

Appendix A

RF Test Data for BT V4.2(BLE) (Conducted Measurement)

Product Name: Wireless Bluetooth Headset

Trade Mark: N/A

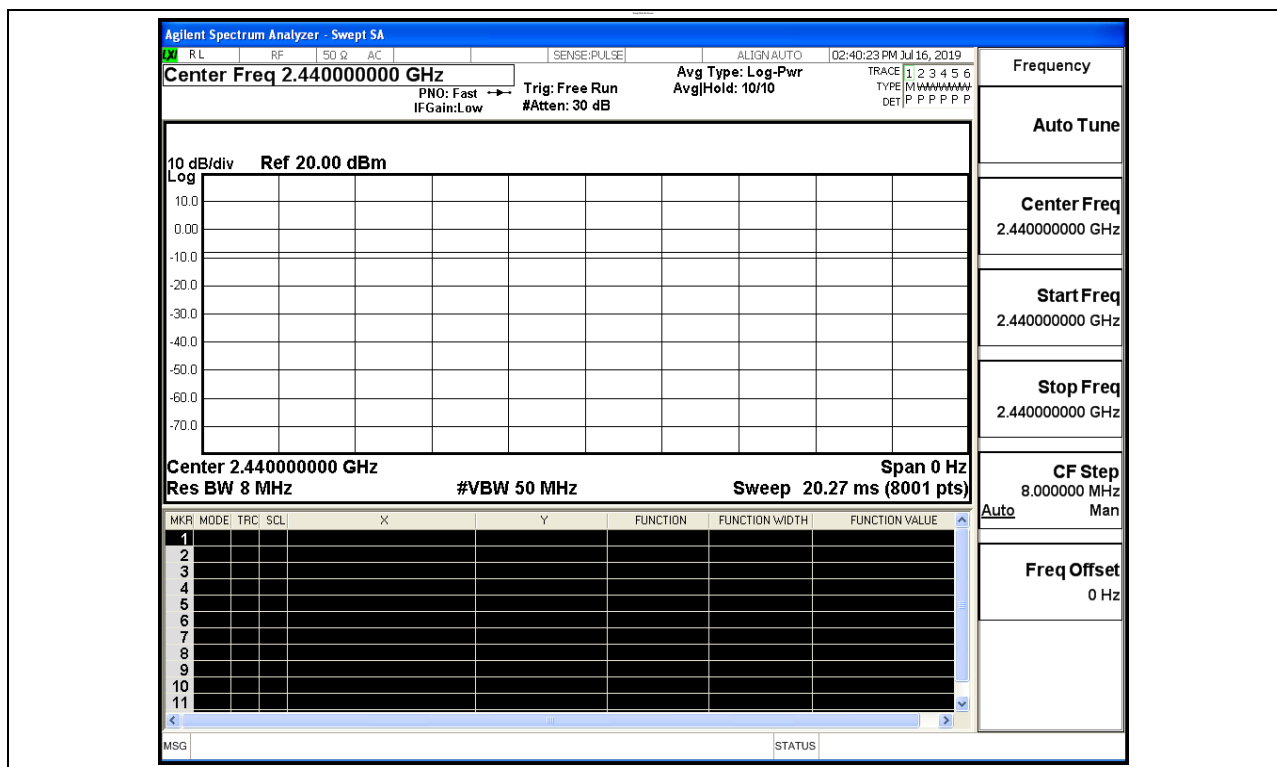
Test Model: X9

Environmental Conditions

Temperature:	25 .1° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	JK ZHOU
Supervised by:	Wang.Chuang

