

Appendix B

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

Product Name: WIRELESS HEADPHONE

Trade Mark: PAHP1002-ASST

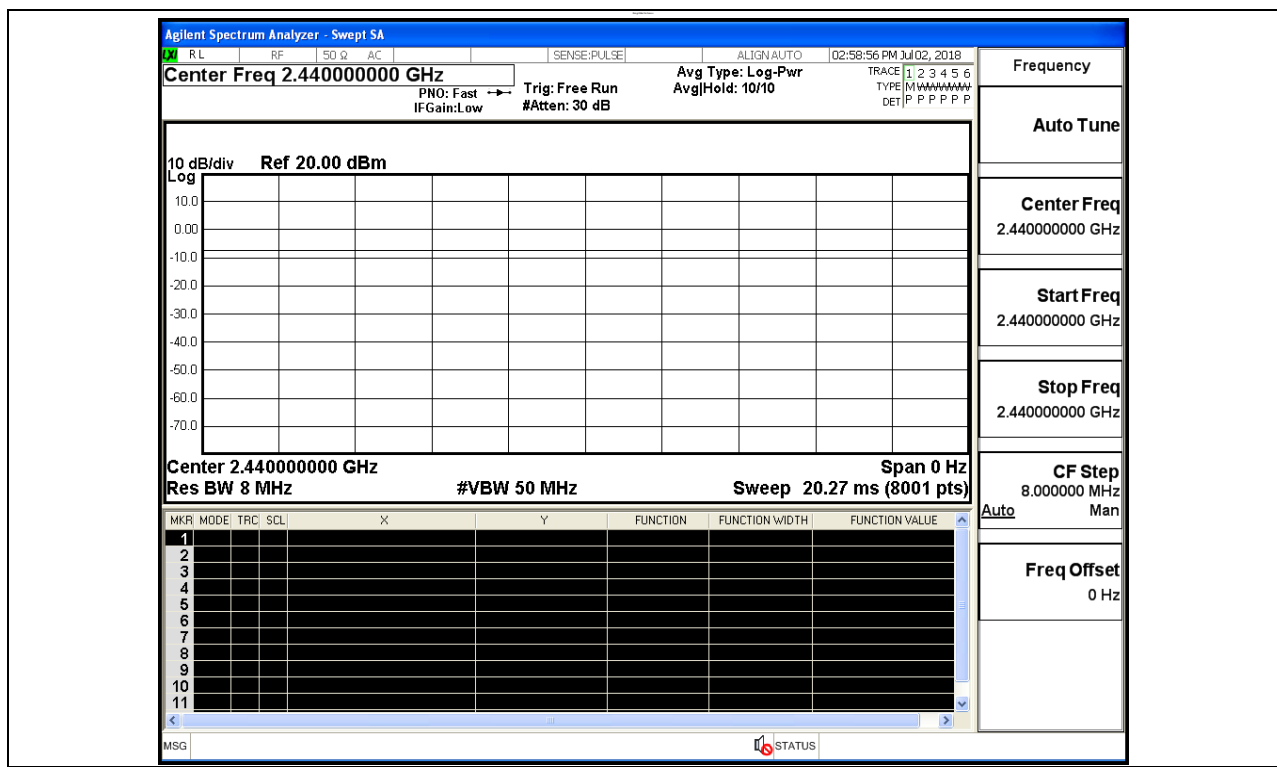
Test Model: PrimeAudio

Environmental Conditions

Temperature:	23.2 ° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Ryan.Hu
Supervised by:	Jayden.Zhuo

