

Appendix A

RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement)

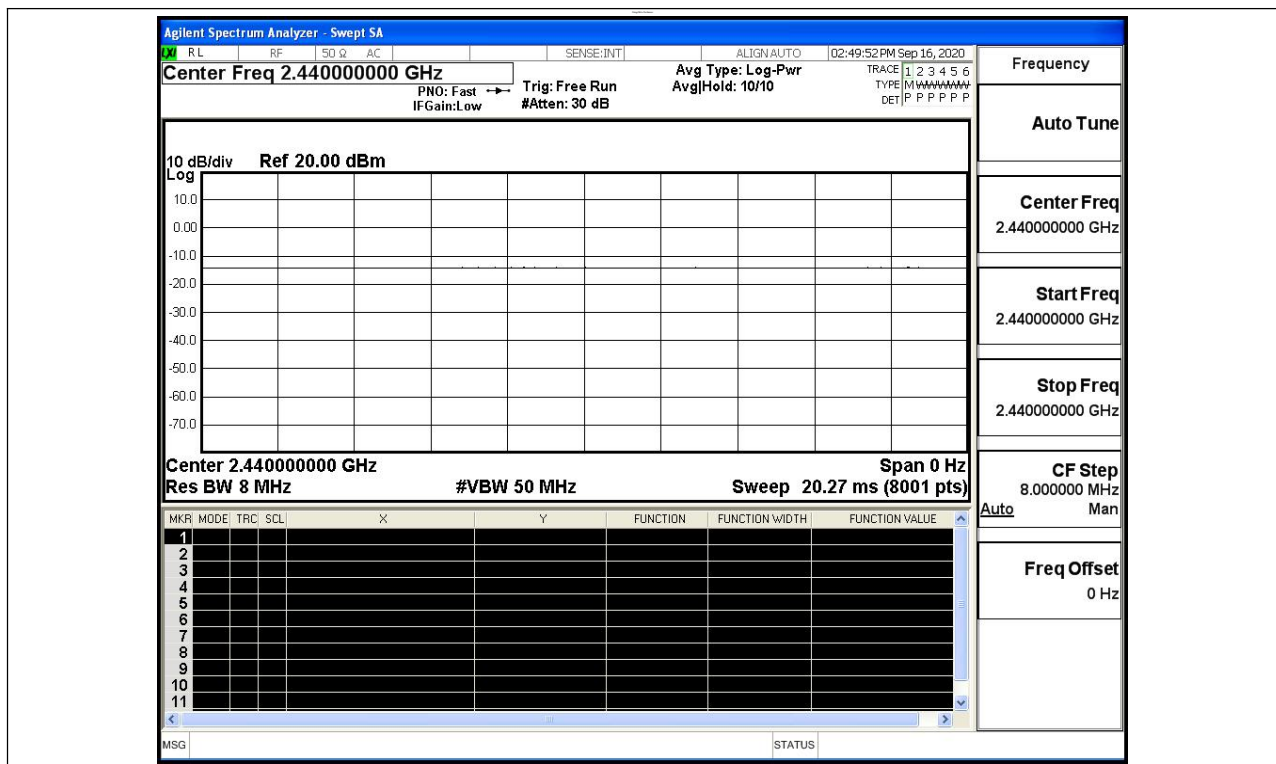
Product Name: Floorsense
Trade Mark: Floorsense Limited
Test Model: FS-D22

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
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

