

Appendix A

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

Product Name: Uogic keyboard

Trade Mark: N/A

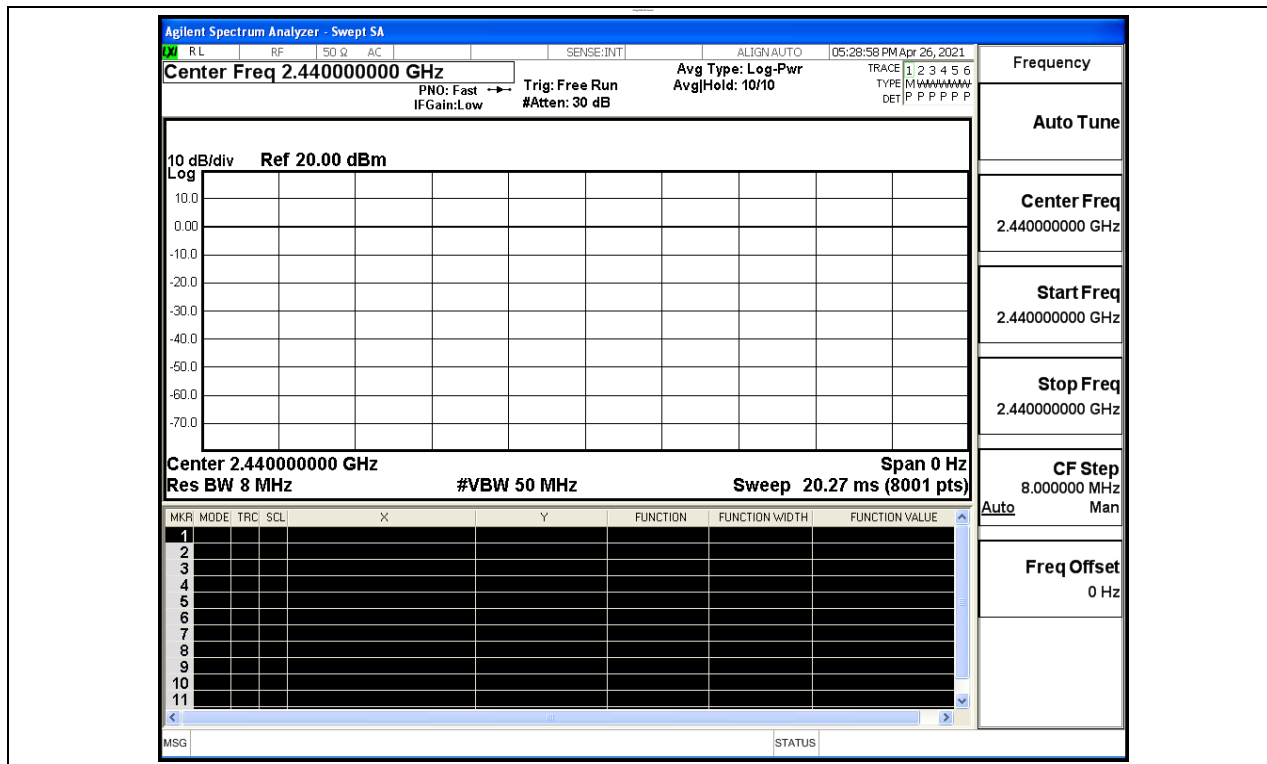
Test Model: UK01

Environmental Conditions

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

