

Appendix B

RF Test Data for BT V4.1 (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: H800B

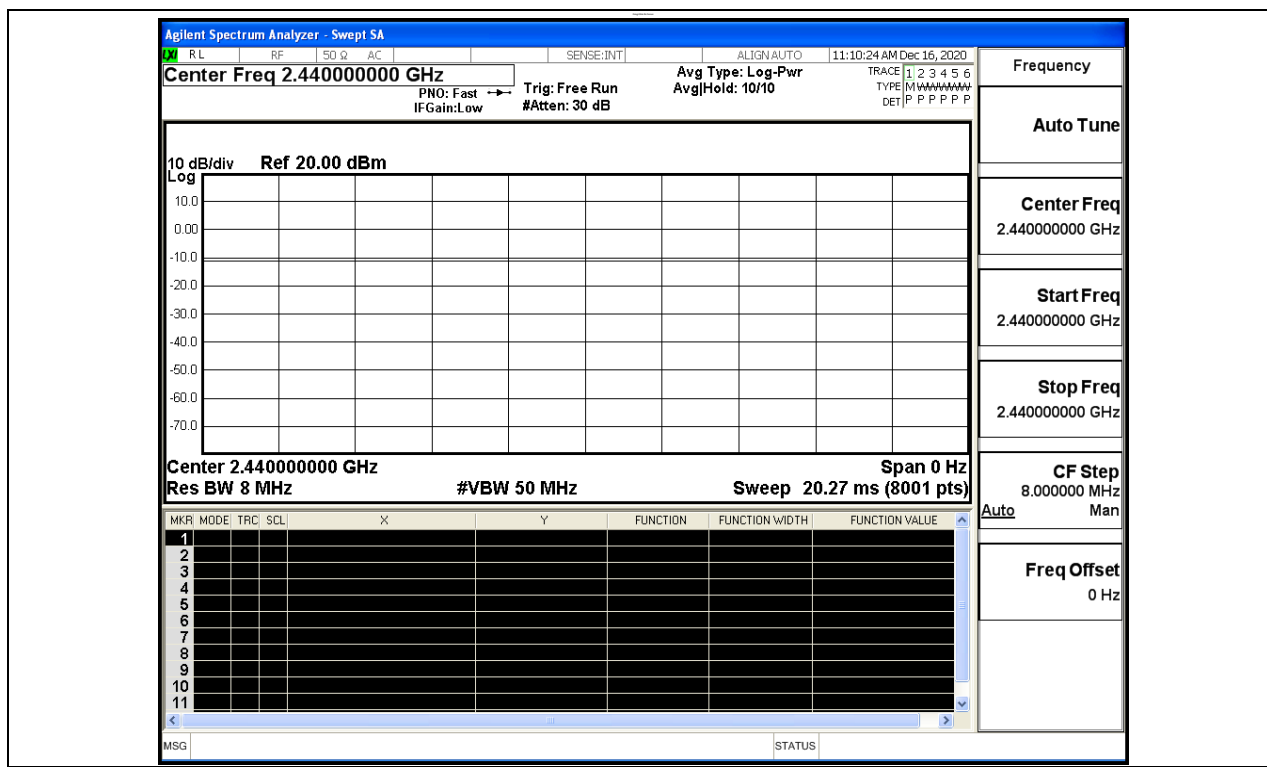
Test Model: RIGEL

Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

B.1 Duty Cycle

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

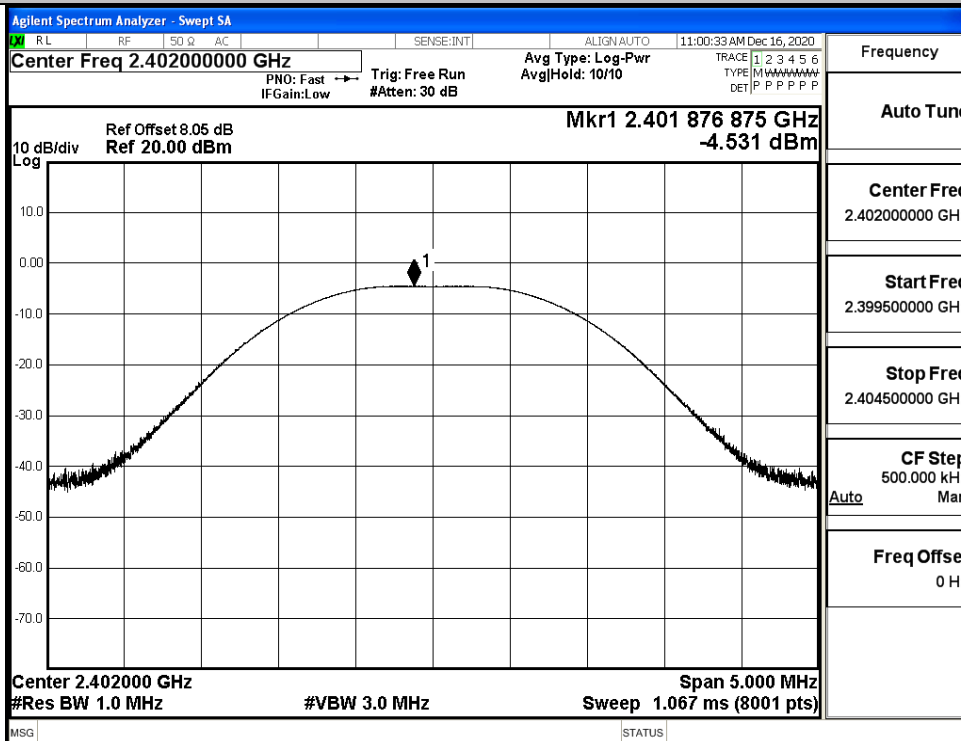


B.2 Maximum Conducted Peak Output Power

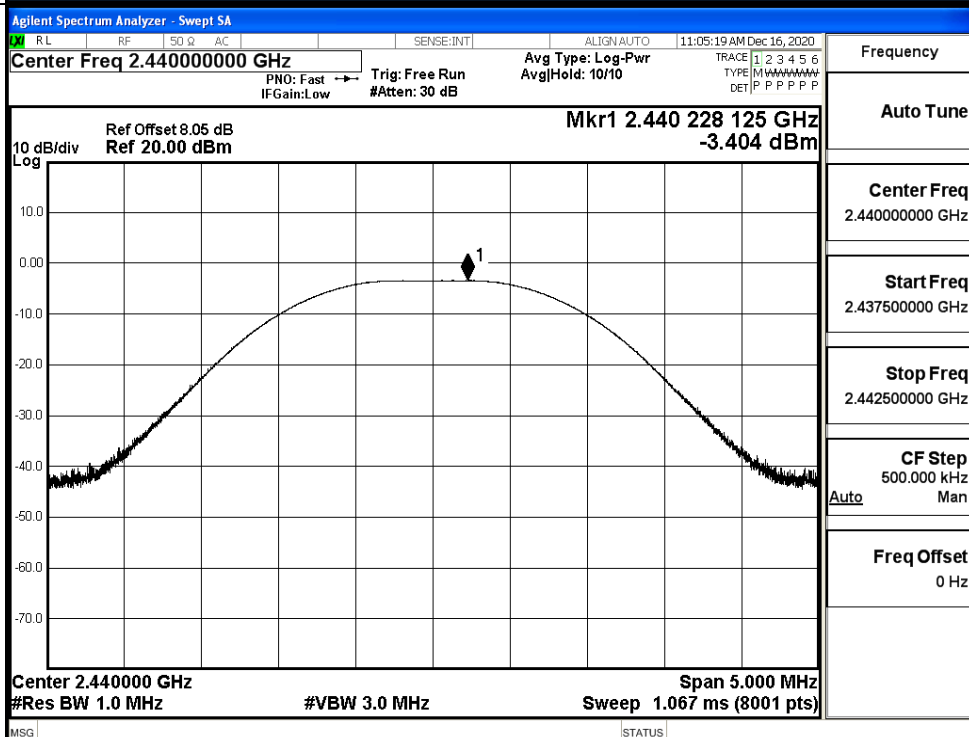
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.531	30	PASS
BT LE	MCH	-3.404	30	PASS
BT LE	HCH	-4.212	30	PASS

