

Appendix B

RF Test Data for BT V4.1(BLE) (Conducted Measurement)

Product Name: Post Kiosk

Trade Mark: N/A

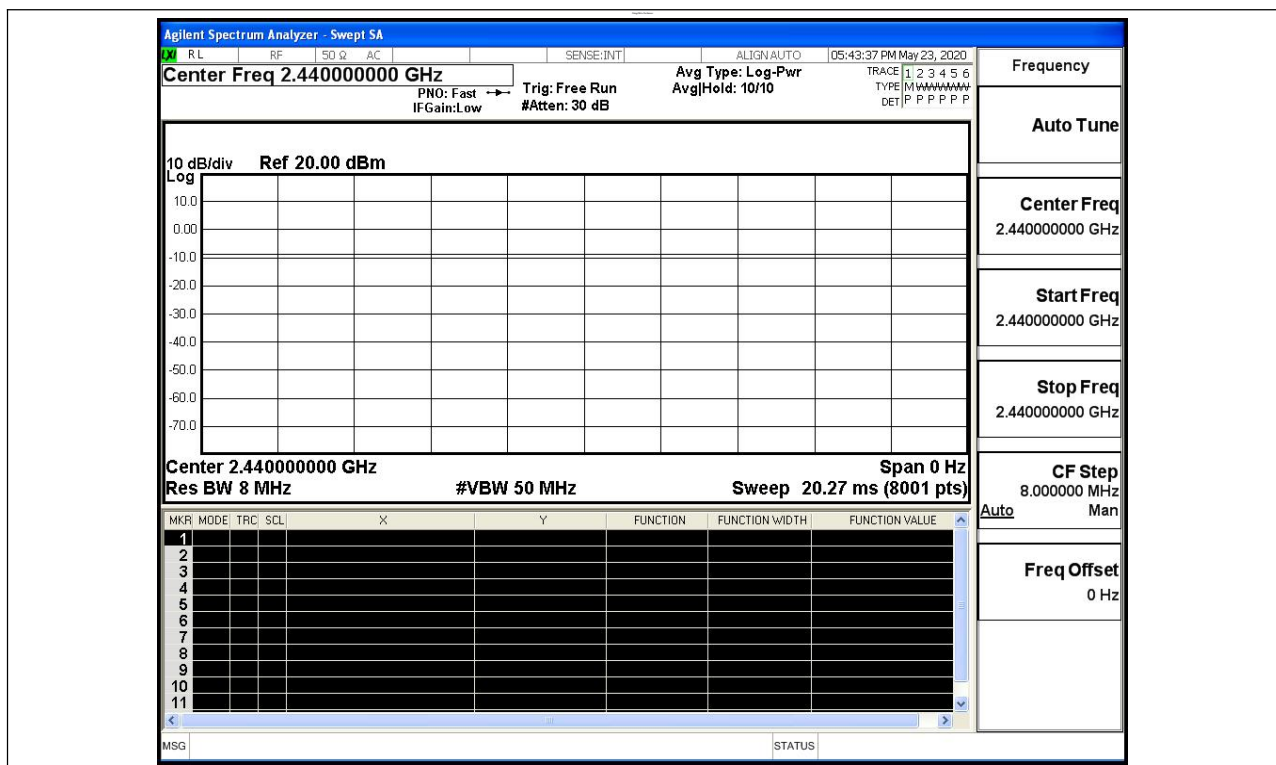
Test Model: REEF-US-LKS8345A

Environmental Conditions

Temperature:	23.3 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	SCOUT WU
Supervised by:	Li Huan

