

Appendix A

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

Product Name: GamePad For Mobile Phone

Trade Mark: N/A

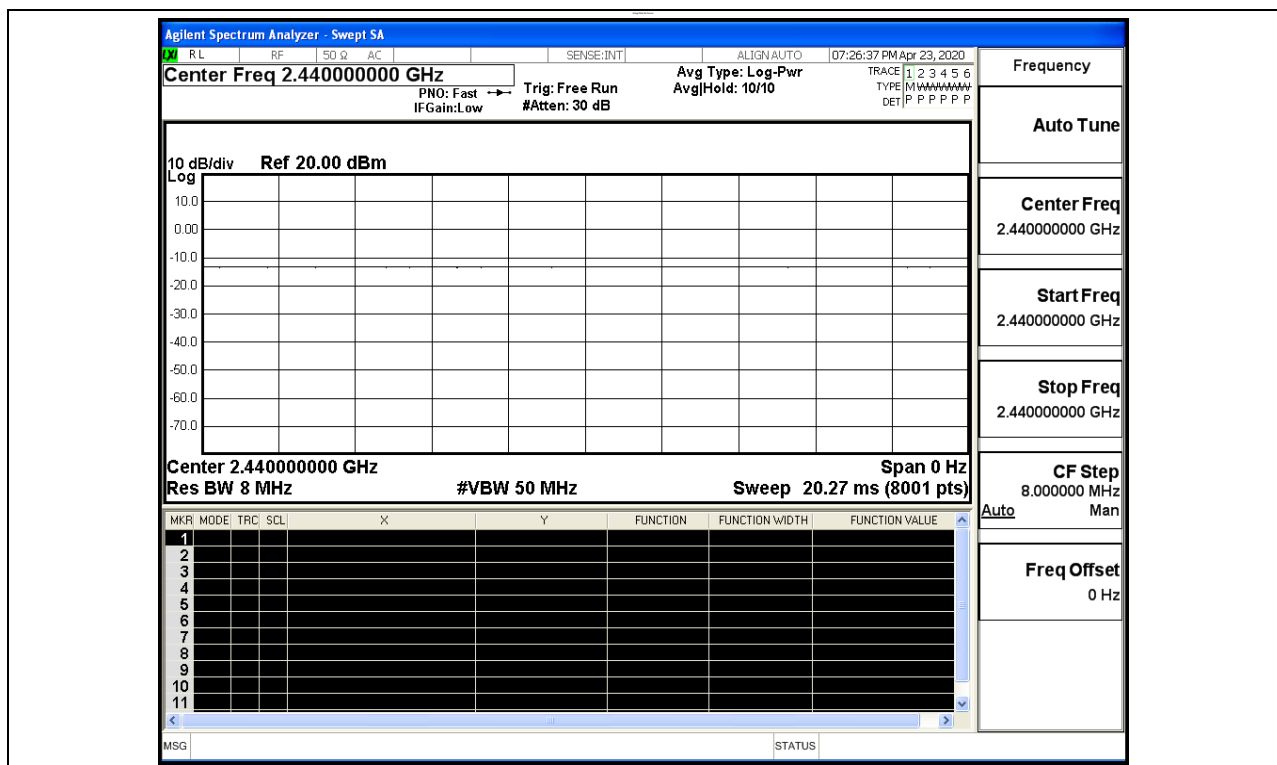
Test Model: PXN-P30S

Environmental Conditions

Temperature:	24.3 ° C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	David Luo
Supervised by:	Li Huan

