

Appendix B

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

Product Name: IP PHONE

Trade Mark: 

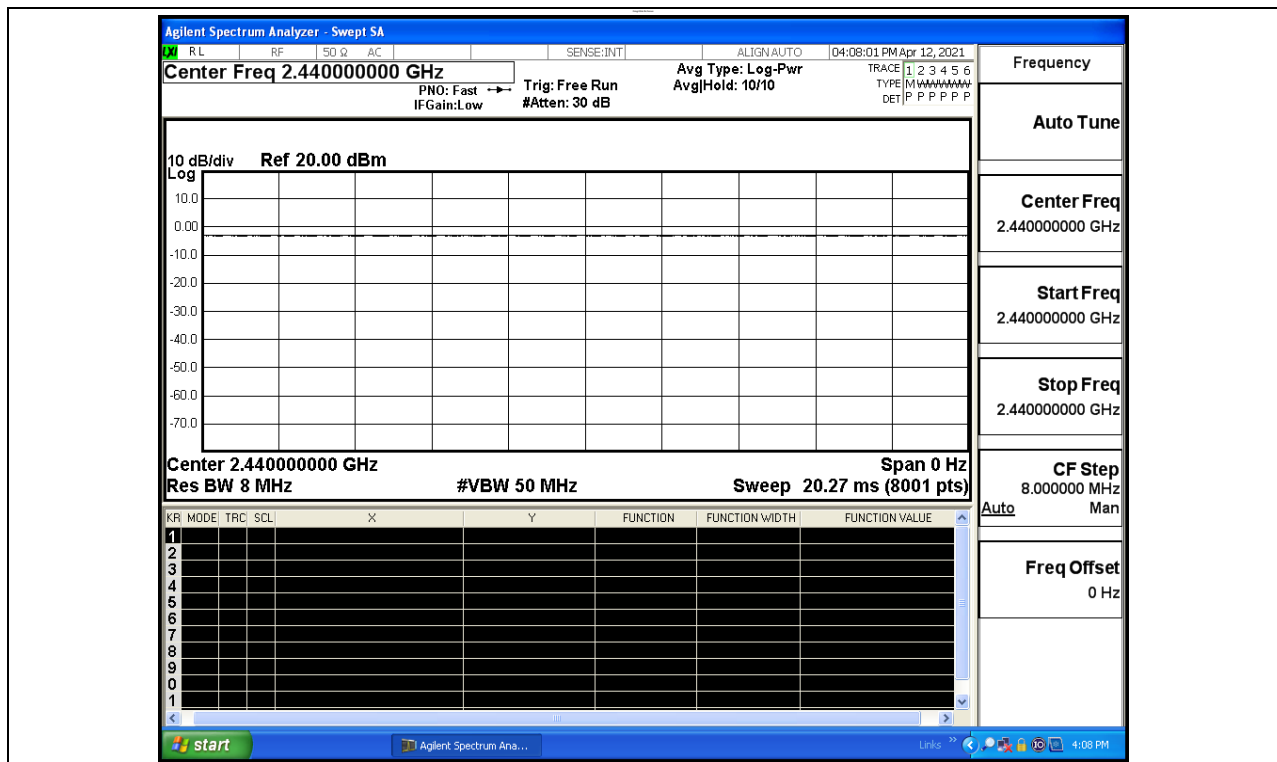
Test Model: UC924W

Environmental Conditions

Temperature:	24.6 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

