

Appendix B

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

Product Name: Pay-on-Foot Kiosk

Trade Mark: N/A

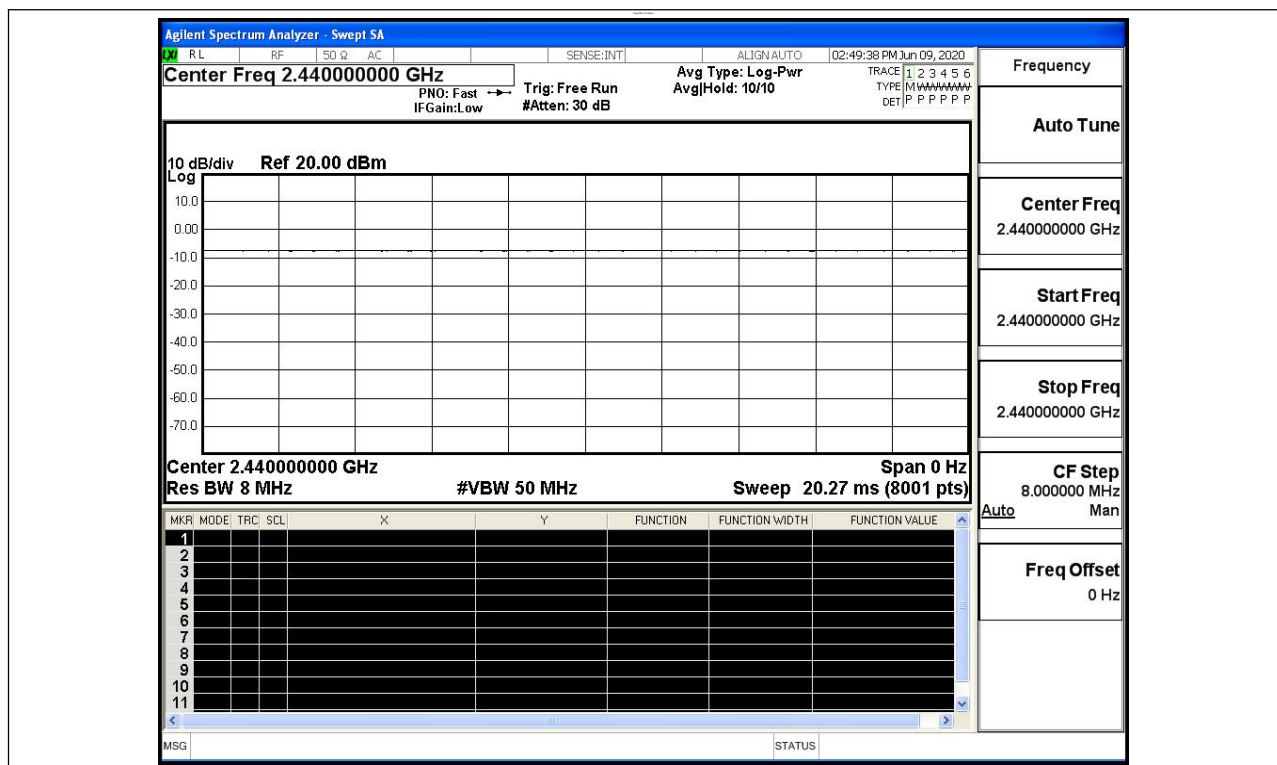
Test Model: REEF-US-LKS8344A

Environmental Conditions

Temperature:	22.5 ° C
Relative Humidity:	52.1%
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

