

Appendix B

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

Product Name: IP PHONE

Trade Mark: 

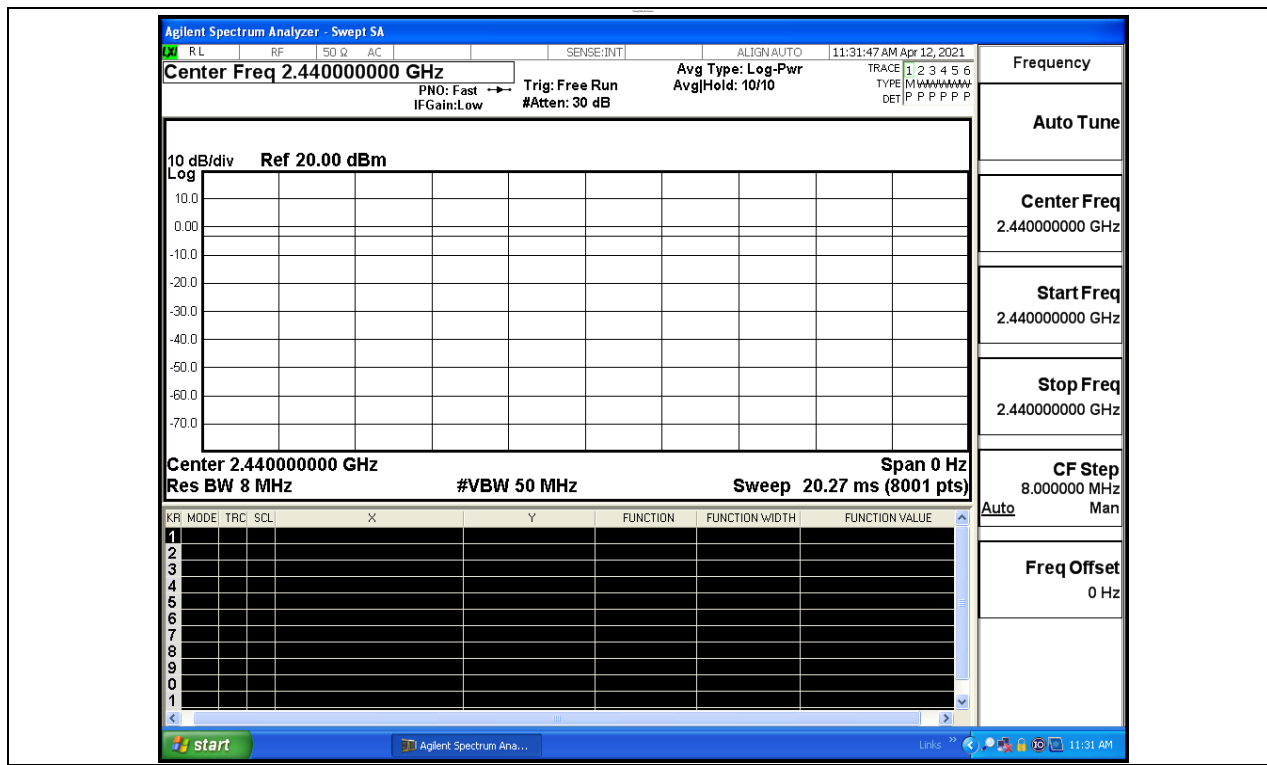
Test Model: UC507U

Environmental Conditions

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

