

Appendix B

RF Test Data for BLE (Conducted Measurement)

Product Name: 14.1" Windows Laptop

Trade Mark: N/A

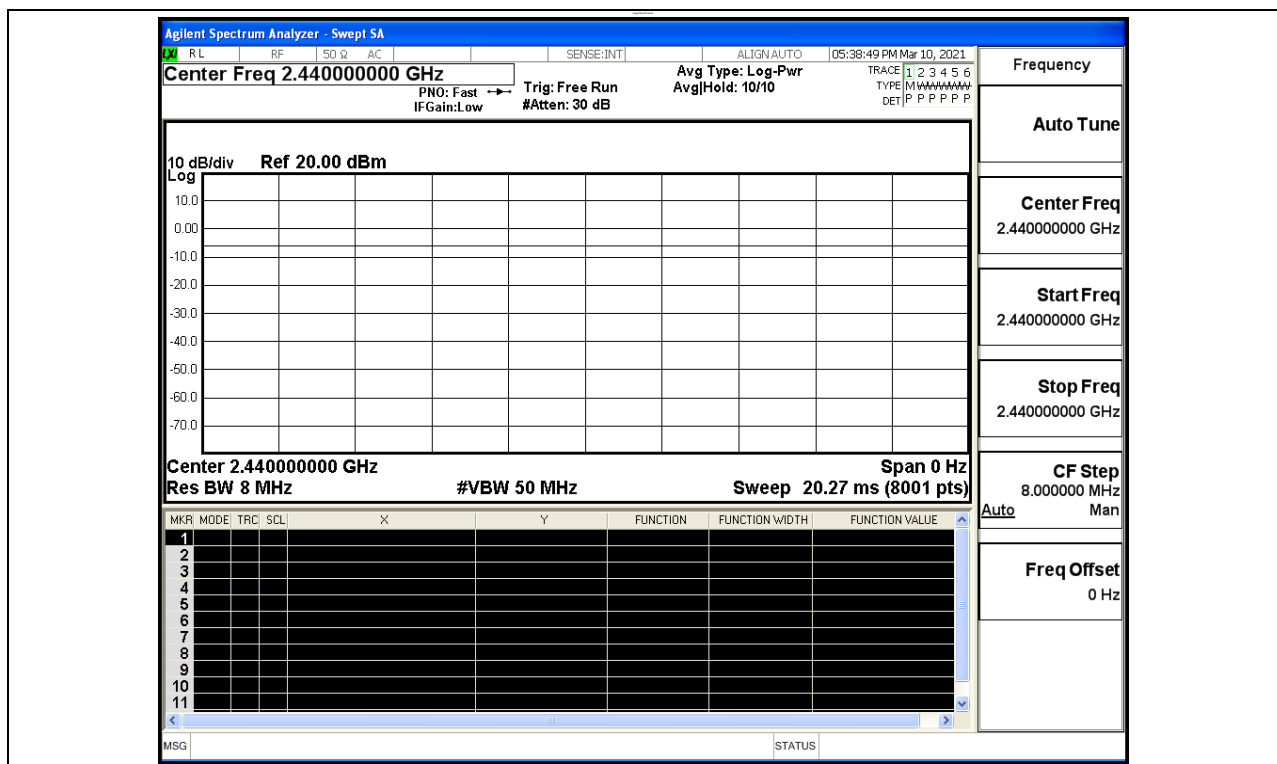
Test Model: HT14CCIC81ES

Environmental Conditions

Temperature:	24.8° C
Relative Humidity:	56.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Ben Jin
Supervised by:	Li Huan

