

Appendix B

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

Product Name: TWS earbuds with case

Trade Mark: N/A

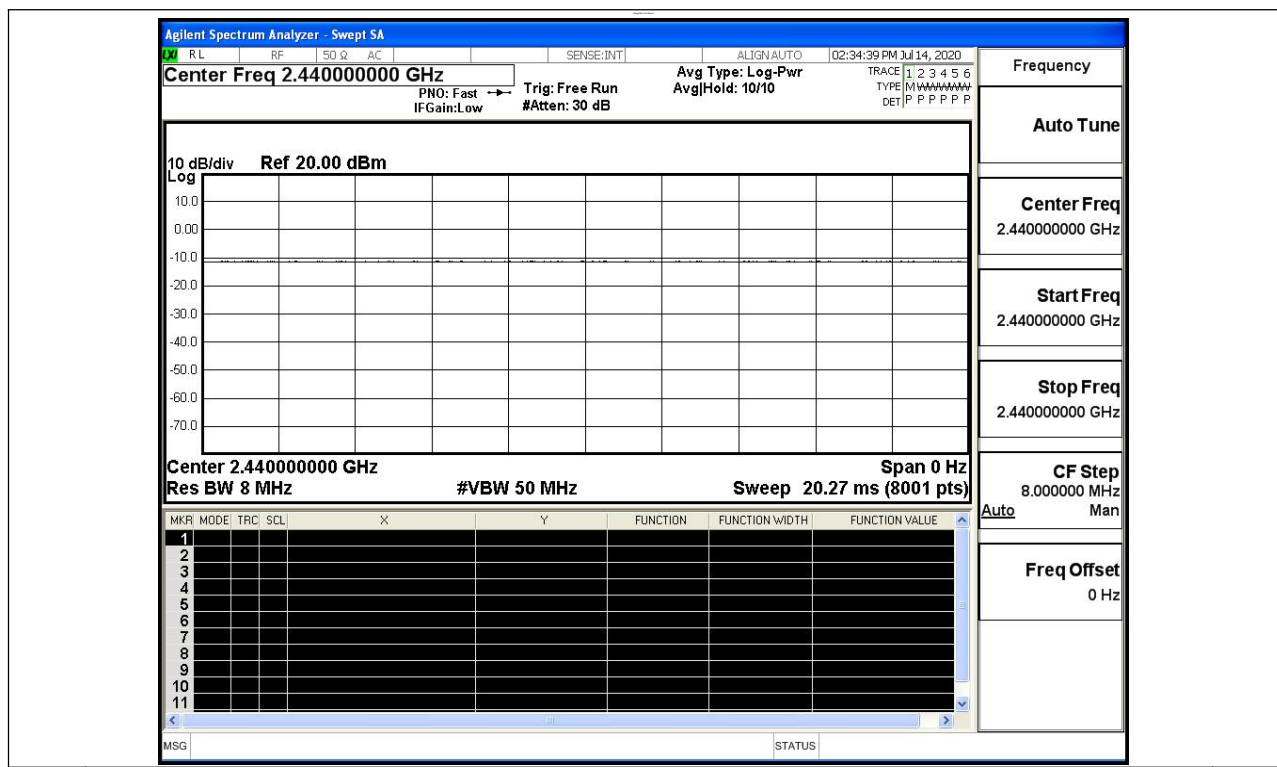
Test Model: 24628

Environmental Conditions

Temperature:	25.3° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

B.1 Duty Cycle

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

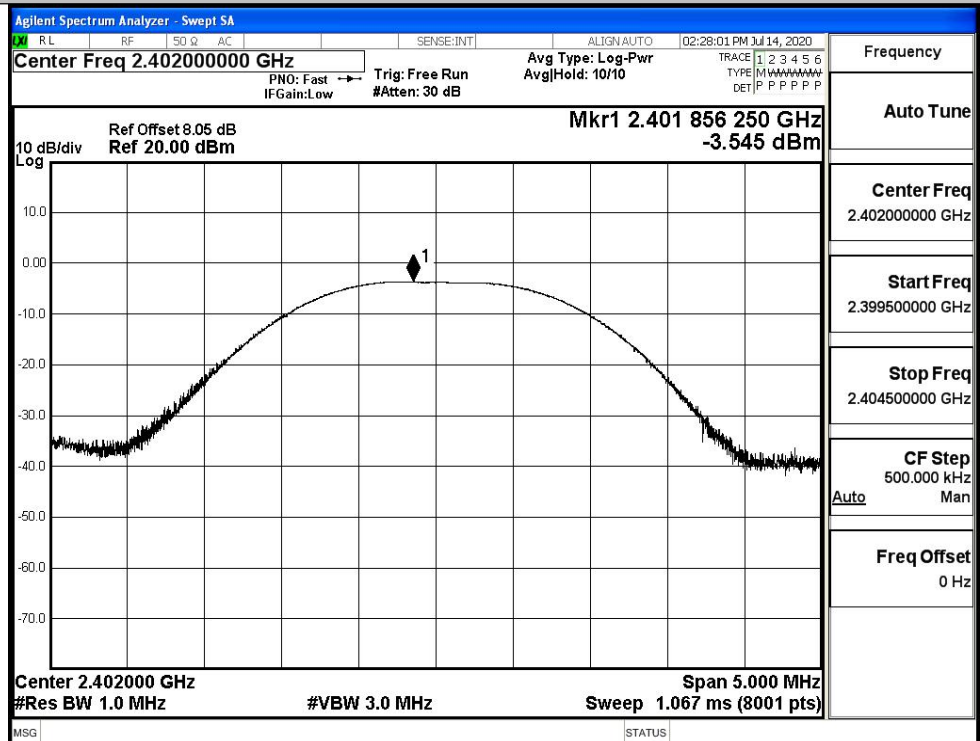


B.2 Maximum Conducted Peak Output Power

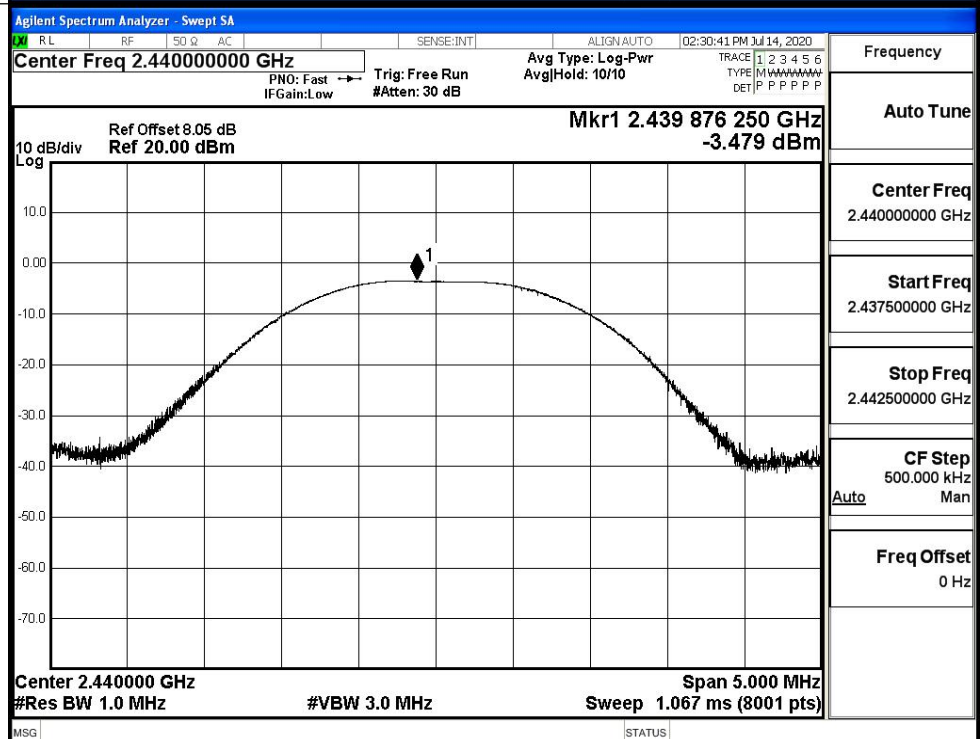
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.545	30	PASS
BT LE	MCH	-3.479	30	PASS
BT LE	HCH	-3.673	30	PASS

