

Appendix B

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

Product Name: Formuler Z10 Pro Max

Trade Mark: FORMULER

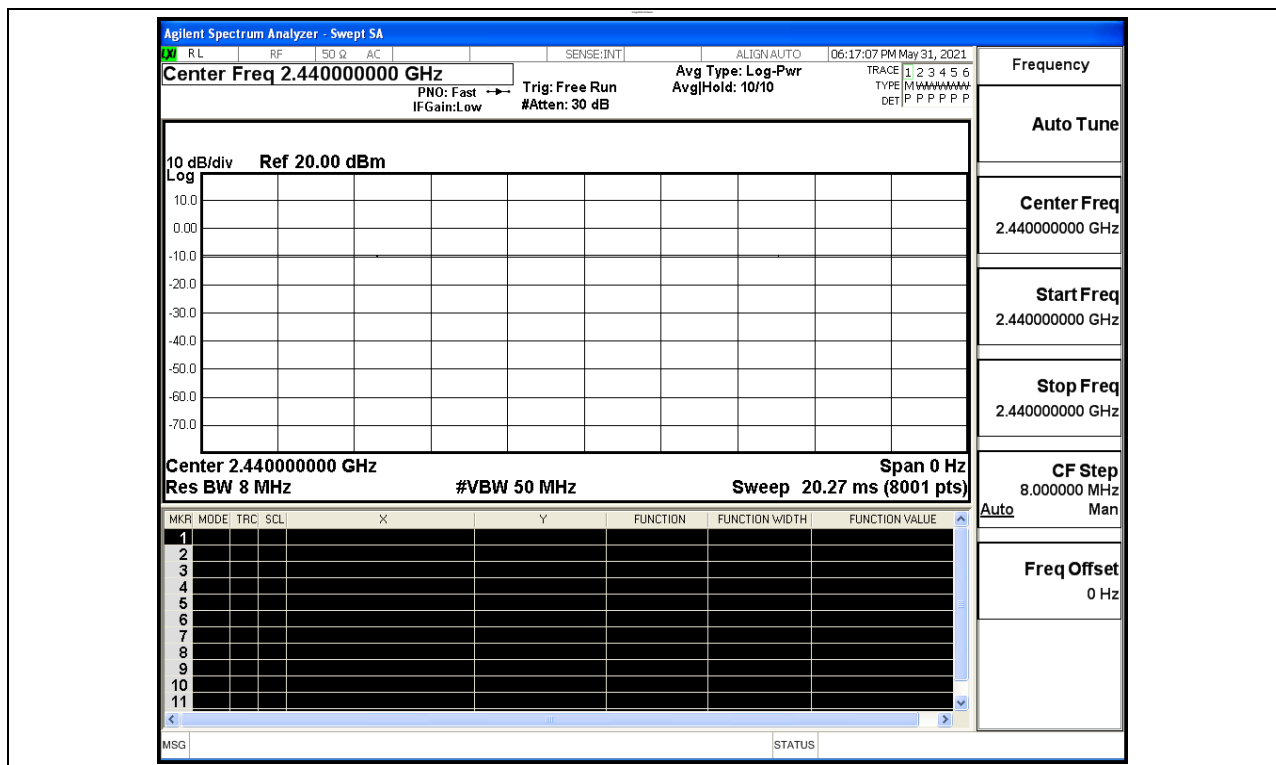
Test Model: Z10 Pro Max

Environmental Conditions

Temperature:	23.7 ° C
Relative Humidity:	51.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