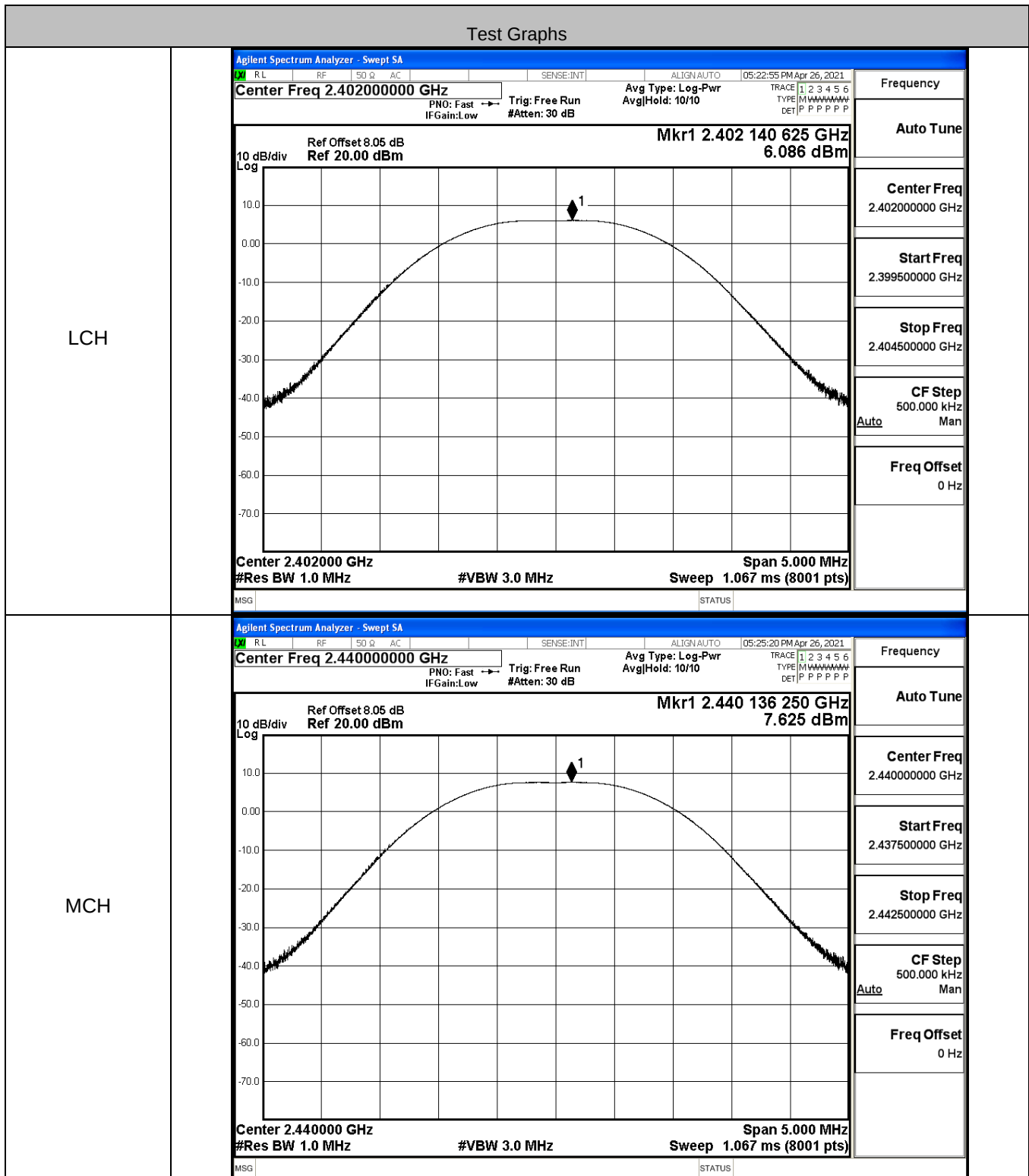
A.1 Duty Cycle

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

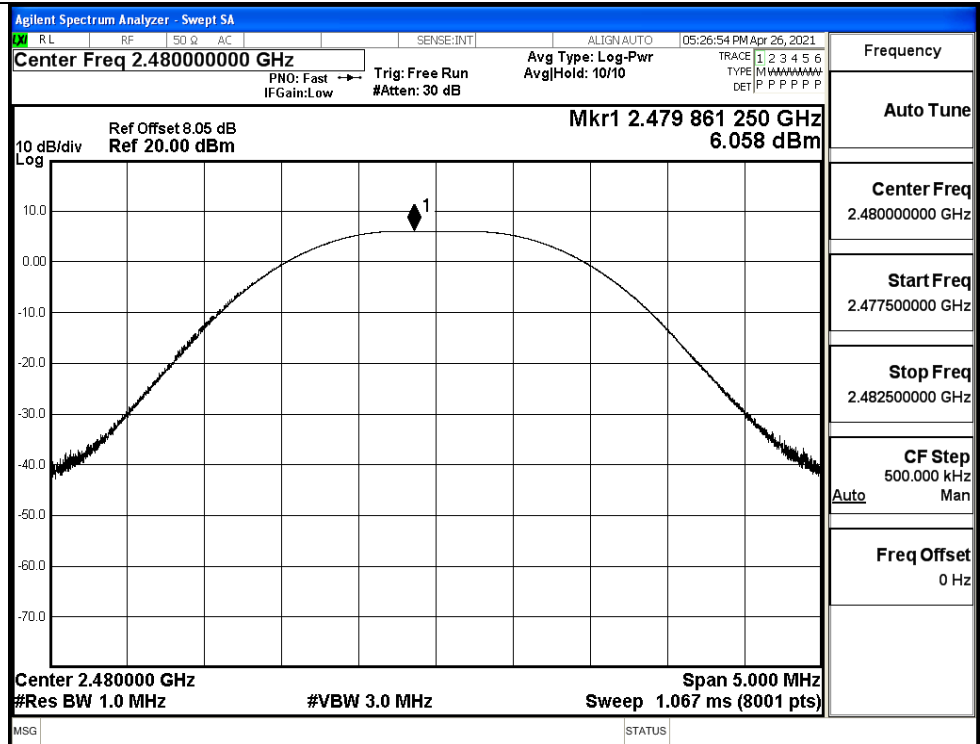


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	6.086	30	PASS
BT LE	MCH	7.625	30	PASS
BT LE	HCH	6.058	30	PASS



