

Appendix A

RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)

Product Name: JingBao kid Smart Eyeglasses G1

Trade Mark: 

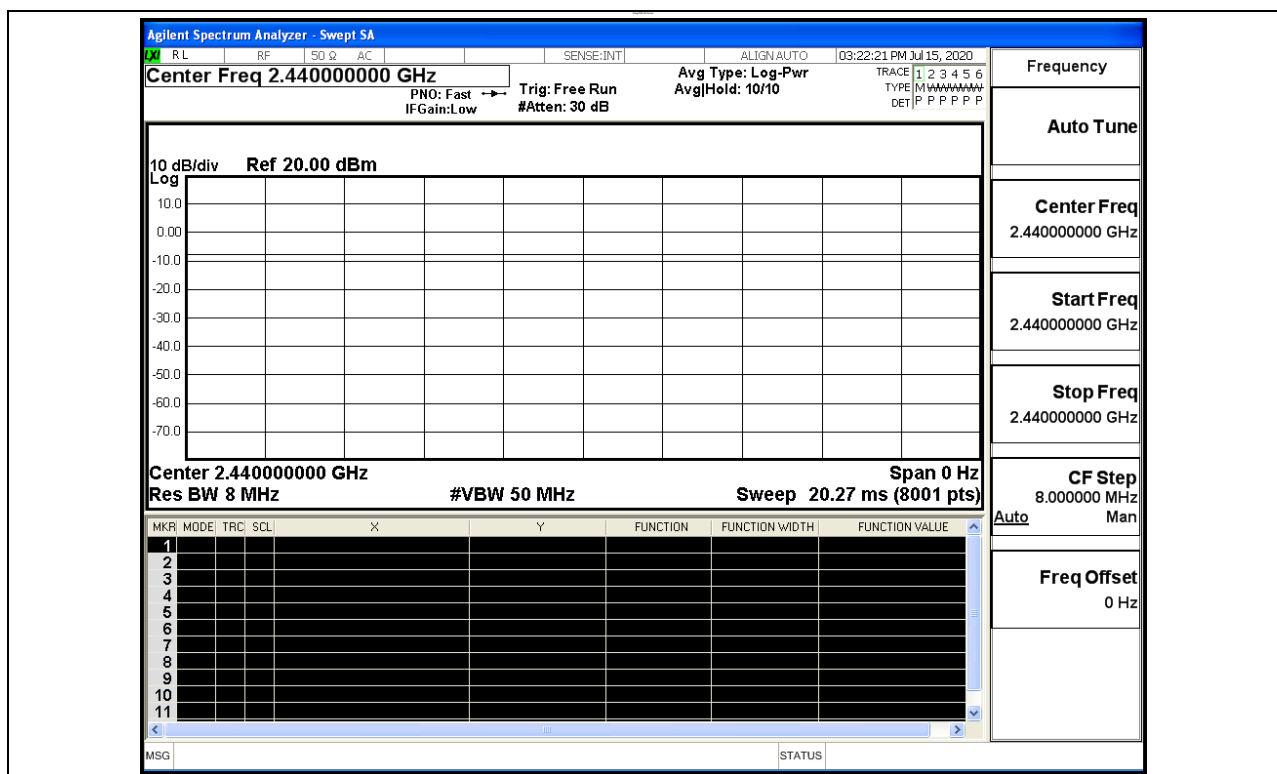
Test Model: G1

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

