

Appendix A

RF Test Data for BT V4.0(LE) (Conducted Measurement)

Product Name: AXO power meter

Trade Mark: SIGEYI

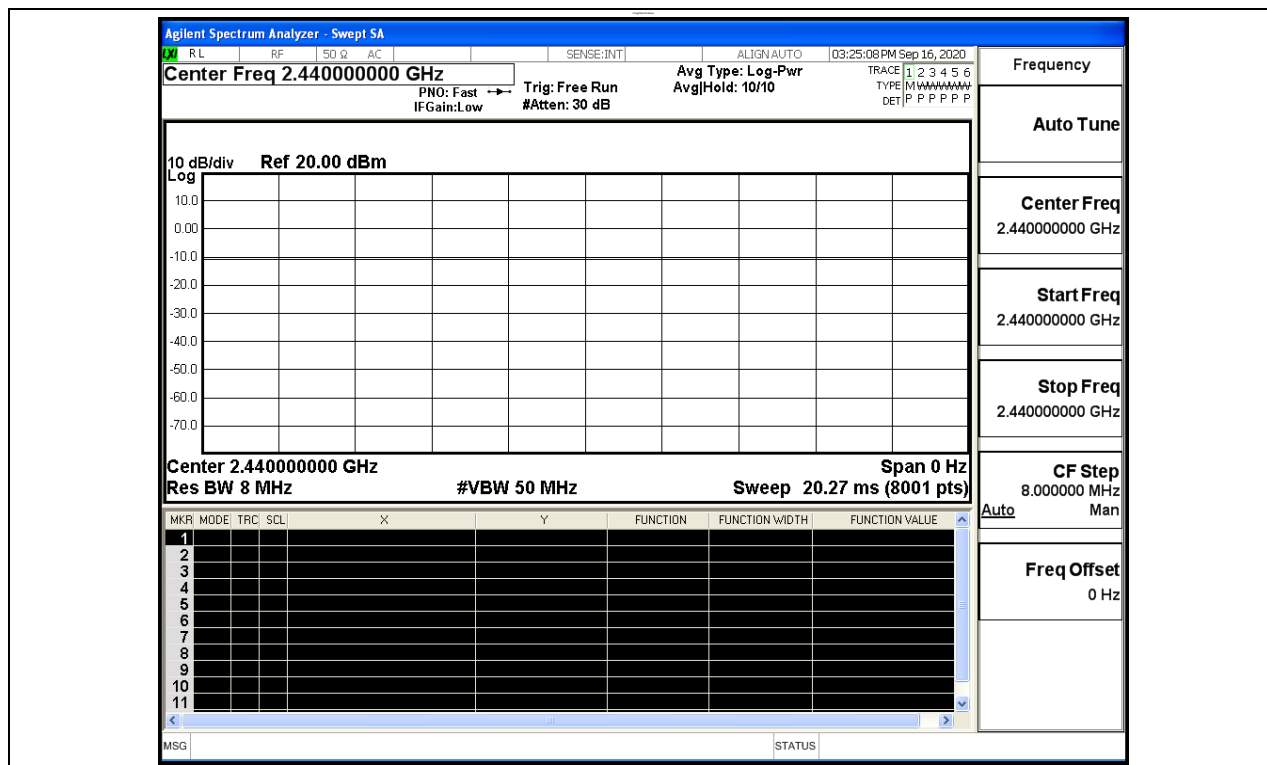
Test Model: PM013

Environmental Conditions

Temperature:	25.1 ° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jam Zheng
Supervised by:	Tom.Liu