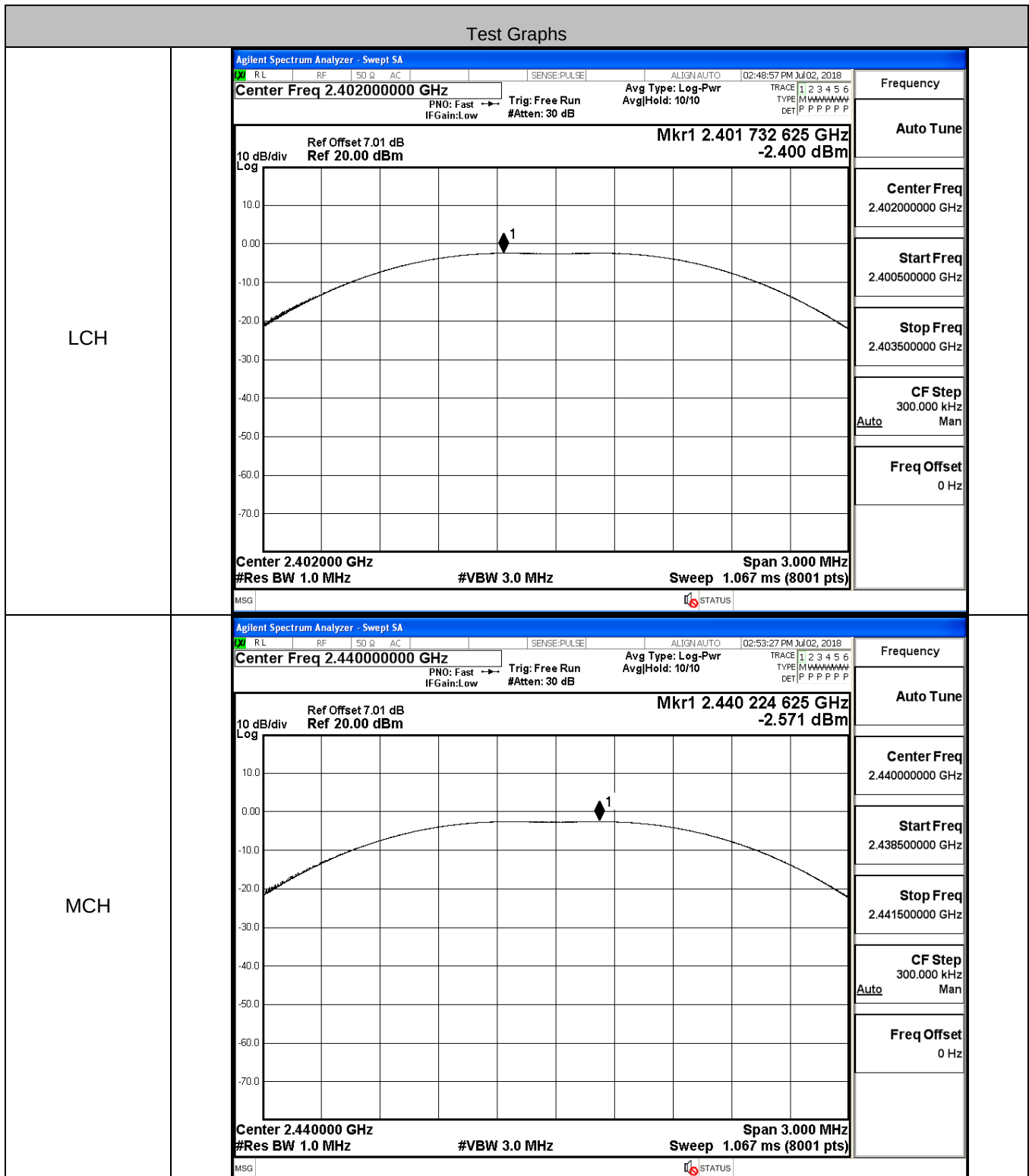
B.1 Duty Cycle

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

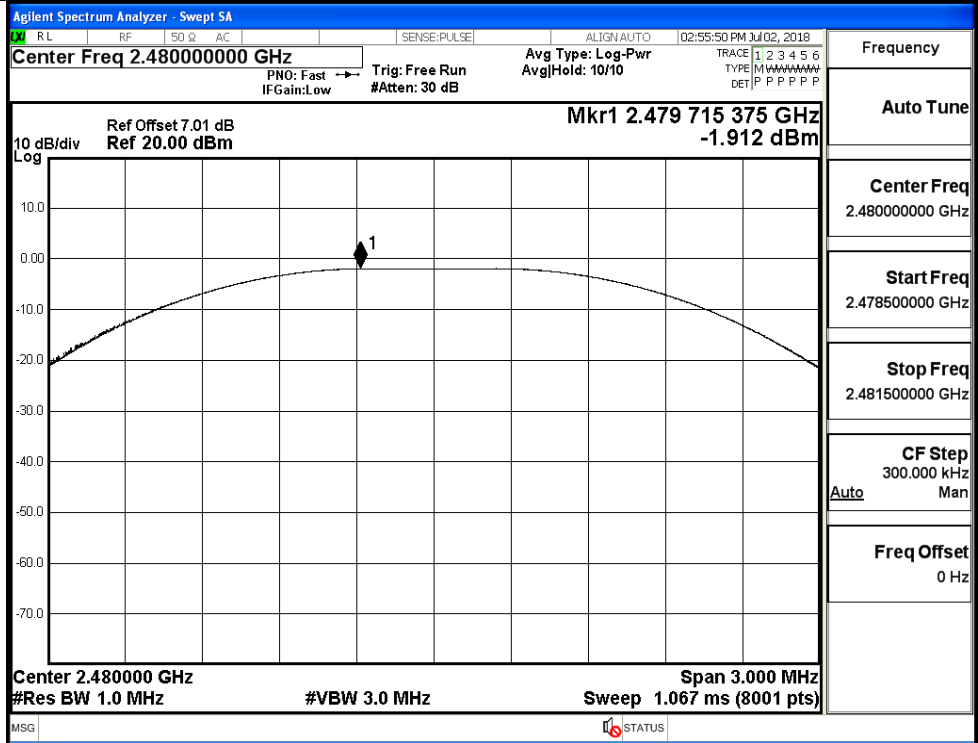


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.4	30	PASS
BT LE	MCH	-2.571	30	PASS
BT LE	HCH	-1.912	30	PASS

