

Appendix A

RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)

Product Name: LOVENSE Mission

Trade Mark: LOVENSE

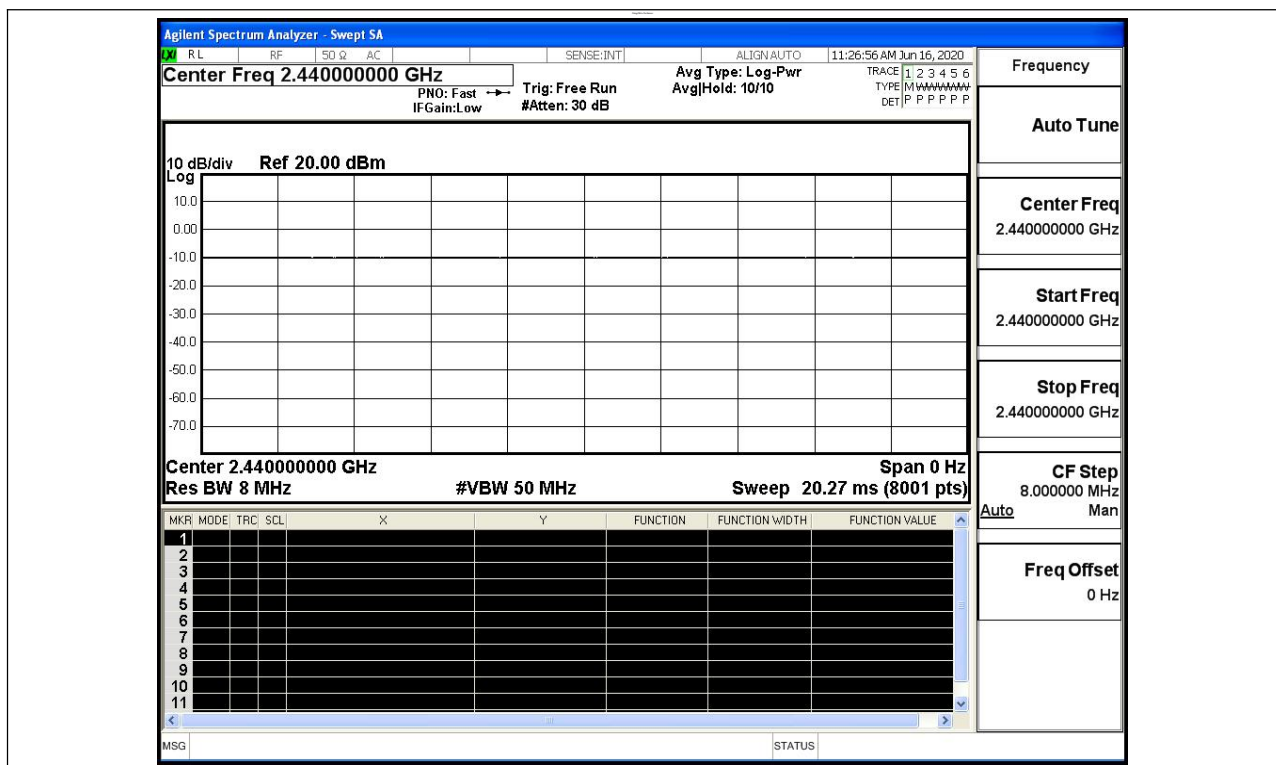
Test Model: Mission

Environmental Conditions

Temperature:	24.1 ° C
Relative Humidity:	53.4%
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

