

Appendix A

RF Test Data for BT 4.2(BLE) (Conducted Measurement)

Product Name: Bluetooth remote shutter

Trade Mark: JENSEN

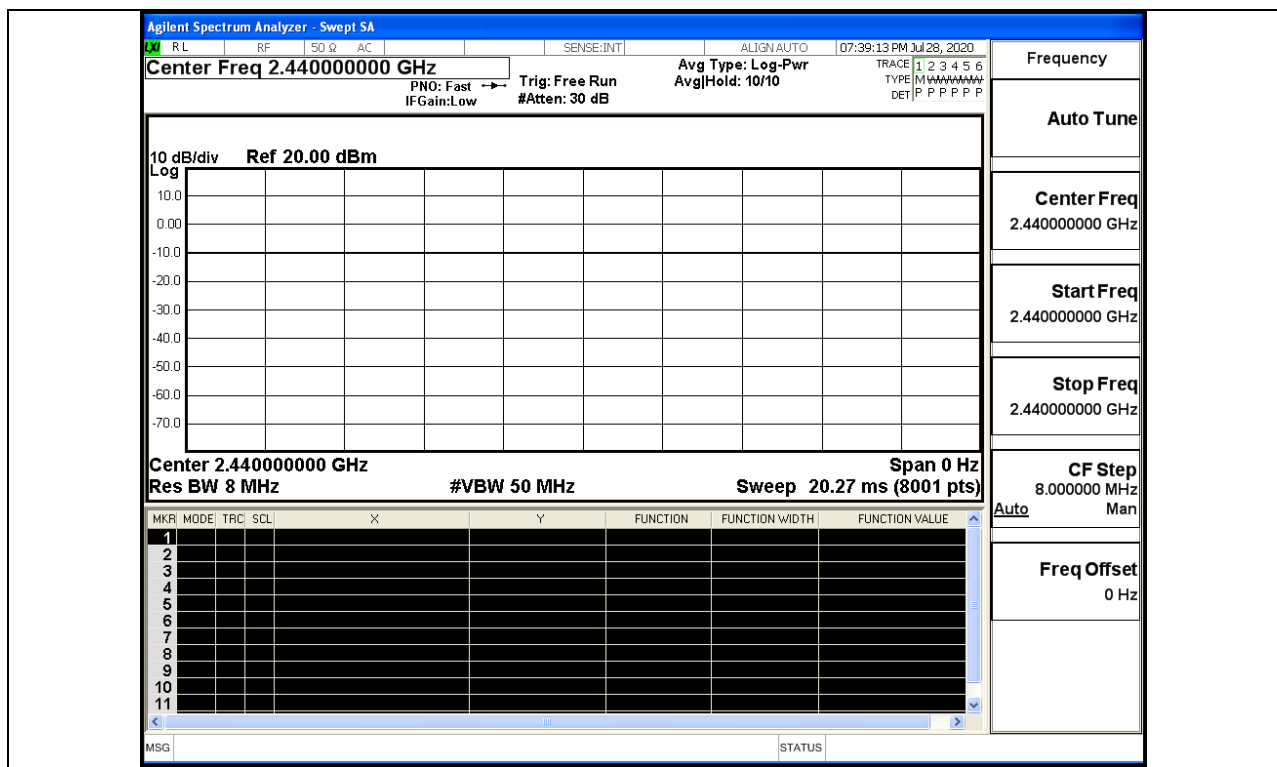
Test Model: SKL20RM

Environmental Conditions

Temperature:	22.5°C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	JAM ZHENG
Supervised by:	Li Huan