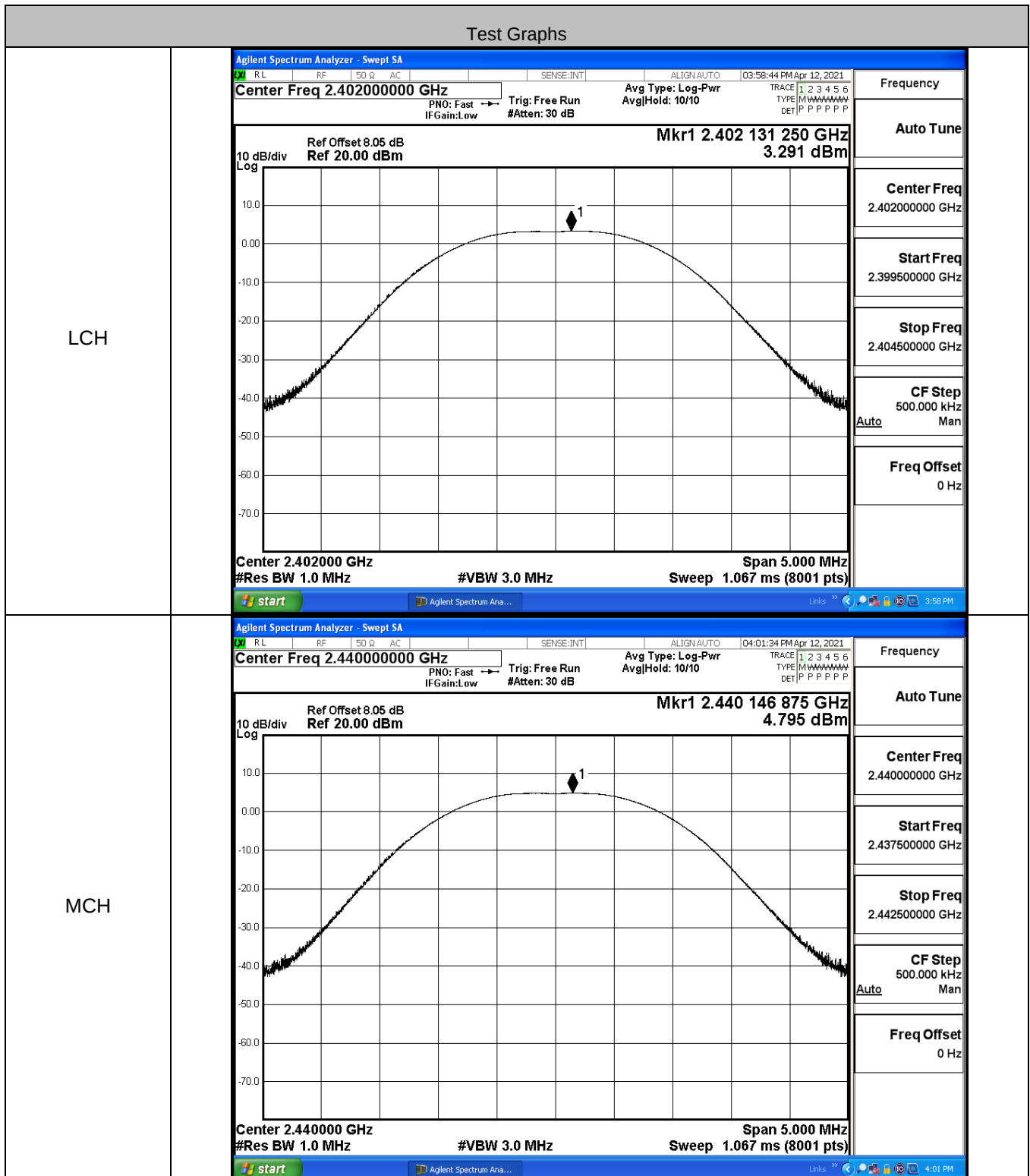
B.1 Duty Cycle

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

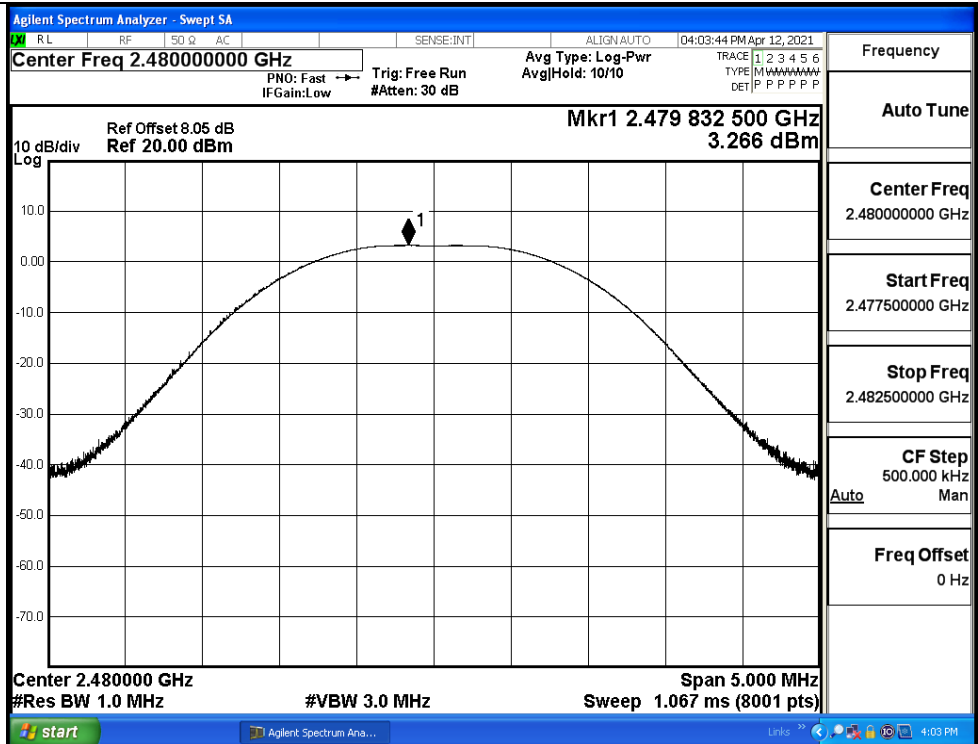


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.291	30	PASS
BT LE	MCH	4.795	30	PASS
BT LE	HCH	3.266	30	PASS