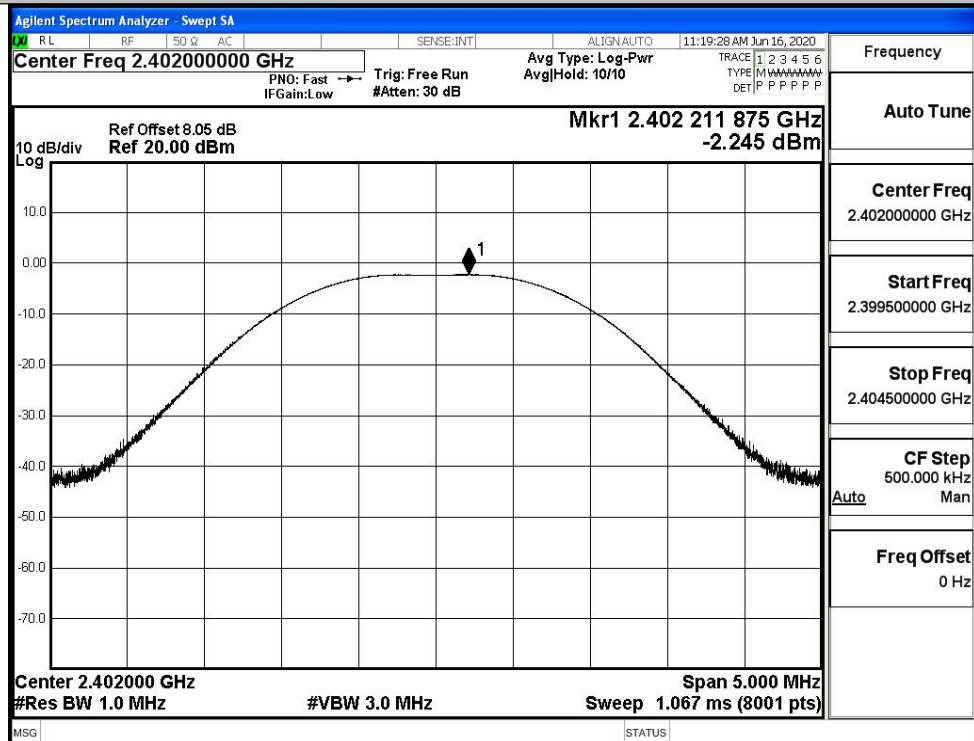


A.2 Maximum Conducted Peak Output Power

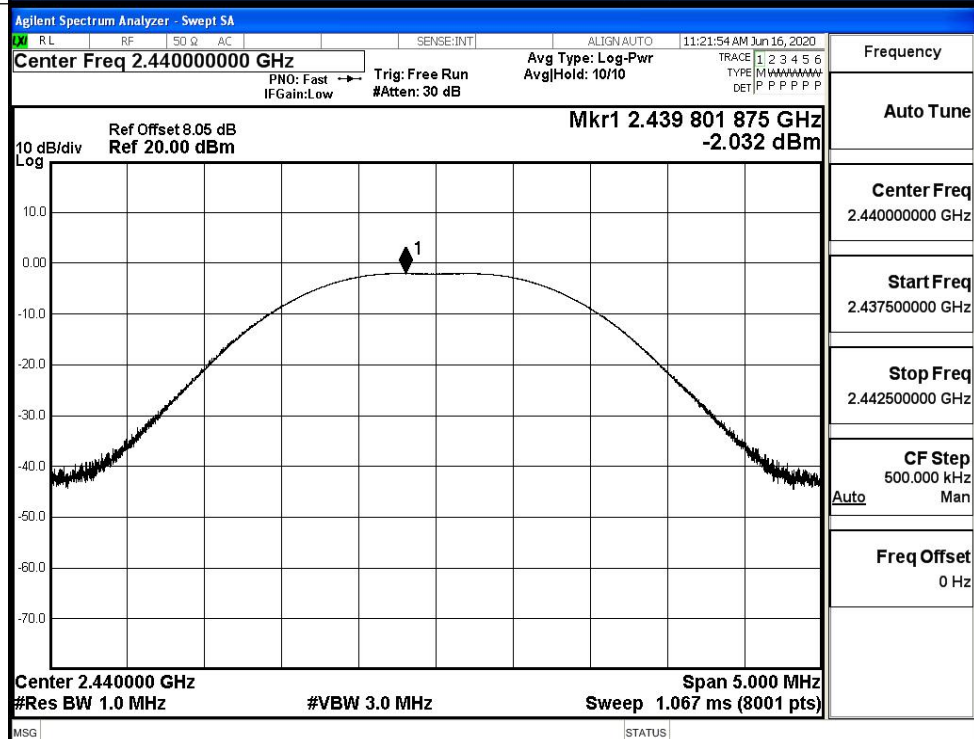
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.245	30	PASS
BT LE	MCH	-2.032	30	PASS
BT LE	HCH	-2.225	30	PASS

