



Appendix B

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

Product Name: Bluetooth Earphones

Trade Mark: AWEI, IPIPOO

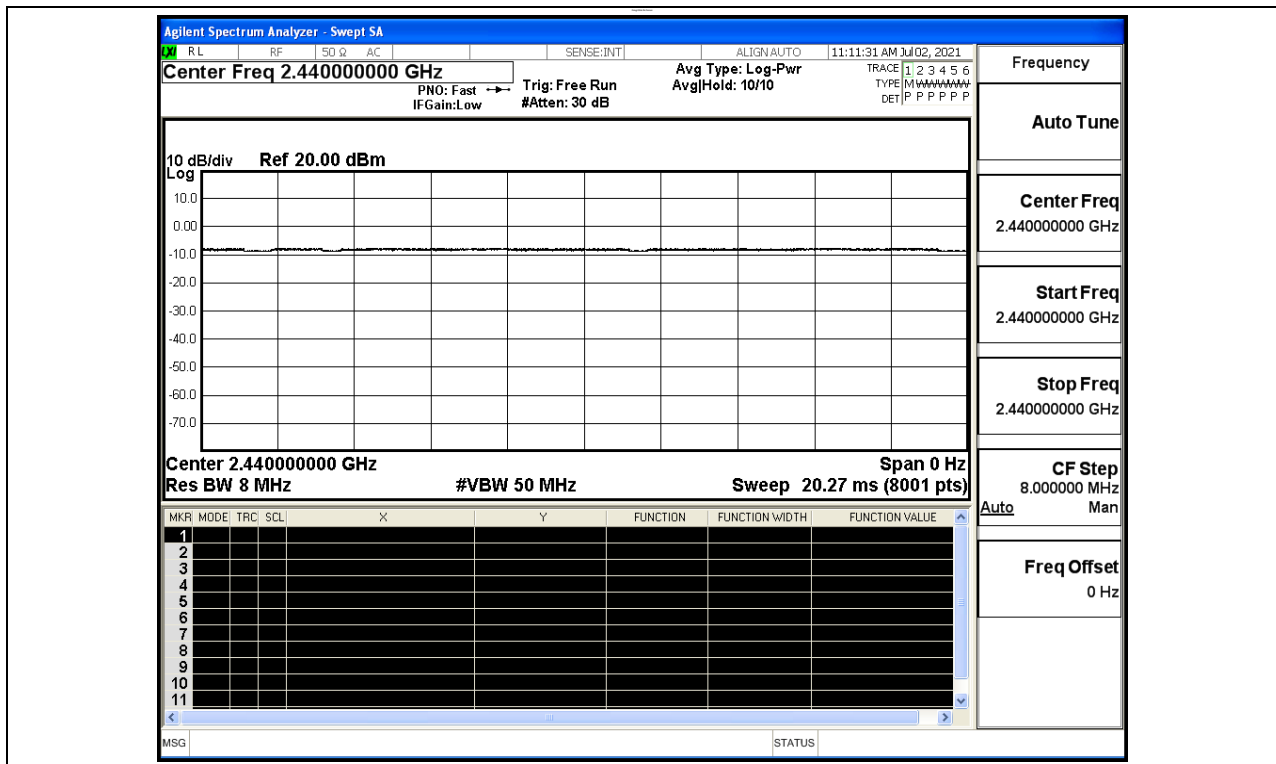
Test Model: EB101

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

B.1 Duty Cycle

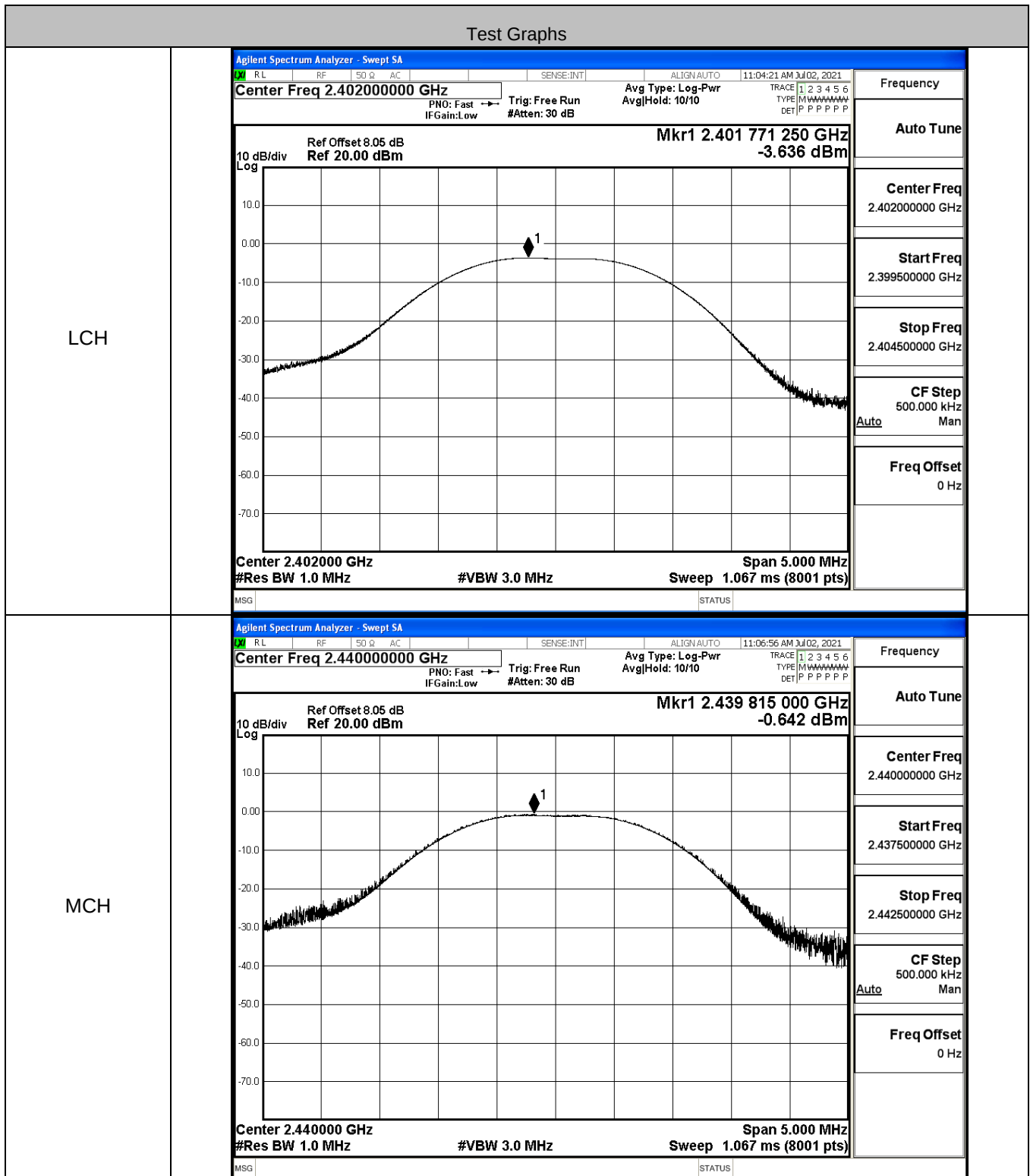
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS