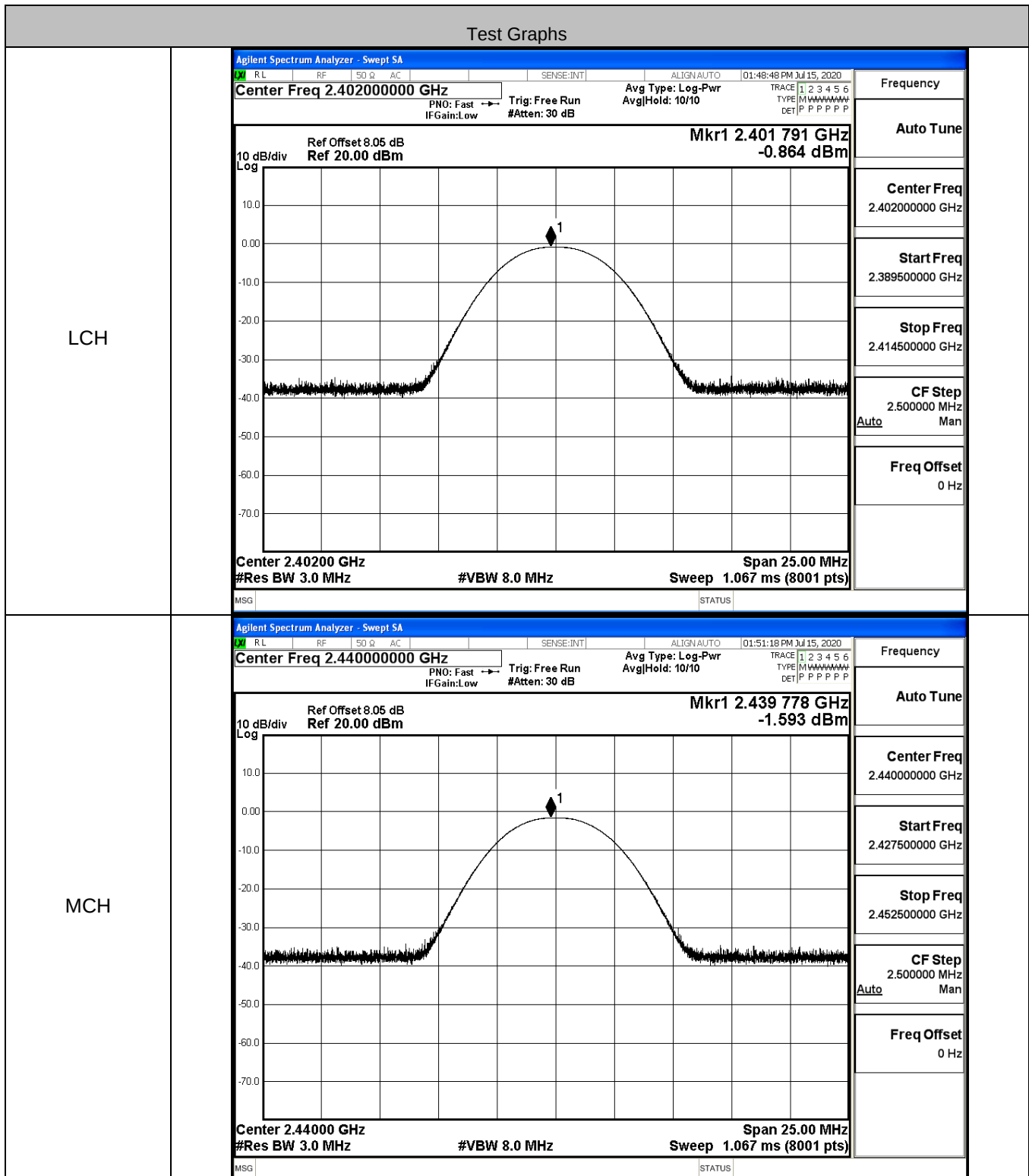
A.1 Duty Cycle

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

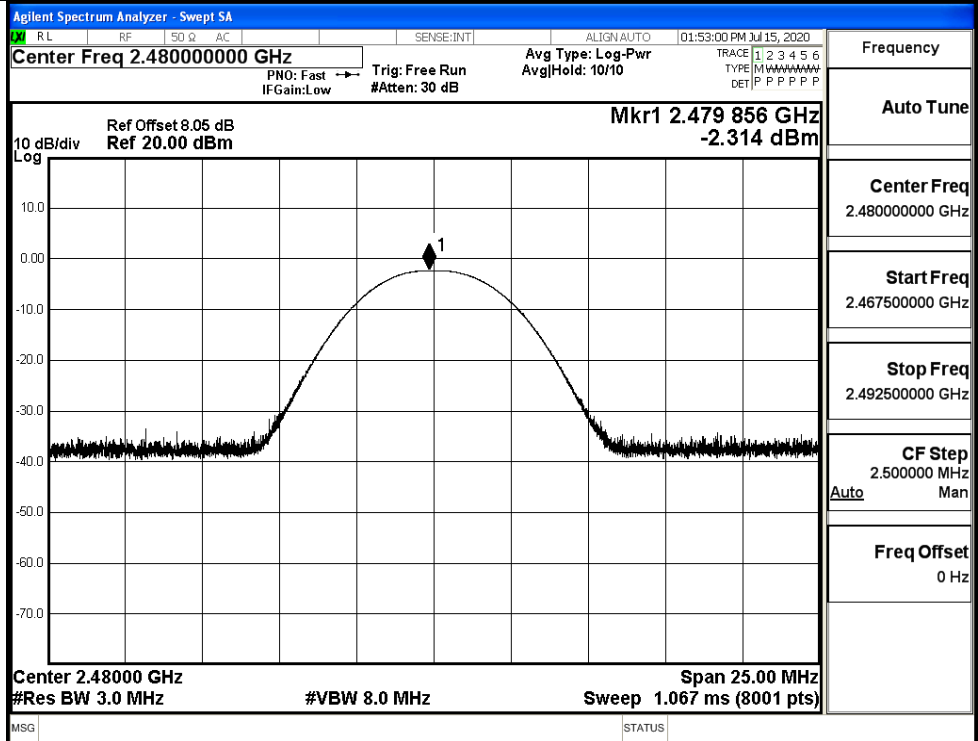


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.864	30	PASS
BT LE	MCH	-1.593	30	PASS
BT LE	HCH	-2.314	30	PASS