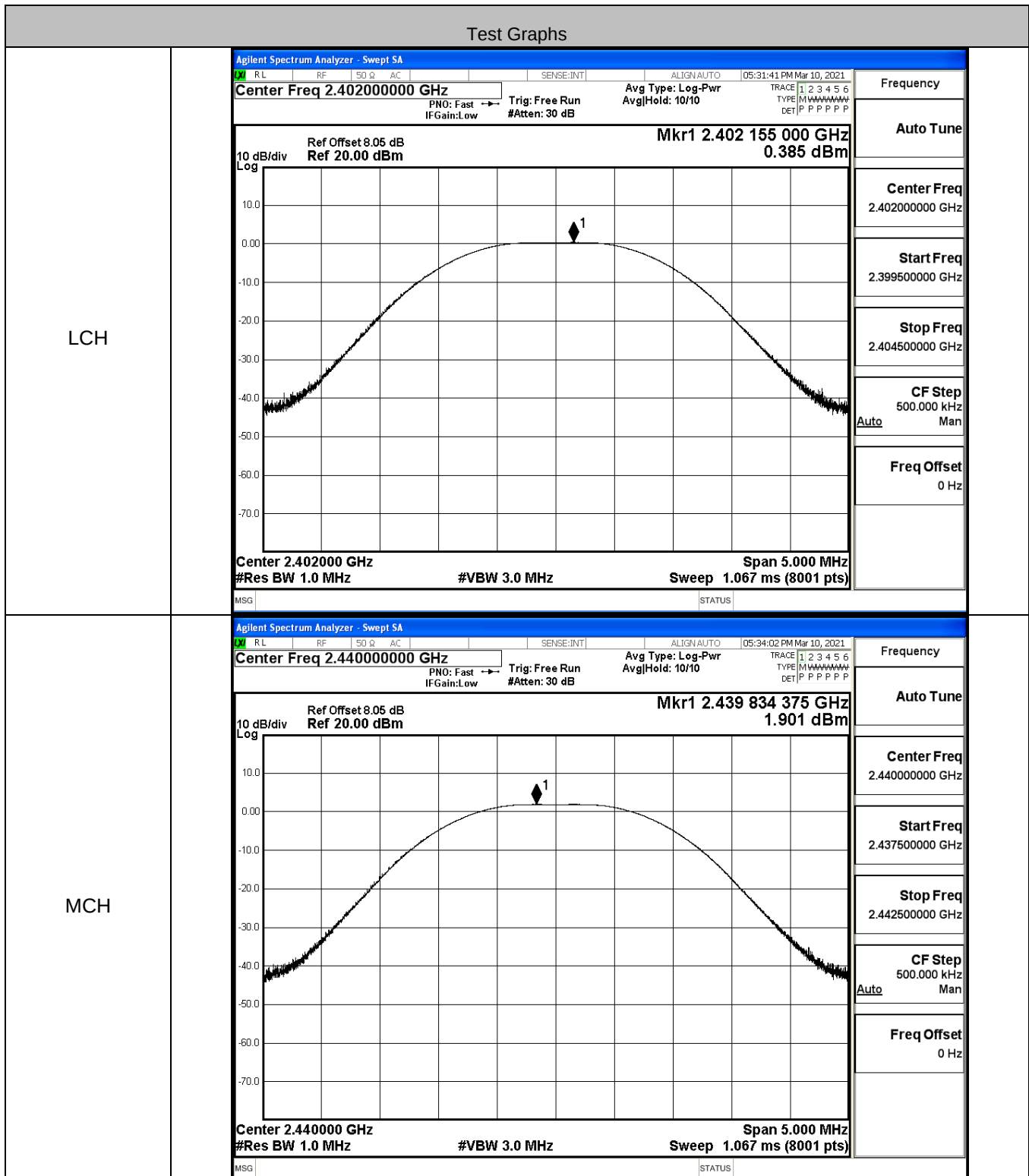
B.1 Duty Cycle

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

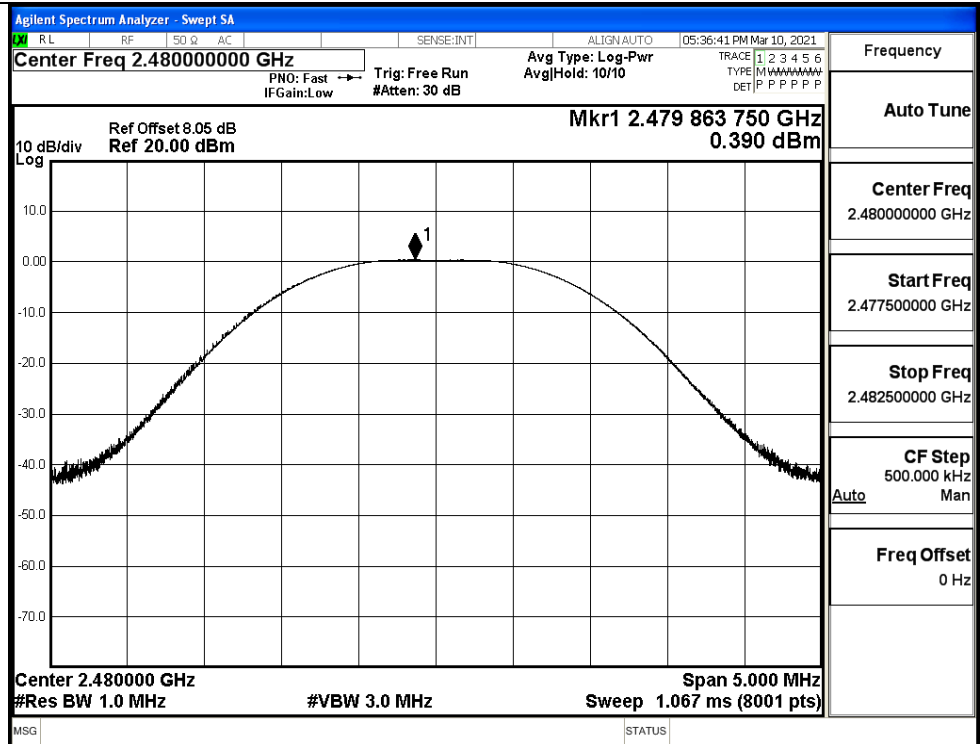


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.385	30	PASS
BT LE	MCH	1.901	30	PASS
BT LE	HCH	0.39	30	PASS



HCH

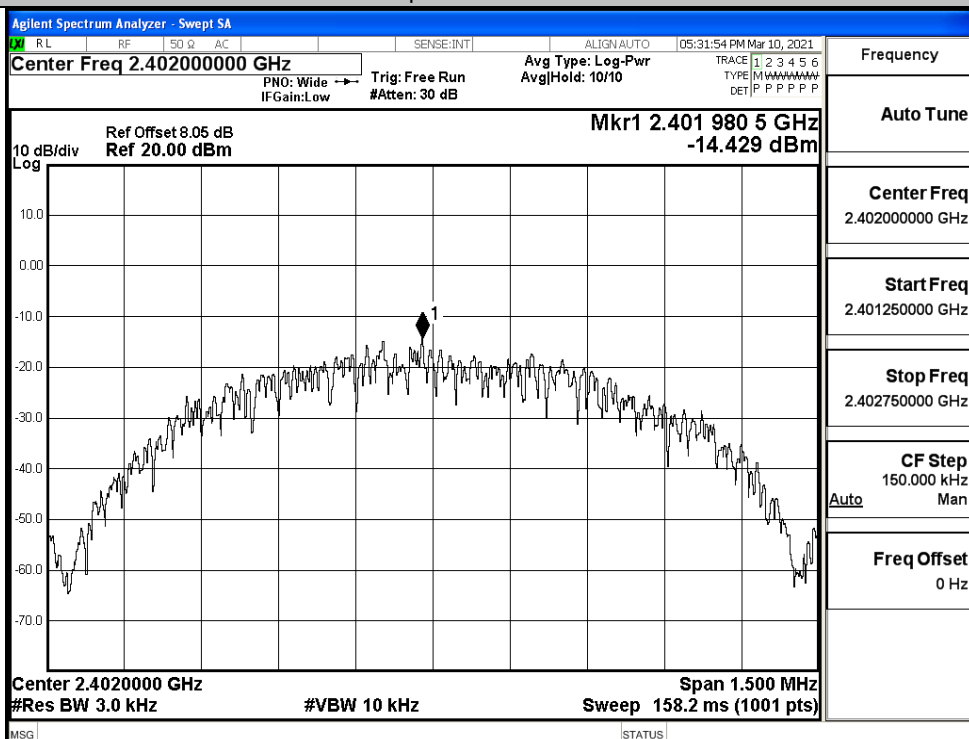


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.429	8	PASS
BT LE	MCH	-12.785	8	PASS
BT LE	HCH	-14.362	8	PASS