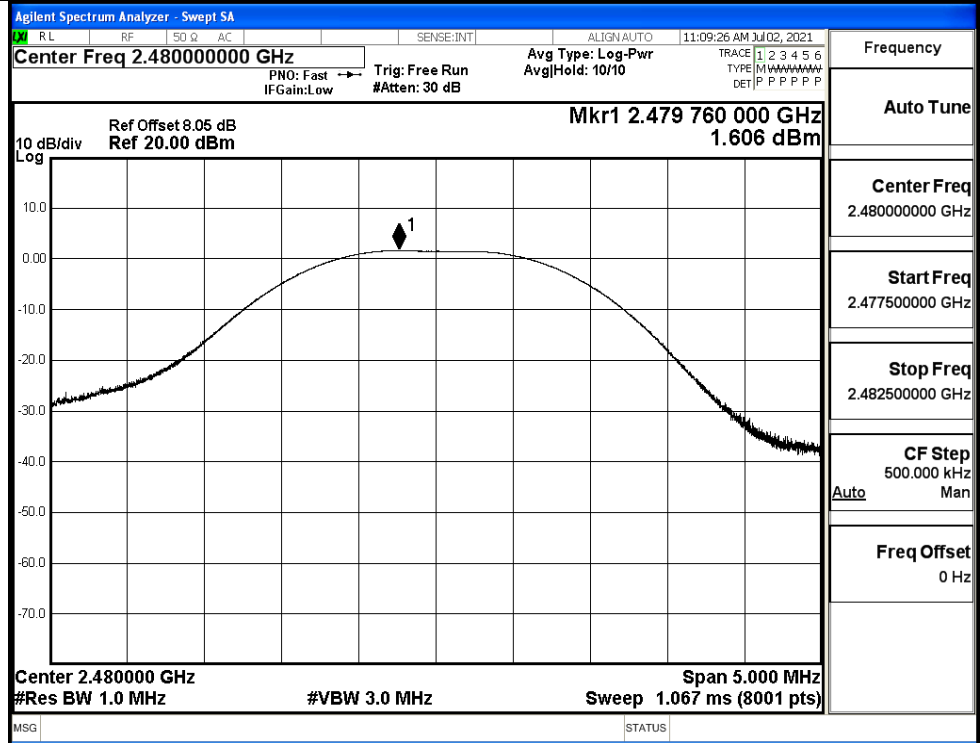
B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.636	30	PASS
BT LE	MCH	-0.642	30	PASS
BT LE	HCH	1.606	30	PASS