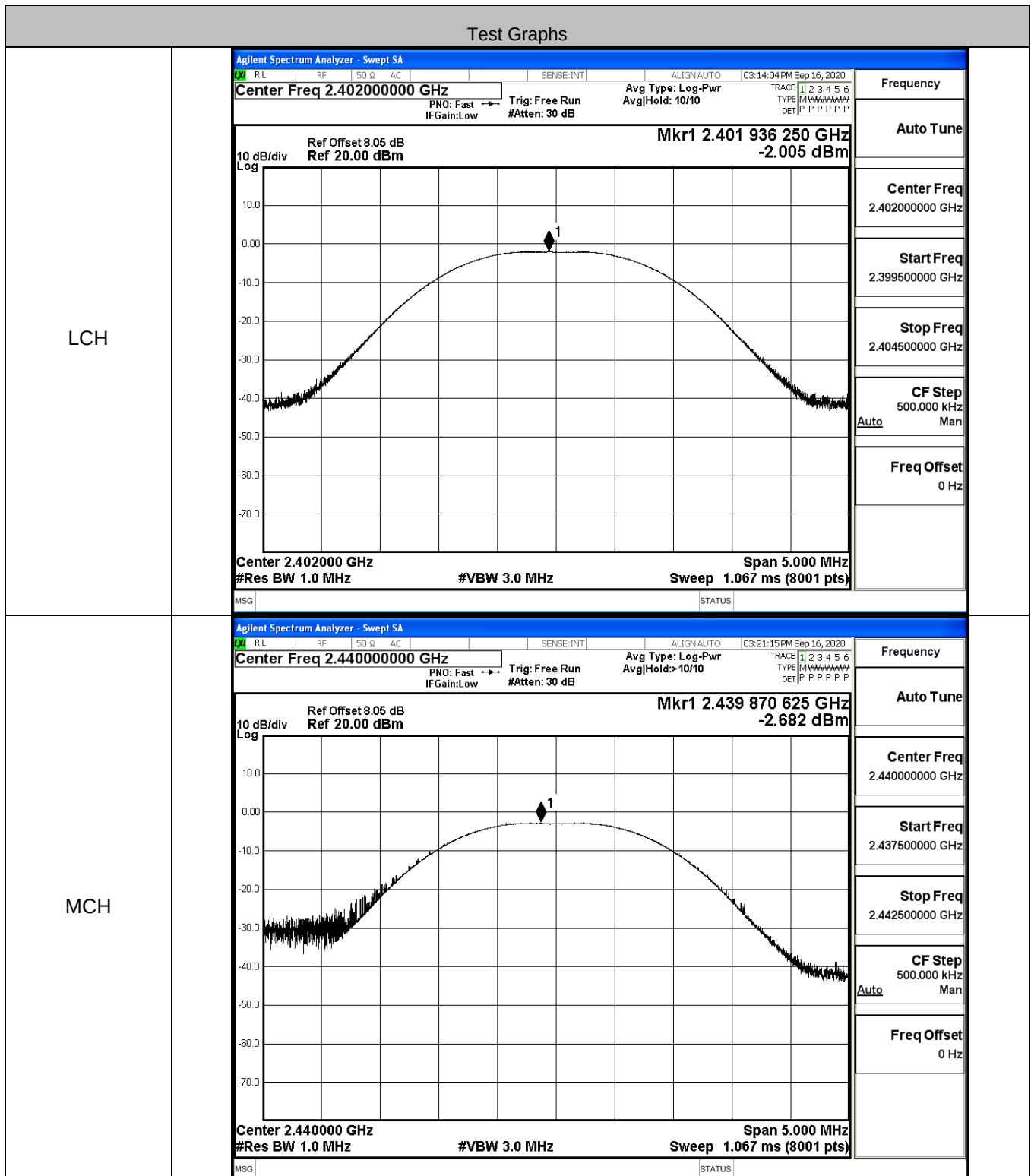
A.1 Duty Cycle

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

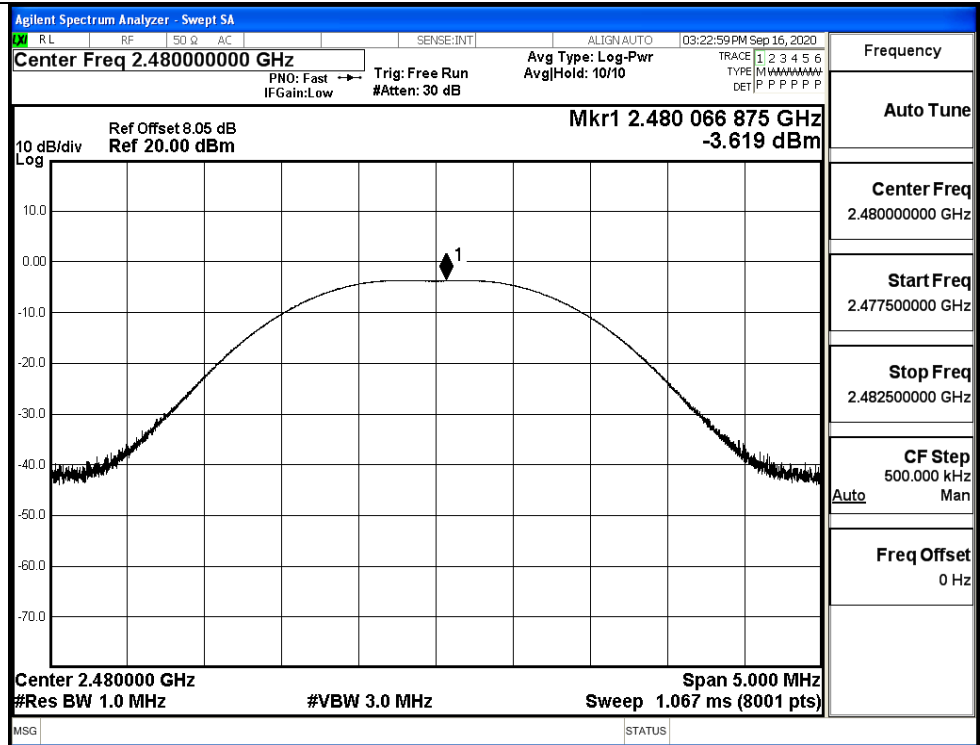


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.005	30	PASS
BT LE	MCH	-2.682	30	PASS
BT LE	HCH	-3.619	30	PASS



