

Appendix B

RF Test Data for BT 4.0(BLE) (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: HENA, ollee

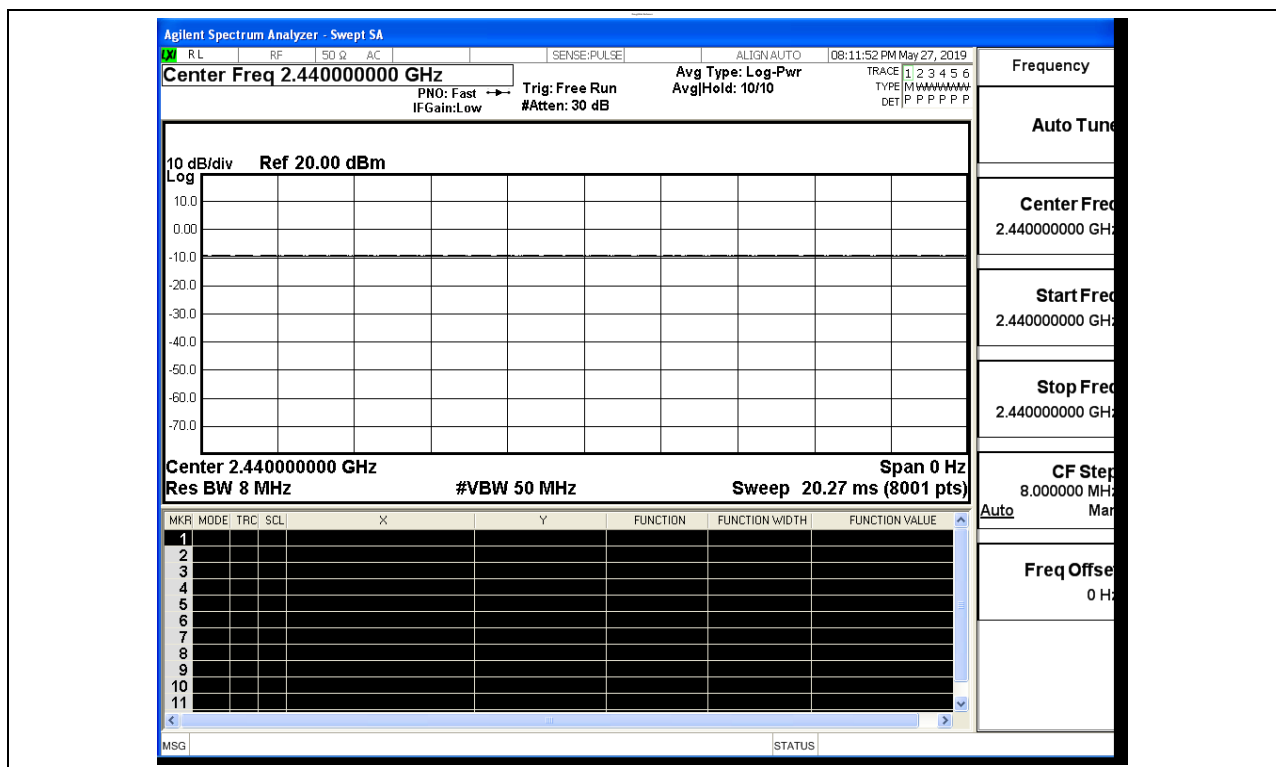
Test Model: EGQ378

Environmental Conditions

Temperature:	25.2 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	WANGCHUANG
Supervised by:	Tom.Liu