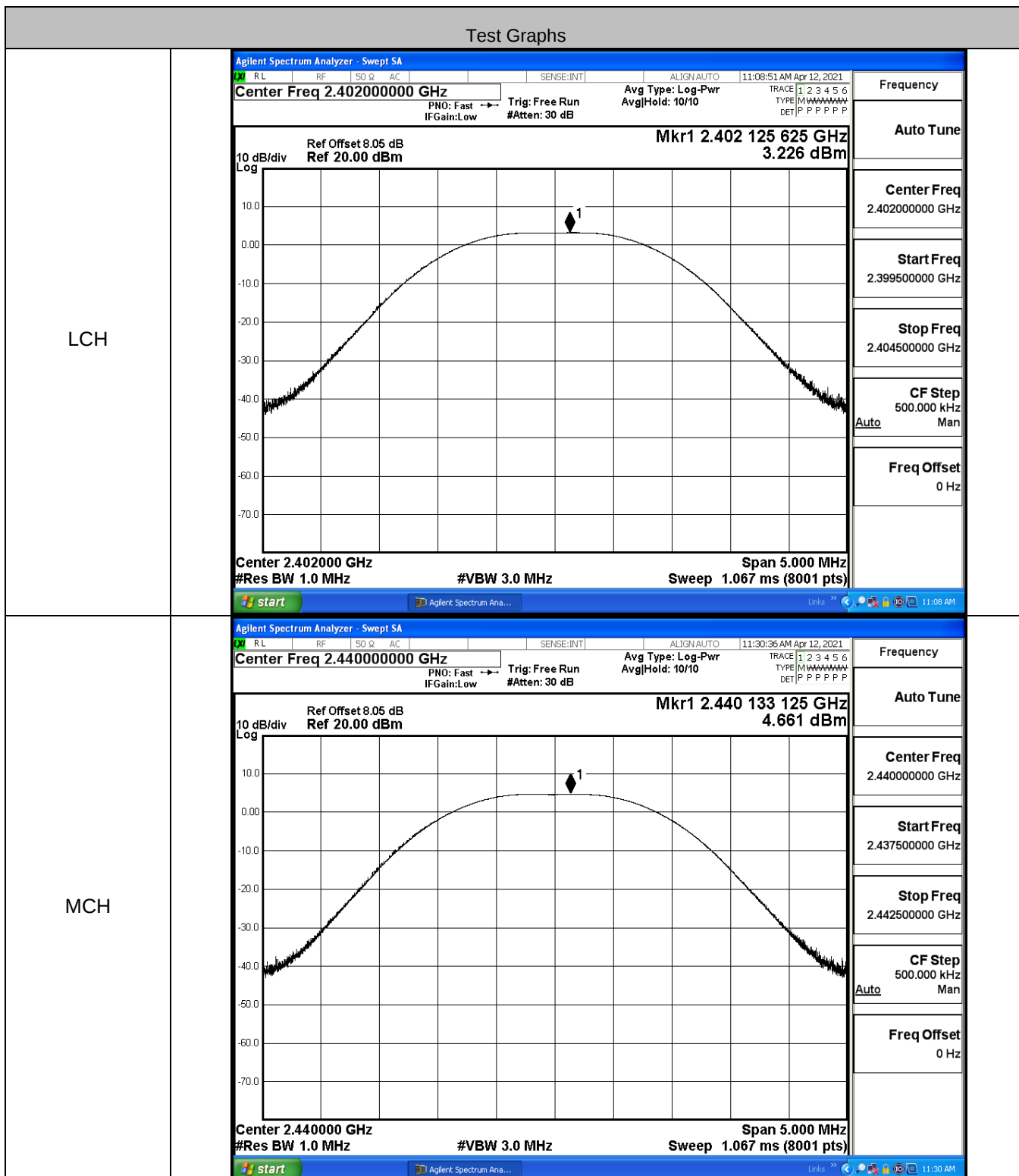
B.1 Duty Cycle

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

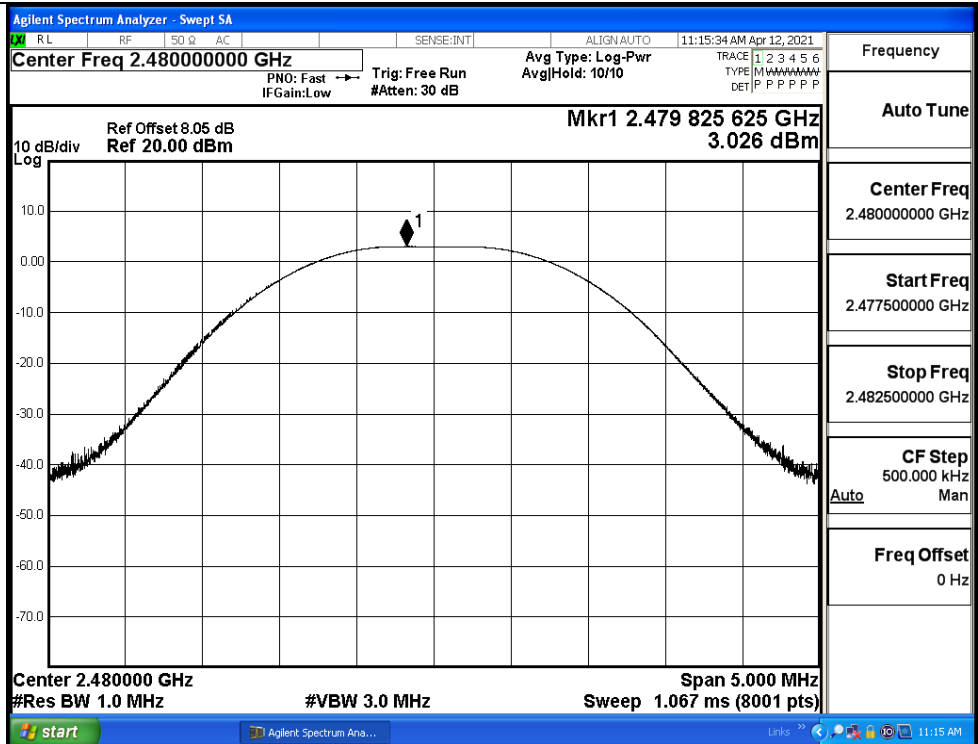


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.226	30	PASS
BT LE	MCH	4.661	30	PASS
BT LE	HCH	3.026	30	PASS