HCH

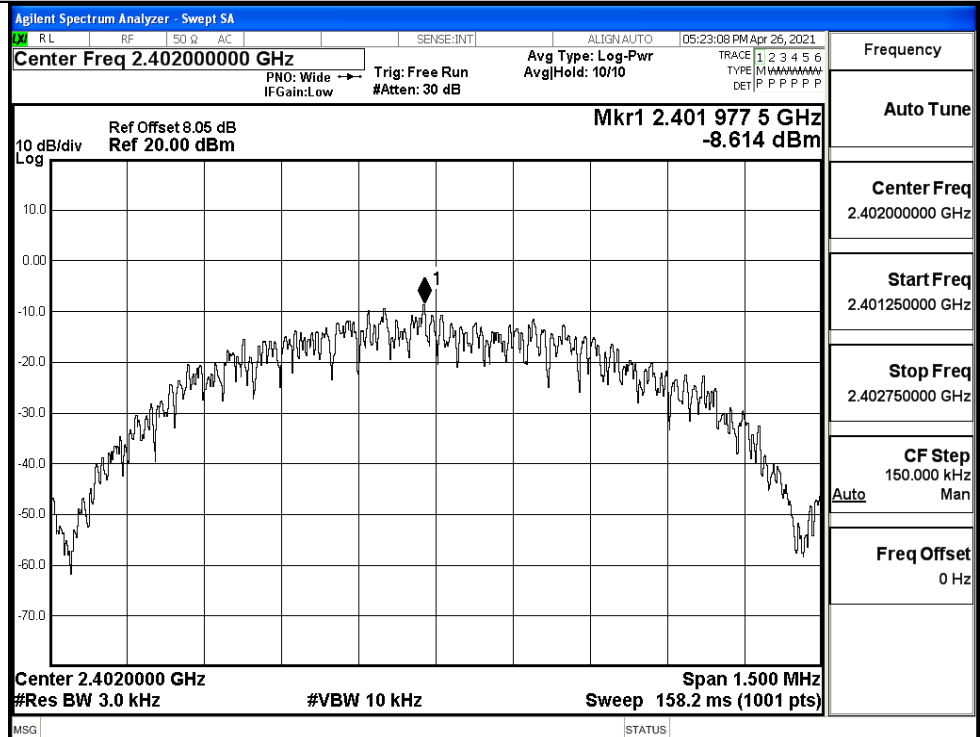


A.3 Maximum Power Spectral Density

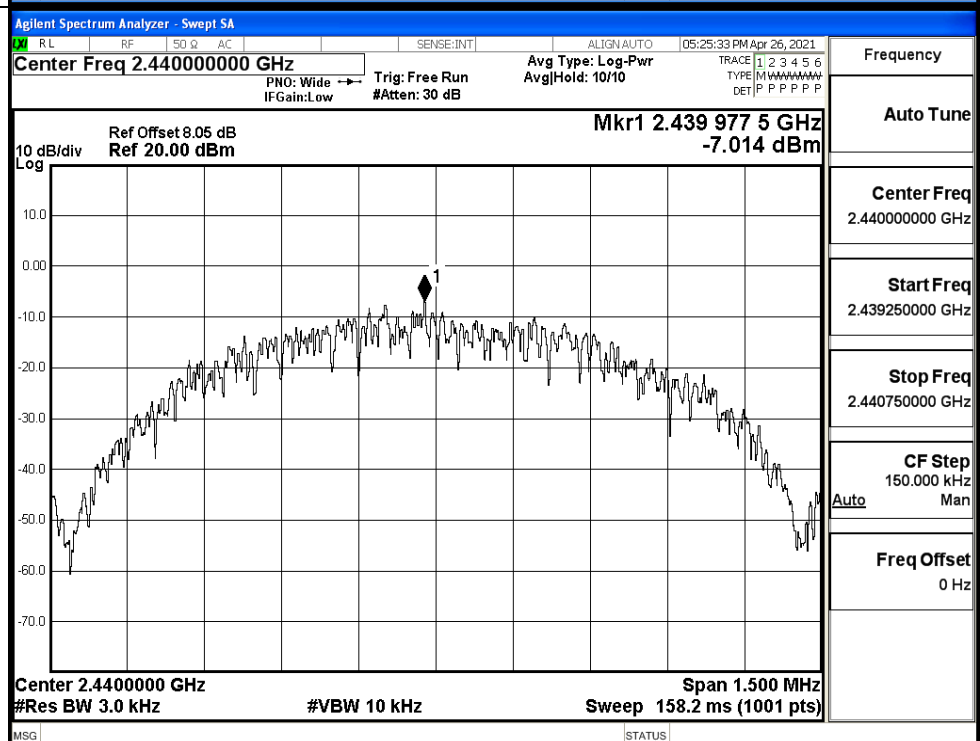
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-8.614	8	PASS
BT LE	MCH	-7.014	8	PASS
BT LE	HCH	-8.873	8	PASS

