

Appendix C

RF Test Data for BT V4.1(BLE) (Conducted Measurement)

Product Name: Smart POS

Trade Mark: N/A

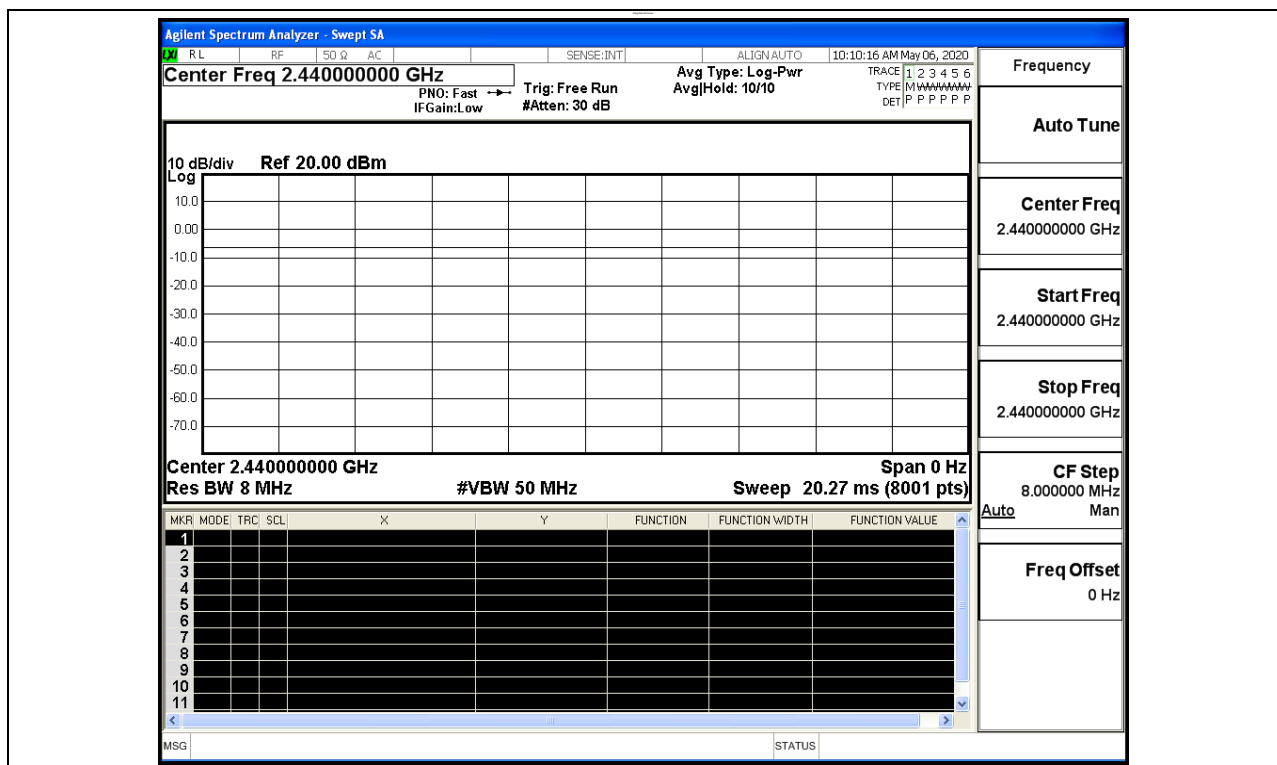
Test Model: WIZARPOS Q3

Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Li Huan
Supervised by:	Tom.Liu

