

Appendix B

RF Test Data for BT LE V4.0 (Conducted Measurement)

Product Name: Tablet

Trade Mark: N/A

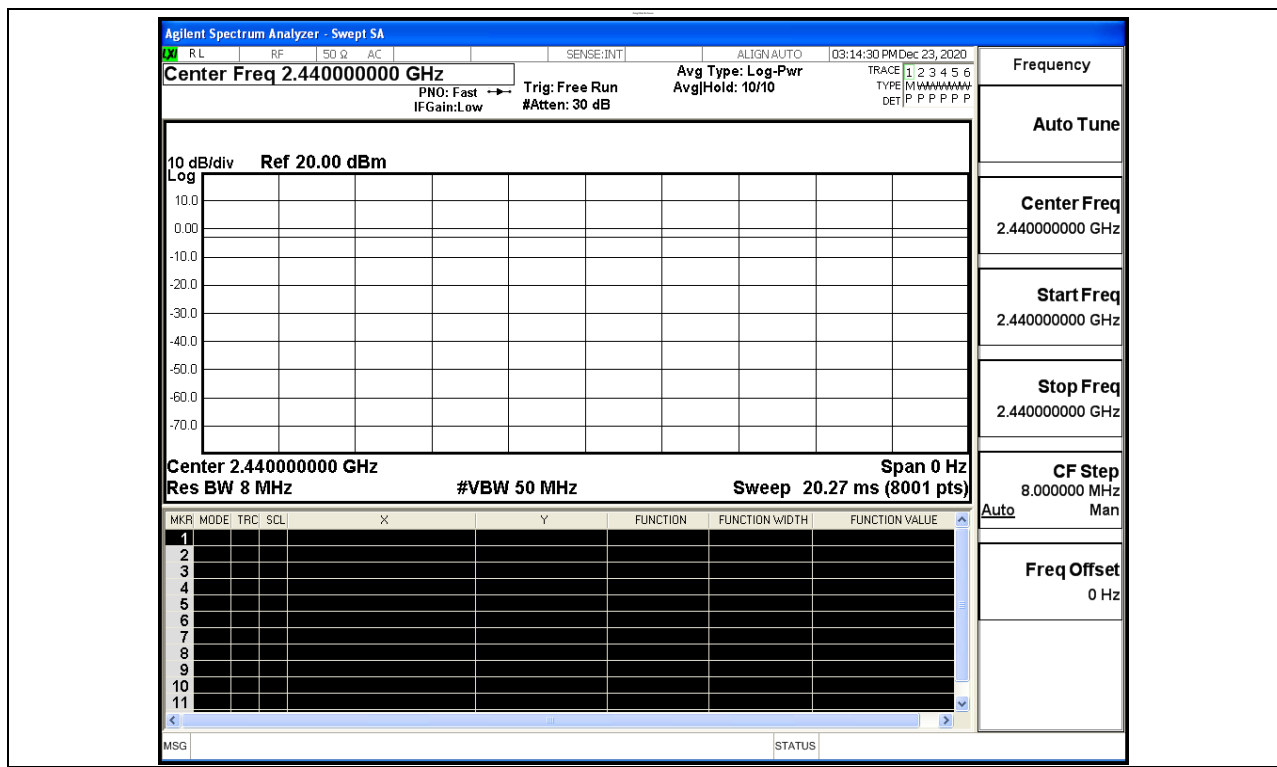
Test Model: 8LAB1

Environmental Conditions

Temperature:	22.3° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