Test Graphs

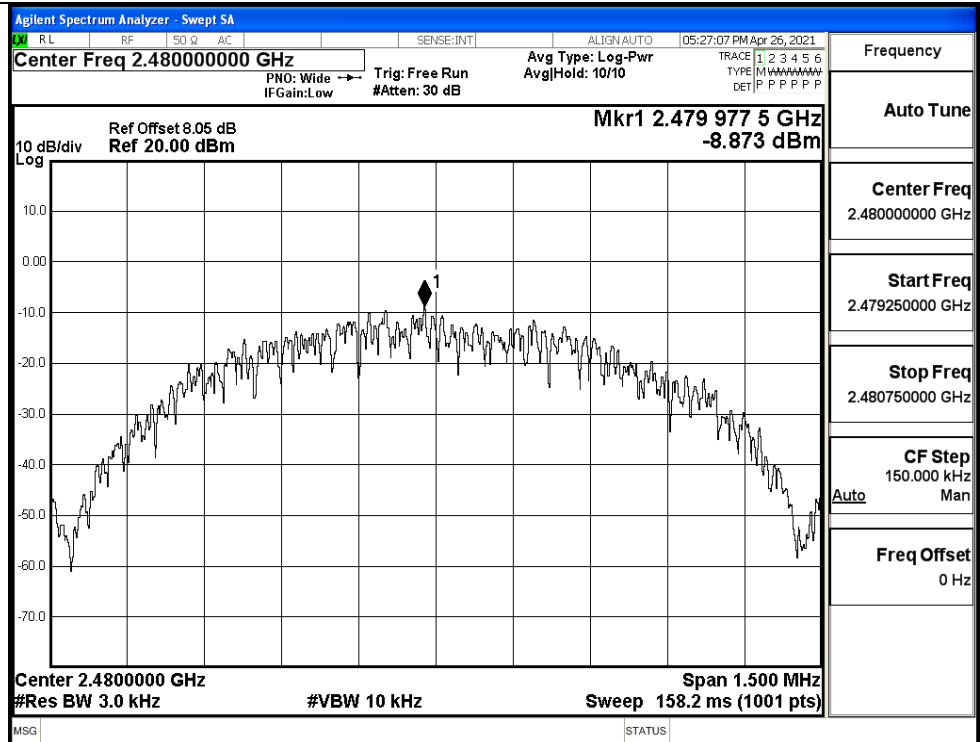
LCH



MCH



HCH

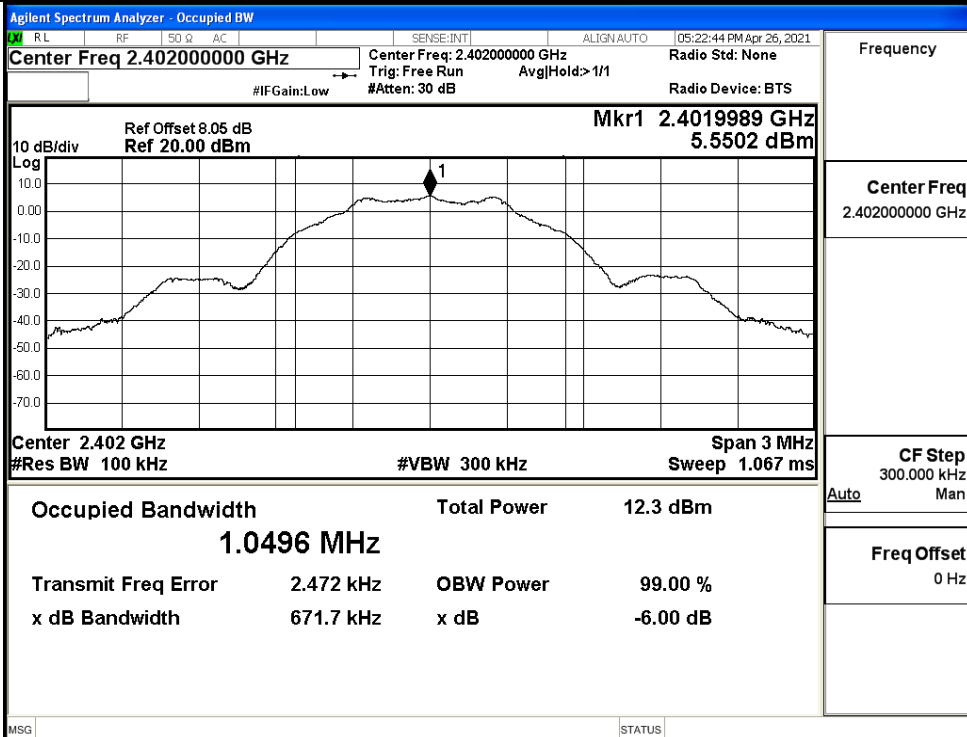


A.4 6dB Bandwidth

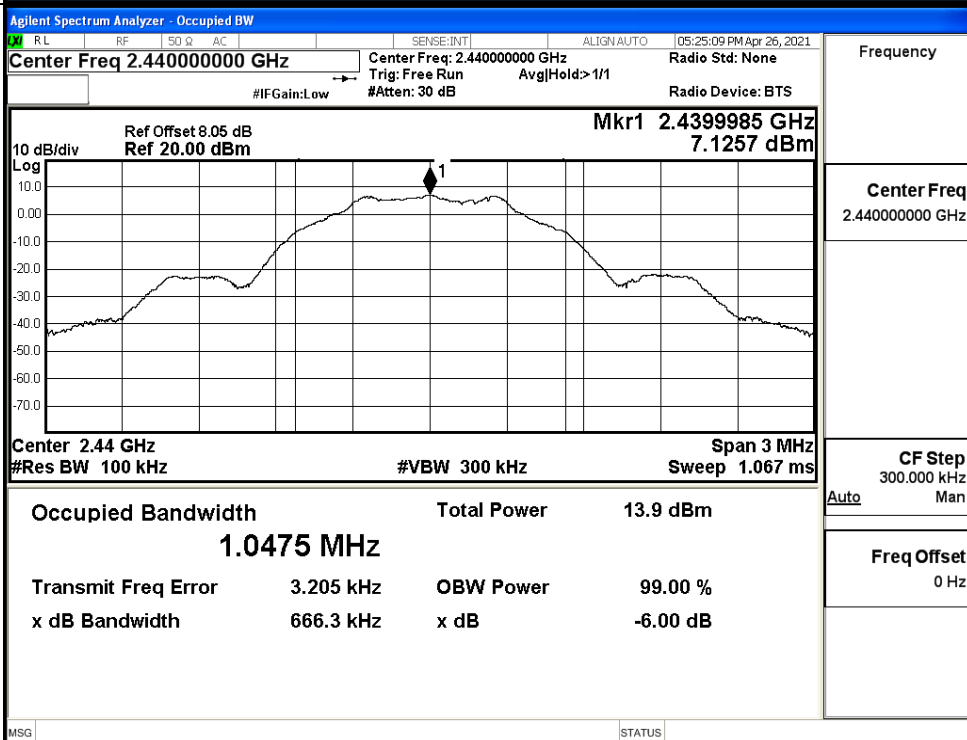
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6717	≥ 0.5	PASS
BT LE	MCH	0.6663	≥ 0.5	PASS
BT LE	HCH	0.6709	≥ 0.5	PASS