Test Graphs

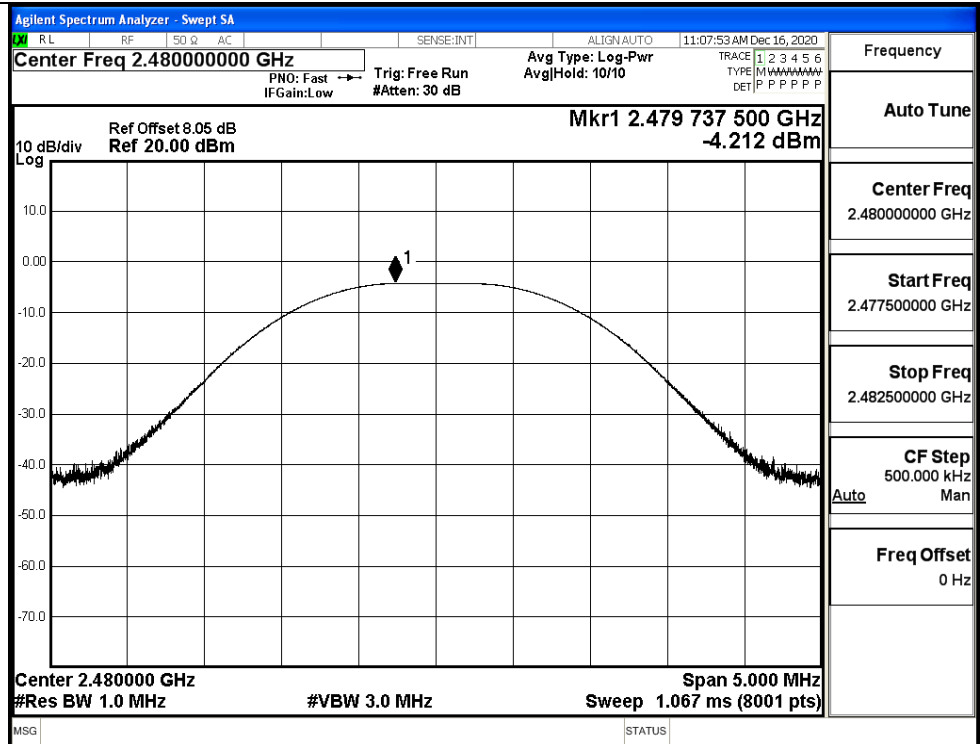
LCH



MCH



HCH

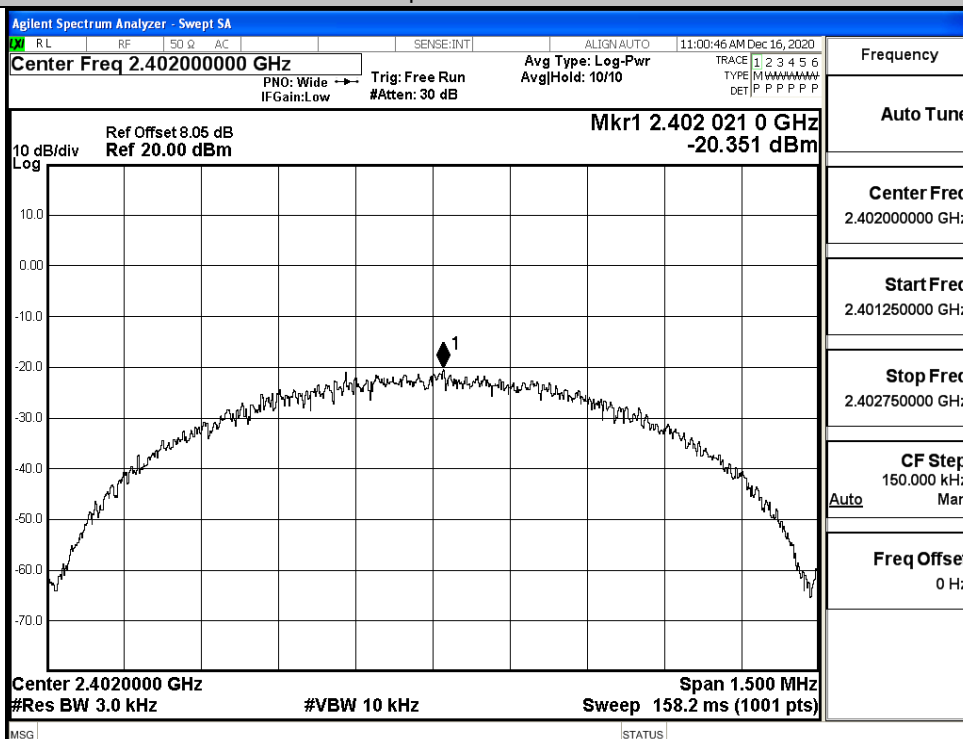


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-20.351	8	PASS
BT LE	MCH	-19.284	8	PASS
BT LE	HCH	-20.380	8	PASS

