

Appendix B

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

Product Name: WIRELESS HEADPHONES

Trade Mark: N/A

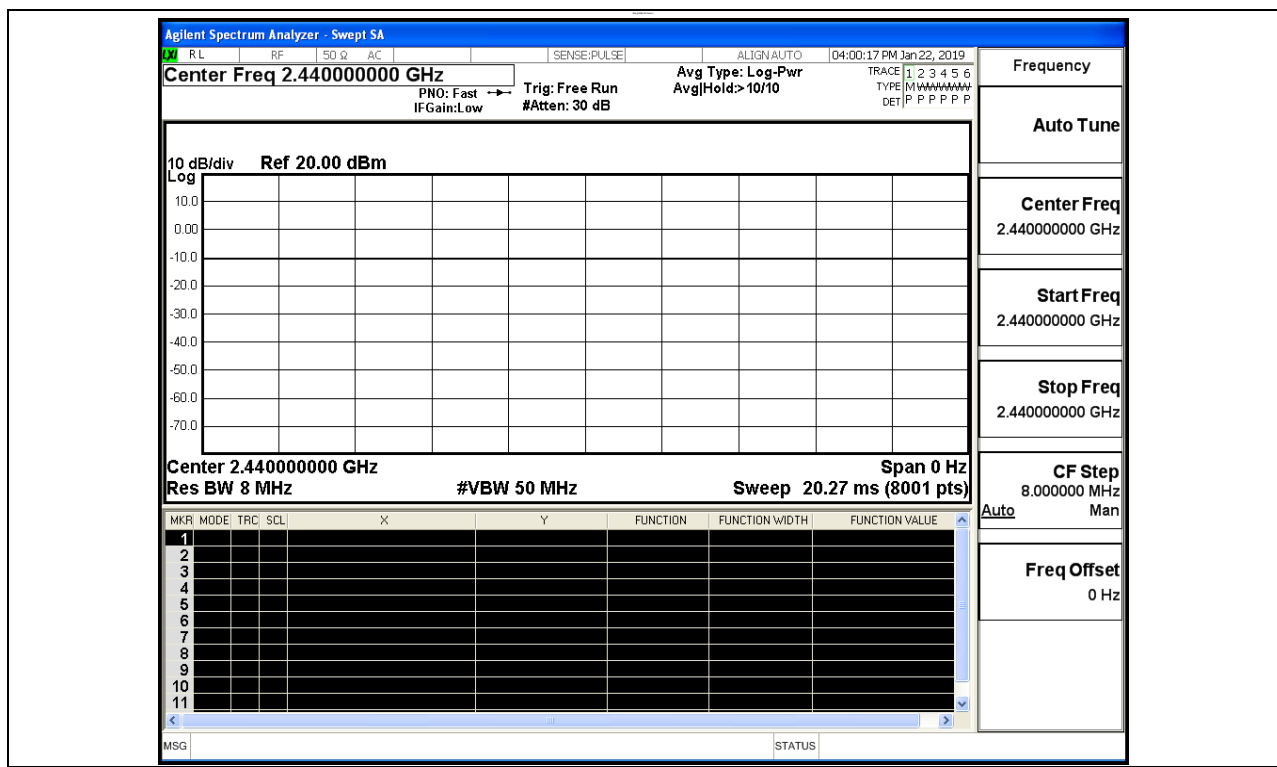
Test Model: S609-BT

Environmental Conditions

Temperature:	24.2 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	David.Luo
Supervised by:	Jayden.Zhuo