A.1 Duty Cycle

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

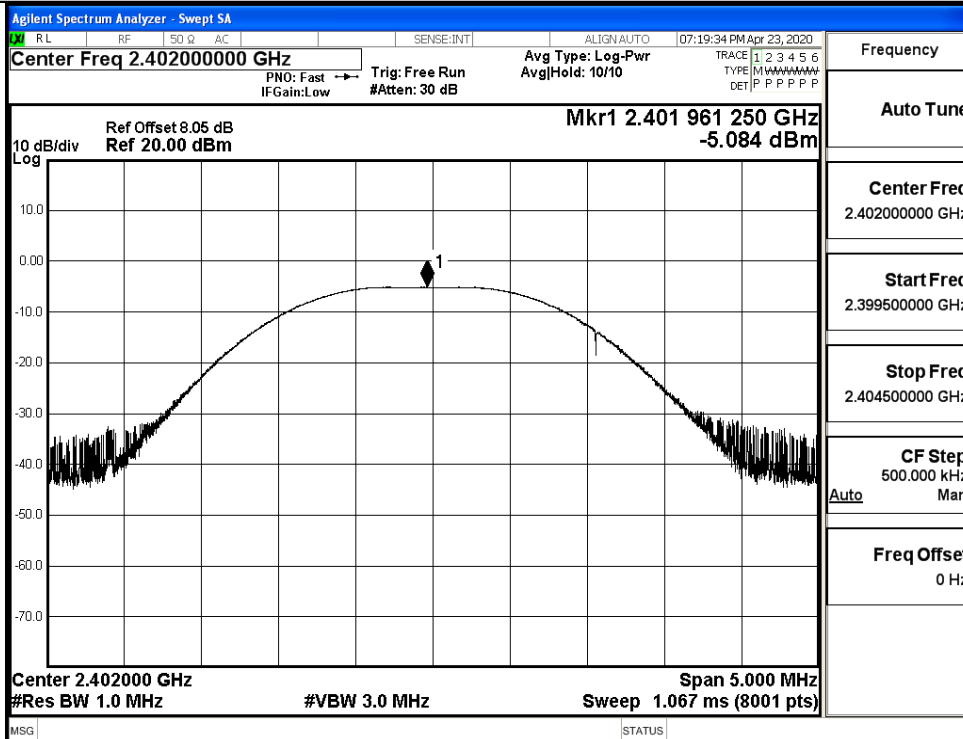


A.2 Maximum Conducted Peak Output Power

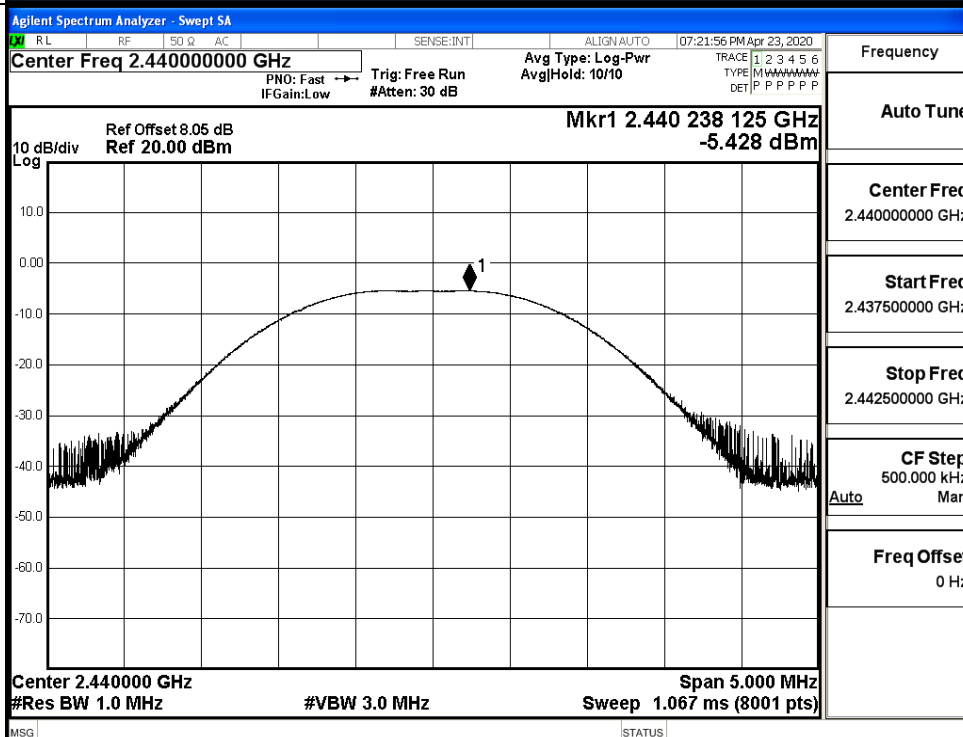
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-5.084	30	PASS
BT LE	MCH	-5.428	30	PASS
BT LE	HCH	-4.792	30	PASS