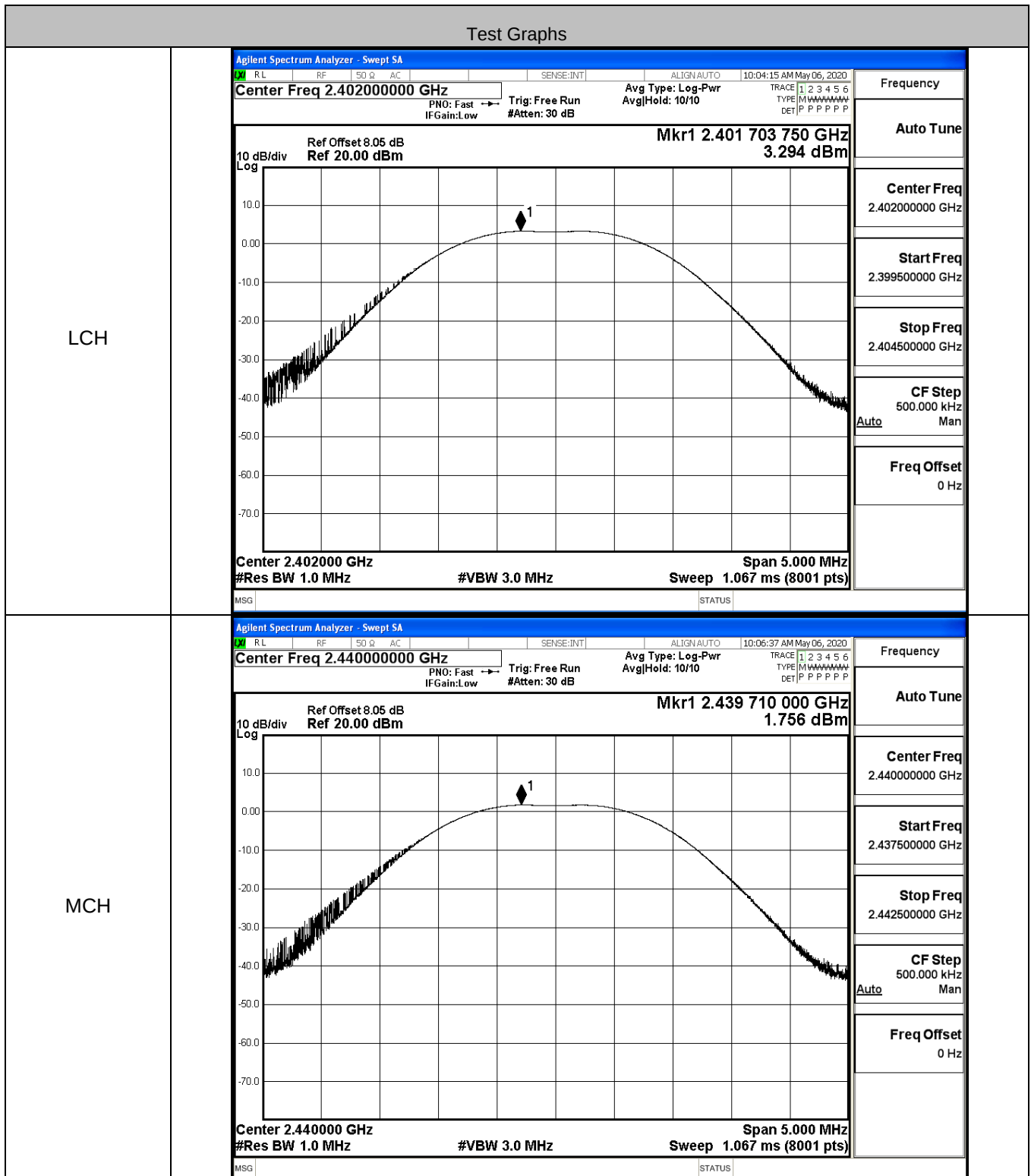
C.1 Duty Cycle

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



C.2 Maximum Conducted Peak Output Power

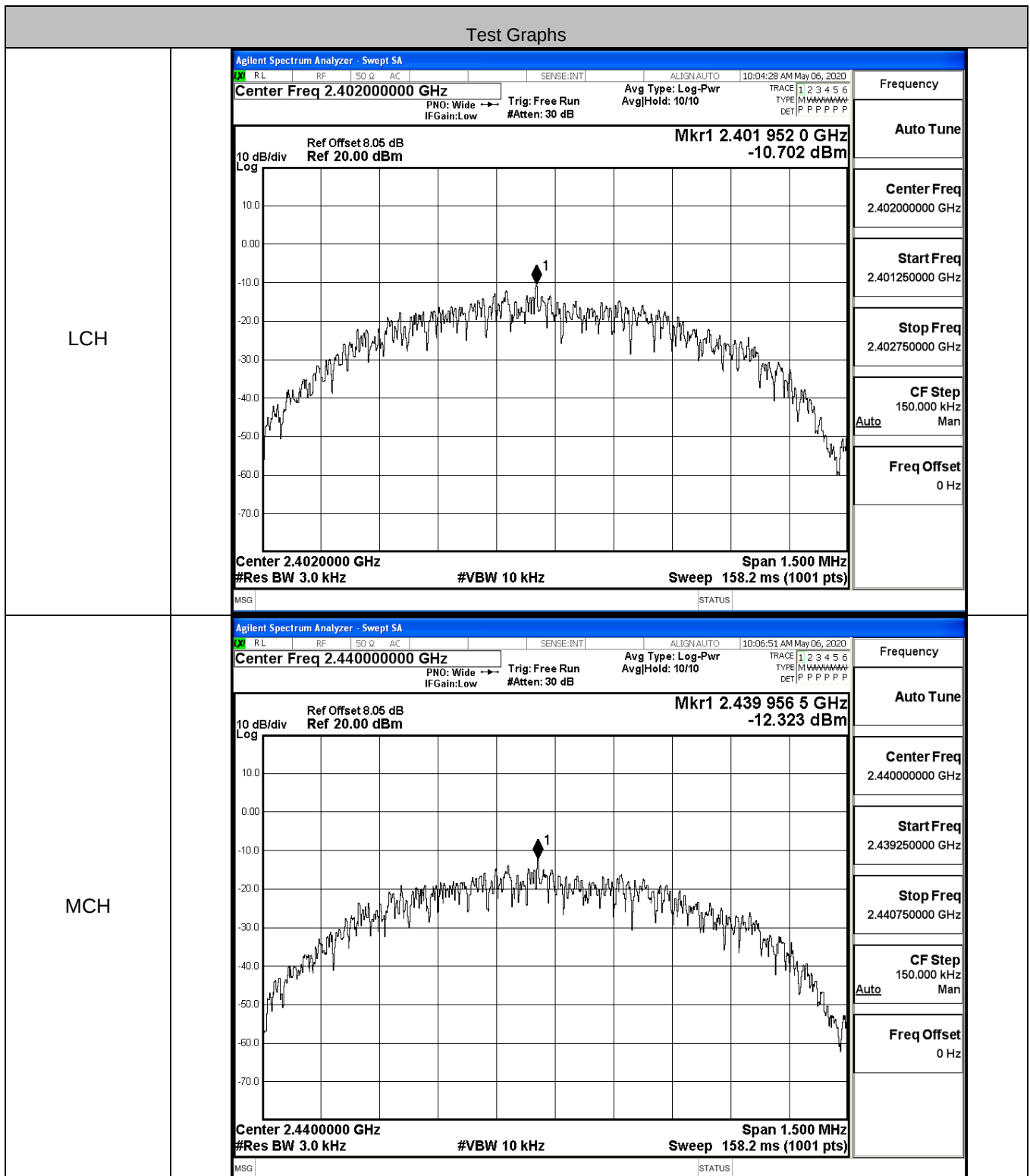
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.294	30	PASS
BT LE	MCH	1.756	30	PASS
BT LE	HCH	1.373	30	PASS