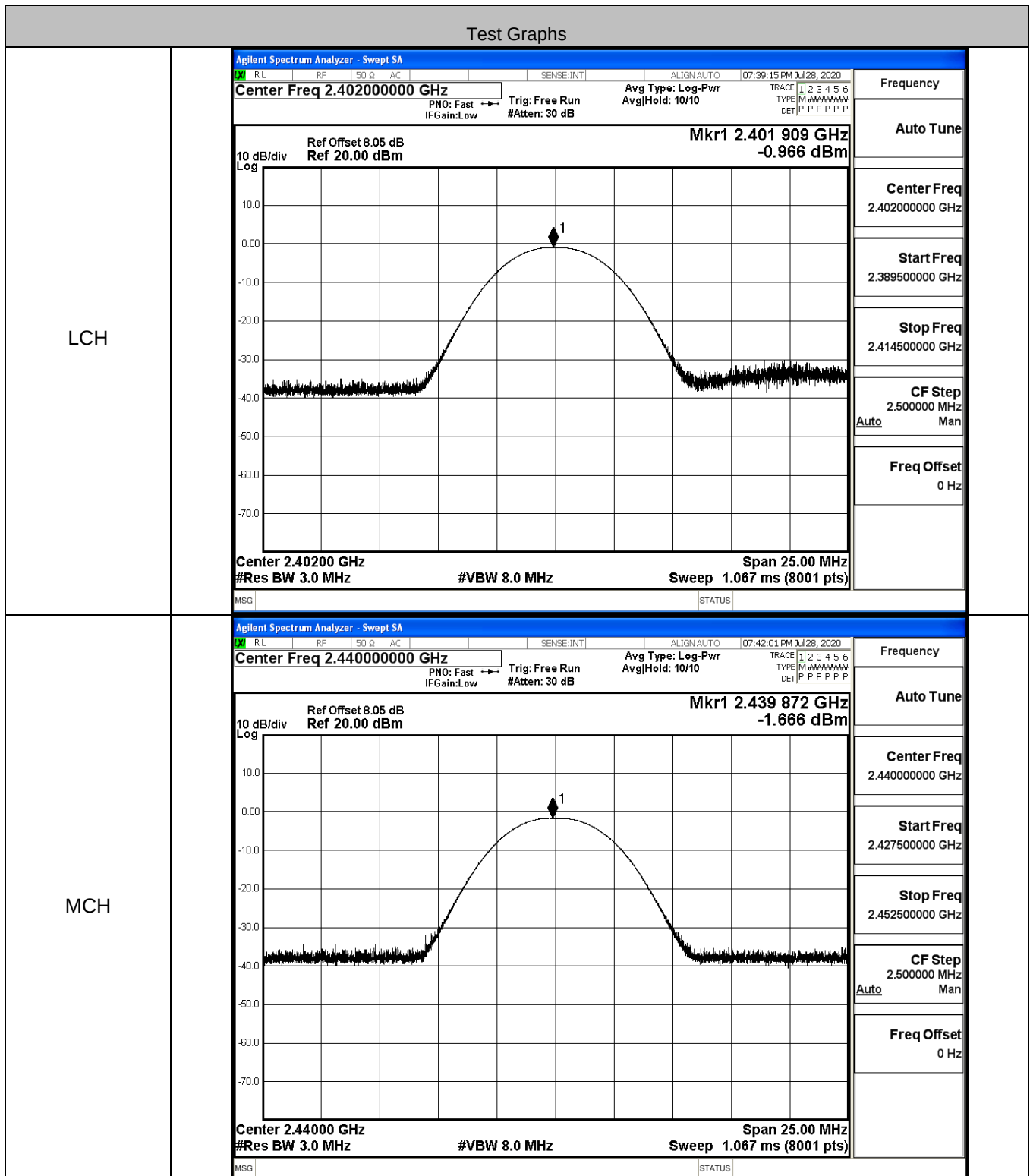
A.1 Duty Cycle

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

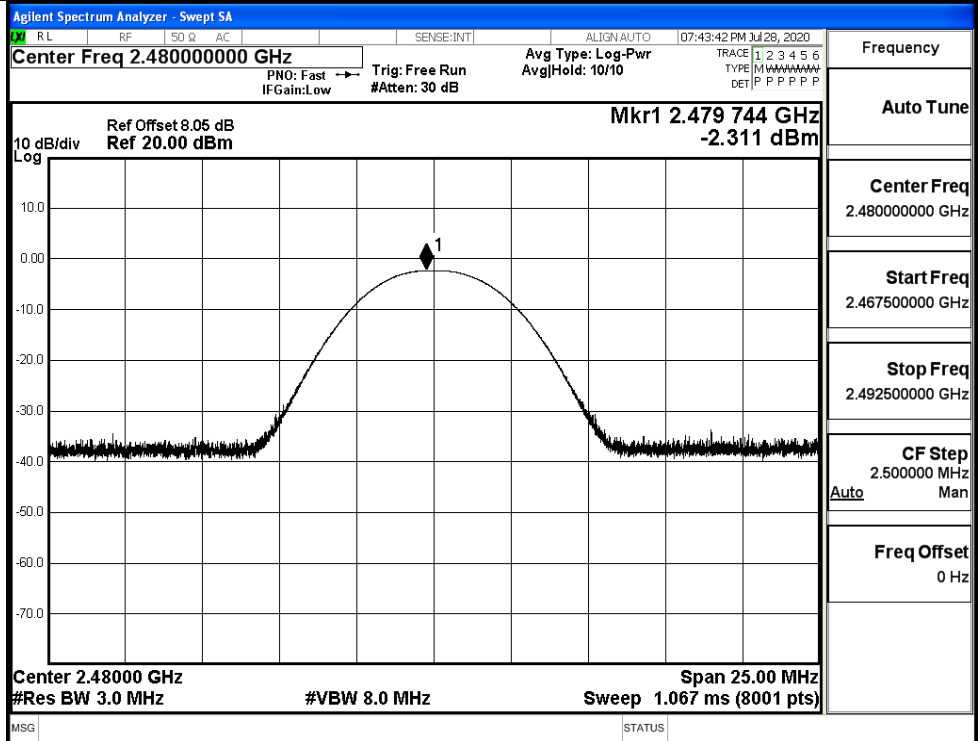


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.966	30	PASS
BT LE	MCH	-1.666	30	PASS
BT LE	HCH	-2.311	30	PASS



