

Appendix B

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

Product Name: Privo

Trade Mark: Privo

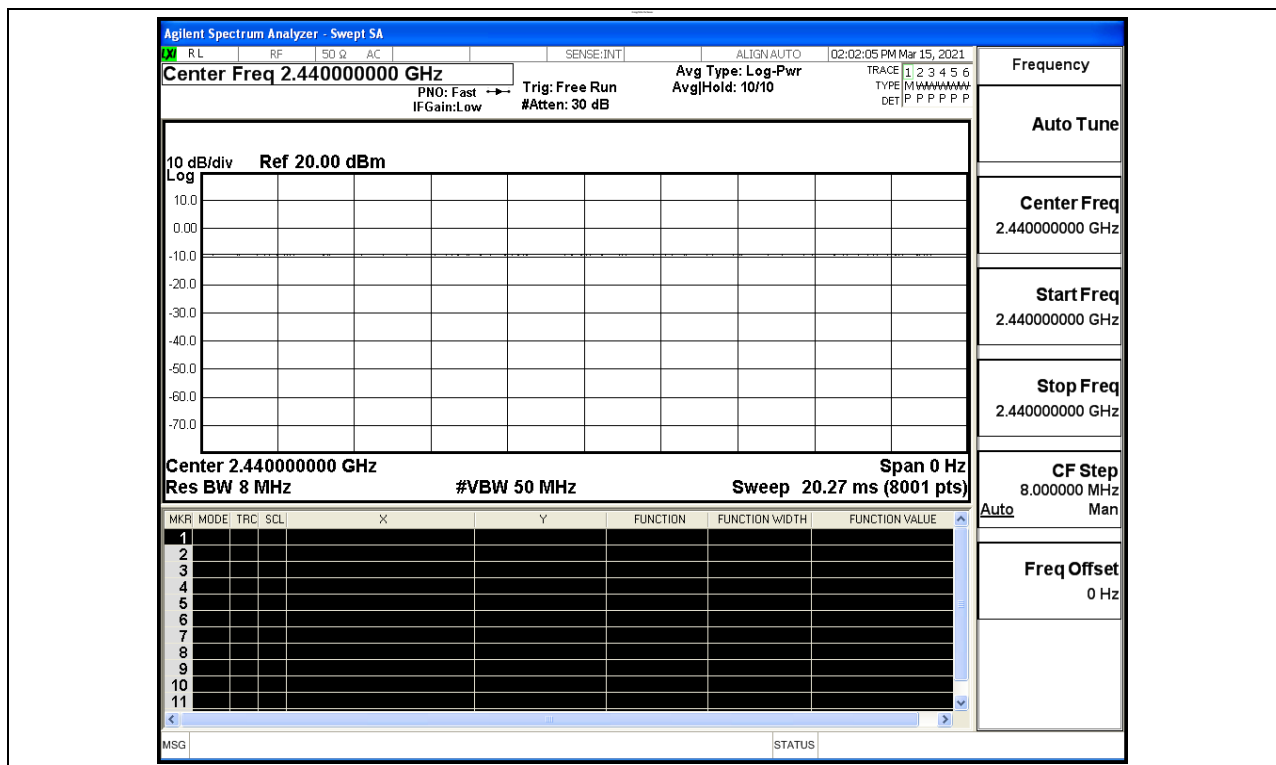
Test Model: Privo

Environmental Conditions

Temperature:	25.6° C
Relative Humidity:	55.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

