

Appendix A

RF Test Data for BT V5.0(BT LE) (Conducted Measurement)

Product Name: Smart Watch

Trade Mark: LAD WEATHER

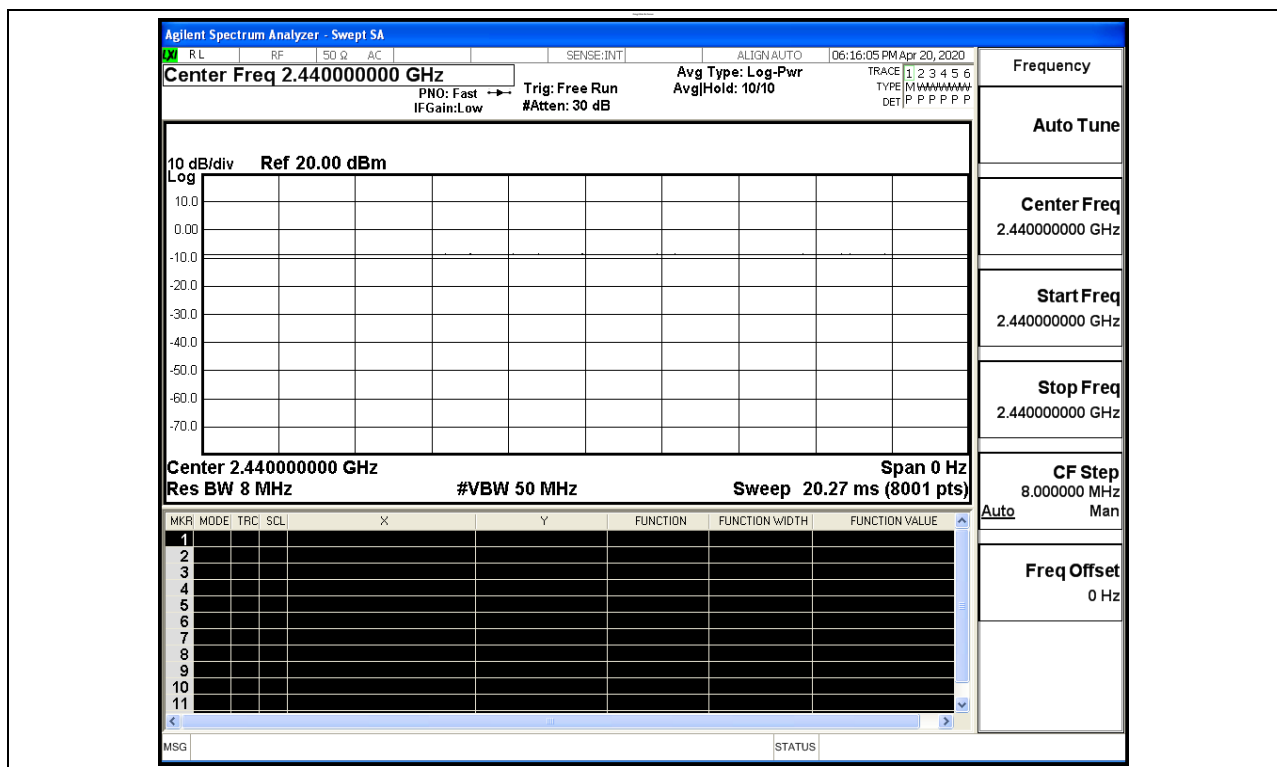
Test Model: lad054

Environmental Conditions

Temperature:	24.2°C
Relative Humidity:	54.5%
ATM Pressure:	100.0 kPa
Test Engineer:	SCOUT WU
Supervised by:	Li Huan