HCH

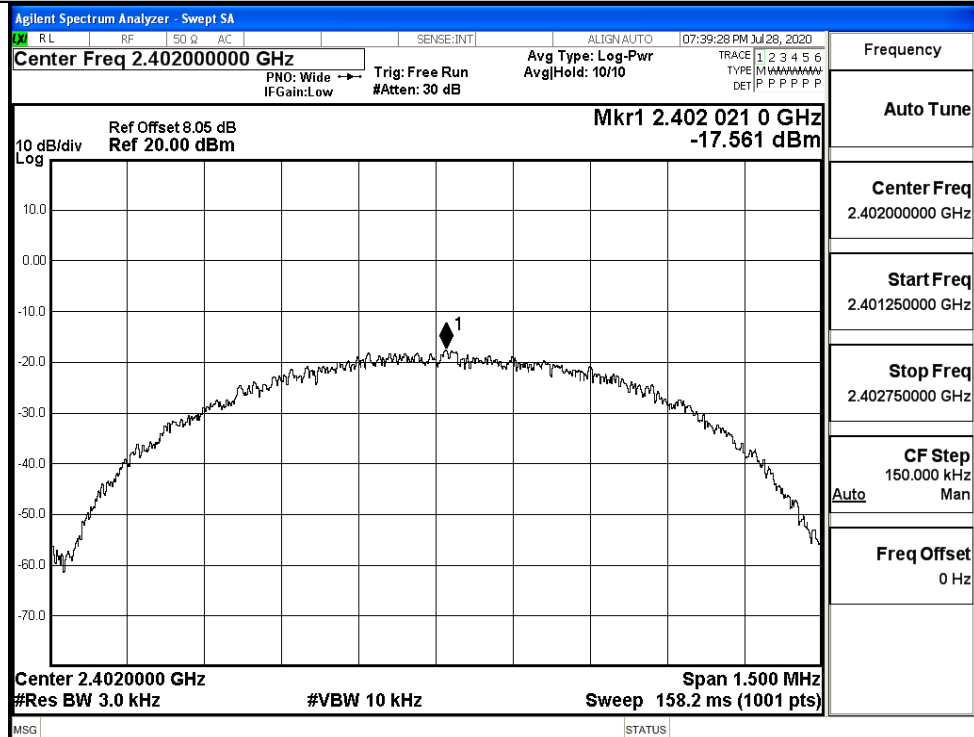


A.3 Maximum Power Spectral Density

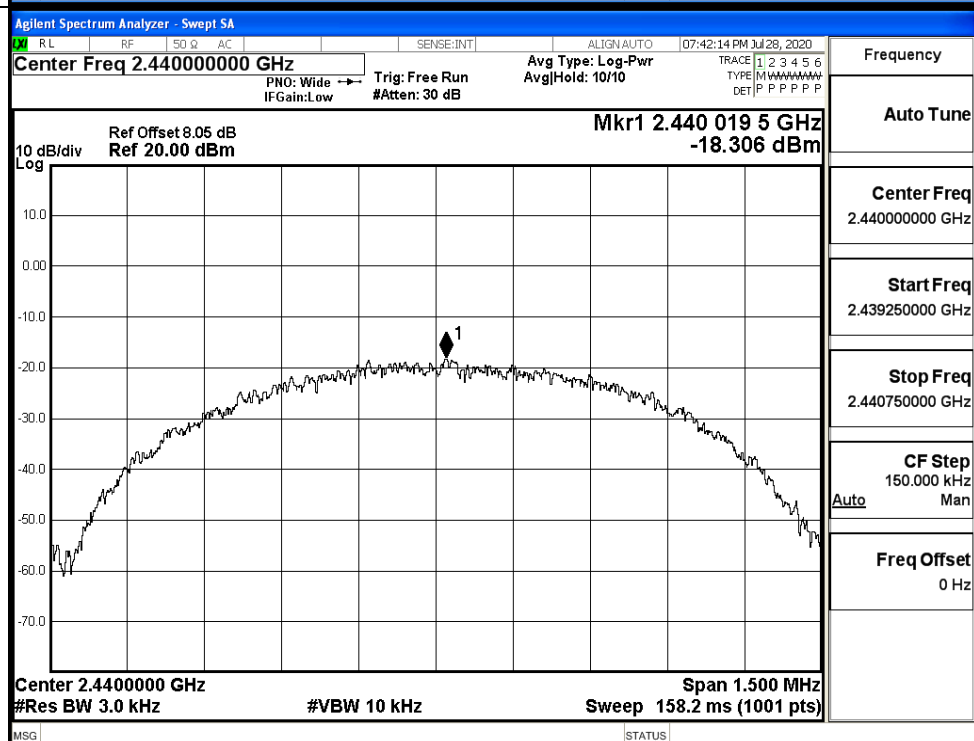
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.561	8	PASS
BT LE	MCH	-18.306	8	PASS
BT LE	HCH	-18.784	8	PASS

