

Appendix A

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

Product Name: Corner

Trade Mark: Corner

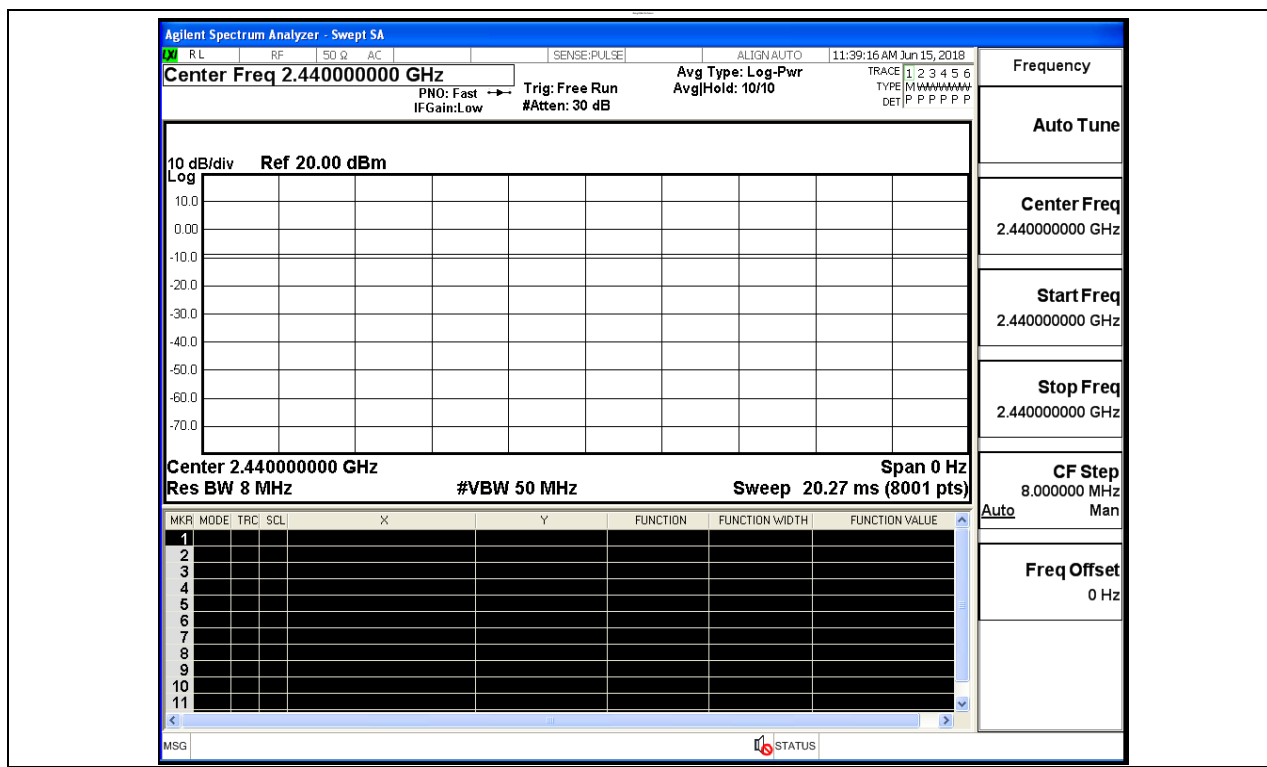
Test Model: Corner1

Environmental Conditions

Temperature:	23.2° C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden.Zhuo

