

Appendix B

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

Product Name: Ride Vision 1

Trade Mark: Ride Vision

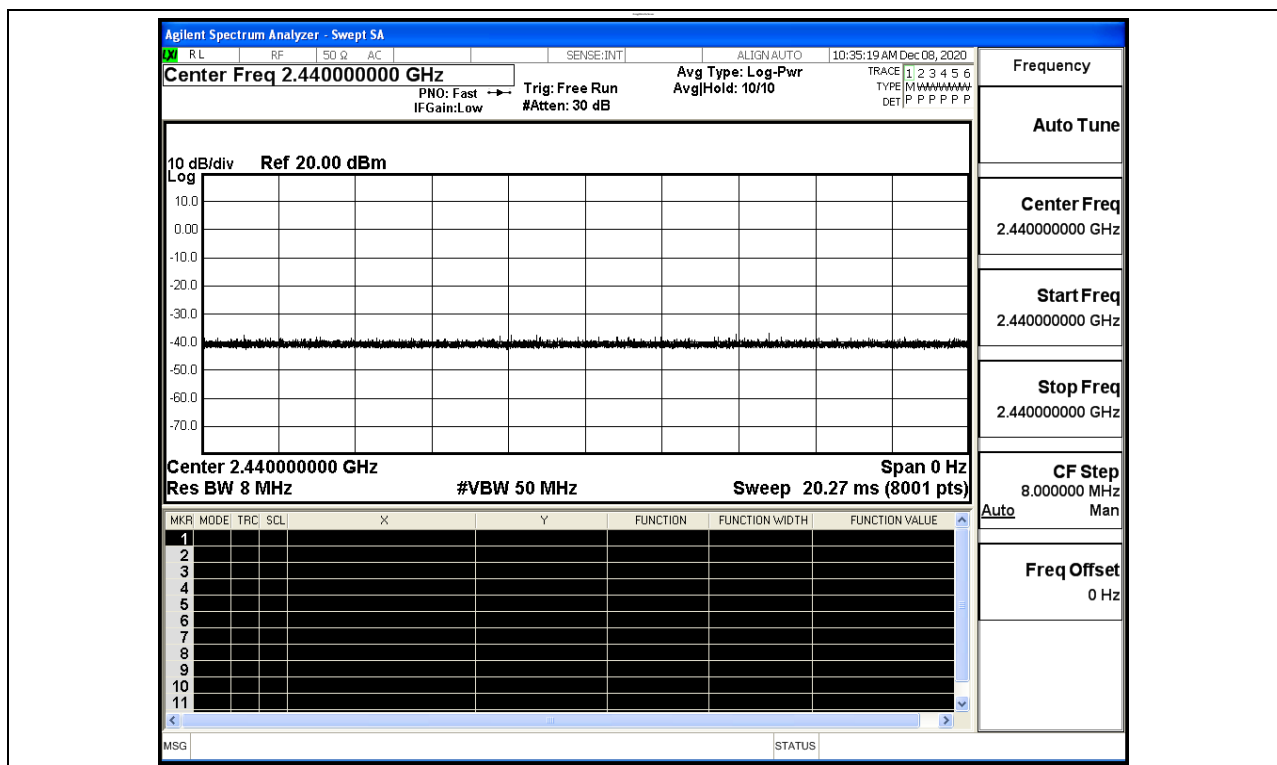
Test Model: Ride Vision 1

Environmental Conditions

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

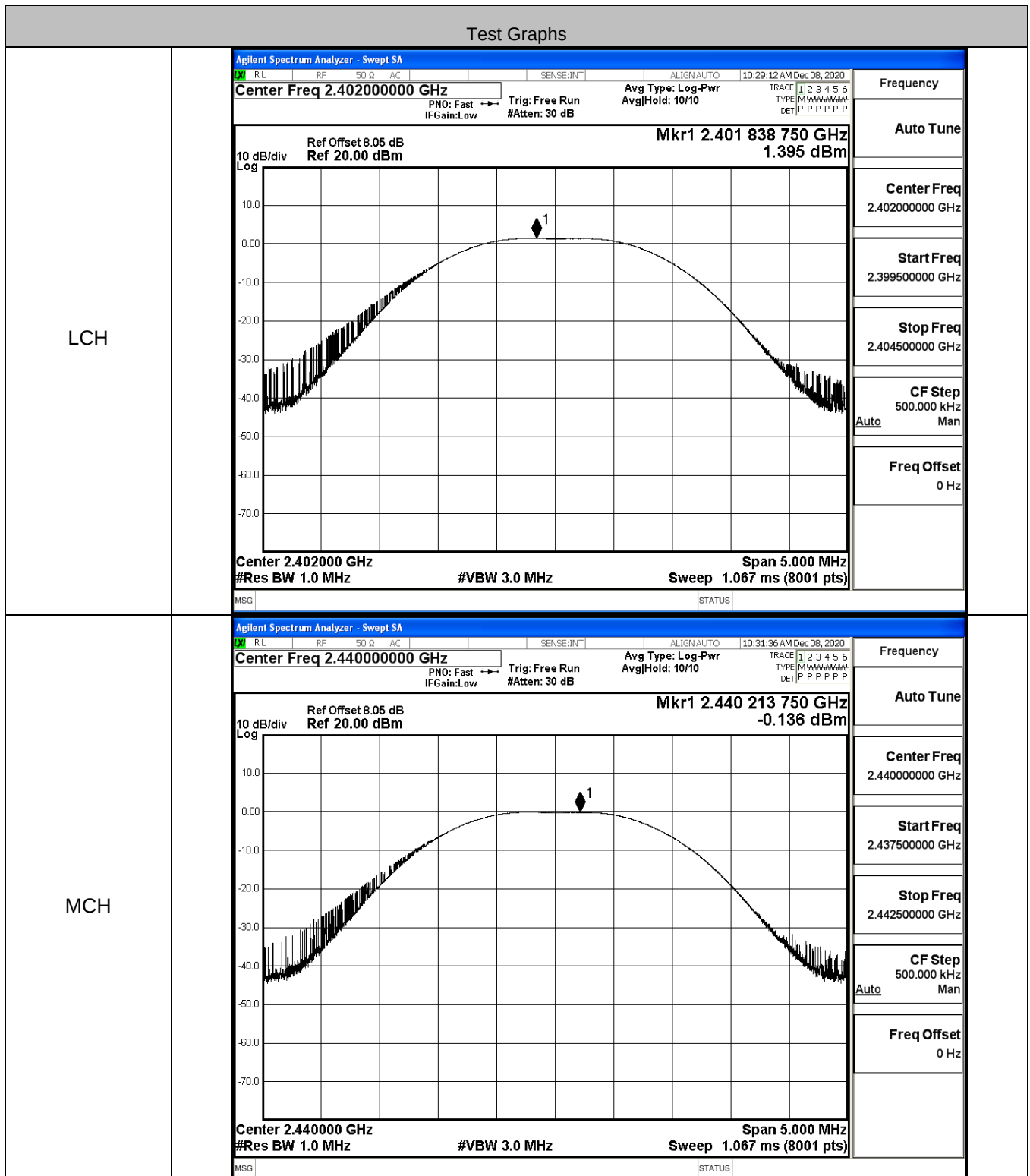
B.1 Duty Cycle