Test Graphs

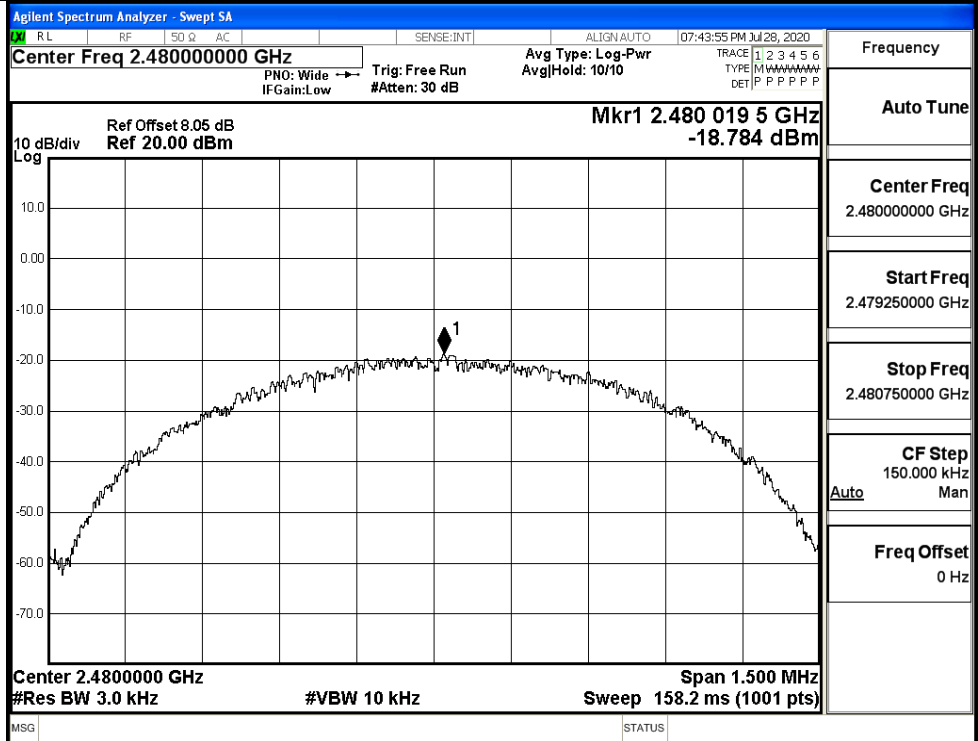
LCH



MCH



HCH

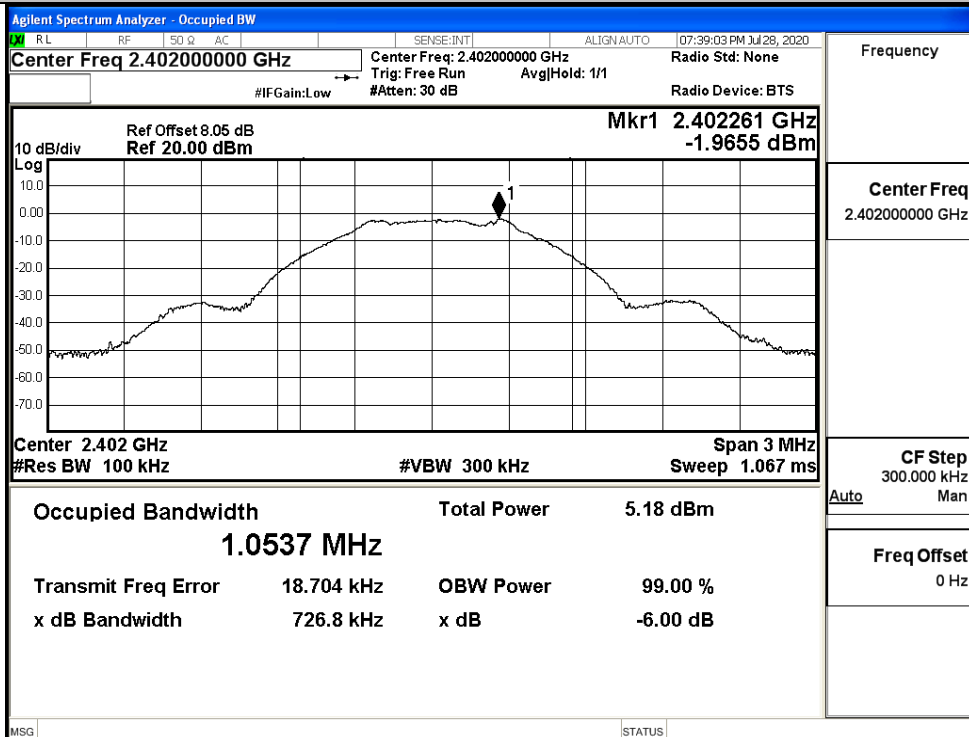


A.4 6dB Bandwidth

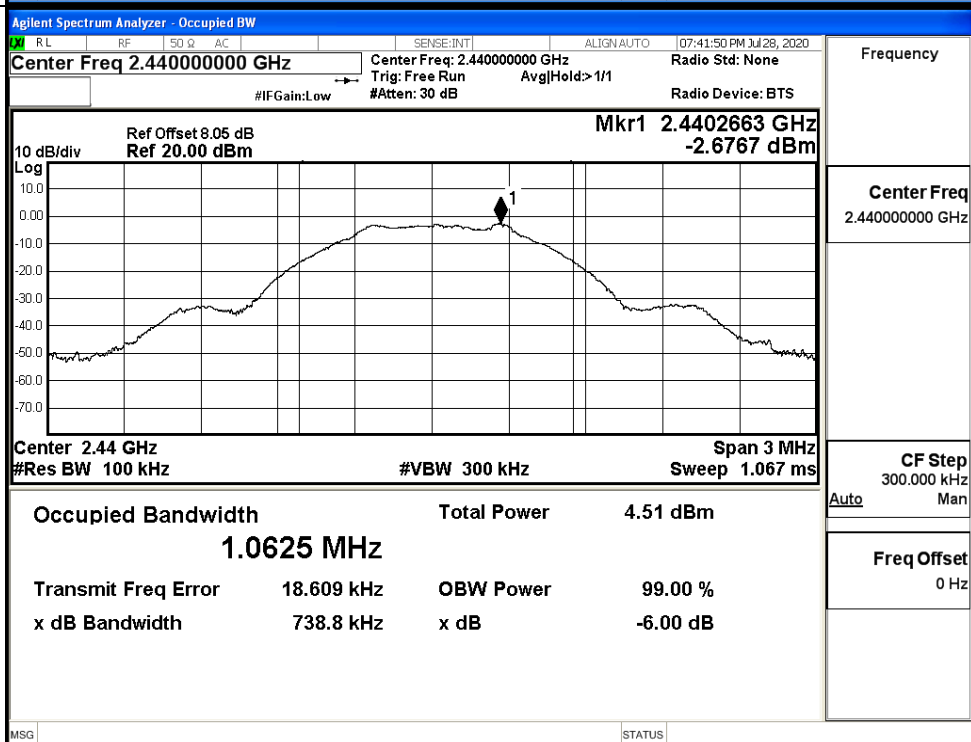
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7268	≥ 0.5	PASS
BT LE	MCH	0.7388	≥ 0.5	PASS
BT LE	HCH	0.6968	≥ 0.5	PASS