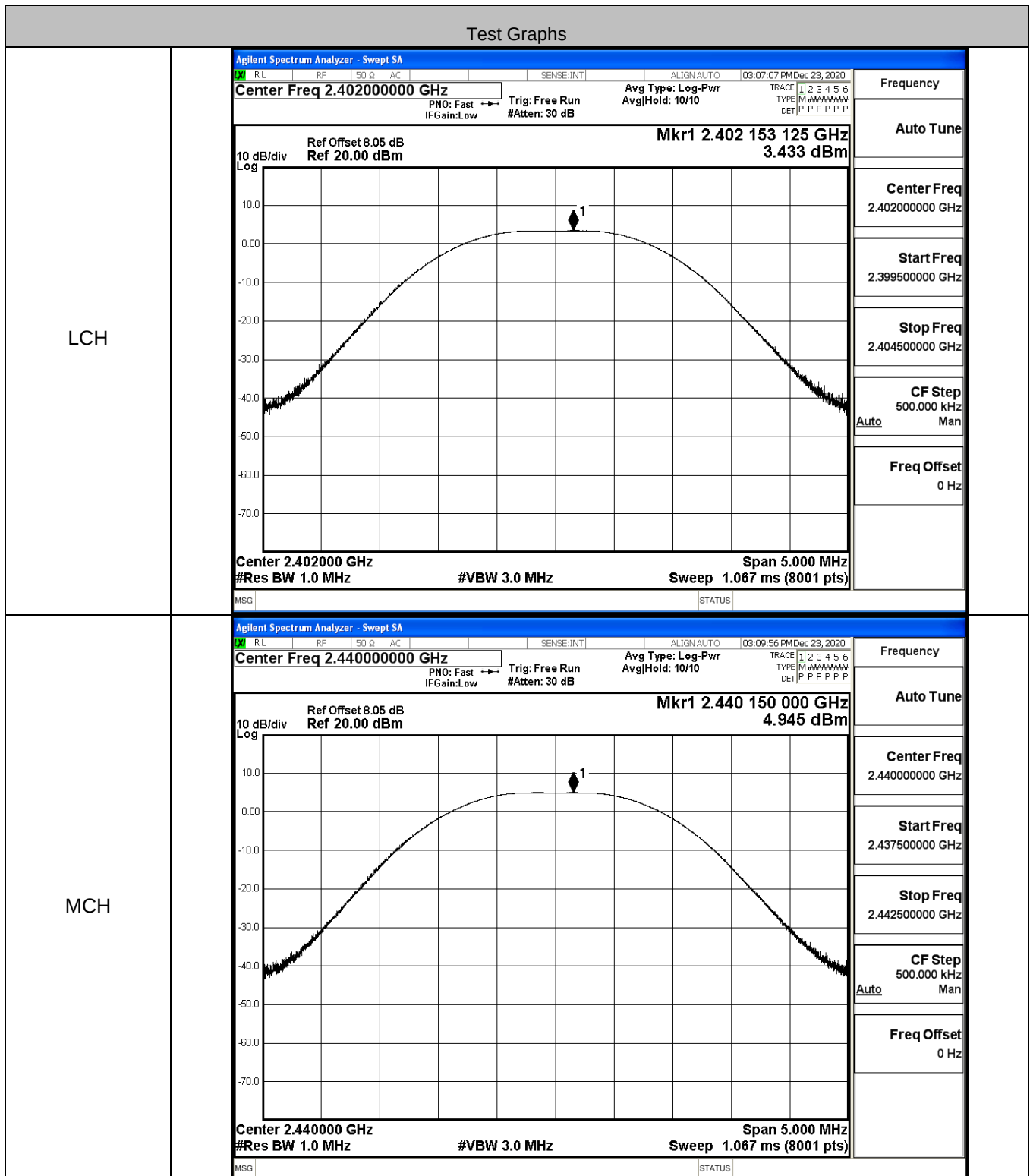
B.1 Duty Cycle

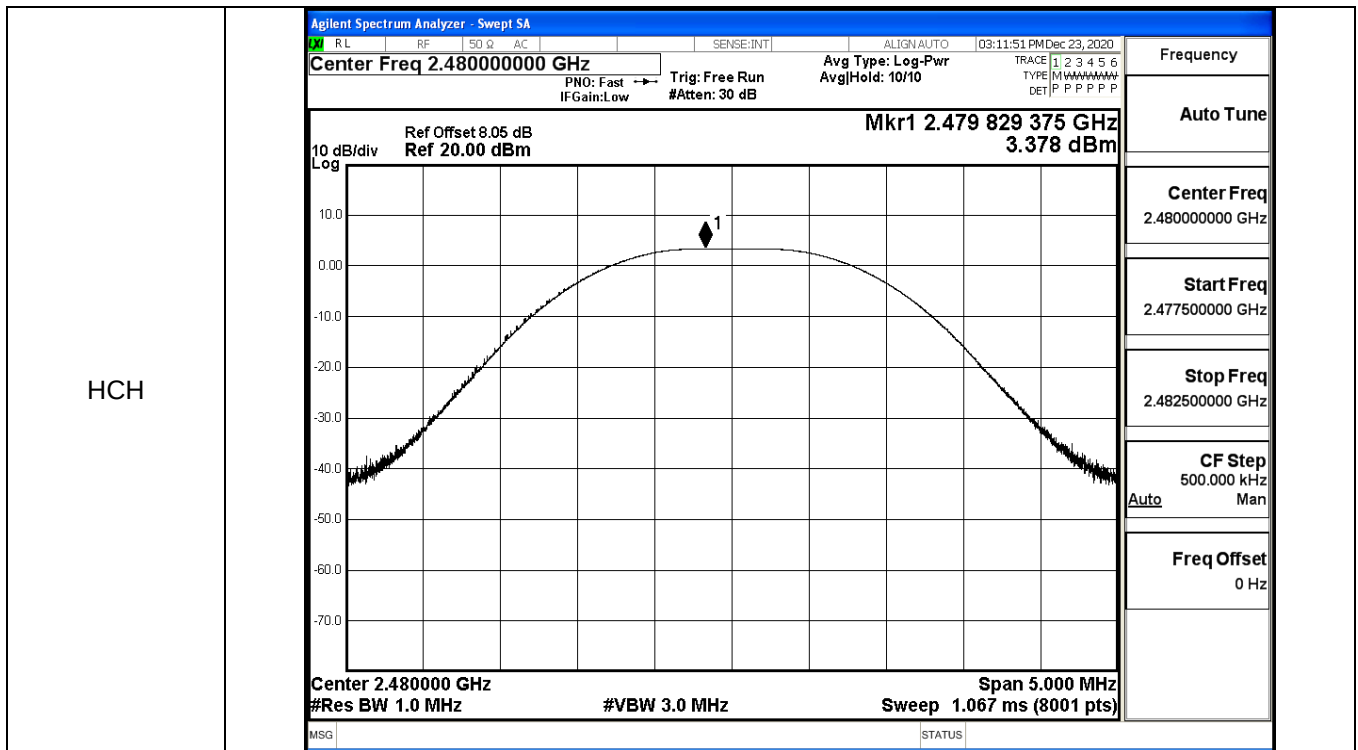
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.433	30	PASS
BT LE	MCH	4.945	30	PASS
BT LE	HCH	3.378	30	PASS