Test Graphs

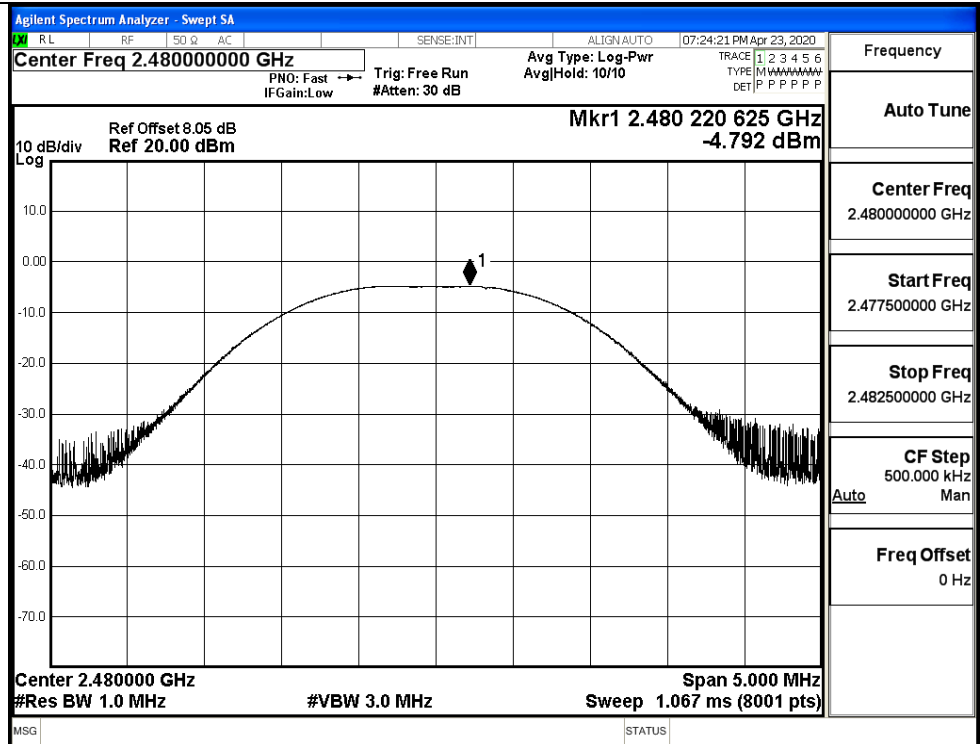
LCH



MCH



HCH

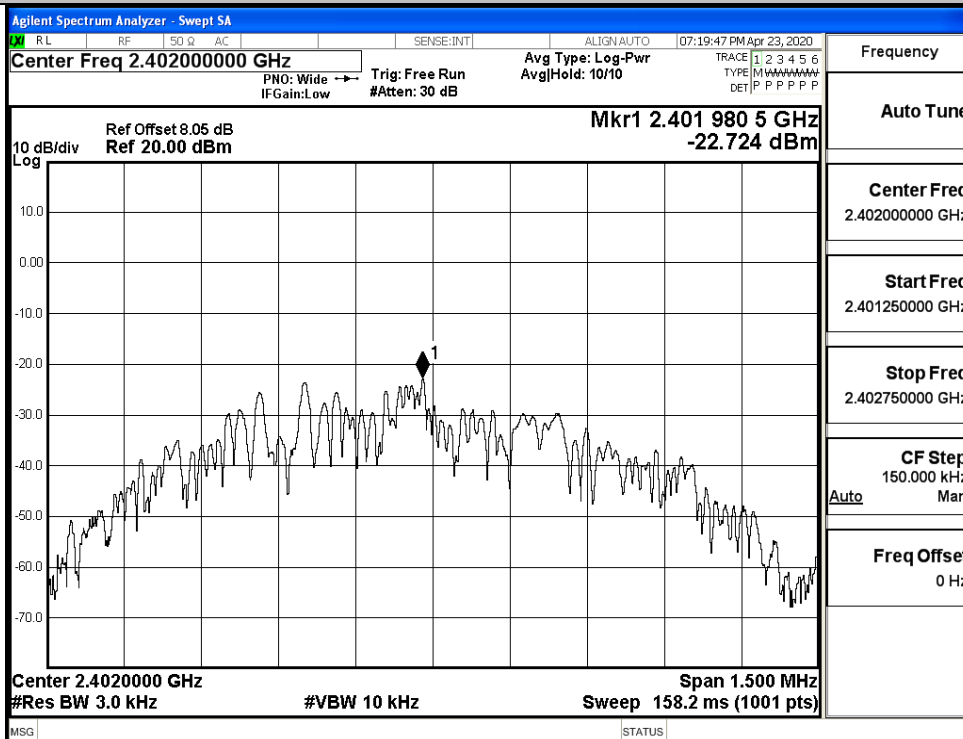


A.3 Maximum Power Spectral Density

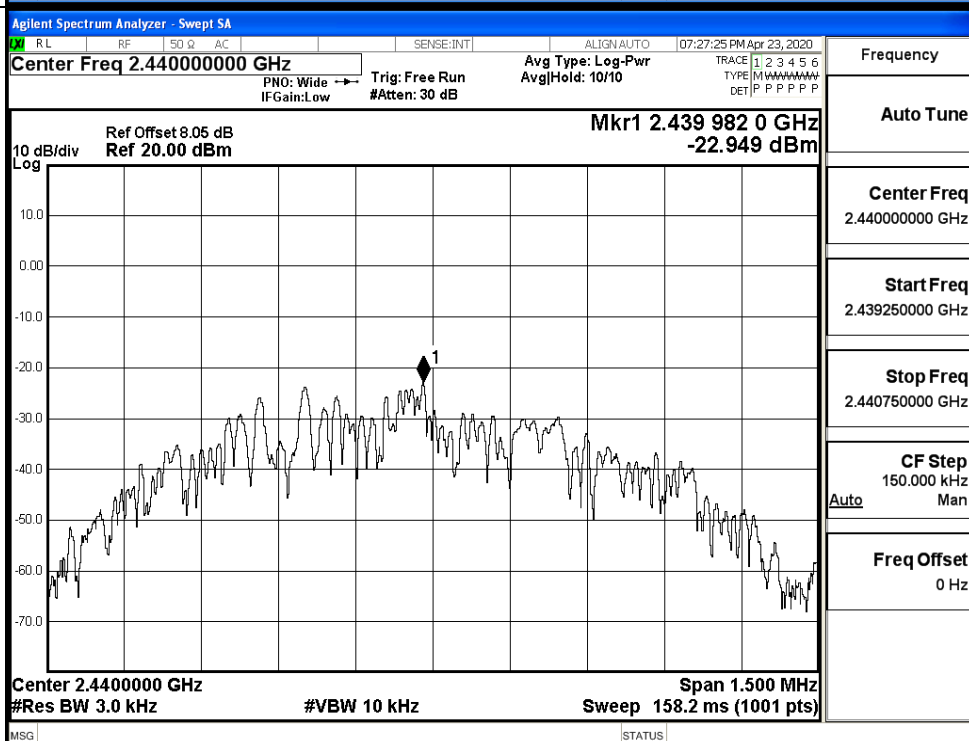
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-22.724	8	PASS
BT LE	MCH	-22.949	8	PASS
BT LE	HCH	-22.430	8	PASS