B.1 Duty Cycle

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

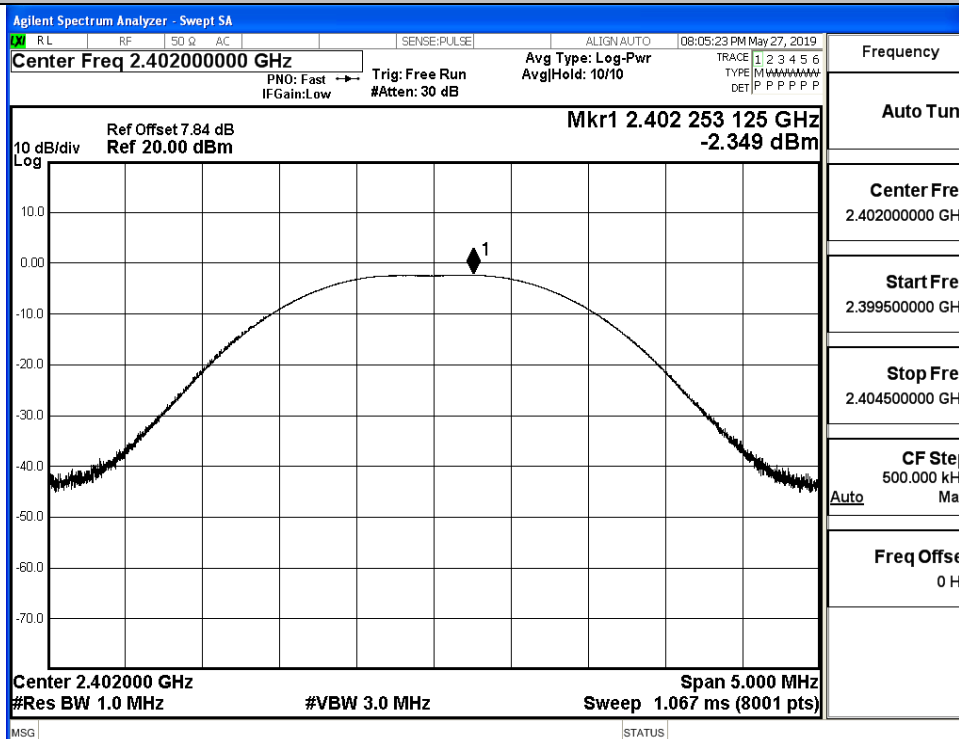


B.2 Maximum Conducted Peak Output Power

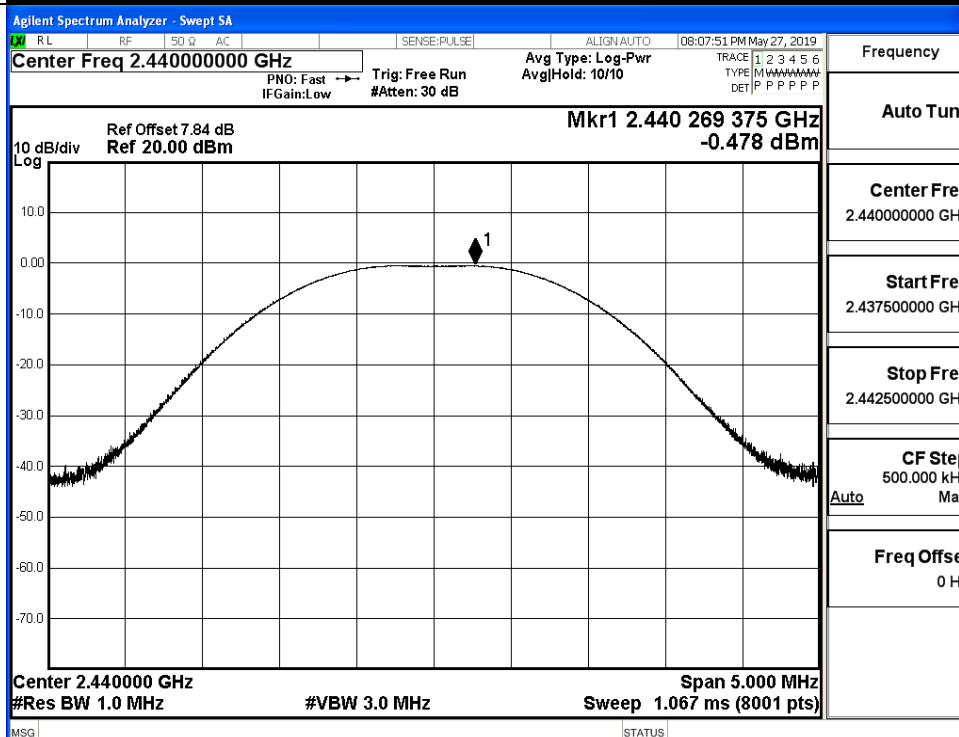
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.349	30	PASS
