

Appendix A

RF Test Data for BT V4.0(BDR/EDR) (Conducted Measurement)

Product Name: LCD Advertising Player

Trade Mark: N/A

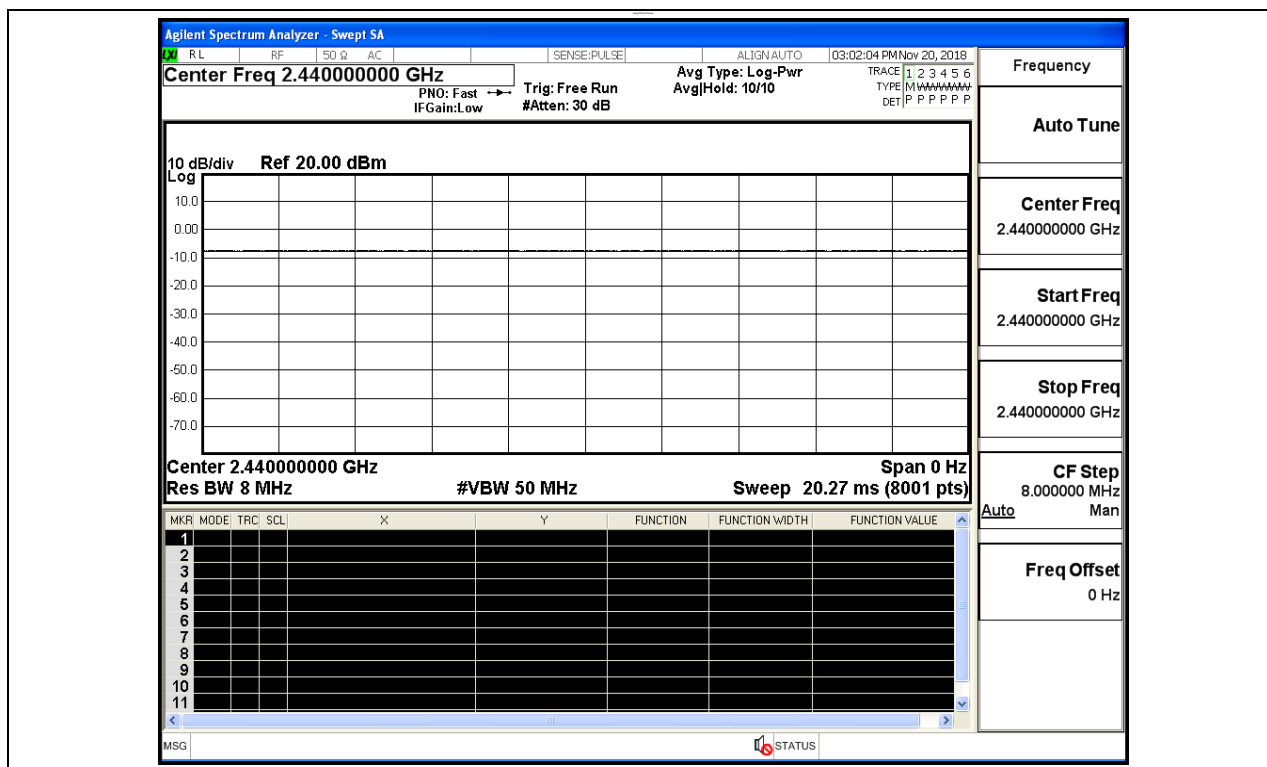
Test Model: ADV4331T

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	WANGCHUANG
Supervised by:	Jayden.Zhuo