B.1 Duty Cycle

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

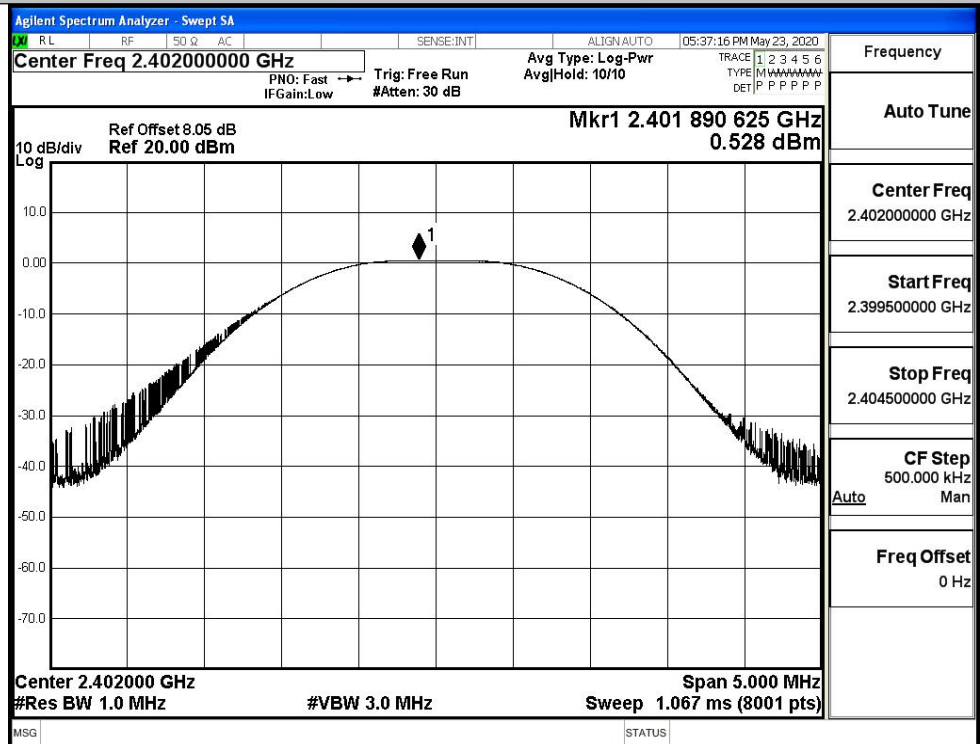


B.2 Maximum Conducted Peak Output Power

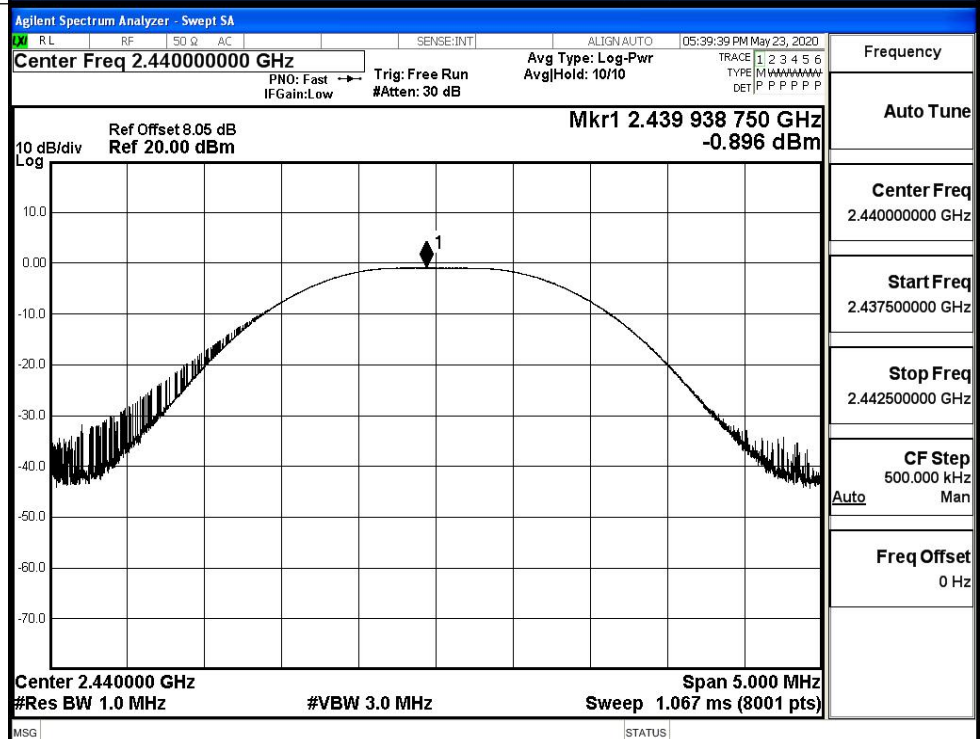
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.528	30	PASS
BT LE	MCH	-0.896	30	PASS
BT LE	HCH	-2.57	30	PASS