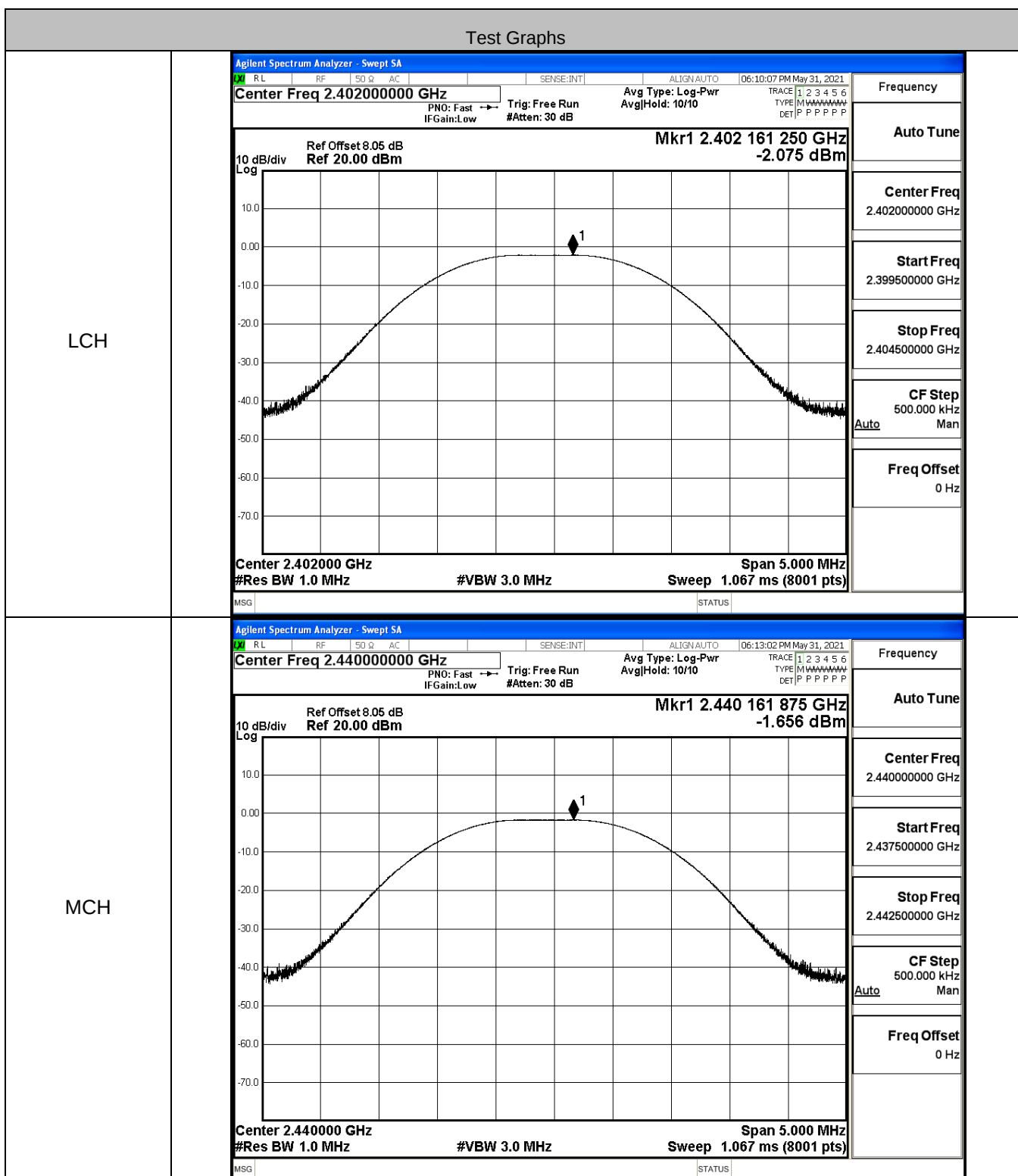
B.1 Duty Cycle

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

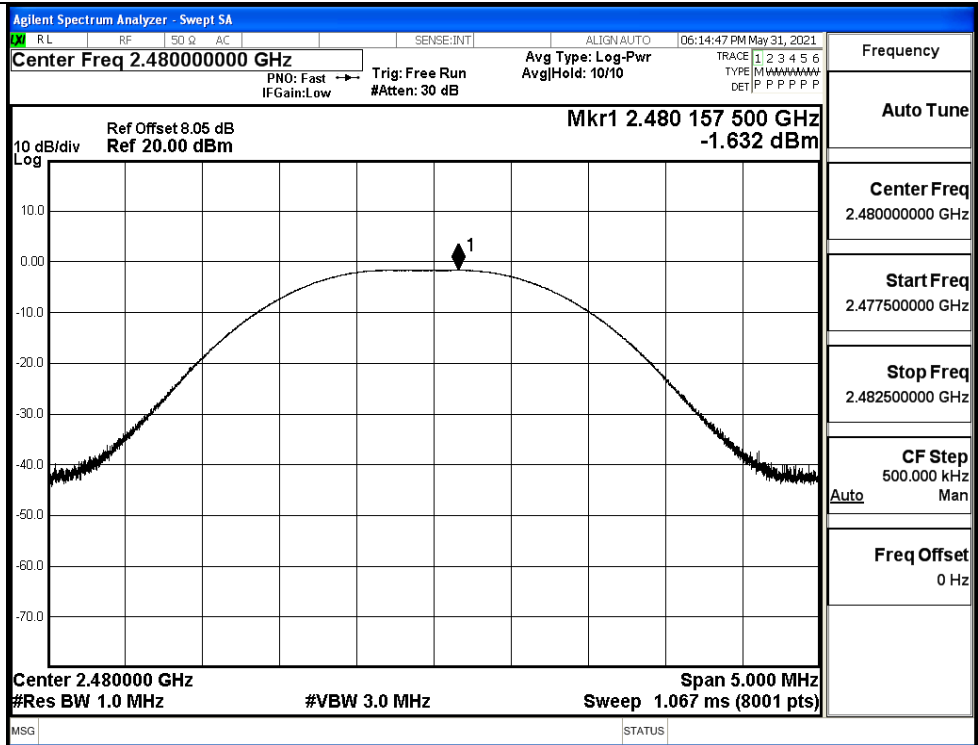


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.075	30	PASS
BT LE	MCH	-1.656	30	PASS
BT LE	HCH	-1.632	30	PASS



