

Appendix B

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

Product Name: VAPOR TRUE WIRELESS EARBUDS

Trade Mark: N/A

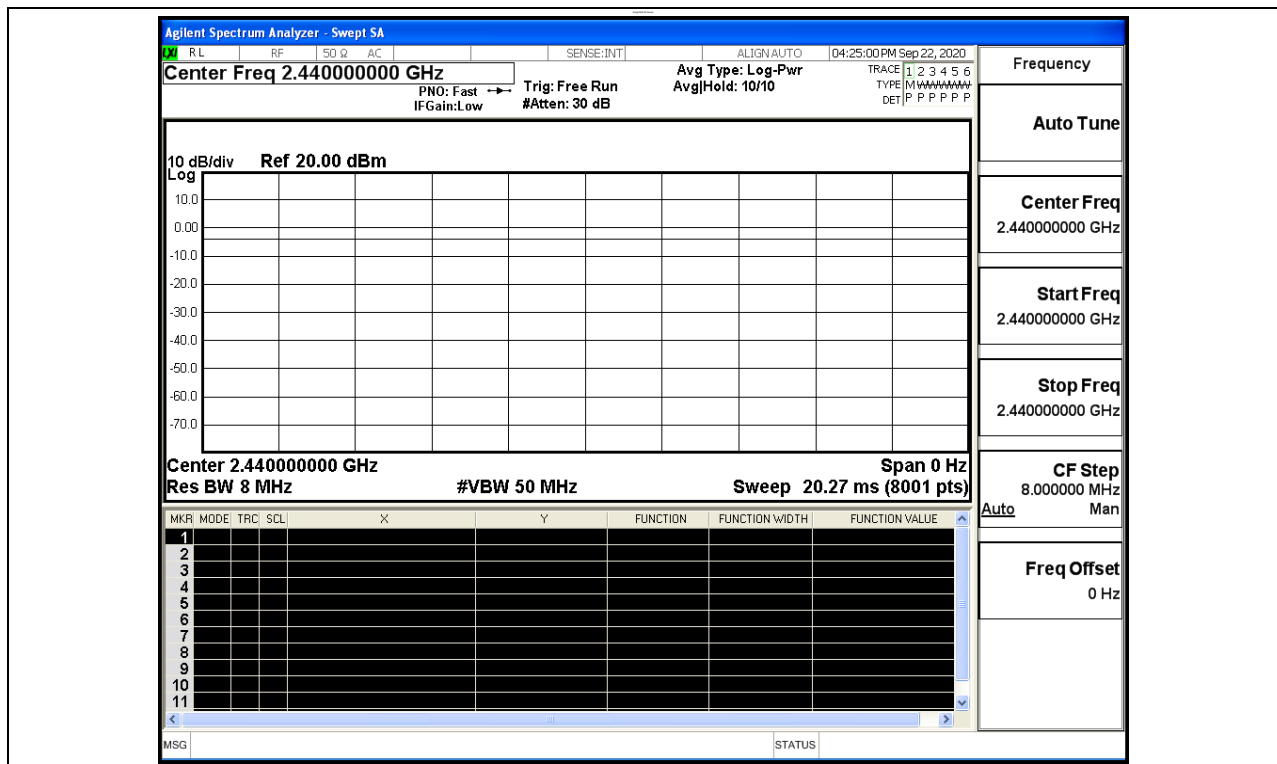
Test Model: PATW-1005-BK

Environmental Conditions

Temperature:	22.5°C
Relative Humidity:	51.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Jam Zheng
Supervised by:	Li Huan

