

Appendix A

RF Test Data for BLE (Conducted Measurement)

Product Name: Bluetooth Remote Shutter

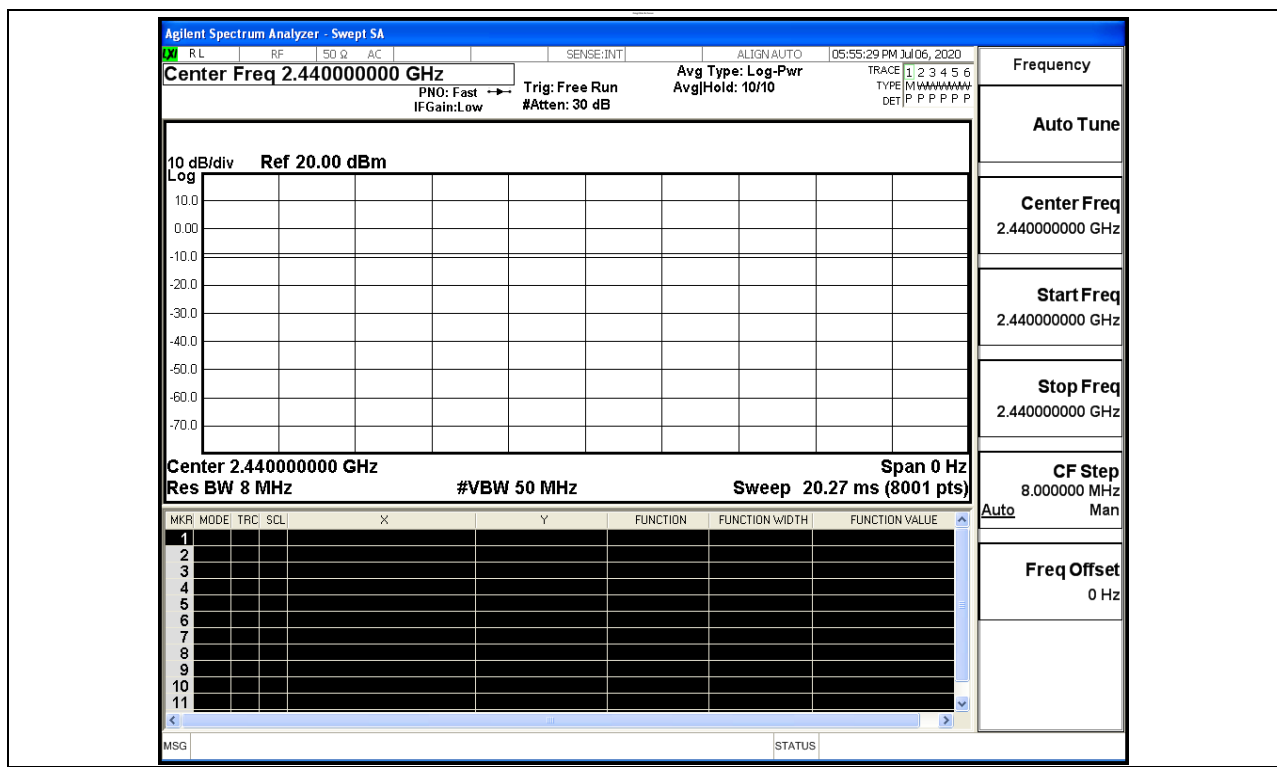
Test Model: KCL01

Environmental Conditions

Temperature:	22.4 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

