

Appendix B

RF Test Data for BT LE V5.0(BDR/EDR) (Conducted Measurement)

Product Name: MEITRACK GPS P88L

Trade Mark: MEITRACK®

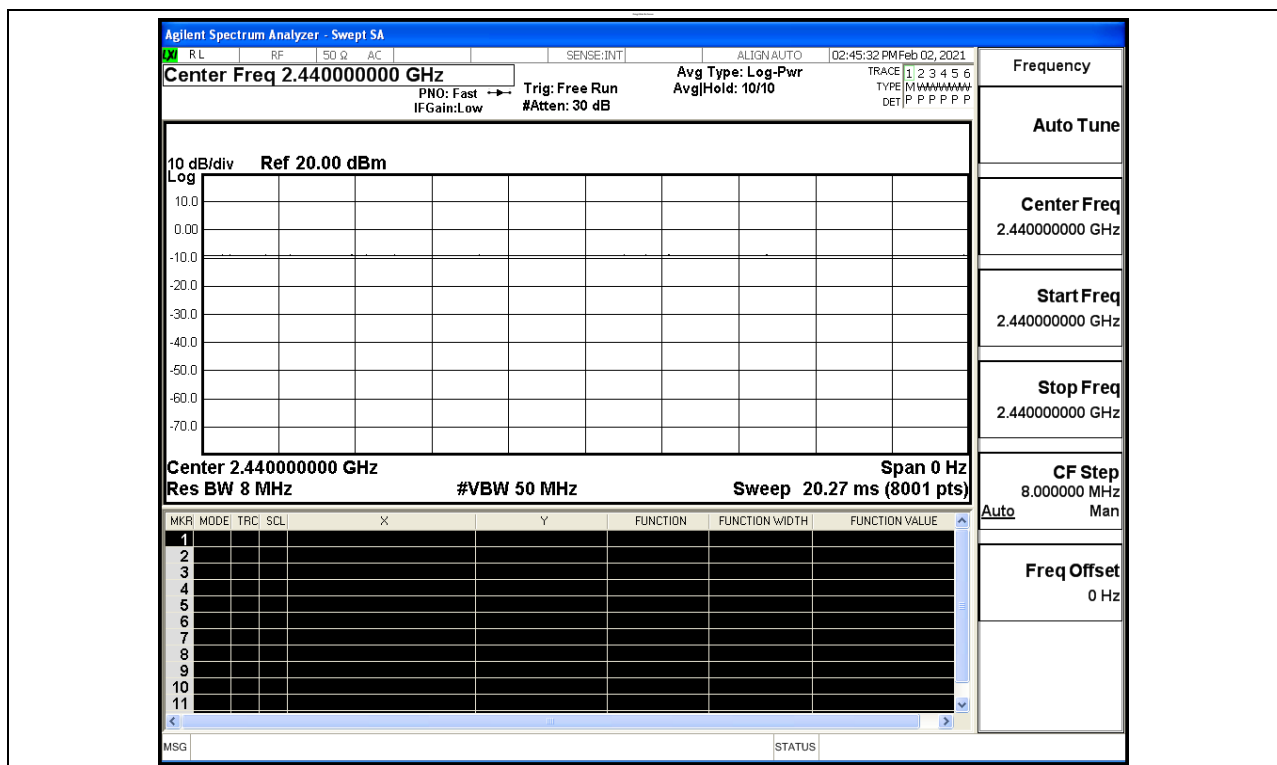
Test Model: P88L-A

Environmental Conditions

Temperature:	22.8° C
Relative Humidity:	53.3%
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