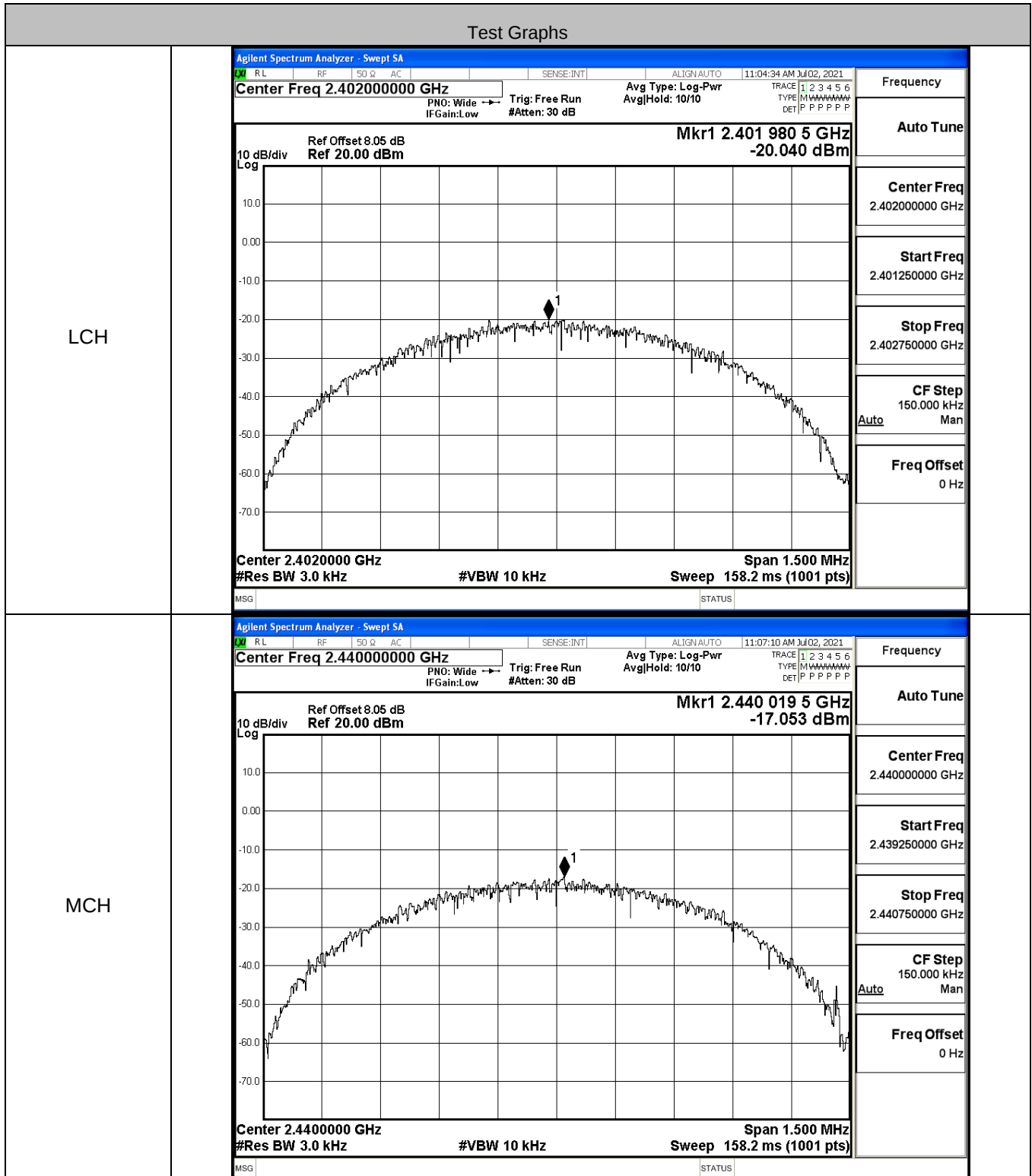
HCH

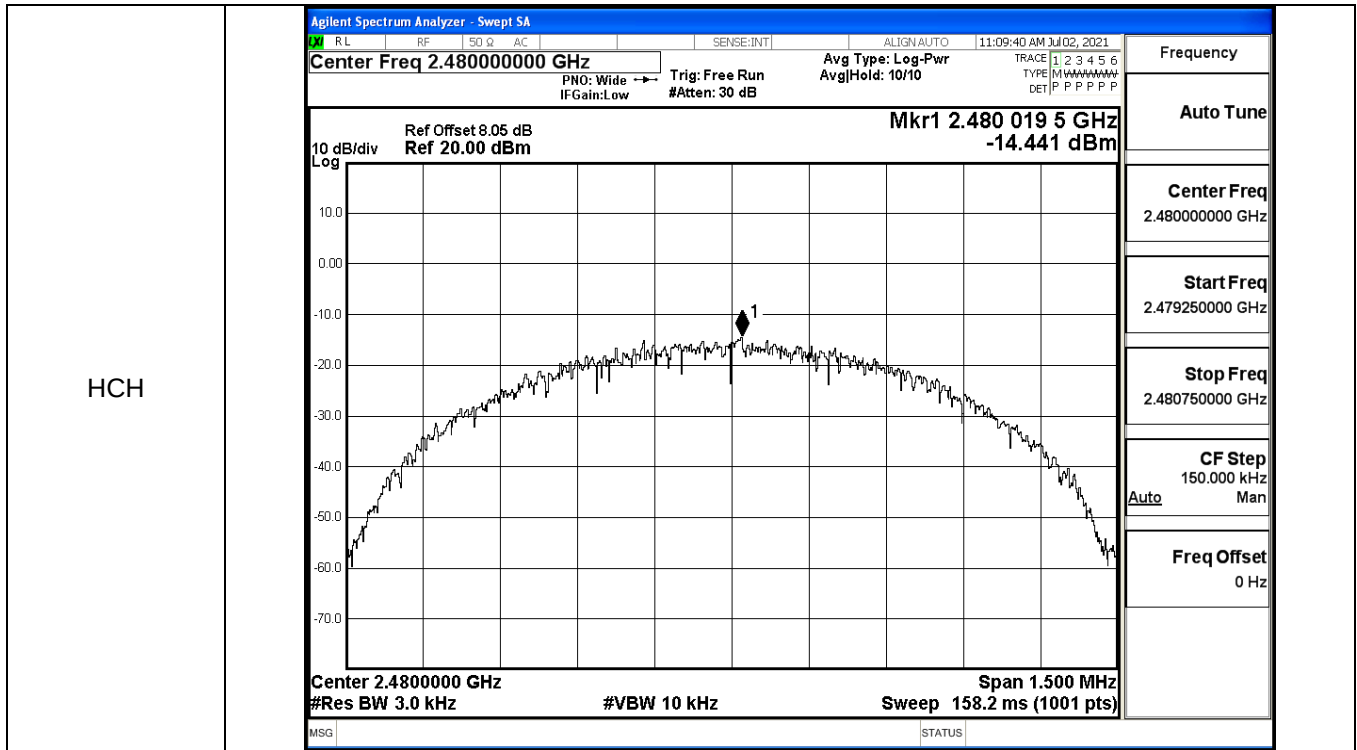




B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-20.040	8	PASS
BT LE	MCH	-17.053	8	PASS
BT LE	HCH	-14.441	8	PASS