HCH

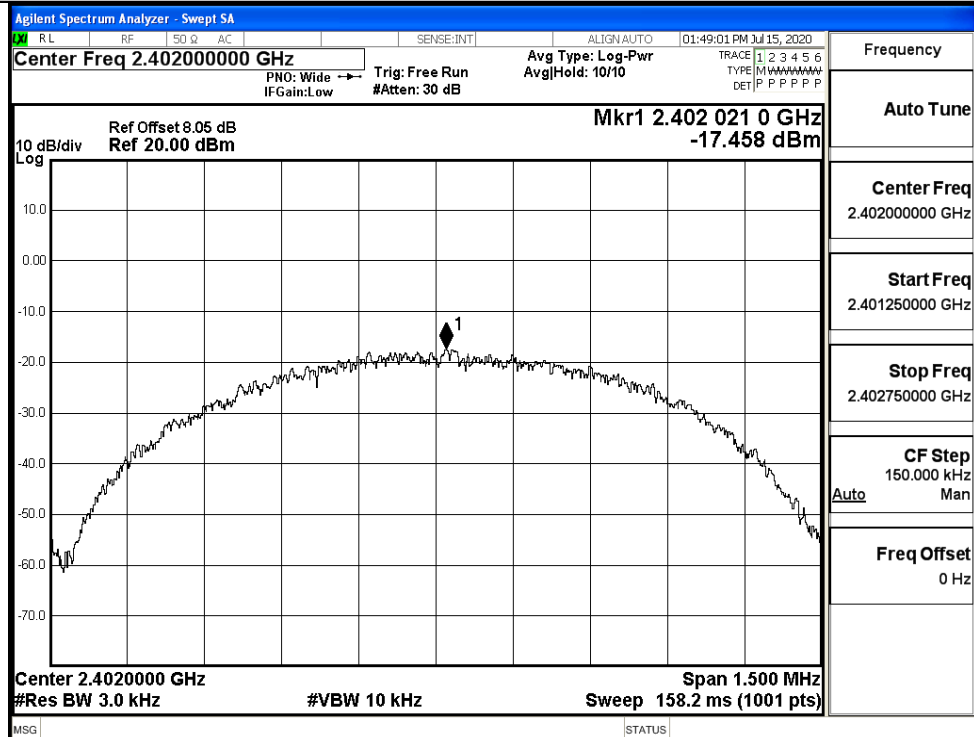


A.3 Maximum Power Spectral Density

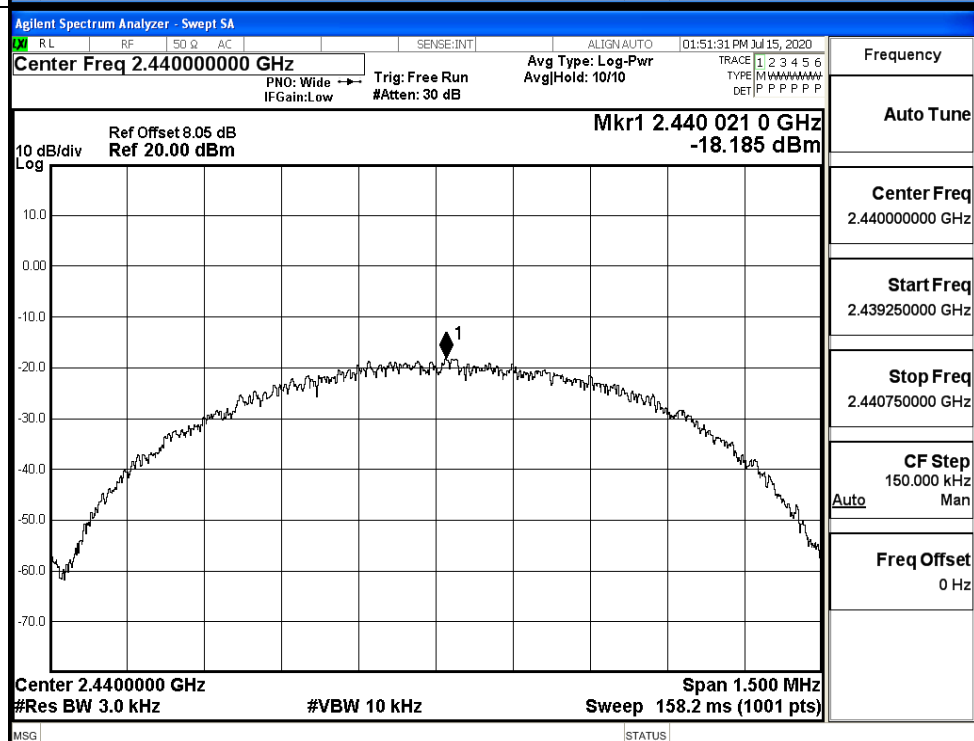
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.458	8	PASS
BT LE	MCH	-18.185	8	PASS
BT LE	HCH	-18.791	8	PASS

