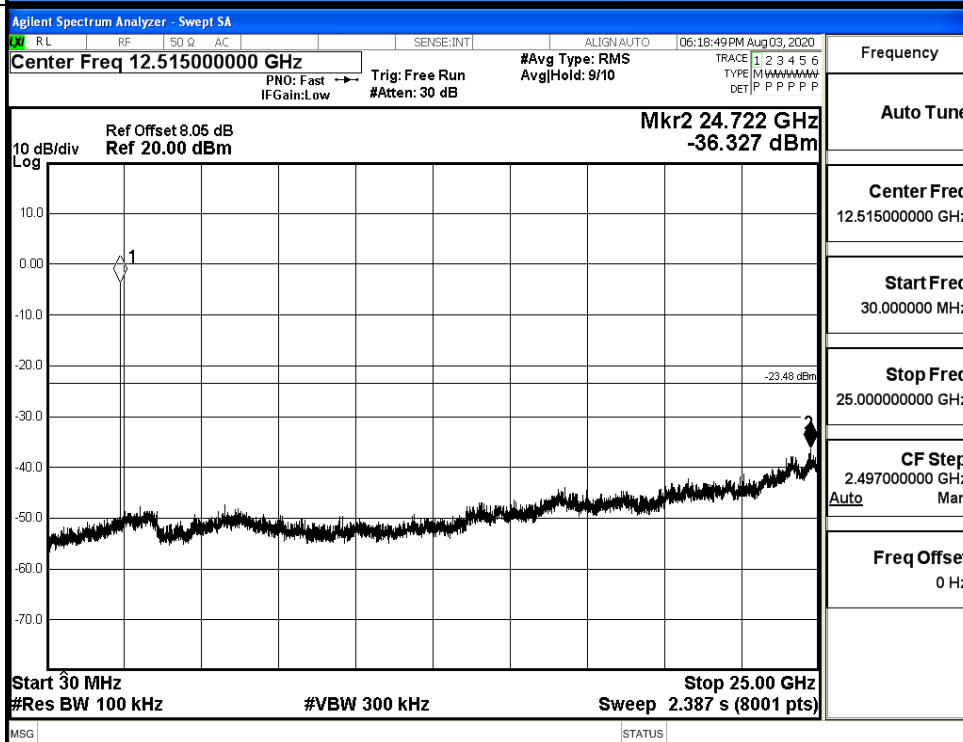
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.475	-36.327	-23.475	PASS
BT LE	MCH	-3.415	-36.868	-23.415	PASS
BT LE	HCH	-3.858	-37.380	-23.858	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