Test Graphs

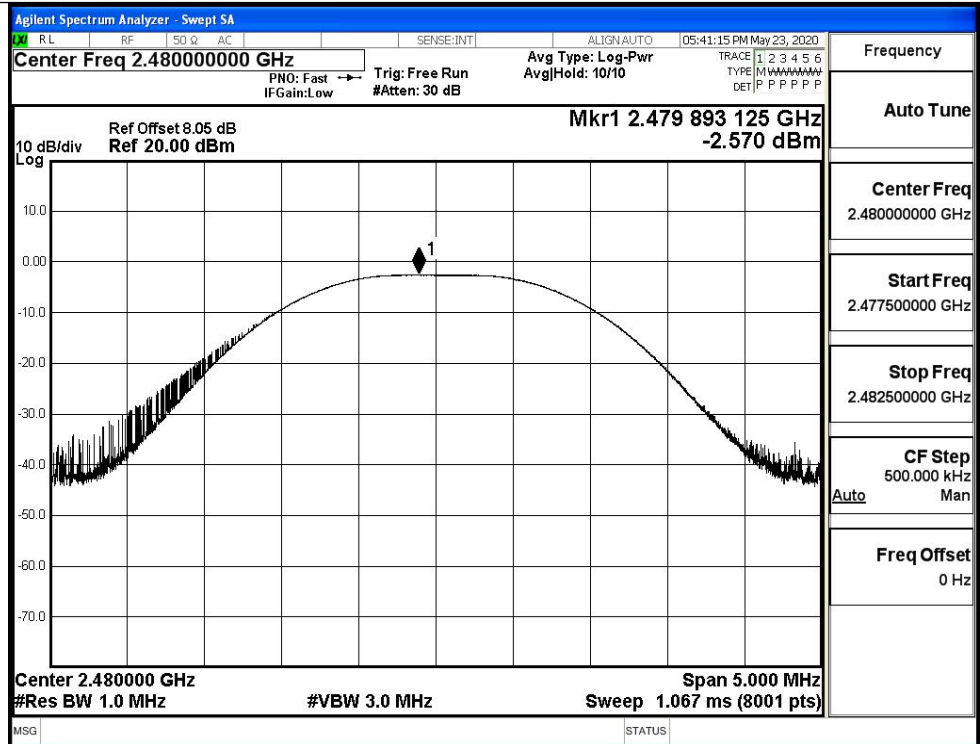
LCH



MCH



HCH

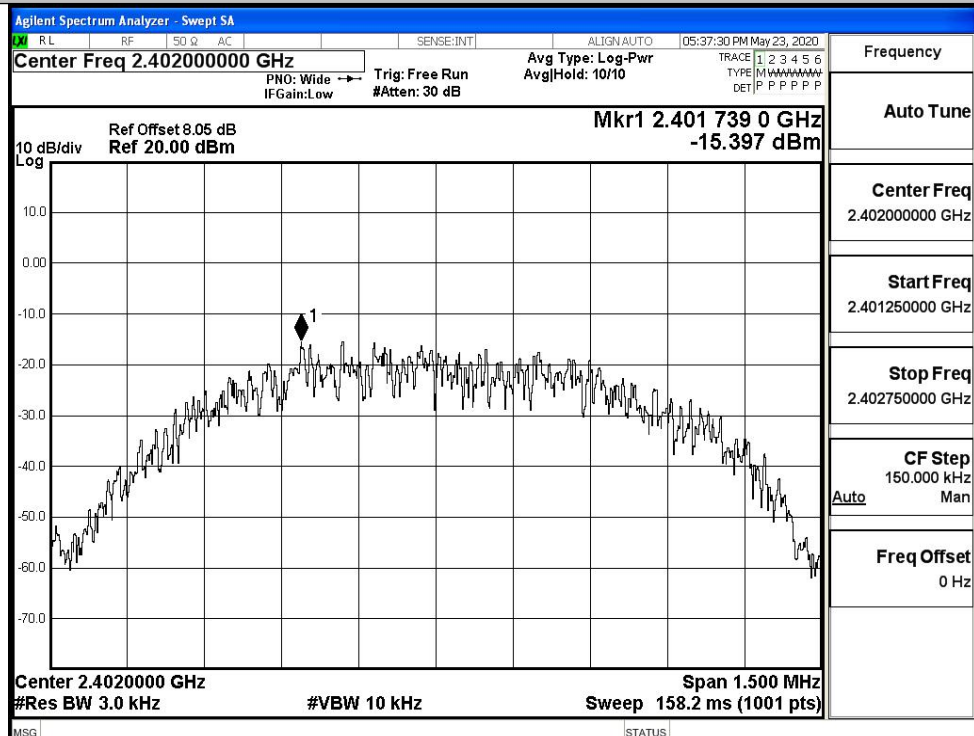


B.3 Maximum Power Spectral Density

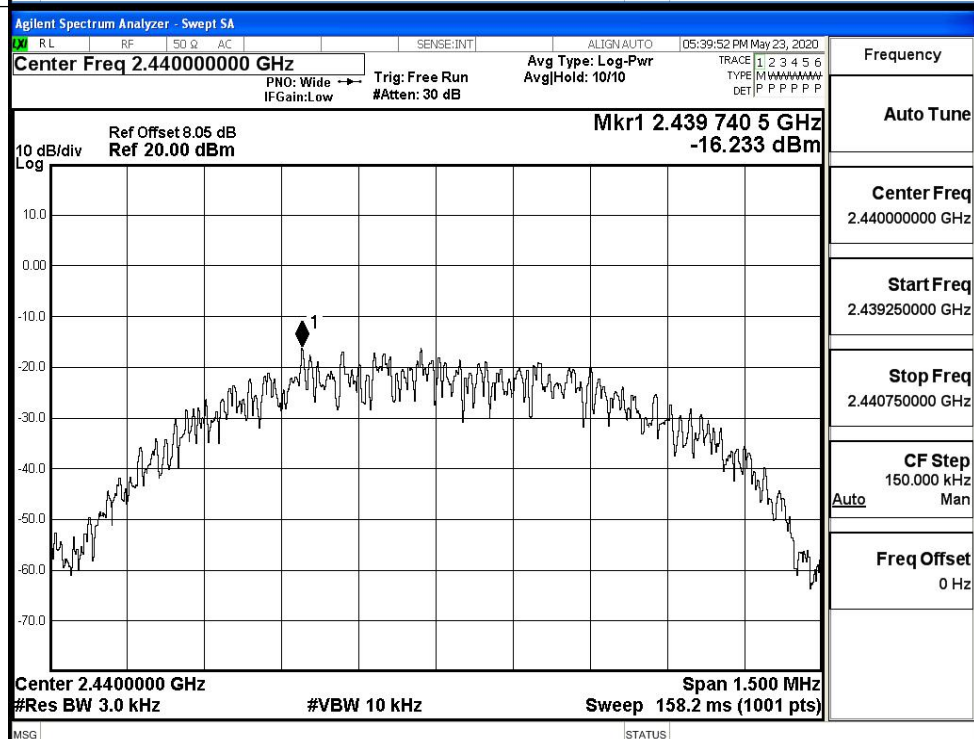
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.397	8	PASS
BT LE	MCH	-16.233	8	PASS
BT LE	HCH	-17.841	8	PASS