BT LE	MCH	-0.478	30	PASS
BT LE	HCH	-1.507	30	PASS

Test Graphs

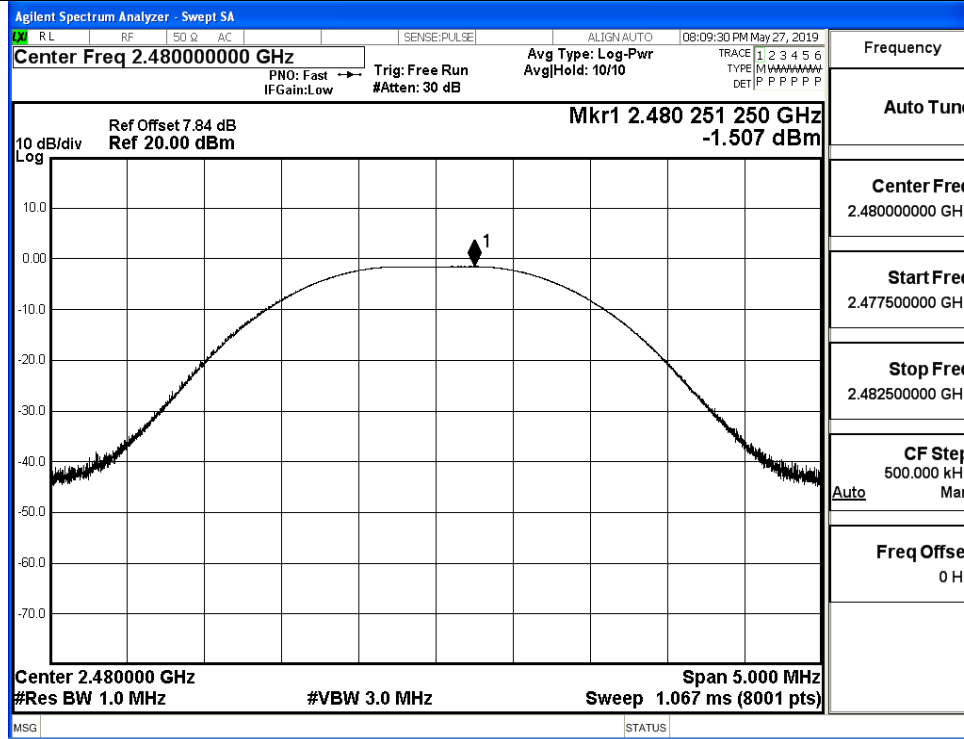
LCH



MCH



HCH

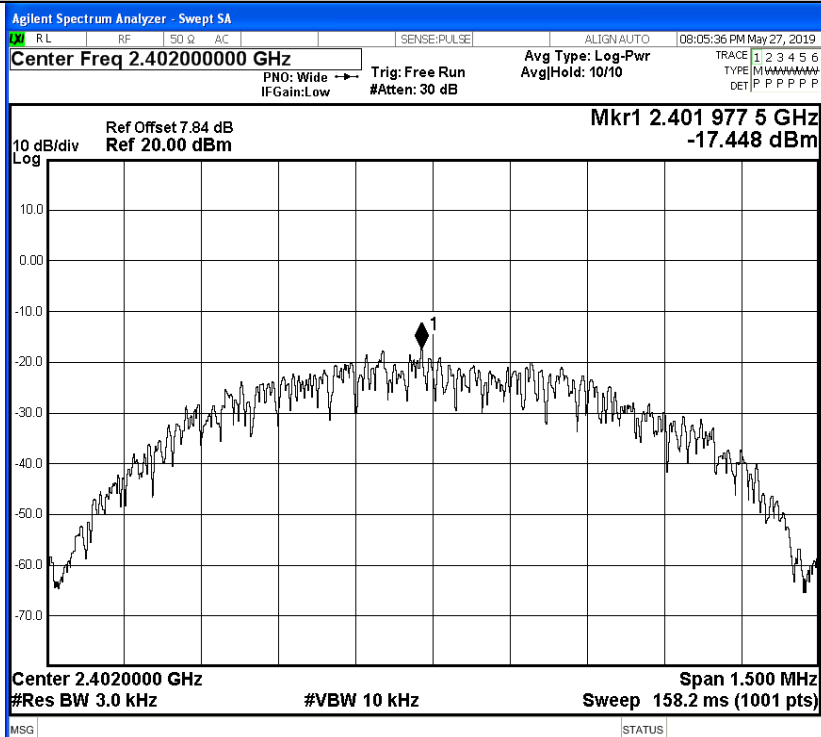


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.448	8	PASS
BT LE	MCH	-15.509	8	PASS
BT LE	HCH	-16.497	8	PASS