Test Graphs

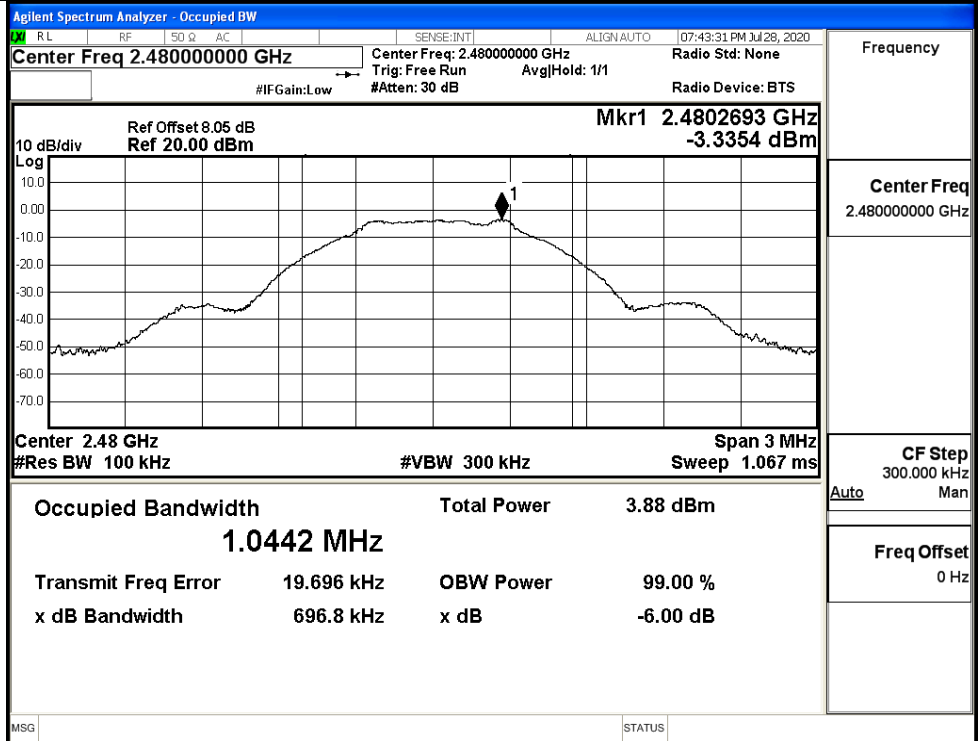
LCH



MCH



HCH

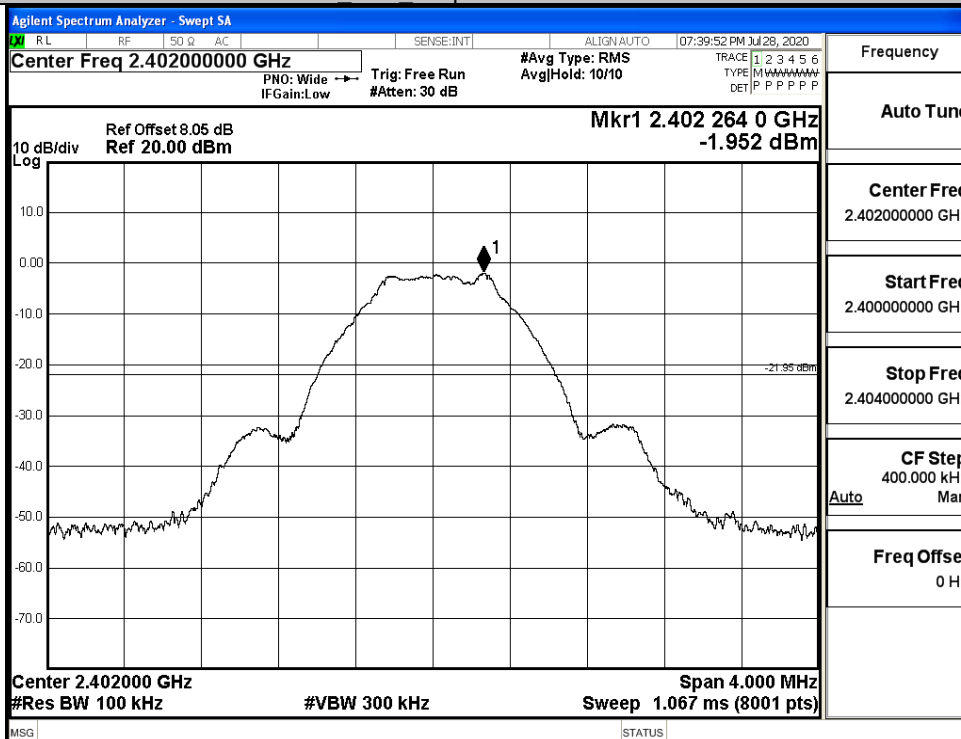


A.6 RF Conducted Spurious Emissions

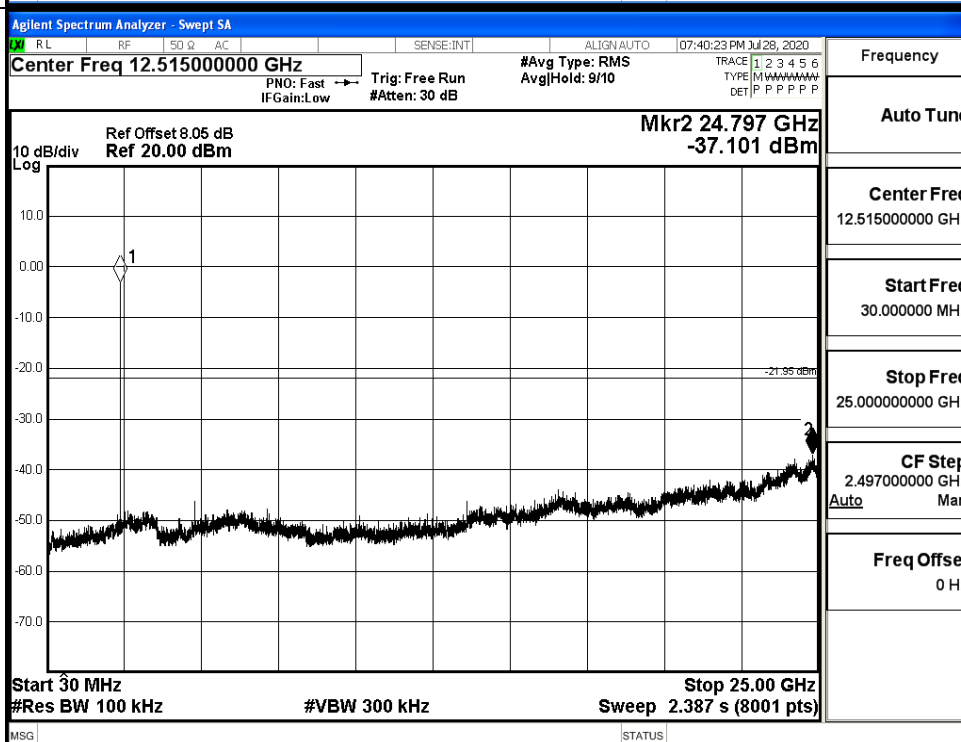
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.952	-37.101	-21.952	PASS
BT LE	MCH	-2.668	-37.861	-22.668	PASS
BT LE	HCH	-3.371	-36.939	-23.371	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