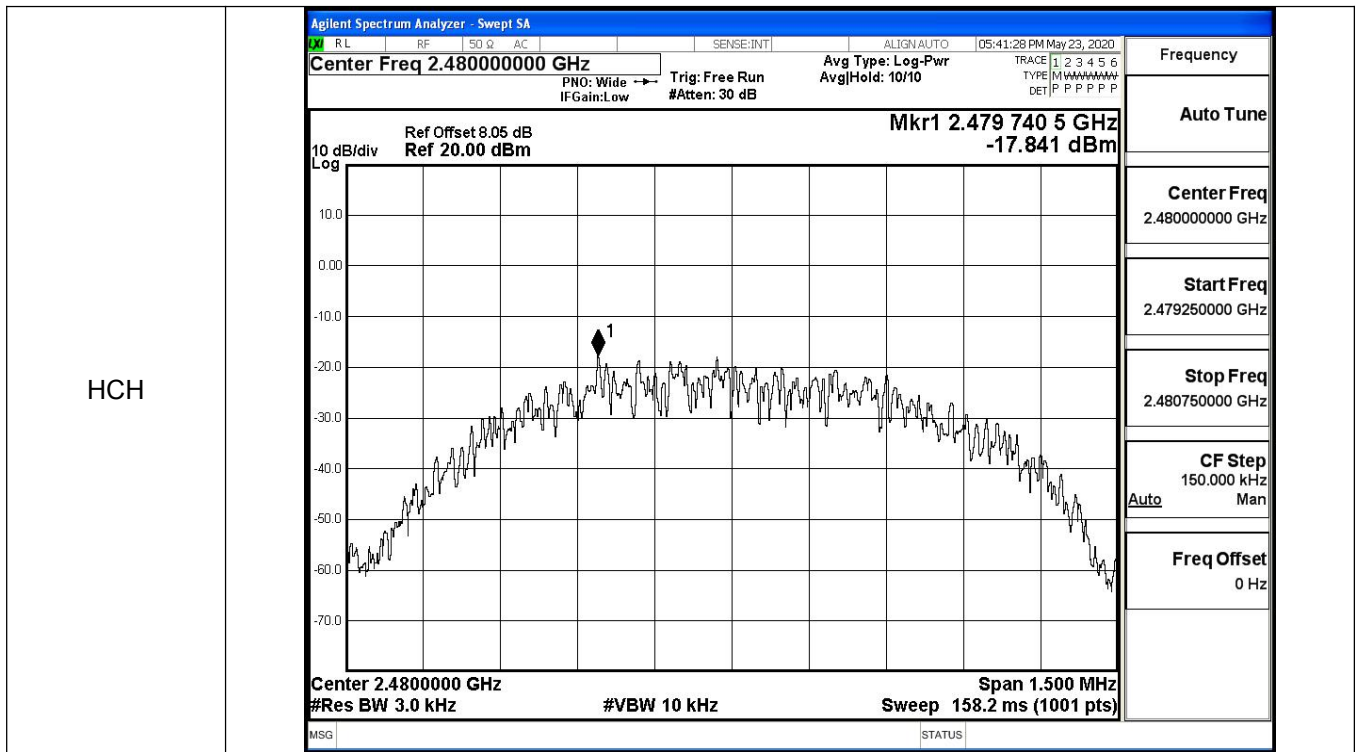
Test Graphs

LCH



MCH



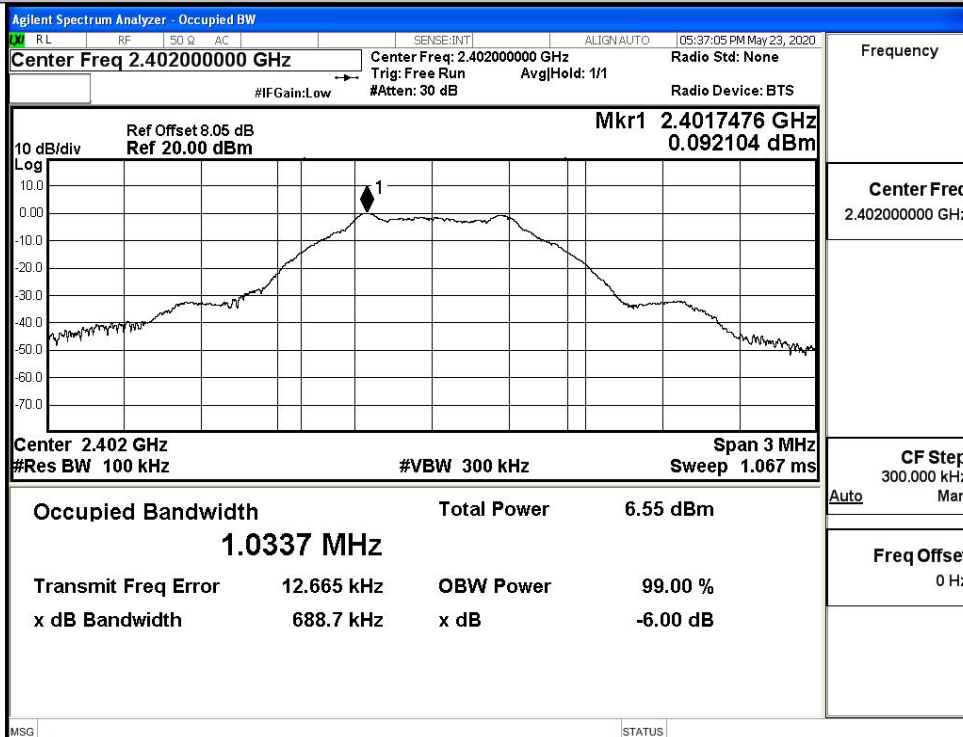


B.4 6dB Bandwidth

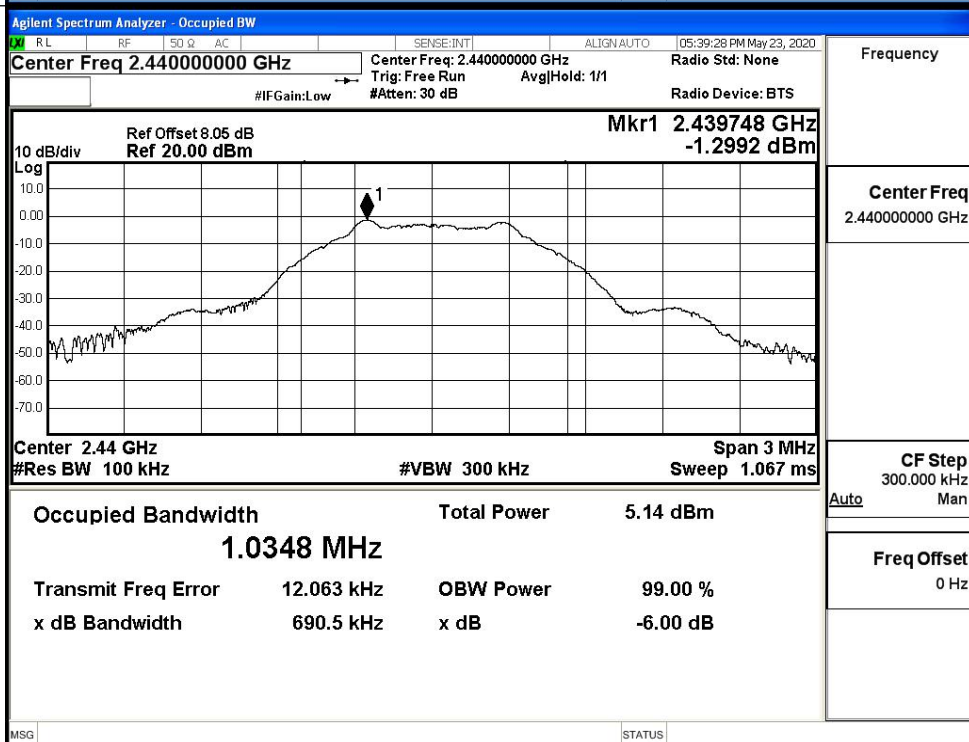
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6887	≥ 0.5	PASS
BT LE	MCH	0.6905	≥ 0.5	PASS
BT LE	HCH	0.6892	≥ 0.5	PASS