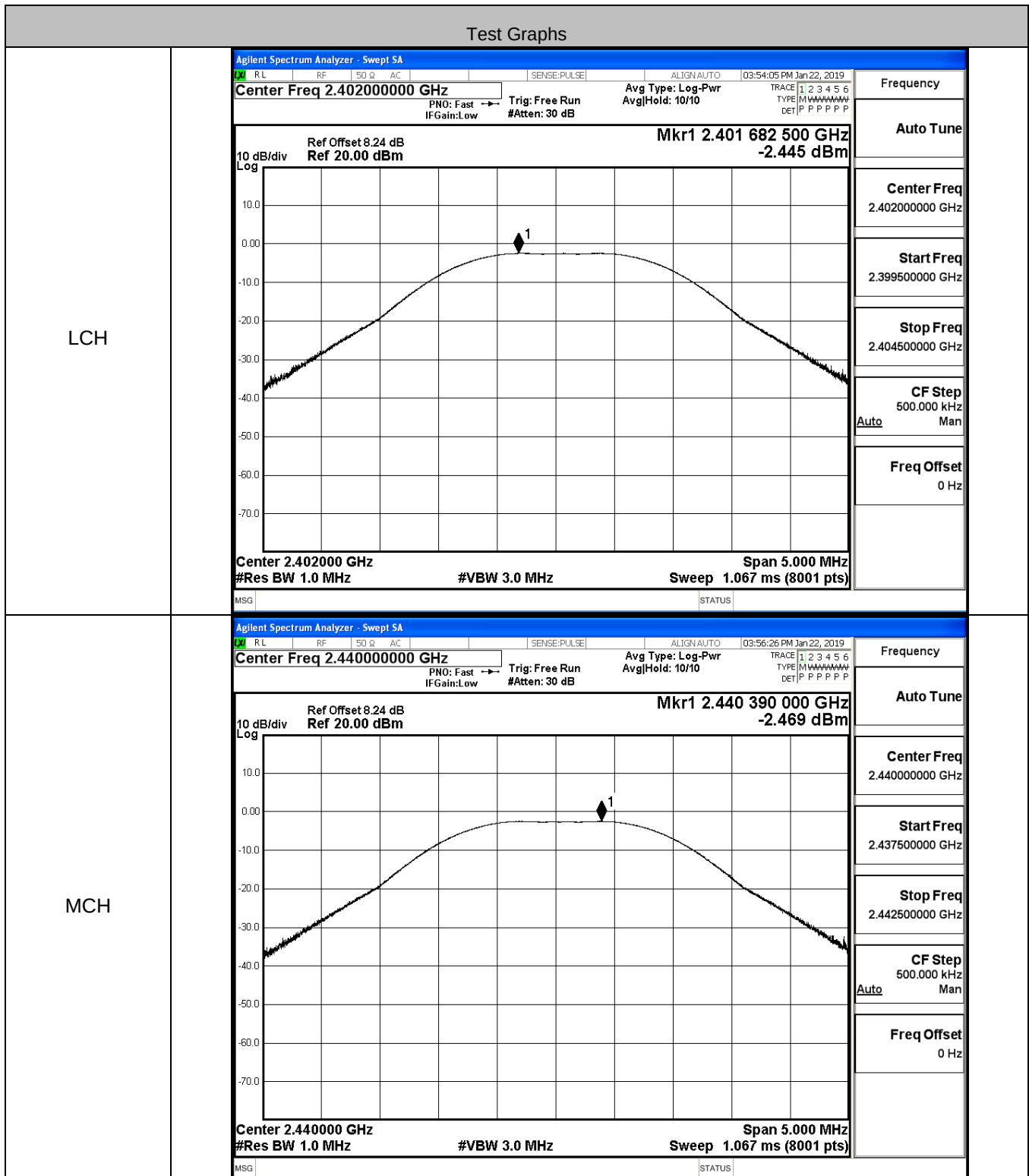
B.1 Duty Cycle

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

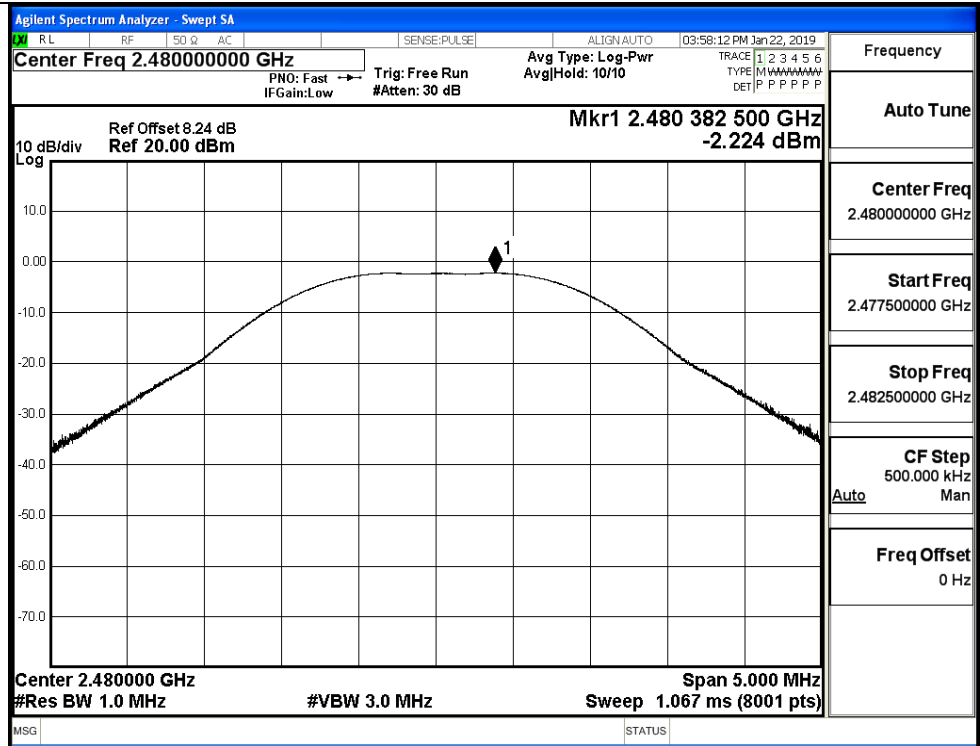


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.445	30	PASS
BT LE	MCH	-2.469	30	PASS
BT LE	HCH	-2.224	30	PASS