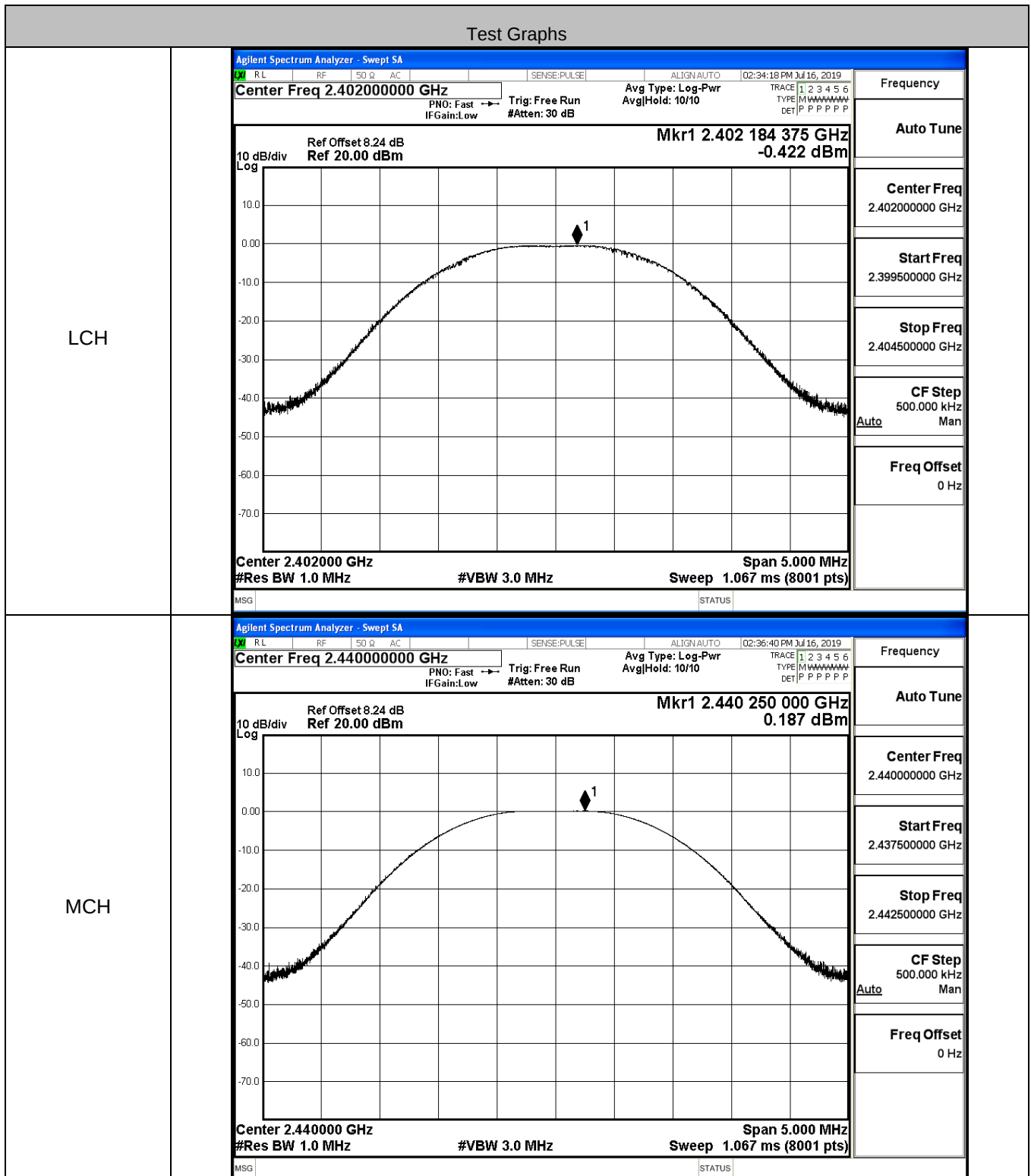
B.1 Duty Cycle

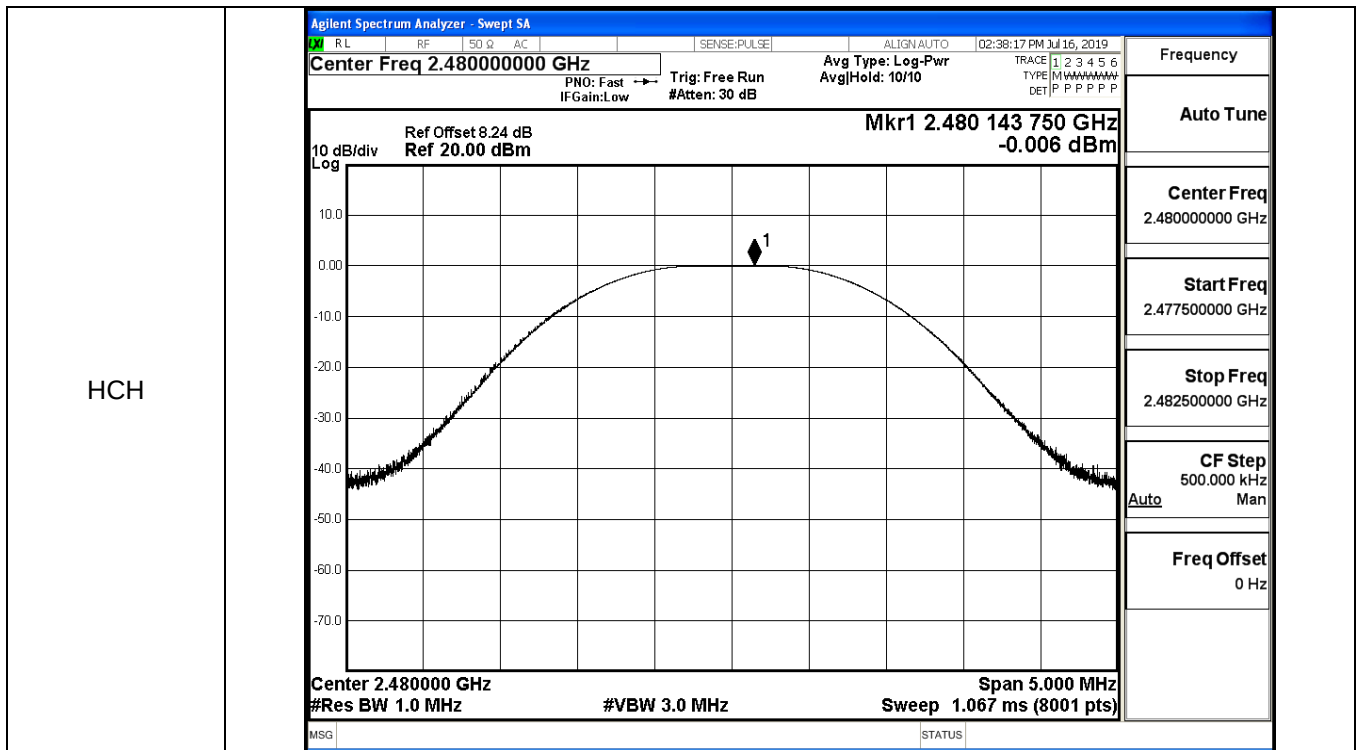
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