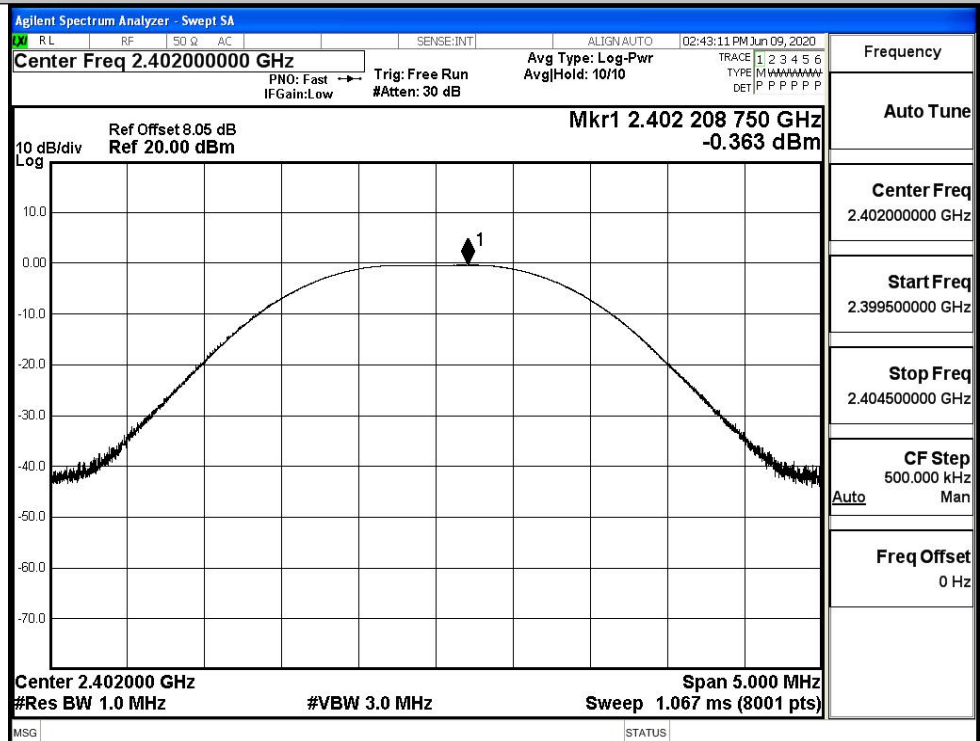


B.2 Maximum Conducted Peak Output Power

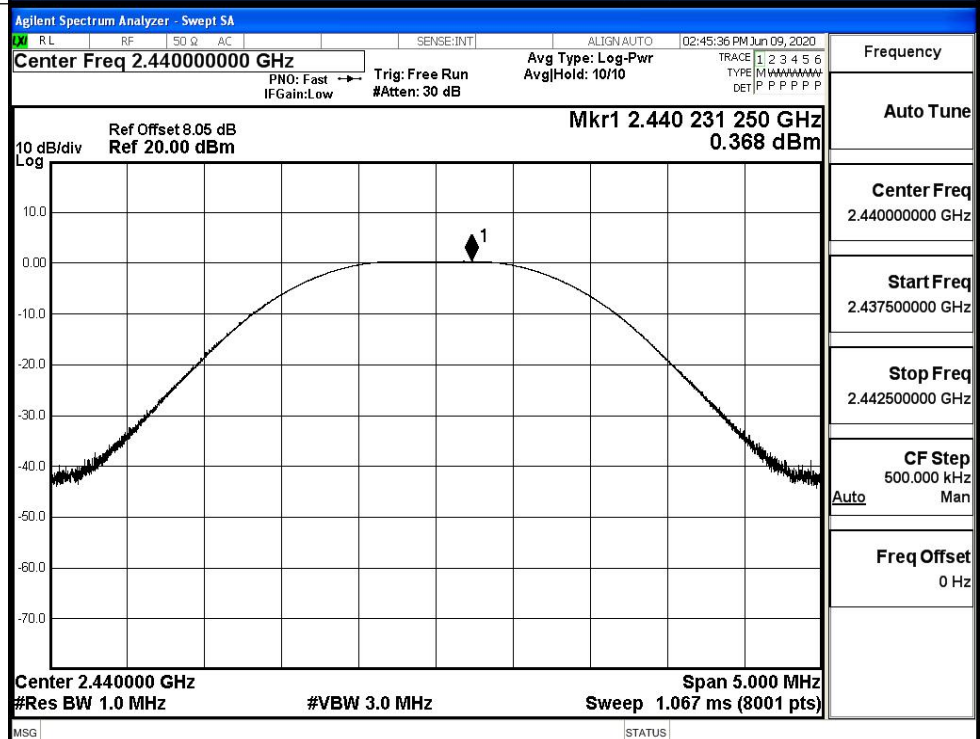
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.363	30	PASS
BT LE	MCH	0.368	30	PASS
BT LE	HCH	0.510	30	PASS