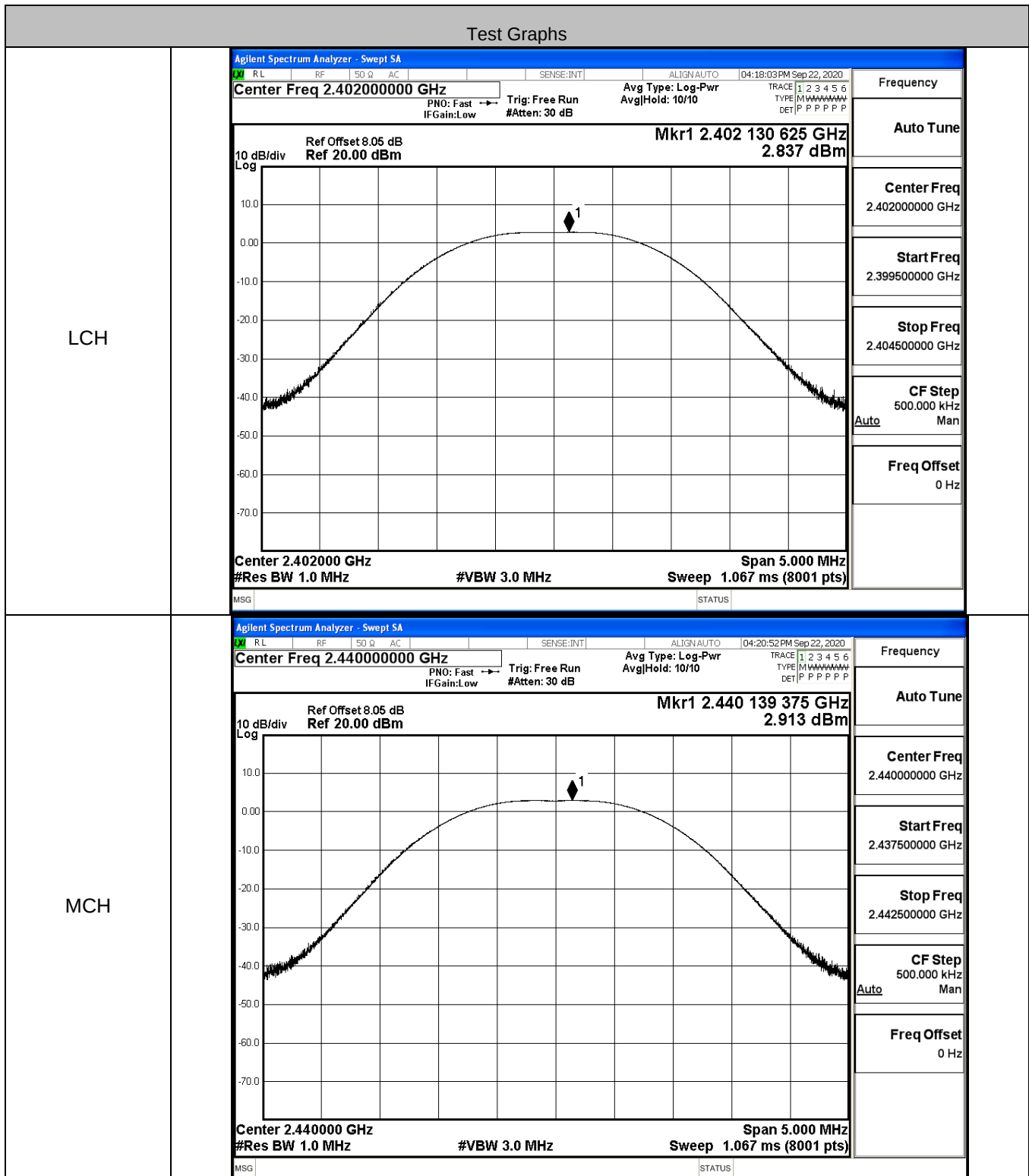
B.1 Duty Cycle

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

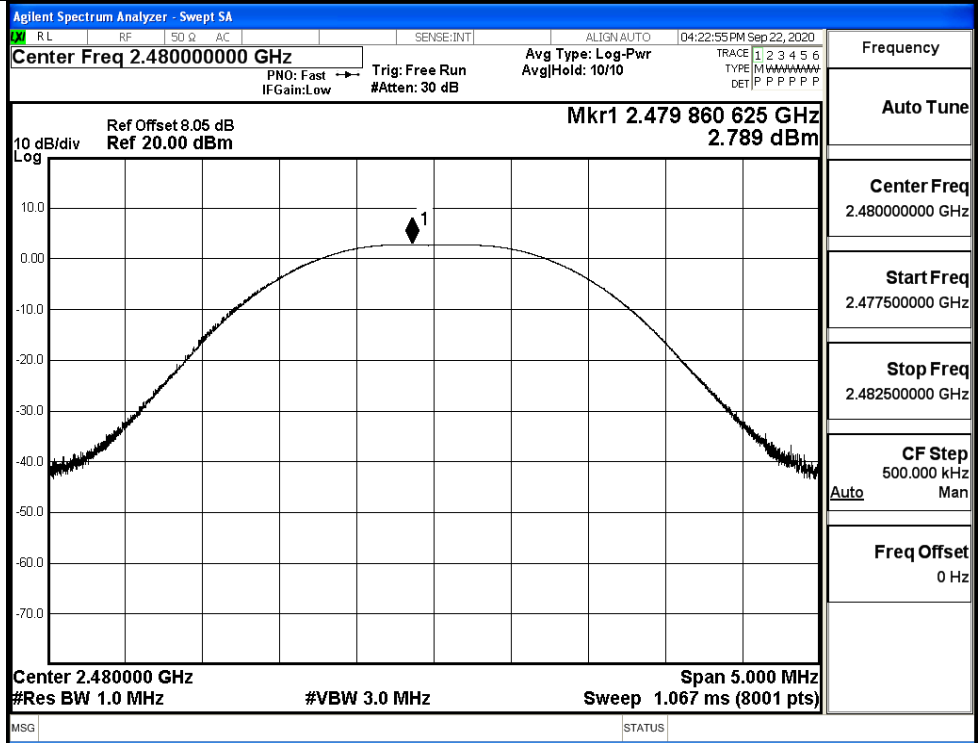


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.837	30	PASS
BT LE	MCH	2.913	30	PASS
BT LE	HCH	2.789	30	PASS