Test Graphs

LCH

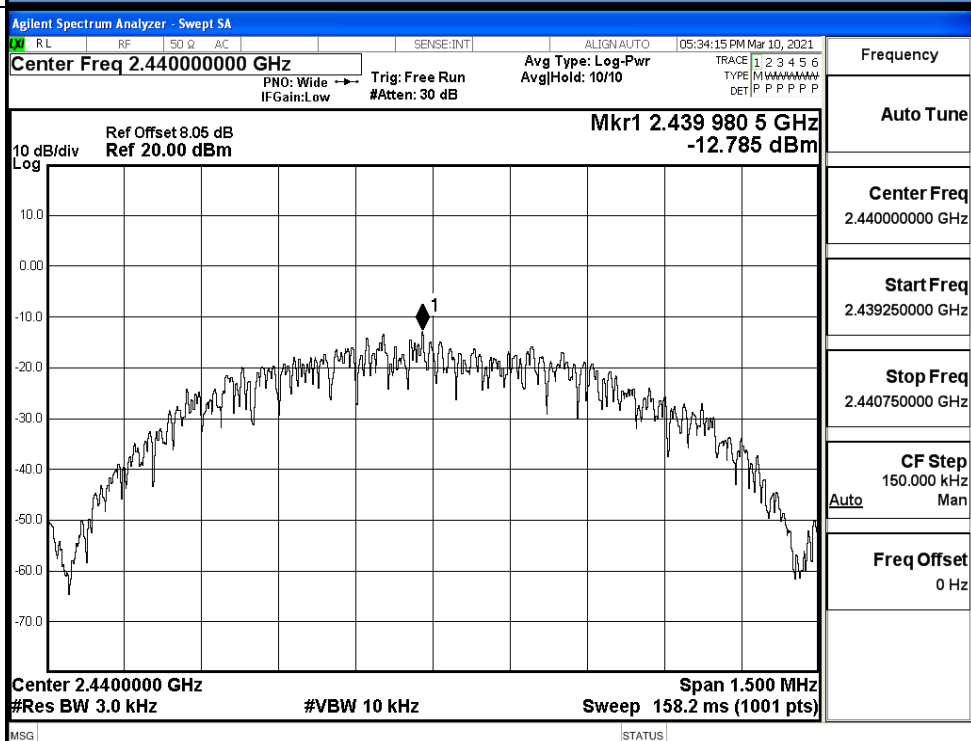


Frequency

Auto Tune

Center Freq
2.402000000 GHzStart Freq
2.401250000 GHzStop Freq
2.402750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

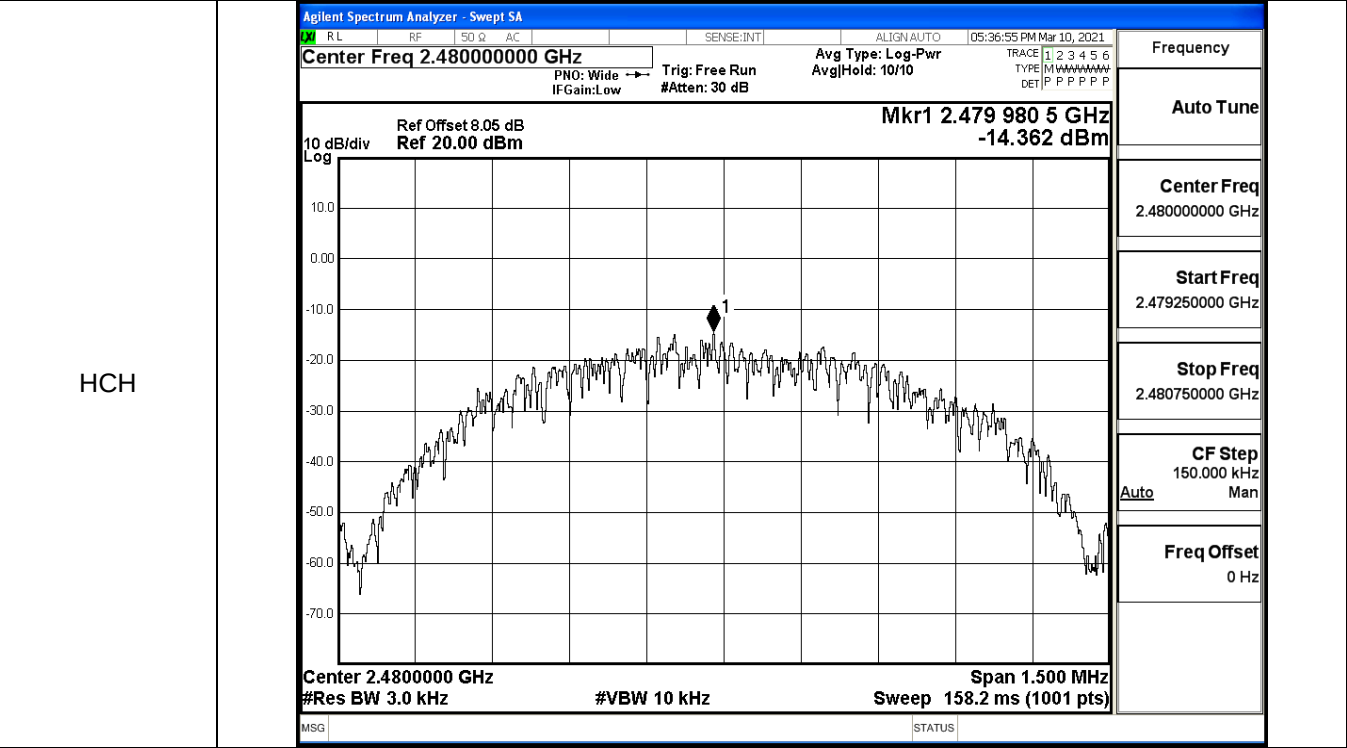
MCH



Frequency

Auto Tune

Center Freq
2.440000000 GHzStart Freq
2.439250000 GHzStop Freq
2.440750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

