

Appendix A

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

Product Name: Bluetooth Capacitive Active Stylus

Trade Mark: Renaisser

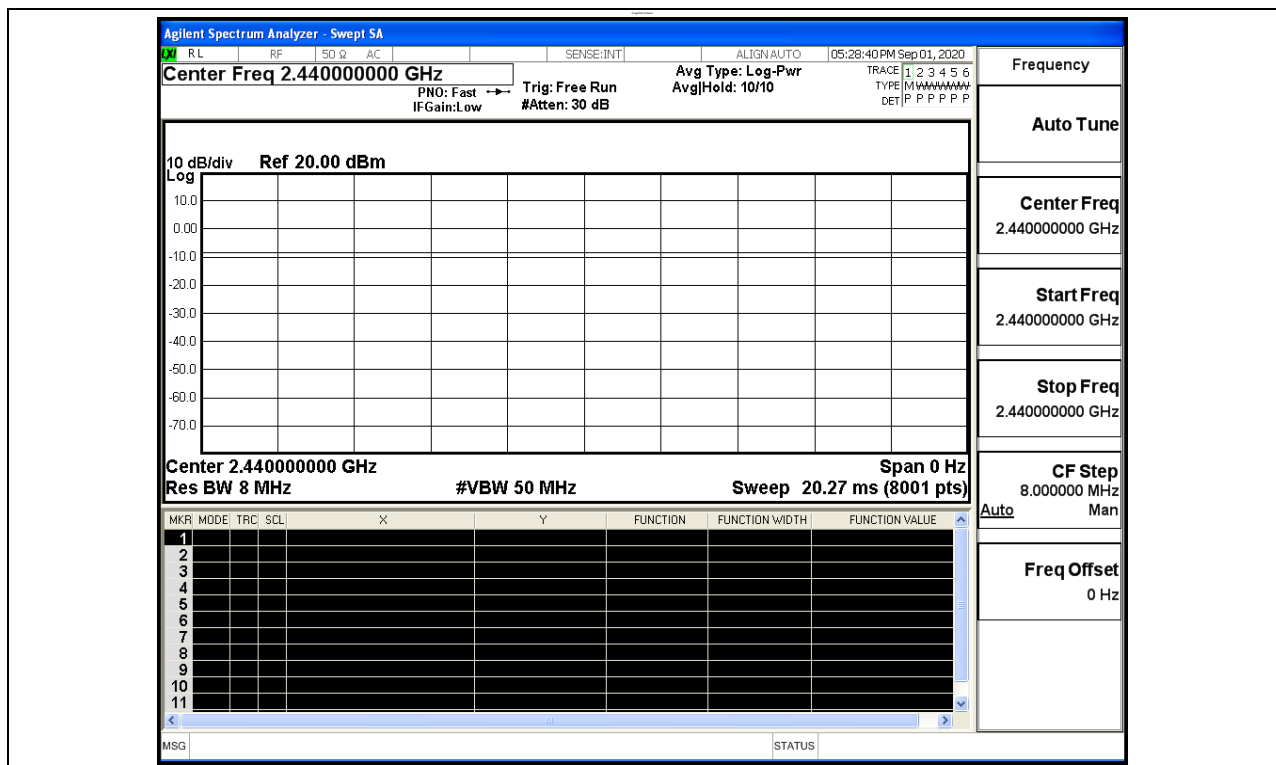
Test Model: C582

Environmental Conditions

Temperature:	22.5 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