HCH

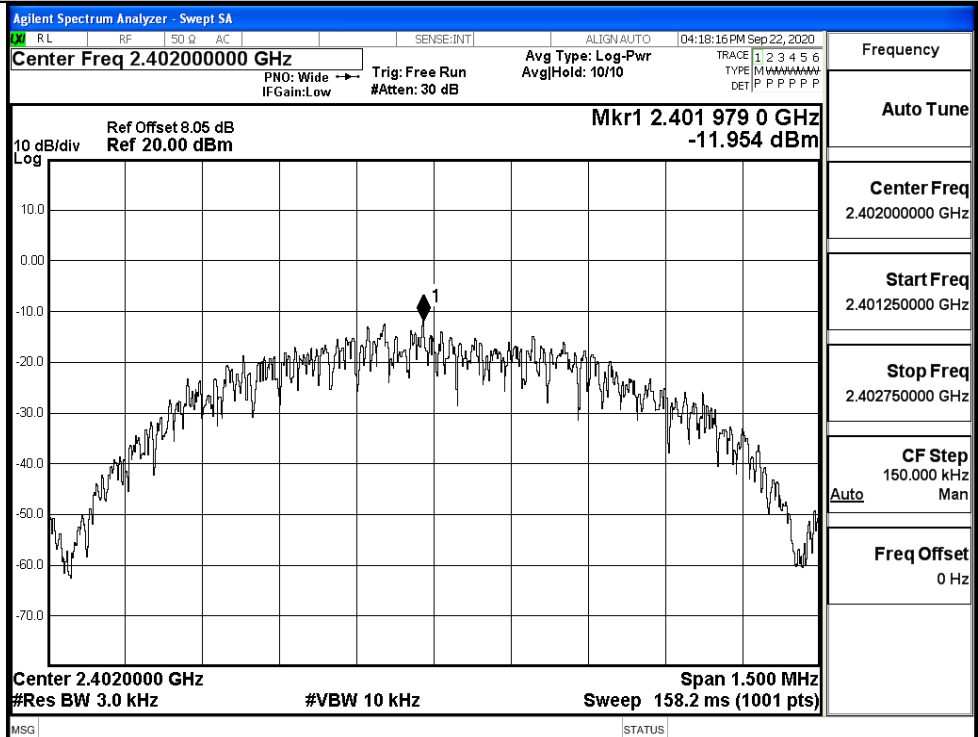


B.3 Maximum Power Spectral Density

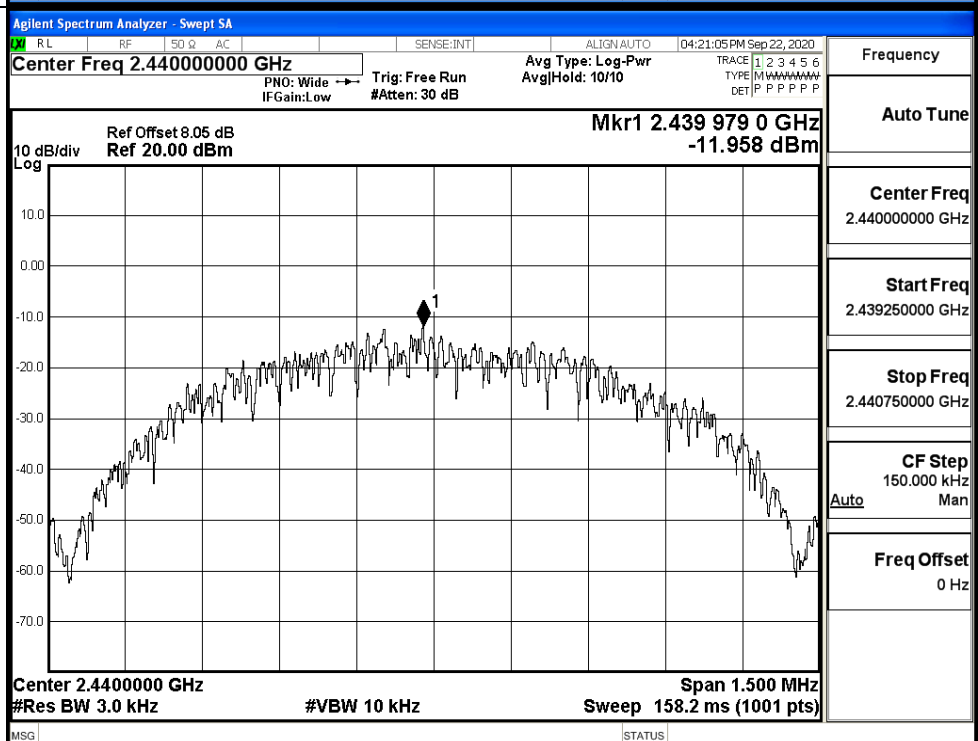
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.954	8	PASS
BT LE	MCH	-11.958	8	PASS
BT LE	HCH	-12.053	8	PASS