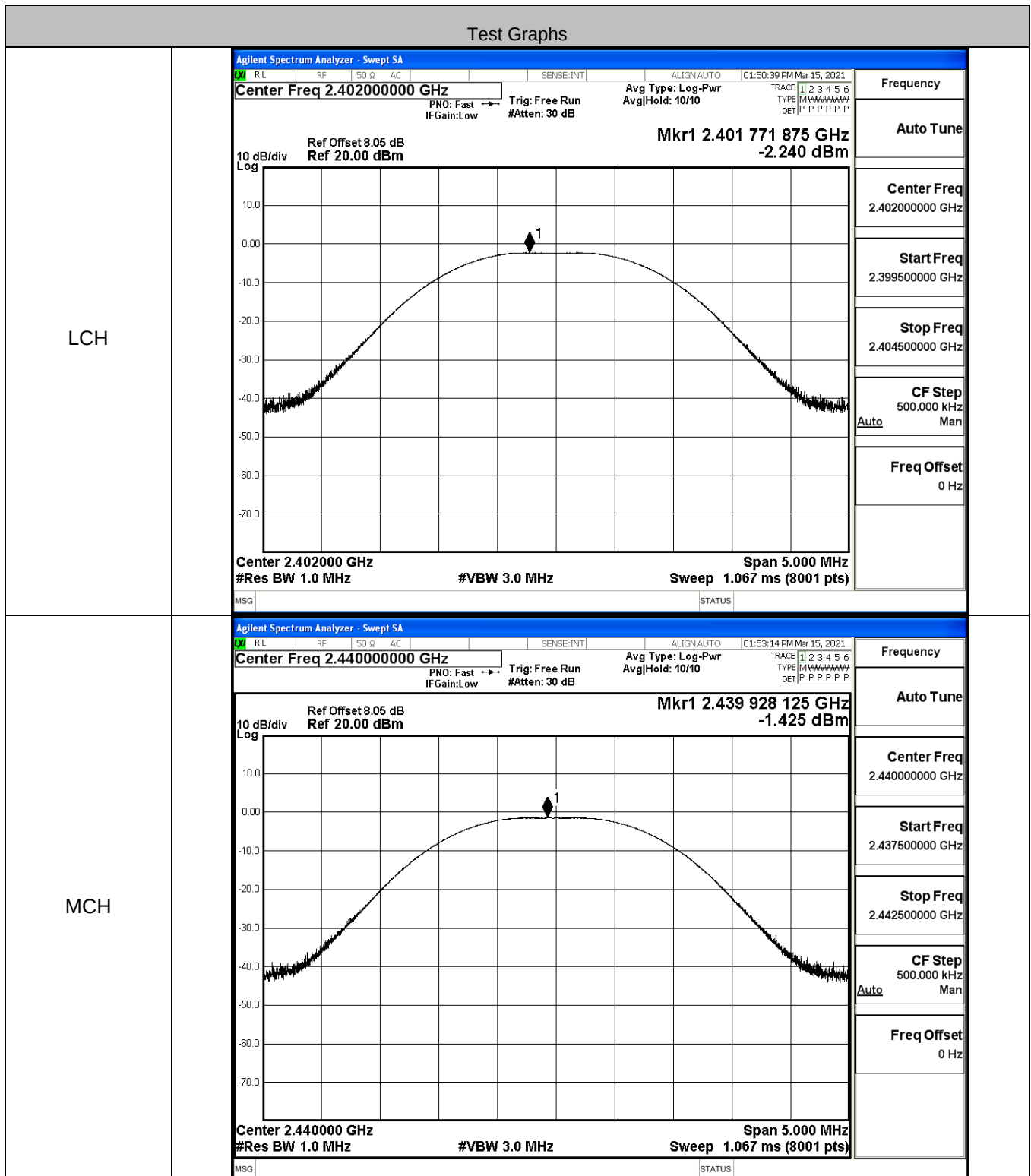
B.1 Duty Cycle

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

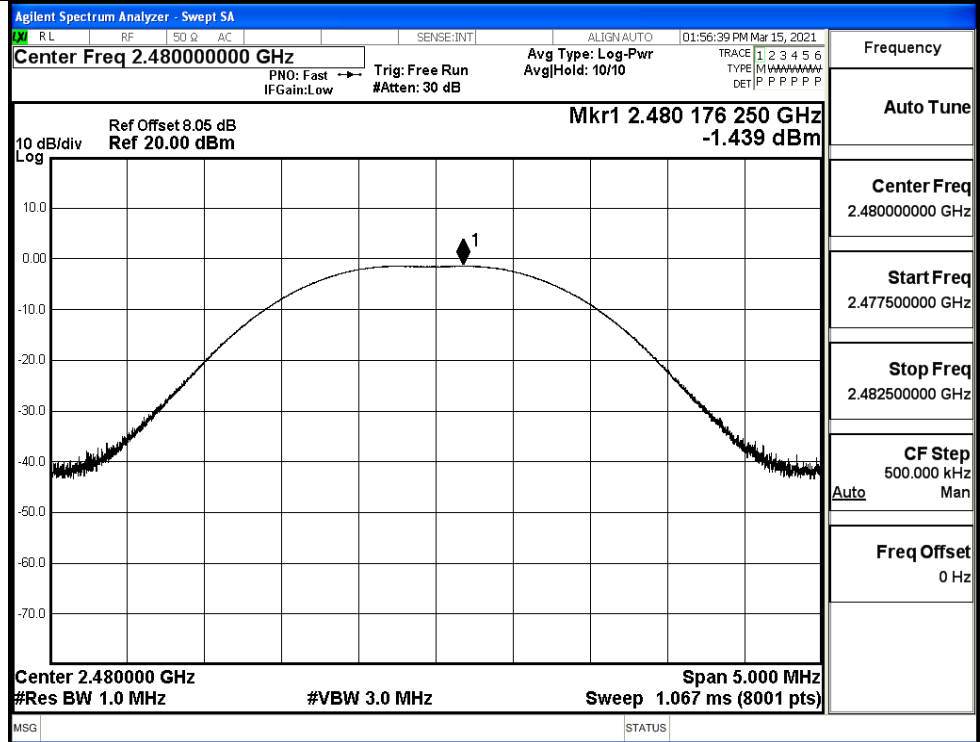


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.24	30	PASS
BT LE	MCH	-1.425	30	PASS
BT LE	HCH	-1.439	30	PASS