Test Graphs

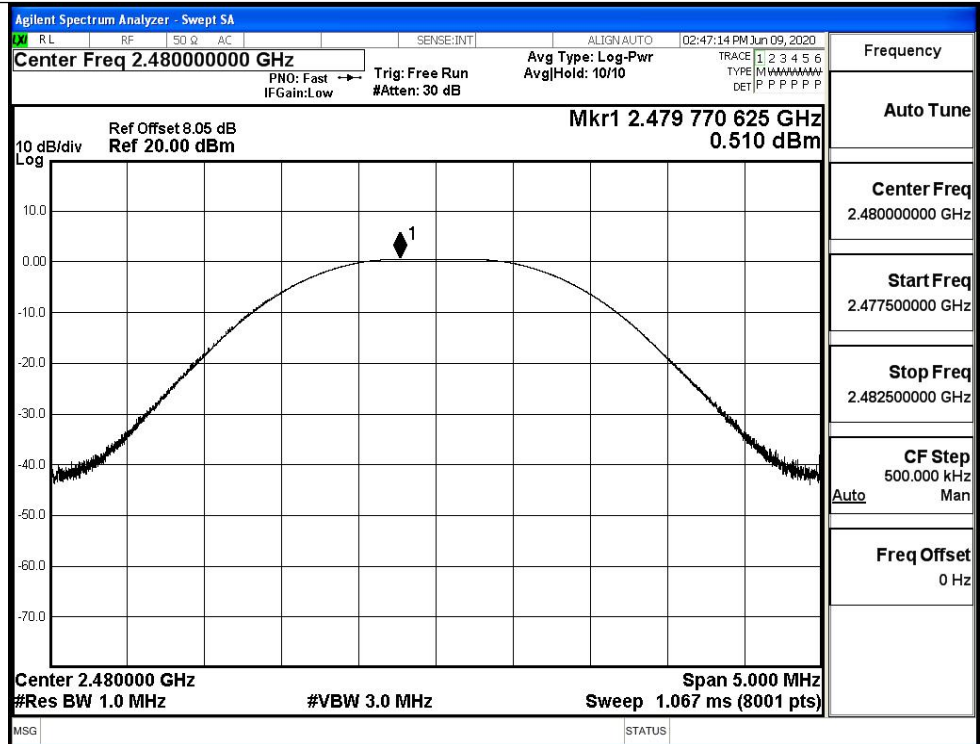
LCH



MCH



HCH

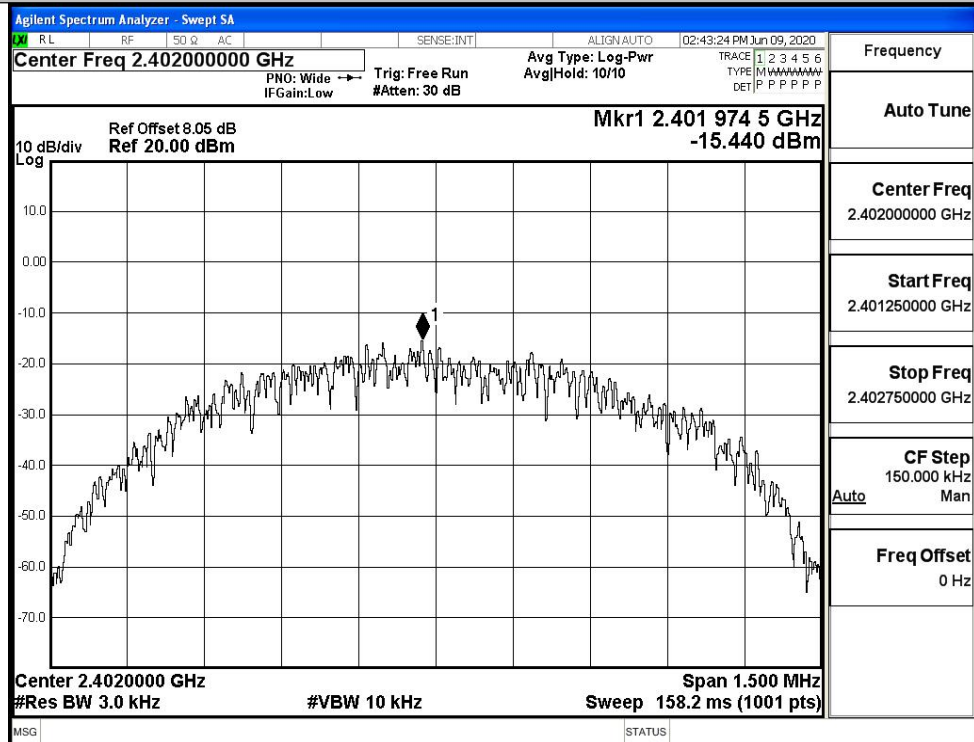


B.3 Maximum Power Spectral Density

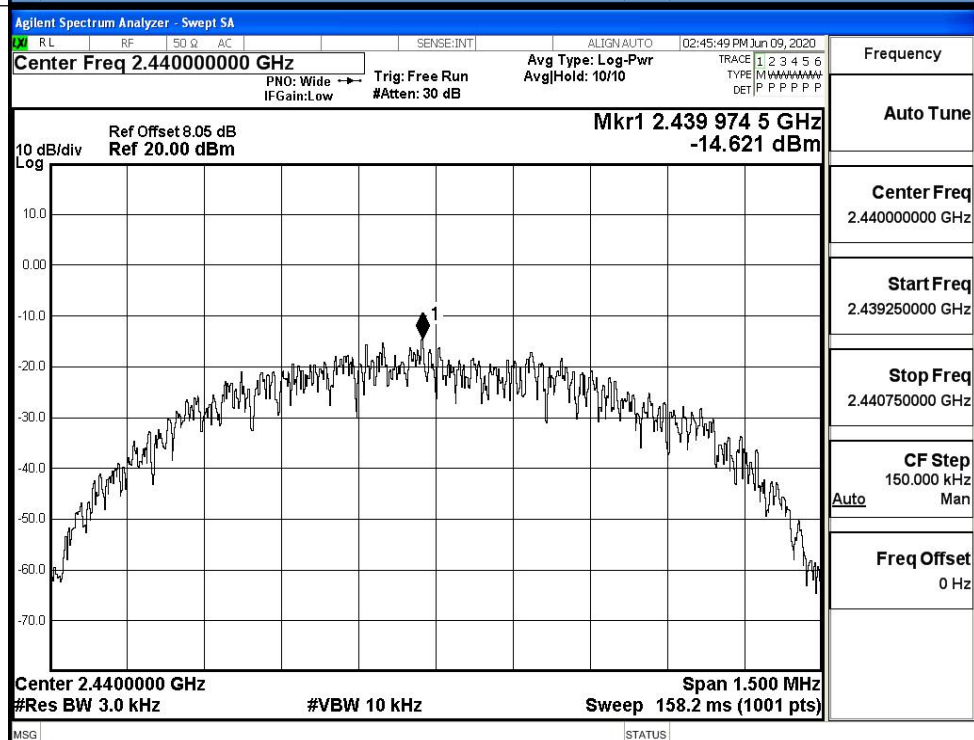
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.440	8	PASS
BT LE	MCH	-14.621	8	PASS
BT LE	HCH	-15.455	8	PASS