Test Graphs

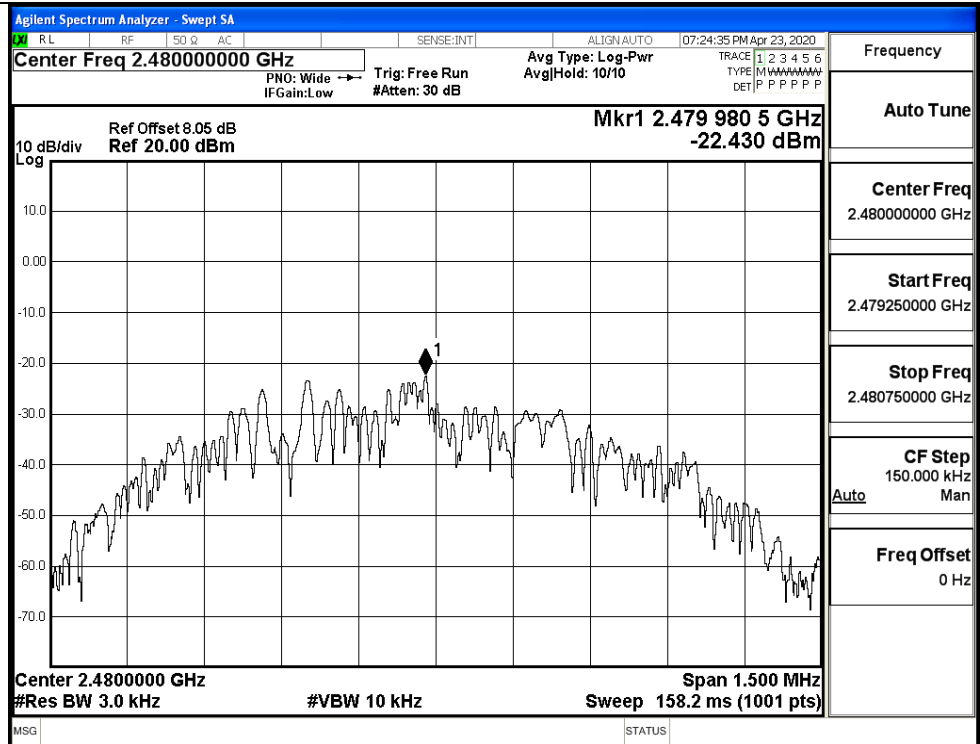
LCH



MCH



HCH

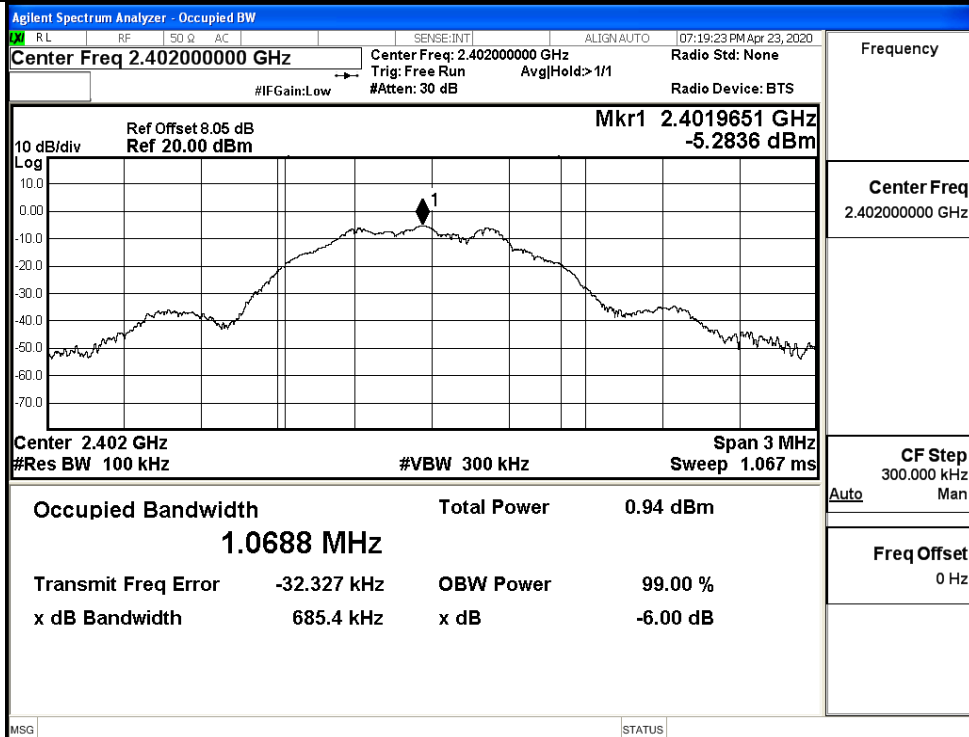


A.4 6dB Bandwidth

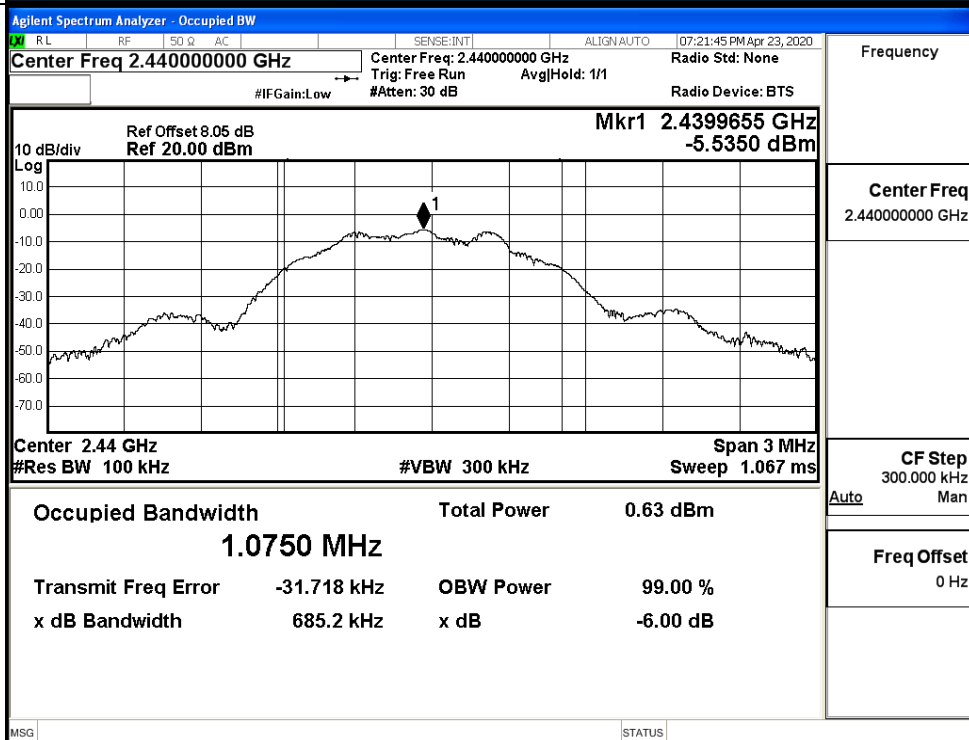
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6854	≥ 0.5	PASS
BT LE	MCH	0.6852	≥ 0.5	PASS
BT LE	HCH	0.6839	≥ 0.5	PASS

