

Appendix A
RF Test Data for BT V4.1(BDR/EDR) (Conducted Measurement)
Product Name: Legends Gamer Pro
Trade Mark: N/A
Test Model: HA2802(Legends Gamer Pro)

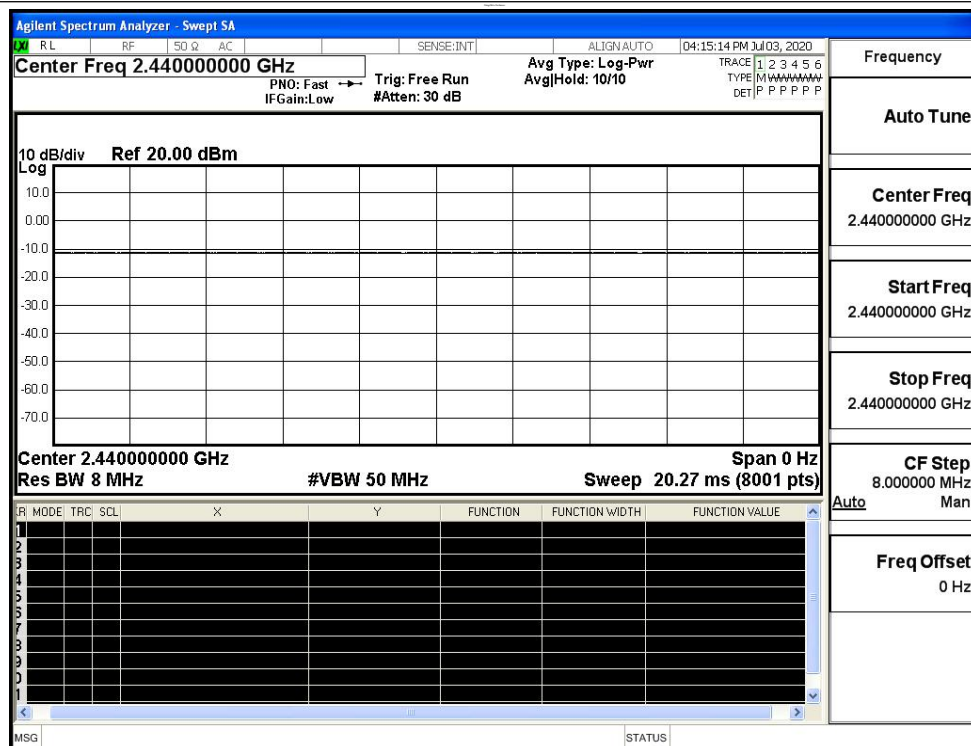
Environmental Conditions

Temperature:	24.3° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

A.1 Duty Cycle

ANT1:

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



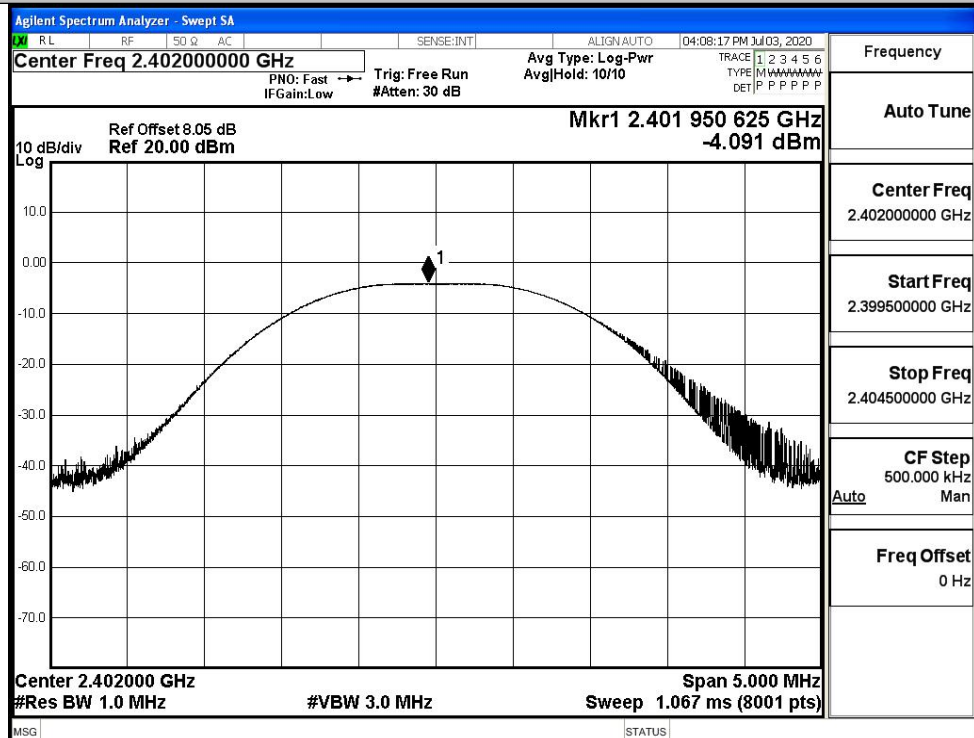
A.2 Maximum Conducted Peak Output Power

ANT1:

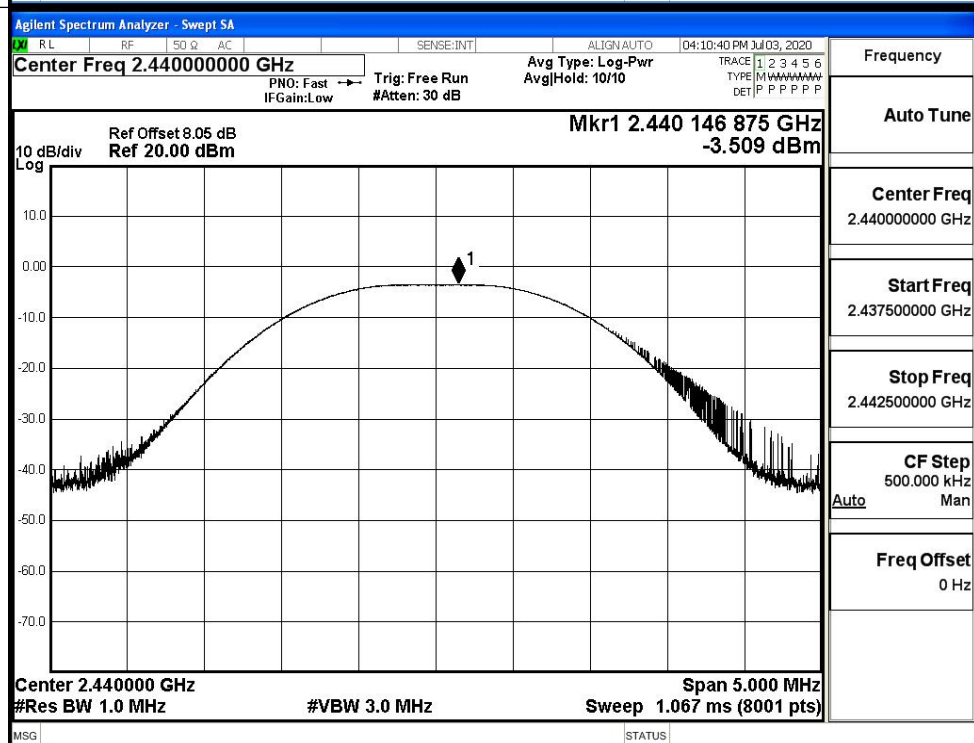
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.091	30	PASS
BT LE	MCH	-3.509	30	PASS
BT LE	HCH	-3.791	30	PASS