Test Graphs

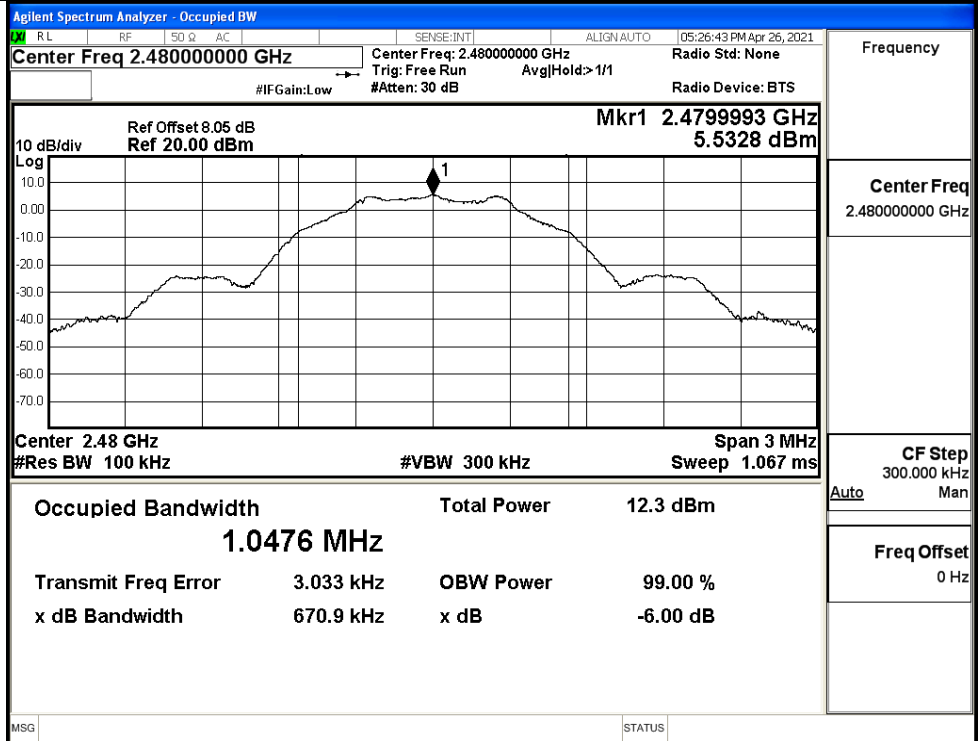
LCH



MCH



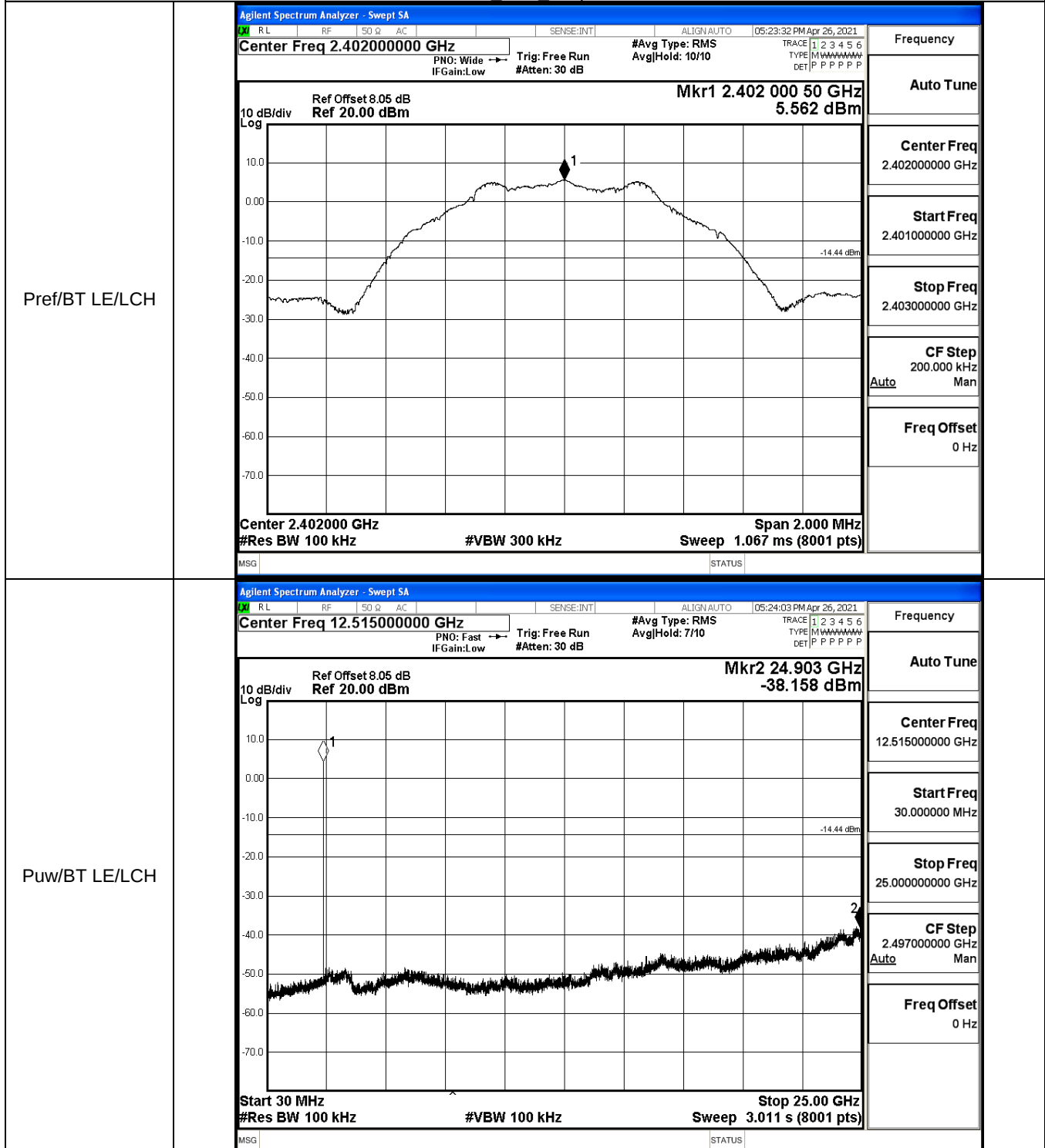
HCH



A.5 RF Conducted Spurious Emissions

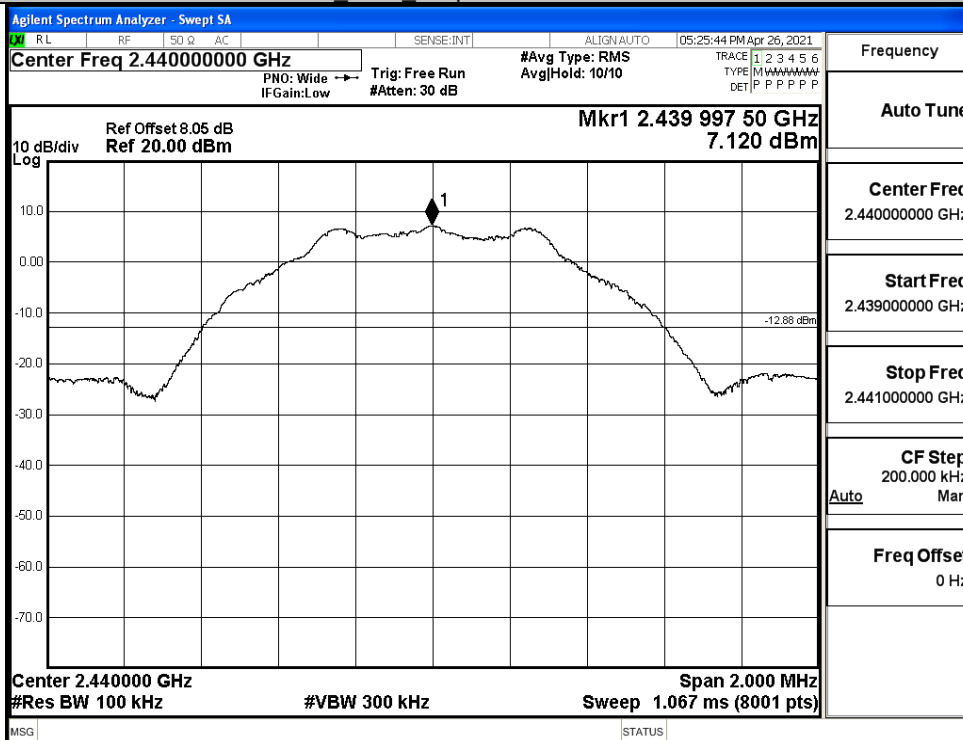
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	5.562	-38.158	-14.438	PASS
BT LE	MCH	7.12	-37.592	-12.880	PASS
BT LE	HCH	5.547	-36.903	-14.453	PASS