HCH

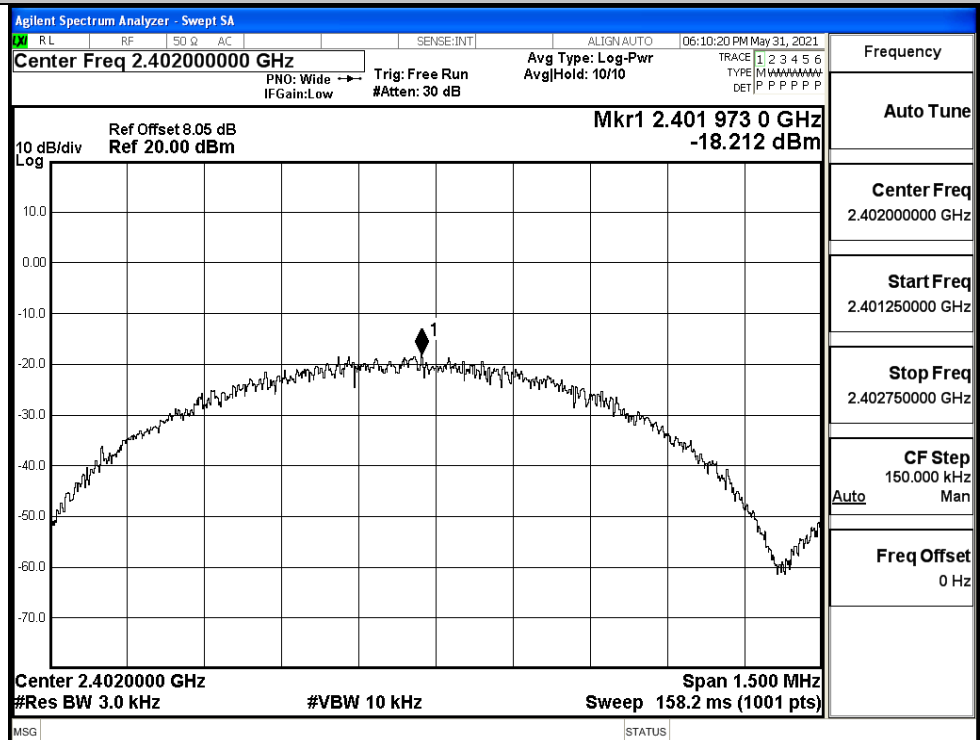


B.3 Maximum Power Spectral Density

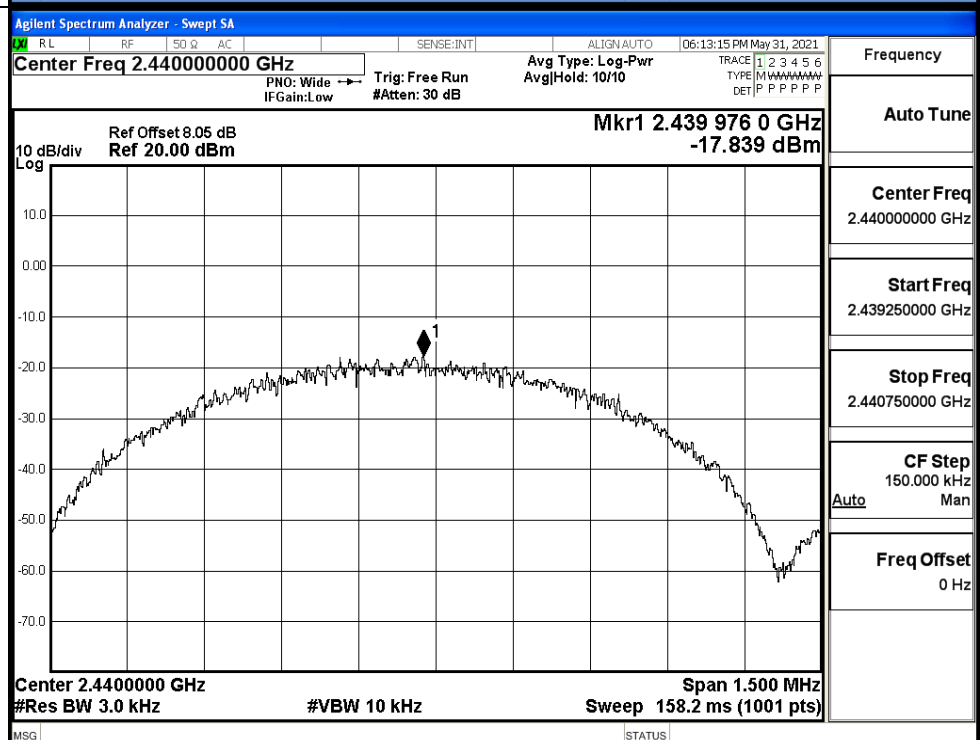
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-18.212	8	PASS
BT LE	MCH	-17.839	8	PASS
BT LE	HCH	-17.100	8	PASS