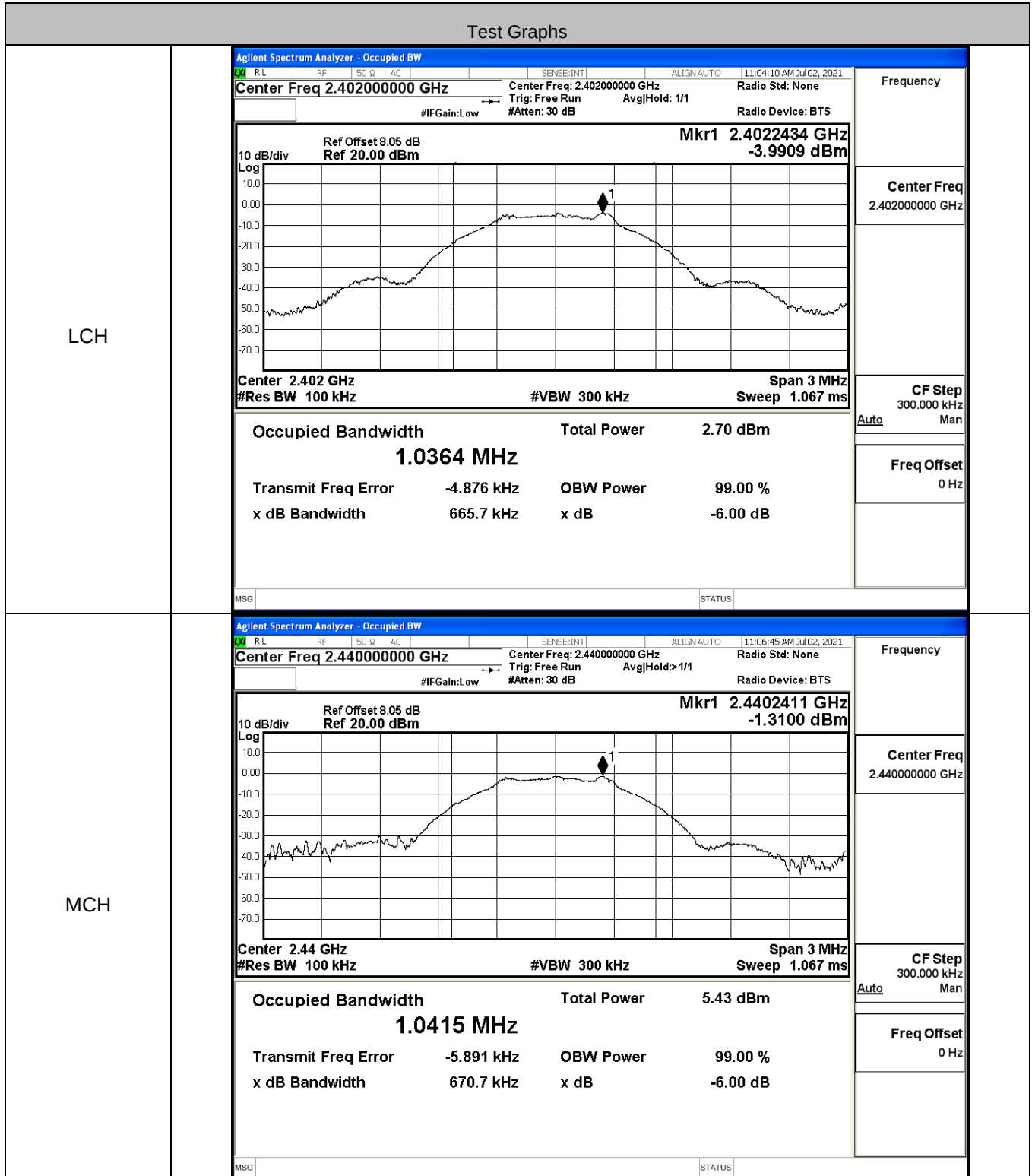


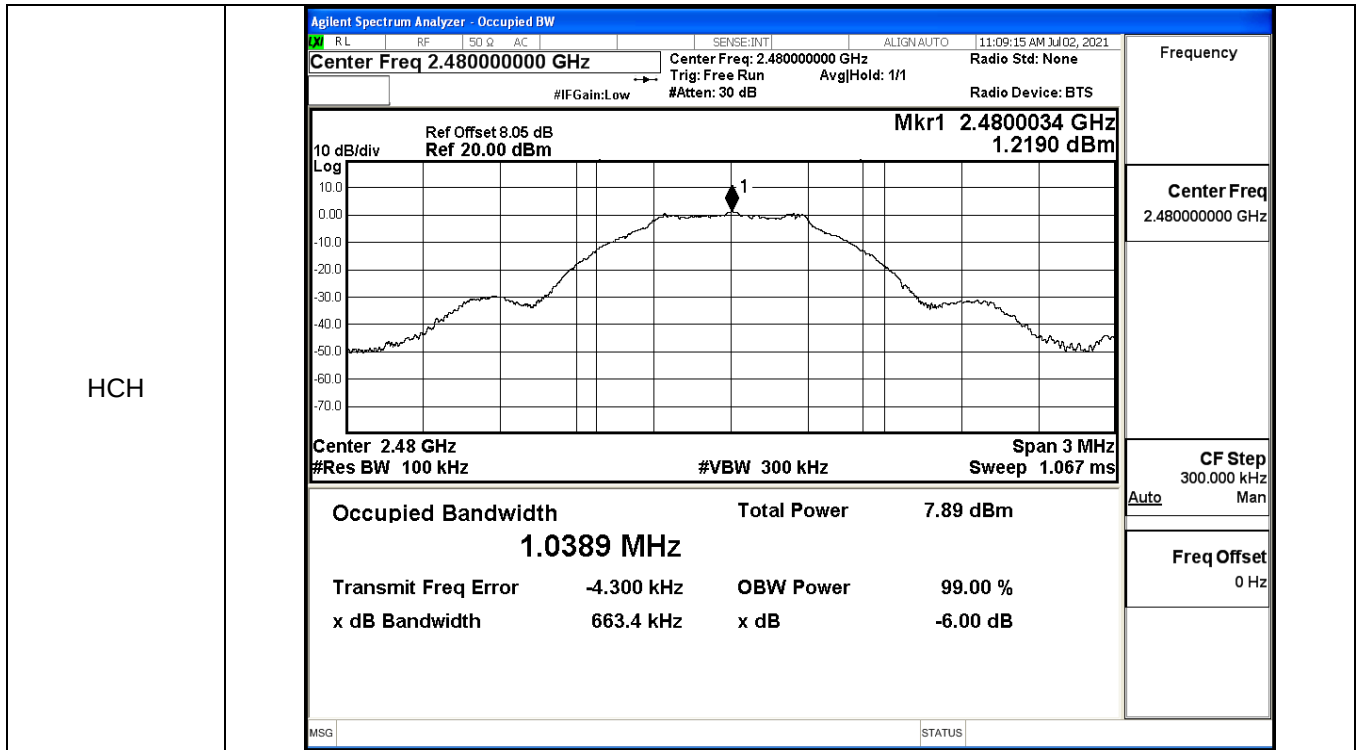




B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6657	≥ 0.5	PASS
BT LE	MCH	0.6707	≥ 0.5	PASS
BT LE	HCH	0.6634	≥ 0.5	PASS