Test Graphs

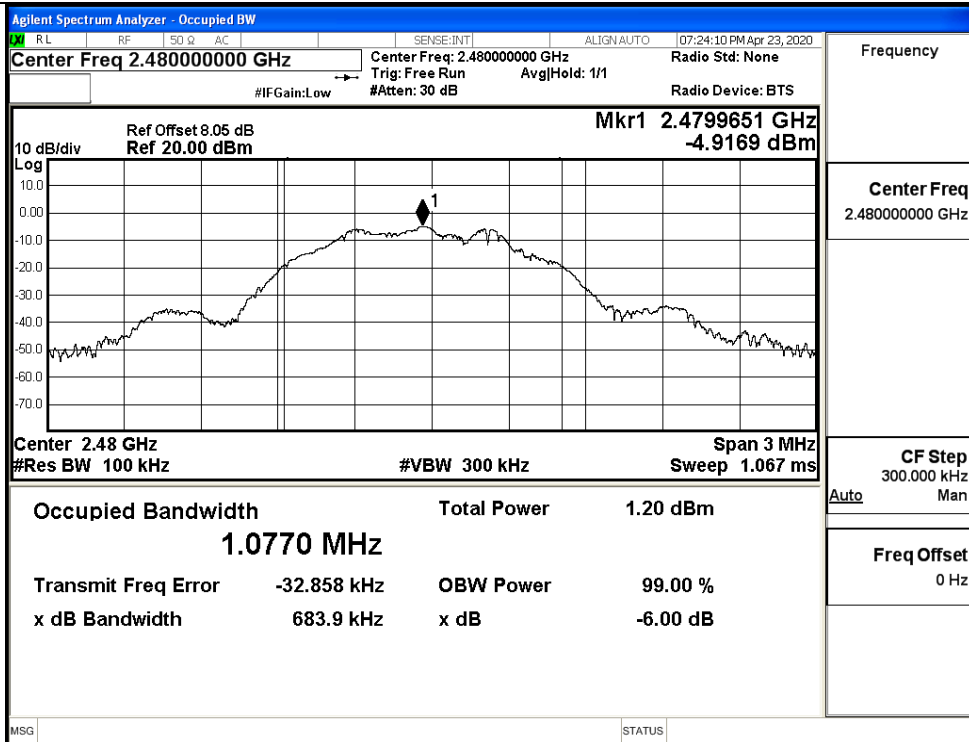
LCH



MCH



HCH

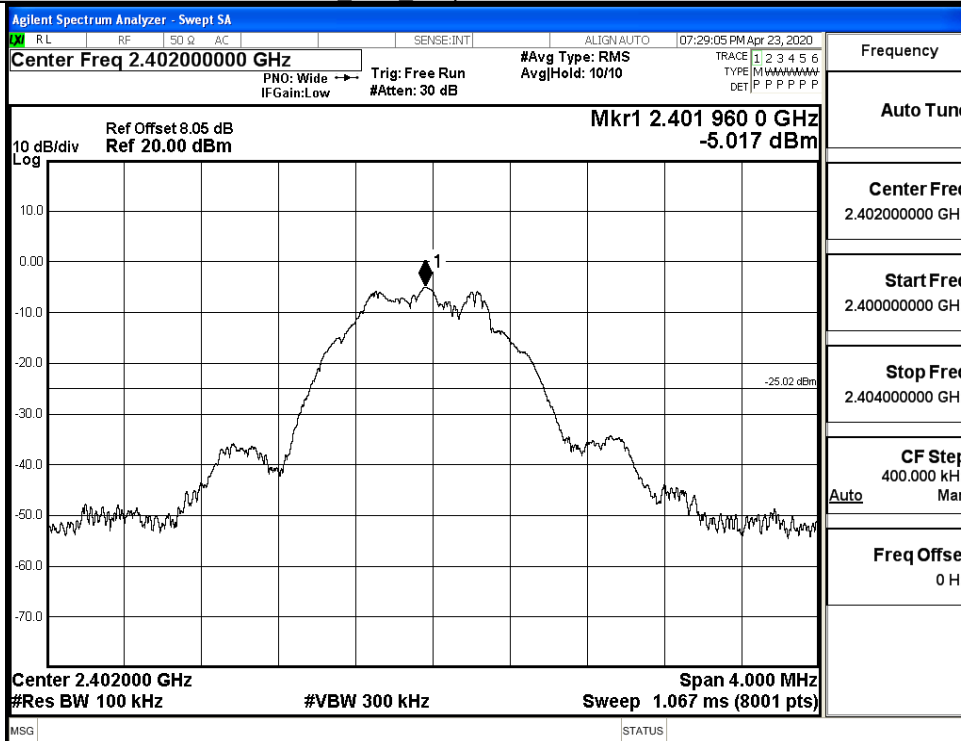


A.5 RF Conducted Spurious Emissions

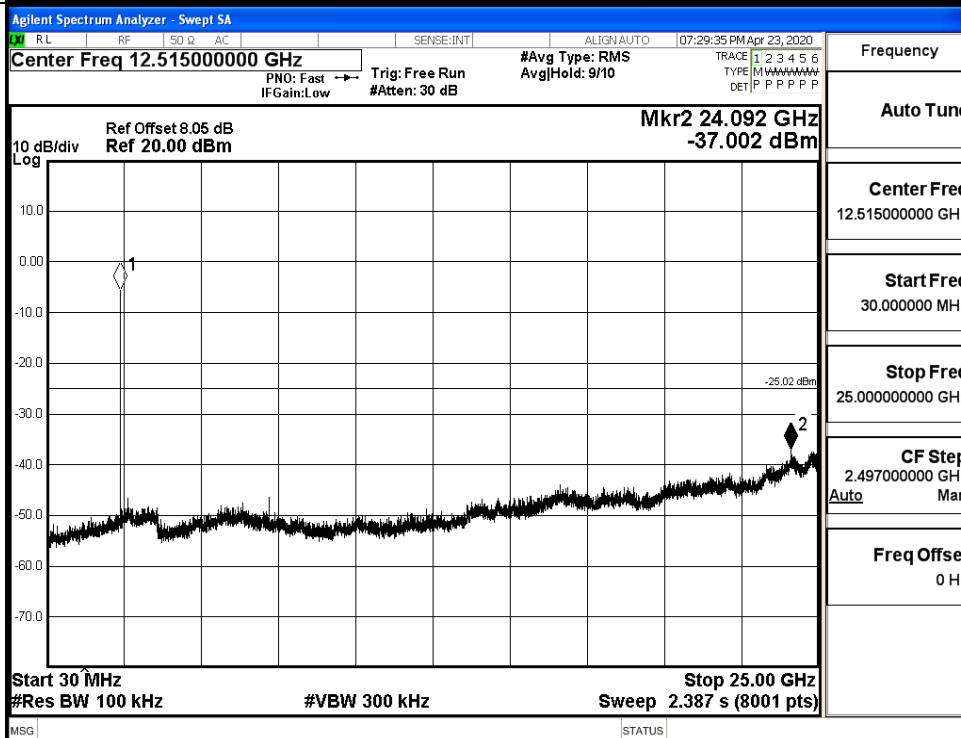
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-5.017	-37.002	-25.017	PASS
BT LE	MCH	-5.51	-37.291	-25.510	PASS
BT LE	HCH	-4.929	-36.536	-24.929	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