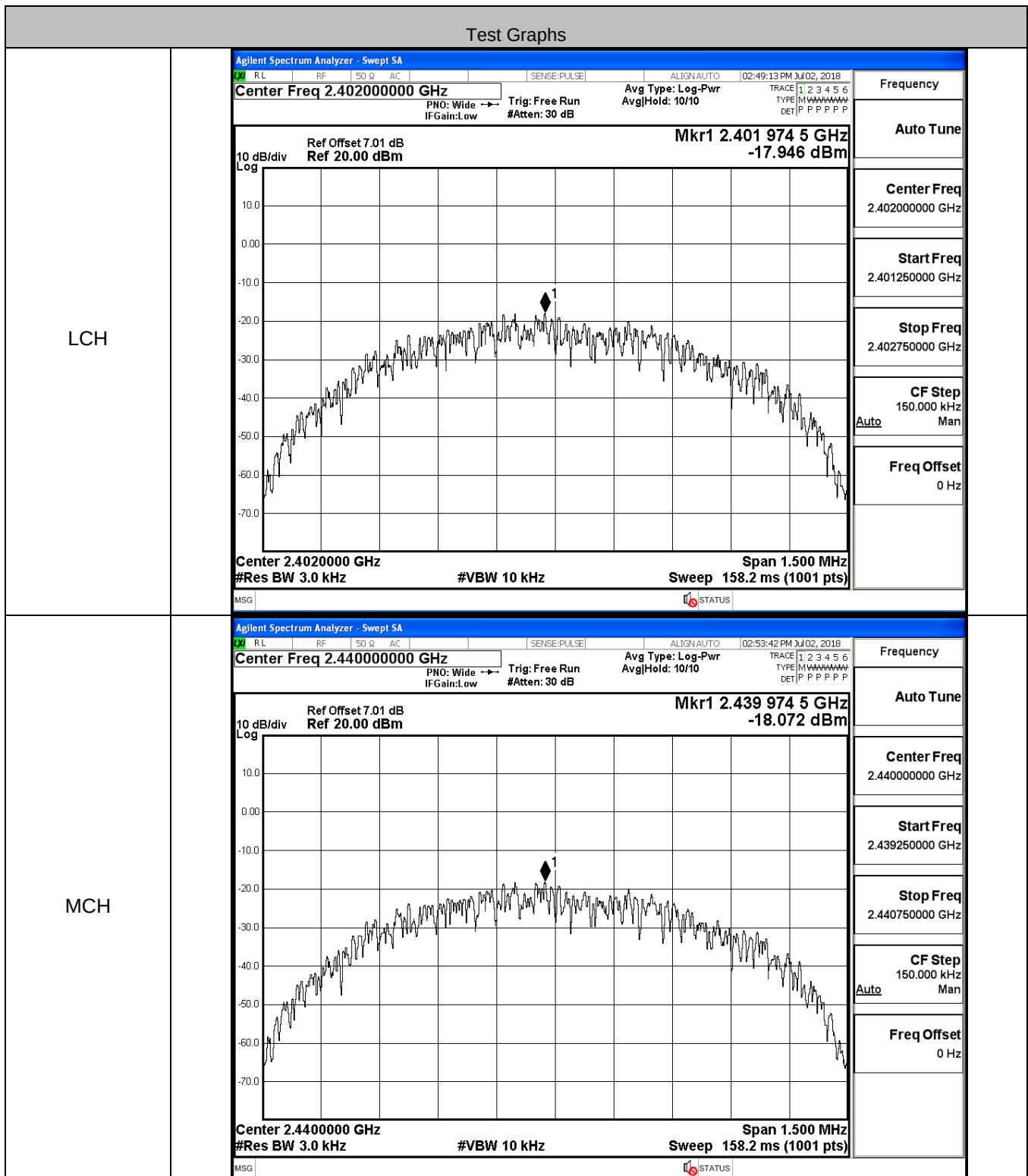


HCH



B.3 Maximum Power Spectral Density

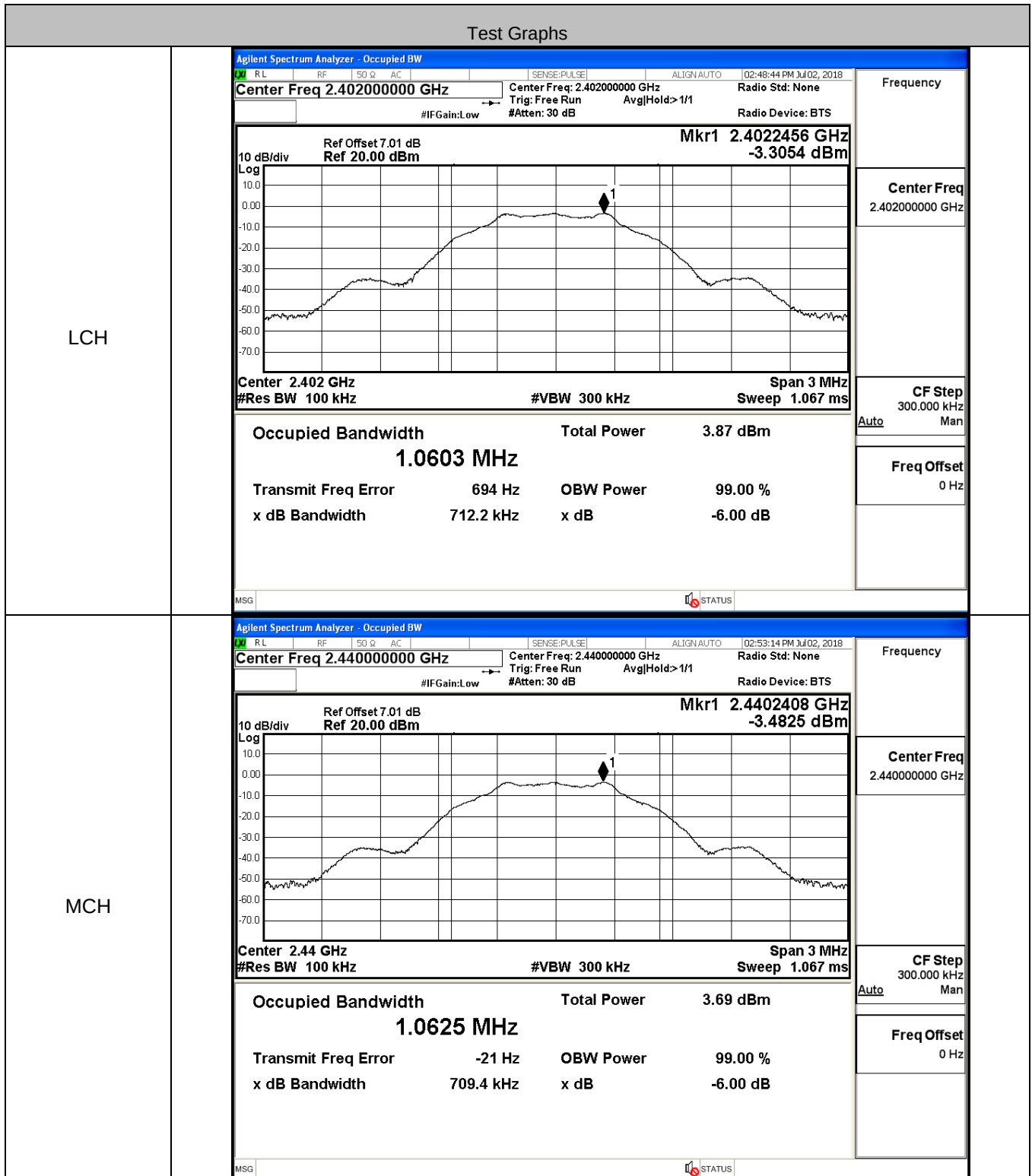
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.946	8	PASS
BT LE	MCH	-18.072	8	PASS
BT LE	HCH	-17.469	8	PASS