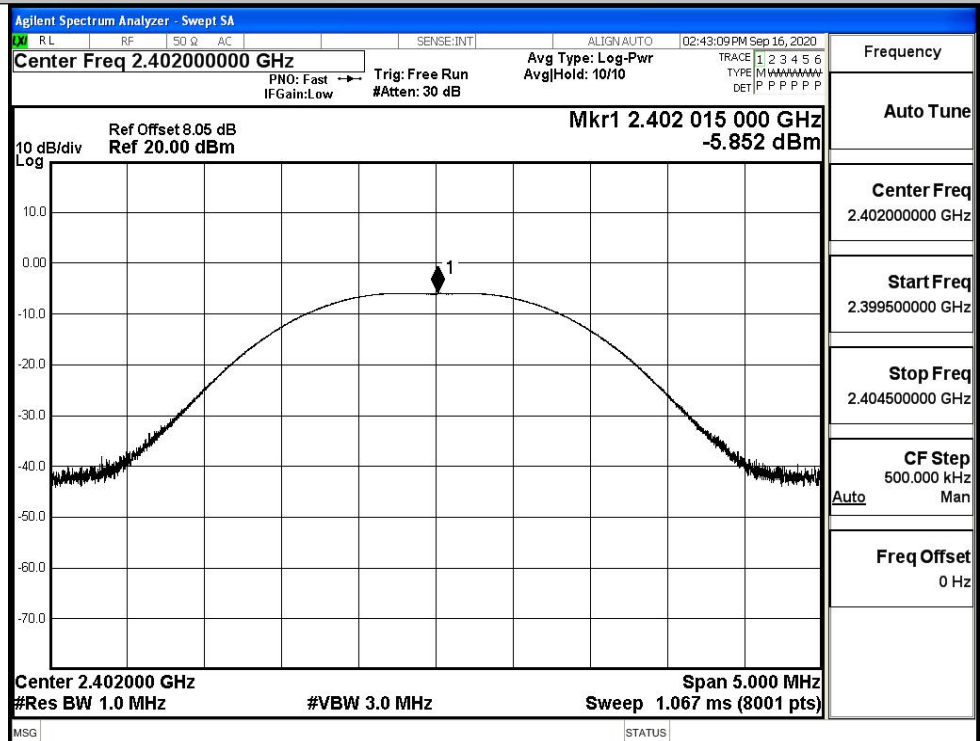


A.2 Maximum Conducted Peak Output Power

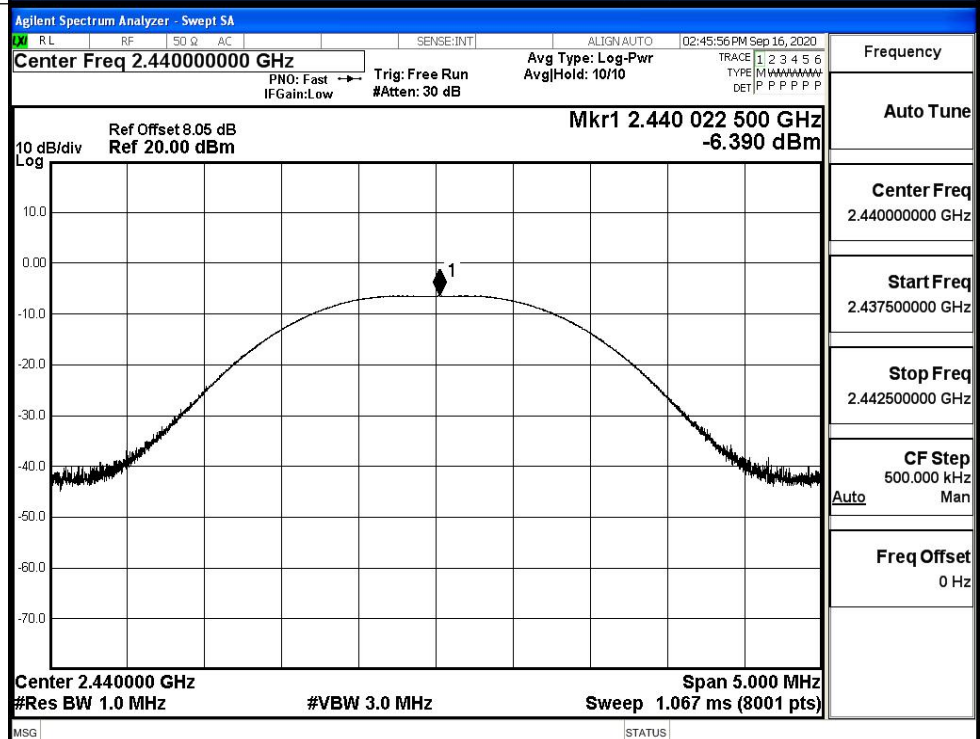
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-5.852	30	PASS
BT LE	MCH	-6.39	30	PASS
BT LE	HCH	-7.087	30	PASS