Test Graphs

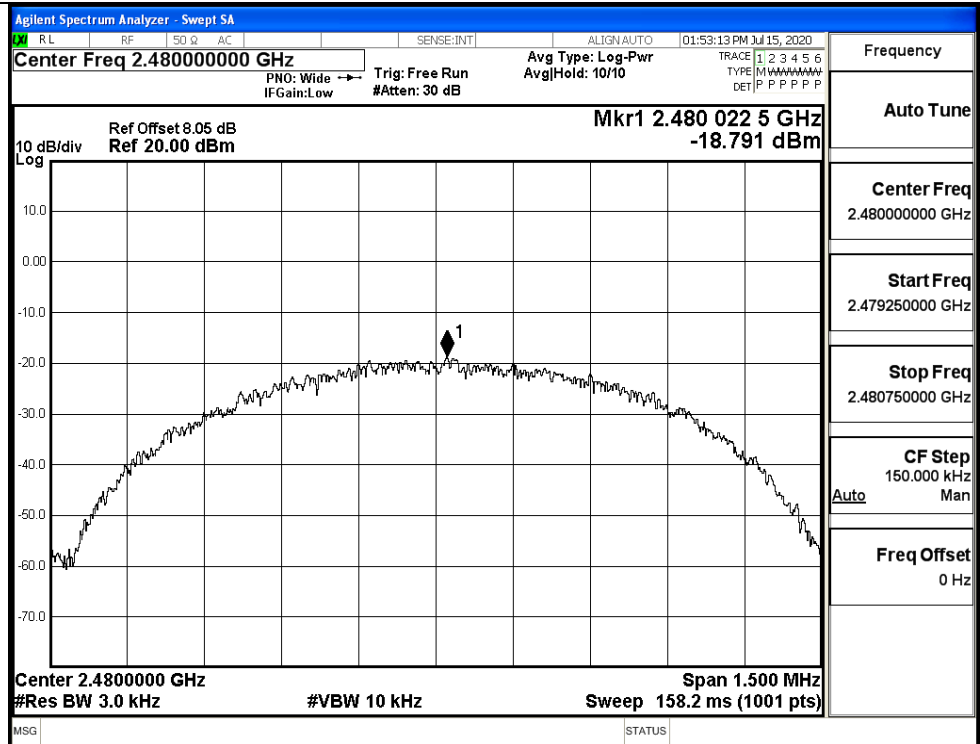
LCH



MCH



HCH

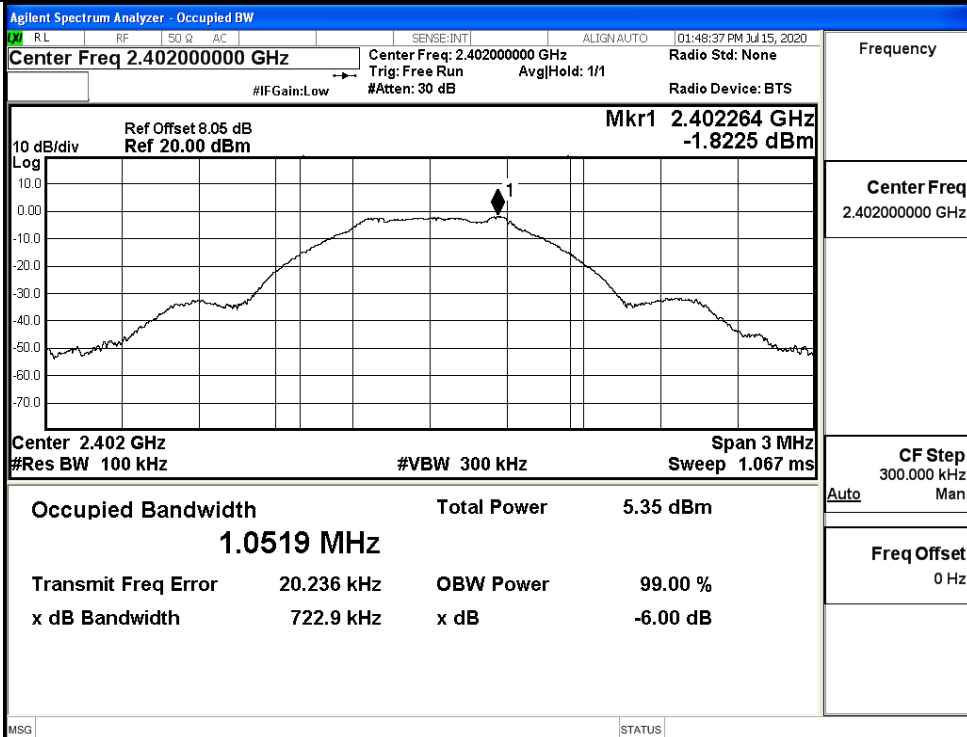


A.4 6dB Bandwidth

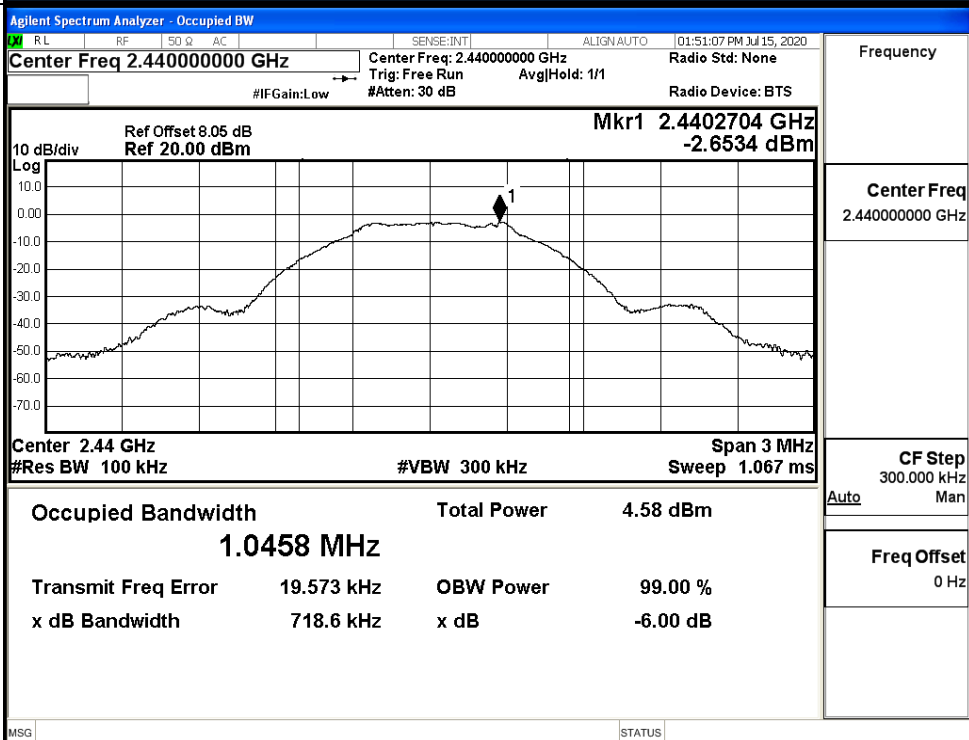
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7229	≥ 0.5	PASS
BT LE	MCH	0.7186	≥ 0.5	PASS
BT LE	HCH	0.7236	≥ 0.5	PASS