A.1 Duty Cycle

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

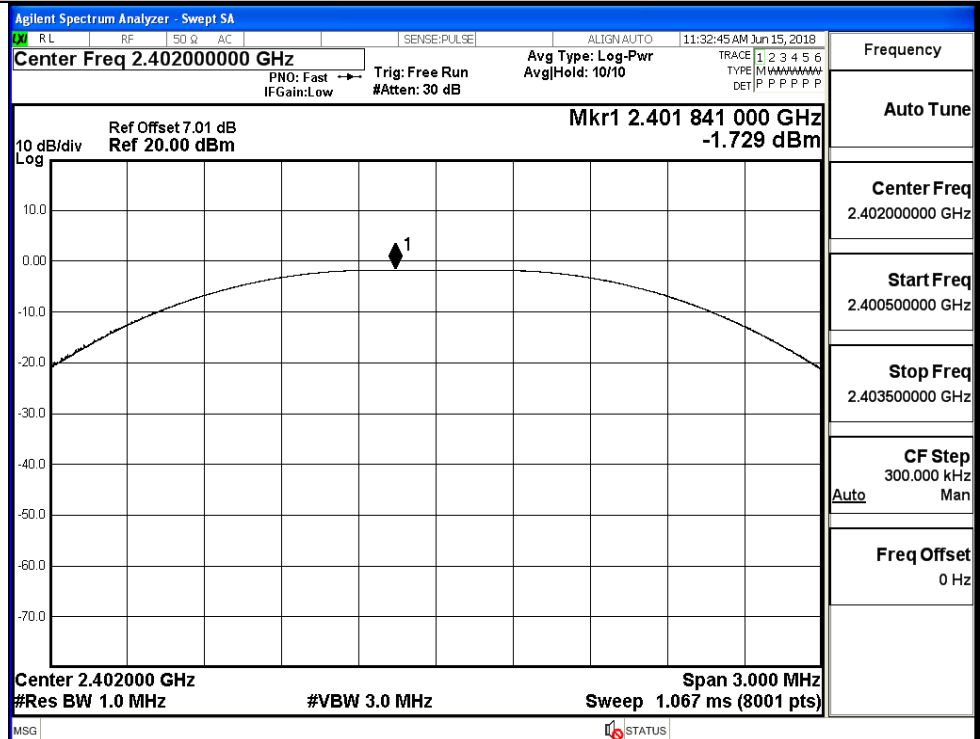


A.2 Maximum Conducted Peak Output Power

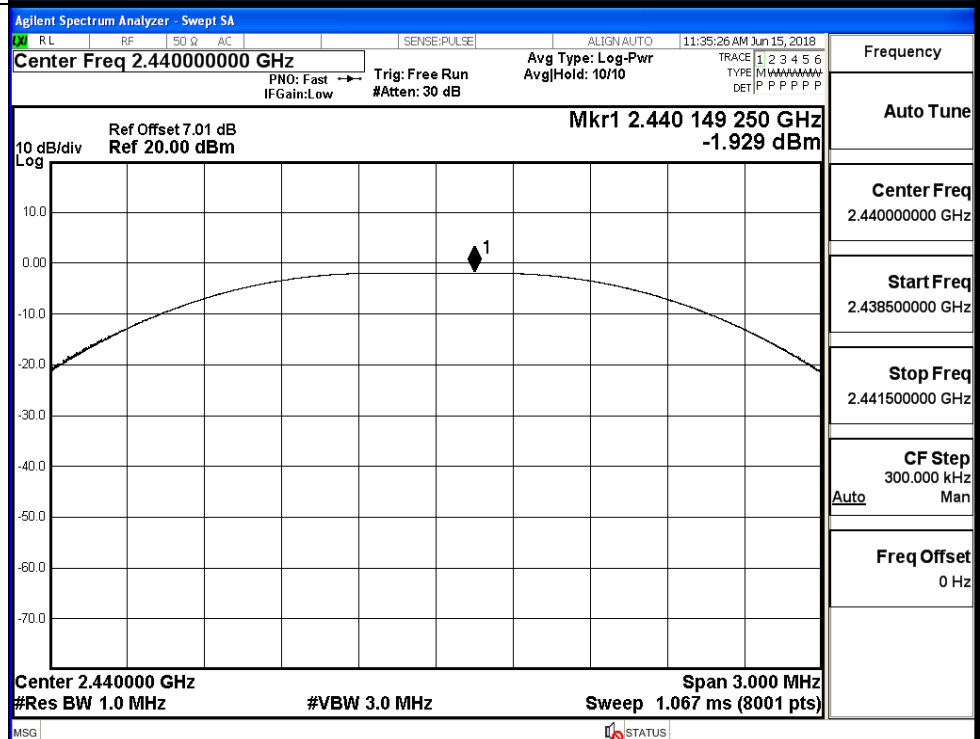
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.729	30	PASS
BT LE	MCH	-1.929	30	PASS
BT LE	HCH	-2.769	30	PASS