Test Graphs

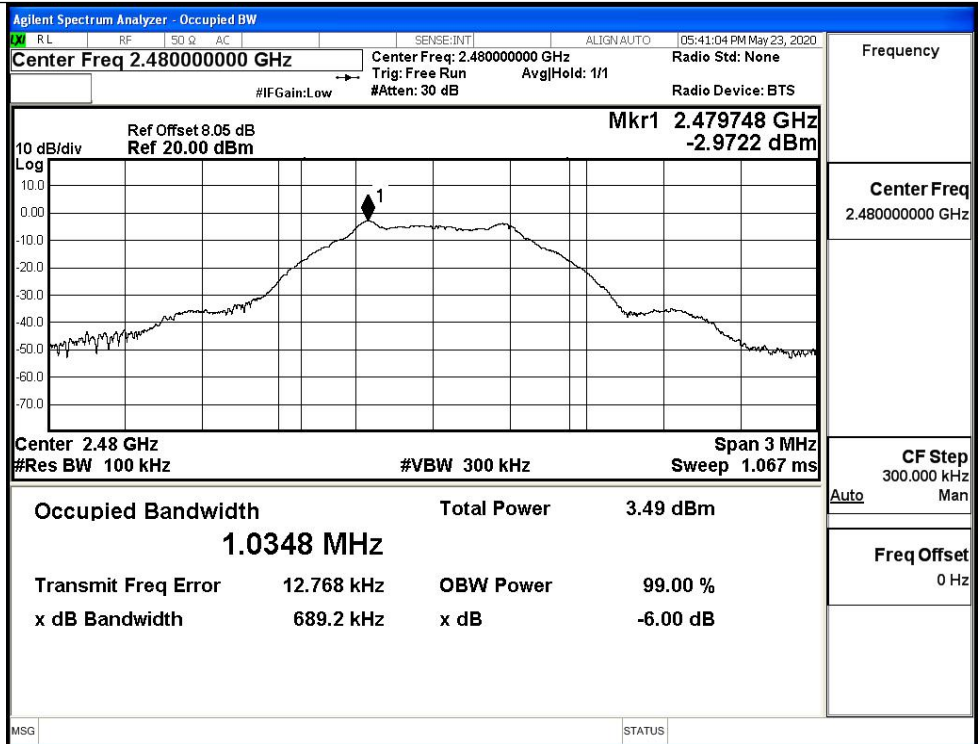
LCH



MCH



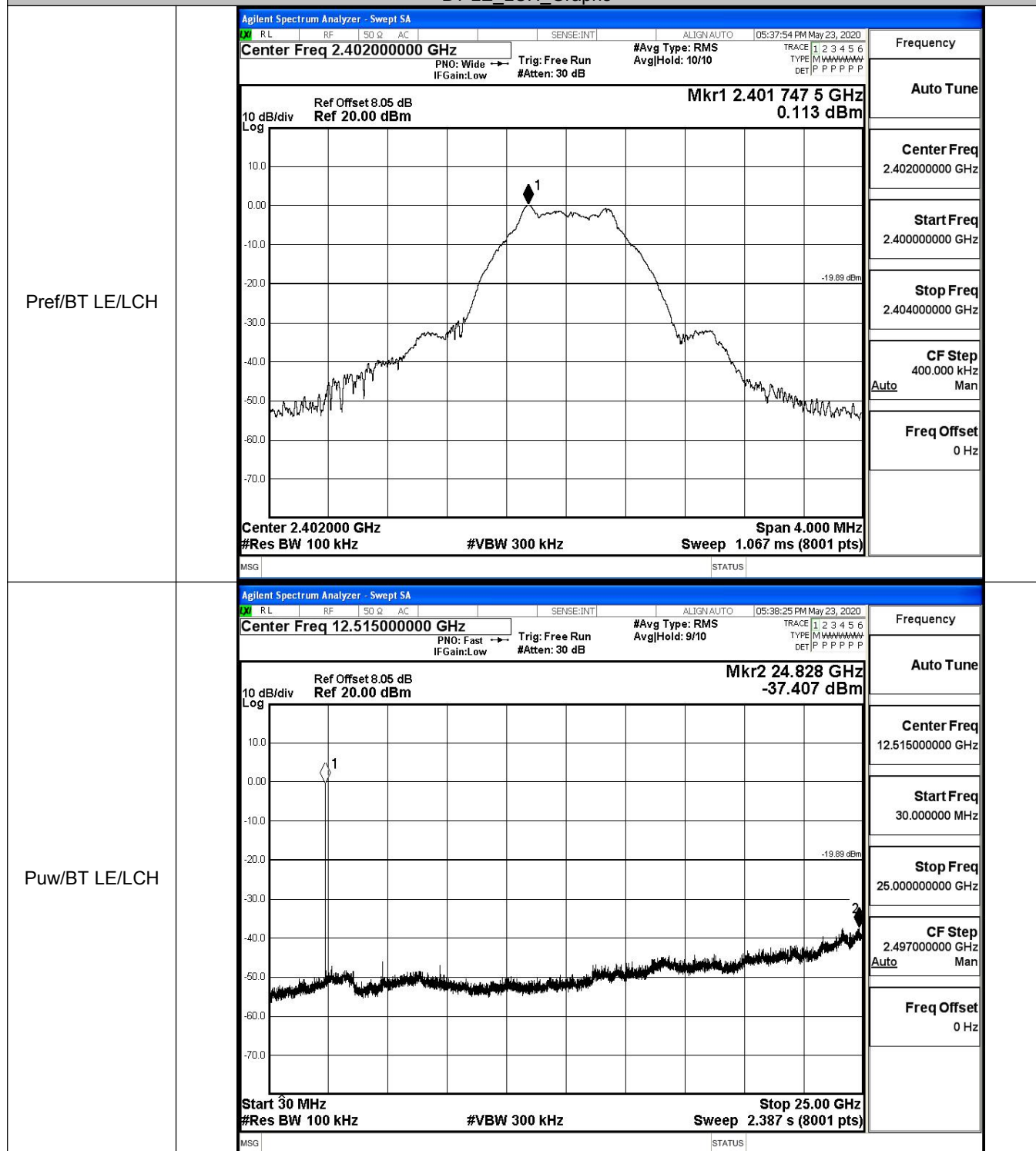
HCH



B.5 RF Conducted Spurious Emissions

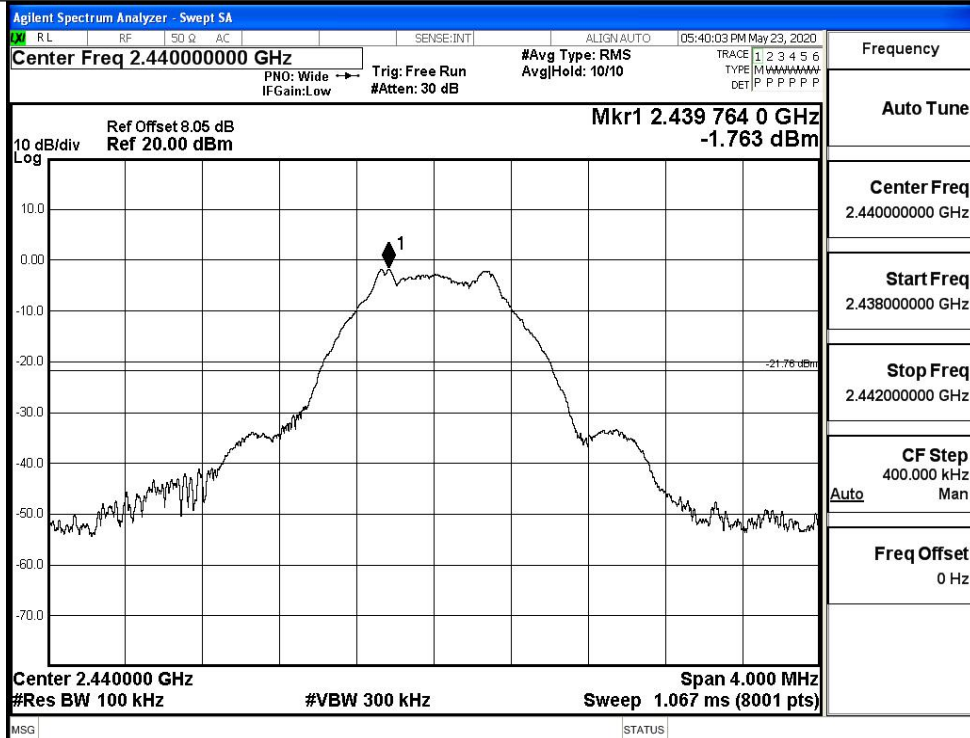
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.113	-37.407	-19.887	PASS
BT LE	MCH	-1.763	-37.057	-21.763	PASS
BT LE	HCH	-2.967	-36.702	-22.967	PASS