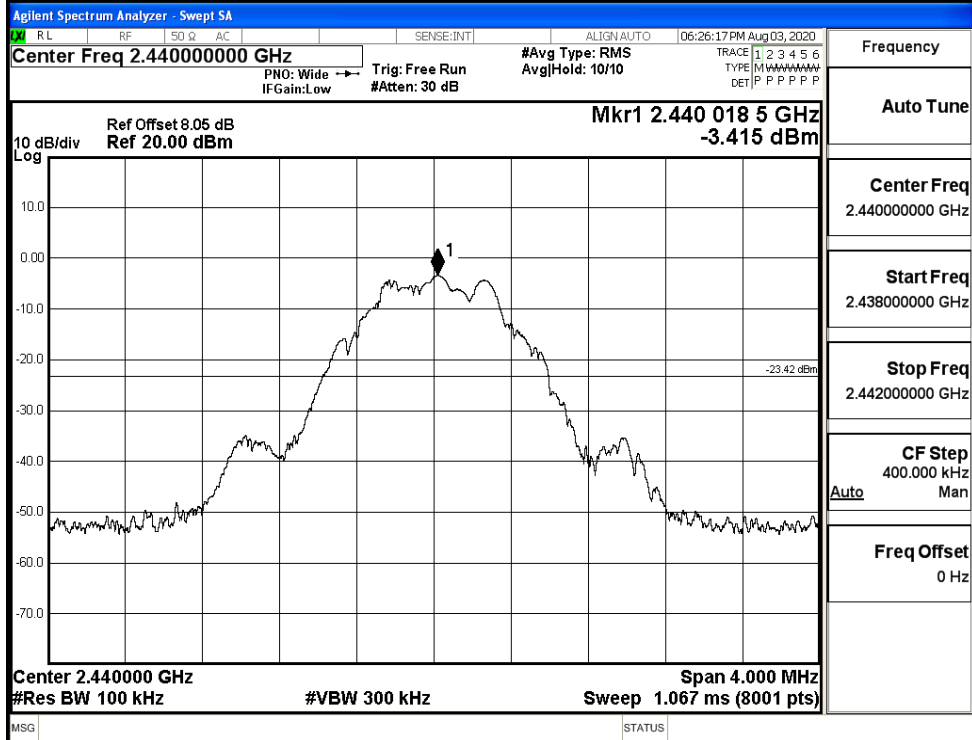


Puw/BT LE/LCH

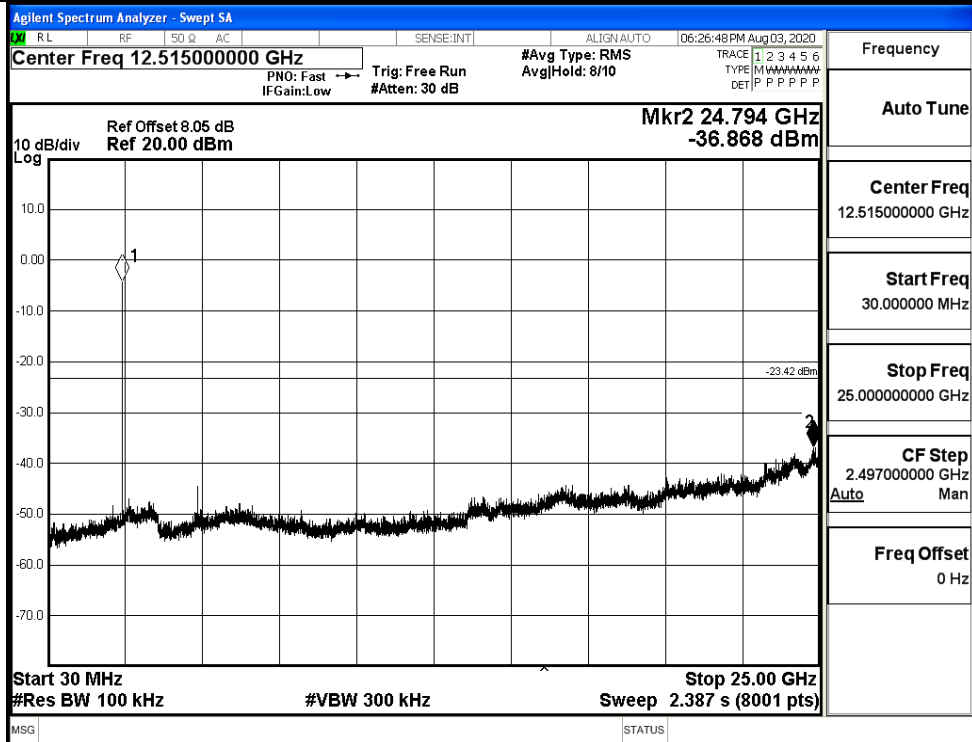


BT LE MCH Graphs

Pref/BT LE/MCH

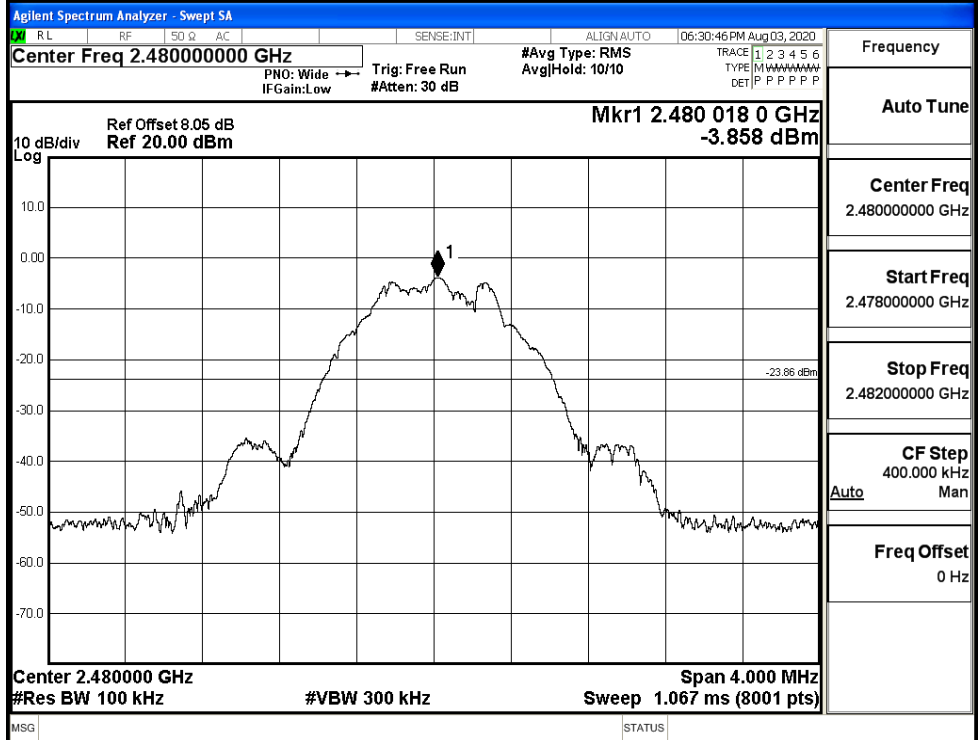