Test Graphs

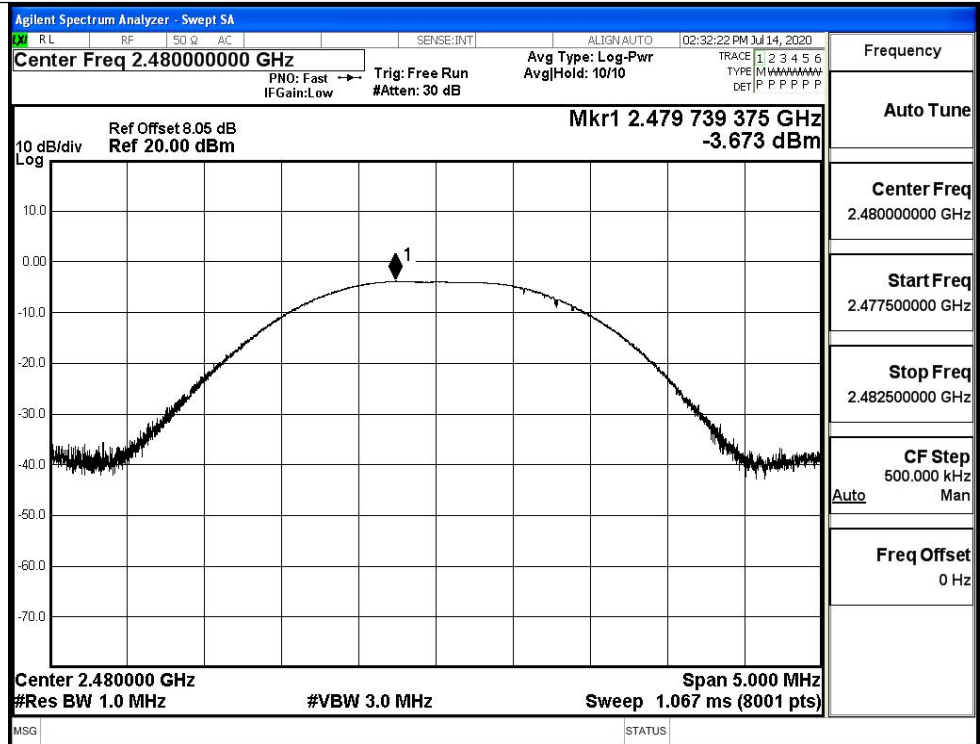
LCH



MCH



HCH

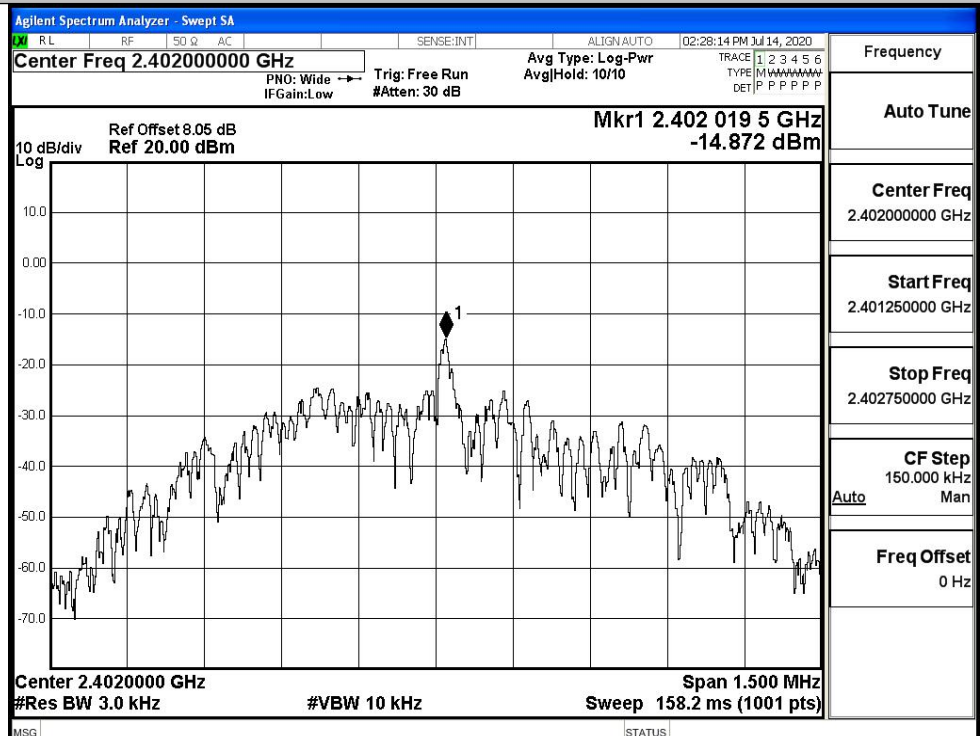


B.3 Maximum Power Spectral Density

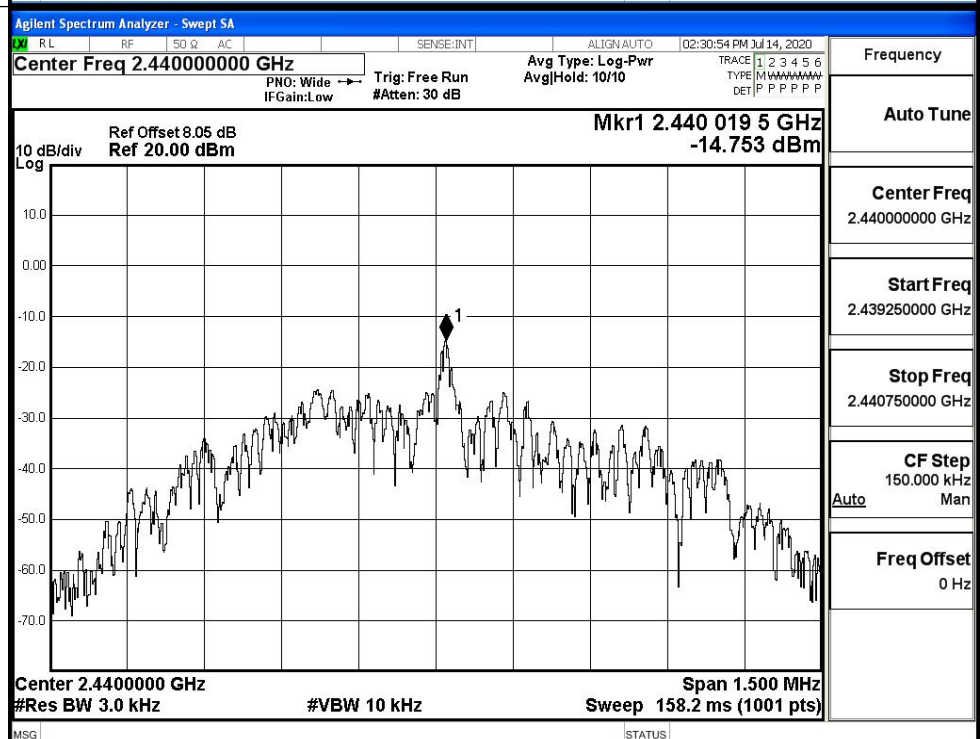
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.872	8	PASS
BT LE	MCH	-14.753	8	PASS
BT LE	HCH	-15.045	8	PASS