A.1 Duty Cycle

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

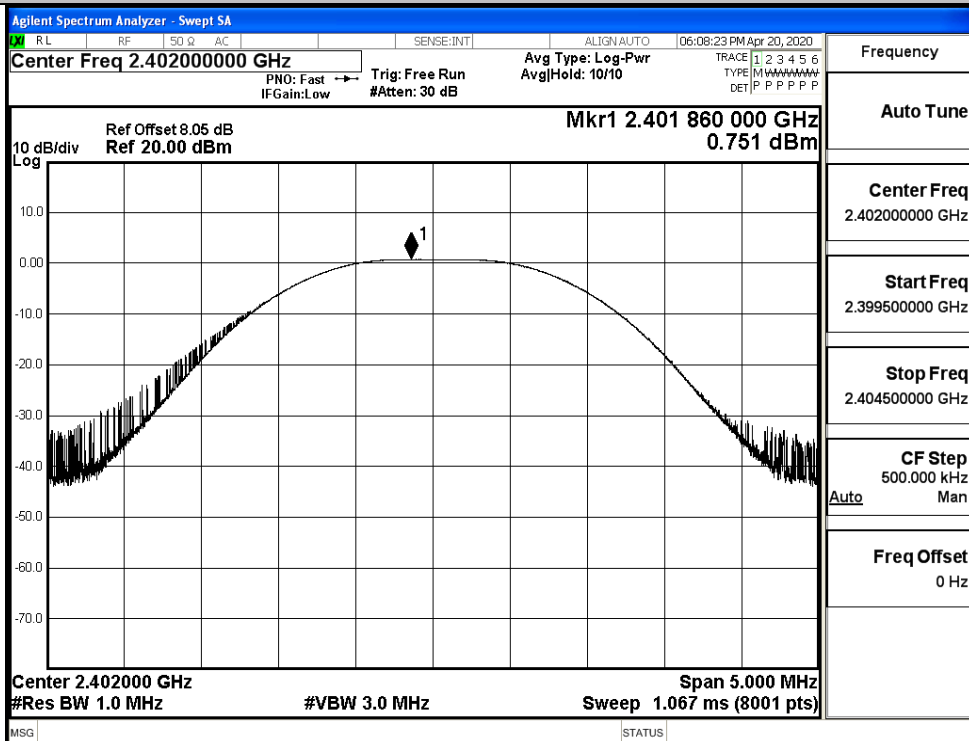


A.2 Maximum Conducted Peak Output Power

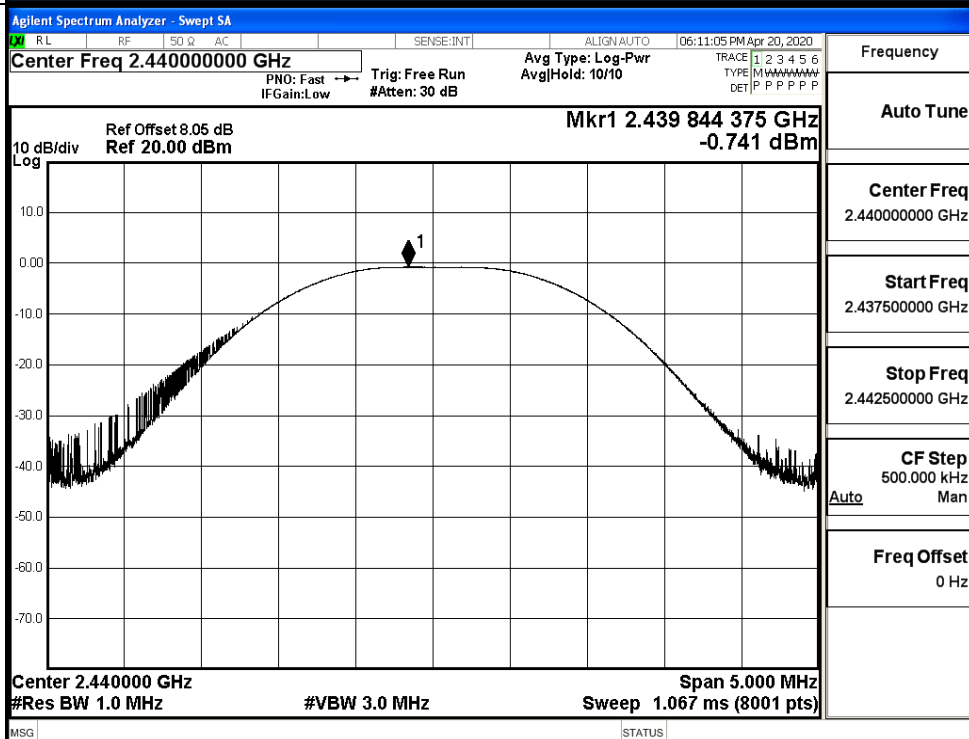
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.751	30	PASS
BT LE	MCH	-0.741	30	PASS
BT LE	HCH	-2.481	30	PASS

Test Graphs

LCH



MCH

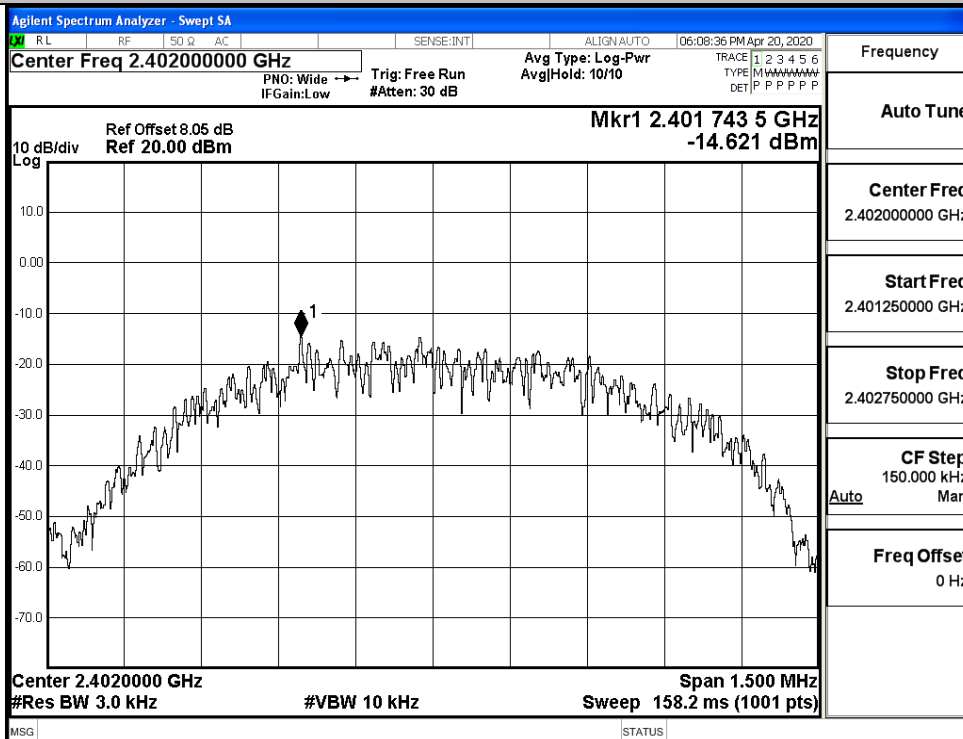


A.3 Maximum Power Spectral Density

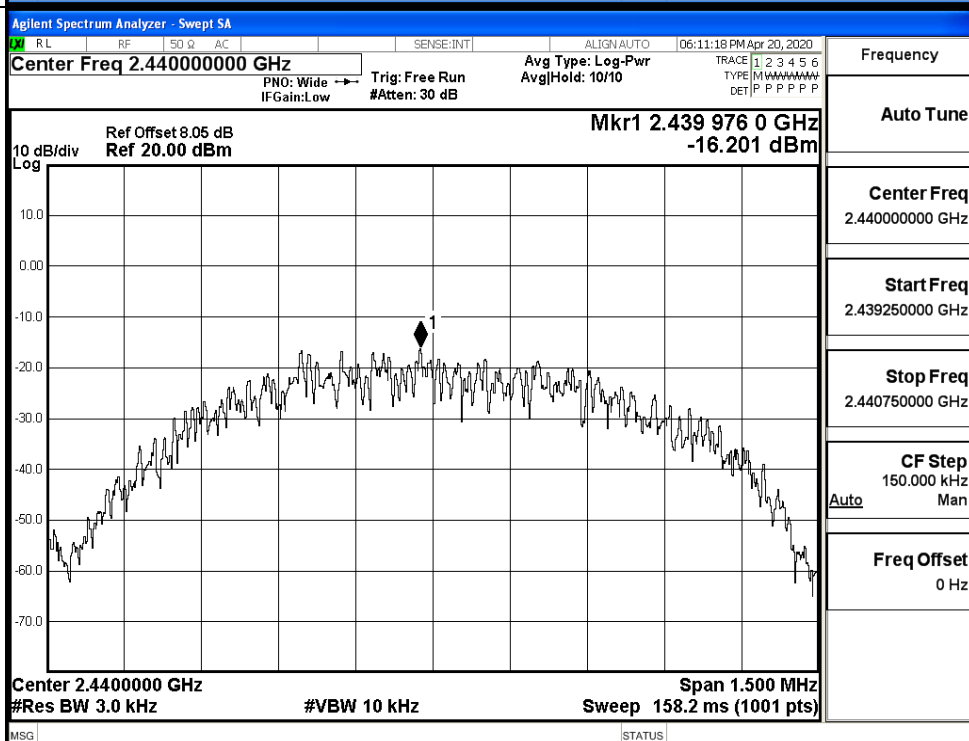
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.621	8	PASS
BT LE	MCH	-16.201	8	PASS
BT LE	HCH	-17.803	8	PASS

