

Appendix B

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

Product Name: IPTV

Trade Mark: Formuler

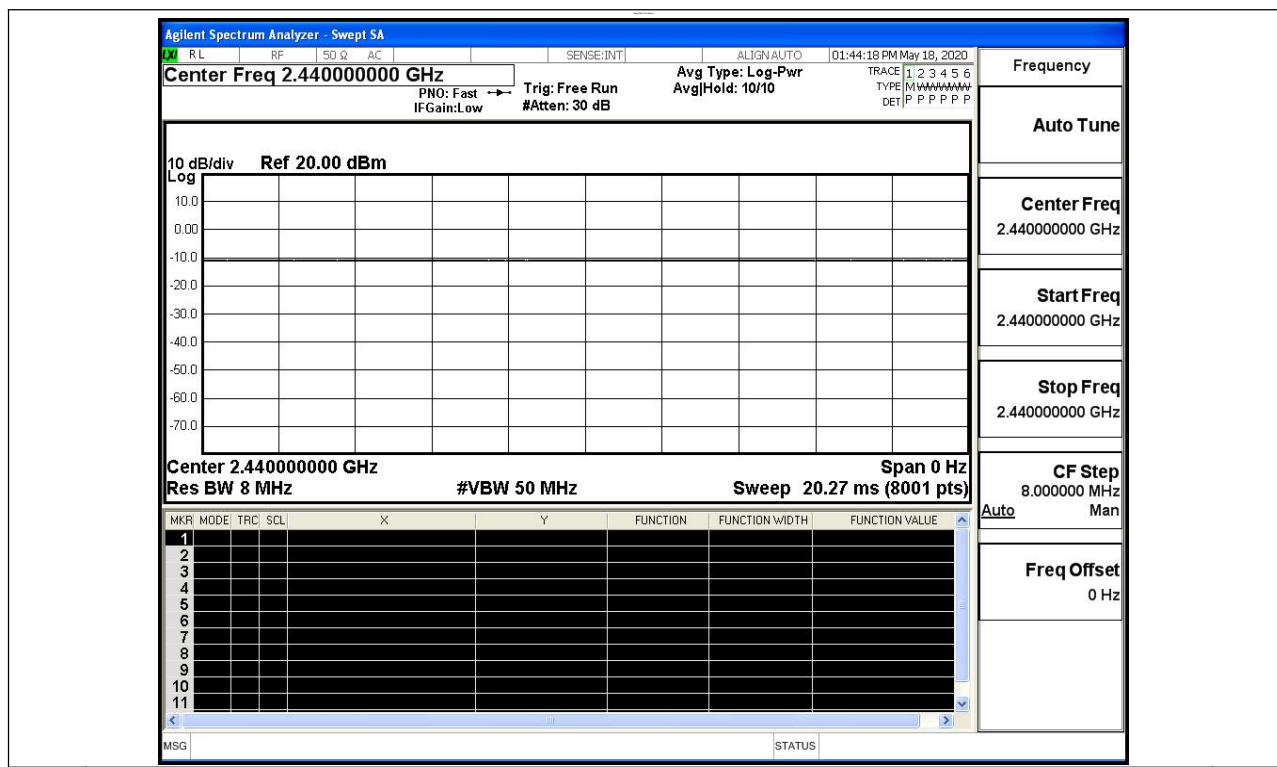
Test Model:GTV

Environmental Conditions

Temperature:	25.1 ° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	David.Luo
Supervised by:	Li Huan