HCH

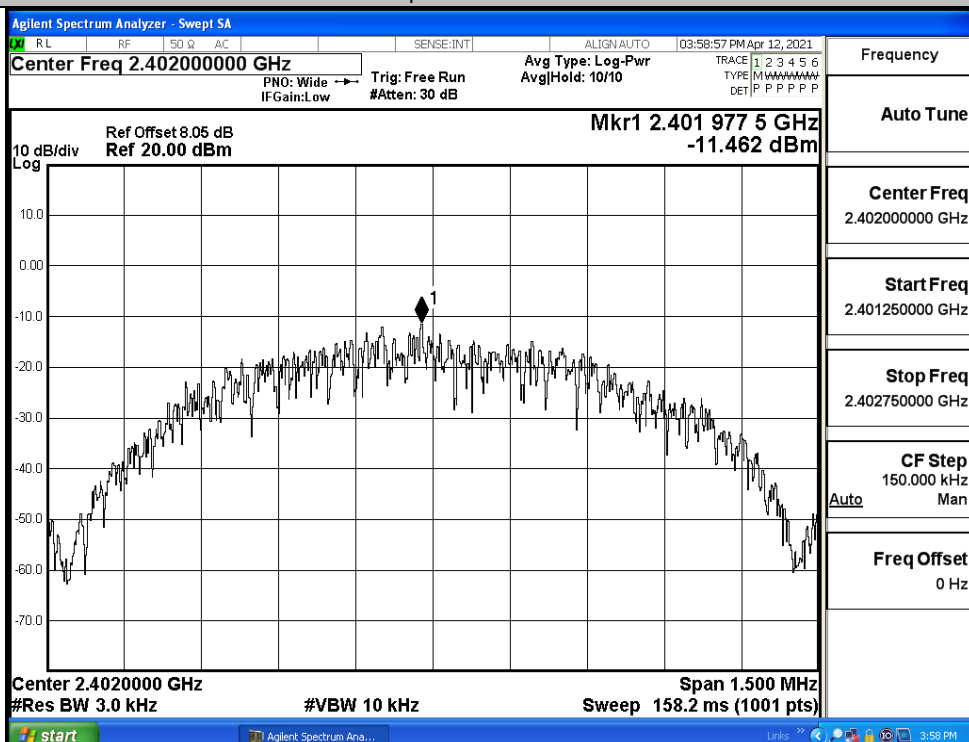


B.3 Maximum Power Spectral Density

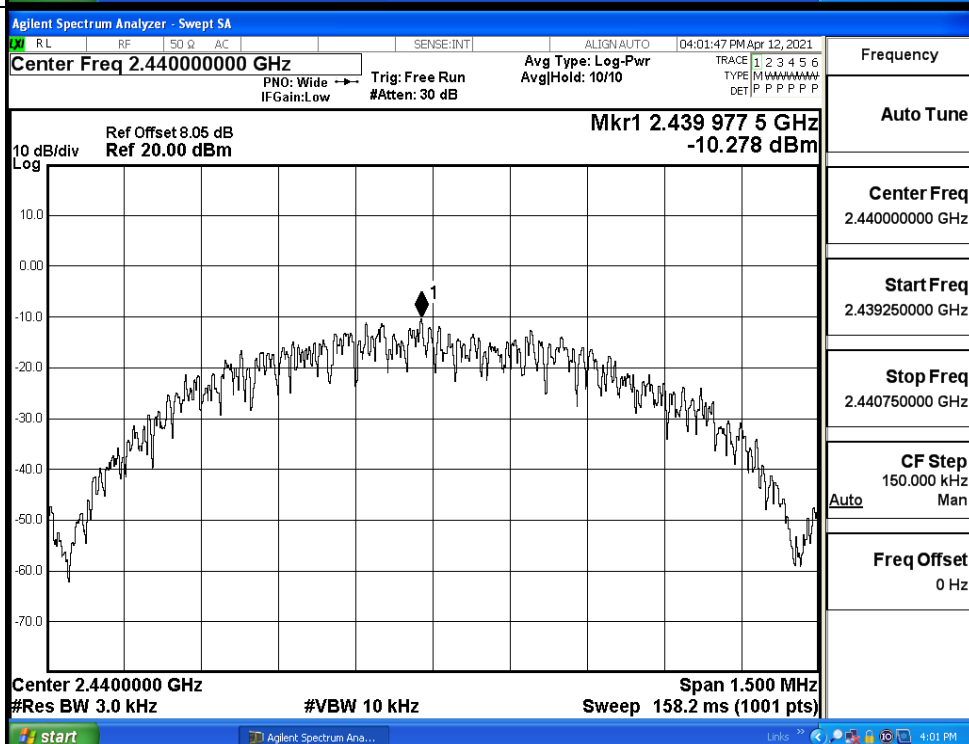
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.462	8	PASS
BT LE	MCH	-10.278	8	PASS
BT LE	HCH	-11.440	8	PASS