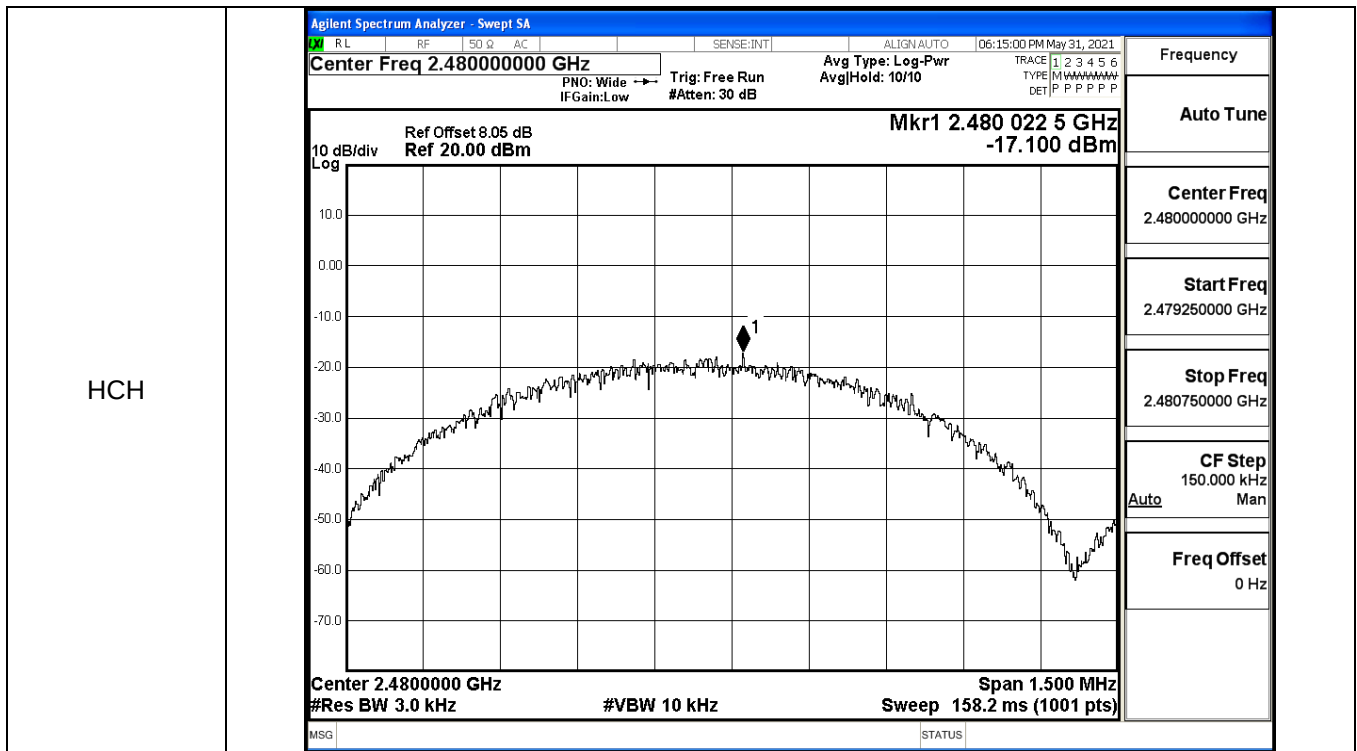
Test Graphs

LCH



MCH



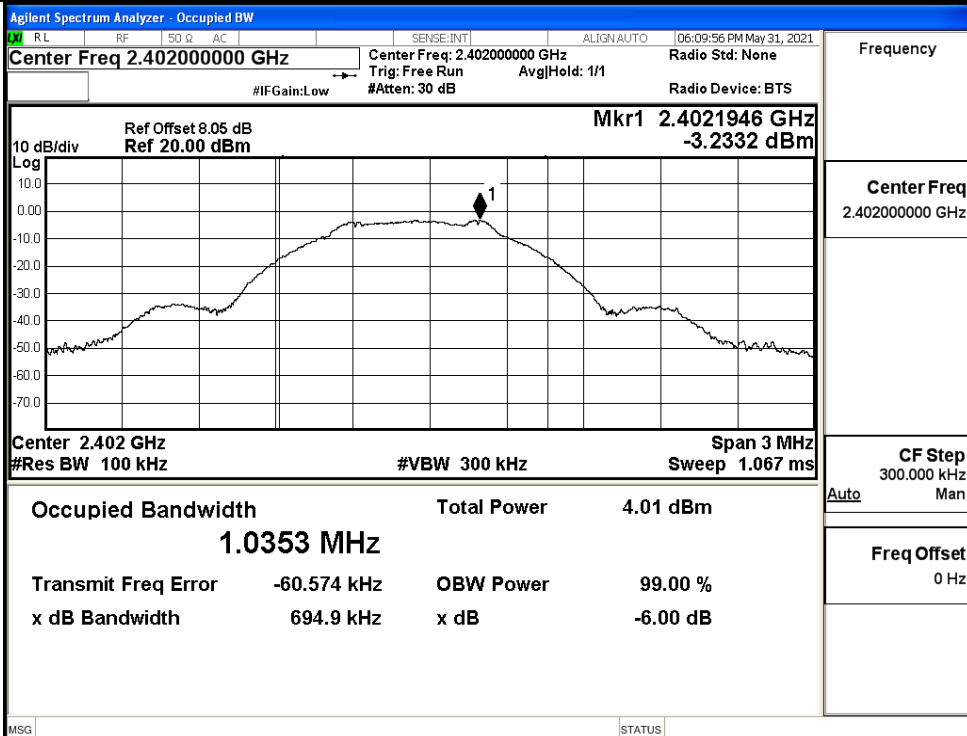


B.4 6dB Bandwidth

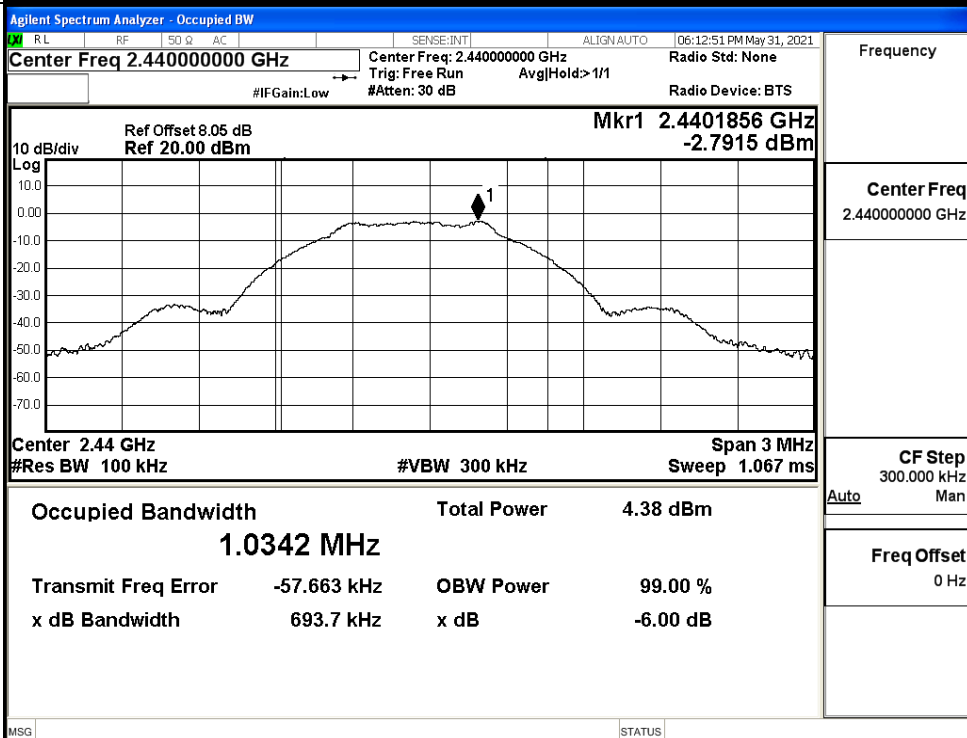
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6949	≥ 0.5	PASS
BT LE	MCH	0.6937	≥ 0.5	PASS
BT LE	HCH	0.7037	≥ 0.5	PASS