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	1.395	30	PASS
BT LE	MCH	-0.136	30	PASS
BT LE	HCH	-2.301	30	PASS



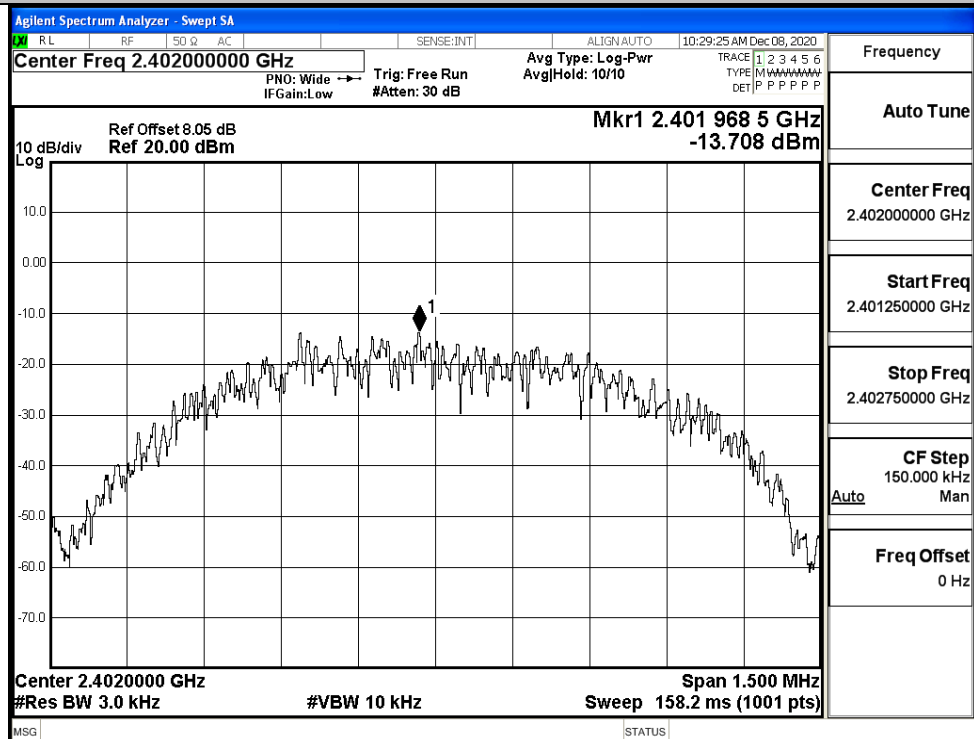


B.3 Maximum Power Spectral Density

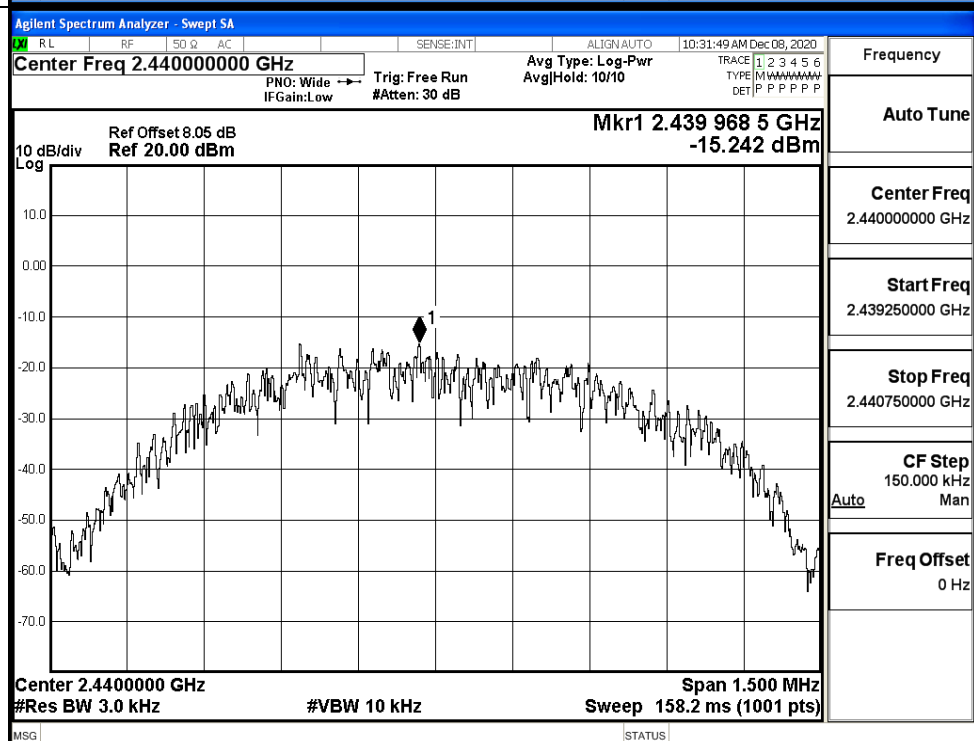
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.708	8	PASS
BT LE	MCH	-15.242	8	PASS
BT LE	HCH	-17.372	8	PASS