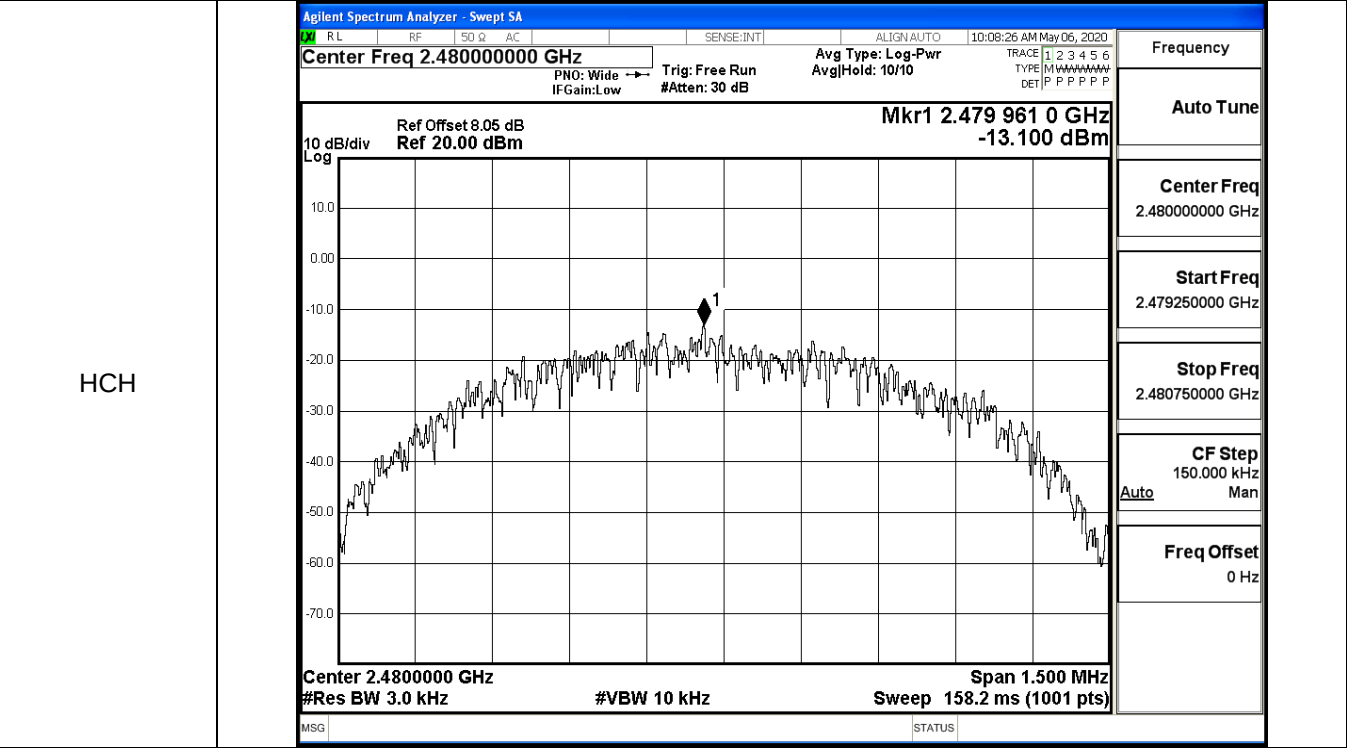




C.3 Maximum Power Spectral Density

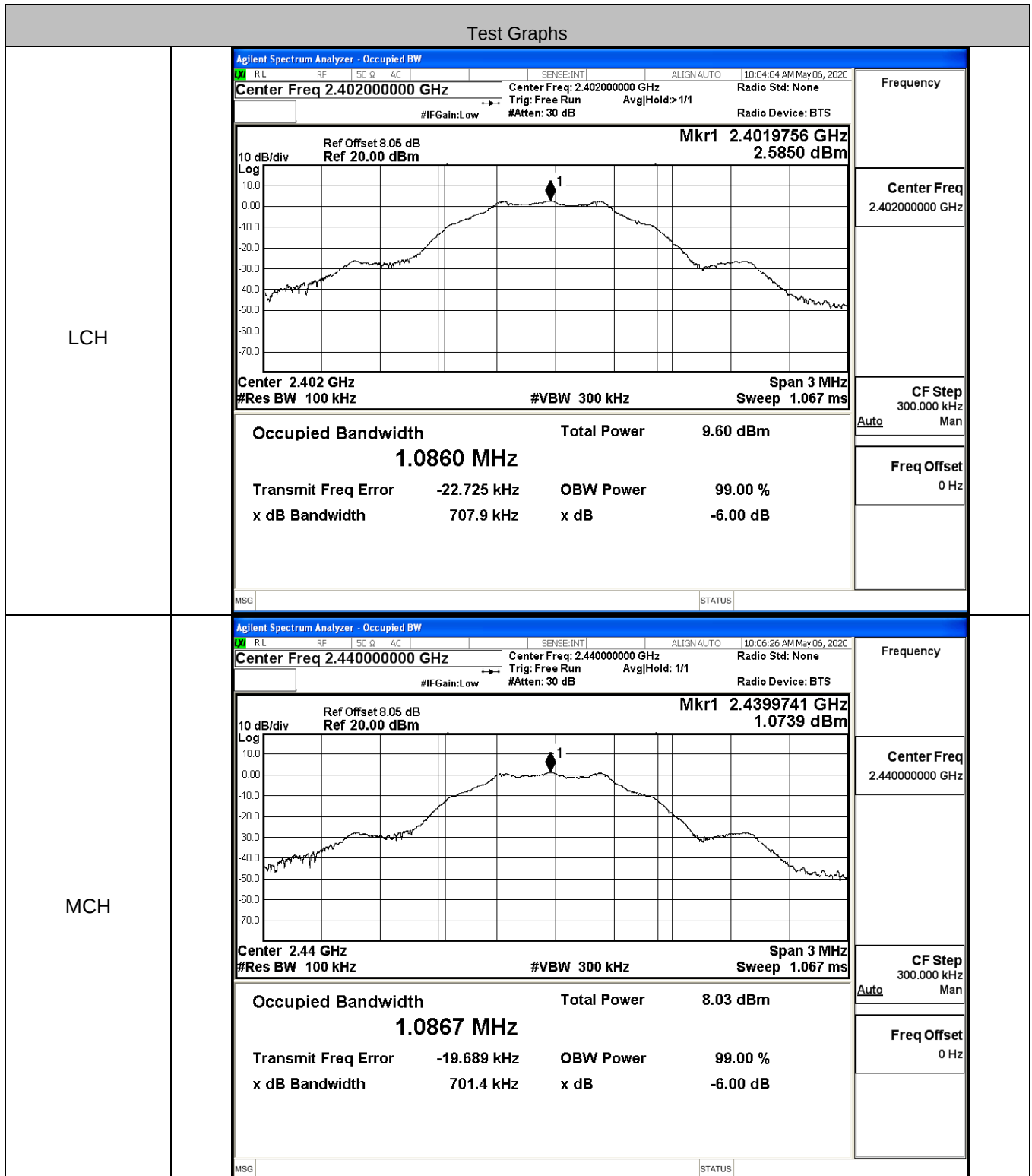
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-10.702	8	PASS
BT LE	MCH	-12.323	8	PASS
BT LE	HCH	-13.100	8	PASS