Test Graphs

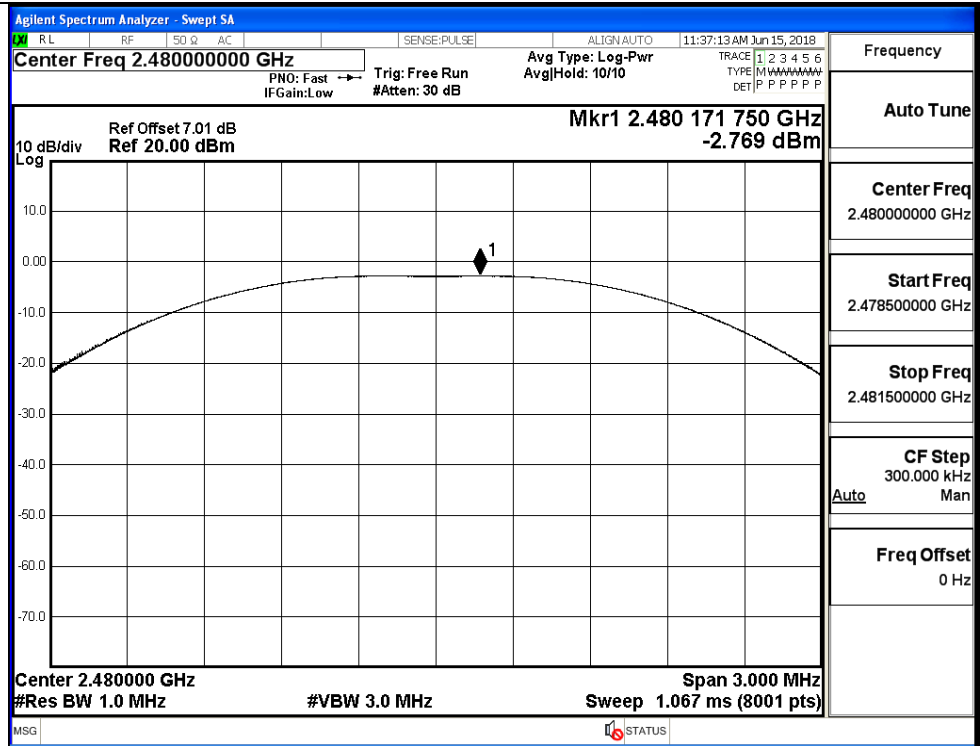
LCH



MCH



HCH

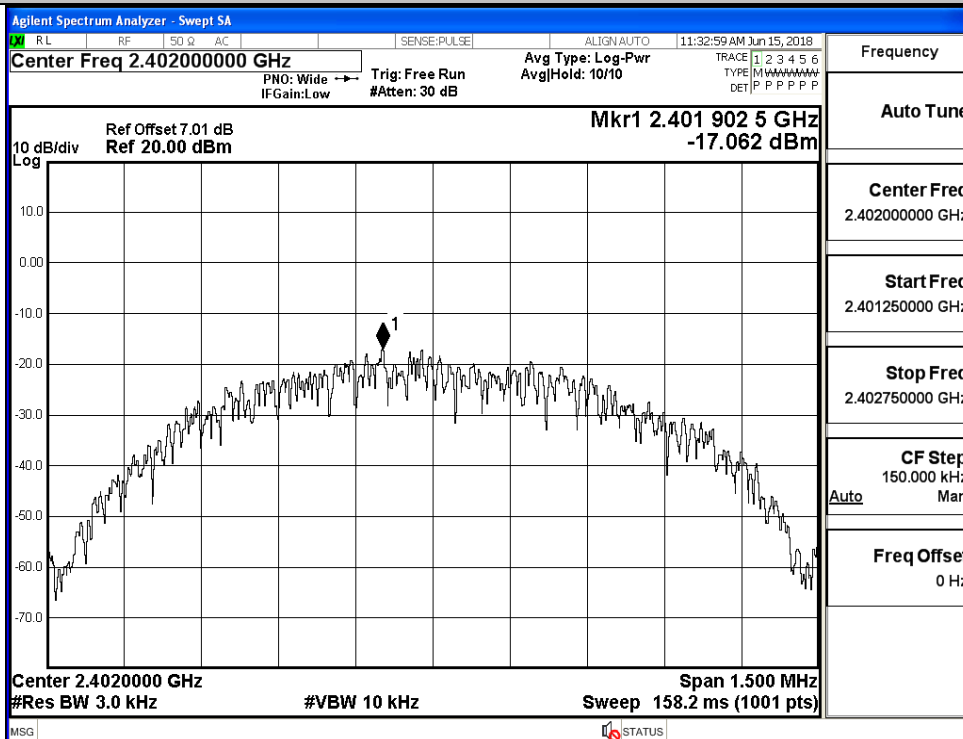


A.3 Maximum Power Spectral Density

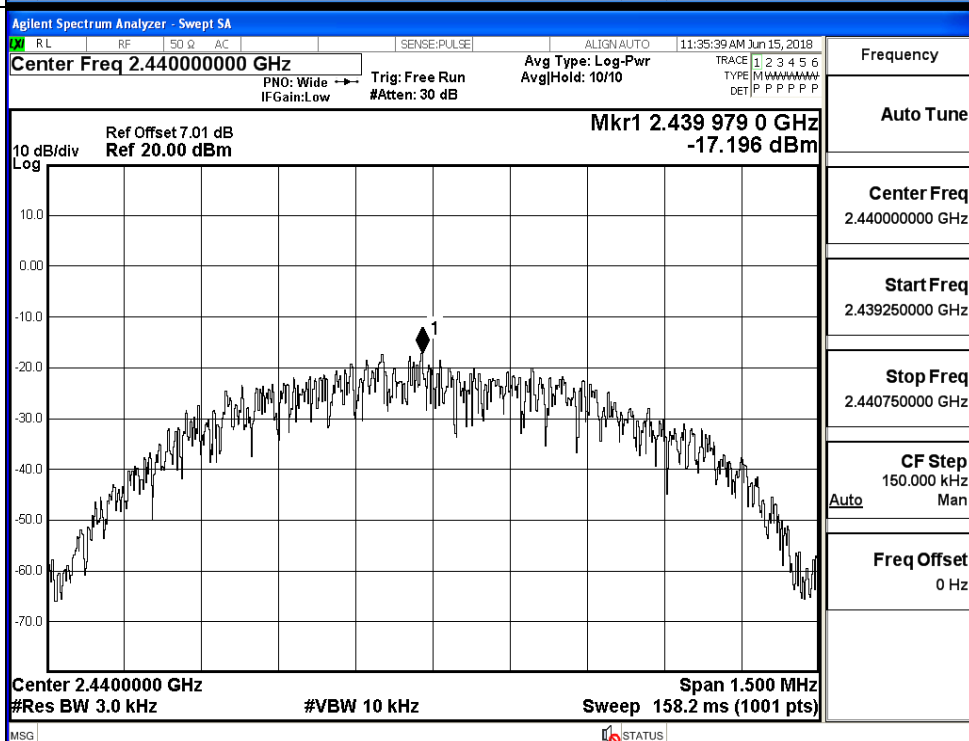
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.062	8	PASS
BT LE	MCH	-17.196	8	PASS
BT LE	HCH	-18.349	8	PASS