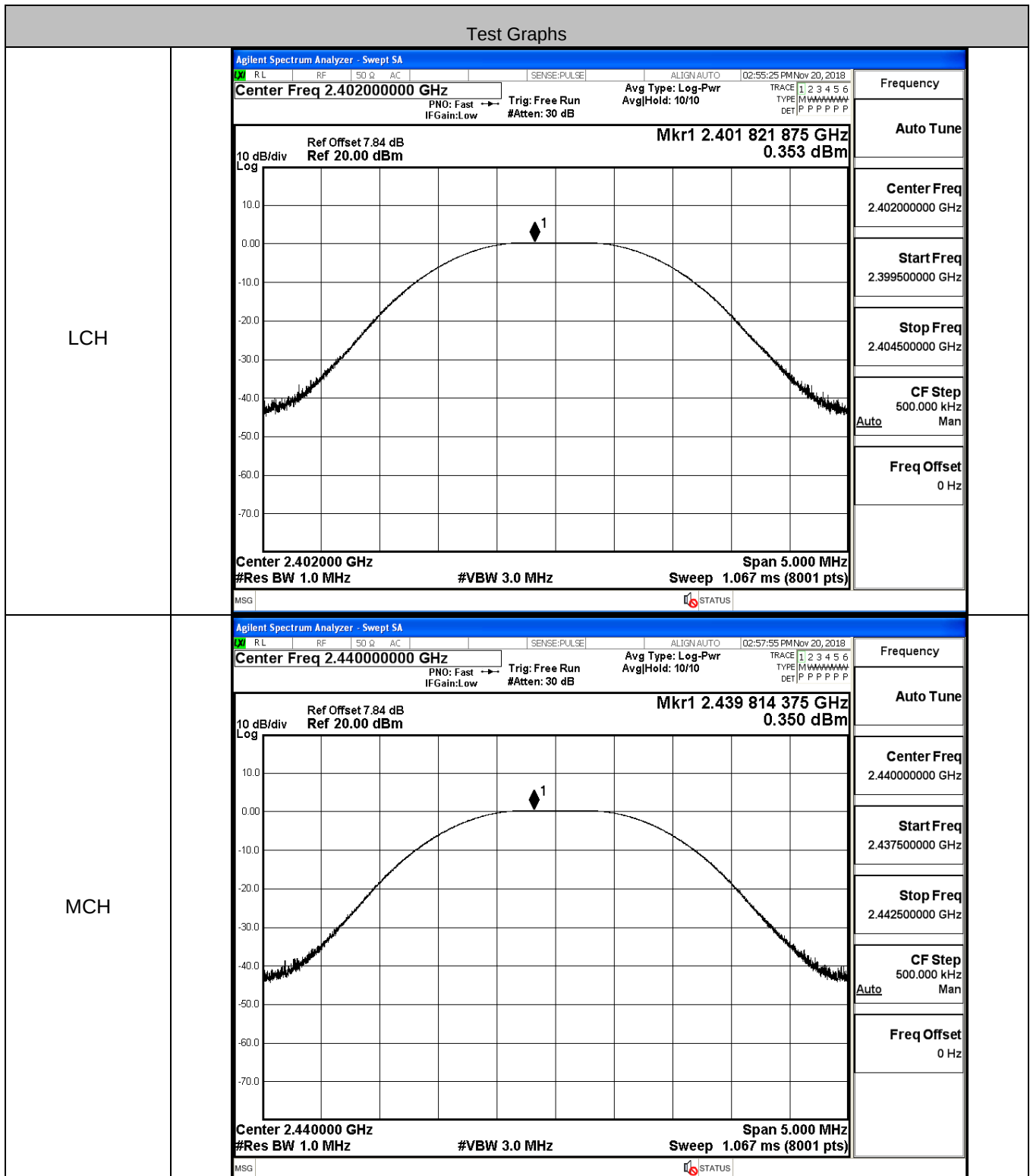
A.1 Duty Cycle

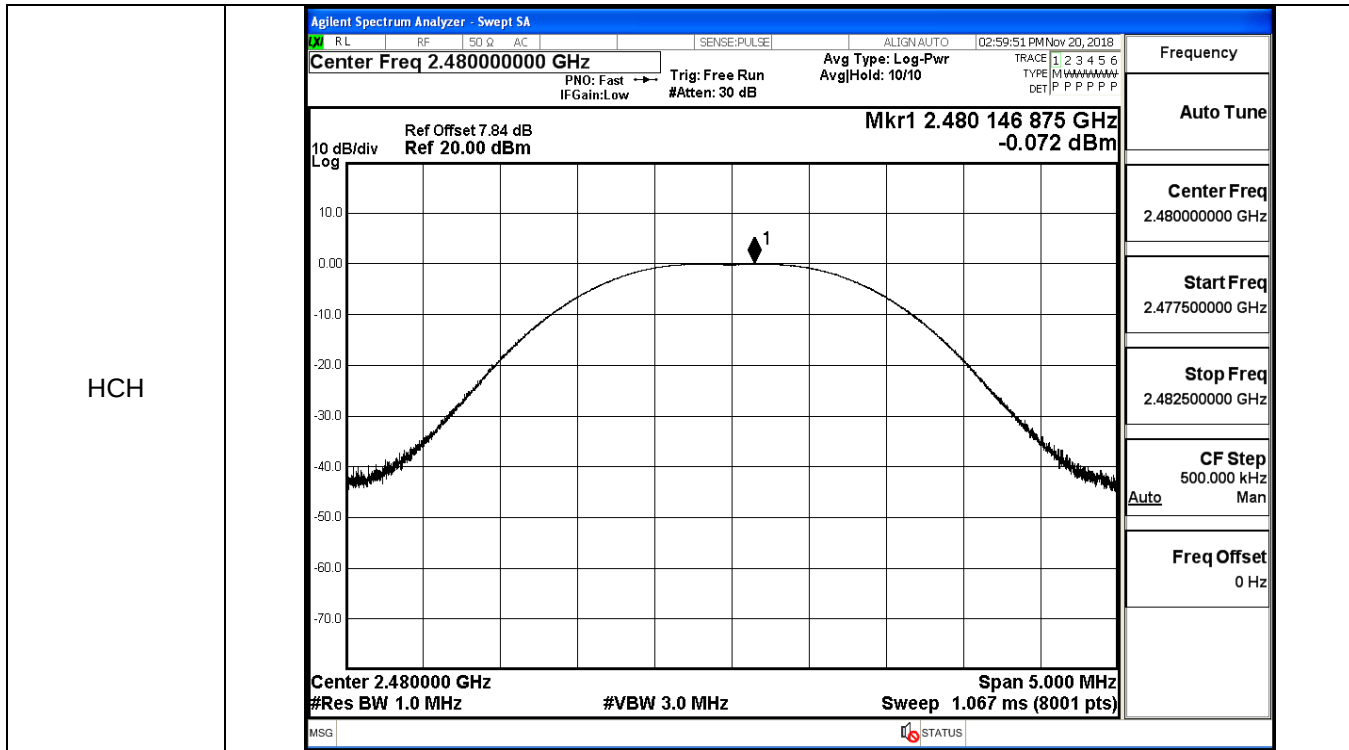
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