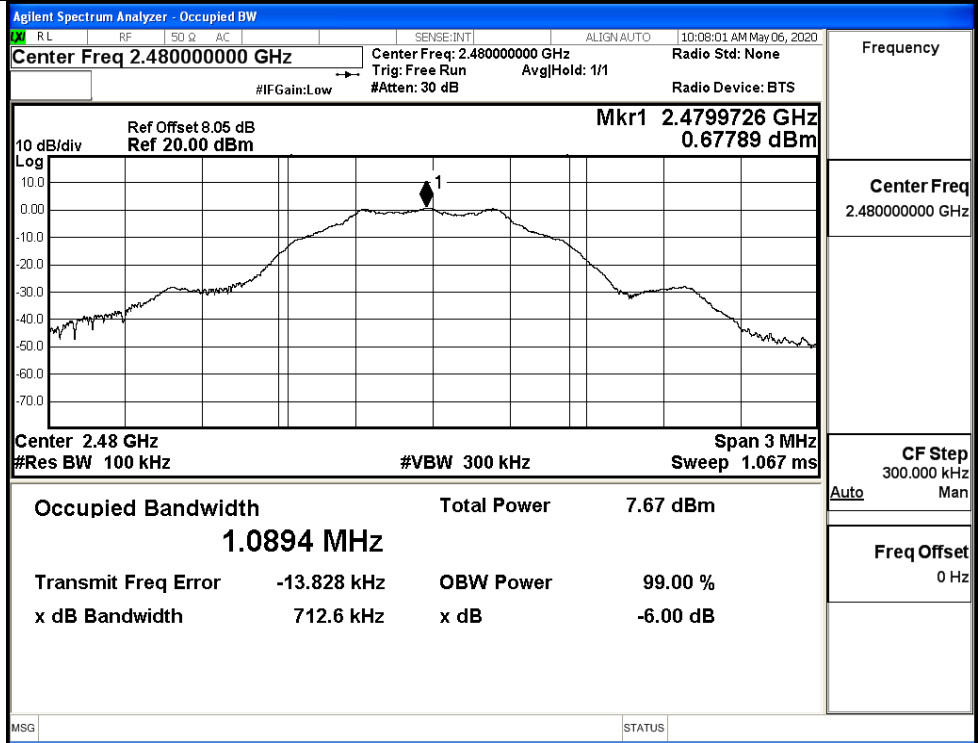


C.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7079	≥ 0.5	PASS
BT LE	MCH	0.7014	≥ 0.5	PASS
BT LE	HCH	0.7126	≥ 0.5	PASS