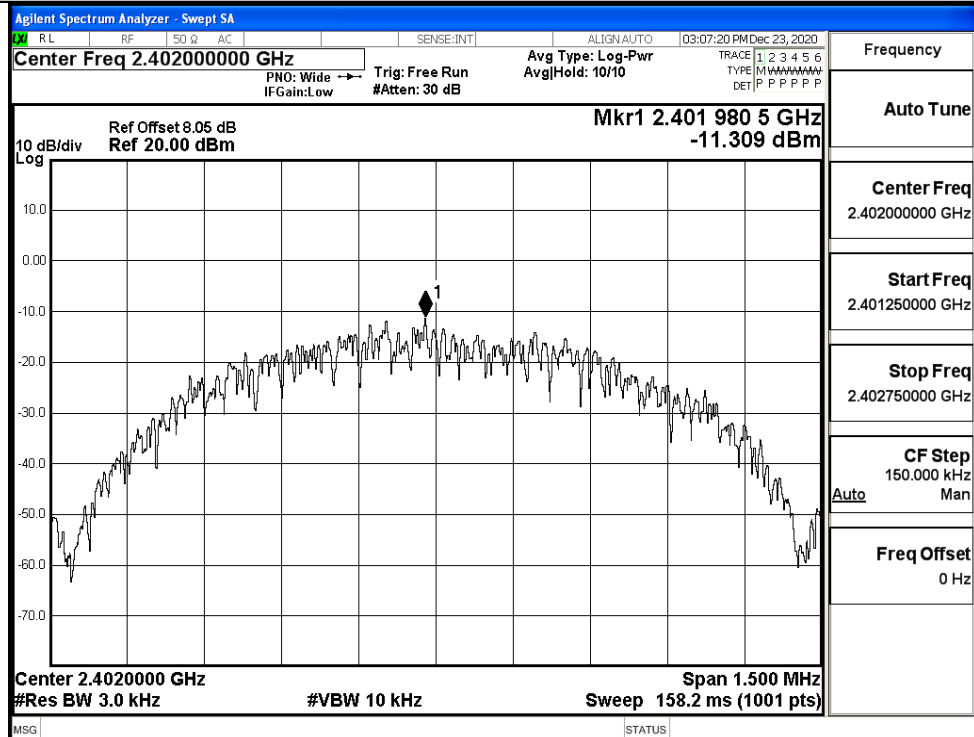


B.3 Maximum Power Spectral Density

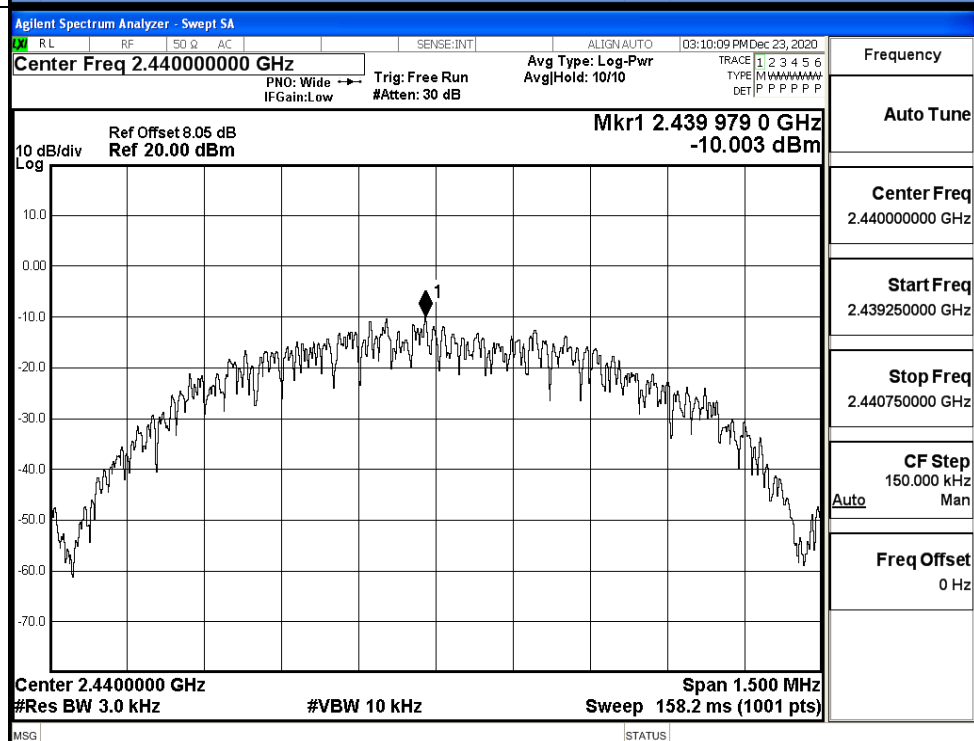
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.309	8	PASS
BT LE	MCH	-10.003	8	PASS
BT LE	HCH	-11.601	8	PASS

