

Appendix B

RF Test Data for BT V4.2(DTS) (Conducted Measurement)

Product Name: intelligent Neck Massager

Trade Mark: Wellue, LEPULSE

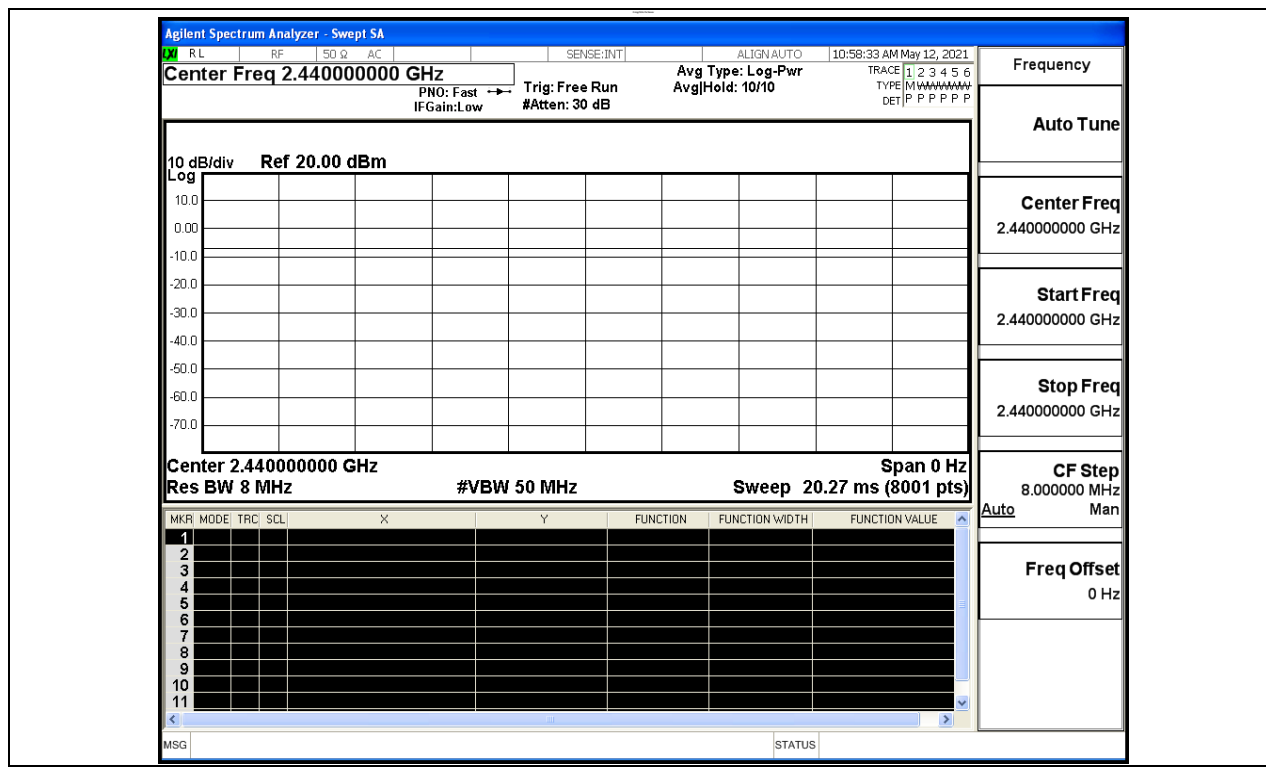
Test Model: M1

Environmental Conditions

Temperature:	24.6 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

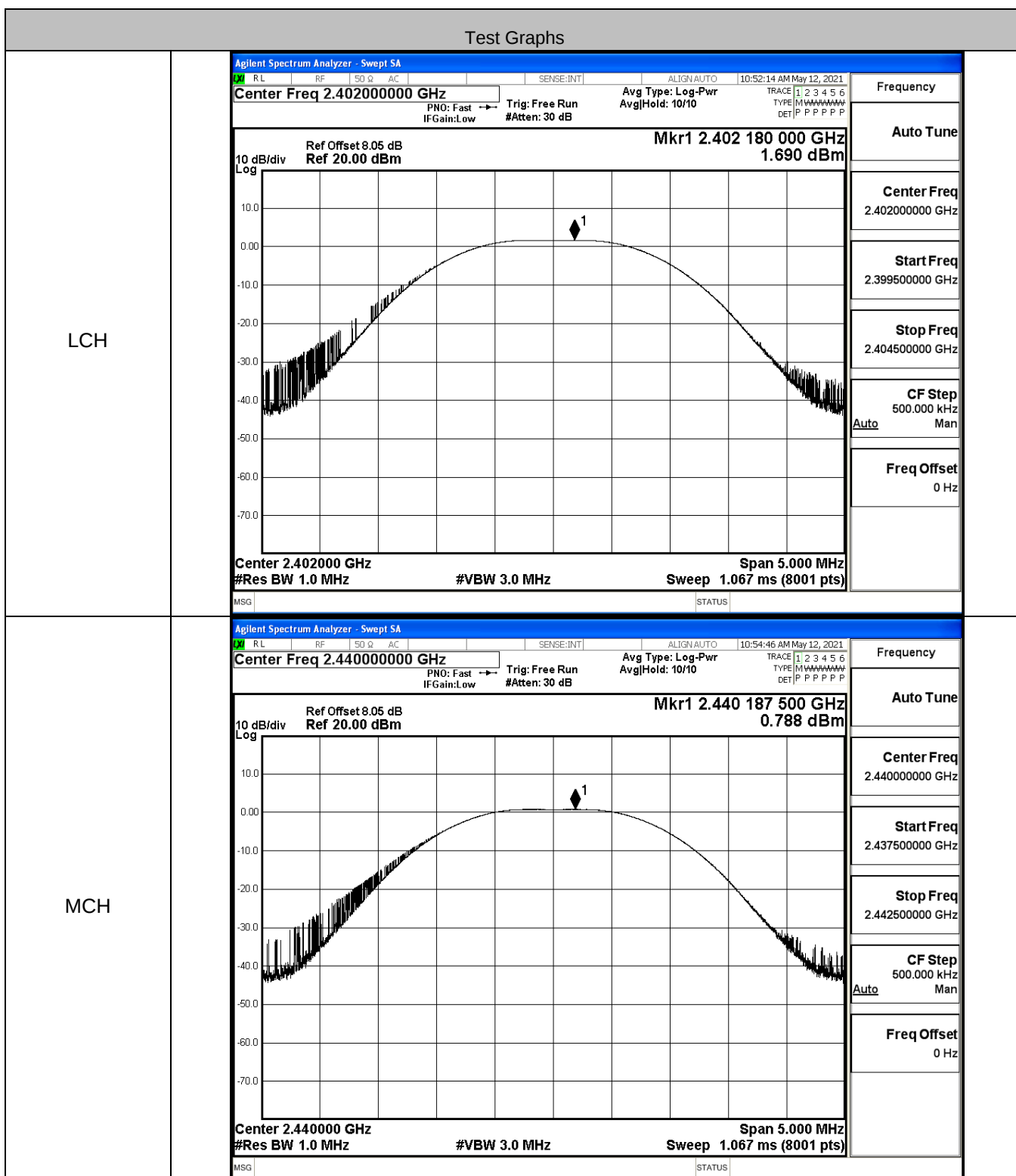
B.1 Duty Cycle