BT LE_LCH_Graphs

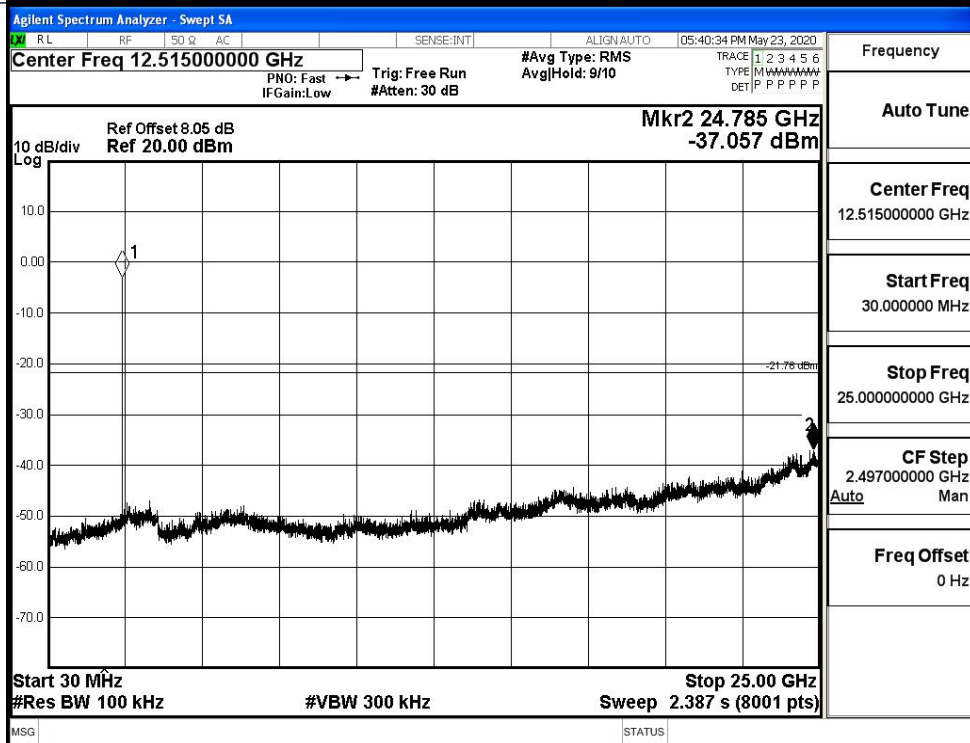


BT LE MCH Graphs

Pref/BT LE/MCH

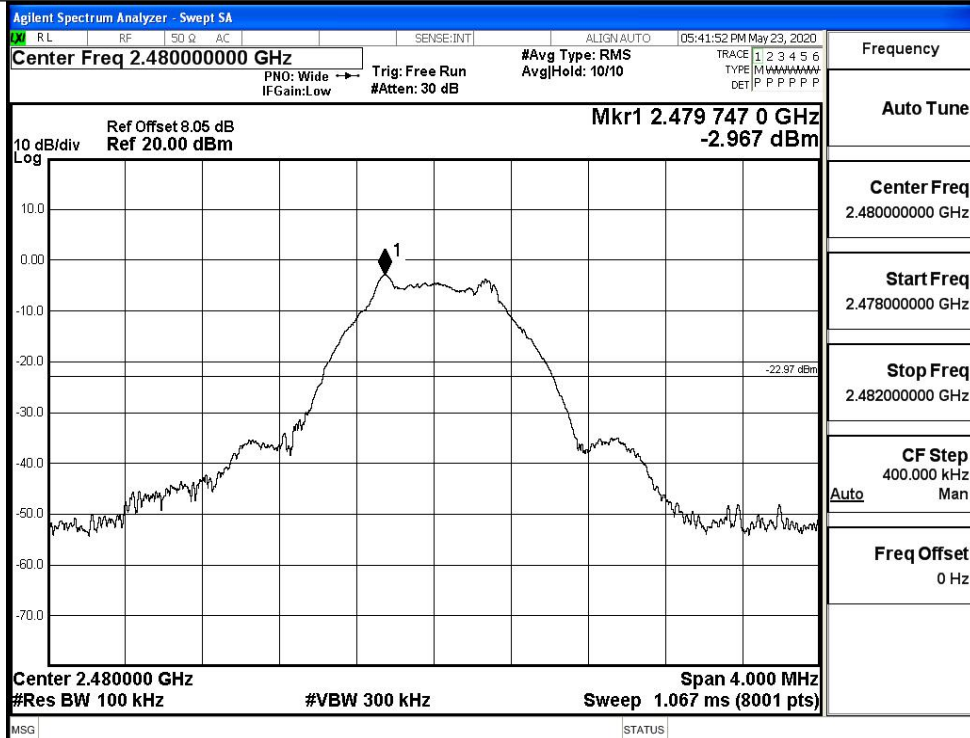


Puw/BT LE/MCH

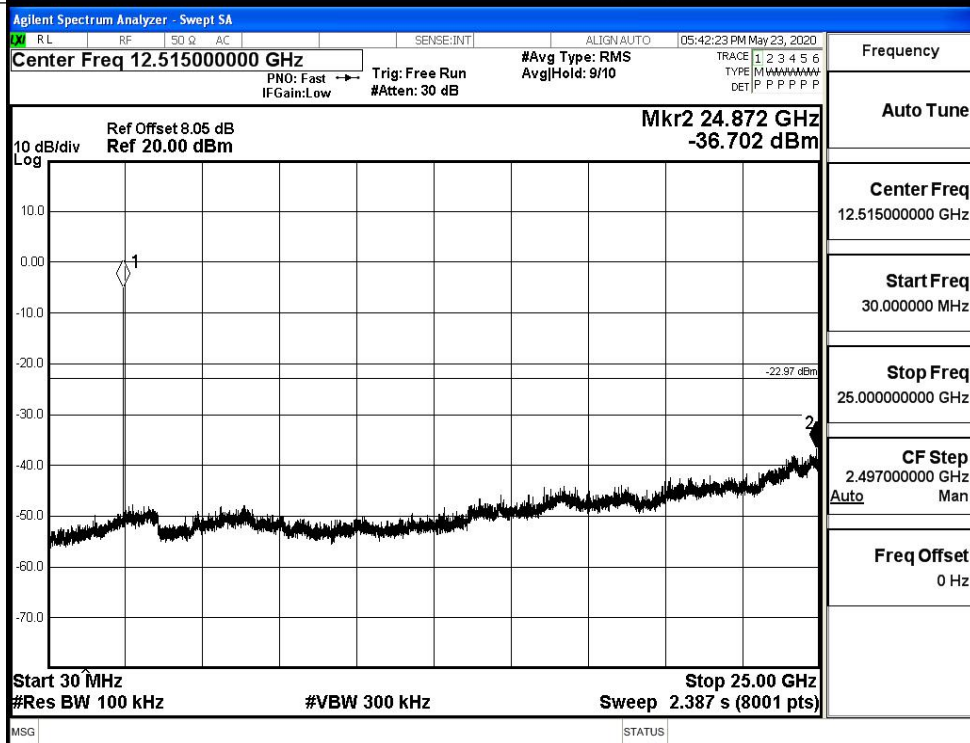


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