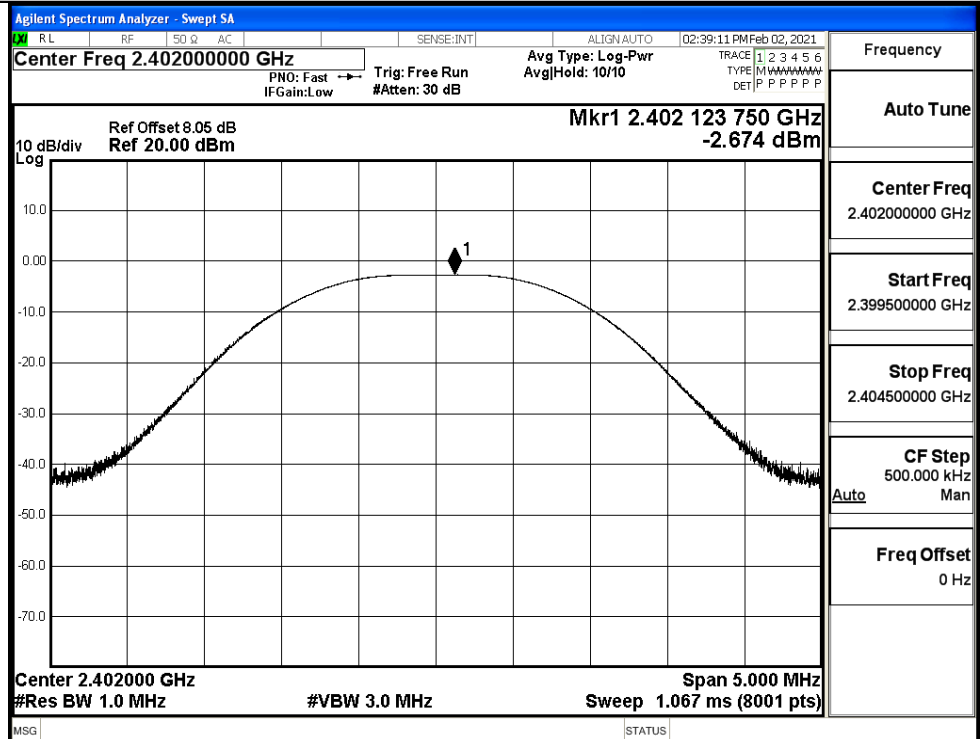


B.2 Maximum Conducted Peak Output Power

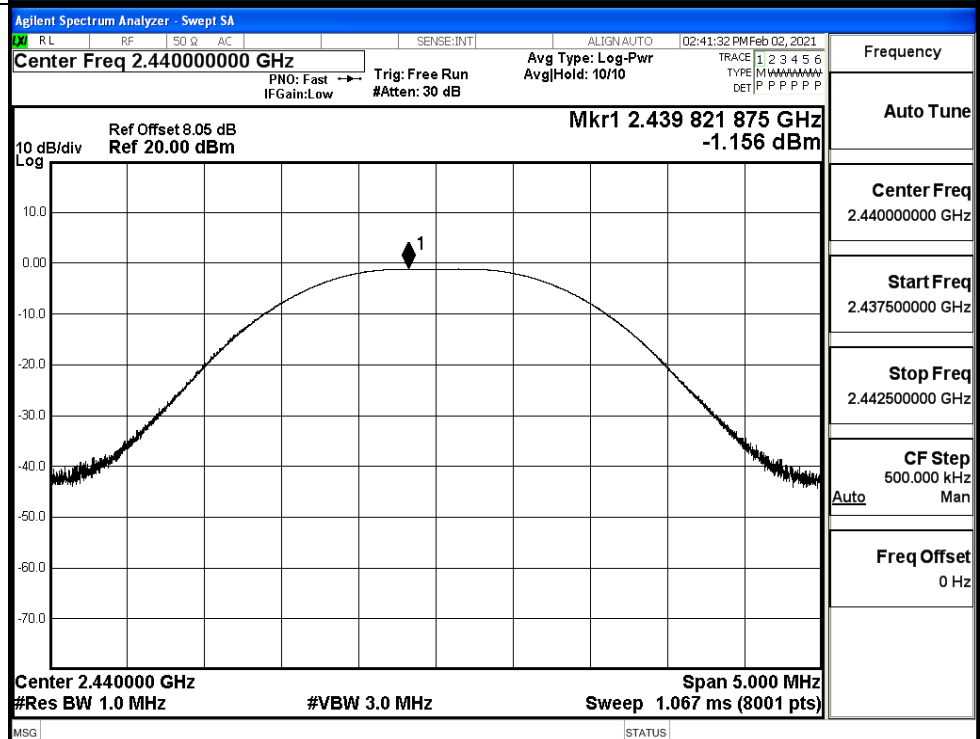
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.674	30	PASS
BT LE	MCH	-1.156	30	PASS
BT LE	HCH	-2.69	30	PASS