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

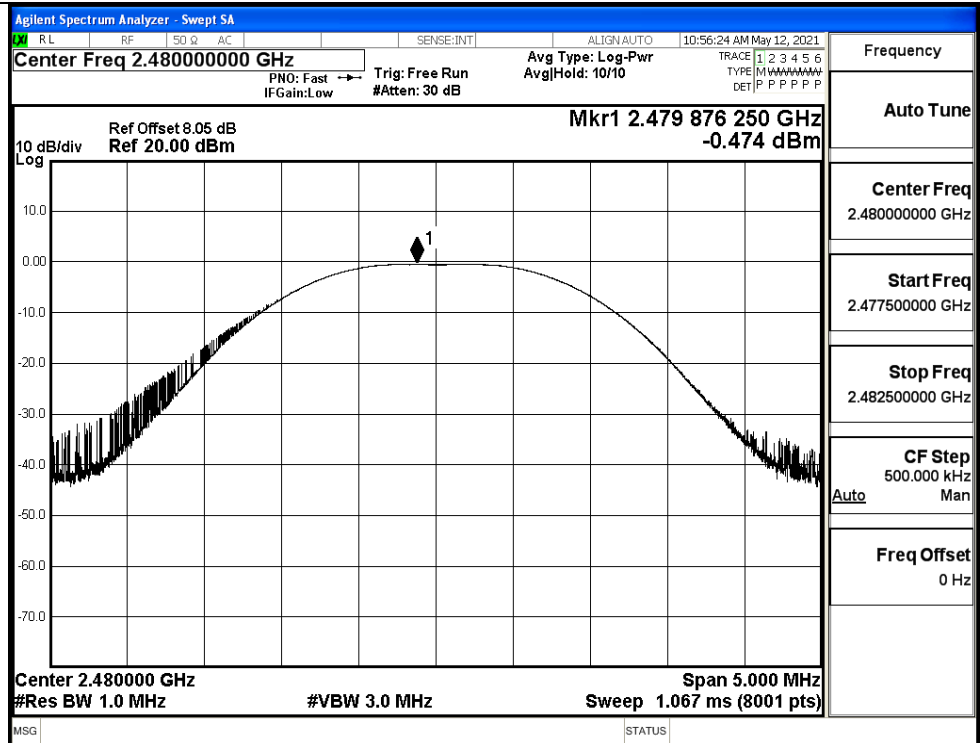


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.69	30	PASS
BT LE	MCH	0.788	30	PASS
BT LE	HCH	-0.474	30	PASS



HCH

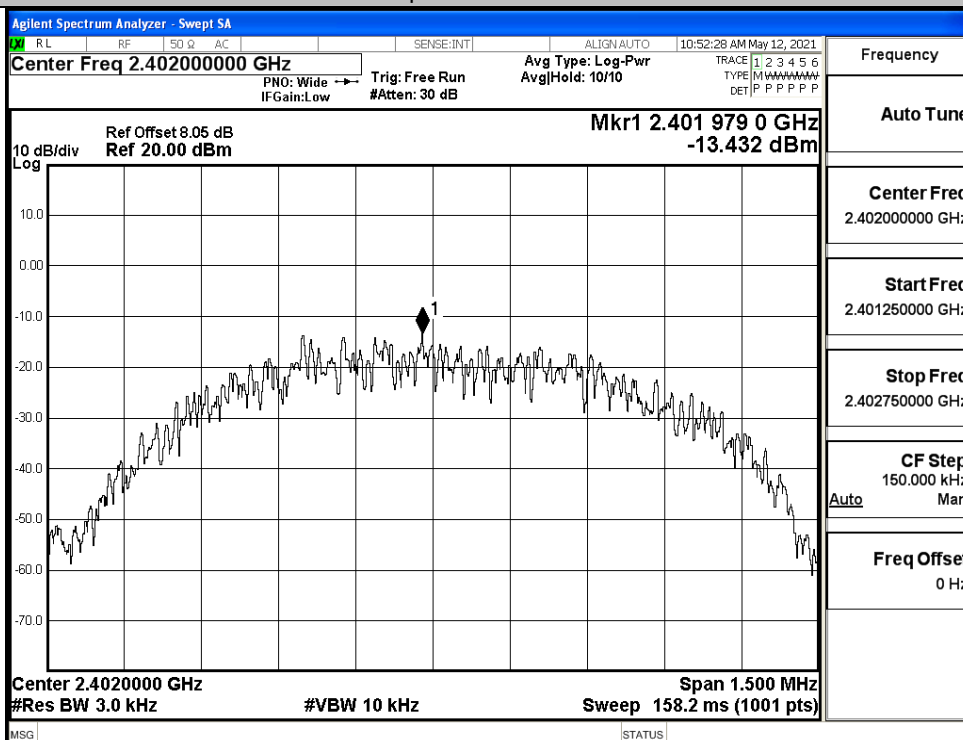


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.432	8	PASS
BT LE	MCH	-14.469	8	PASS
BT LE	HCH	-15.602	8	PASS