B.1 Duty Cycle

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

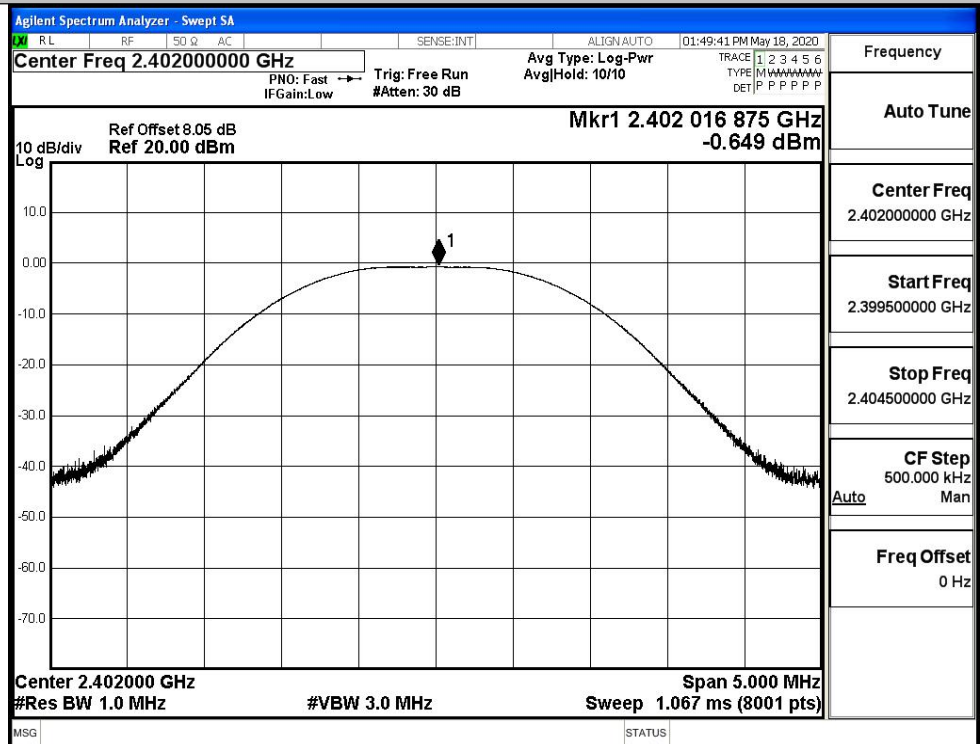


B.2 Maximum Conducted Peak Output Power

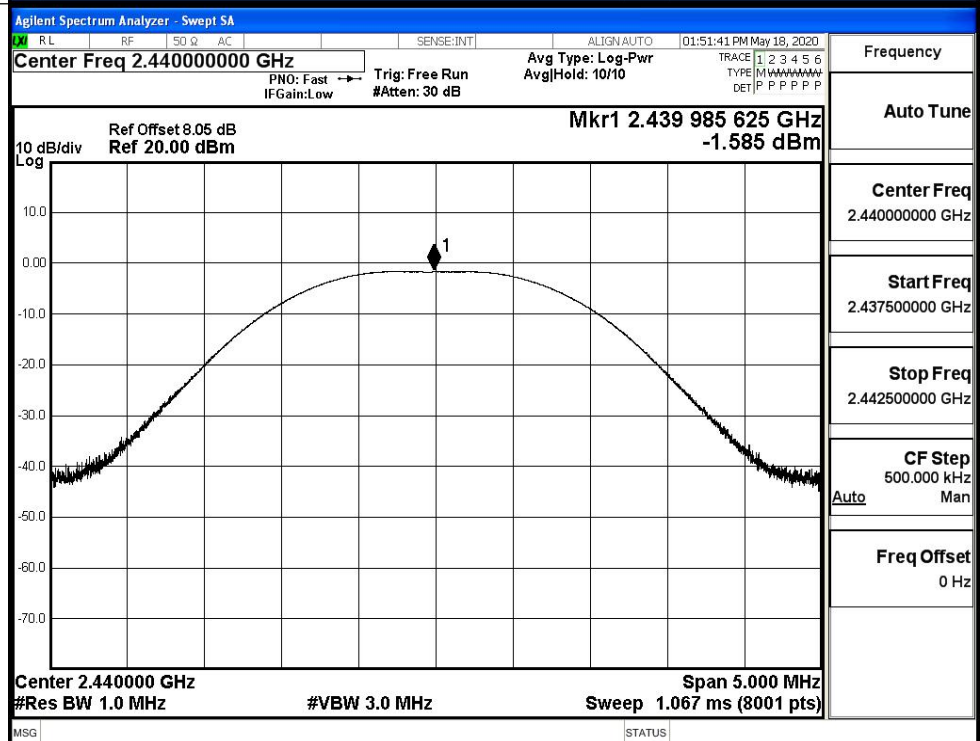
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.649	30	PASS
BT LE	MCH	-1.585	30	PASS
BT LE	HCH	-3.081	30	PASS