Test Graphs

LCH



MCH



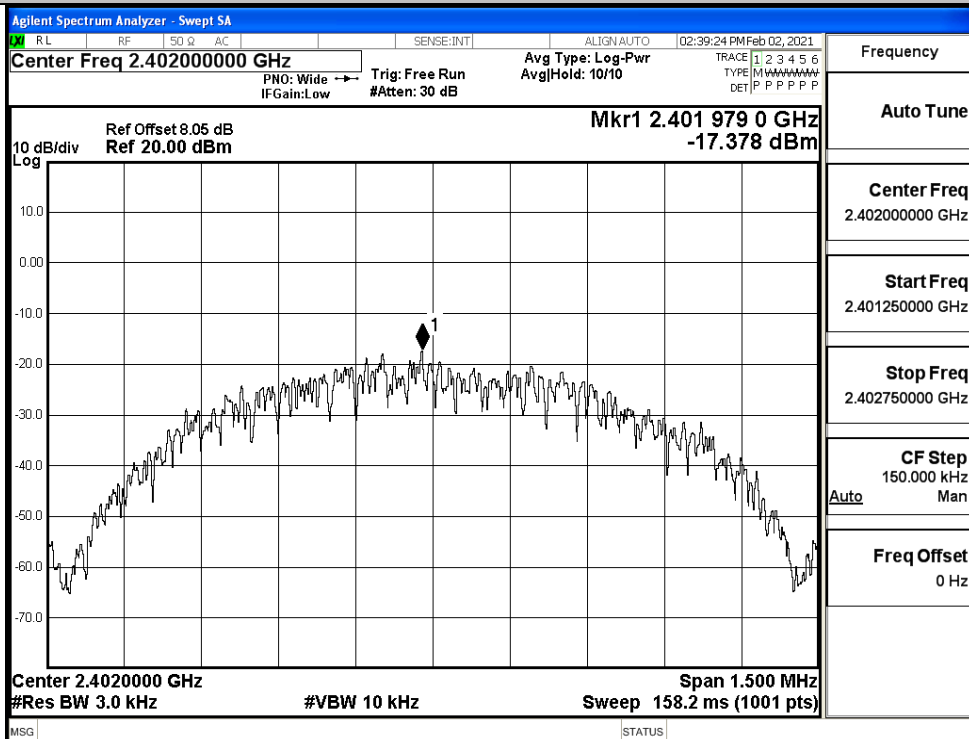


B.3 Maximum Power Spectral Density

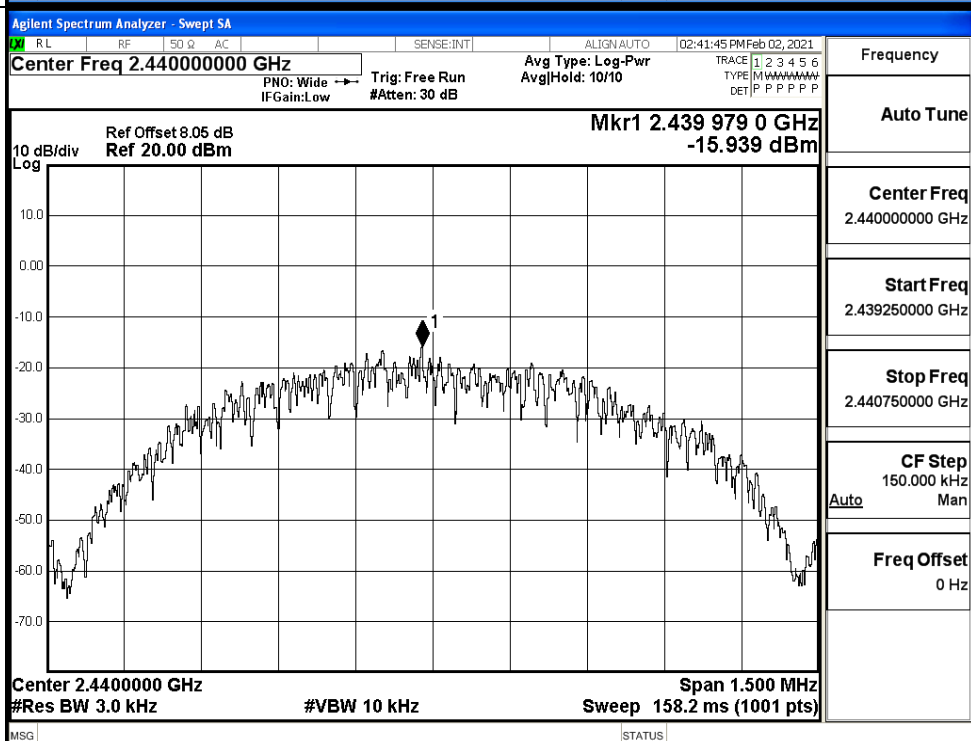
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.378	8	PASS
BT LE	MCH	-15.939	8	PASS
BT LE	HCH	-17.521	8	PASS