Test Graphs

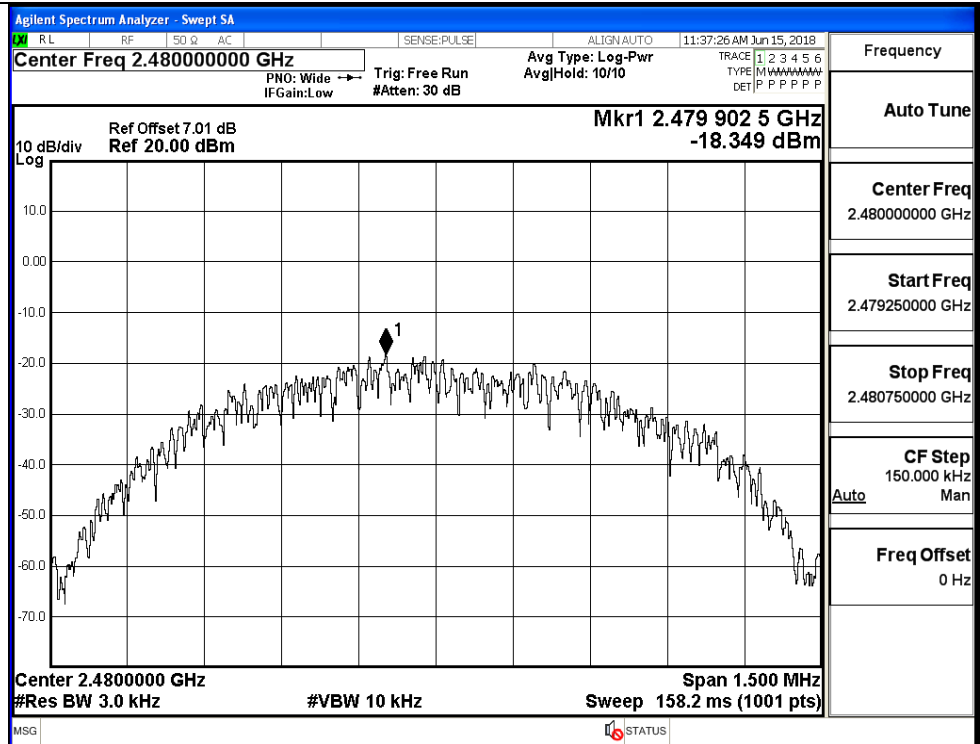
LCH



MCH



HCH

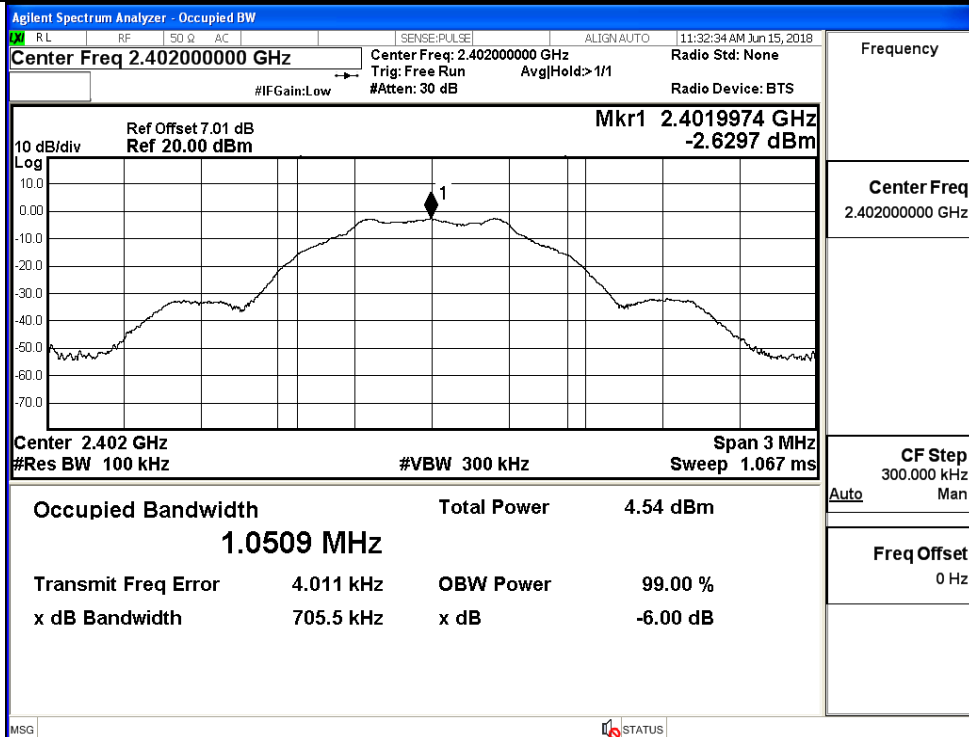


A.4 6dB Bandwidth

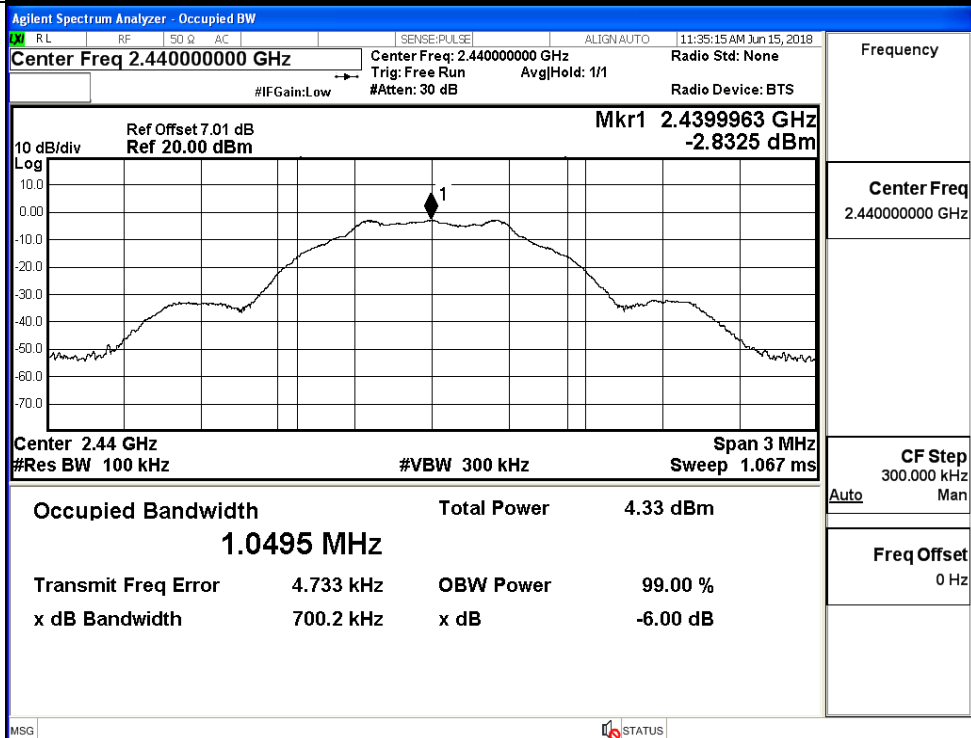
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7055	≥ 0.5	PASS
BT LE	MCH	0.7002	≥ 0.5	PASS
BT LE	HCH	0.7095	≥ 0.5	PASS

