



Appendix B

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

Product Name: Formuler Z10 Pro

Trade Mark: FORMULER

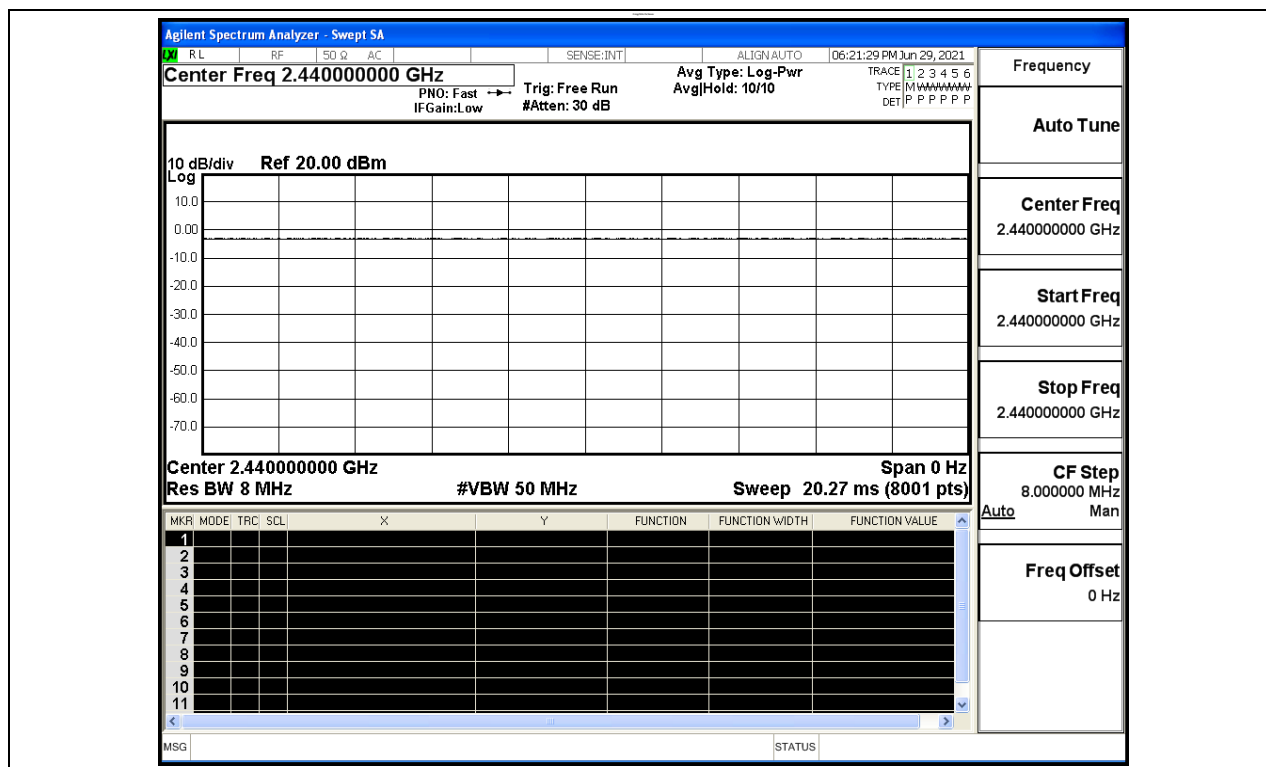
Test Model: Z10 Pro

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

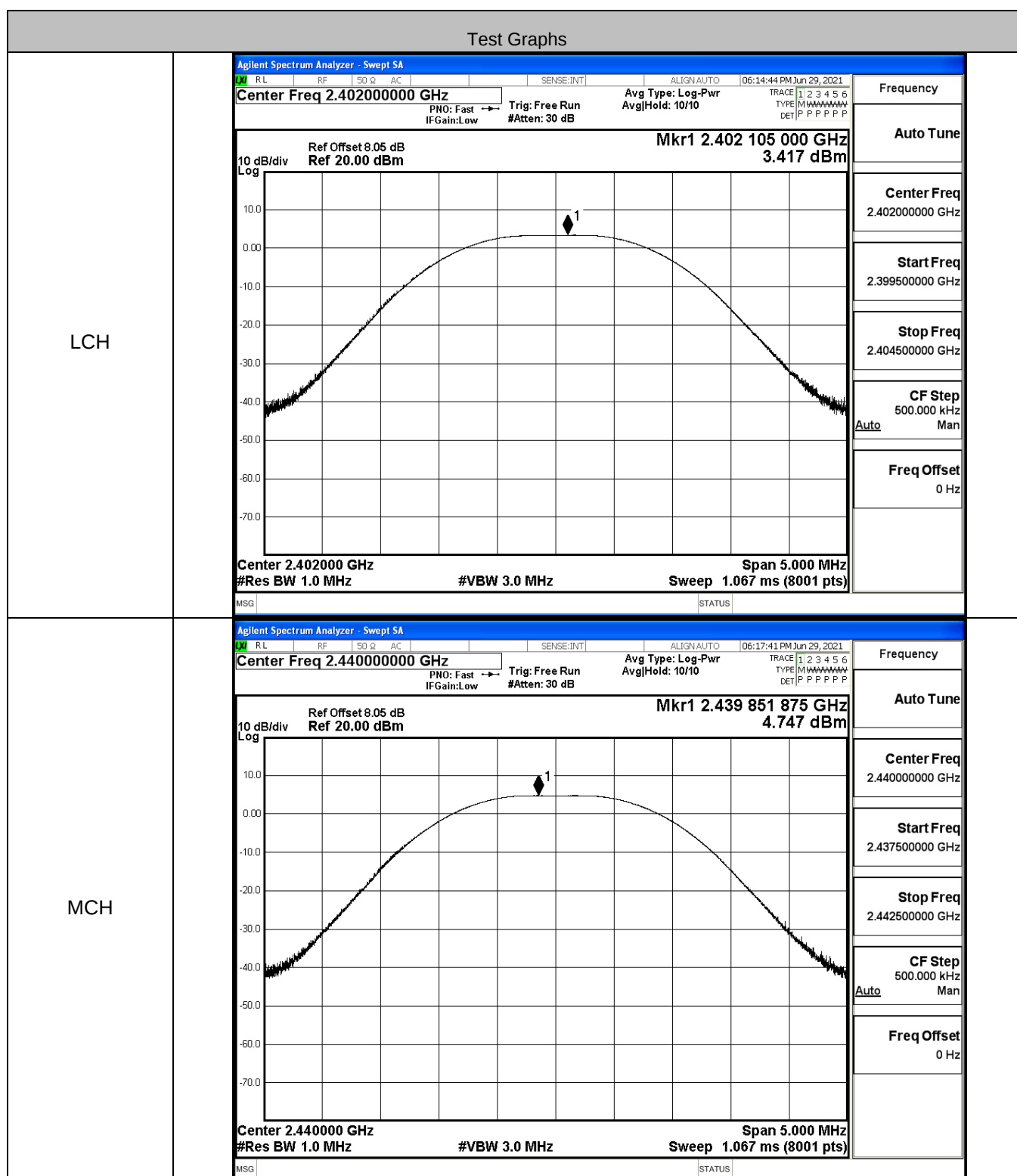
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS

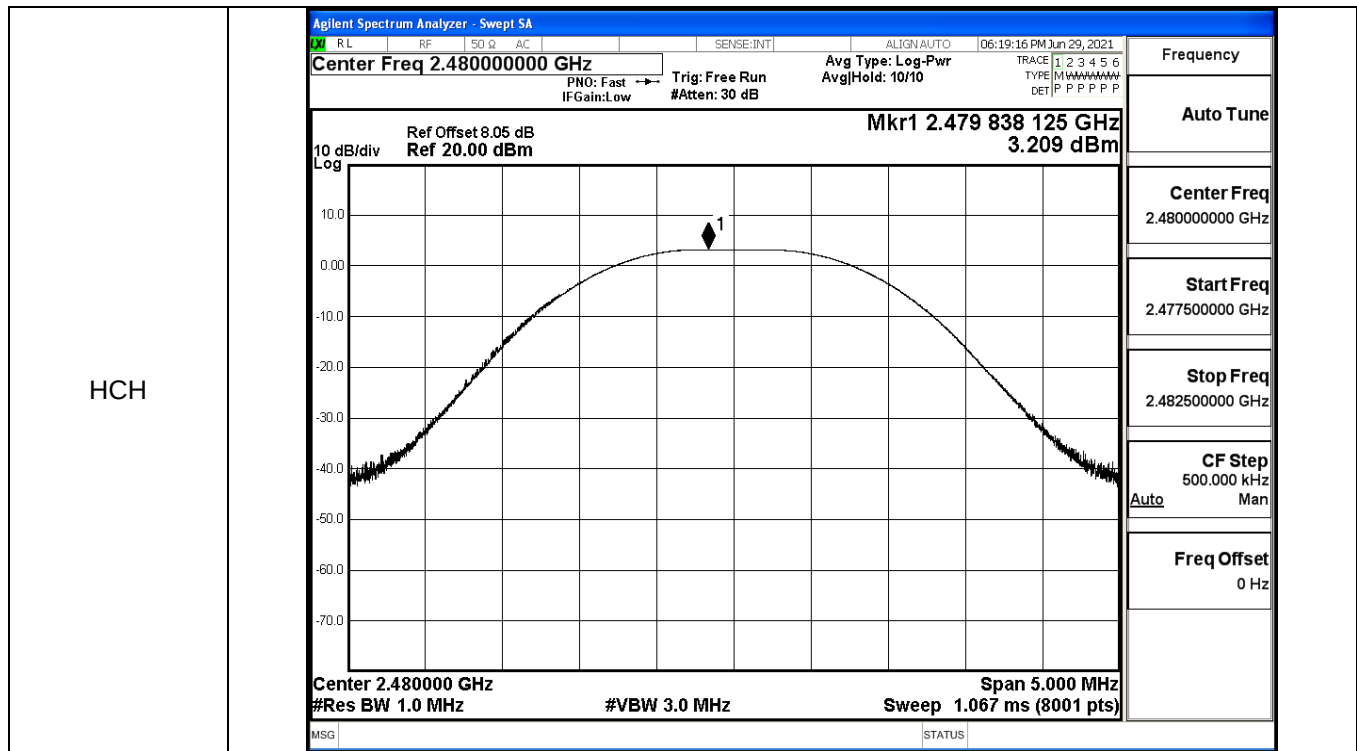




B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.417	30	PASS
BT LE	MCH	4.747	30	PASS
BT LE	HCH	3.209	30	PASS

