

Appendix B

RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement)

Product Name: GRILLEYE MAX INSTANT & ULTRA PRECISE SMART GRILLING & SMOKING CLOUD THERMOMETER

Trade Mark: GRILLEYE

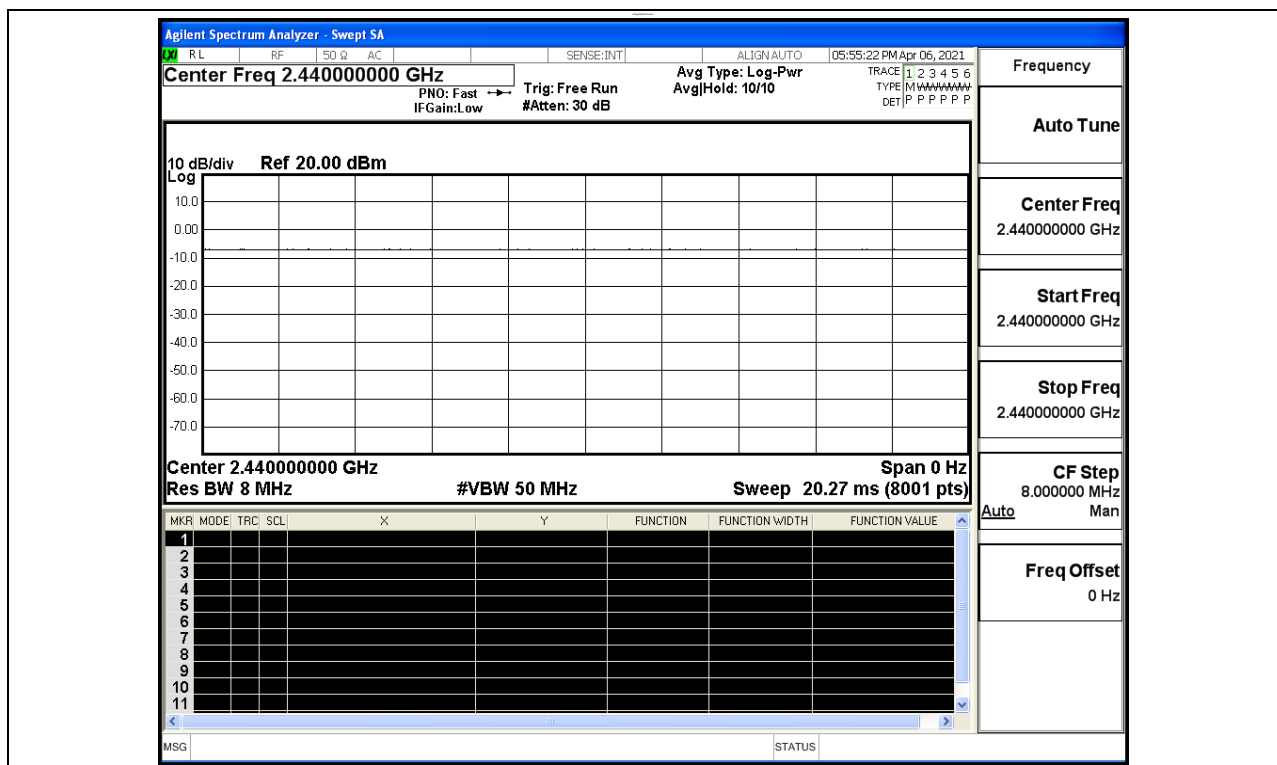
Test Model: GE0006

Environmental Conditions

Temperature:	24.9 ° C
Relative Humidity:	54.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