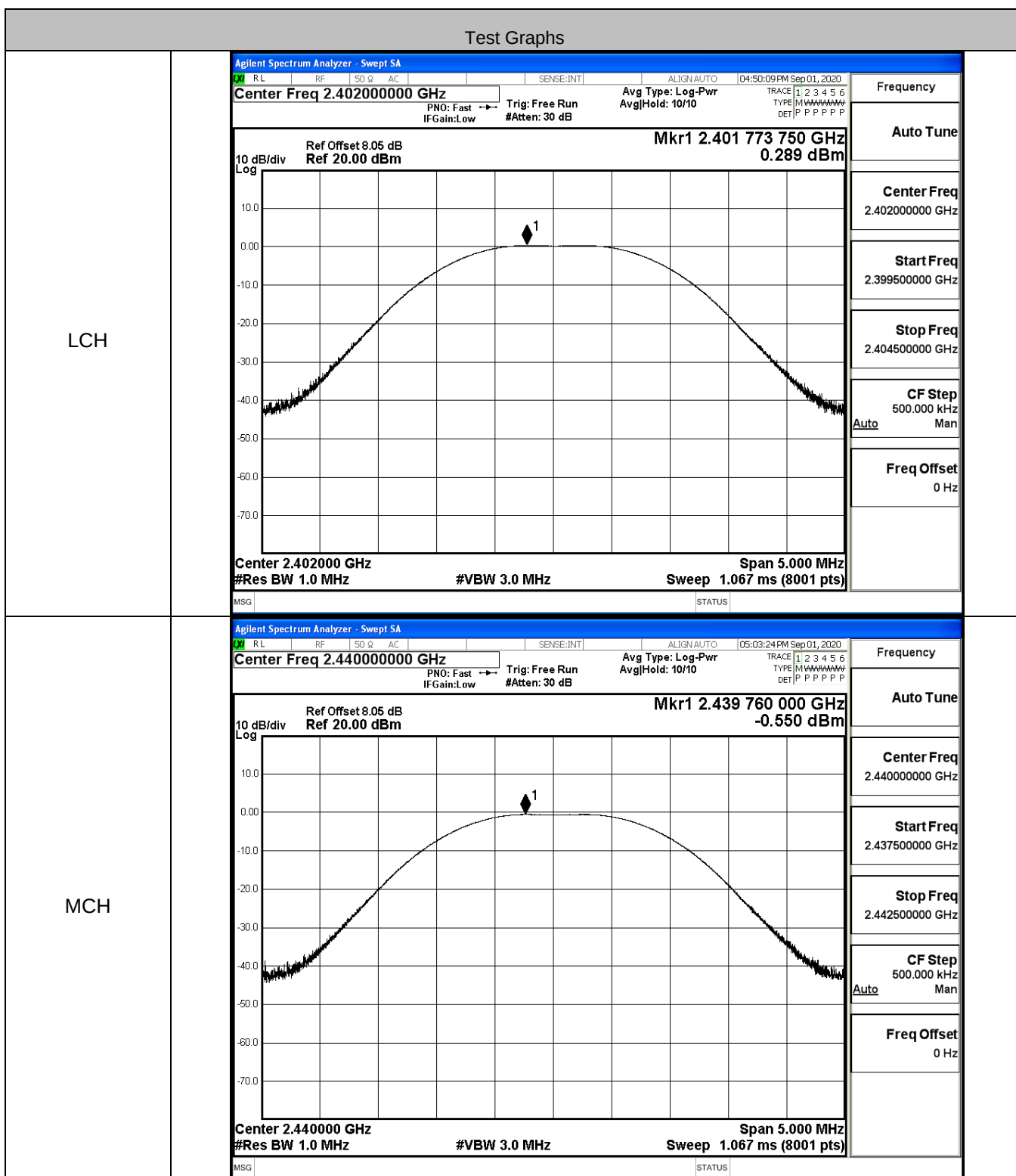
A.1 Duty Cycle

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

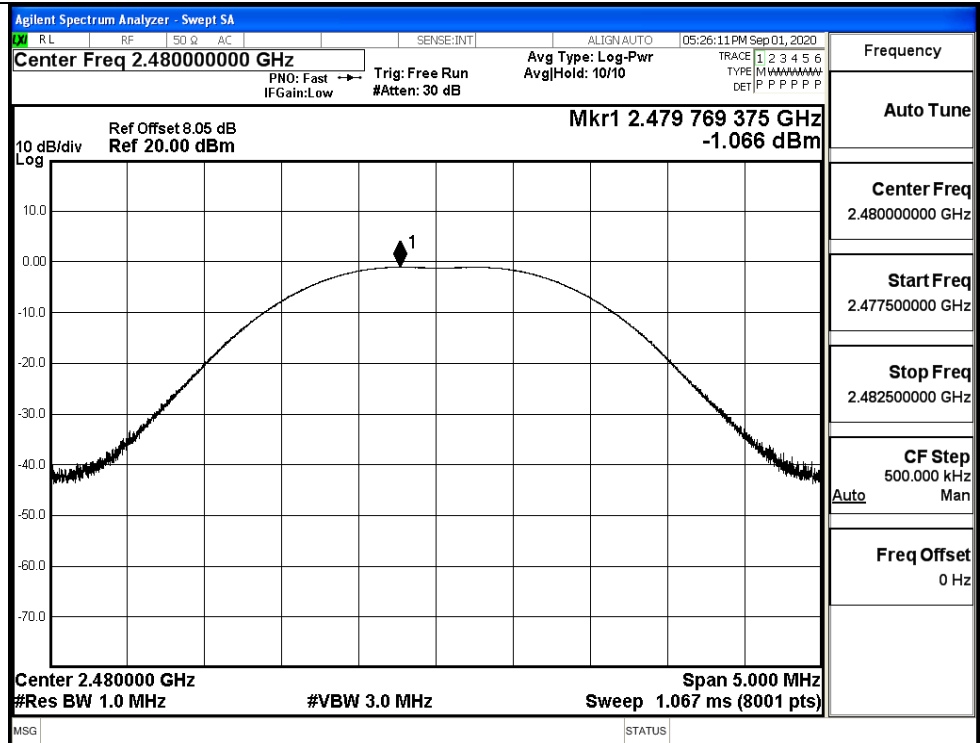


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.289	30	PASS
BT LE	MCH	-0.550	30	PASS
BT LE	HCH	-1.066	30	PASS