HCH

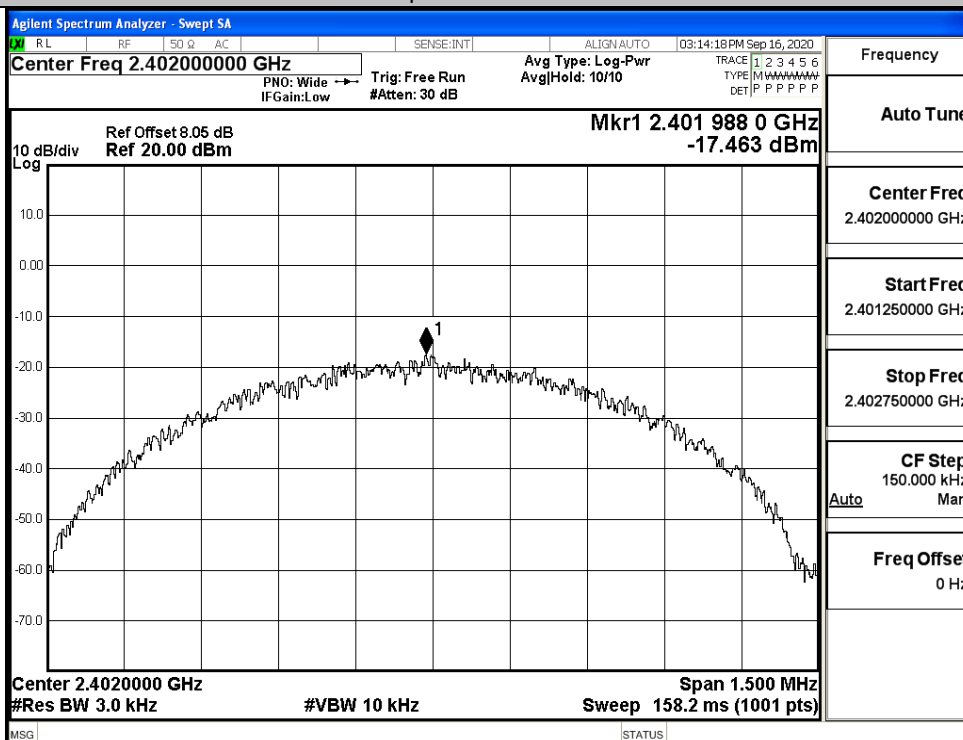


A.3 Maximum Power Spectral Density

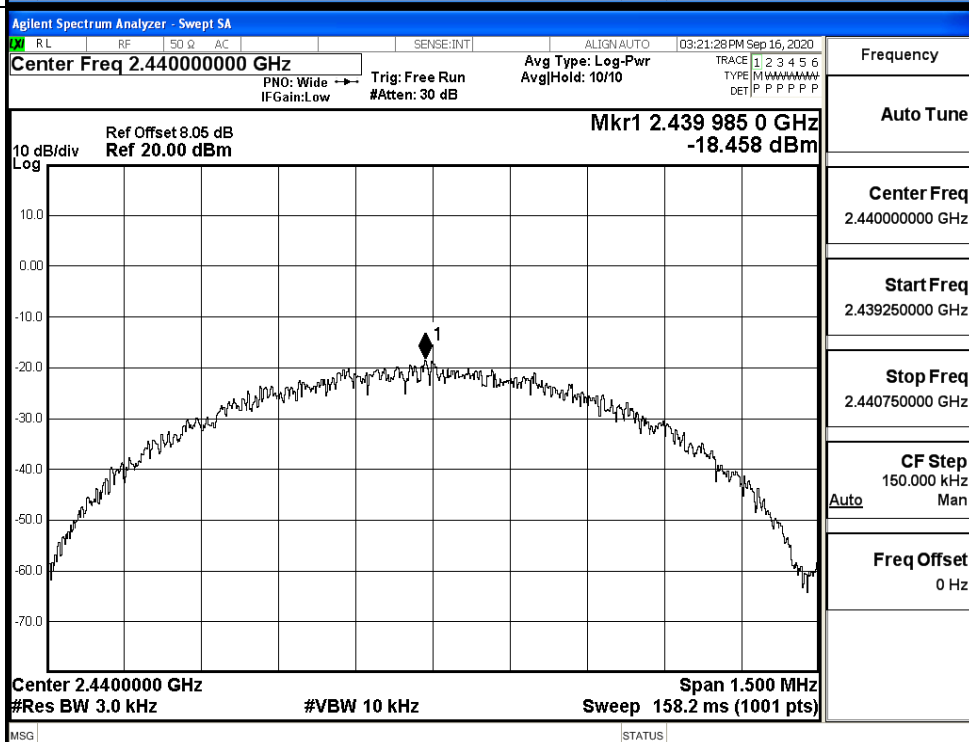
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.463	8	PASS
BT LE	MCH	-18.458	8	PASS
BT LE	HCH	-19.085	8	PASS