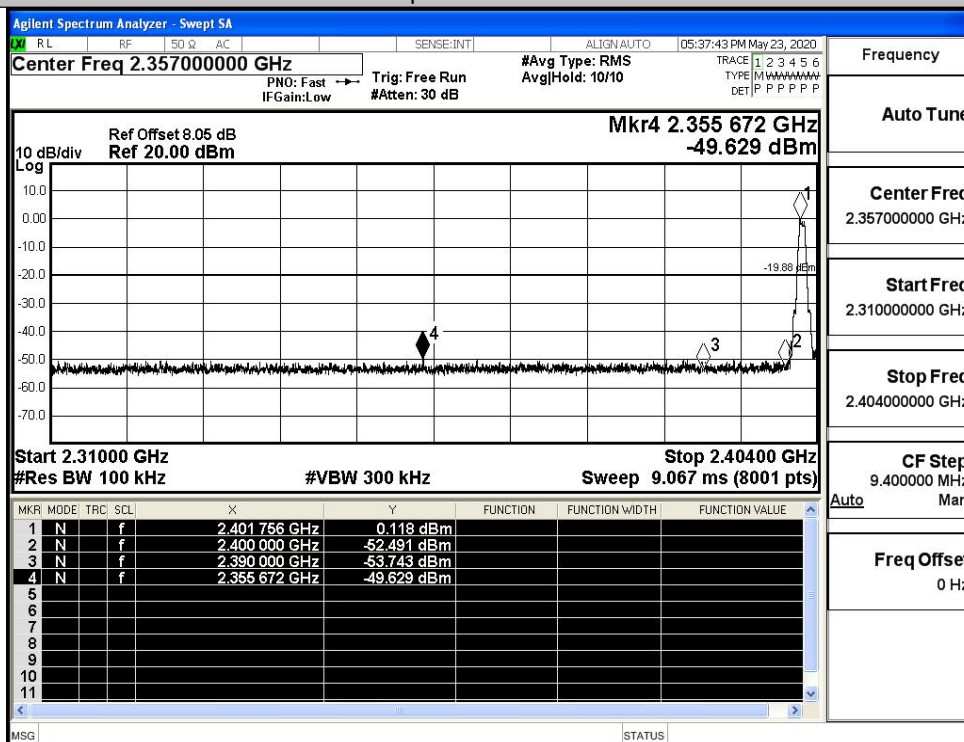


B.6 Band-edge for RF Conducted Emissions

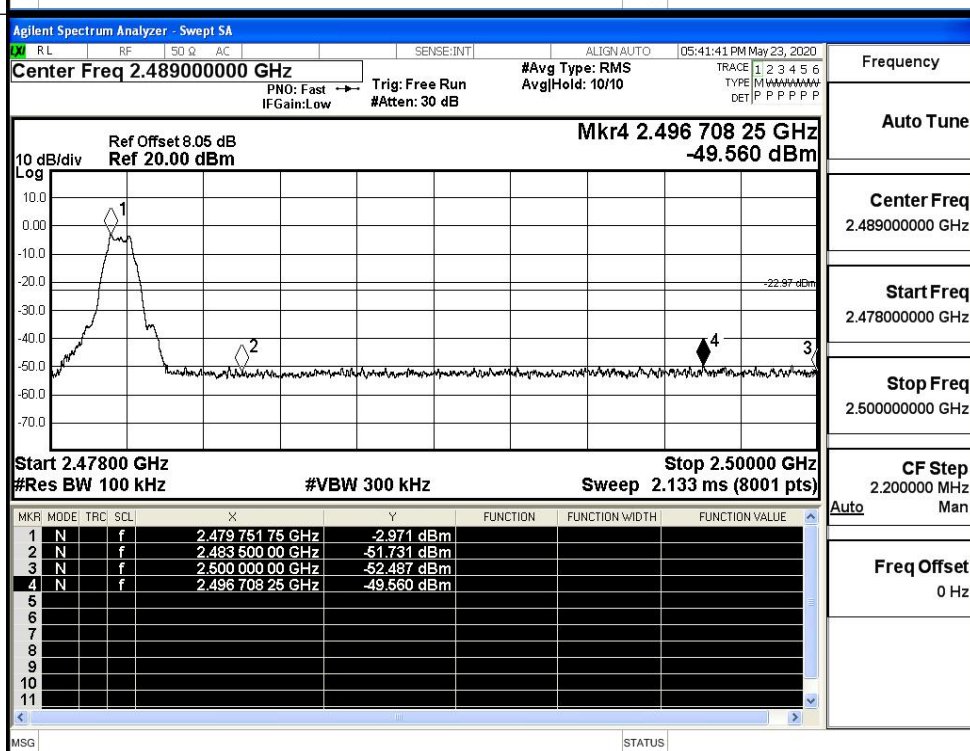
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.118	-49.629	-19.88	PASS
BT LE	HCH	-2.971	-49.560	-22.97	PASS