Test Graphs

LCH

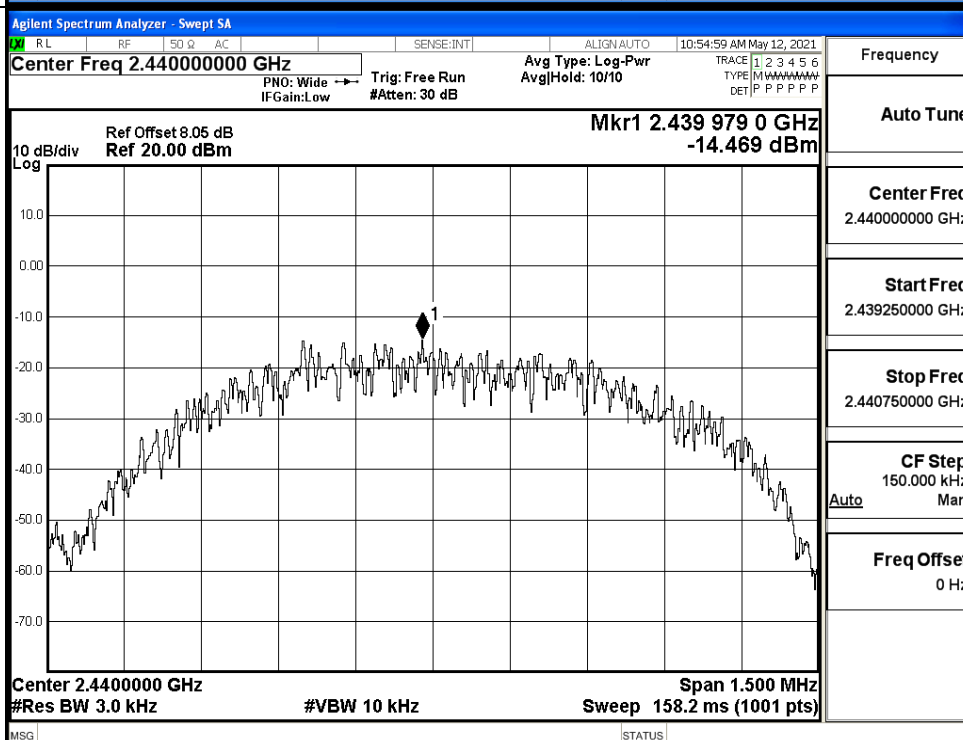


Frequency

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

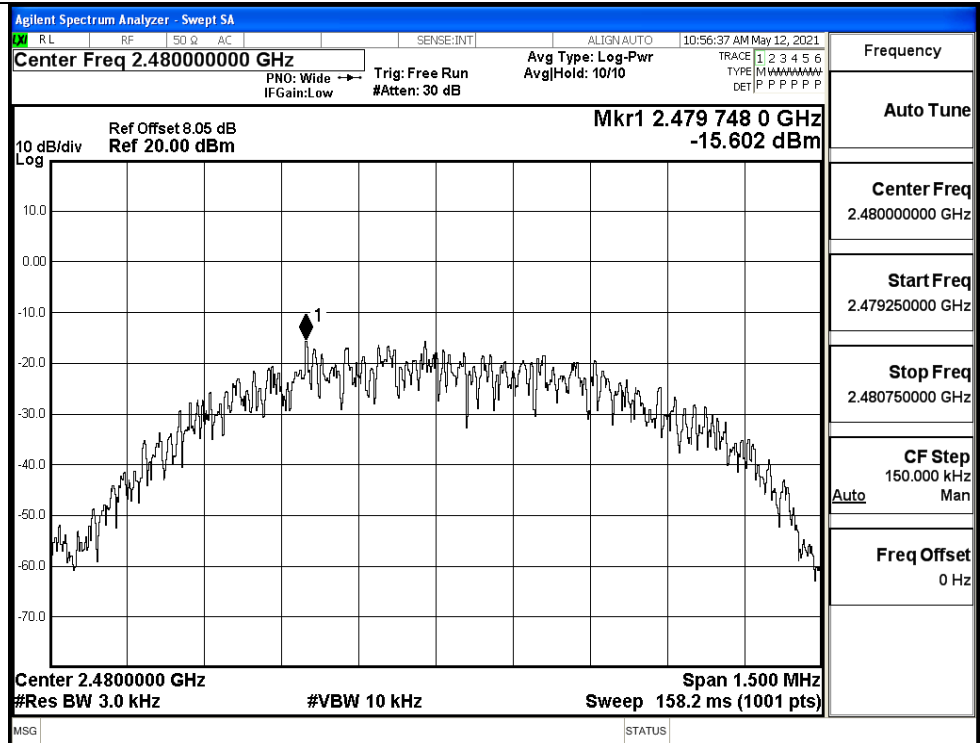


Frequency

Auto Tune

Center Freq
2.440000000 GHzStart Freq
2.439250000 GHzStop Freq
2.440750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