HCH

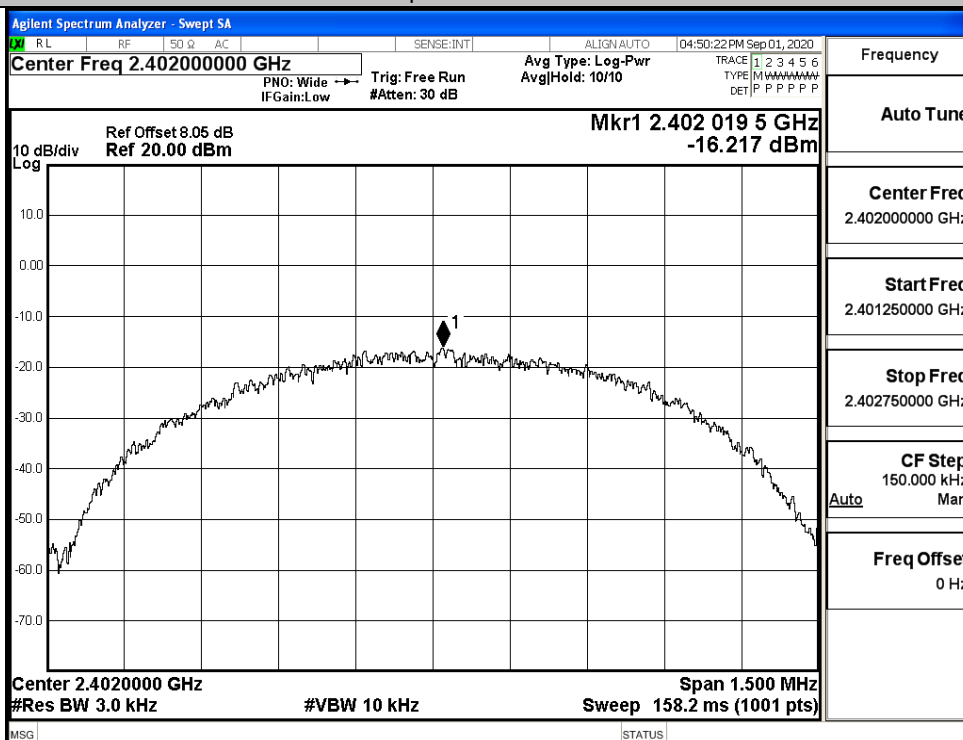


A.3 Maximum Power Spectral Density

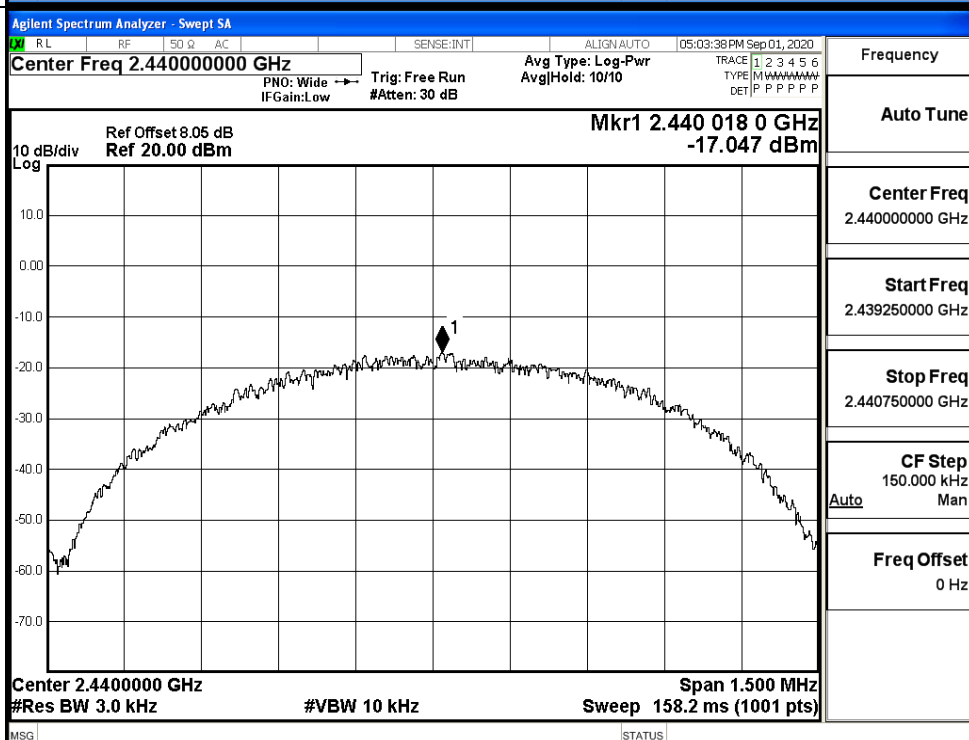
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.217	8	PASS
BT LE	MCH	-17.047	8	PASS
BT LE	HCH	-17.452	8	PASS