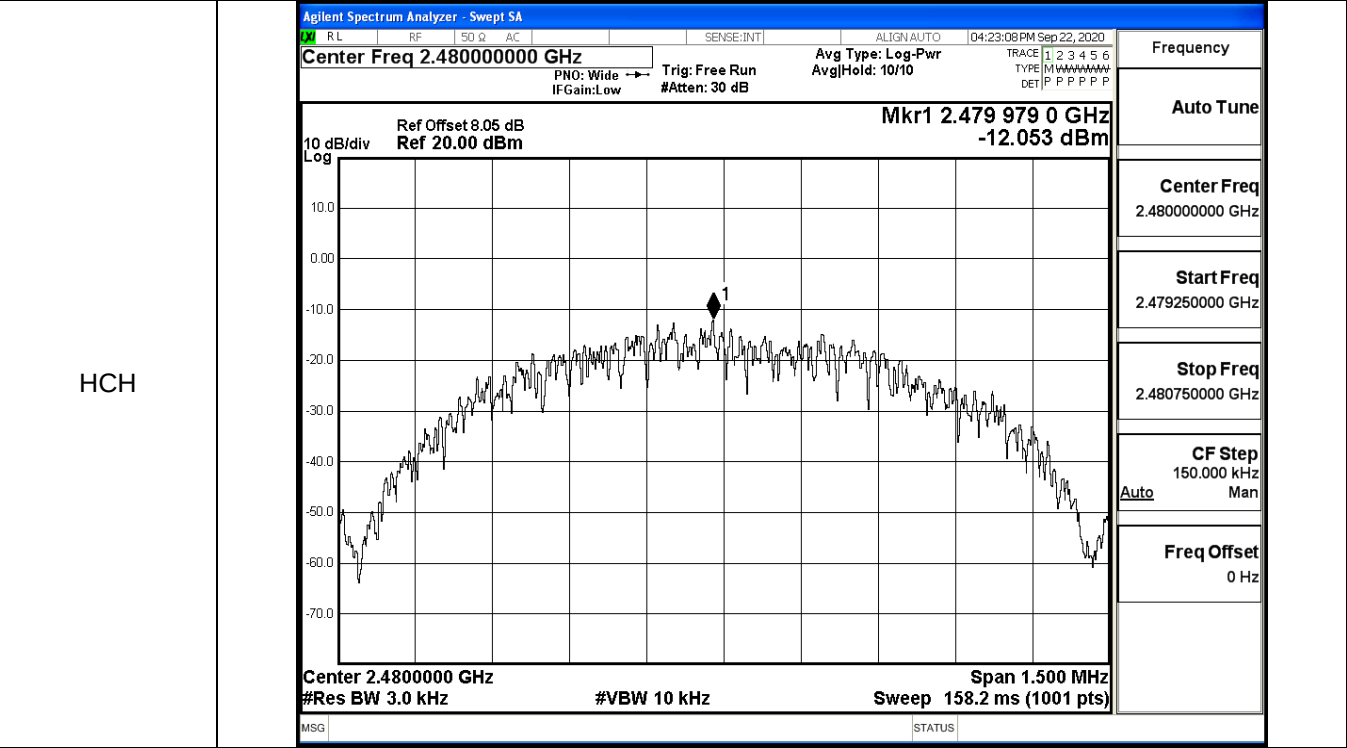
Test Graphs

LCH



MCH



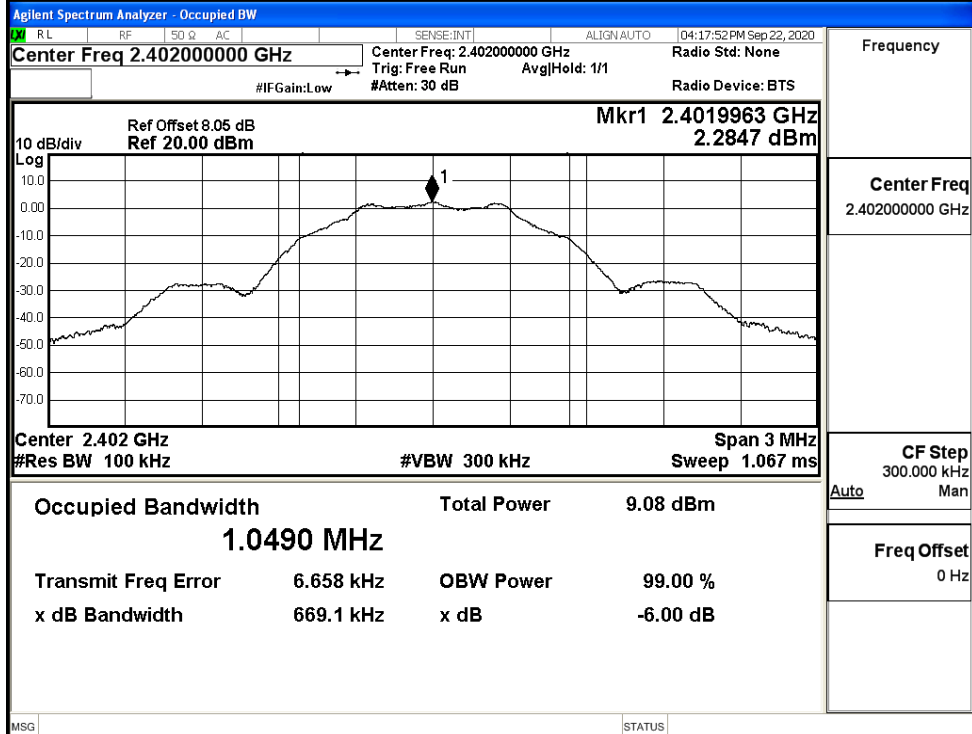


B.4 6dB Bandwidth

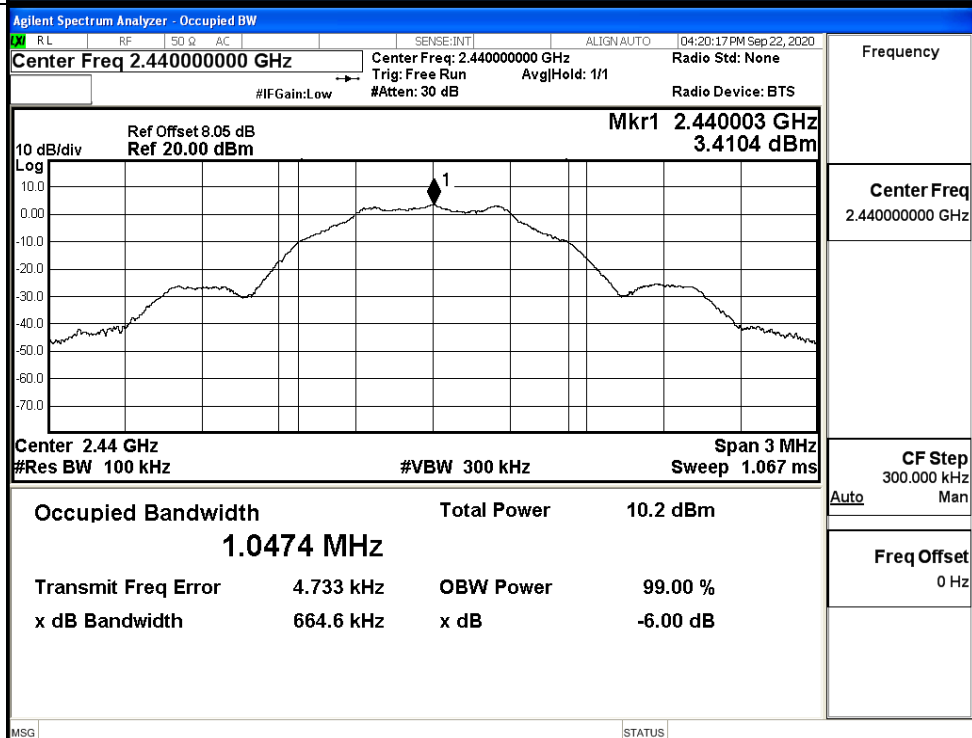
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6691	≥ 0.5	PASS
BT LE	MCH	0.6646	≥ 0.5	PASS
BT LE	HCH	0.6641	≥ 0.5	PASS