Test Graphs

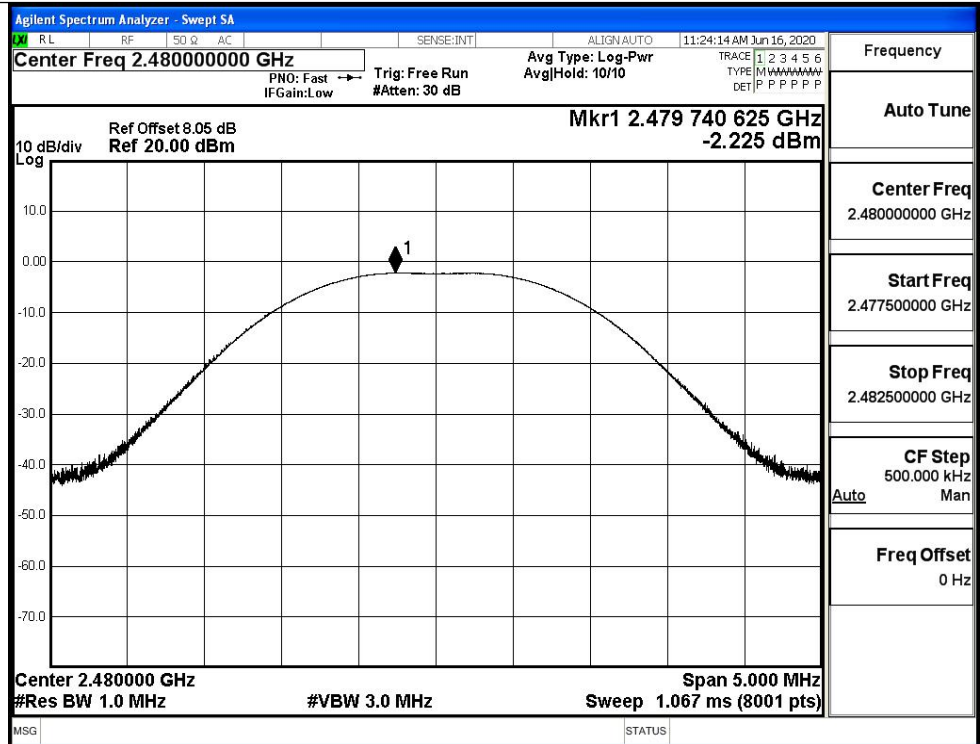
LCH



MCH



HCH

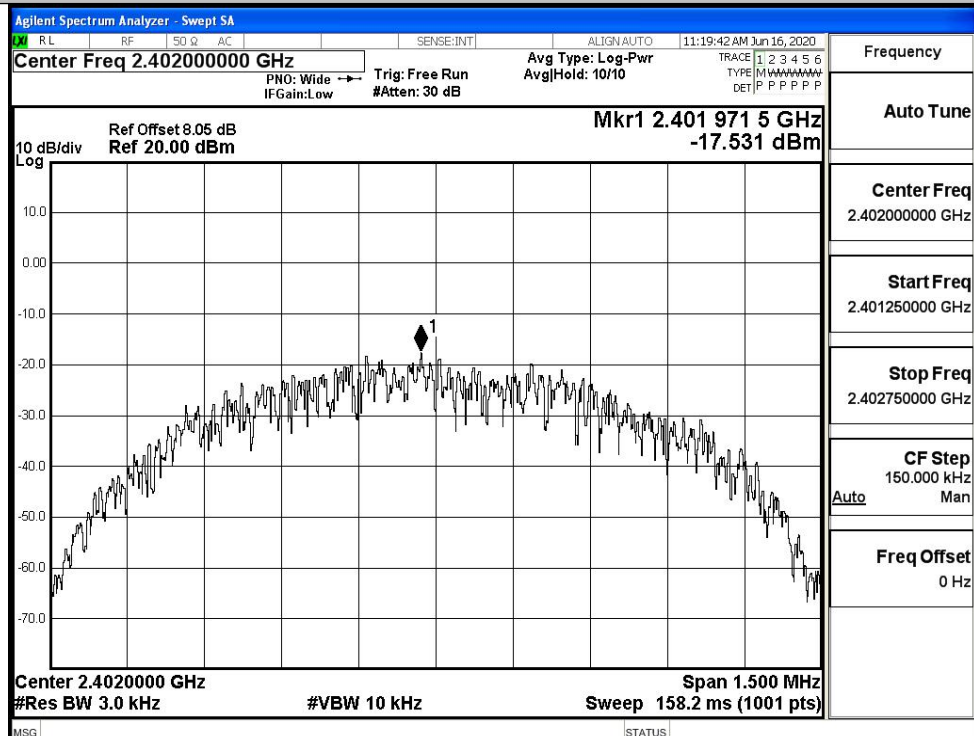


A.3 Maximum Power Spectral Density

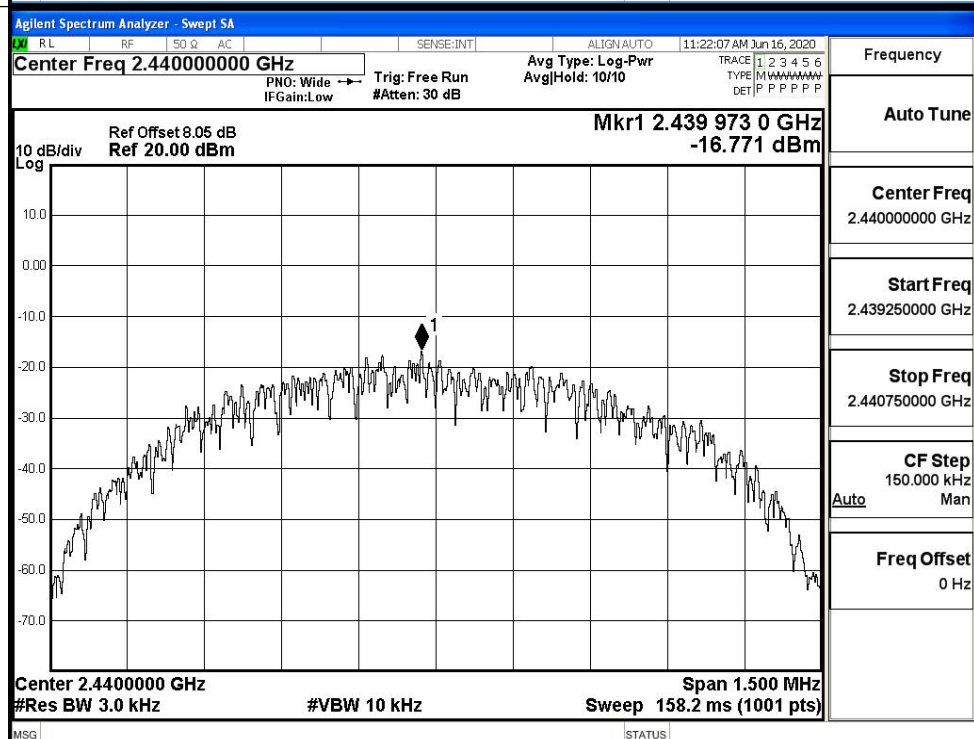
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.531	8	PASS
BT LE	MCH	-16.771	8	PASS
BT LE	HCH	-17.654	8	PASS