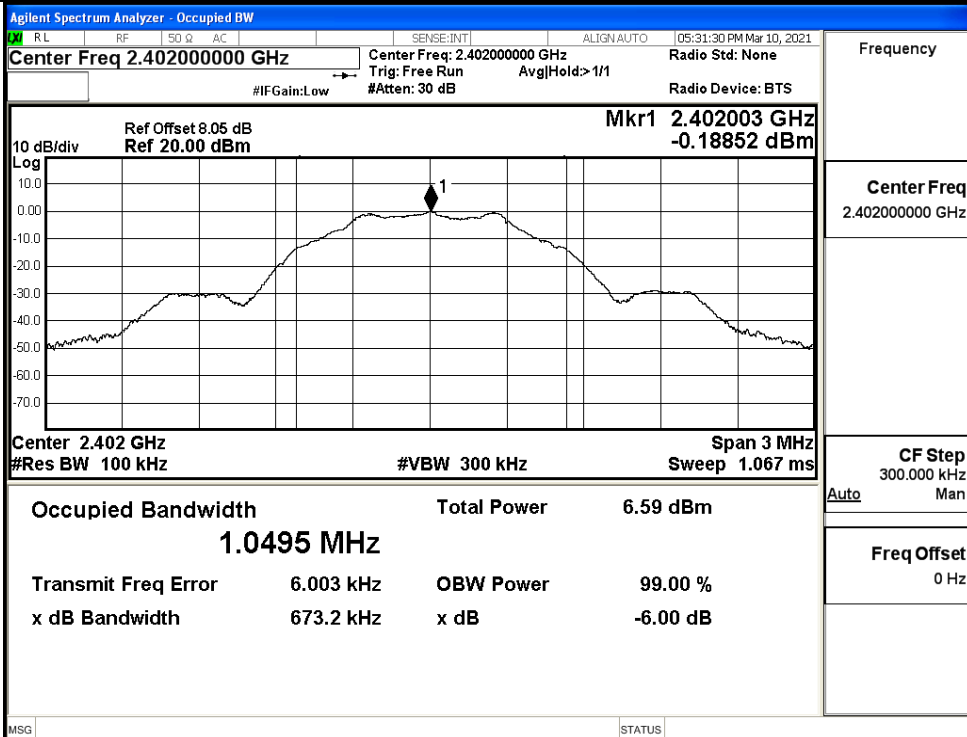


B.4 6dB Bandwidth

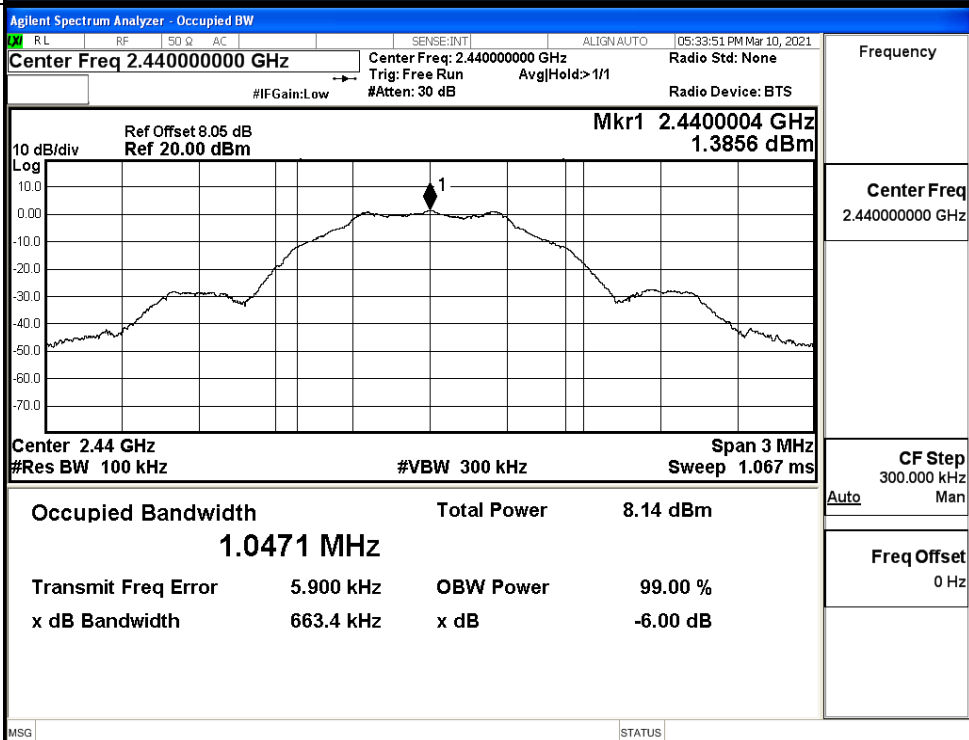
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6732	≥ 0.5	PASS
BT LE	MCH	0.6634	≥ 0.5	PASS
BT LE	HCH	0.6662	≥ 0.5	PASS