Test Graphs

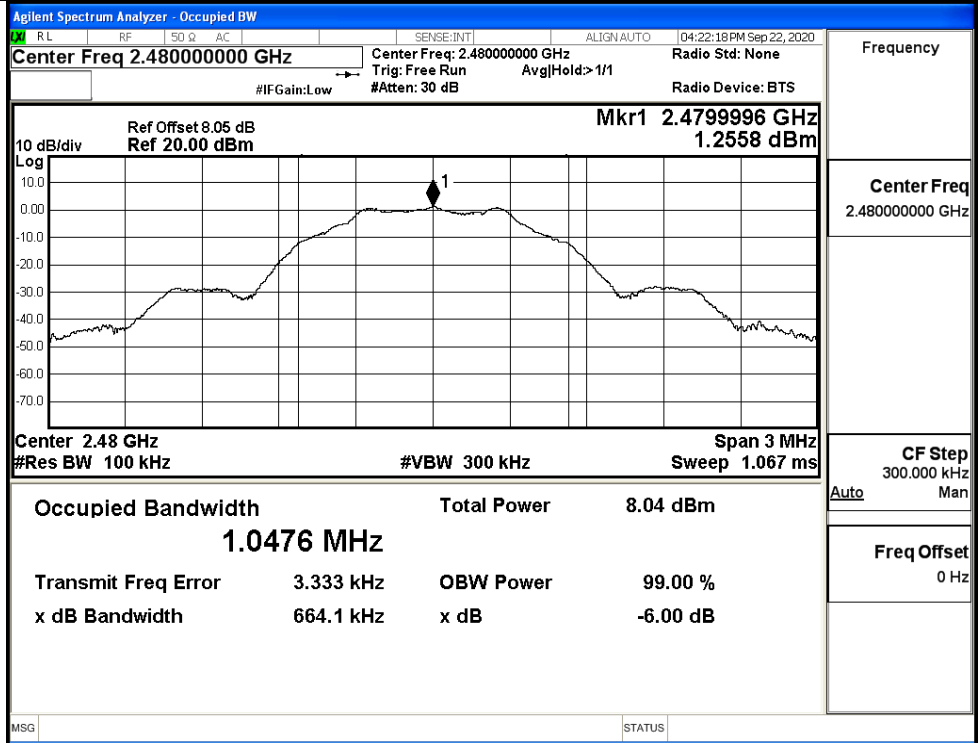
LCH



MCH

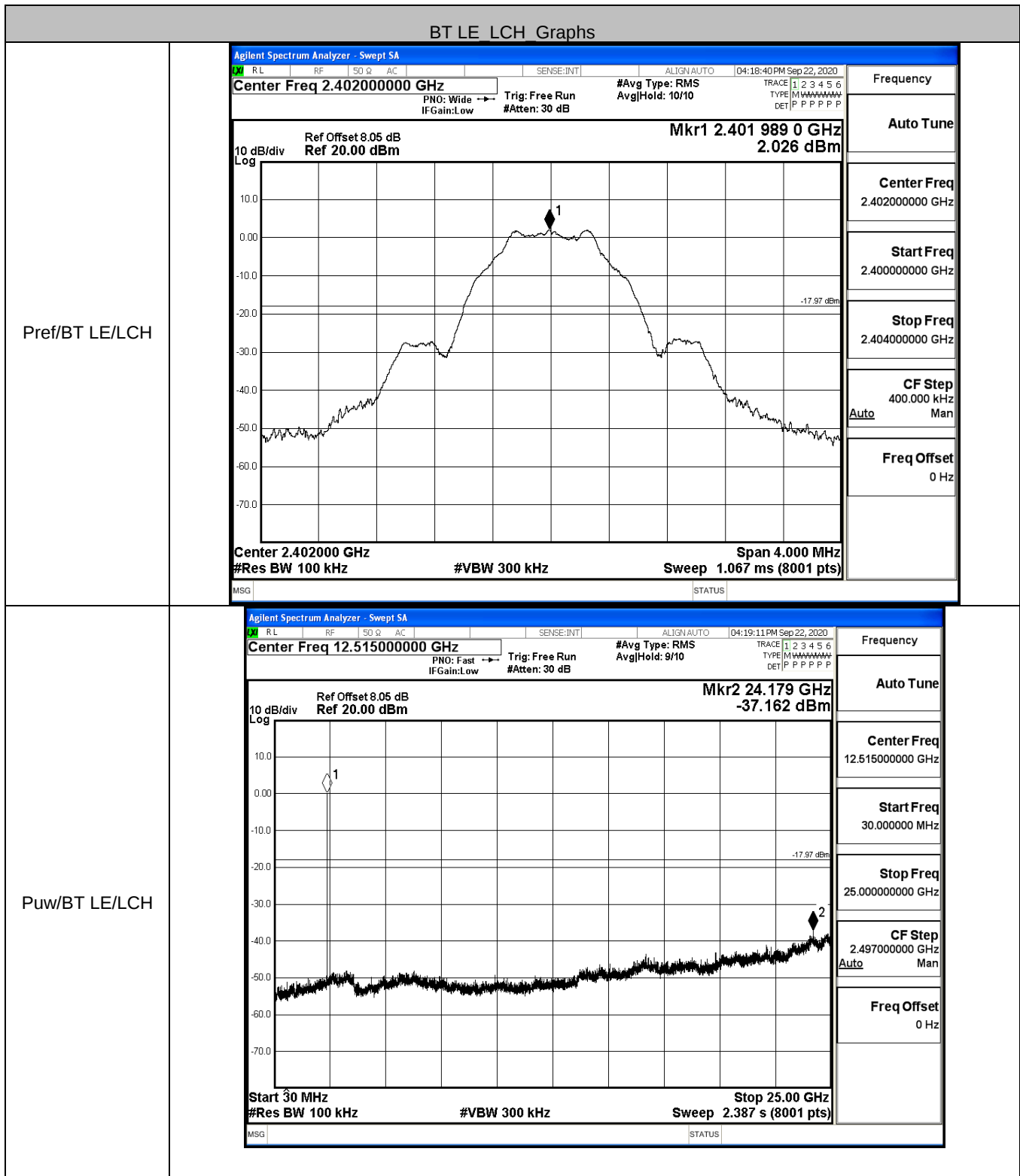


HCH



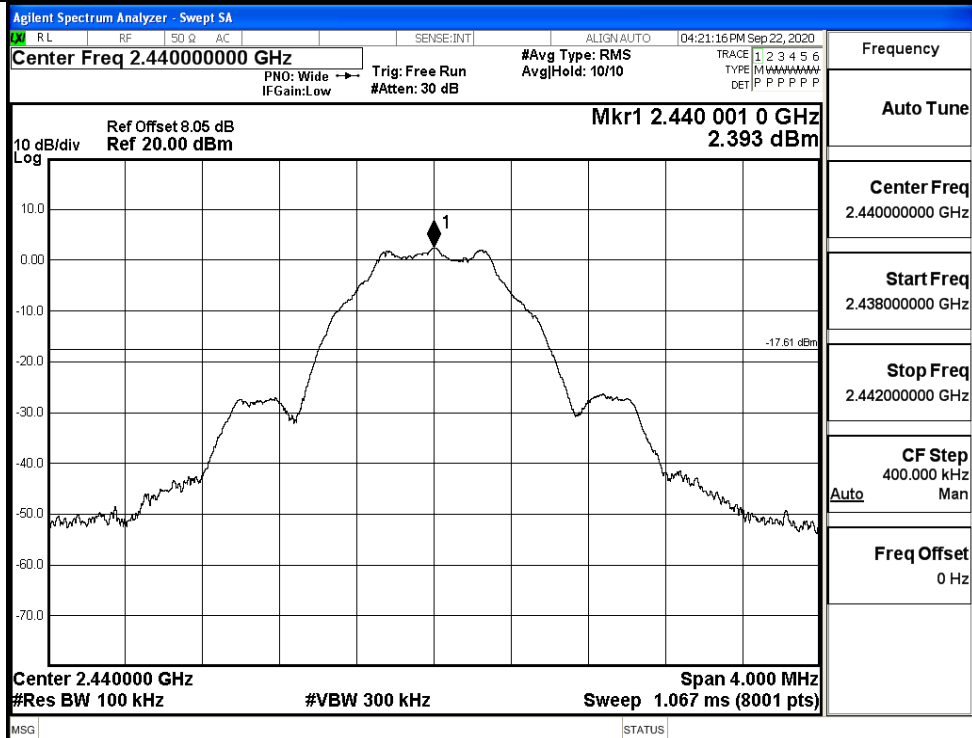
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.026	-37.162	-17.974	PASS
BT LE	MCH	2.393	-36.736	-17.607	PASS
BT LE	HCH	2.258	-37.555	-17.742	PASS