BT LE LCH Graphs

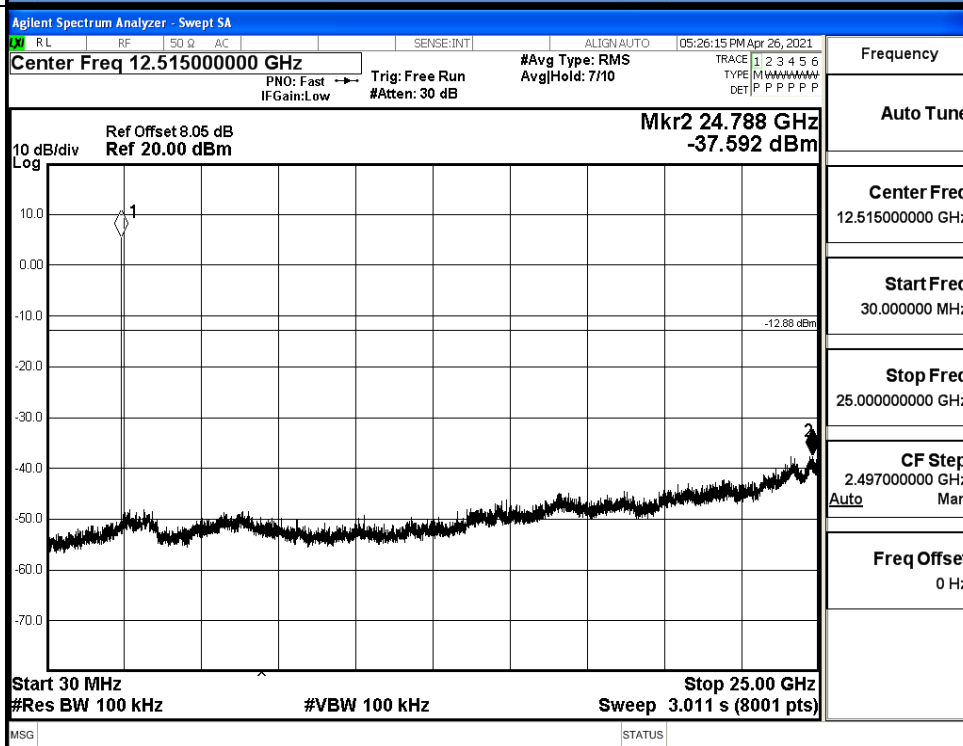


BT LE MCH Graphs

Pref/BT LE/MCH

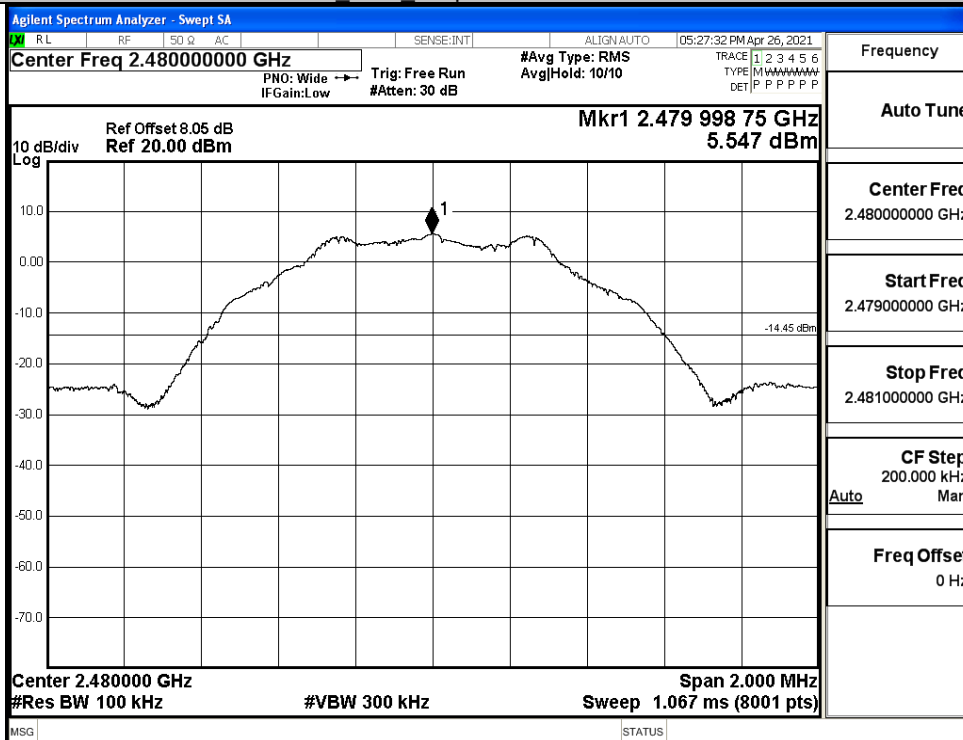


Puw/BT LE/MCH

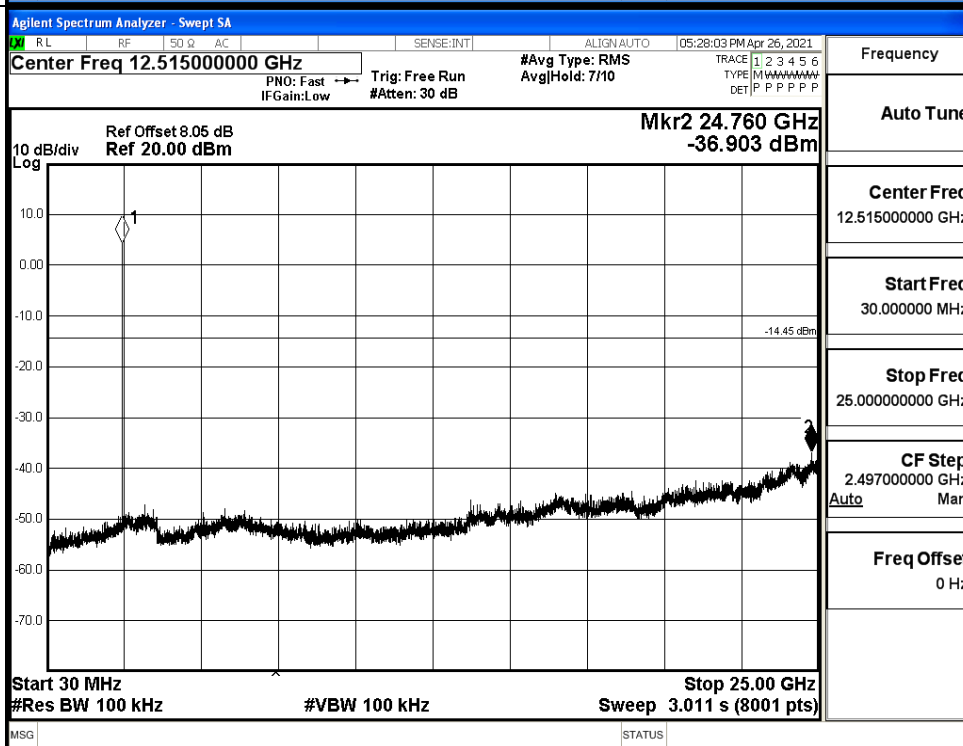


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

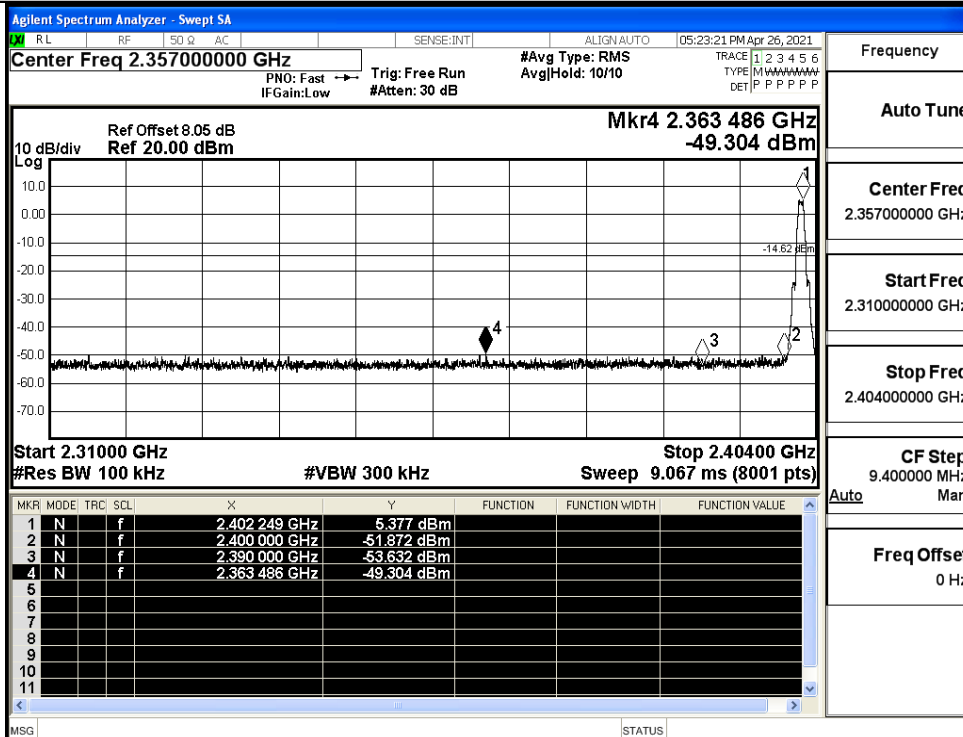