Test Graphs

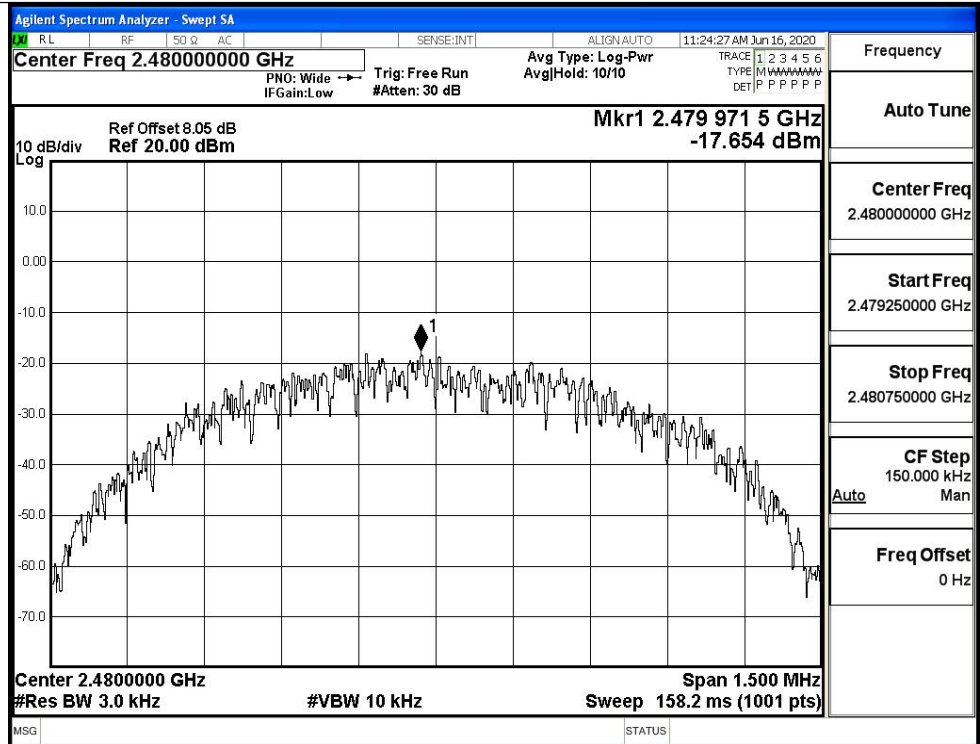
LCH



MCH



HCH

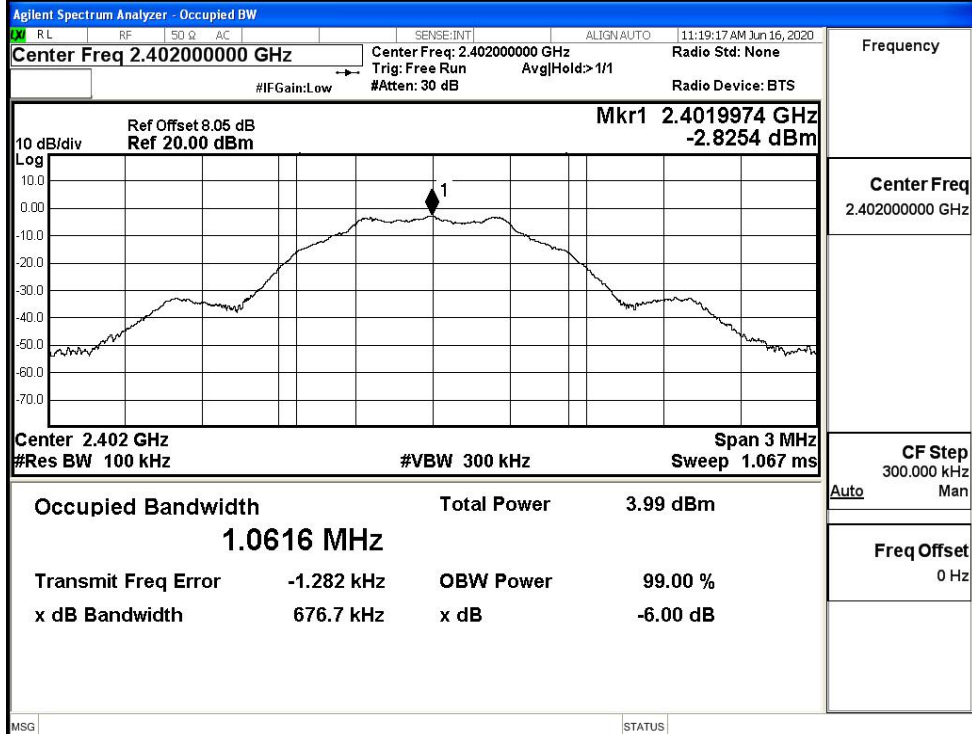


A.4 6dB Bandwidth

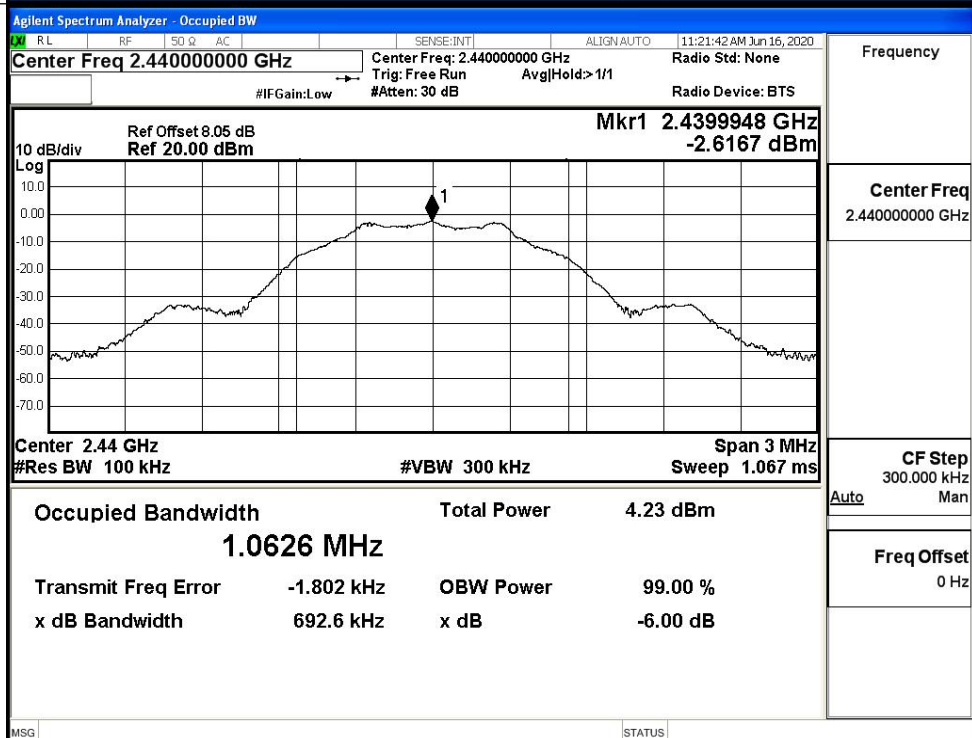
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6767	≥ 0.5	PASS
BT LE	MCH	0.6926	≥ 0.5	PASS
BT LE	HCH	0.6892	≥ 0.5	PASS