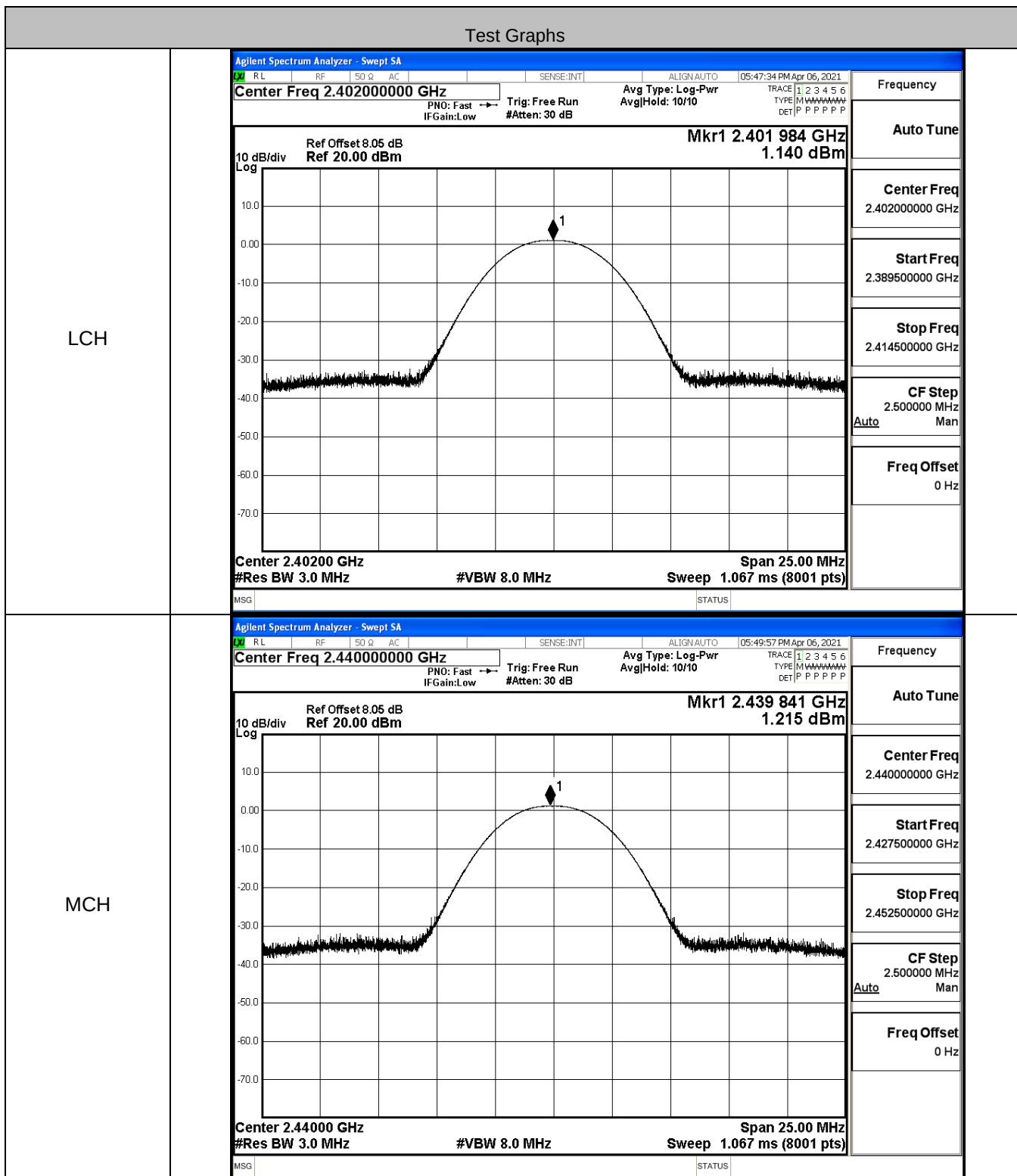
B.1 Duty Cycle

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

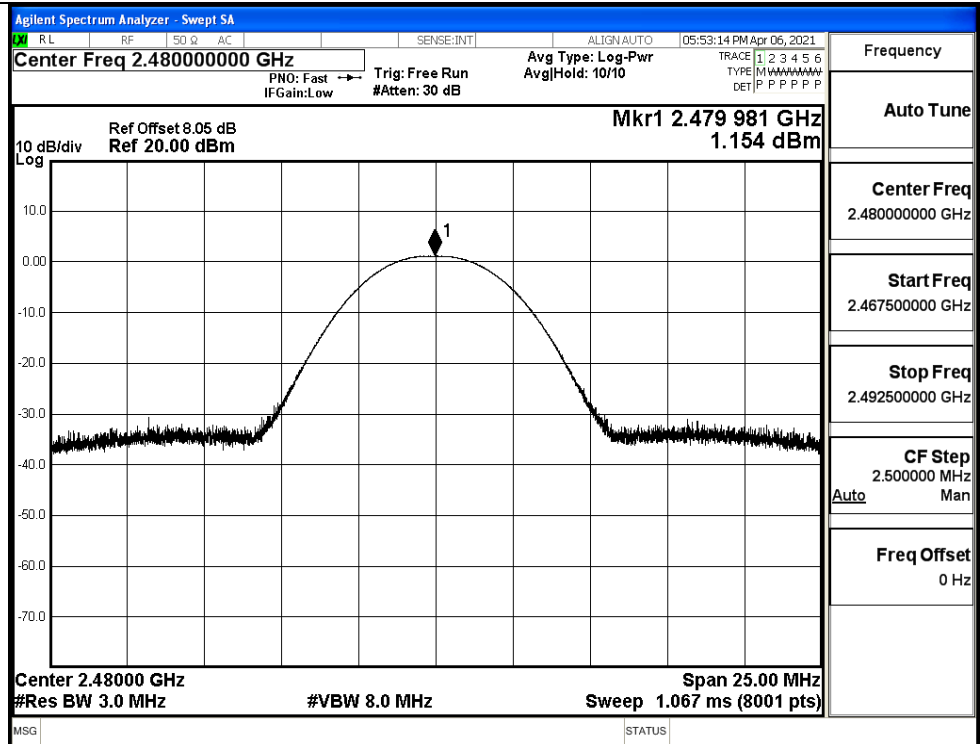


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.14	30	PASS
BT LE	MCH	1.215	30	PASS
BT LE	HCH	1.154	30	PASS