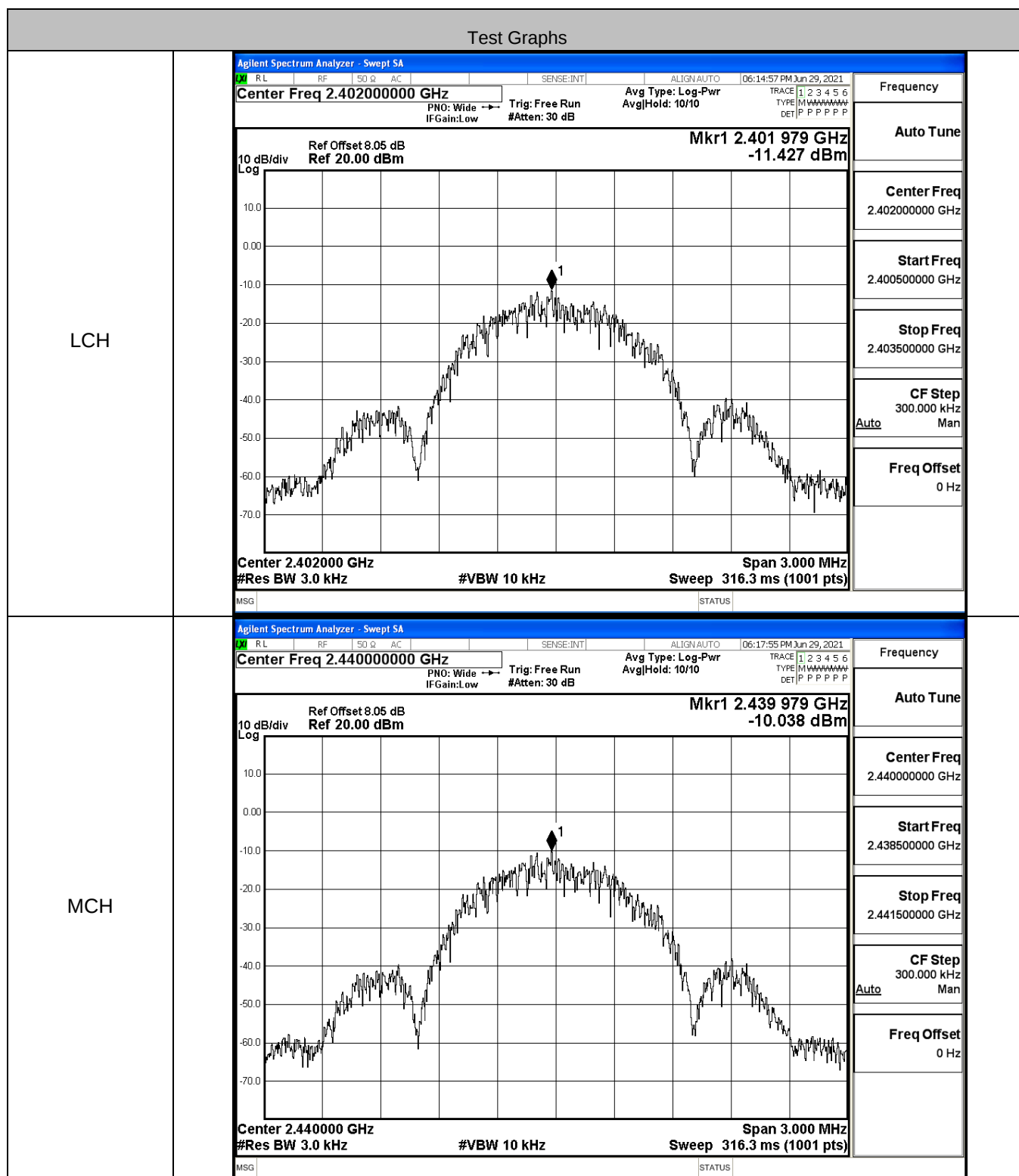


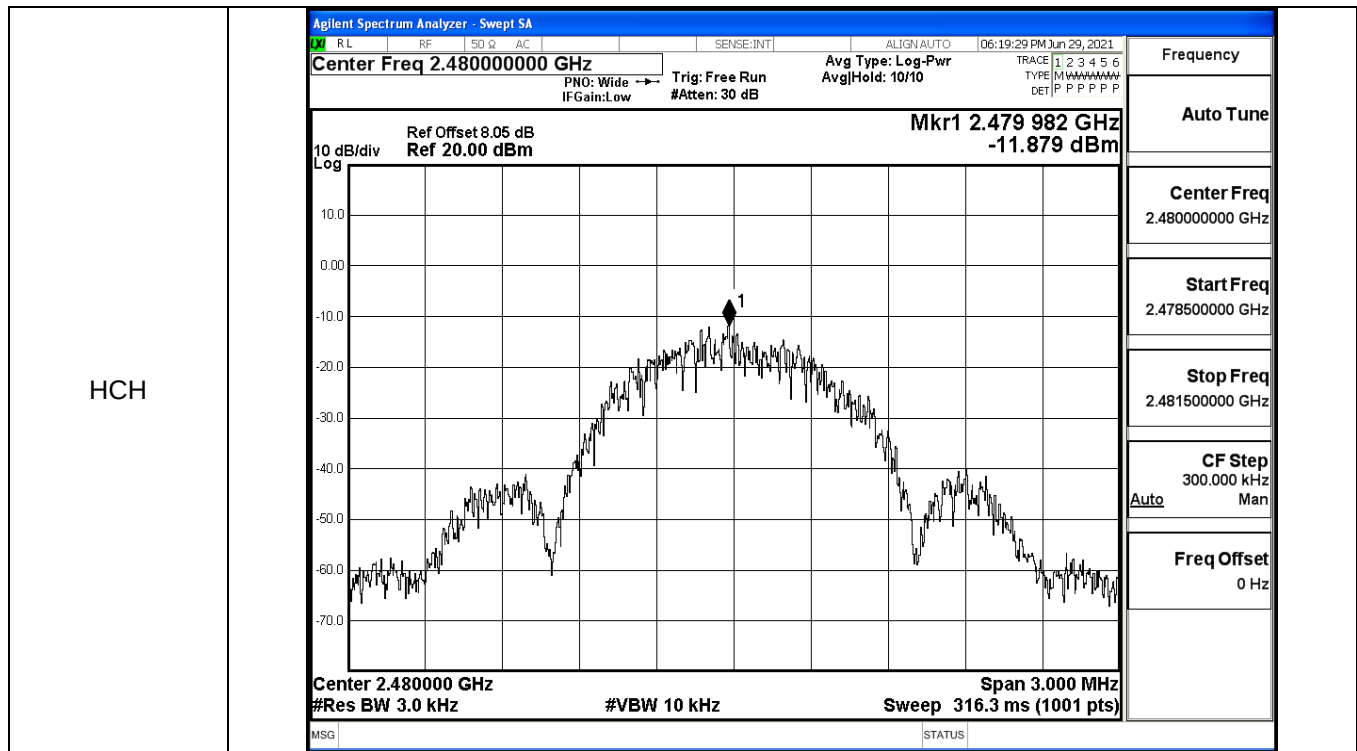




B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.427	8	PASS
BT LE	MCH	-10.038	8	PASS
BT LE	HCH	-11.879	8	PASS