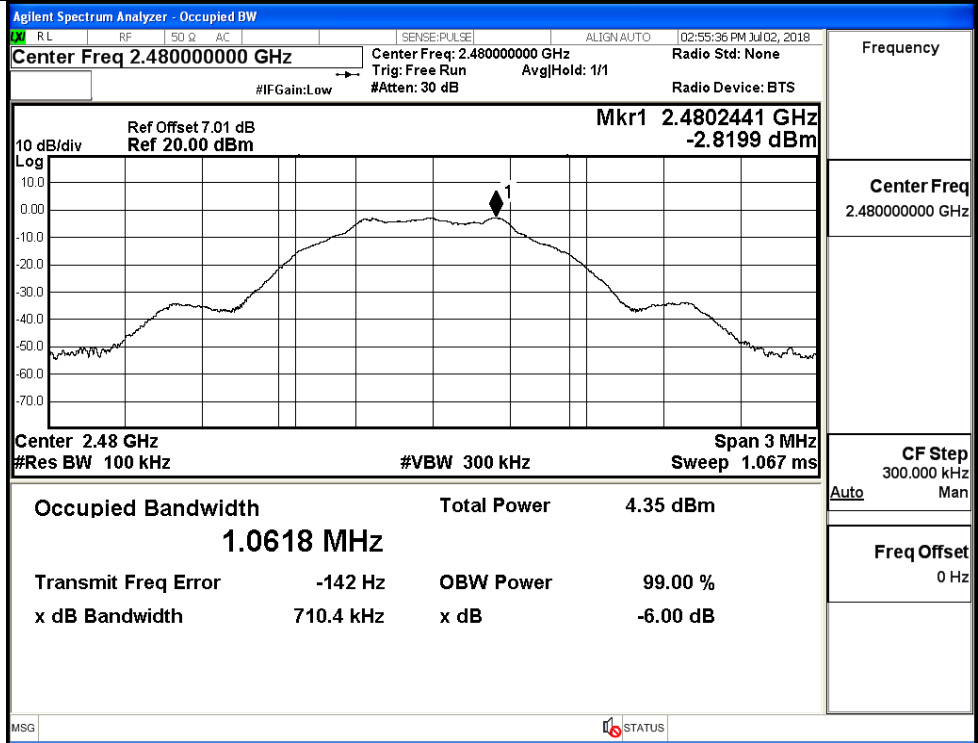


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7122	≥ 0.5	PASS
BT LE	MCH	0.7094	≥ 0.5	PASS
BT LE	HCH	0.7104	≥ 0.5	PASS