Test Graphs

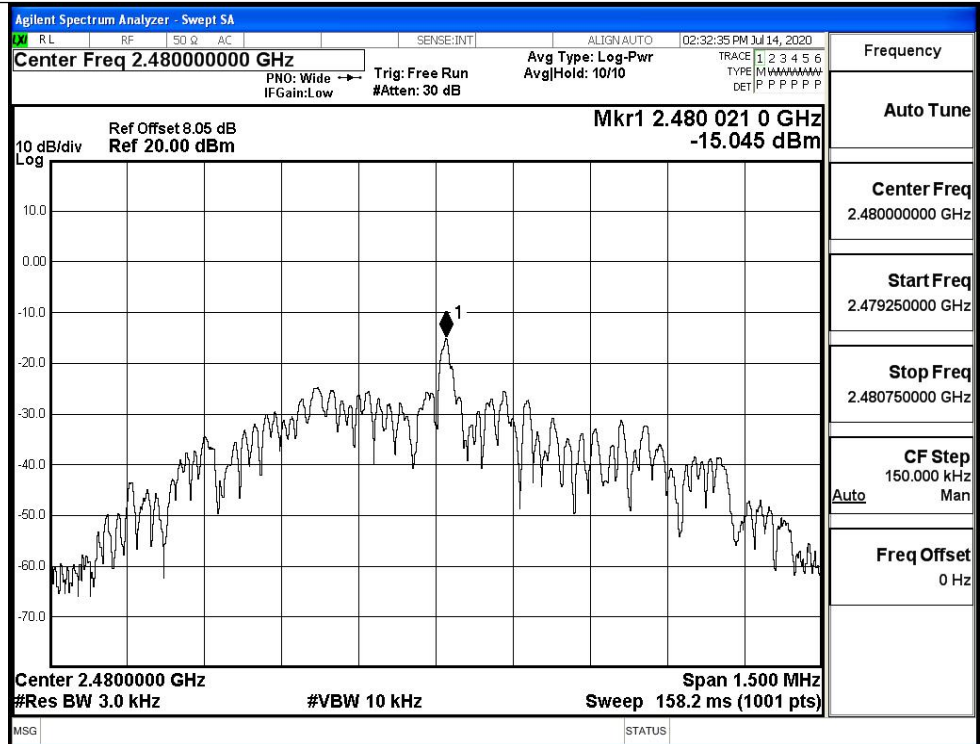
LCH



MCH



HCH

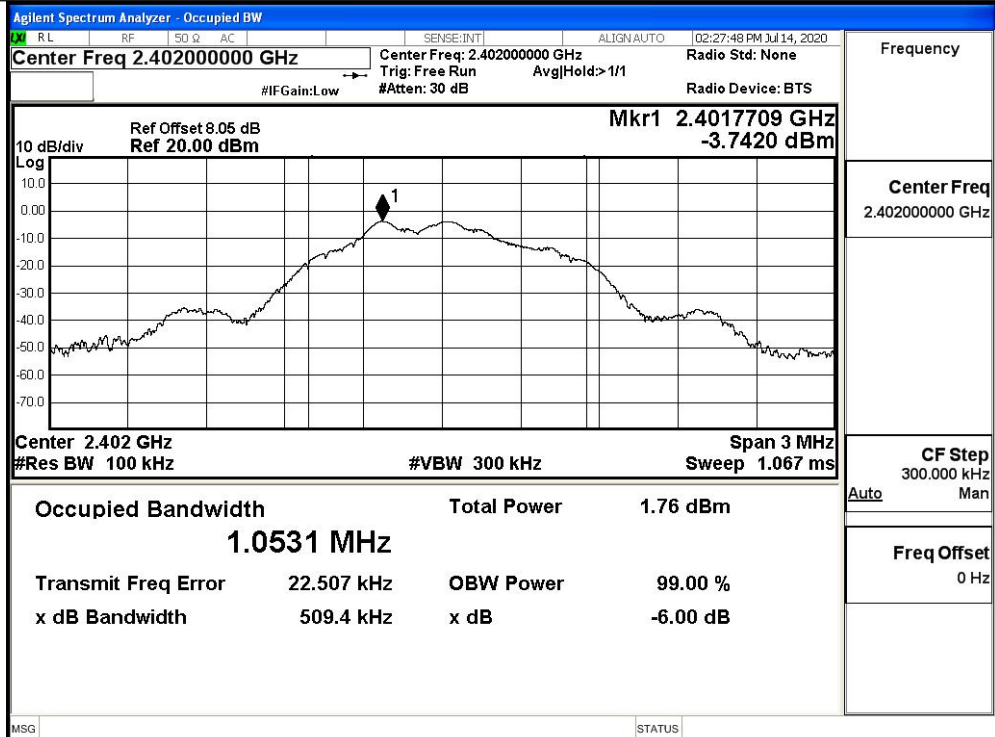


B.4 6dB Bandwidth

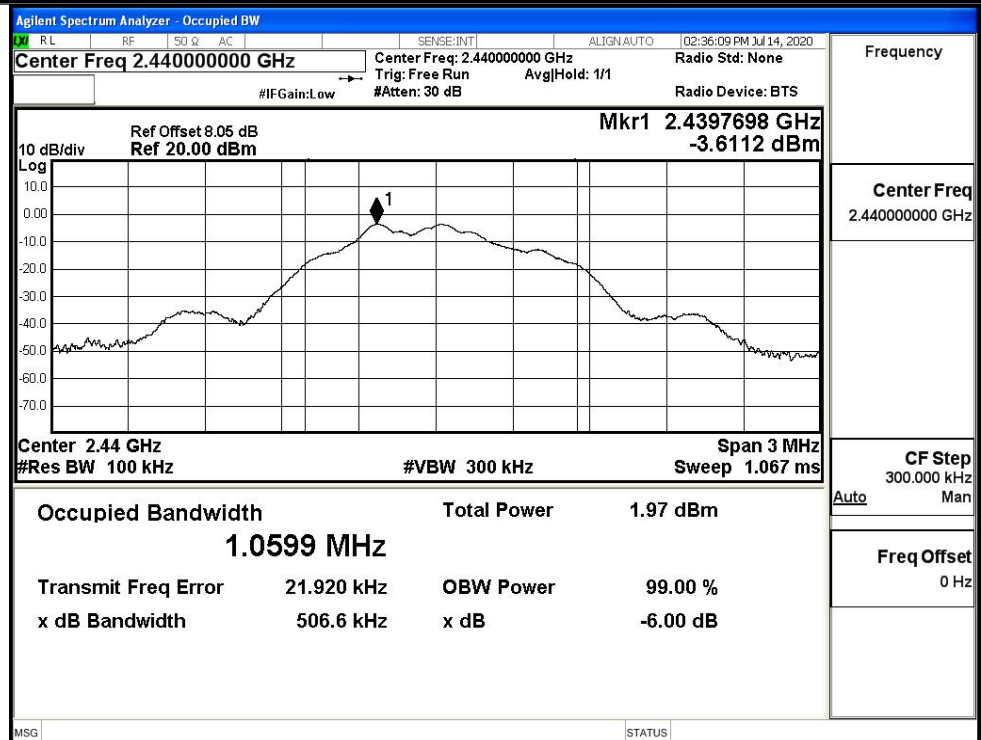
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.5094	≥ 0.5	PASS
BT LE	MCH	0.5066	≥ 0.5	PASS
BT LE	HCH	0.5041	≥ 0.5	PASS