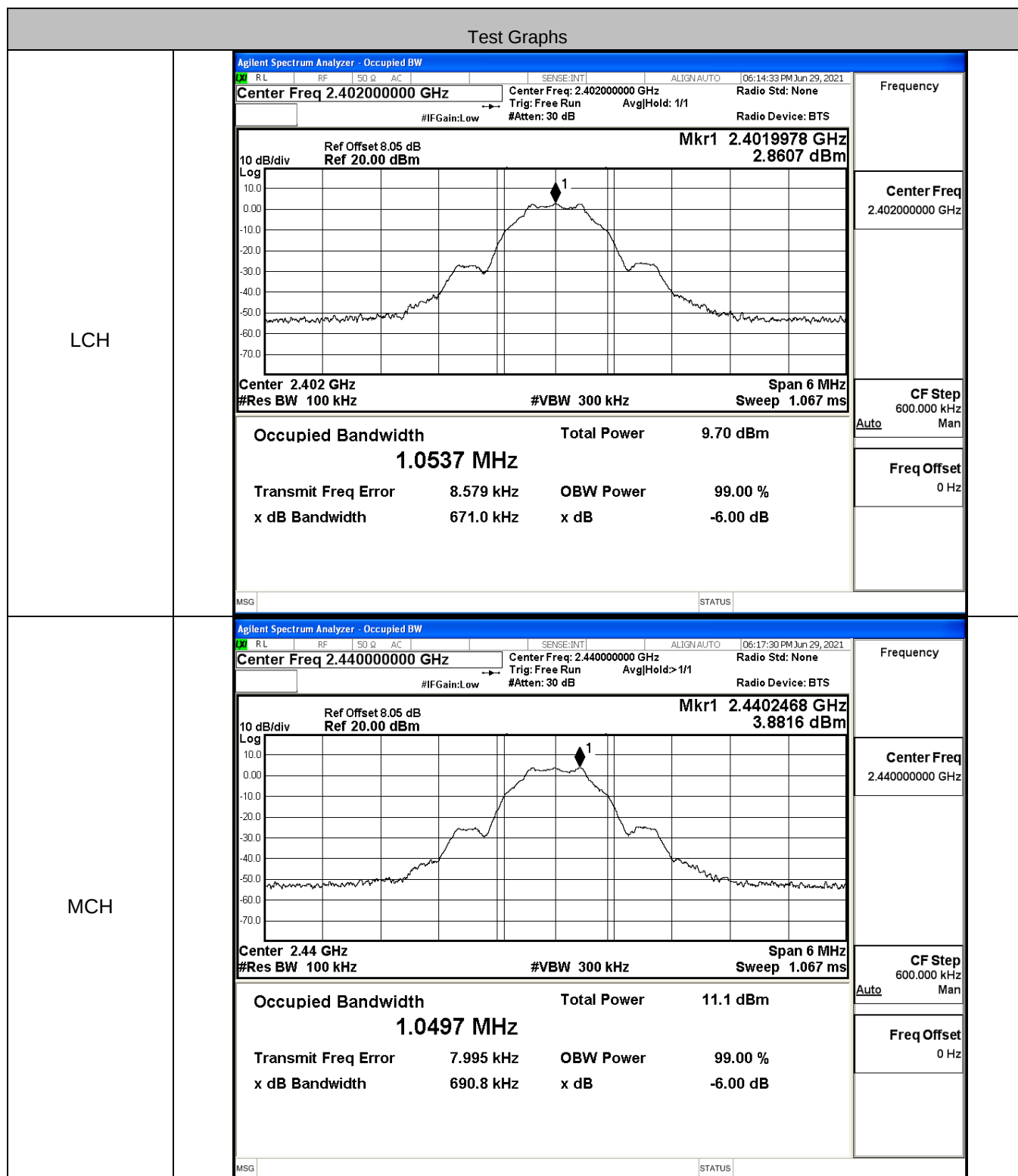


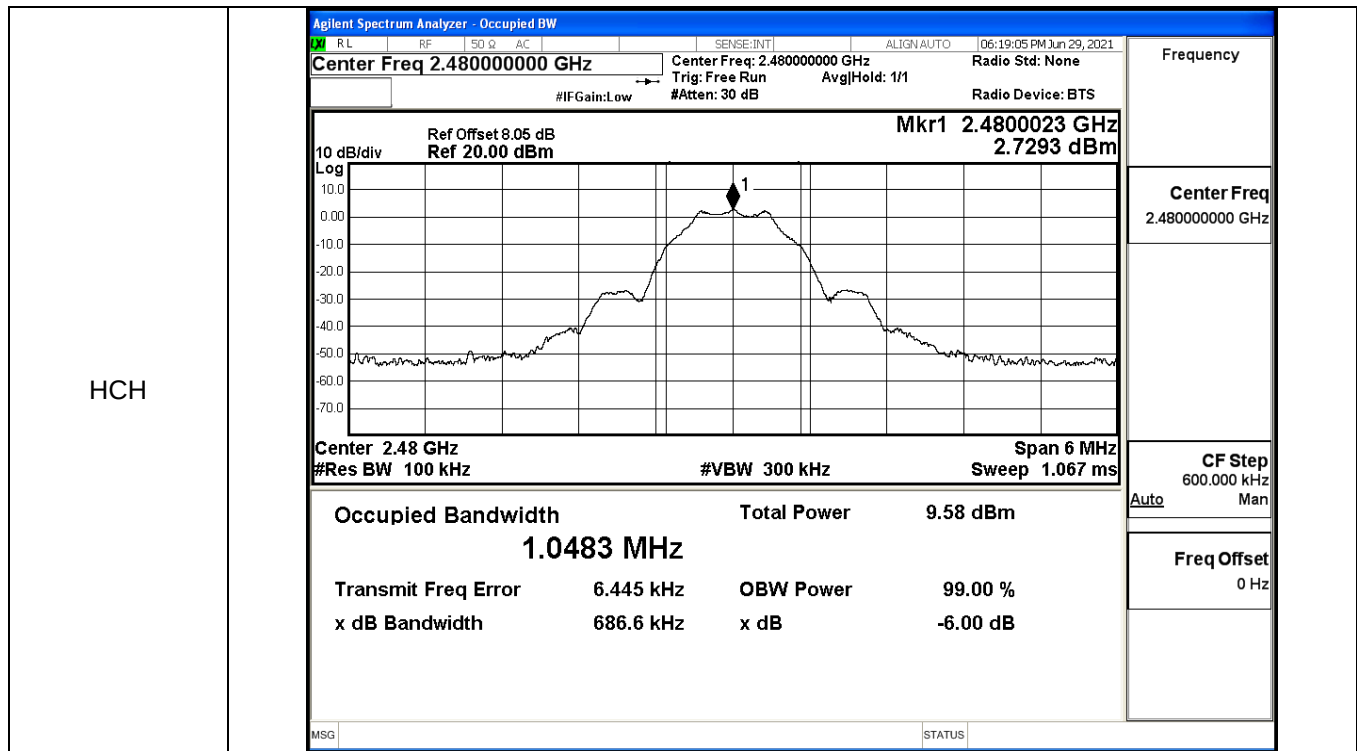




B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6710	≥ 0.5	PASS
BT LE	MCH	0.6908	≥ 0.5	PASS
BT LE	HCH	0.6866	≥ 0.5	PASS