Test Graphs

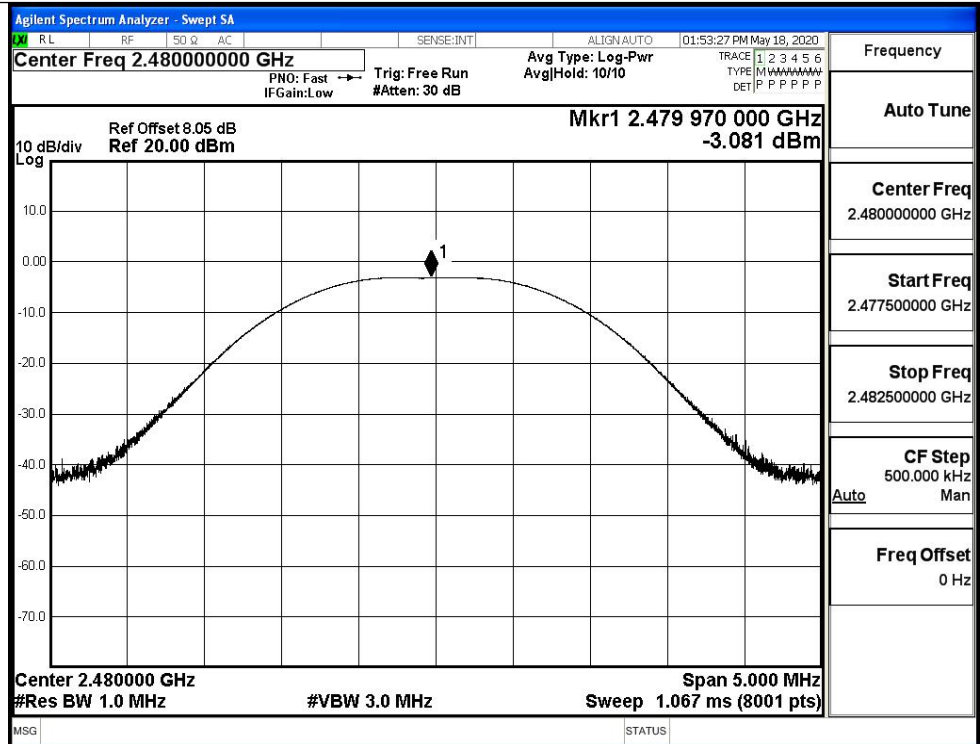
LCH



MCH



HCH

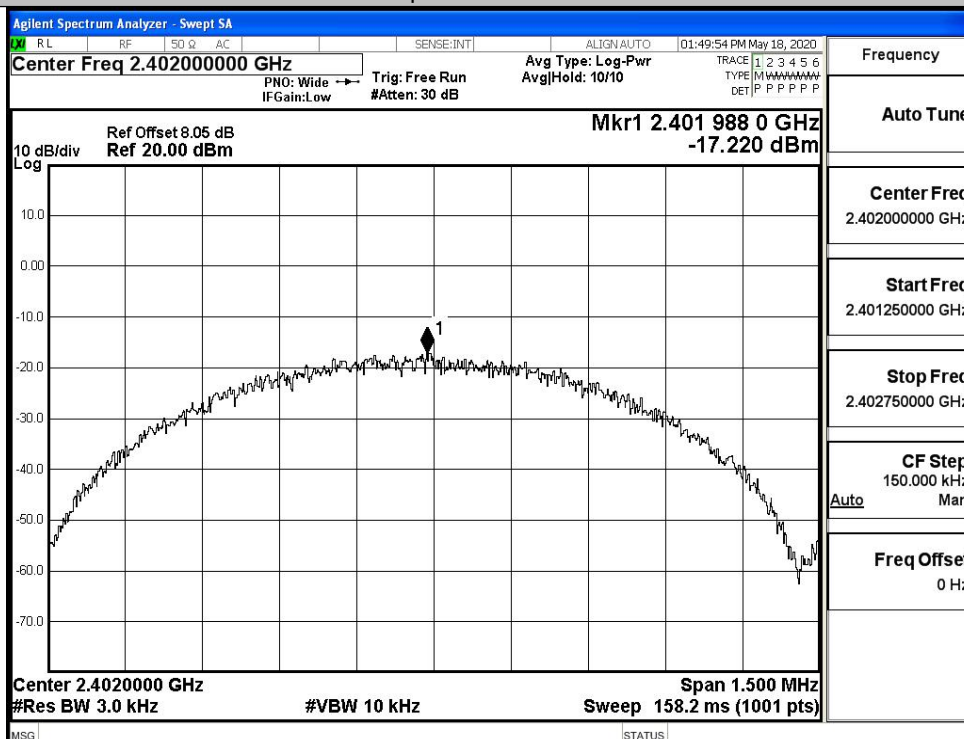


B.3 Maximum Power Spectral Density

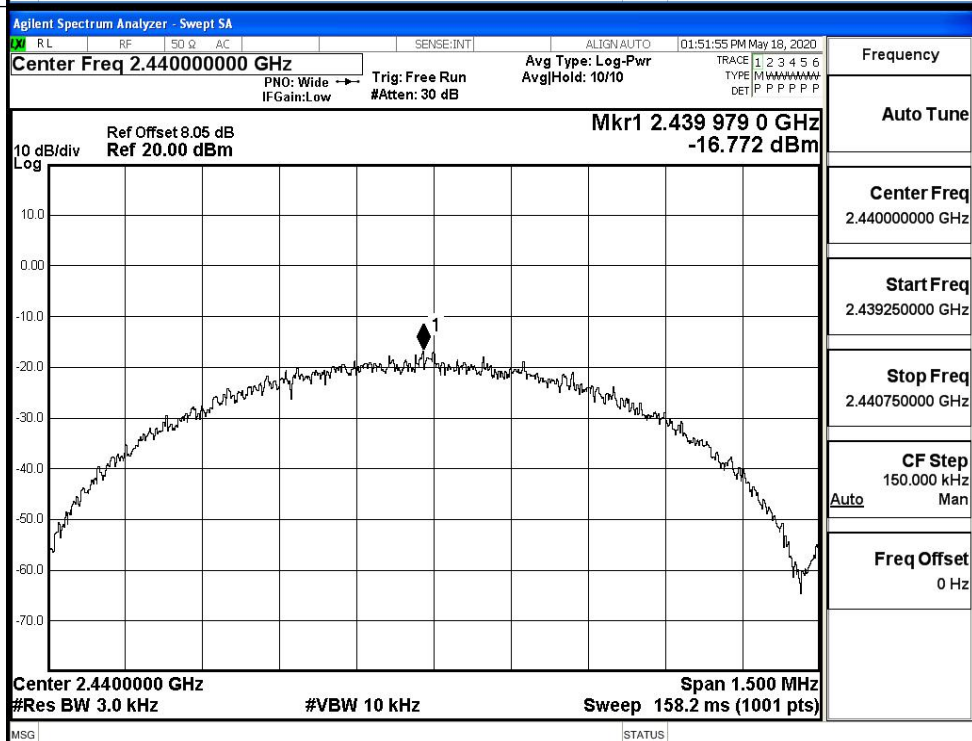
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.220	8	PASS
BT LE	MCH	-16.772	8	PASS
BT LE	HCH	-19.367	8	PASS