A.2 Maximum Conducted Peak Output Power

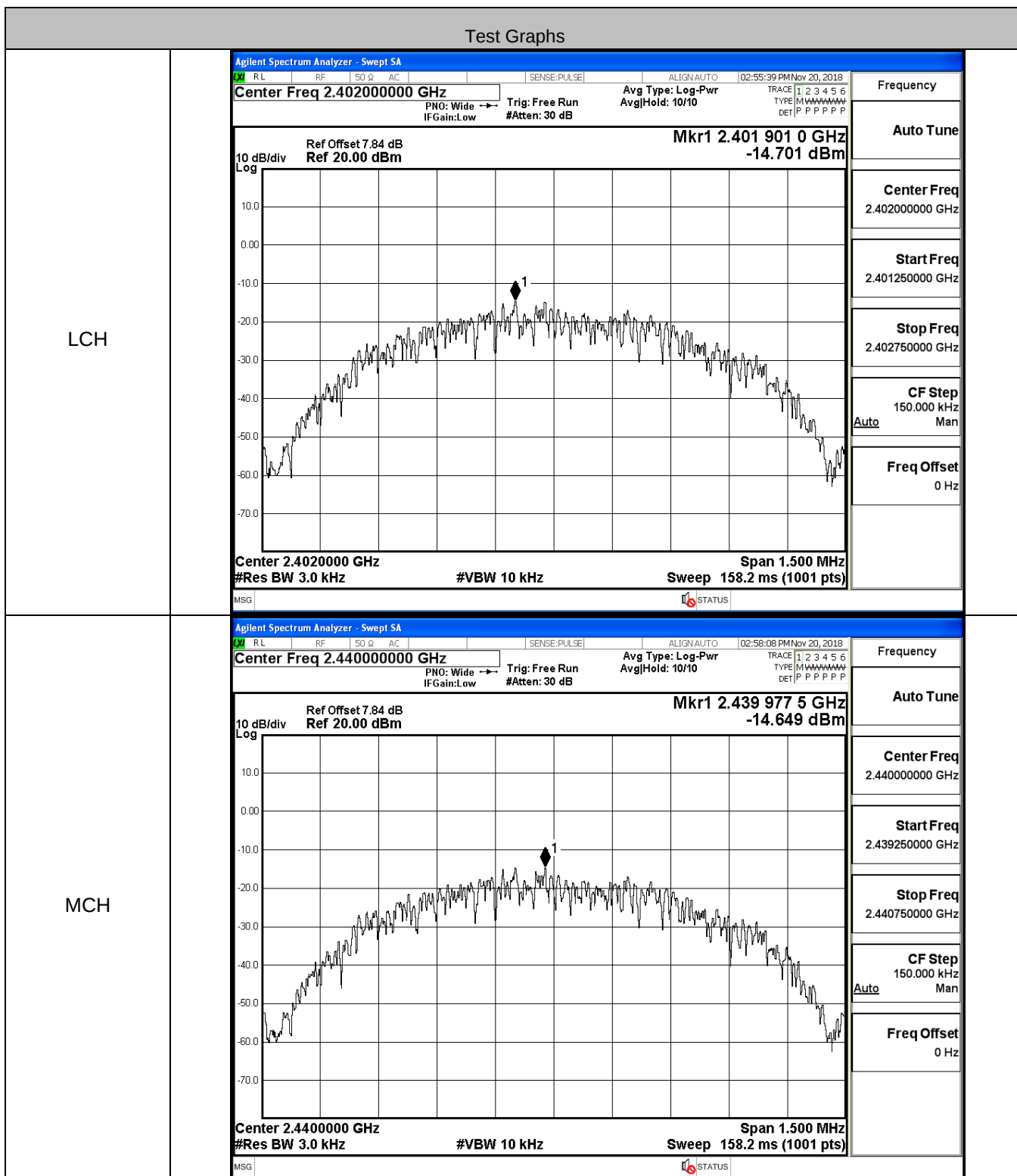
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.353	30	PASS
BT LE	MCH	0.35	30	PASS
BT LE	HCH	-0.072	30	PASS

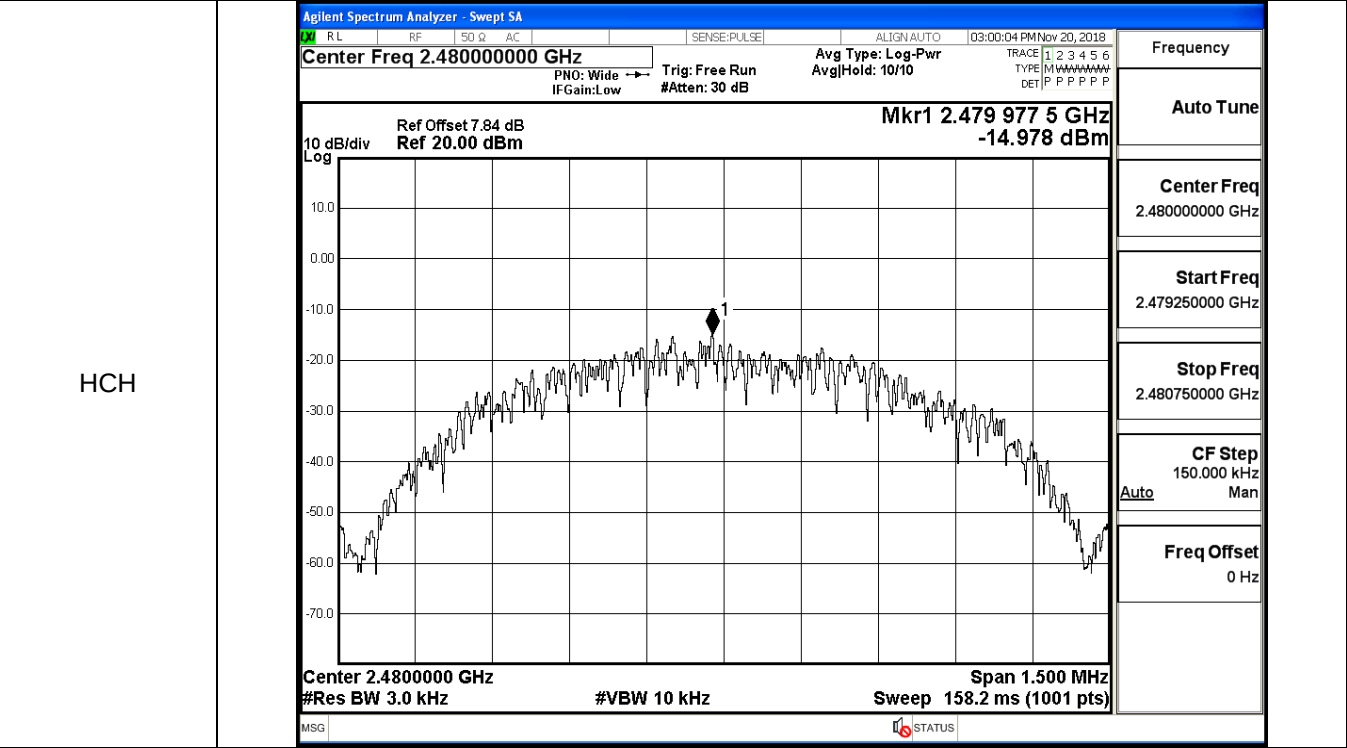




A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.701	8	PASS
BT LE	MCH	-14.649	8	PASS
BT LE	HCH	-14.978	8	PASS