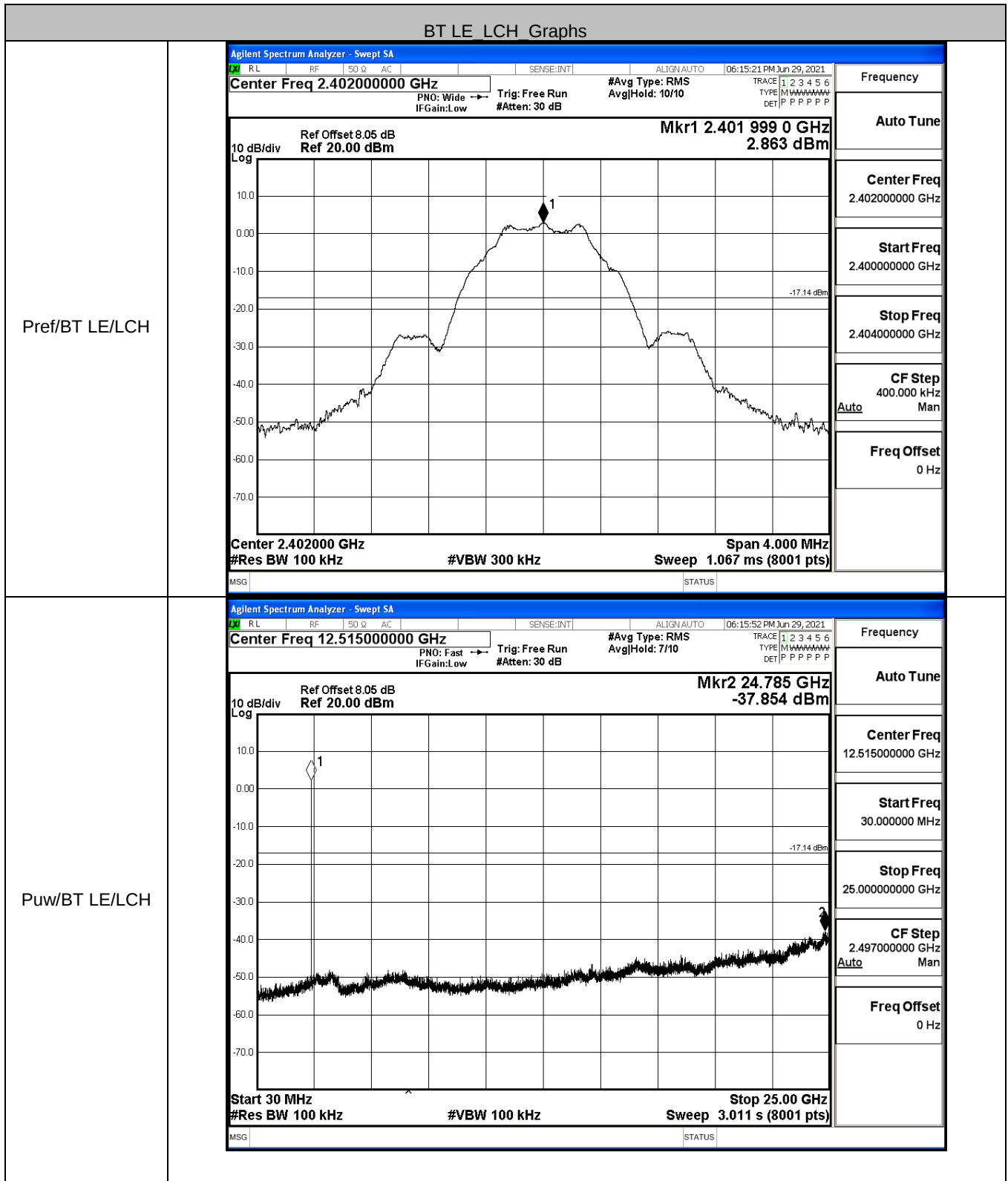






B.5 RF Conducted Spurious Emissions

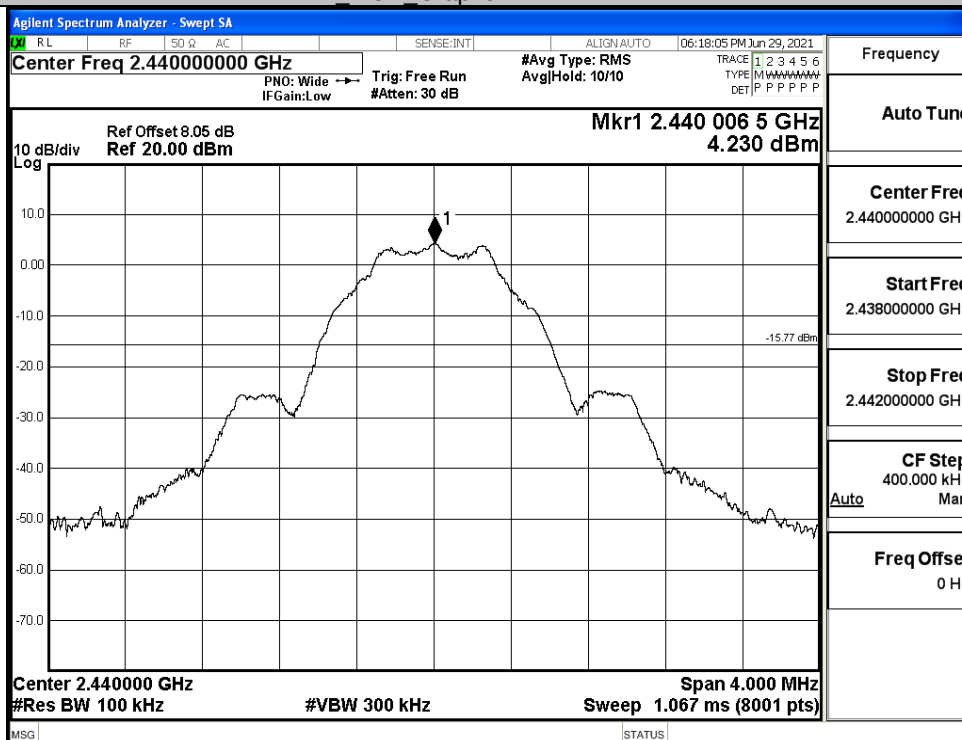
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.863	-37.854	-17.137	PASS
BT LE	MCH	4.23	-37.848	-15.770	PASS
BT LE	HCH	2.715	-37.816	-17.285	PASS