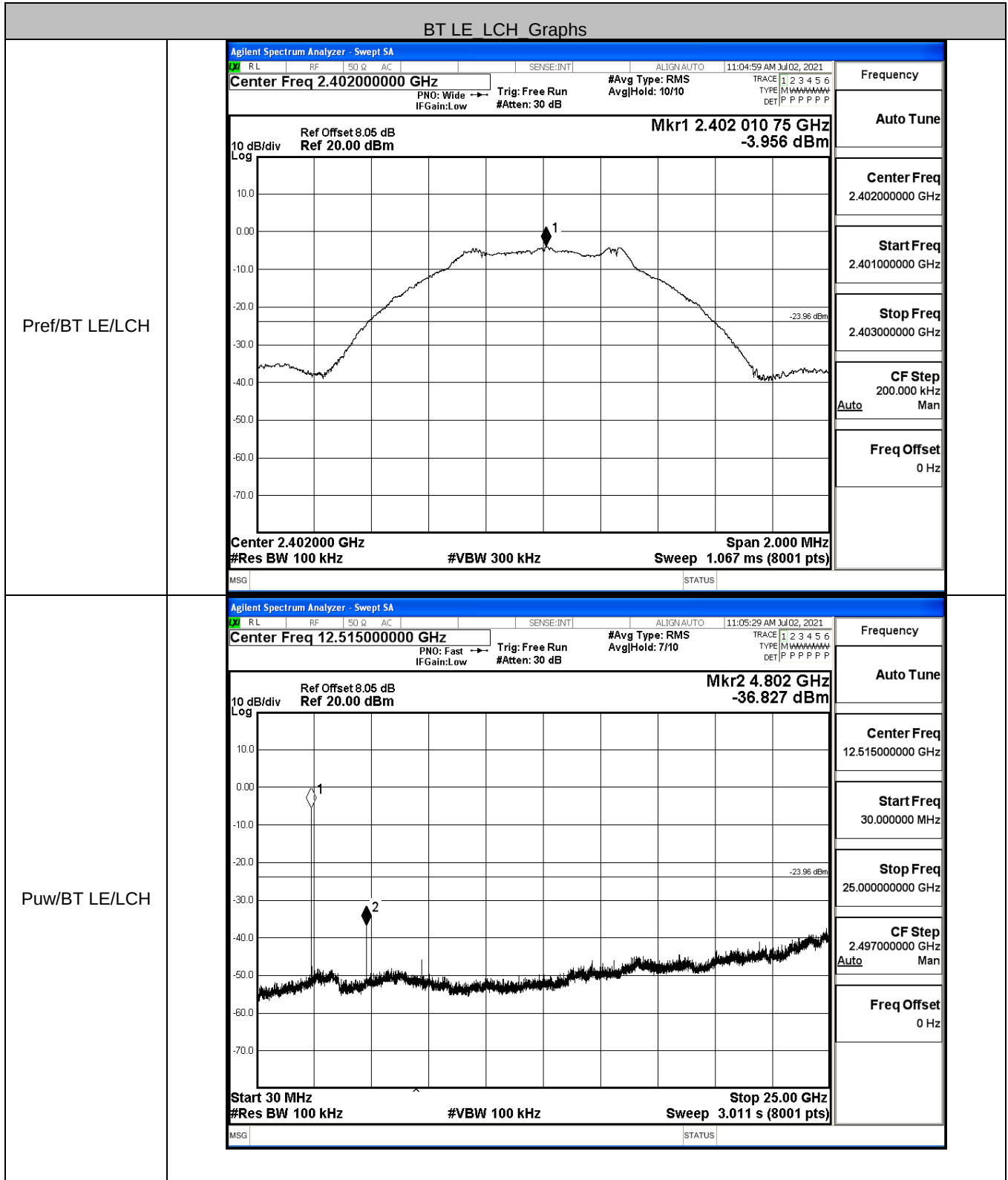






B.5 RF Conducted Spurious Emissions

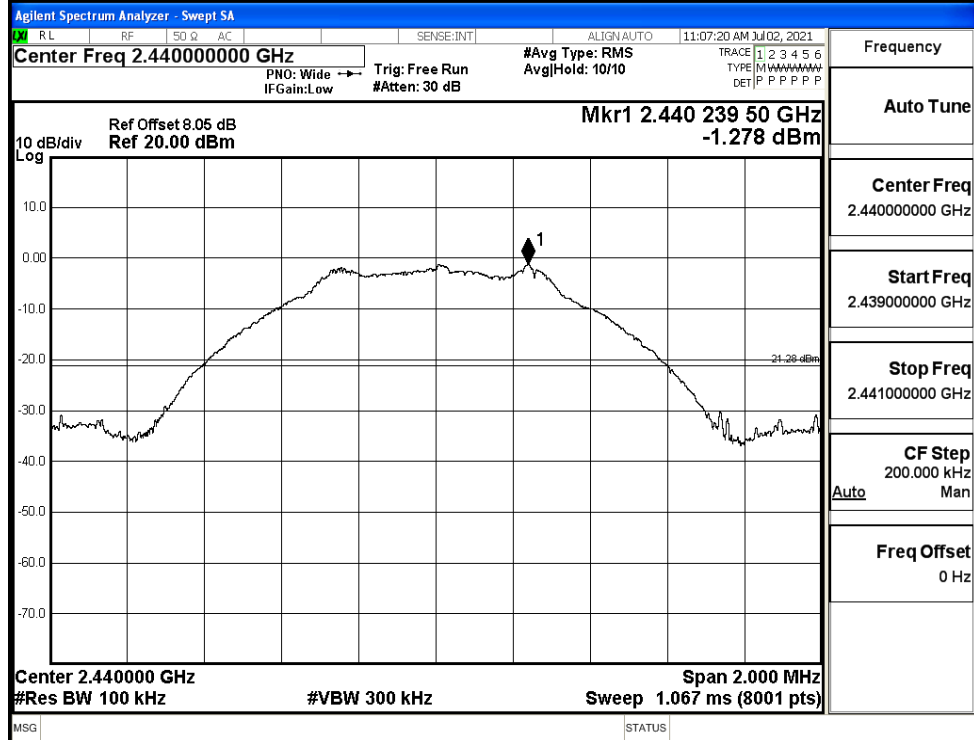
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.956	-36.827	-23.956	PASS
BT LE	MCH	-1.278	-37.567	-21.278	PASS
BT LE	HCH	1.231	-36.831	-18.769	PASS