Test Graphs

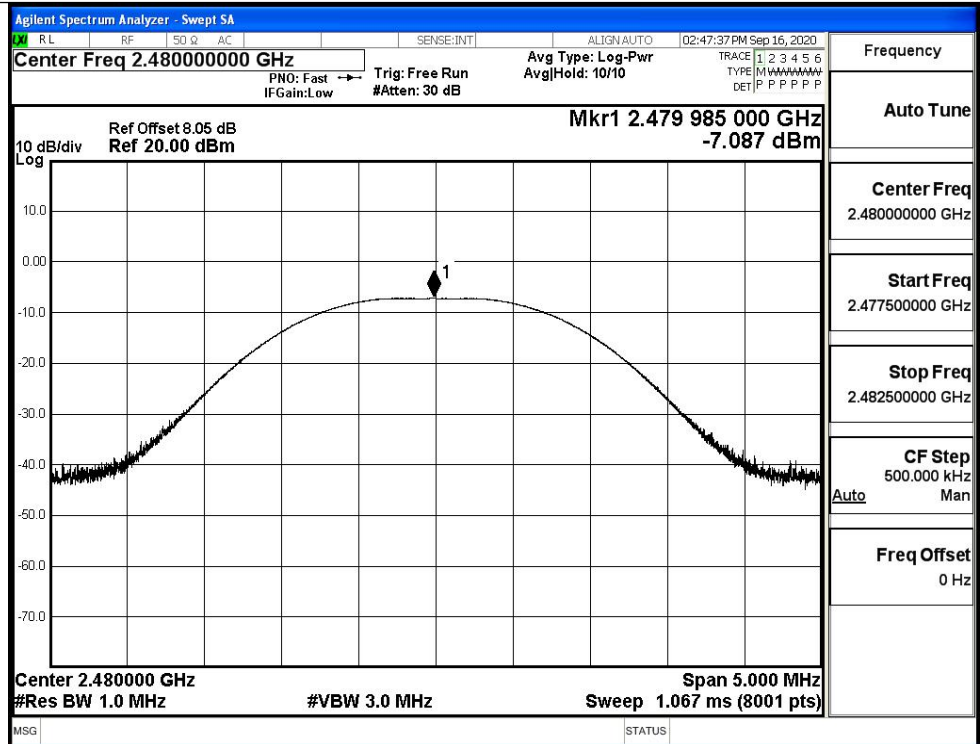
LCH



MCH



HCH

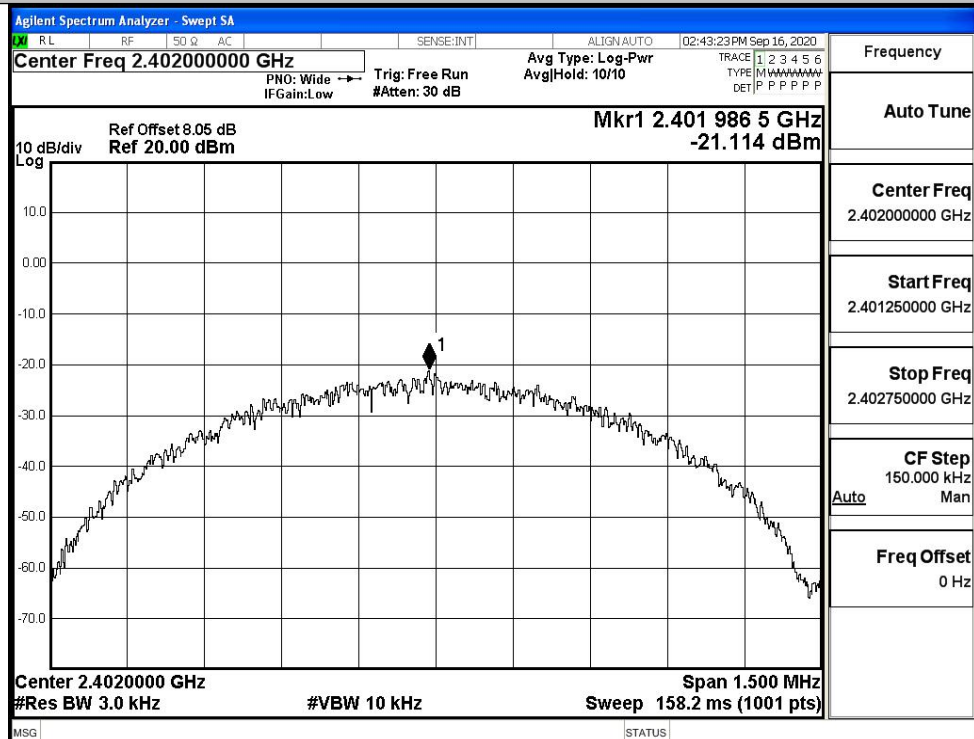


A.3 Maximum Power Spectral Density

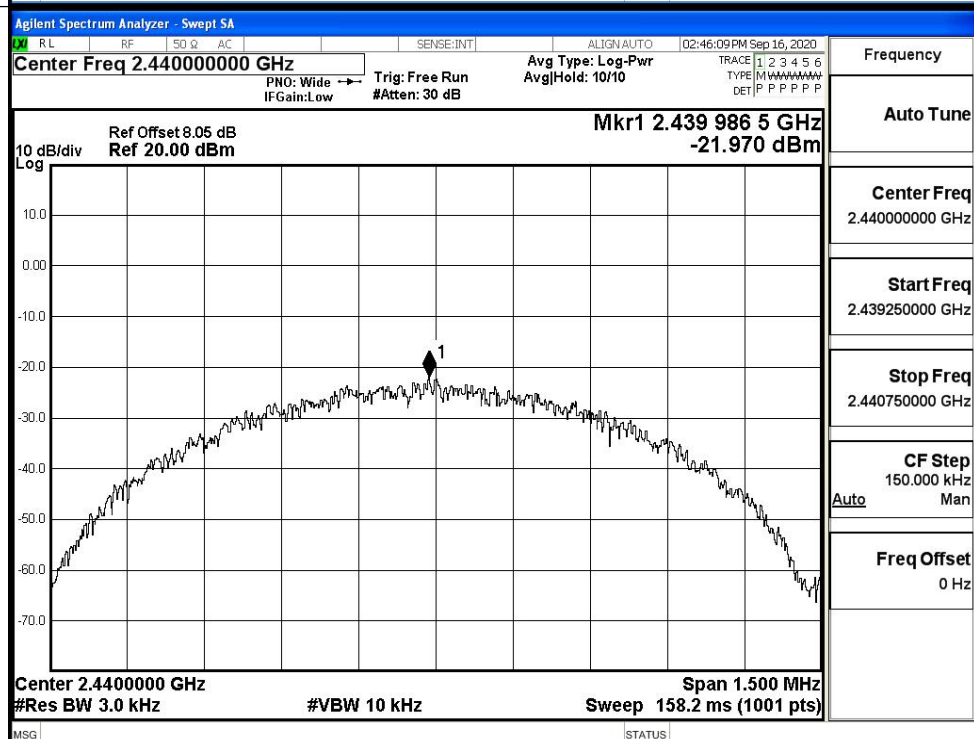
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-21.114	8	PASS
BT LE	MCH	-21.970	8	PASS
BT LE	HCH	-22.408	8	PASS