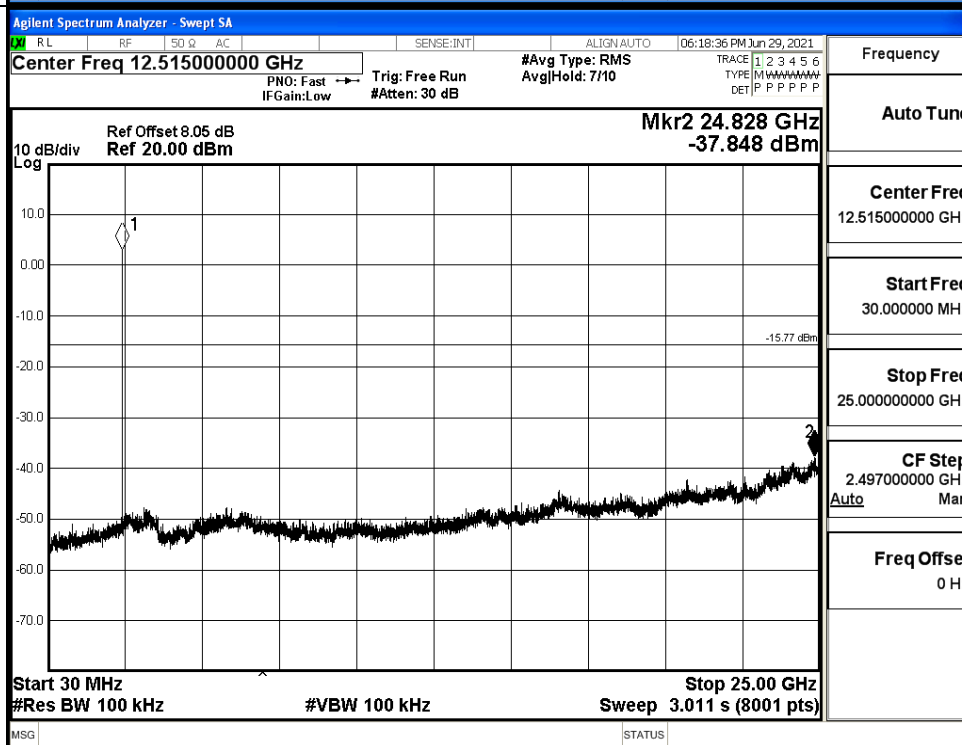


BT LE MCH Graphs

Pref/BT LE/MCH



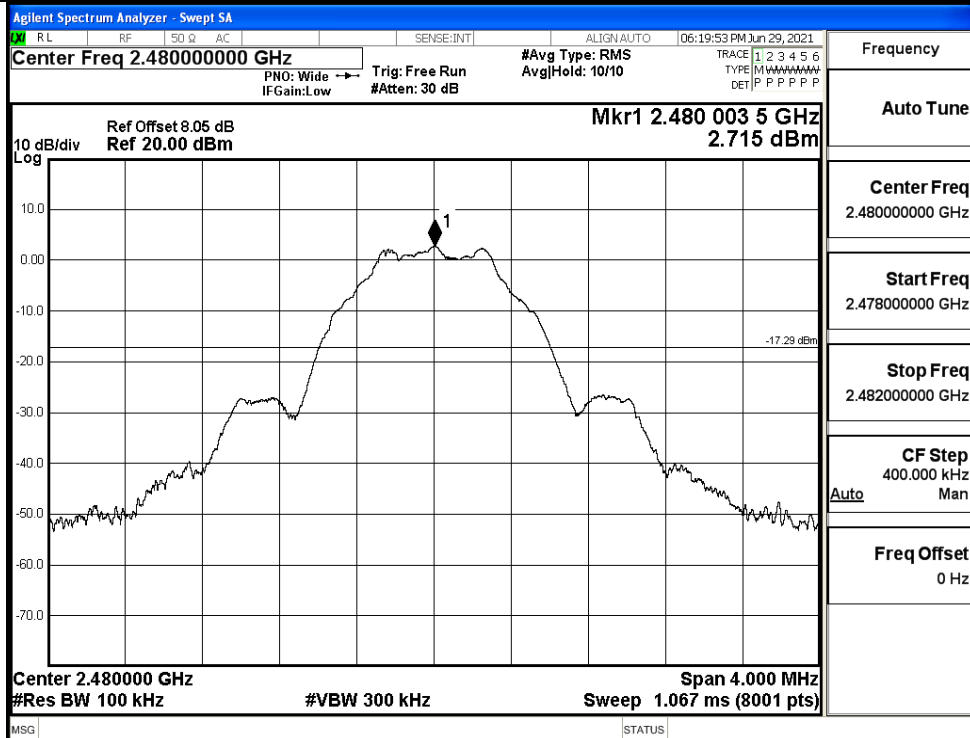
Puw/BT LE/MCH



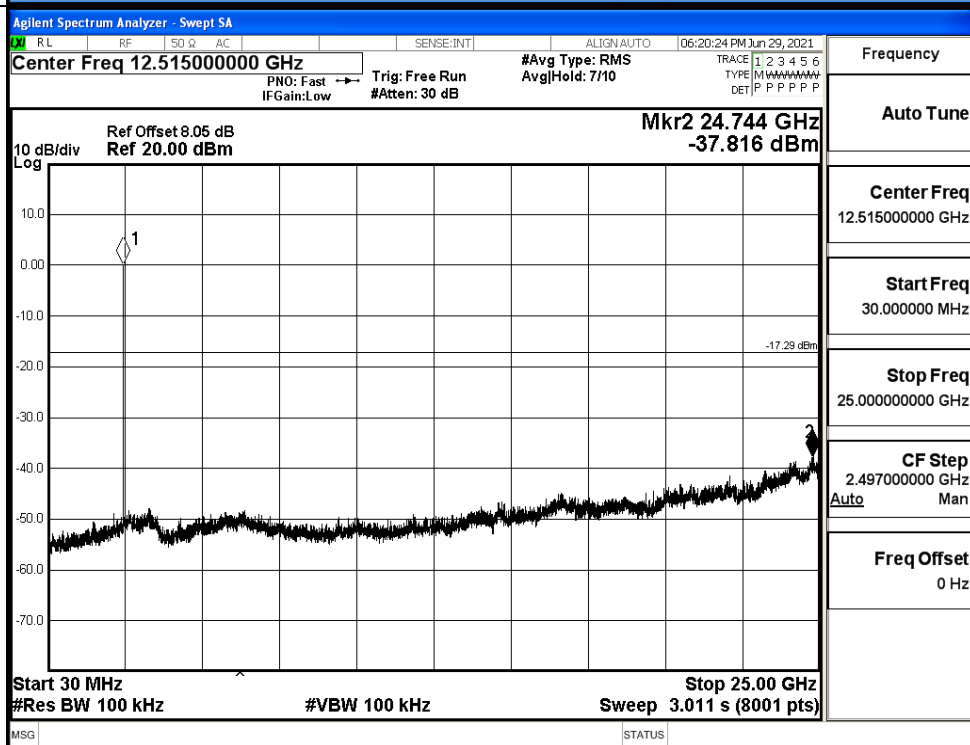


BT LE HCH Graphs

Pref/BT LE/HCH



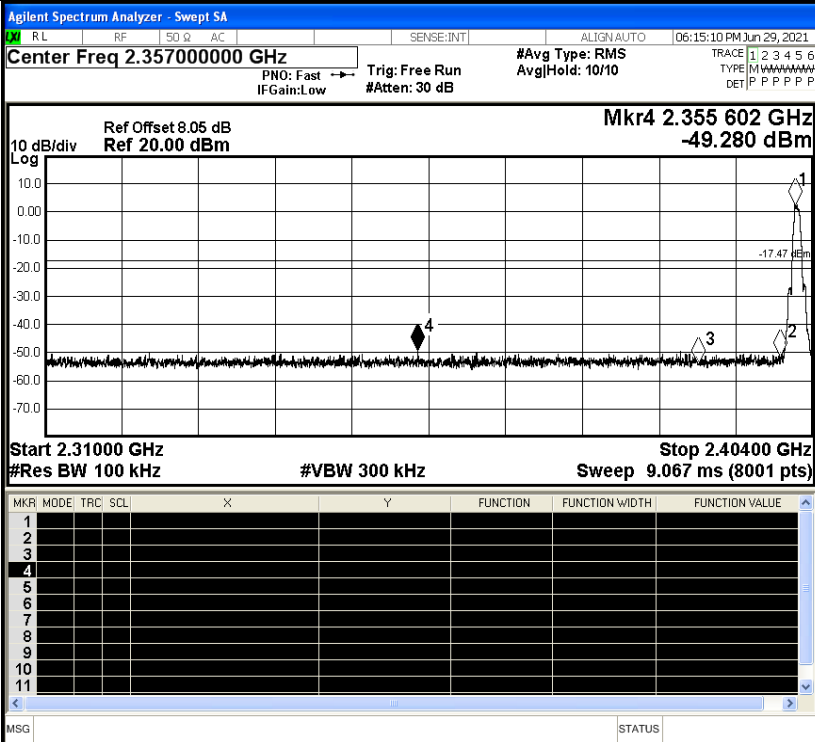
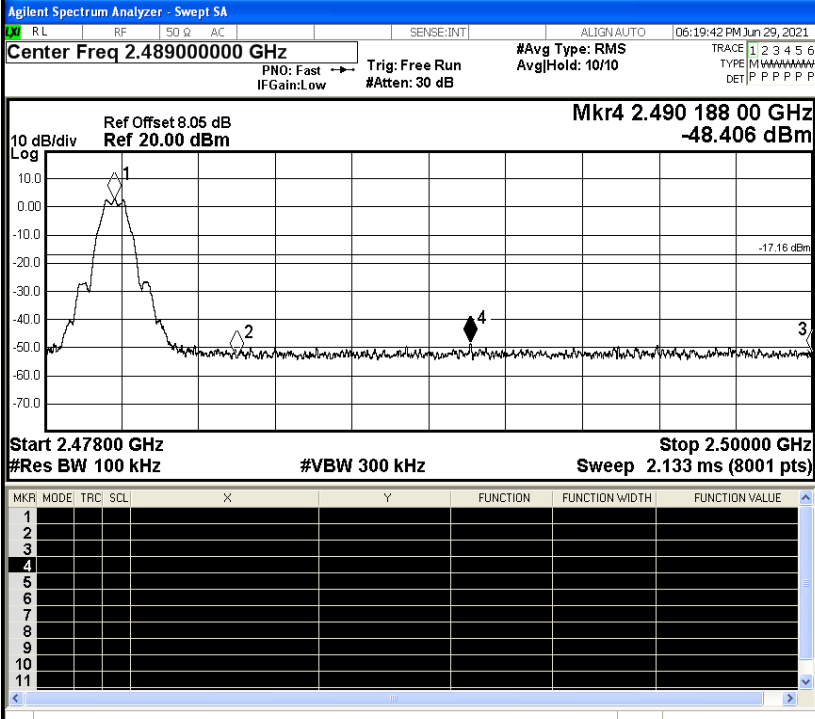
Puw/BT LE/HCH





B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.533	-49.280	-17.47	PASS
BT LE	HCH	2.842	-48.406	-17.16	PASS

Test Graphs					
LCH					
		Frequency	Auto Tune	Center Freq	2.357000000 GHz
HCH					
		Frequency	Auto Tune	Center Freq	2.489000000 GHz