Test Graphs

LCH

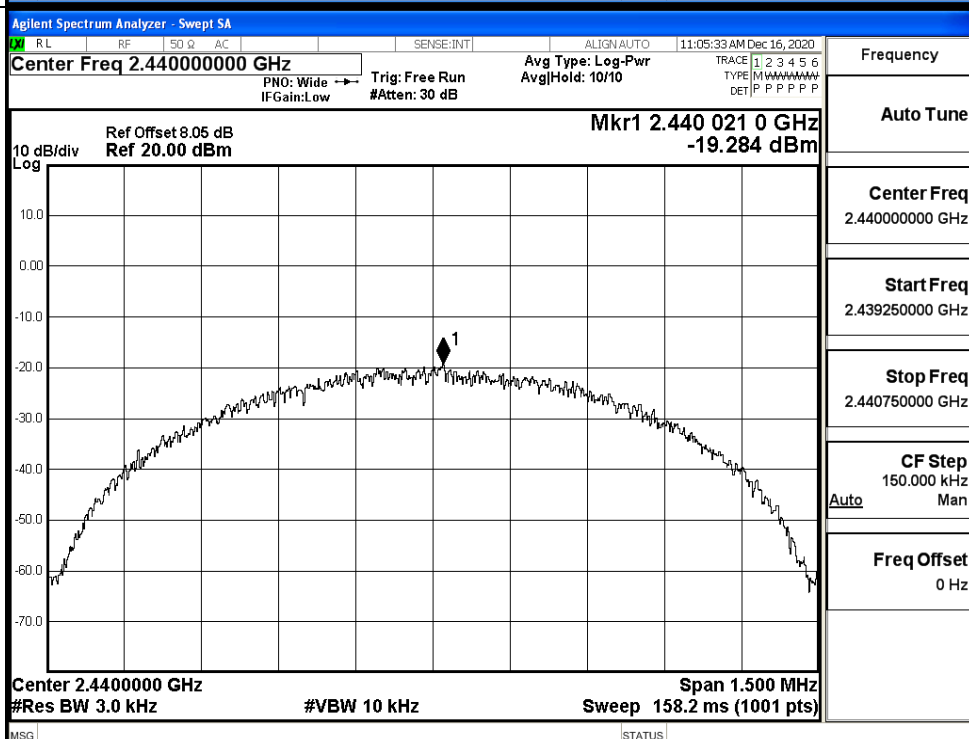


Frequency

Auto Tune

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

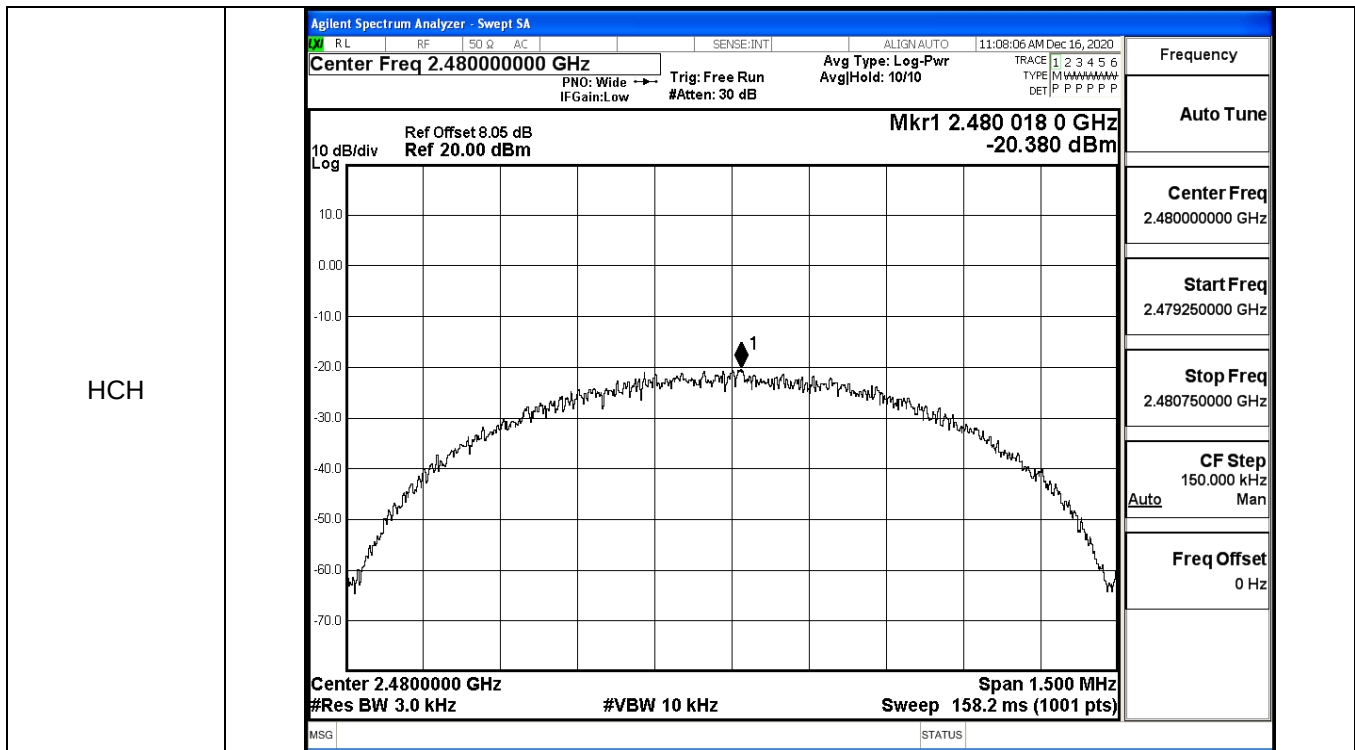
MCH



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