Test Graphs

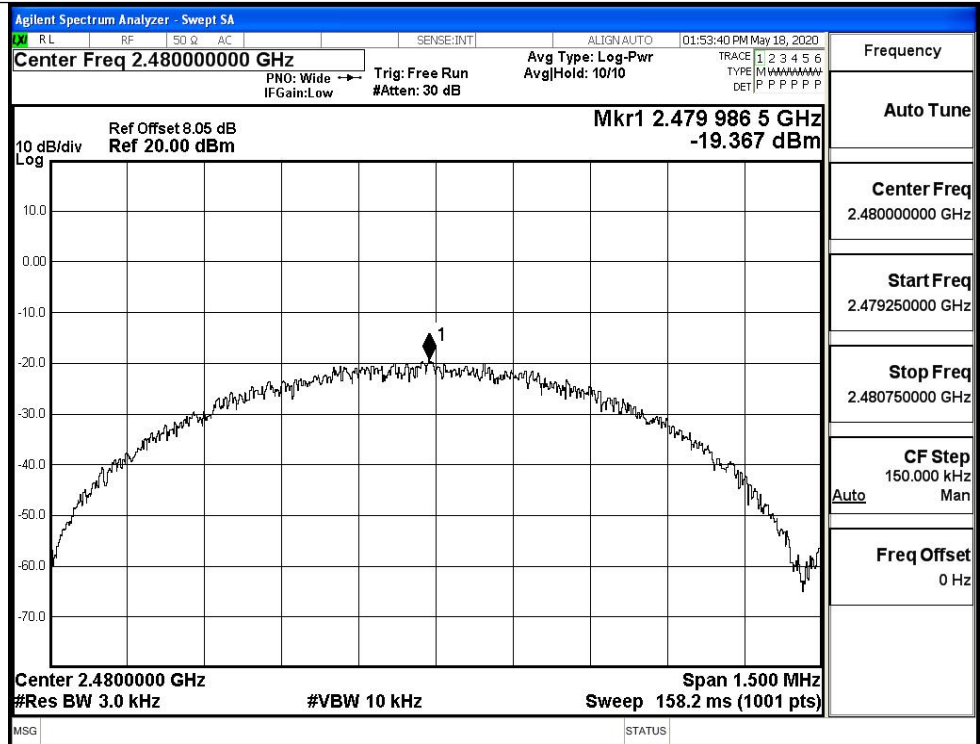
LCH



MCH



HCH

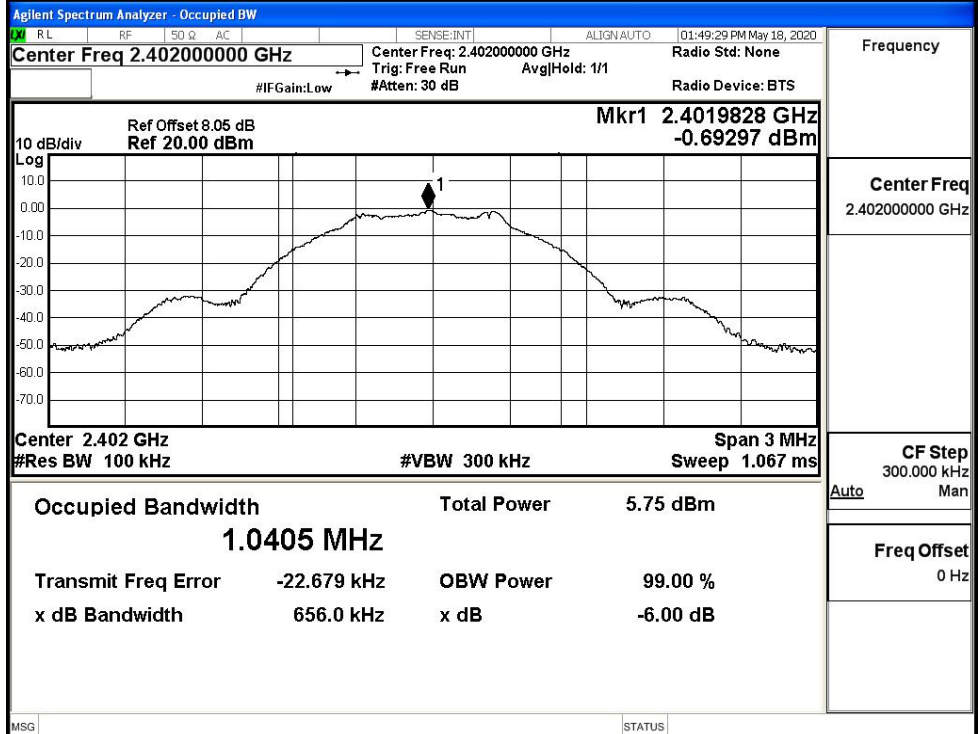


B.4 6dB Bandwidth

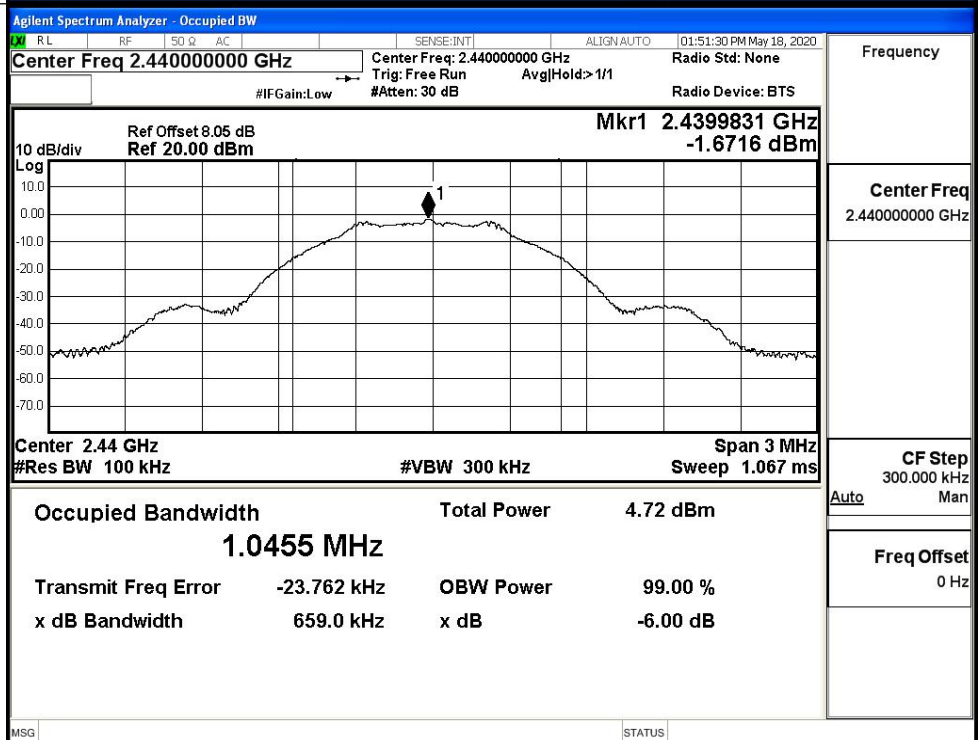
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6560	≥ 0.5	PASS
BT LE	MCH	0.6590	≥ 0.5	PASS
BT LE	HCH	0.6544	≥ 0.5	PASS