HCH

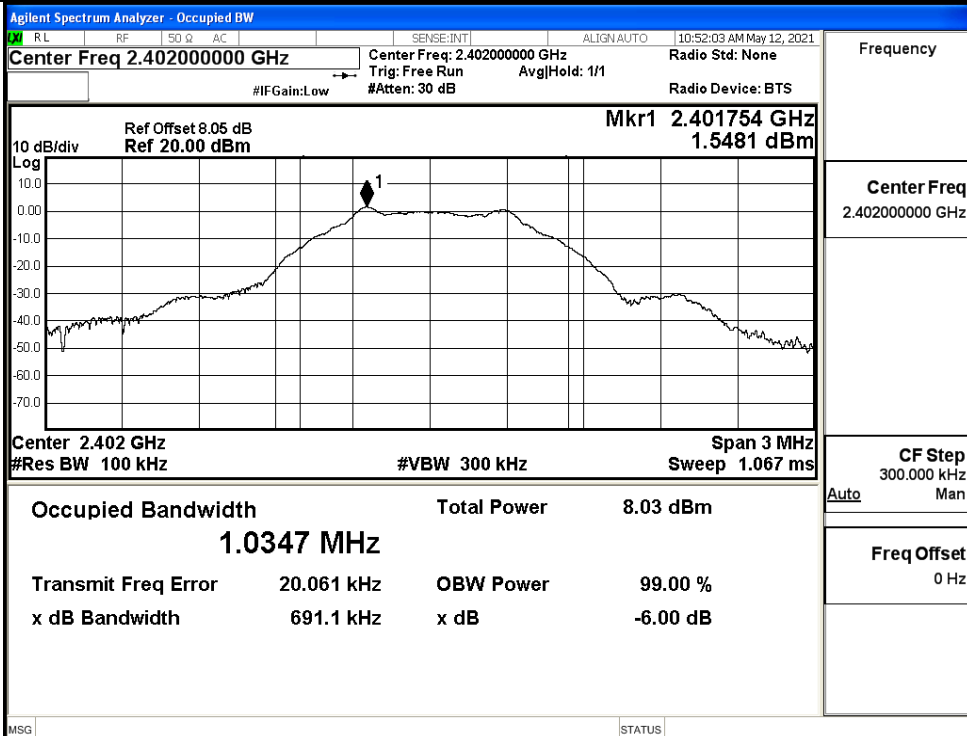


B.4 6dB Bandwidth

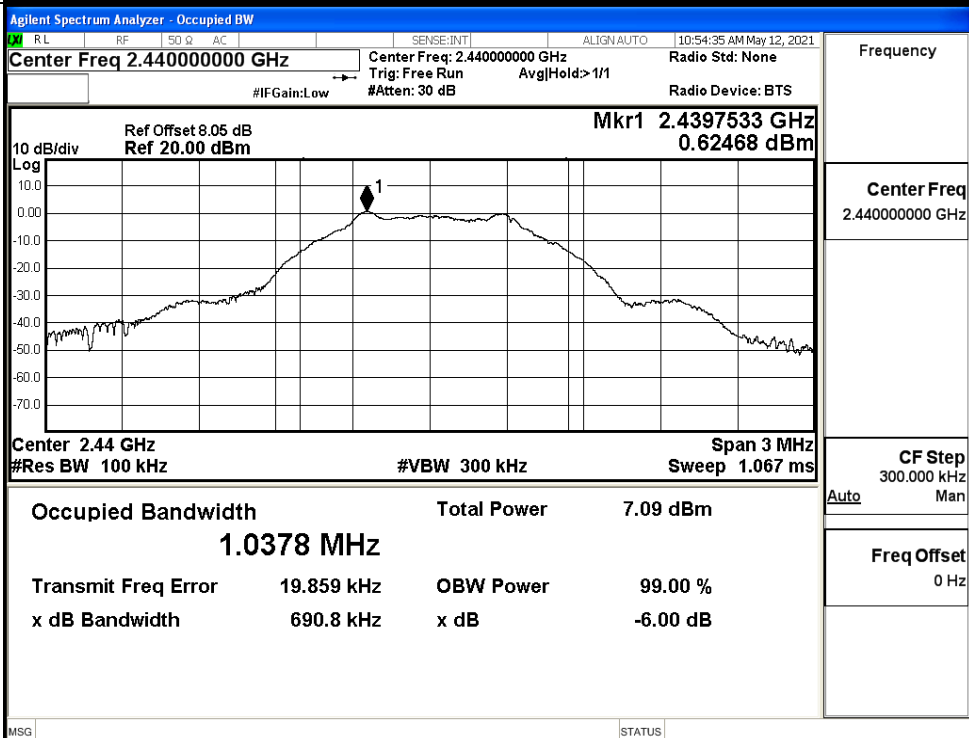
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6911	≥ 0.5	PASS
BT LE	MCH	0.6908	≥ 0.5	PASS
BT LE	HCH	0.6859	≥ 0.5	PASS