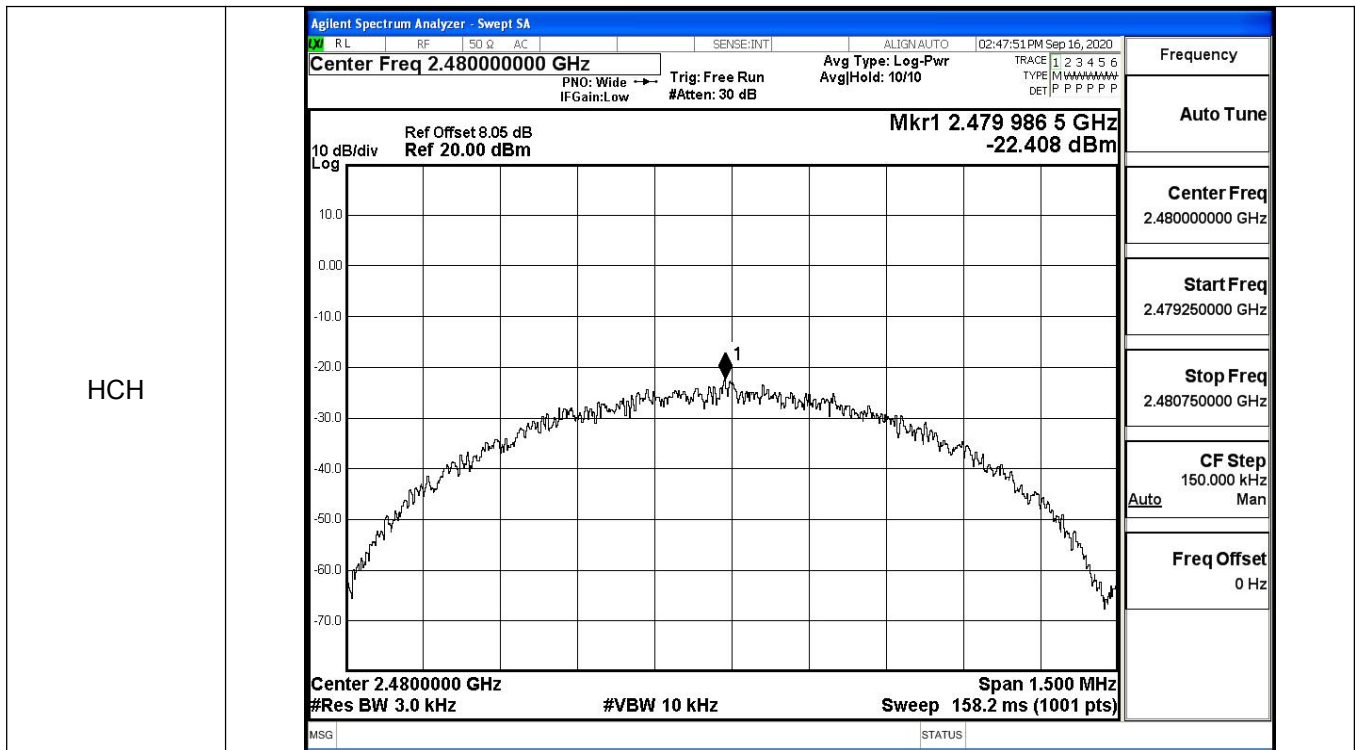
Test Graphs

LCH



MCH



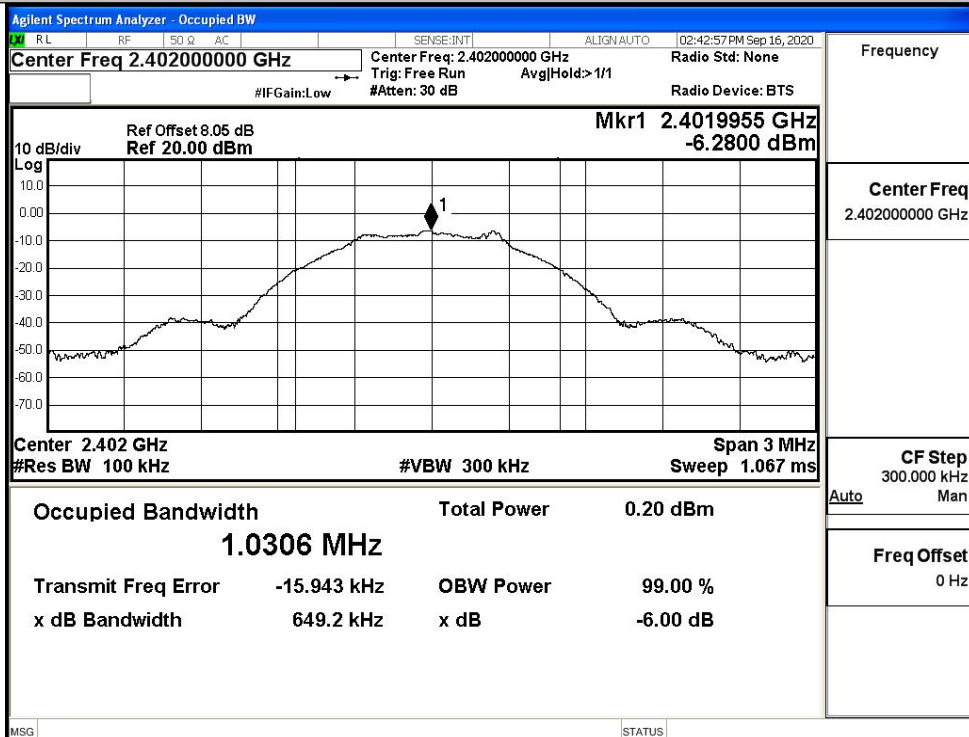


A.4 6dB Bandwidth

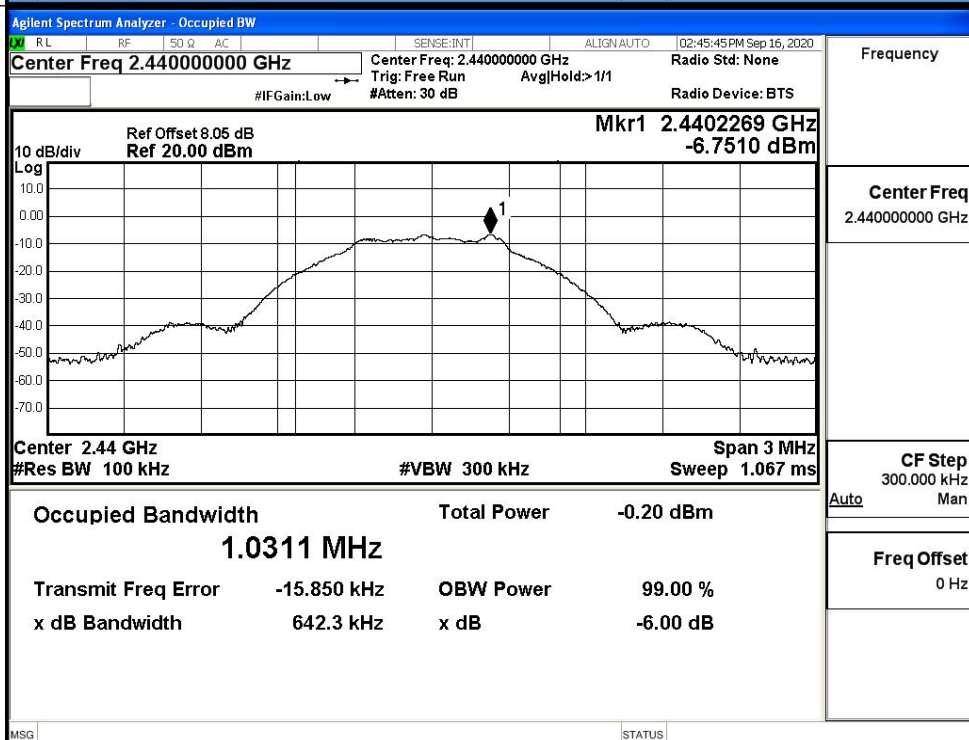
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6492	≥ 0.5	PASS
BT LE	MCH	0.6423	≥ 0.5	PASS
BT LE	HCH	0.6463	≥ 0.5	PASS