Test Graphs

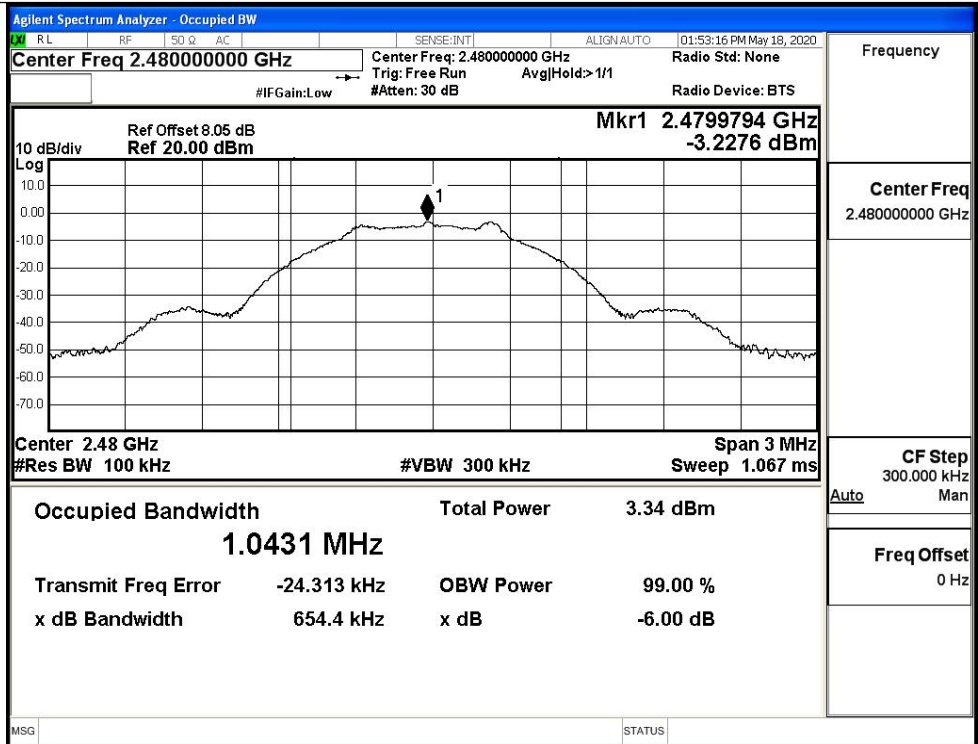
LCH



MCH



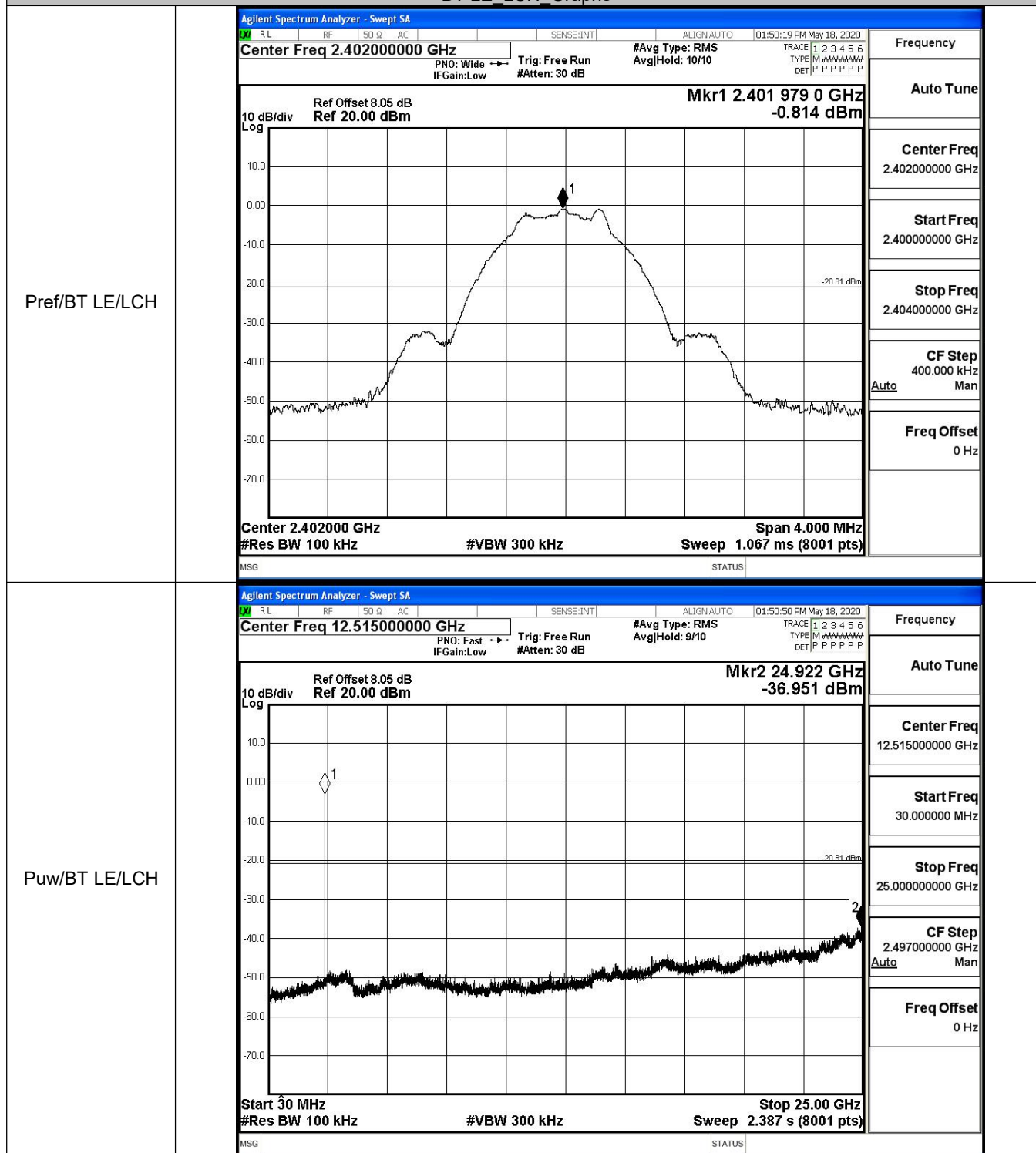
HCH



B.5 RF Conducted Spurious Emissions

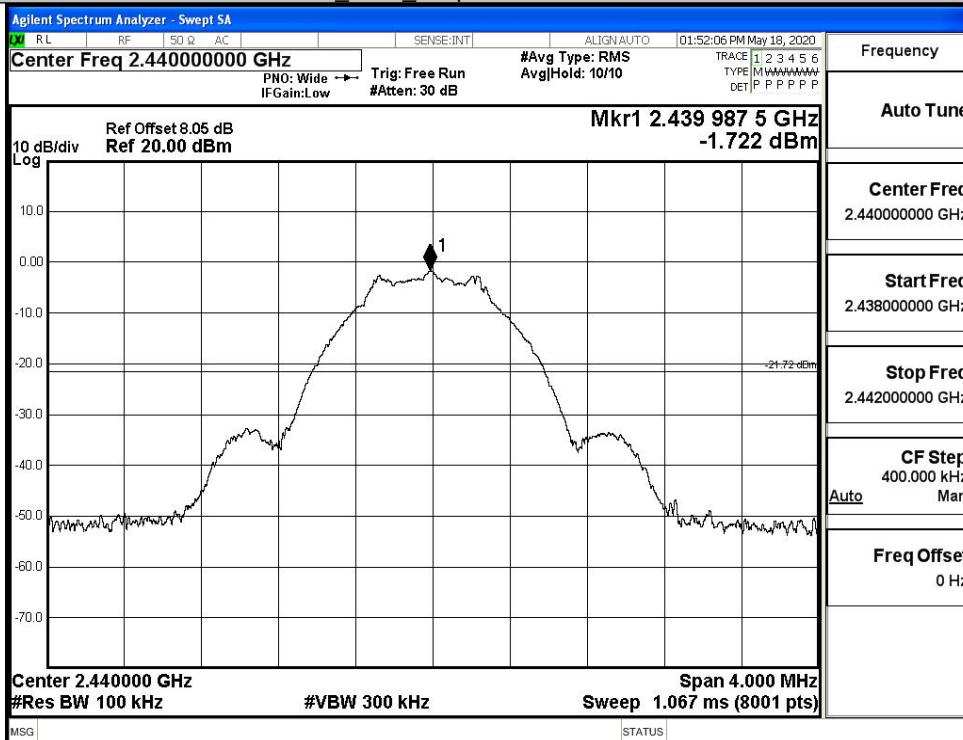
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.814	-36.951	-20.814	PASS
BT LE	MCH	-1.722	-37.356	-21.722	PASS
BT LE	HCH	-4.105	-37.503	-24.105	PASS