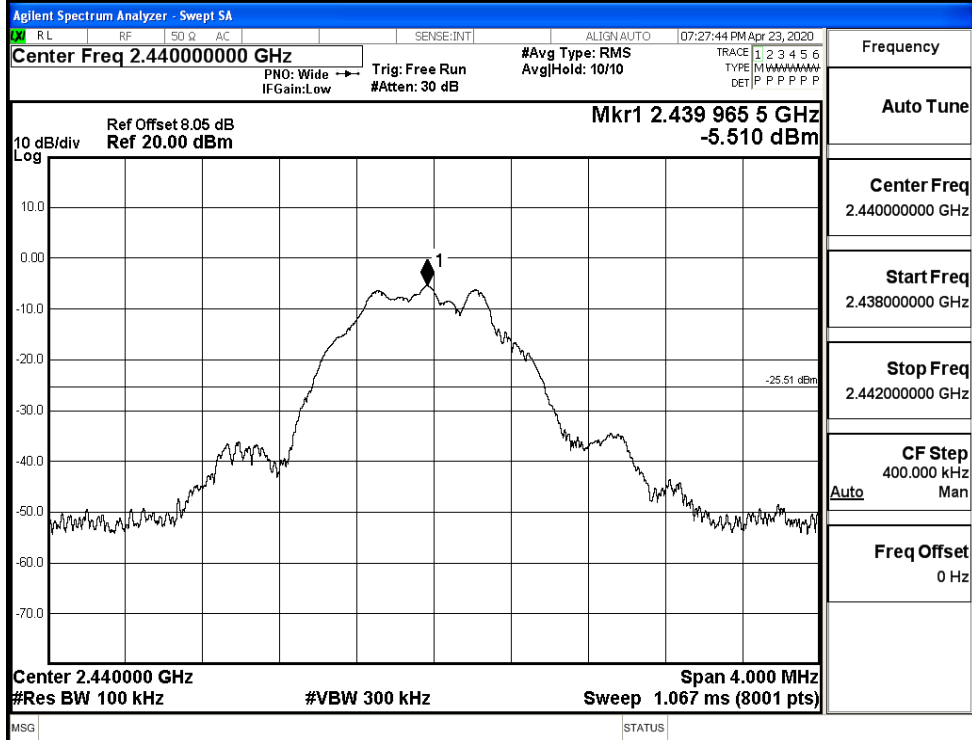


Puw/BT LE/LCH

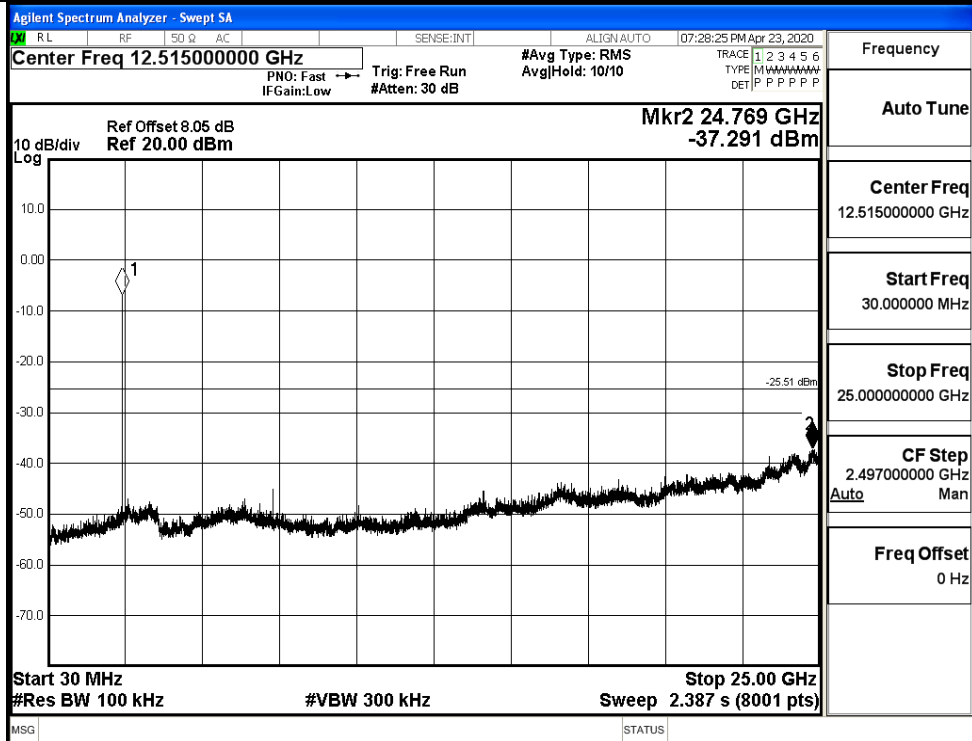


BT LE MCH Graphs

Pref/BT LE/MCH

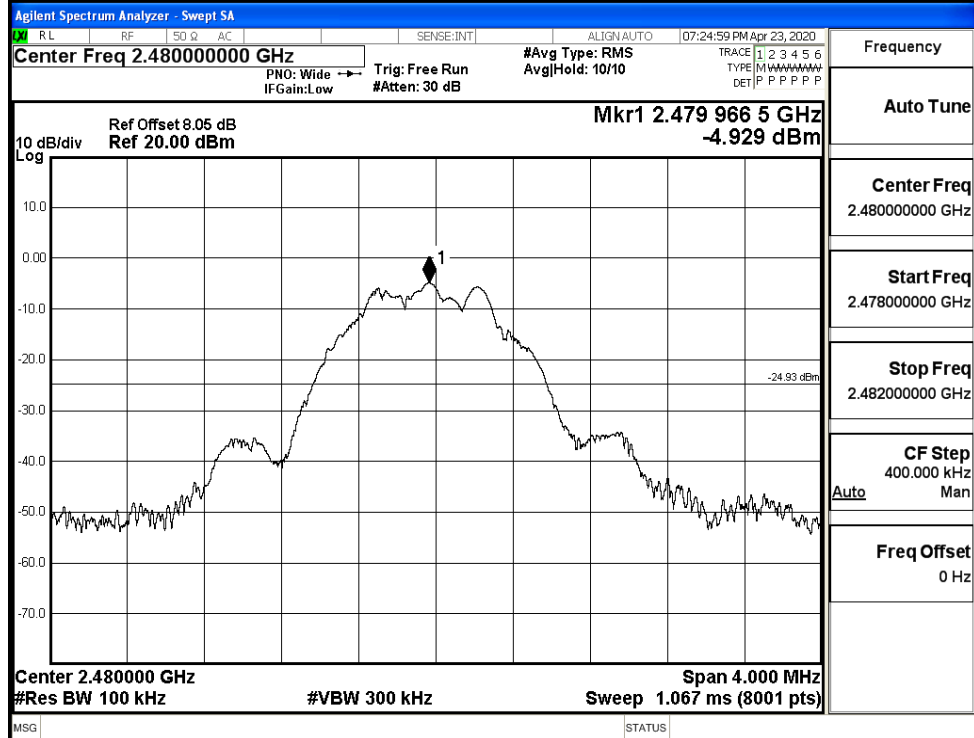


Puw/BT LE/MCH

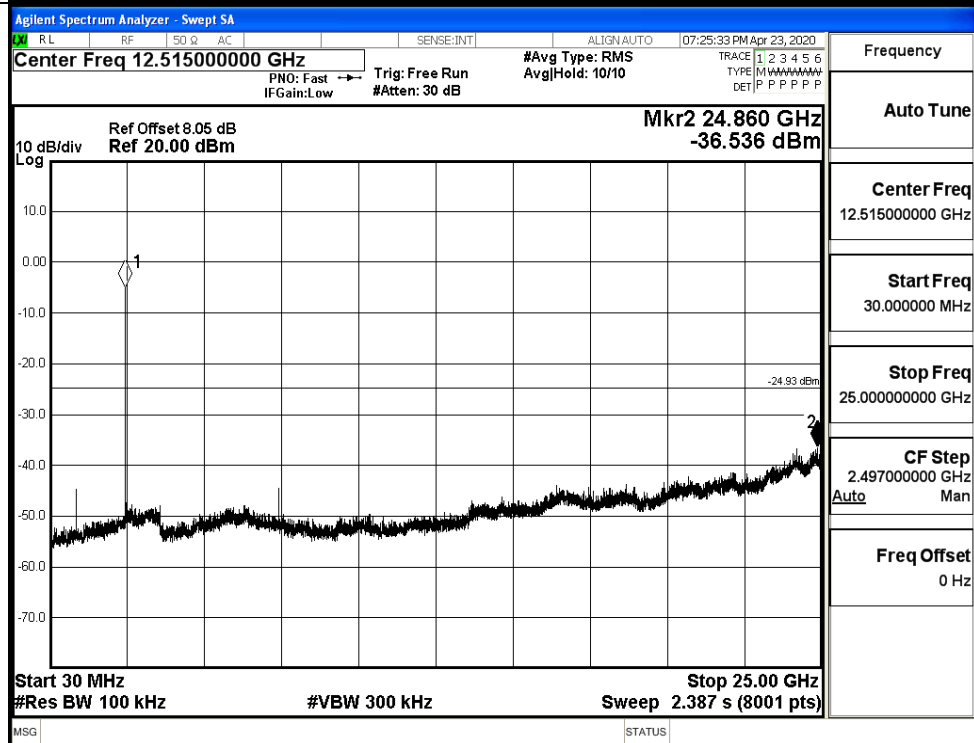