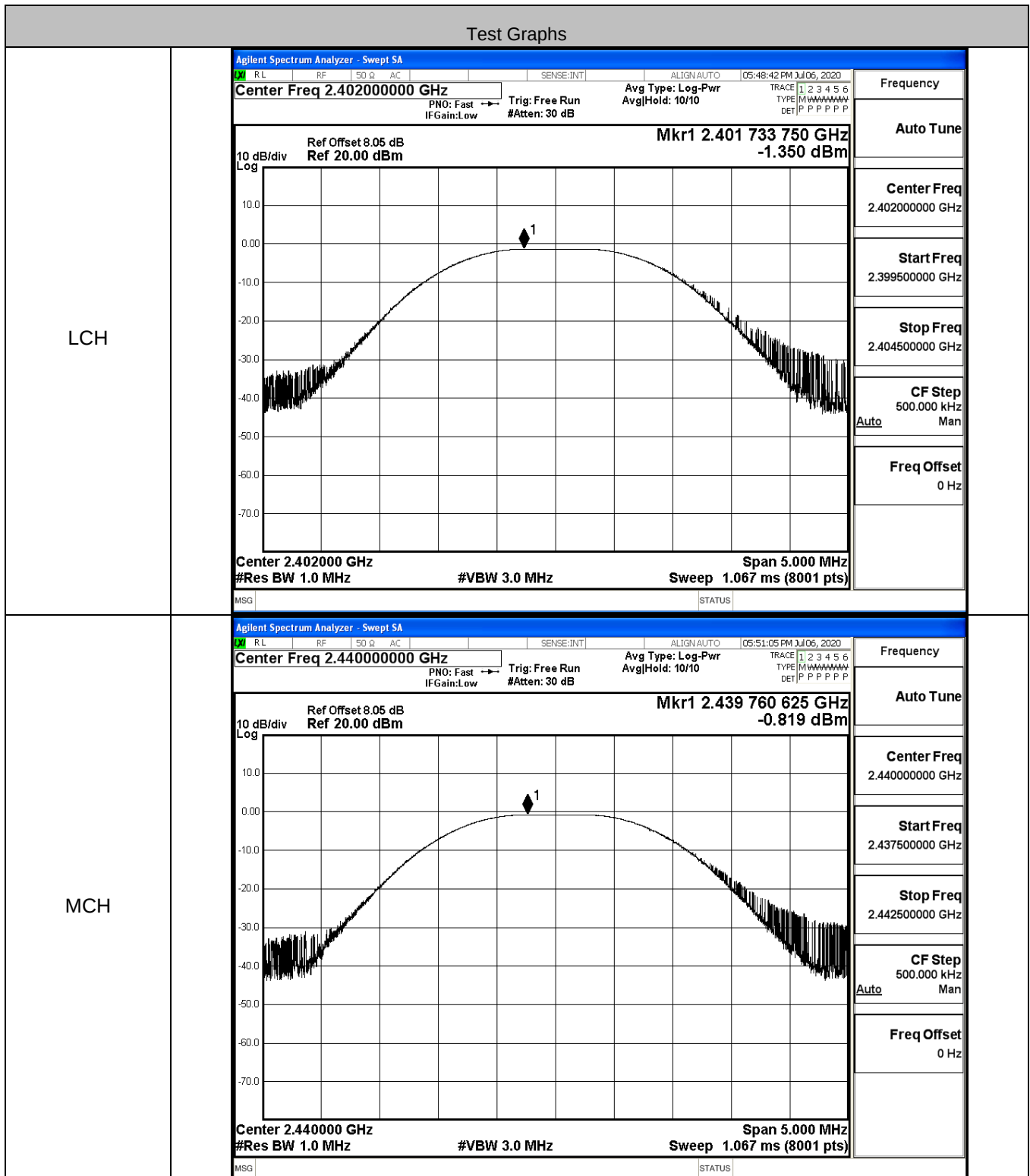
A.1 Duty Cycle

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

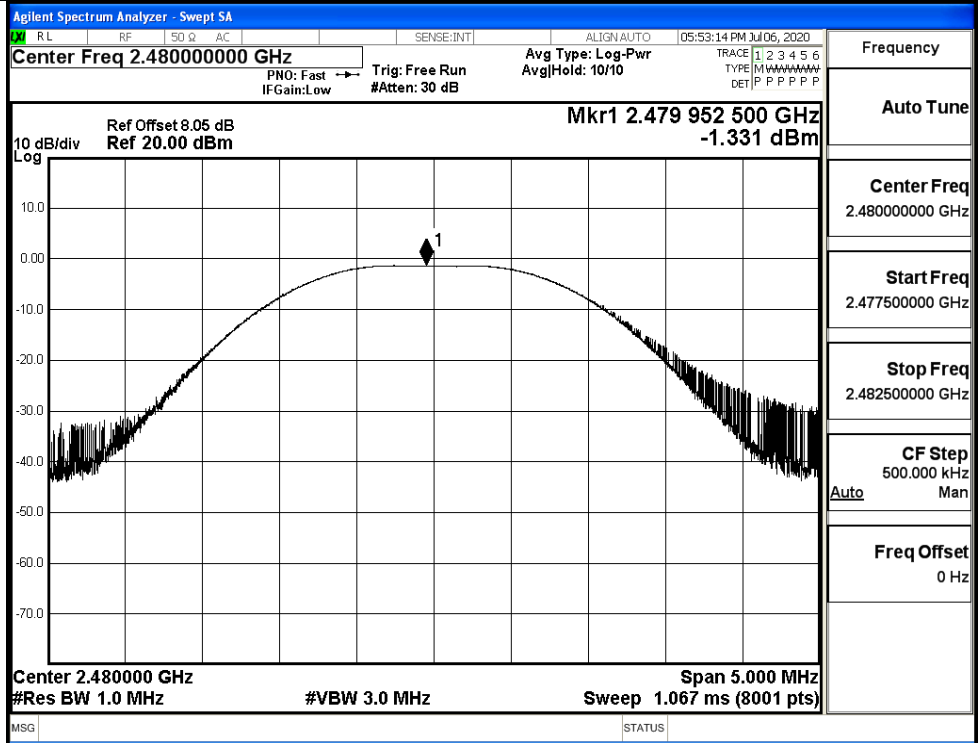


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.350	30	PASS
BT LE	MCH	-0.819	30	PASS
BT LE	HCH	-1.331	30	PASS