BT LE_LCH_Graphs

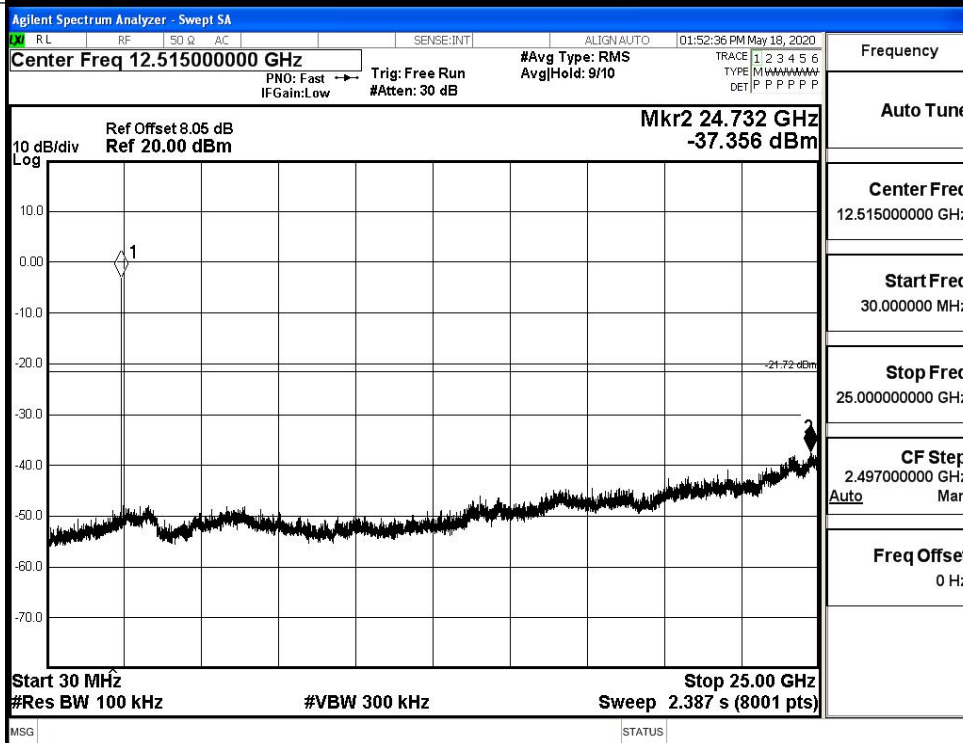


BT LE MCH Graphs

Pref/BT LE/MCH

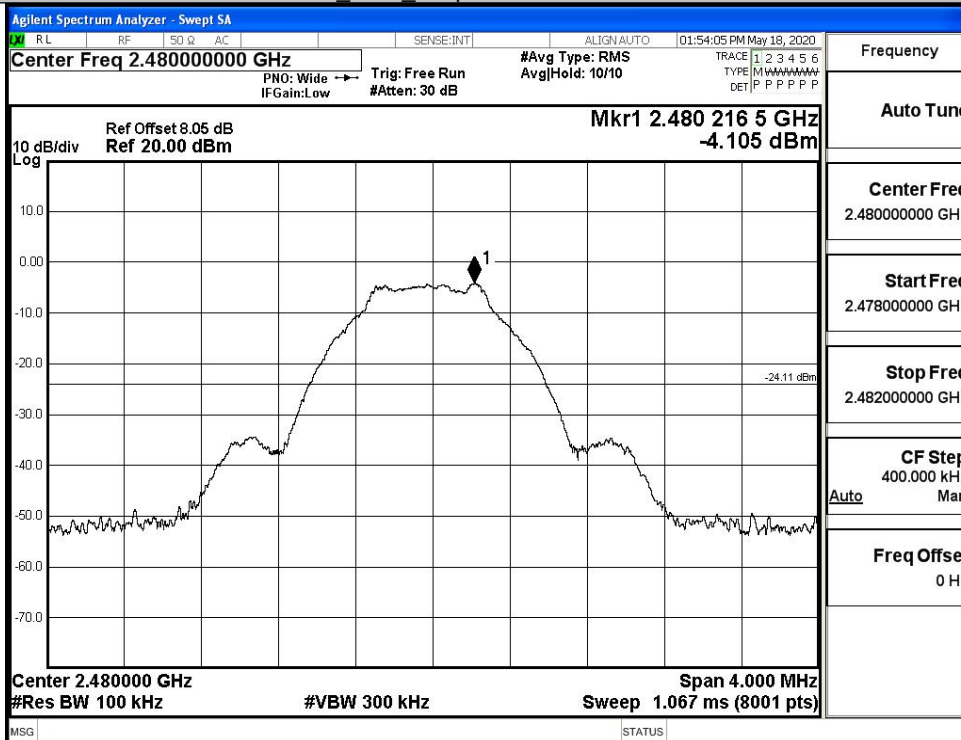


Puw/BT LE/MCH

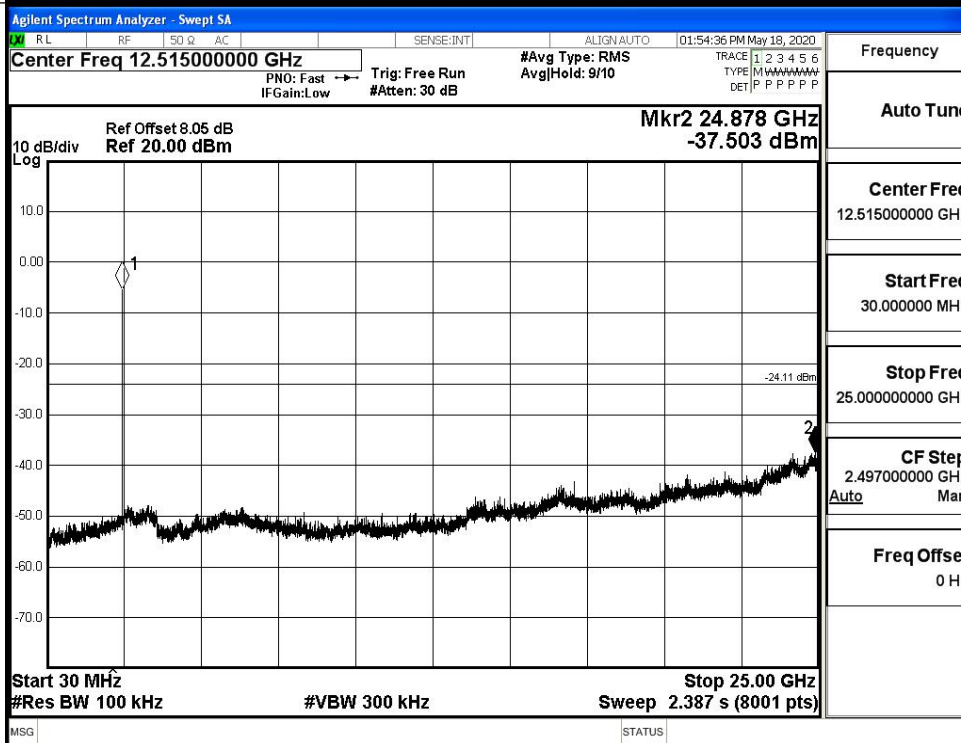


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