Test Graphs

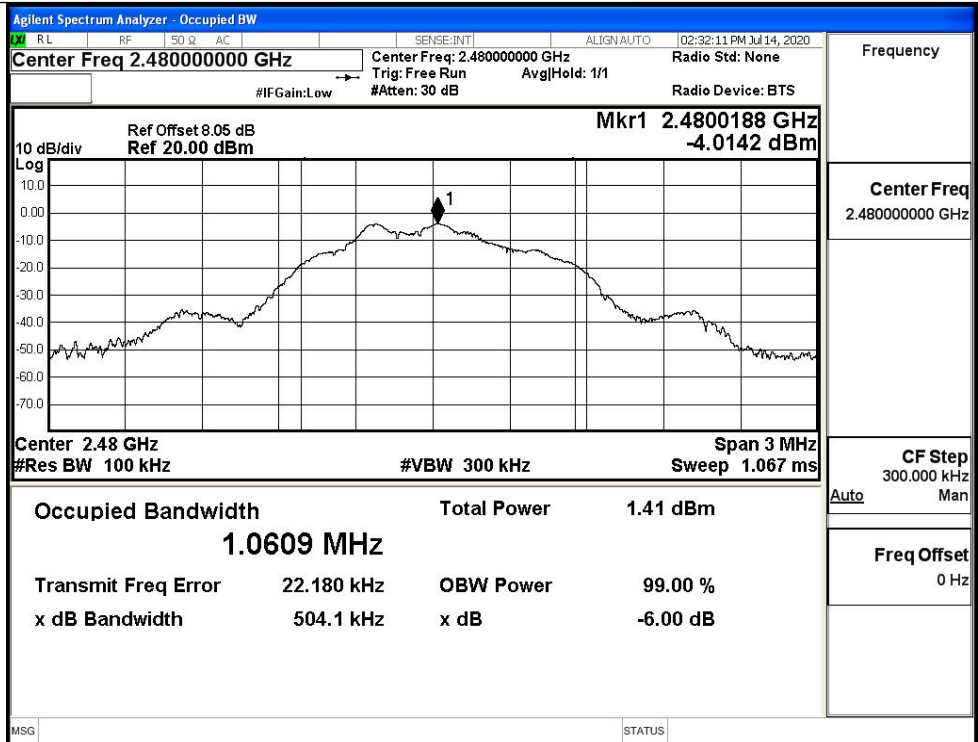
LCH



MCH



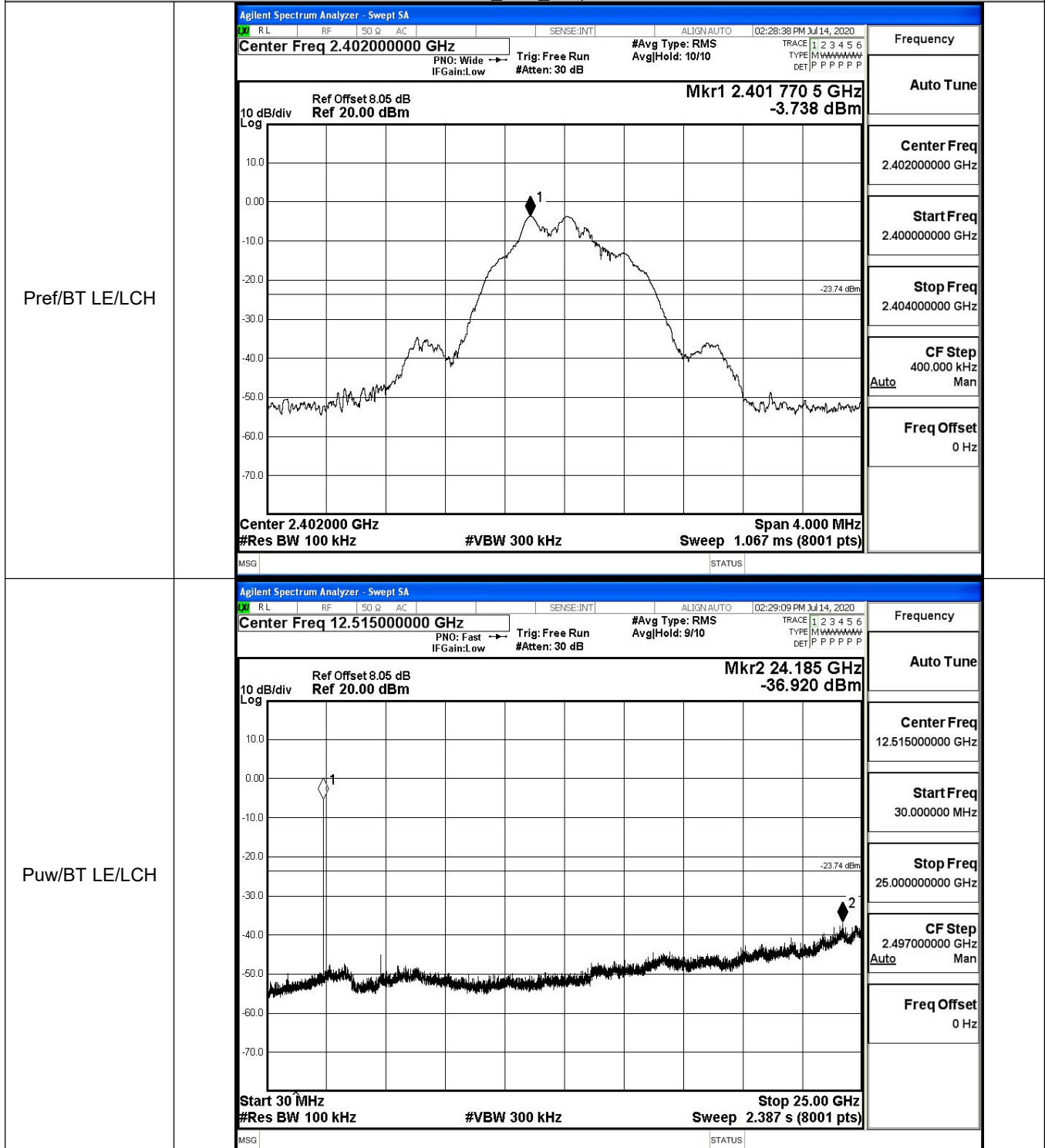
HCH



B.5 RF Conducted Spurious Emissions

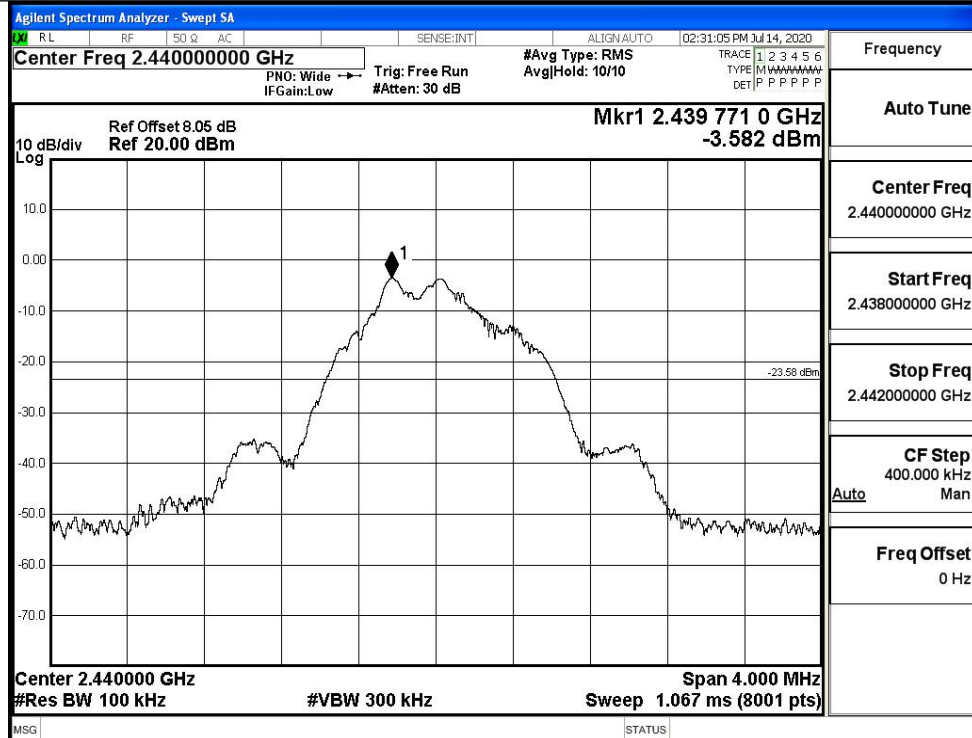
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.738	-36.920	-23.738	PASS
BT LE	MCH	-3.582	-37.195	-23.582	PASS
BT LE	HCH	-3.95	-37.112	-23.950	PASS