Test Graphs

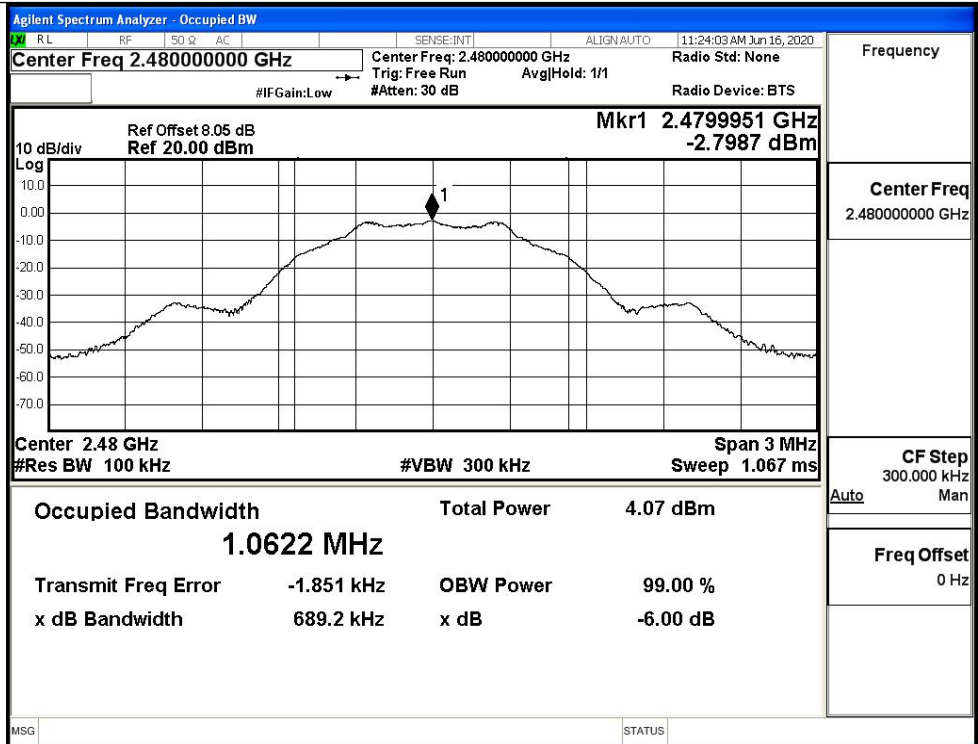
LCH



MCH



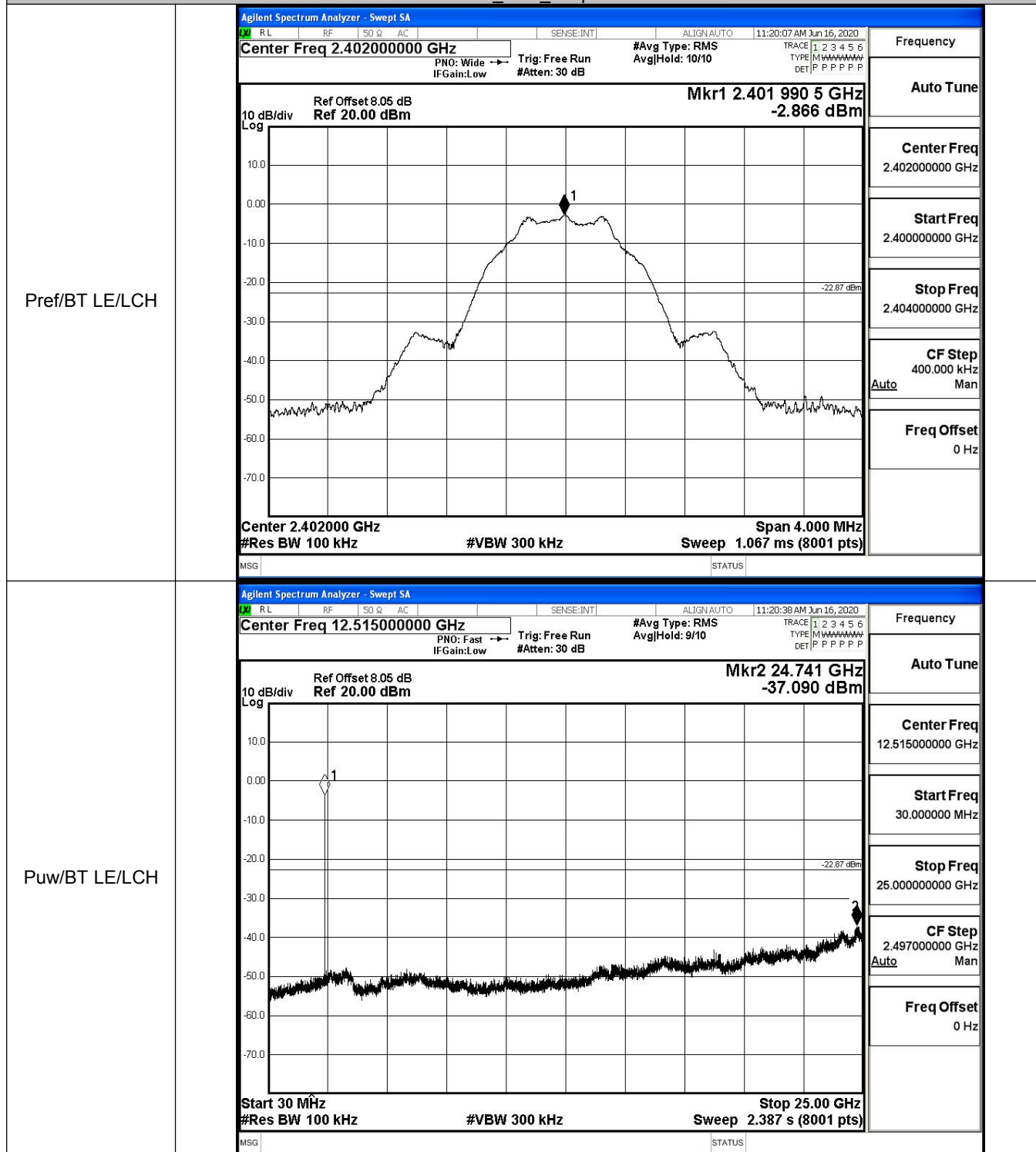
HCH



A.5 RF Conducted Spurious Emissions

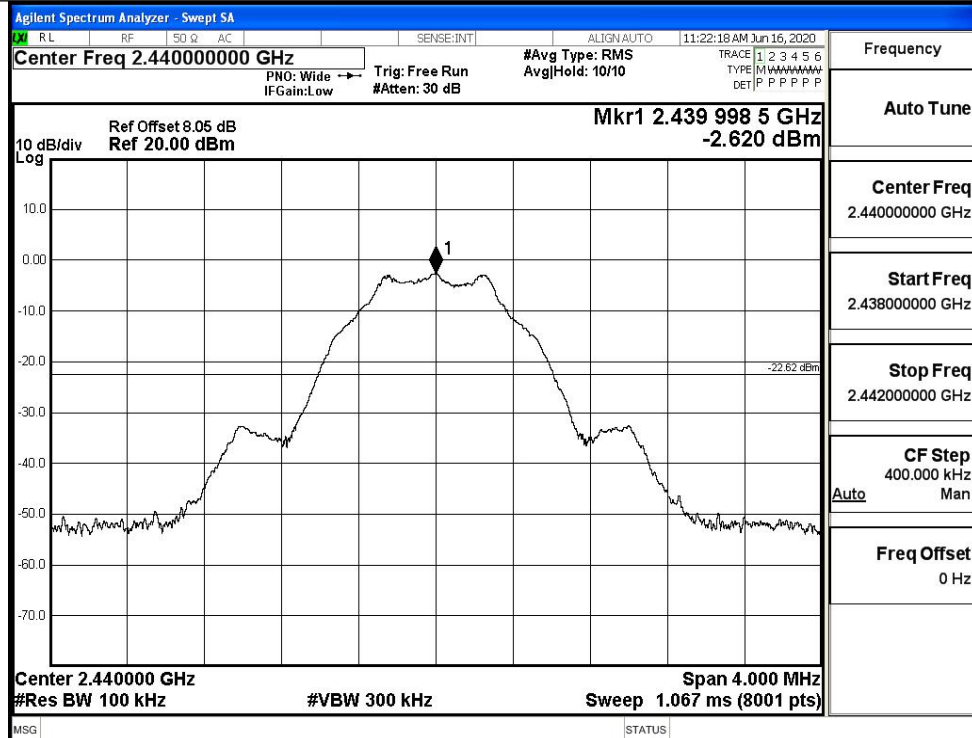
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.866	-37.090	-22.866	PASS
BT LE	MCH	-2.62	-37.229	-22.620	PASS
BT LE	HCH	-2.815	-37.317	-22.815	PASS