Test Graphs

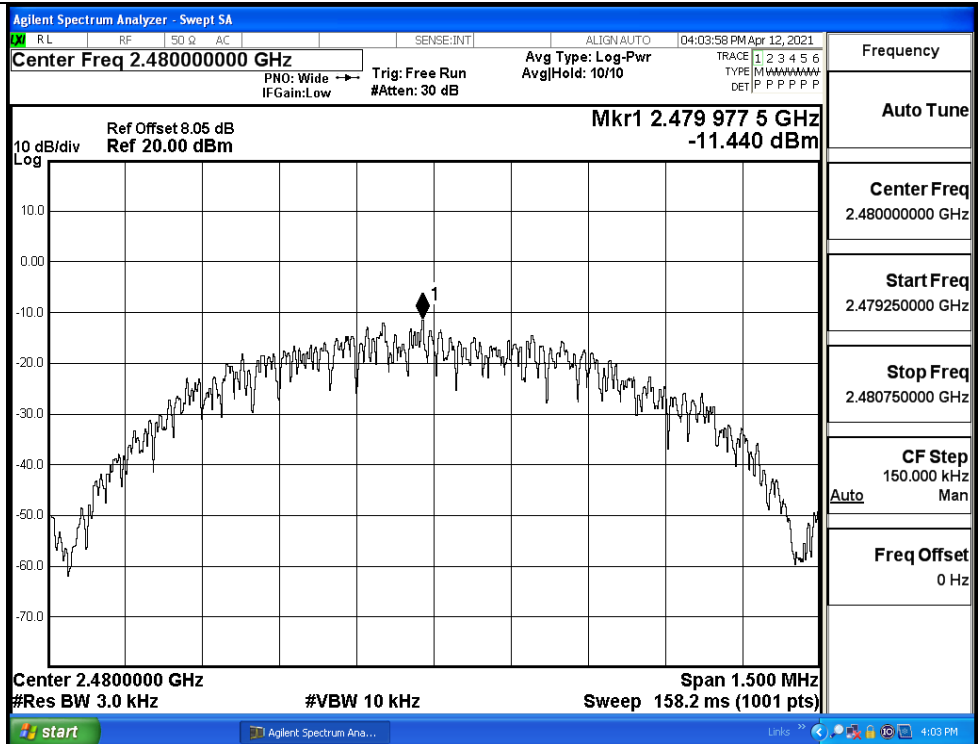
LCH



MCH



HCH

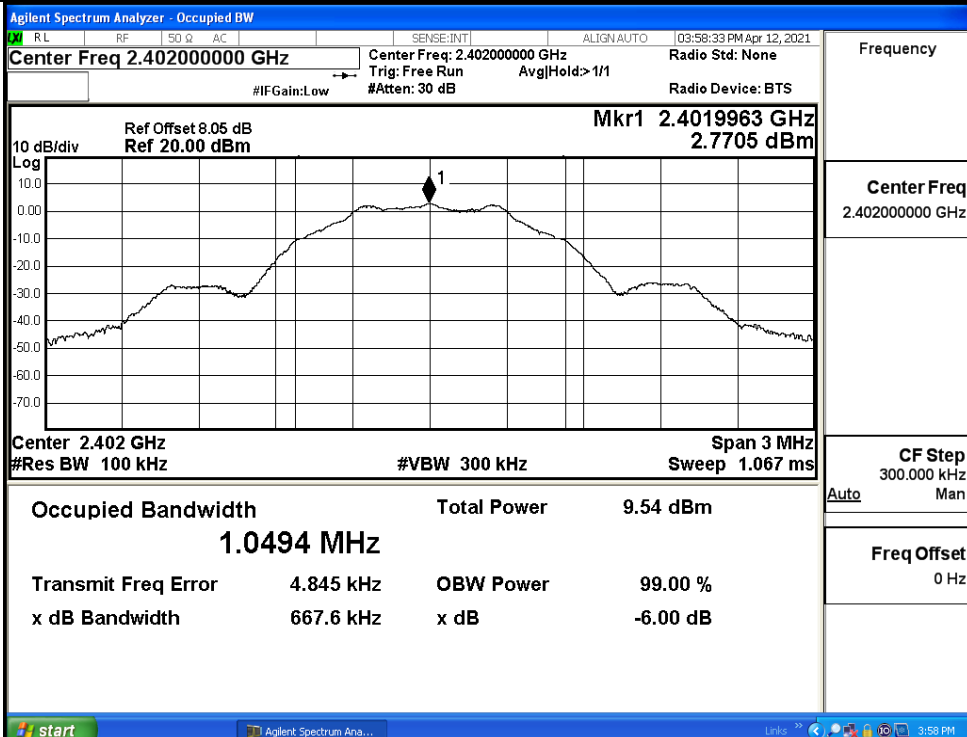


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6676	≥ 0.5	PASS
BT LE	MCH	0.6635	≥ 0.5	PASS
BT LE	HCH	0.6681	≥ 0.5	PASS