B.2 Maximum Conducted Peak Output Power

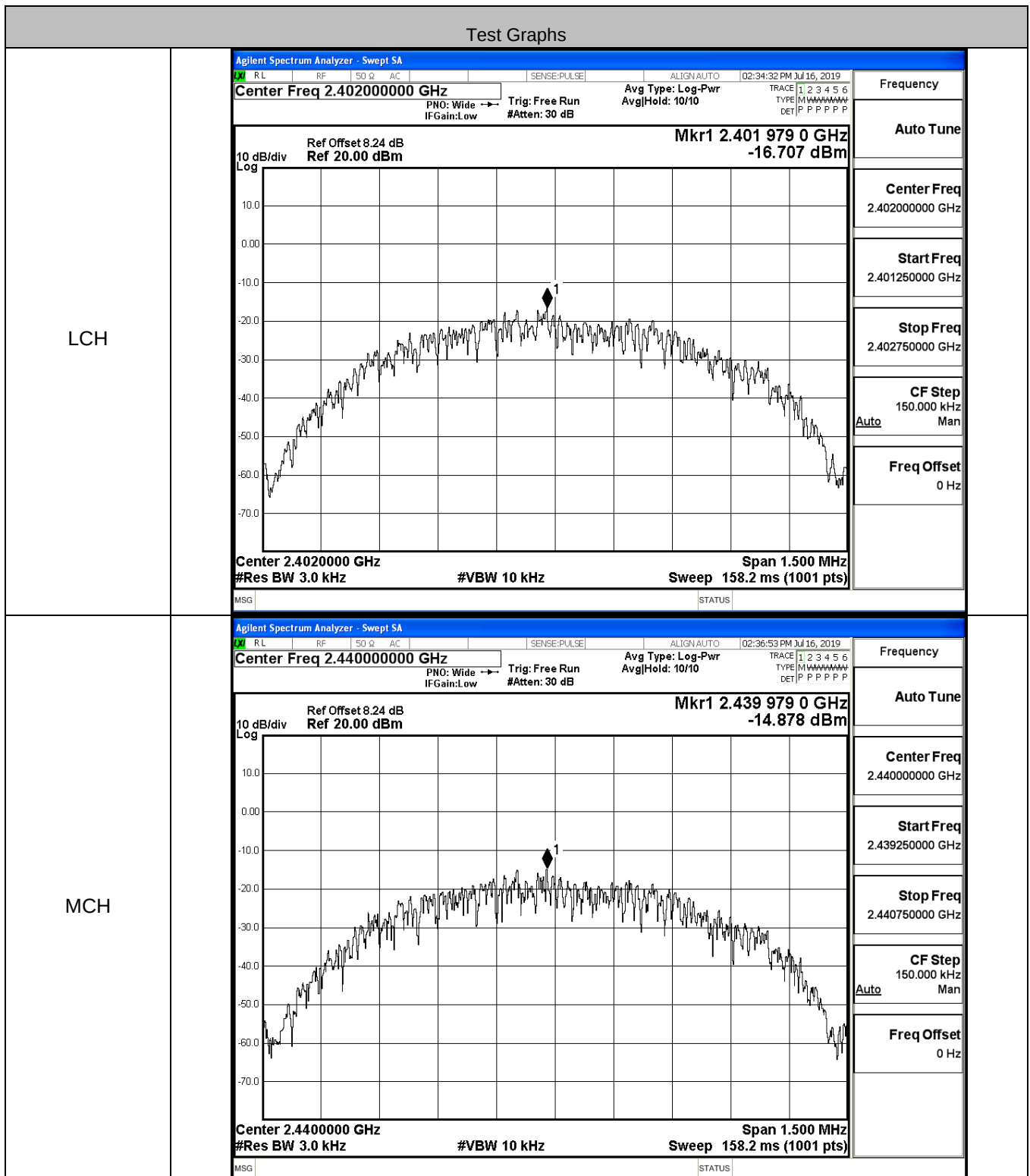
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.422	30	PASS
BT LE	MCH	0.187	30	PASS
BT LE	HCH	-0.006	30	PASS



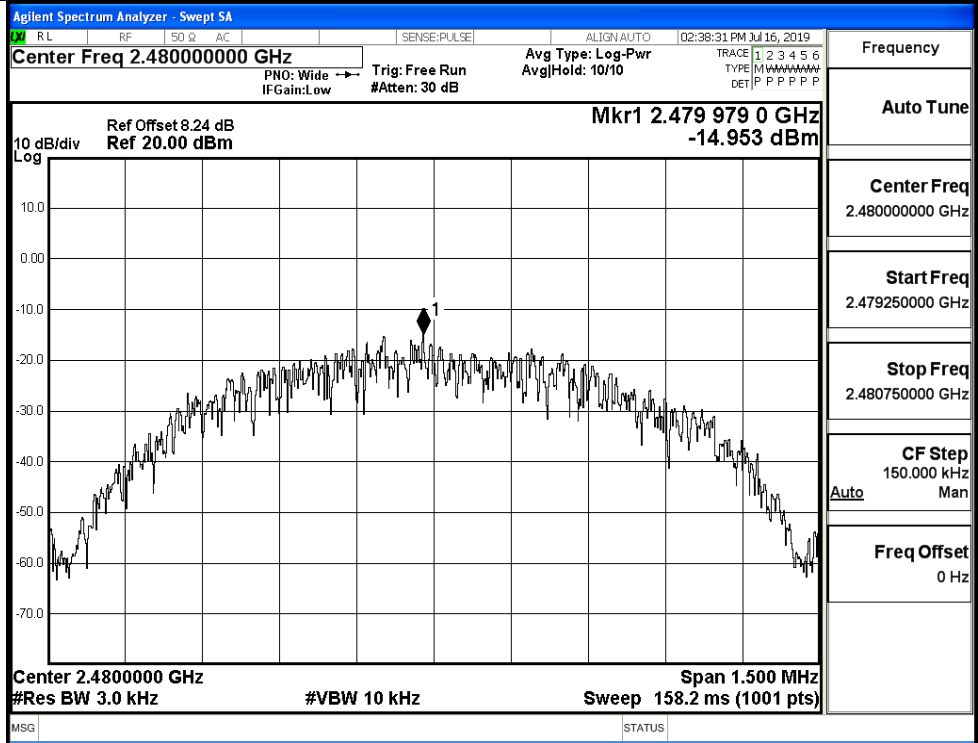


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.707	8	PASS
BT LE	MCH	-14.878	8	PASS
BT LE	HCH	-14.953	8	PASS