Test Graphs

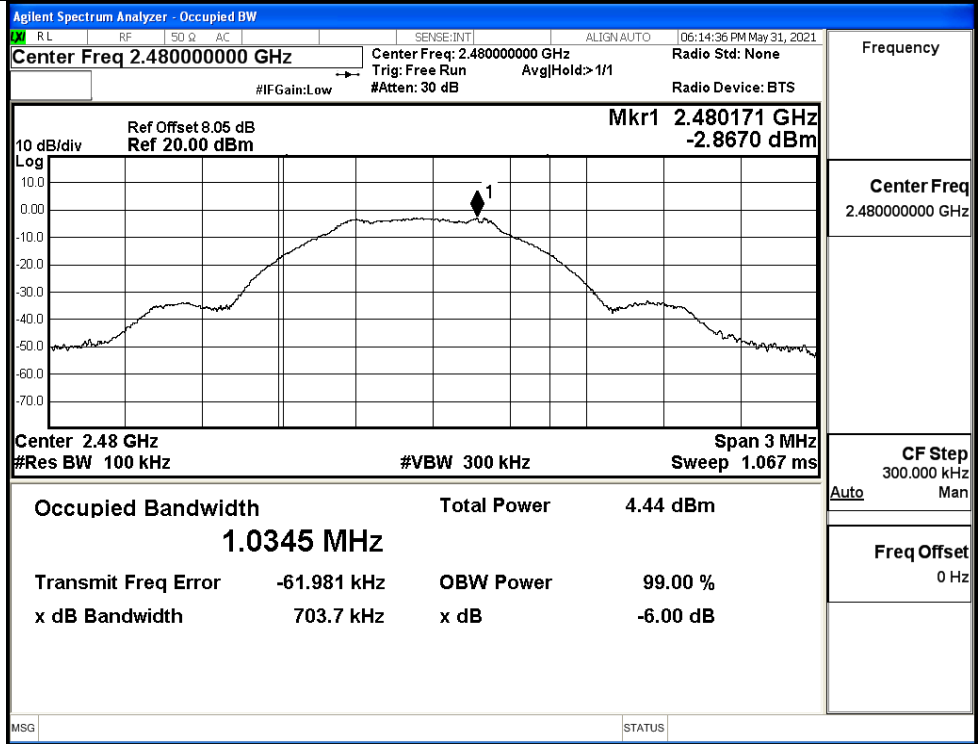
LCH



MCH

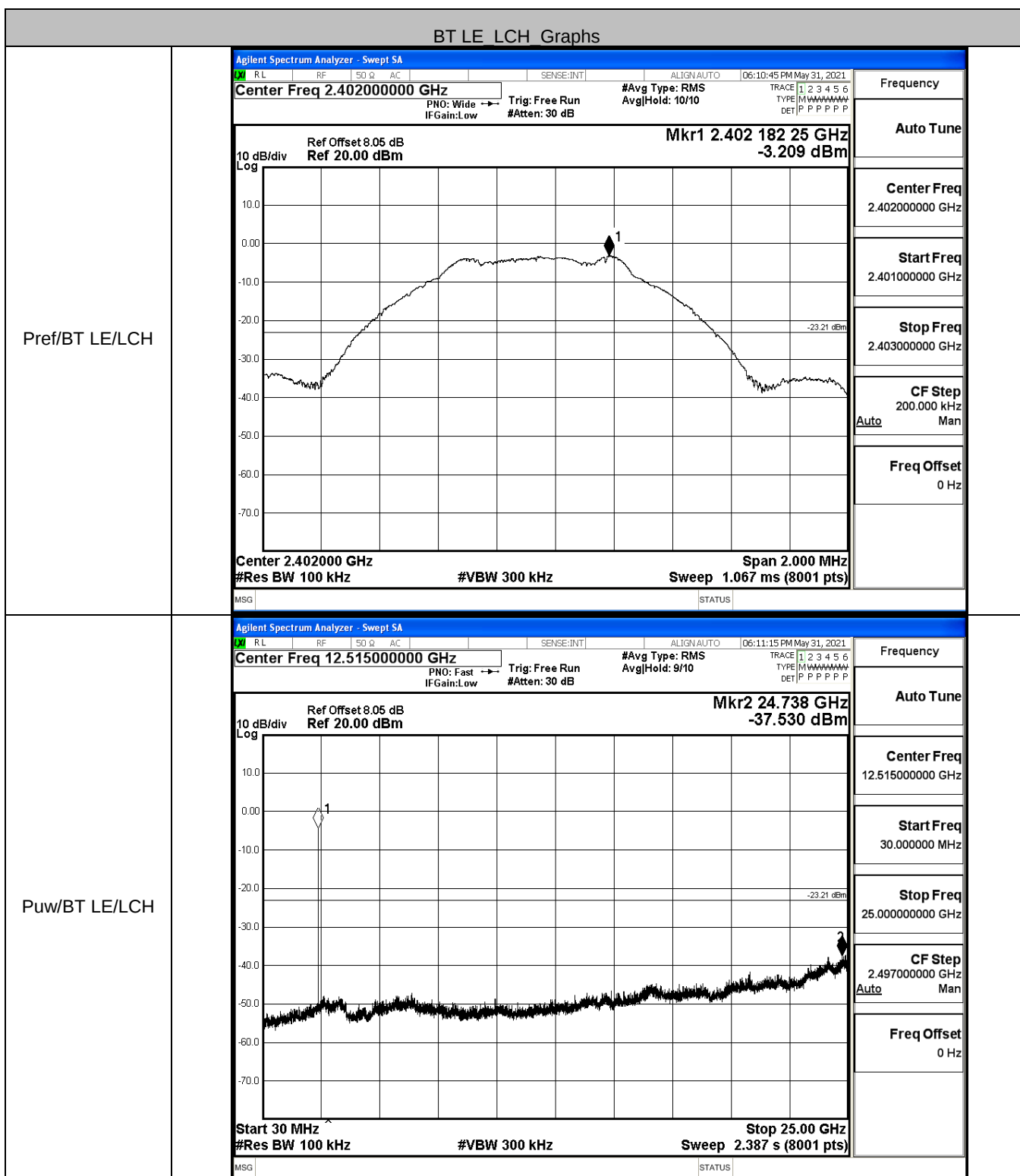


HCH



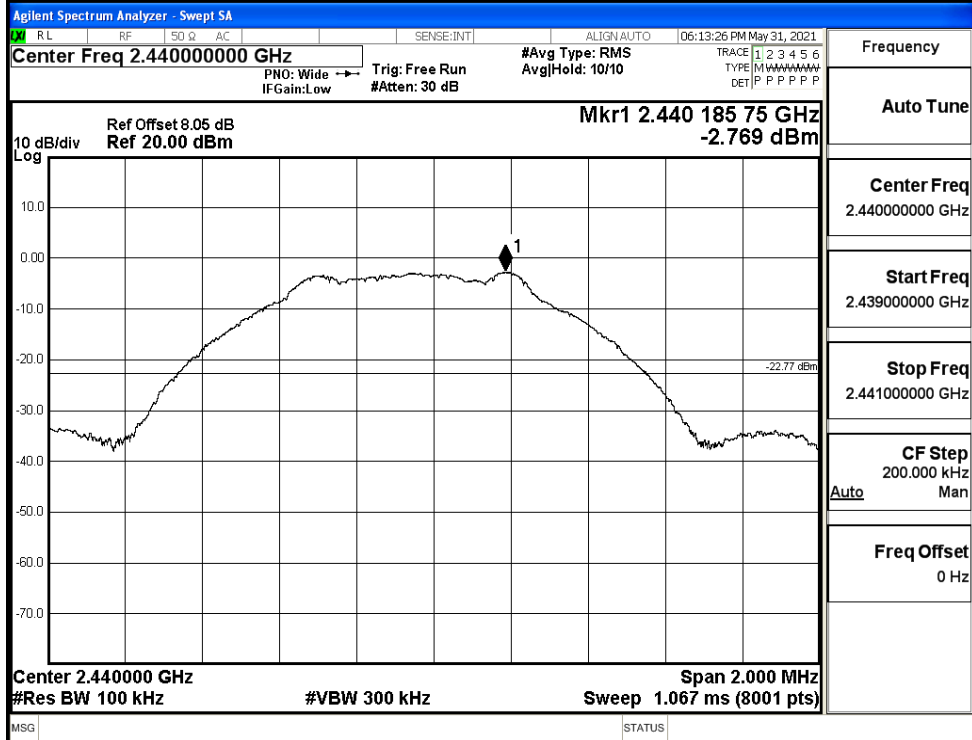
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.209	-37.530	-23.209	PASS
BT LE	MCH	-2.769	-37.242	-22.769	PASS
BT LE	HCH	-2.758	-37.582	-22.758	PASS