Test Graphs

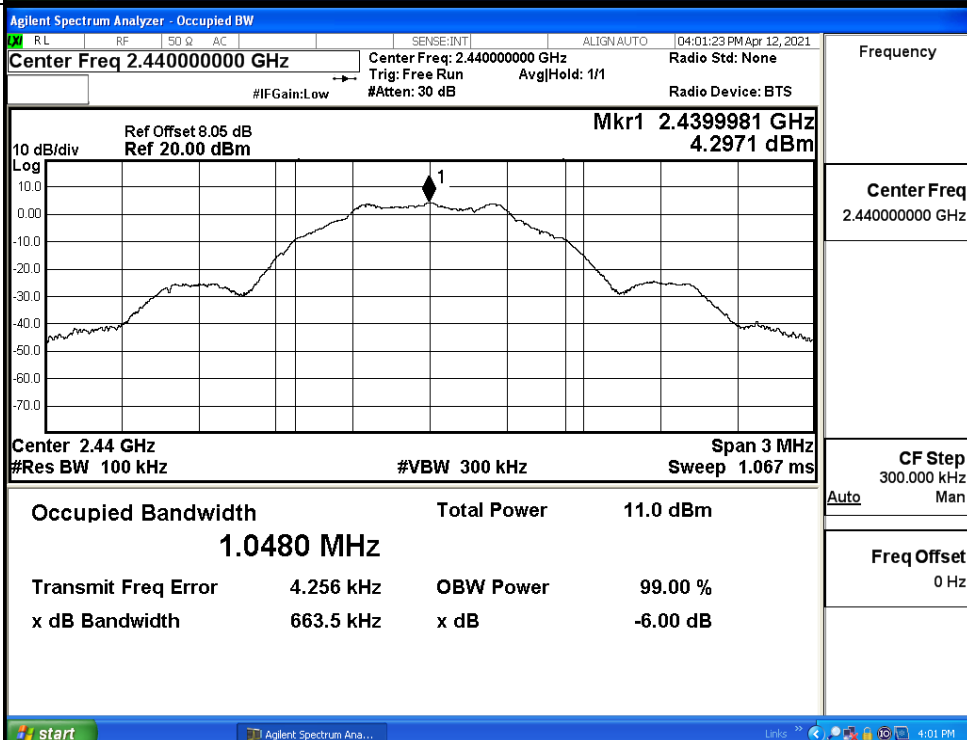
LCH



Frequency

Center Freq
2.402000000 GHzCF Step
300.000 kHz
Auto ManFreq Offset
0 Hz

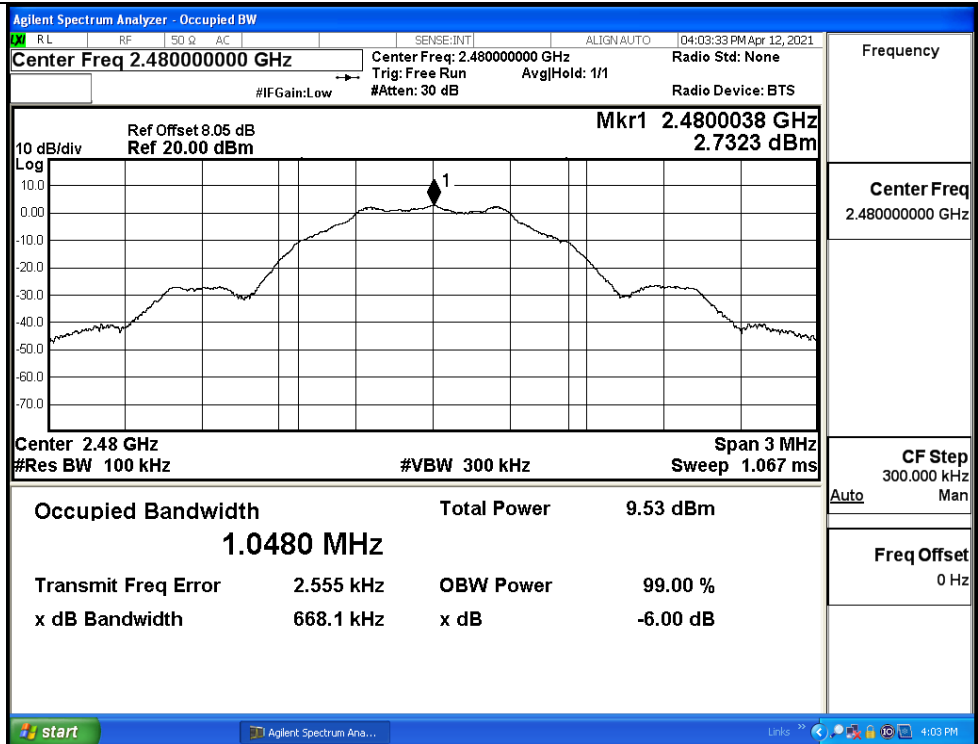
MCH



Frequency

Center Freq
2.440000000 GHzCF Step
300.000 kHz
Auto ManFreq Offset
0 Hz

HCH

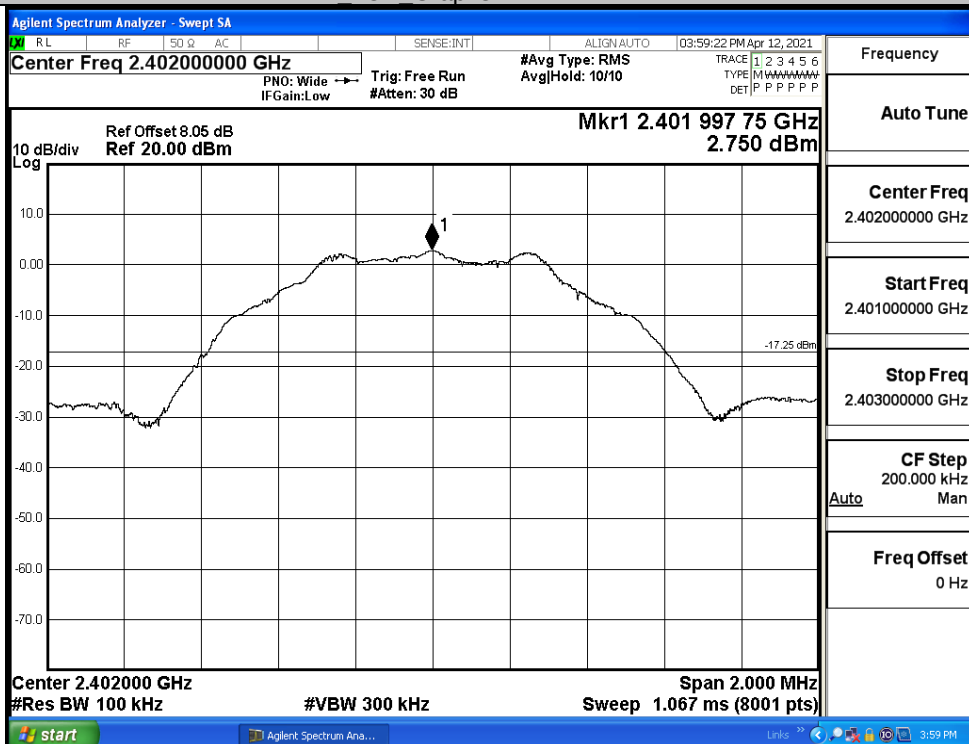


B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.75	-37.627	-17.250	PASS
BT LE	MCH	4.294	-37.578	-15.706	PASS
BT LE	HCH	2.752	-37.709	-17.248	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