HCH

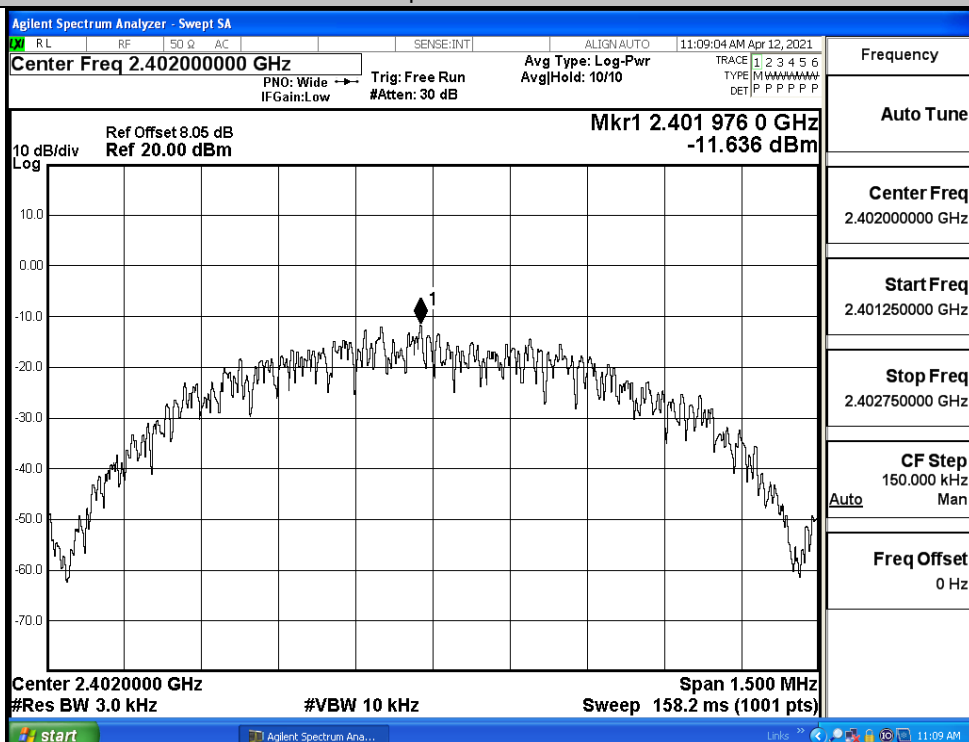


B.3 Maximum Power Spectral Density

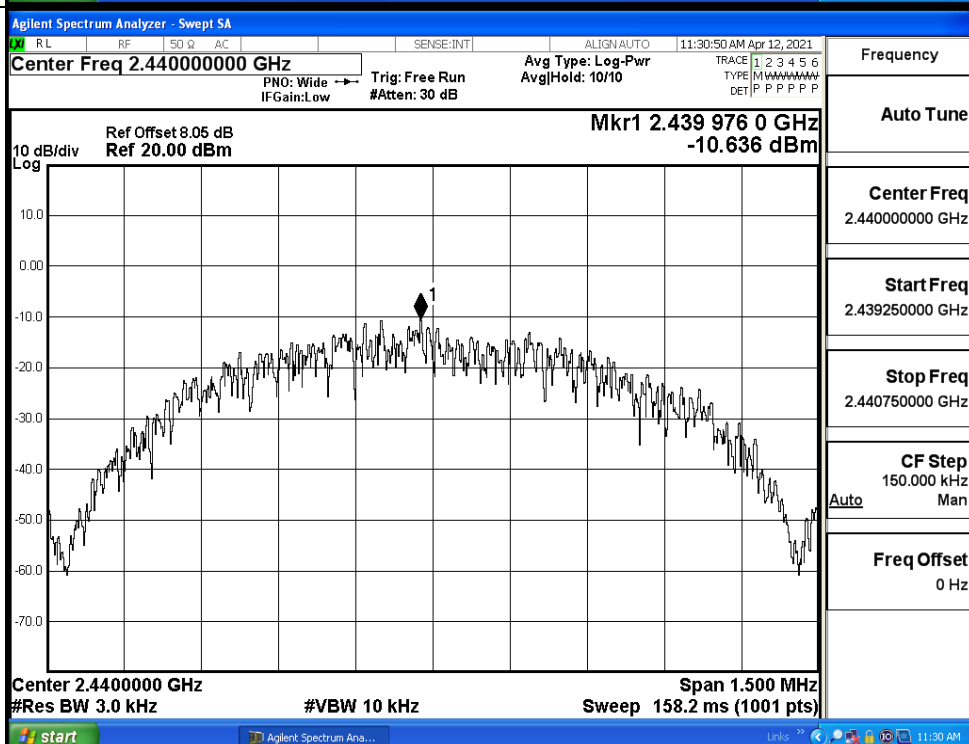
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.636	8	PASS
BT LE	MCH	-10.636	8	PASS
BT LE	HCH	-12.039	8	PASS