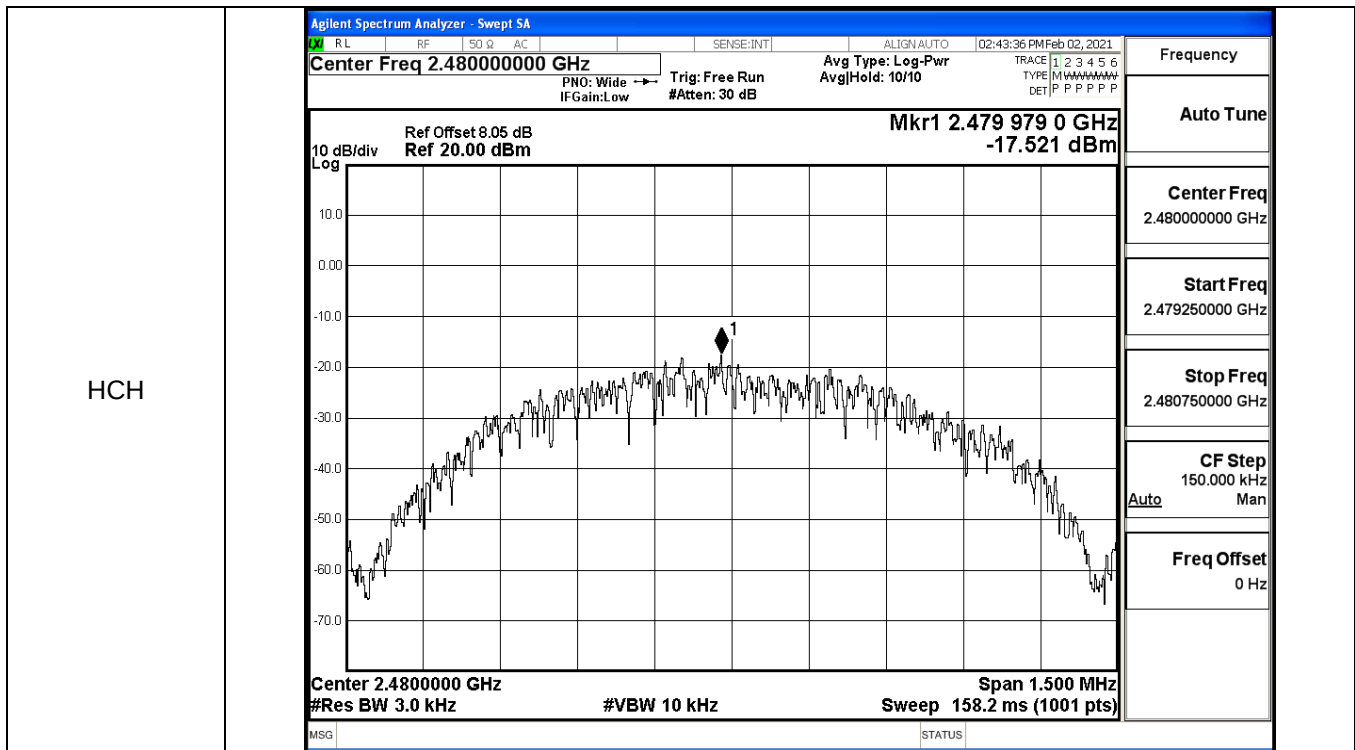
Test Graphs

LCH



MCH



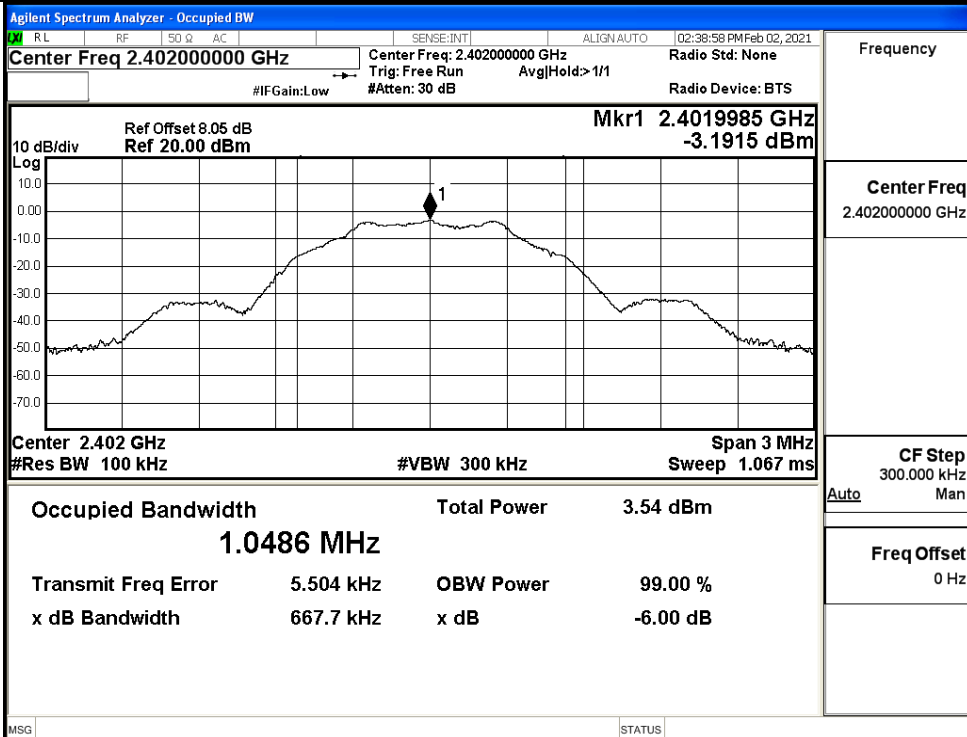


B.4 6dB Bandwidth

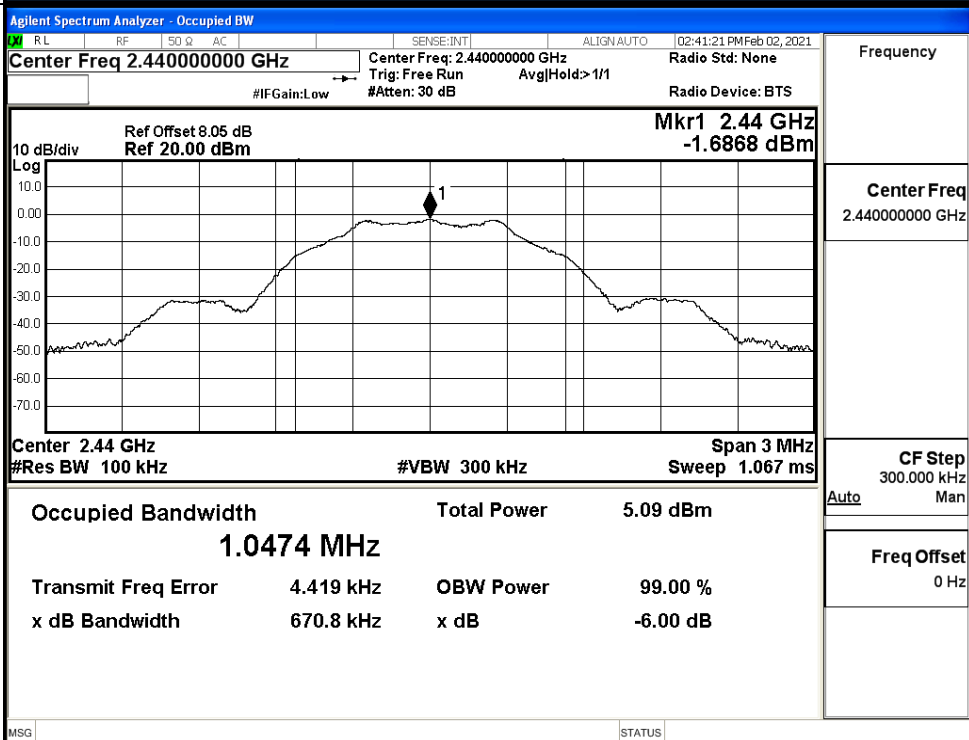
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6677	≥ 0.5	PASS
BT LE	MCH	0.6708	≥ 0.5	PASS
BT LE	HCH	0.6727	≥ 0.5	PASS