HCH

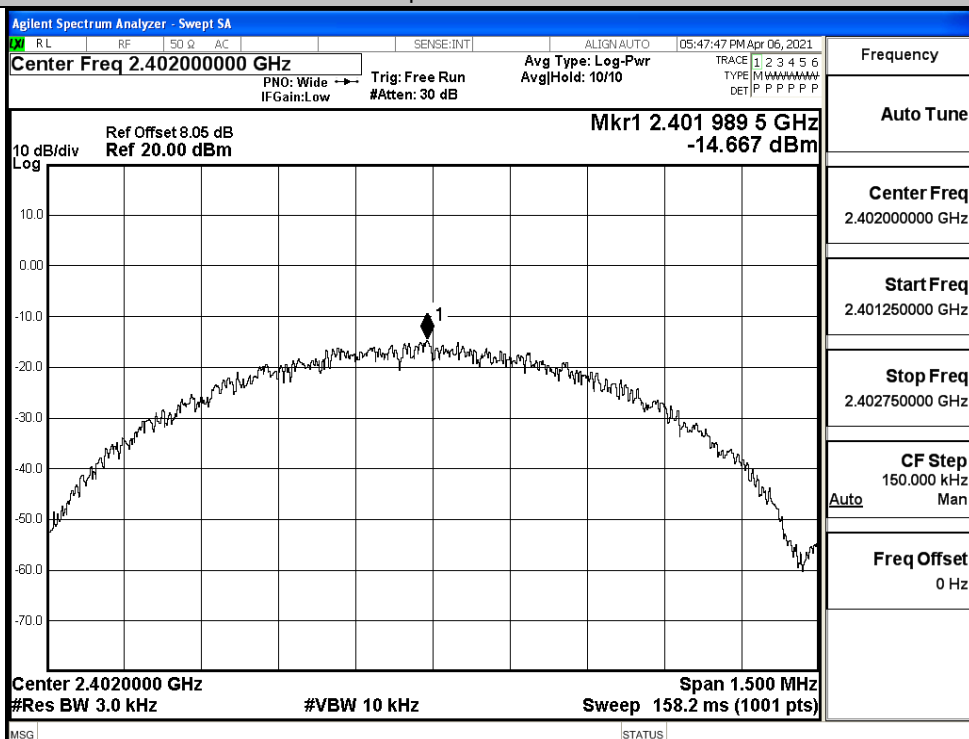


B.3 Maximum Power Spectral Density

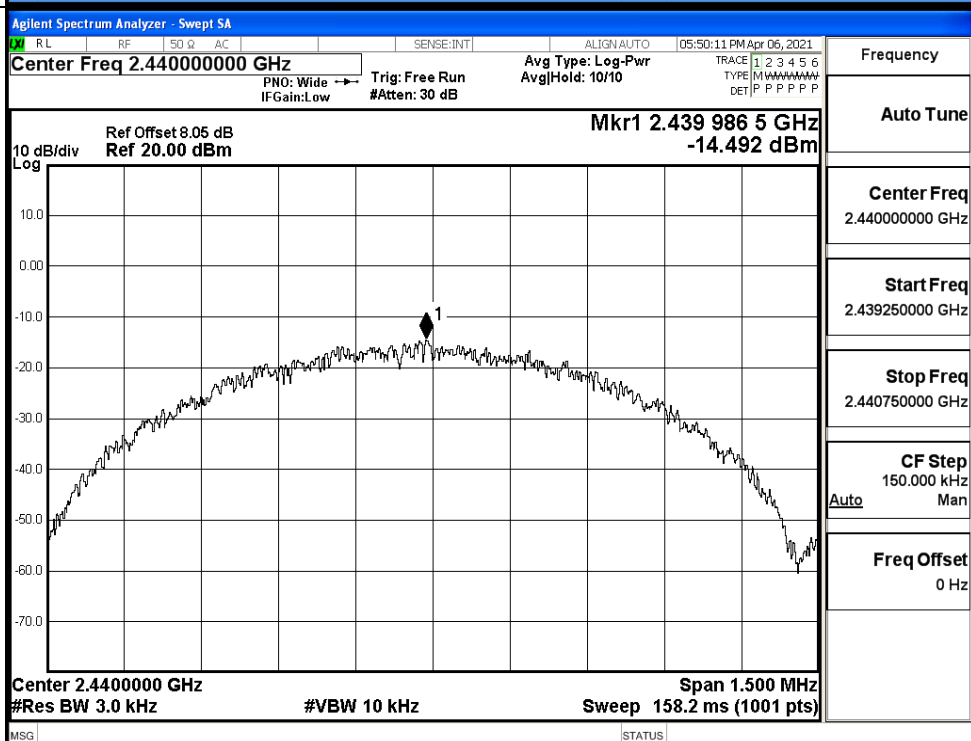
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.667	8	PASS
BT LE	MCH	-14.492	8	PASS
BT LE	HCH	-14.053	8	PASS