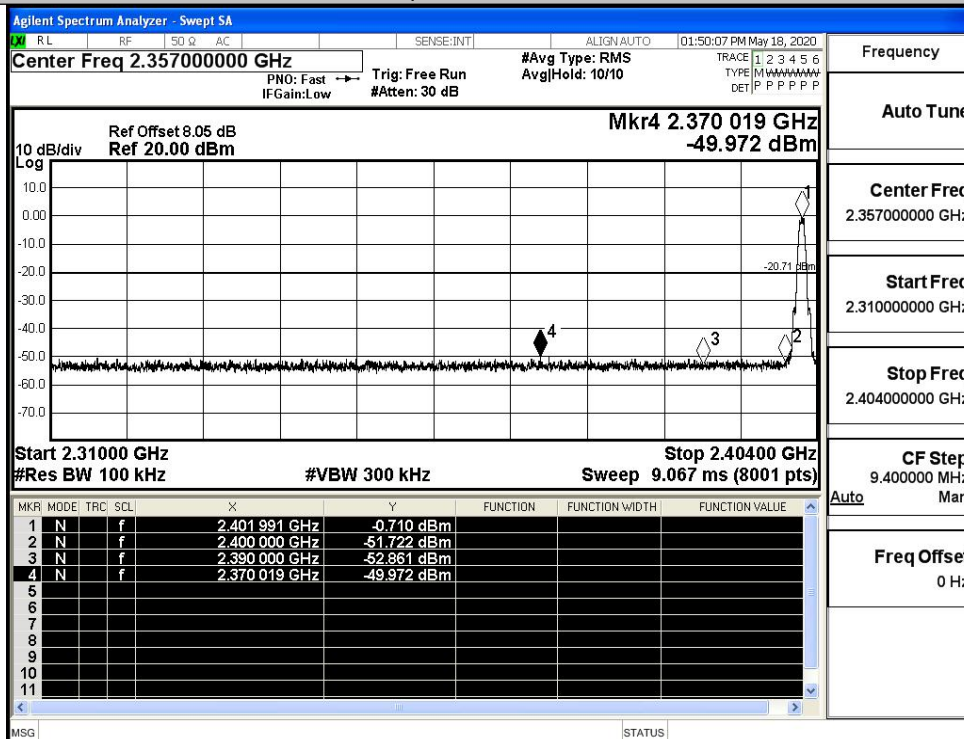


B.6 Band-edge for RF Conducted Emissions

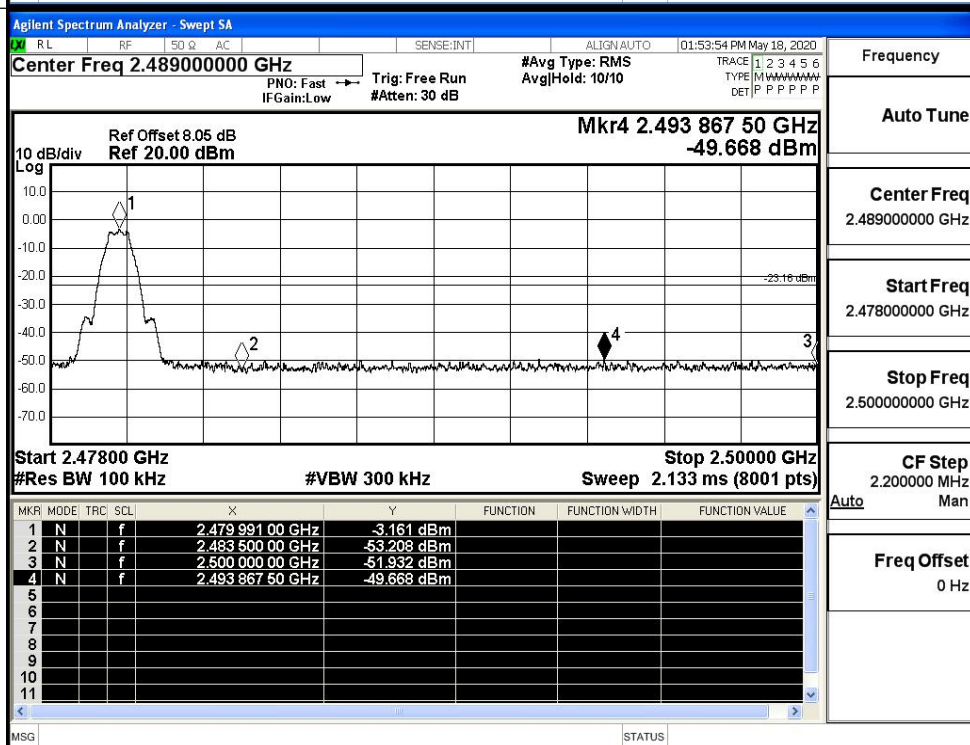
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.710	-49.972	-20.71	PASS
BT LE	HCH	-3.161	-49.668	-23.16	PASS