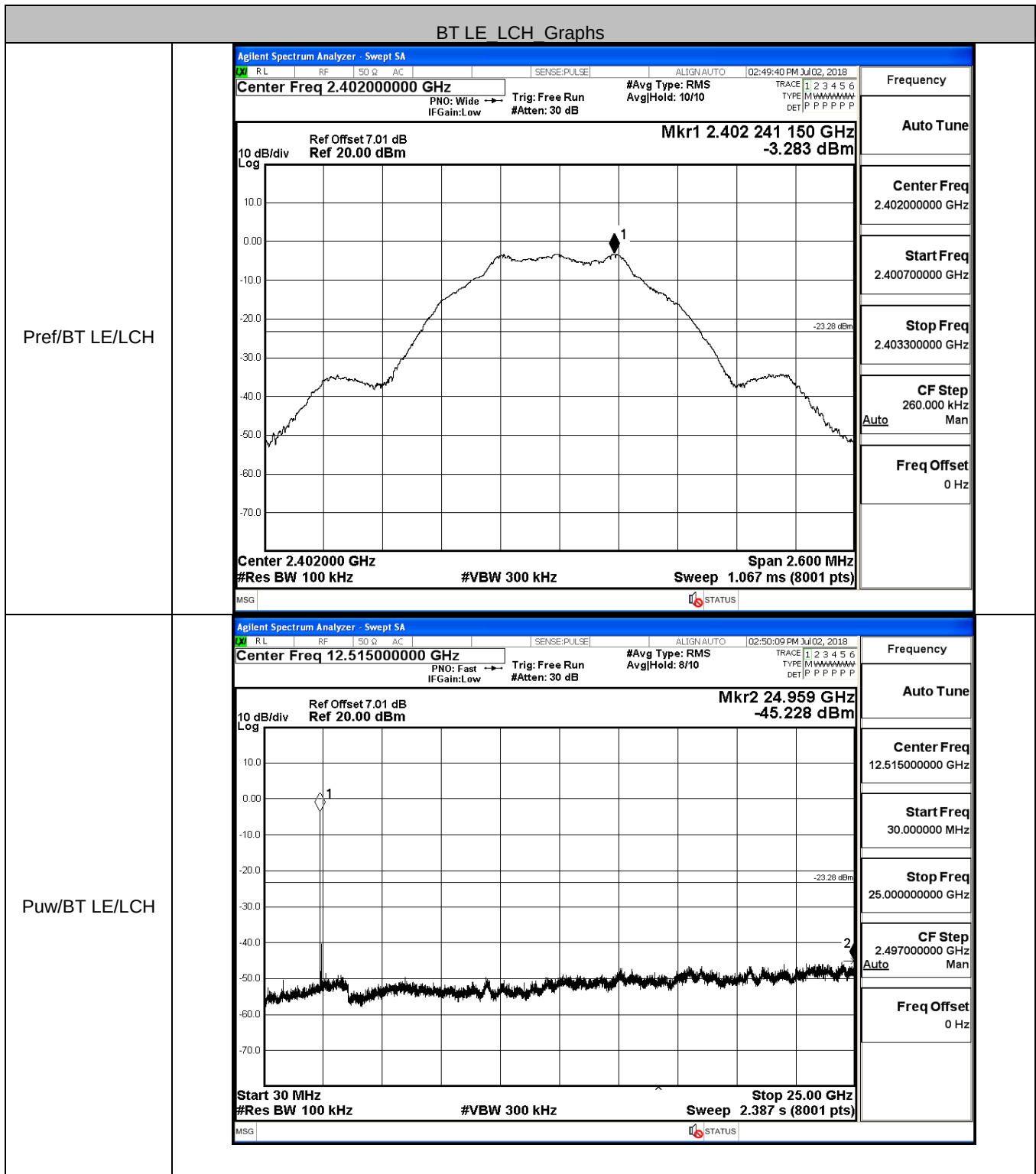


HCH



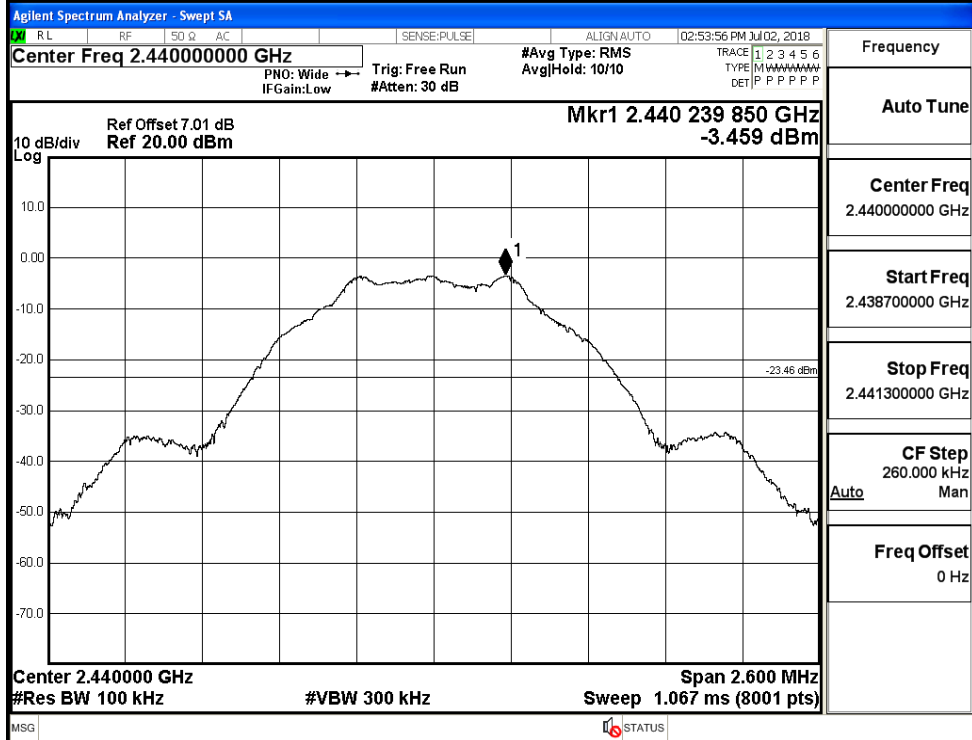
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.283	-45.228	-23.283	PASS
BT LE	MCH	-3.459	-45.084	-23.459	PASS
BT LE	HCH	-2.885	-44.176	-22.885	PASS