Test Graphs

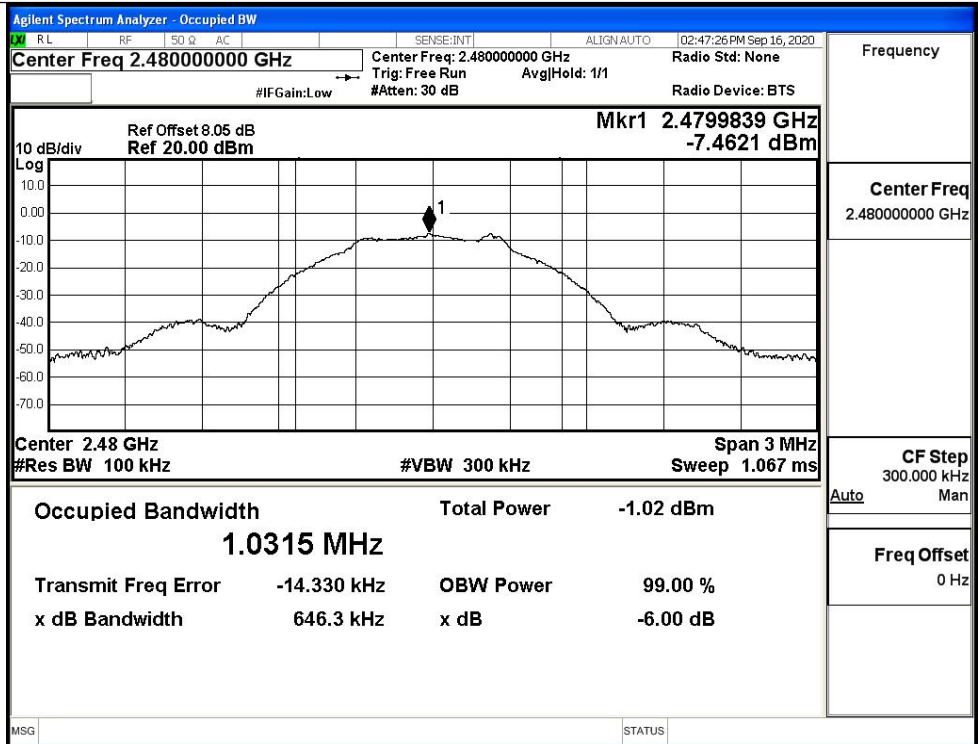
LCH



MCH



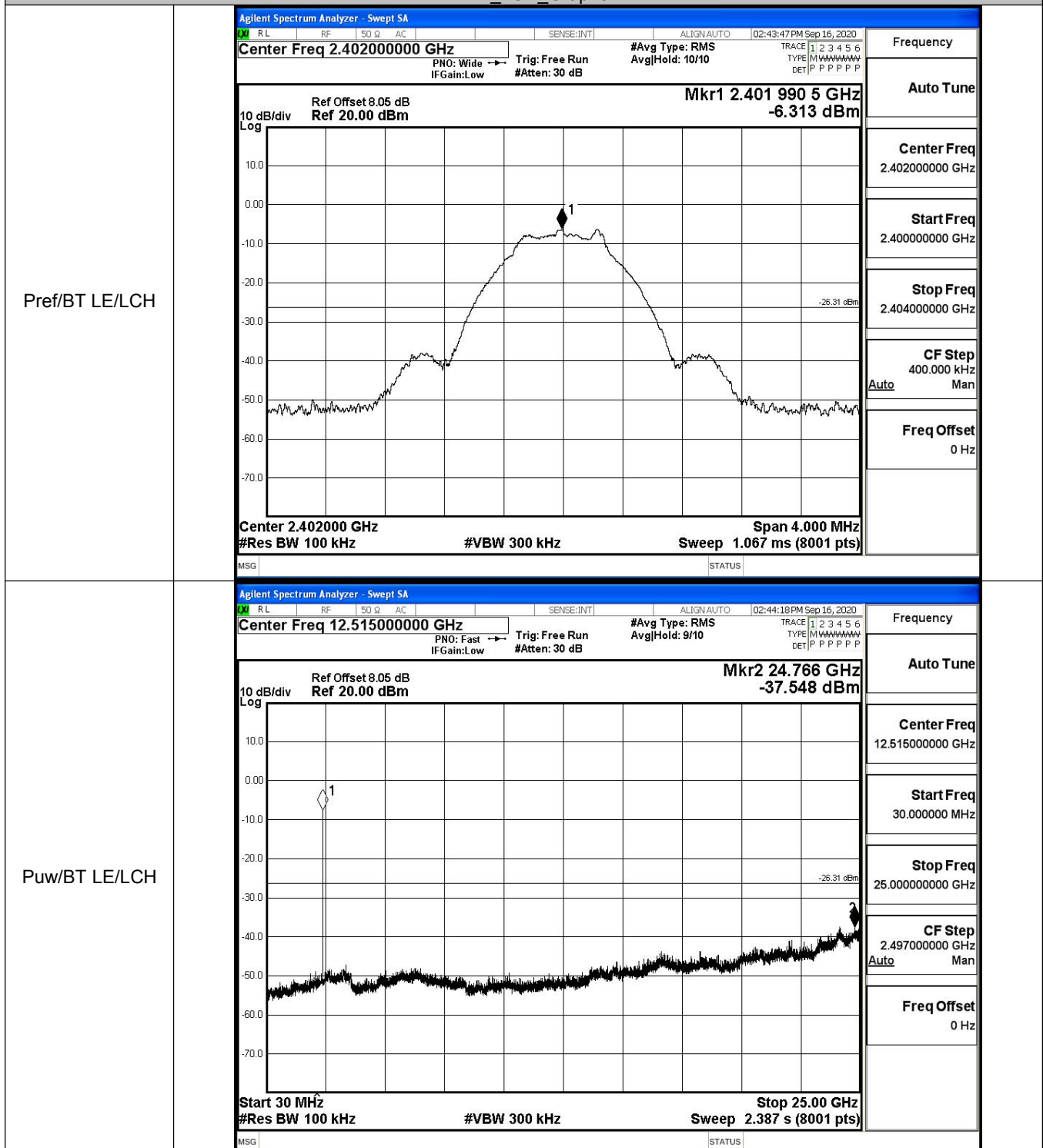
HCH



A.5 RF Conducted Spurious Emissions

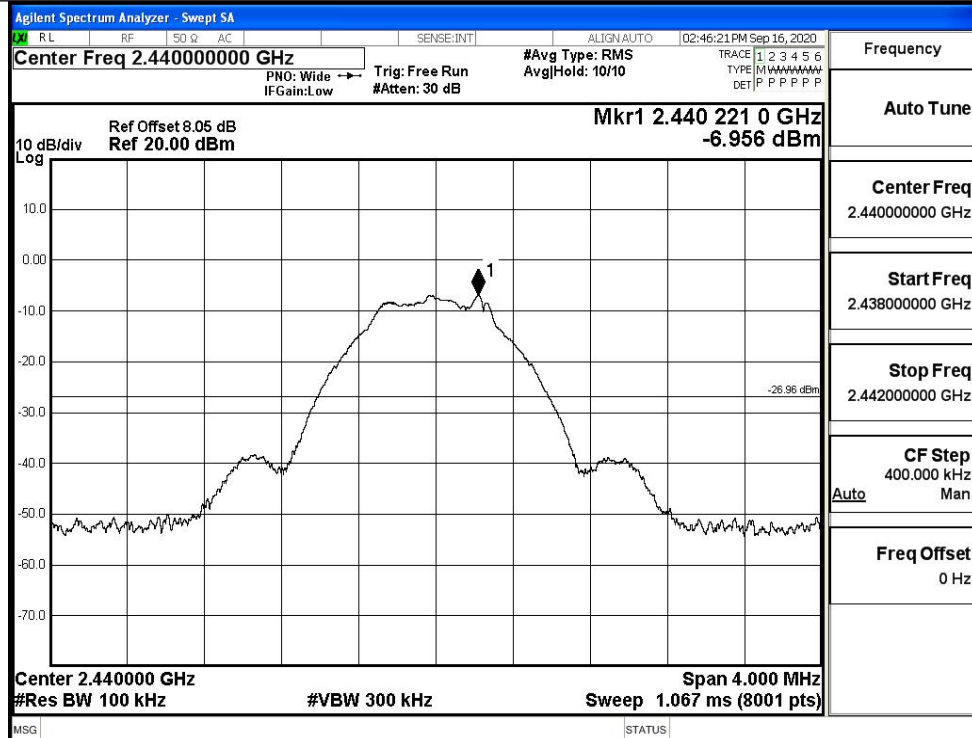
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-6.313	-37.548	-26.313	PASS
BT LE	MCH	-6.956	-37.693	-26.956	PASS
BT LE	HCH	-8.074	-36.462	-28.074	PASS