HCH

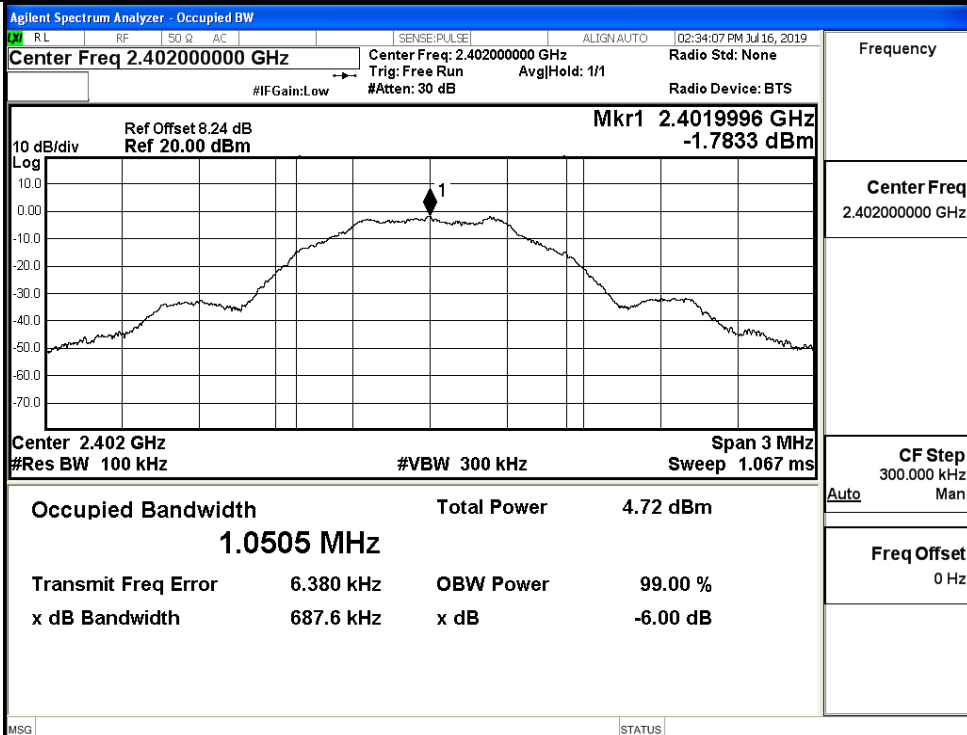


B.4 6dB Bandwidth

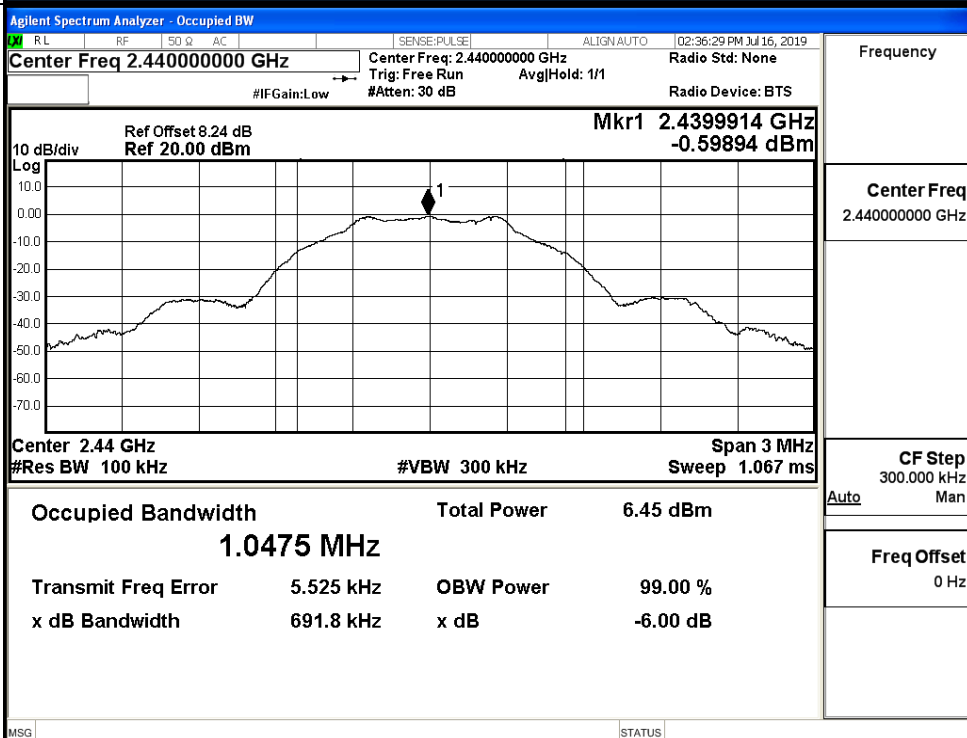
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6876	≥ 0.5	PASS
BT LE	MCH	0.6918	≥ 0.5	PASS
BT LE	HCH	0.6860	≥ 0.5	PASS