Test Graphs

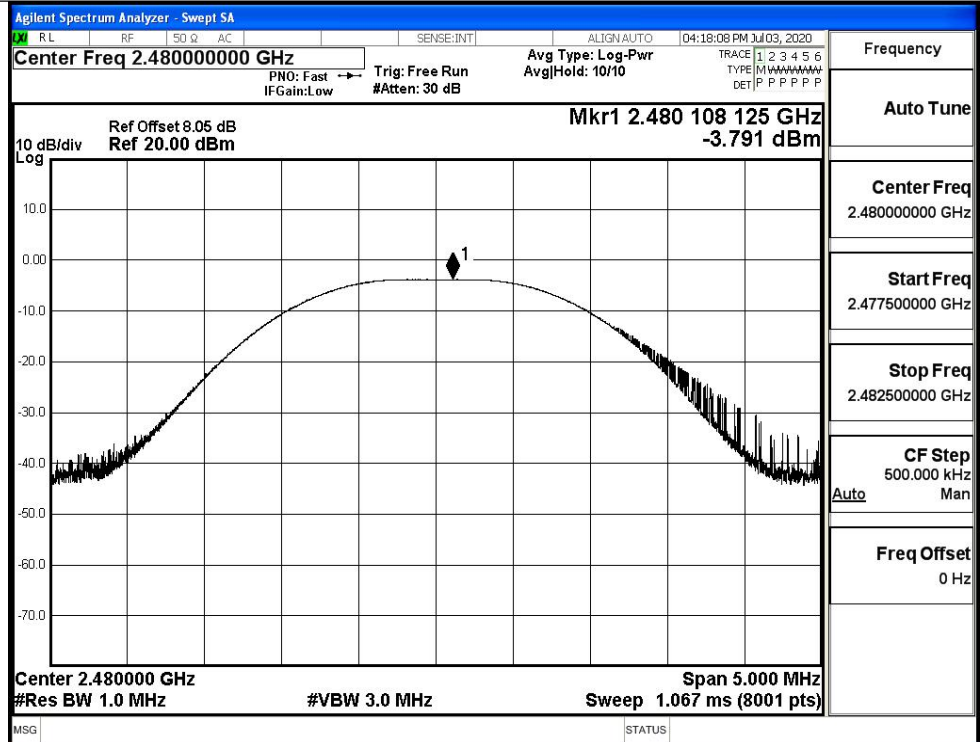
LCH



MCH



HCH



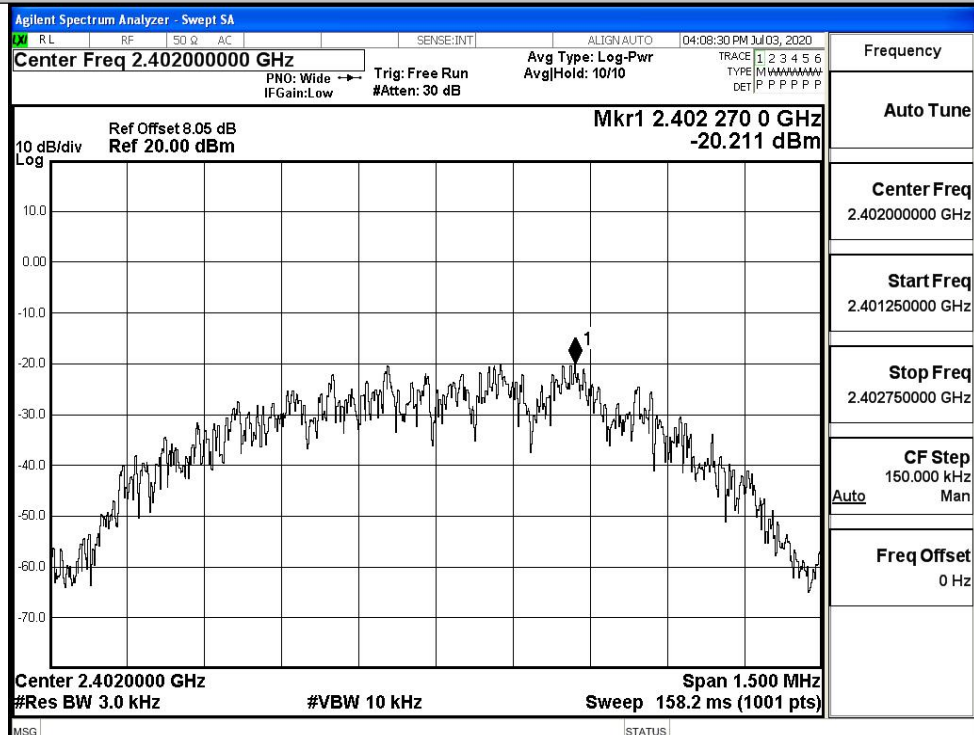
A.3 Maximum Power Spectral Density

ANT1:

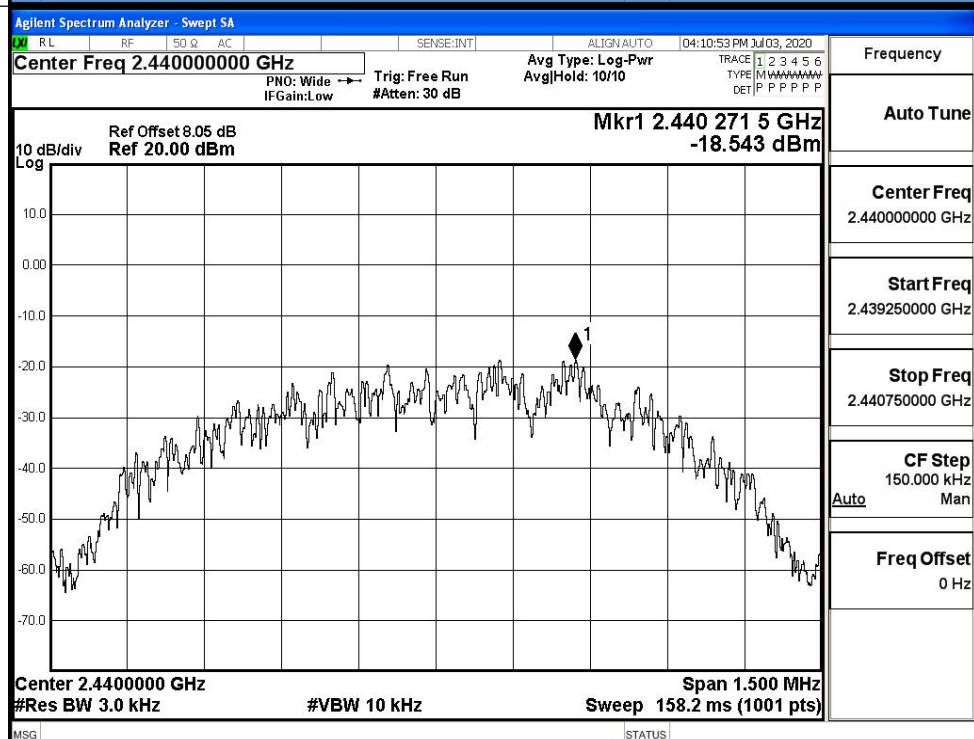
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-20.211	8	PASS
BT LE	MCH	-18.543	8	PASS
BT LE	HCH	-18.737	8	PASS

Test Graphs

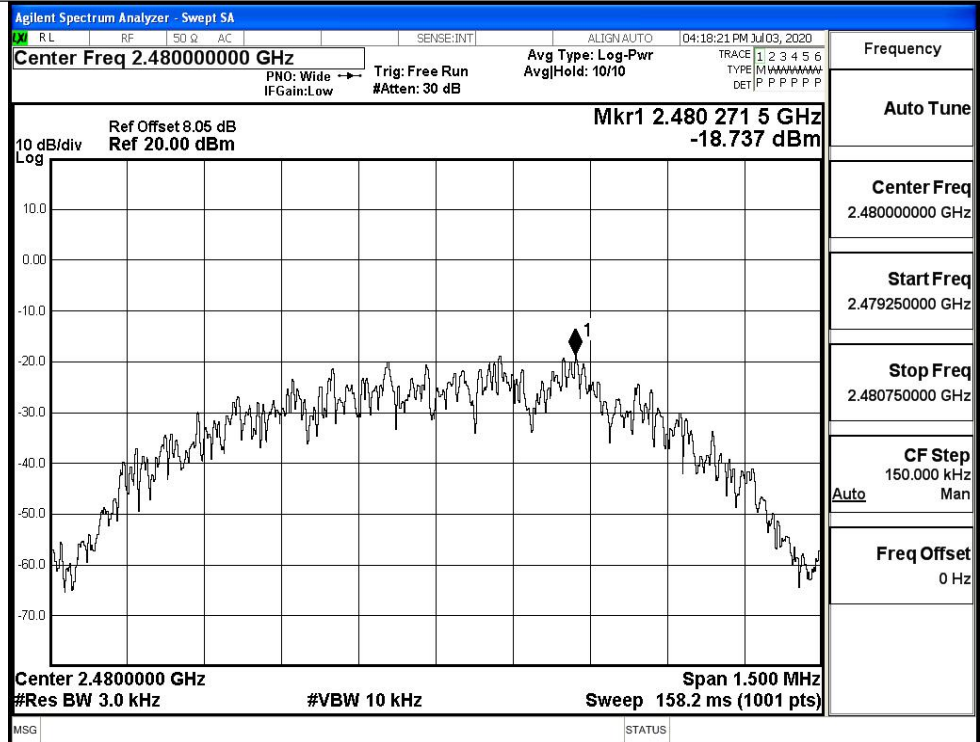
LCH



MCH



HCH



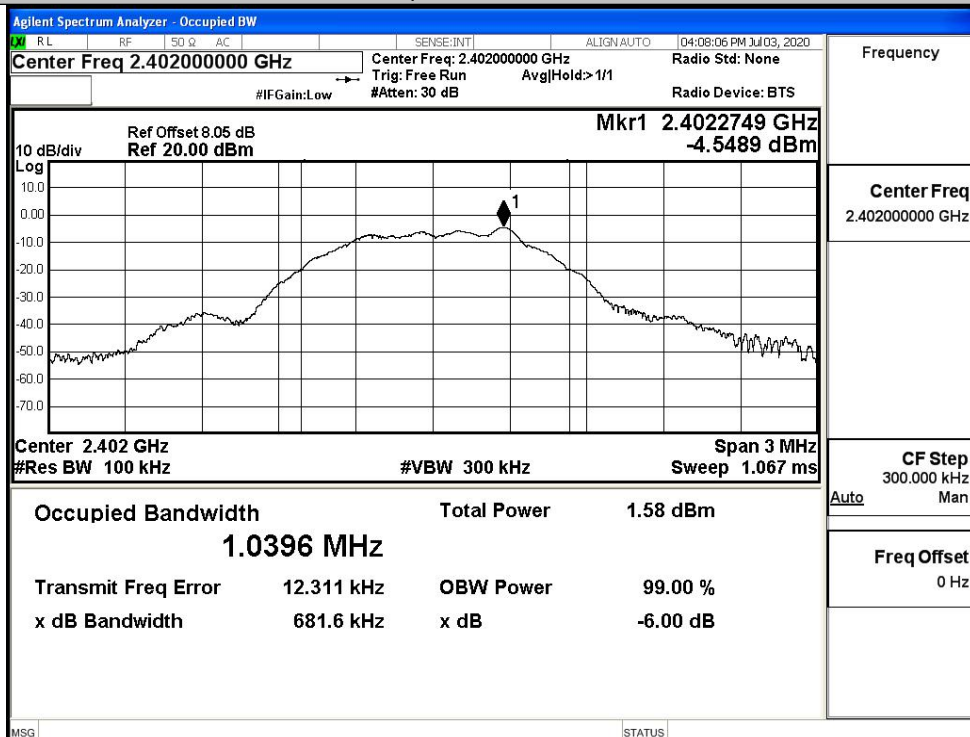
A.4 6dB Bandwidth

ANT1:

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6816	≥ 0.5	PASS
BT LE	MCH	0.6825	≥ 0.5	PASS
BT LE	HCH	0.6796	≥ 0.5	PASS

Test Graphs

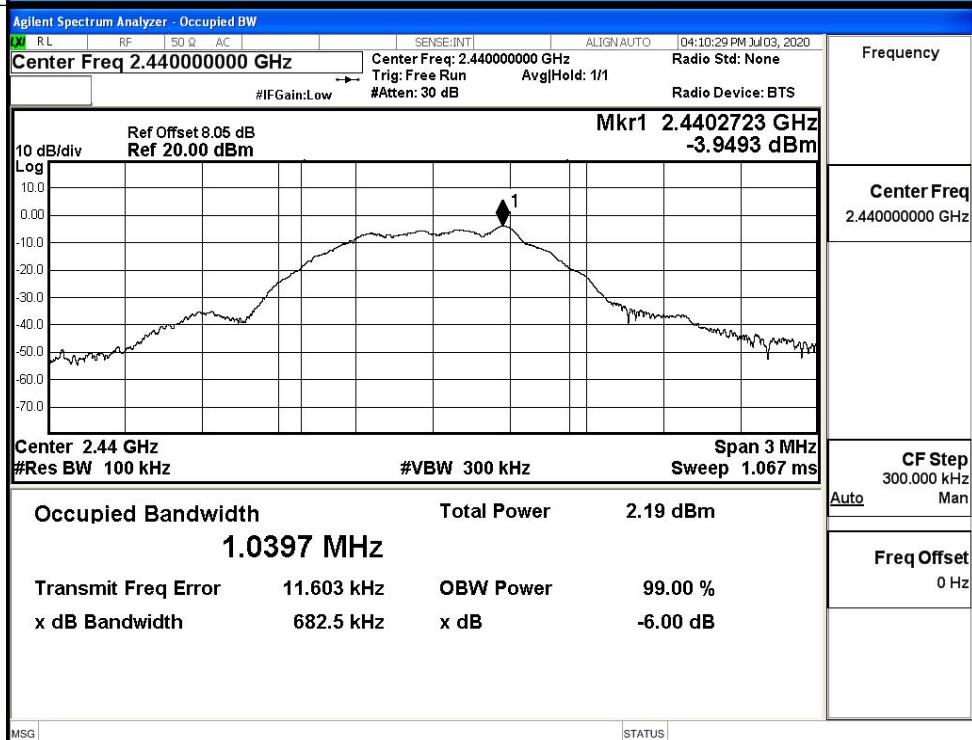
LCH



Frequency

Center Freq
2.402000000 GHzCF Step
300.000 kHz
Auto ManFreq Offset
0 Hz

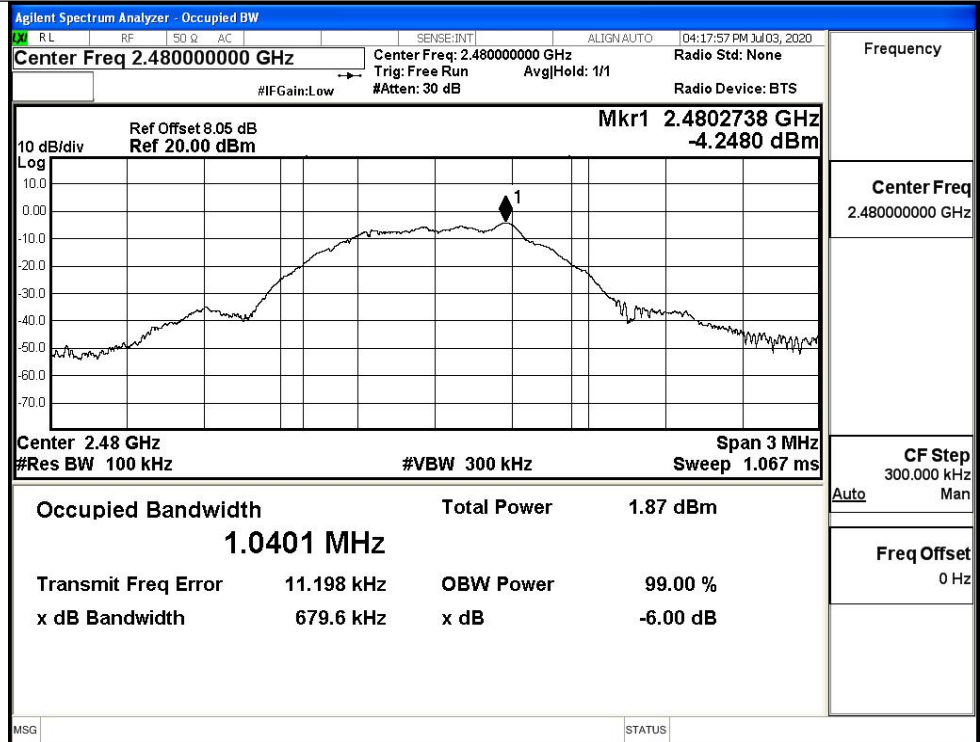
MCH



Frequency

Center Freq