Test Graphs

LCH

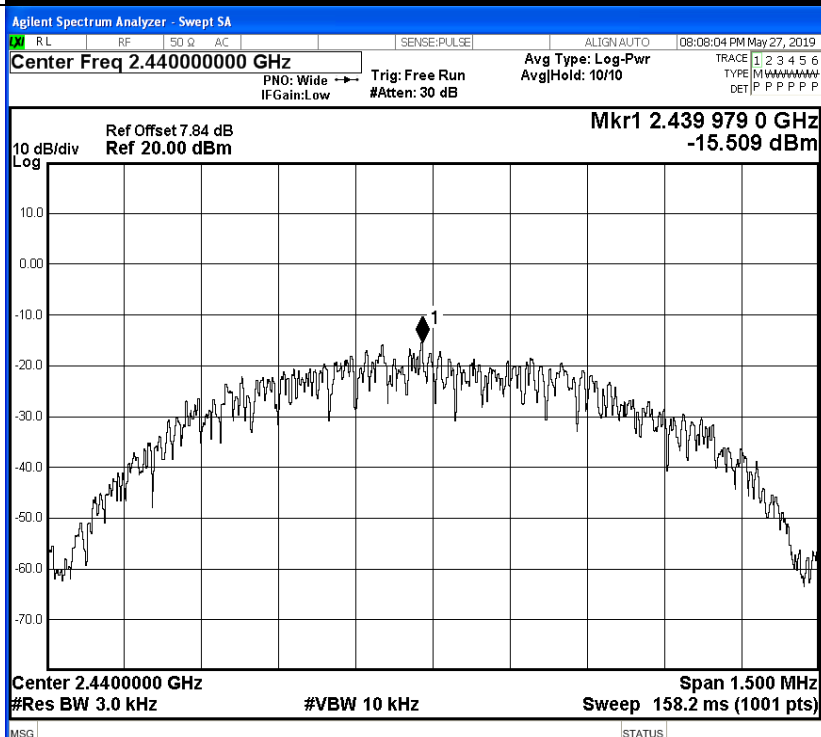


Frequency

Auto Tune

Center Freq
2.402000000 GHzStart Freq
2.401250000 GHzStop Freq
2.402750000 GHzCF Step
150.000 kHz
Auto MarFreq Offse
0 Hz

MCH

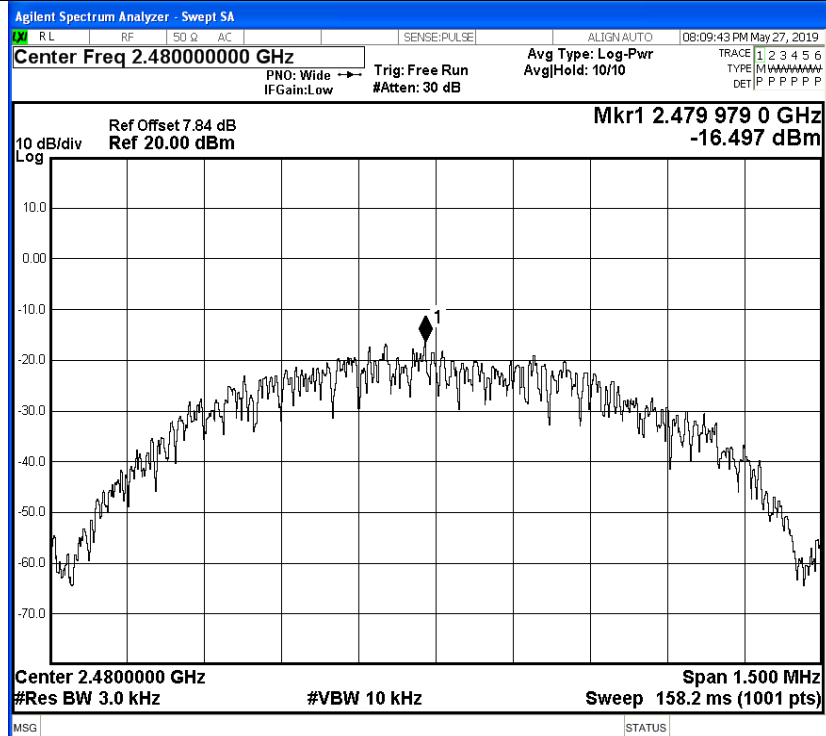


Frequency

Auto Tune

Center Freq
2.440000000 GHzStart Freq
2.439250000 GHzStop Freq
2.440750000 GHzCF Step
150.000 kHz
Auto MarFreq Offse
0 Hz

HCH



Frequency

Auto Tune

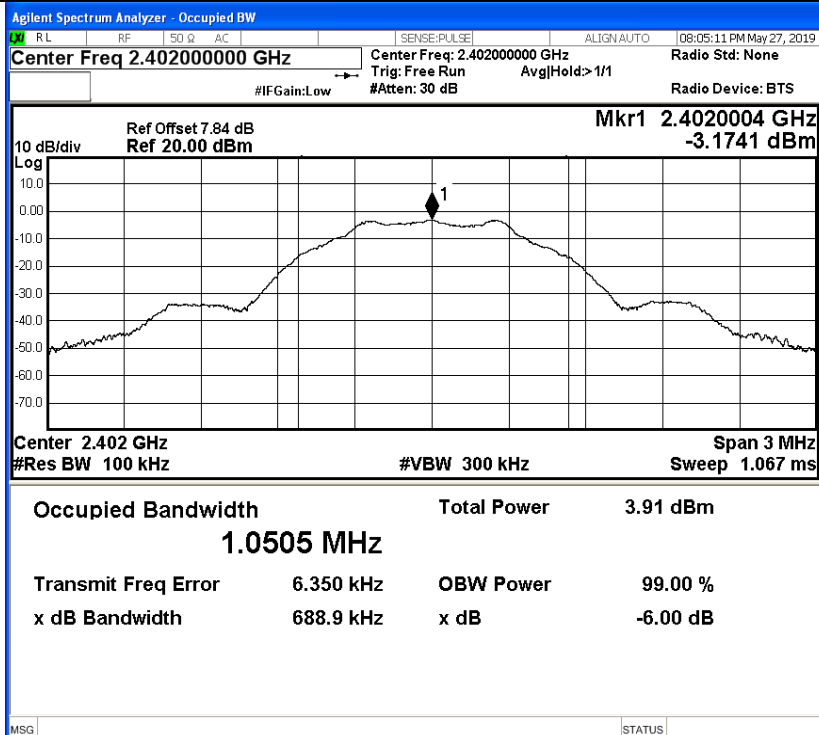
Center Freq
2.480000000 GHzStart Freq
2.479250000 GHzStop Freq
2.480750000 GHzCF Step
150.000 kHz
Auto MarFreq Offset
0 Hz