Test Graphs

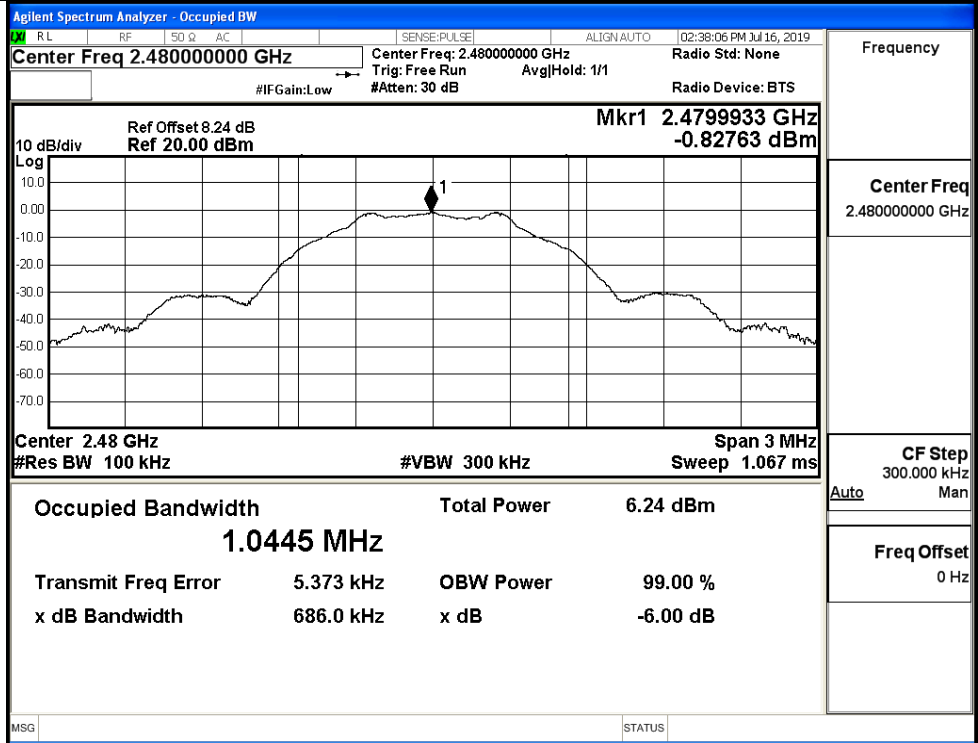
LCH



MCH

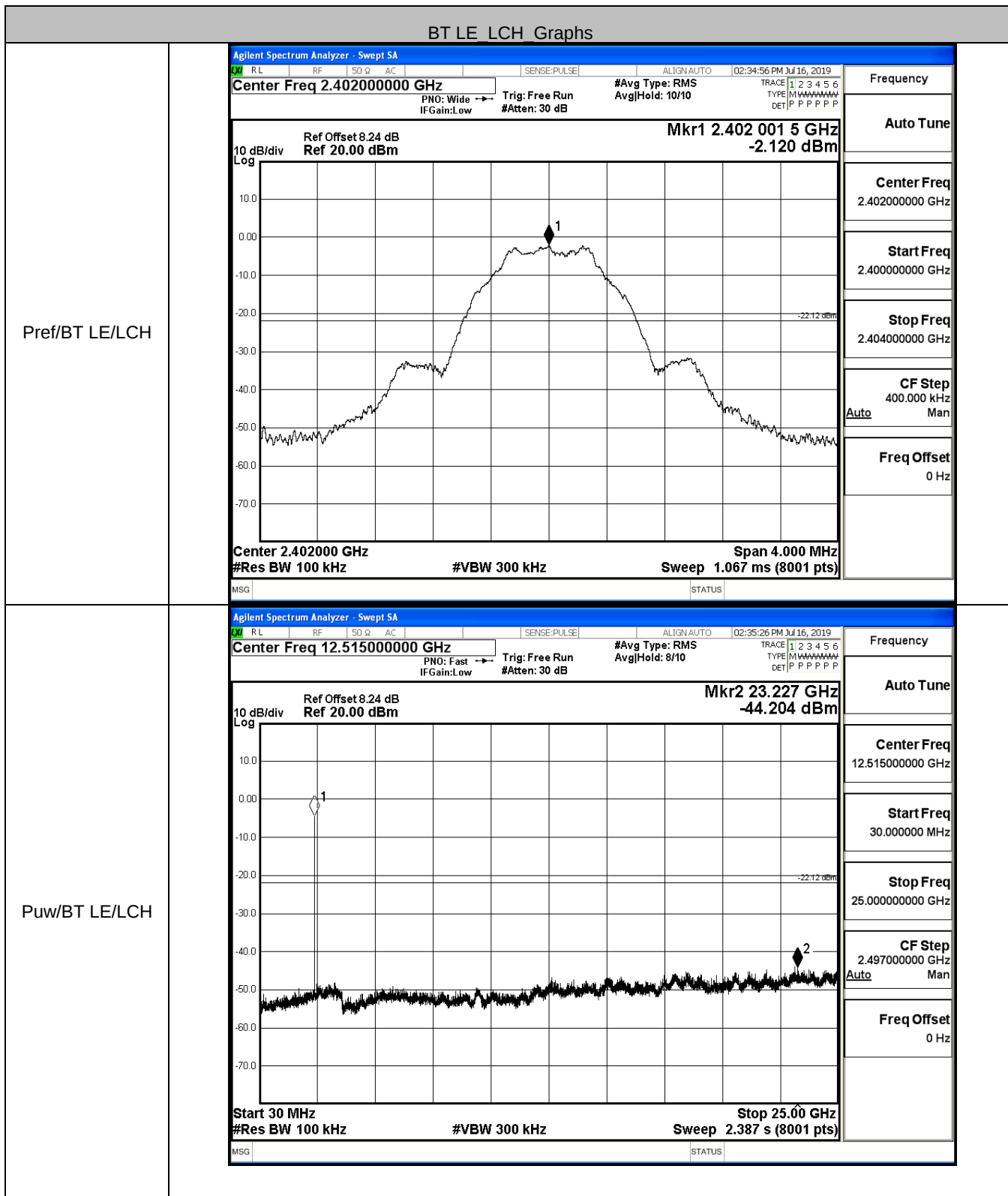


HCH



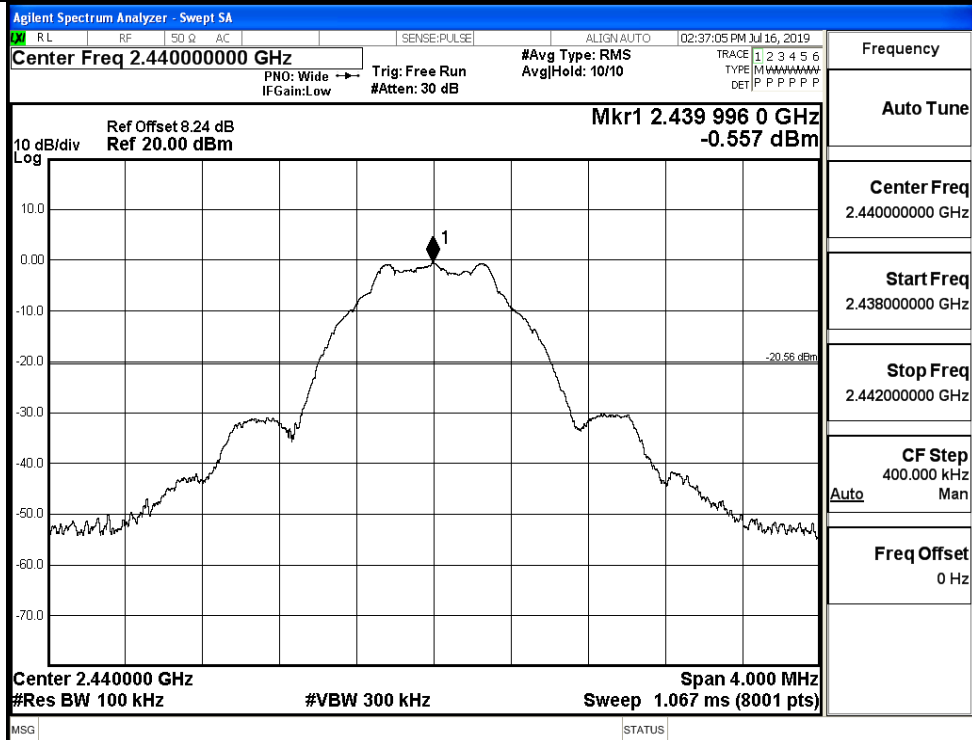
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.12	-44.204	-22.120	PASS
BT LE	MCH	-0.557	-43.517	-20.557	PASS
BT LE	HCH	-0.959	-38.440	-20.959	PASS