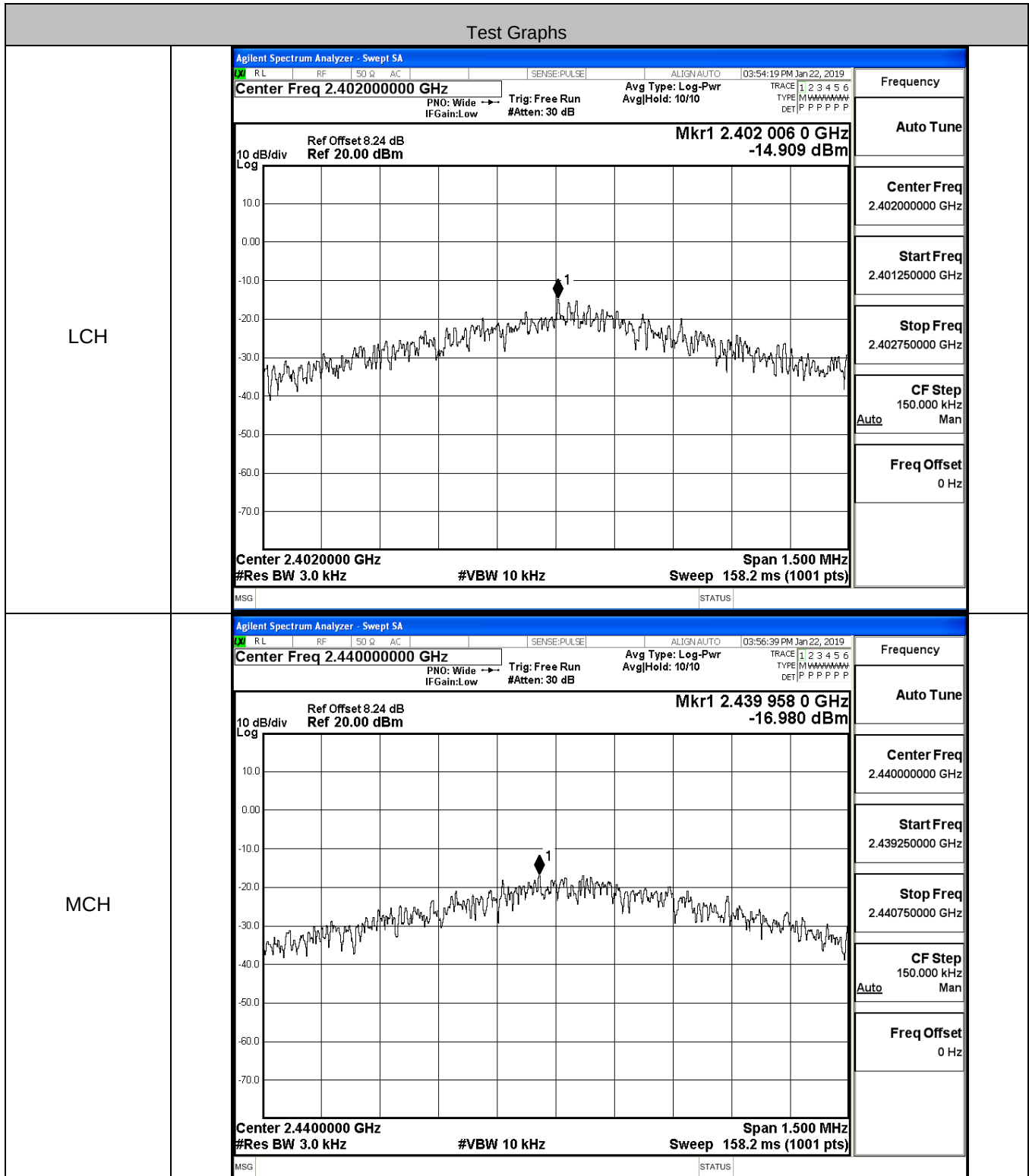


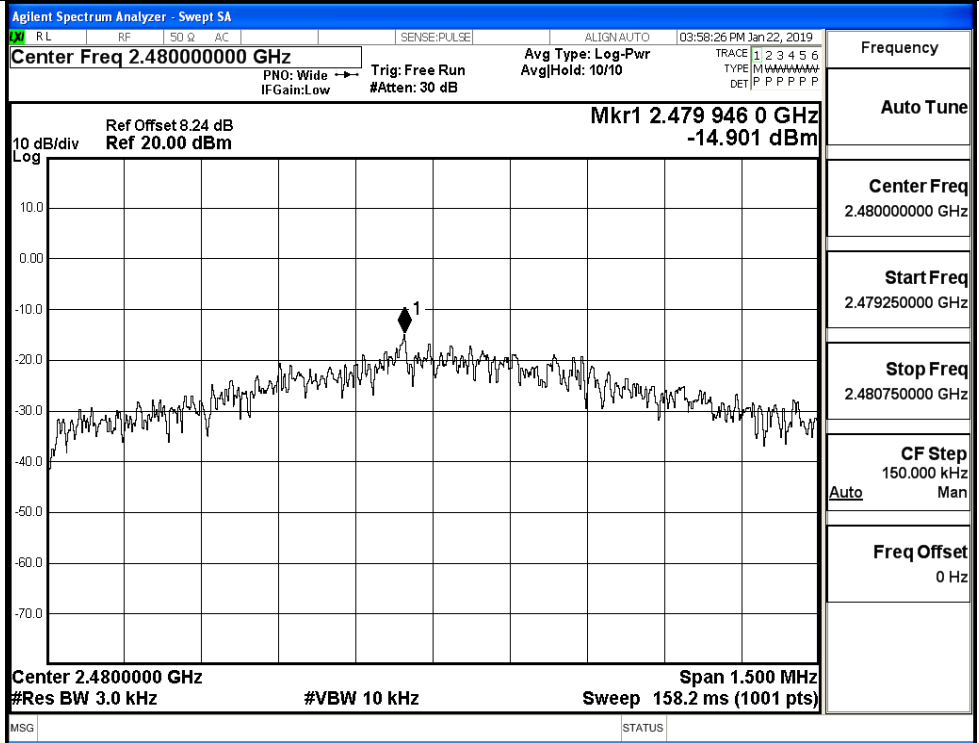
HCH



B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.909	8	PASS
BT LE	MCH	-16.980	8	PASS
BT LE	HCH	-14.901	8	PASS