Test Graphs

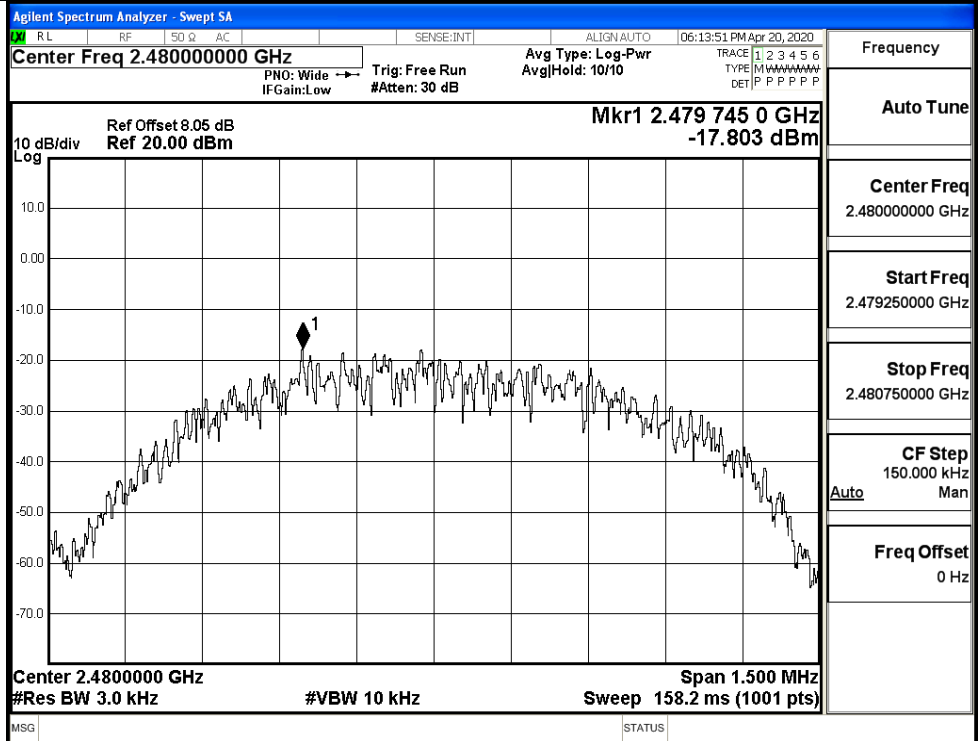
LCH



MCH



HCH

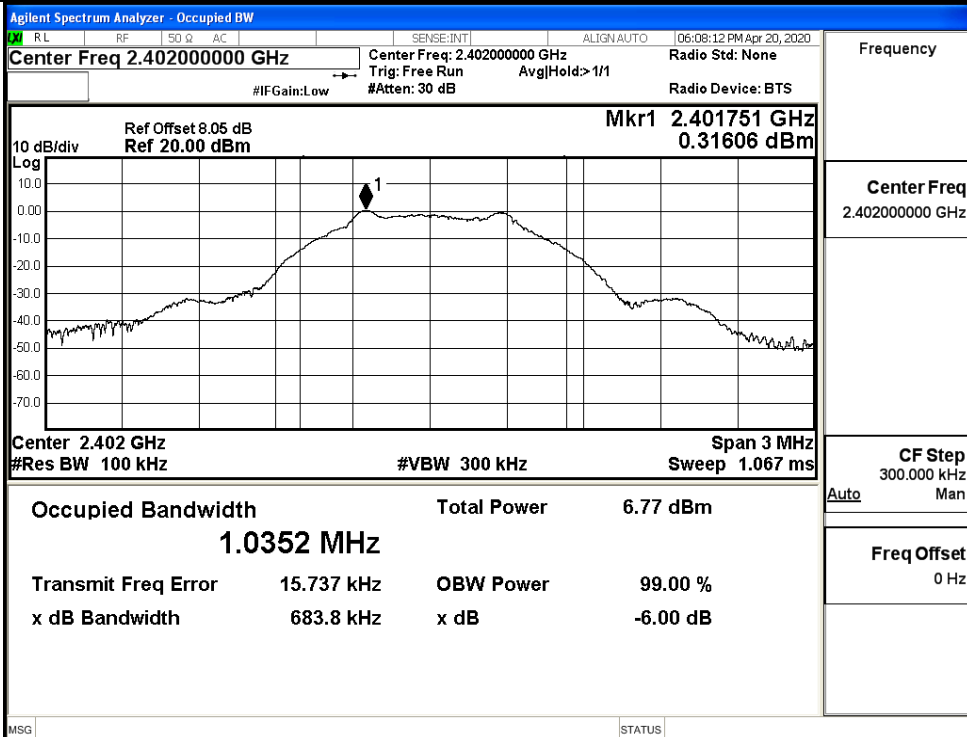


A.4 6dB Bandwidth

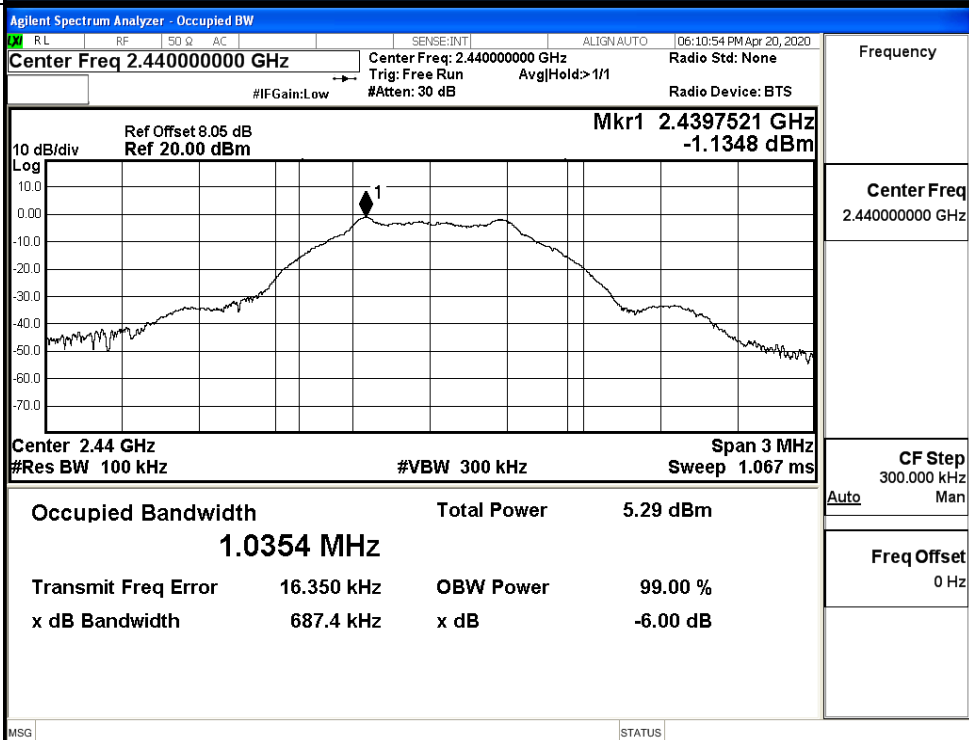
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6838	≥ 0.5	PASS
BT LE	MCH	0.6874	≥ 0.5	PASS
BT LE	HCH	0.6939	≥ 0.5	PASS