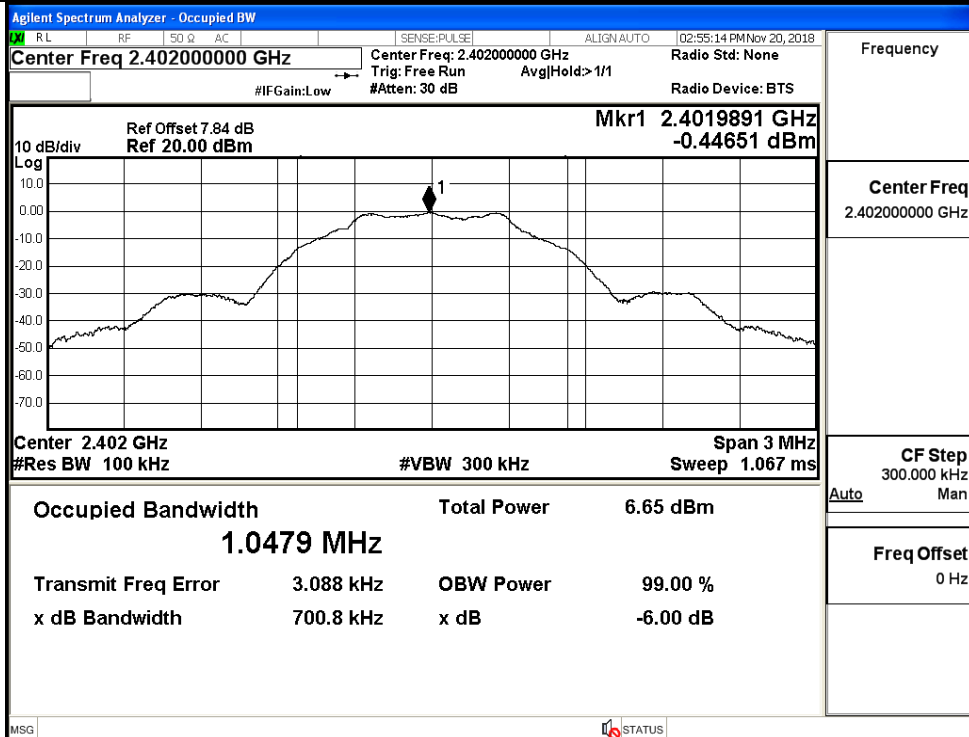


A.4 6dB Bandwidth

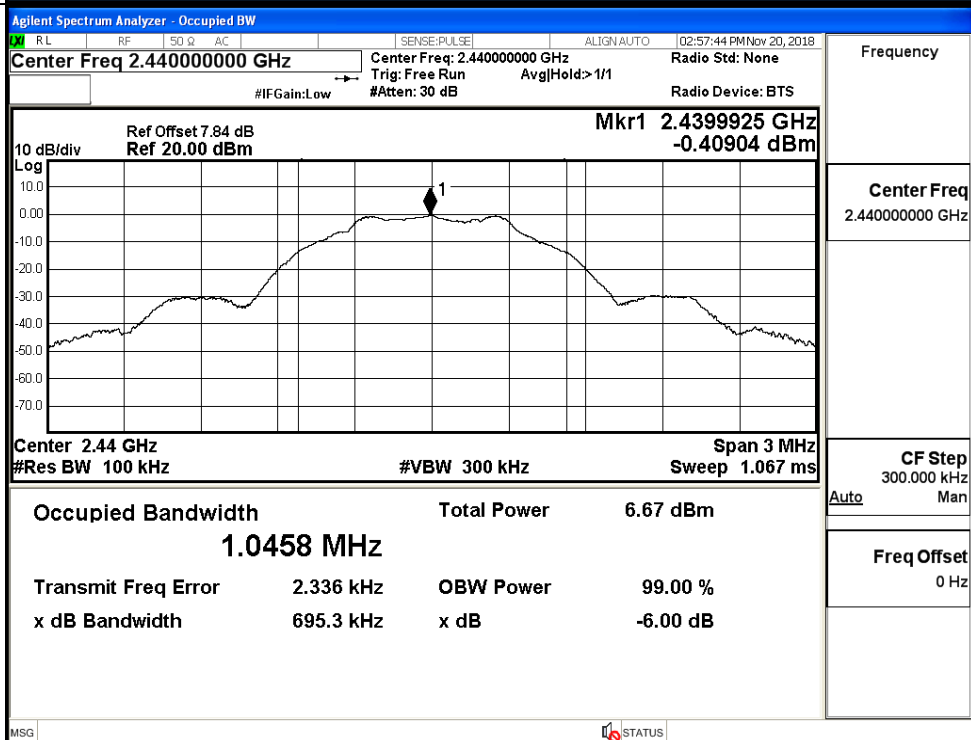
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7008	≥ 0.5	PASS
BT LE	MCH	0.6953	≥ 0.5	PASS
BT LE	HCH	0.6960	≥ 0.5	PASS