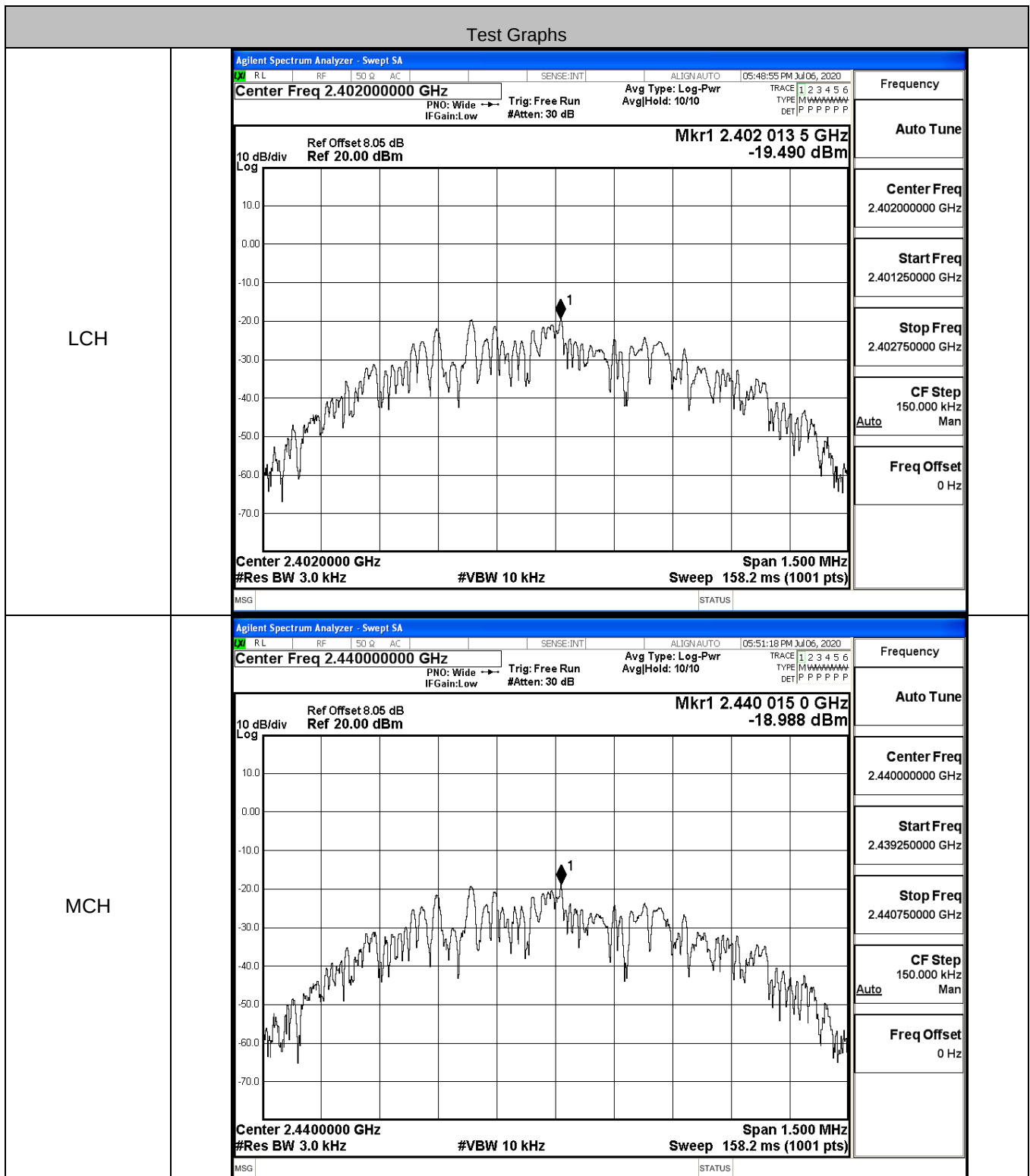


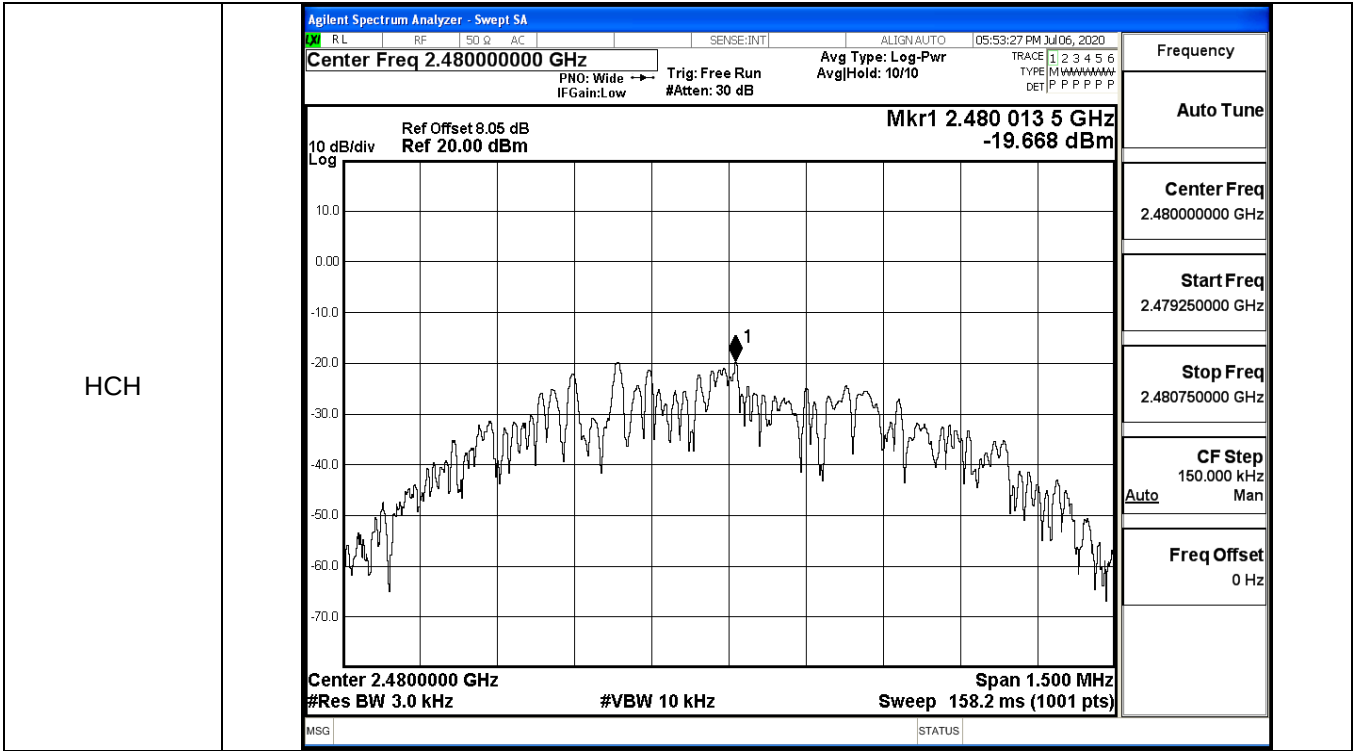
HCH



A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-19.490	8	PASS
BT LE	MCH	-18.988	8	PASS
BT LE	HCH	-19.668	8	PASS