Test Graphs

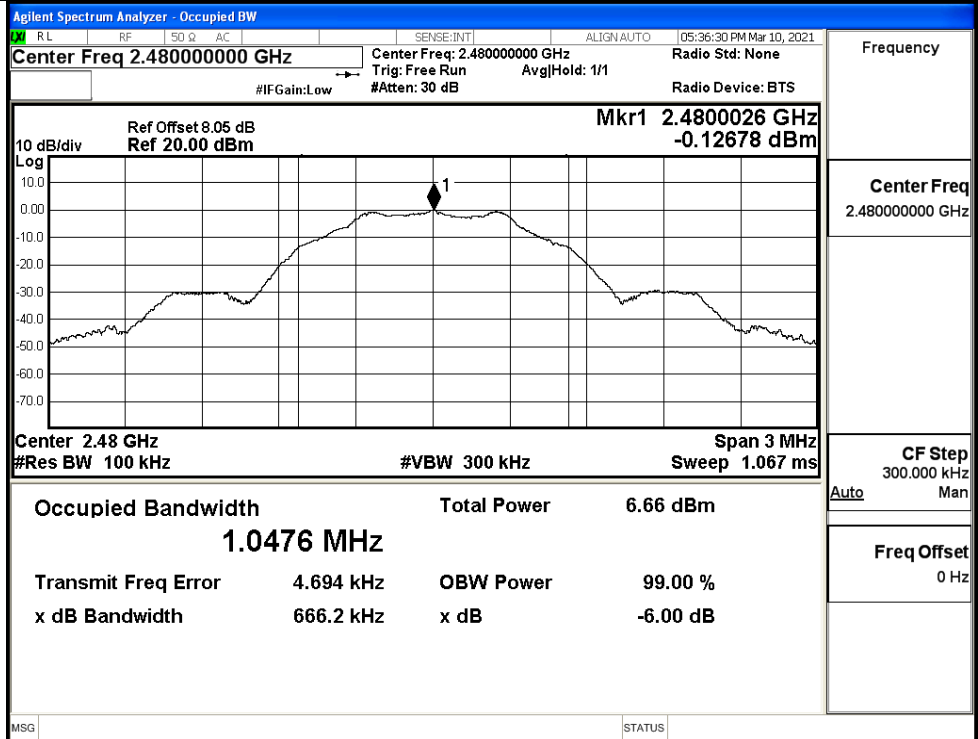
LCH



MCH



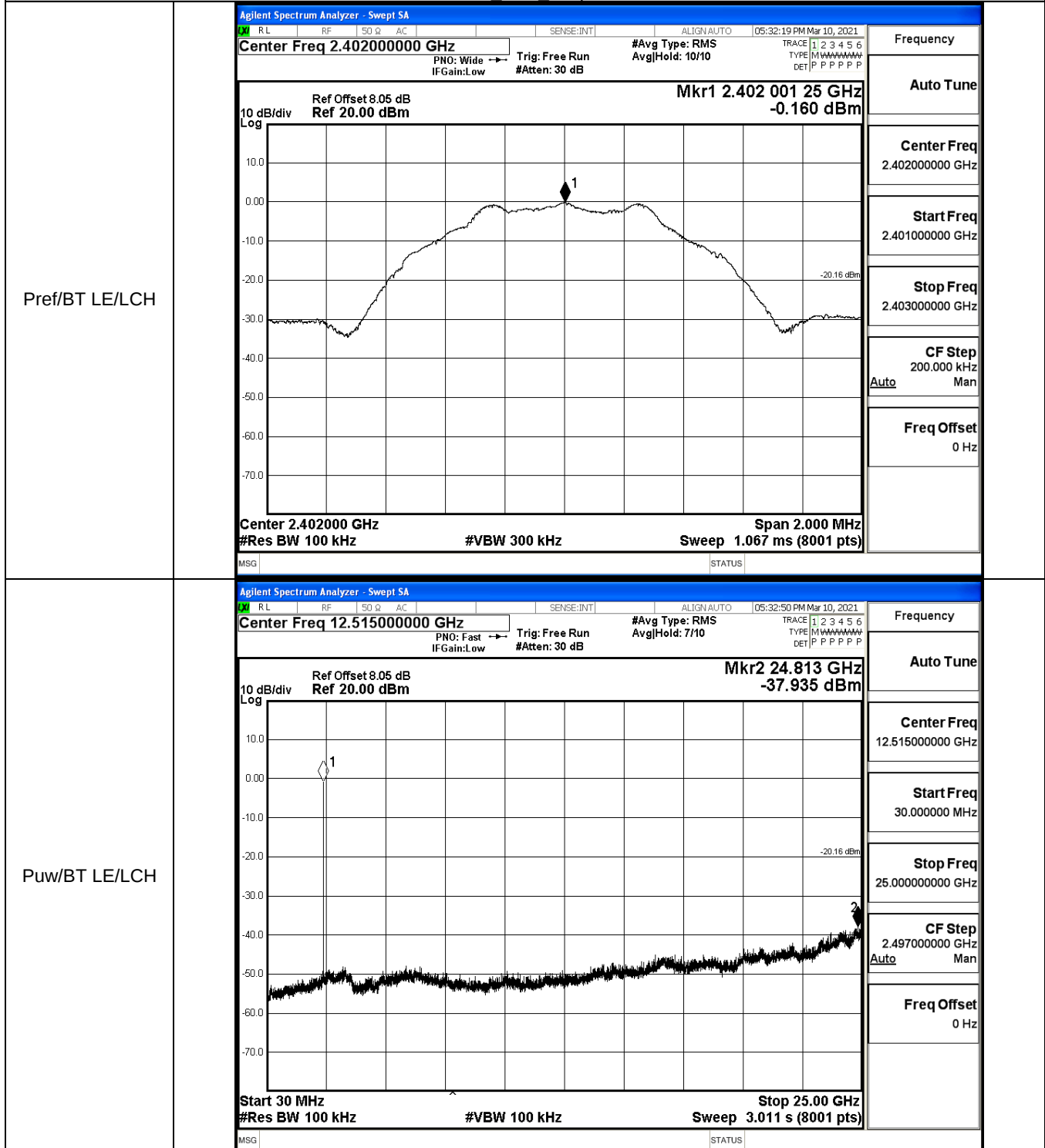
HCH



B.5 RF Conducted Spurious Emissions

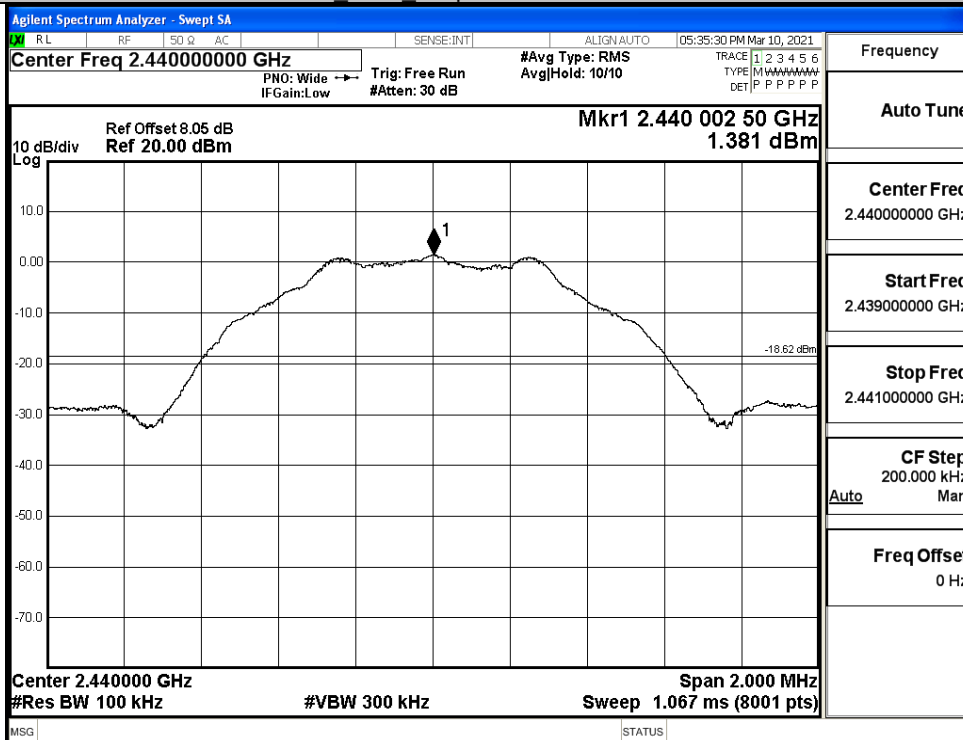
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.16	-37.935	-20.160	PASS
BT LE	MCH	1.381	-37.975	-18.619	PASS
BT LE	HCH	-0.151	-38.053	-20.151	PASS