Test Graphs

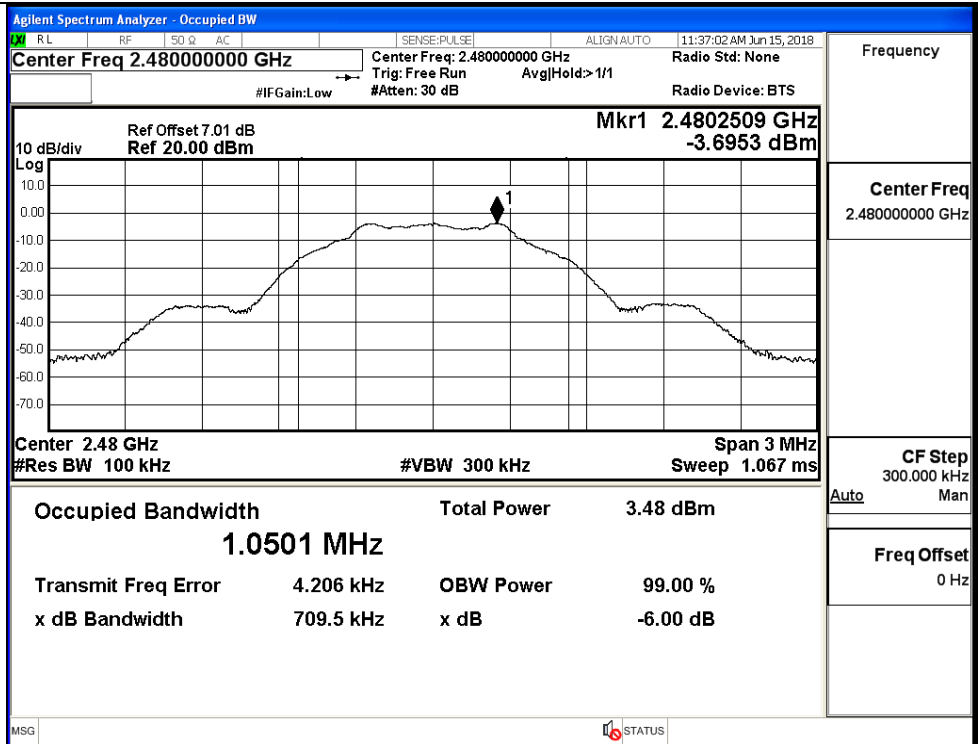
LCH



MCH



HCH

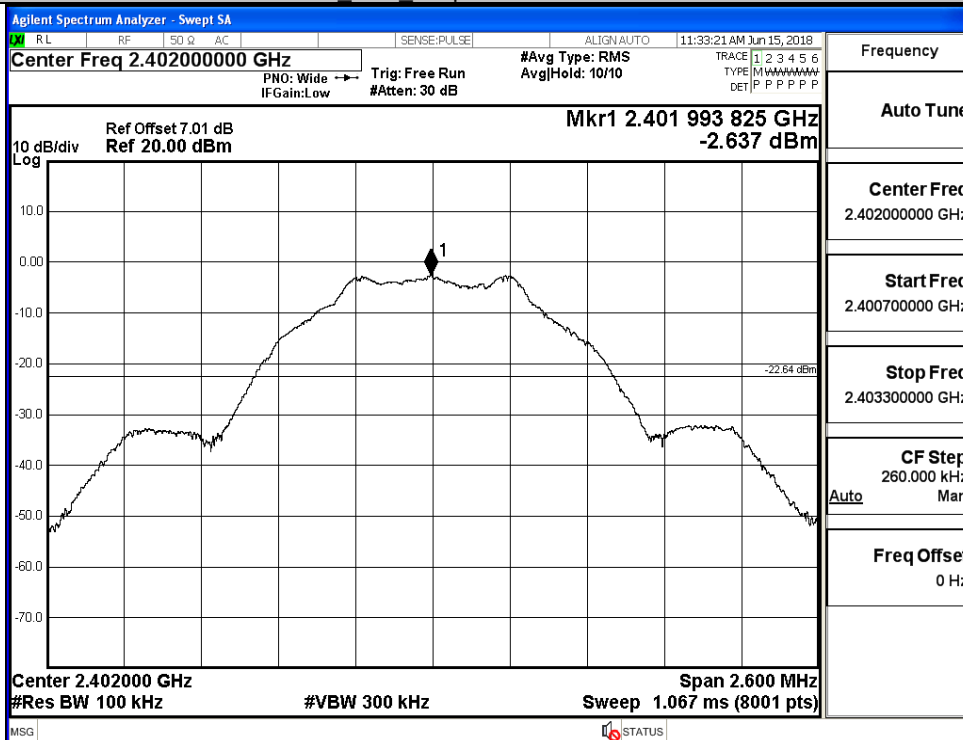


A.5 RF Conducted Spurious Emissions

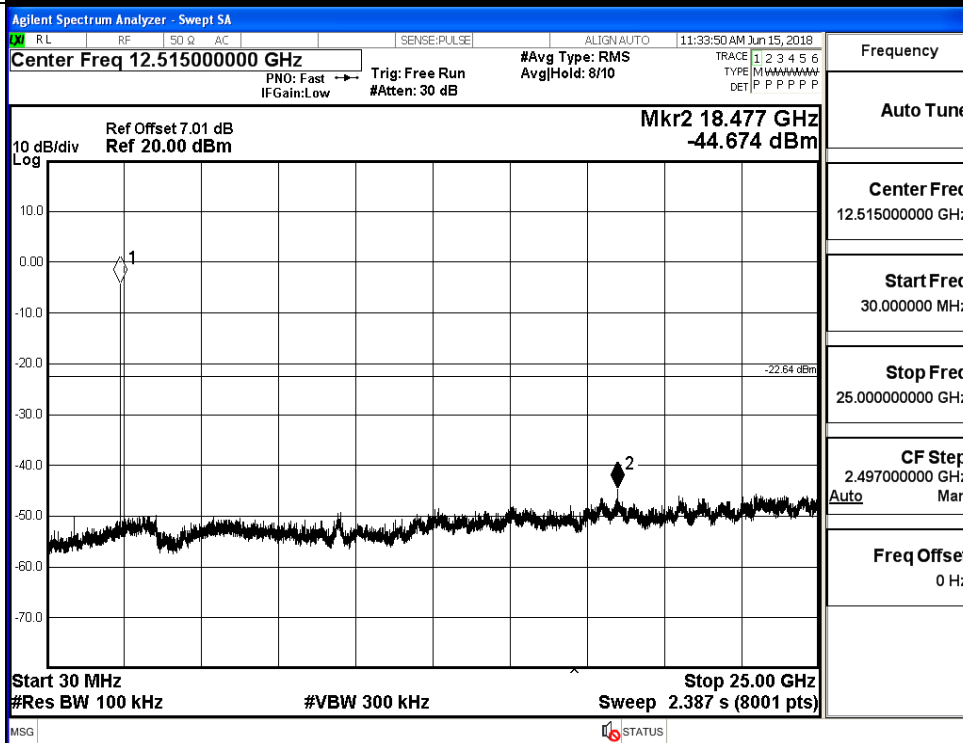
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.637	-44.674	-22.637	PASS
BT LE	MCH	-2.83	-45.305	-22.830	PASS
BT LE	HCH	-3.661	-44.500	-23.661	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