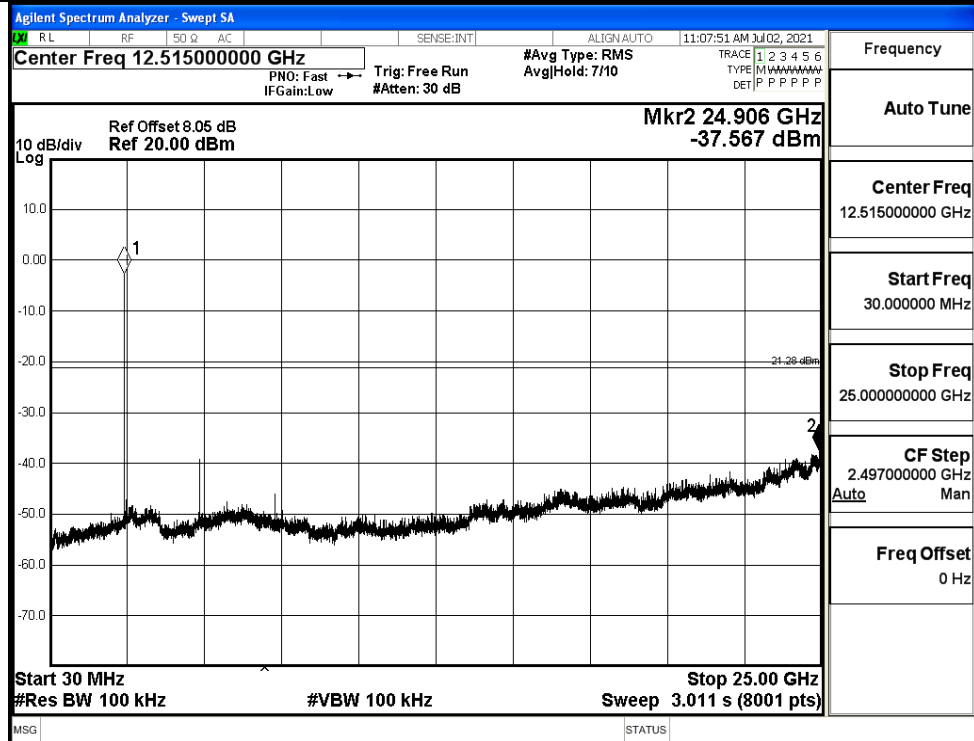


BT LE MCH Graphs

Pref/BT LE/MCH



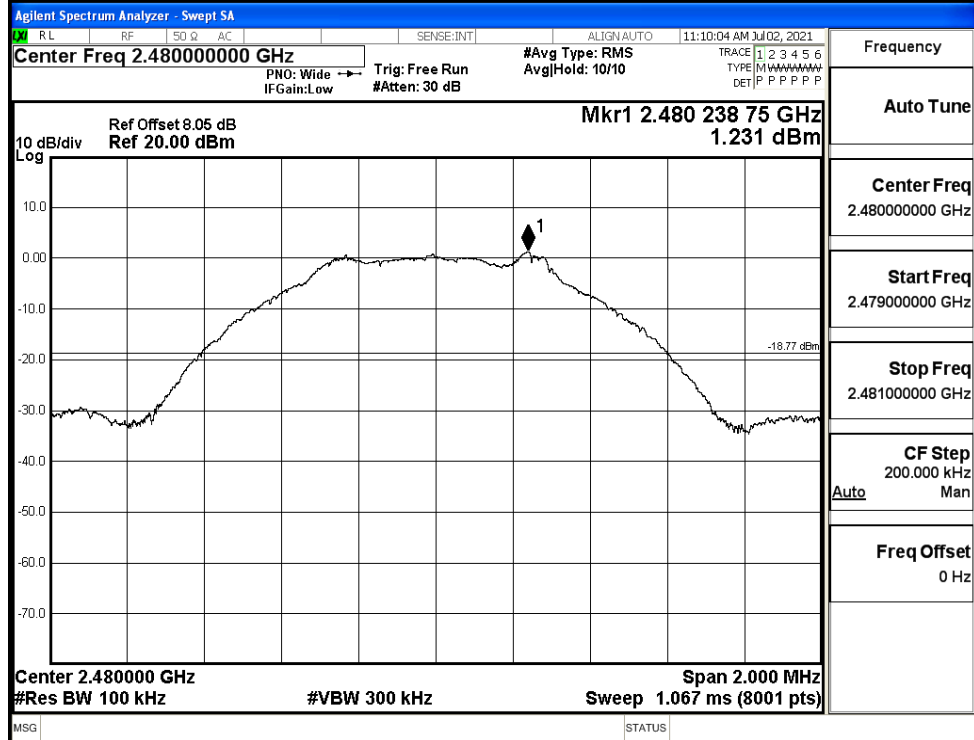
Puw/BT LE/MCH



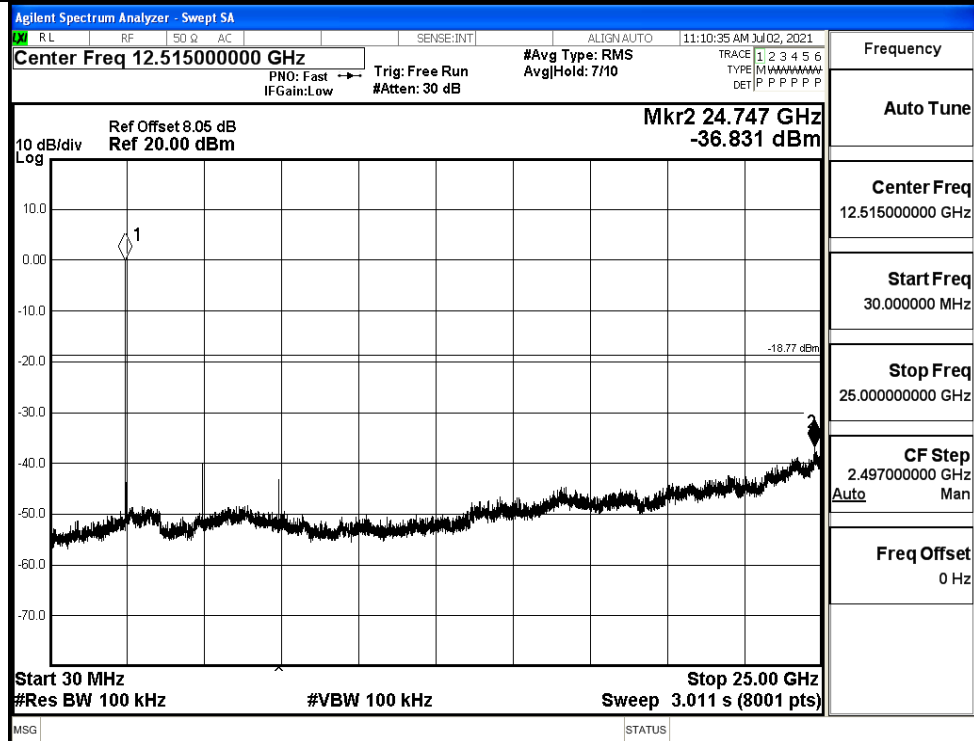


BT LE HCH Graphs