Test Graphs

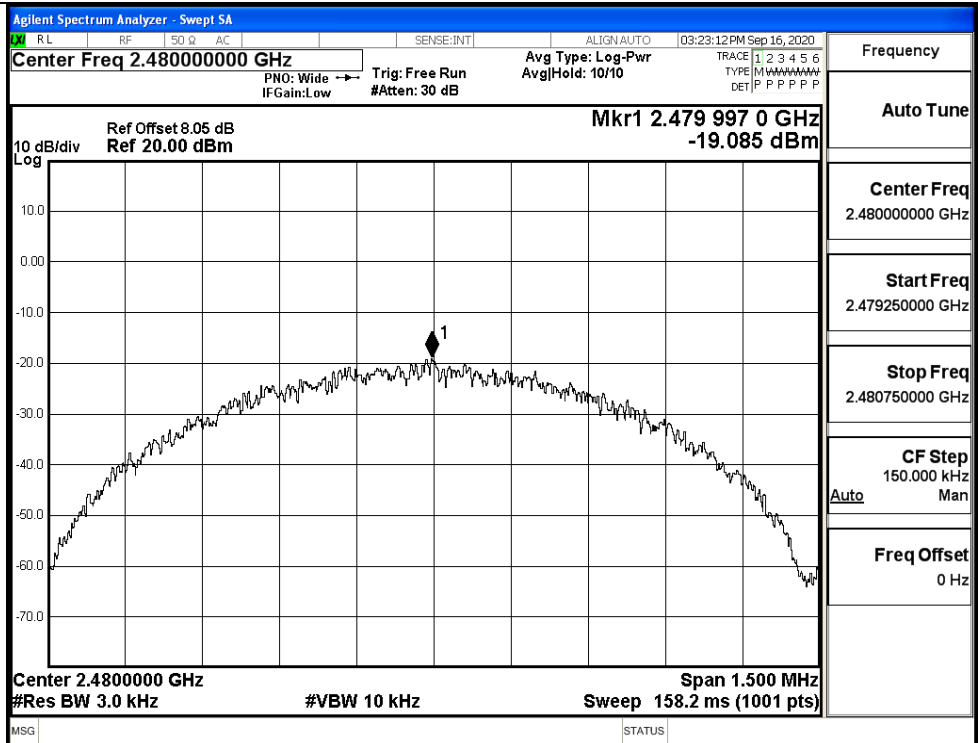
LCH



MCH



HCH

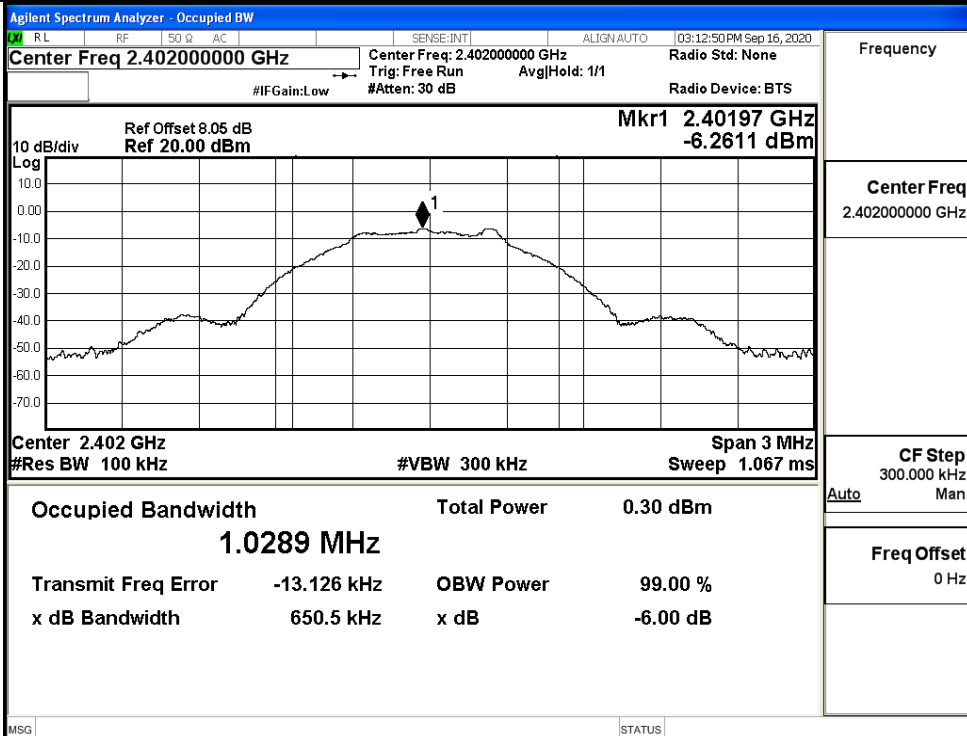


A.4 6dB Bandwidth

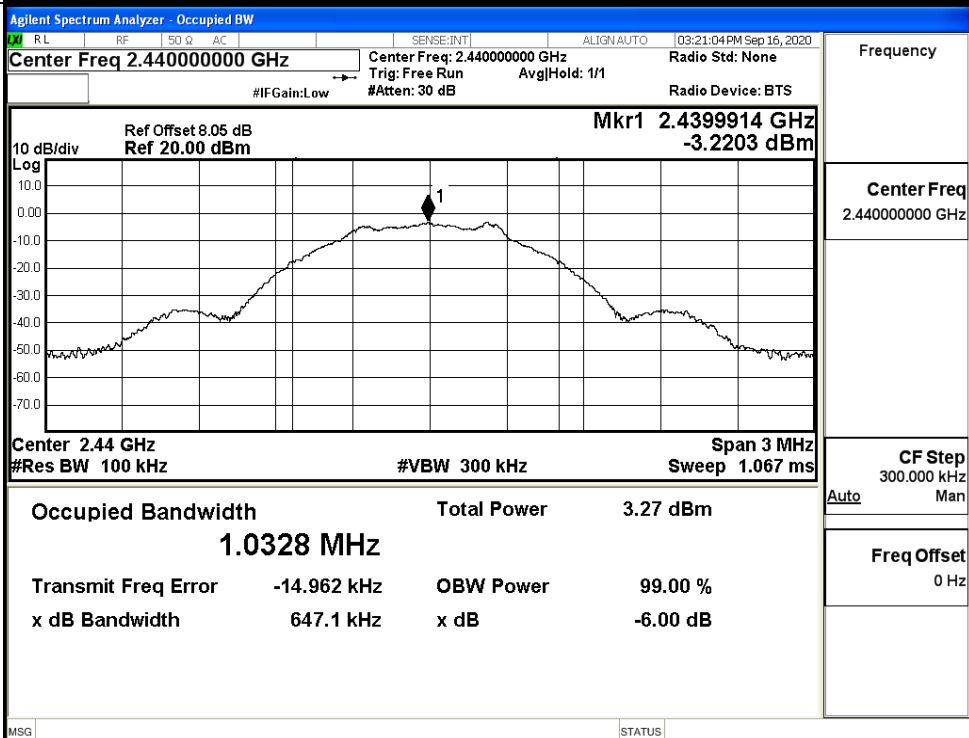
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6505	≥ 0.5	PASS
BT LE	MCH	0.6471	≥ 0.5	PASS
BT LE	HCH	0.6370	≥ 0.5	PASS