Test Graphs

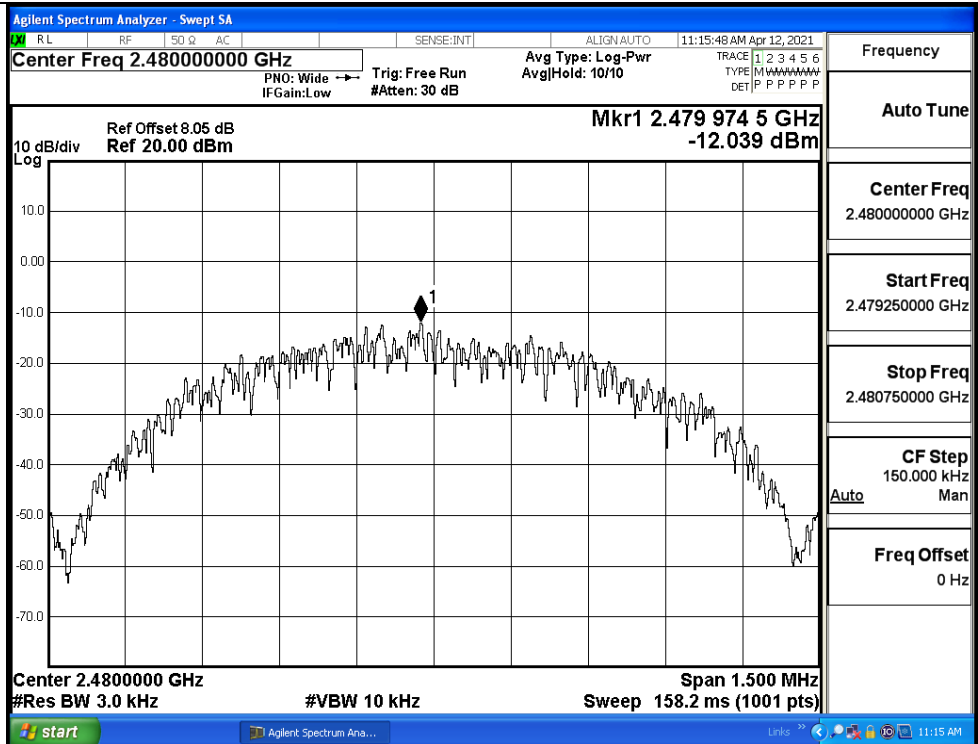
LCH



MCH



HCH

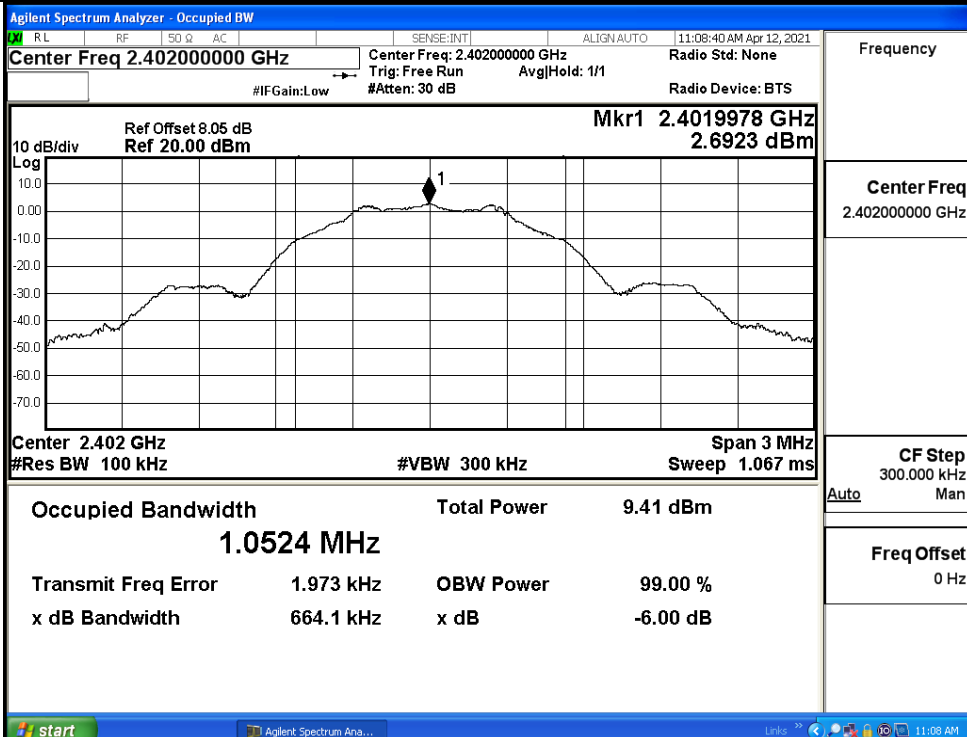


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6641	≥ 0.5	PASS
BT LE	MCH	0.6726	≥ 0.5	PASS
BT LE	HCH	0.6708	≥ 0.5	PASS