Pref/BT LE/HCH



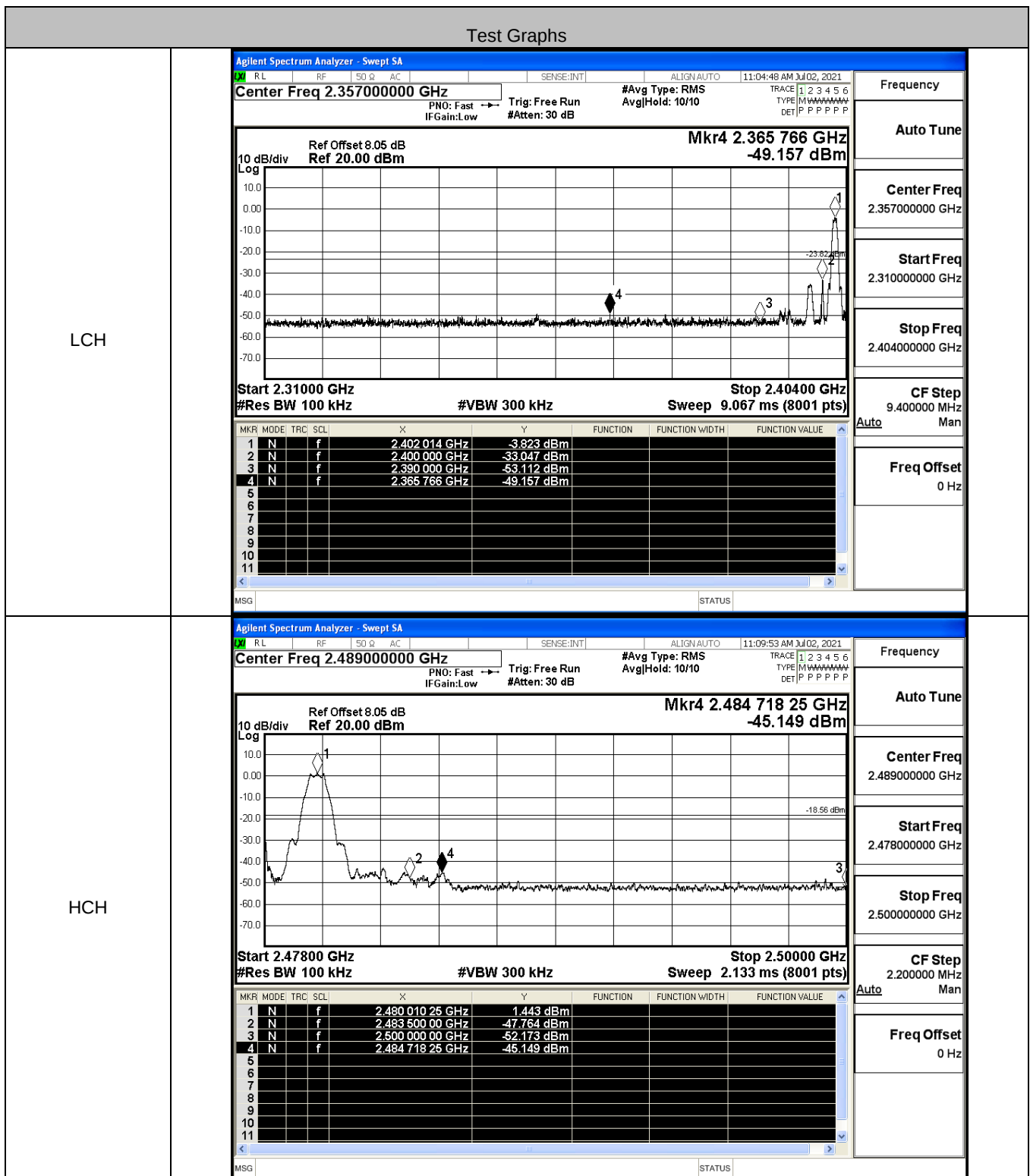
Puw/BT LE/HCH





B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.823	-49.157	-23.82	PASS
BT LE	HCH	1.443	-45.149	-18.56	PASS