Test Graphs

LCH



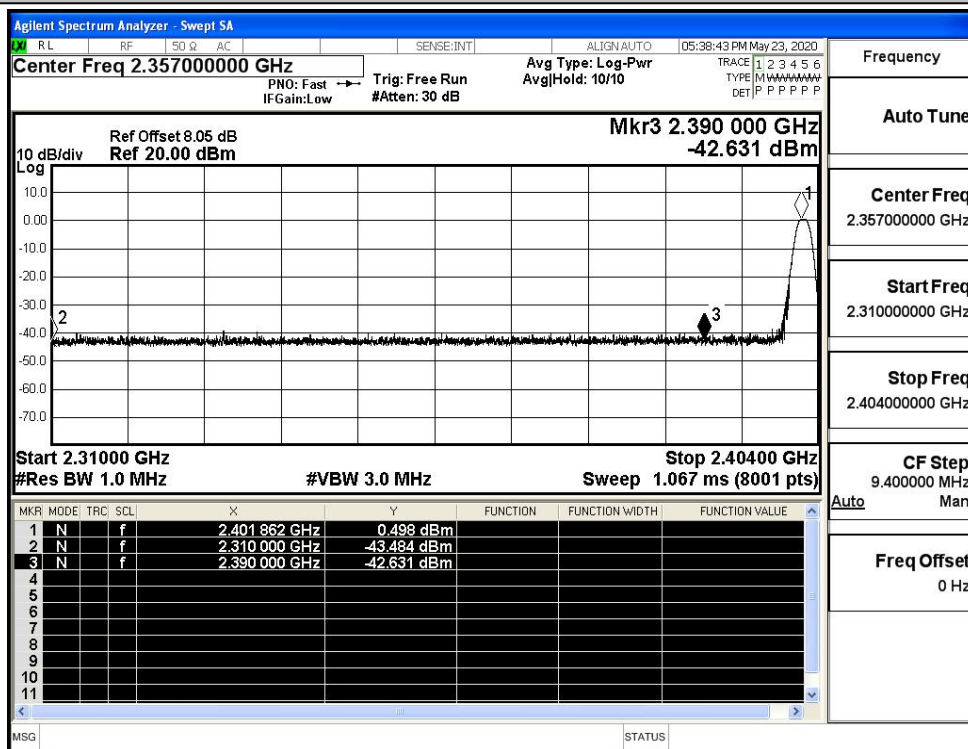
HCH



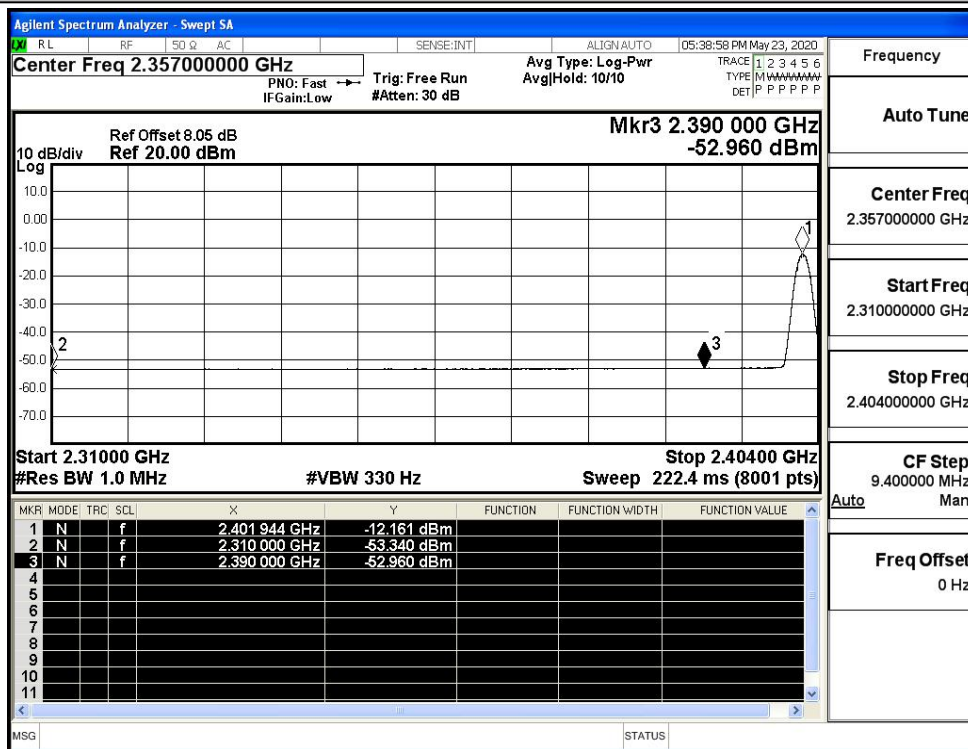
B.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BT LE	2402	Ant1	2310.0	-43.48	2.0	0	53.75	PEAK	74	PASS
		Ant1	2310.0	-53.34	2.0	0	43.89	AV	54	PASS
		Ant1	2390.0	-42.63	2.0	0	54.60	PEAK	74	PASS
		Ant1	2390.0	-52.96	2.0	0	44.27	AV	54	PASS
	2480	Ant1	2483.5	-43.21	2.0	0	54.02	PEAK	74	PASS
		Ant1	2483.5	-52.42	2.0	0	44.81	AV	54	PASS
		Ant1	2500.0	-42.48	2.0	0	54.75	PEAK	74	PASS
		Ant1	2500.0	-52.17	2.0	0	45.06	AV	54	PASS

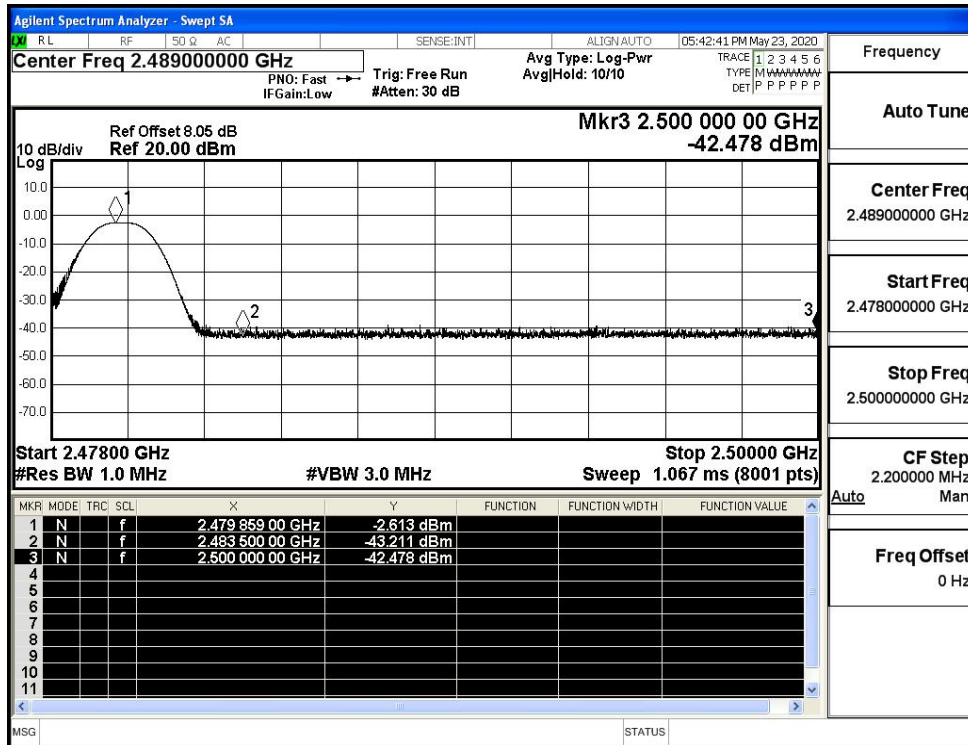
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