Test Graphs

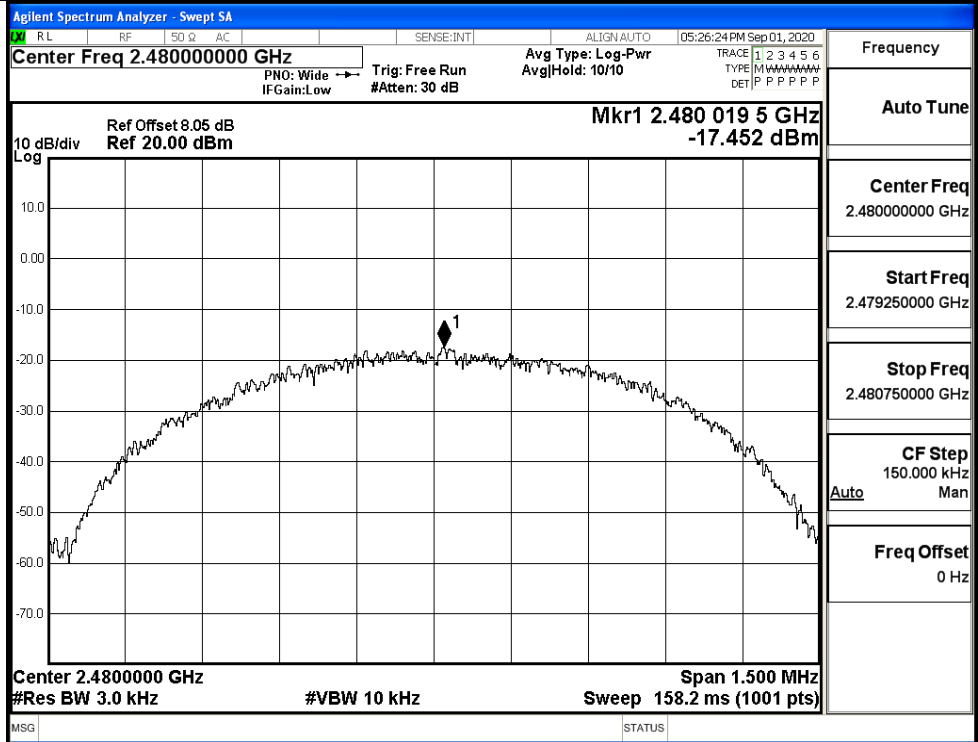
LCH



MCH



HCH

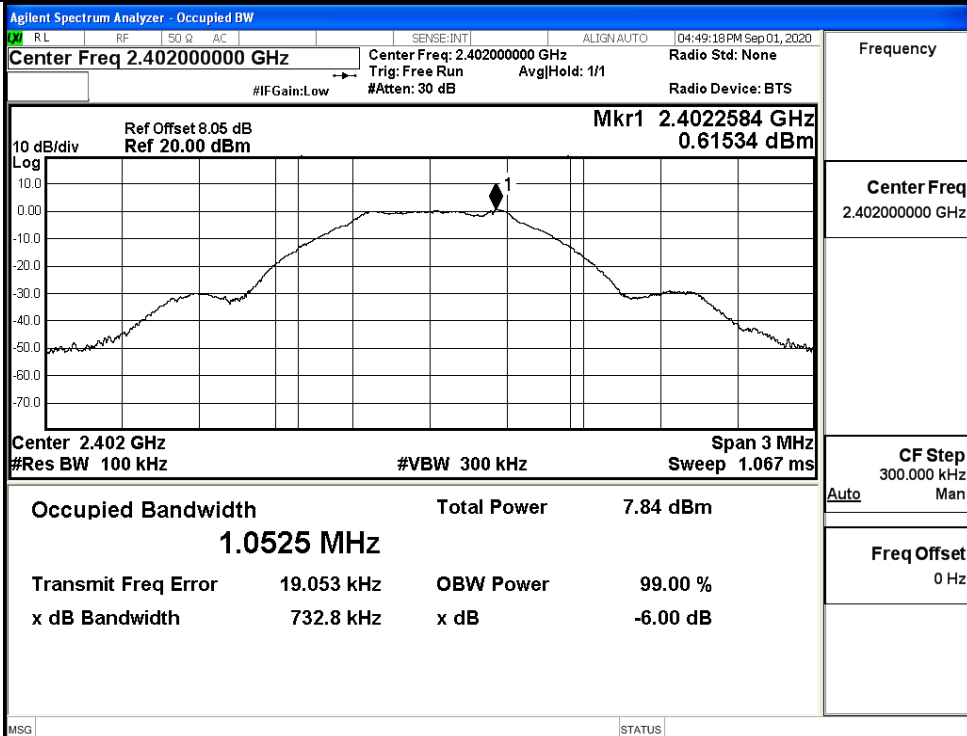


A.4 6dB Bandwidth

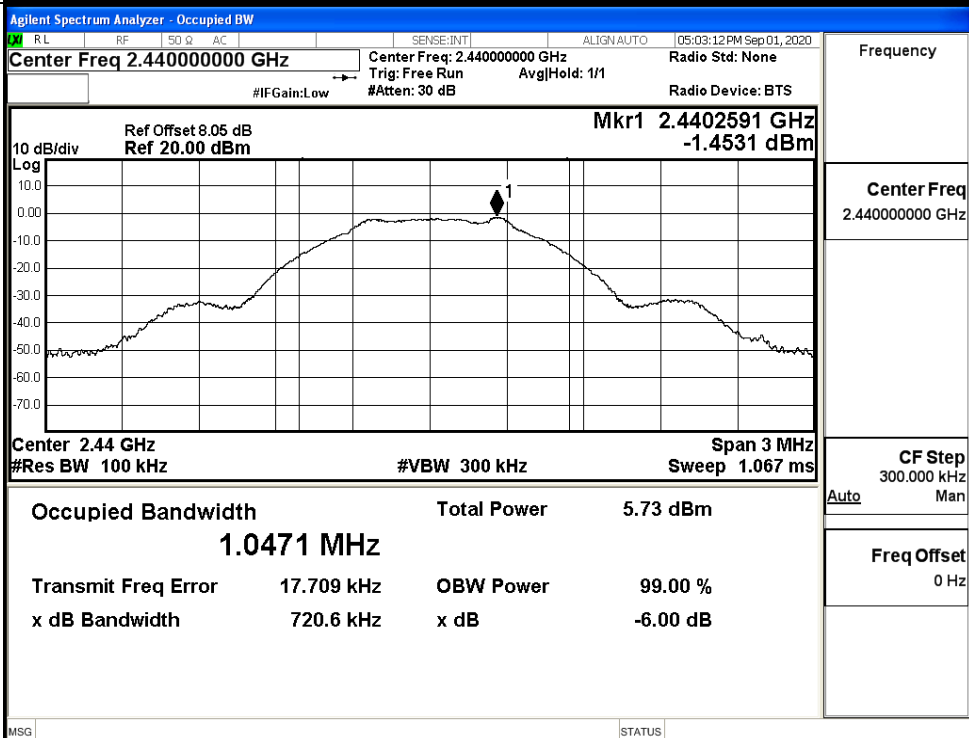
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7328	≥ 0.5	PASS
BT LE	MCH	0.7206	≥ 0.5	PASS
BT LE	HCH	0.7300	≥ 0.5	PASS