BT LE_LCH_Graphs

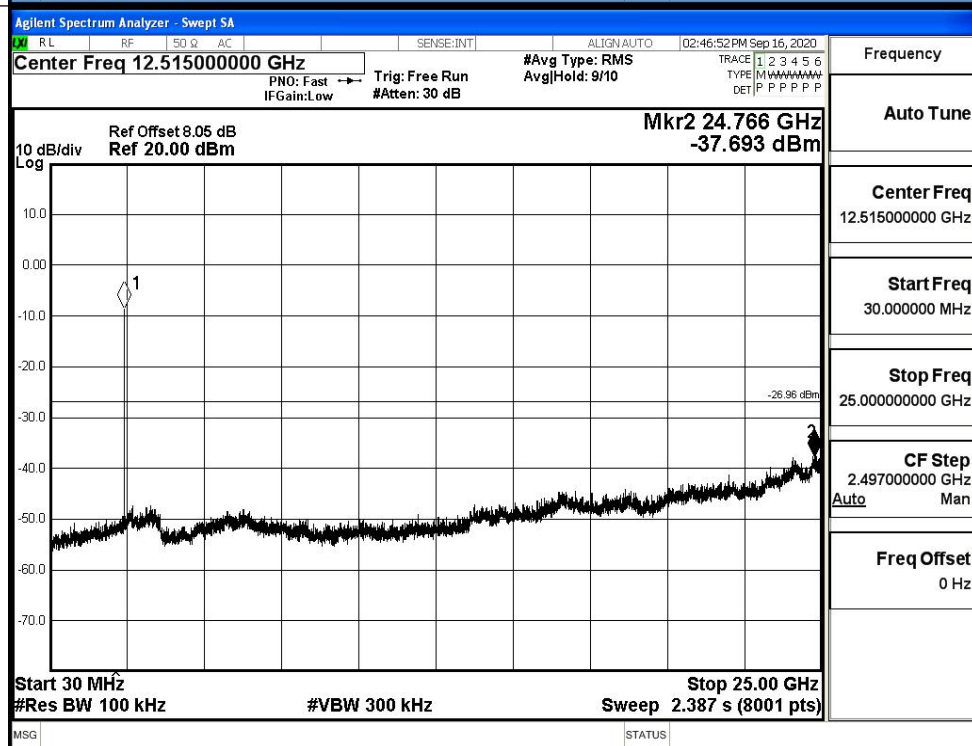


BT LE MCH Graphs

Pref/BT LE/MCH

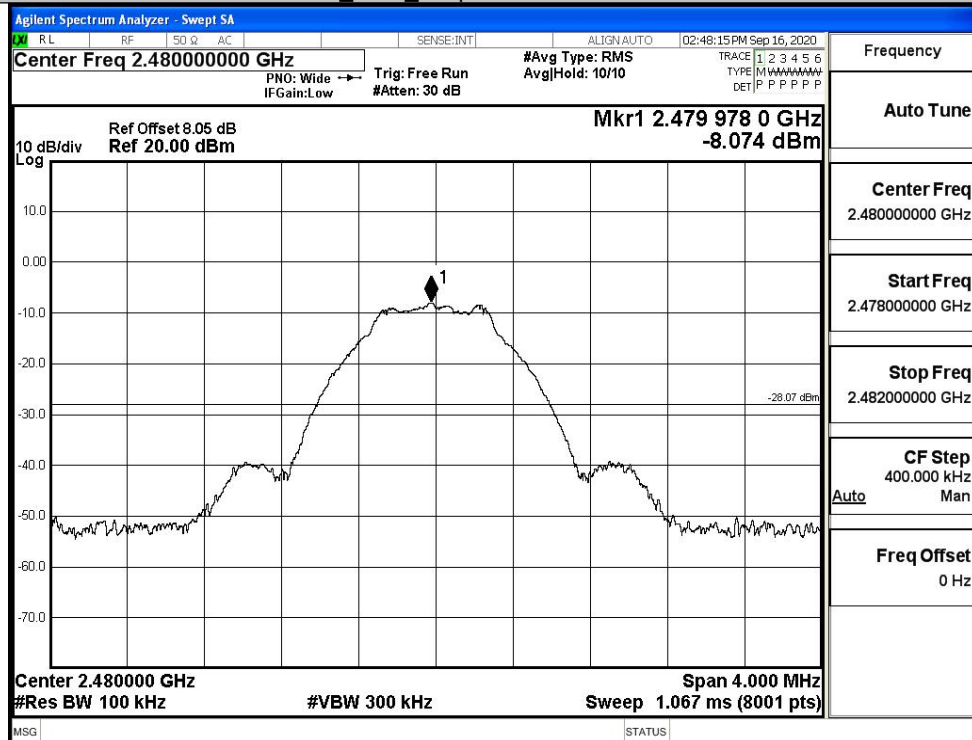


Puw/BT LE/MCH

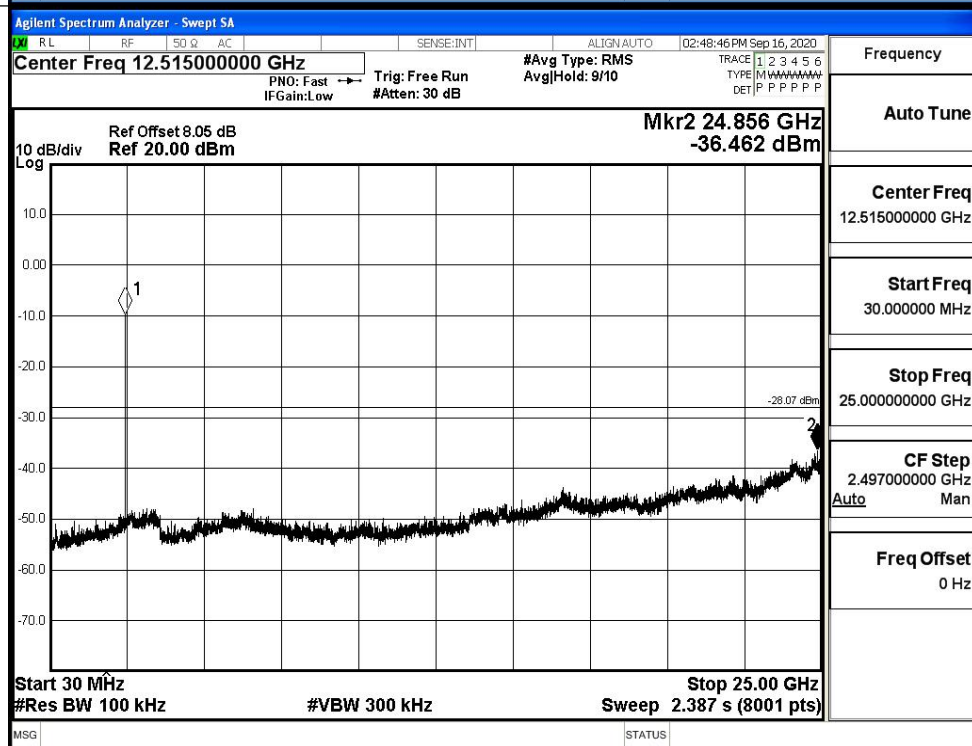


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

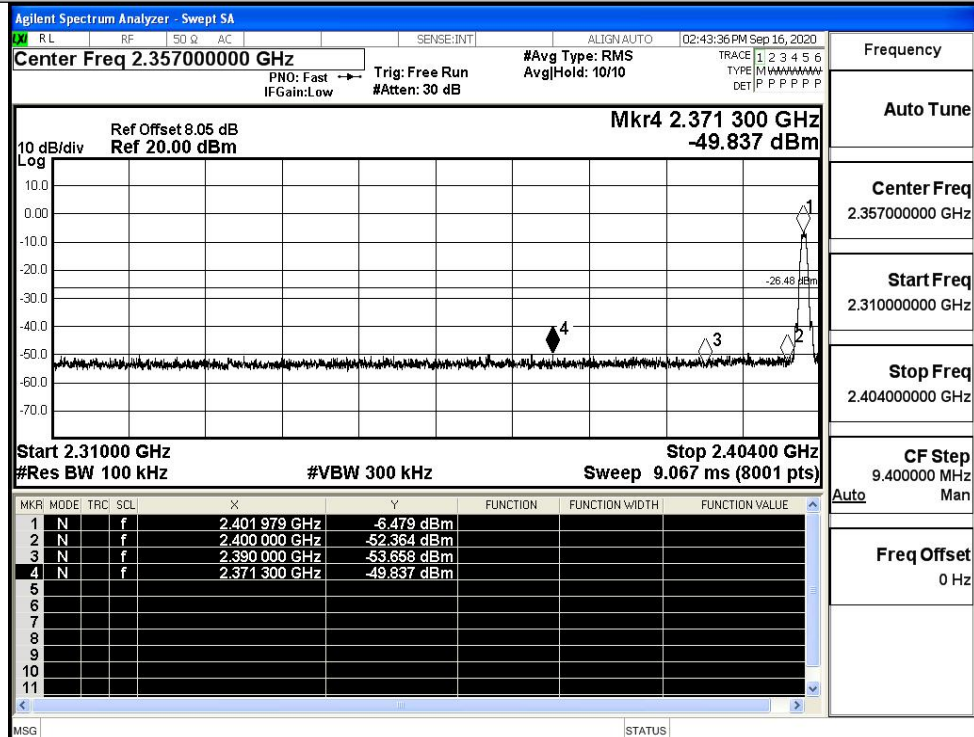


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-6.479	-49.837	-26.48	PASS
BT LE	HCH	-7.539	-48.848	-27.54	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