2.440000000 GHzCF Step
300.000 kHz
Auto ManFreq Offset
0 Hz

HCH

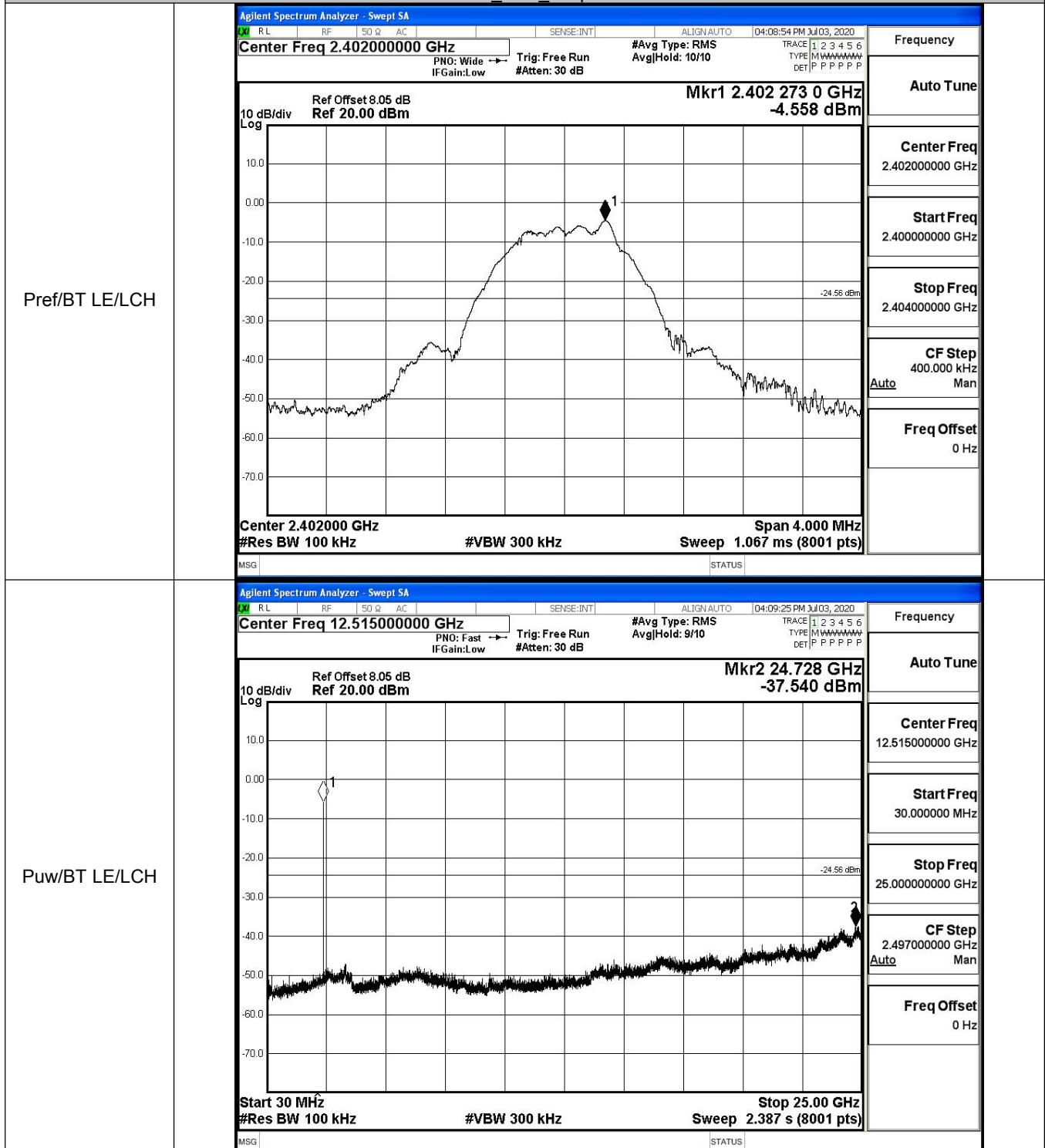


A.5 RF Conducted Spurious Emissions

ANT1:

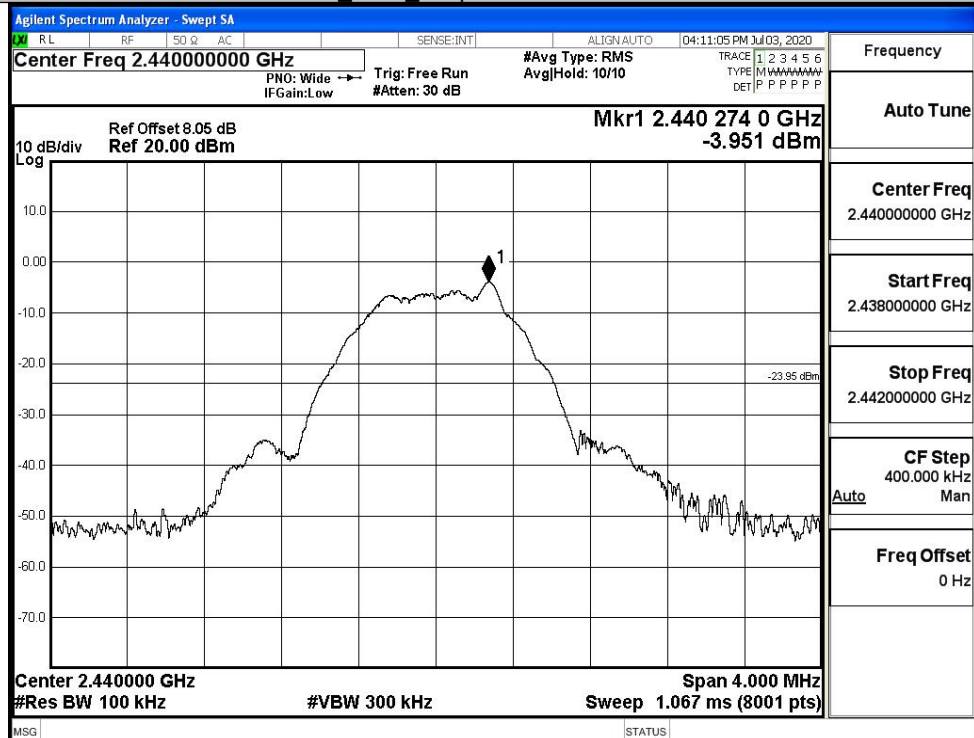
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.558	-37.540	-24.558	PASS
BT LE	MCH	-3.951	-37.340	-23.951	PASS
BT LE	HCH	-4.241	-37.703	-24.241	PASS