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	5.377	-49.304	-14.62	PASS
BT LE	HCH	5.412	-49.438	-14.59	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq
2.357000000 GHz

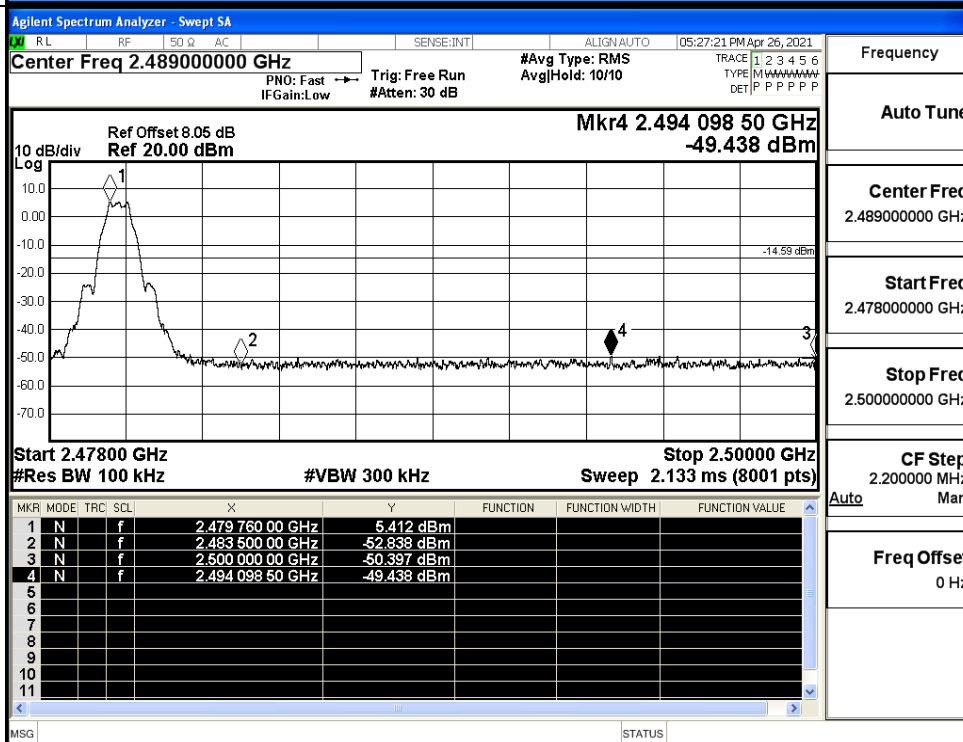
Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz

Freq Offset
0 Hz

HCH



Frequency

Auto Tune

Center Freq
2.489000000 GHz

Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

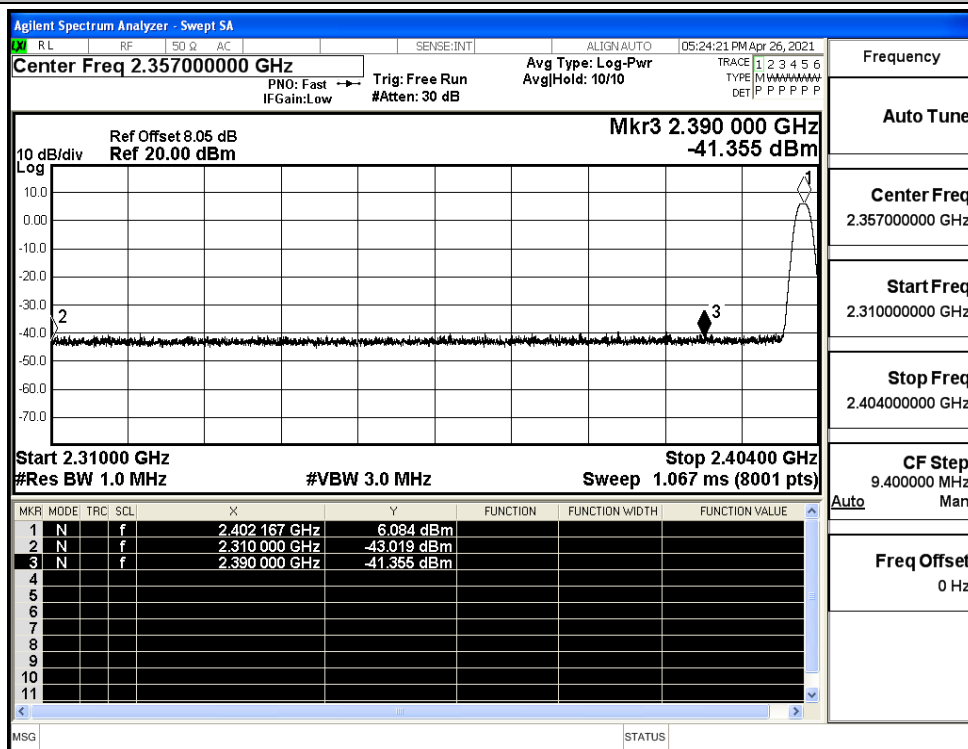
CF Step
2.200000 MHz

Freq Offset
0 Hz

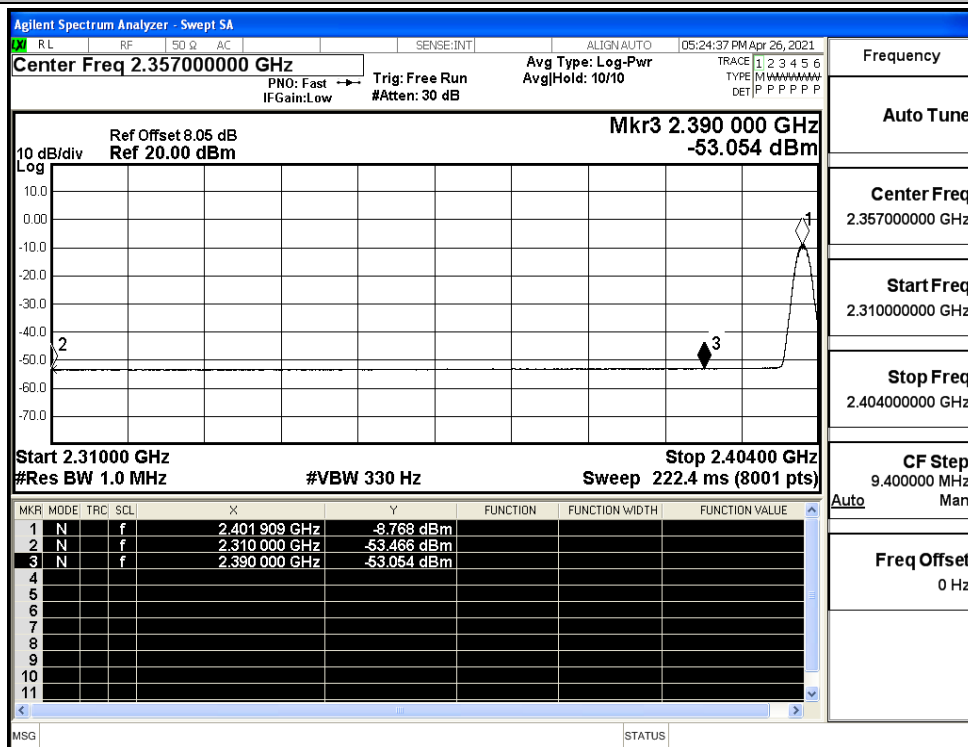
A.7 Restrict-band band-edge measurements

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	-43.02	2.0	0	54.24	PEAK	74	PASS
		Ant1	2310.0	-53.47	2.0	0	43.79	AV	54	PASS
		Ant1	2390.0	-41.36	2.0	0	55.9	PEAK	74	PASS
		Ant1	2390.0	-53.05	2.0	0	44.21	AV	54	PASS
	2480	Ant1	2483.5	-41.98	2.0	0	55.28	PEAK	74	PASS
		Ant1	2483.5	-52.37	2.0	0	44.89	AV	54	PASS
		Ant1	2500.0	-41.47	2.0	0	55.79	PEAK	74	PASS
		Ant1	2500.0	-52.34	2.0	0	44.92	AV	54	PASS

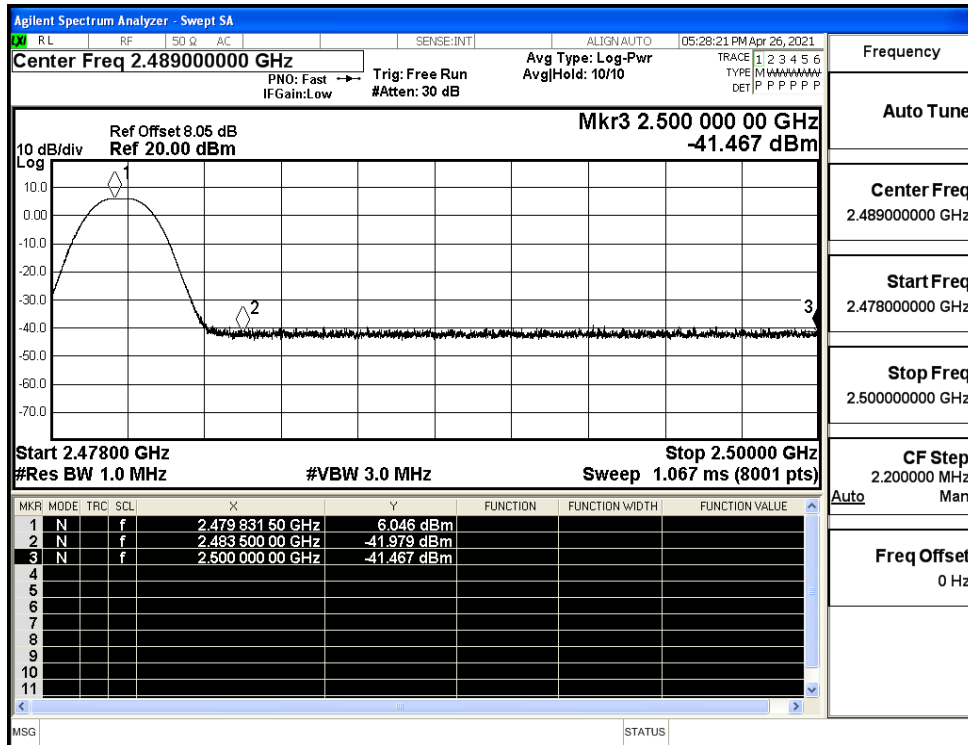
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