Test Graphs

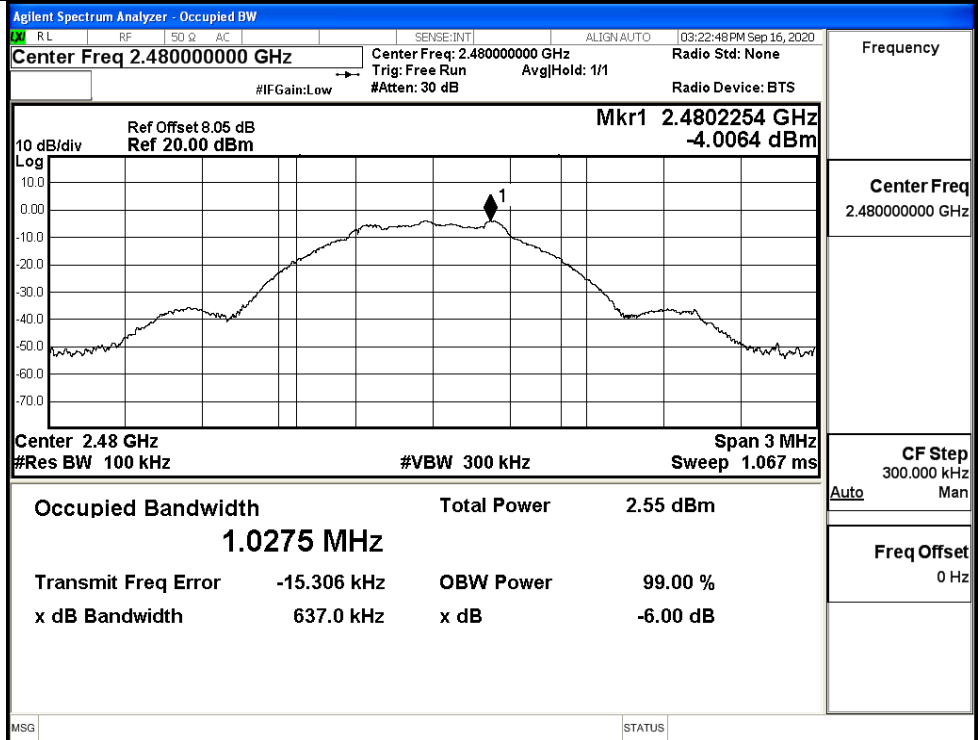
LCH



MCH



HCH

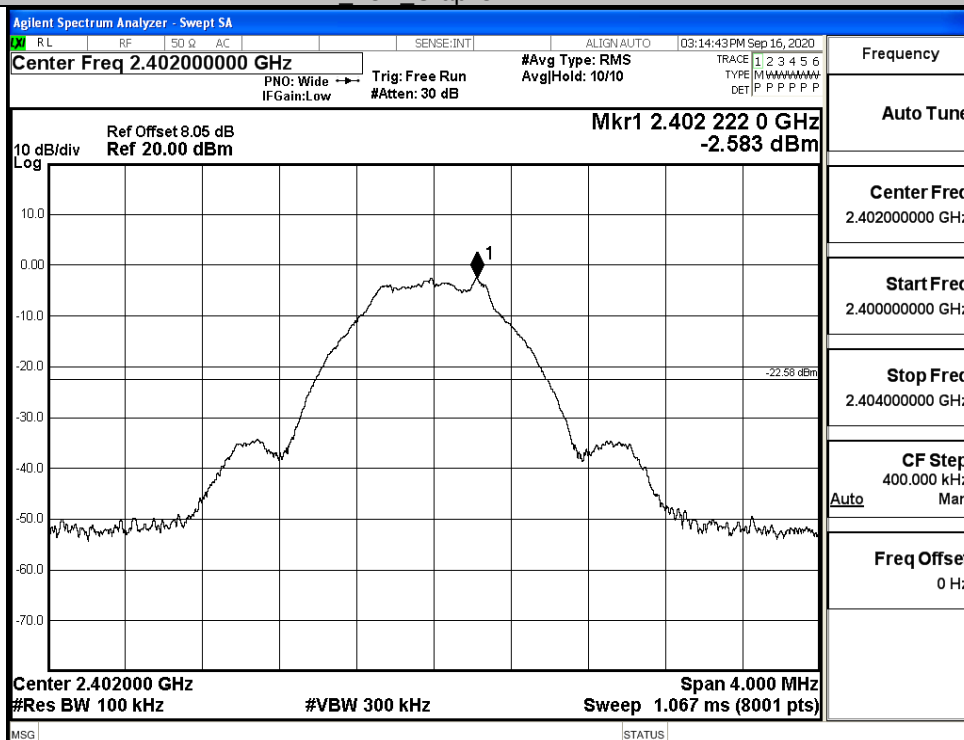


A.5 RF Conducted Spurious Emissions

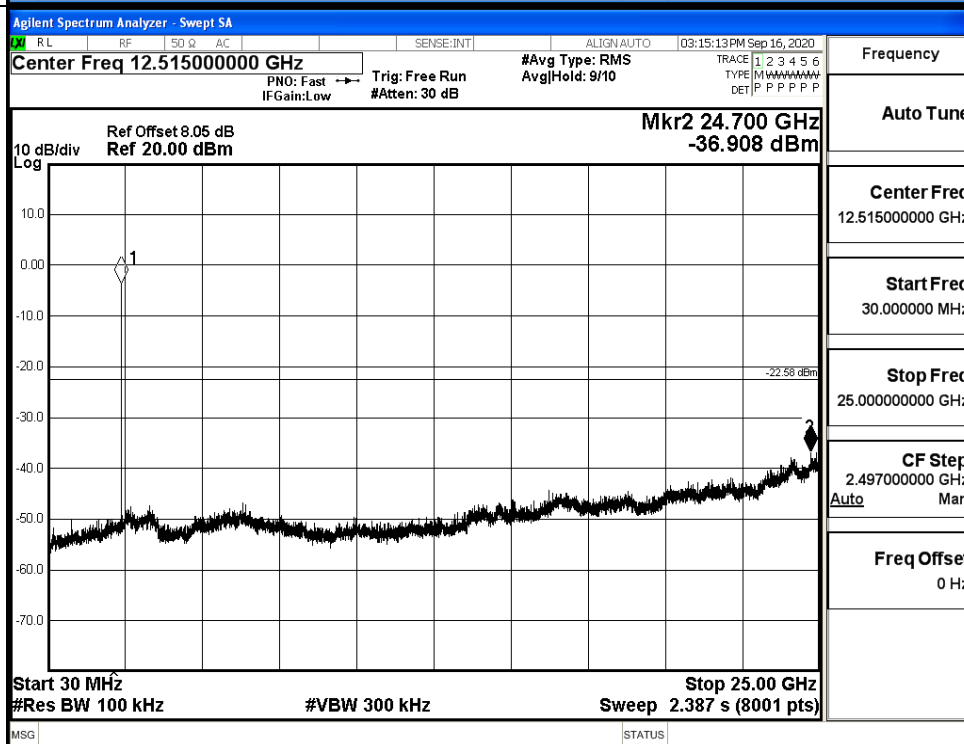
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.583	-36.908	-22.583	PASS
BT LE	MCH	-3.229	-36.603	-23.229	PASS
BT LE	HCH	-4.164	-36.912	-24.164	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