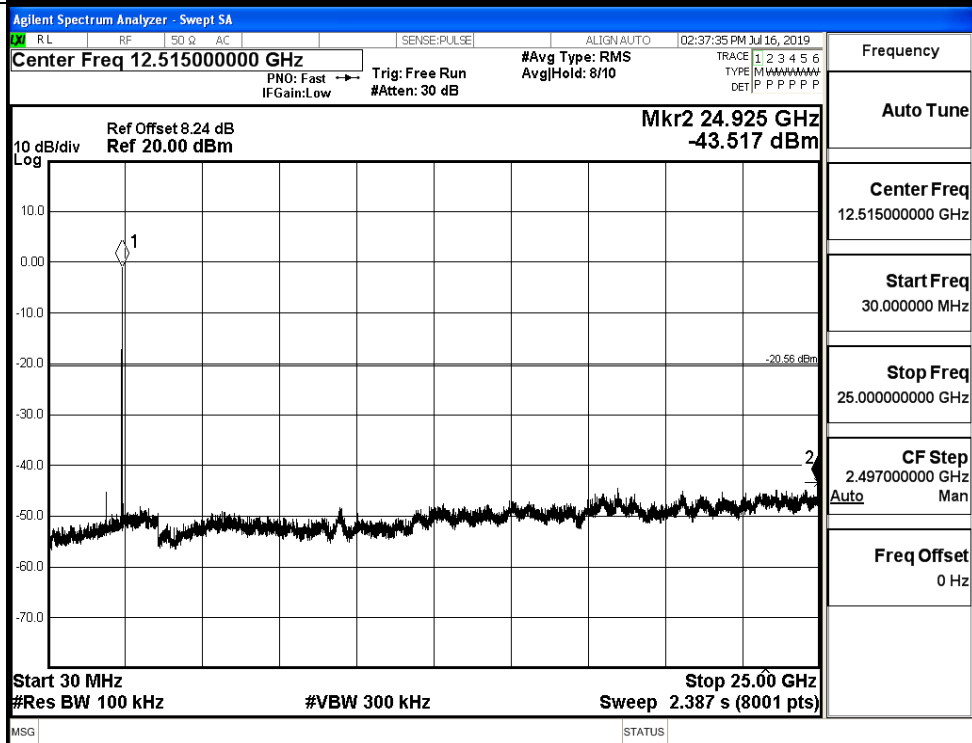


BT LE MCH Graphs

Pref/BT LE/MCH

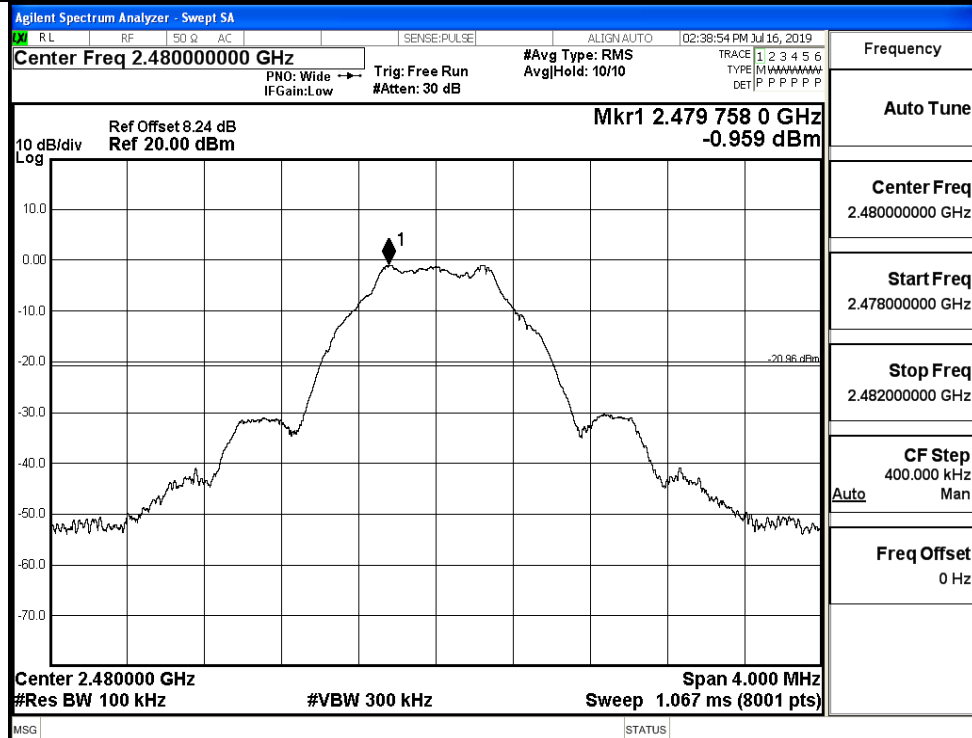


Puw/BT LE/MCH

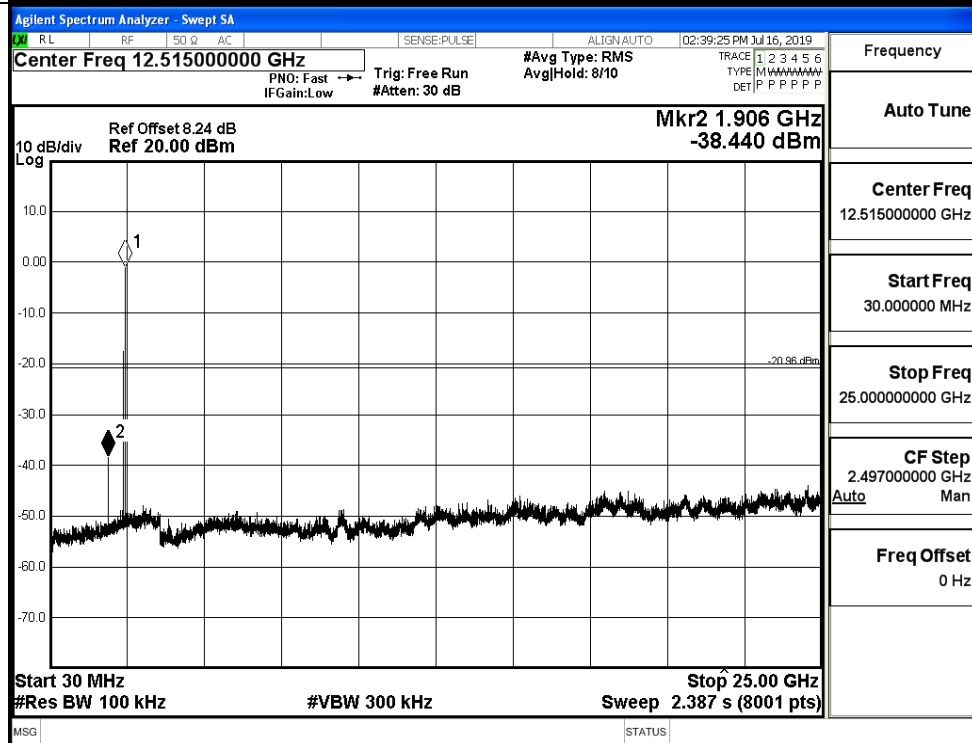


BT LE HCH Graphs

Pref/BT LE/HCH

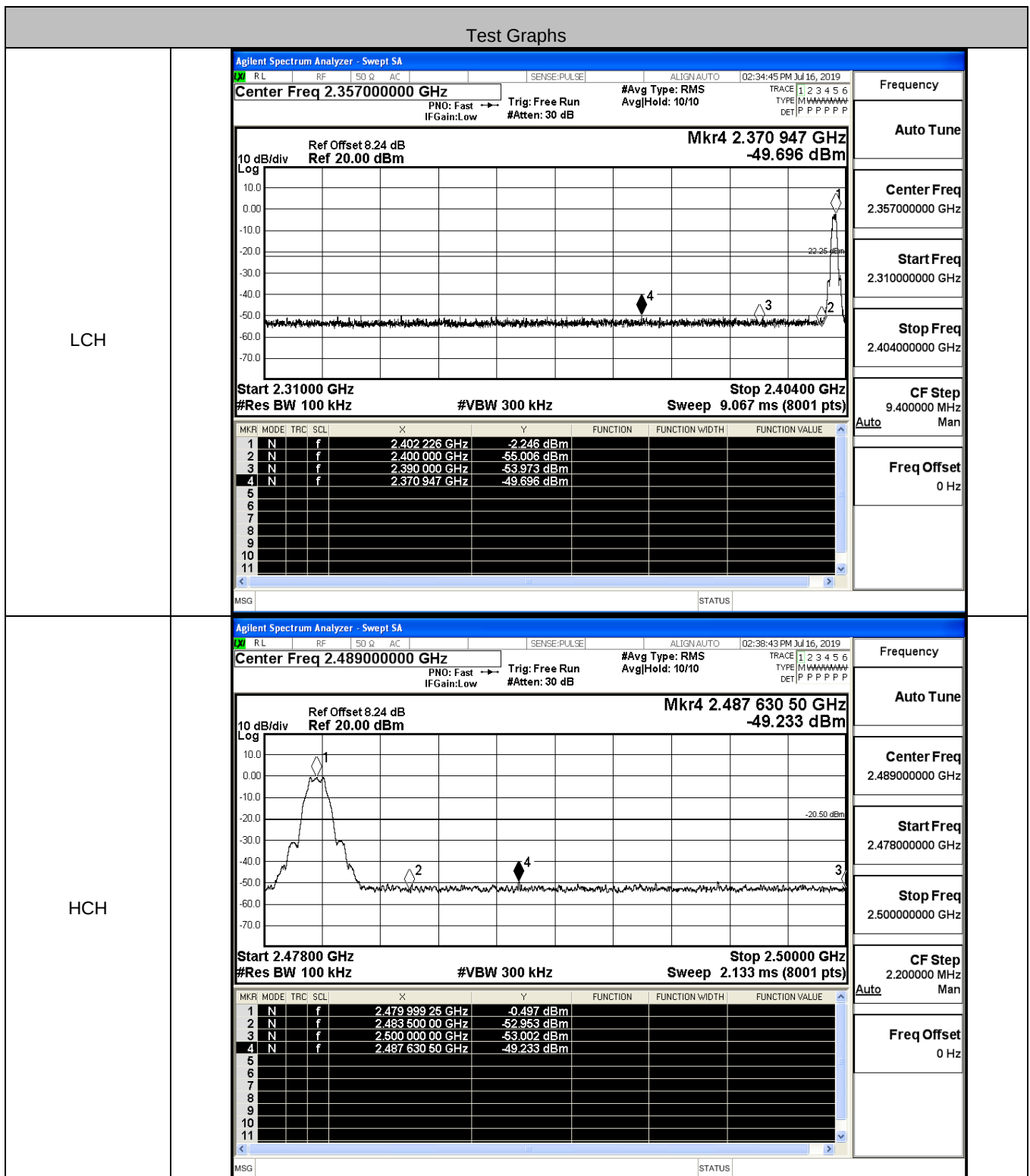