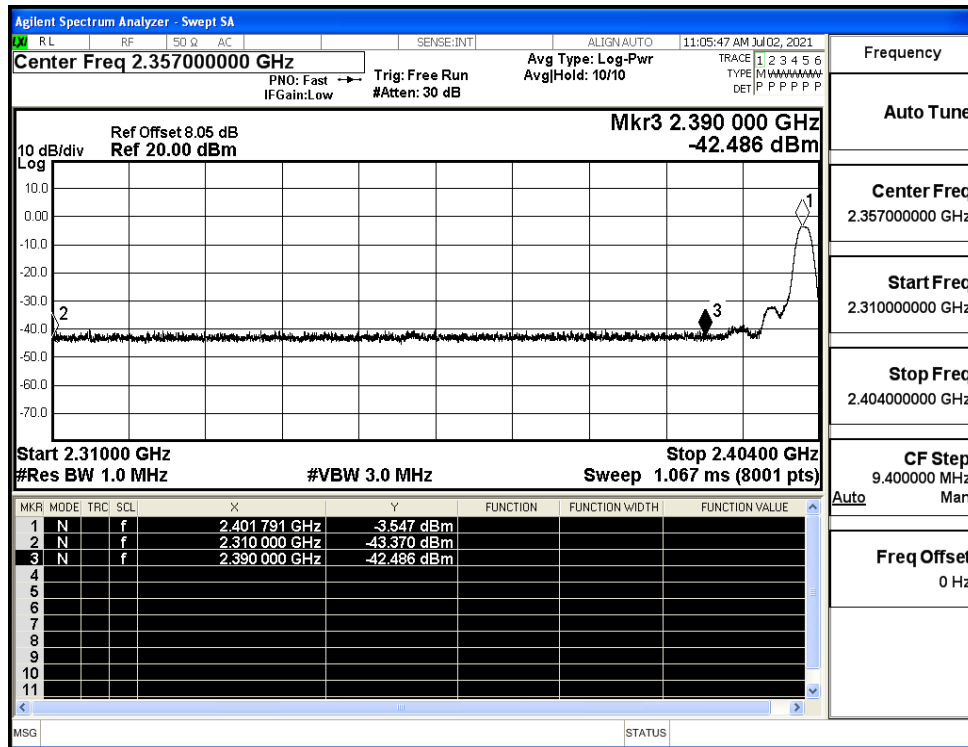


B.7 Restrict-band band-edge measurements

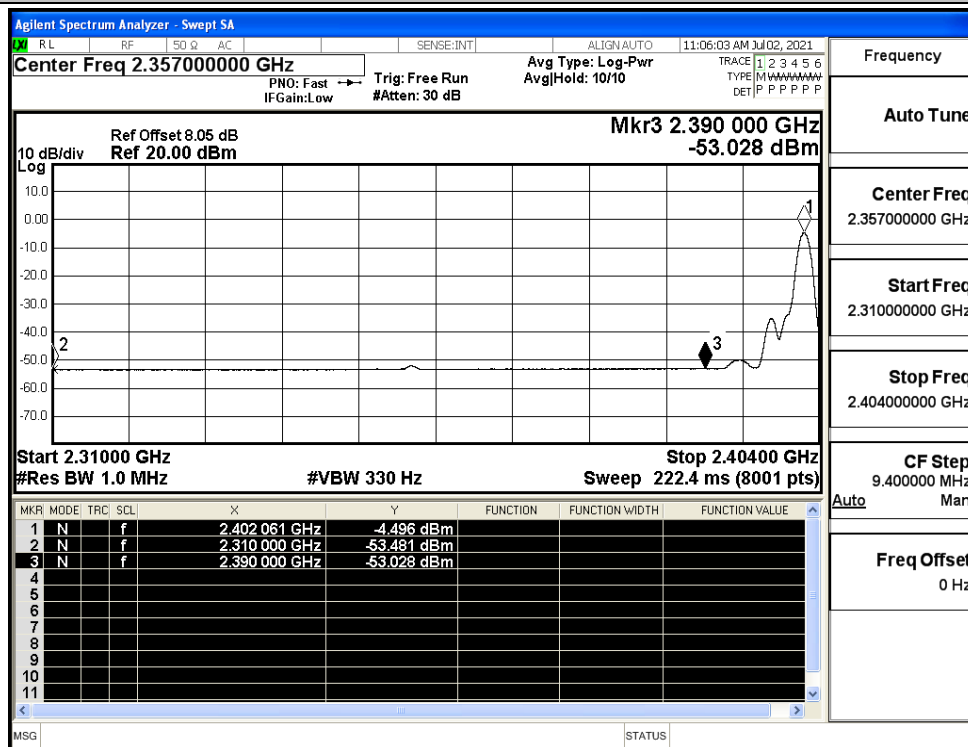
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-43.37	2.0	0	53.86	PEAK	74	PASS
		Ant1	2310.0	-53.48	2.0	0	43.75	AV	54	PASS
		Ant1	2390.0	-42.49	2.0	0	54.74	PEAK	74	PASS
		Ant1	2390.0	-53.03	2.0	0	44.20	AV	54	PASS
	2480	Ant1	2483.5	-39.03	2.0	0	58.20	PEAK	74	PASS
		Ant1	2483.5	-47.61	2.0	0	49.62	AV	54	PASS
		Ant1	2500.0	-42.27	2.0	0	54.96	PEAK	74	PASS
		Ant1	2500.0	-52.38	2.0	0	44.85	AV	54	PASS



Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK

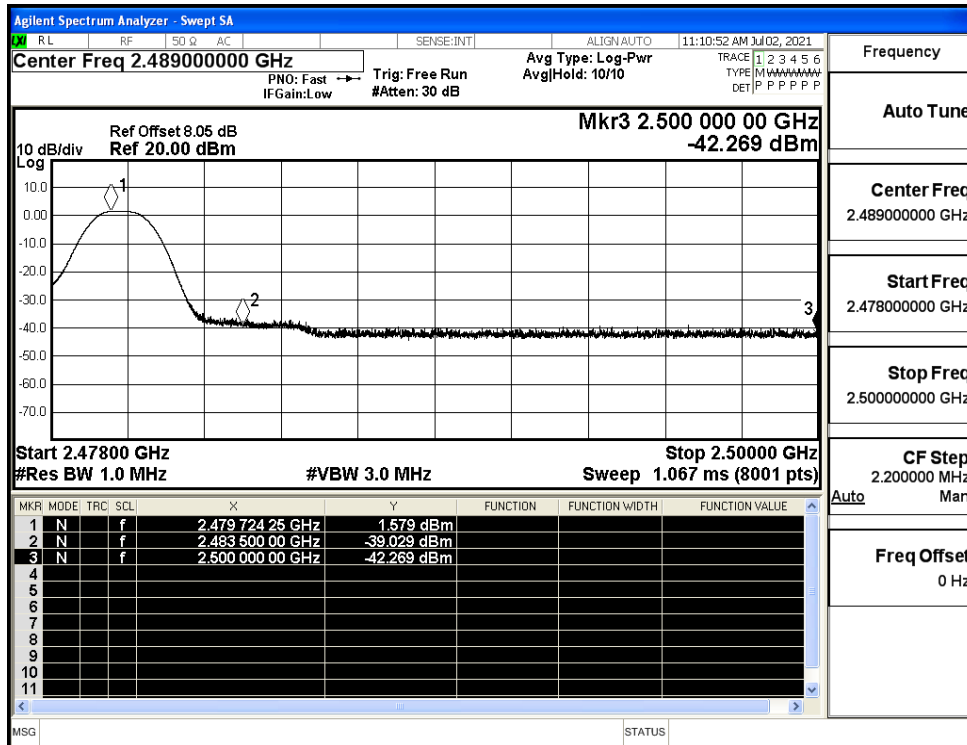


Restrict-band band-edge measurements_BT LE_2402_Ant1_AV





Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