HCH

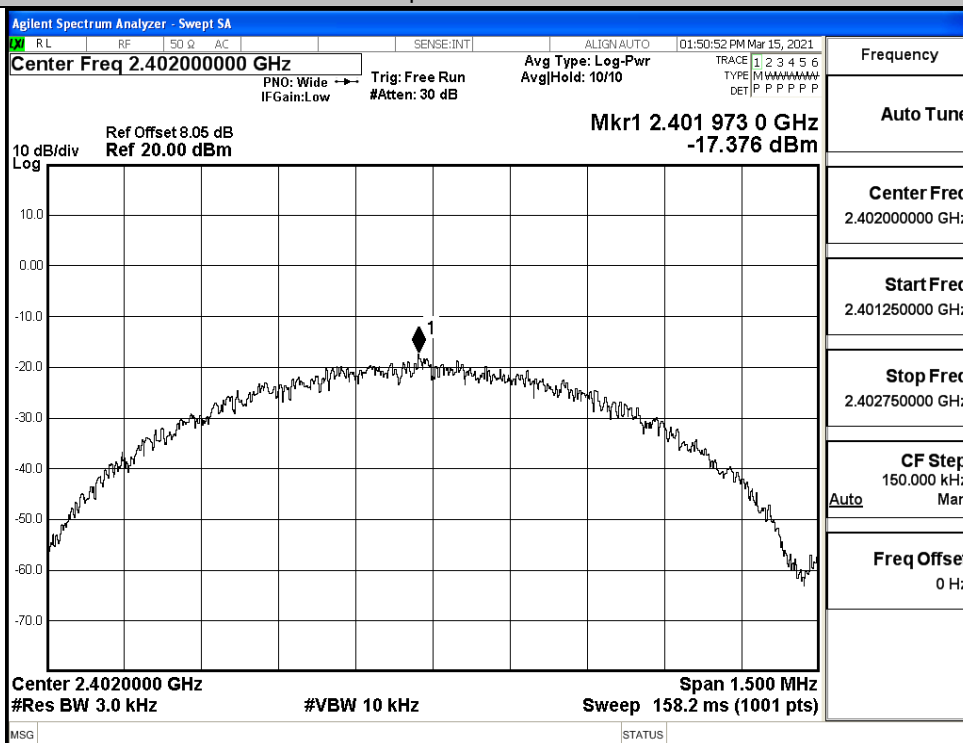


B.3 Maximum Power Spectral Density

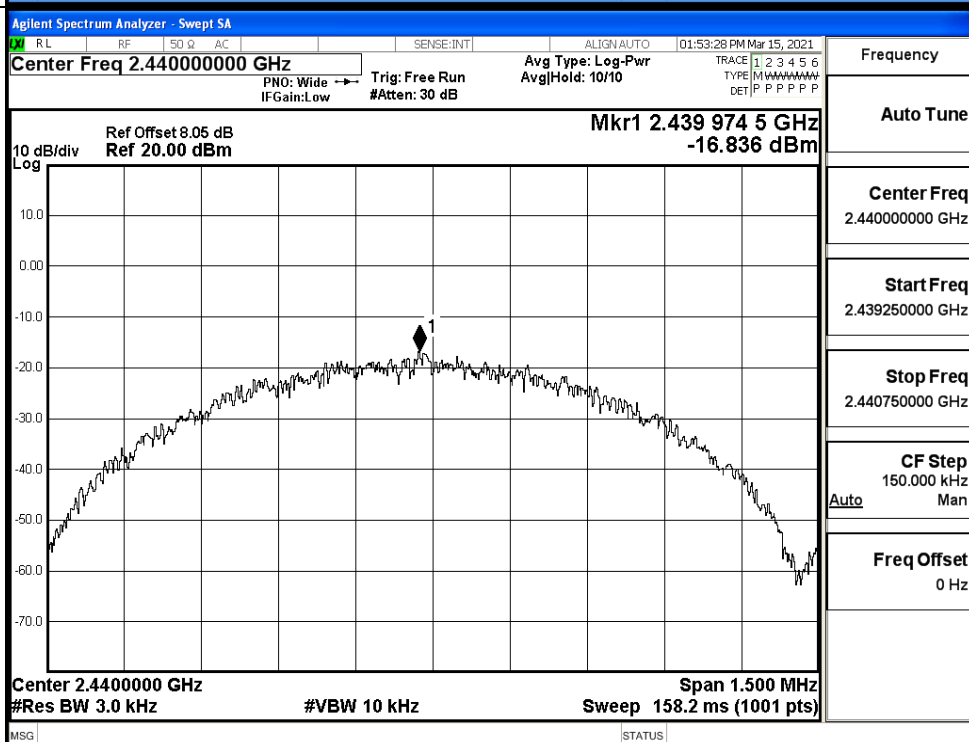
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.376	8	PASS
BT LE	MCH	-16.836	8	PASS
BT LE	HCH	-16.514	8	PASS