Test Graphs

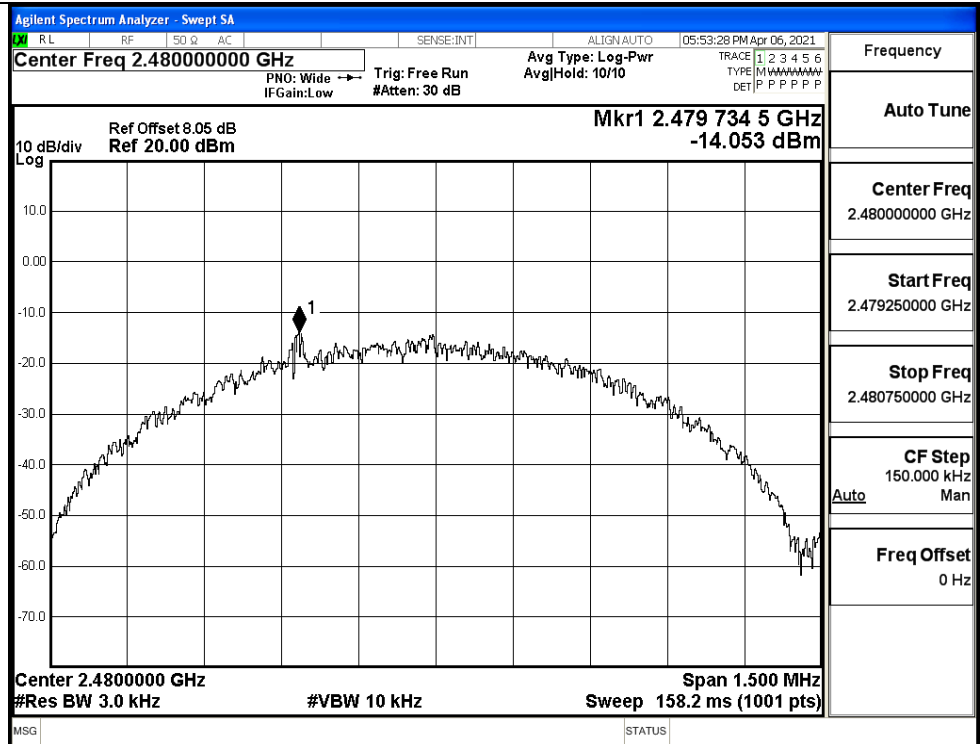
LCH



MCH



HCH

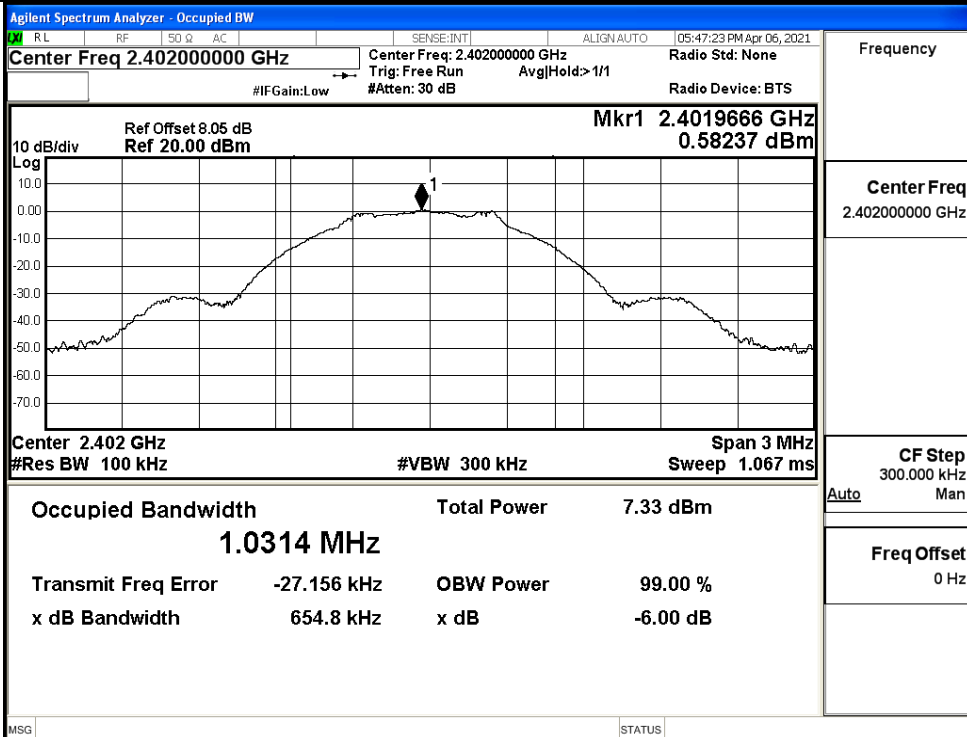


B.4 6dB Bandwidth

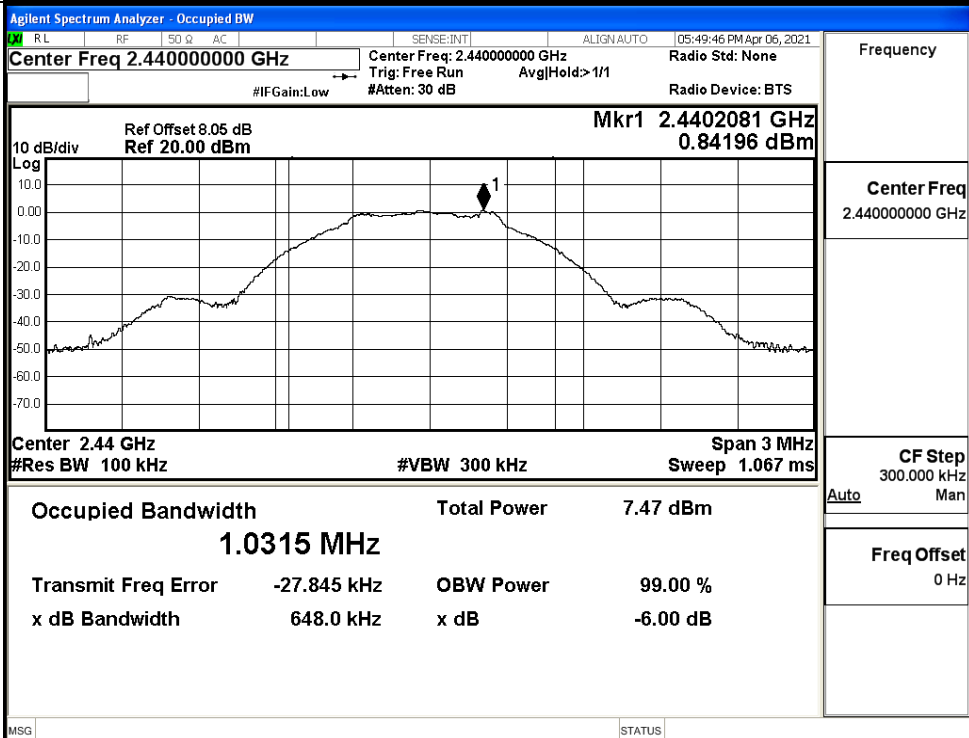
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6548	≥ 0.5	PASS
BT LE	MCH	0.6480	≥ 0.5	PASS
BT LE	HCH	0.6378	≥ 0.5	PASS