Test Graphs

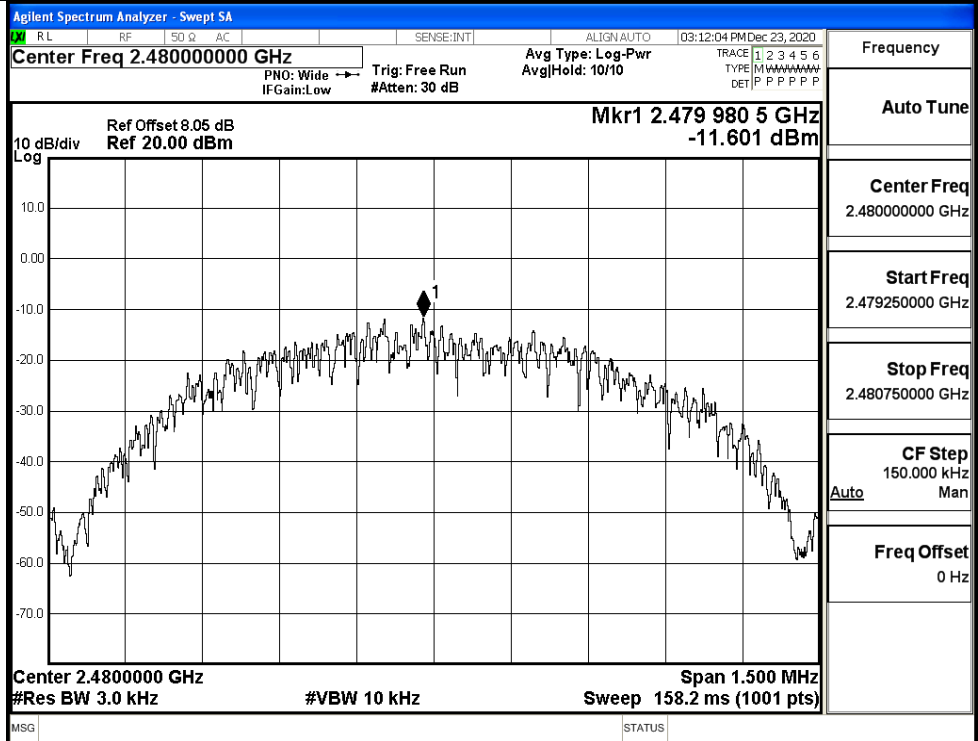
LCH



MCH



HCH

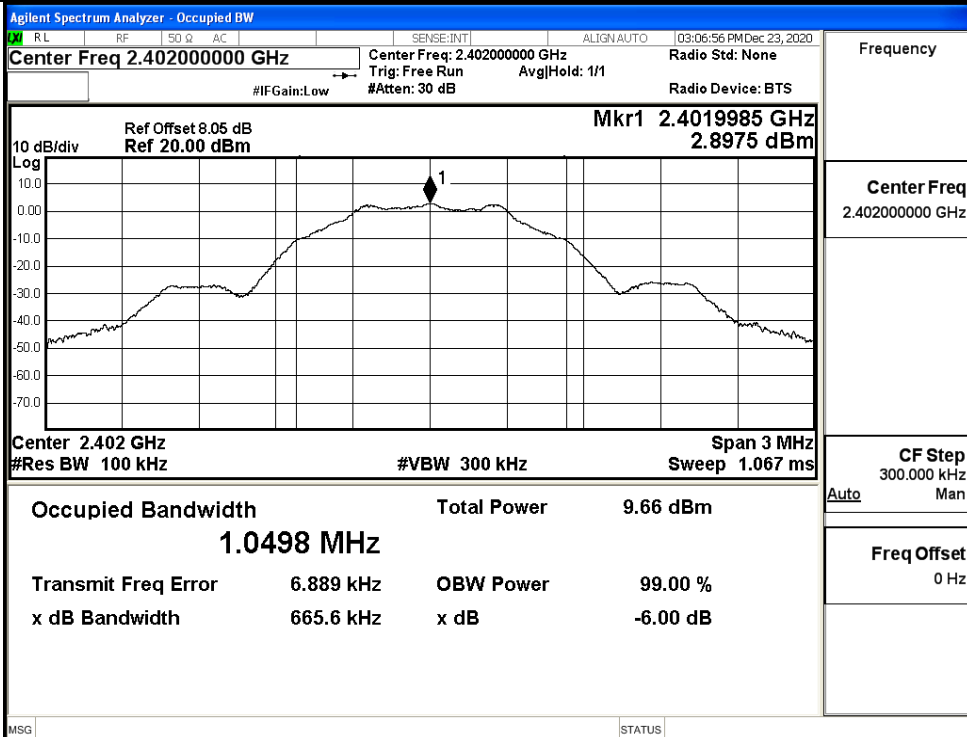


B.4 6dB Bandwidth

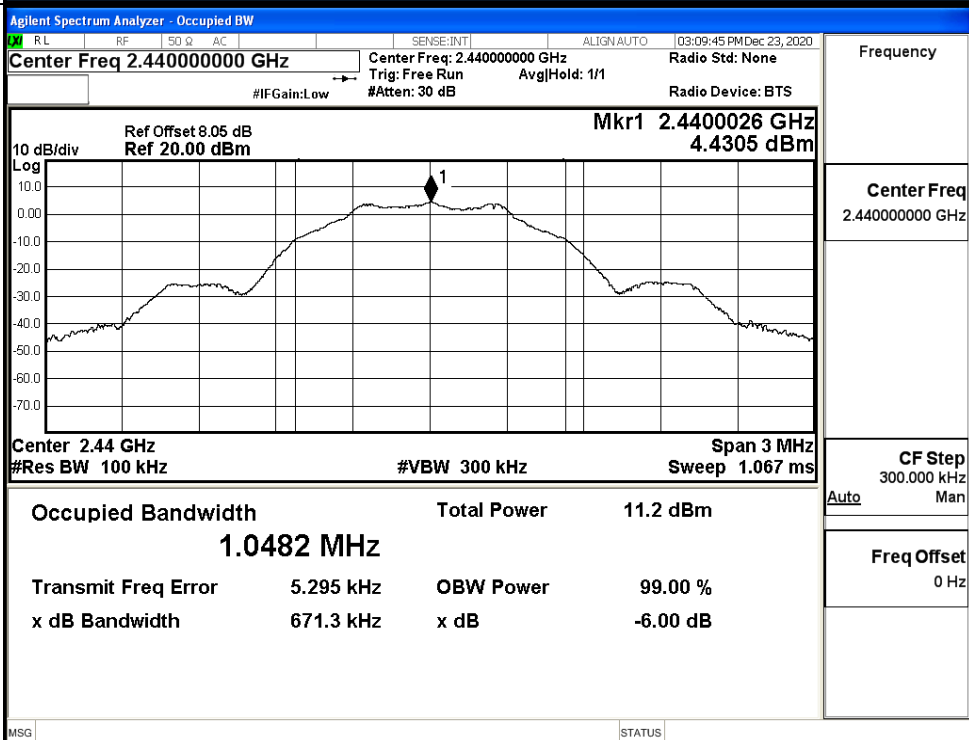
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6656	≥ 0.5	PASS
BT LE	MCH	0.6713	≥ 0.5	PASS
BT LE	HCH	0.6765	≥ 0.5	PASS