Test Graphs

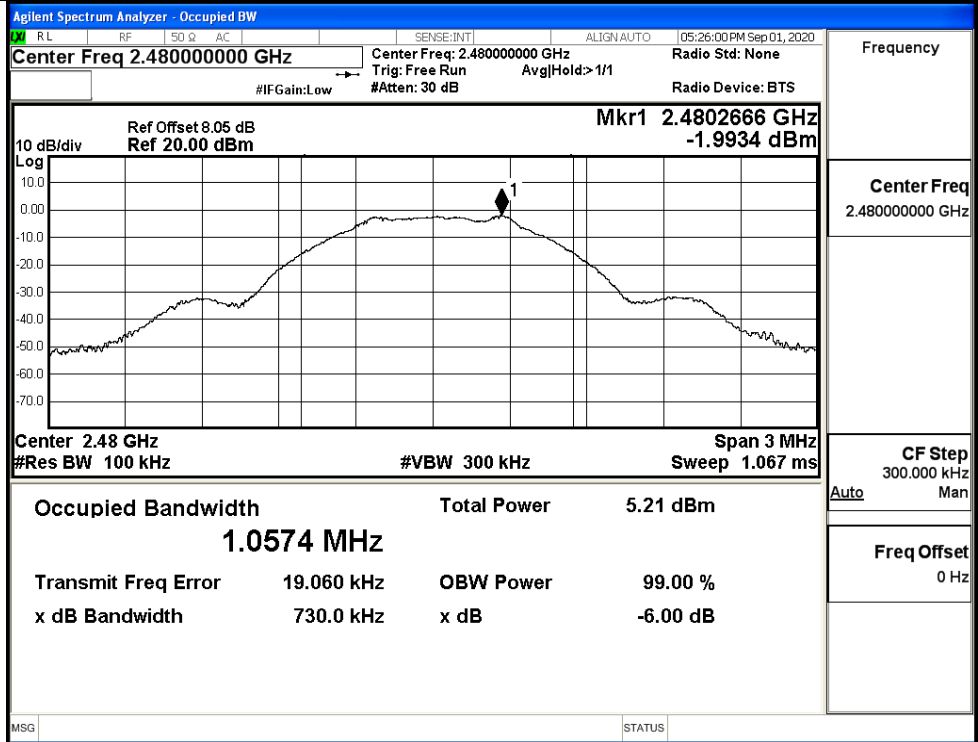
LCH



MCH



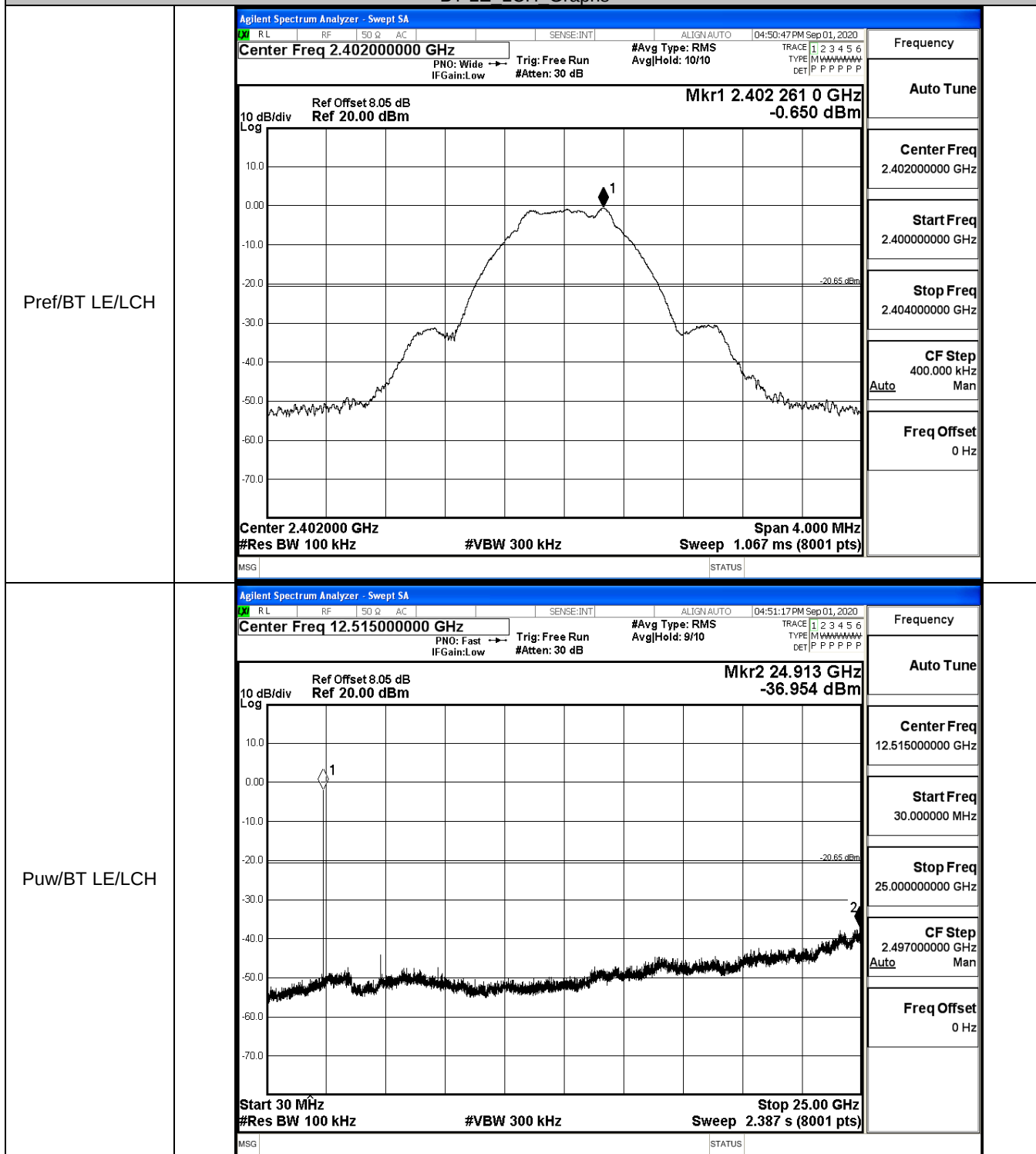
HCH



B.5 RF Conducted Spurious Emissions

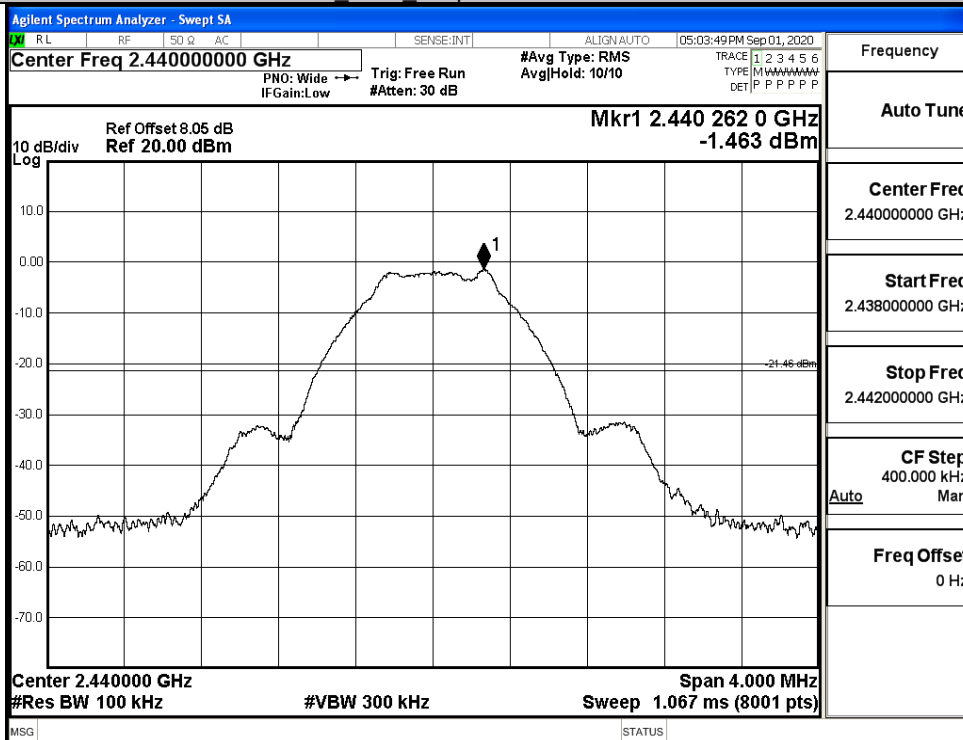
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.65	-36.954	-20.650	PASS
BT LE	MCH	-1.463	-36.299	-21.463	PASS
BT LE	HCH	-1.957	-37.708	-21.957	PASS