Test Graphs

LCH



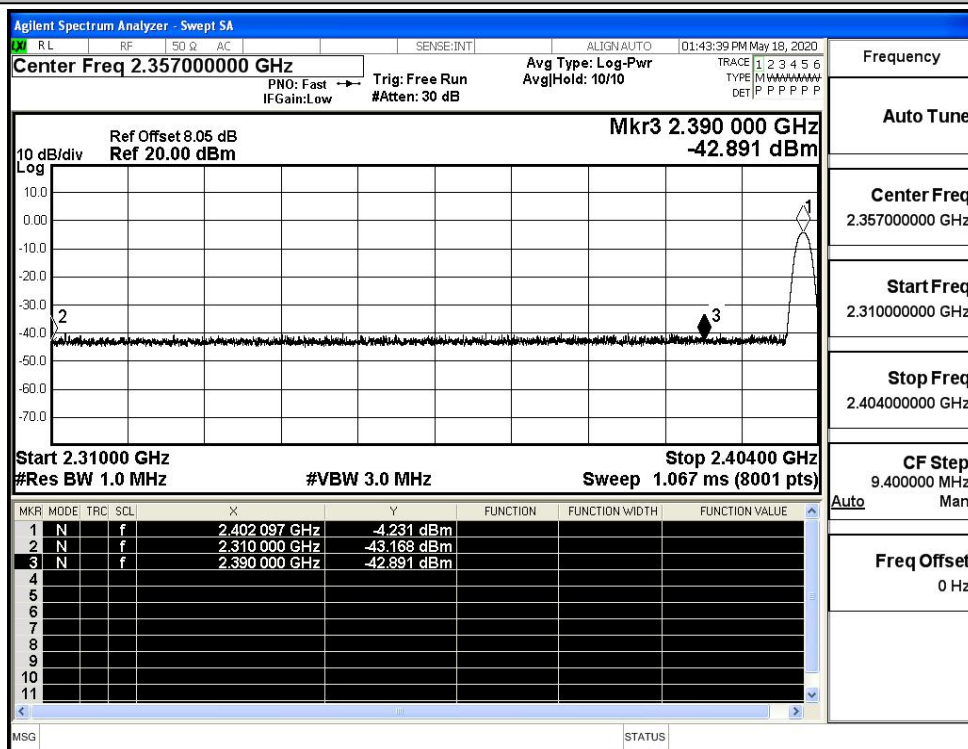
HCH



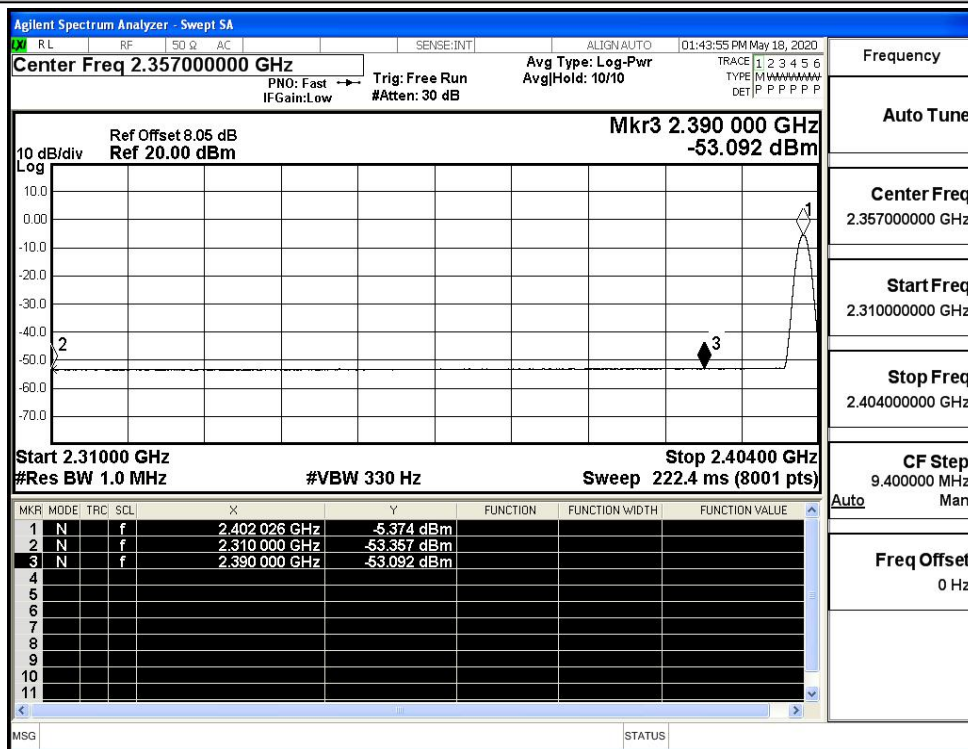
B.7 Restrict-band band-edge measurements

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	-43.17	2.0	0	54.09	PEAK	74	PASS
		Ant1	2310.0	-53.36	2.0	0	43.90	AV	54	PASS
		Ant1	2390.0	-42.89	2.0	0	54.37	PEAK	74	PASS
		Ant1	2390.0	-53.09	2.0	0	44.17	AV	54	PASS
	2480	Ant1	2483.5	-42.22	2.0	0	55.04	PEAK	74	PASS
		Ant1	2483.5	-52.62	2.0	0	44.64	AV	54	PASS
		Ant1	2500.0	-42.83	2.0	0	54.43	PEAK	74	PASS
		Ant1	2500.0	-52.37	2.0	0	44.89	AV	54	PASS

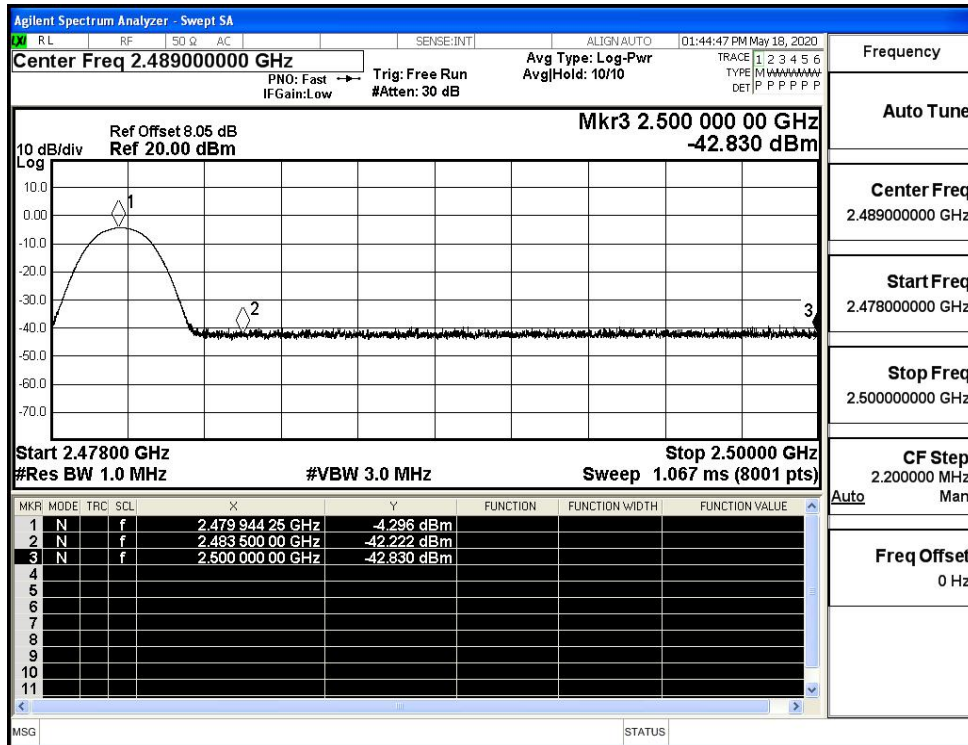
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