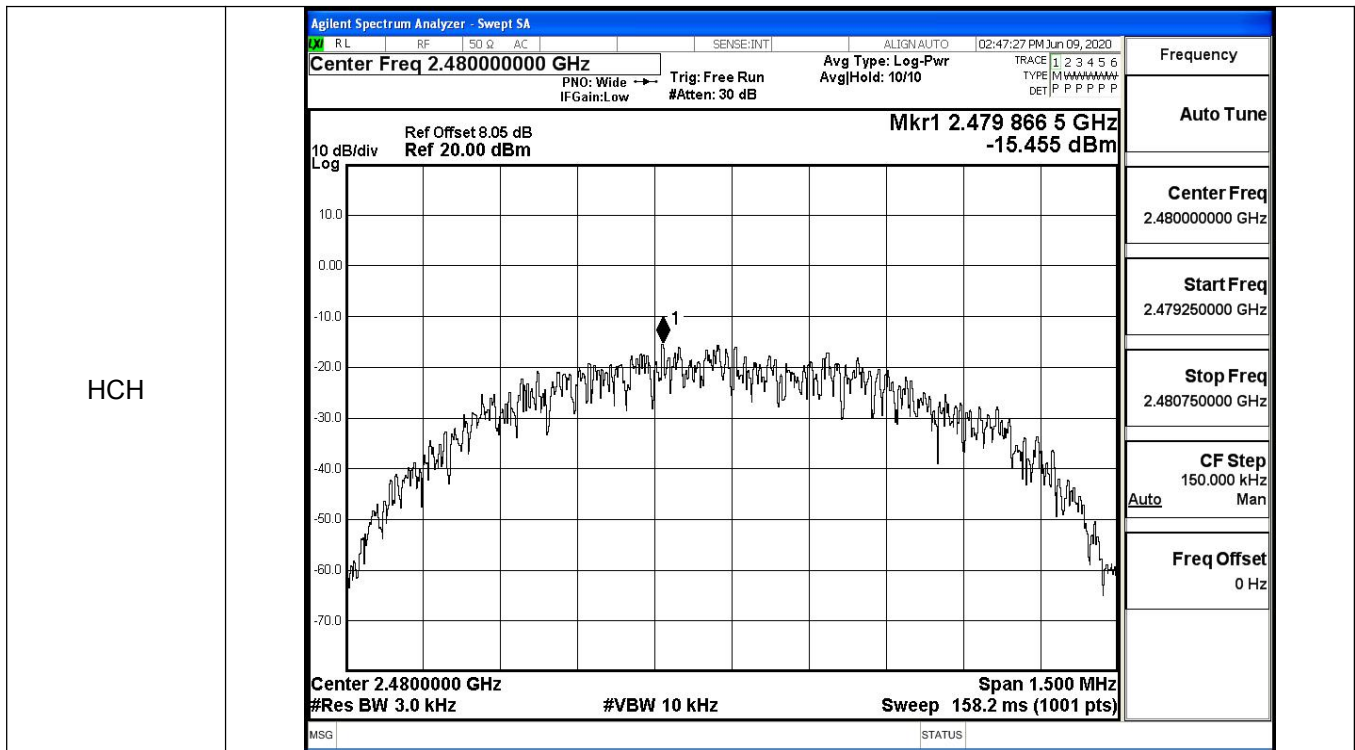
Test Graphs

LCH



MCH



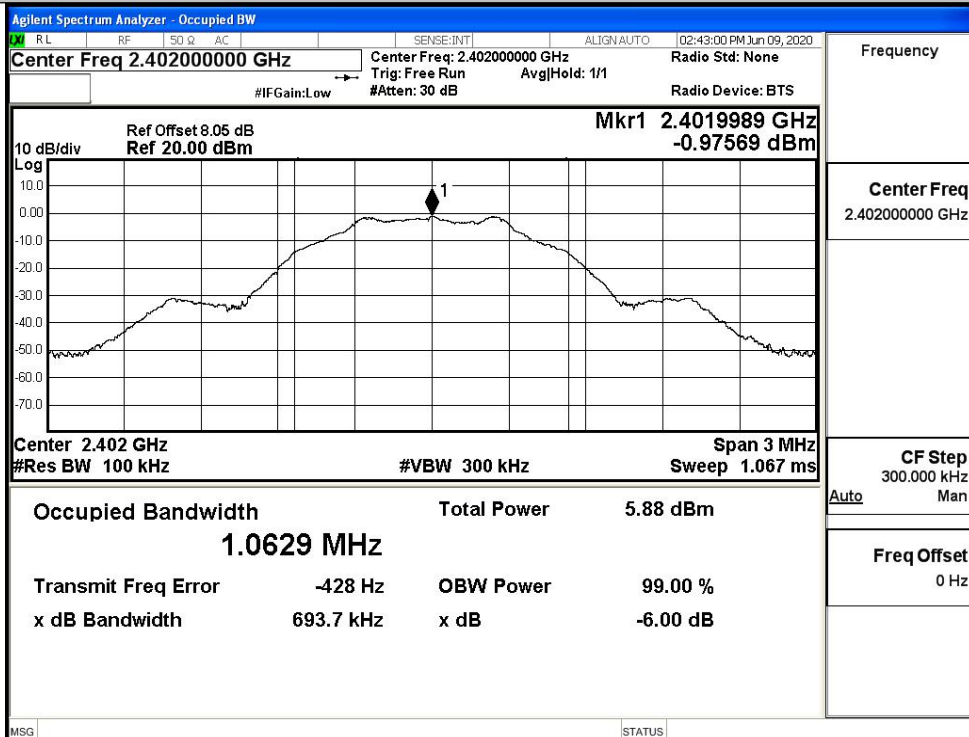


B.4 6dB Bandwidth

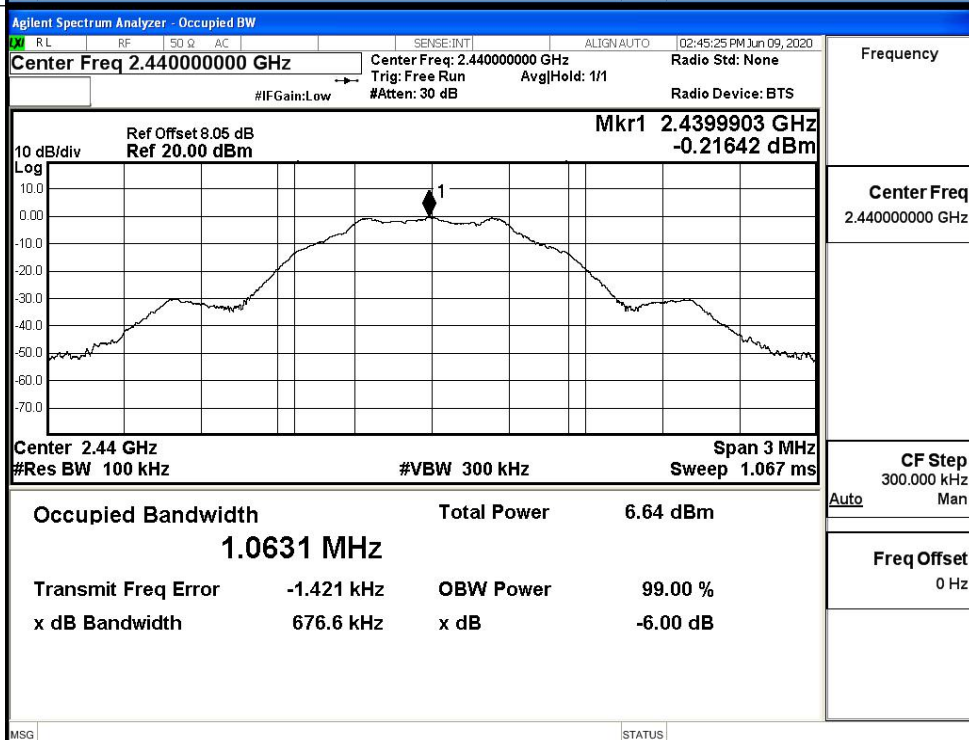
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6937	≥ 0.5	PASS
BT LE	MCH	0.6766	≥ 0.5	PASS
BT LE	HCH	0.6848	≥ 0.5	PASS