Test Graphs

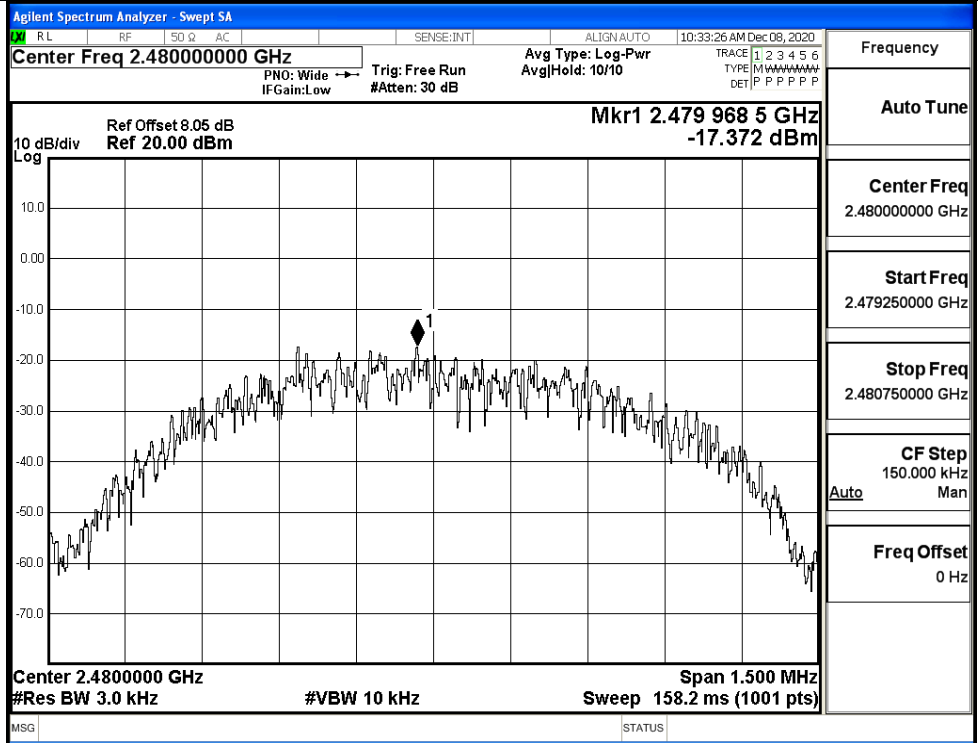
LCH



MCH



HCH

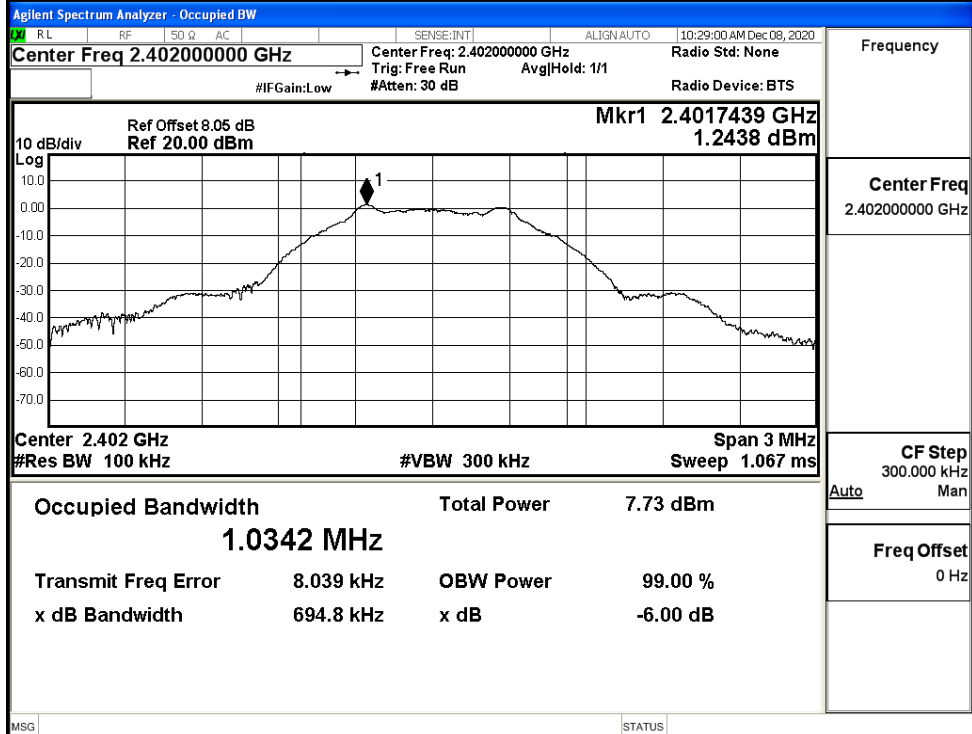


B.4 6dB Bandwidth

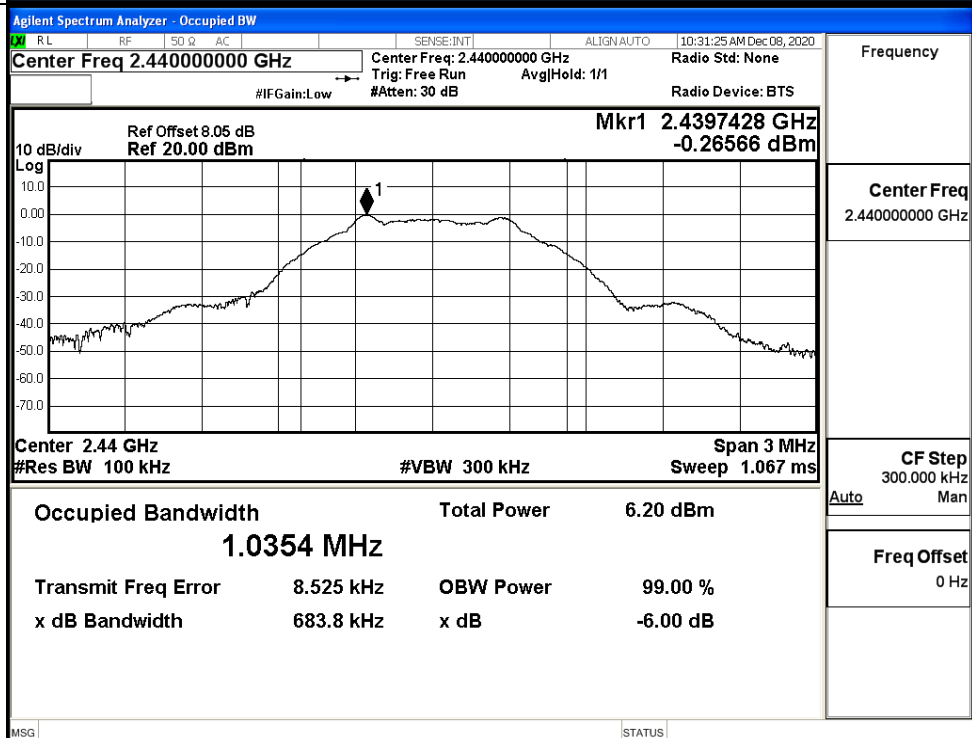
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6948	≥ 0.5	PASS
BT LE	MCH	0.6838	≥ 0.5	PASS
BT LE	HCH	0.6968	≥ 0.5	PASS