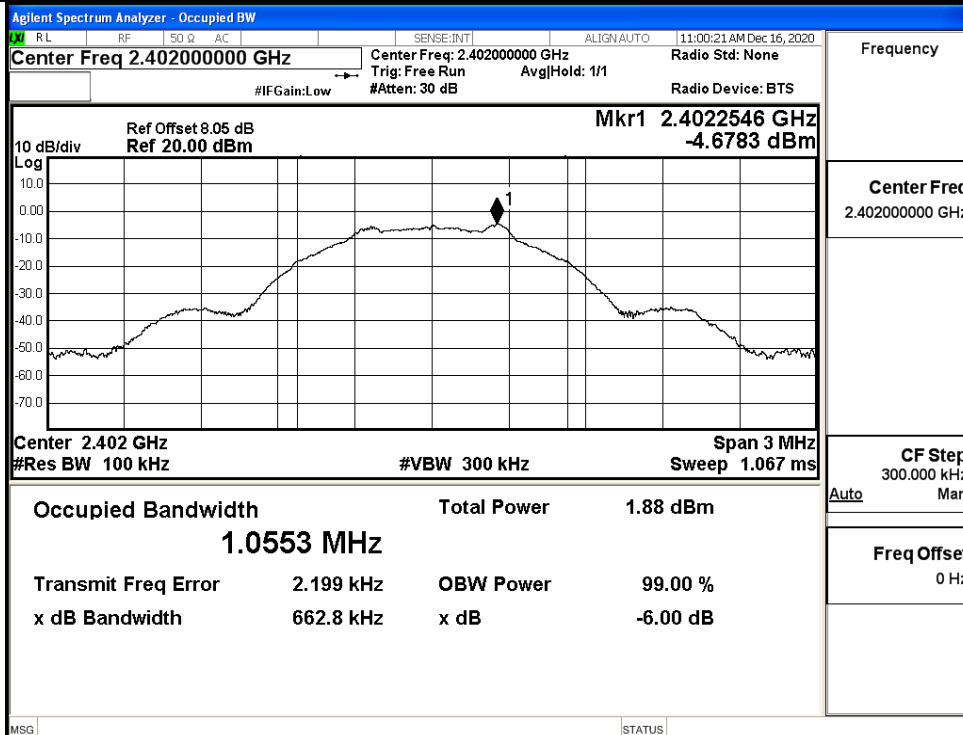


B.4 6dB Bandwidth

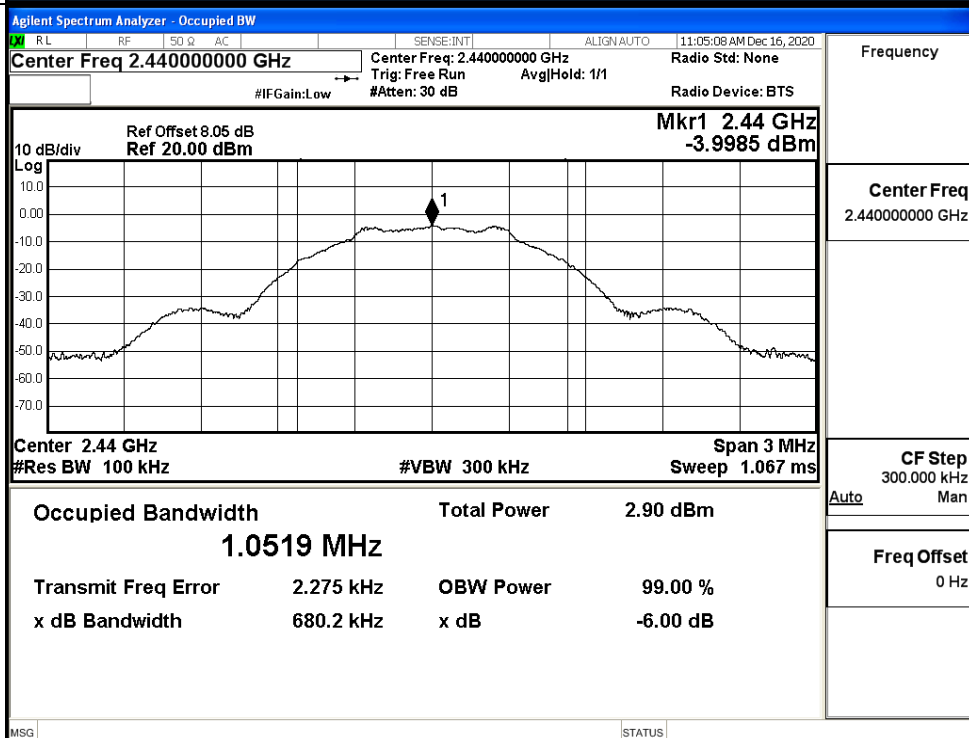
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6628	≥ 0.5	PASS
BT LE	MCH	0.6802	≥ 0.5	PASS
BT LE	HCH	0.6623	≥ 0.5	PASS