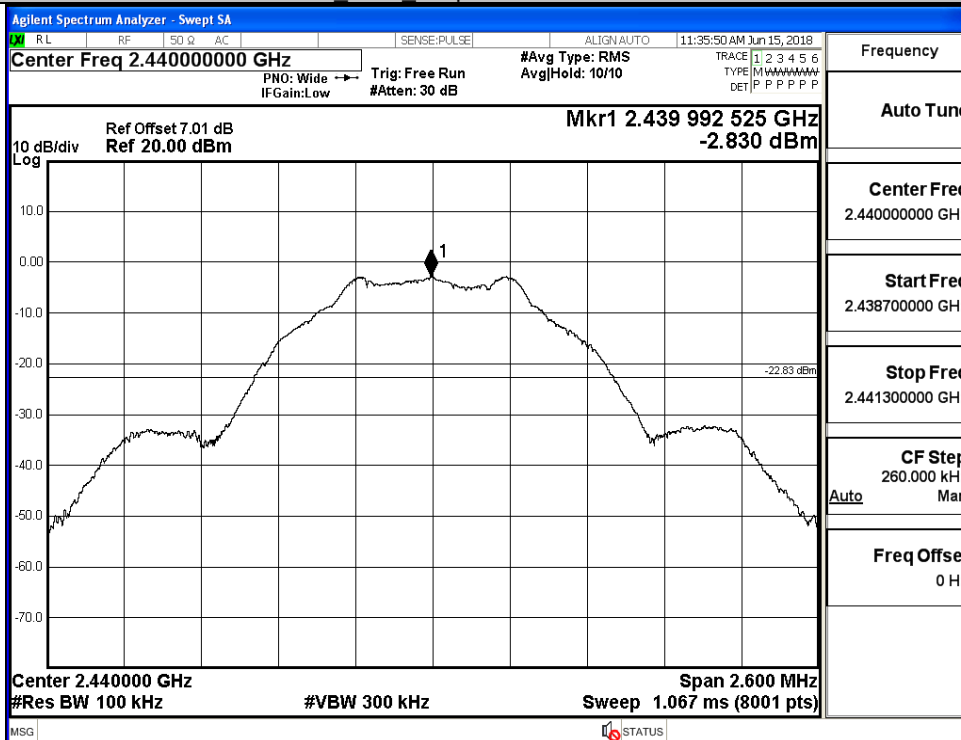


Puw/BT LE/LCH

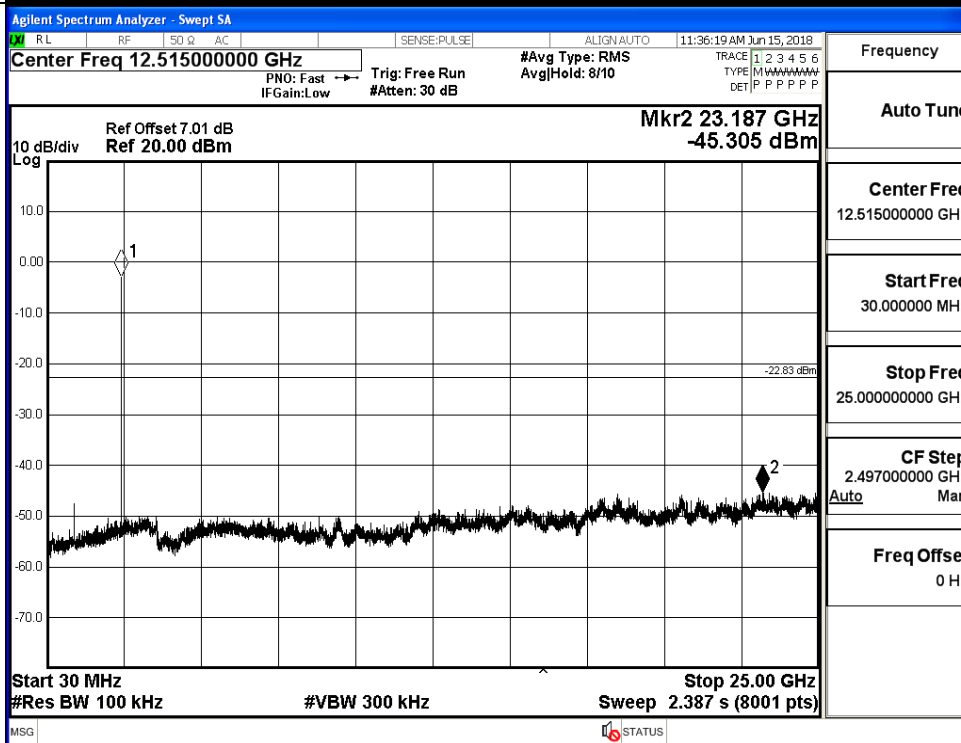


BT LE MCH Graphs

Pref/BT LE/MCH

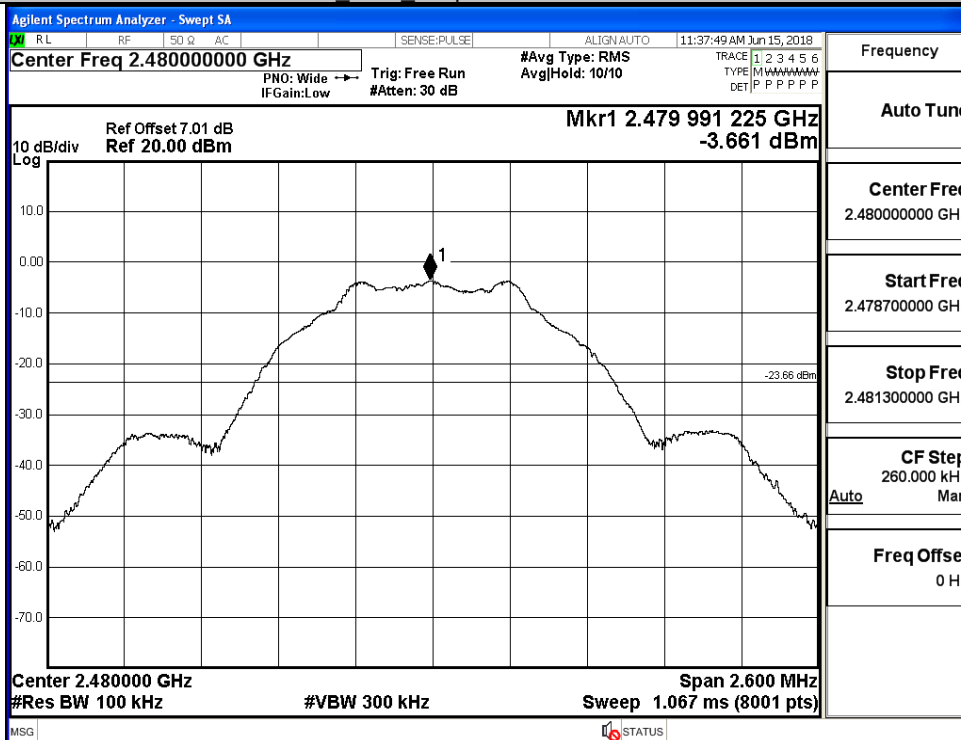


Puw/BT LE/MCH

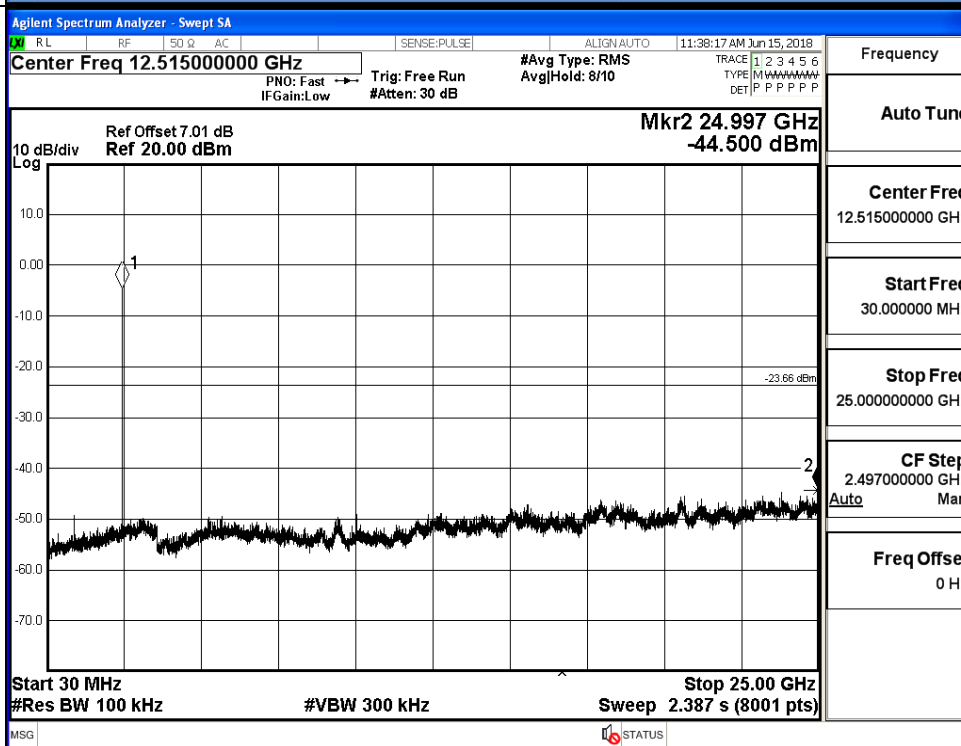