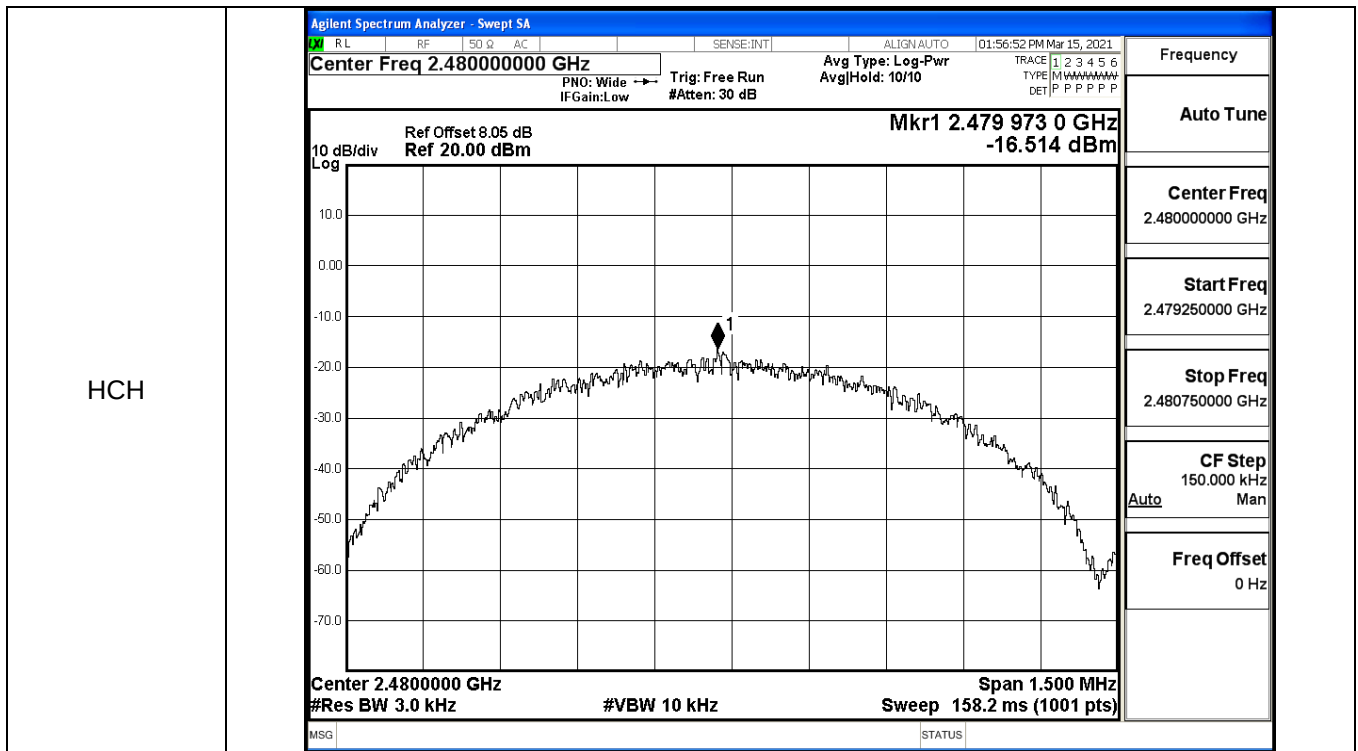
Test Graphs

LCH



MCH



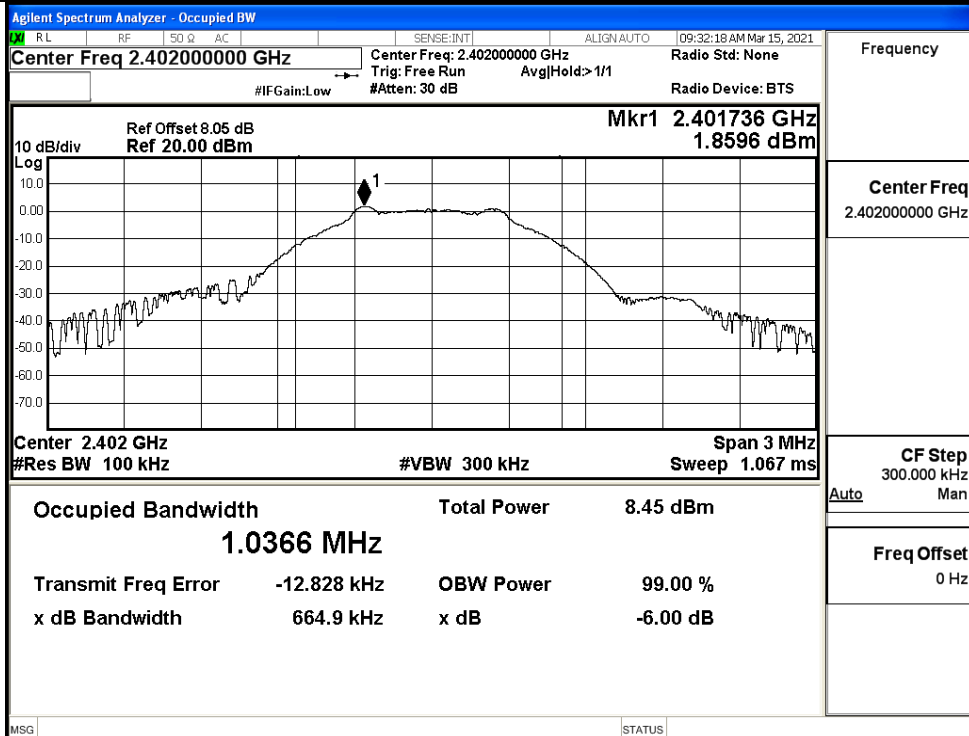


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6649	≥ 0.5	PASS
BT LE	MCH	0.6484	≥ 0.5	PASS
BT LE	HCH	0.6515	≥ 0.5	PASS