Test Graphs

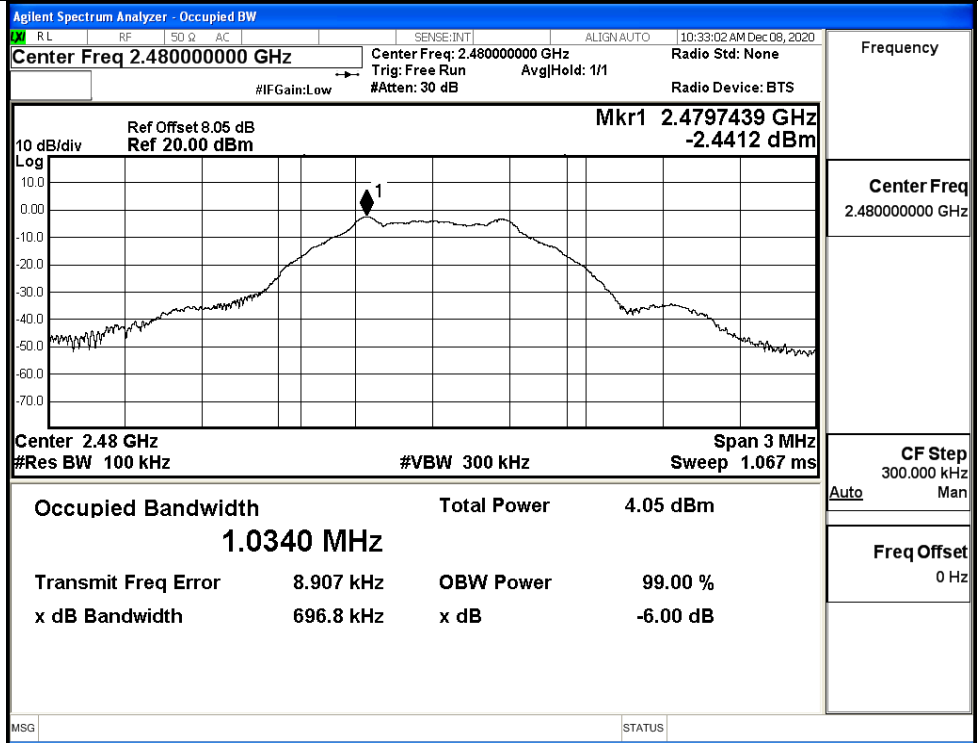
LCH



MCH

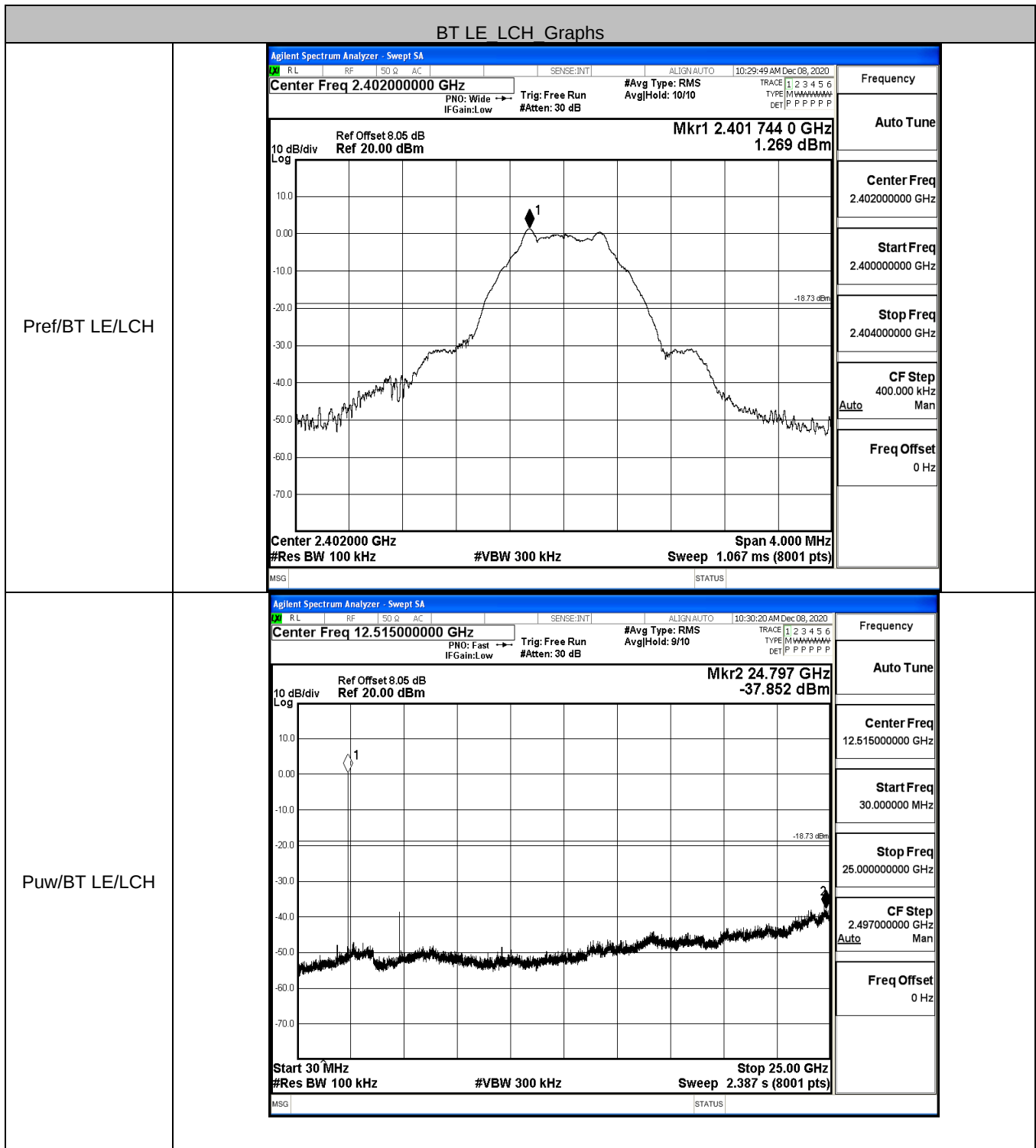


HCH



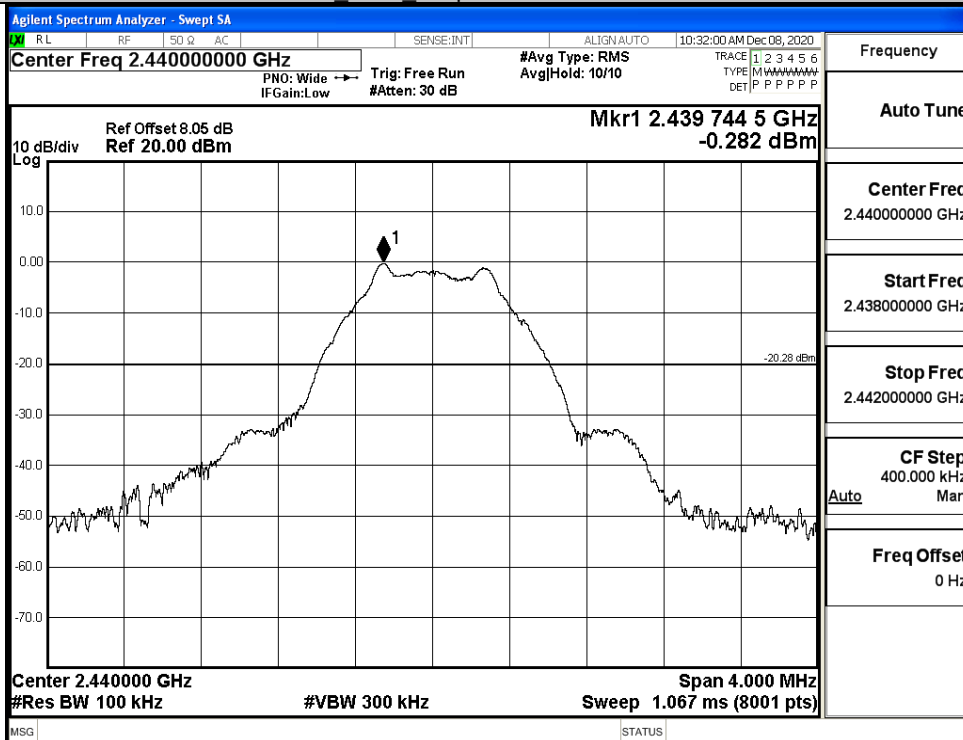
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.269	-37.852	-18.731	PASS
BT LE	MCH	-0.282	-34.886	-20.282	PASS
BT LE	HCH	-2.454	-37.074	-22.454	PASS