B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6889	≥ 0.5	PASS
BT LE	MCH	0.6872	≥ 0.5	PASS
BT LE	HCH	0.6864	≥ 0.5	PASS

Test Graphs

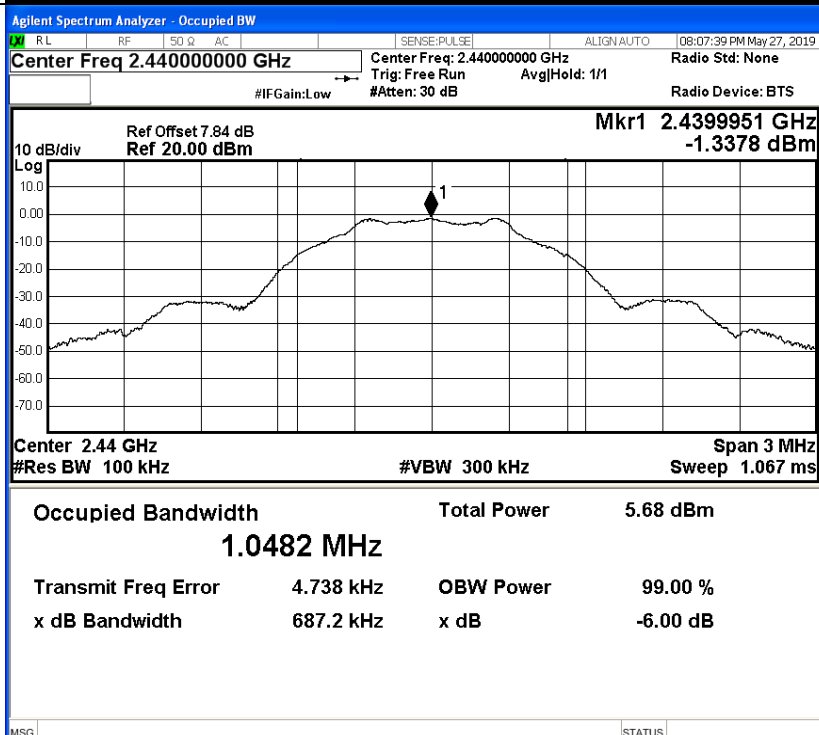
LCH



Frequency

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

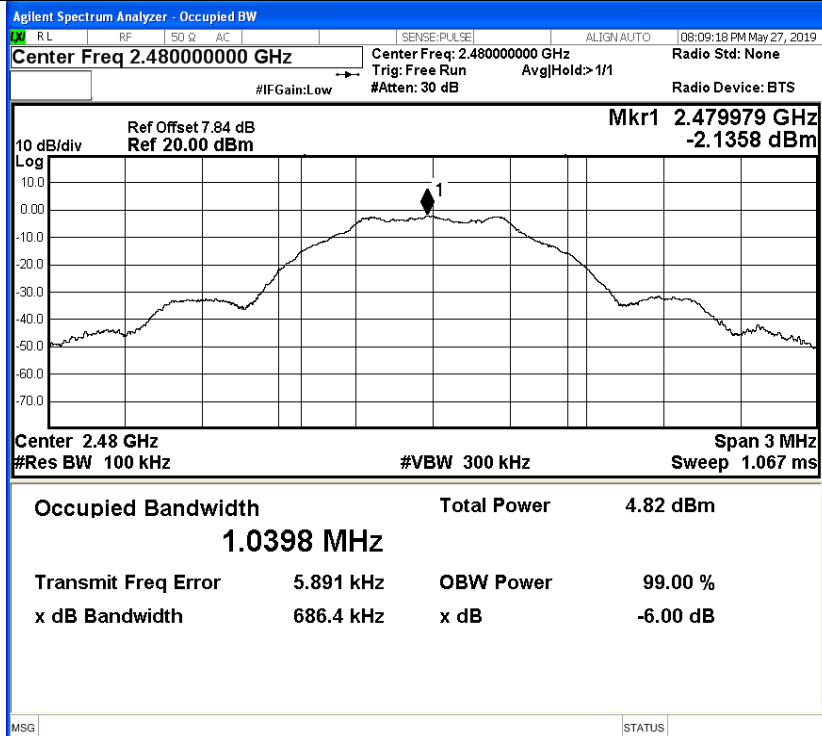
MCH



Frequency

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

HCH



Frequency

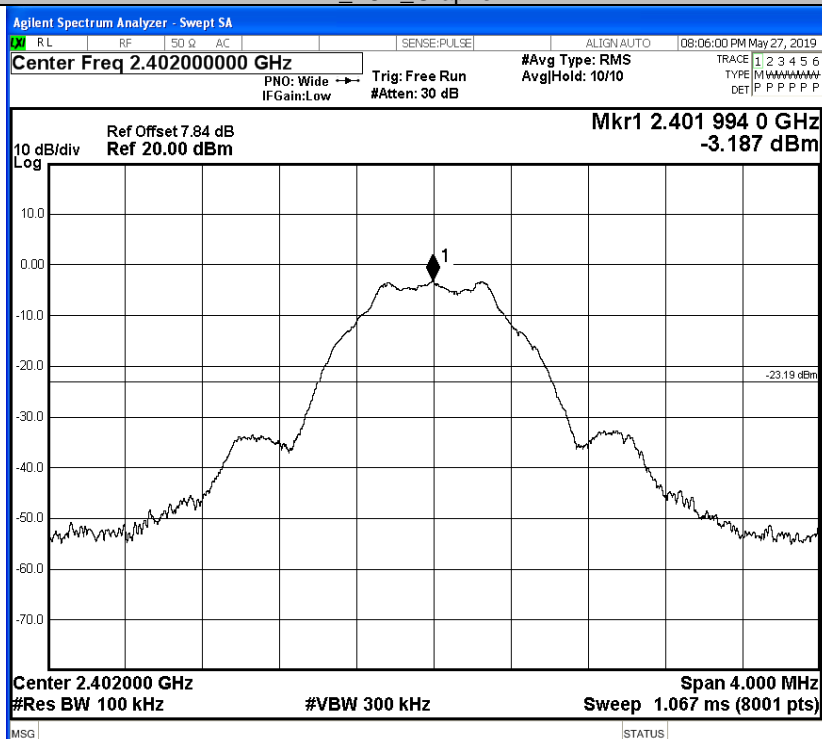
Center Freq
2.480000000 GHzCF Step
300.000 kHz
Auto MarFreq Offset
0 Hz

B.5 RF Conducted Spurious Emissions

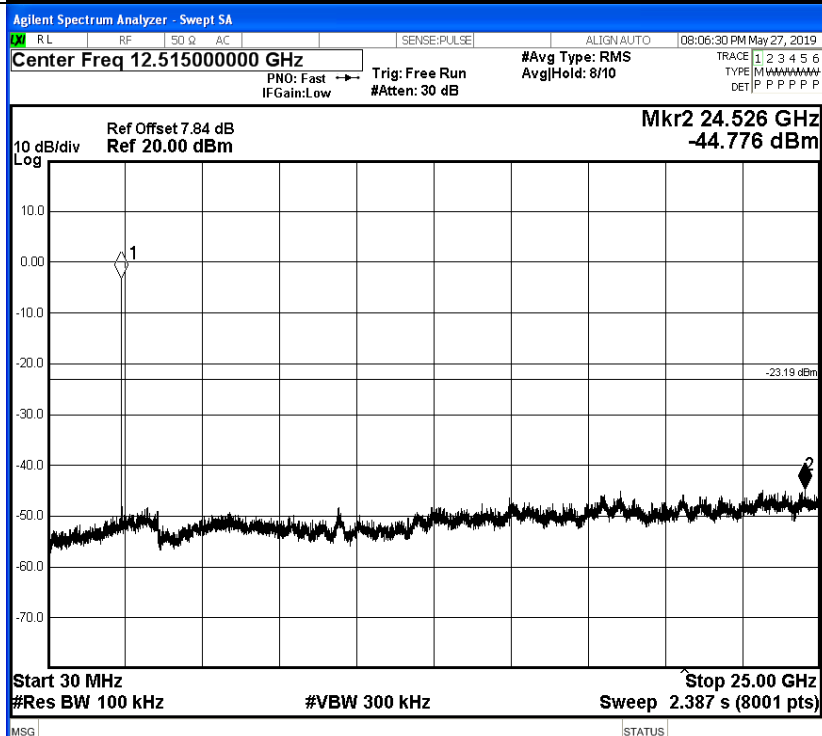
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.187	-44.776	-23.187	PASS
BT LE	MCH	-1.434	-44.483	-21.434	PASS
BT LE	HCH	-2.283	-44.718	-22.283	PASS