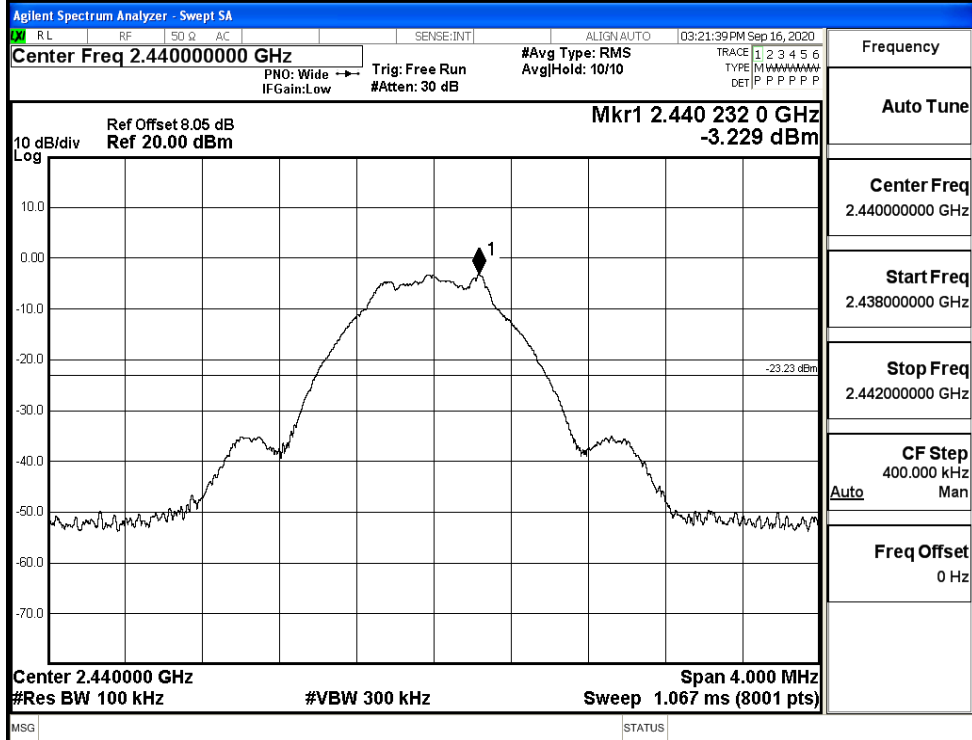


Puw/BT LE/LCH

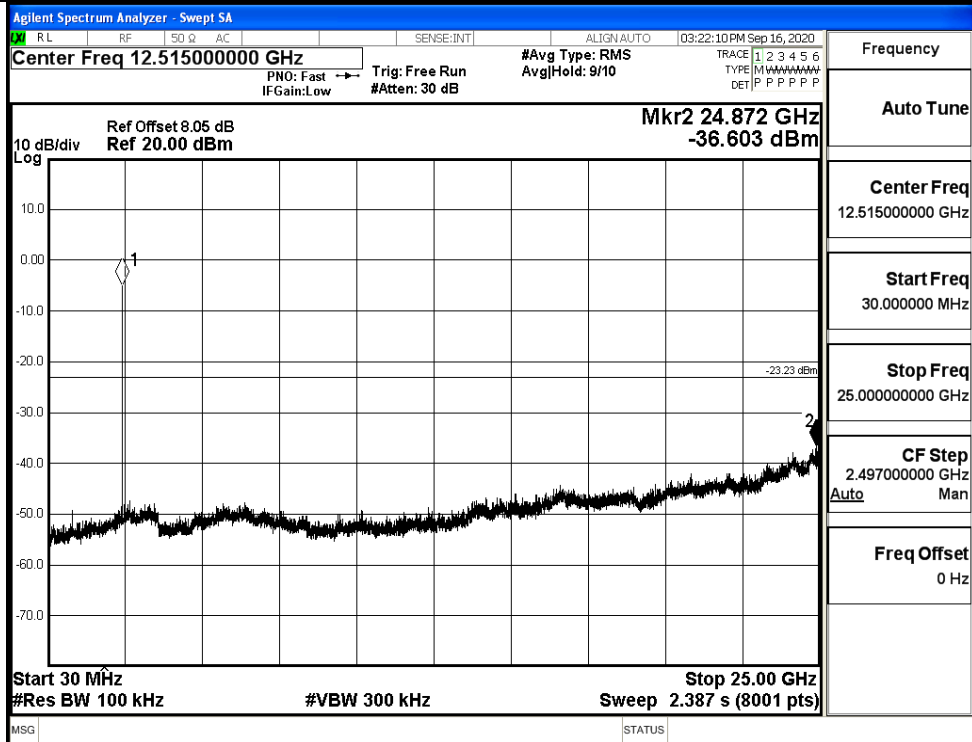


BT LE MCH Graphs

Pref/BT LE/MCH

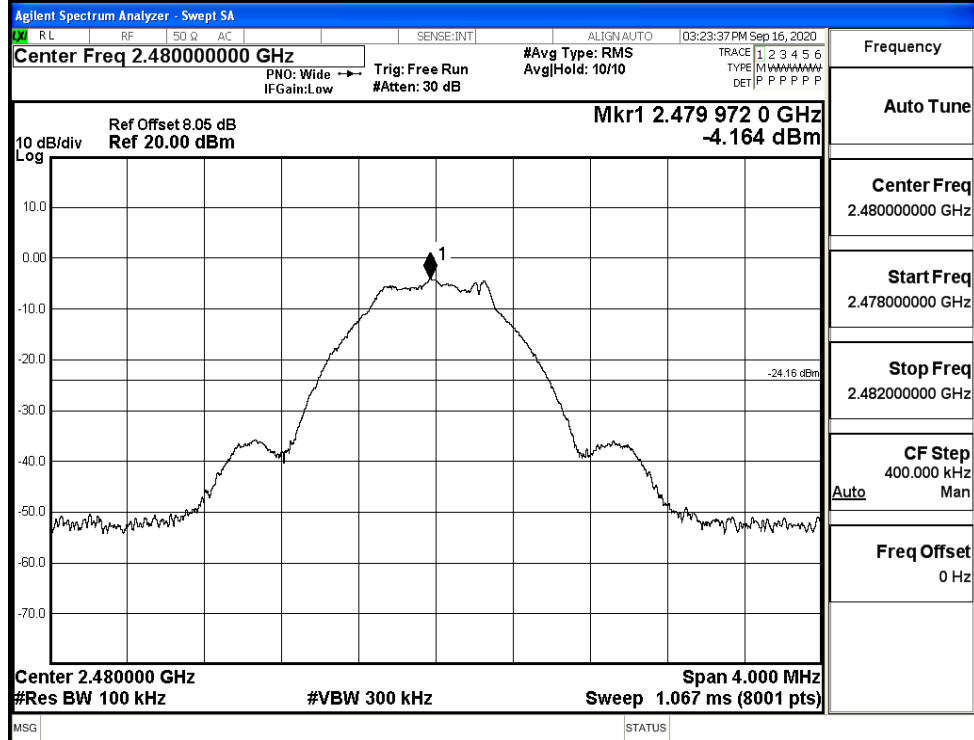


Puw/BT LE/MCH

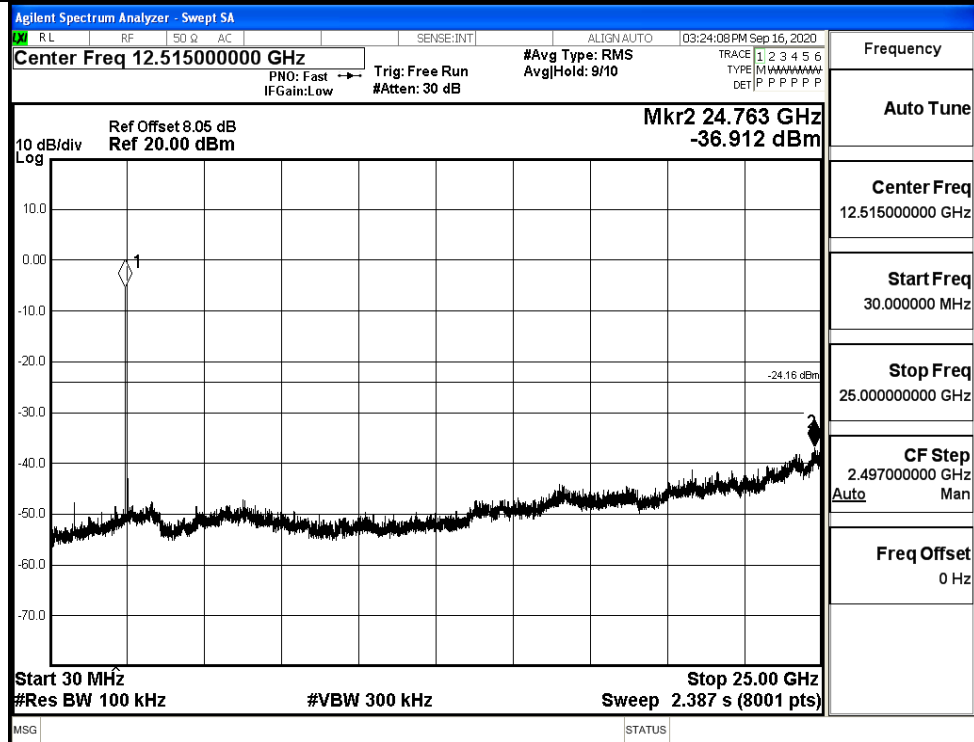