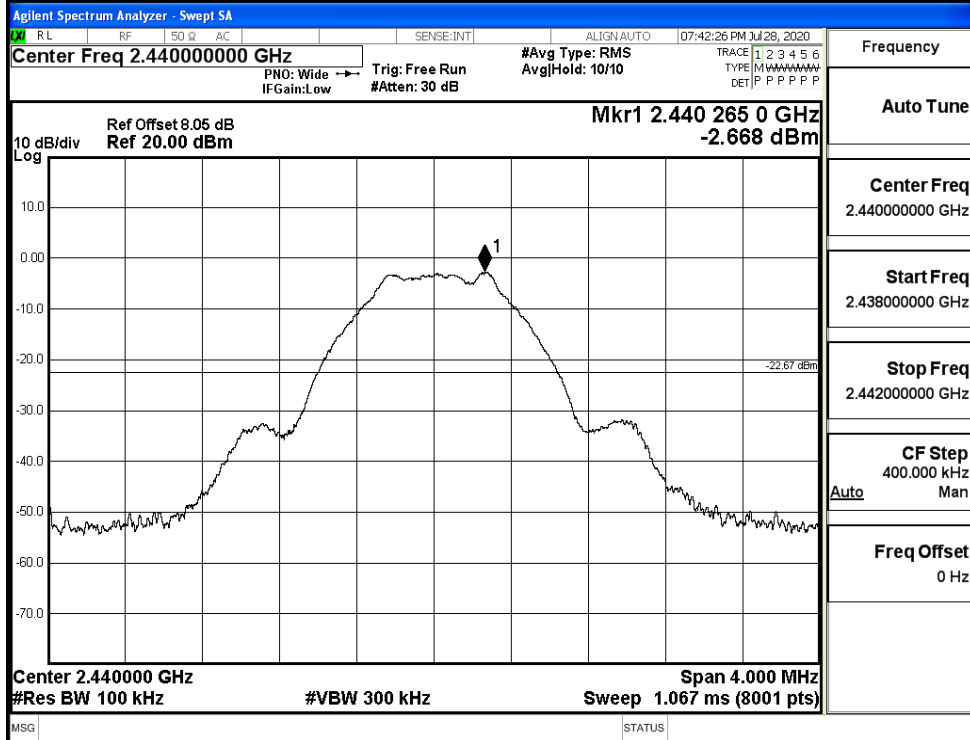


Puw/BT LE/LCH

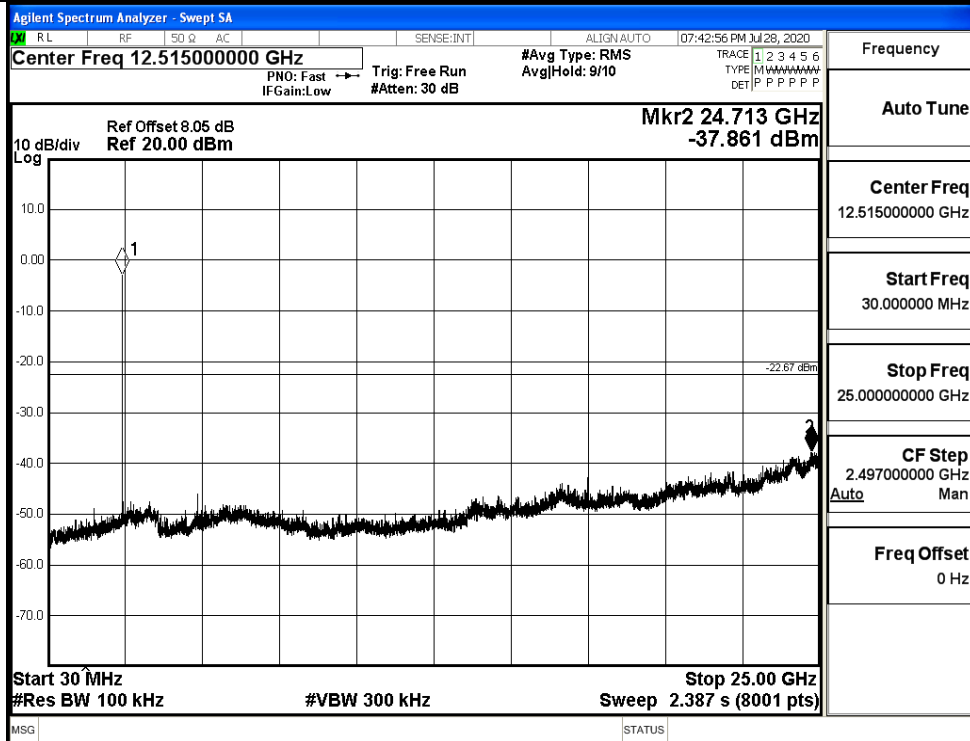


BT LE MCH Graphs

Pref/BT LE/MCH

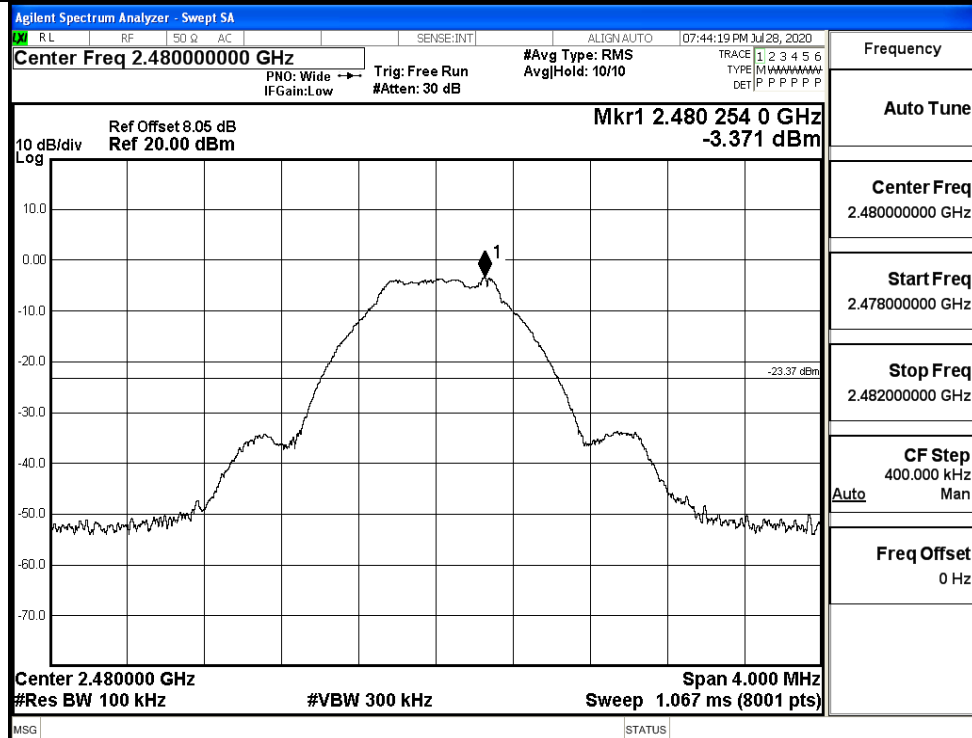


Puw/BT LE/MCH

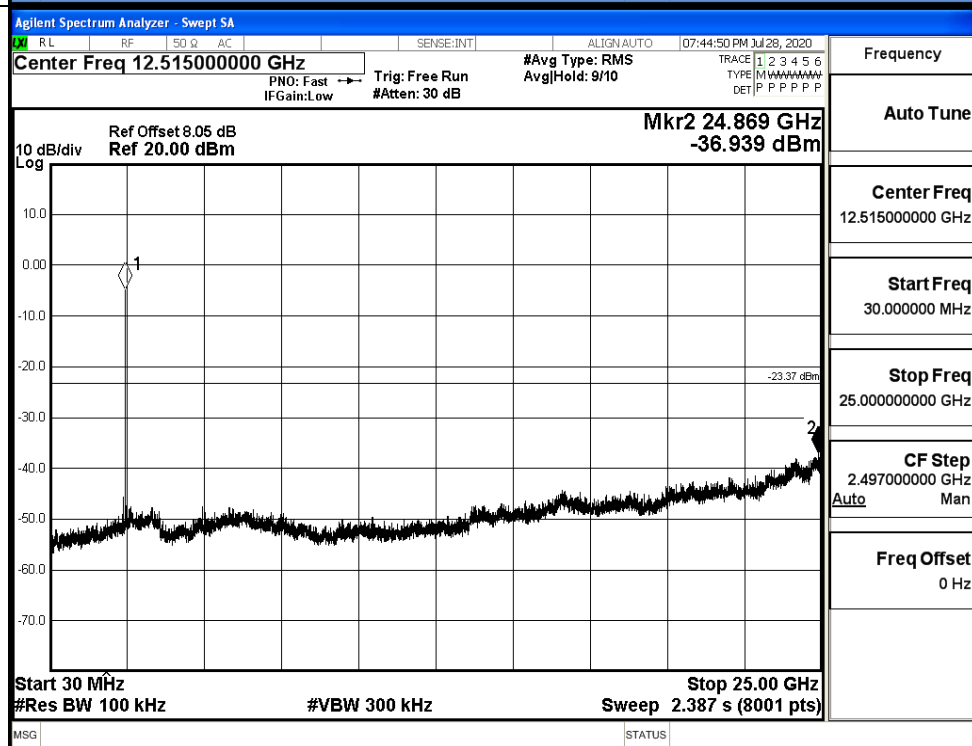


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

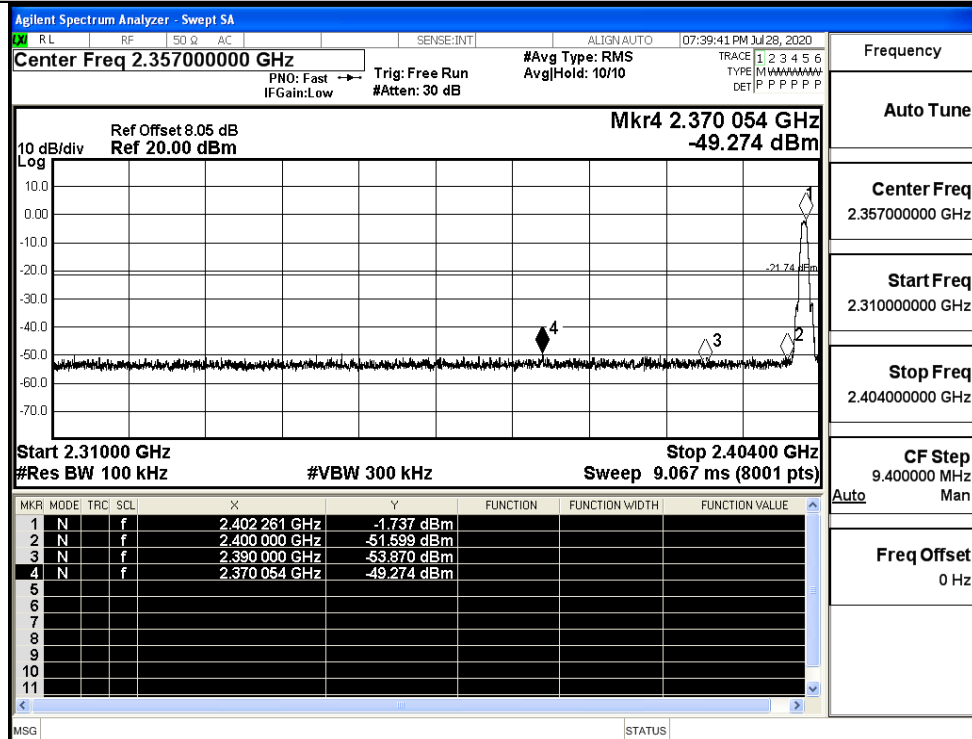