BT LE LCH Graphs

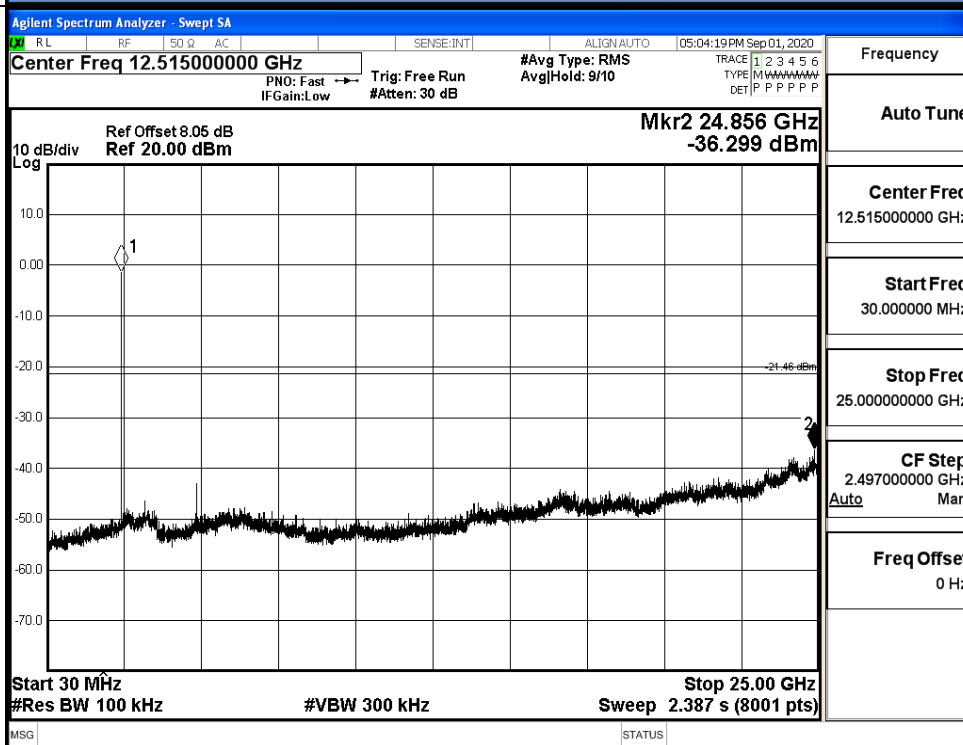


BT LE MCH Graphs

Pref/BT LE/MCH

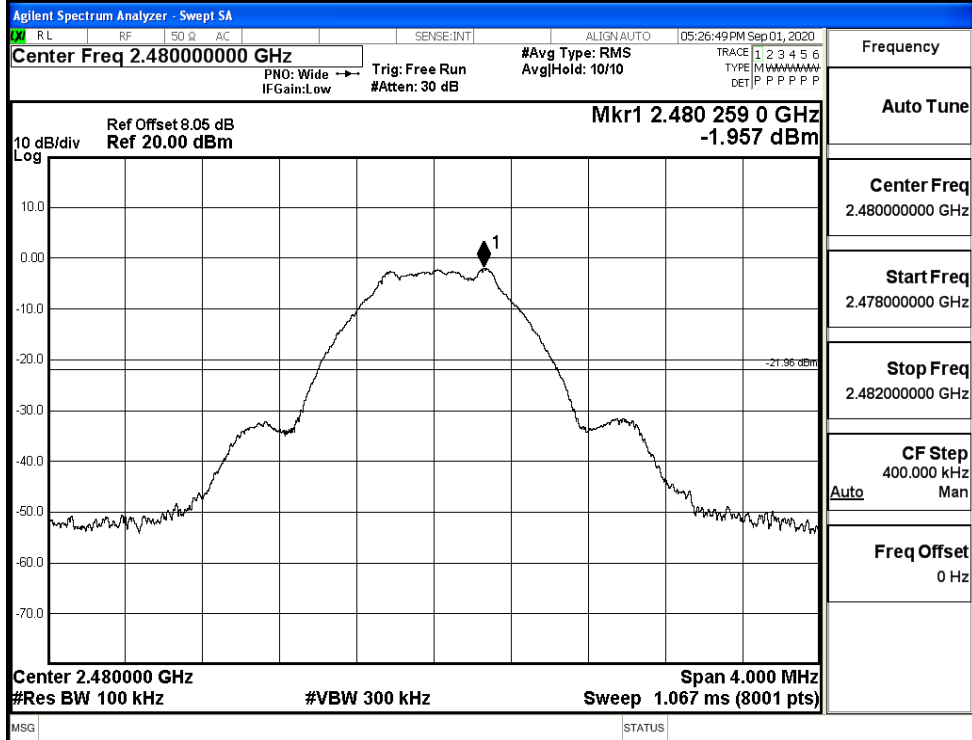


Puw/BT LE/MCH

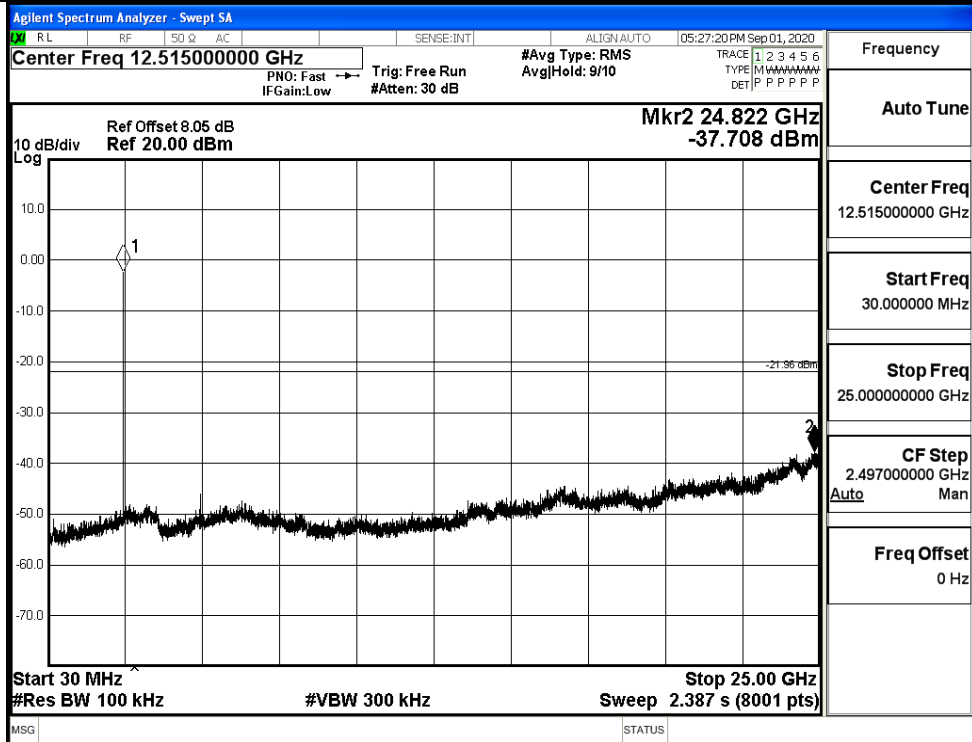


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

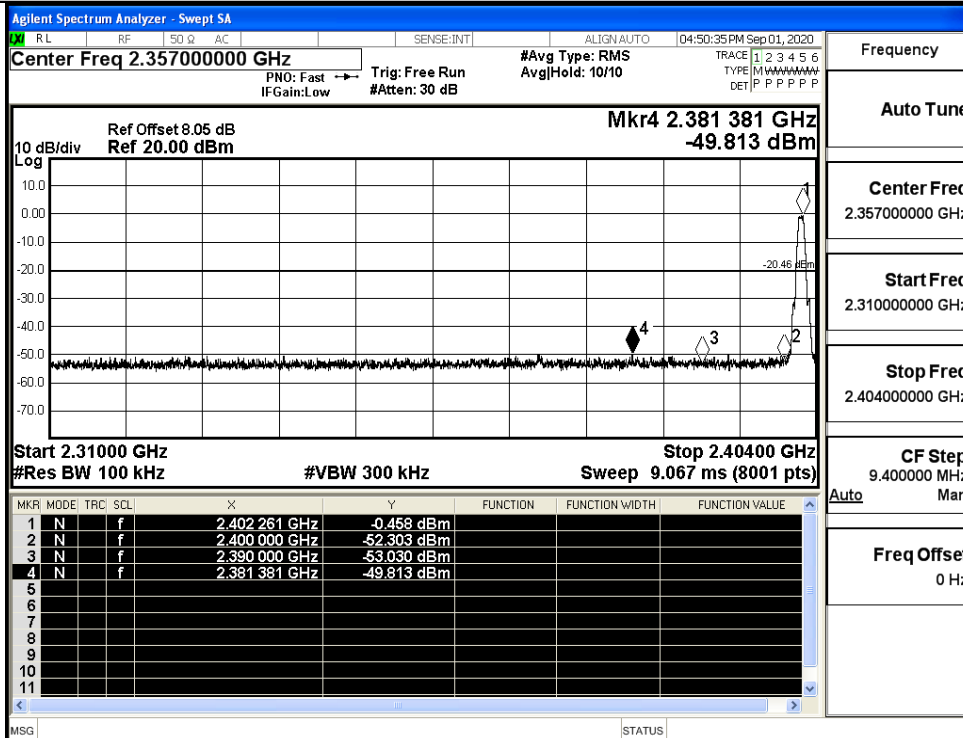


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.458	-49.813	-20.46	PASS
BT LE	HCH	-1.812	-49.084	-21.81	PASS