BT LE LCH Graphs

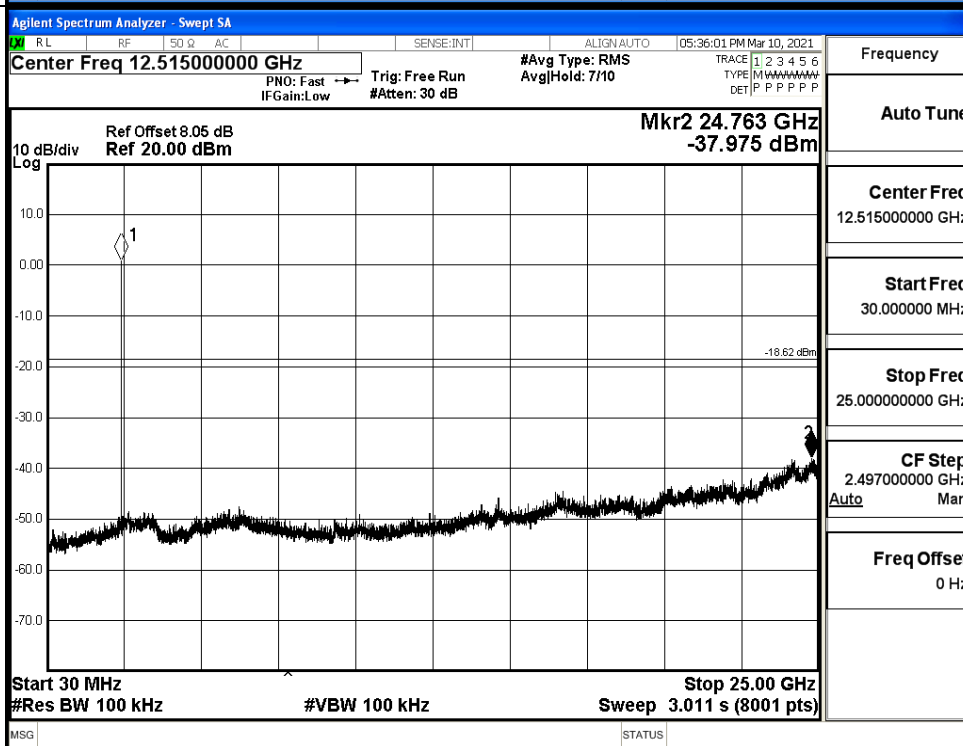


BT LE MCH Graphs

Pref/BT LE/MCH

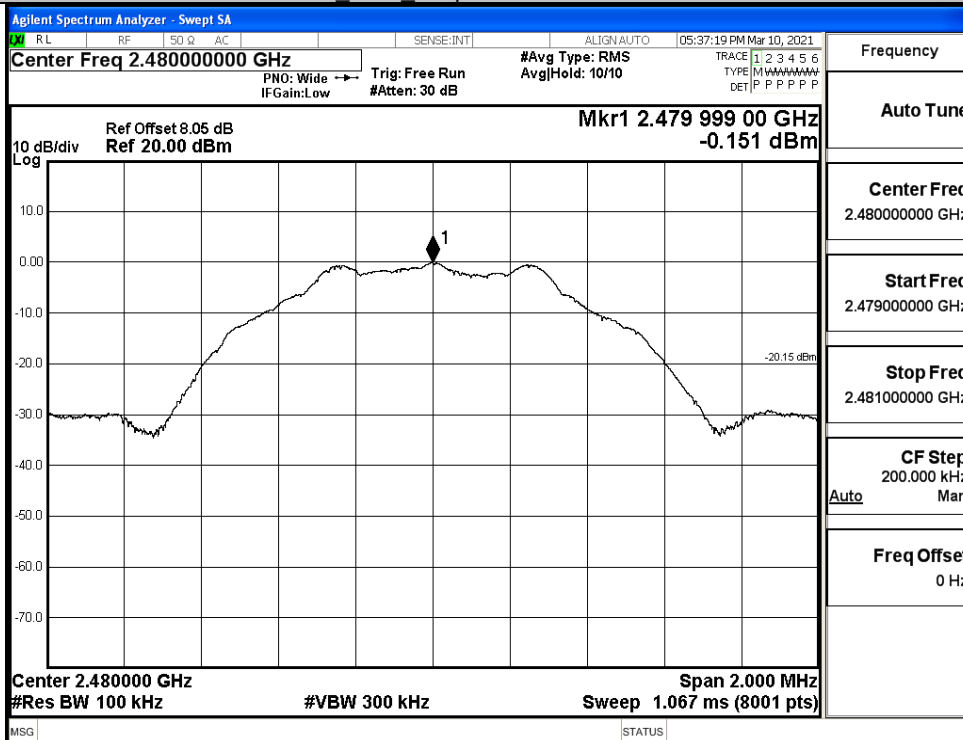


Puw/BT LE/MCH

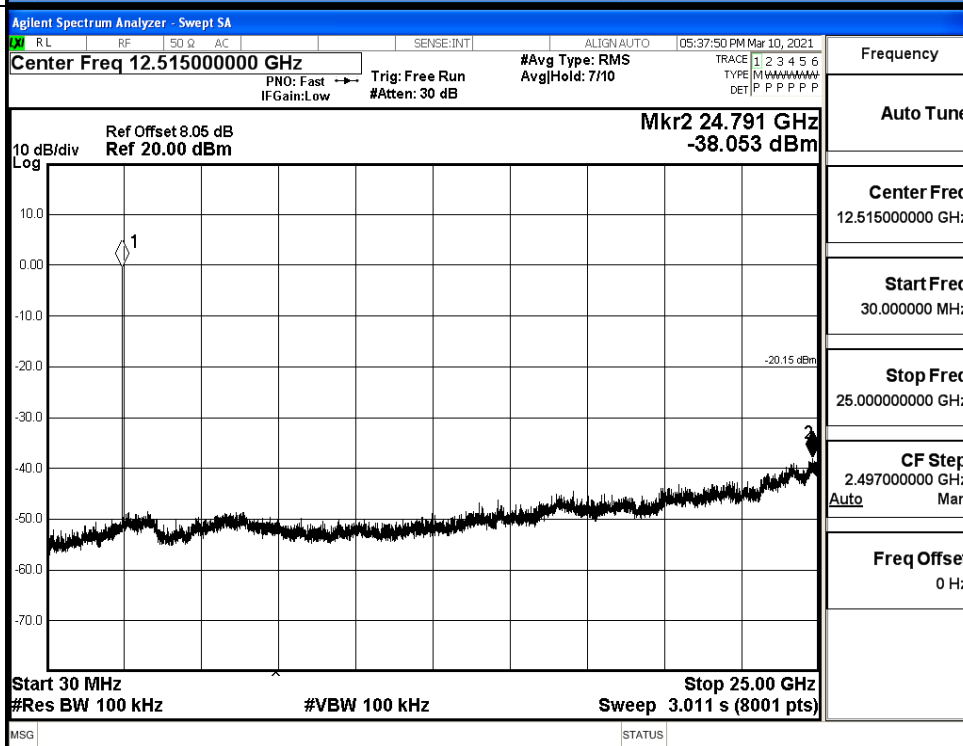


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

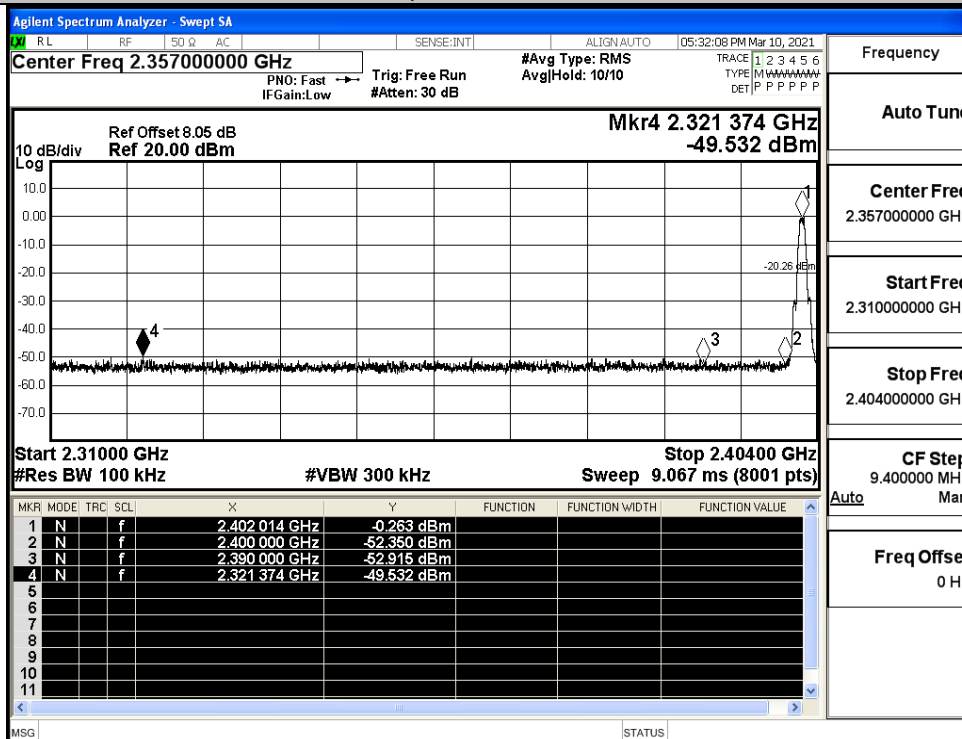


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.263	-49.532	-20.26	PASS
BT LE	HCH	0.028	-49.269	-19.97	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