Test Graphs

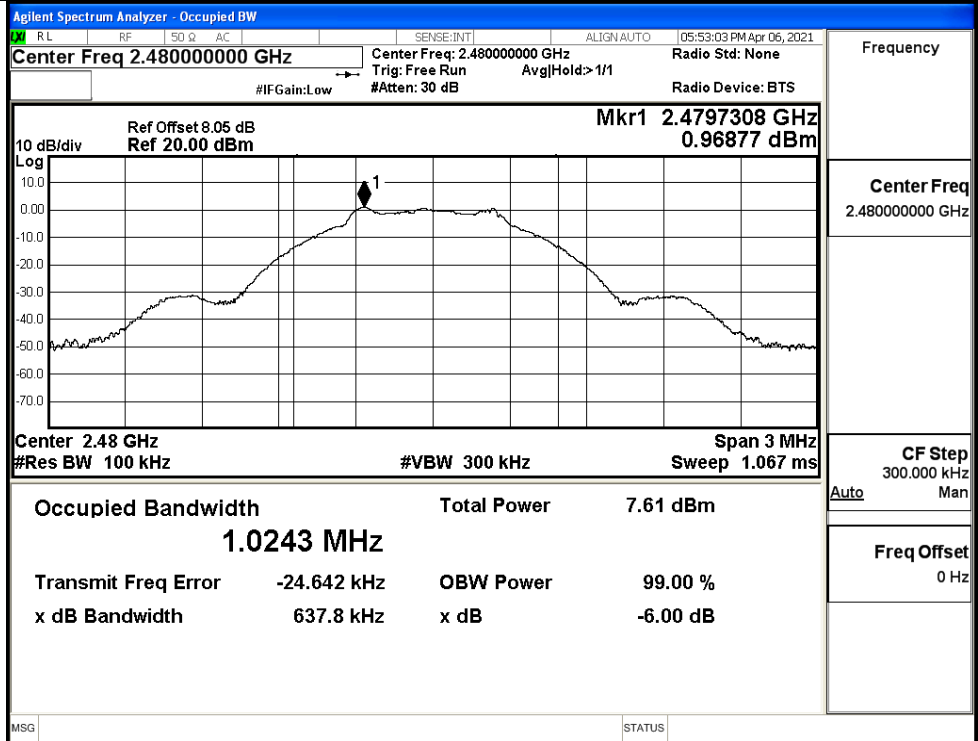
LCH



MCH



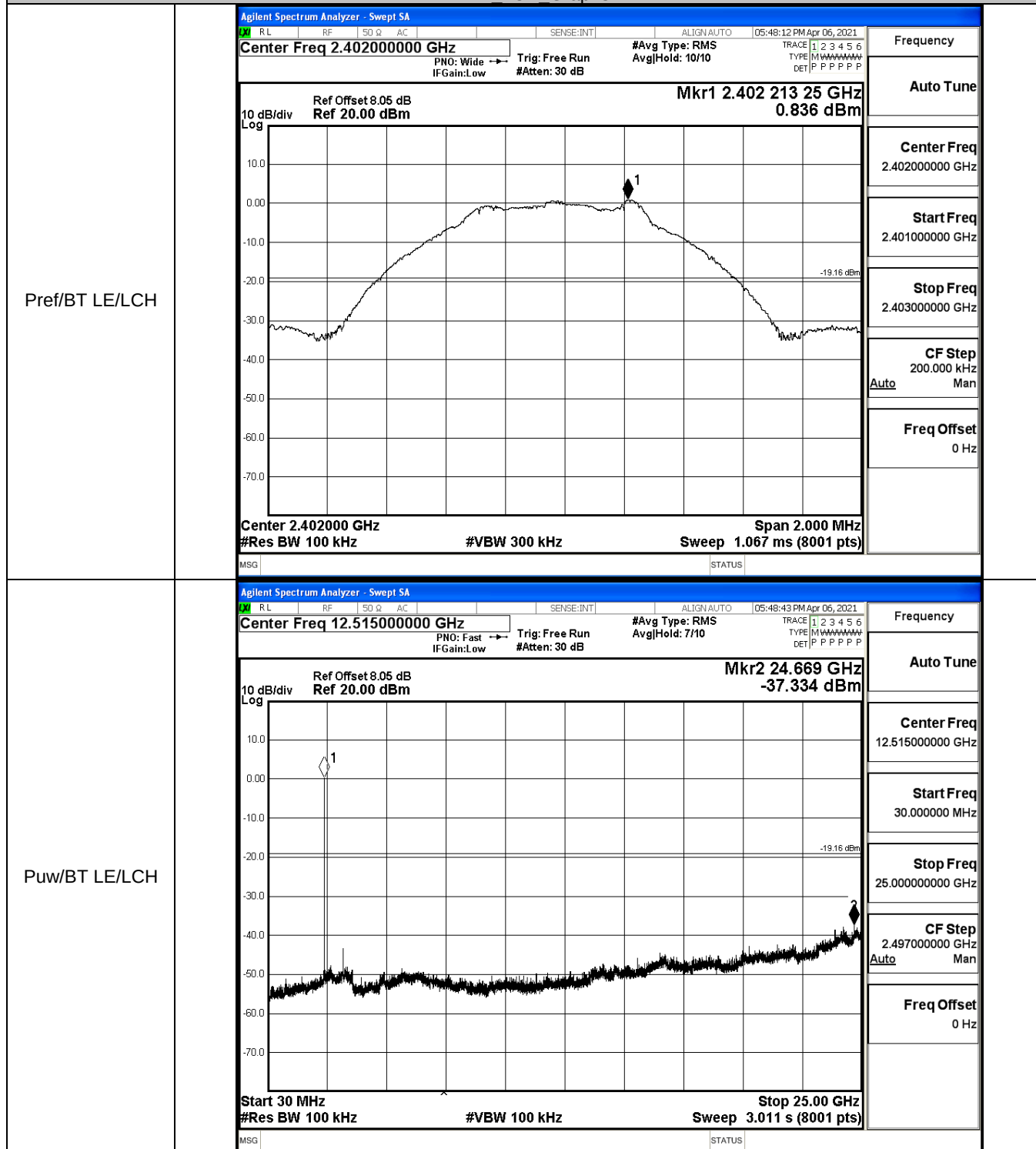
HCH



B.5 RF Conducted Spurious Emissions

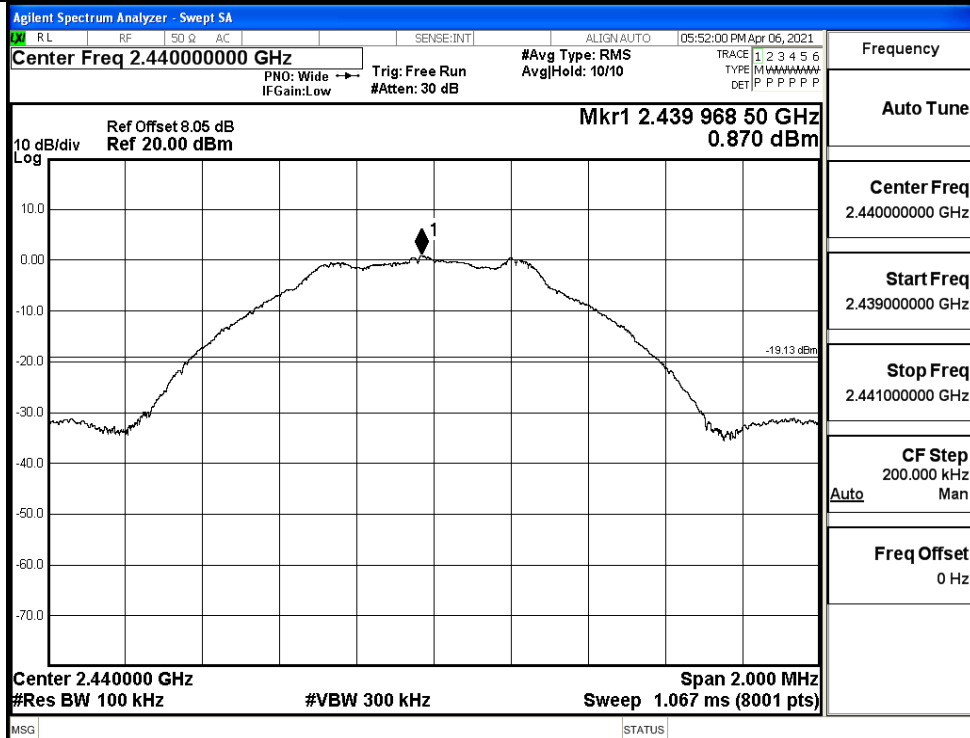
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.836	-37.334	-19.164	PASS
BT LE	MCH	0.87	-37.343	-19.130	PASS
BT LE	HCH	0.965	-36.734	-19.035	PASS