Test Graphs

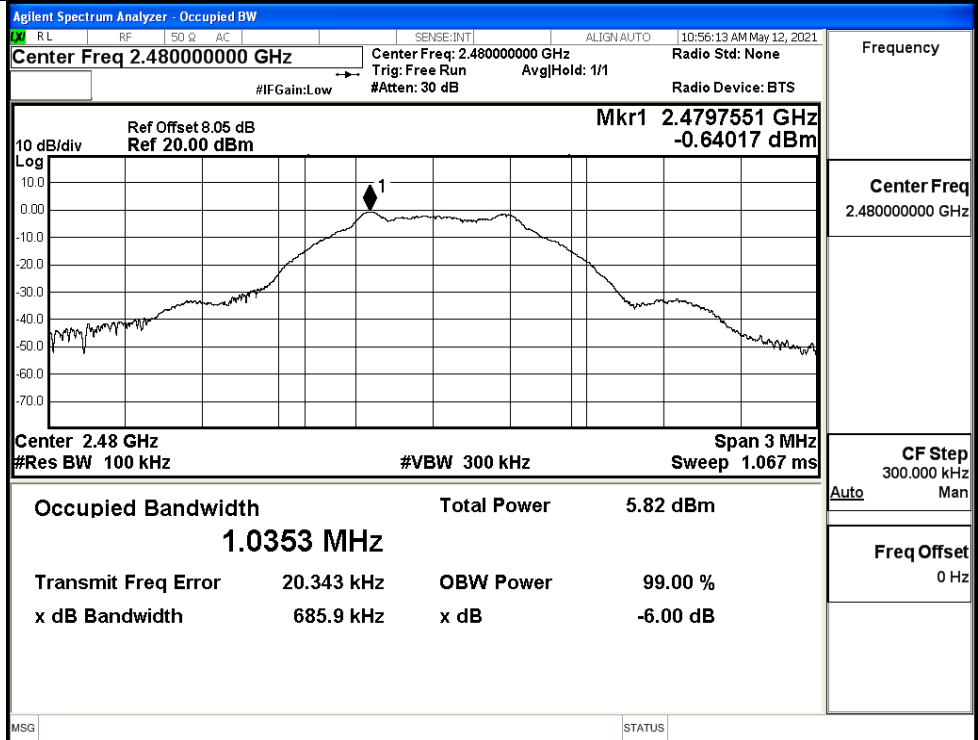
LCH



MCH



HCH

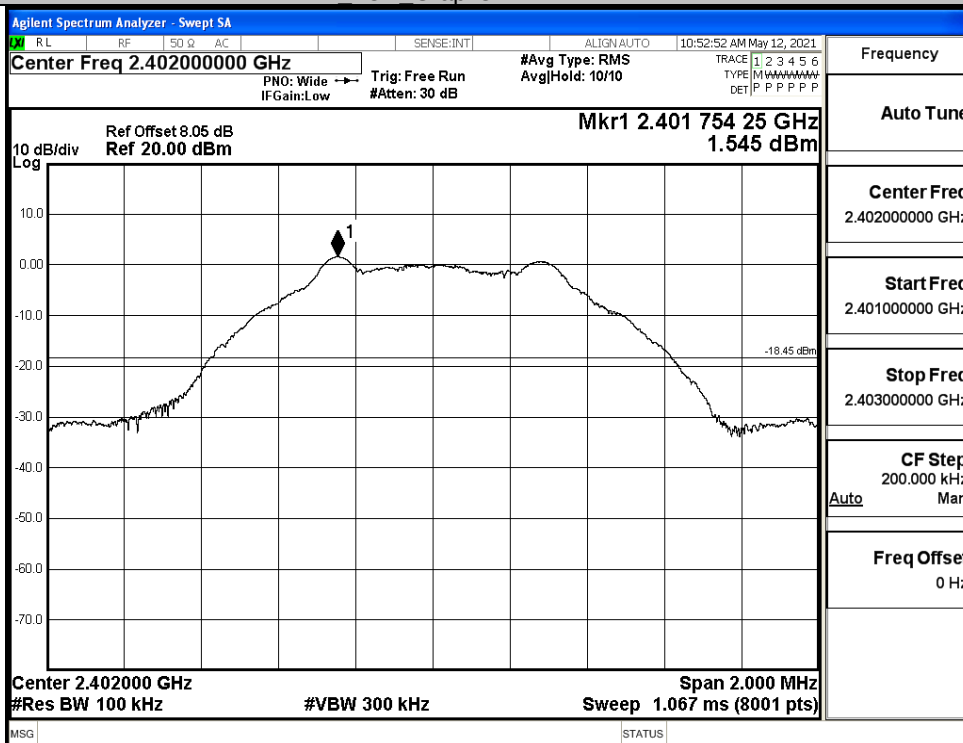


B.5 RF Conducted Spurious Emissions

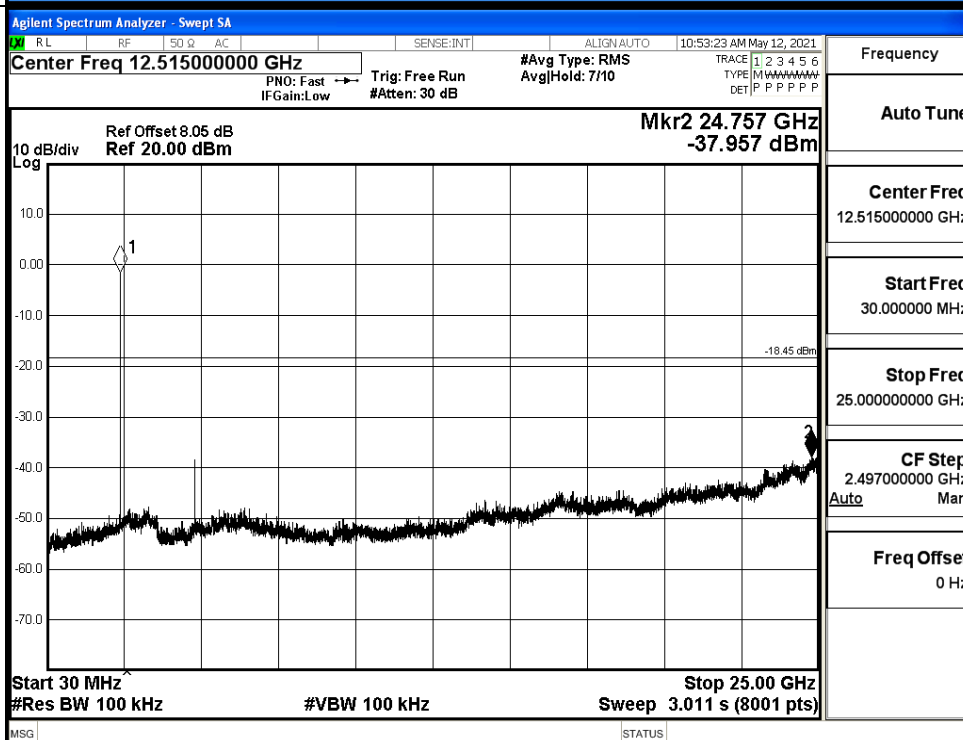
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.545	-37.957	-18.455	PASS
BT LE	MCH	0.637	-37.474	-19.363	PASS
BT LE	HCH	-0.644	-36.846	-20.644	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