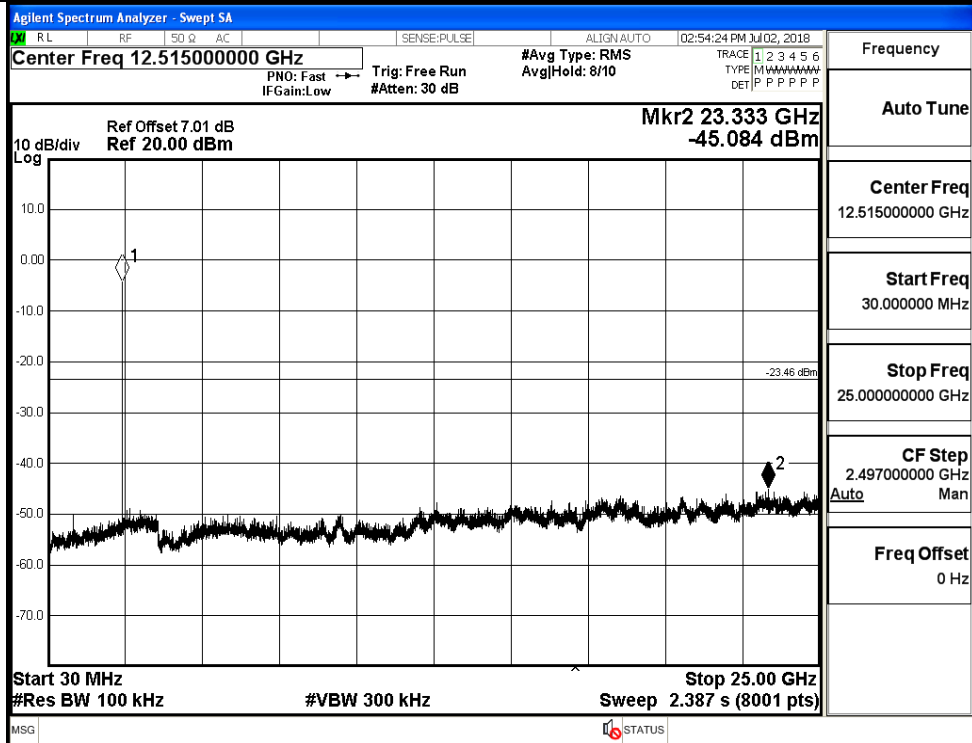


BT LE MCH Graphs

Pref/BT LE/MCH

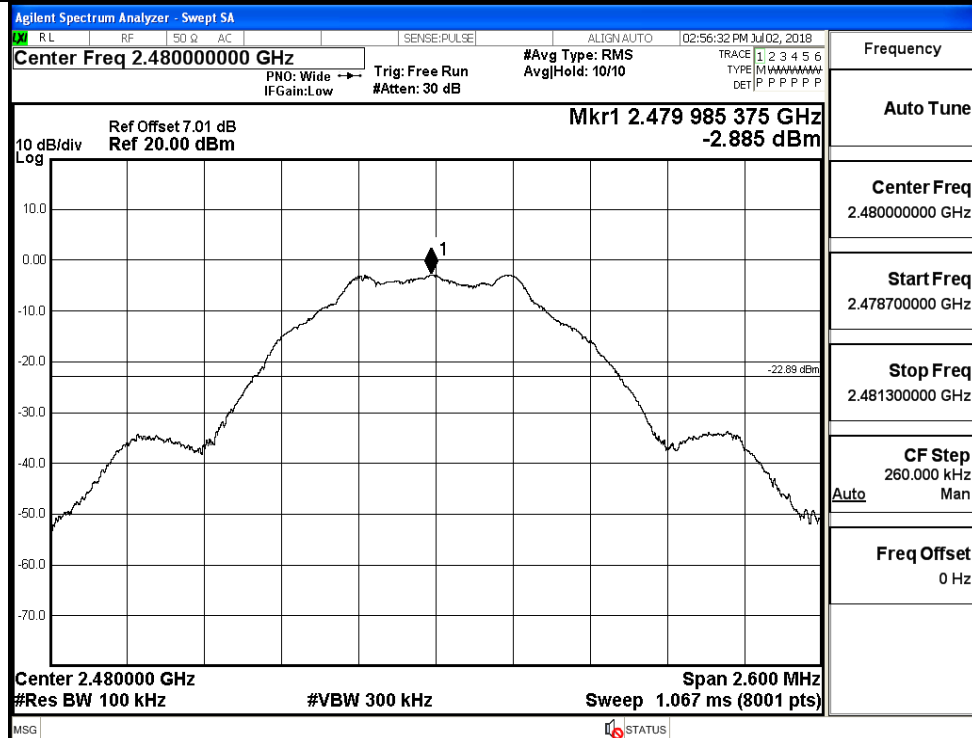


Puw/BT LE/MCH

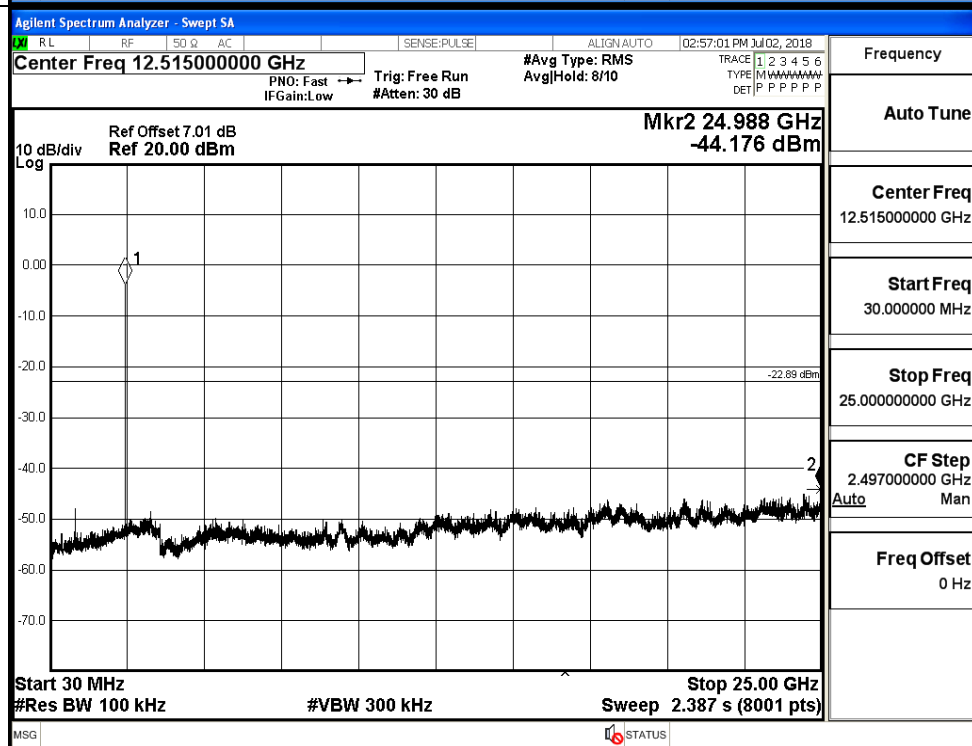


BT LE HCH Graphs

Pref/BT LE/HCH

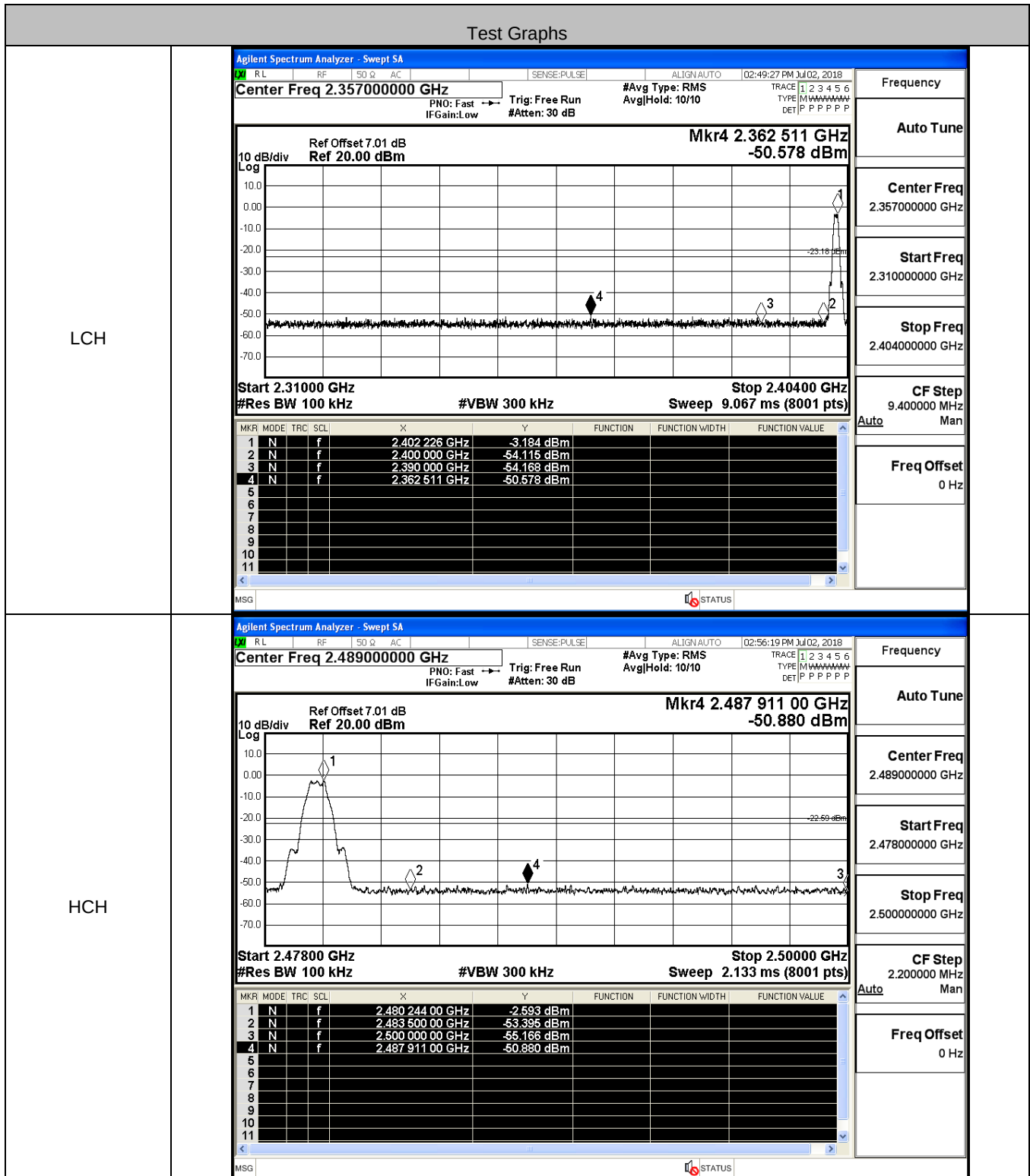