Test Graphs

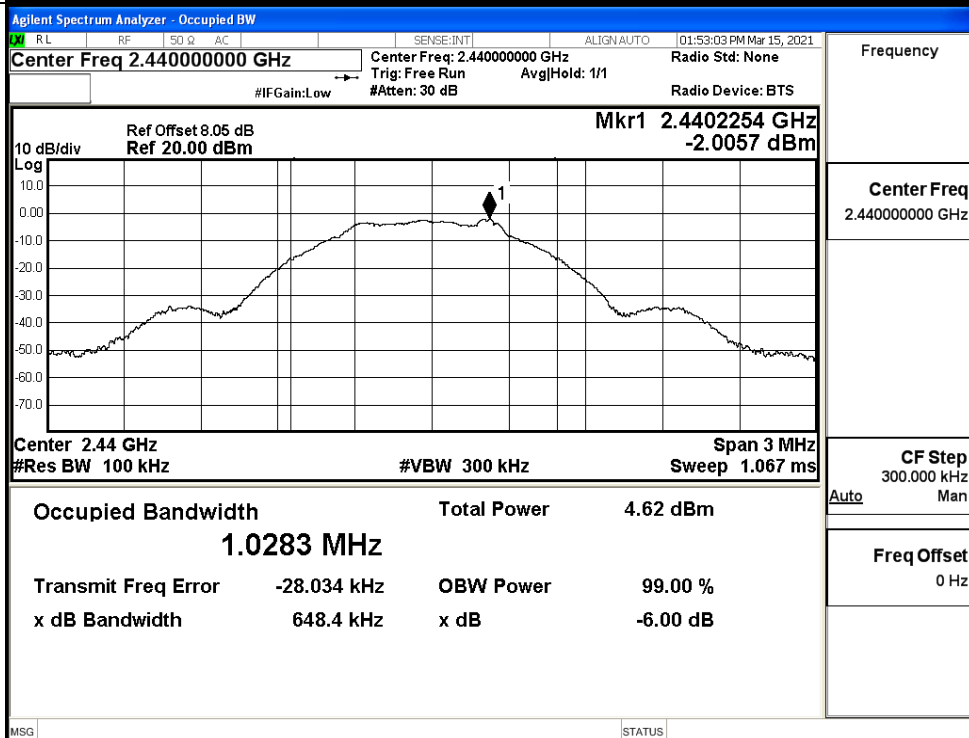
LCH



Frequency

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

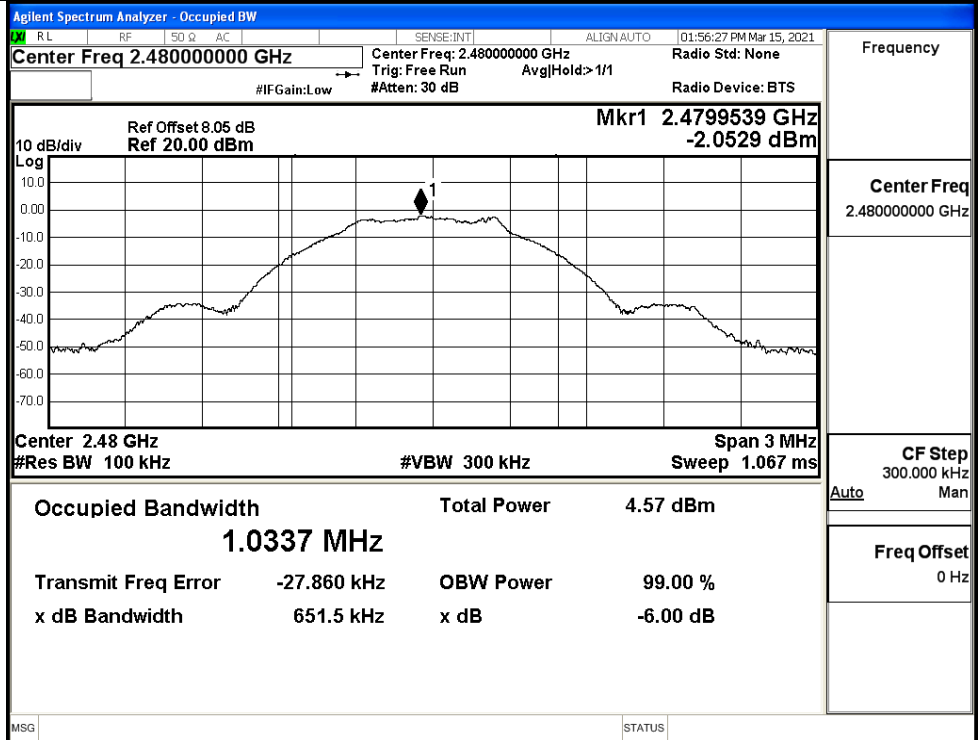
MCH



Frequency

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

HCH

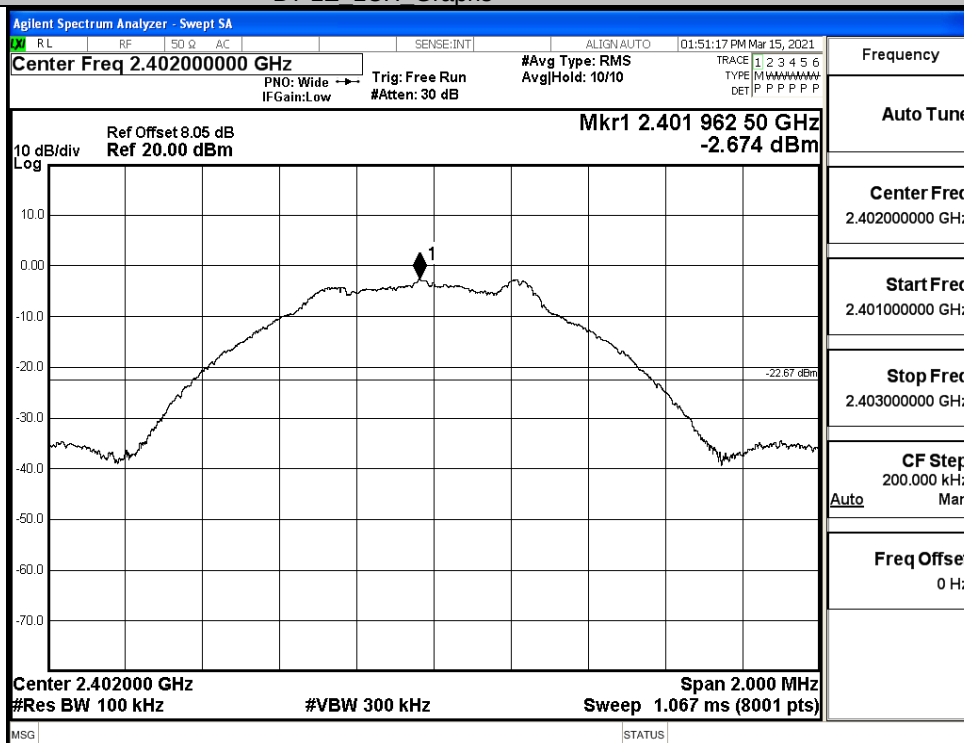


B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.674	-37.631	-22.674	PASS
BT LE	MCH	-1.952	-37.894	-21.952	PASS
BT LE	HCH	-1.832	-37.963	-21.832	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