Test Graphs

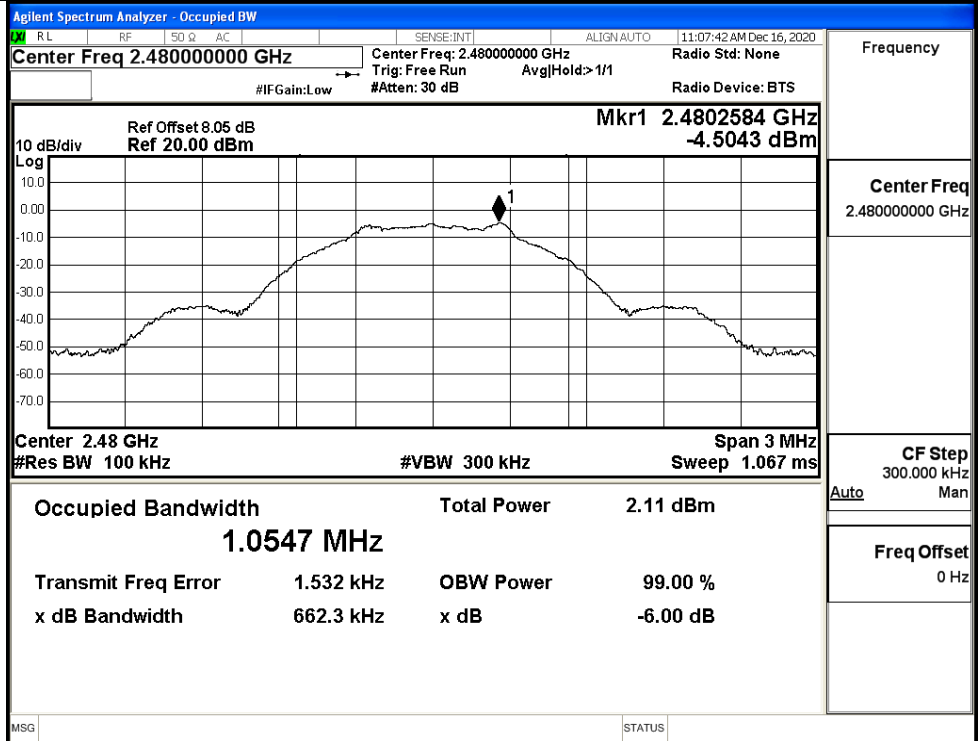
LCH



MCH



HCH

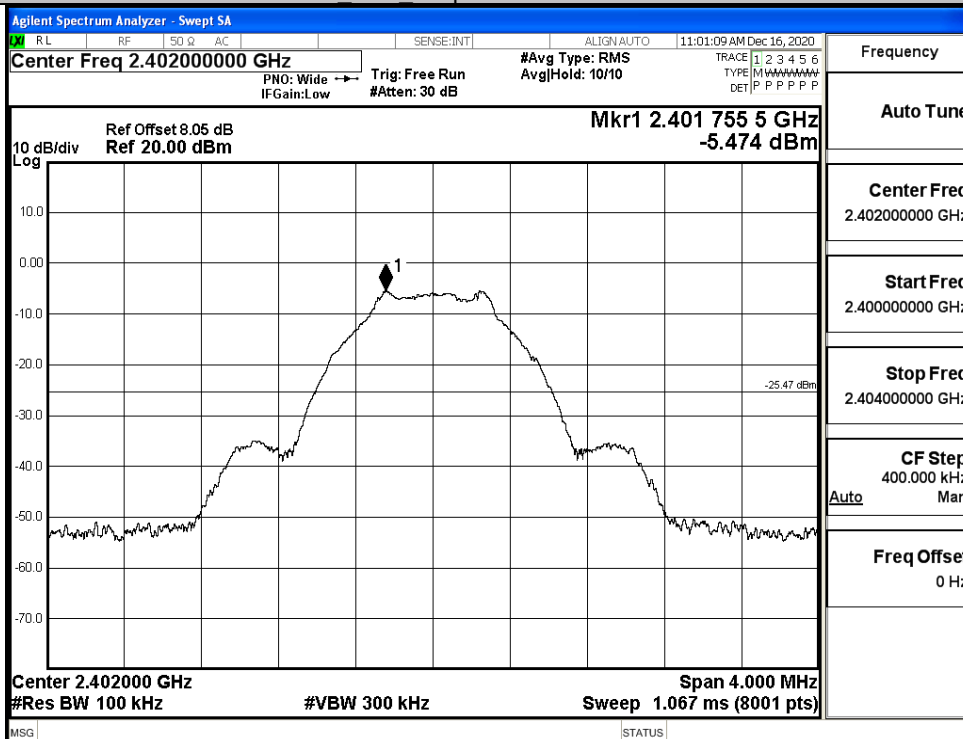


B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-5.474	-36.903	-25.474	PASS
BT LE	MCH	-4.404	-37.394	-24.404	PASS
BT LE	HCH	-4.938	-37.972	-24.938	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