Test Graphs

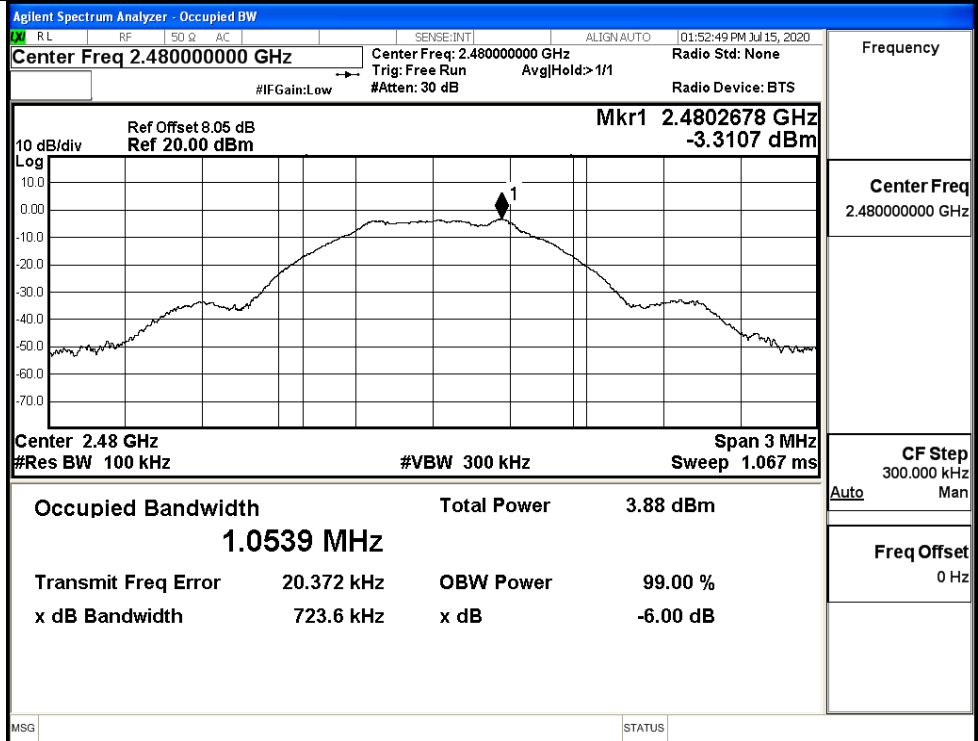
LCH



MCH



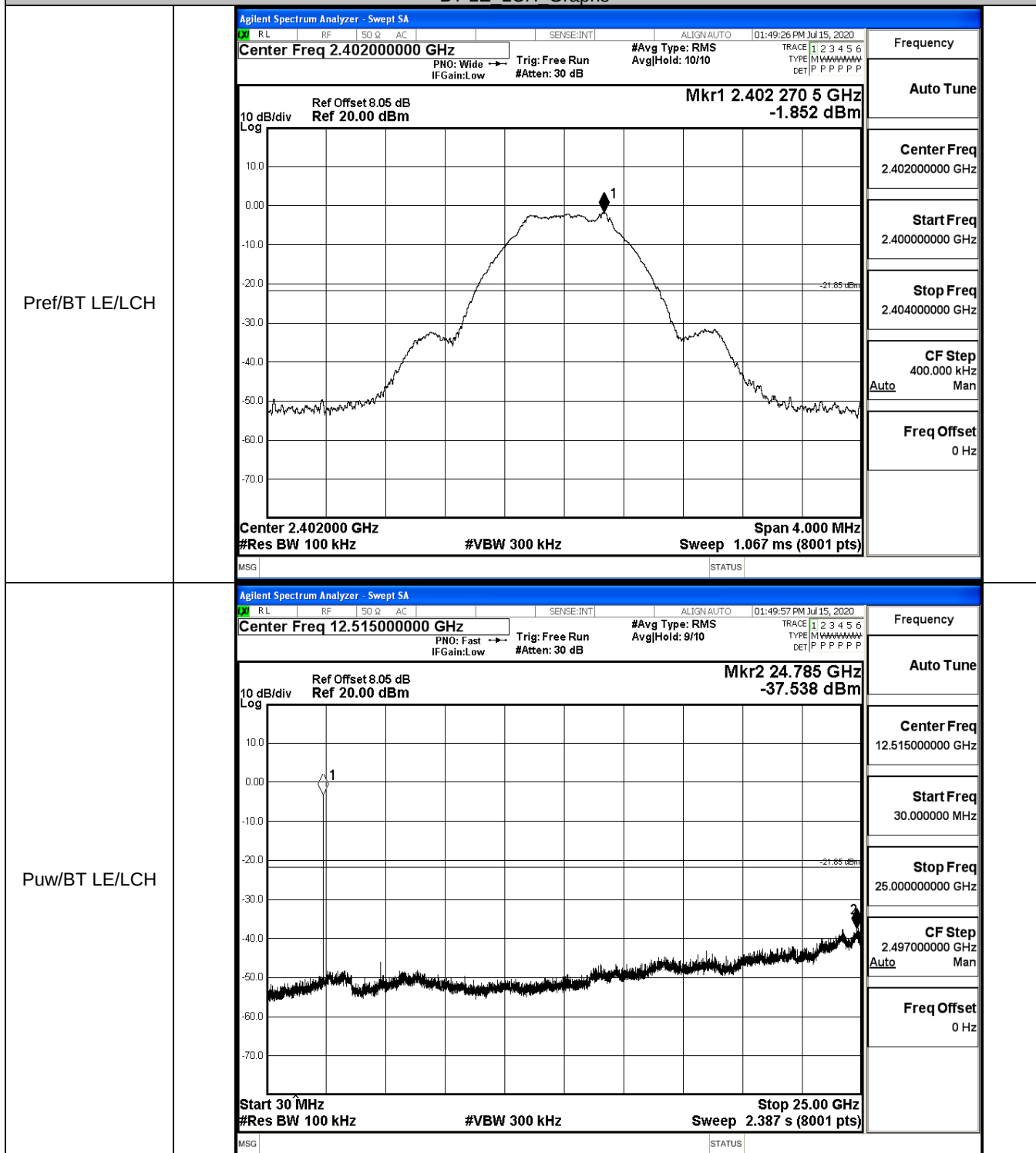
HCH



A.5 RF Conducted Spurious Emissions

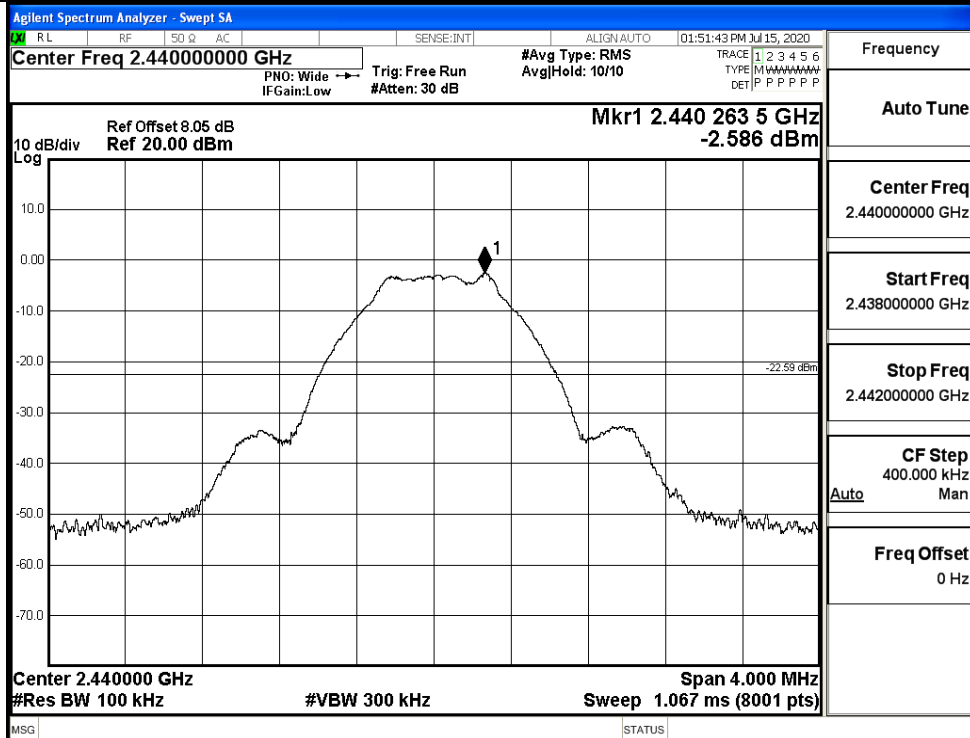
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.852	-37.538	-21.852	PASS
BT LE	MCH	-2.586	-37.505	-22.586	PASS
BT LE	HCH	-3.418	-36.535	-23.418	PASS