Test Graphs

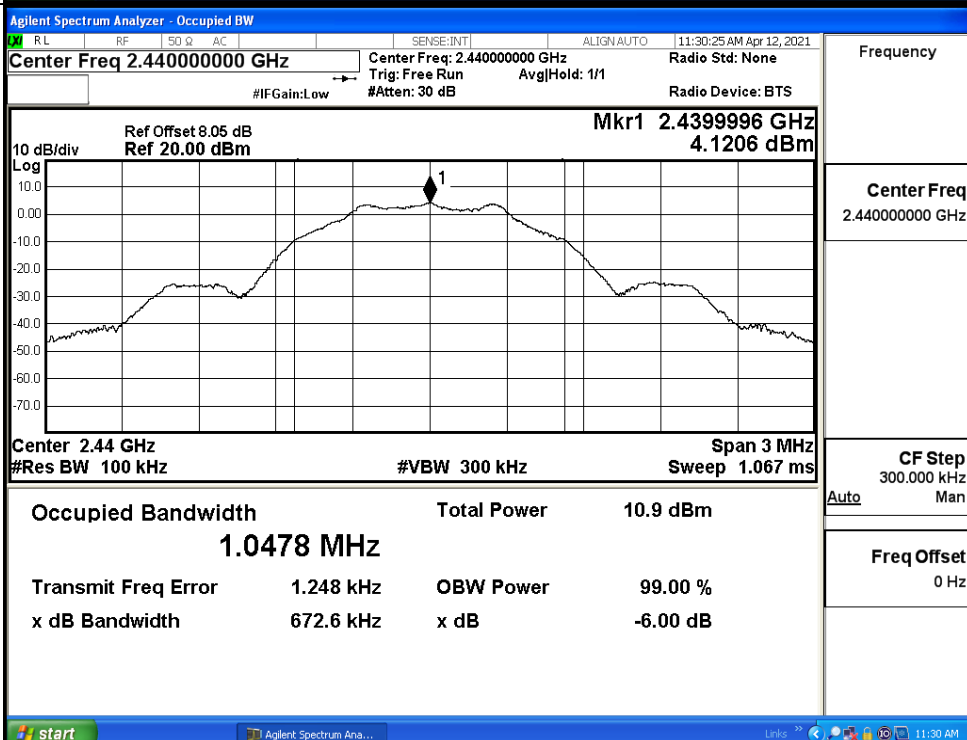
LCH



Frequency

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

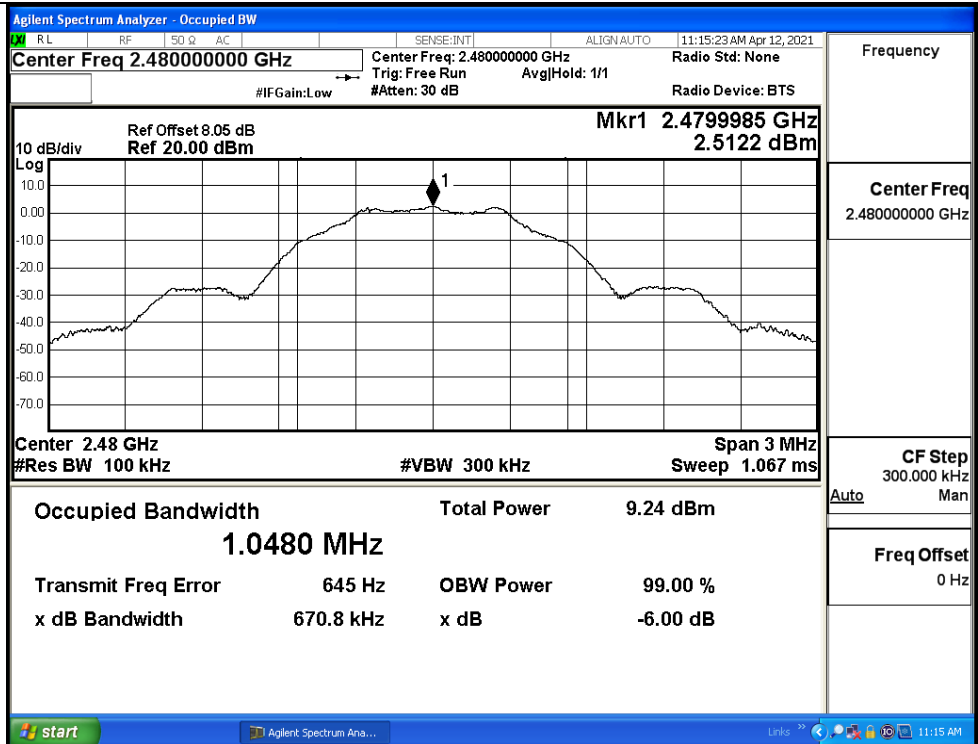
MCH



Frequency

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

HCH

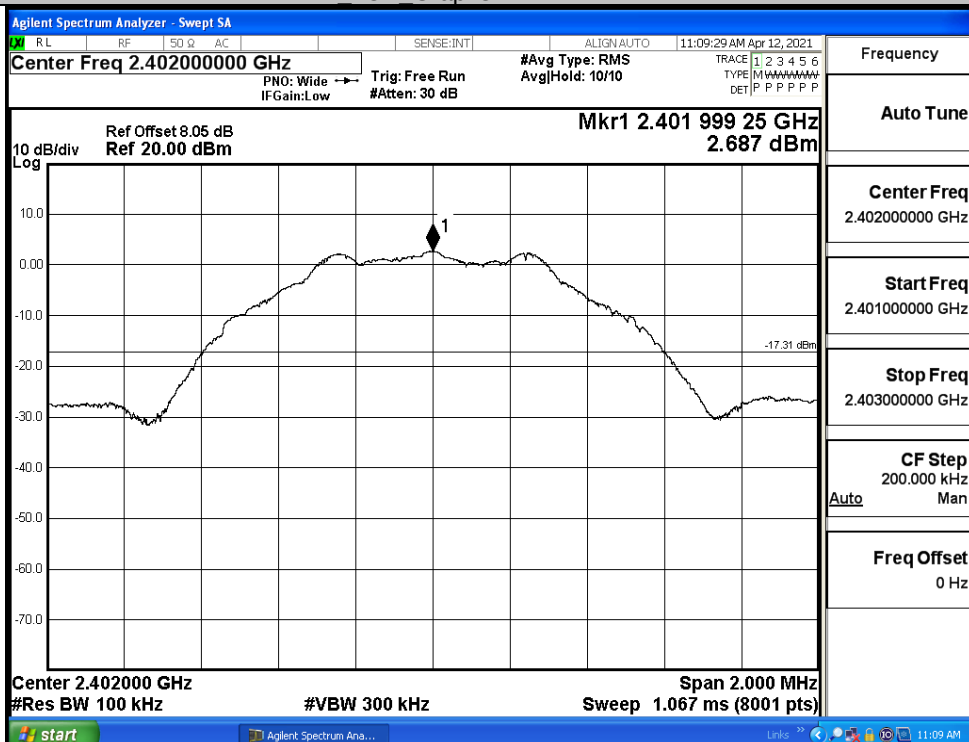


B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.687	-37.731	-17.313	PASS
BT LE	MCH	4.157	-37.422	-15.843	PASS
BT LE	HCH	2.497	-37.323	-17.503	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