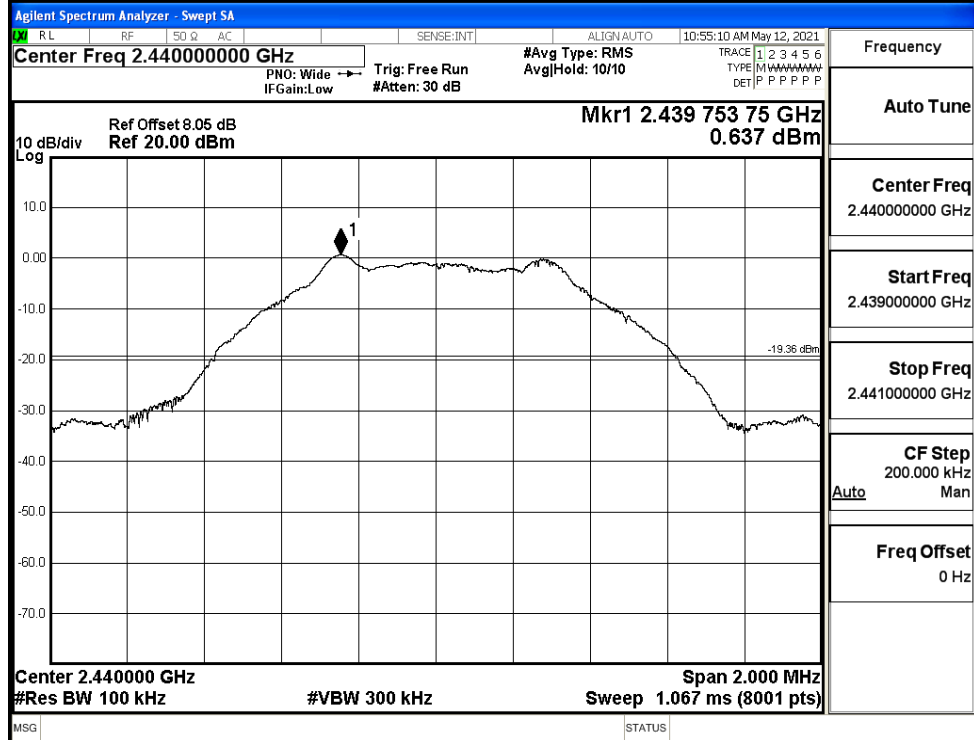


Puw/BT LE/LCH

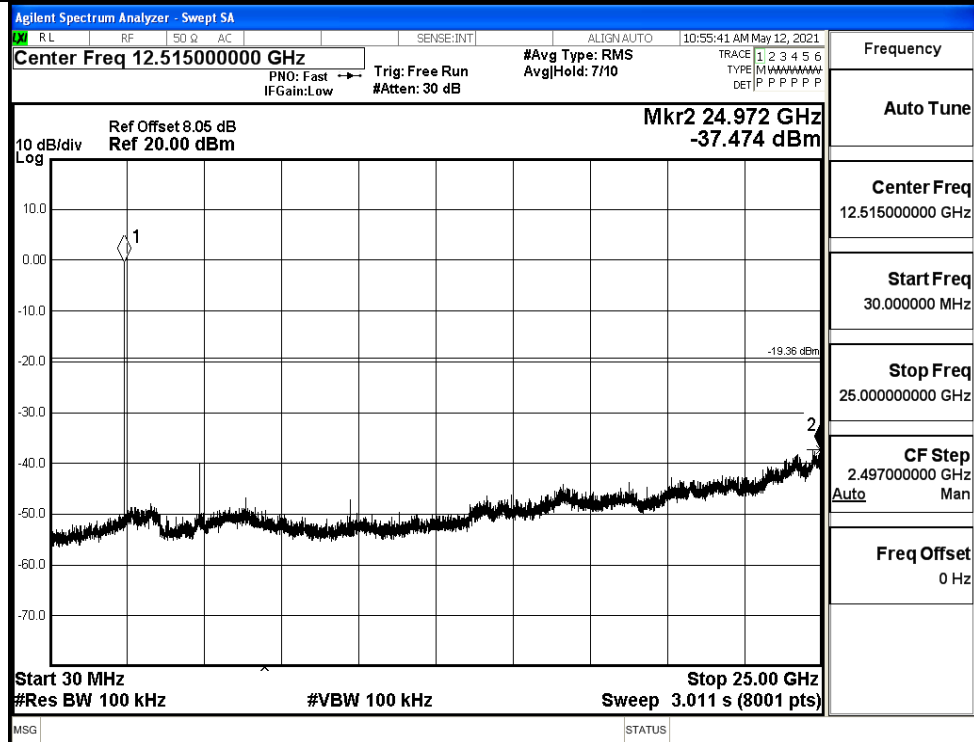


BT LE MCH Graphs

Pref/BT LE/MCH

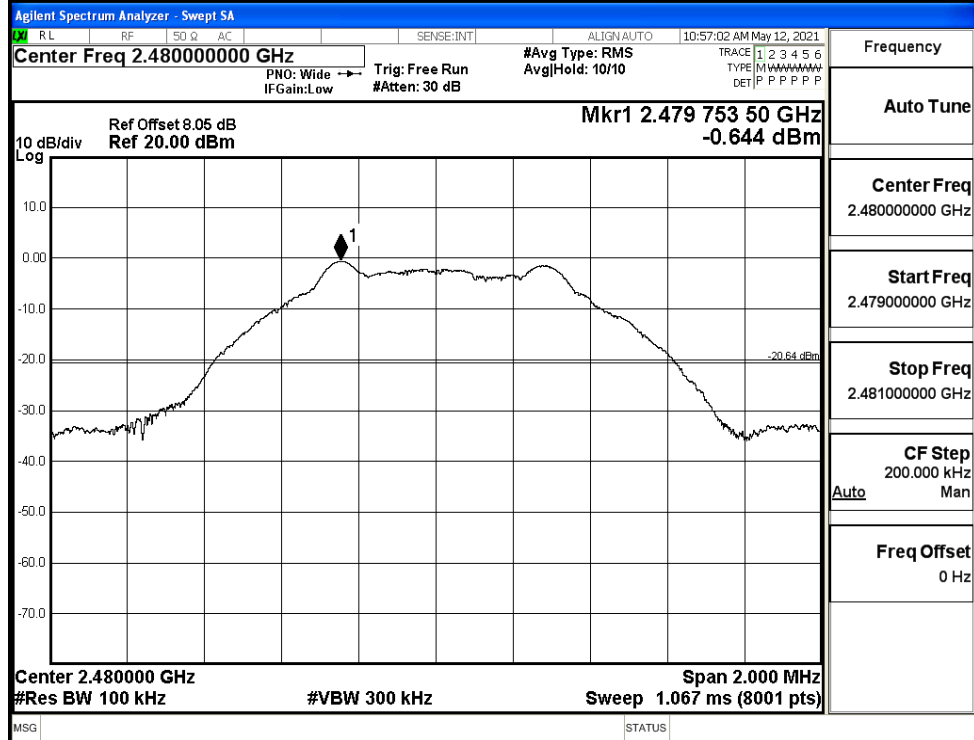


Puw/BT LE/MCH

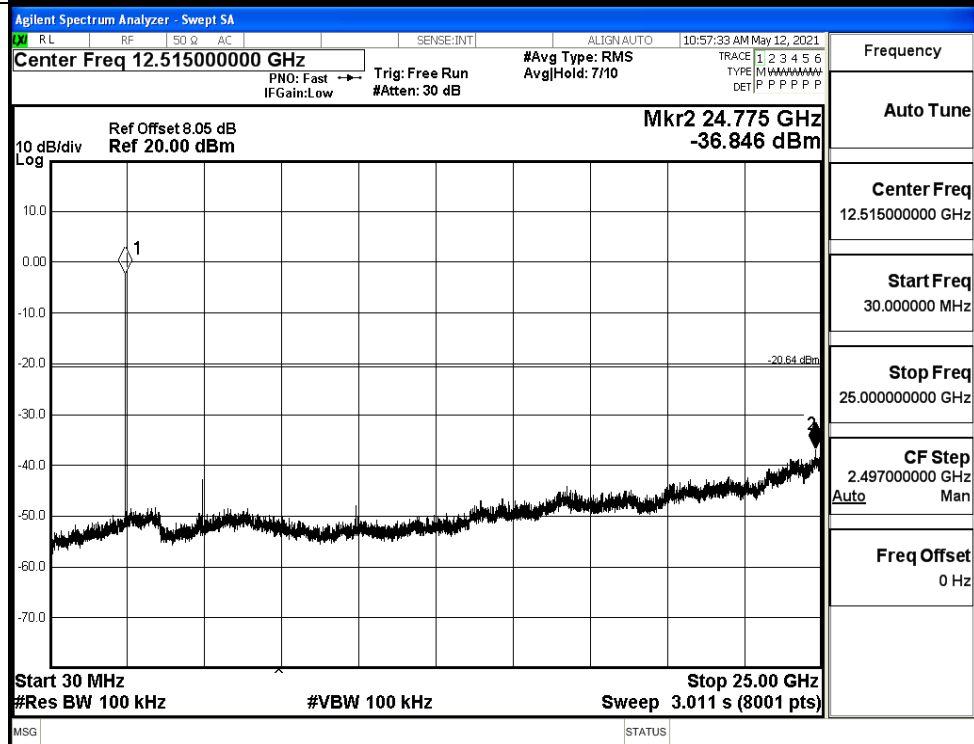