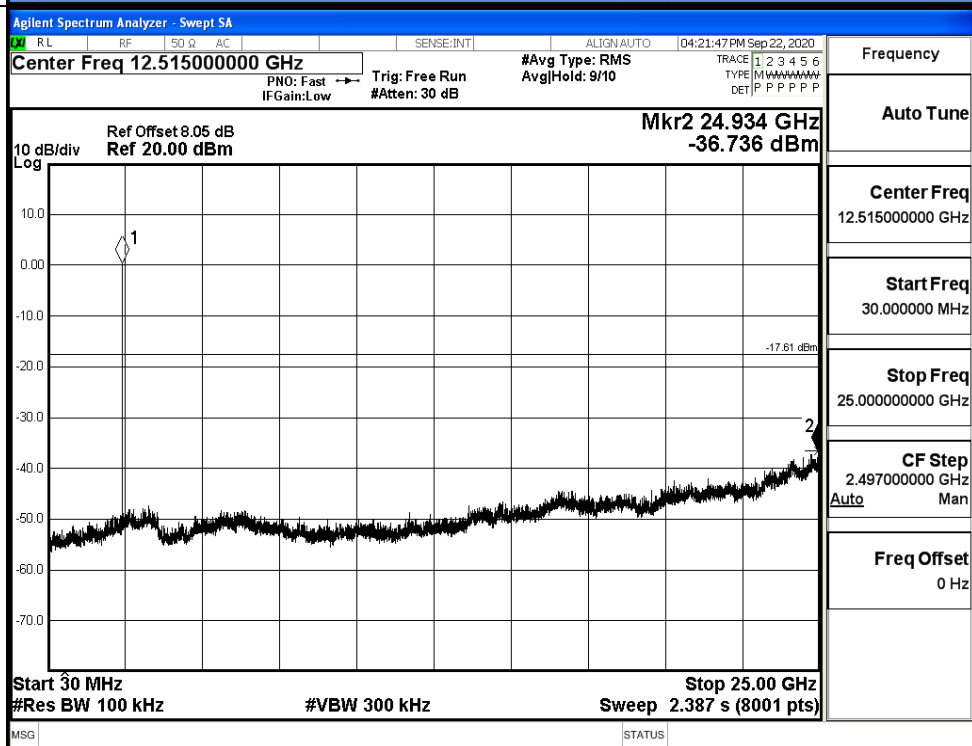


BT LE MCH Graphs

Pref/BT LE/MCH

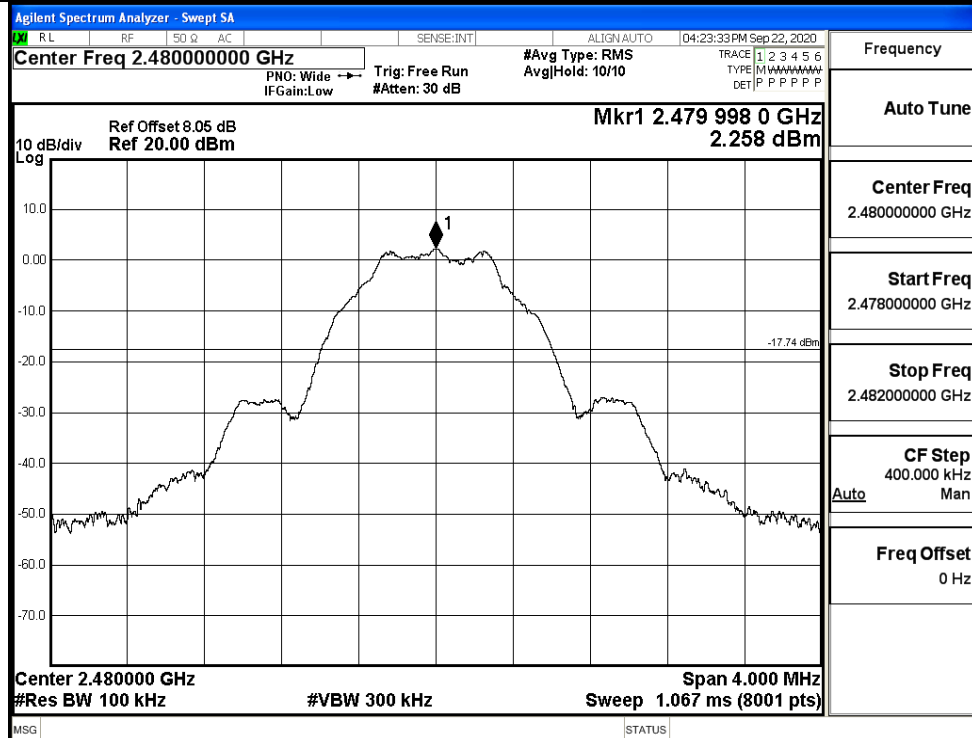


Puw/BT LE/MCH

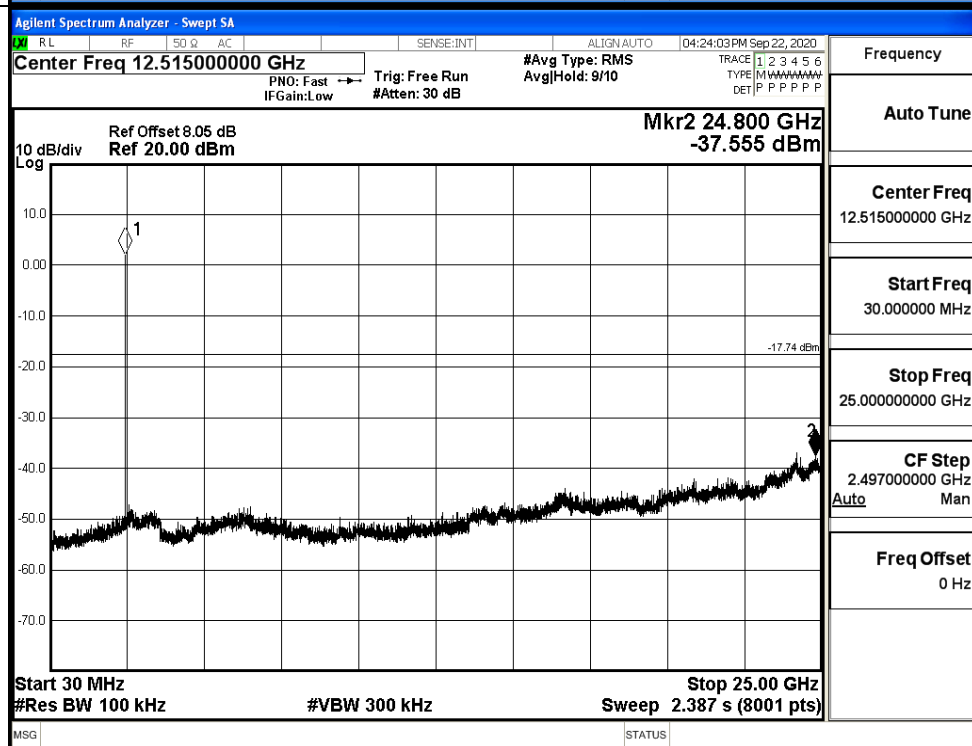


BT LE HCH Graphs

Pref/BT LE/HCH

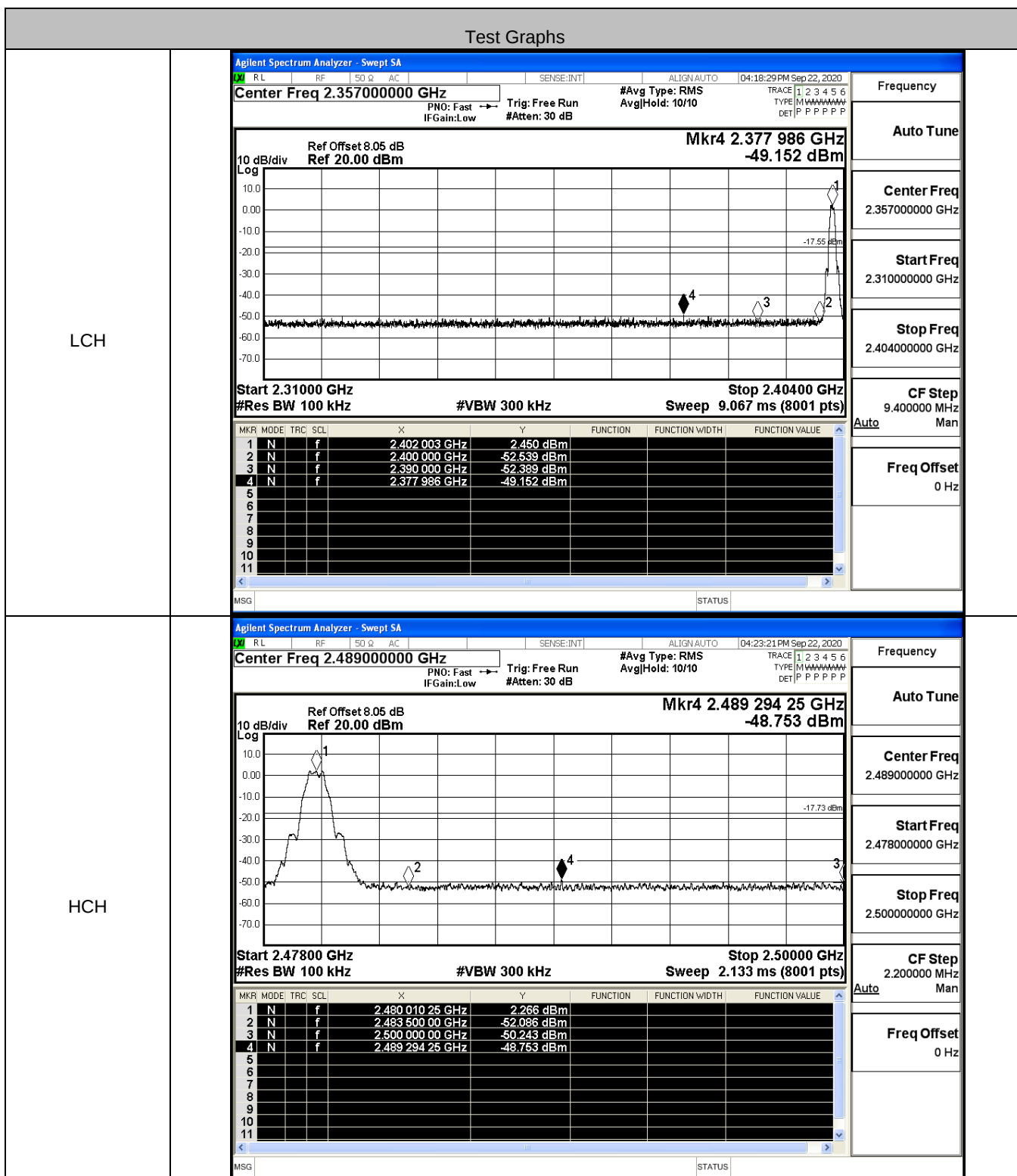