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

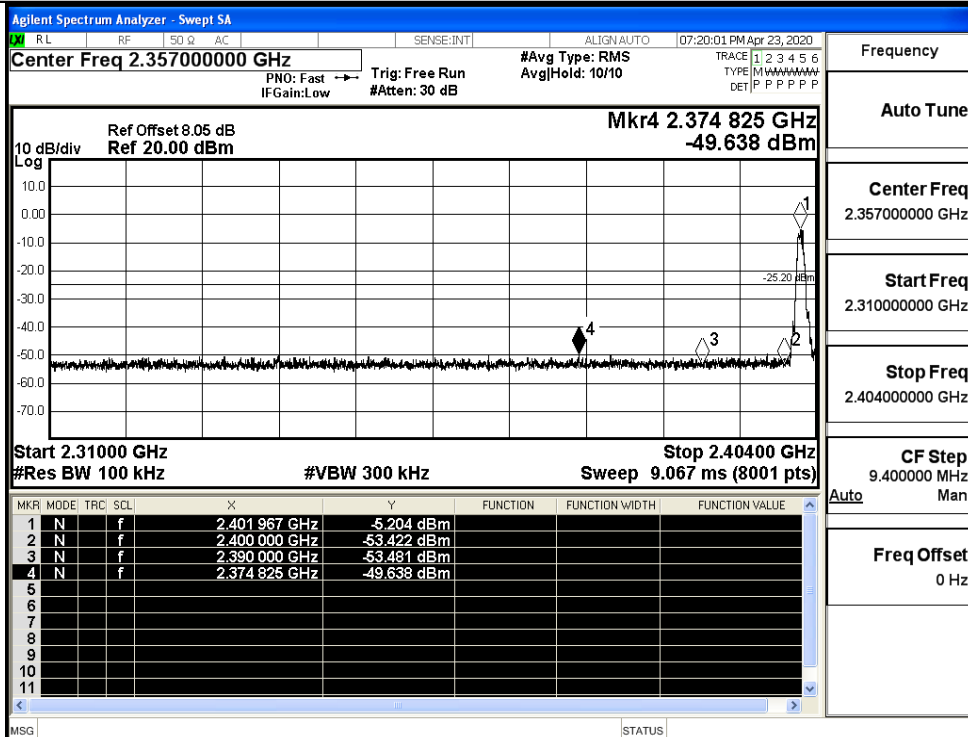


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-5.204	-49.638	-25.2	PASS
BT LE	HCH	-4.818	-49.093	-24.82	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