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

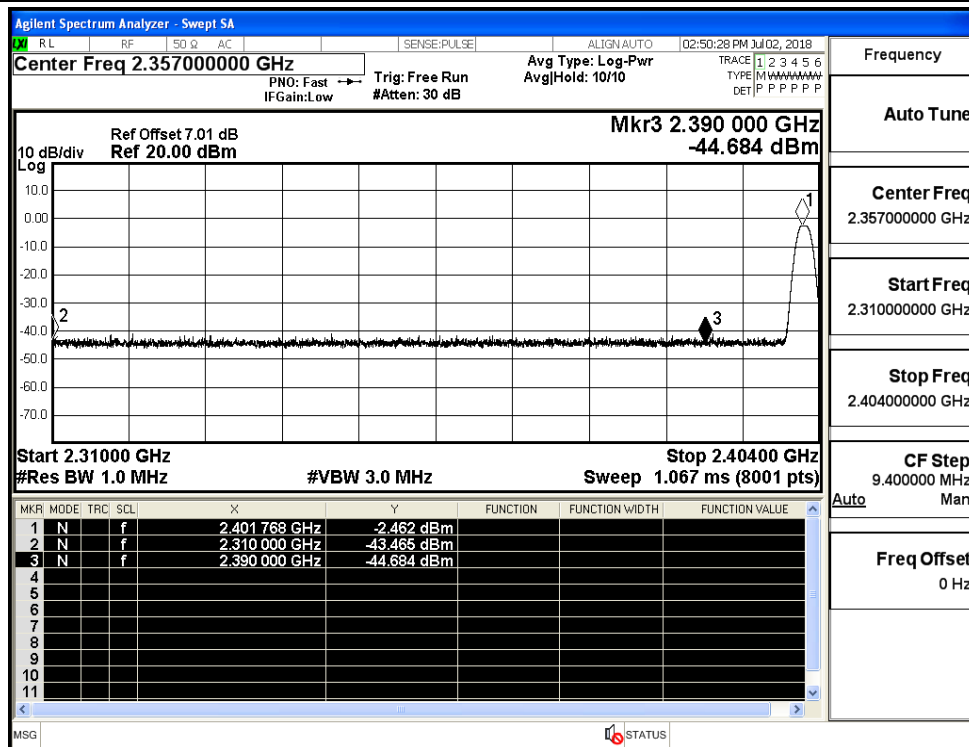
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.184	-50.578	-23.18	PASS
BT LE	HCH	-2.593	-50.880	-22.59	PASS