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

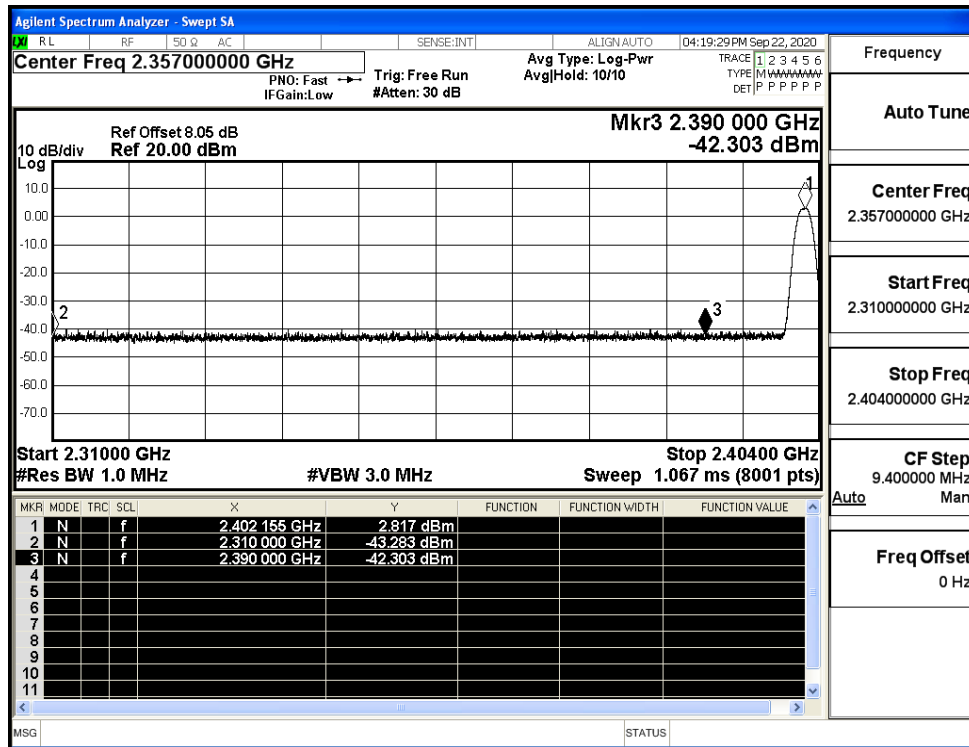
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.450	-49.152	-17.55	PASS
BT LE	HCH	2.266	-48.753	-17.73	PASS