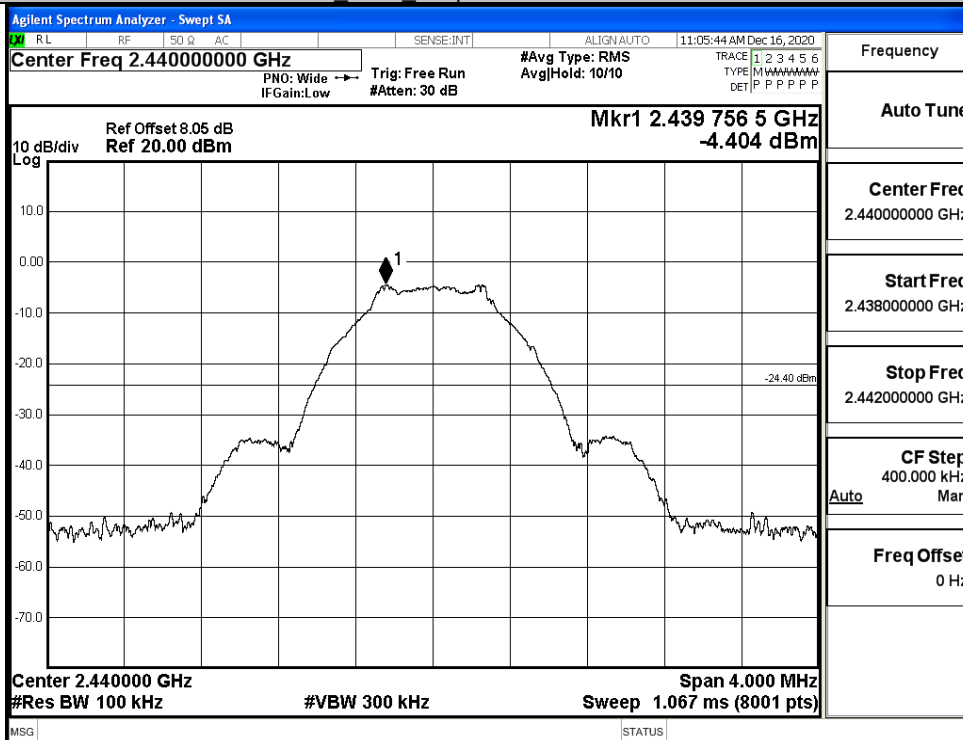


Puw/BT LE/LCH



BT LE MCH Graphs

Pref/BT LE/MCH

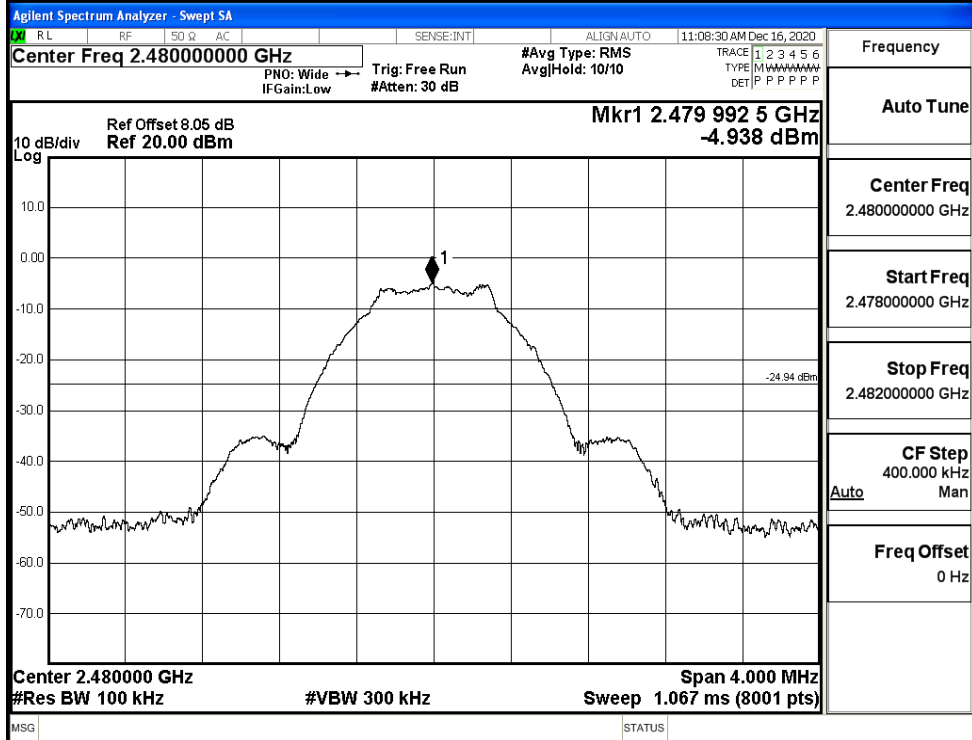


Puw/BT LE/MCH

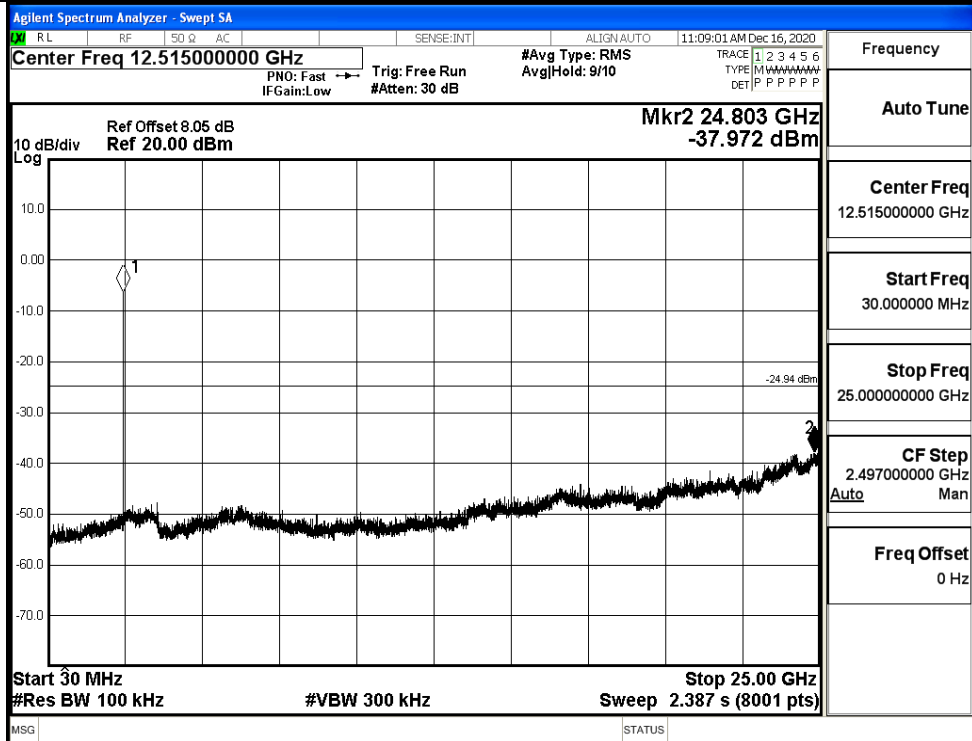


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

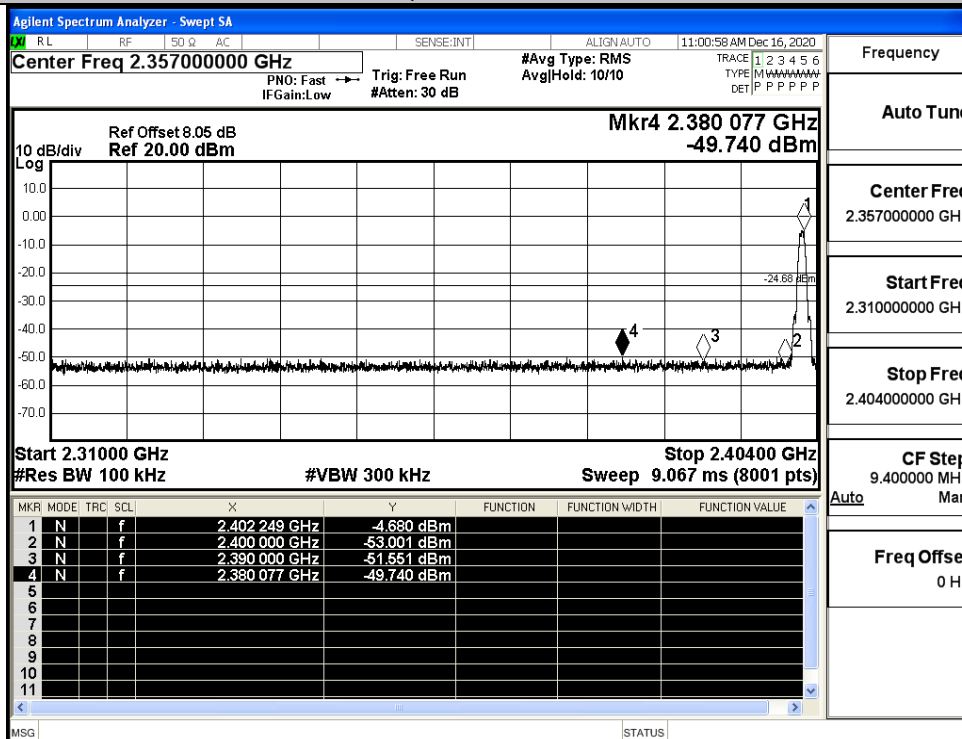


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.680	-49.740	-24.68	PASS
BT LE	HCH	-4.774	-49.034	-24.77	PASS