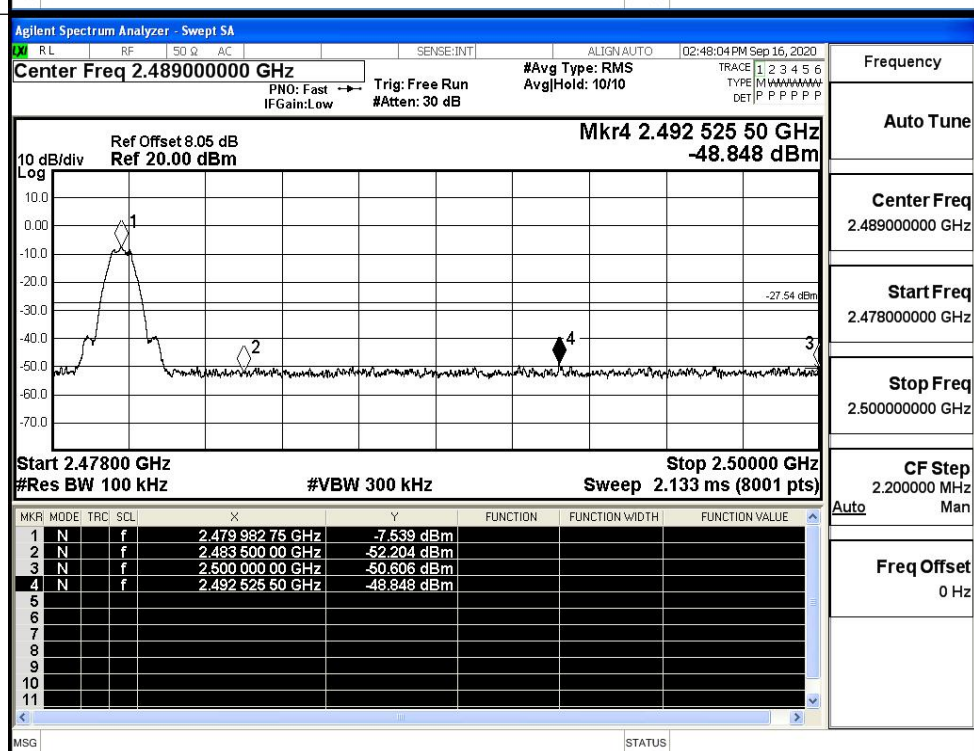
9.400000 MHz

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

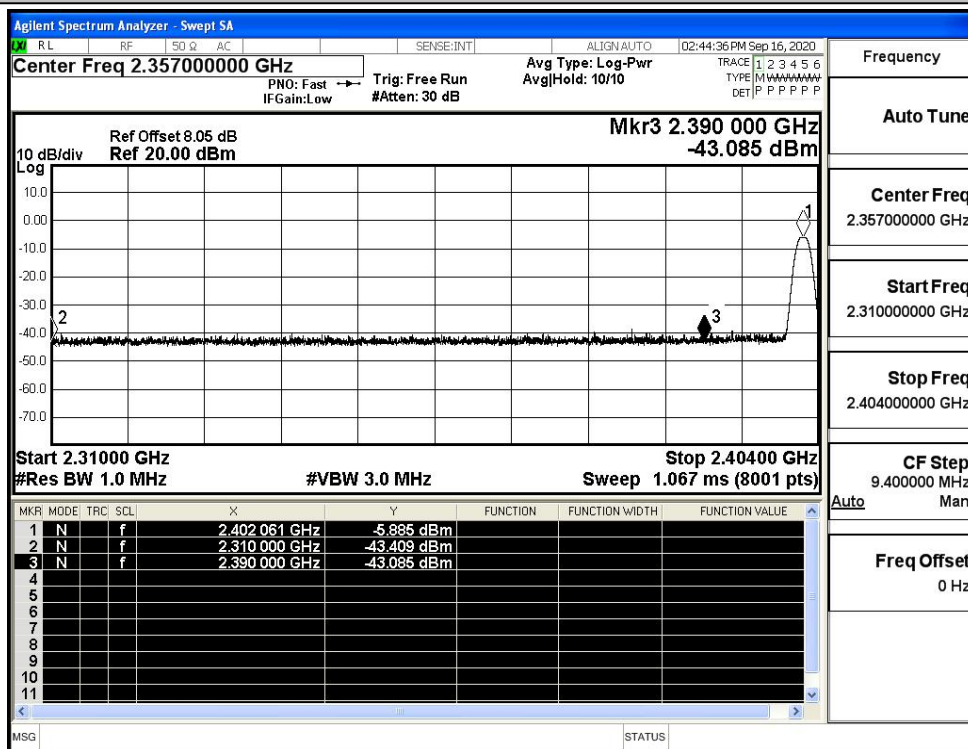
Freq Offset

0 Hz

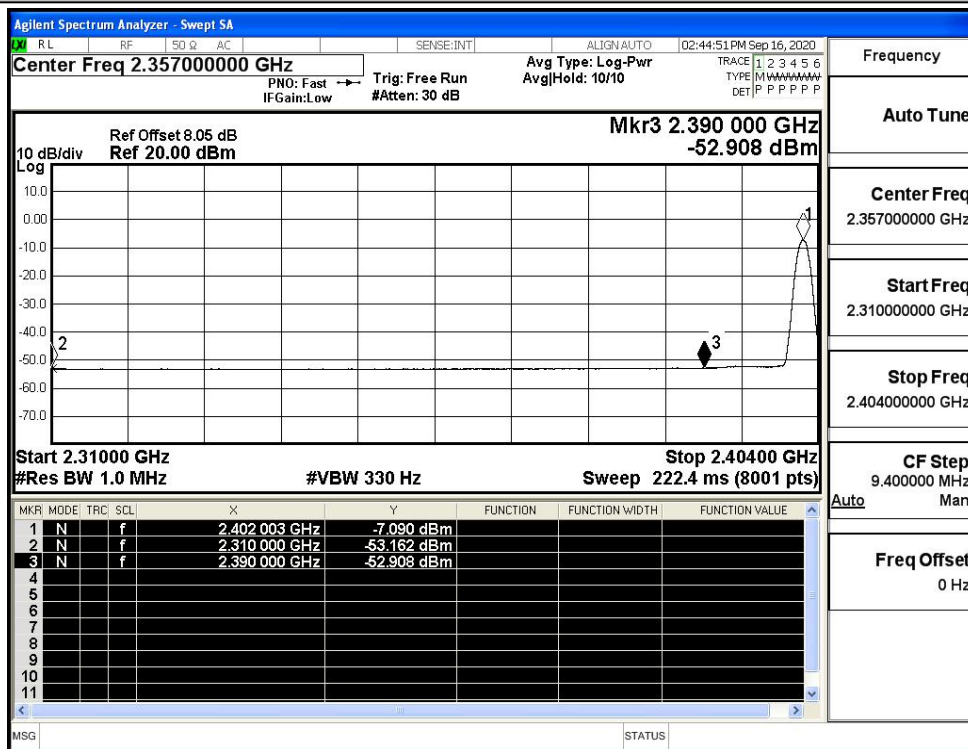
A.7 Restrict-band band-edge measurements

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	-43.41	2.5	0	54.32	PEAK	74	PASS
		Ant1	2310.0	-53.16	2.5	0	44.57	AV	54	PASS