BT LE_LCH_Graphs

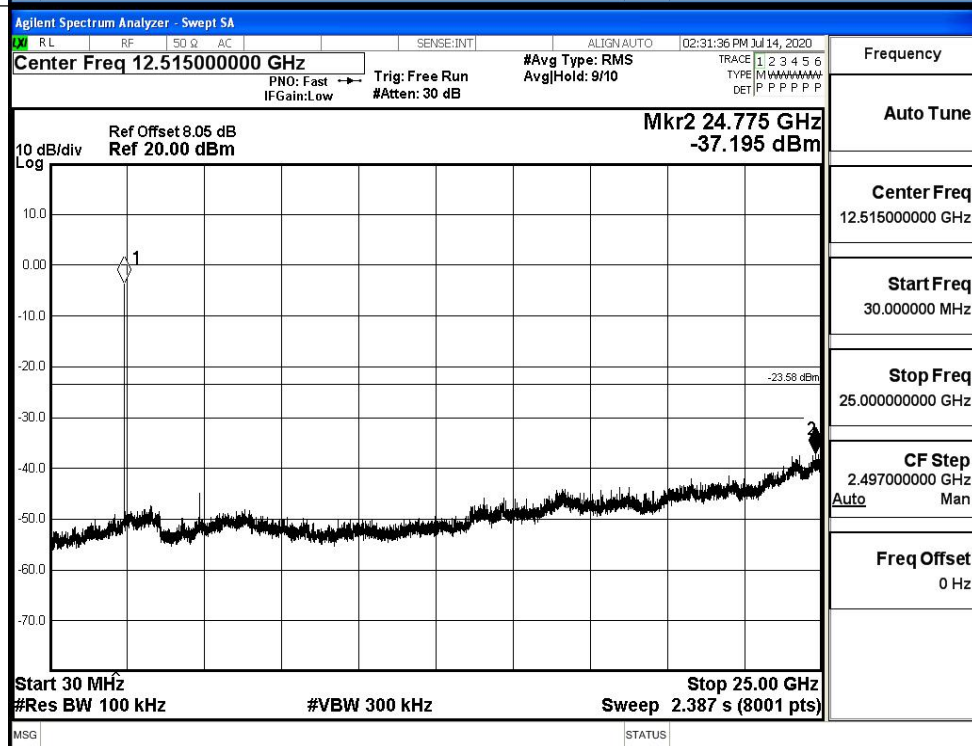


BT LE MCH Graphs

Pref/BT LE/MCH

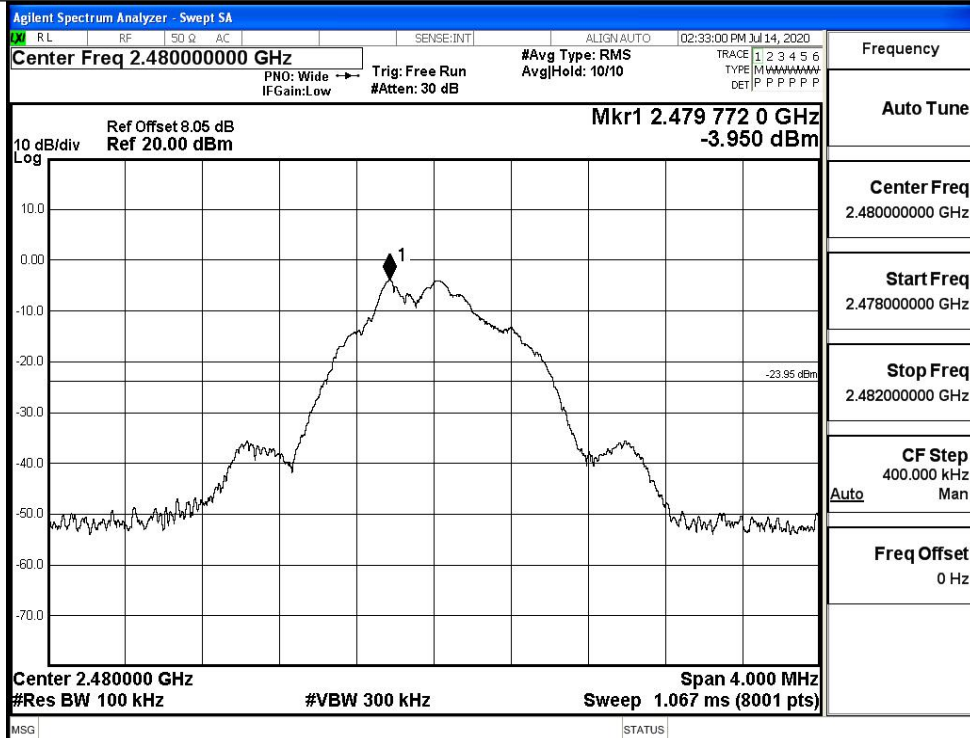


Puw/BT LE/MCH

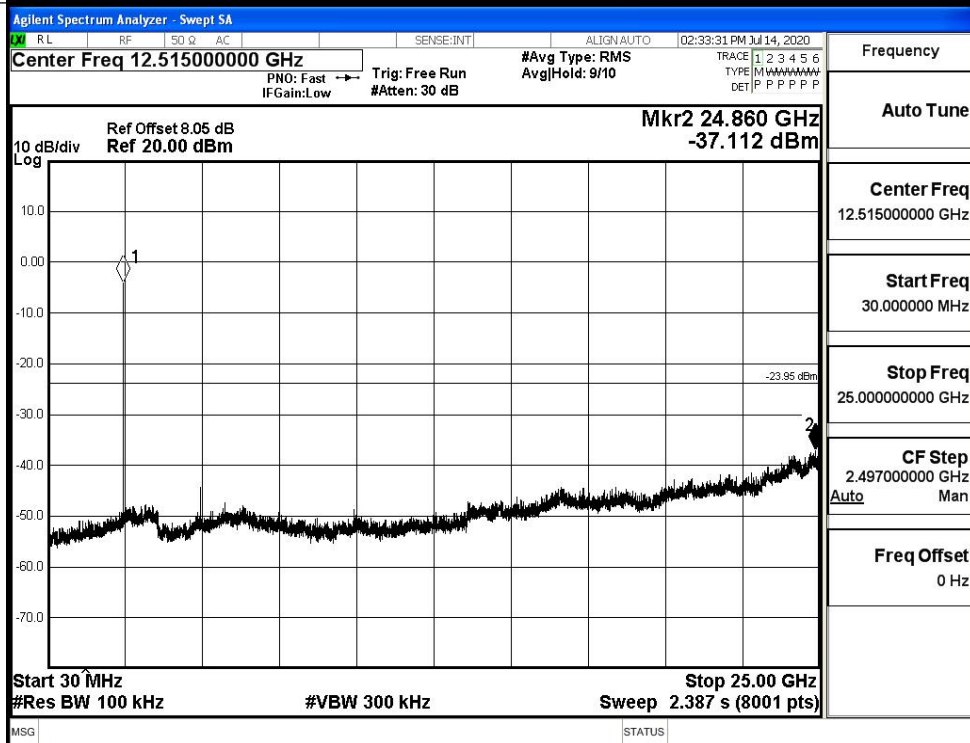


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