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

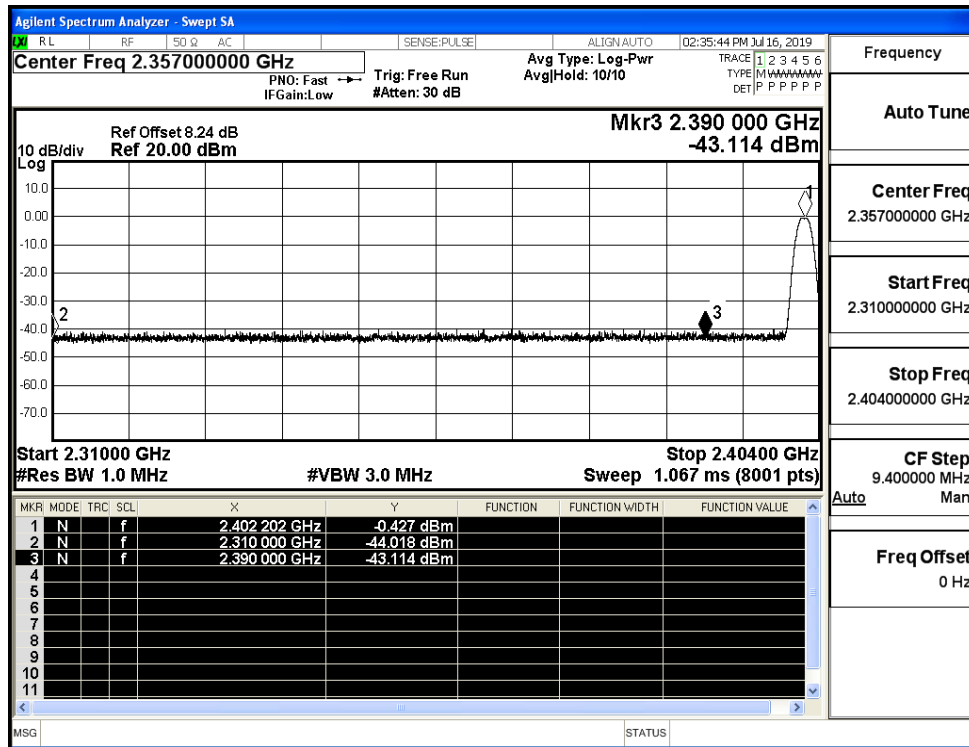
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.246	-49.696	-22.25	PASS
BT LE	HCH	-0.497	-49.233	-20.5	PASS