BT LE_LCH_Graphs

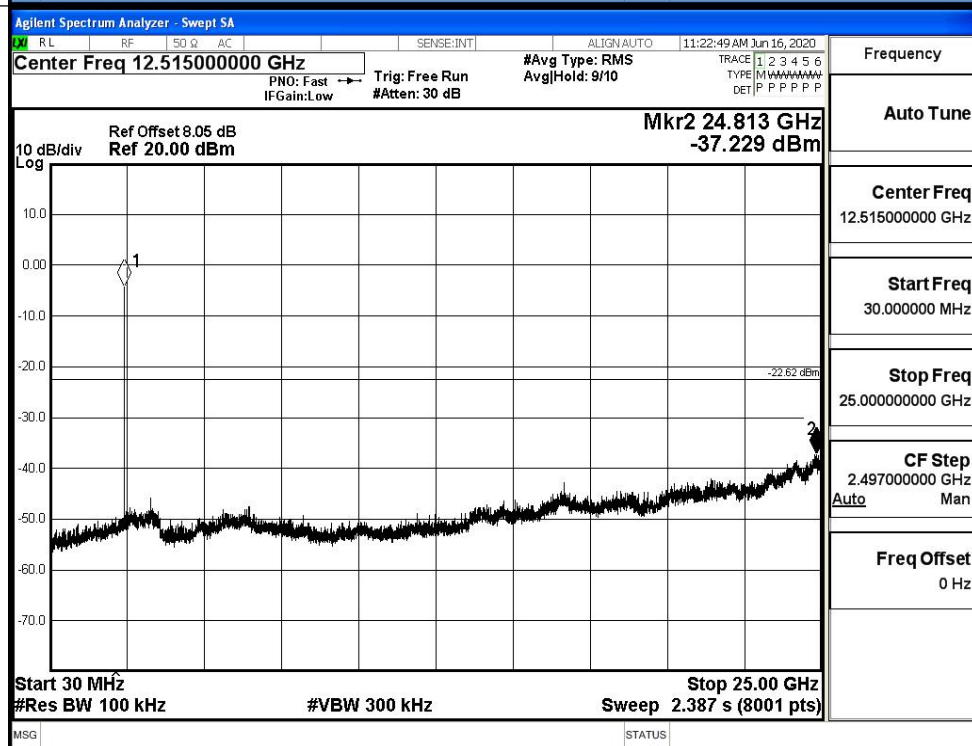


BT LE MCH Graphs

Pref/BT LE/MCH

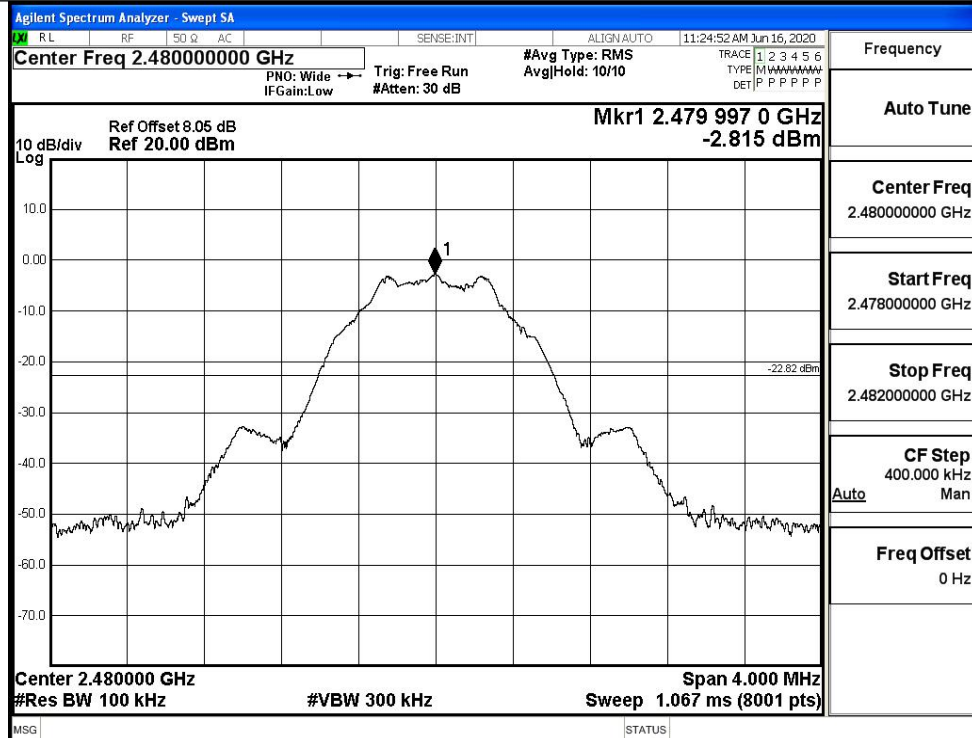


Puw/BT LE/MCH

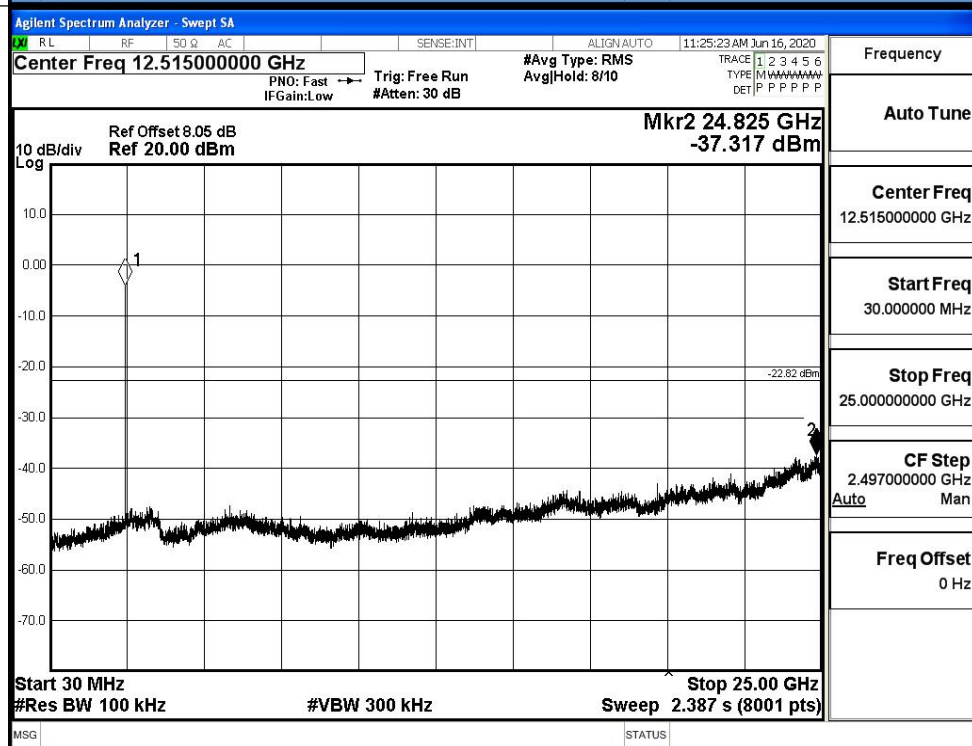


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

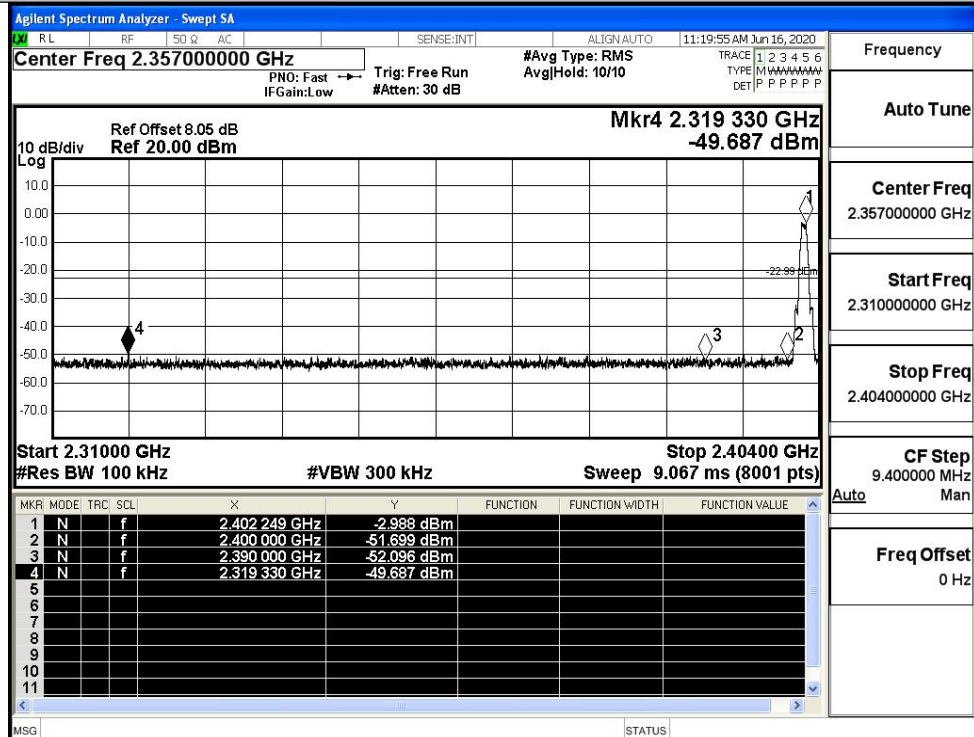


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.988	-49.687	-22.99	PASS
BT LE	HCH	-2.700	-48.751	-22.7	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