Test Graphs

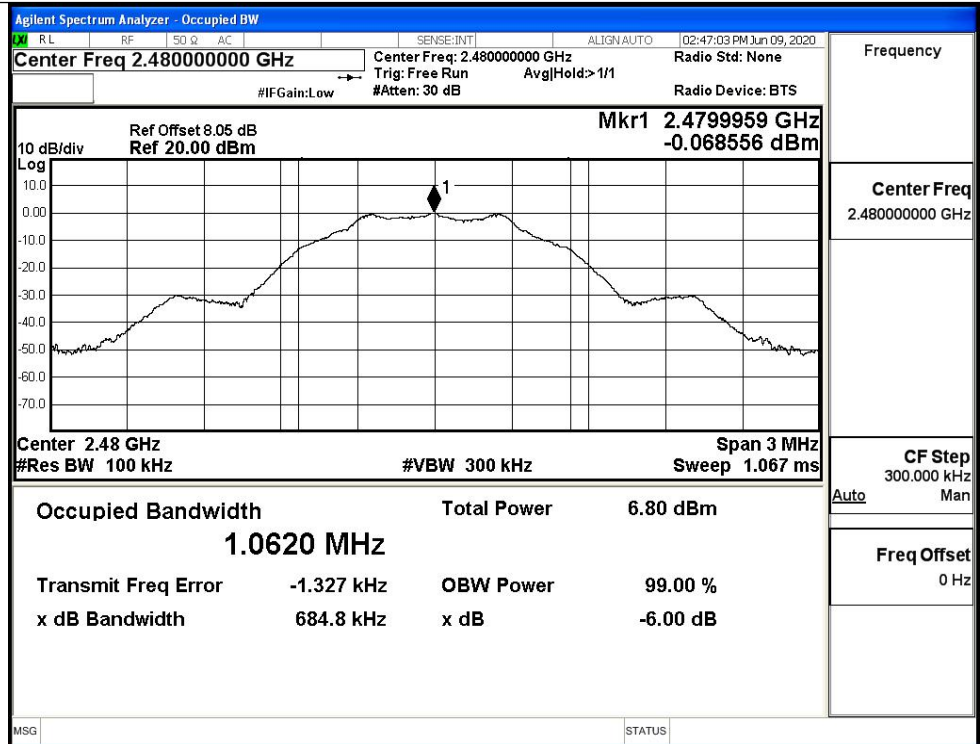
LCH



MCH



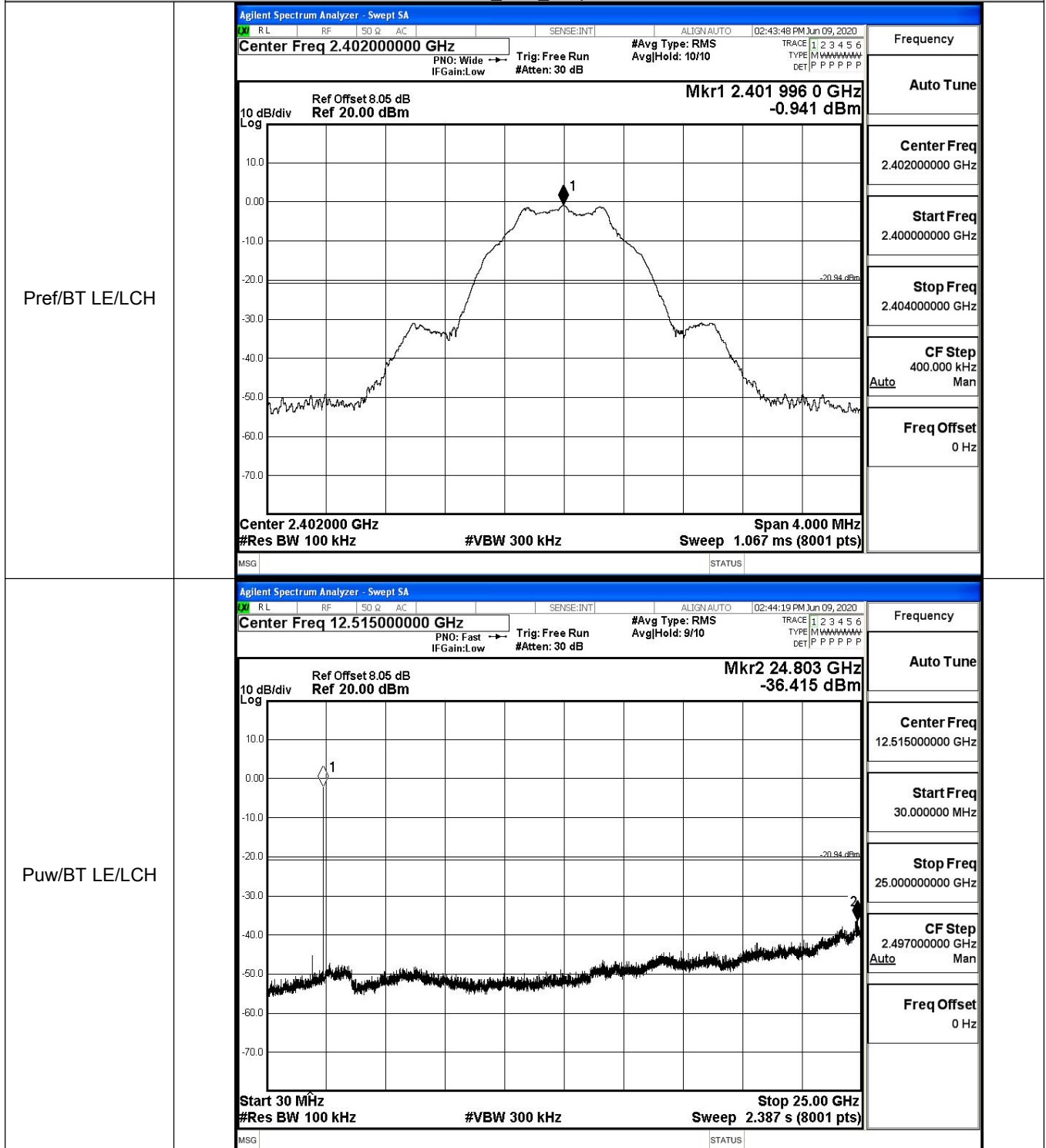
HCH



B.5 RF Conducted Spurious Emissions

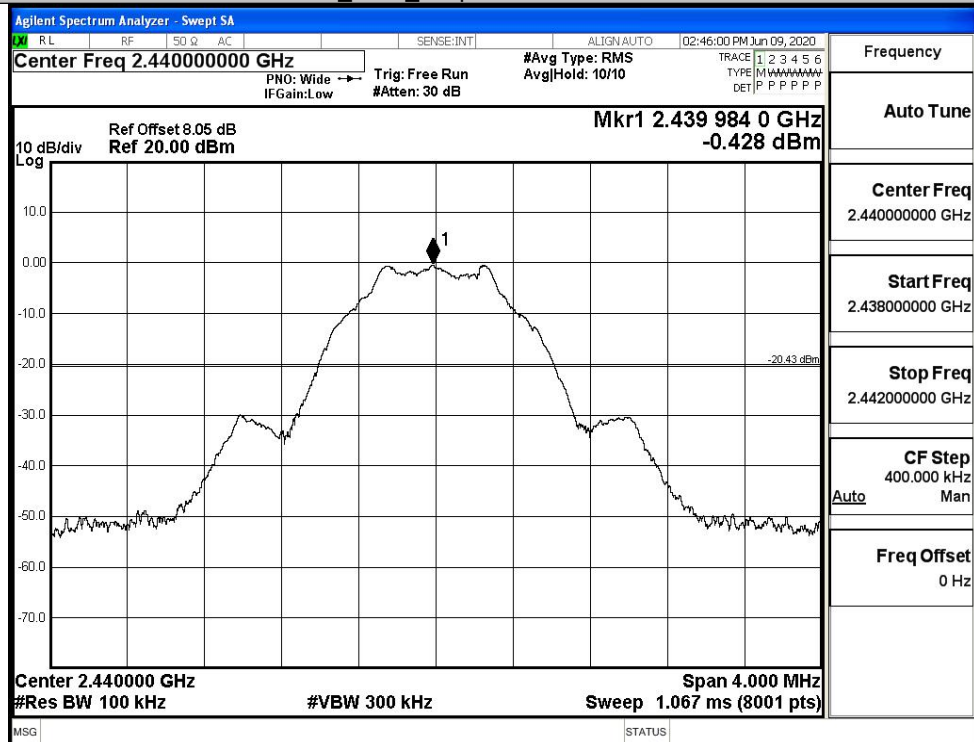
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.941	-36.415	-20.941	PASS
BT LE	MCH	-0.428	-35.616	-20.428	PASS
BT LE	HCH	-0.057	-37.189	-20.057	PASS