BT LE_LCH_Graphs

Pref/BT LE/LCH



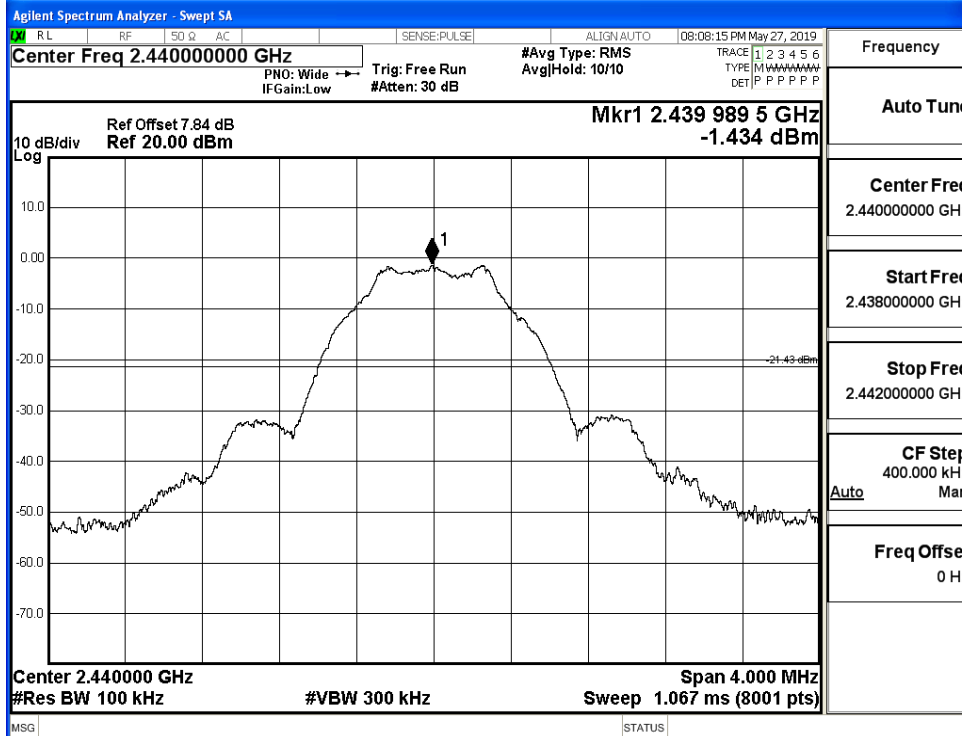
Puw/BT LE/LCH



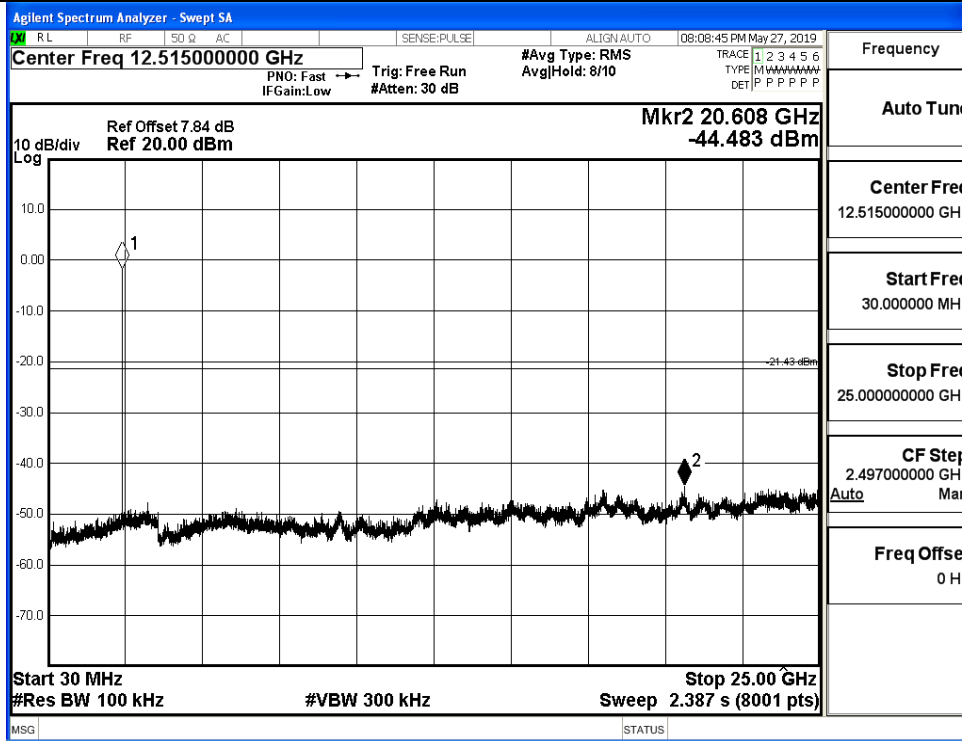
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BT LE_MCH_Graphs