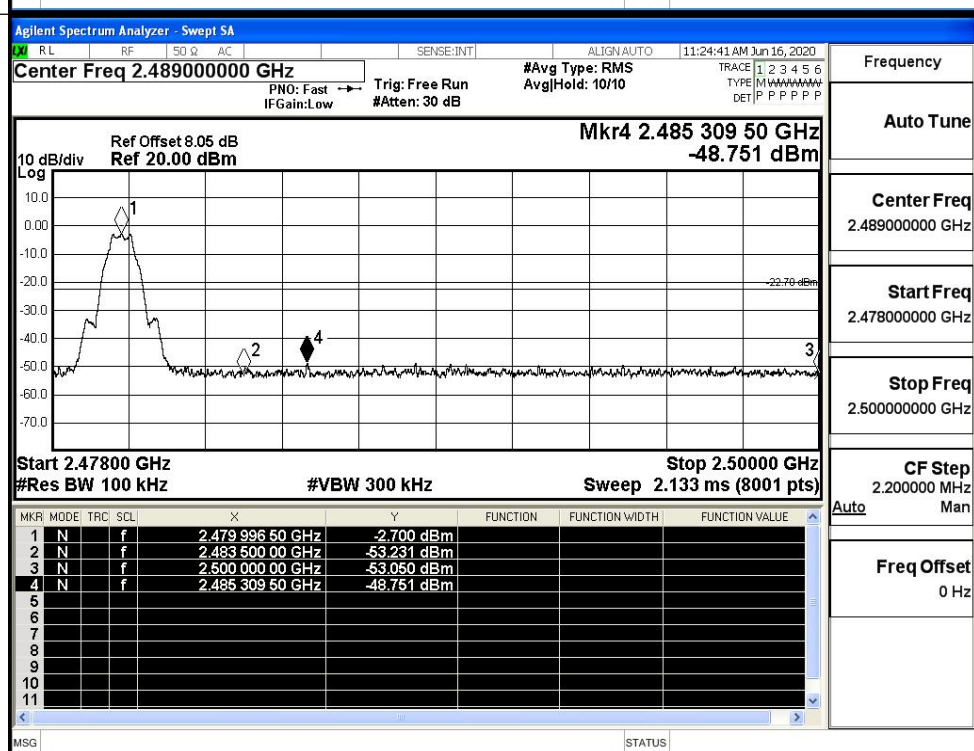
9.400000 MHz

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

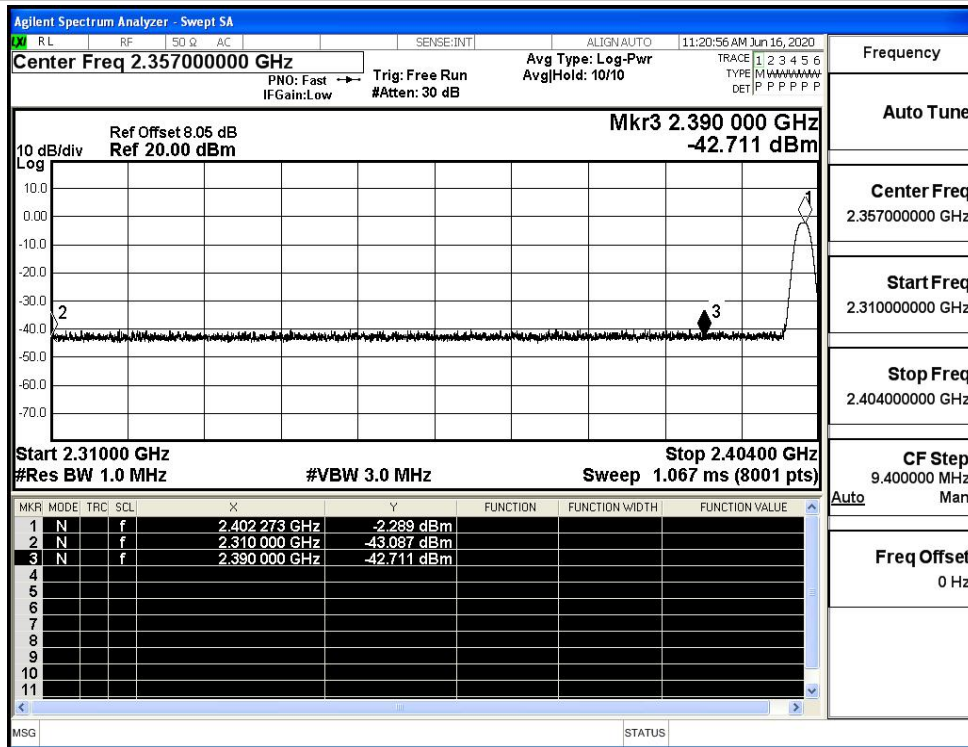
Freq Offset

0 Hz

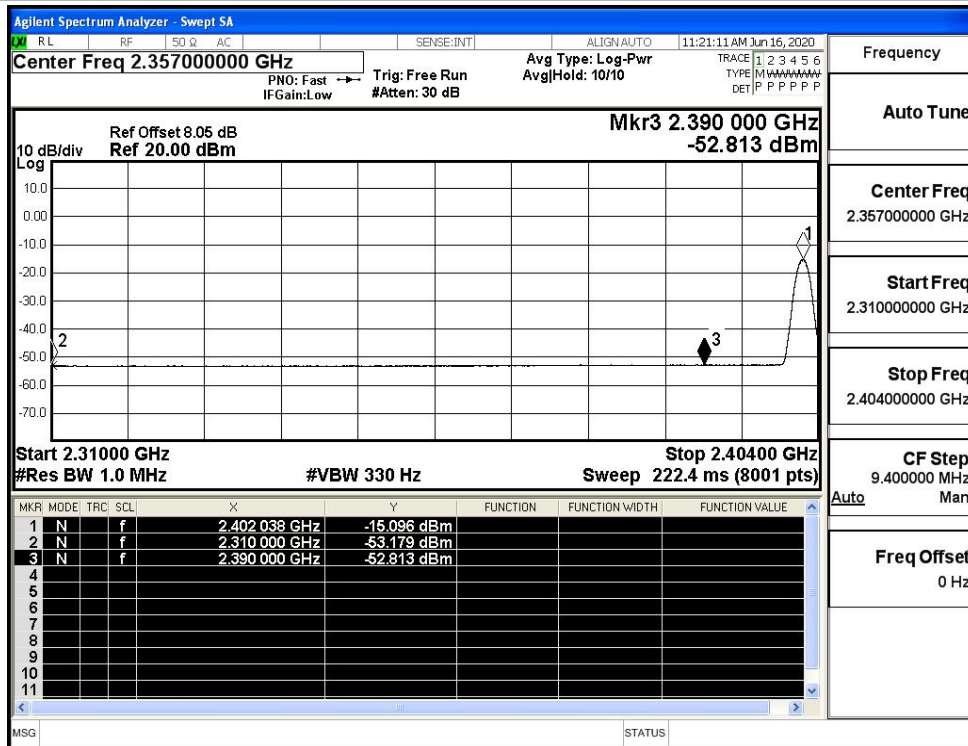
A.7 Restrict-band band-edge measurements

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	-43.09	2.66	0	54.80	PEAK	74	PASS
		Ant1	2310.0	-53.18	2.66	0	44.71	AV	54	PASS