Test Graphs

LCH

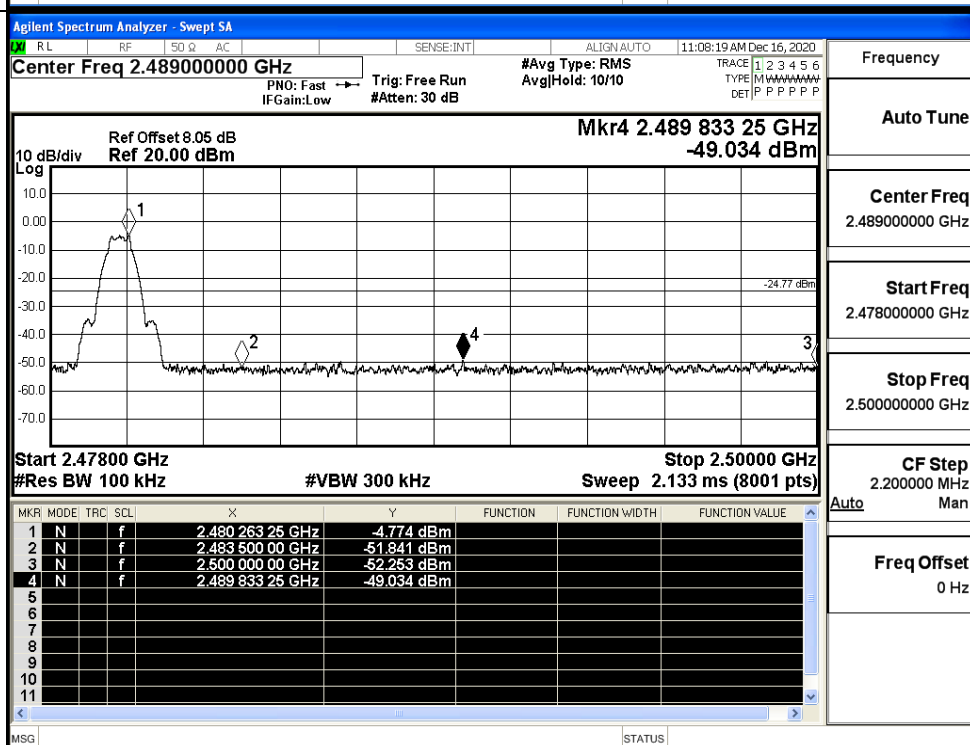


Frequency

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

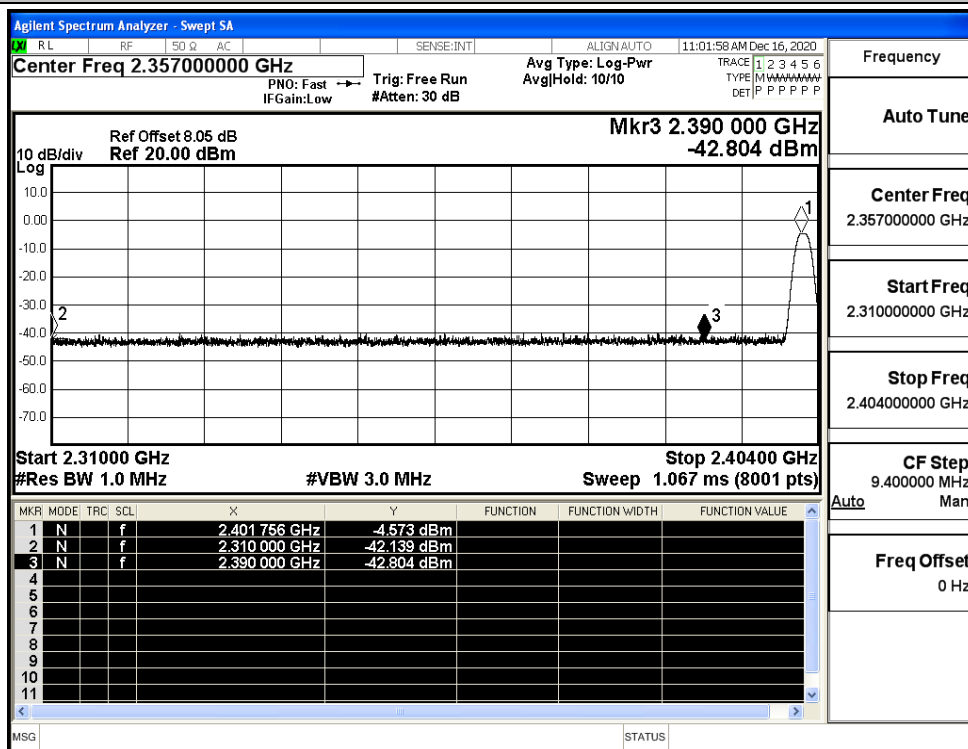
Auto Tune

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

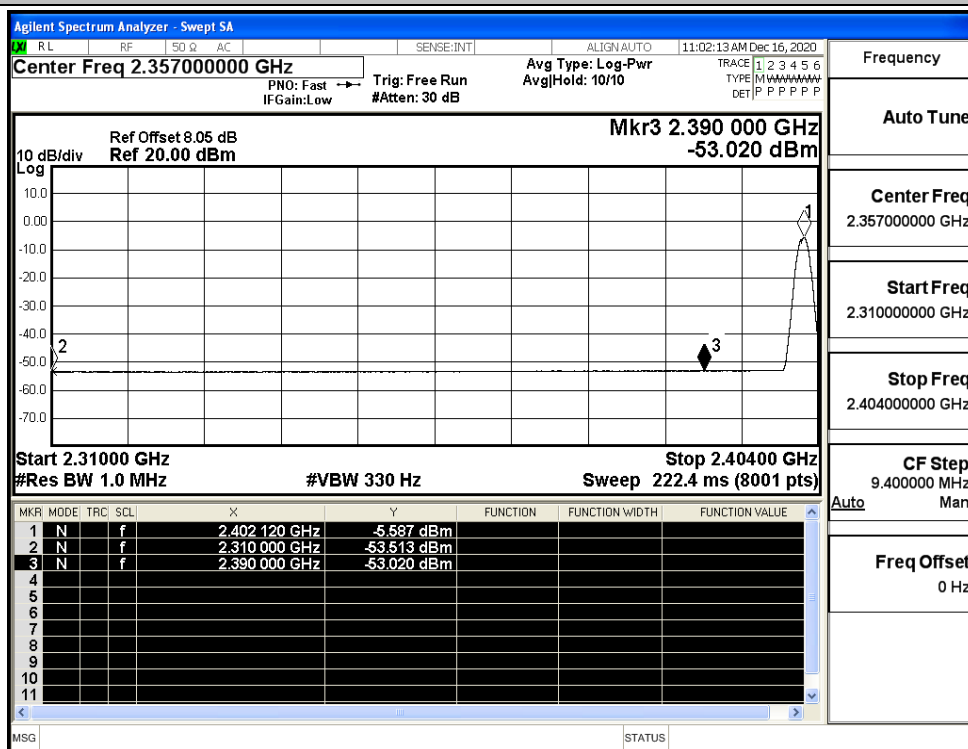
B.7 Restrict-band band-edge measurements

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	-42.14	2.1	0	55.19	PEAK	74	PASS