Pref/BT LE/MCH

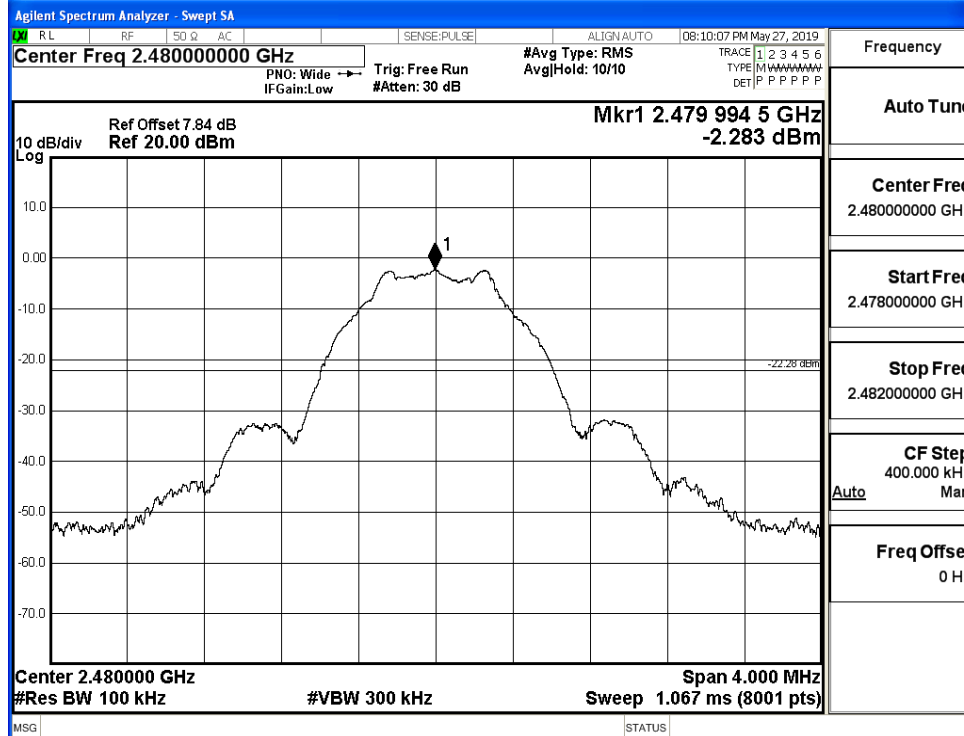


Puw/BT LE/MCH

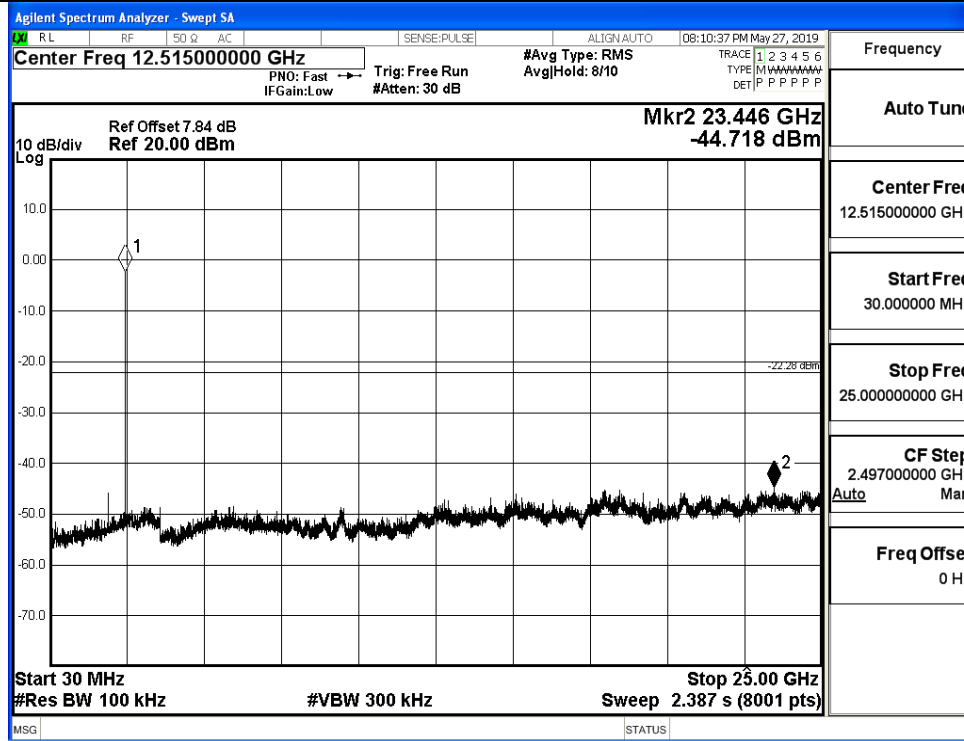


BT LE_HCH_Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

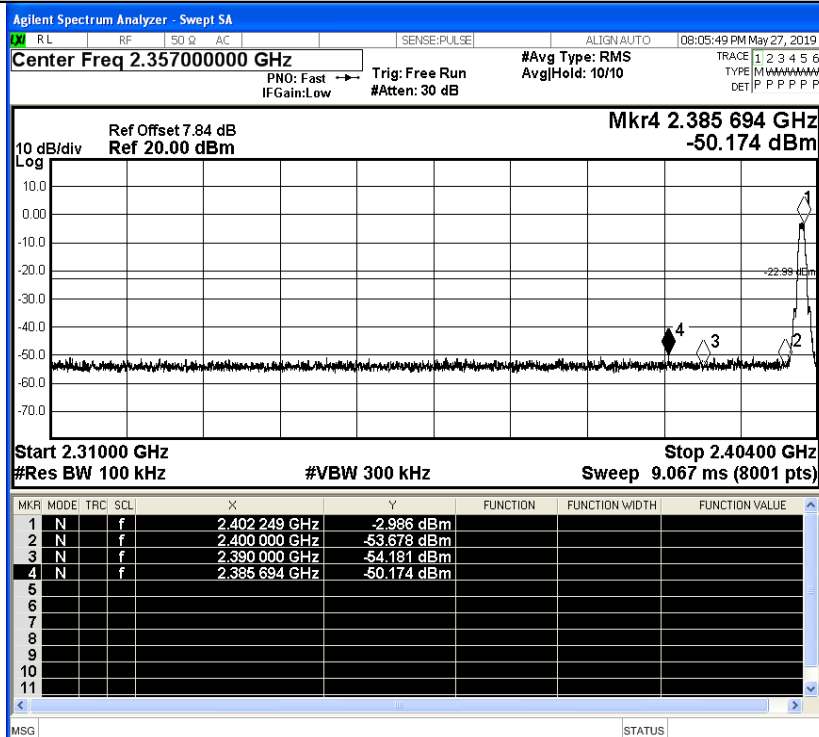


B.6 Band-edge for RF Conducted Emissions

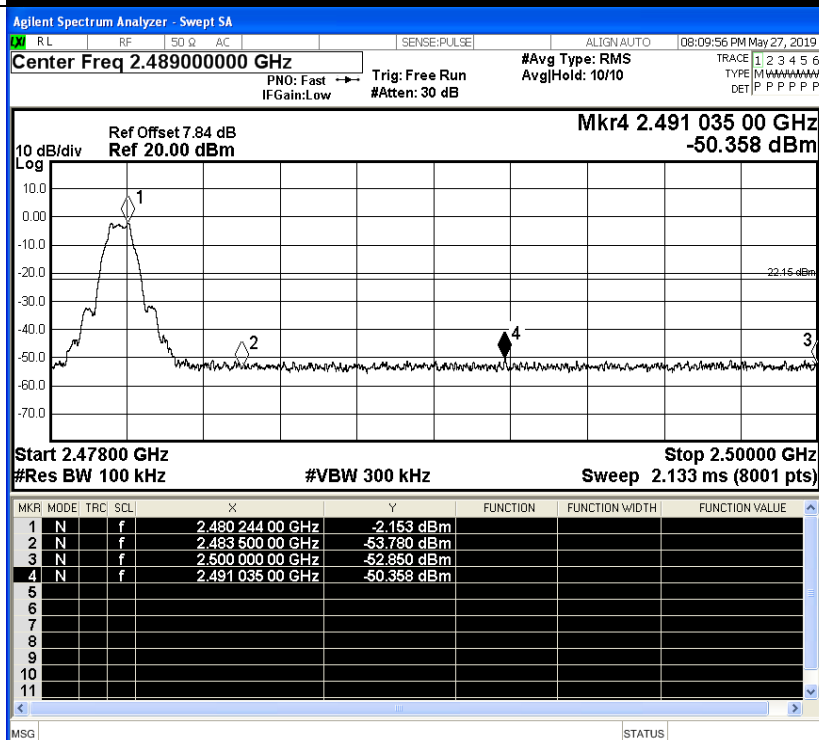
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.986	-50.174	-22.99	PASS
BT LE	HCH	-2.153	-50.358	-22.15	PASS