BT LE_LCH_Graphs

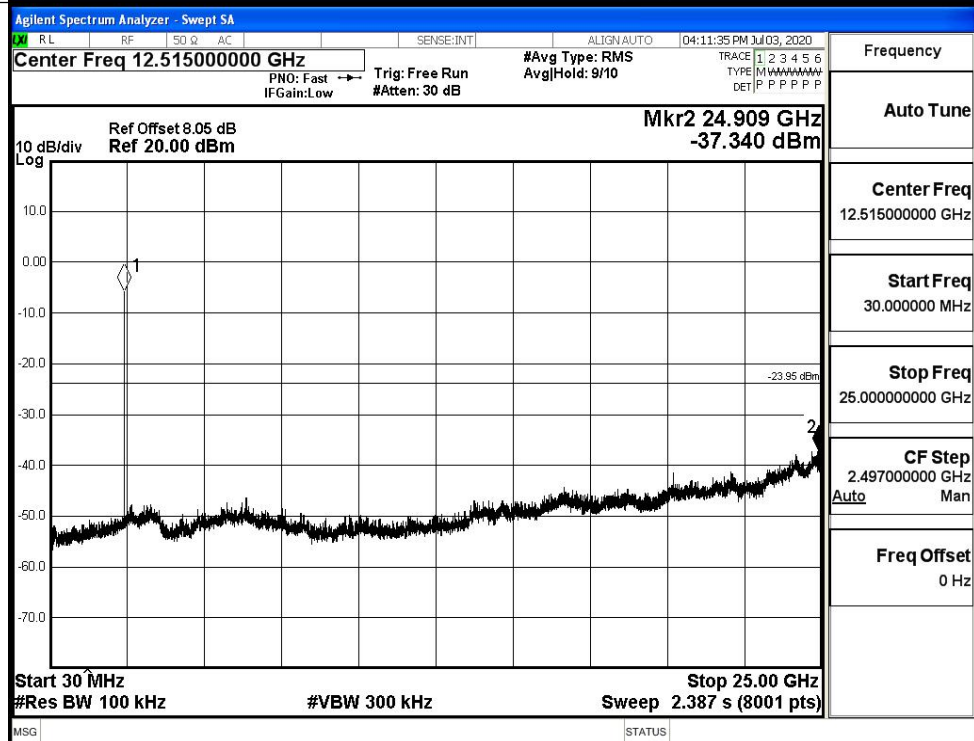


BT LE MCH Graphs

Pref/BT LE/MCH

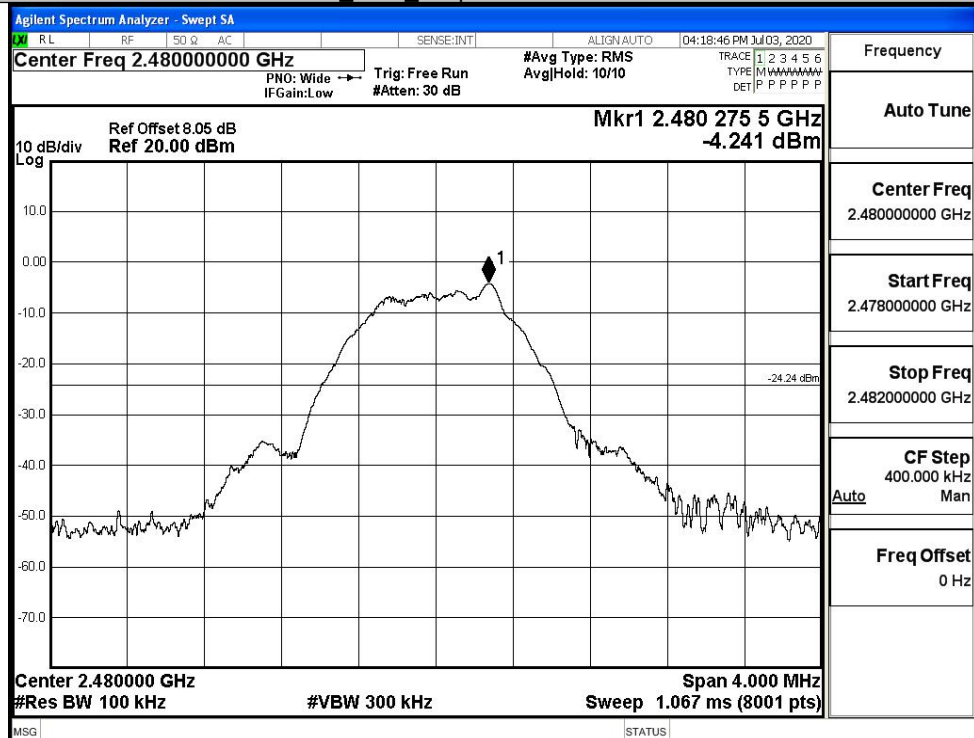


Puw/BT LE/MCH

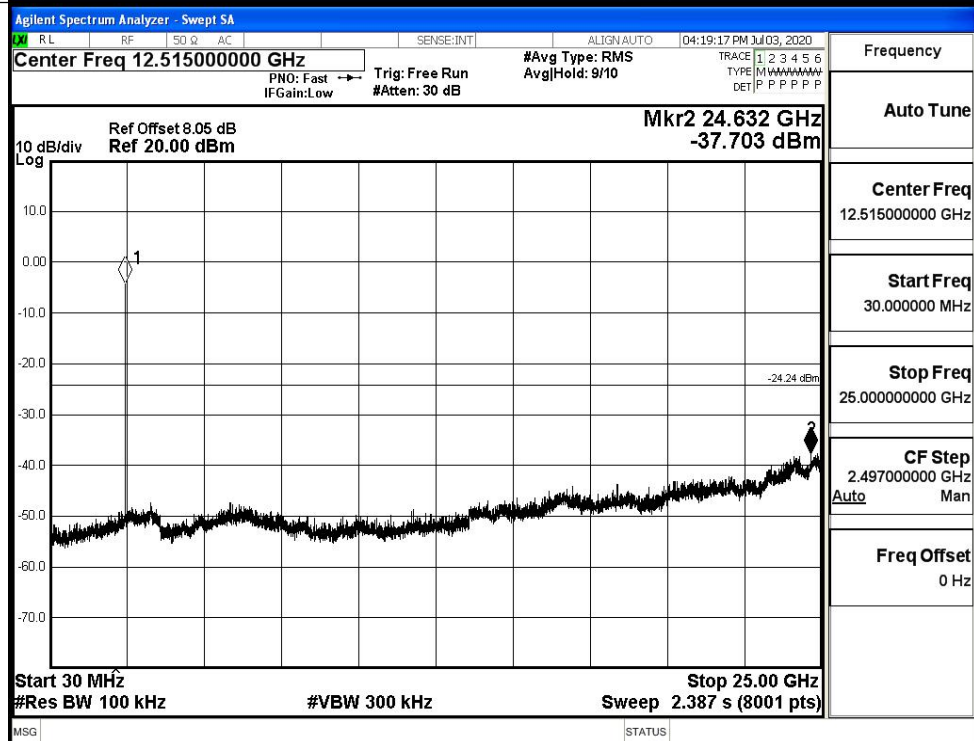


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH