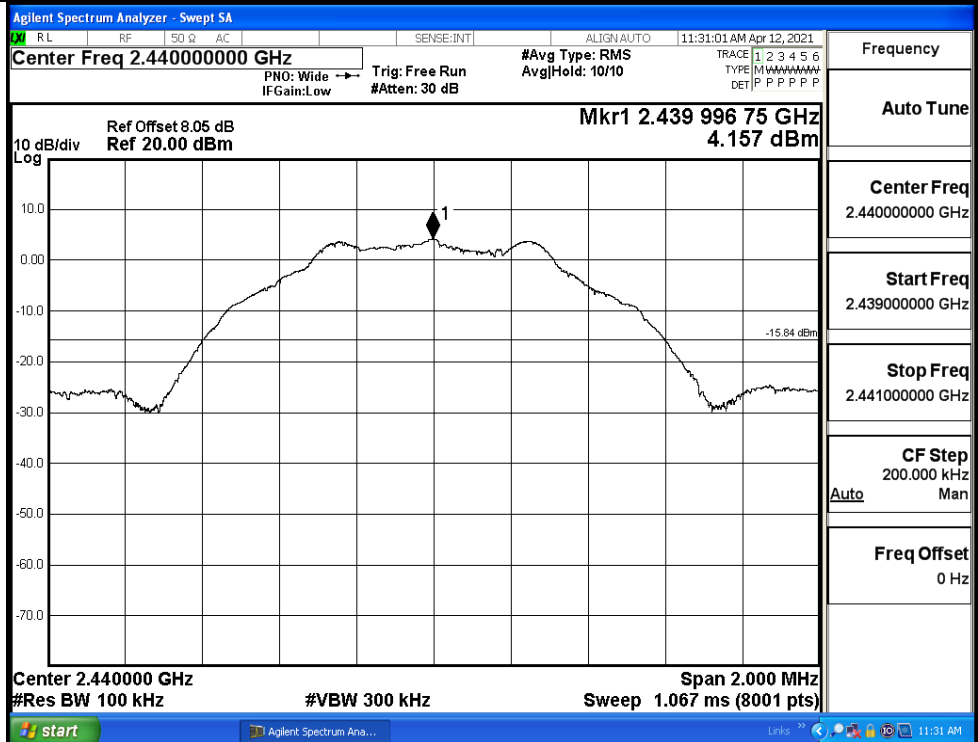


Puw/BT LE/LCH



BT LE MCH Graphs

Pref/BT LE/MCH

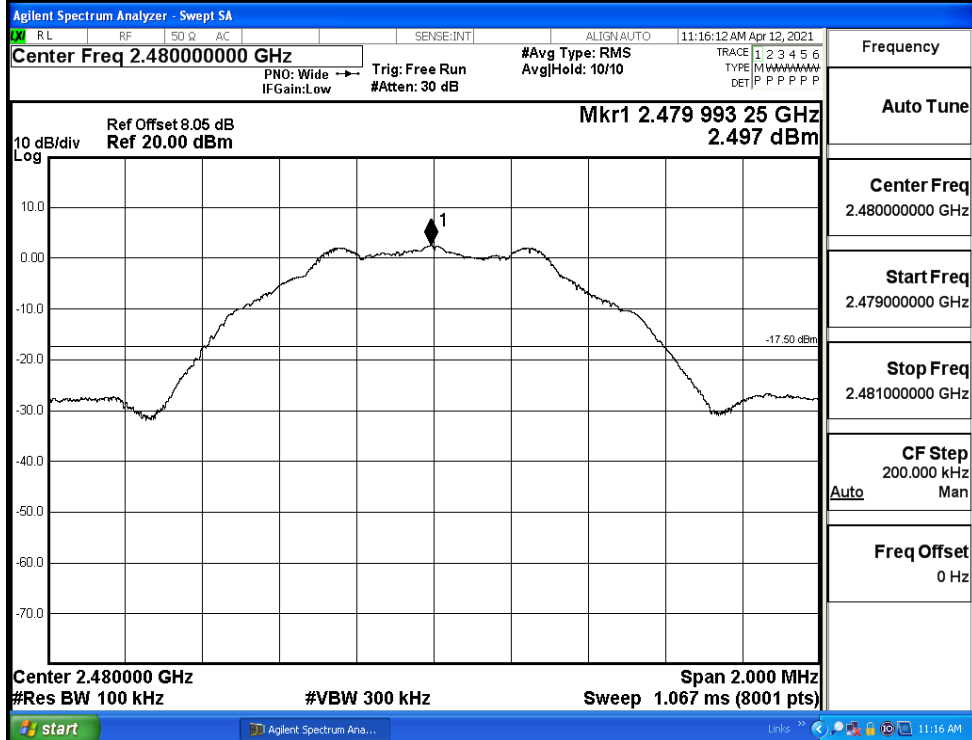


Puw/BT LE/MCH



BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