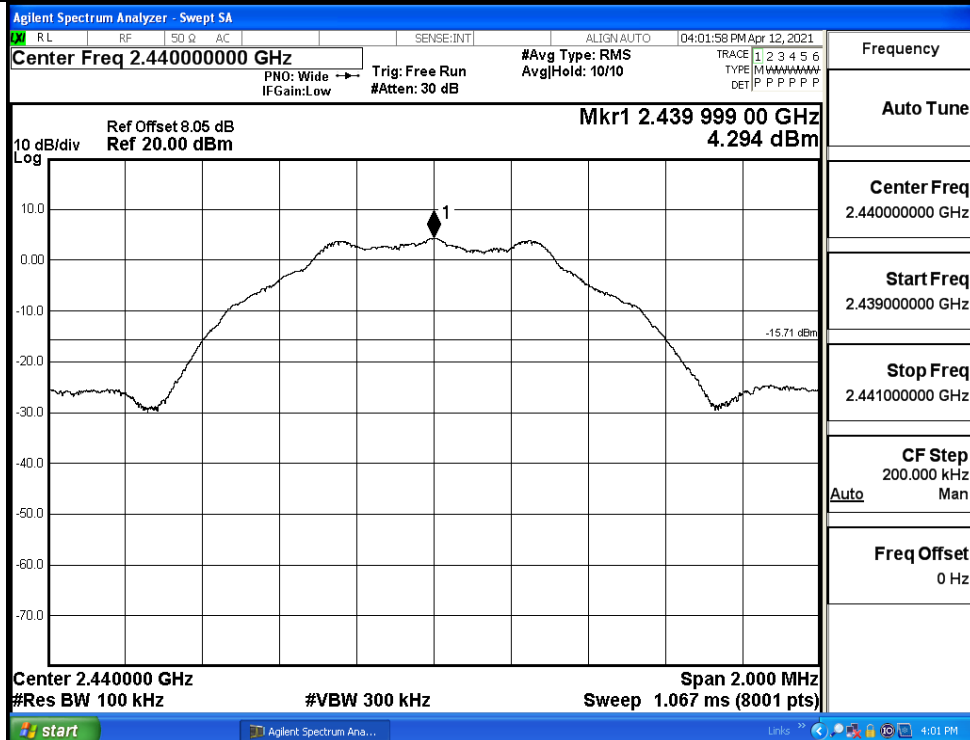


Puw/BT LE/LCH



BT LE MCH Graphs

Pref/BT LE/MCH

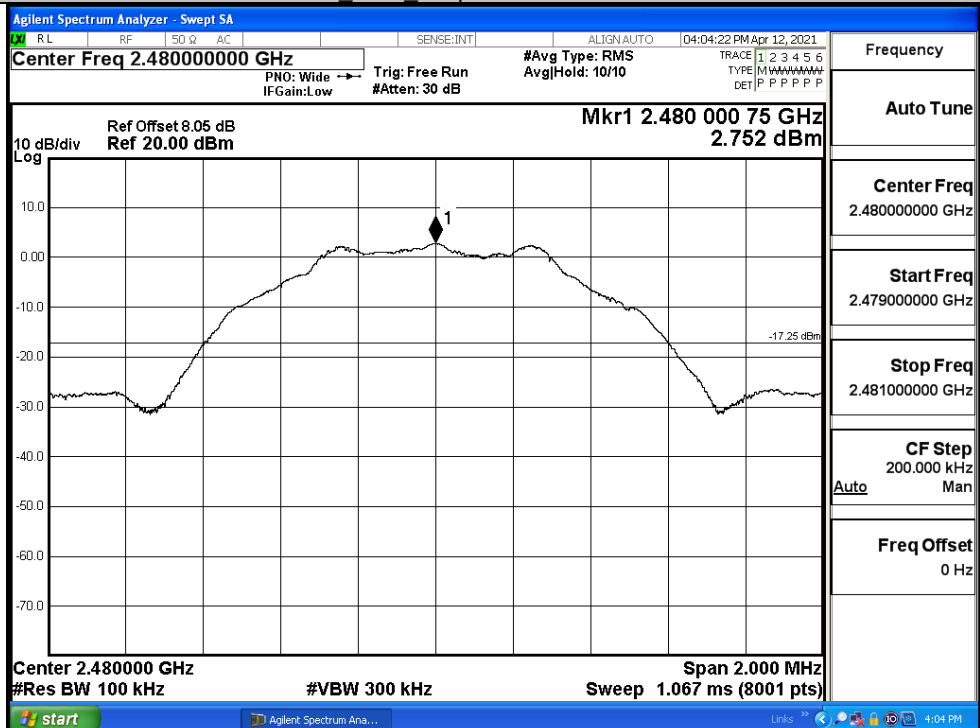


Puw/BT LE/MCH



BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

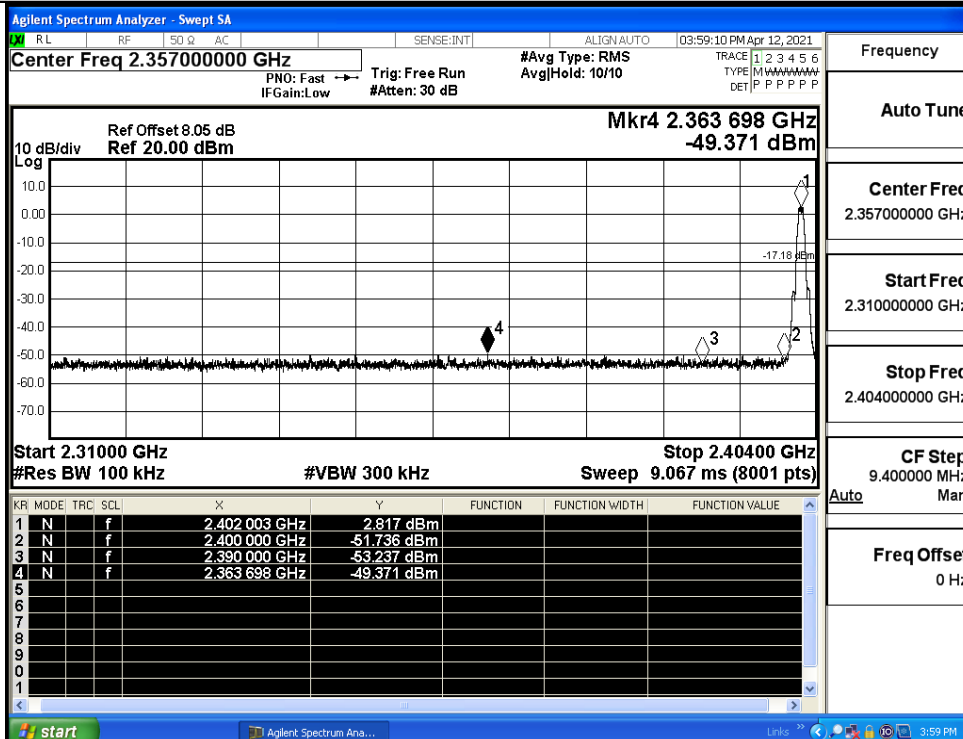


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.817	-49.371	-17.18	PASS
BT LE	HCH	2.903	-49.320	-17.1	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq
2.357000000 GHz