BT LE LCH Graphs

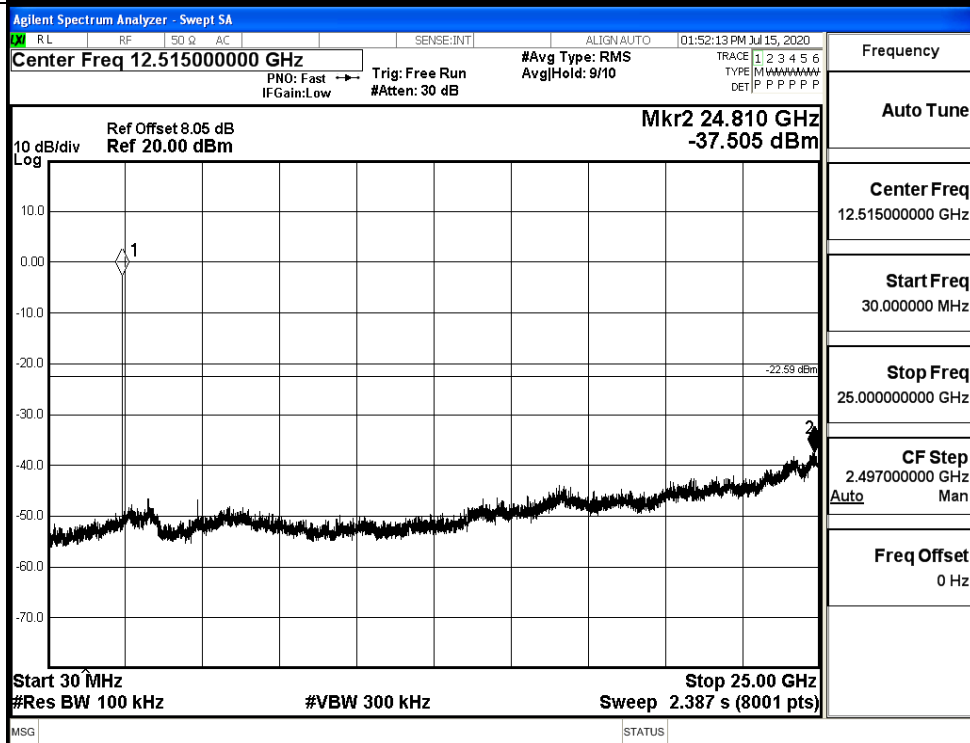


BT LE MCH Graphs

Pref/BT LE/MCH

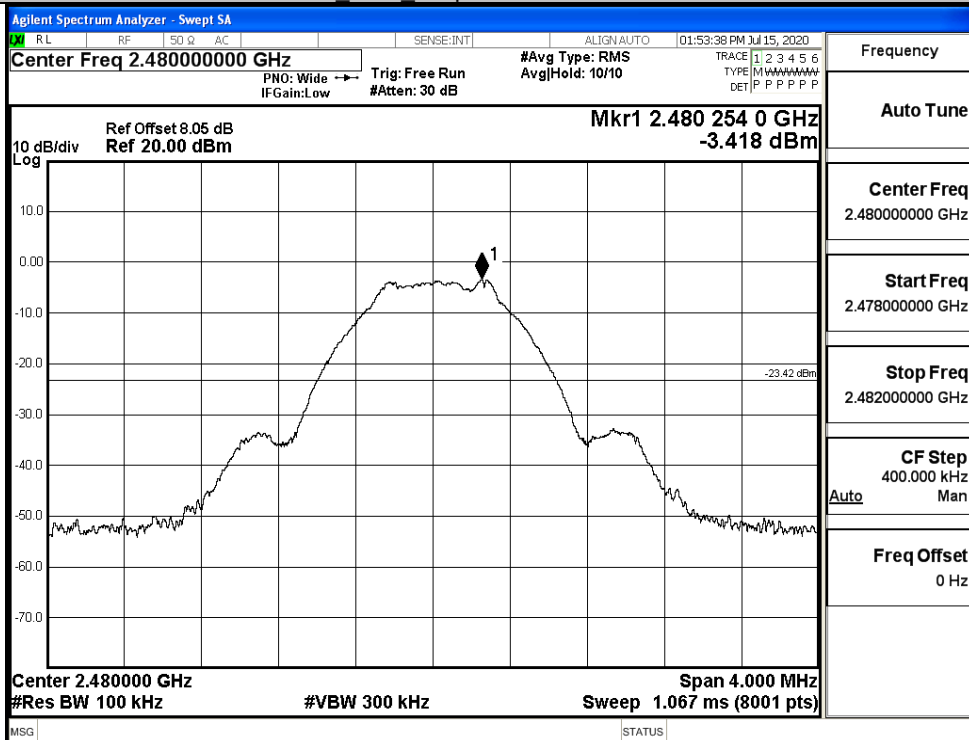


Puw/BT LE/MCH

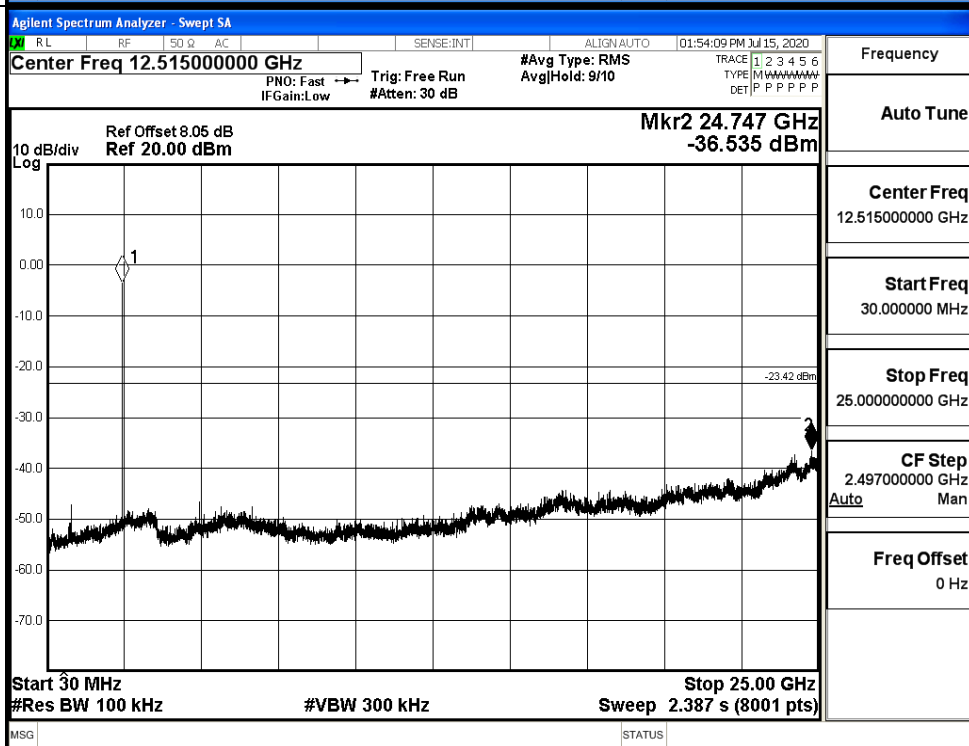


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

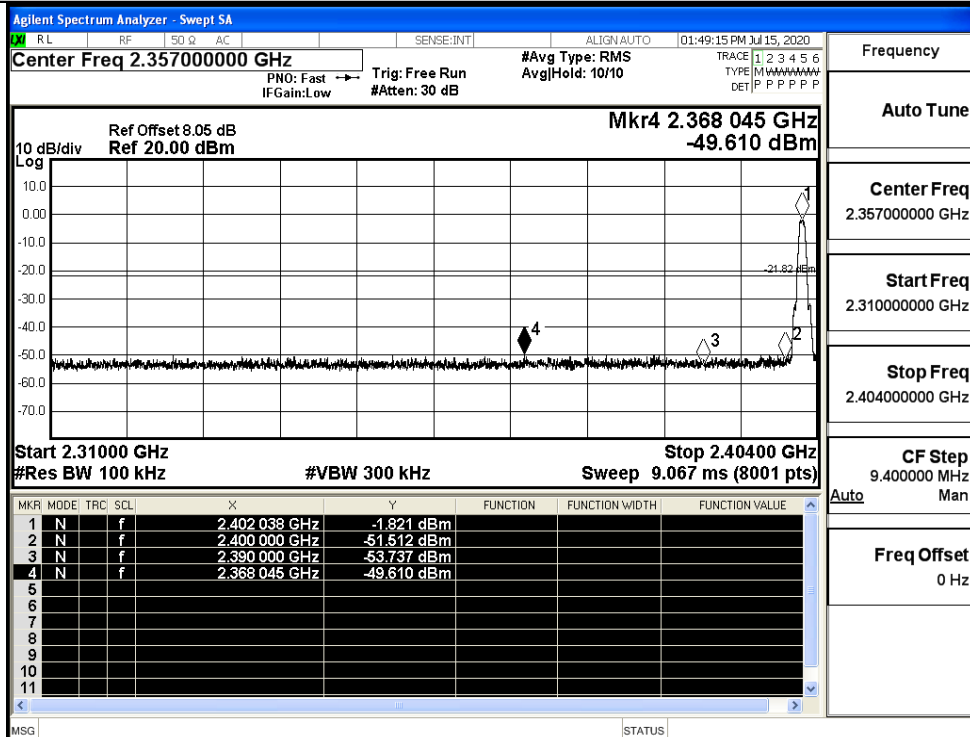


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.821	-49.610	-21.82	PASS
BT LE	HCH	-3.155	-49.861	-23.16	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