BT LE LCH Graphs



BT LE MCH Graphs

Pref/BT LE/MCH

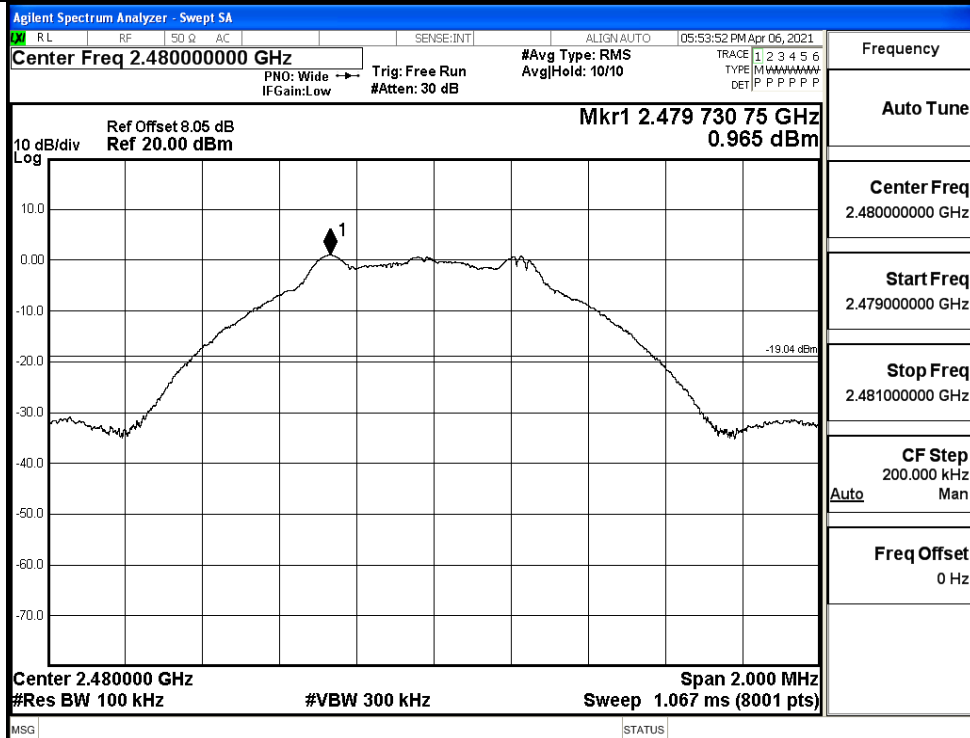


Puw/BT LE/MCH



BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

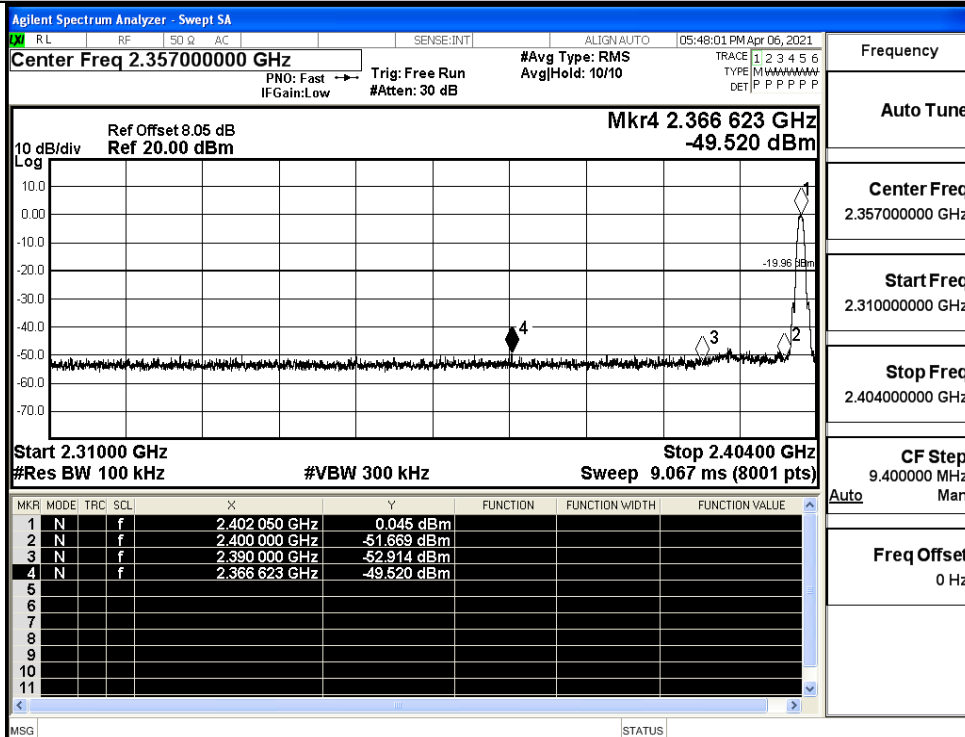


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.045	-49.520	-19.96	PASS
BT LE	HCH	0.956	-45.752	-19.04	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