		Ant1	2310.0	-53.51	2.1	0	43.82	AV	54	PASS
		Ant1	2390.0	-42.80	2.1	0	54.53	PEAK	74	PASS
		Ant1	2390.0	-53.02	2.1	0	44.31	AV	54	PASS
	2480	Ant1	2483.5	-42.58	2.1	0	54.75	PEAK	74	PASS
		Ant1	2483.5	-52.69	2.1	0	44.64	AV	54	PASS
		Ant1	2500.0	-40.70	2.1	0	56.63	PEAK	74	PASS
		Ant1	2500.0	-52.40	2.1	0	44.93	AV	54	PASS

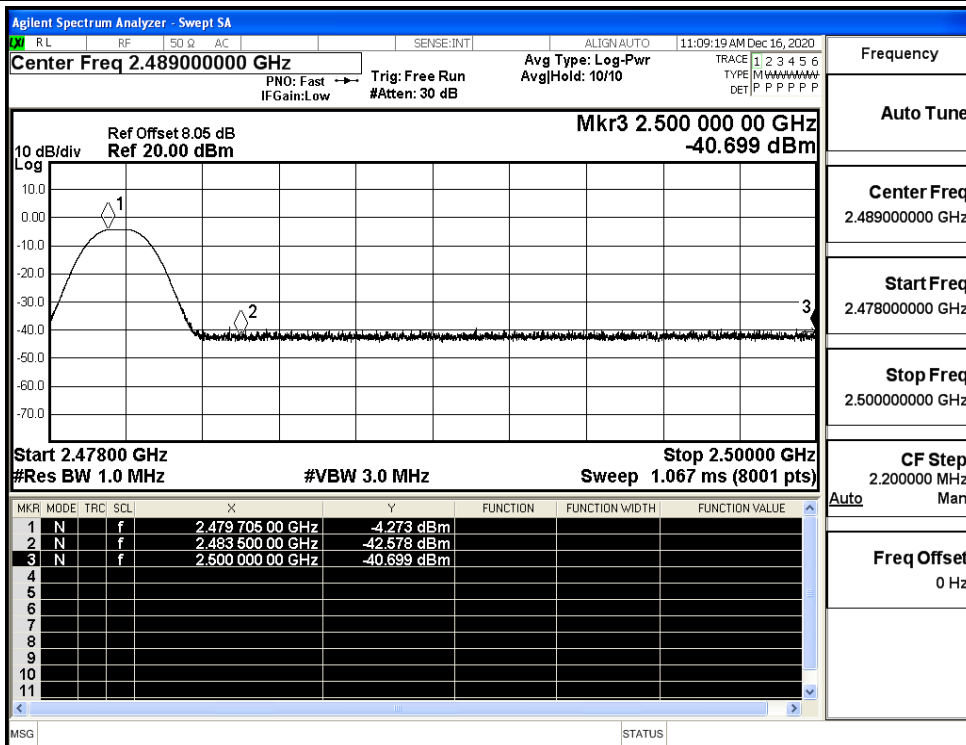
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