Puw/BT LE/MCH

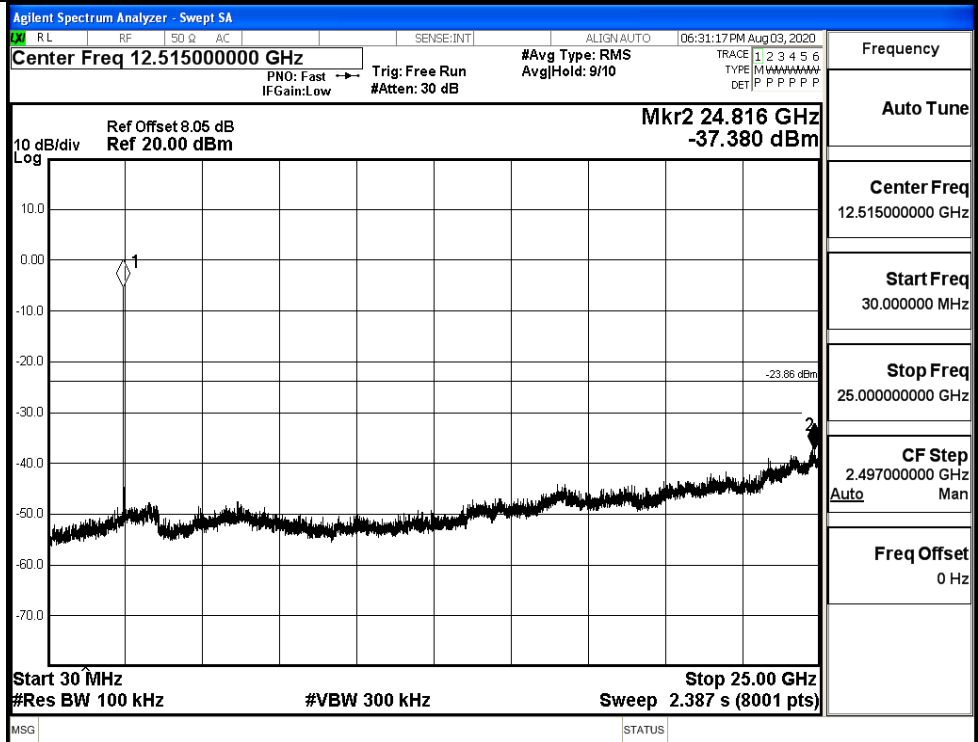


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

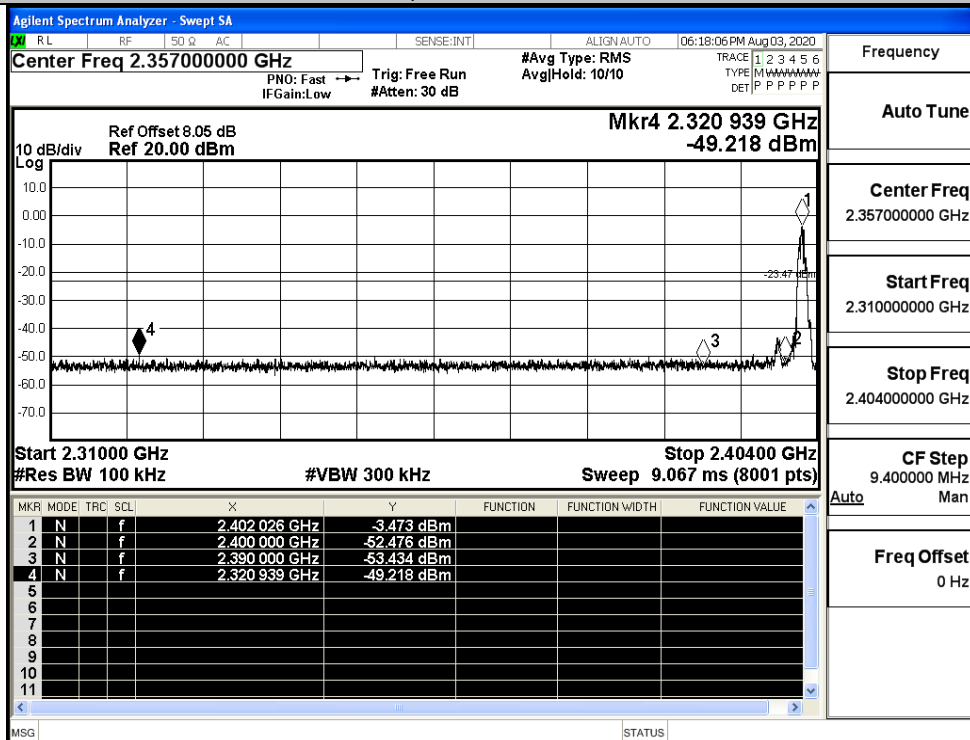


B.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.473	-49.218	-23.47	PASS
BT LE	HCH	-3.736	-44.730	-23.74	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