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

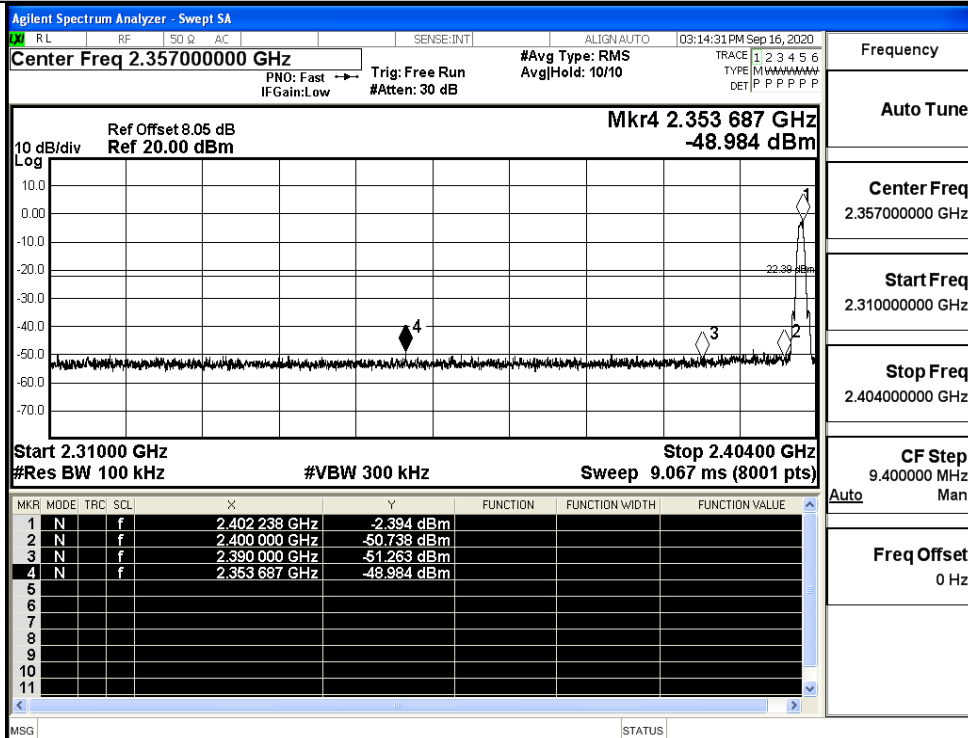


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.394	-48.984	-22.39	PASS
BT LE	HCH	-4.408	-48.705	-24.41	PASS