BT LE_LCH_Graphs

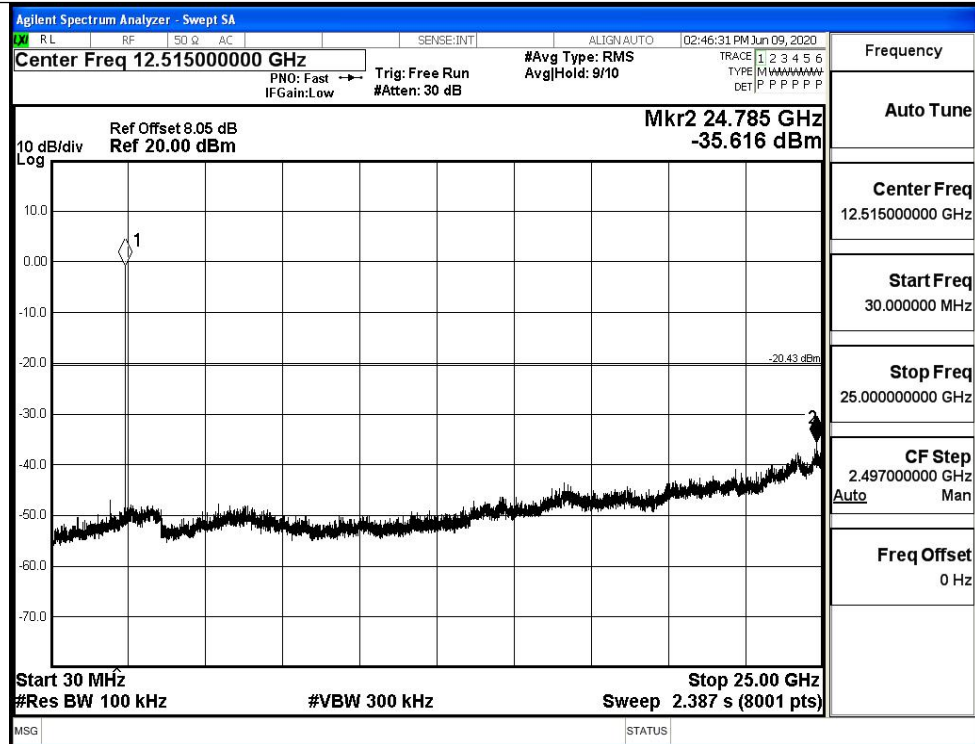


BT LE_MCH_Graphs

Pref/BT LE/MCH

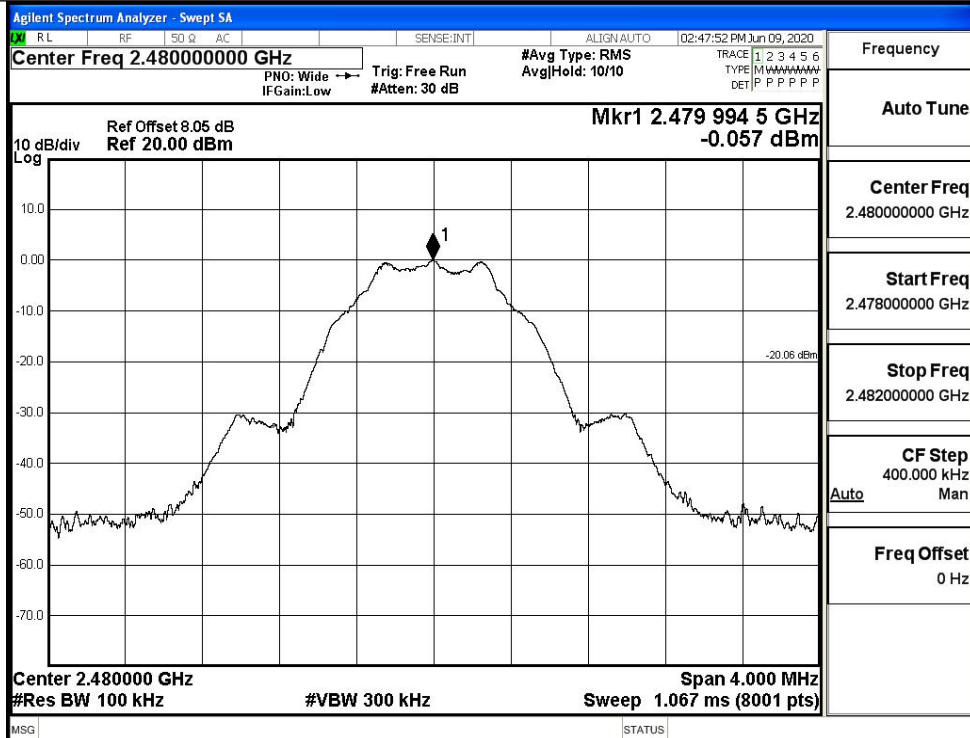


Puw/BT LE/MCH

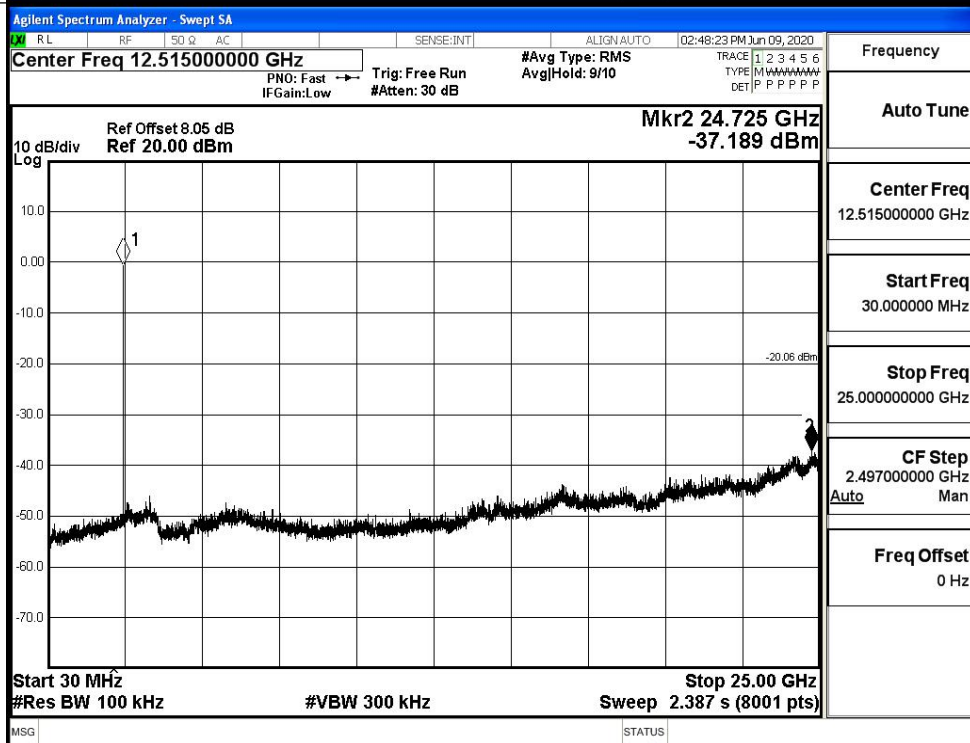


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