Test Graphs

LCH

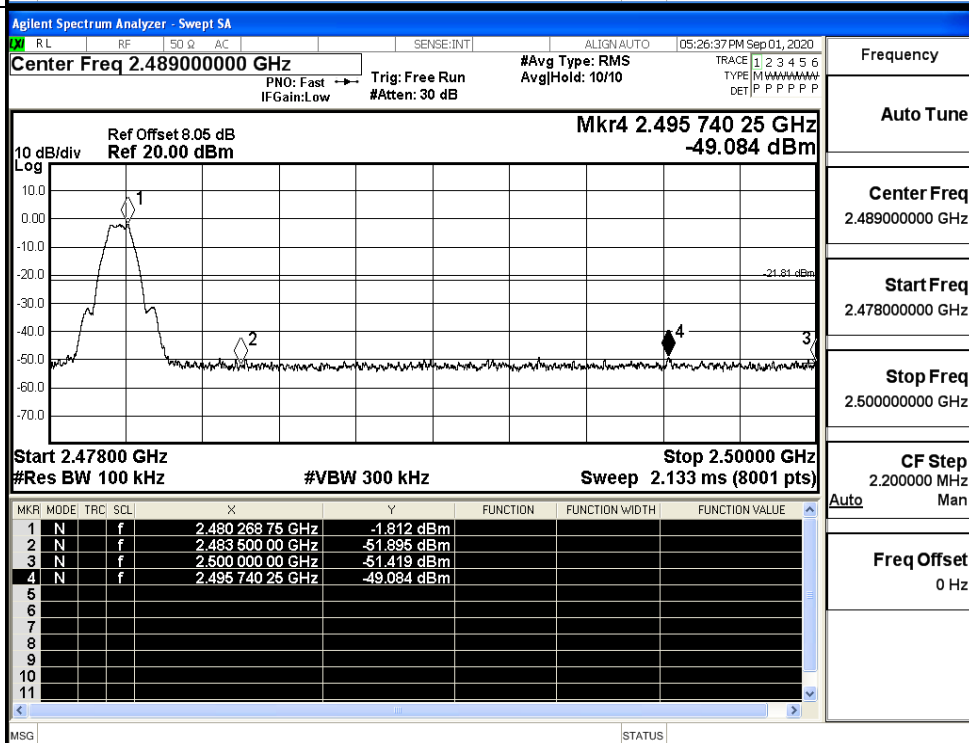


Frequency

Auto Tune

Center Freq
2.357000000 GHzStart Freq
2.310000000 GHzStop Freq
2.404000000 GHzCF Step
9.400000 MHz
Auto ManFreq Offset
0 Hz

HCH



Frequency

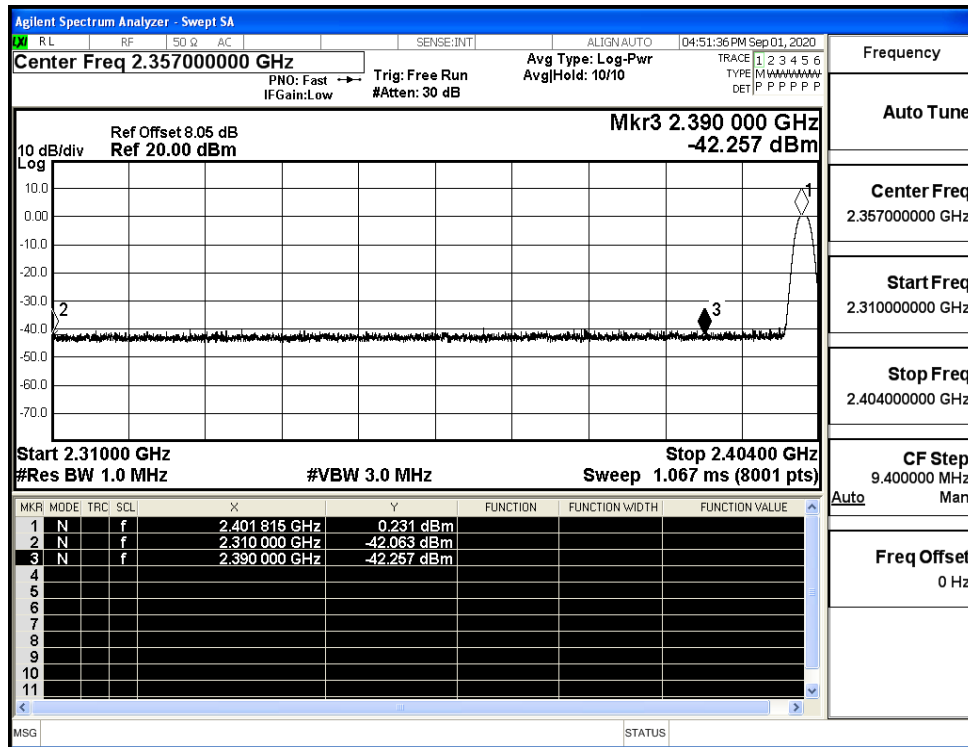
Auto Tune

Center Freq
2.489000000 GHzStart Freq
2.478000000 GHzStop Freq
2.500000000 GHzCF Step
2.200000 MHz
Auto ManFreq Offset
0 Hz