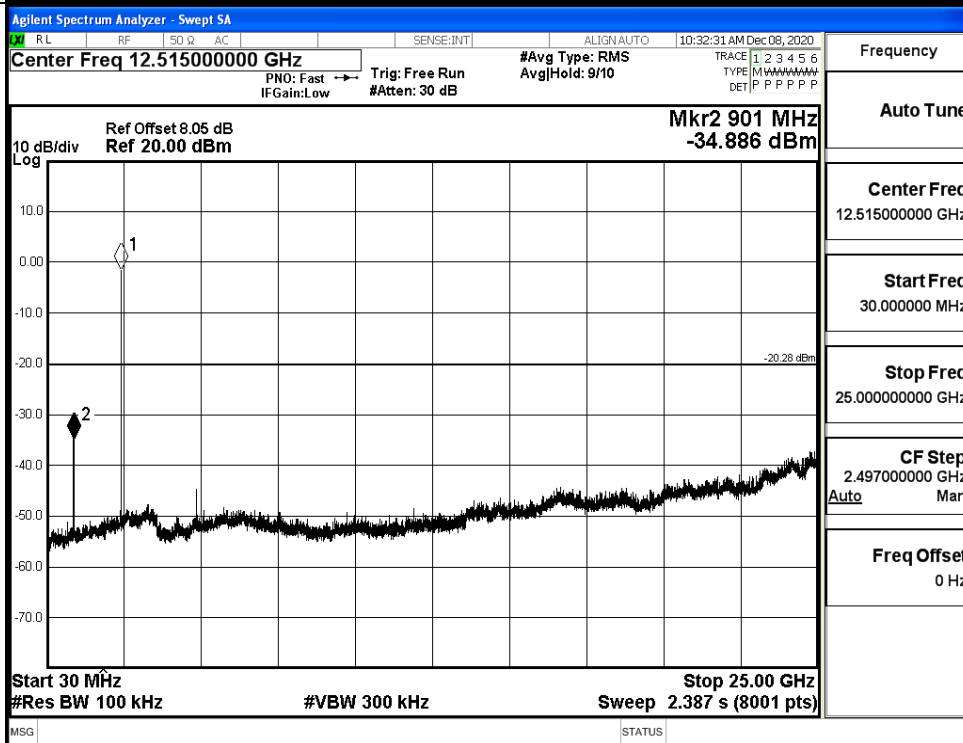


BT LE MCH Graphs

Pref/BT LE/MCH

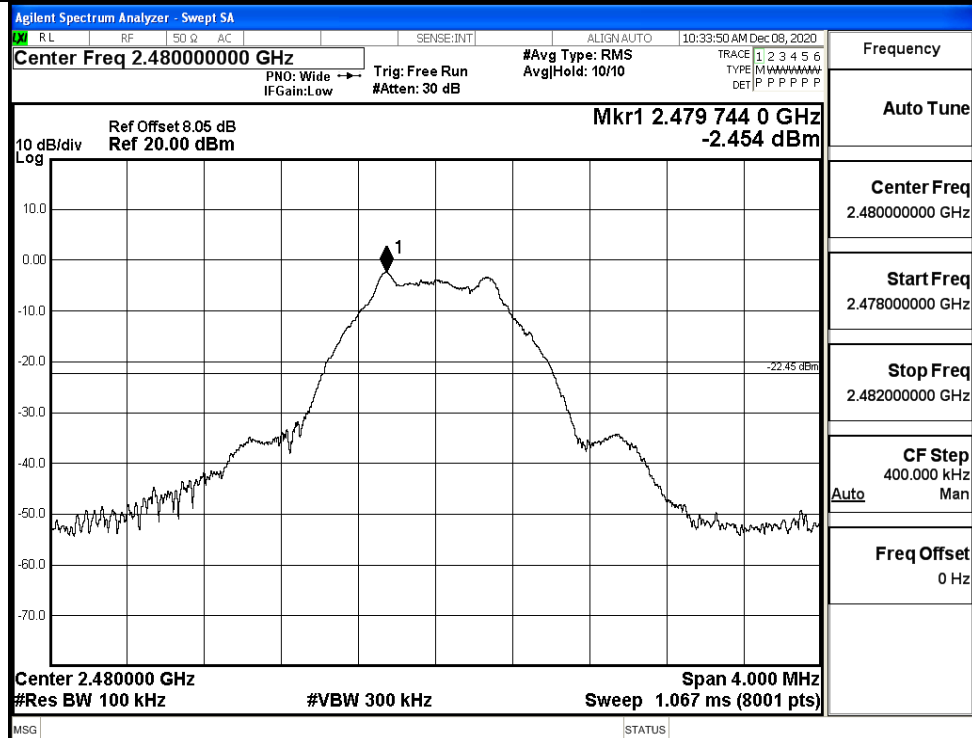


Puw/BT LE/MCH

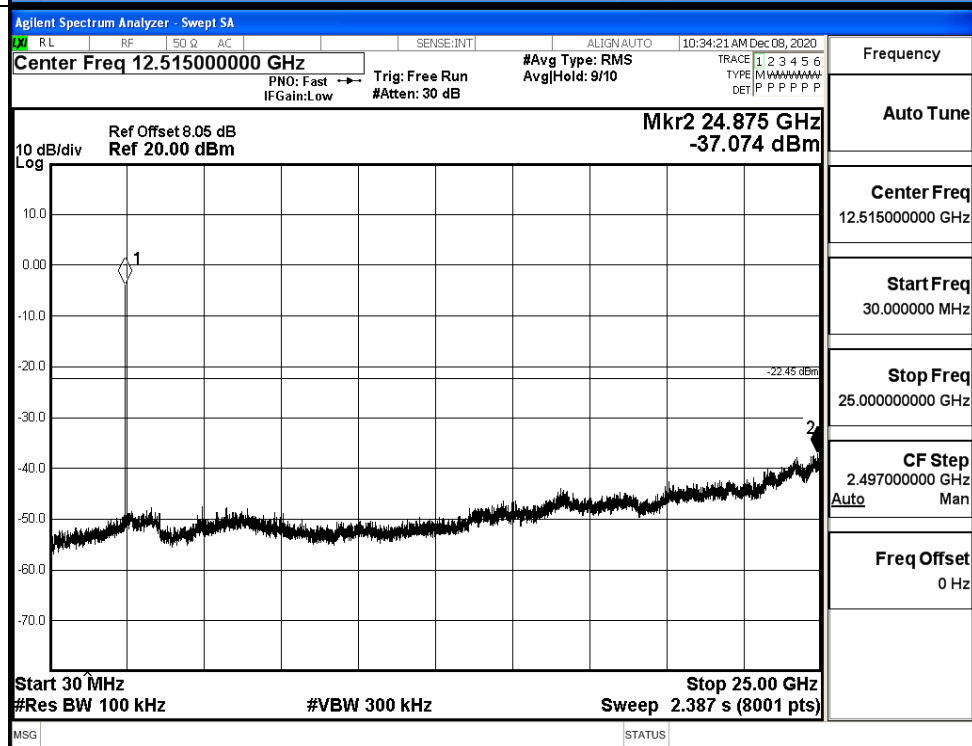


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

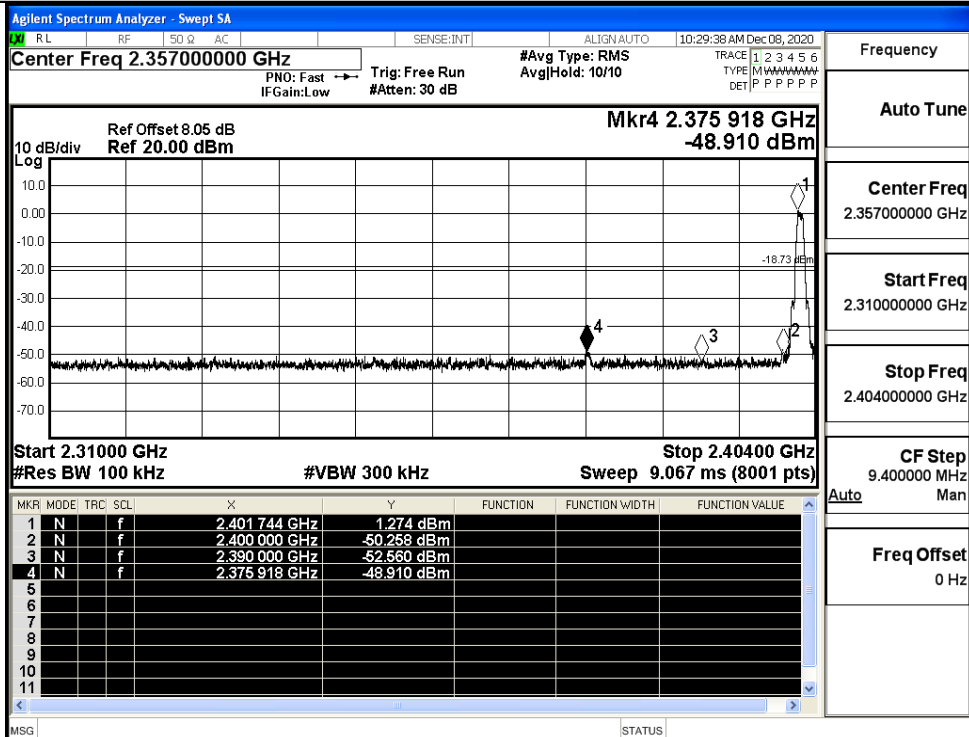


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.274	-48.910	-18.73	PASS