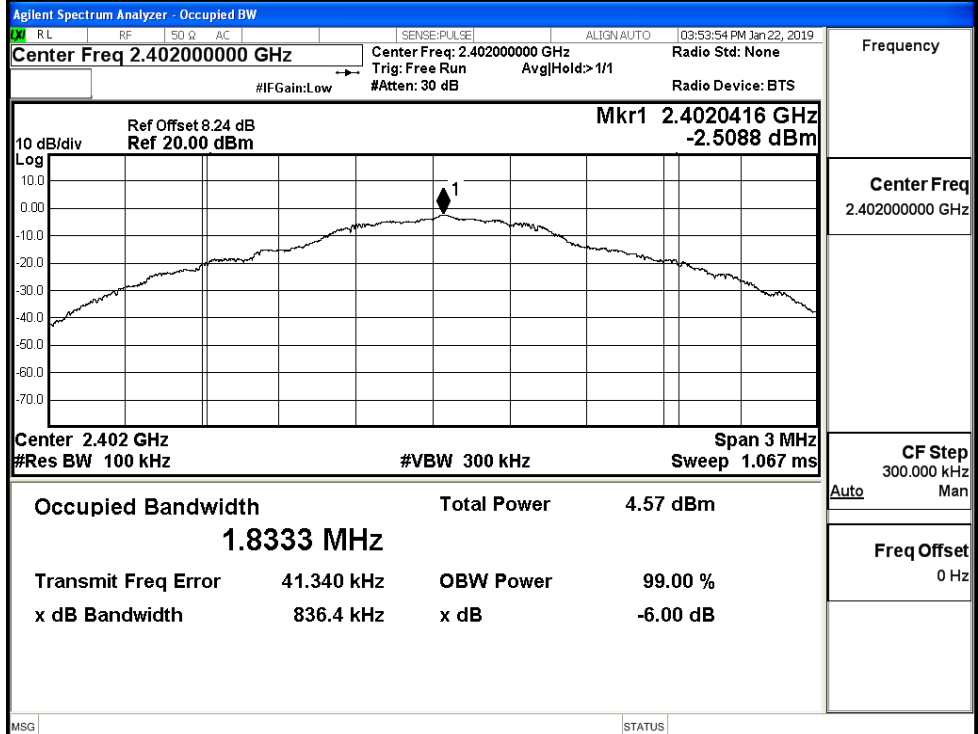


B.4 6dB Bandwidth

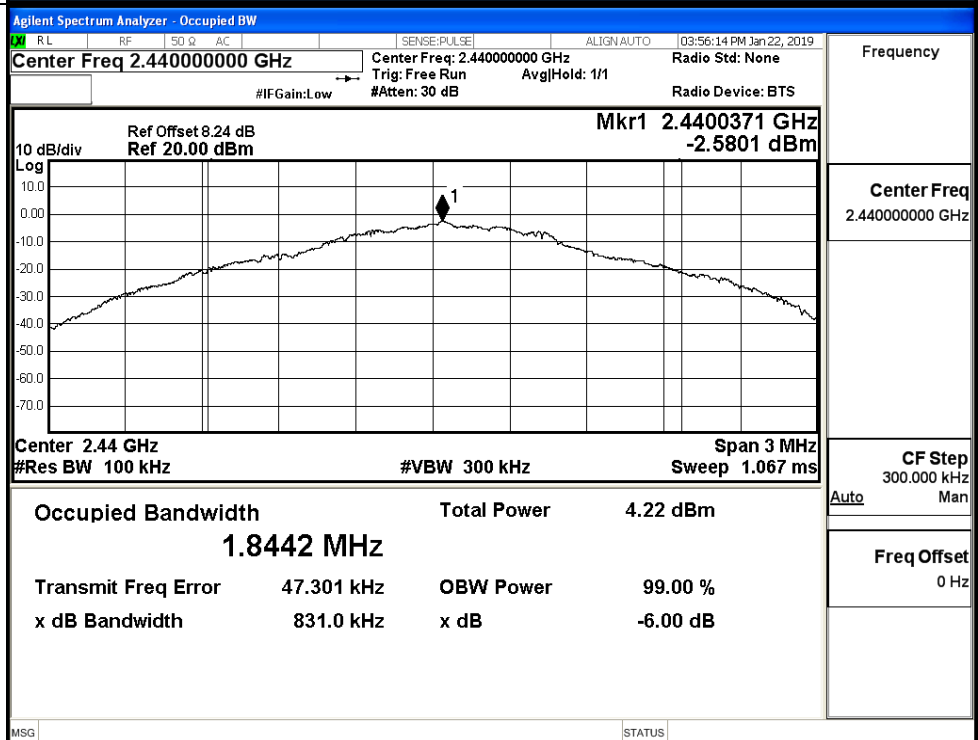
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.8364	≥ 0.5	PASS
BT LE	MCH	0.8310	≥ 0.5	PASS
BT LE	HCH	0.8269	≥ 0.5	PASS