		Ant1	2390.0	-42.71	2.66	0	55.18	PEAK	74	PASS
		Ant1	2390.0	-52.81	2.66	0	45.08	AV	54	PASS
	2480	Ant1	2483.5	-42.10	2.66	0	55.79	PEAK	74	PASS
		Ant1	2483.5	-52.51	2.66	0	45.38	AV	54	PASS
		Ant1	2500.0	-41.93	2.66	0	55.96	PEAK	74	PASS
		Ant1	2500.0	-52.31	2.66	0	45.58	AV	54	PASS

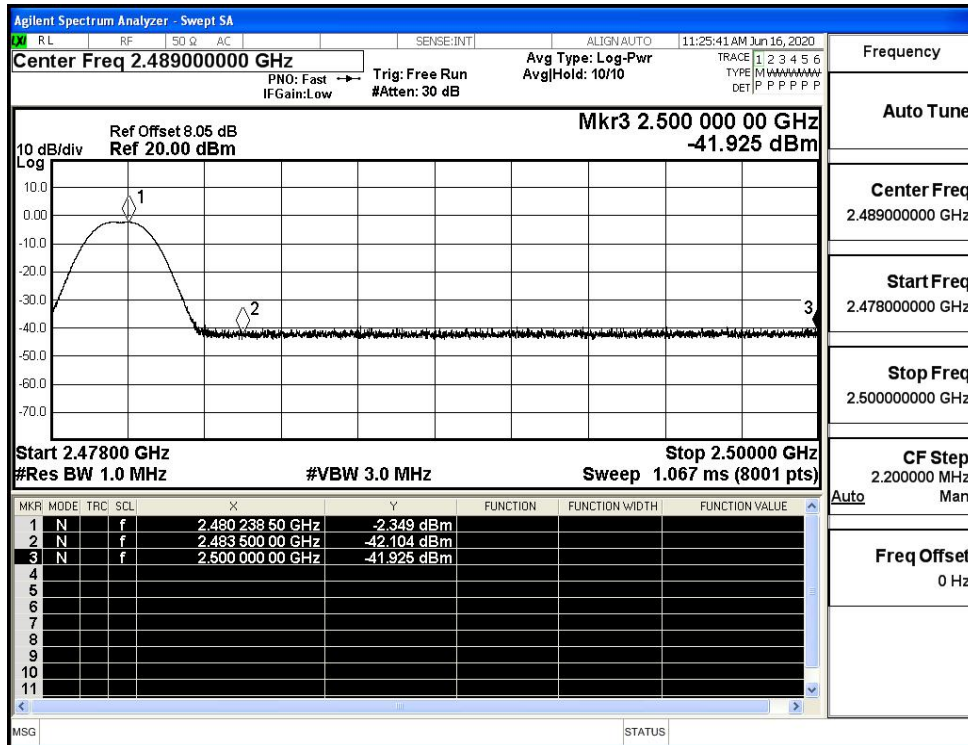
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