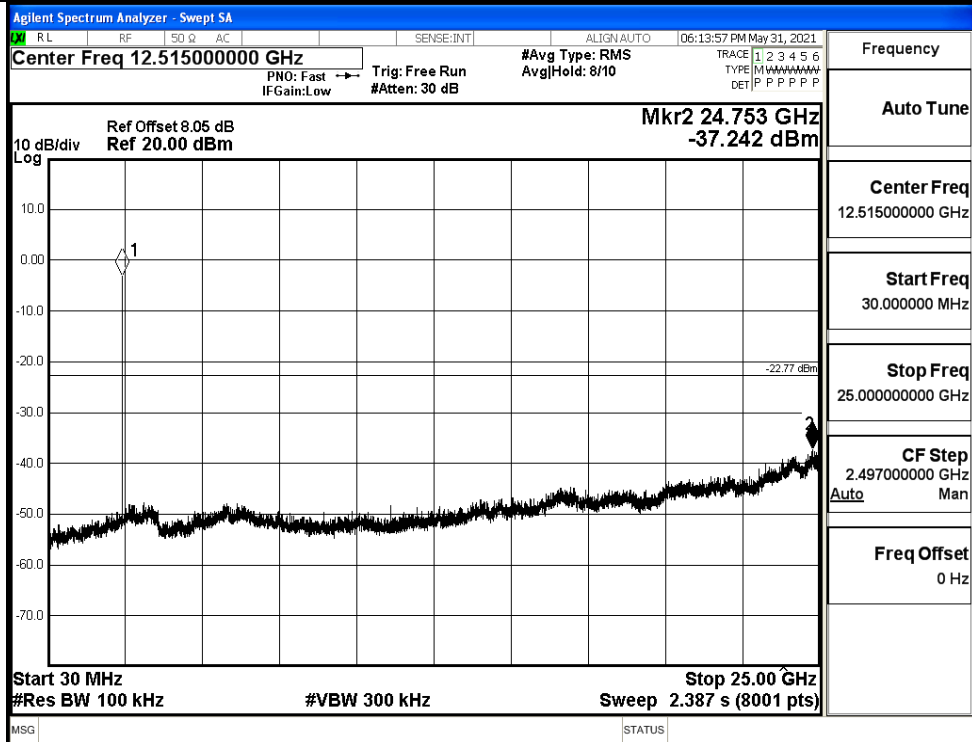


BT LE MCH Graphs

Pref/BT LE/MCH

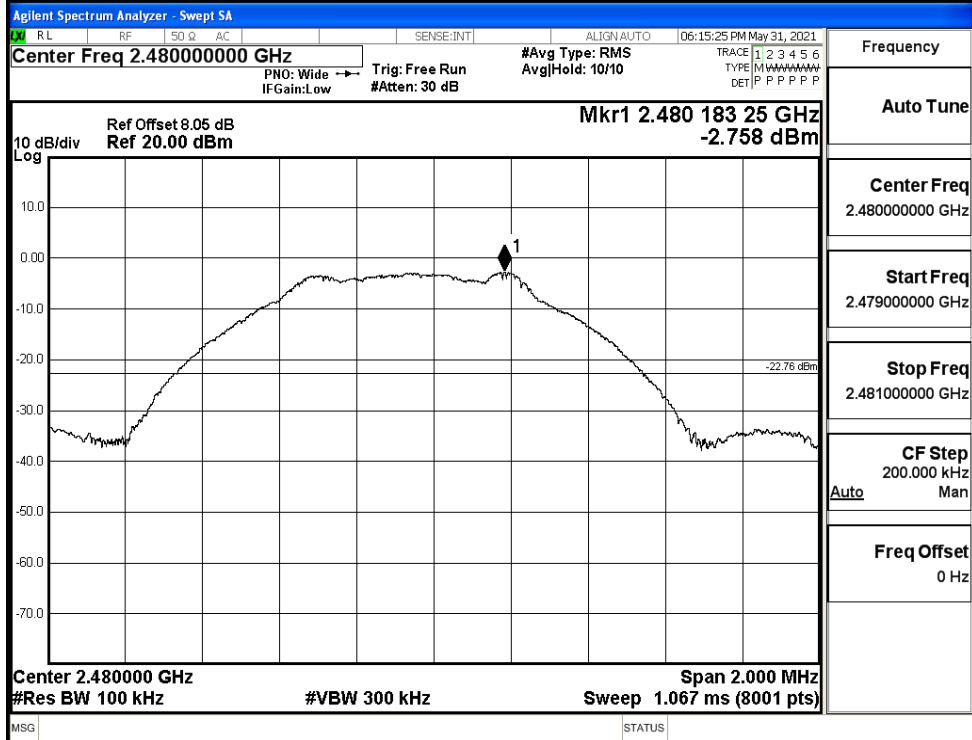


Puw/BT LE/MCH

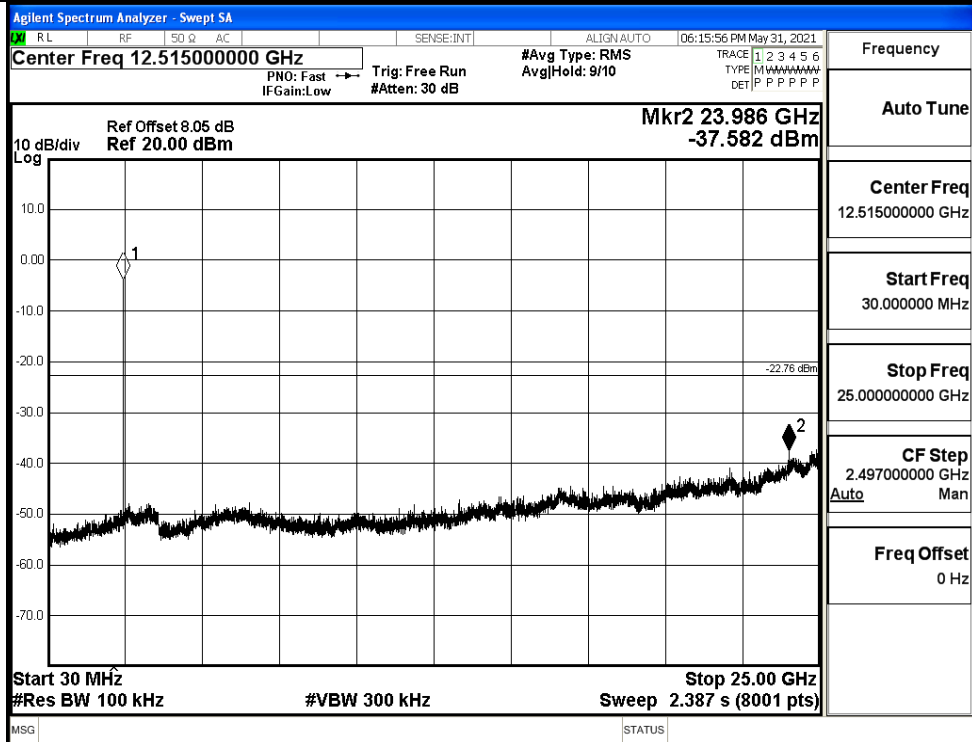


BT LE HCH Graphs

Pref/BT LE/HCH

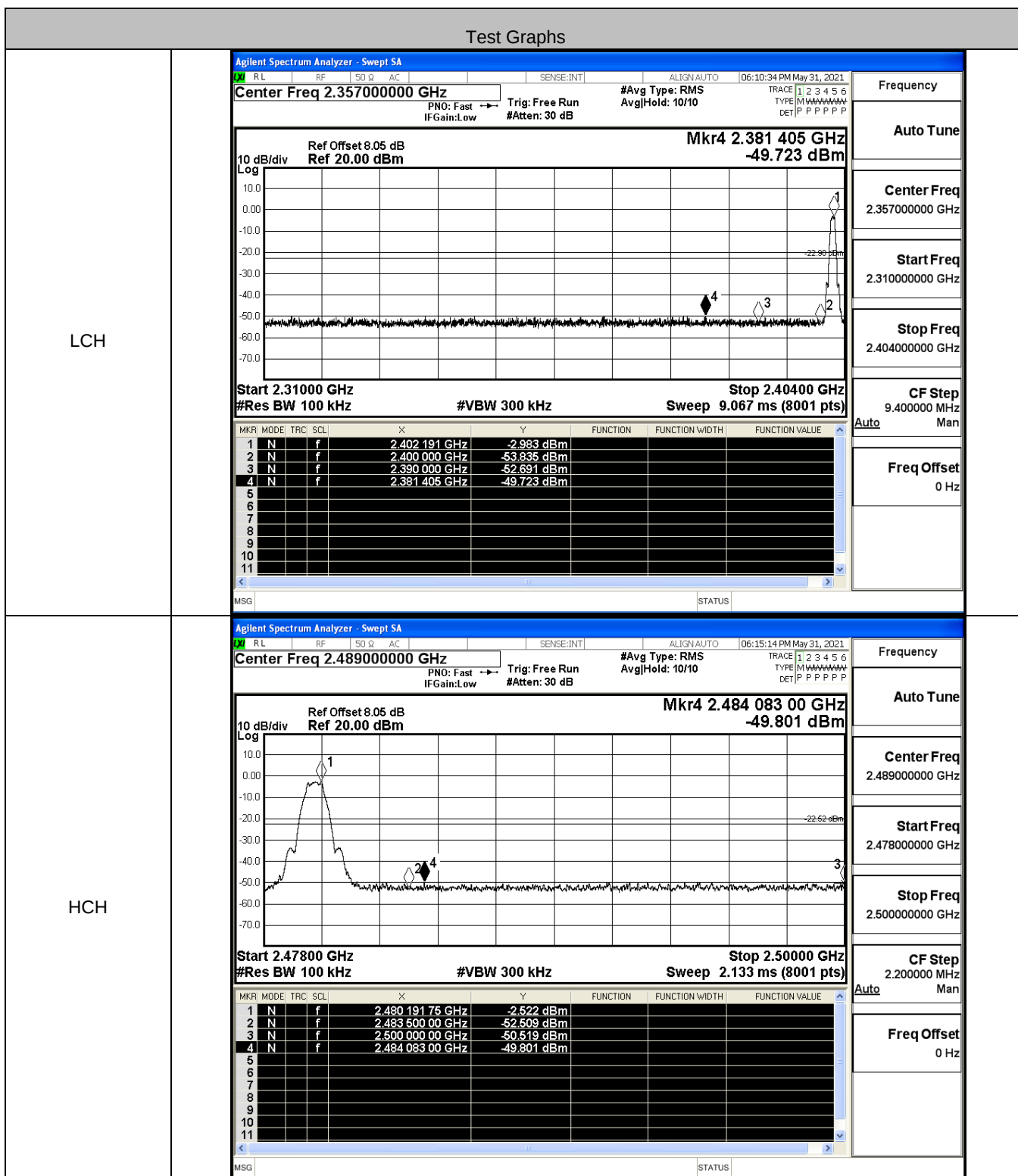