A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.737	-49.274	-21.74	PASS
BT LE	HCH	-3.082	-49.382	-23.08	PASS

Test Graphs

LCH

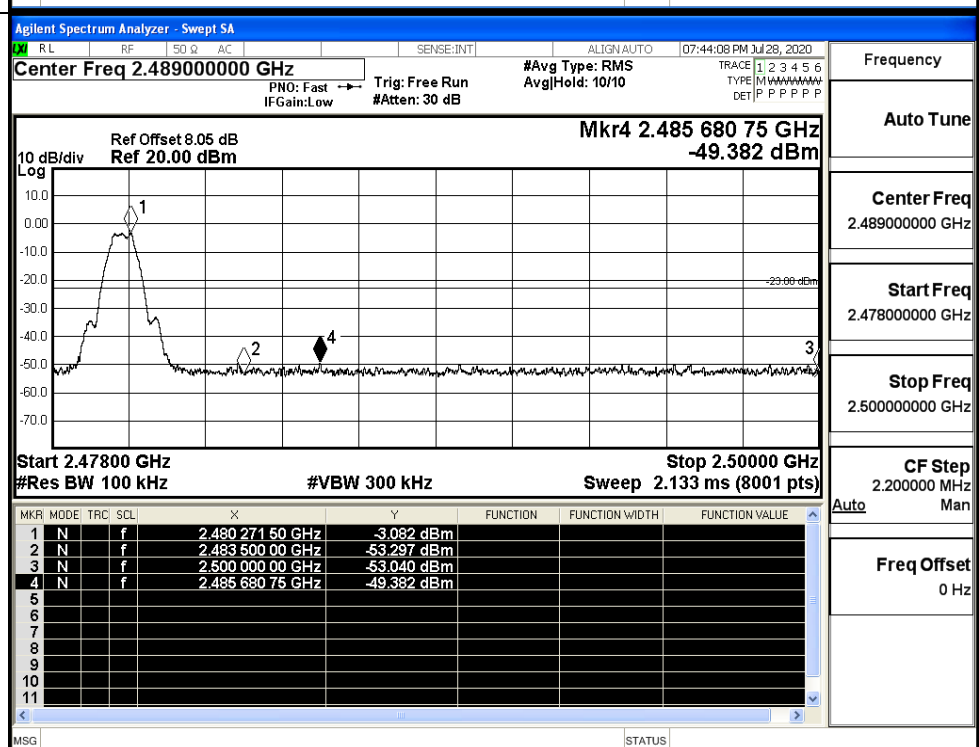


Frequency

Auto Tune

Center Freq
2.357000000 GHzStart Freq
2.310000000 GHzStop Freq
2.404000000 GHzCF Step
9.400000 MHz
Auto ManFreq Offset
0 Hz