Test Graphs

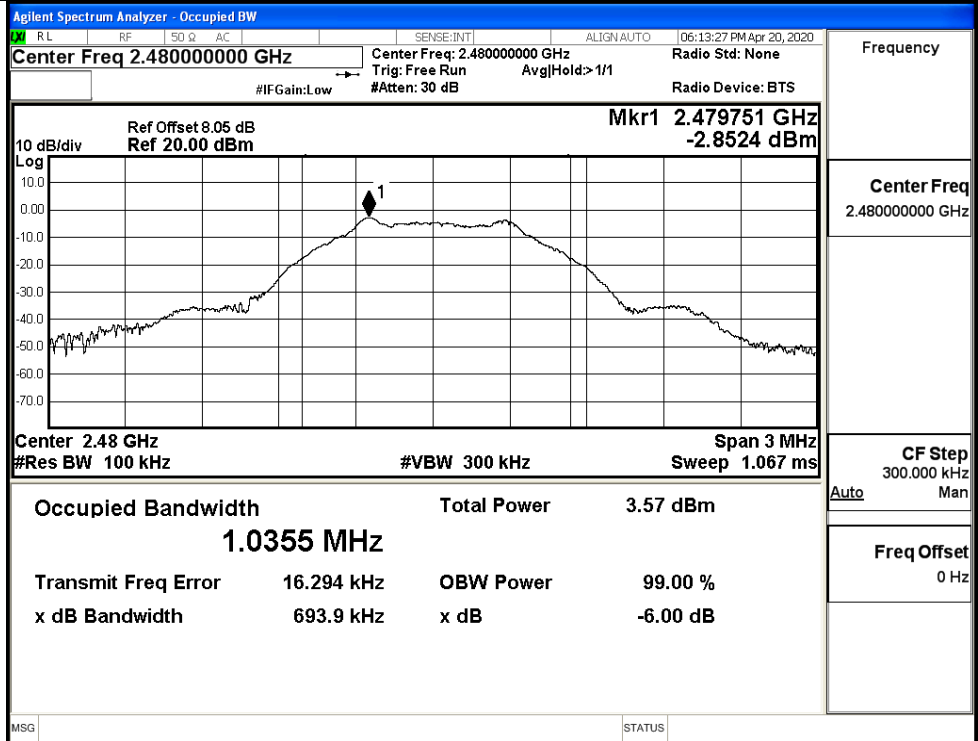
LCH



MCH



HCH

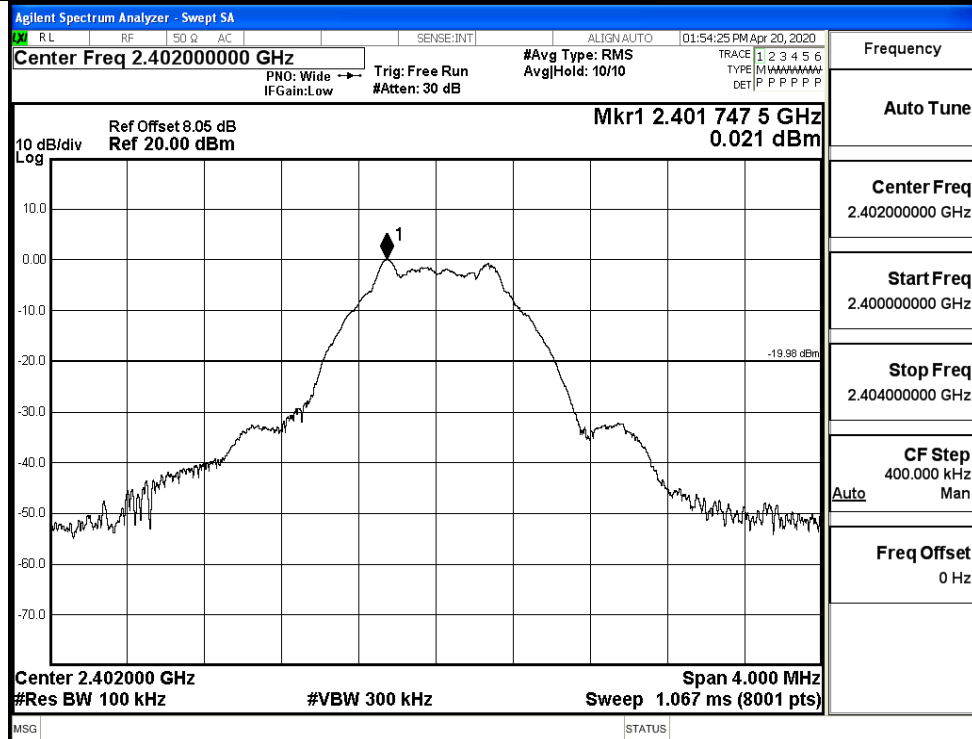


A.5 RF Conducted Spurious Emissions

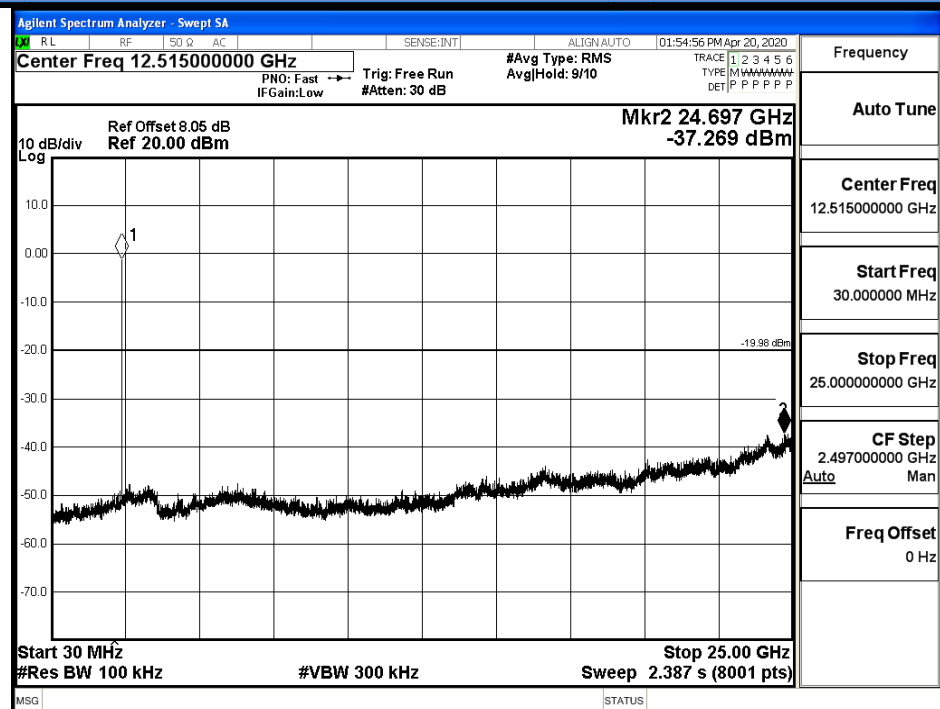
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.021	-37.269	-19.979	PASS
BT LE	MCH	-1.158	-36.769	-21.158	PASS
BT LE	HCH	-2.868	-36.807	-22.868	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