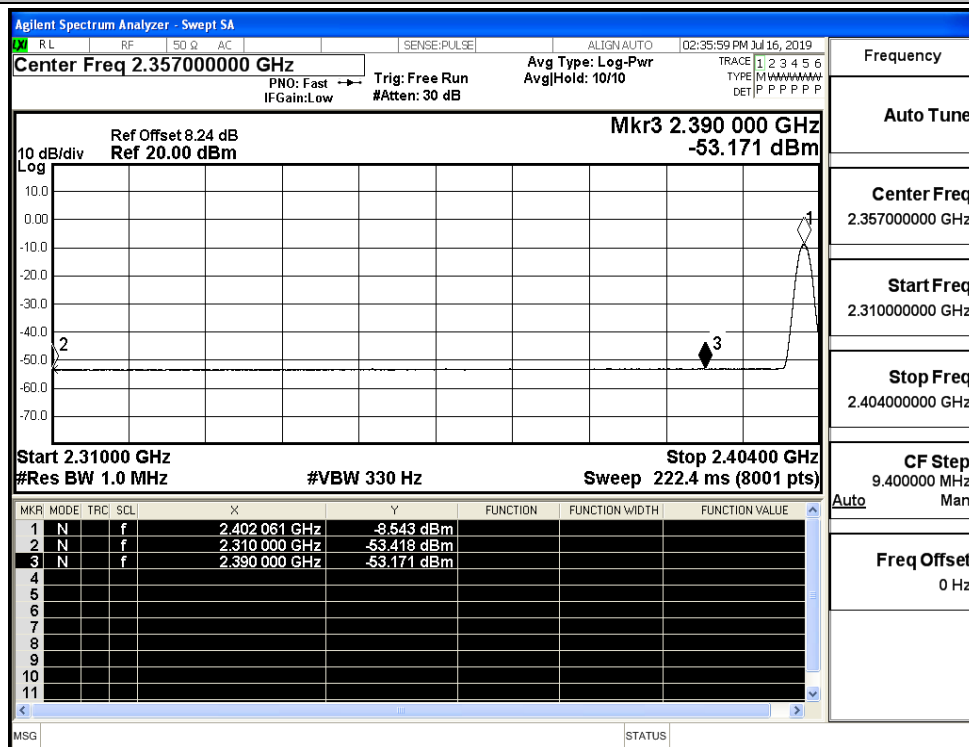
B.7 Restrict-band band-edge measurements

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	-44.02	2.0	0	51.24	PEAK	74	PASS
		Ant1	2310.0	-53.42	2.0	0	41.84	AV	54	PASS
		Ant1	2390.0	-43.11	2.0	0	52.14	PEAK	74	PASS
		Ant1	2390.0	-53.17	2.0	0	42.09	AV	54	PASS
	2480	Ant1	2483.5	-43.64	2.0	0	51.62	PEAK	74	PASS
		Ant1	2483.5	-52.80	2.0	0	42.45	AV	54	PASS
		Ant1	2500.0	-42.56	2.0	0	52.69	PEAK	74	PASS
		Ant1	2500.0	-52.88	2.0	0	42.38	AV	54	PASS

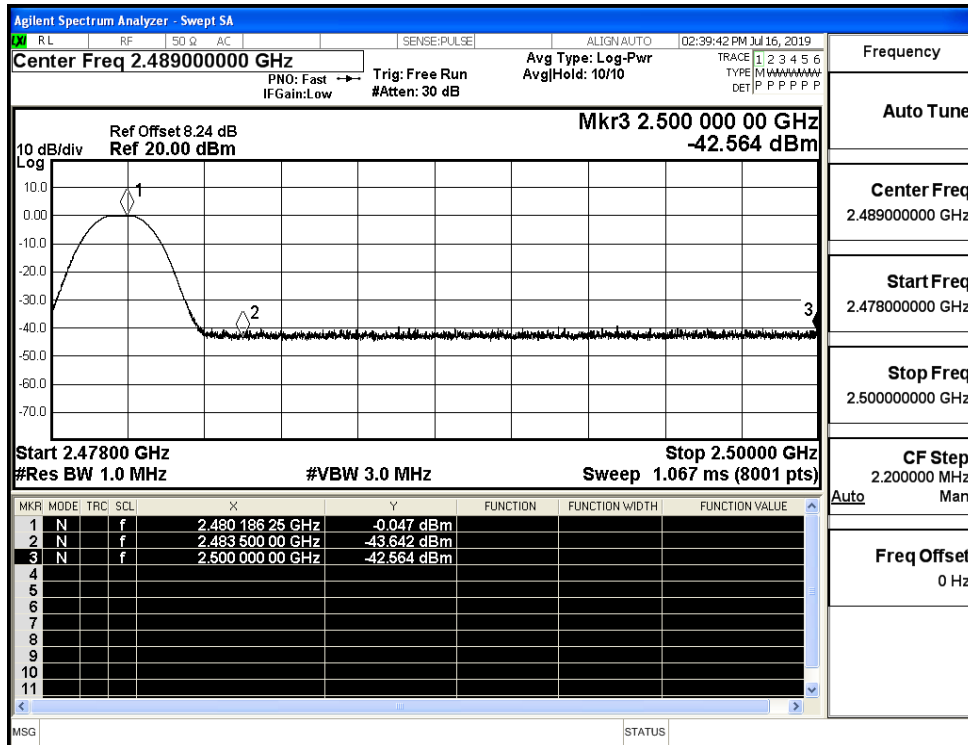
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