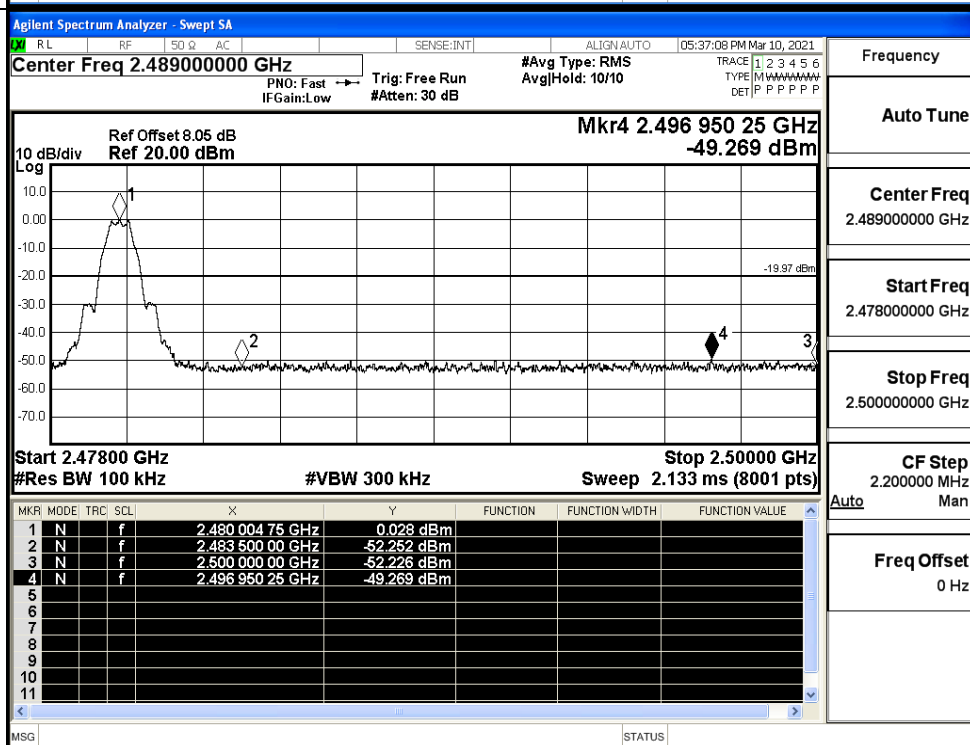
9.400000 MHz

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

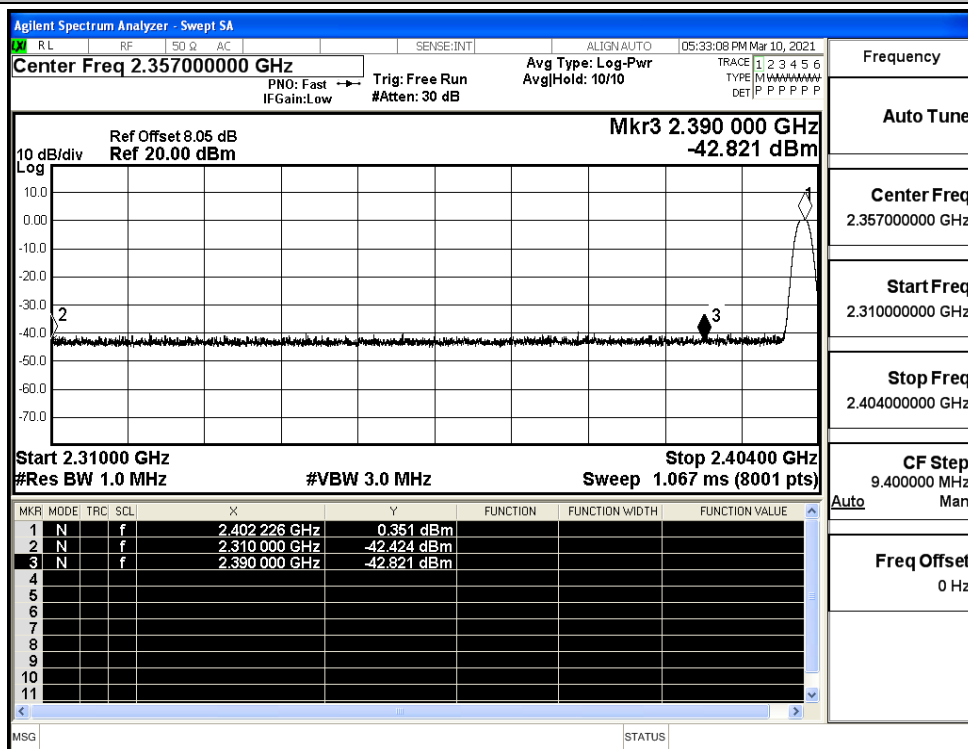
Freq Offset

0 Hz

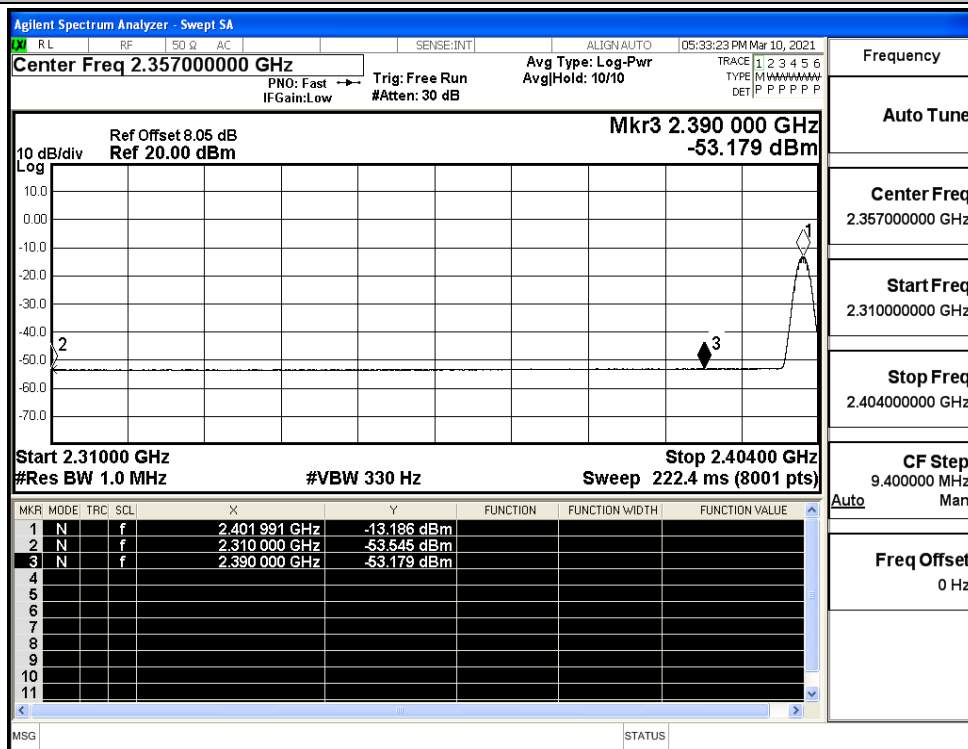
B.7 Restrict-band band-edge measurements

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	-42.42	2.0	0	54.81	PEAK	74	PASS
		Ant1	2310.0	-53.55	2.0	0	43.68	AV	54	PASS