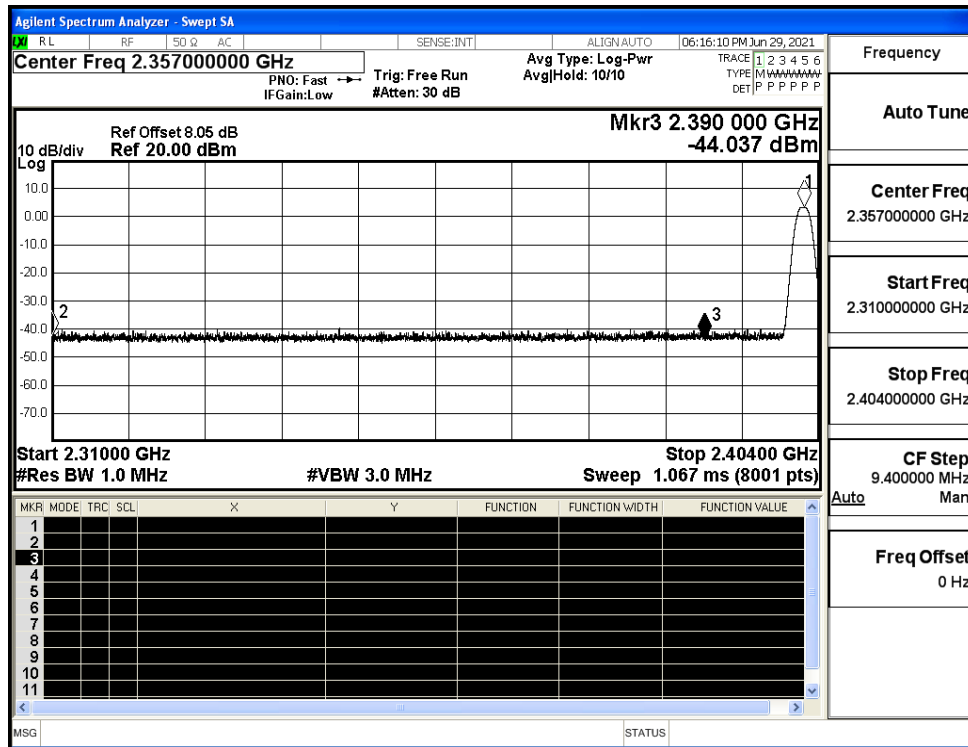


B.7 Restrict-band band-edge measurements

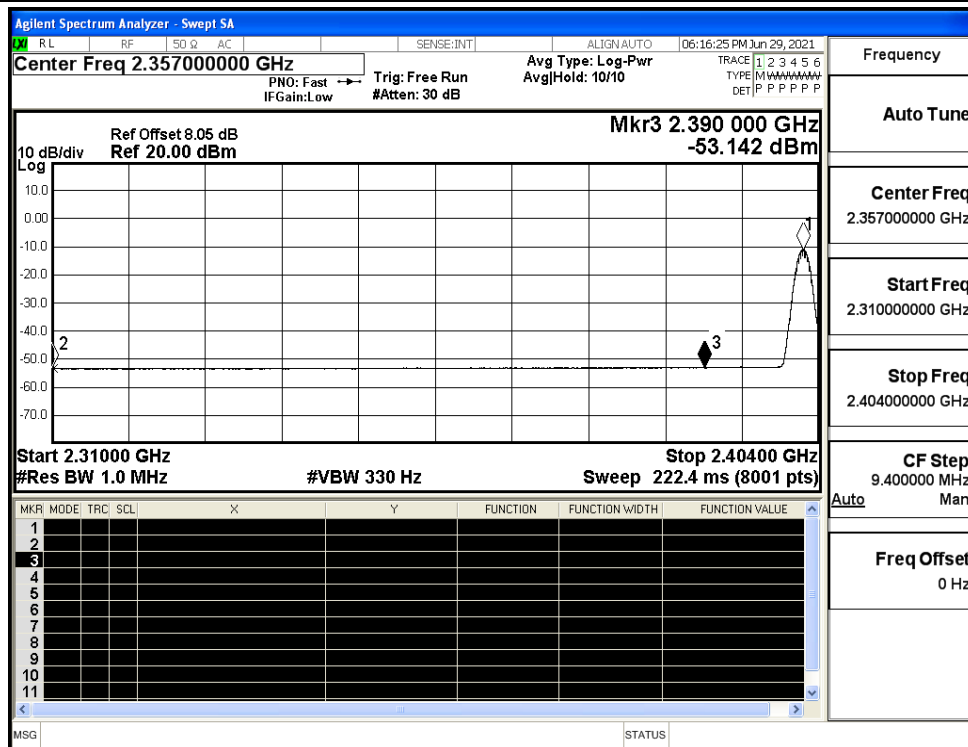
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-42.79	2.0	0	54.44	PEAK	74	PASS
		Ant1	2310.0	-53.47	2.0	0	43.76	AV	54	PASS
		Ant1	2390.0	-44.04	2.0	0	53.19	PEAK	74	PASS
		Ant1	2390.0	-53.14	2.0	0	44.09	AV	54	PASS
	2480	Ant1	2483.5	-42.70	2.0	0	54.53	PEAK	74	PASS
		Ant1	2483.5	-52.48	2.0	0	44.75	AV	54	PASS
		Ant1	2500.0	-41.54	2.0	0	55.69	PEAK	74	PASS
		Ant1	2500.0	-52.30	2.0	0	44.93	AV	54	PASS



Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK

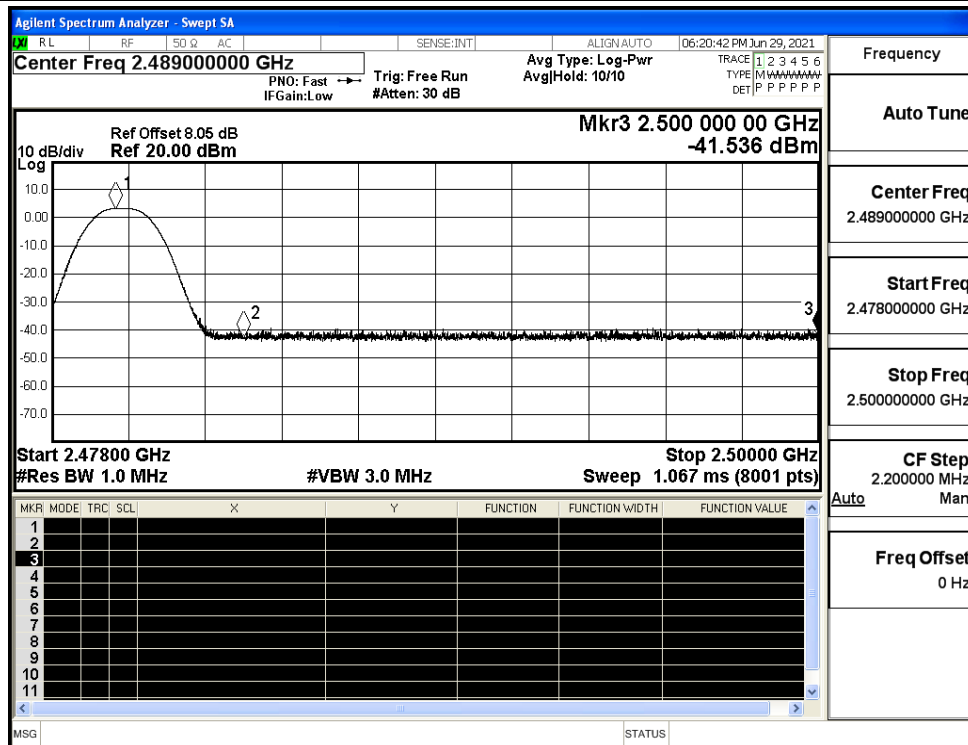


Restrict-band band-edge measurements_BT LE_2402_Ant1_AV





Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