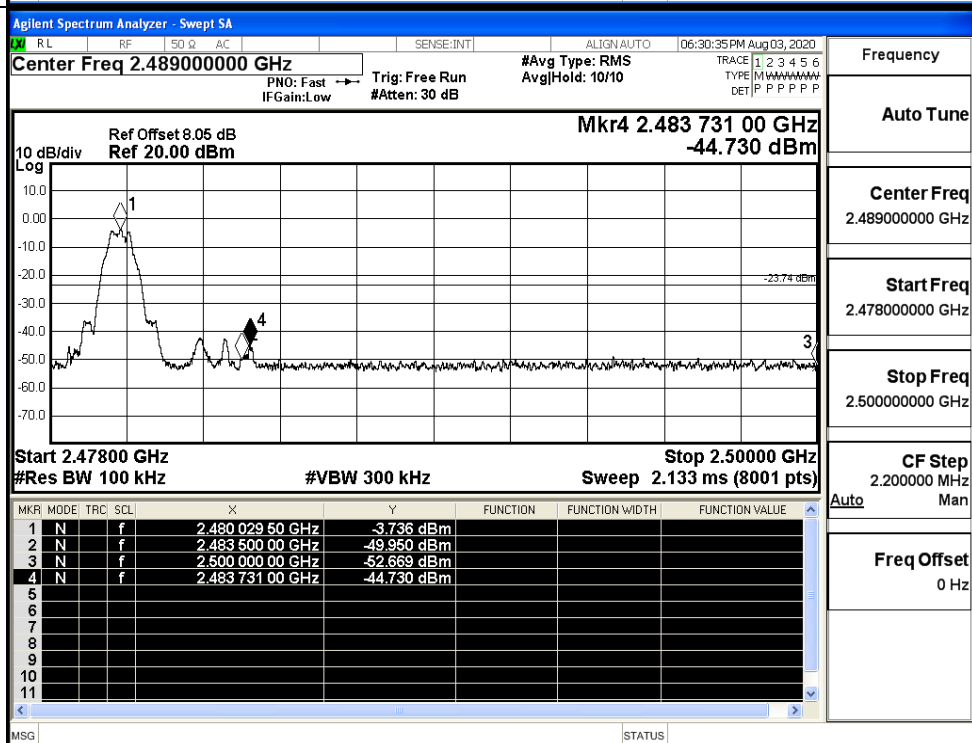
9.400000 MHz

Auto

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

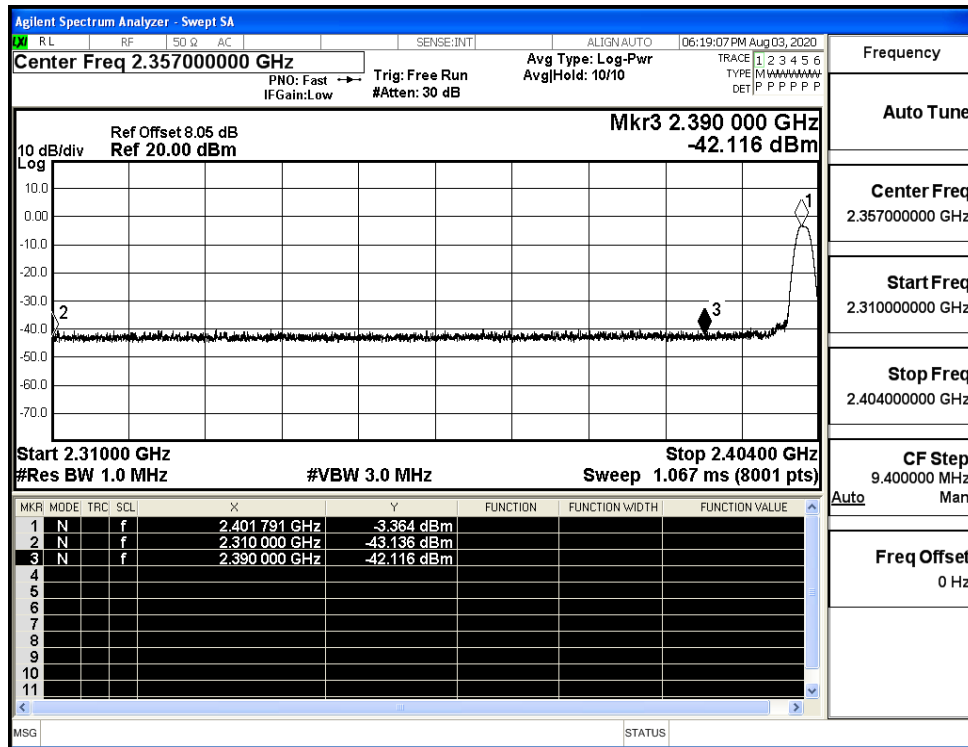
Freq Offset

0 Hz

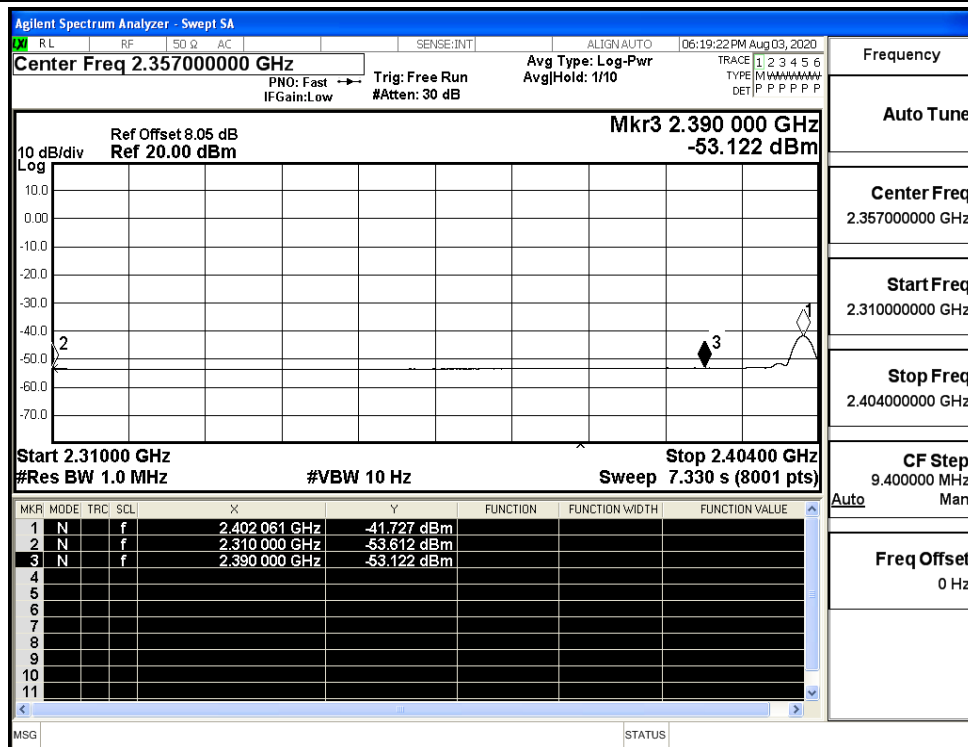
B.8 Restrict-band band-edge measurements