Test Graphs

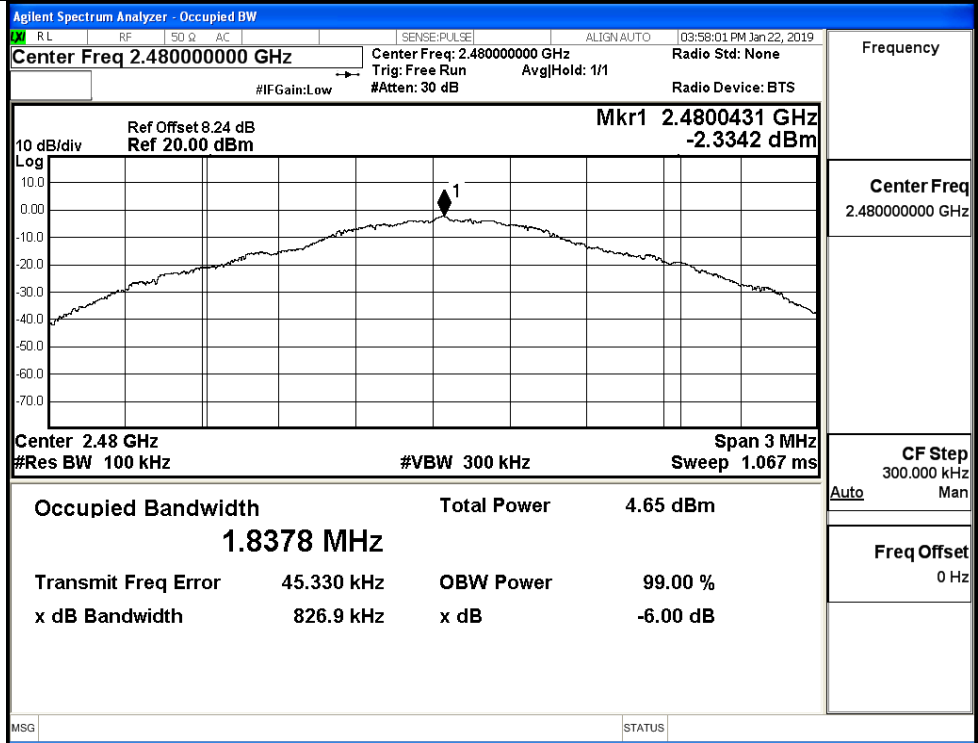
LCH



MCH



HCH

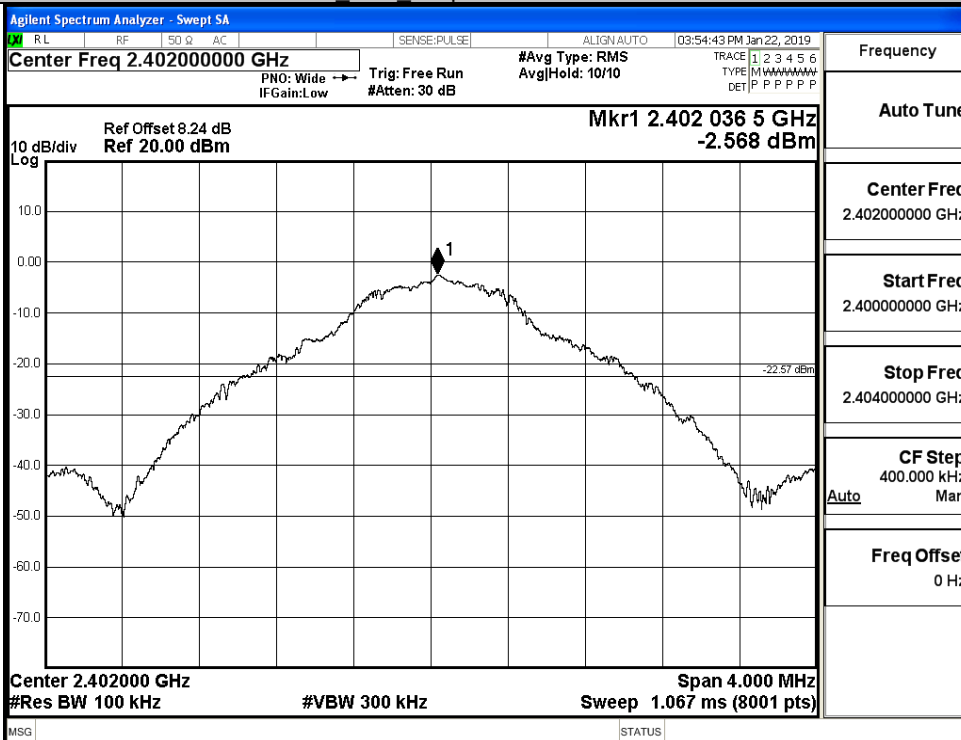


B.5 RF Conducted Spurious Emissions

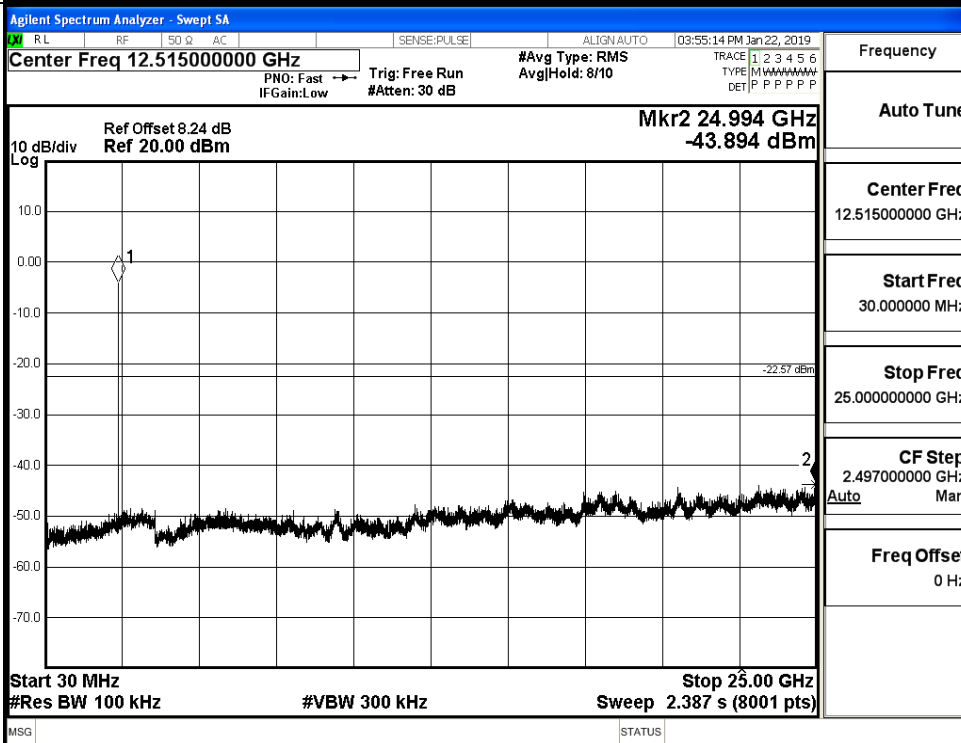
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.568	-43.894	-22.568	PASS
BT LE	MCH	-2.755	-43.760	-22.755	PASS
BT LE	HCH	-2.344	-42.867	-22.344	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