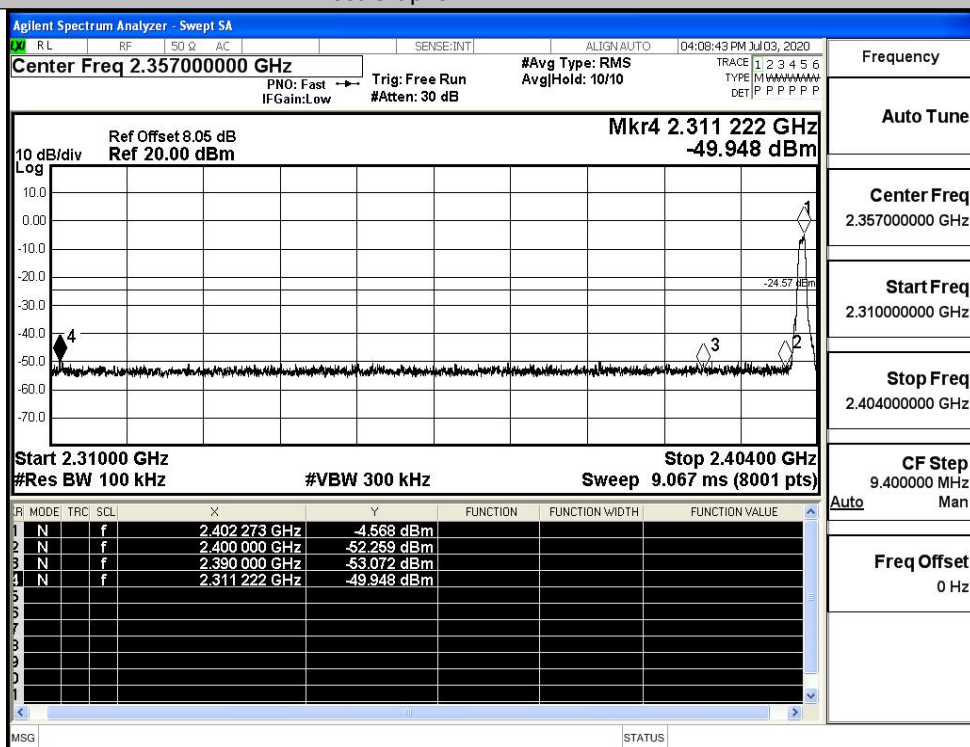
A.6 Band-edge for RF Conducted Emissions

ANT1:

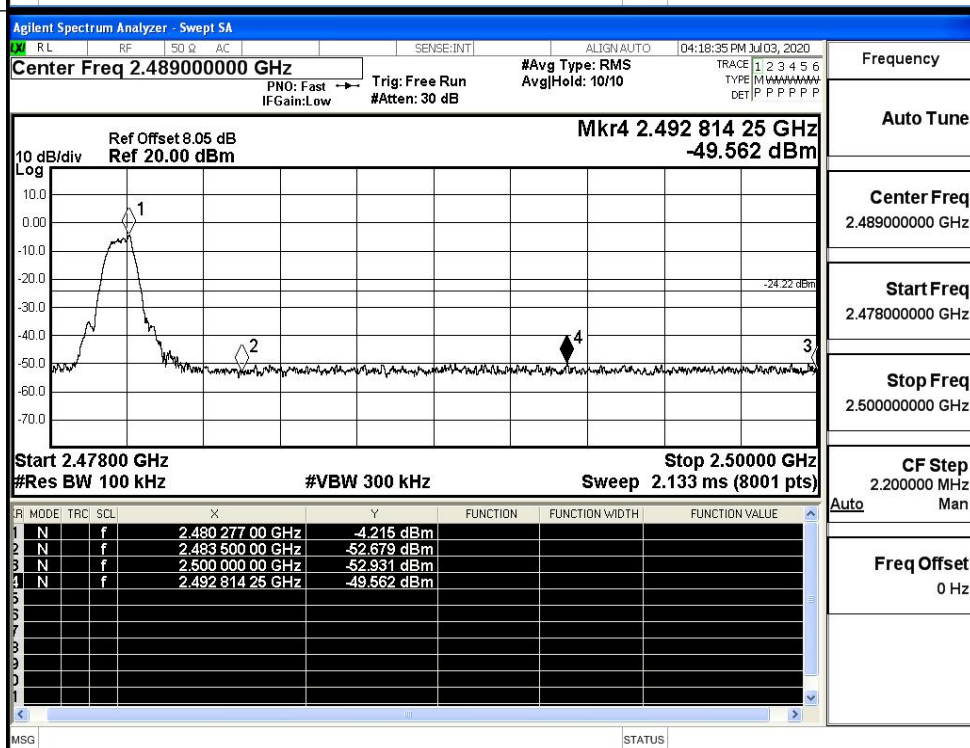
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.568	-49.948	-24.57	PASS
BT LE	HCH	-4.215	-49.562	-24.22	PASS