Test Graphs

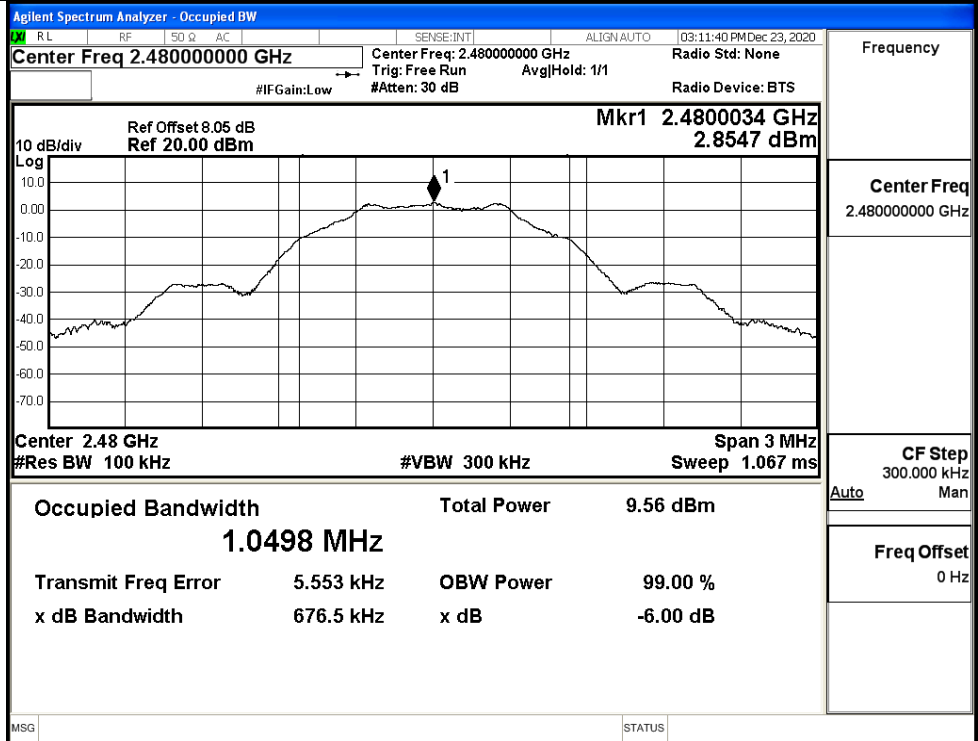
LCH



MCH



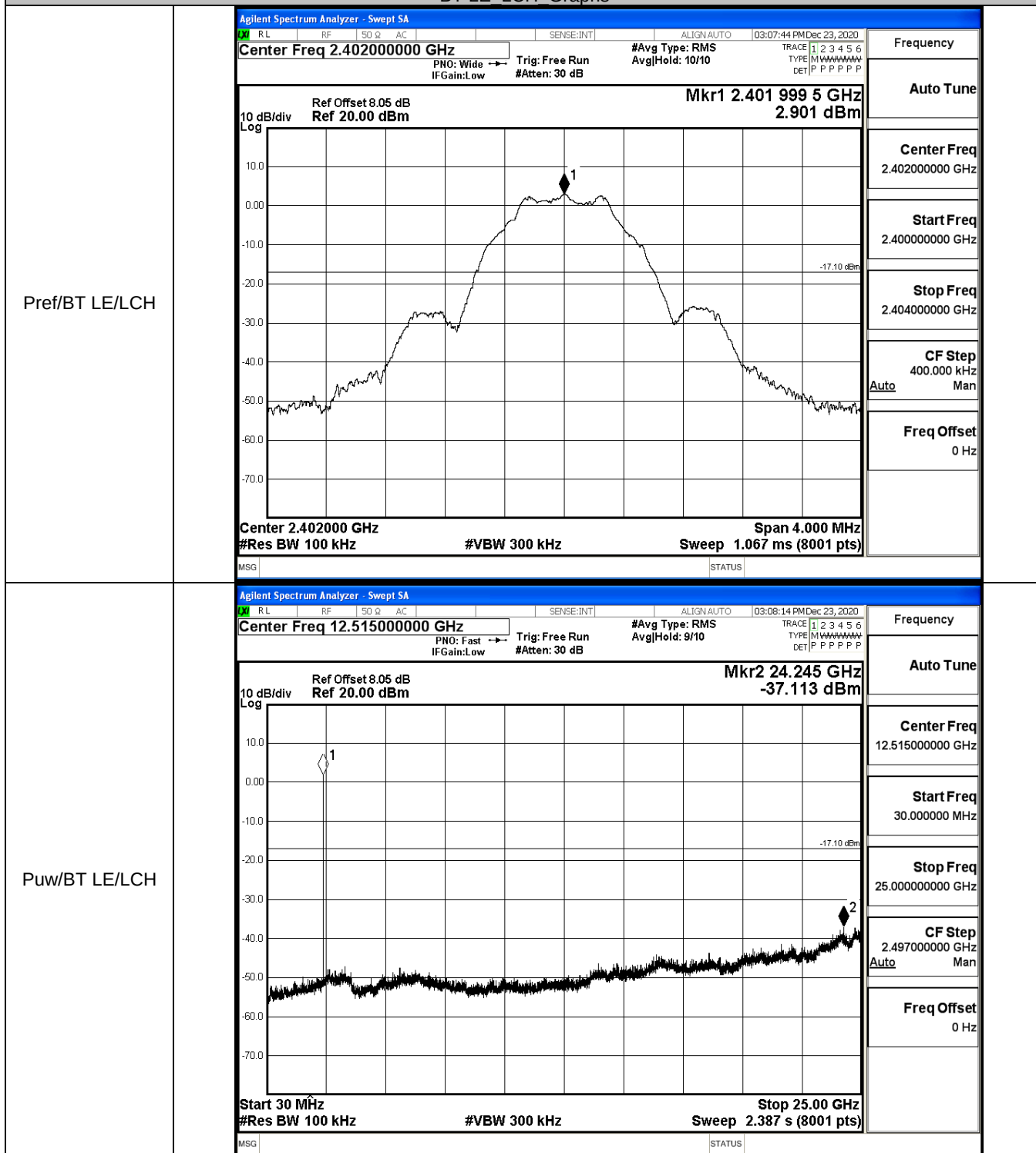
HCH



B.5 RF Conducted Spurious Emissions

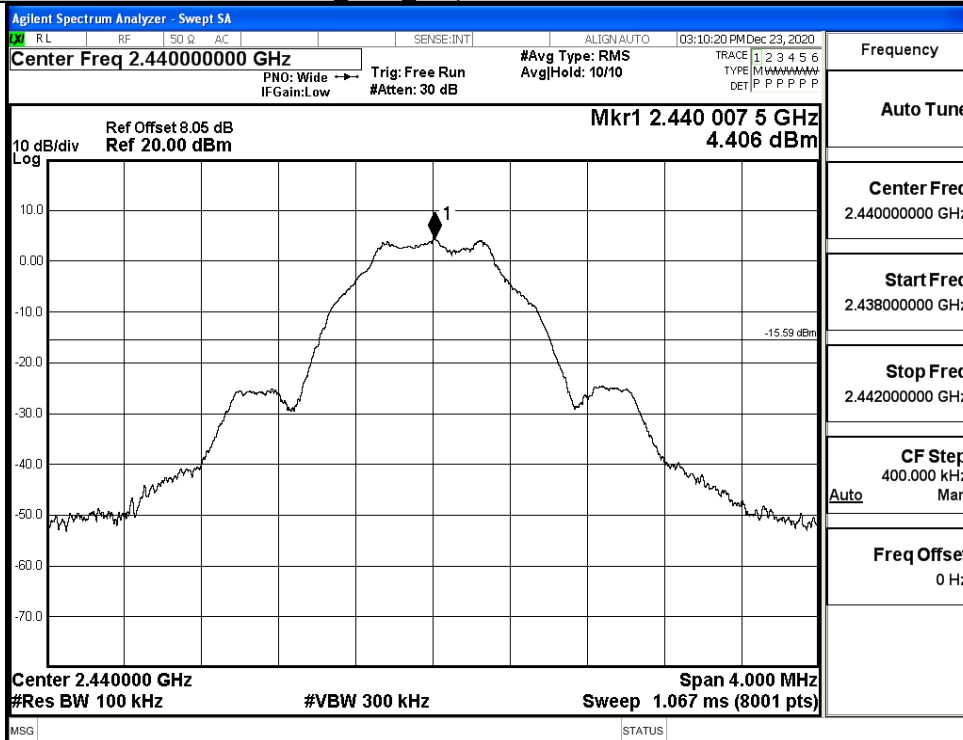
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.901	-37.113	-17.099	PASS
BT LE	MCH	4.406	-37.056	-15.594	PASS
BT LE	HCH	2.869	-36.161	-17.131	PASS