HCH



Frequency

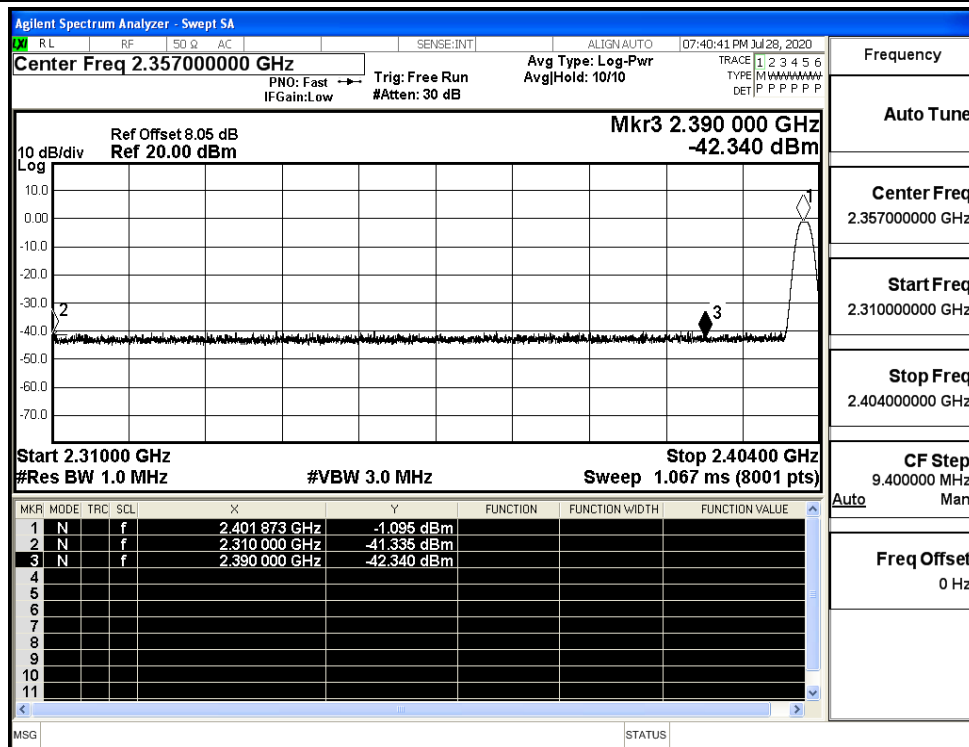
Auto Tune

Center Freq
2.489000000 GHzStart Freq
2.478000000 GHzStop Freq
2.500000000 GHzCF Step
2.200000 MHz
Auto ManFreq Offset
0 Hz

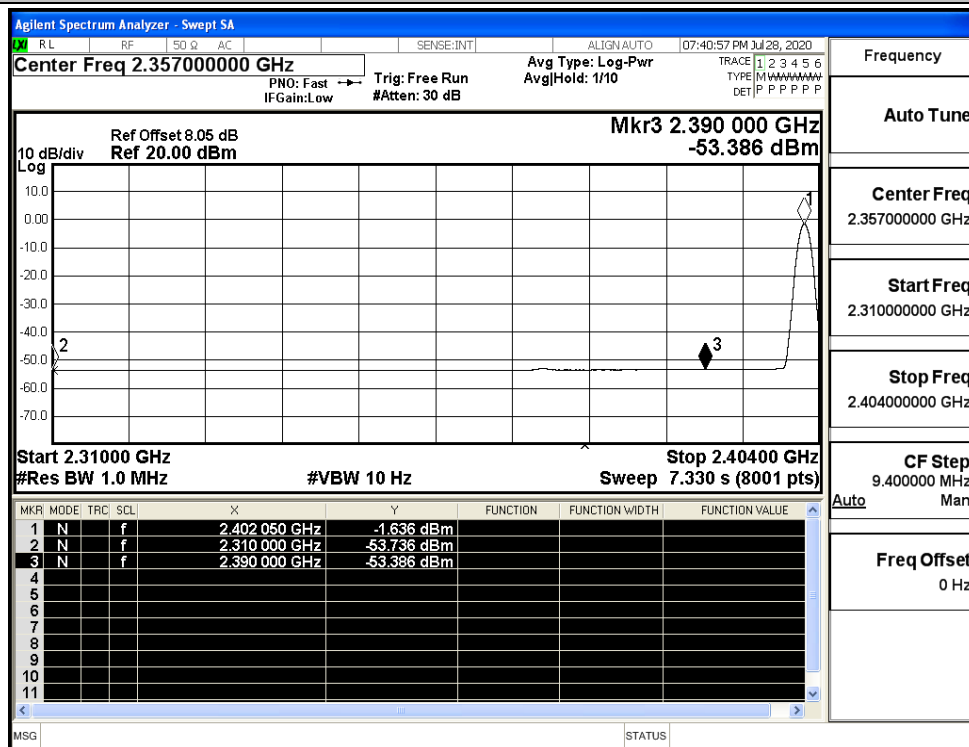
AS.8 Restrict-band band-edge measurements

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	-41.34	2.0	0	53.92	PEAK	74	PASS
		Ant1	2310.0	-53.74	2.0	0	41.52	AV	54	PASS
		Ant1	2390.0	-42.34	2.0	0	52.92	PEAK	74	PASS
		Ant1	2390.0	-53.39	2.0	0	41.87	AV	54	PASS
	2480	Ant1	2483.5	-42.39	2.0	0	52.87	PEAK	74	PASS
		Ant1	2483.5	-52.84	2.0	0	42.42	AV	54	PASS
		Ant1	2500.0	-41.95	2.0	0	53.30	PEAK	74	PASS
		Ant1	2500.0	-52.71	2.0	0	42.54	AV	54	PASS

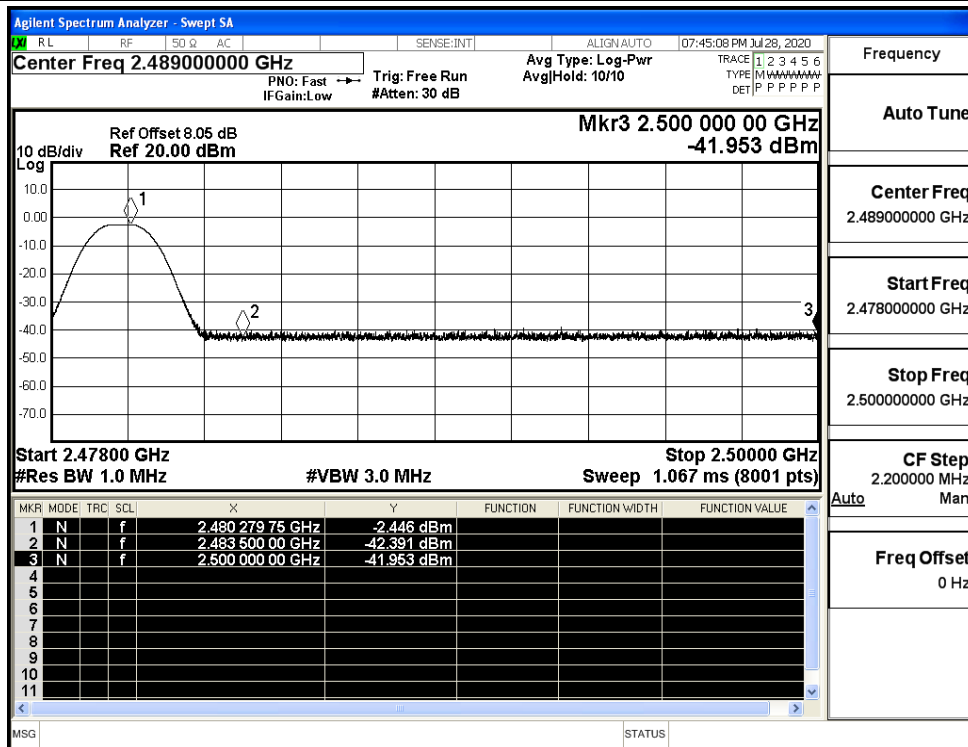
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