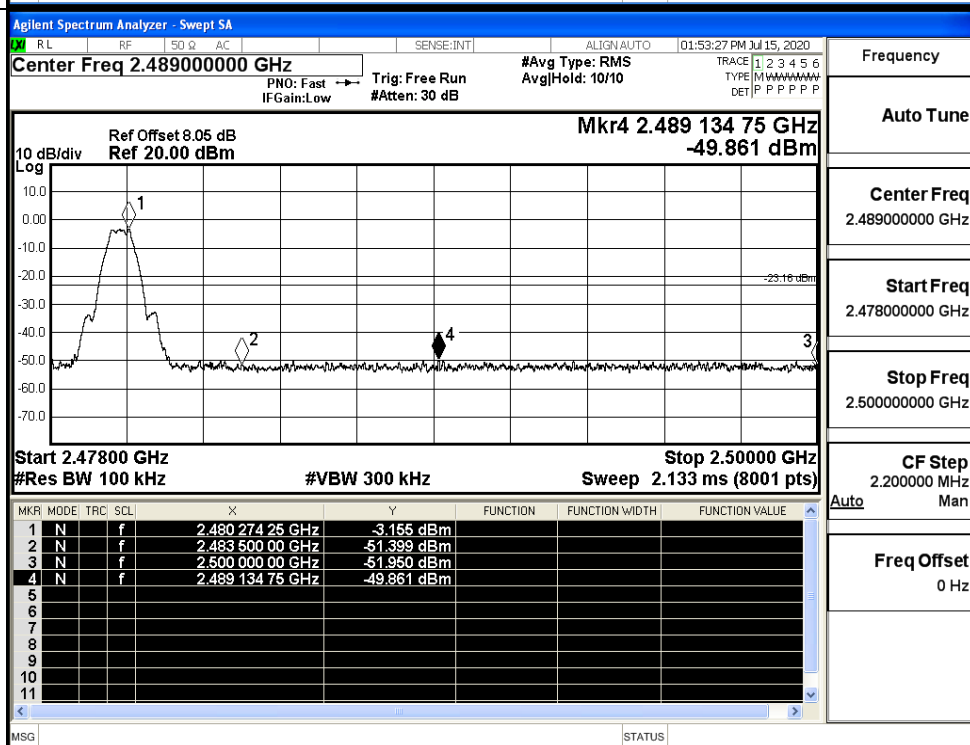
9.400000 MHz

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

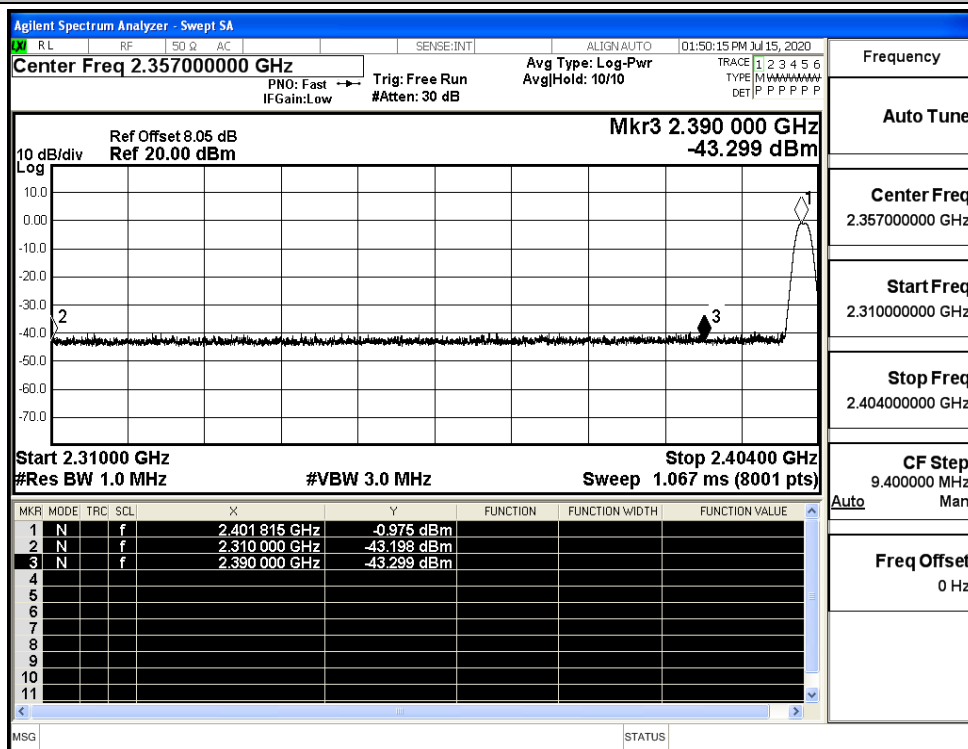
Freq Offset

0 Hz

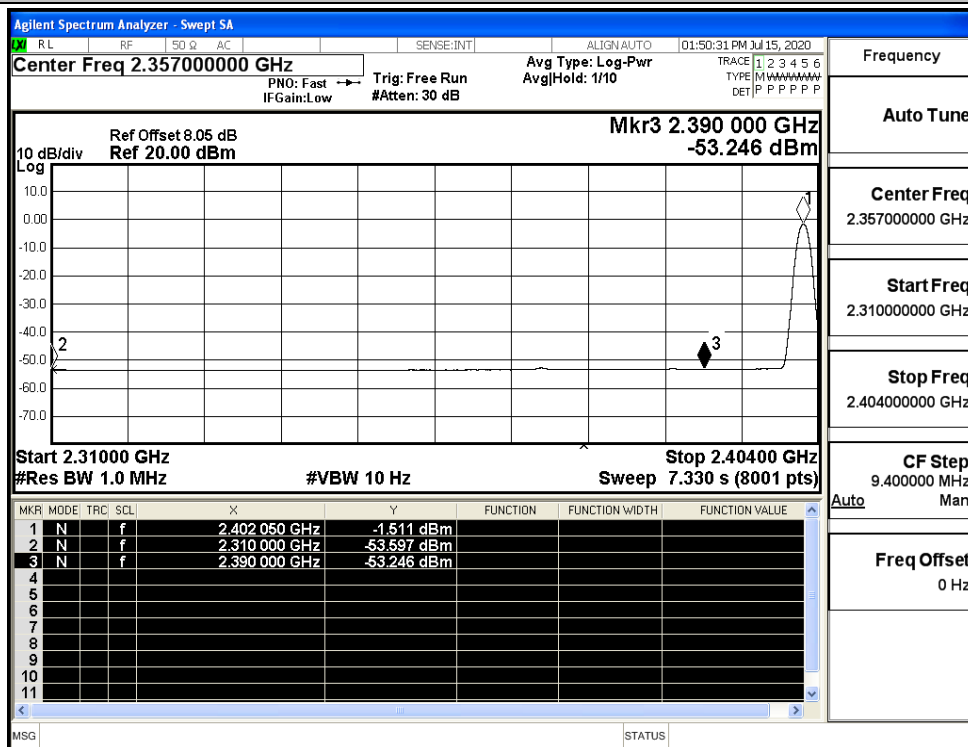
A.7 Restrict-band band-edge measurements

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	-43.20	2.0	0	54.06	PEAK	74	PASS
		Ant1	2310.0	-53.60	2.0	0	43.66	AV	54	PASS