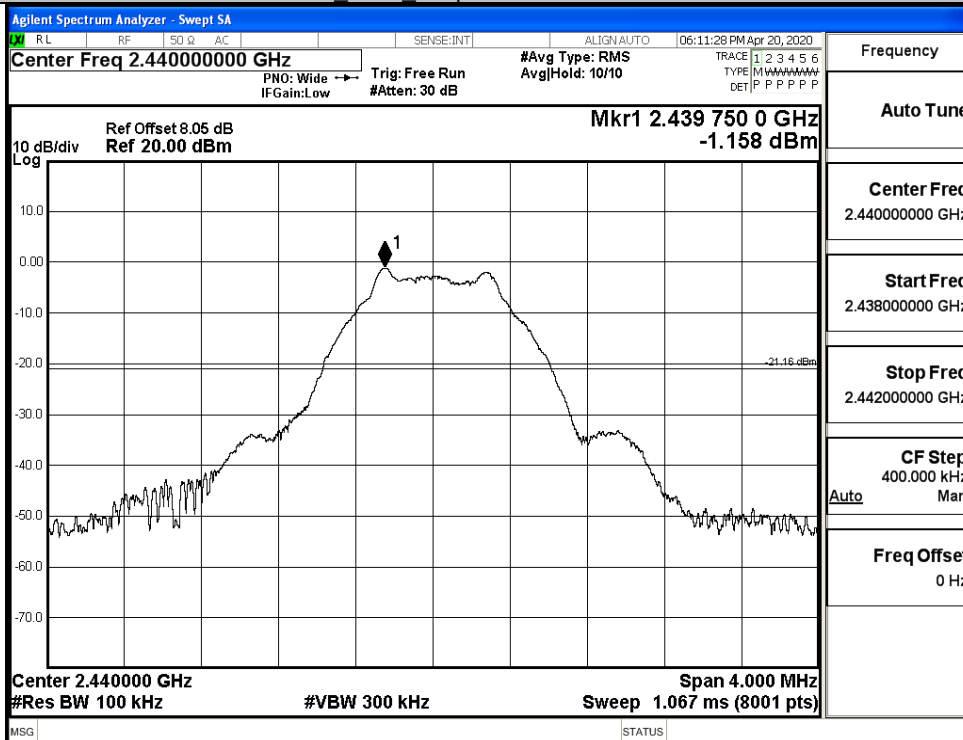


Puw/BT LE/LCH

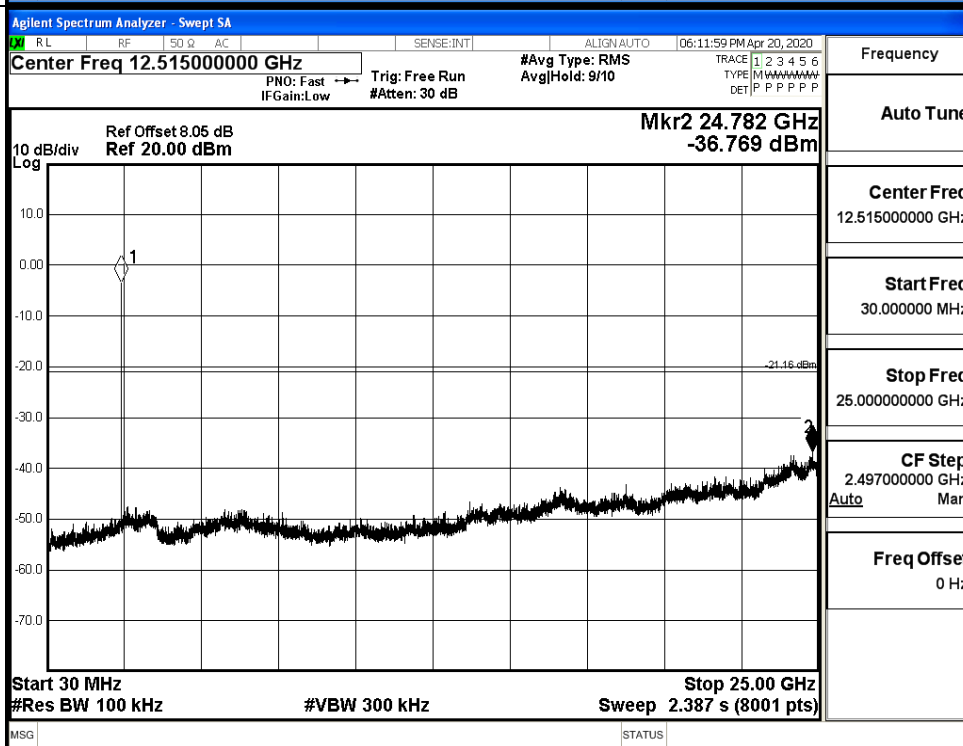


BT LE MCH Graphs

Pref/BT LE/MCH

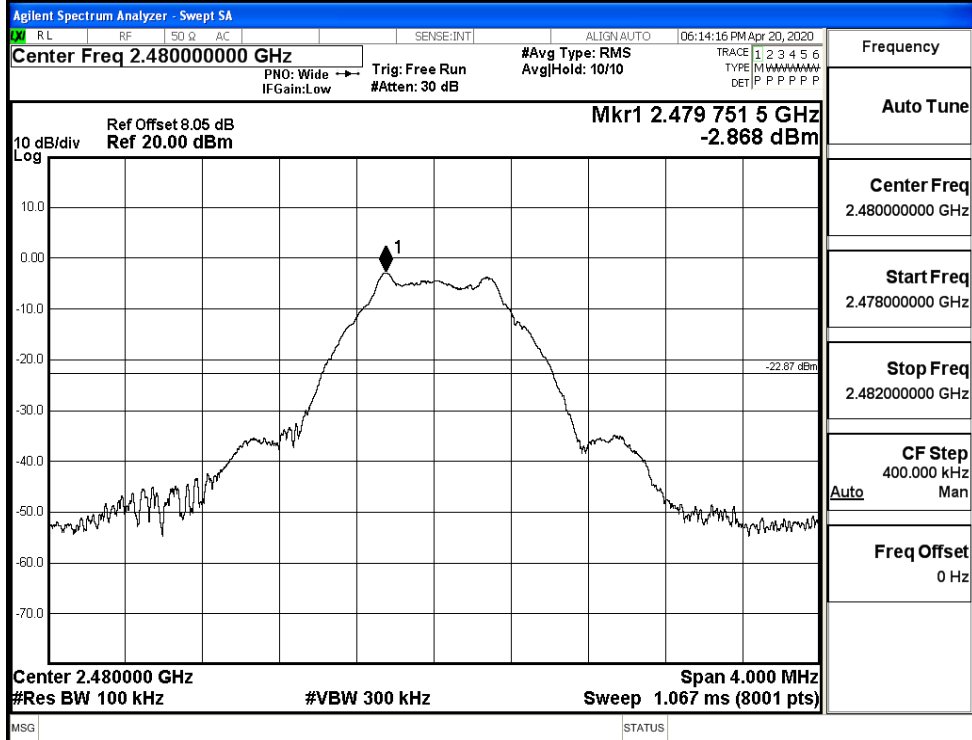


Puw/BT LE/MCH

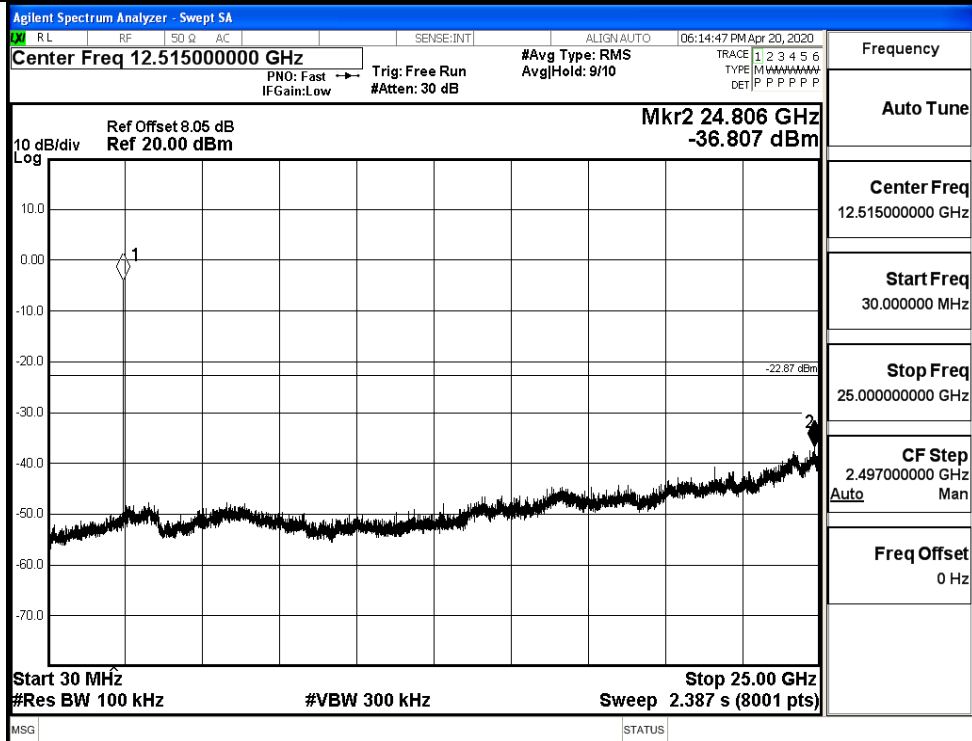