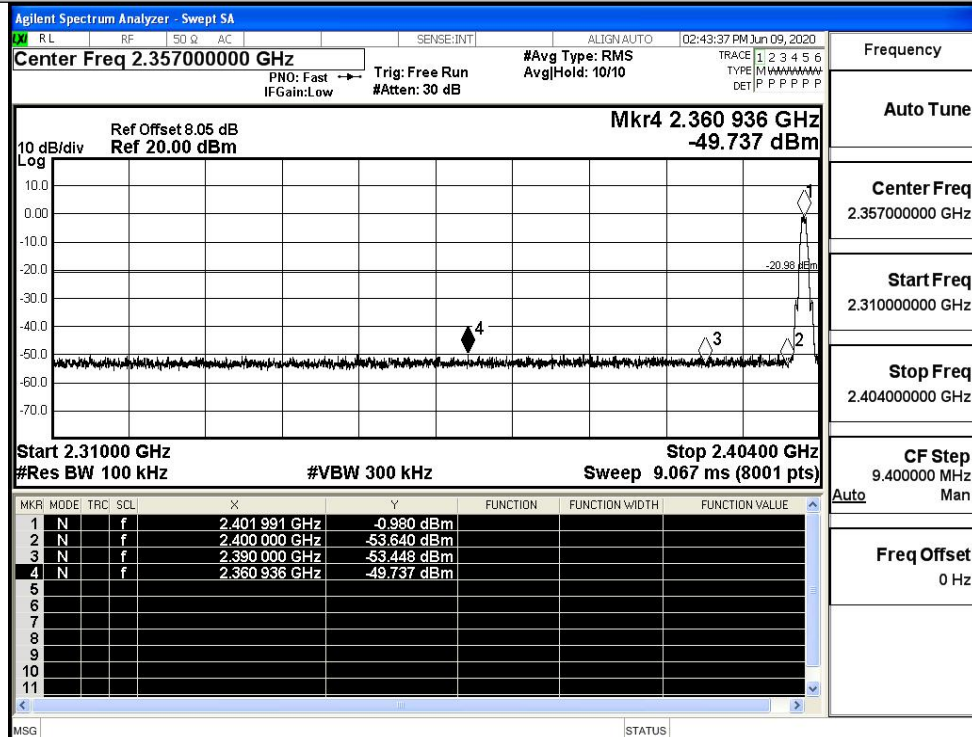


B.6 Band-edge for RF Conducted Emissions

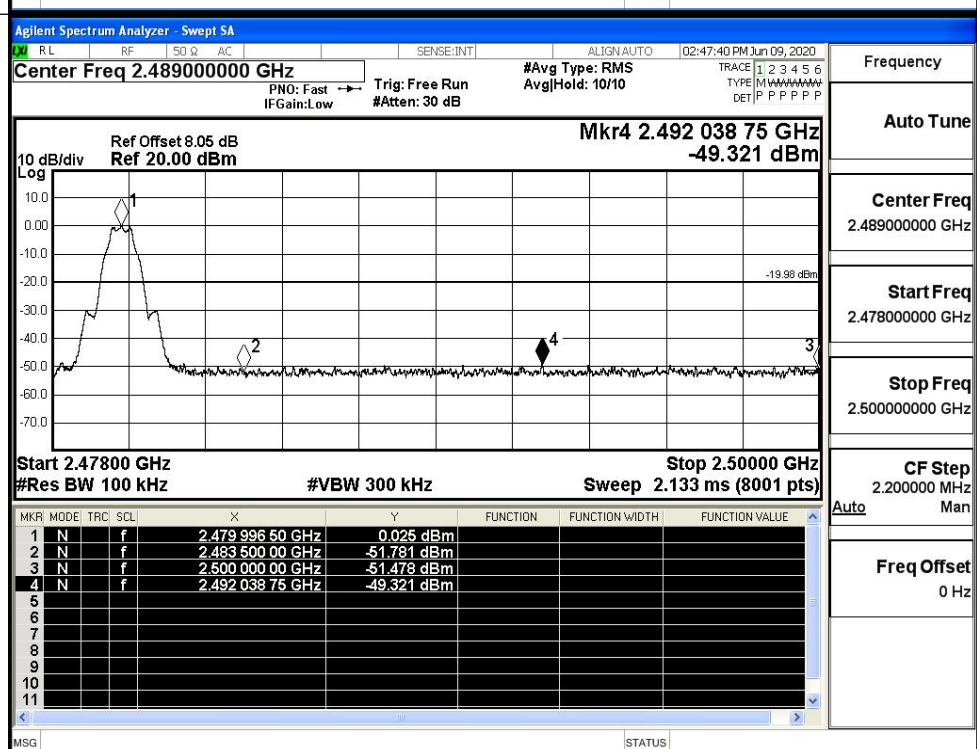
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.980	-49.737	-20.98	PASS
BT LE	HCH	0.025	-49.321	-19.98	PASS