Test Graphs

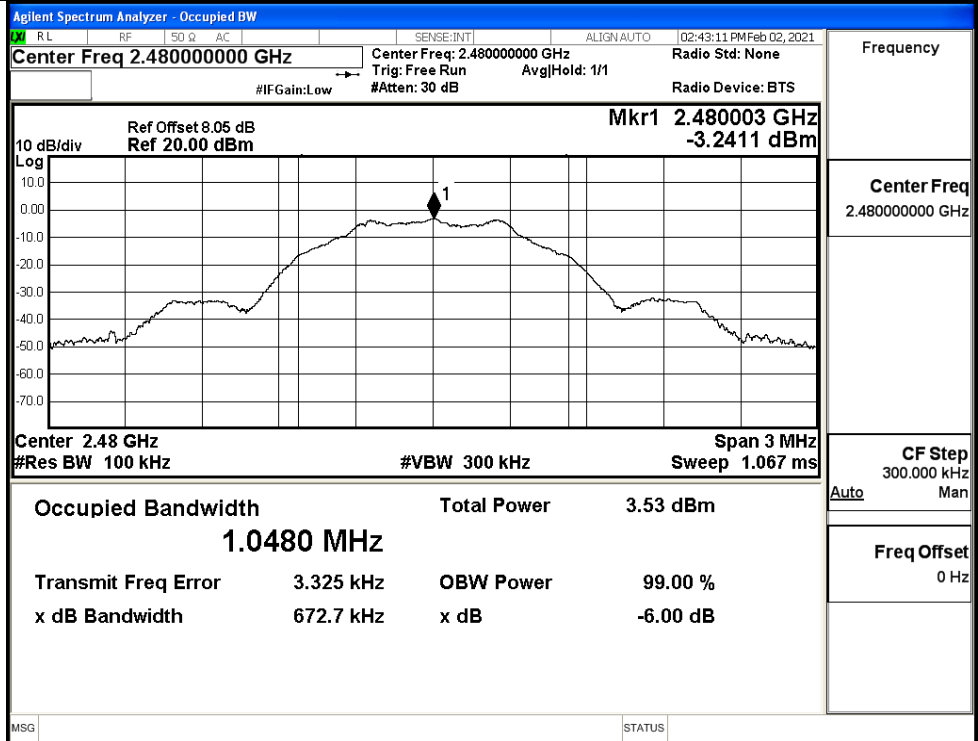
LCH



MCH



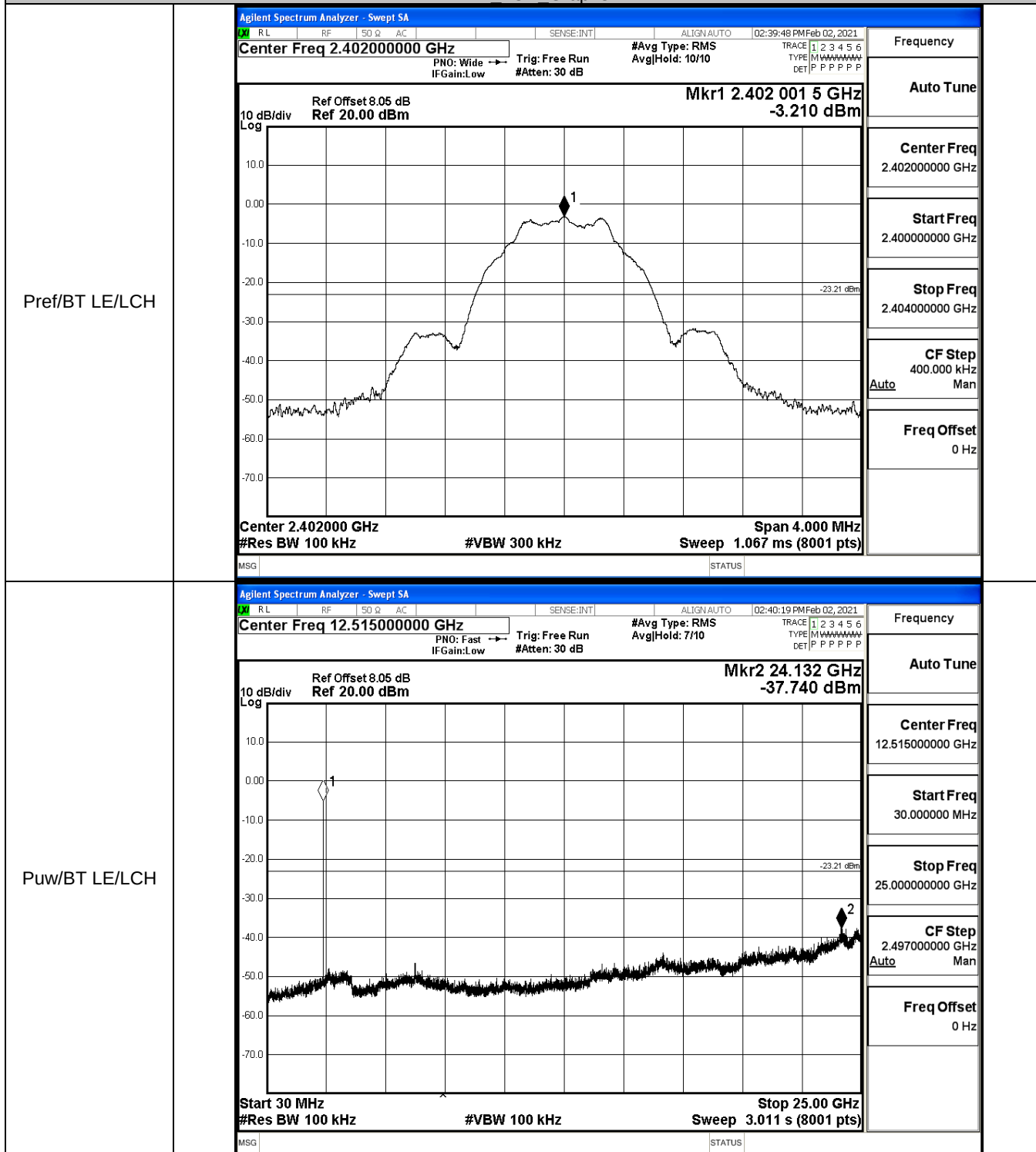
HCH



B.5 RF Conducted Spurious Emissions

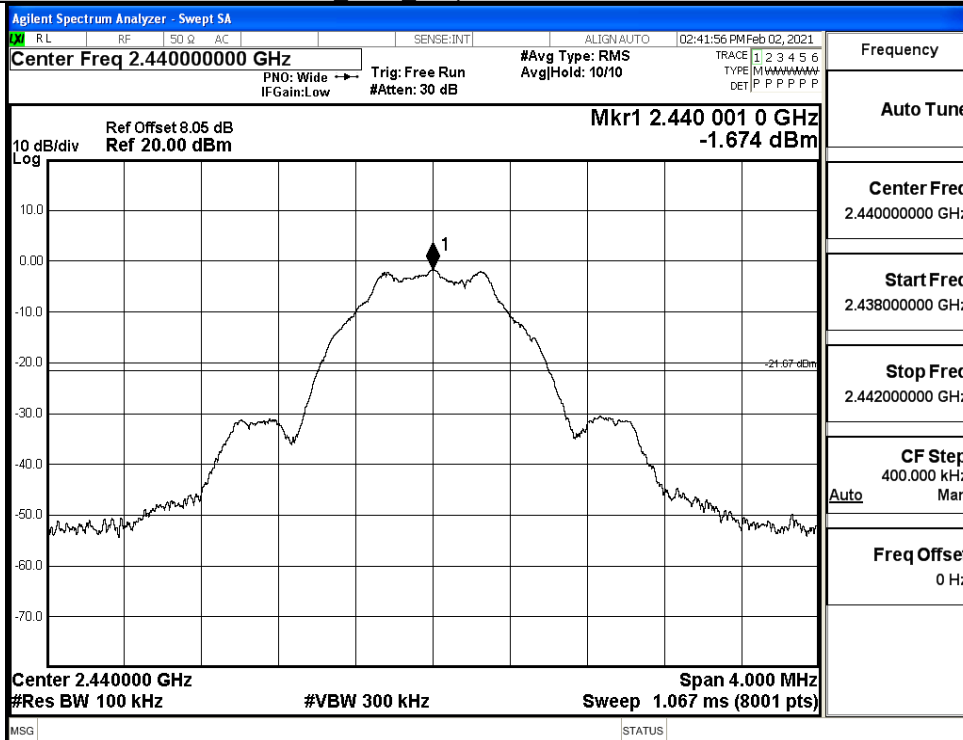
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.21	-37.740	-23.210	PASS
BT LE	MCH	-1.674	-38.206	-21.674	PASS
BT LE	HCH	-3.209	-37.219	-23.209	PASS