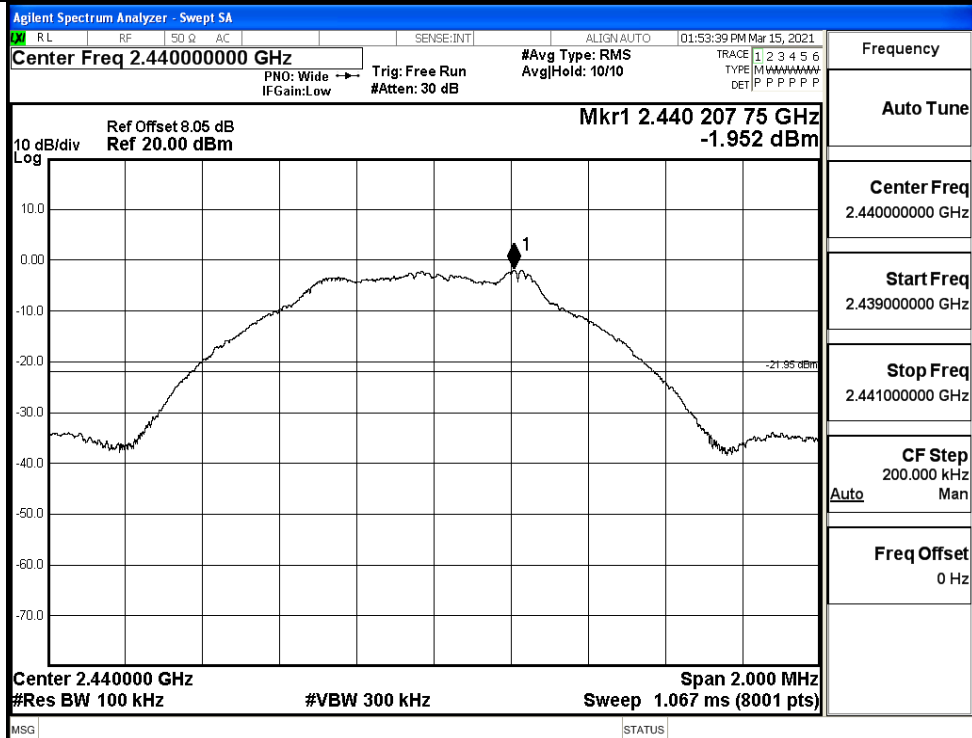


Puw/BT LE/LCH

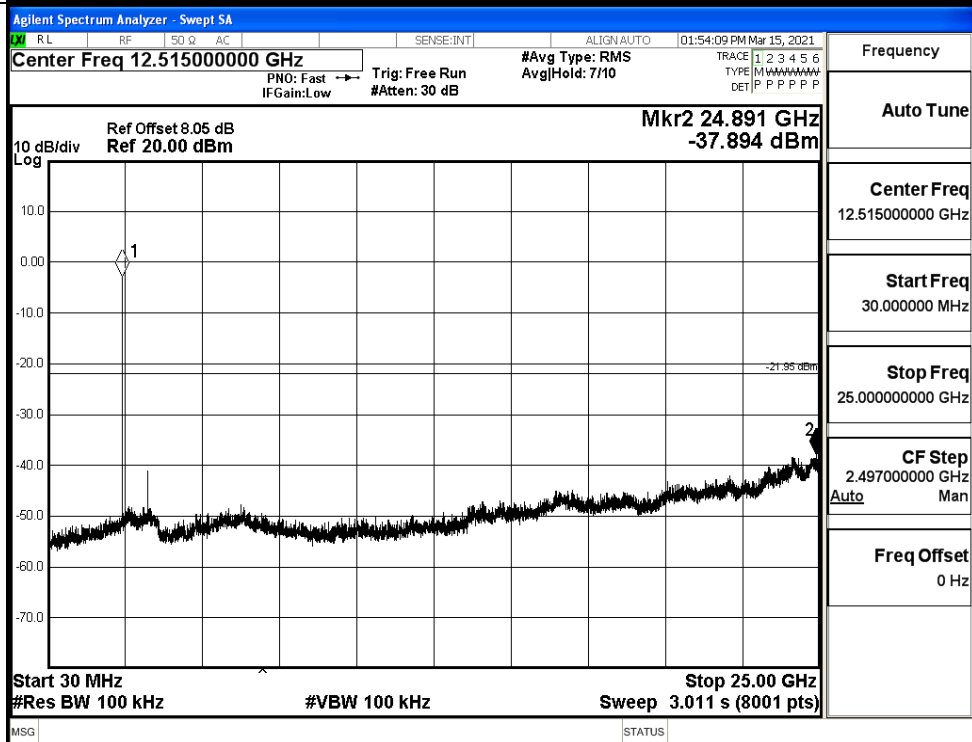


BT LE MCH Graphs

Pref/BT LE/MCH

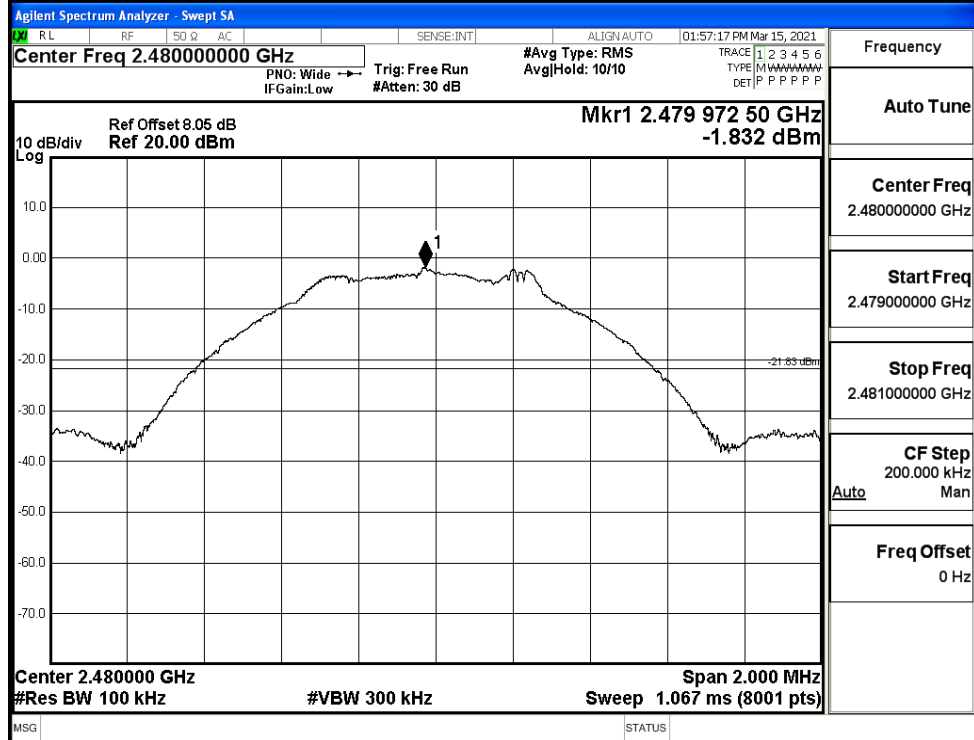


Puw/BT LE/MCH

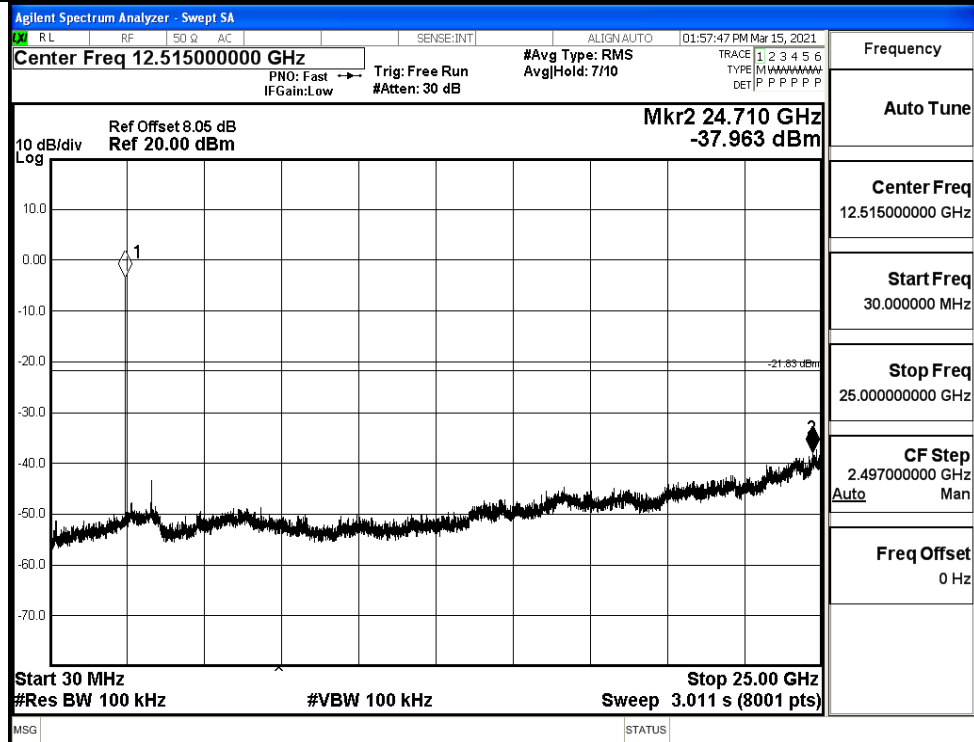


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