		Ant1	2390.0	-43.30	2.0	0	53.96	PEAK	74	PASS
		Ant1	2390.0	-53.25	2.0	0	44.01	AV	54	PASS
	2480	Ant1	2483.5	-42.56	2.0	0	54.7	PEAK	74	PASS
		Ant1	2483.5	-52.72	2.0	0	44.54	AV	54	PASS
		Ant1	2500.0	-41.79	2.0	0	55.47	PEAK	74	PASS
		Ant1	2500.0	-52.62	2.0	0	44.64	AV	54	PASS

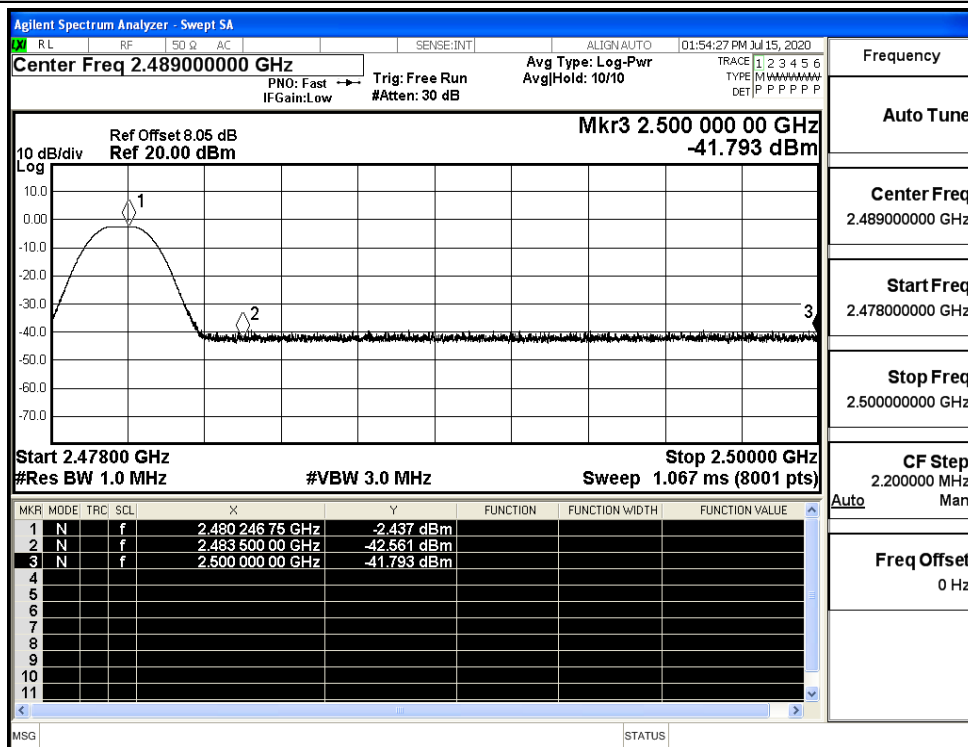
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