BT LE LCH Graphs

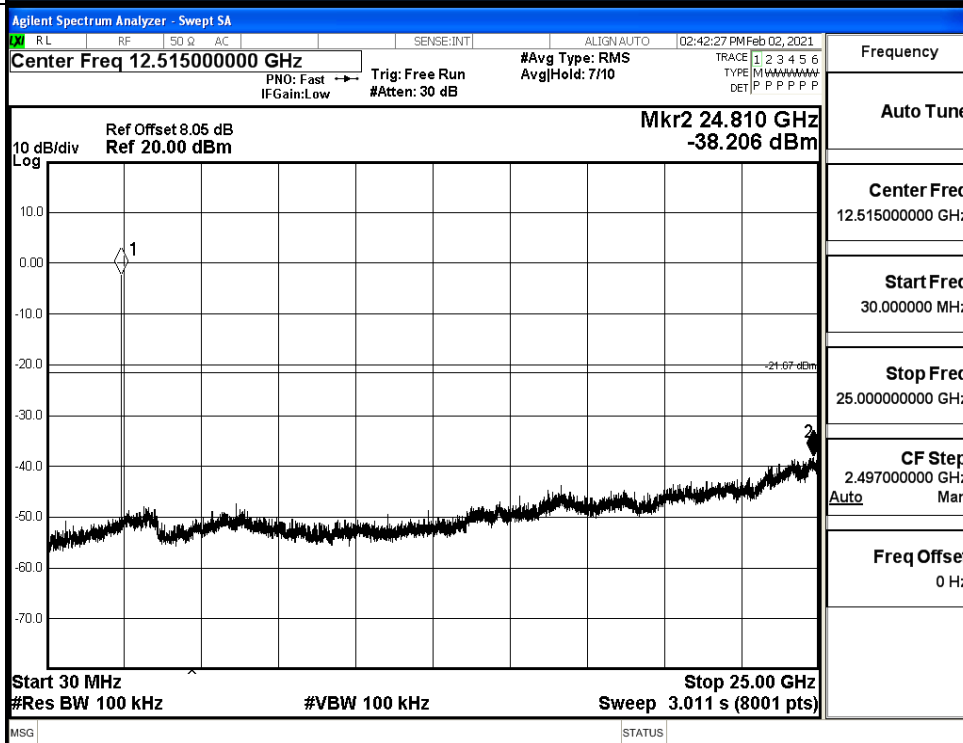


BT LE MCH Graphs

Pref/BT LE/MCH

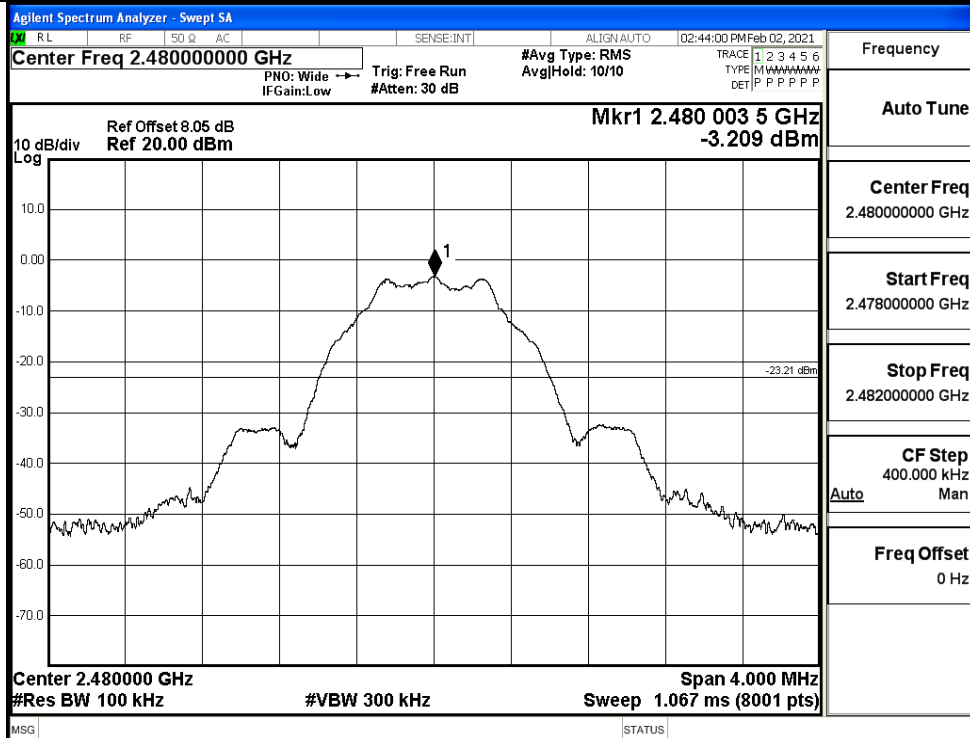


Puw/BT LE/MCH



BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

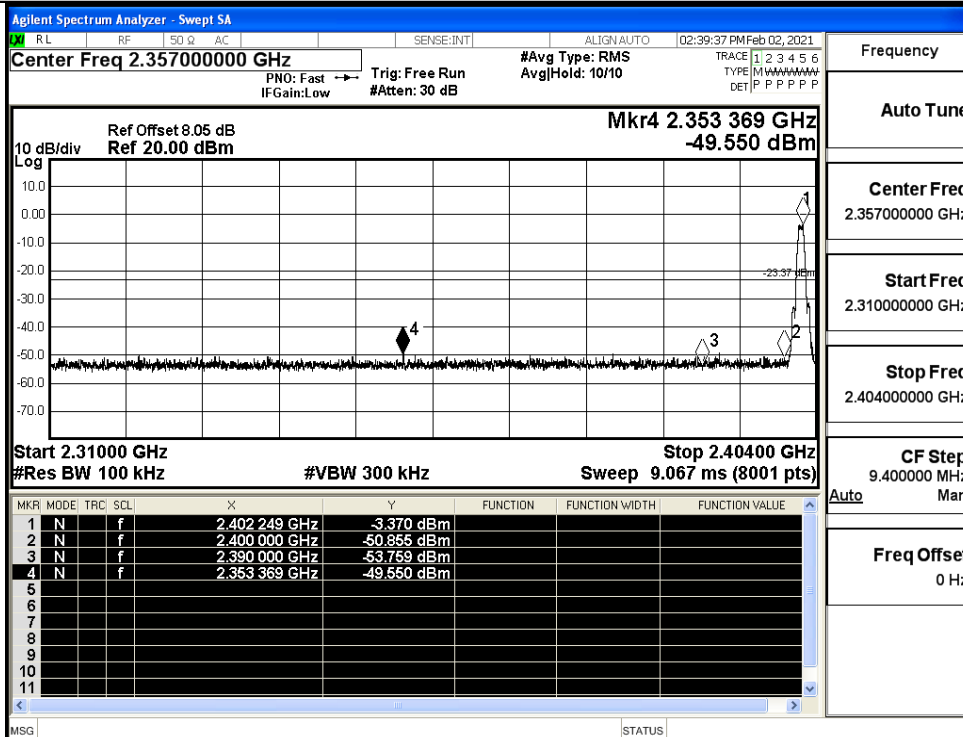


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.370	-49.550	-23.37	PASS
BT LE	HCH	-3.096	-49.460	-23.1	PASS