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	-43.14	2.0	0	52.12	PEAK	74	PASS
		Ant1	2310.0	-53.61	2.0	0	41.65	AV	54	PASS
		Ant1	2390.0	-42.12	2.0	0	53.14	PEAK	74	PASS
		Ant1	2390.0	-53.12	2.0	0	42.14	AV	54	PASS
	2480	Ant1	2483.5	-40.48	2.0	0	54.78	PEAK	74	PASS
		Ant1	2483.5	-51.75	2.0	0	43.50	AV	54	PASS
		Ant1	2500.0	-41.64	2.0	0	53.62	PEAK	74	PASS
		Ant1	2500.0	-52.55	2.0	0	42.71	AV	54	PASS

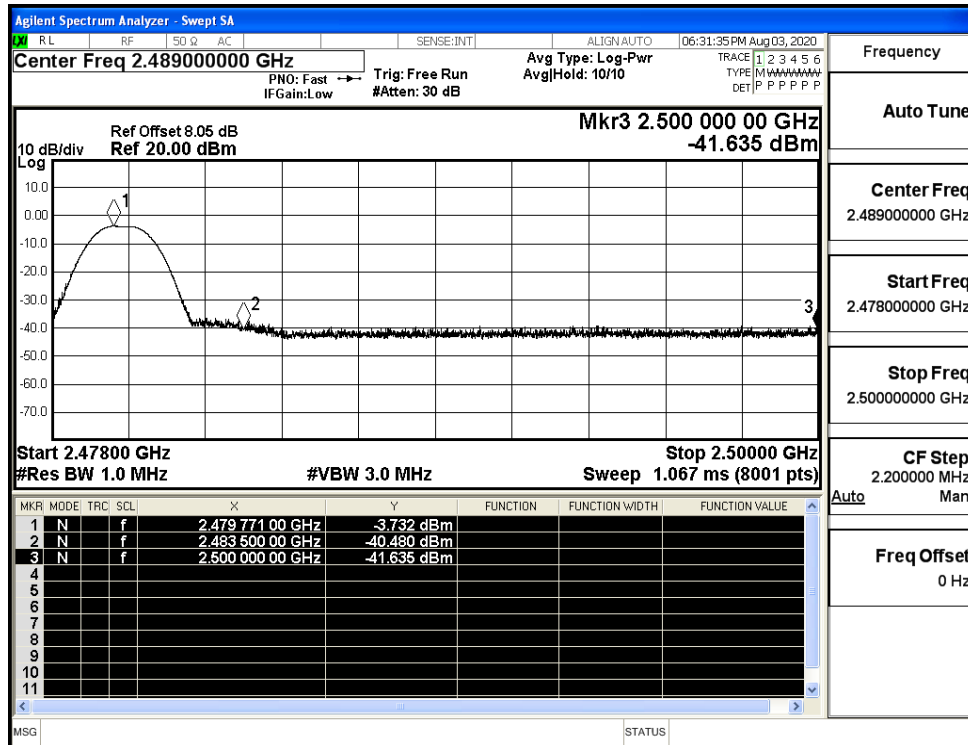
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