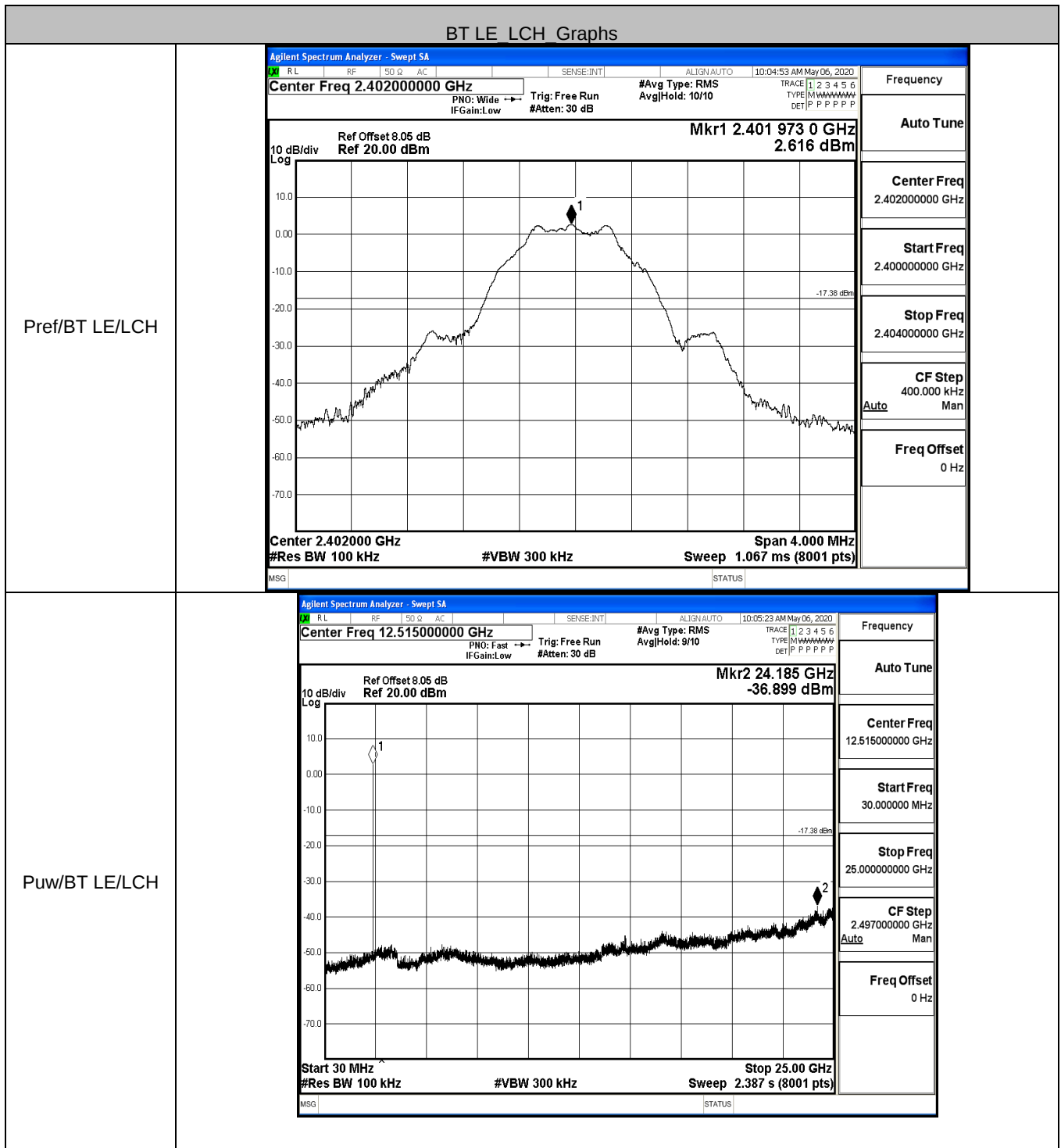


HCH



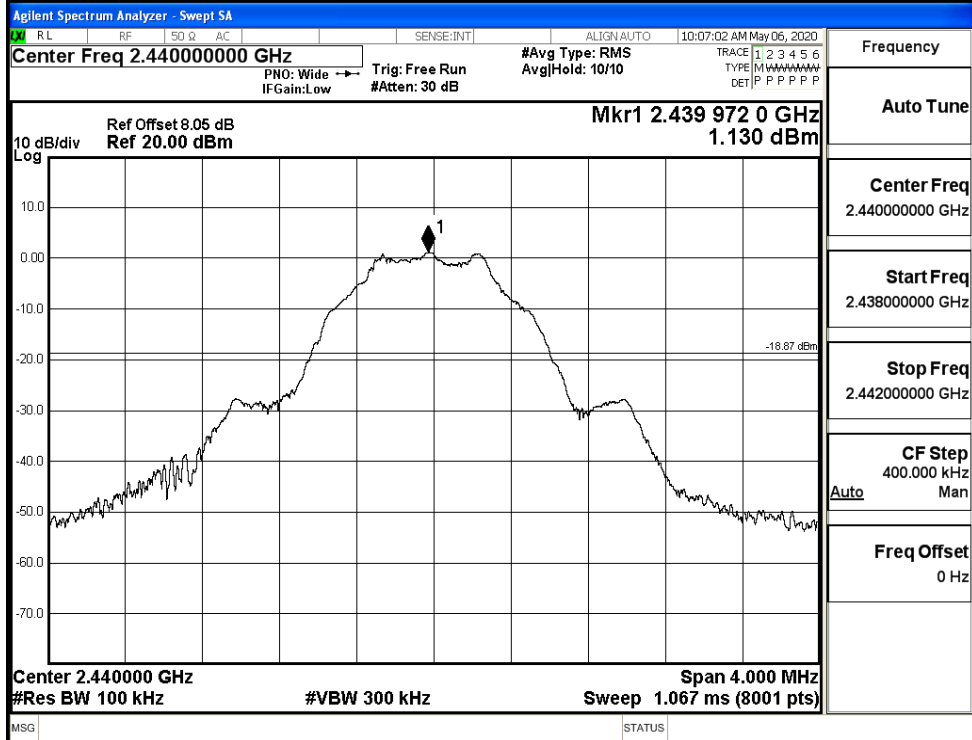
C.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.616	-36.899	-17.384	PASS
BT LE	MCH	1.13	-36.780	-18.870	PASS
BT LE	HCH	0.713	-36.299	-19.287	PASS