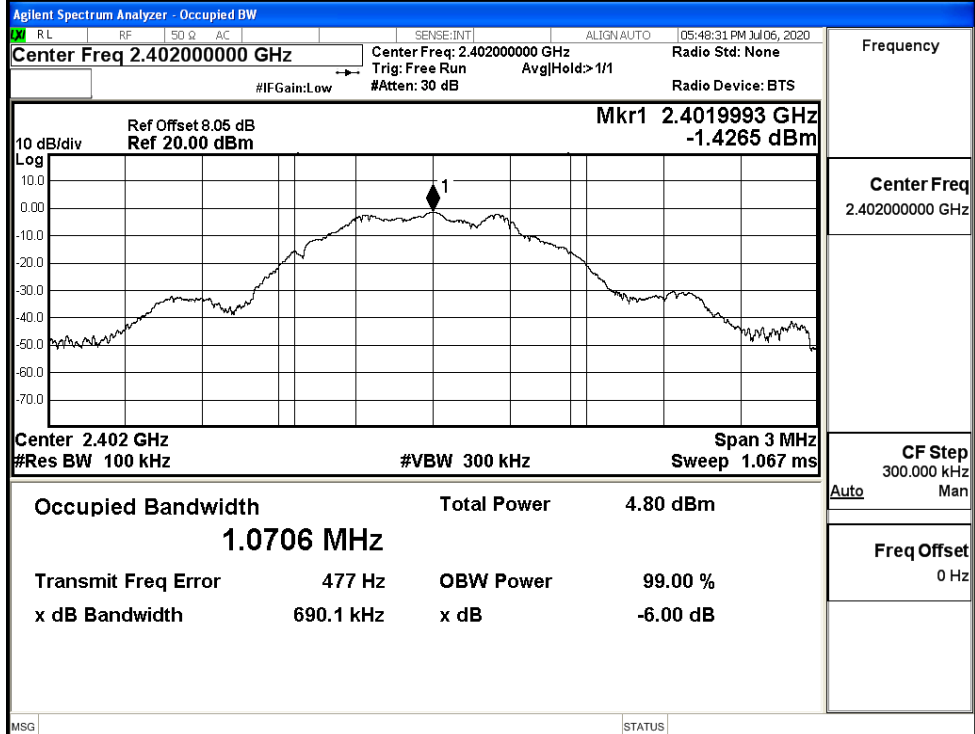


A.4 6dB Bandwidth

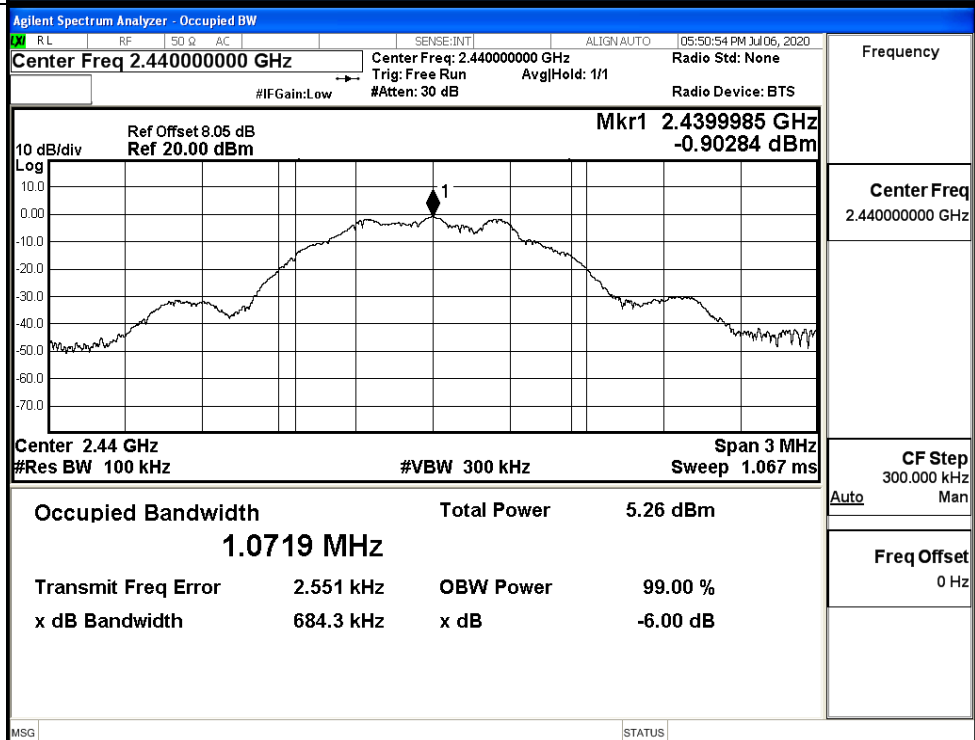
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6901	≥ 0.5	PASS
BT LE	MCH	0.6843	≥ 0.5	PASS
BT LE	HCH	0.6932	≥ 0.5	PASS