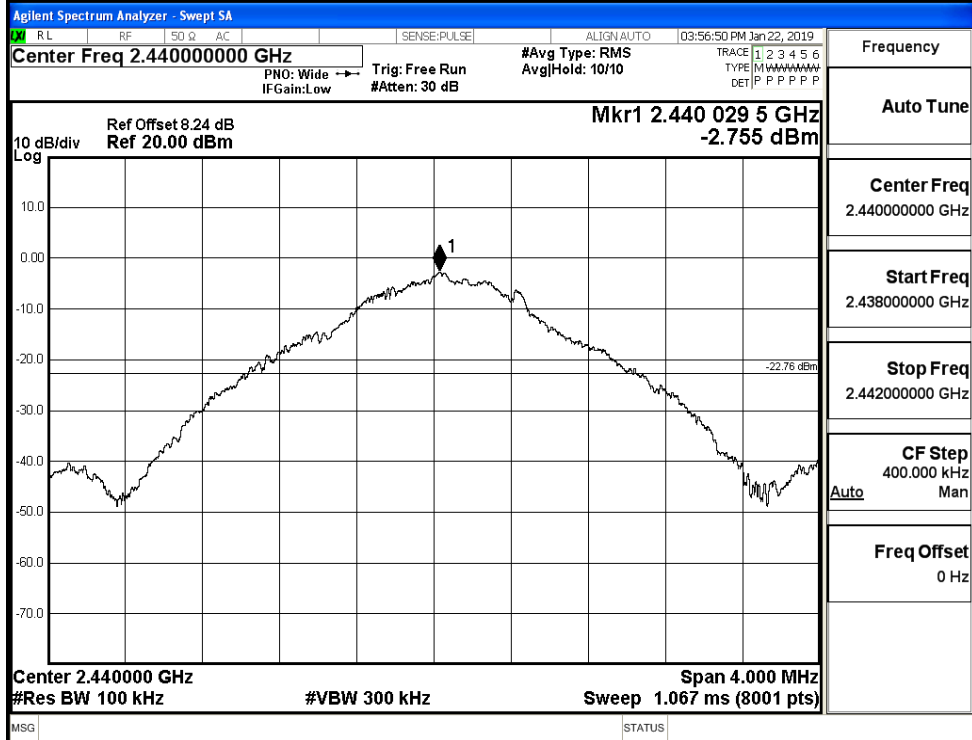


Puw/BT LE/LCH

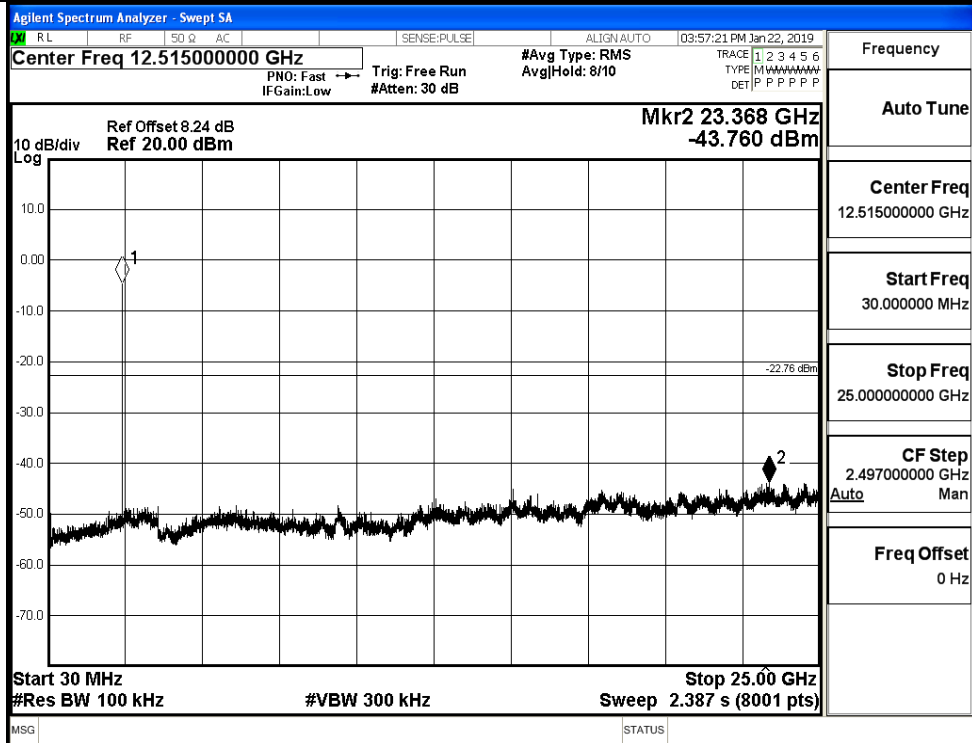


BT LE MCH Graphs

Pref/BT LE/MCH

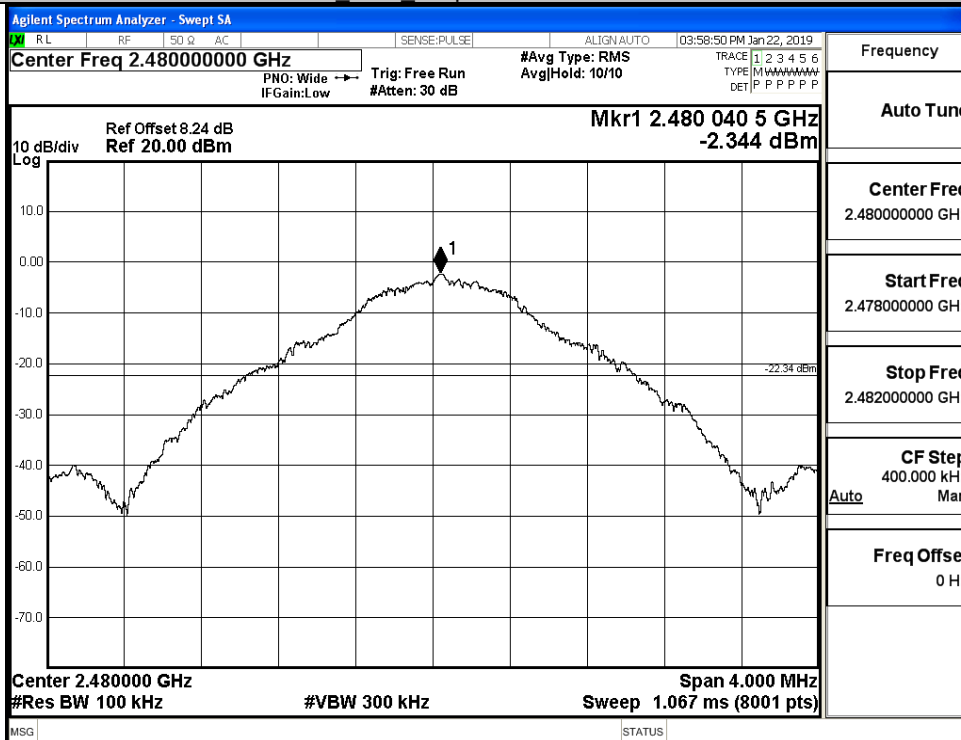


Puw/BT LE/MCH

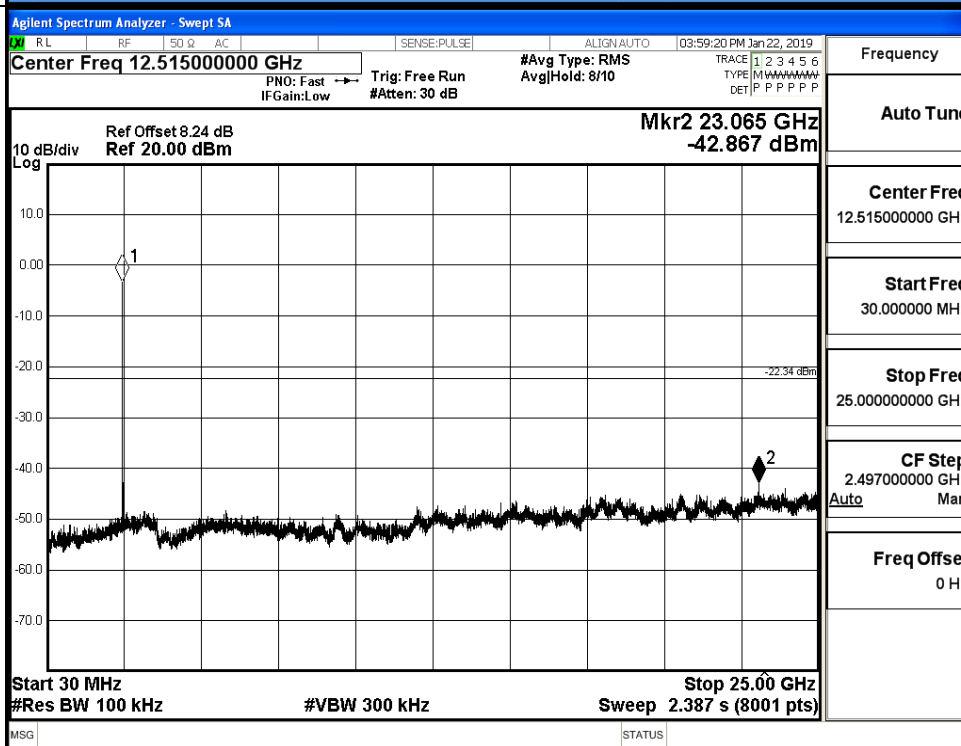


BT LE HCH Graphs

Pref/BT LE/HCH