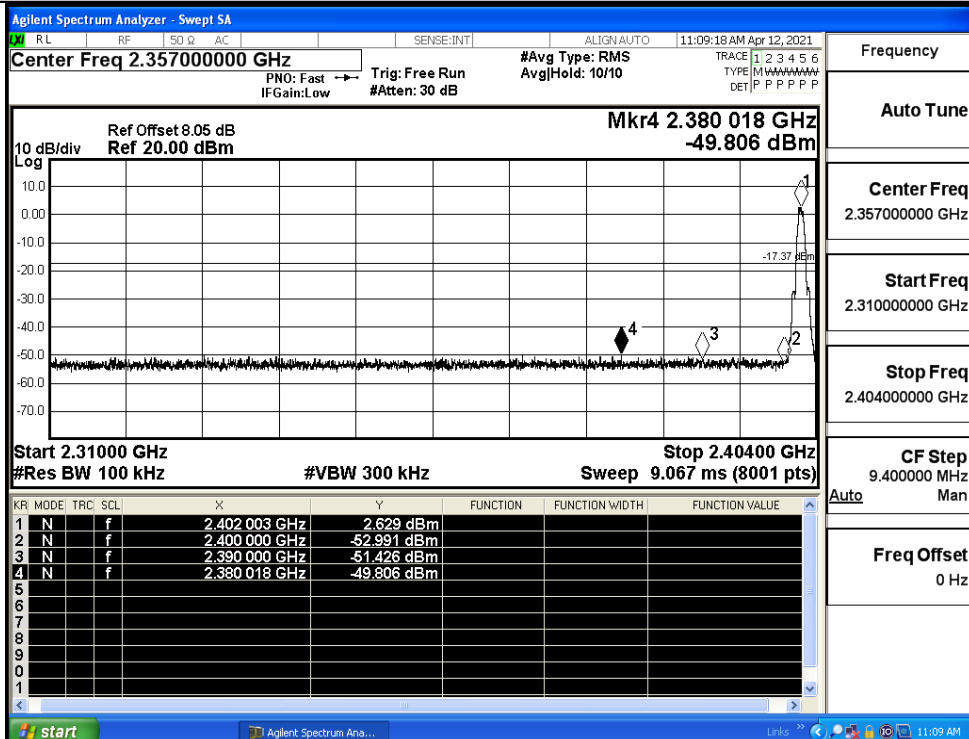


B.6 Band-edge for RF Conducted Emissions

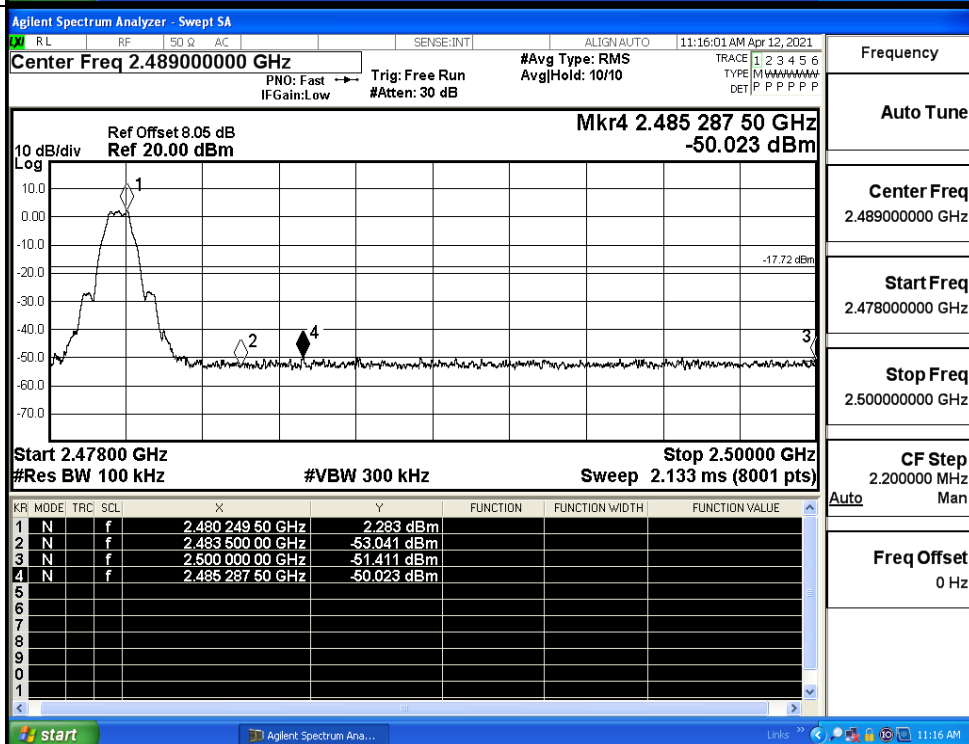
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.629	-49.806	-17.37	PASS
BT LE	HCH	2.283	-50.023	-17.72	PASS