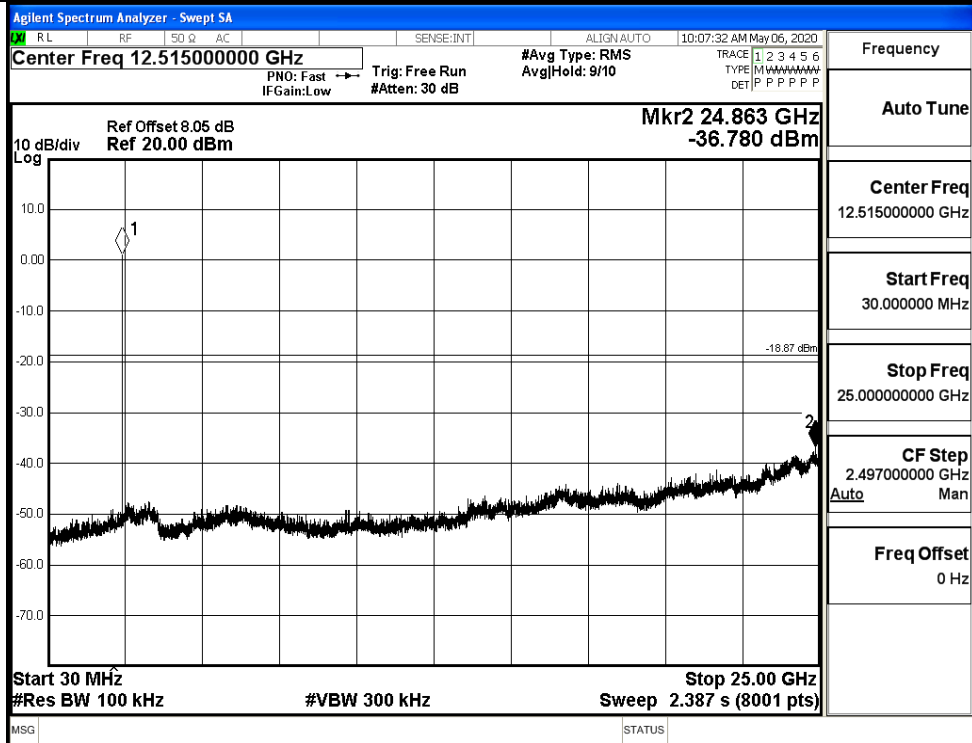


BT LE MCH Graphs

Pref/BT LE/MCH

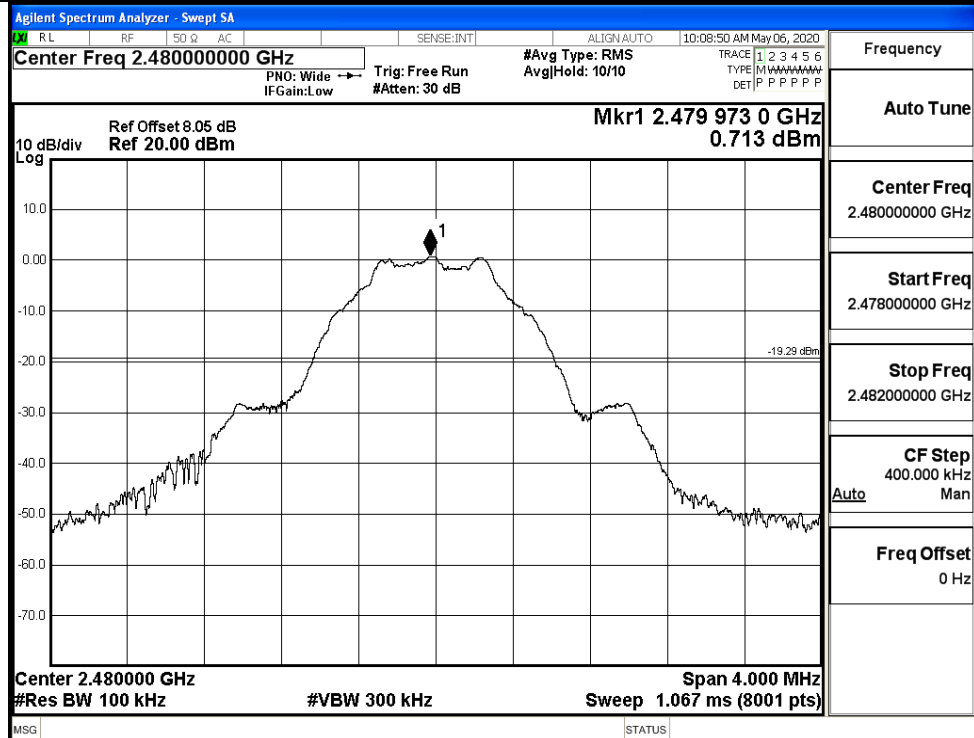


Puw/BT LE/MCH

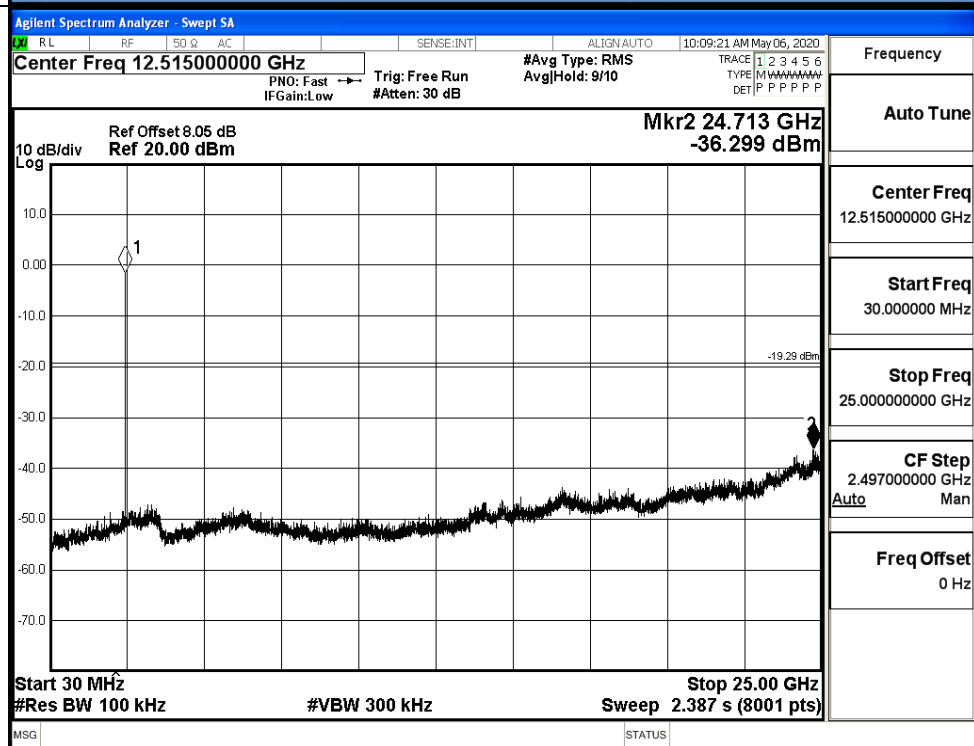


BT LE HCH Graphs

Pref/BT LE/HCH

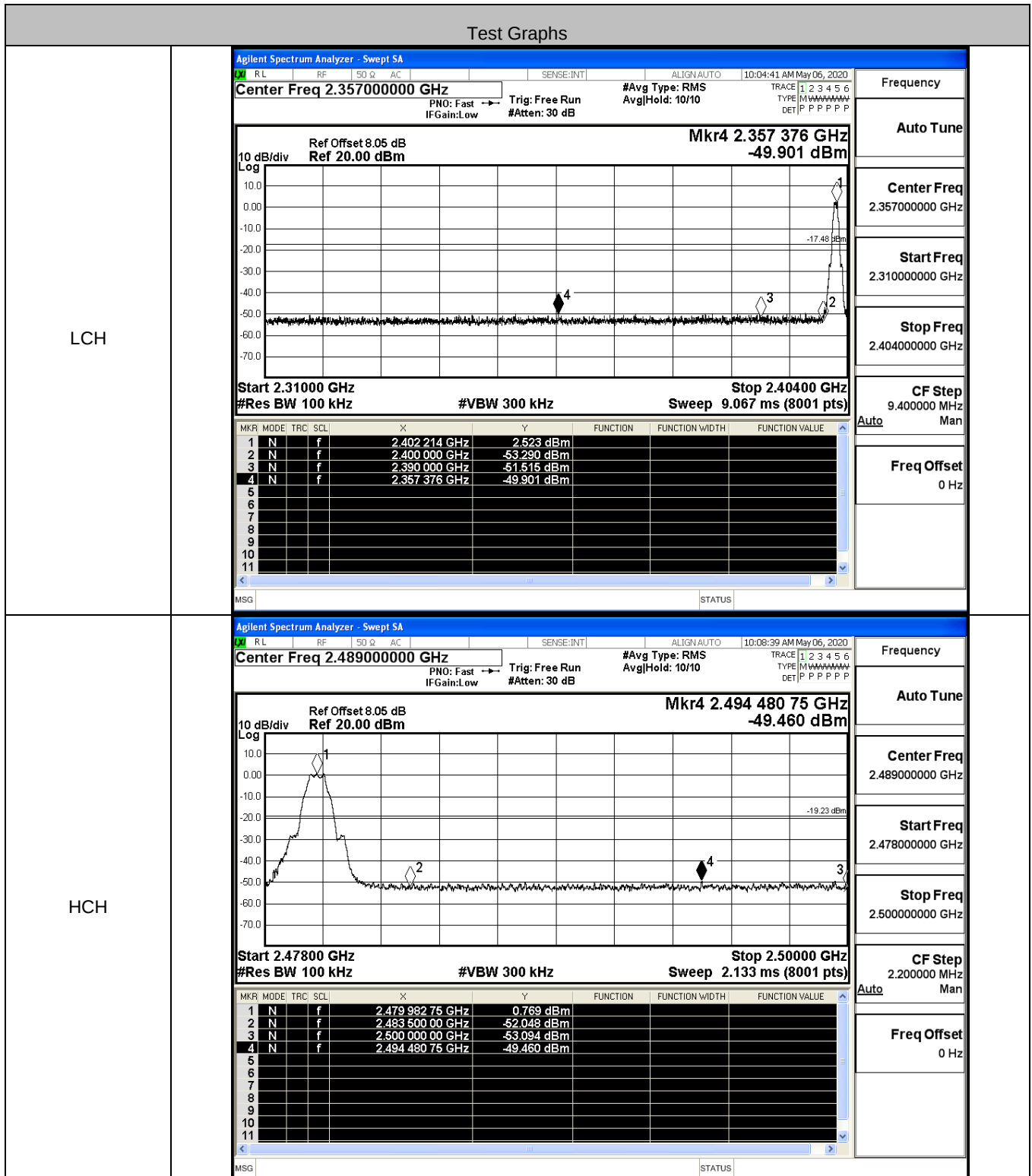