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

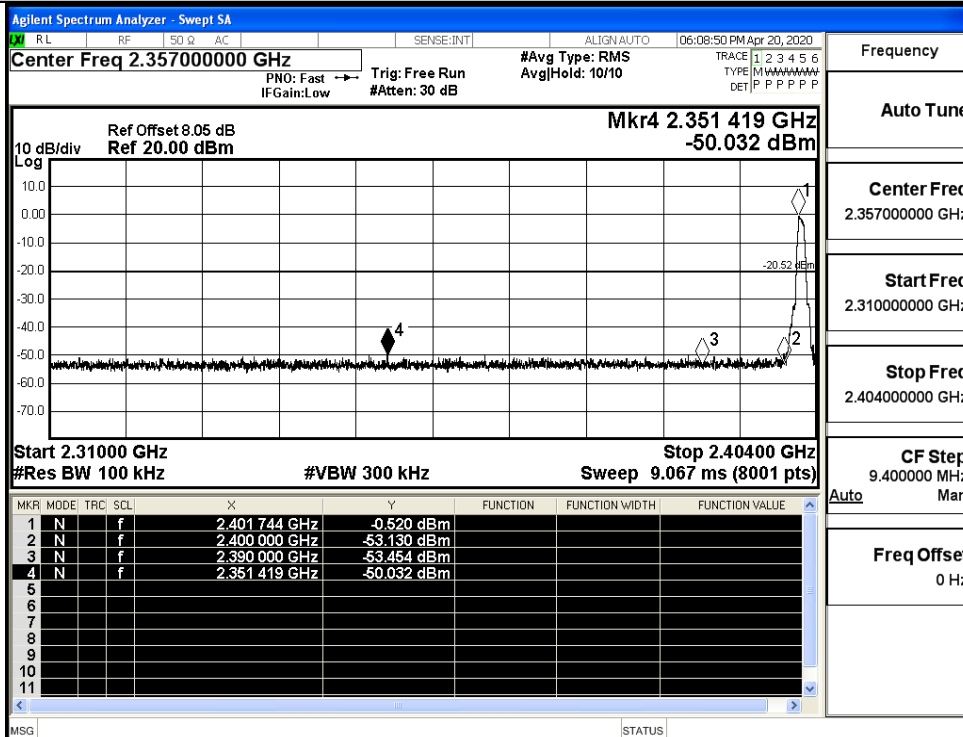


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.520	-50.032	-20.52	PASS
BT LE	HCH	-2.874	-48.789	-22.87	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