Test Graphs

LCH



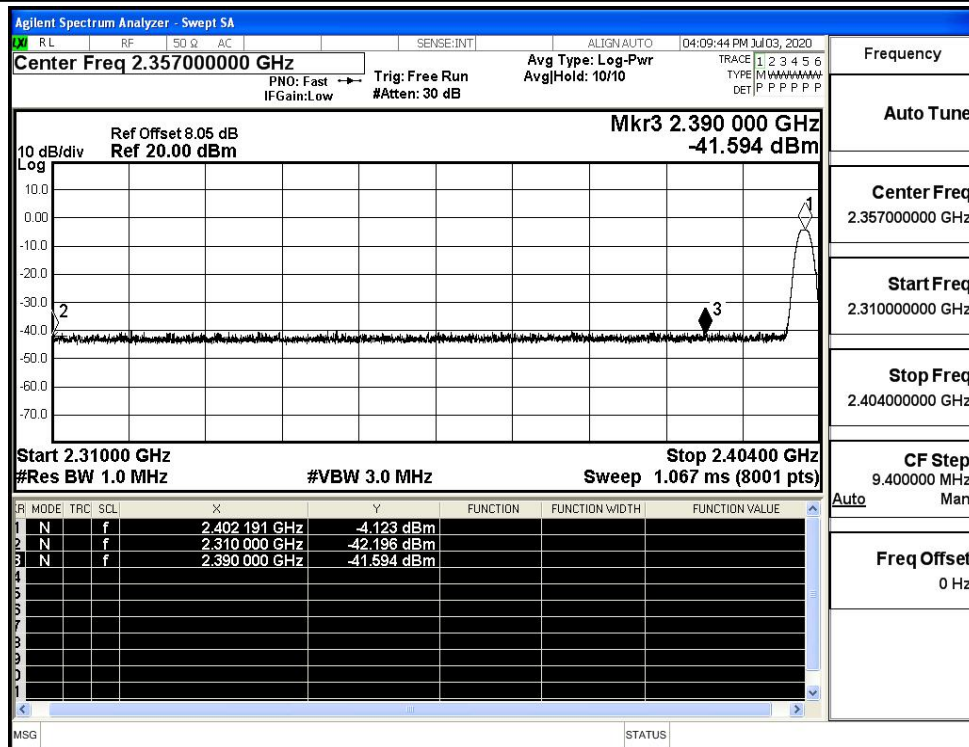
HCH



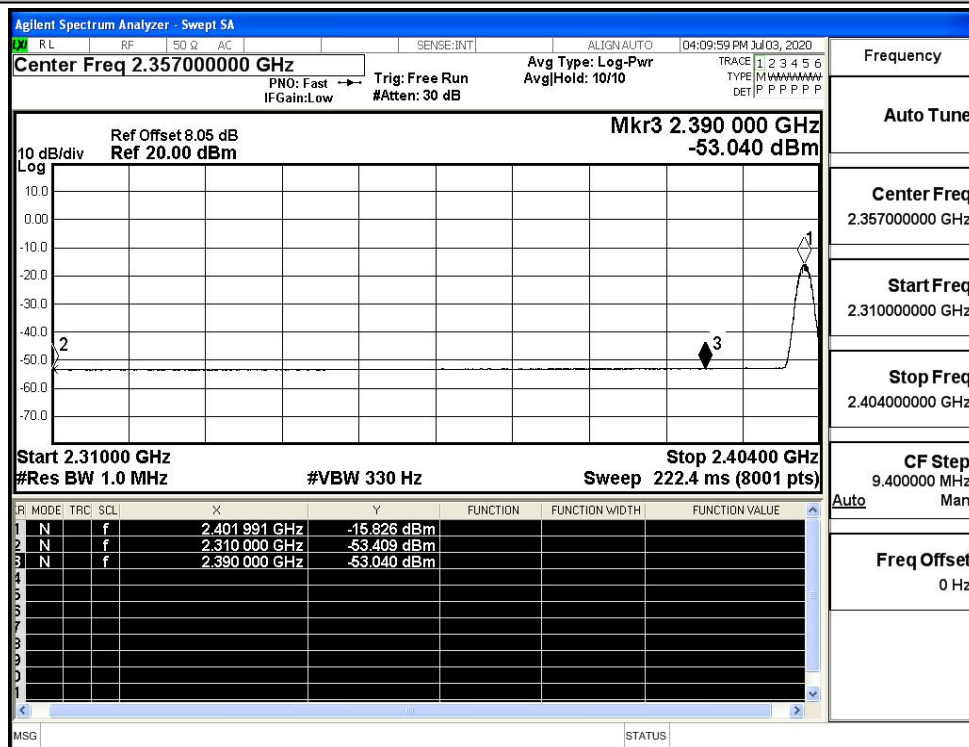
A.7 Restrict-band band-edge measurements**ANT1:**

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	-42.20	2.0	0	55.03	PEAK	74	PASS
		Ant1	2310.0	-53.41	2.0	0	43.82	AV	54	PASS
		Ant1	2390.0	-41.59	2.0	0	55.64	PEAK	74	PASS
		Ant1	2390.0	-53.04	2.0	0	44.19	AV	54	PASS
	2480	Ant1	2483.5	-41.56	2.0	0	55.67	PEAK	74	PASS
		Ant1	2483.5	-52.56	2.0	0	44.67	AV	54	PASS
		Ant1	2500.0	-42.47	2.0	0	54.76	PEAK	74	PASS
		Ant1	2500.0	-52.42	2.0	0	44.81	AV	54	PASS

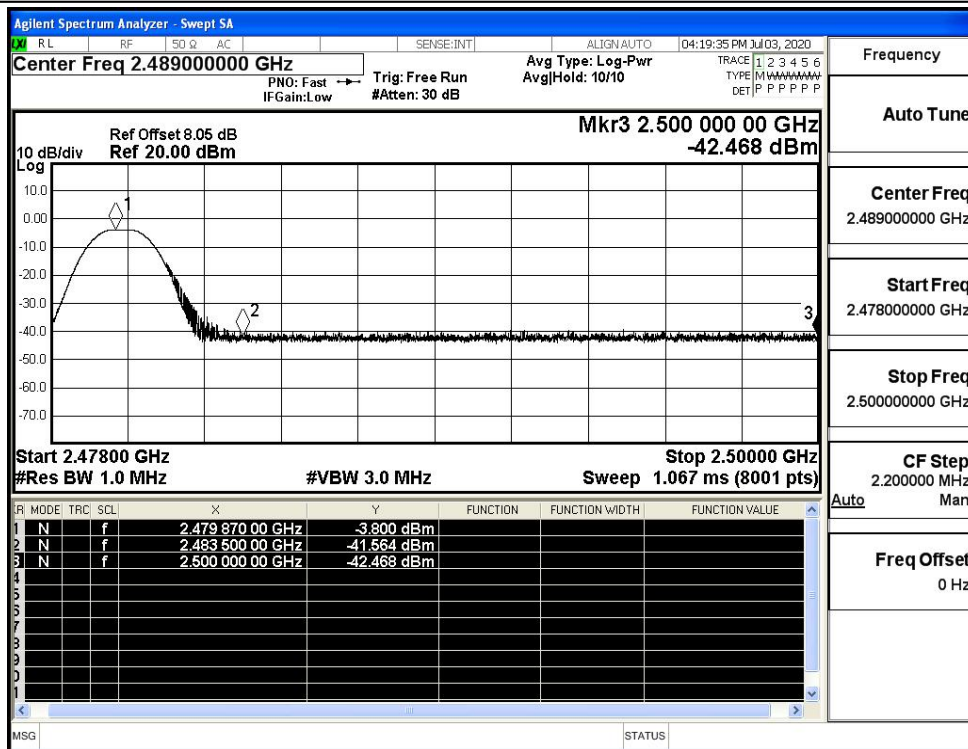
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