Test Graphs

LCH

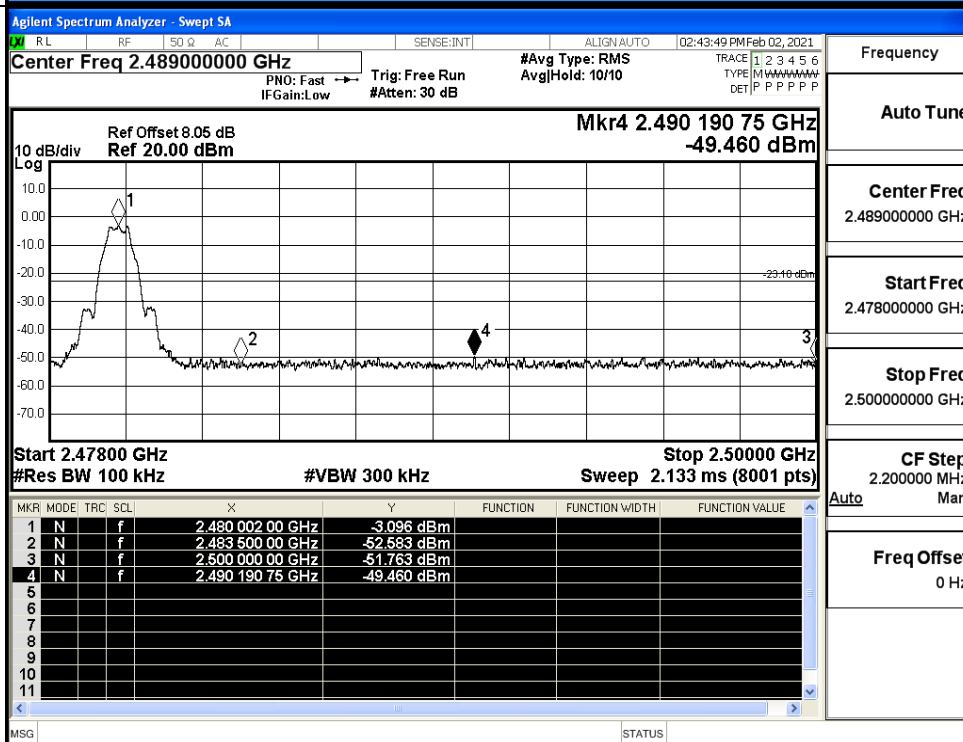


Frequency

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

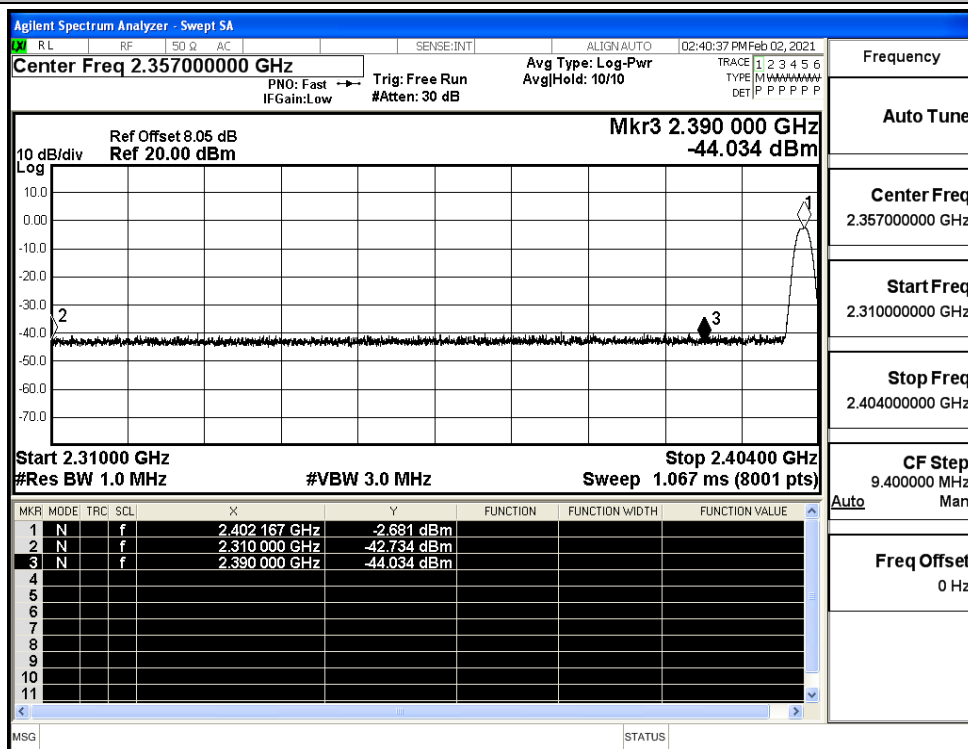
Auto Tune

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

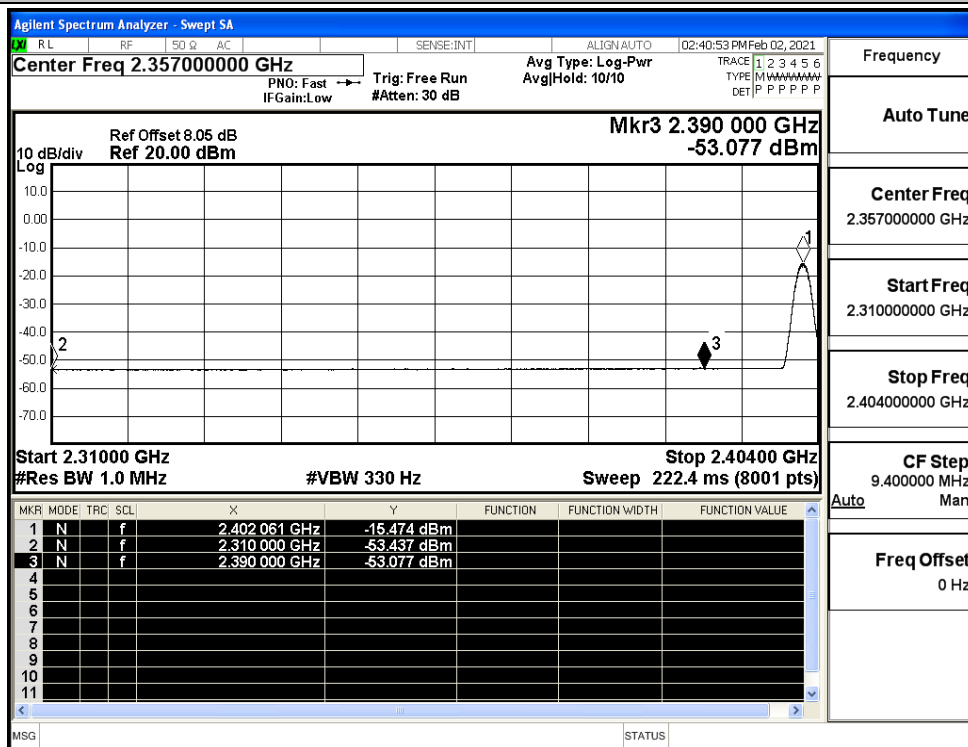
B.7 Restrict-band band-edge measurements

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	-42.73	2.0	0	52.52	PEAK	74	PASS