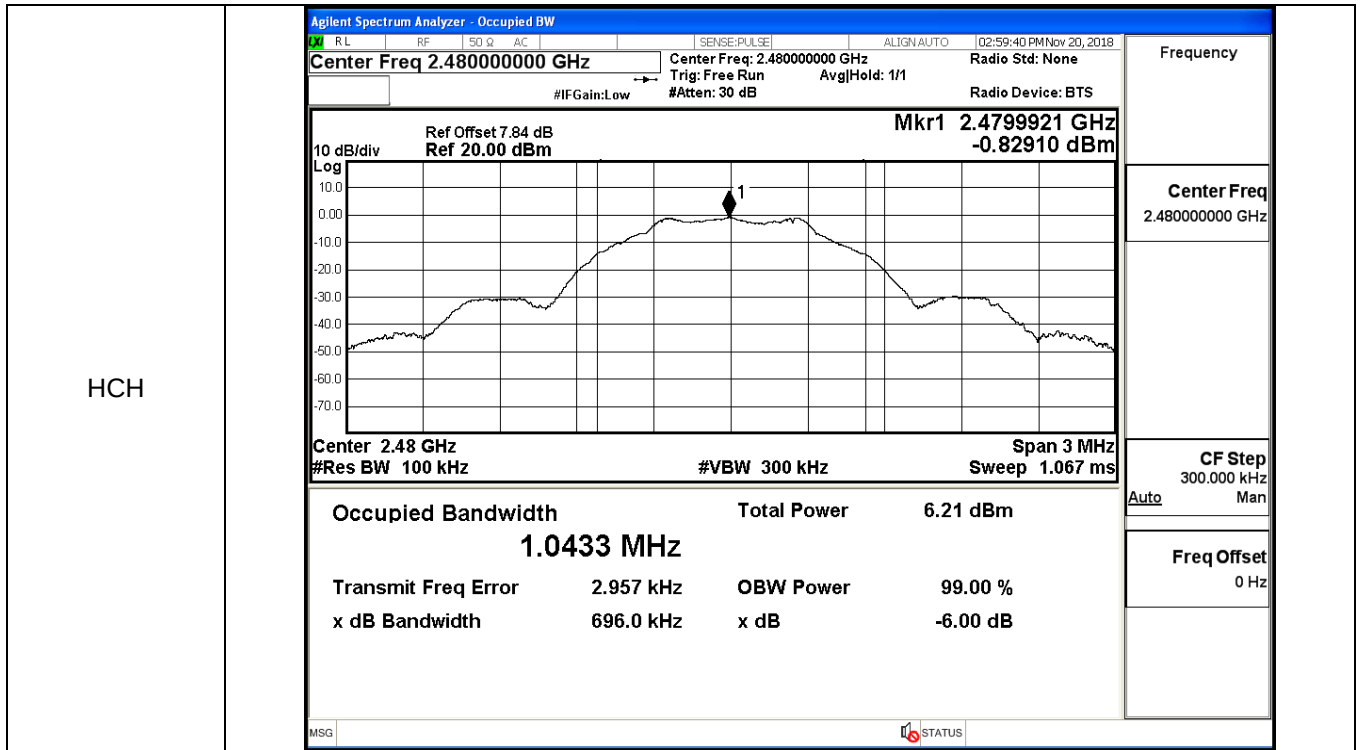
Test Graphs

LCH



MCH



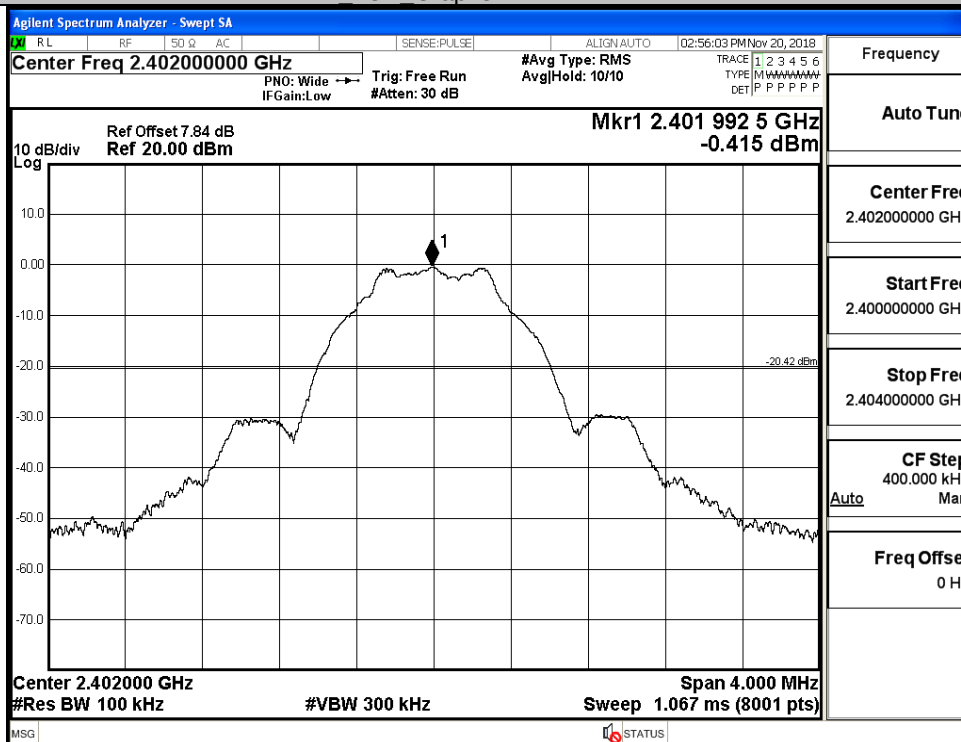


A.5 RF Conducted Spurious Emissions

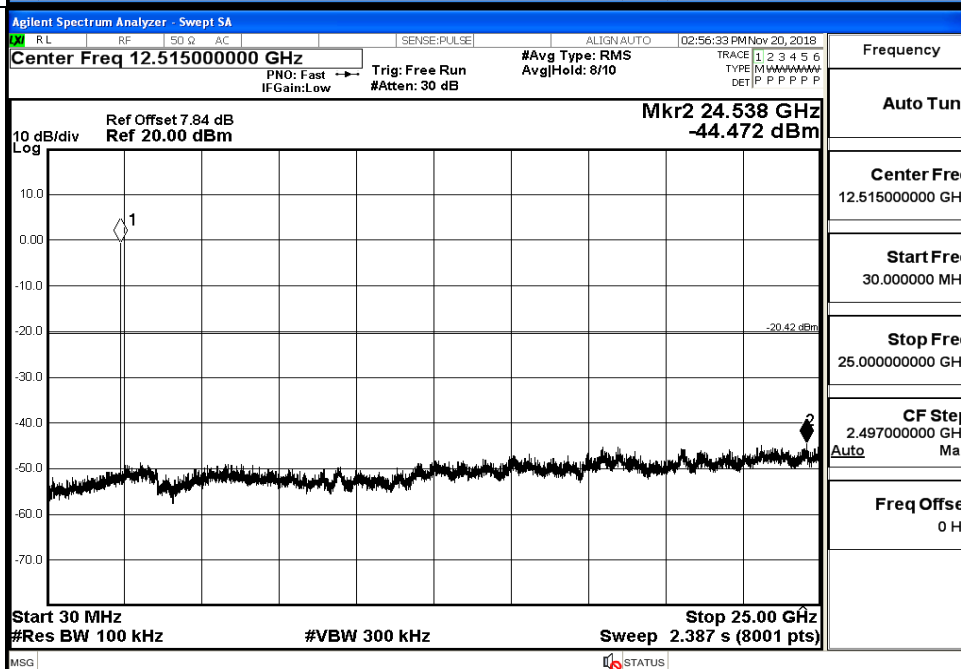
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.415	-44.472	-20.415	PASS
BT LE	MCH	-0.372	-37.638	-20.372	PASS
BT LE	HCH	-1.004	-36.340	-21.004	PASS