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

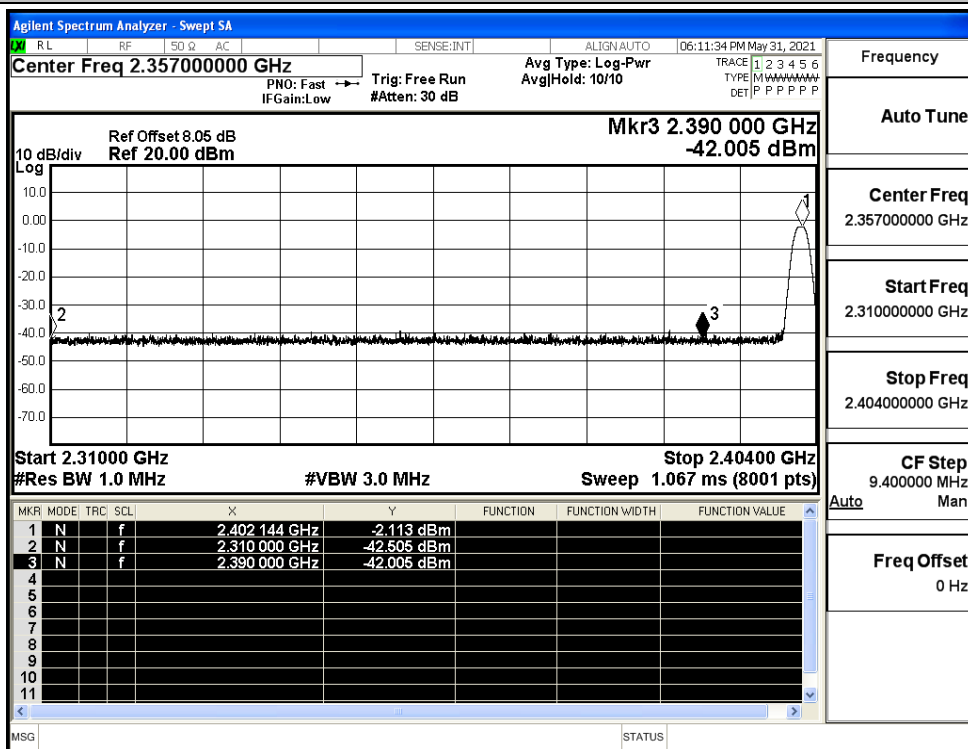
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.983	-49.723	-22.98	PASS
BT LE	HCH	-2.522	-49.801	-22.52	PASS