		Ant1	2390.0	-43.09	2.5	0	54.64	PEAK	74	PASS
		Ant1	2390.0	-52.91	2.5	0	44.82	AV	54	PASS
	2480	Ant1	2483.5	-42.64	2.5	0	55.09	PEAK	74	PASS
		Ant1	2483.5	-52.25	2.5	0	45.48	AV	54	PASS
		Ant1	2500.0	-43.38	2.5	0	54.35	PEAK	74	PASS
		Ant1	2500.0	-52.17	2.5	0	45.56	AV	54	PASS

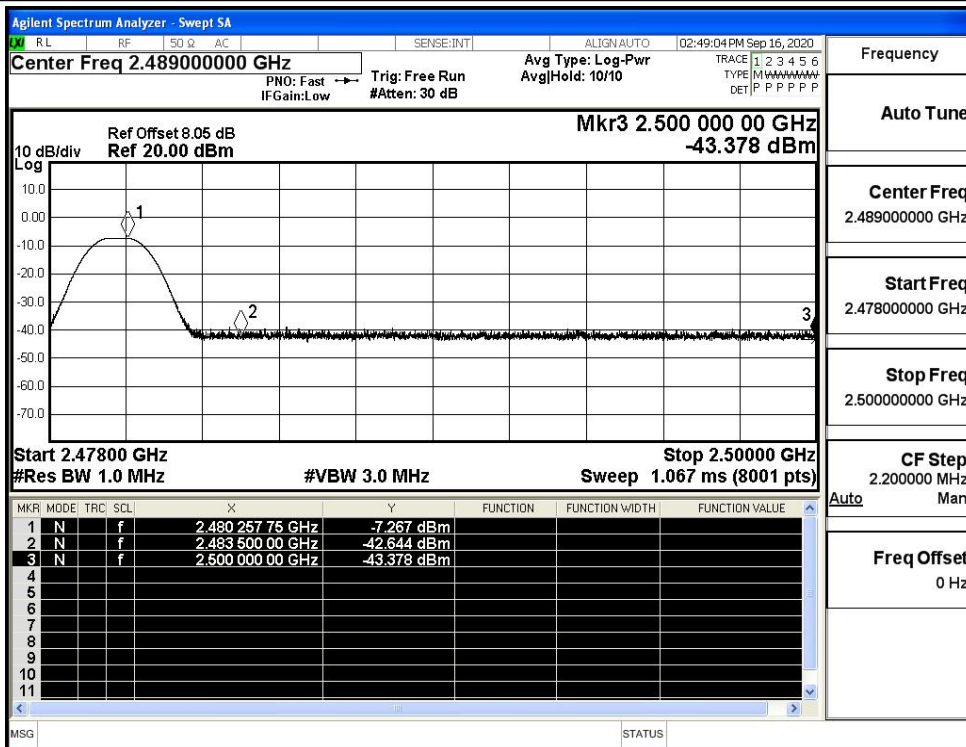
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