Test Graphs

LCH



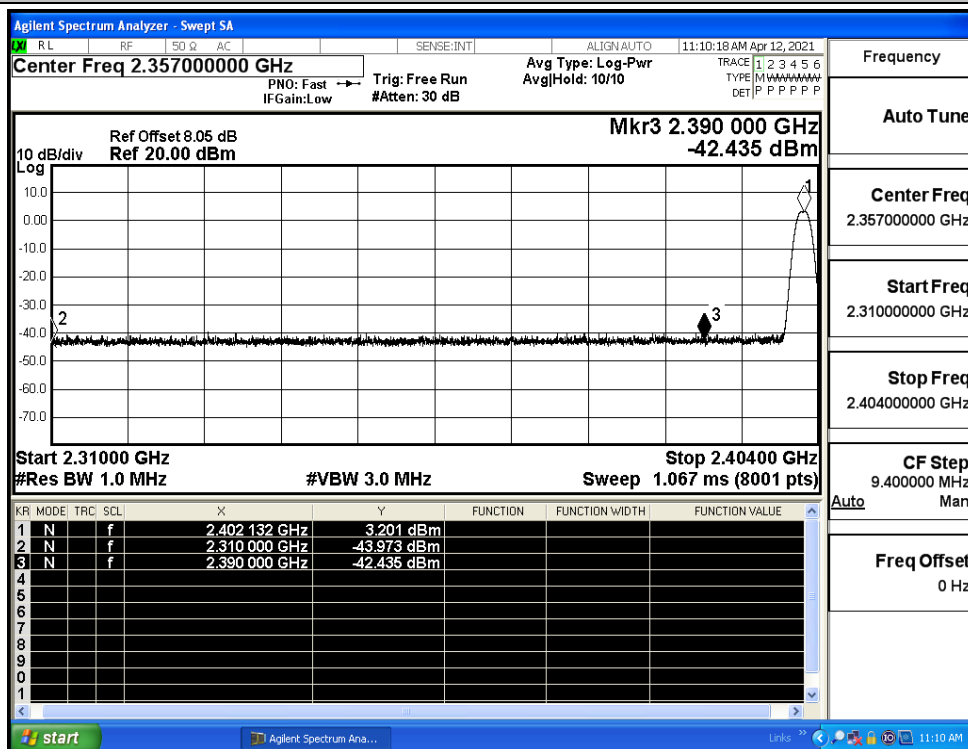
HCH



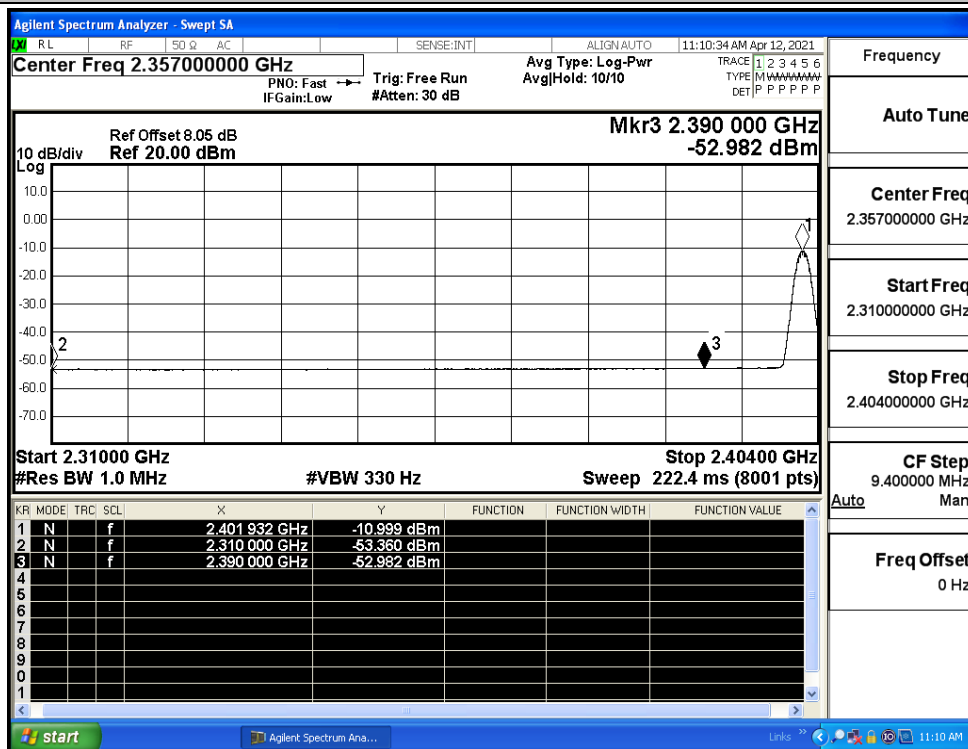
B.7 Restrict-band band-edge measurements

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	-43.97	4.2	0	55.46	PEAK	74	PASS
		Ant1	2310.0	-53.36	4.2	0	46.07	AV	54	PASS
		Ant1	2390.0	-42.44	4.2	0	56.99	PEAK	74	PASS
		Ant1	2390.0	-52.98	4.2	0	46.45	AV	54	PASS
	2480	Ant1	2483.5	-42.64	4.2	0	56.79	PEAK	74	PASS
		Ant1	2483.5	-52.39	4.2	0	47.04	AV	54	PASS
		Ant1	2500.0	-42.40	4.2	0	57.03	PEAK	74	PASS
		Ant1	2500.0	-52.30	4.2	0	47.13	AV	54	PASS

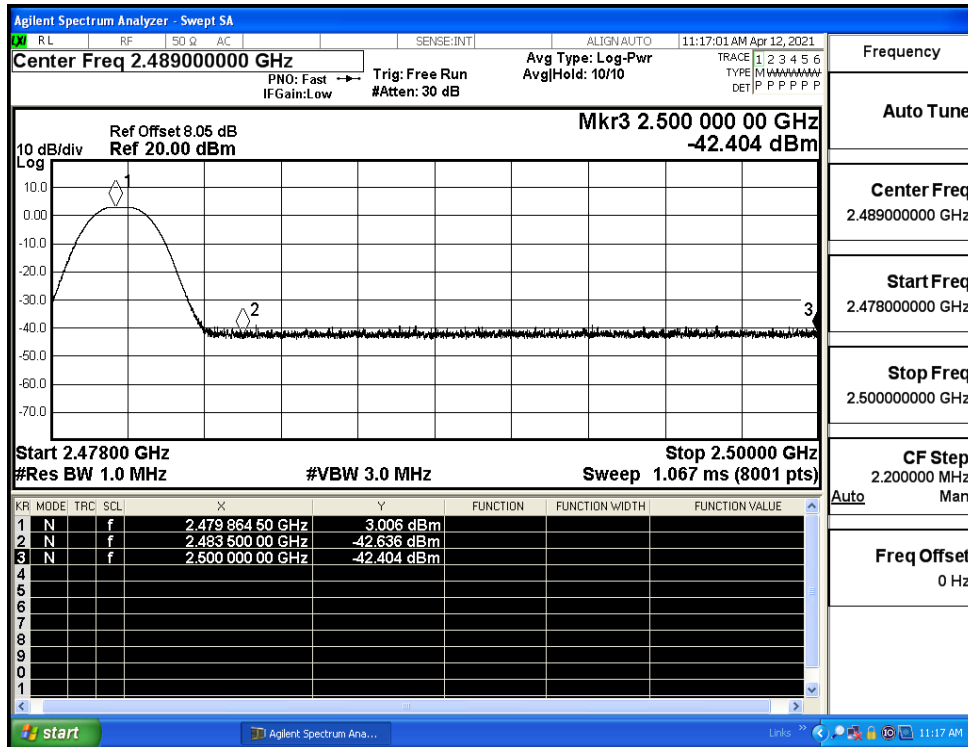
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