Puw/BT LE/HCH



C.6 Band-edge for RF Conducted Emissions

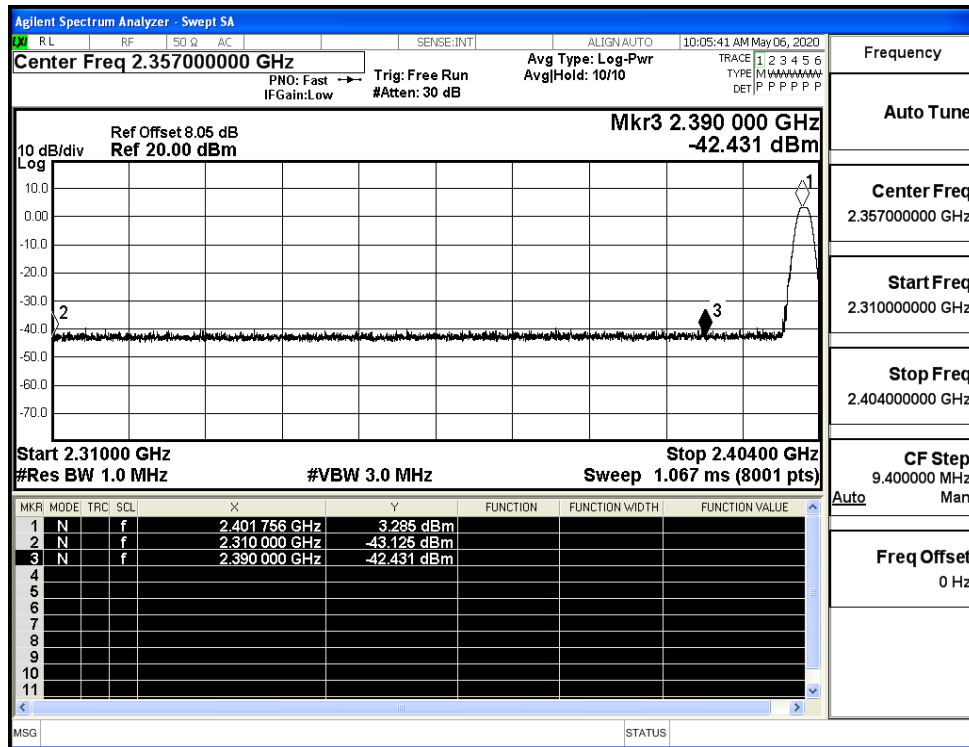
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.523	-49.901	-17.48	PASS
BT LE	HCH	0.769	-49.460	-19.23	PASS