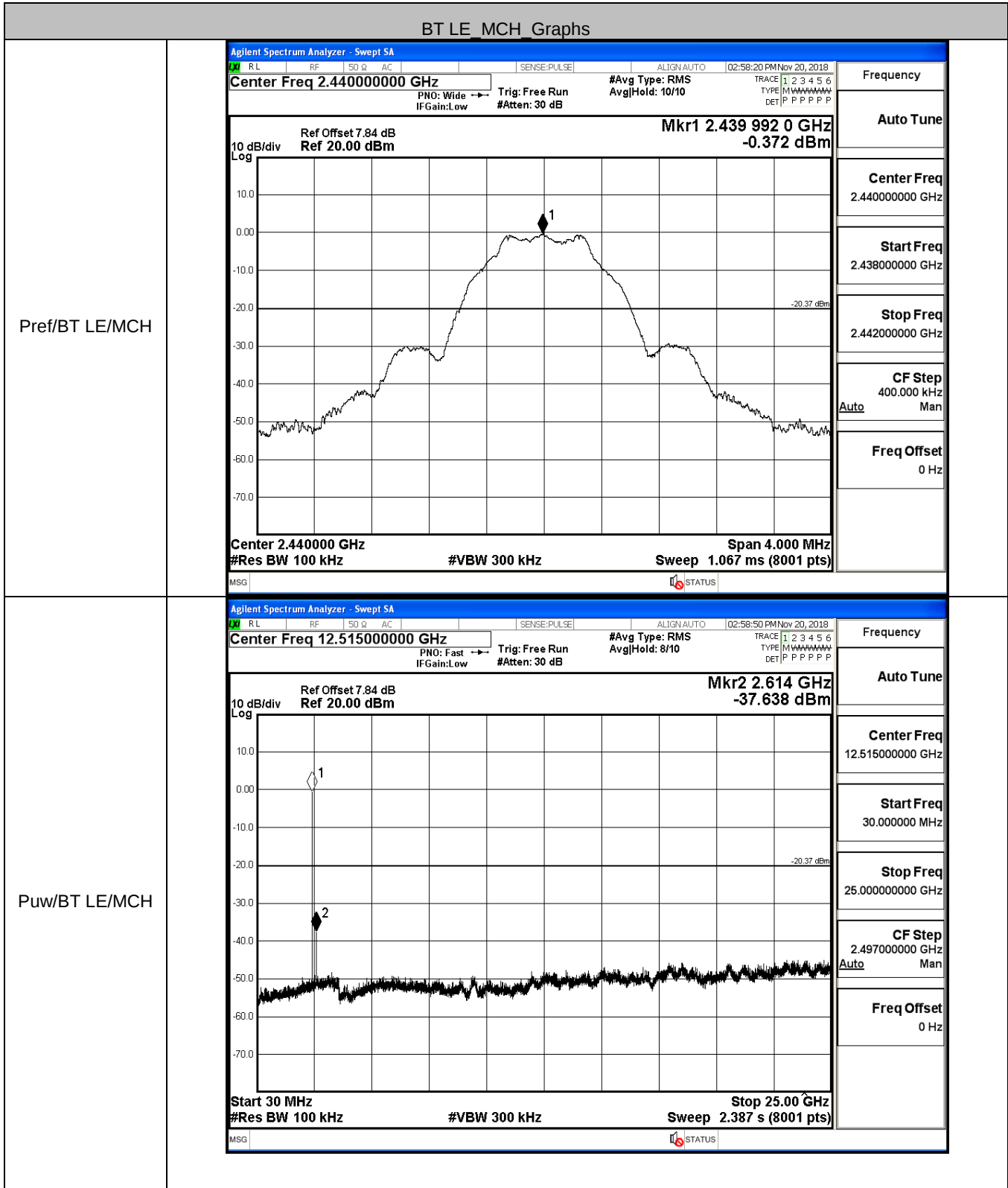
BT LE LCH Graphs

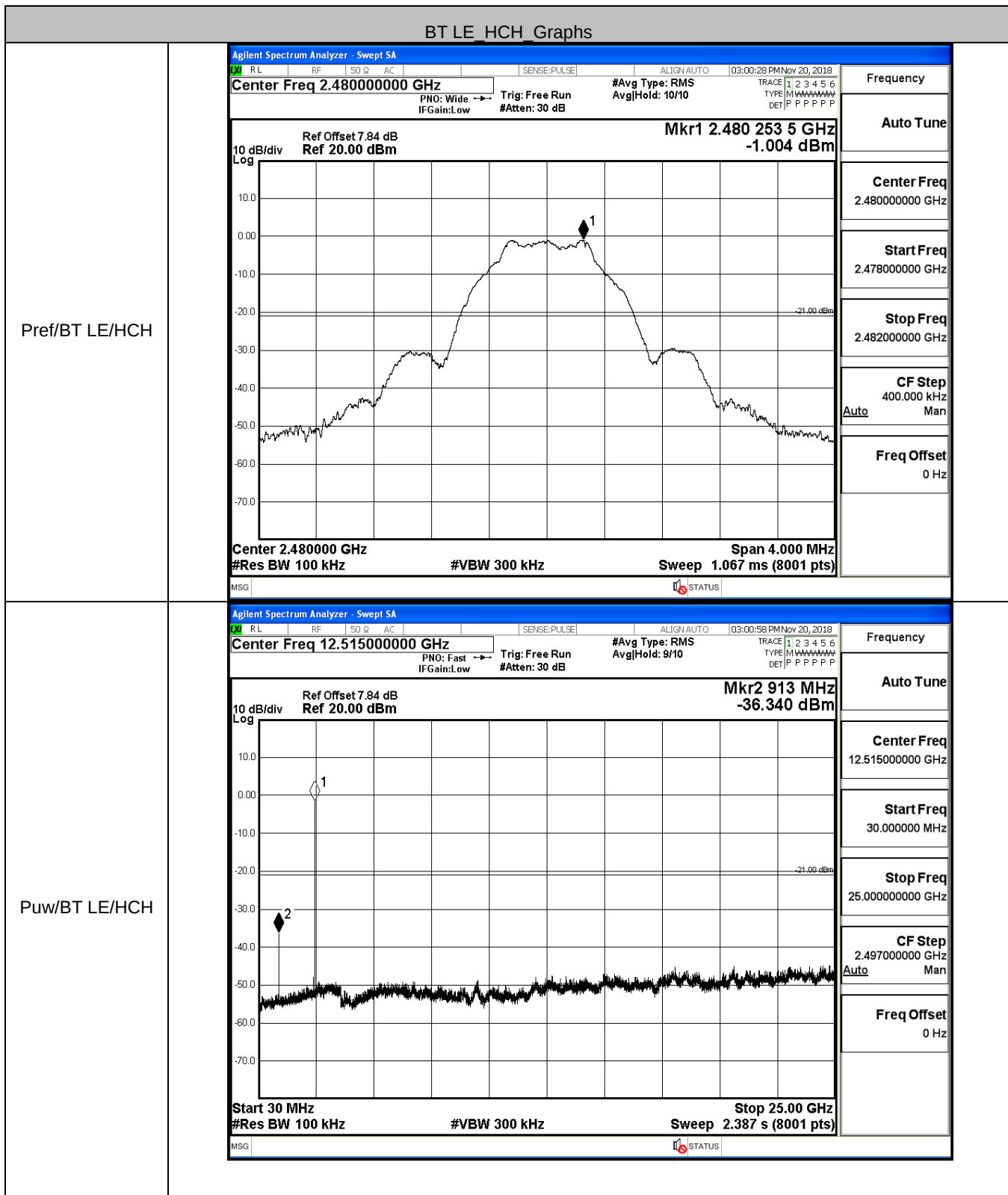
Pref/BT LE/LCH



Puw/BT LE/LCH