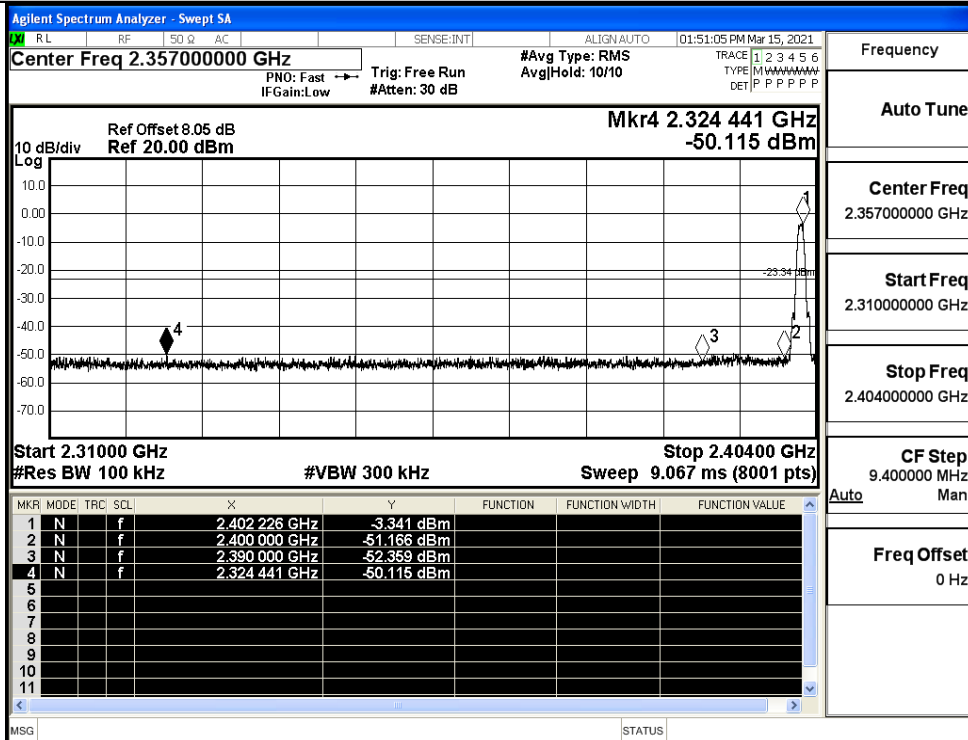


B.6 Band-edge for RF Conducted Emissions

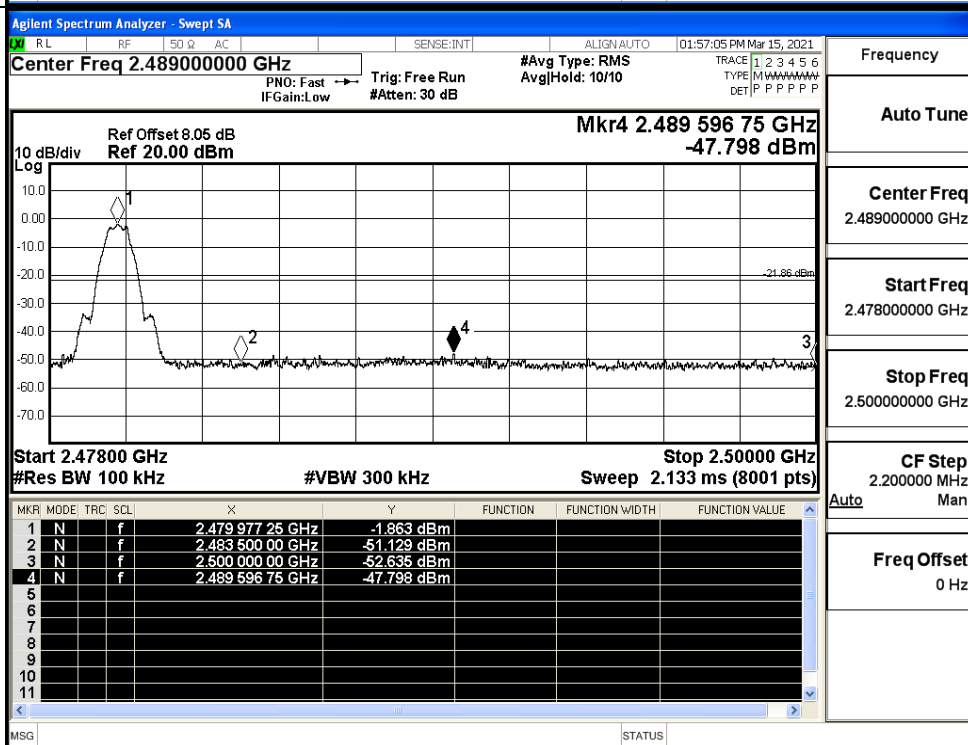
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.341	-50.115	-23.34	PASS
BT LE	HCH	-1.863	-47.798	-21.86	PASS