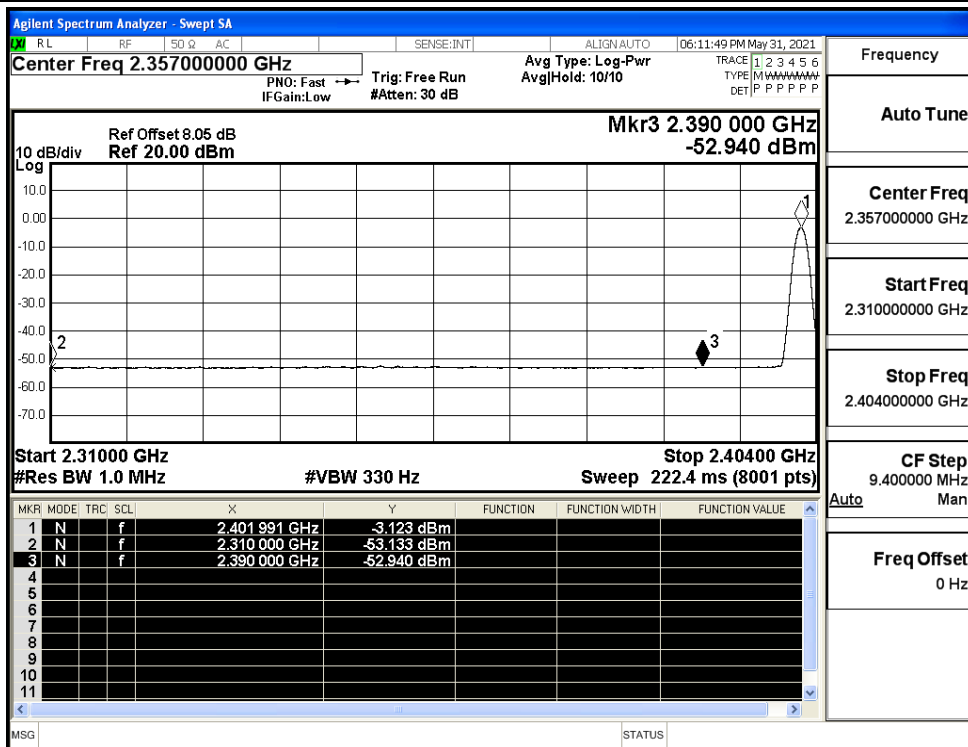
B.7 Restrict-band band-edge measurements

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	-42.51	2.0	0	54.72	PEAK	74	PASS
		Ant1	2310.0	-53.13	2.0	0	44.10	AV	54	PASS
		Ant1	2390.0	-42.01	2.0	0	55.22	PEAK	74	PASS
		Ant1	2390.0	-52.94	2.0	0	44.29	AV	54	PASS
	2480	Ant1	2483.5	-42.70	2.0	0	54.53	PEAK	74	PASS
		Ant1	2483.5	-52.53	2.0	0	44.70	AV	54	PASS
		Ant1	2500.0	-41.49	2.0	0	55.74	PEAK	74	PASS
		Ant1	2500.0	-52.43	2.0	0	44.80	AV	54	PASS

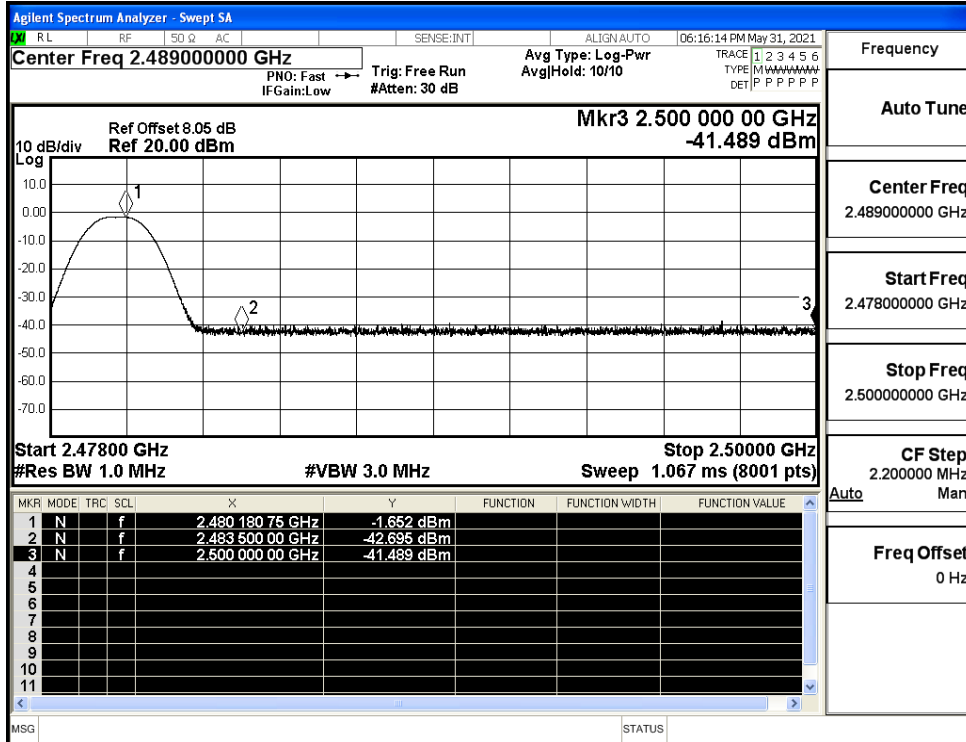
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