Test Graphs

LCH

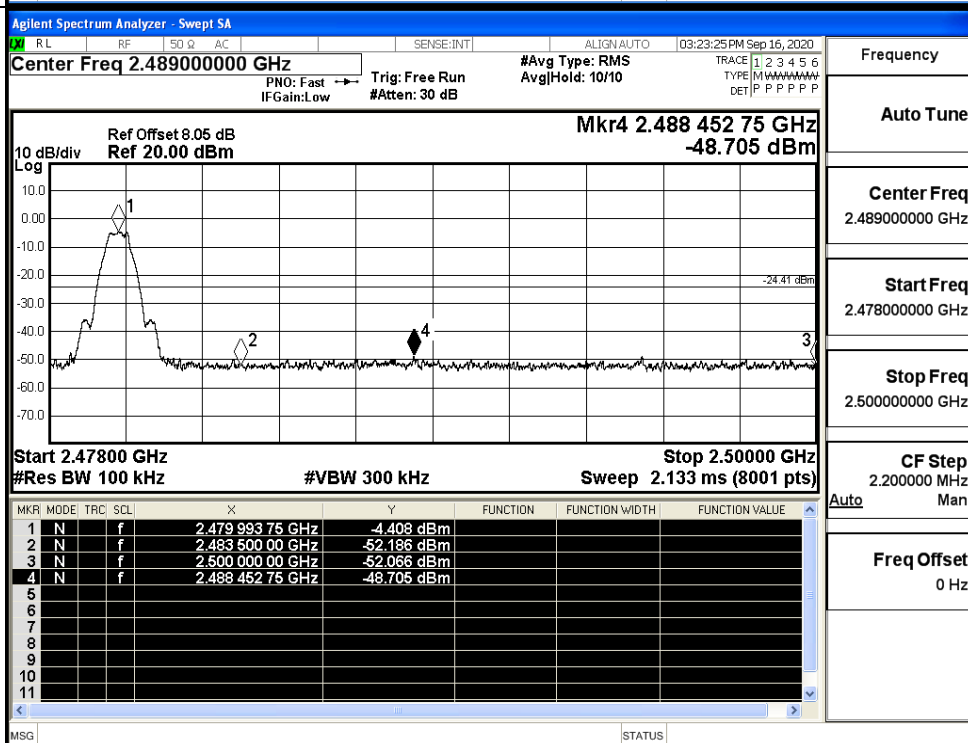


Frequency

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

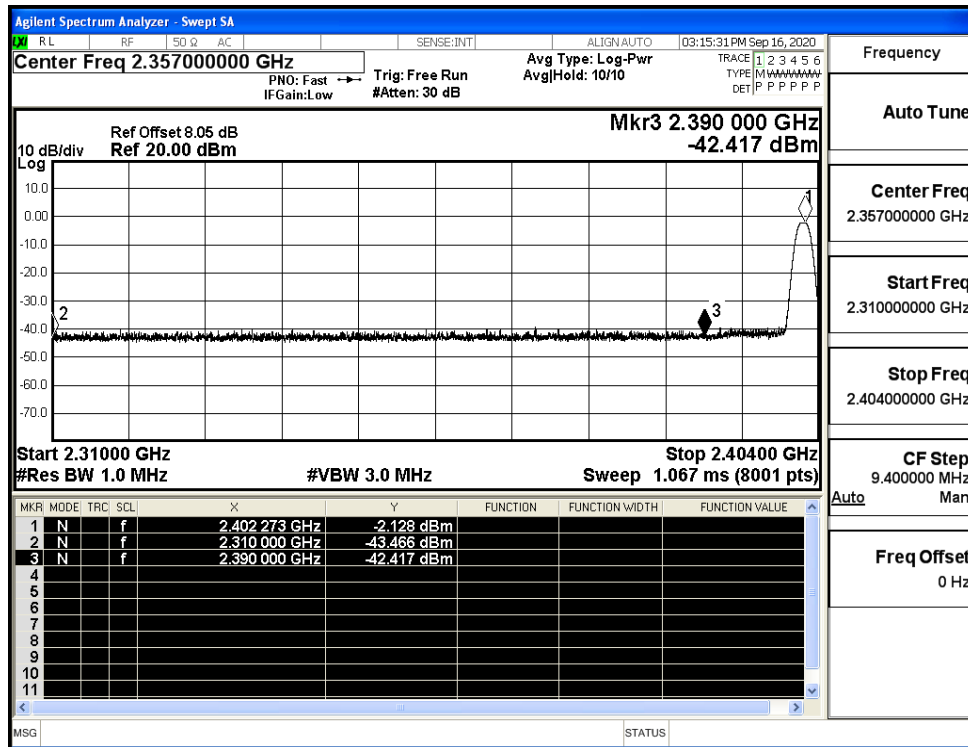
Auto Tune

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

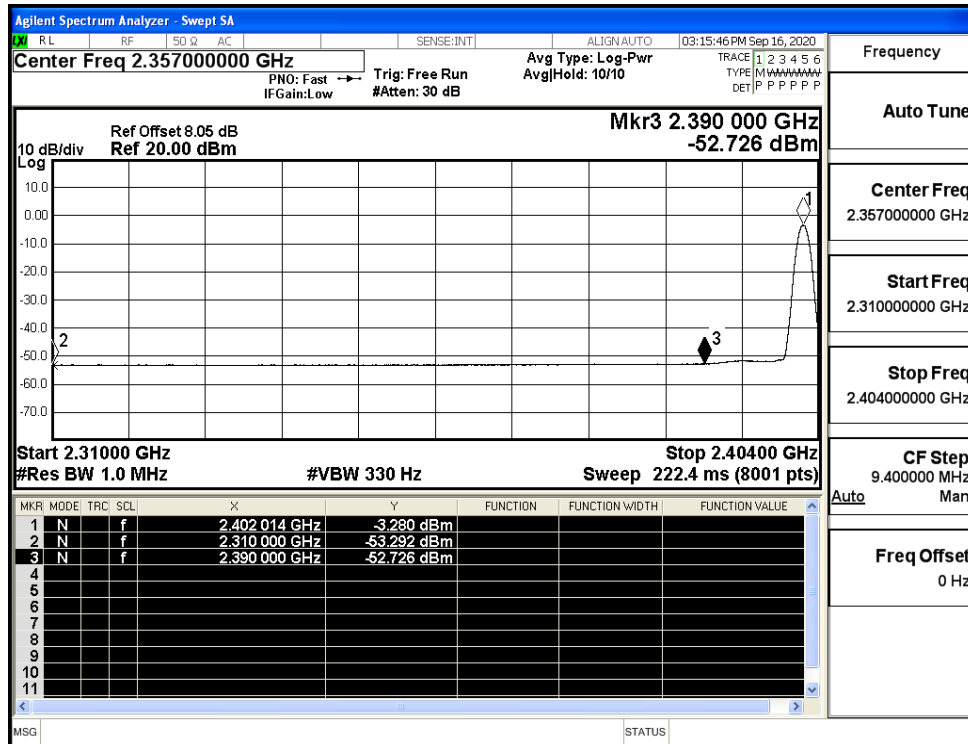
A.7 Restrict-band band-edge measurements

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	-43.47	2.0	0	51.79	PEAK	74	PASS
		Ant1	2310.0	-53.29	2.0	0	41.97	AV	54	PASS
		Ant1	2390.0	-42.42	2.0	0	52.84	PEAK	74	PASS
		Ant1	2390.0	-52.73	2.0	0	42.53	AV	54	PASS
	2480	Ant1	2483.5	-41.52	2.0	0	53.73	PEAK	74	PASS
		Ant1	2483.5	-51.98	2.0	0	43.27	AV	54	PASS
		Ant1	2500.0	-42.12	2.0	0	53.14	PEAK	74	PASS
		Ant1	2500.0	-52.27	2.0	0	42.99	AV	54	PASS

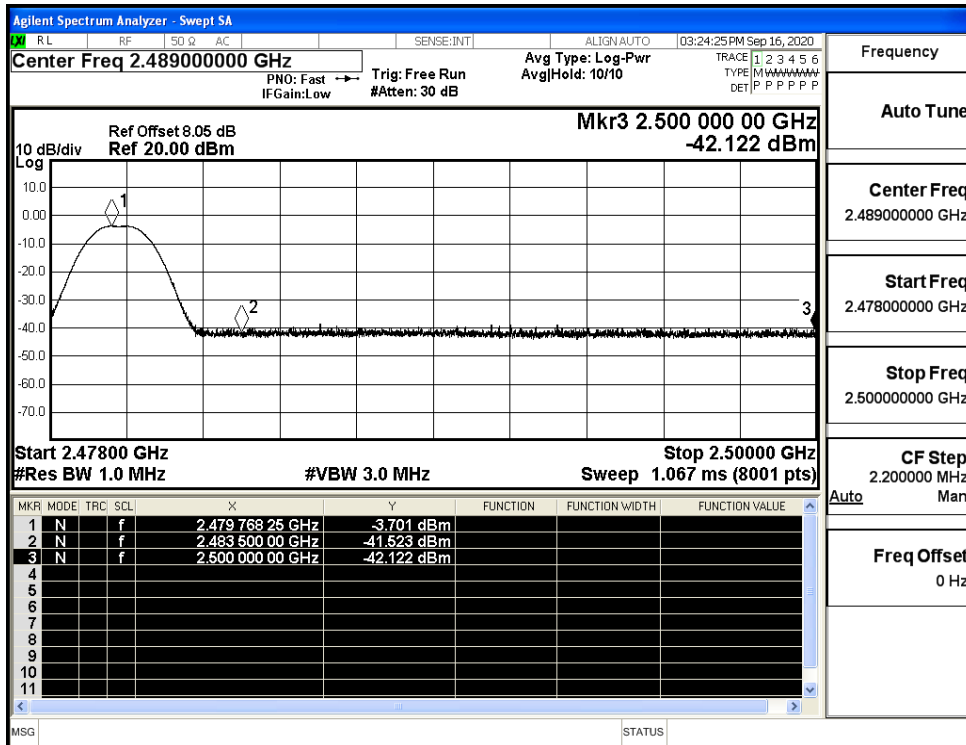
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