BT LE	HCH	-2.434	-49.555	-22.43	PASS

Test Graphs

LCH

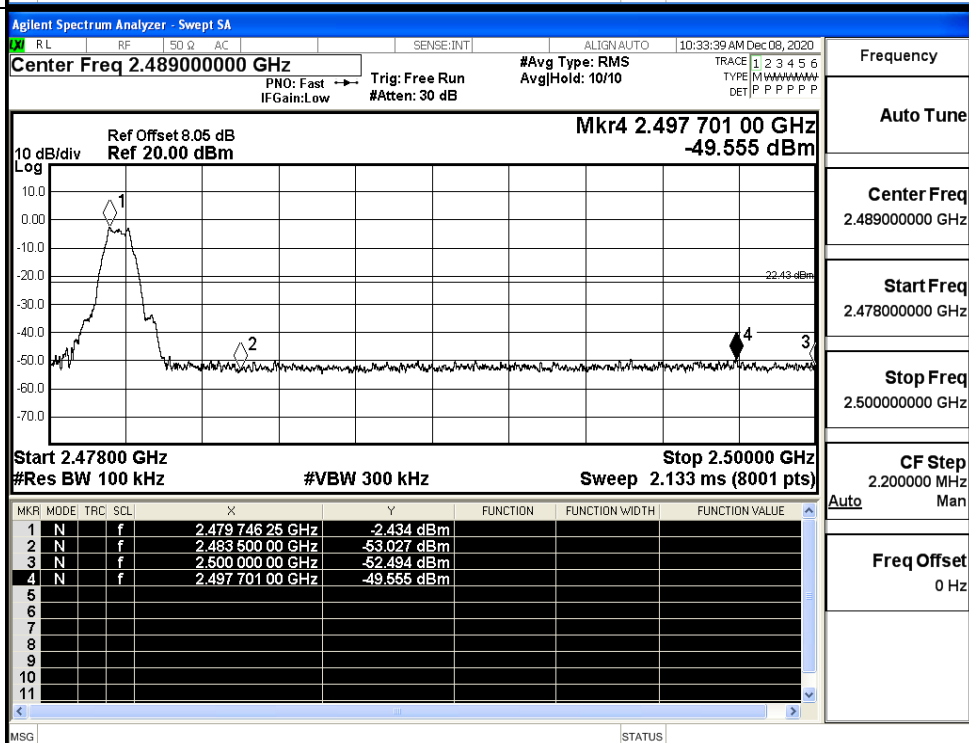


Frequency

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

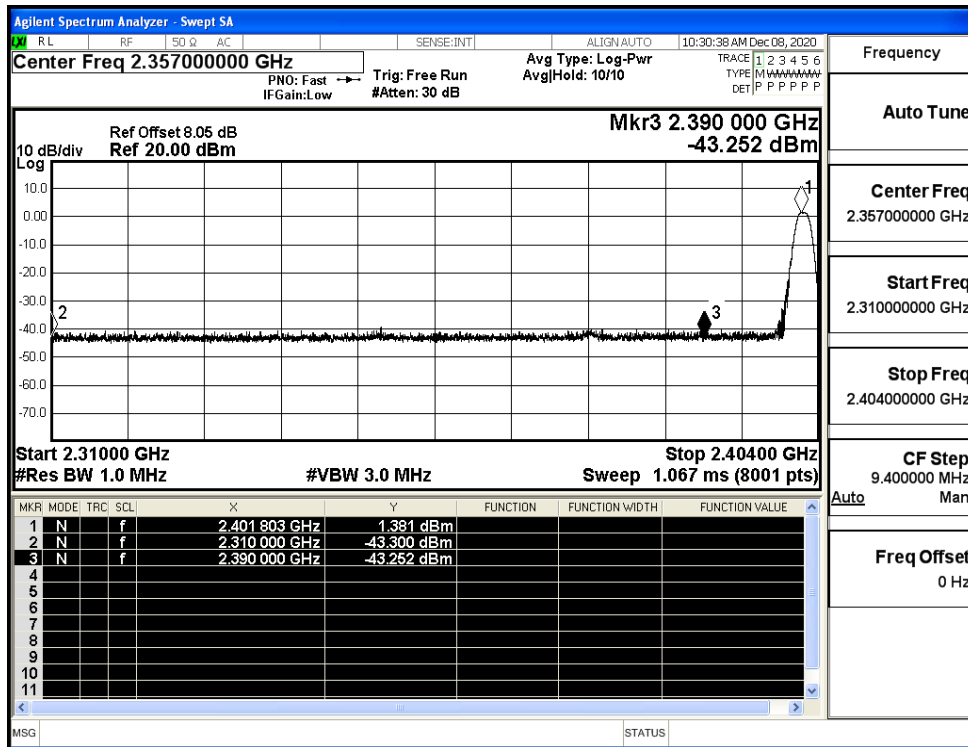
Auto Tune

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2.500000000 GHzCF Step
2.200000 MHz
Auto ManFreq Offset
0 Hz