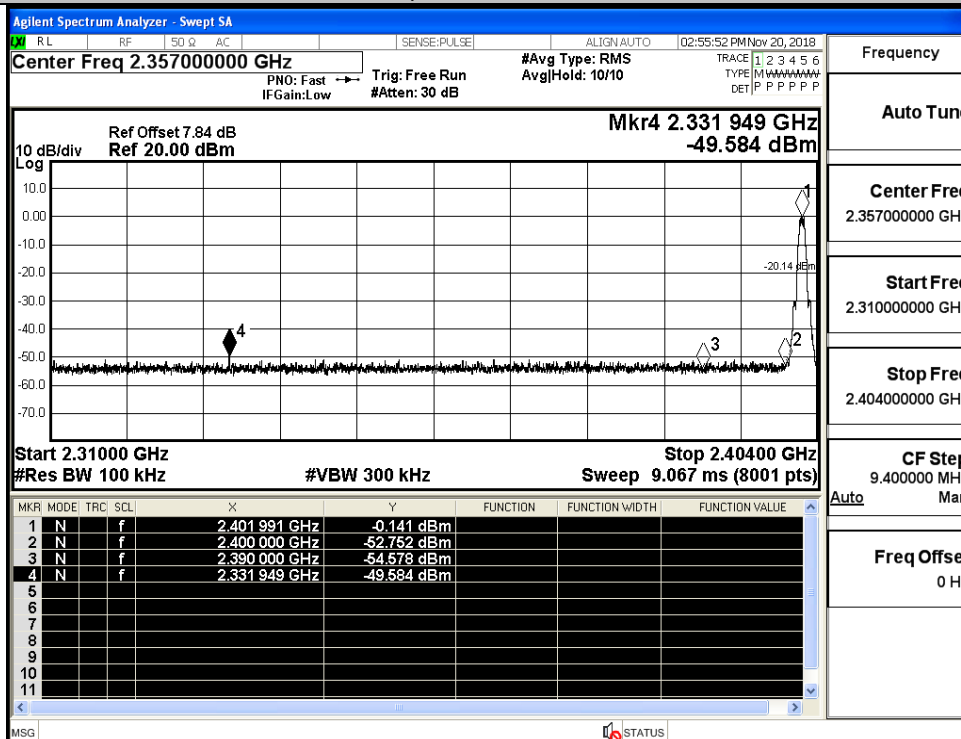


A.6 Band-edge for RF Conducted Emissions

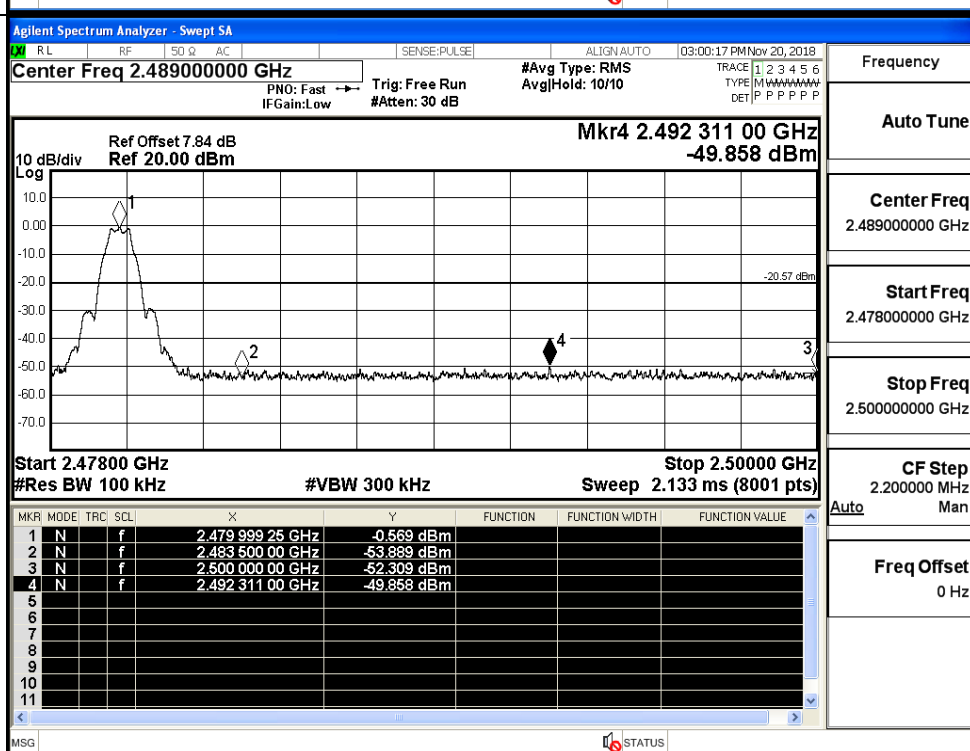
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