Test Graphs

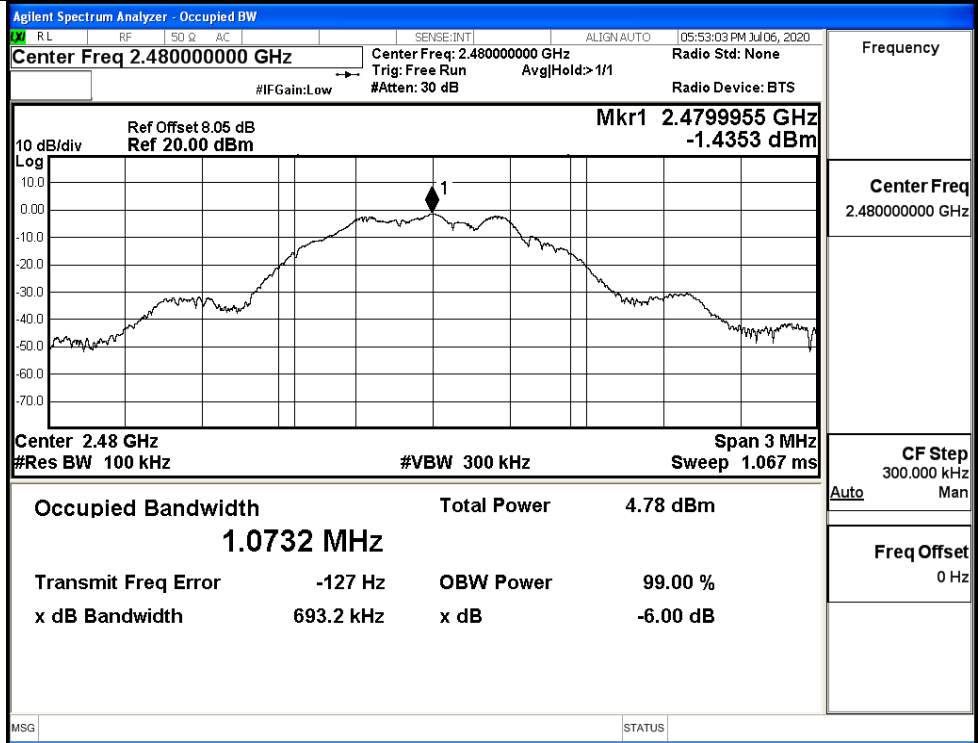
LCH



MCH

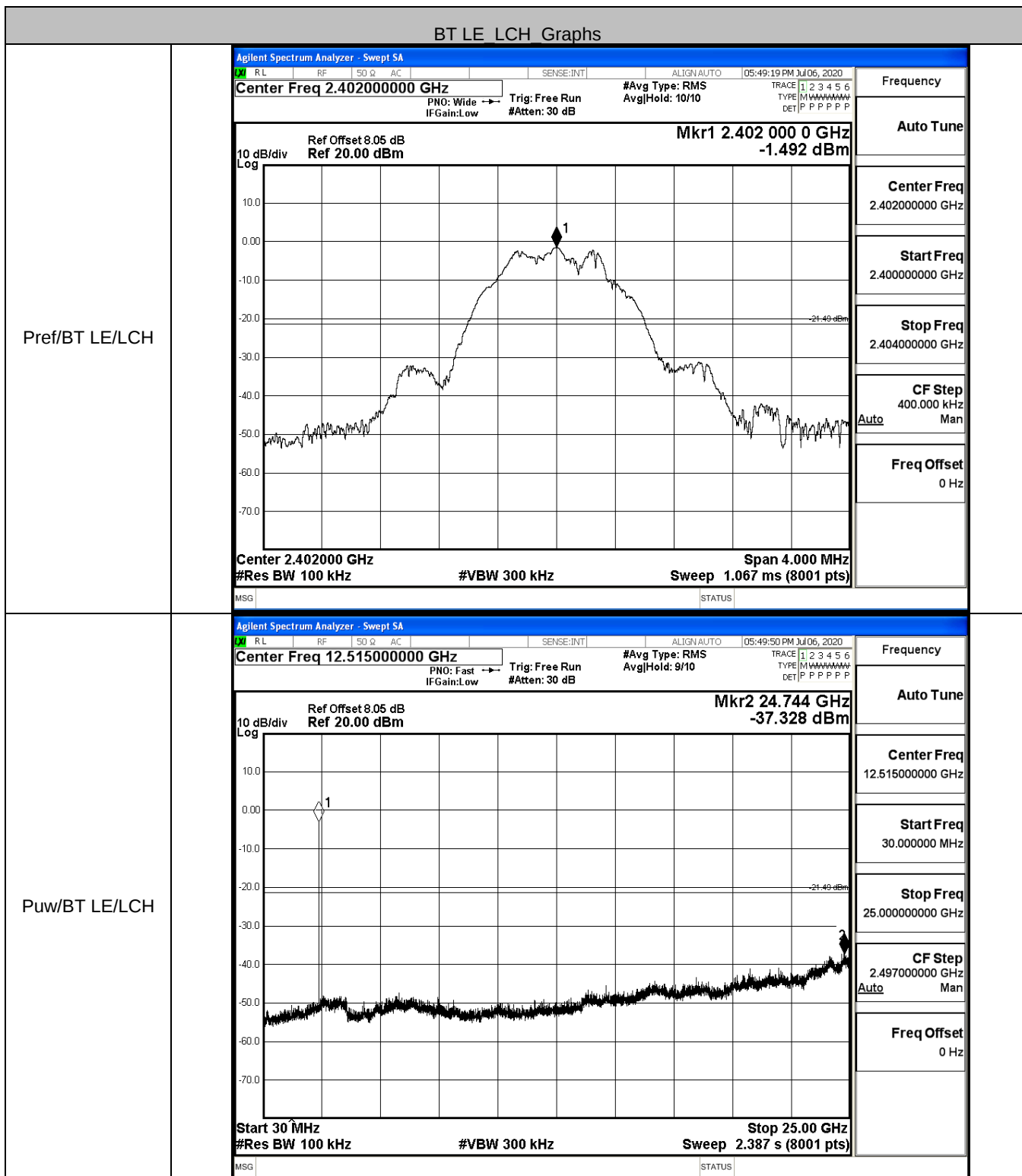


HCH



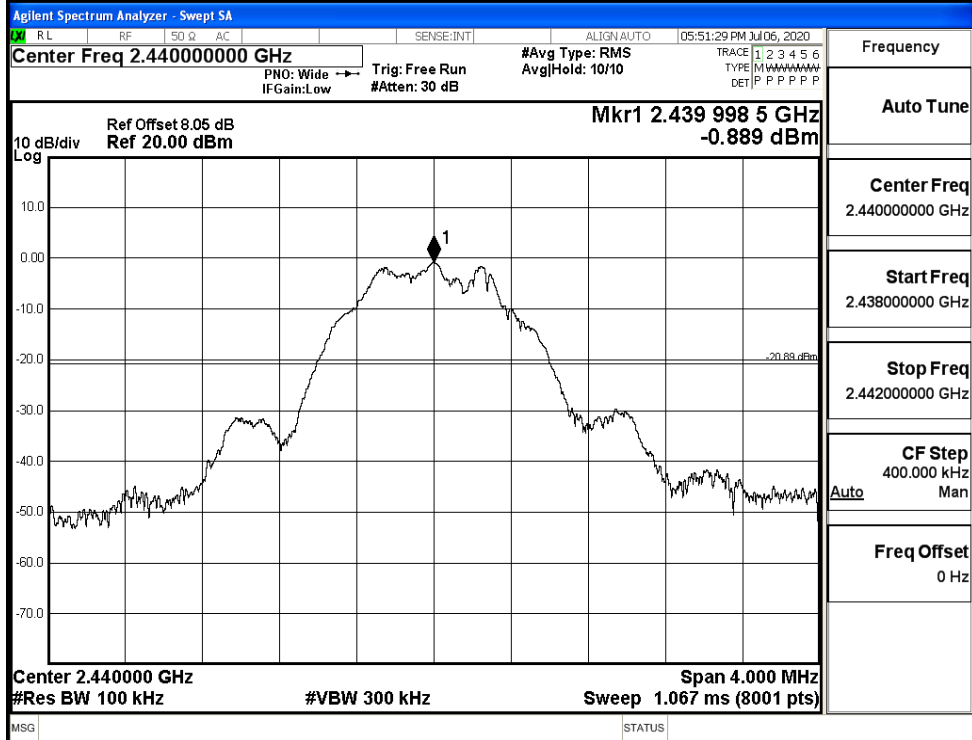
A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.492	-37.328	-21.492	PASS
BT LE	MCH	-0.889	-37.258	-20.889	PASS
BT LE	HCH	-1.416	-37.503	-21.416	PASS