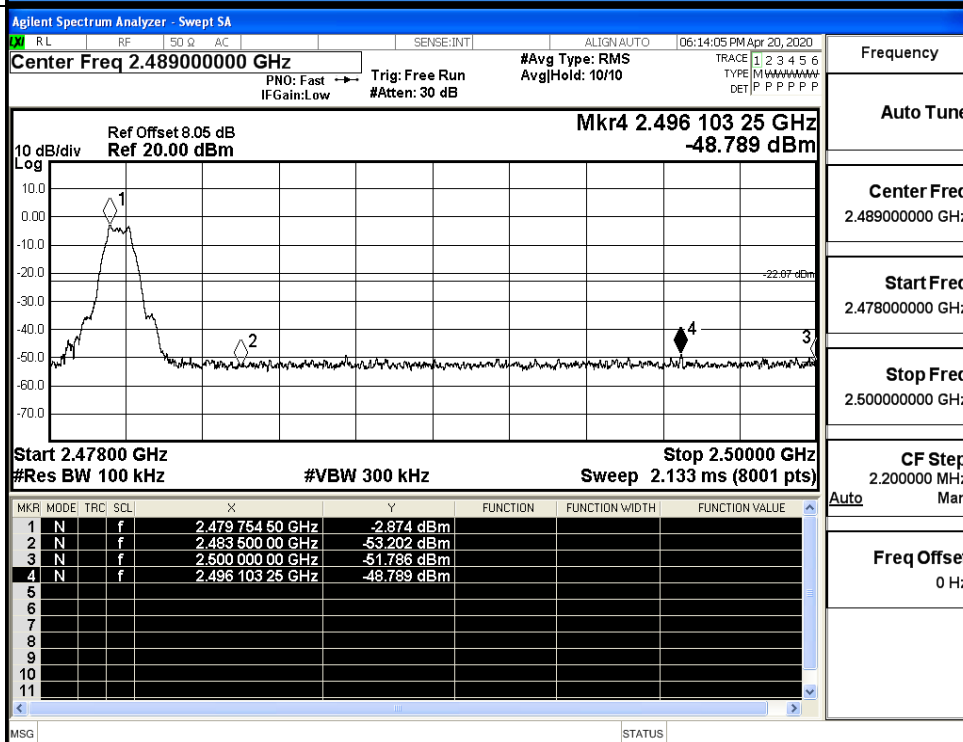
9.400000 MHz

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

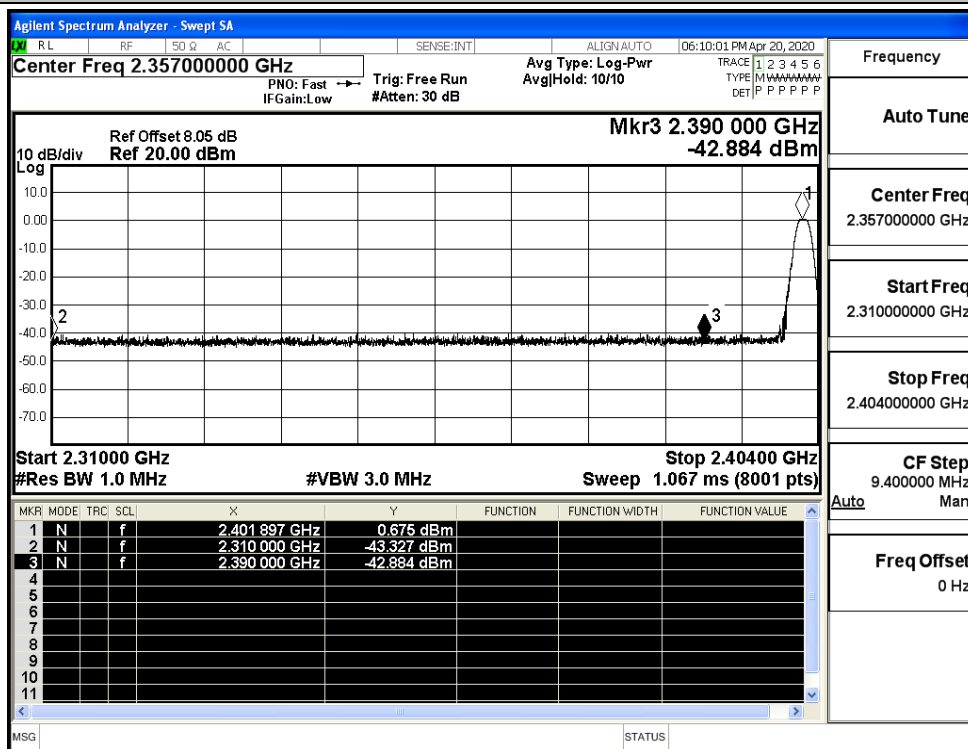
Freq Offset

0 Hz

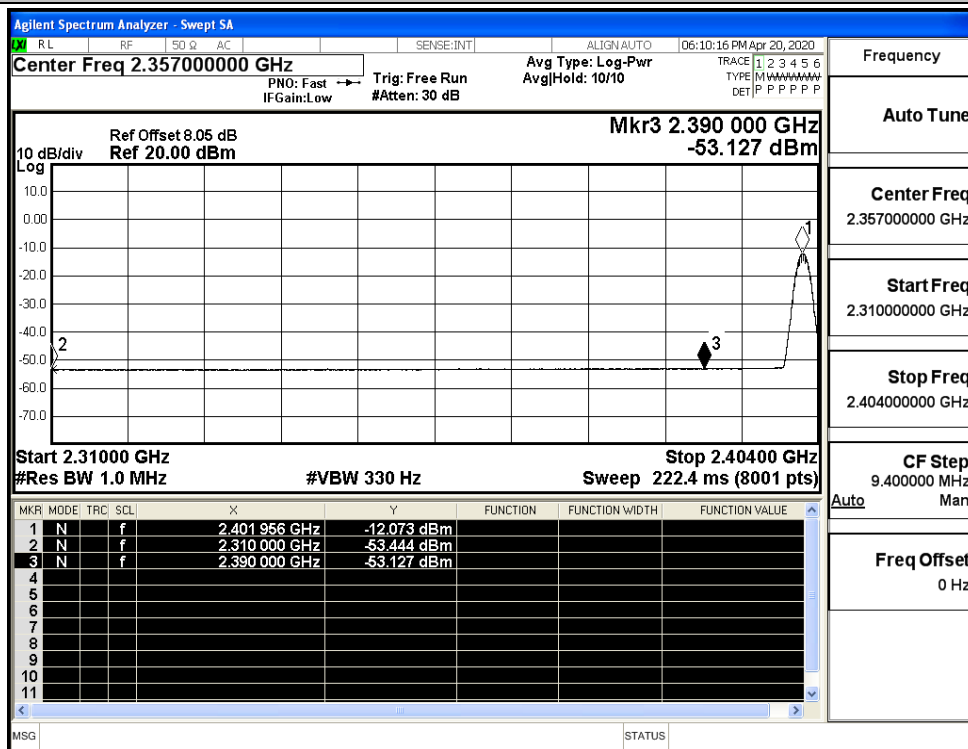
A.7 Restrict-band band-edge measurements

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	-43.33	2.0	0	53.90	PEAK	74	PASS
		Ant1	2310.0	-53.44	2.0	0	43.79	AV	54	PASS