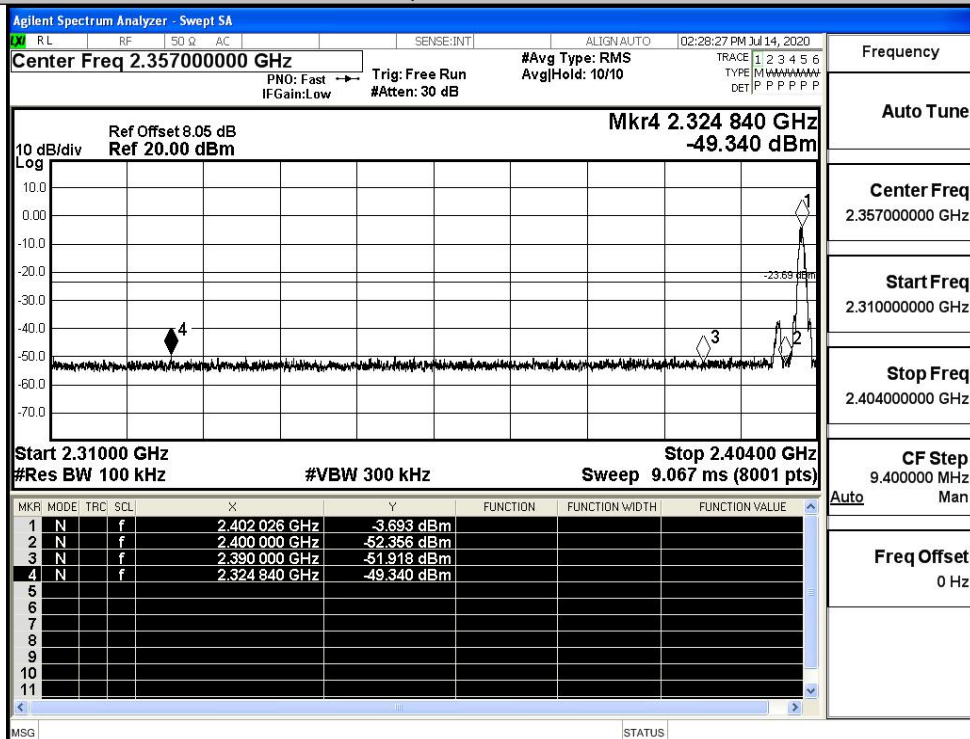


B.6 Band-edge for RF Conducted Emissions

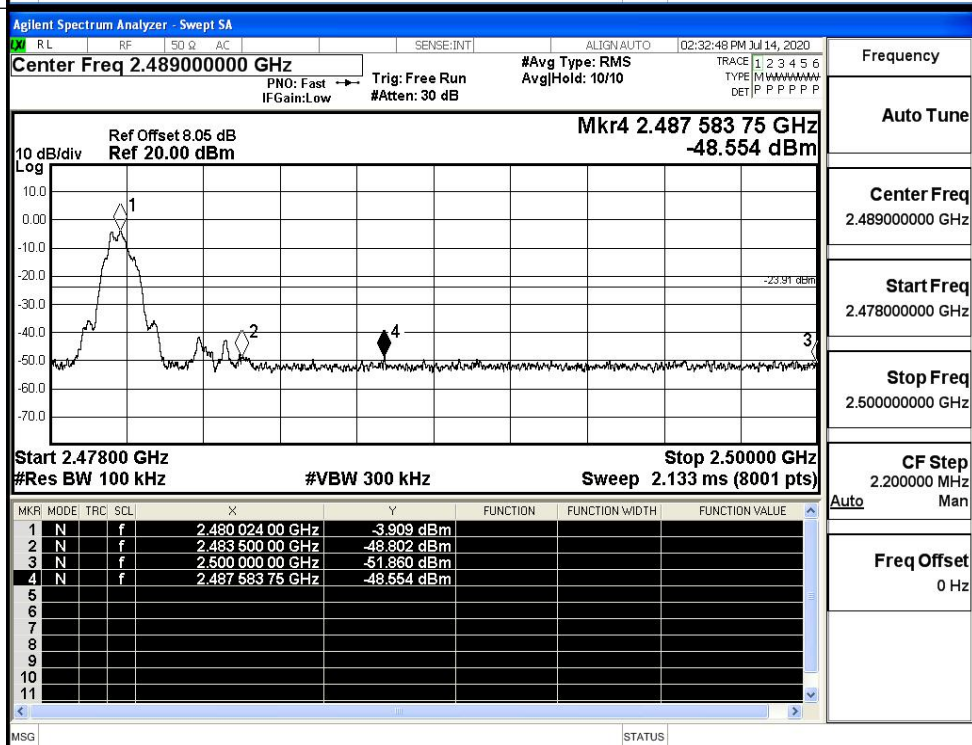
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.693	-49.340	-23.69	PASS
BT LE	HCH	-3.909	-48.554	-23.91	PASS