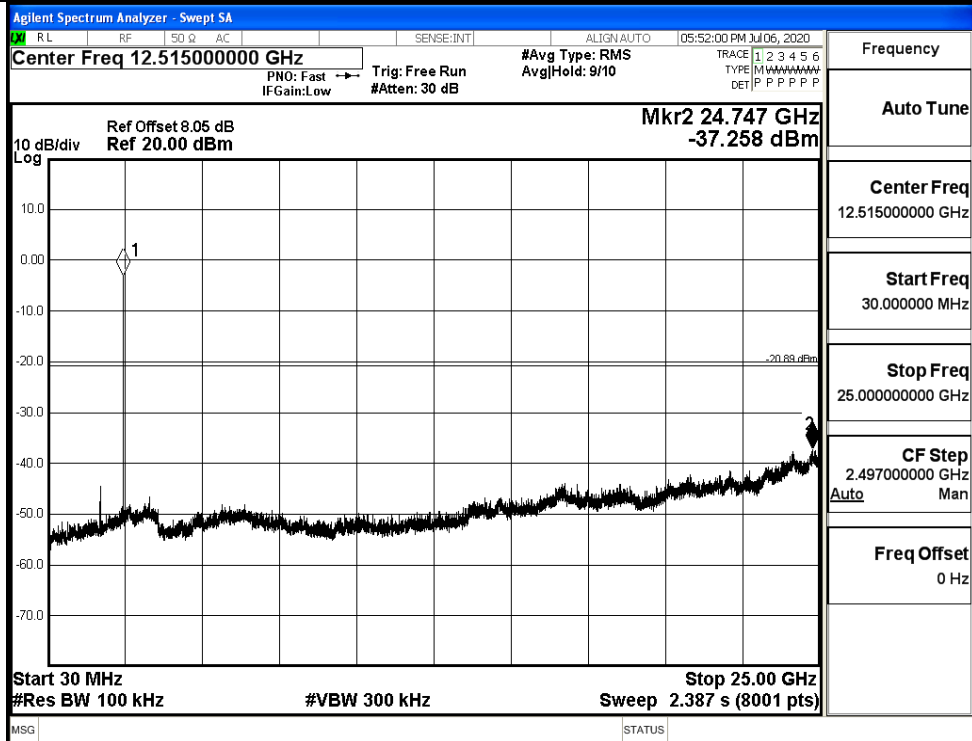


BT LE MCH Graphs

Pref/BT LE/MCH

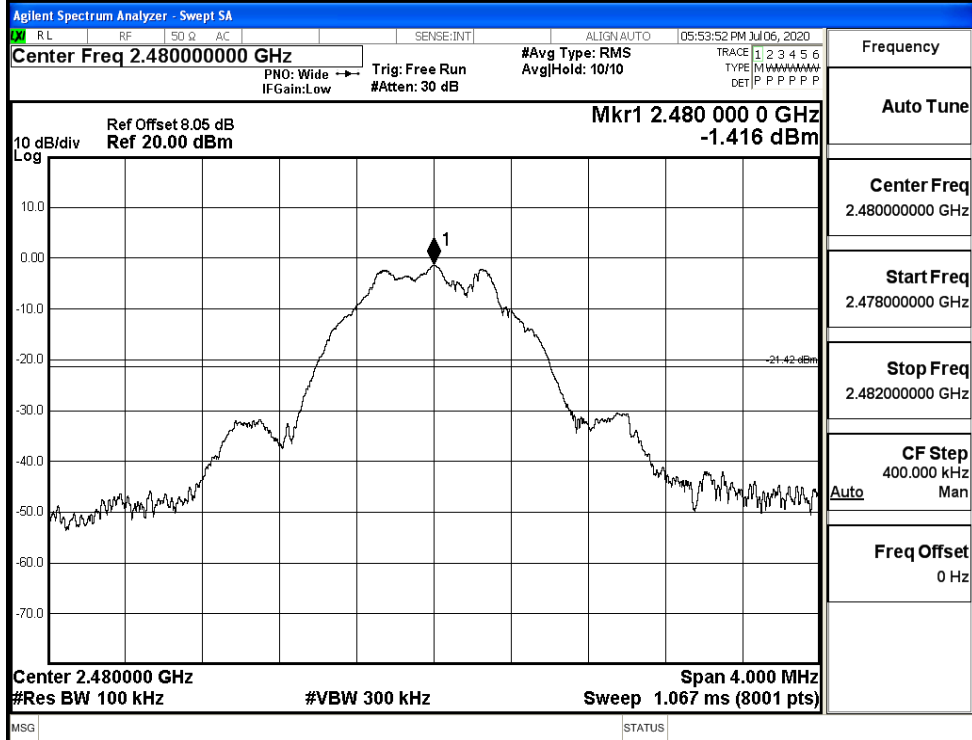


Puw/BT LE/MCH

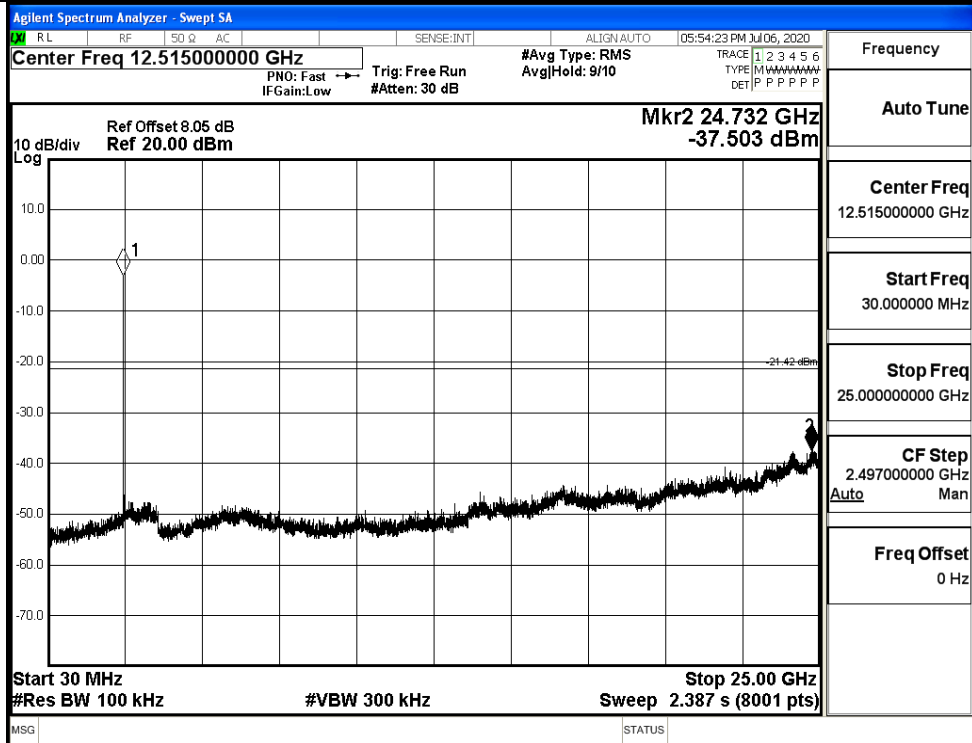


BT LE HCH Graphs

Pref/BT LE/HCH

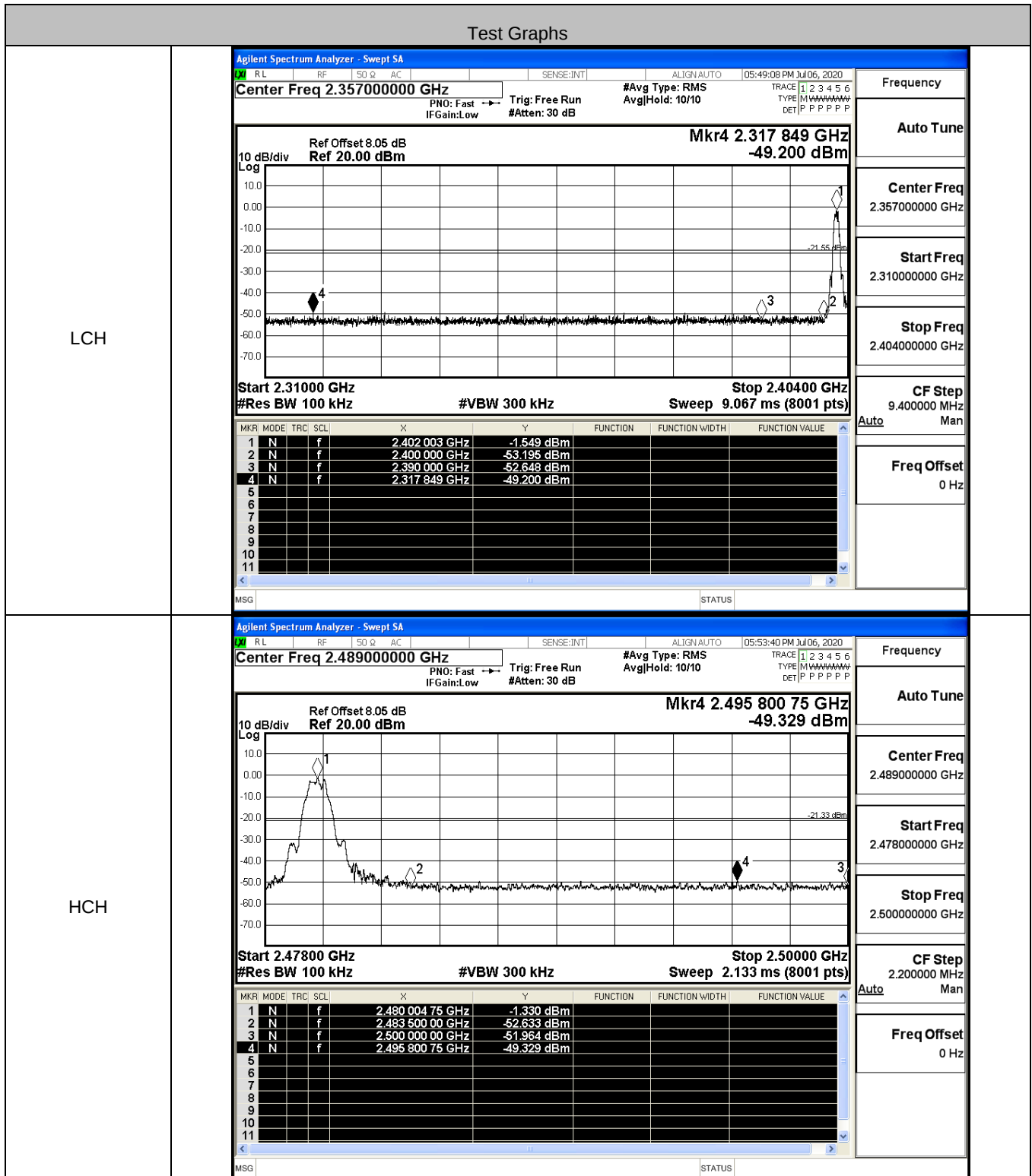