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

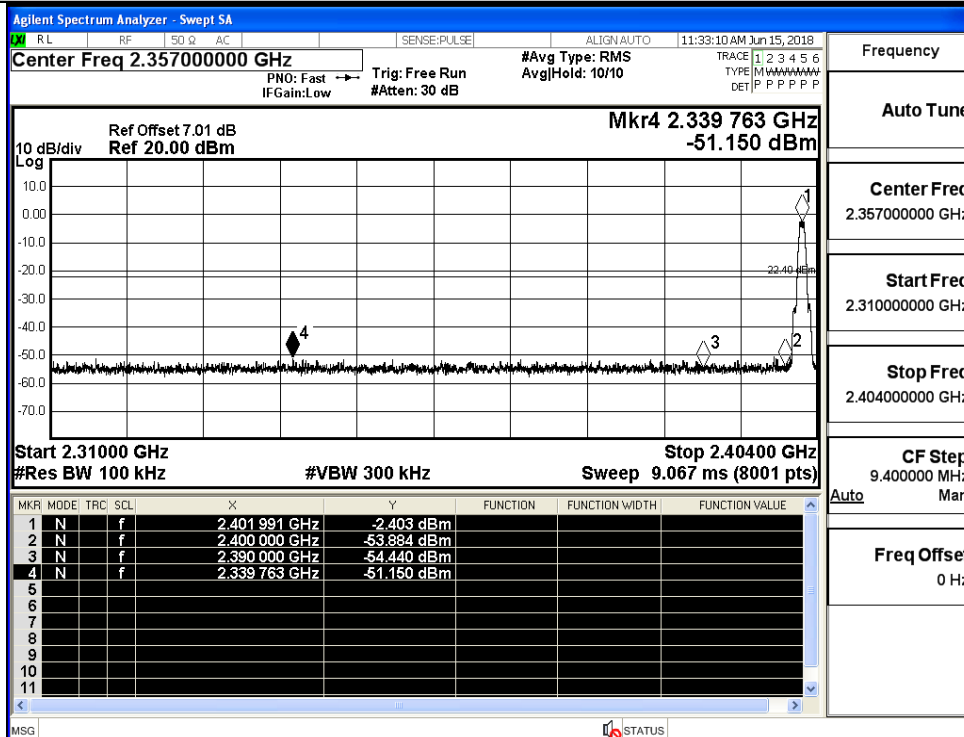


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.403	-51.150	-22.40	PASS
BT LE	HCH	-3.471	-50.895	-23.47	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