BT LE LCH Graphs

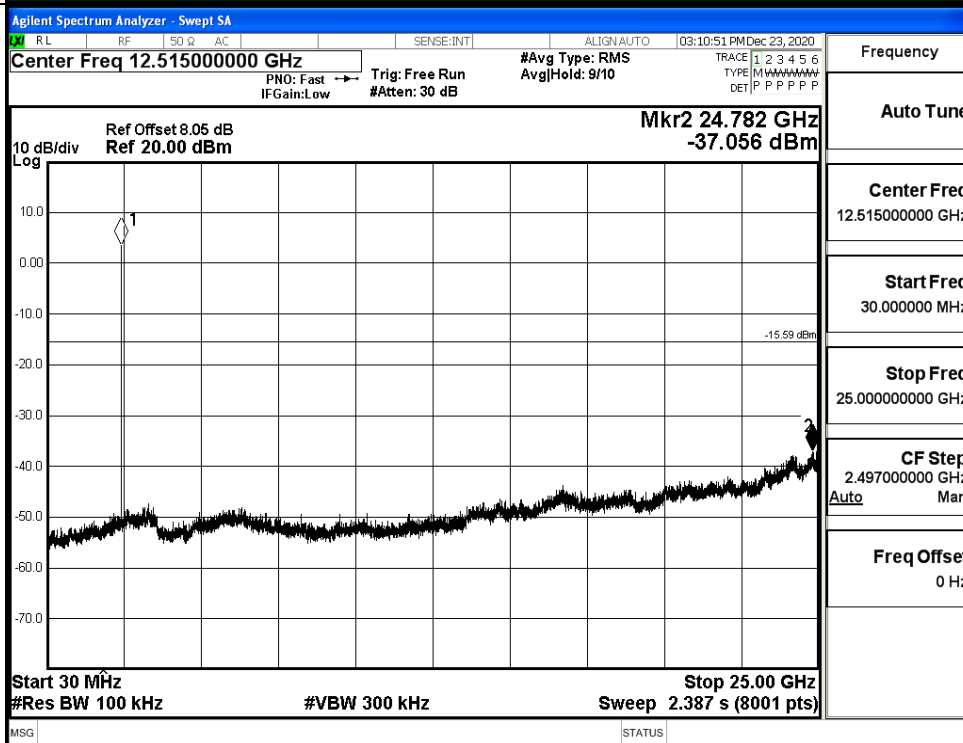


BT LE MCH Graphs

Pref/BT LE/MCH

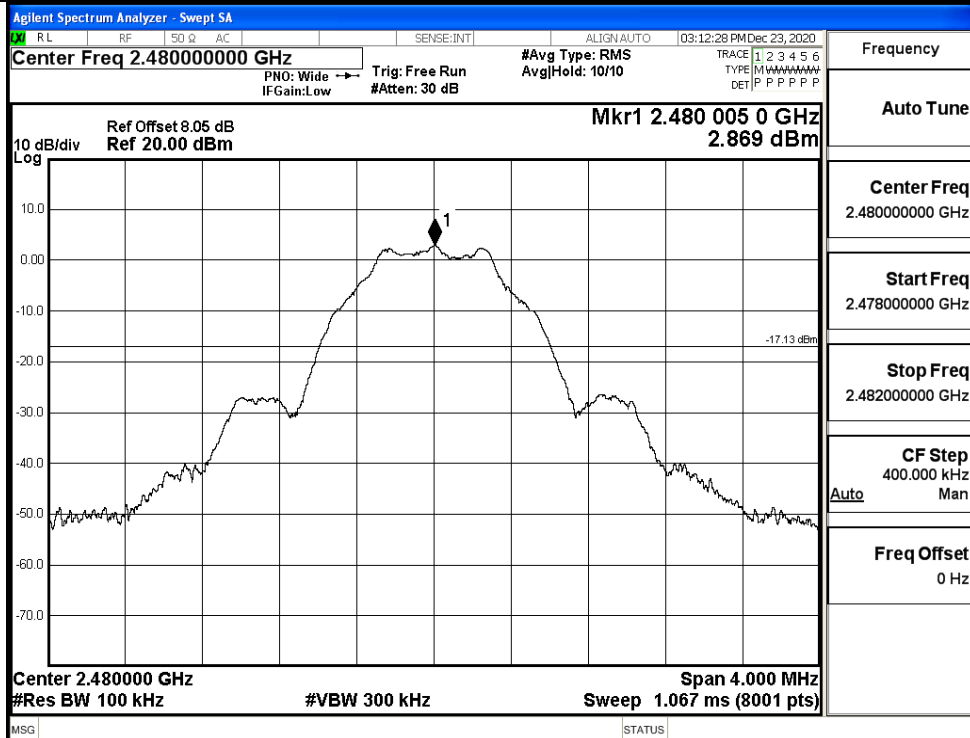


Puw/BT LE/MCH

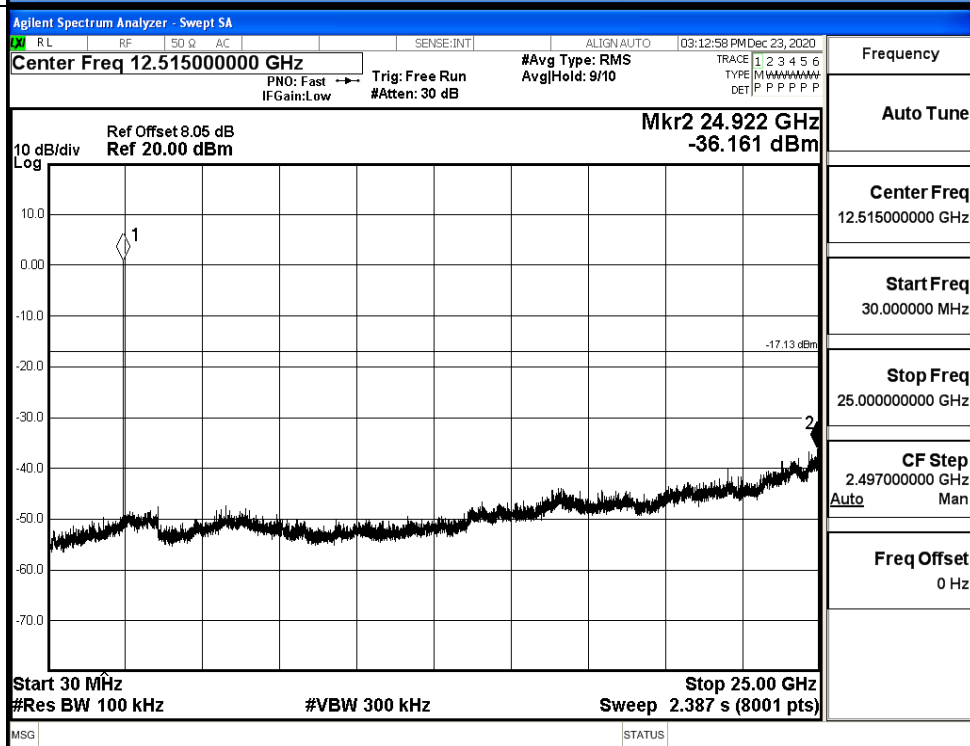


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

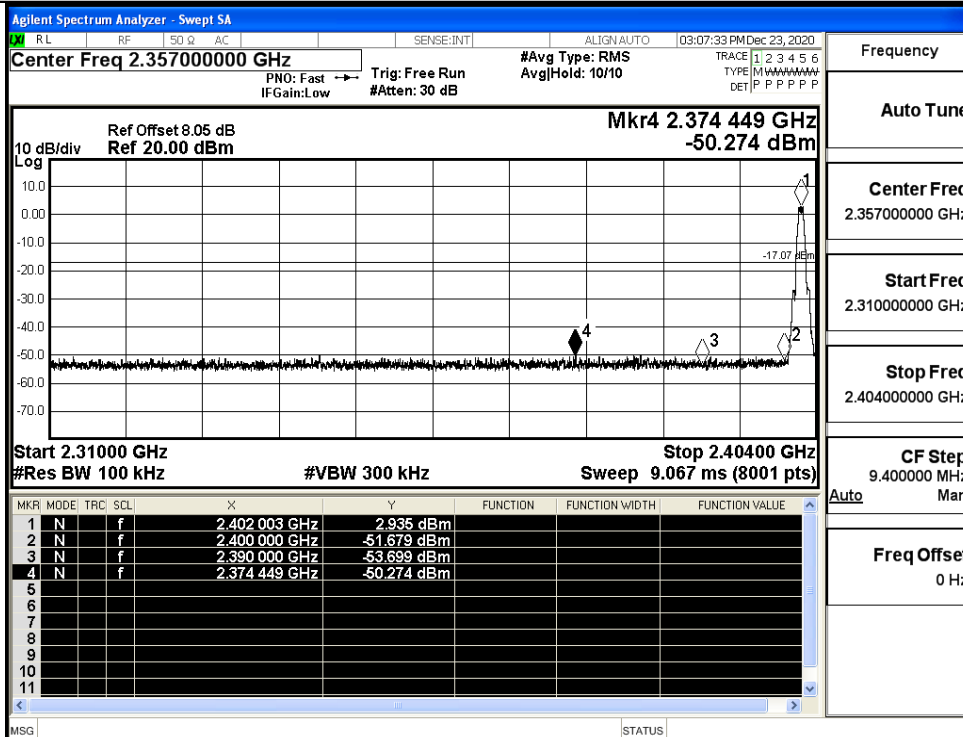