Test Graphs

LCH



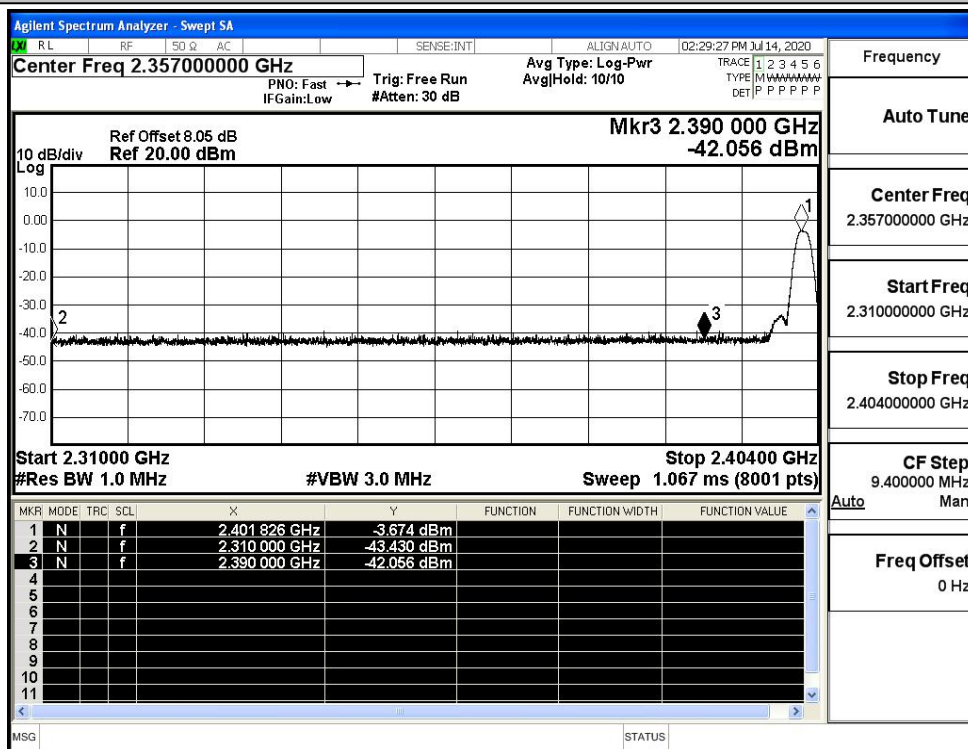
HCH



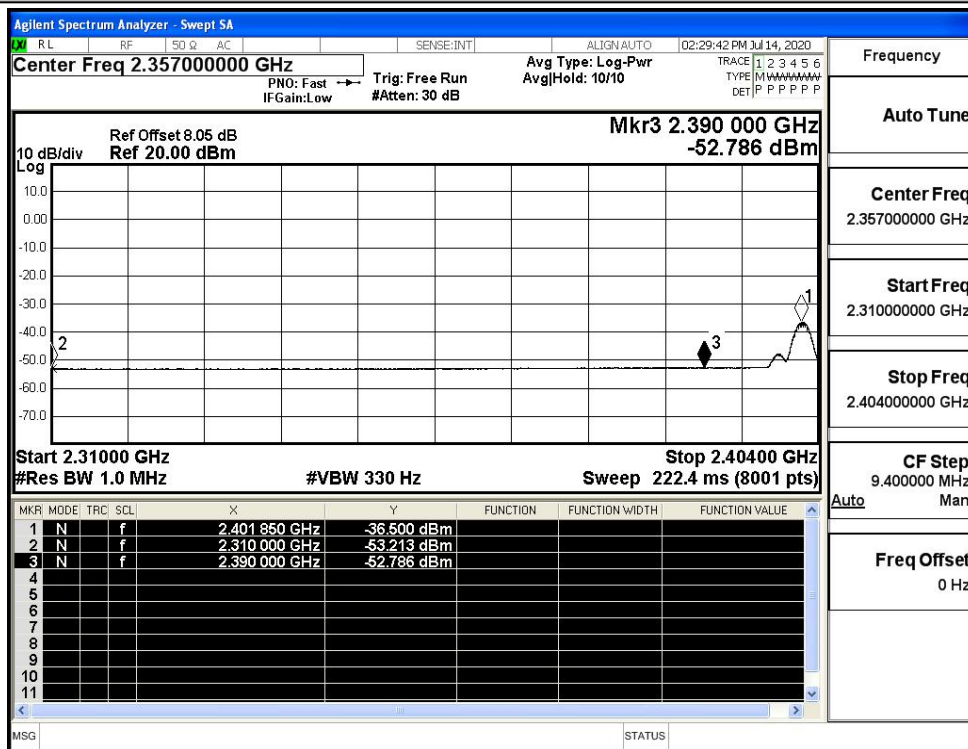
B.7 Restrict-band band-edge measurements

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	-43.43	2.0	0	51.83	PEAK	74	PASS
		Ant1	2310.0	-53.21	2.0	0	42.04	AV	54	PASS
		Ant1	2390.0	-42.06	2.0	0	53.20	PEAK	74	PASS
		Ant1	2390.0	-52.79	2.0	0	42.47	AV	54	PASS
	2480	Ant1	2483.5	-39.83	2.0	0	55.43	PEAK	74	PASS
		Ant1	2483.5	-51.24	2.0	0	44.02	AV	54	PASS
		Ant1	2500.0	-42.06	2.0	0	53.20	PEAK	74	PASS
		Ant1	2500.0	-52.20	2.0	0	43.06	AV	54	PASS

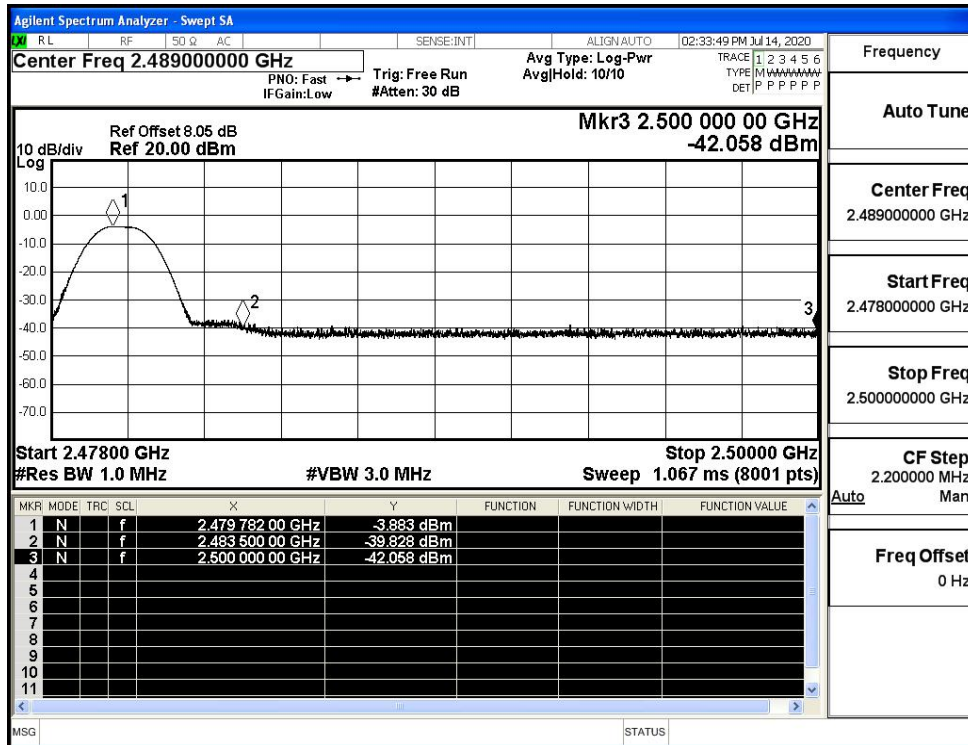
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