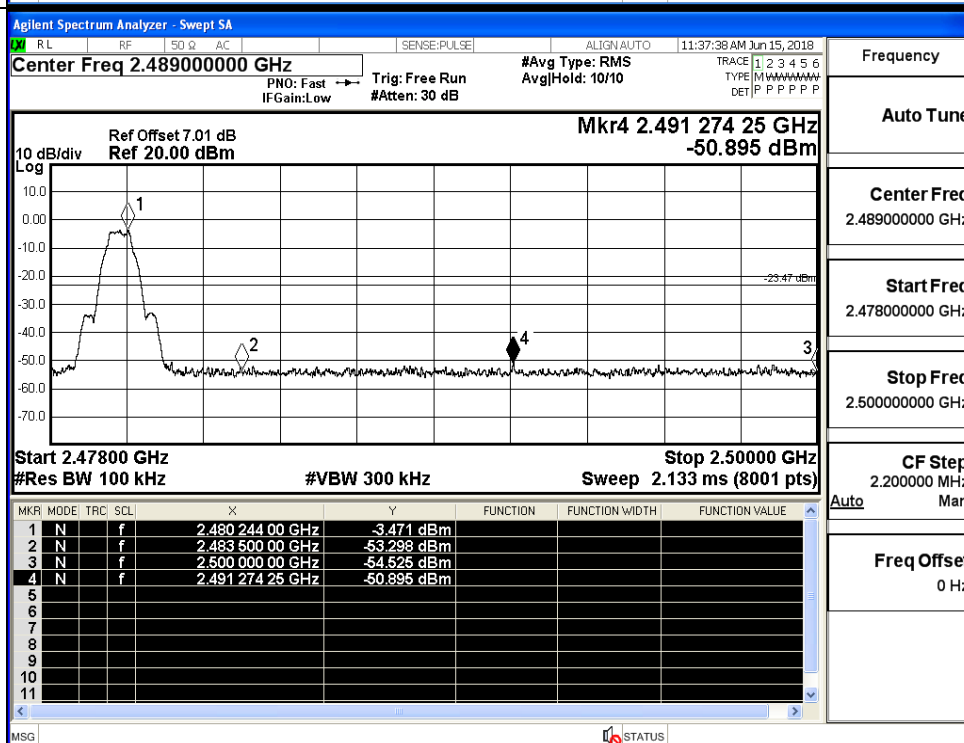
9.400000 MHz

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

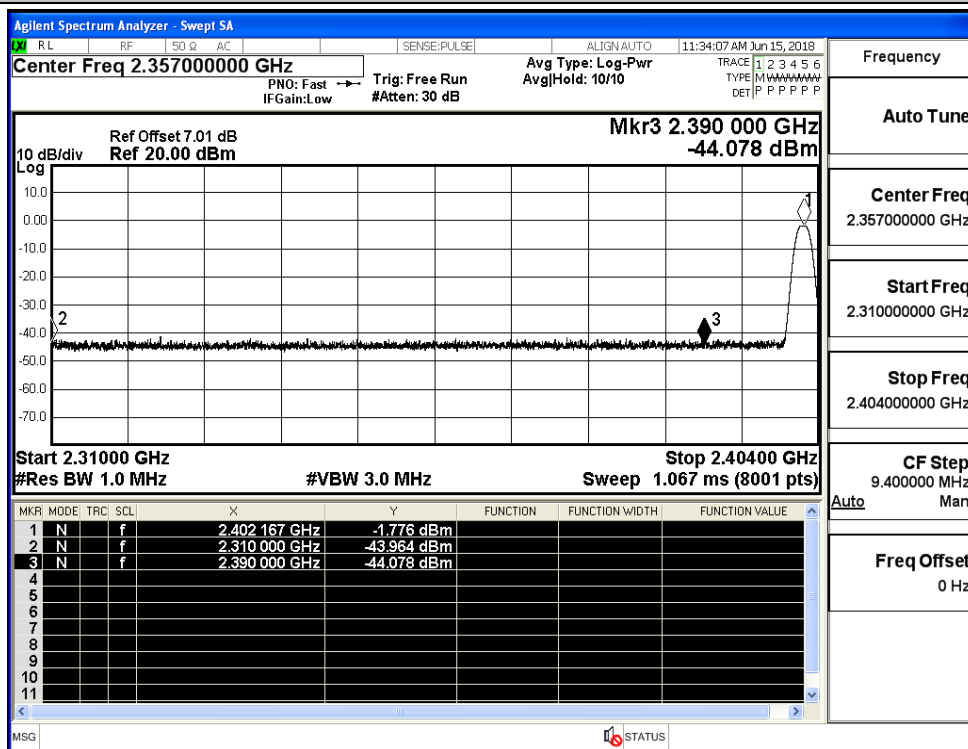
Freq Offset

0 Hz

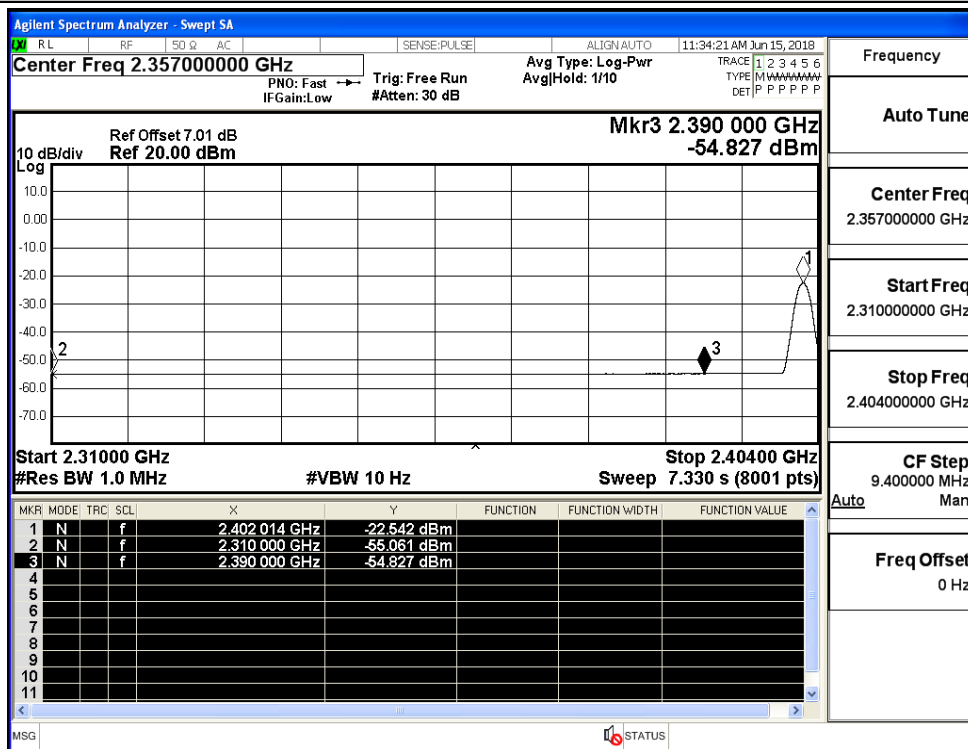
A.7 Restrict-band band-edge measurements

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	-43.96	3.0	0	54.27	PEAK	74	PASS
		Ant1	2310.0	-55.06	3.0	0	43.17	AV	54	PASS
		Ant1	2390.0	-44.08	3.0	0	54.15	PEAK	74	PASS
		Ant1	2390.0	-54.83	3.0	0	43.40	AV	54	PASS
	2480	Ant1	2483.5	-44.82	3.0	0	53.41	PEAK	74	PASS
		Ant1	2483.5	-54.59	3.0	0	43.64	AV	54	PASS
		Ant1	2500.0	-44.96	3.0	0	53.27	PEAK	74	PASS
		Ant1	2500.0	-54.46	3.0	0	43.77	AV	54	PASS

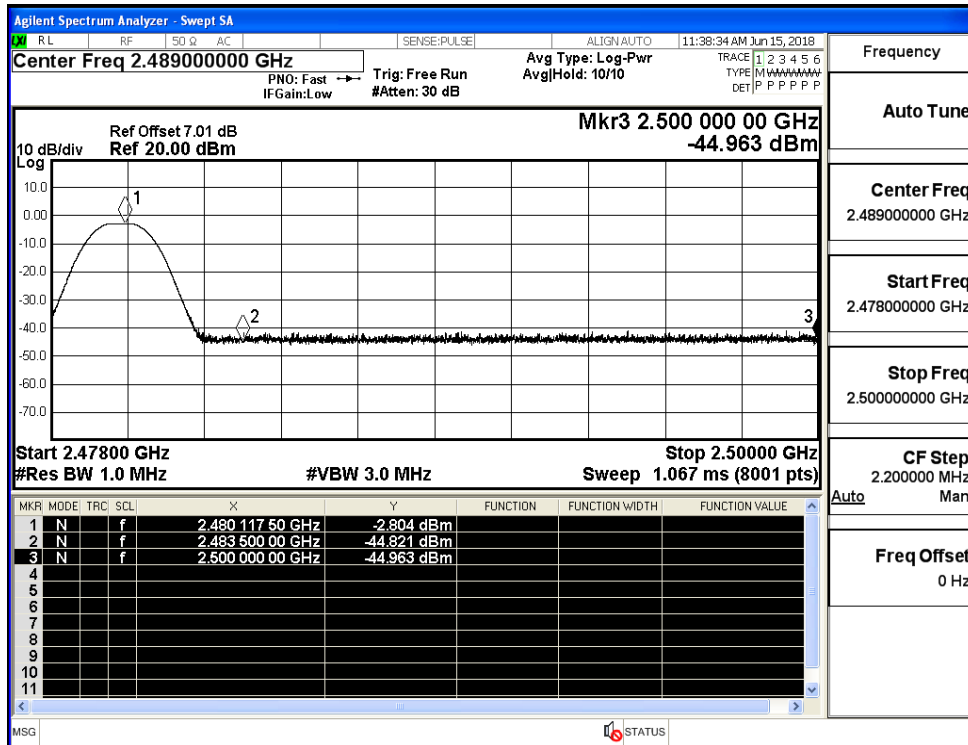
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