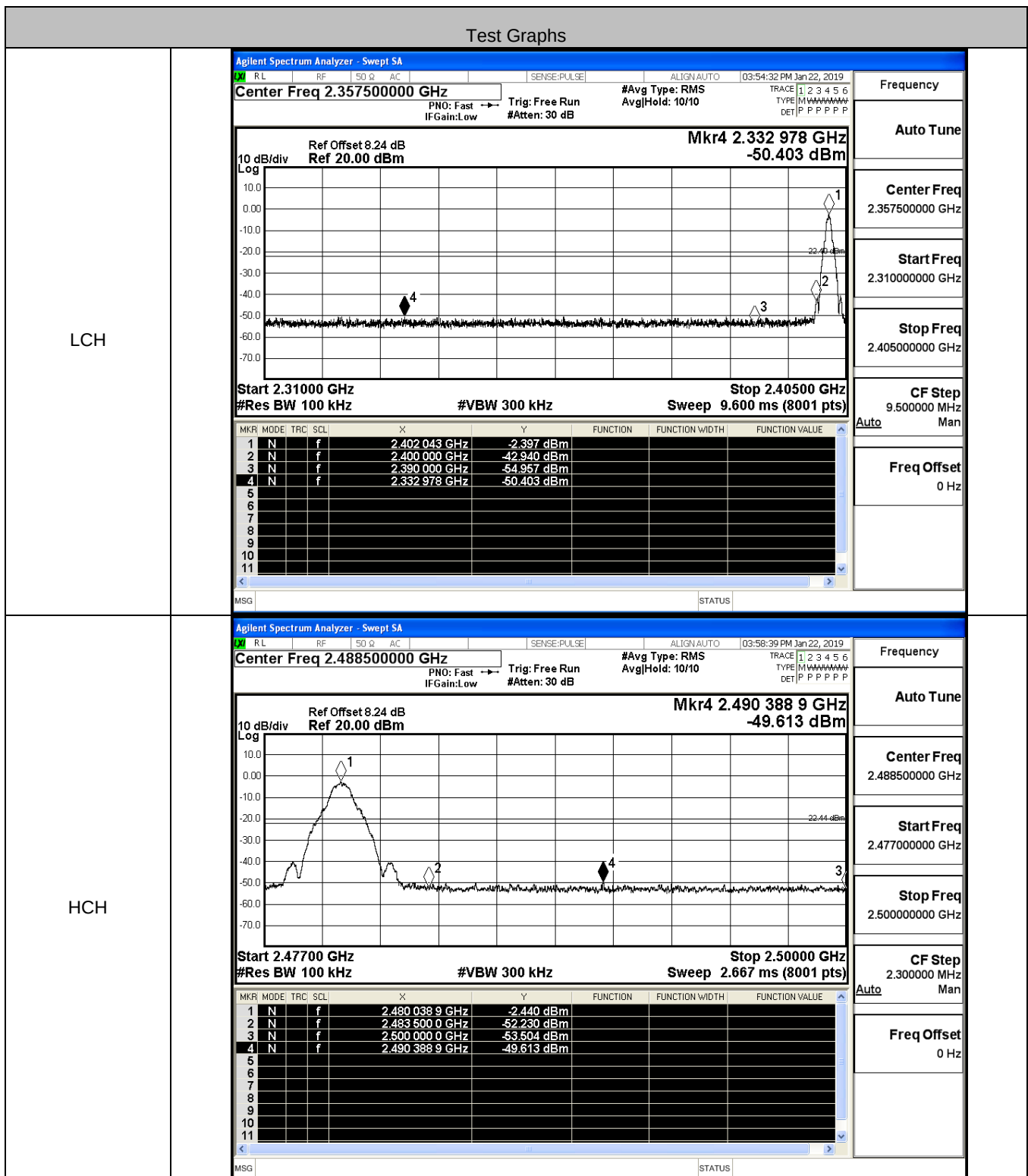


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

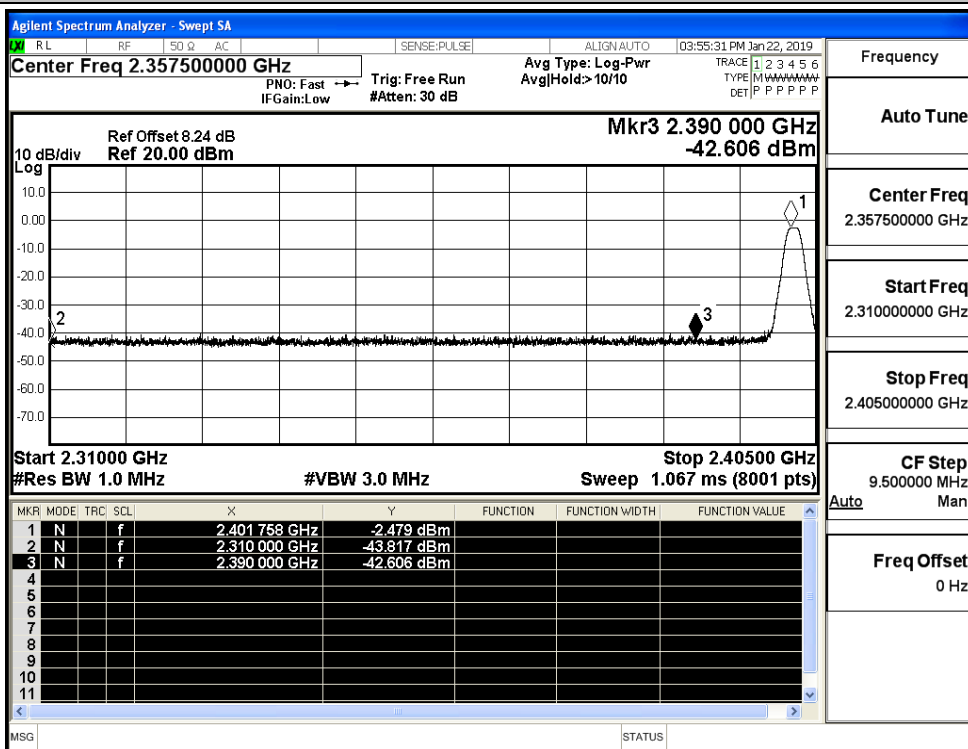
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.397	-50.403	-22.4	PASS
BT LE	HCH	-2.440	-49.613	-22.44	PASS