Puw/BT LE/HCH



A.6 Band-edge for RF Conducted Emissions

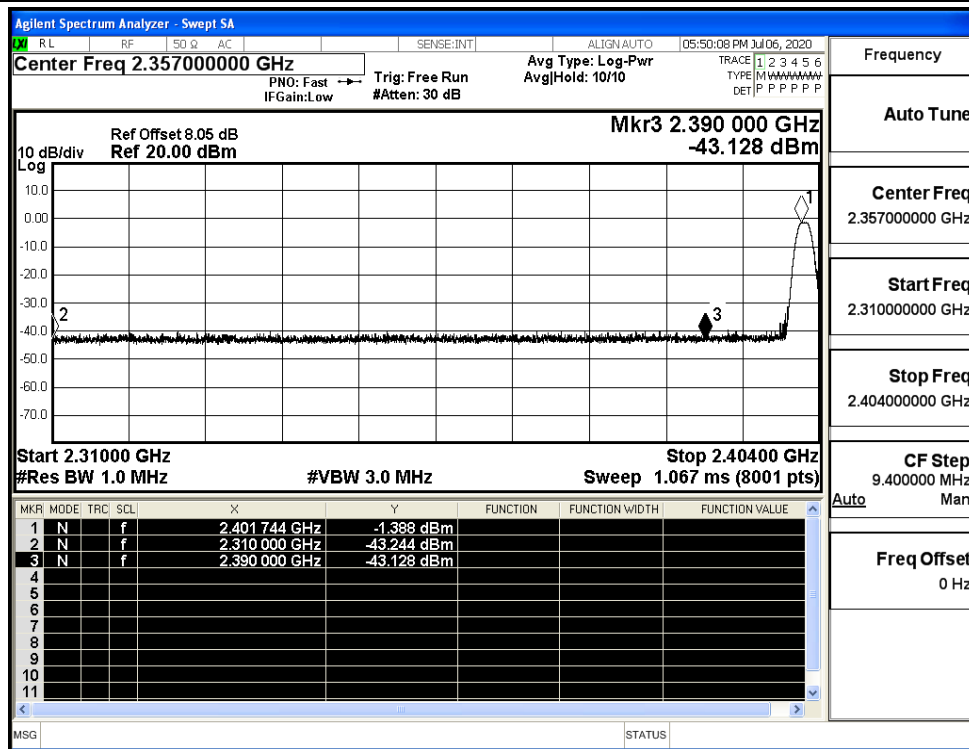
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.549	-49.200	-21.55	PASS
BT LE	HCH	-1.330	-49.329	-21.33	PASS