Test Graphs

LCH



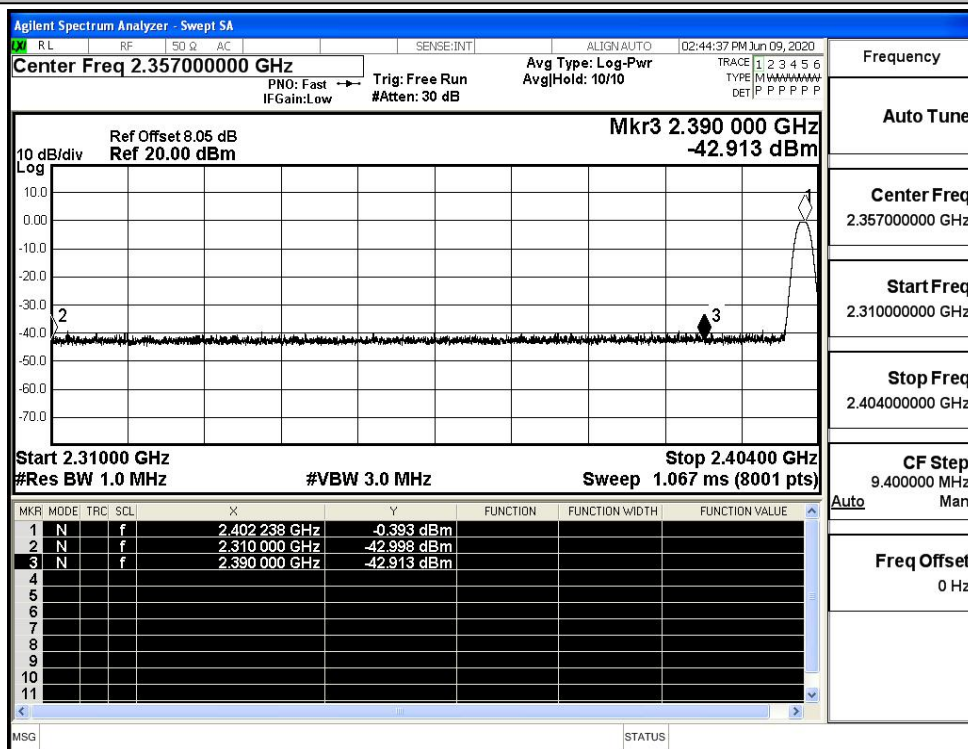
HCH



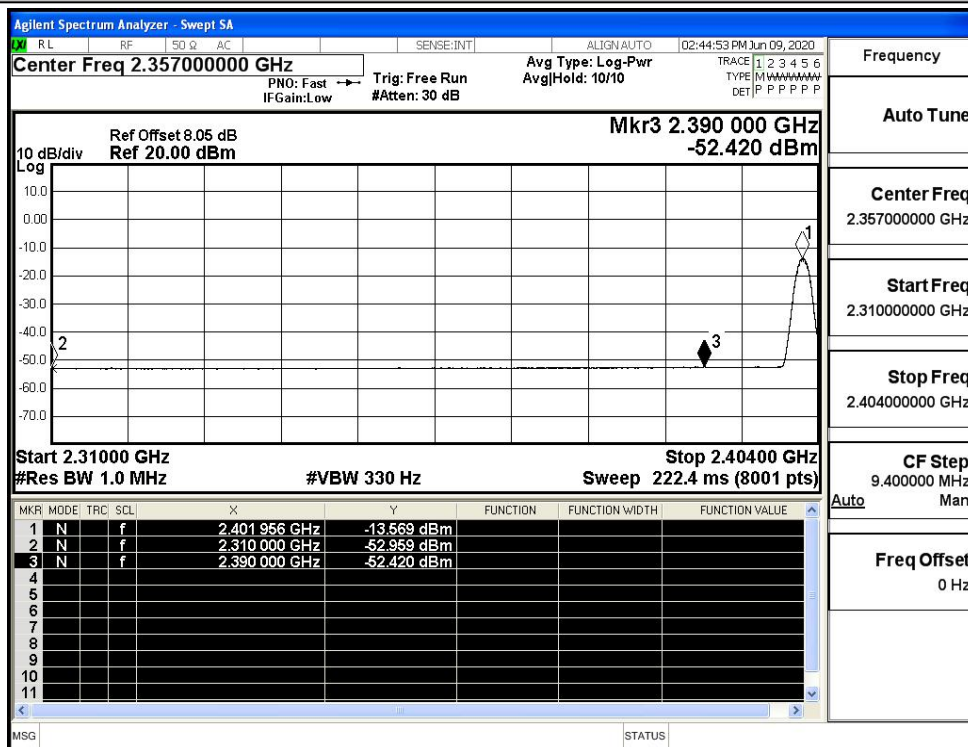
B.7 Restrict-band band-edge measurements

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	-43.00	2.0	0	54.23	PEAK	74	PASS
		Ant1	2310.0	-52.96	2.0	0	44.27	AV	54	PASS
		Ant1	2390.0	-42.91	2.0	0	54.32	PEAK	74	PASS
		Ant1	2390.0	-52.42	2.0	0	44.81	AV	54	PASS
	2480	Ant1	2483.5	-41.69	2.0	0	55.54	PEAK	74	PASS
		Ant1	2483.5	-52.21	2.0	0	45.02	AV	54	PASS
		Ant1	2500.0	-41.53	2.0	0	55.70	PEAK	74	PASS
		Ant1	2500.0	-51.96	2.0	0	45.27	AV	54	PASS

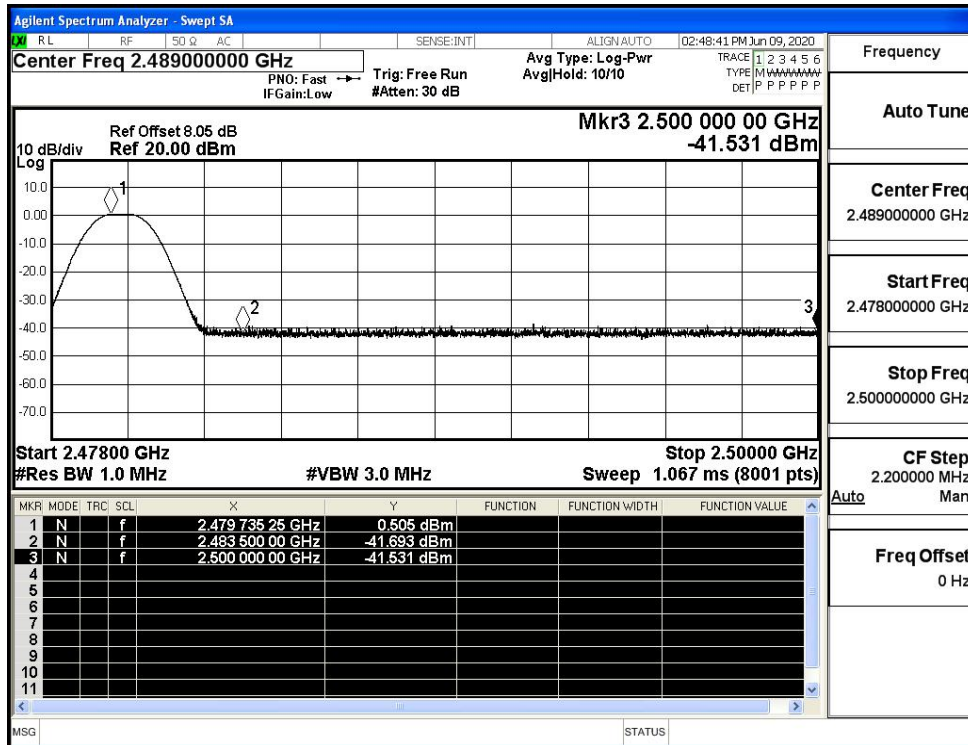
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