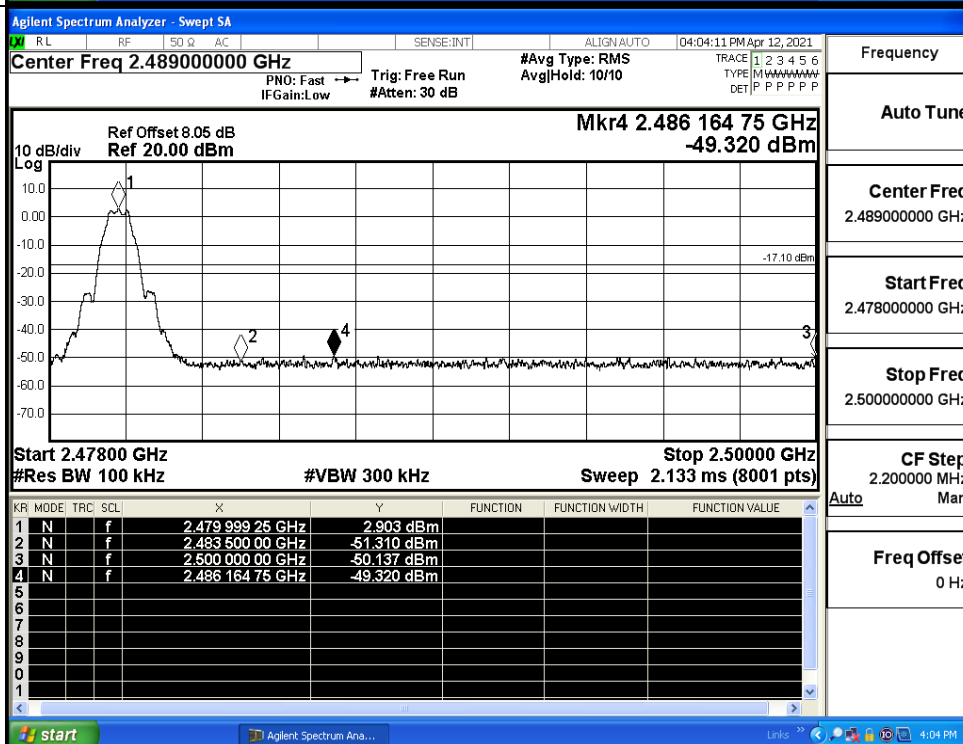
Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz

Freq Offset
0 Hz

HCH



Frequency

Auto Tune

Center Freq
2.489000000 GHz

Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

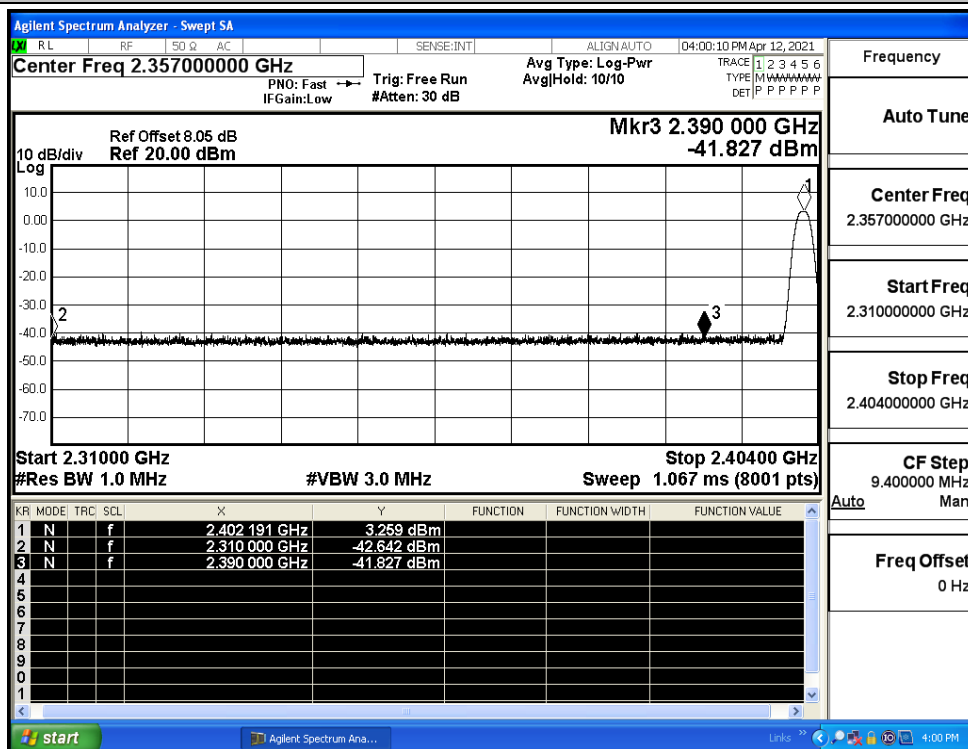
CF Step
2.200000 MHz

Freq Offset
0 Hz

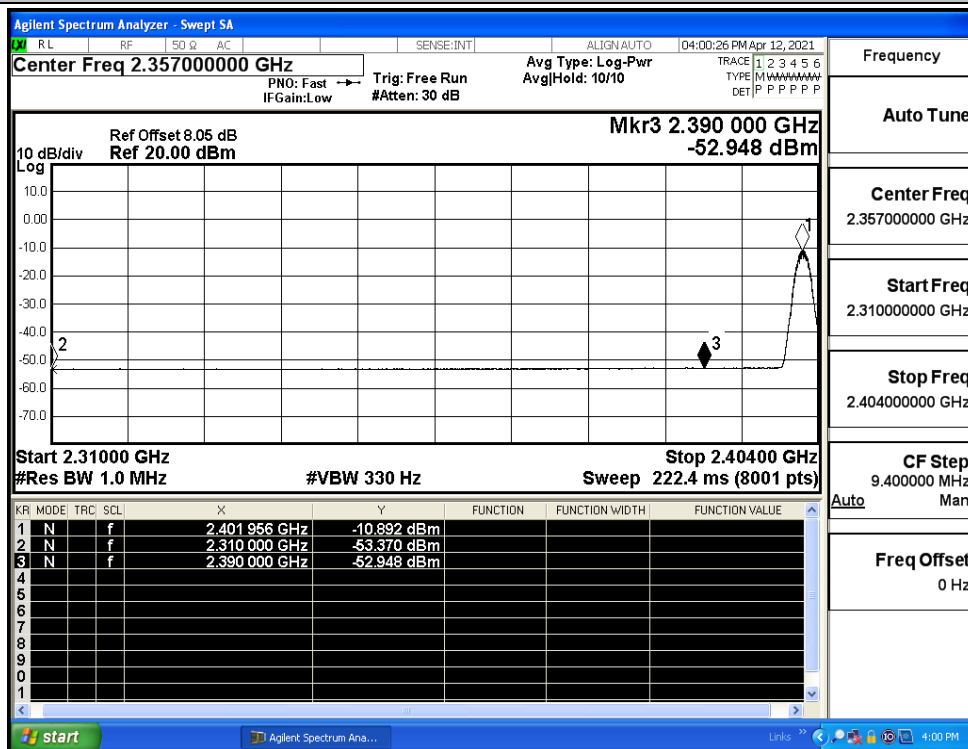
B.7 Restrict-band band-edge measurements

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	-42.64	4.2	0	56.79	PEAK	74	PASS
		Ant1	2310.0	-53.37	4.2	0	46.06	AV	54	PASS
		Ant1	2390.0	-41.83	4.2	0	57.60	PEAK	74	PASS
		Ant1	2390.0	-52.95	4.2	0	46.48	AV	54	PASS
	2480	Ant1	2483.5	-42.19	4.2	0	57.24	PEAK	74	PASS
		Ant1	2483.5	-52.48	4.2	0	46.95	AV	54	PASS
		Ant1	2500.0	-42.11	4.2	0	57.32	PEAK	74	PASS
		Ant1	2500.0	-52.34	4.2	0	47.09	AV	54	PASS

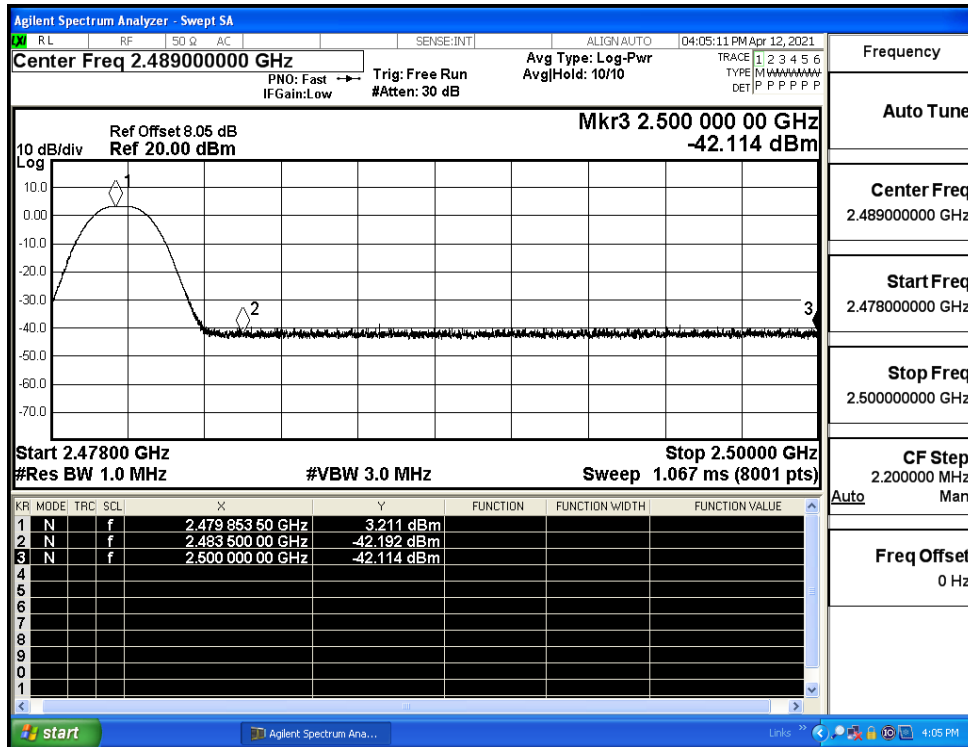
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