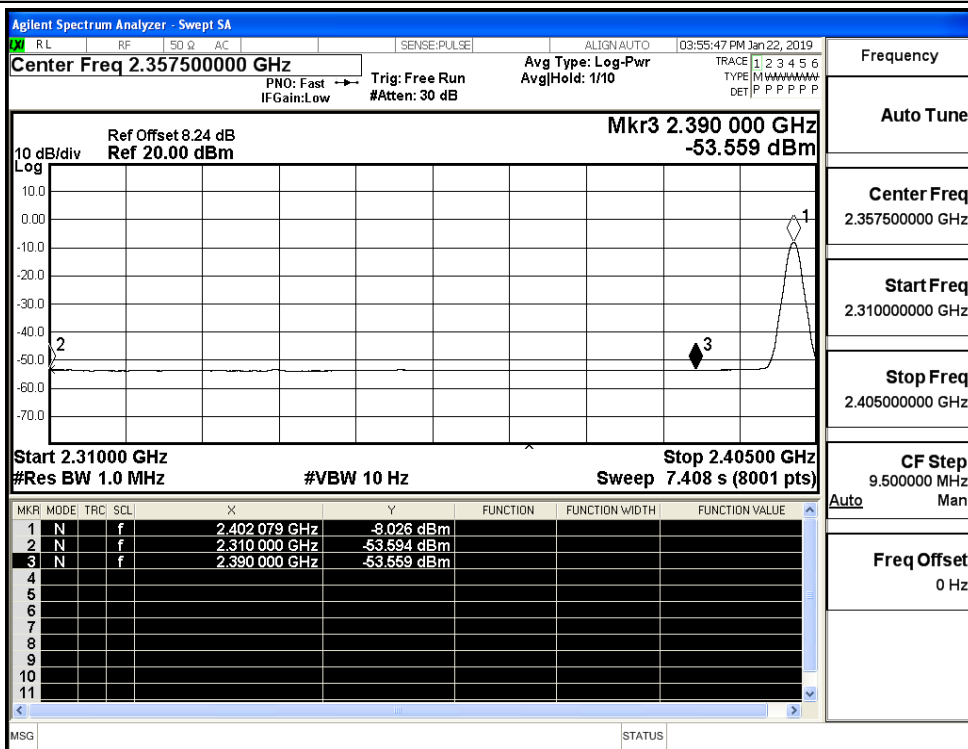
B.7 Restrict-band band-edge measurements

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	-43.82	2.0	0	51.44	PEAK	74	PASS
		Ant1	2310.0	-53.59	2.0	0	41.66	AV	54	PASS
		Ant1	2390.0	-42.61	2.0	0	52.65	PEAK	74	PASS
		Ant1	2390.0	-53.56	2.0	0	41.70	AV	54	PASS
	2480	Ant1	2483.5	-38.71	2.0	0	56.55	PEAK	74	PASS
		Ant1	2483.5	-52.04	2.0	0	43.21	AV	54	PASS
		Ant1	2500.0	-41.64	2.0	0	53.62	PEAK	74	PASS
		Ant1	2500.0	-52.85	2.0	0	42.41	AV	54	PASS

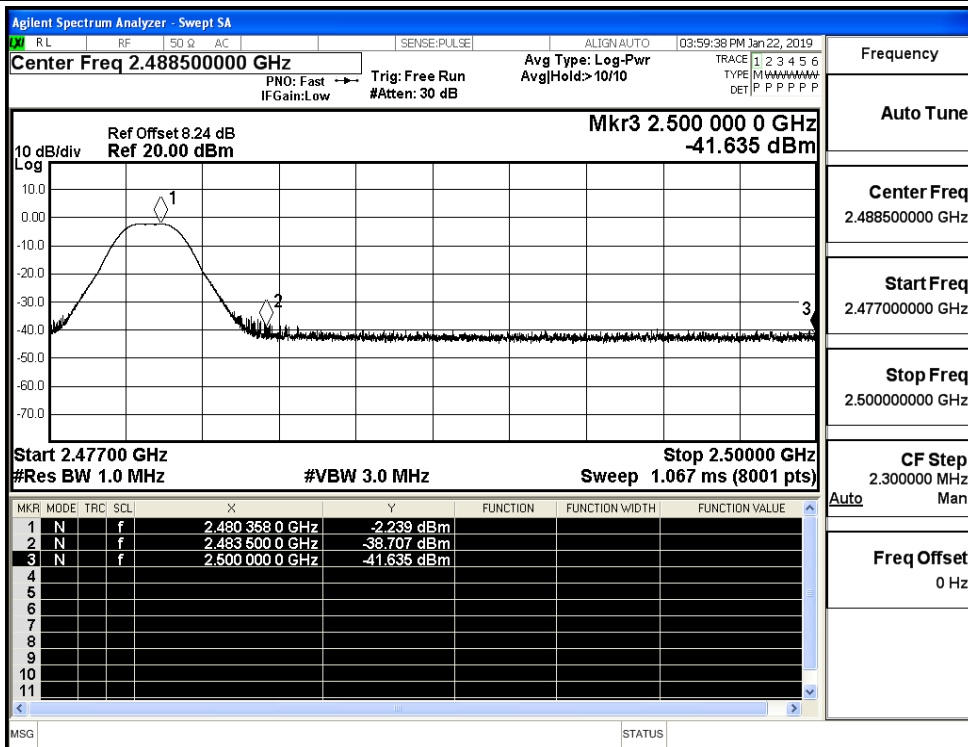
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