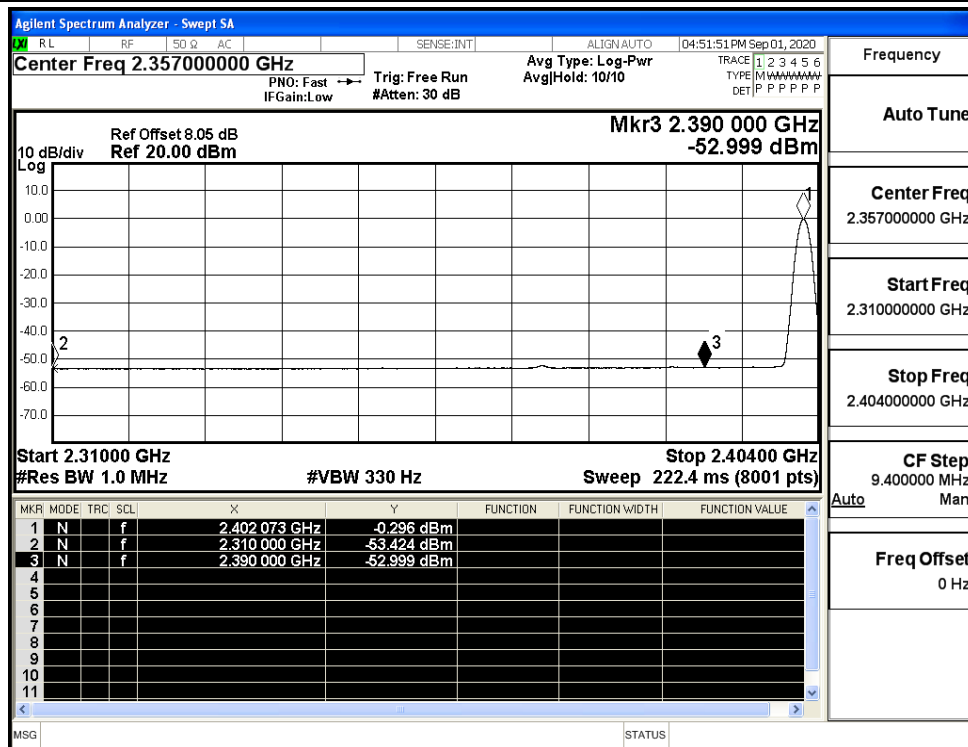
A.7 Restrict-band band-edge measurements

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	-42.06	2.0	0	55.17	PEAK	74	PASS
		Ant1	2310.0	-53.42	2.0	0	43.81	AV	54	PASS
		Ant1	2390.0	-42.26	2.0	0	54.97	PEAK	74	PASS
		Ant1	2390.0	-53.00	2.0	0	44.23	AV	54	PASS
	2480	Ant1	2483.5	-43.38	2.0	0	53.85	PEAK	74	PASS
		Ant1	2483.5	-52.42	2.0	0	44.81	AV	54	PASS
		Ant1	2500.0	-41.71	2.0	0	55.52	PEAK	74	PASS
		Ant1	2500.0	-52.34	2.0	0	44.89	AV	54	PASS

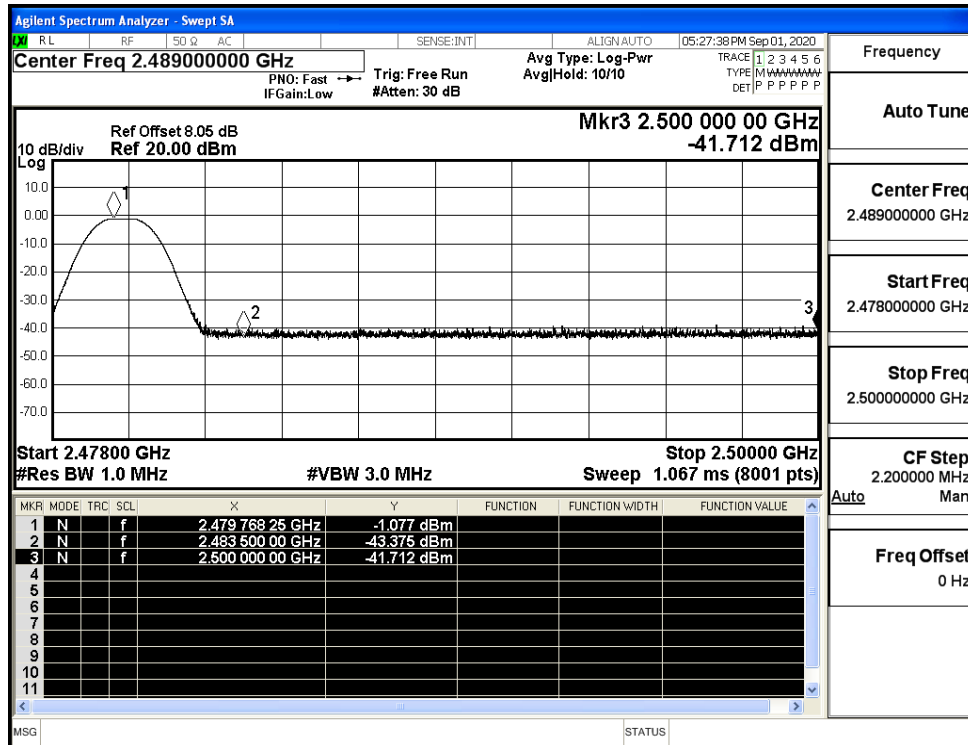
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