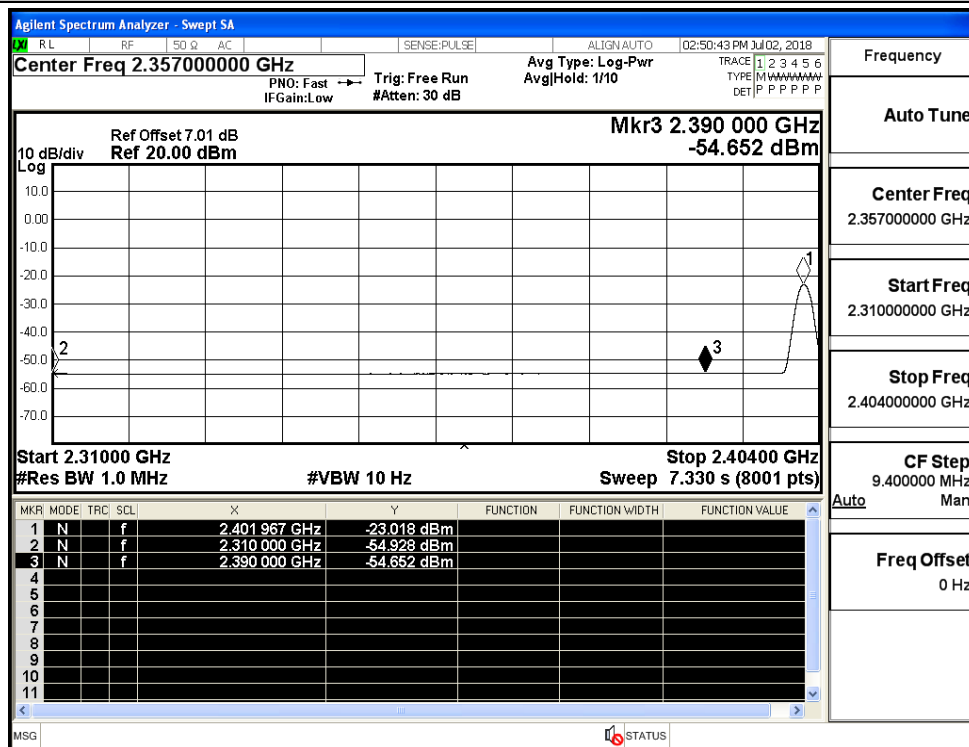
B.7 Restrict-band band-edge measurements

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	-43.47	2.0	0	53.79	PEAK	74	PASS
		Ant1	2310.0	-54.93	2.0	0	42.33	AV	54	PASS
		Ant1	2390.0	-44.68	2.0	0	52.57	PEAK	74	PASS
		Ant1	2390.0	-54.65	2.0	0	42.61	AV	54	PASS
	2480	Ant1	2483.5	-43.81	2.0	0	53.45	PEAK	74	PASS
		Ant1	2483.5	-54.45	2.0	0	42.81	AV	54	PASS
		Ant1	2500.0	-43.94	2.0	0	53.32	PEAK	74	PASS
		Ant1	2500.0	-54.30	2.0	0	42.96	AV	54	PASS

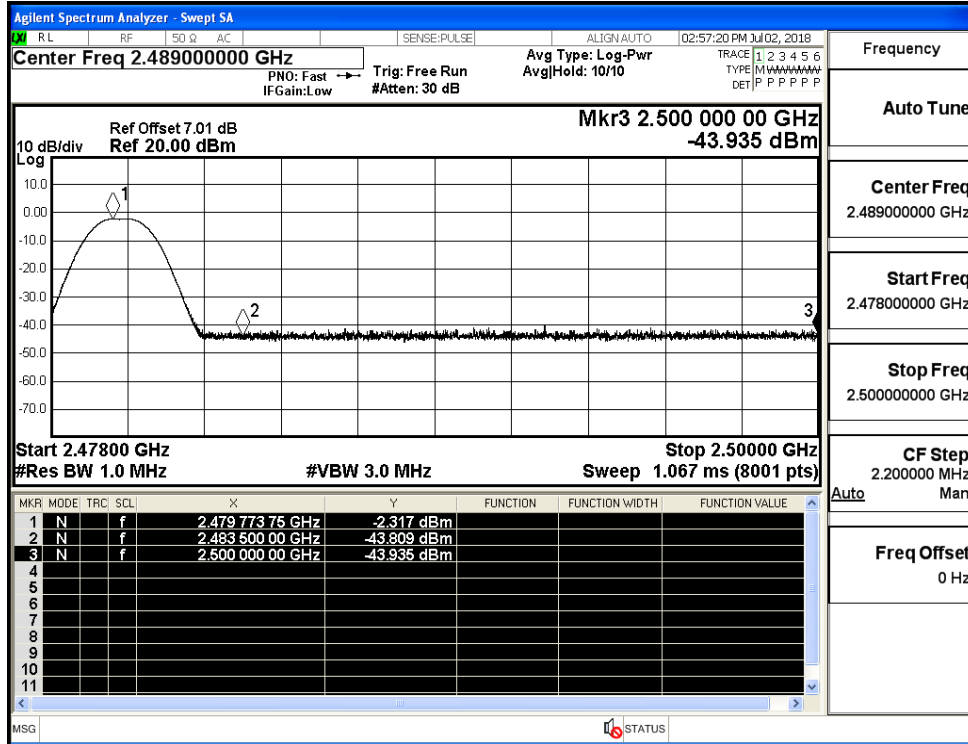
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