		Ant1	2310.0	-53.44	2.0	0	41.82	AV	54	PASS
		Ant1	2390.0	-44.03	2.0	0	51.22	PEAK	74	PASS
		Ant1	2390.0	-53.08	2.0	0	42.18	AV	54	PASS
	2480	Ant1	2483.5	-42.61	2.0	0	52.65	PEAK	74	PASS
		Ant1	2483.5	-52.58	2.0	0	42.68	AV	54	PASS
		Ant1	2500.0	-42.22	2.0	0	53.04	PEAK	74	PASS
		Ant1	2500.0	-52.39	2.0	0	42.87	AV	54	PASS

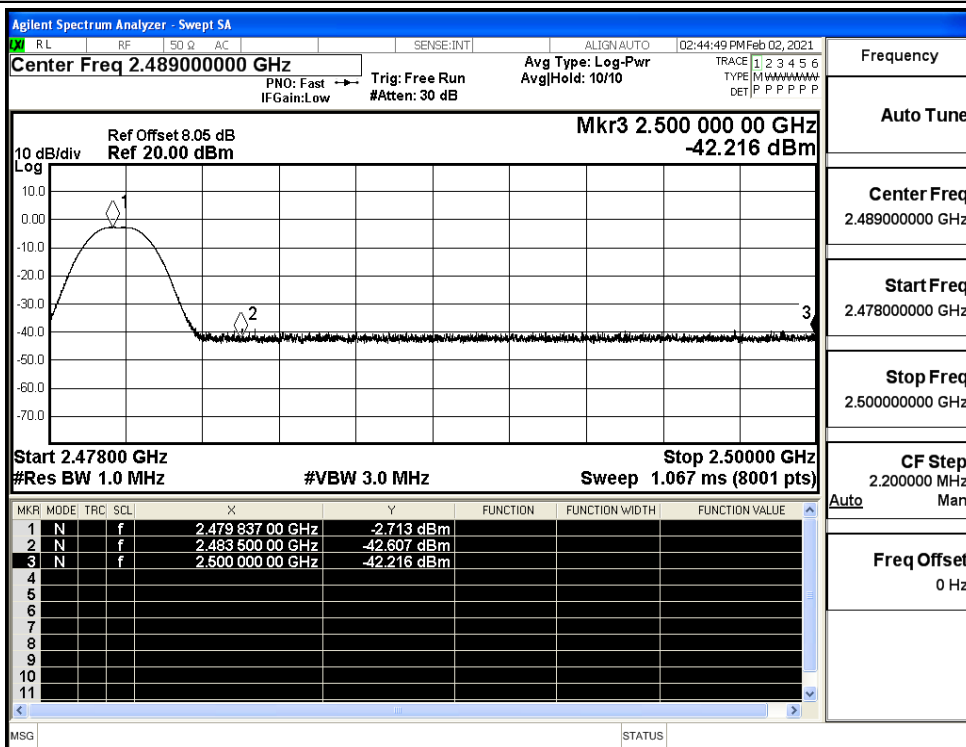
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