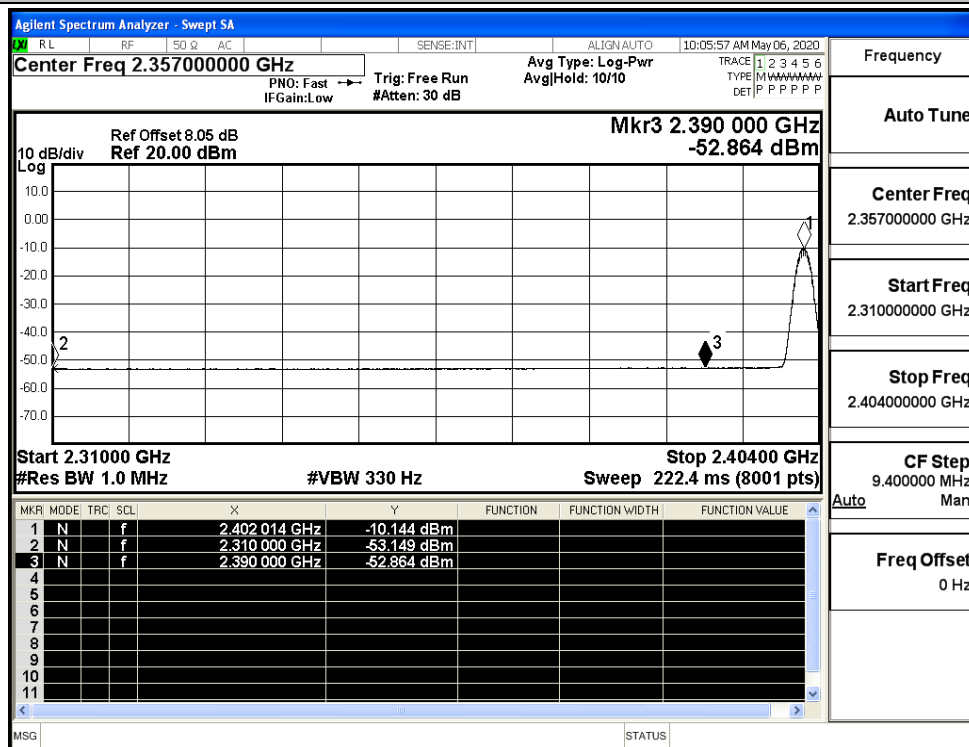
B.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BT LE	2402	Ant1	2310.0	-43.13	2.0	0	54.10	PEAK	74	PASS
		Ant1	2310.0	-53.15	2.0	0	44.08	AV	54	PASS
		Ant1	2390.0	-42.43	2.0	0	54.80	PEAK	74	PASS
		Ant1	2390.0	-52.86	2.0	0	44.37	AV	54	PASS
	2480	Ant1	2483.5	-42.41	2.0	0	54.82	PEAK	74	PASS
		Ant1	2483.5	-52.36	2.0	0	44.87	AV	54	PASS
		Ant1	2500.0	-41.48	2.0	0	55.75	PEAK	74	PASS
		Ant1	2500.0	-52.25	2.0	0	44.98	AV	54	PASS

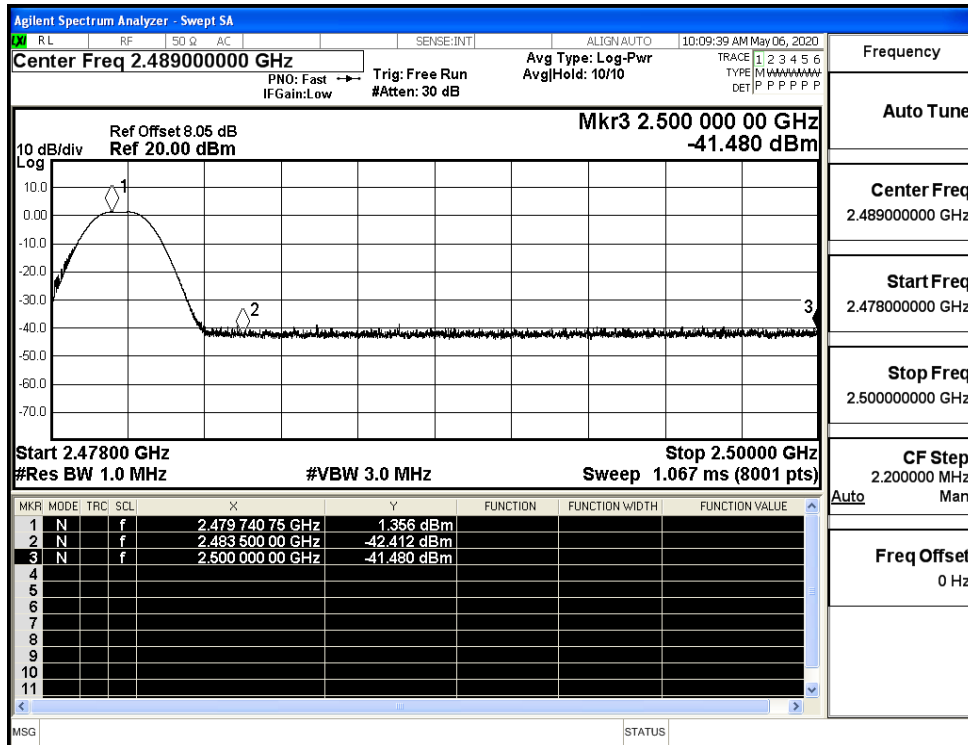
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