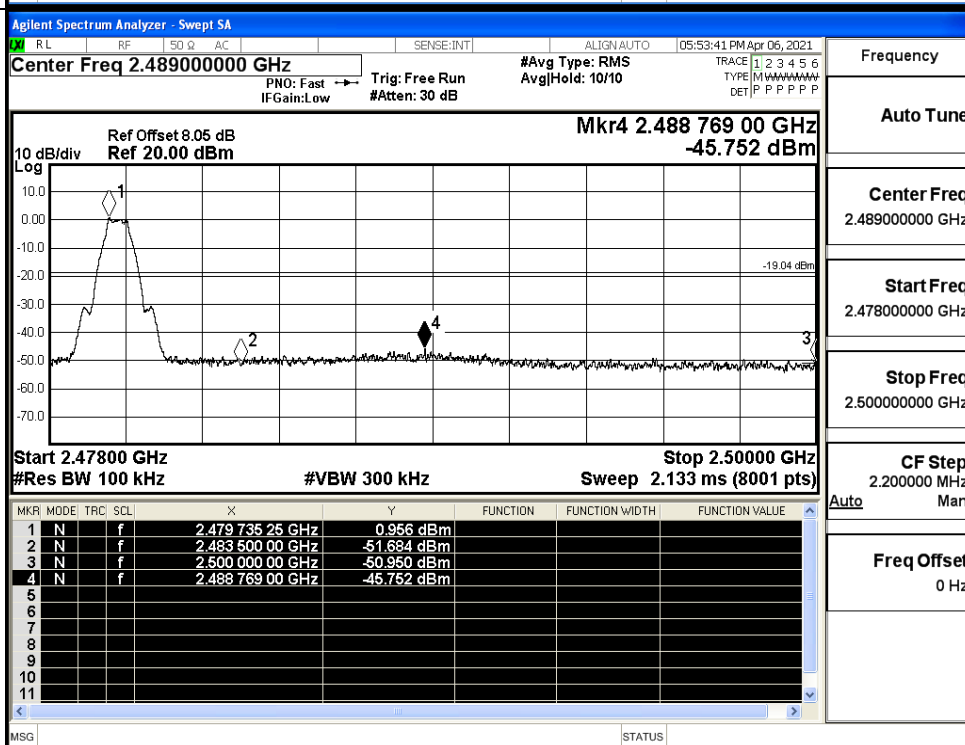
9.400000 MHz

Auto Man

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

Auto Man

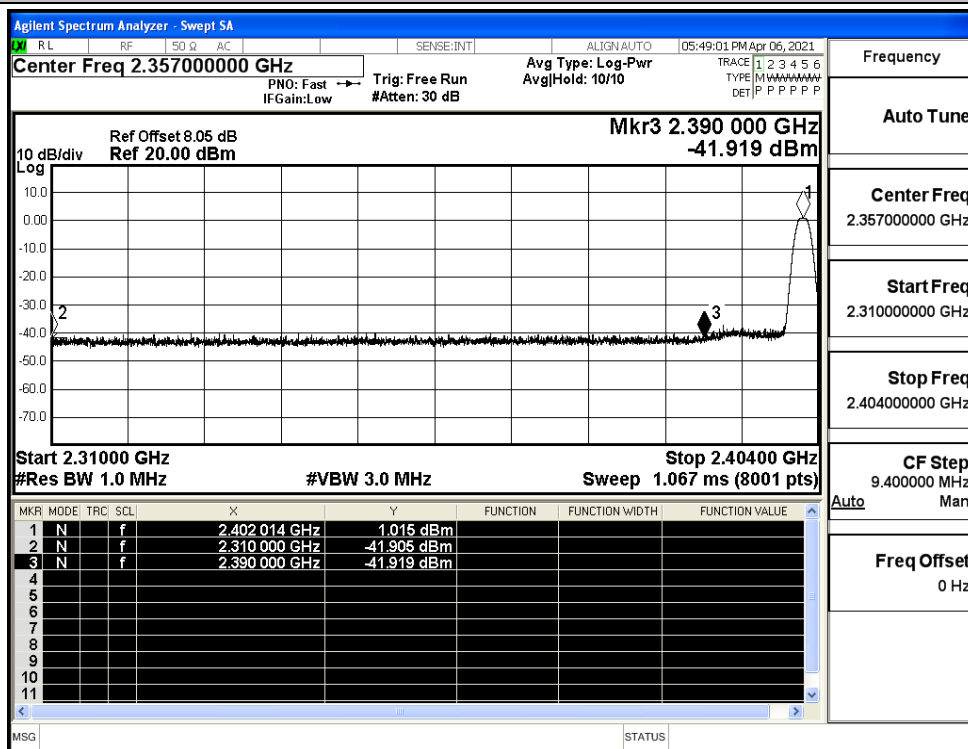
Freq Offset

0 Hz

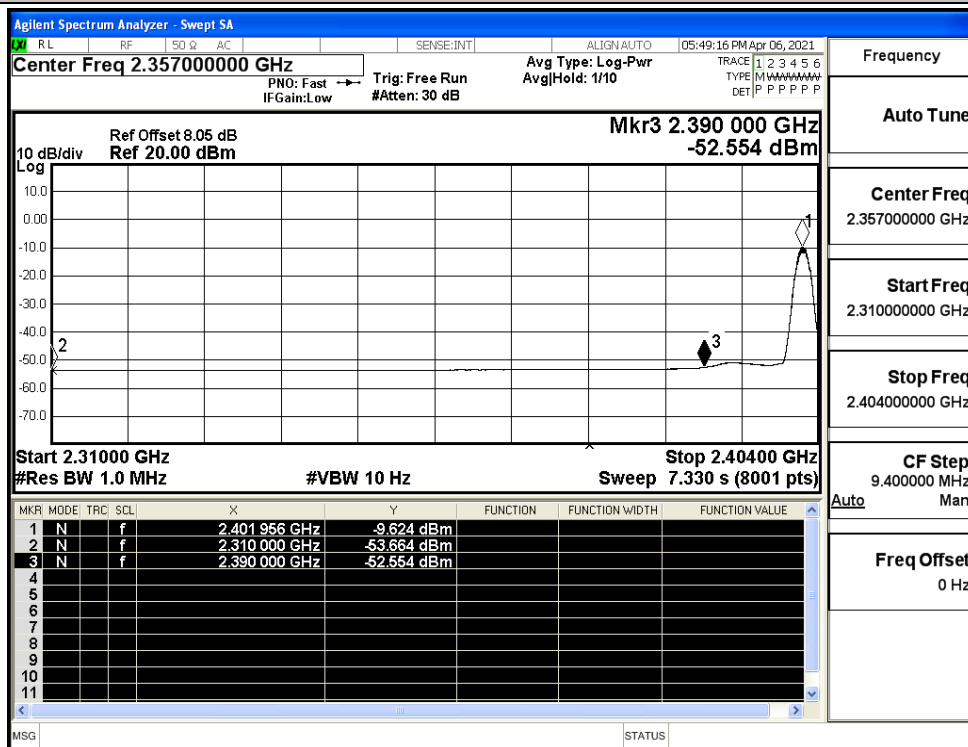
B.7 Restrict-band band-edge measurements

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	-41.91	2.0	0	53.35	PEAK	74	PASS
		Ant1	2310.0	-53.66	2.0	0	41.59	AV	54	PASS