Test Graphs

LCH



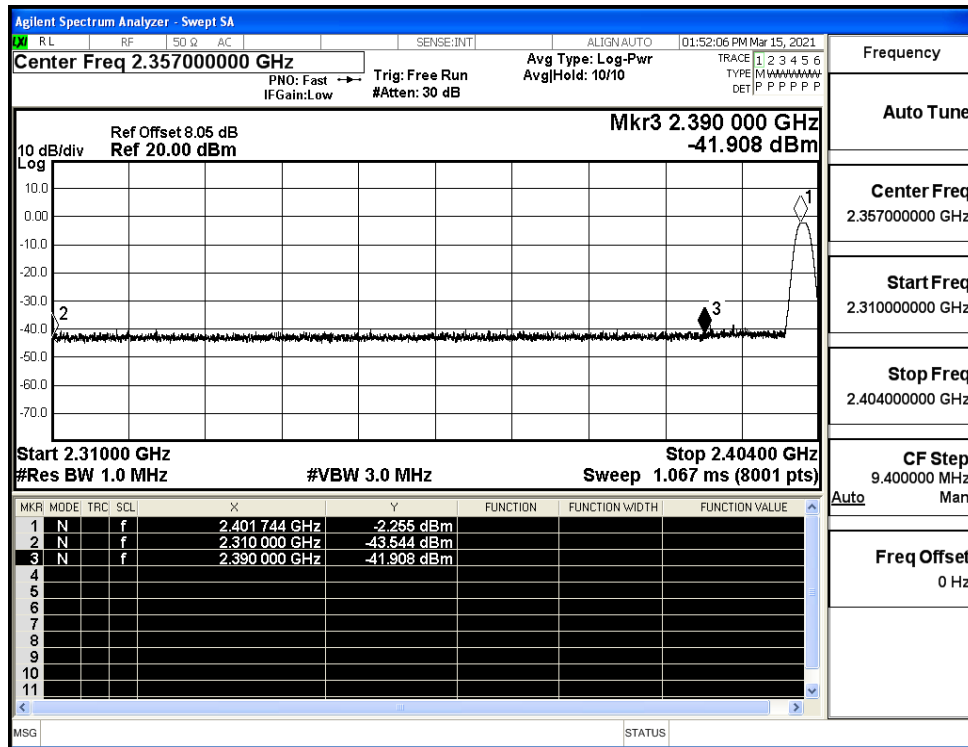
HCH



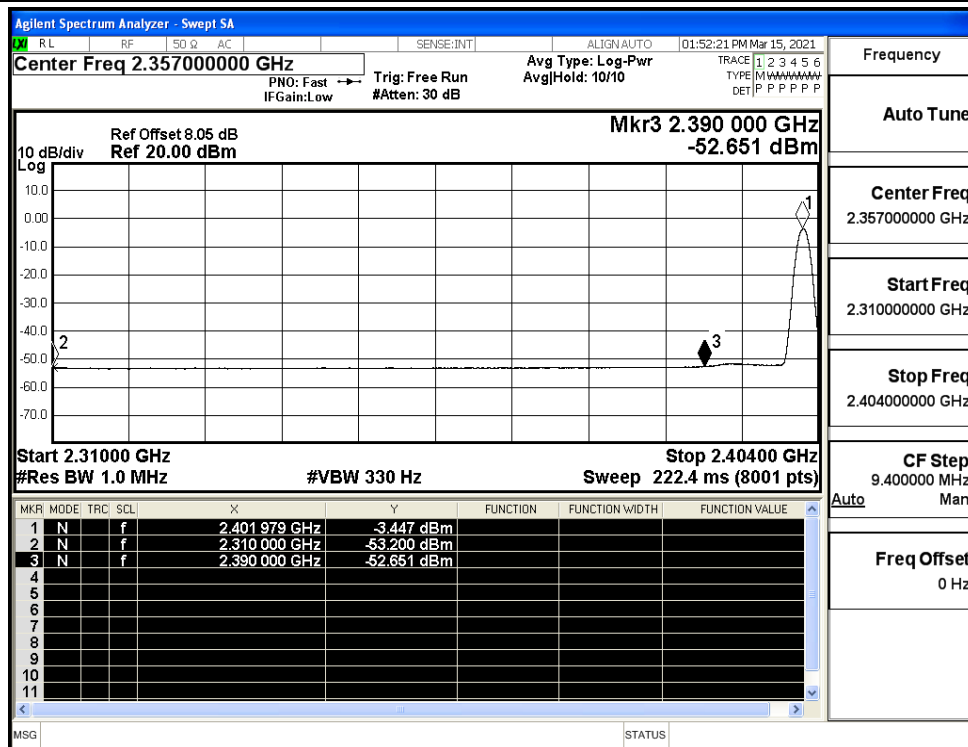
B.7 Restrict-band band-edge measurements

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	-43.54	2.0	0	53.72	PEAK	74	PASS
		Ant1	2310.0	-53.20	2.0	0	44.06	AV	54	PASS
		Ant1	2390.0	-41.91	2.0	0	55.35	PEAK	74	PASS
		Ant1	2390.0	-52.65	2.0	0	44.61	AV	54	PASS
	2480	Ant1	2483.5	-41.17	2.0	0	56.09	PEAK	74	PASS
		Ant1	2483.5	-51.70	2.0	0	45.56	AV	54	PASS
		Ant1	2500.0	-41.62	2.0	0	55.64	PEAK	74	PASS
		Ant1	2500.0	-52.29	2.0	0	44.97	AV	54	PASS

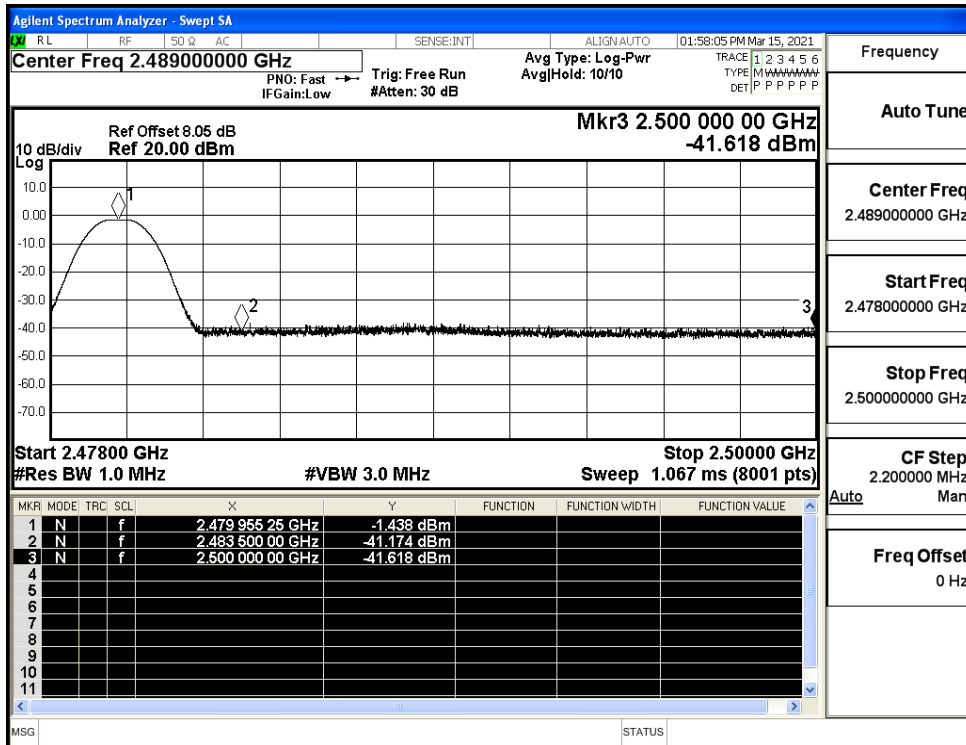
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