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

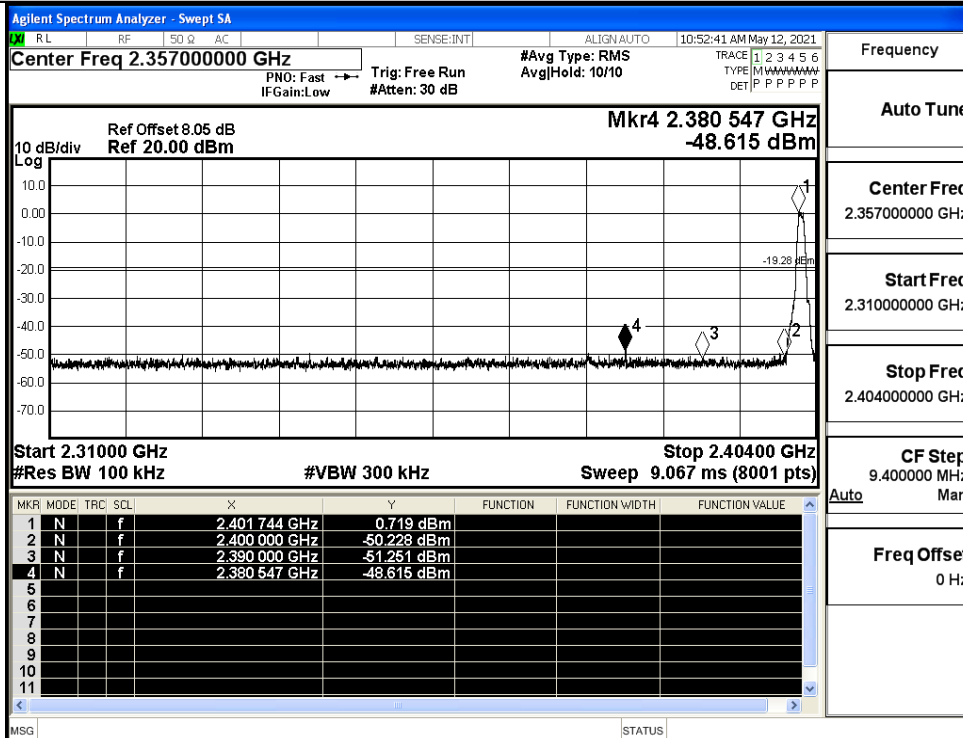


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.719	-48.615	-19.28	PASS
BT LE	HCH	-0.611	-49.121	-20.61	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