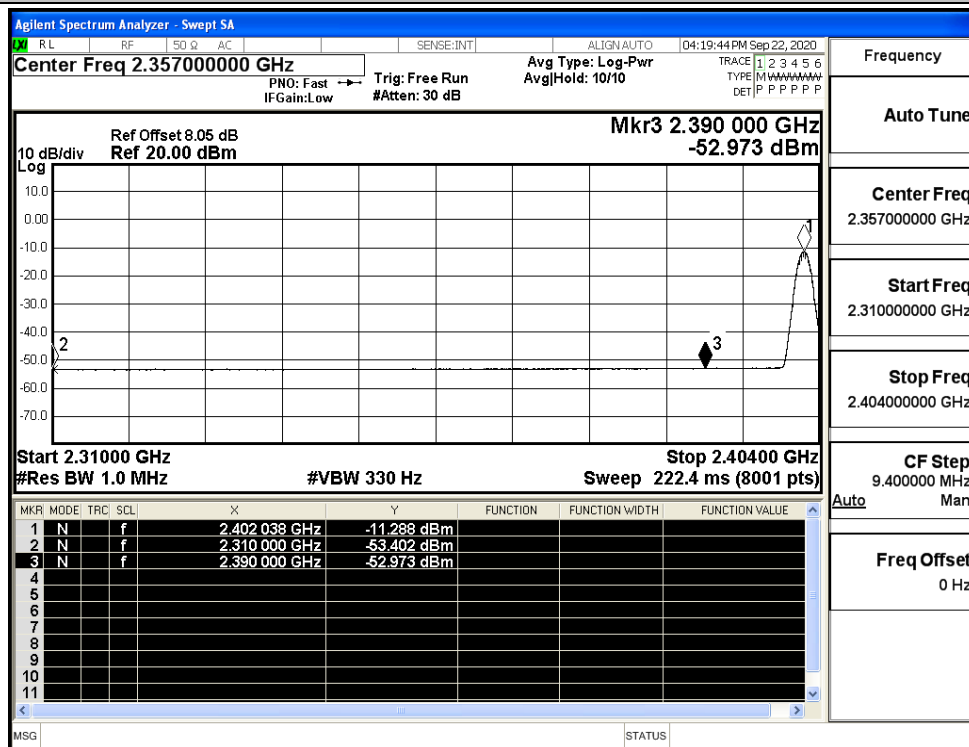
B.7 Restrict-band band-edge measurements

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	-43.28	2.0	0	53.95	PEAK	74	PASS
		Ant1	2310.0	-53.40	2.0	0	43.83	AV	54	PASS
		Ant1	2390.0	-42.30	2.0	0	54.93	PEAK	74	PASS
		Ant1	2390.0	-52.97	2.0	0	44.26	AV	54	PASS
	2480	Ant1	2483.5	-42.46	2.0	0	54.77	PEAK	74	PASS
		Ant1	2483.5	-52.42	2.0	0	44.81	AV	54	PASS
		Ant1	2500.0	-41.93	2.0	0	55.30	PEAK	74	PASS
		Ant1	2500.0	-52.37	2.0	0	44.86	AV	54	PASS

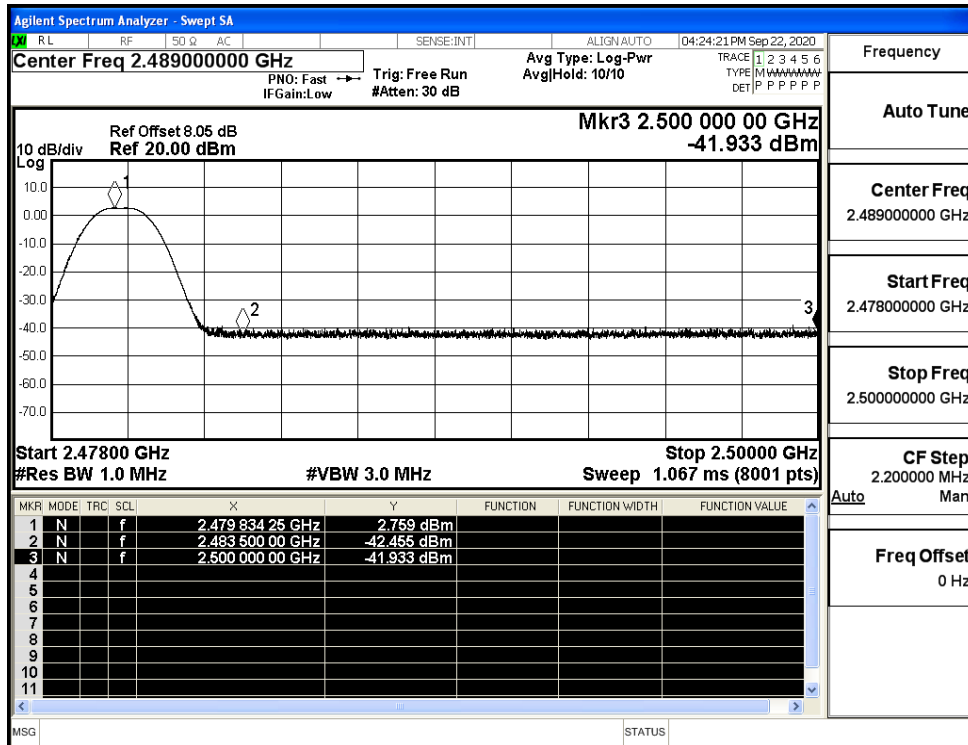
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