		Ant1	2390.0	-42.88	2.0	0	54.35	PEAK	74	PASS
		Ant1	2390.0	-53.13	2.0	0	44.10	AV	54	PASS
	2480	Ant1	2483.5	-41.25	2.0	0	55.98	PEAK	74	PASS
		Ant1	2483.5	-52.57	2.0	0	44.66	AV	54	PASS
		Ant1	2500.0	-42.52	2.0	0	54.71	PEAK	74	PASS
		Ant1	2500.0	-52.39	2.0	0	44.84	AV	54	PASS

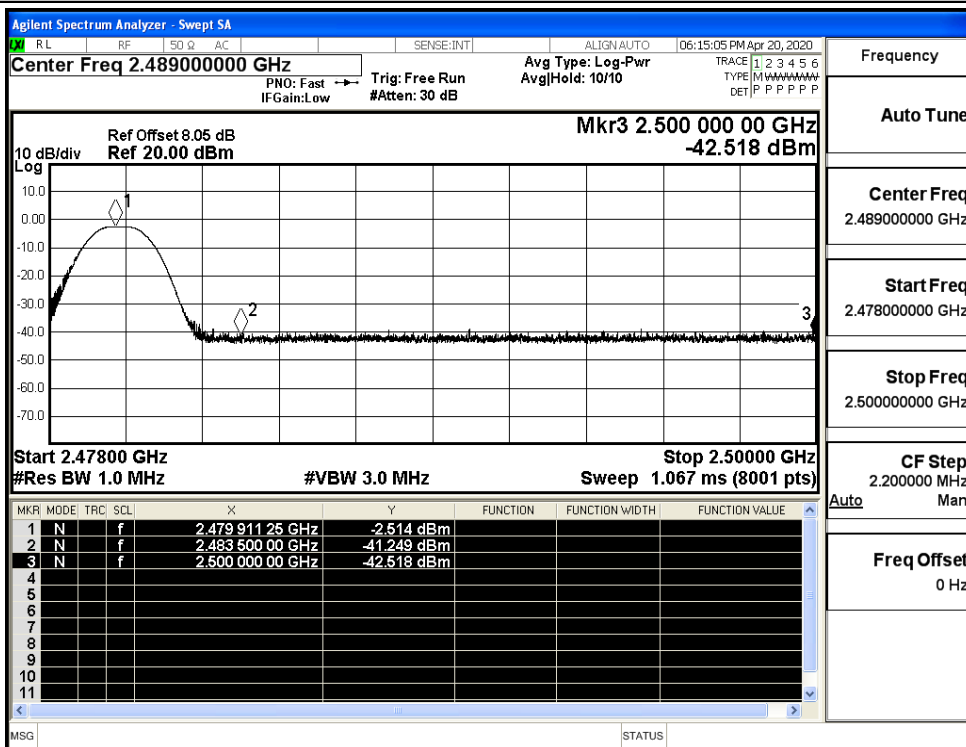
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