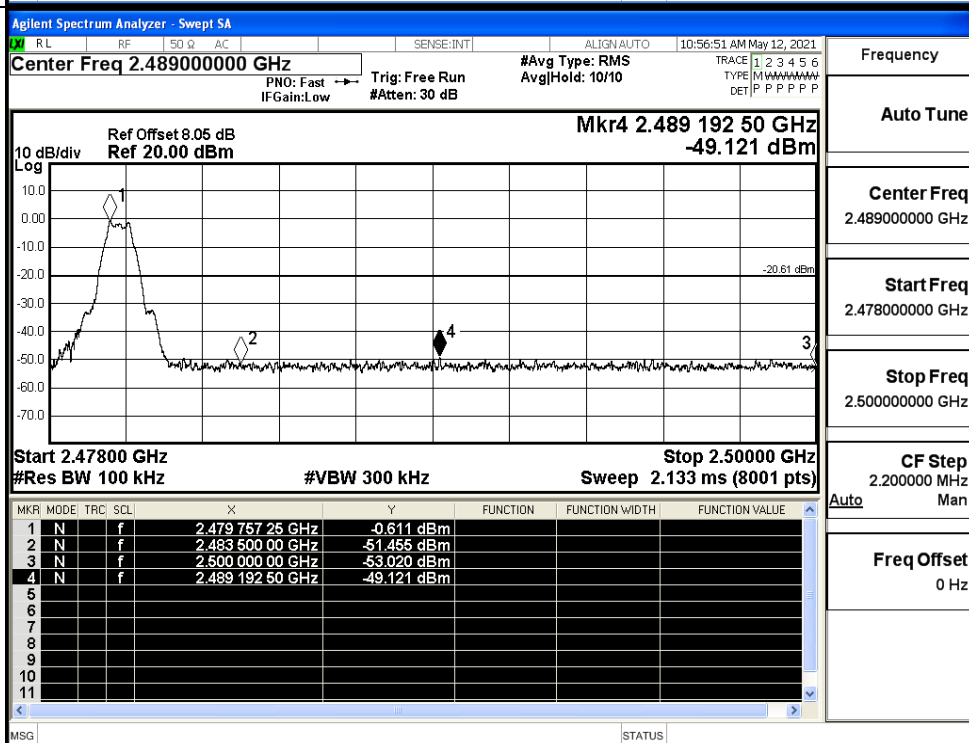
9.400000 MHz

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

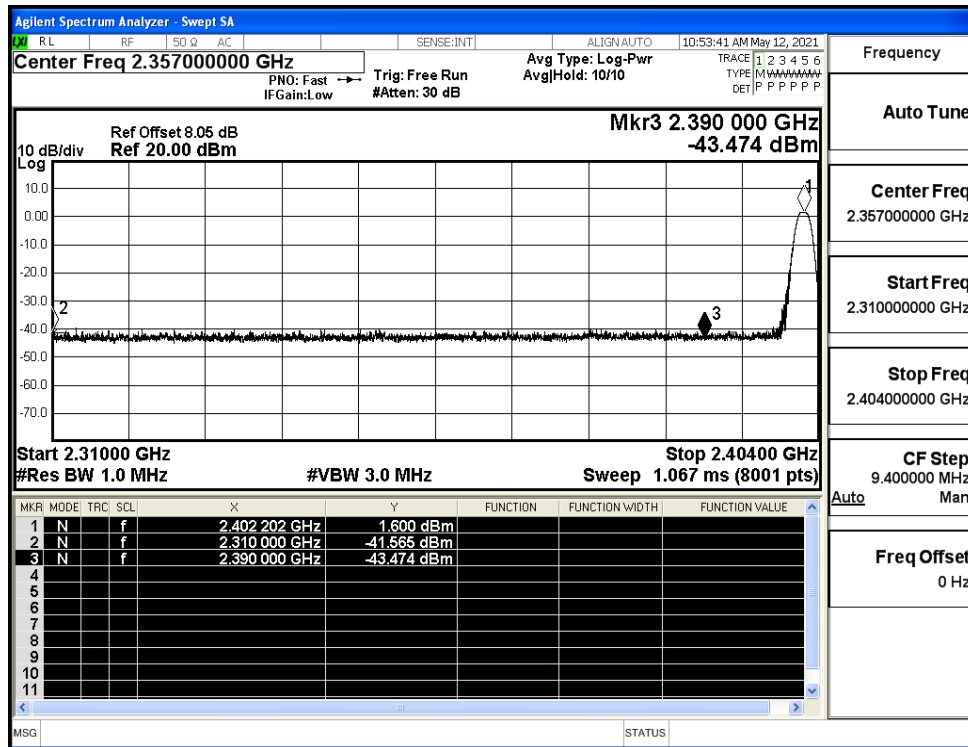
Freq Offset

0 Hz

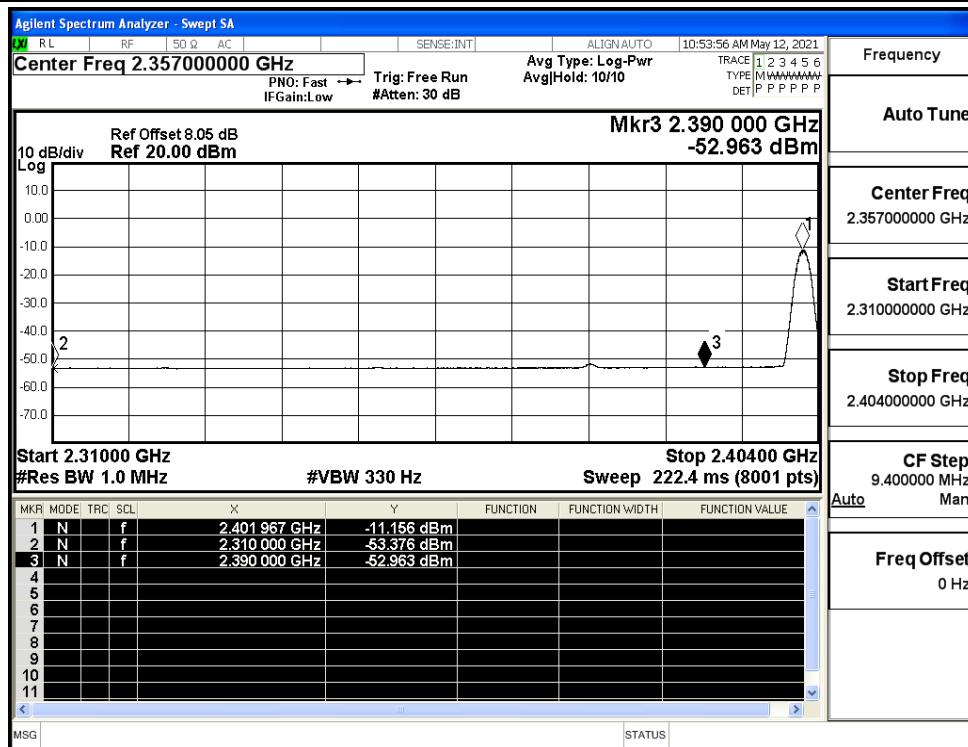
B.7 Restrict-band band-edge measurements

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	-41.57	2.0	0	53.69	PEAK	74	PASS
		Ant1	2310.0	-53.38	2.0	0	41.88	AV	54	PASS
		Ant1	2390.0	-43.47	2.0	0	51.78	PEAK	74	PASS
		Ant1	2390.0	-52.96	2.0	0	42.29	AV	54	PASS
	2480	Ant1	2483.5	-42.57	2.0	0	52.68	PEAK	74	PASS
		Ant1	2483.5	-52.54	2.0	0	42.72	AV	54	PASS
		Ant1	2500.0	-42.82	2.0	0	52.44	PEAK	74	PASS
		Ant1	2500.0	-52.31	2.0	0	42.94	AV	54	PASS

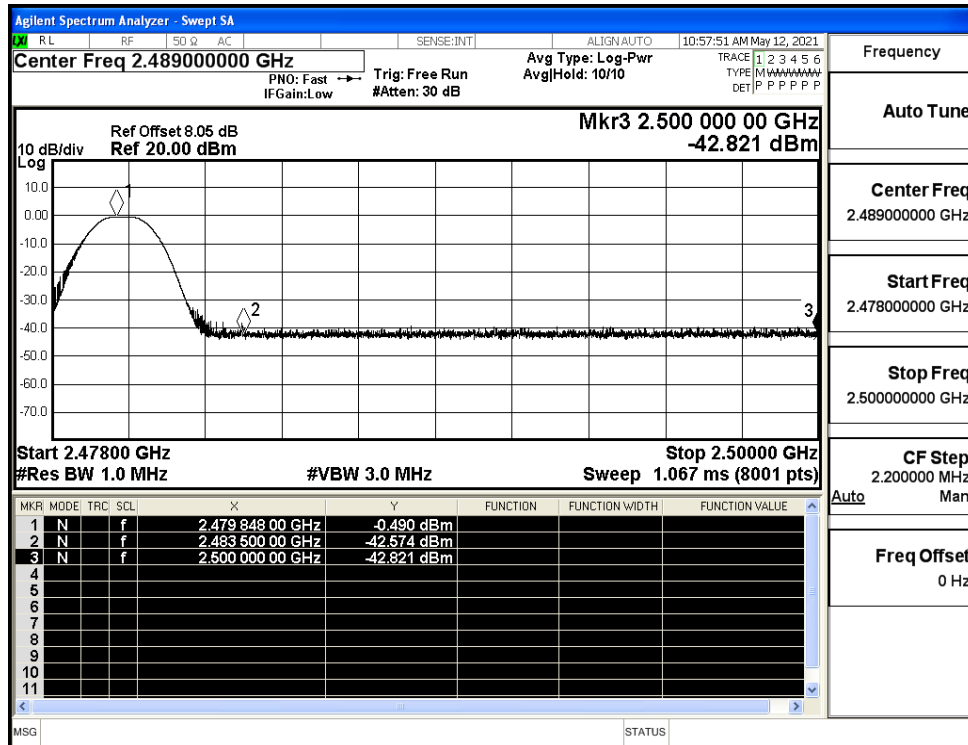
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