		Ant1	2390.0	-42.82	2.0	0	54.41	PEAK	74	PASS
		Ant1	2390.0	-53.18	2.0	0	44.05	AV	54	PASS
	2480	Ant1	2483.5	-42.91	2.0	0	54.32	PEAK	74	PASS
		Ant1	2483.5	-52.69	2.0	0	44.54	AV	54	PASS
		Ant1	2500.0	-43.51	2.0	0	53.72	PEAK	74	PASS
		Ant1	2500.0	-52.60	2.0	0	44.63	AV	54	PASS

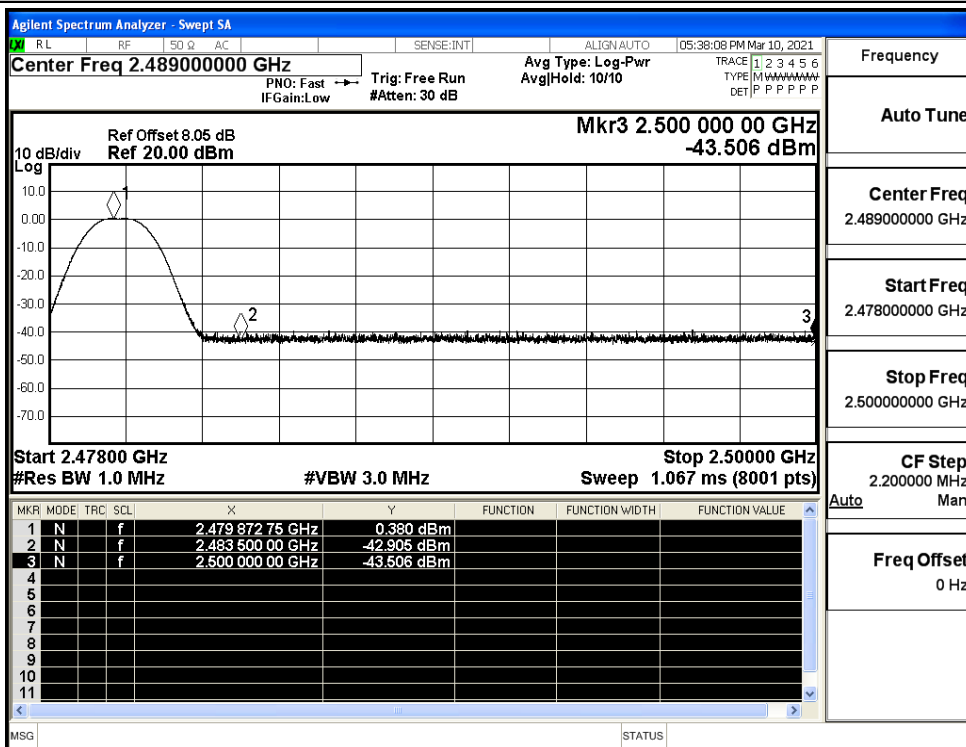
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