		Ant1	2390.0	-41.92	2.0	0	53.34	PEAK	74	PASS
		Ant1	2390.0	-52.55	2.0	0	42.70	AV	54	PASS
	2480	Ant1	2483.5	-40.52	2.0	0	54.73	PEAK	74	PASS
		Ant1	2483.5	-51.00	2.0	0	44.26	AV	54	PASS
		Ant1	2500.0	-41.02	2.0	0	54.24	PEAK	74	PASS
		Ant1	2500.0	-52.42	2.0	0	42.84	AV	54	PASS

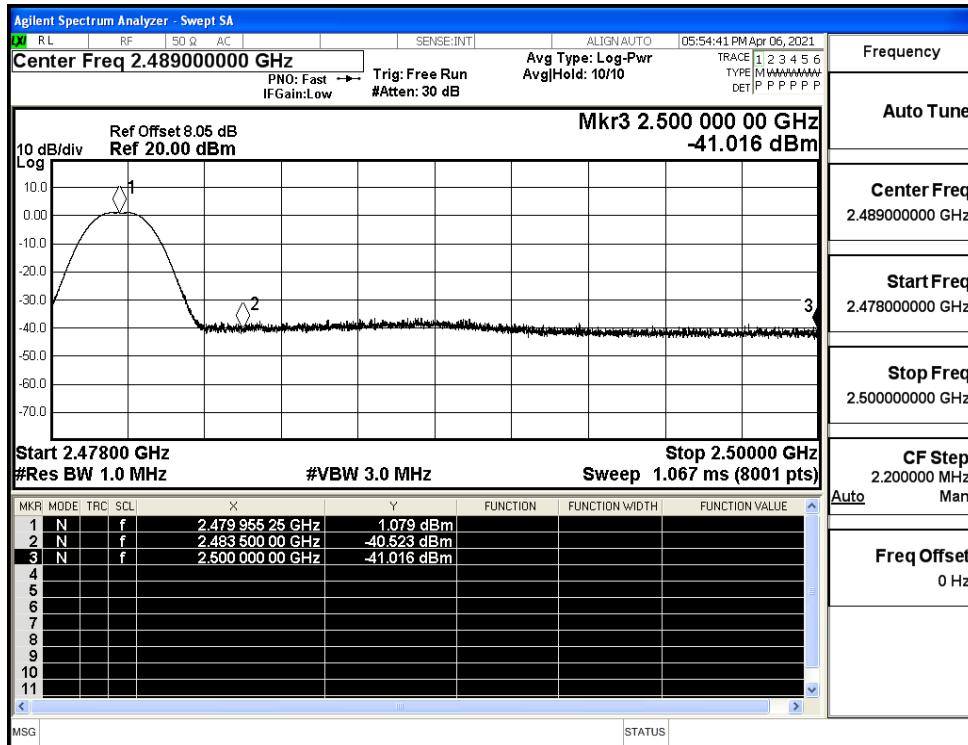
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