Test Graphs

LCH



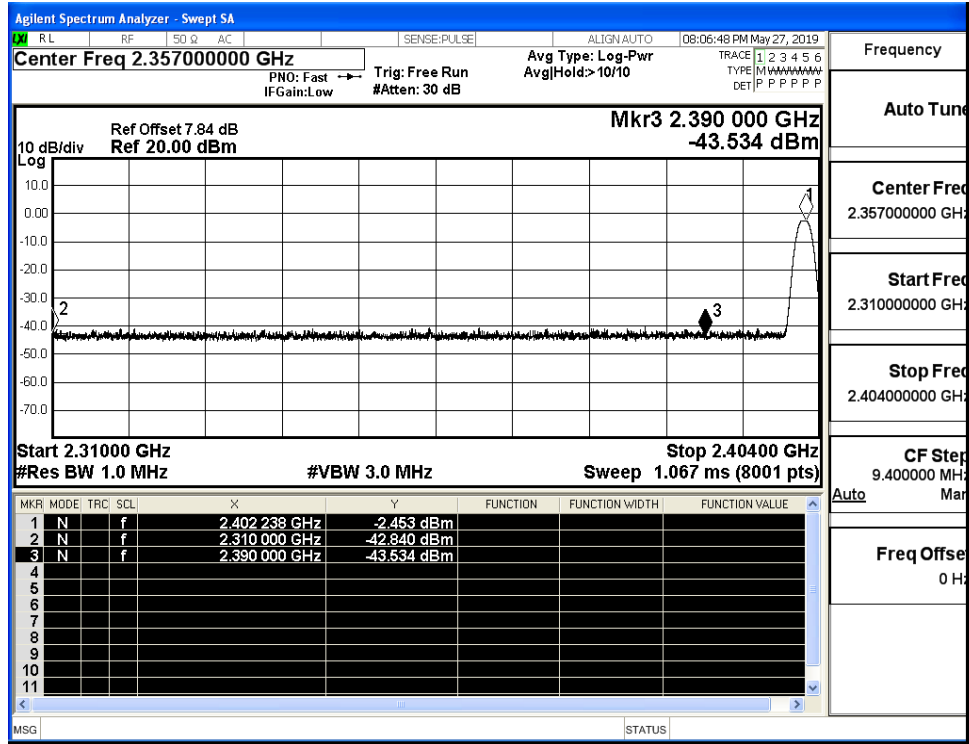
HCH



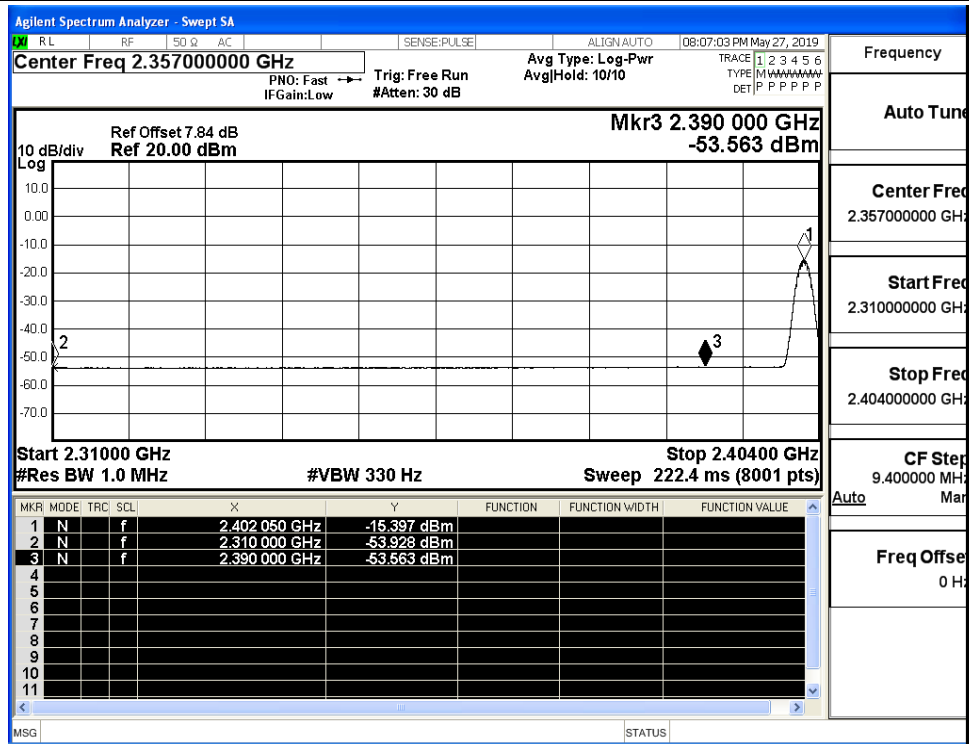
B.7 Restrict-band band-edge measurements

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	-42.84	2.0	0	52.42	PEAK	74	PASS
		Ant1	2310.0	-53.93	2.0	0	41.33	AV	54	PASS
		Ant1	2390.0	-43.53	2.0	0	51.72	PEAK	74	PASS
		Ant1	2390.0	-53.56	2.0	0	41.69	AV	54	PASS
	2480	Ant1	2483.5	-43.30	2.0	0	51.96	PEAK	74	PASS
		Ant1	2483.5	-53.39	2.0	0	41.86	AV	54	PASS
		Ant1	2500.0	-42.62	2.0	0	52.63	PEAK	74	PASS
		Ant1	2500.0	-53.18	2.0	0	42.08	AV	54	PASS

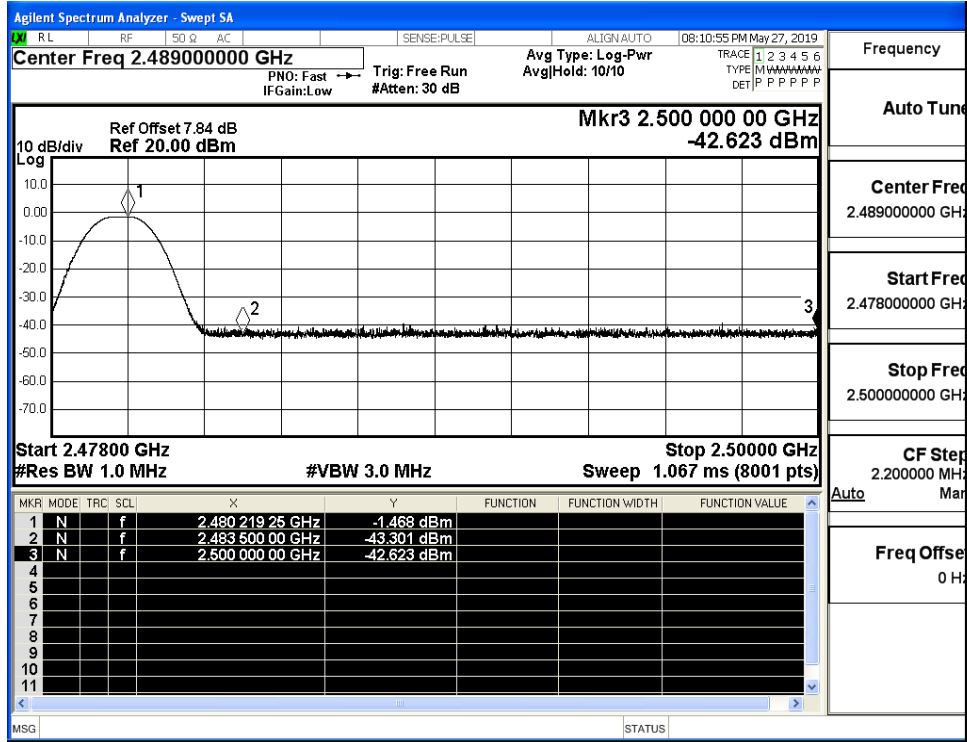
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