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.935	-50.274	-17.07	PASS
BT LE	HCH	2.676	-49.809	-17.32	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq
2.357000000 GHz

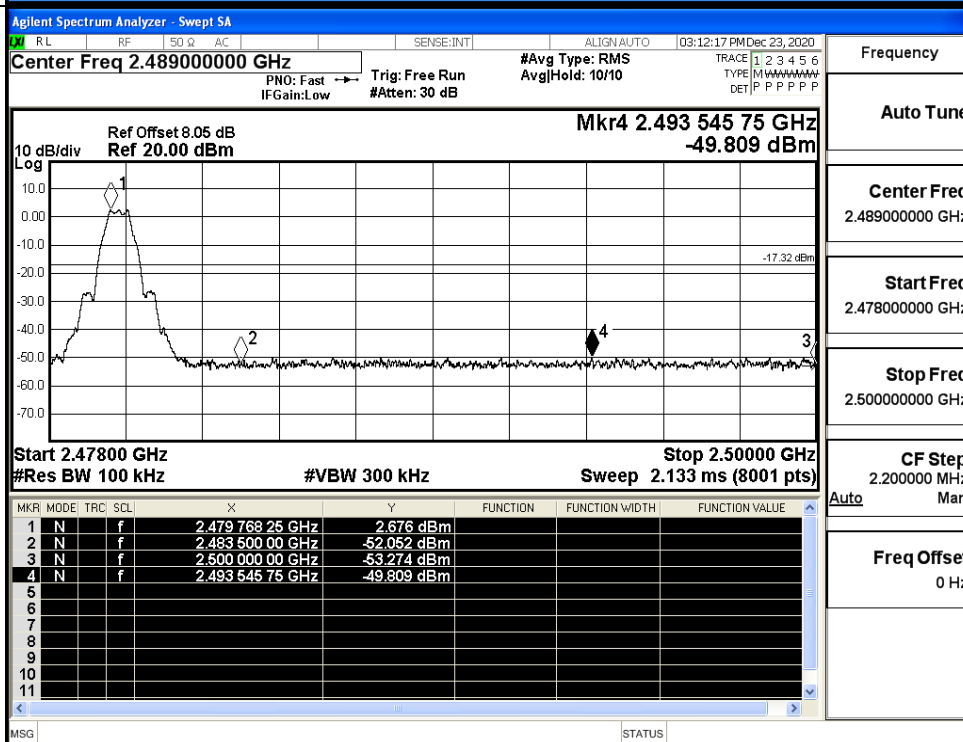
Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz