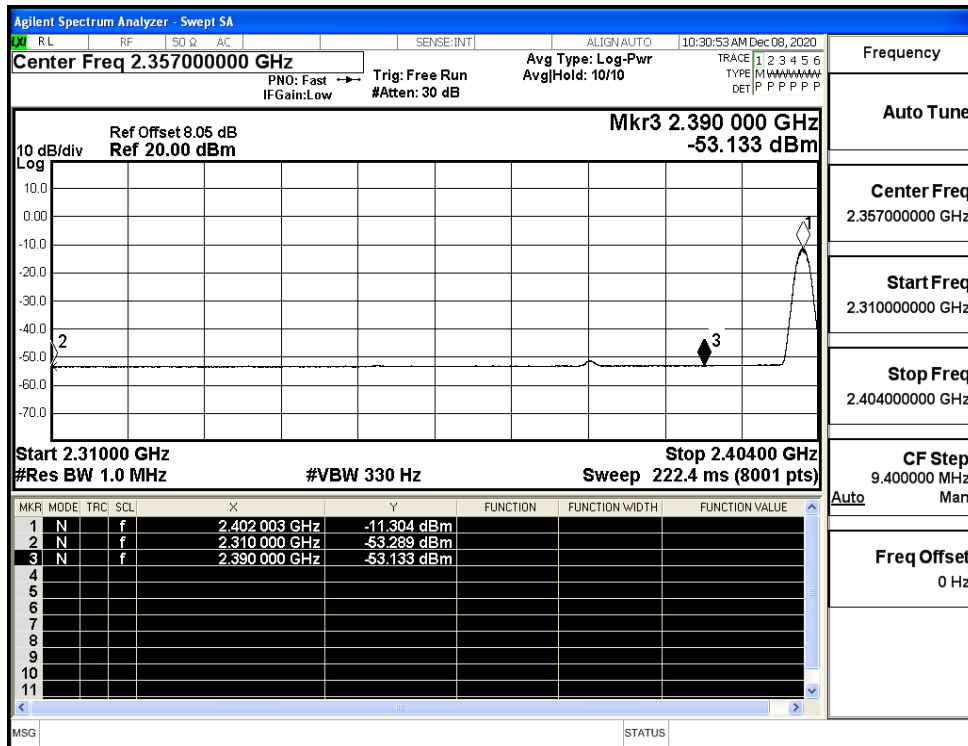
B.7 Restrict-band band-edge measurements

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	-43.30	4.0	0	55.93	PEAK	74	PASS
		Ant1	2310.0	-53.29	4.0	0	45.94	AV	54	PASS
		Ant1	2390.0	-43.25	4.0	0	55.98	PEAK	74	PASS
		Ant1	2390.0	-53.13	4.0	0	46.10	AV	54	PASS
	2480	Ant1	2483.5	-41.69	4.0	0	57.54	PEAK	74	PASS
		Ant1	2483.5	-52.55	4.0	0	46.68	AV	54	PASS
		Ant1	2500.0	-41.66	4.0	0	57.57	PEAK	74	PASS
		Ant1	2500.0	-52.37	4.0	0	46.86	AV	54	PASS

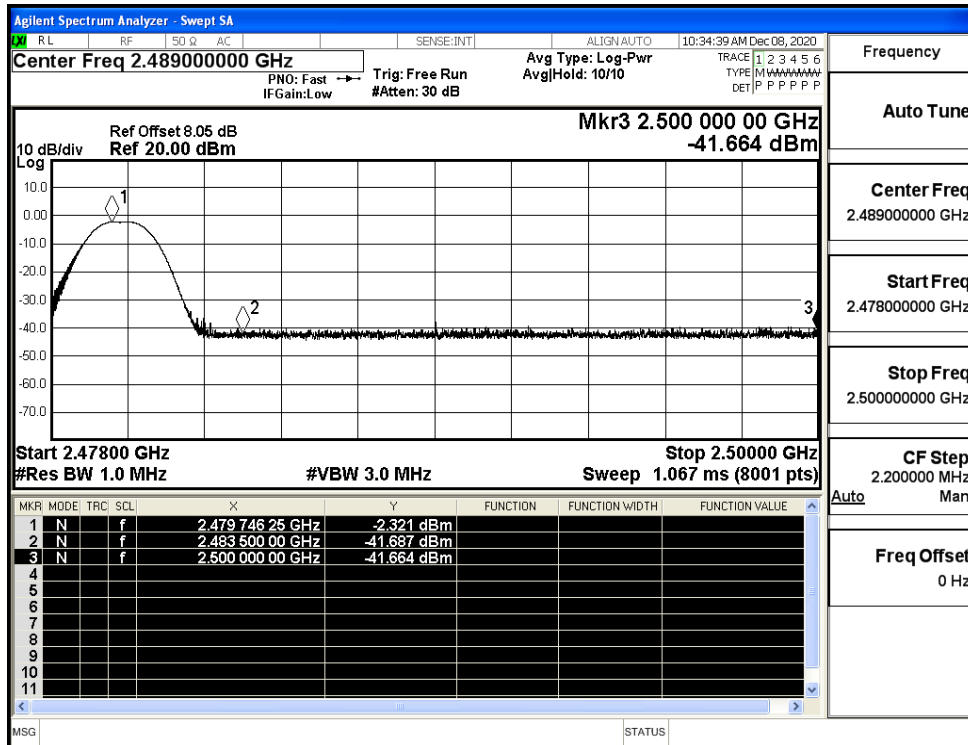
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