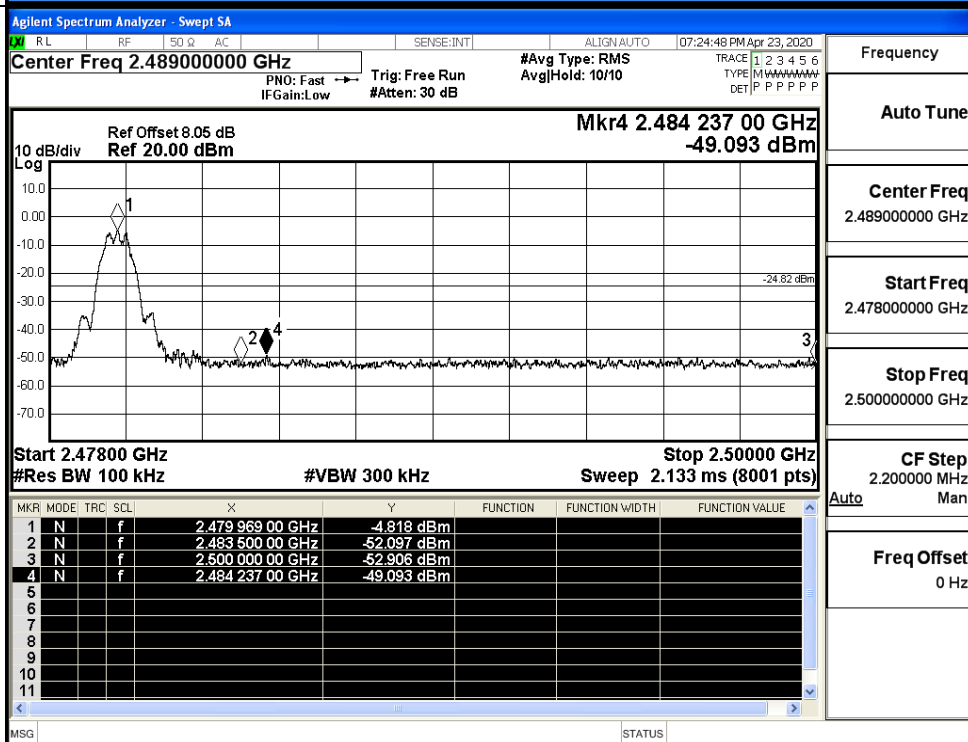
9.400000 MHz

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

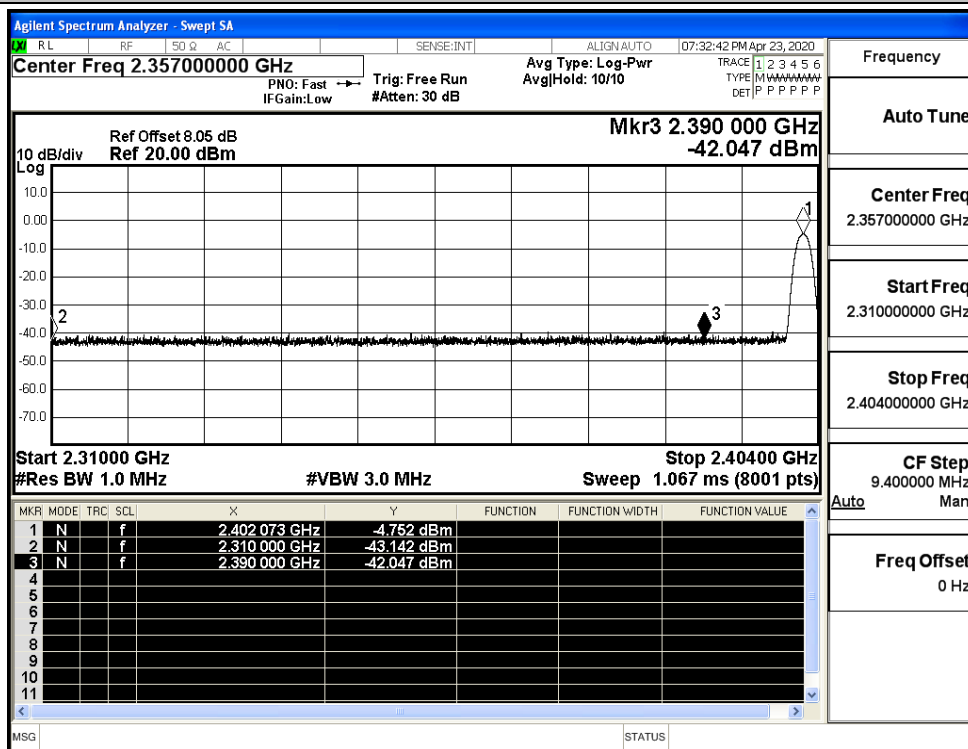
Freq Offset

0 Hz

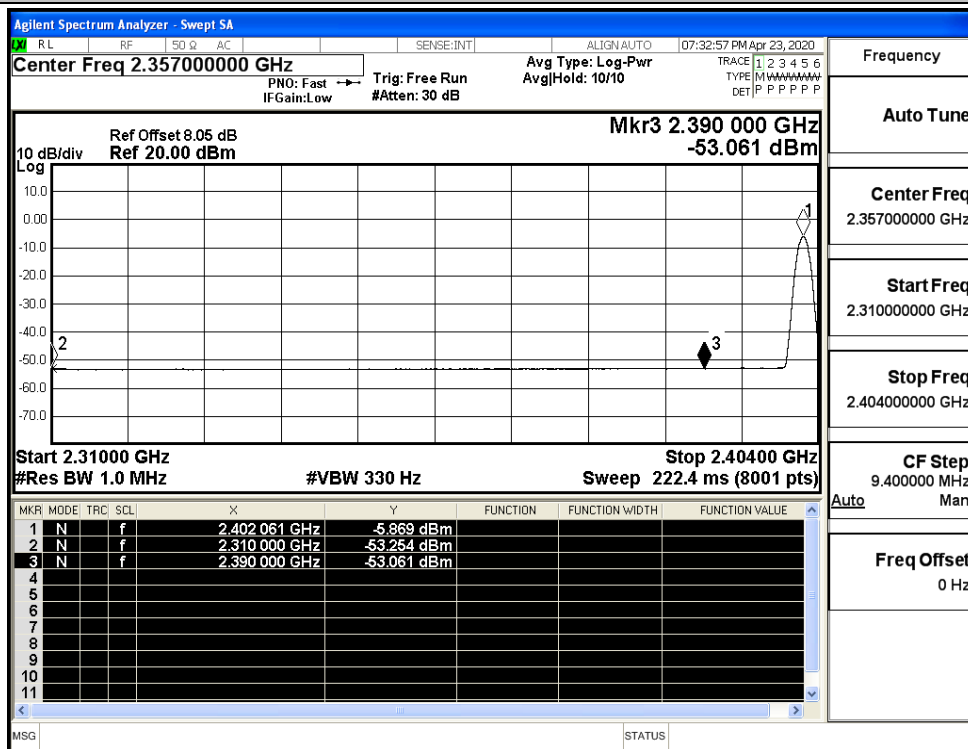
A.7 Restrict-band band-edge measurements

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	-43.14	2.0	0	54.12	PEAK	74	PASS
		Ant1	2310.0	-53.25	2.0	0	44.01	AV	54	PASS
		Ant1	2390.0	-42.05	2.0	0	55.21	PEAK	74	PASS
		Ant1	2390.0	-53.06	2.0	0	44.2	AV	54	PASS
	2480	Ant1	2483.5	-42.57	2.0	0	54.69	PEAK	74	PASS
		Ant1	2483.5	-52.52	2.0	0	44.74	AV	54	PASS
		Ant1	2500.0	-42.73	2.0	0	54.53	PEAK	74	PASS
		Ant1	2500.0	-52.30	2.0	0	44.96	AV	54	PASS

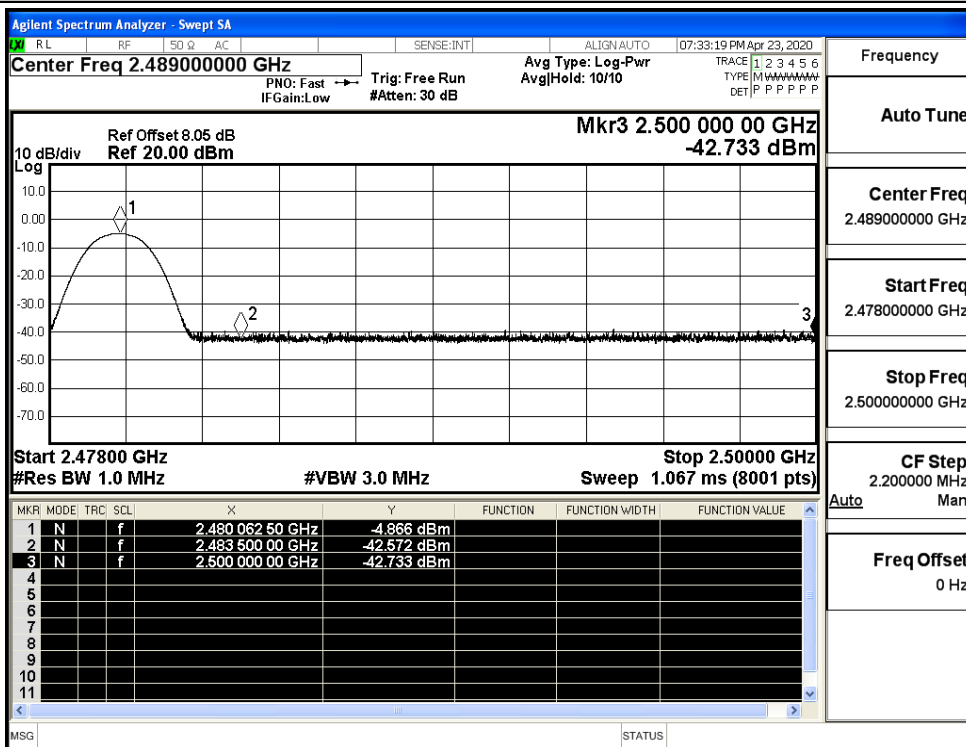
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