Freq Offset
0 Hz

HCH



Frequency

Auto Tune

Center Freq
2.489000000 GHz

Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

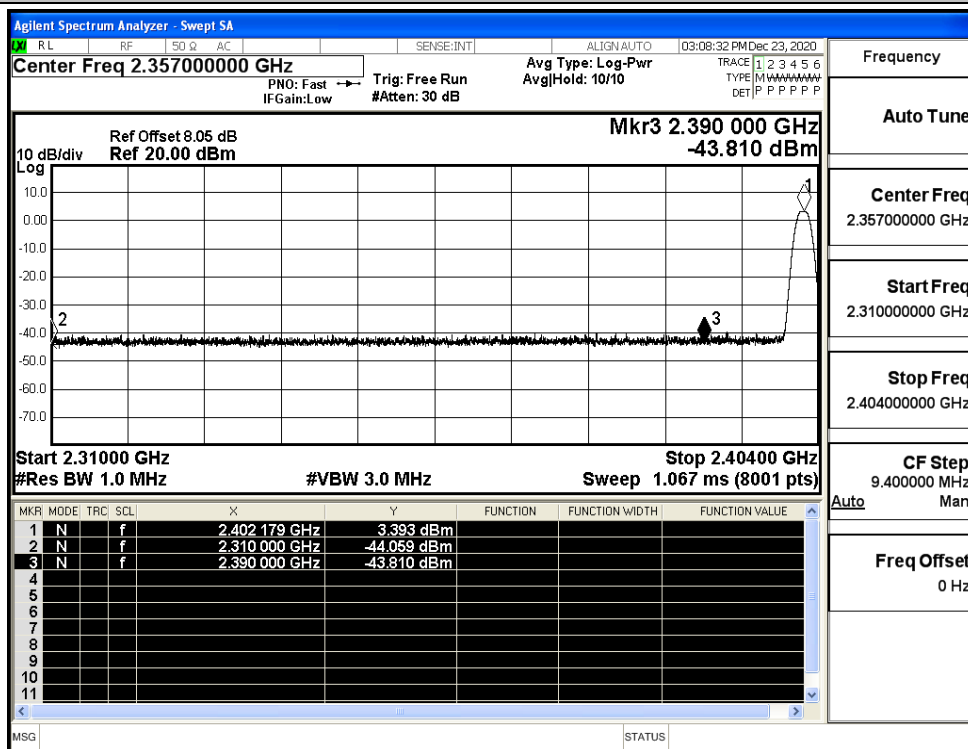
CF Step
2.200000 MHz

Freq Offset
0 Hz

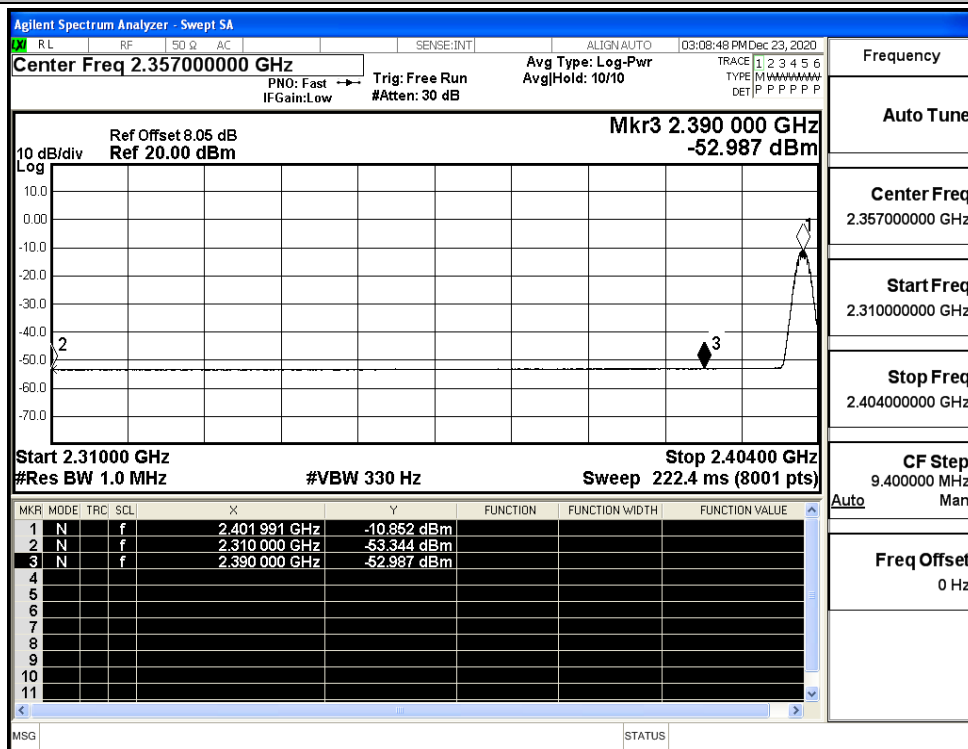
B.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BT LE	2402	2310.0	-44.06	2.0	0	53.17	PEAK	74	PASS
		2310.0	-53.34	2.0	0	43.89	AV	54	PASS
		2390.0	-43.81	2.0	0	53.42	PEAK	74	PASS
		2390.0	-52.99	2.0	0	44.24	AV	54	PASS
	2480	2483.5	-42.02	2.0	0	55.21	PEAK	74	PASS
		2483.5	-52.49	2.0	0	44.74	AV	54	PASS
		2500.0	-42.35	2.0	0	54.88	PEAK	74	PASS
		2500.0	-52.45	2.0	0	44.78	AV	54	PASS

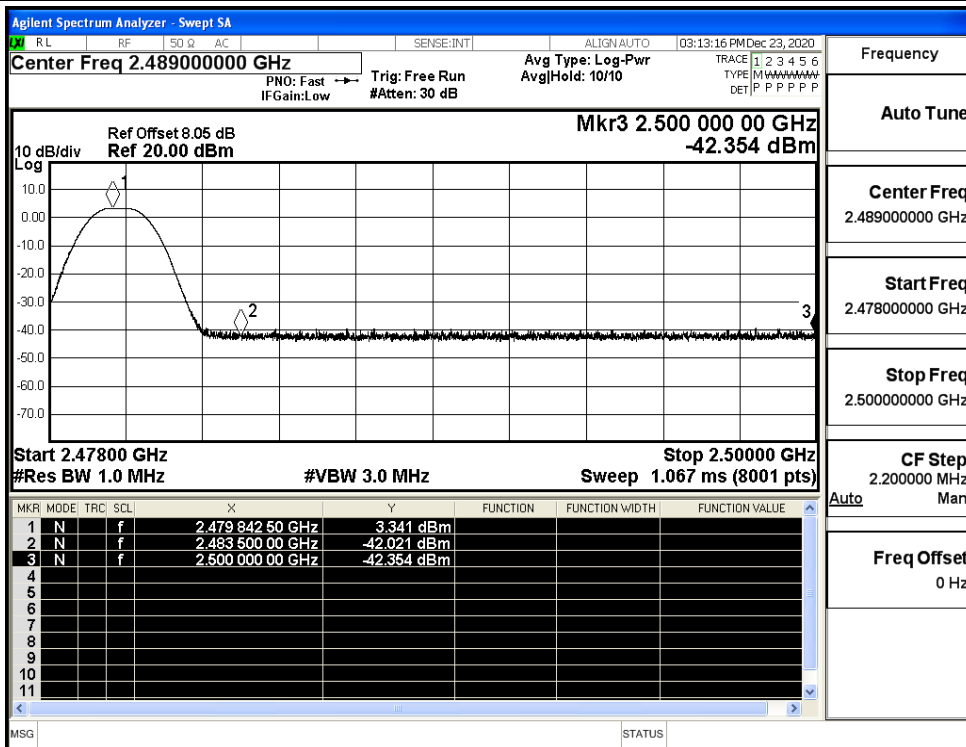
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