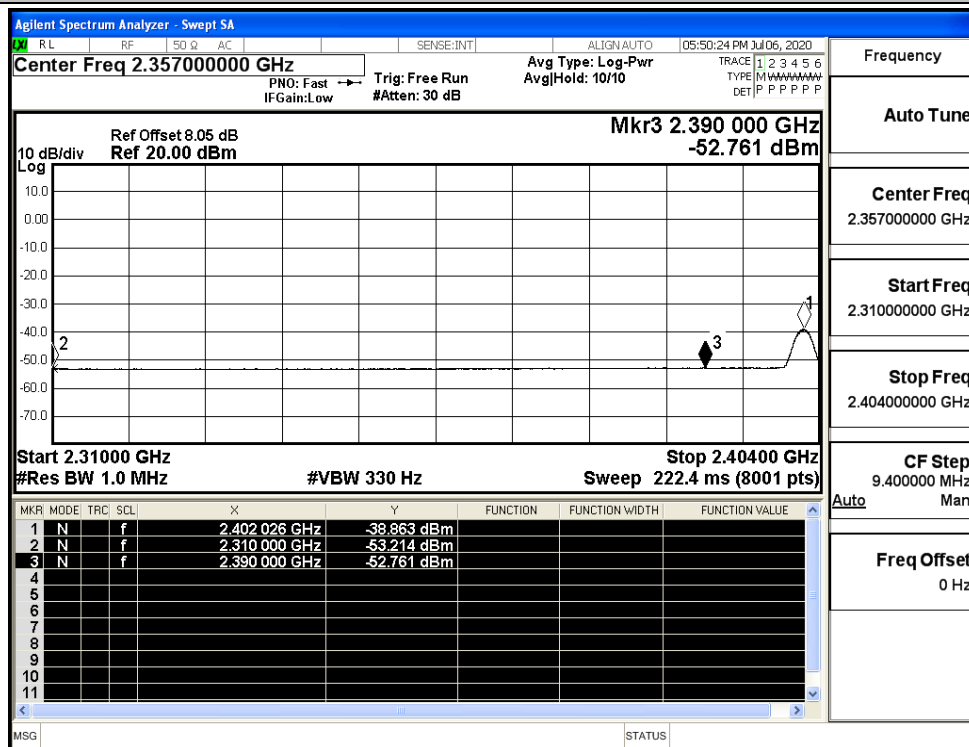
A.7 Restrict-band band-edge measurements

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	-43.24	2.0	0	52.01	PEAK	74	PASS
		Ant1	2310.0	-53.21	2.0	0	42.04	AV	54	PASS
		Ant1	2390.0	-43.13	2.0	0	52.13	PEAK	74	PASS
		Ant1	2390.0	-52.76	2.0	0	42.50	AV	54	PASS
	2480	Ant1	2483.5	-35.01	2.0	0	60.25	PEAK	74	PASS
		Ant1	2483.5	-52.40	2.0	0	42.86	AV	54	PASS
		Ant1	2500.0	-40.92	2.0	0	54.34	PEAK	74	PASS
		Ant1	2500.0	-52.24	2.0	0	43.02	AV	54	PASS

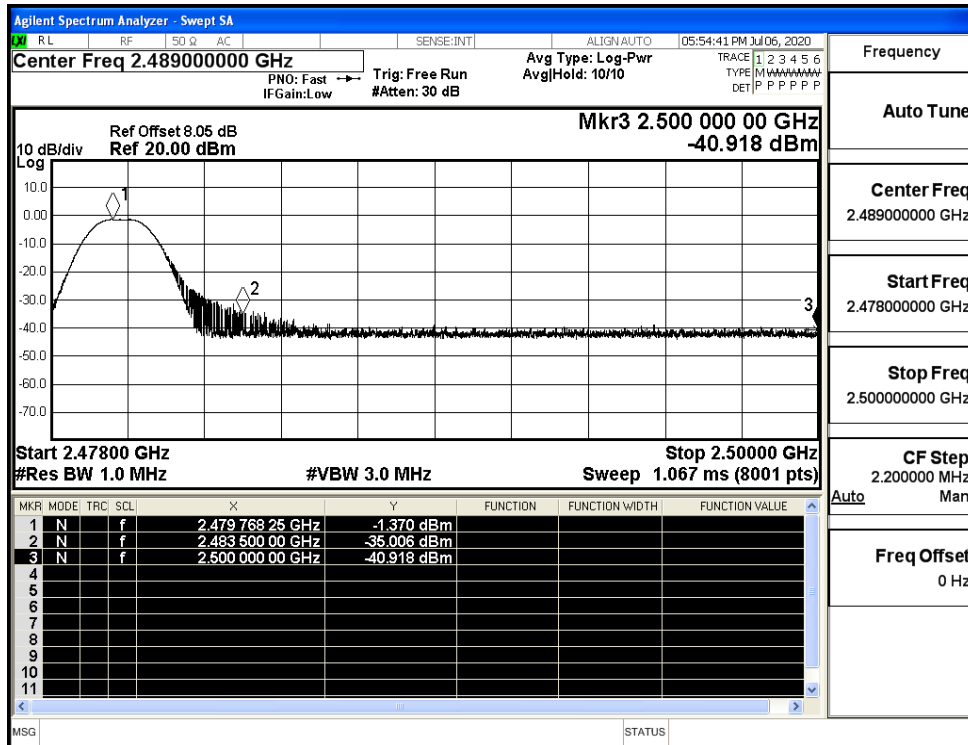
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