.141	-49.584	-20.14	PASS
BT LE	HCH	-0.569	-49.858	-20.57	PASS

Test Graphs

LCH



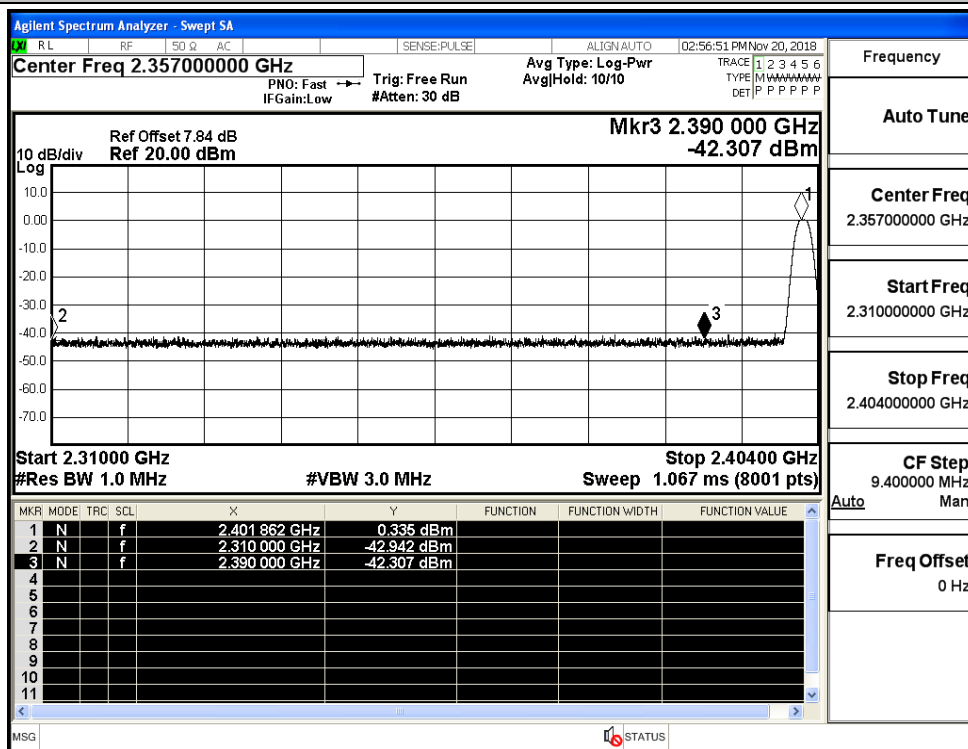
HCH



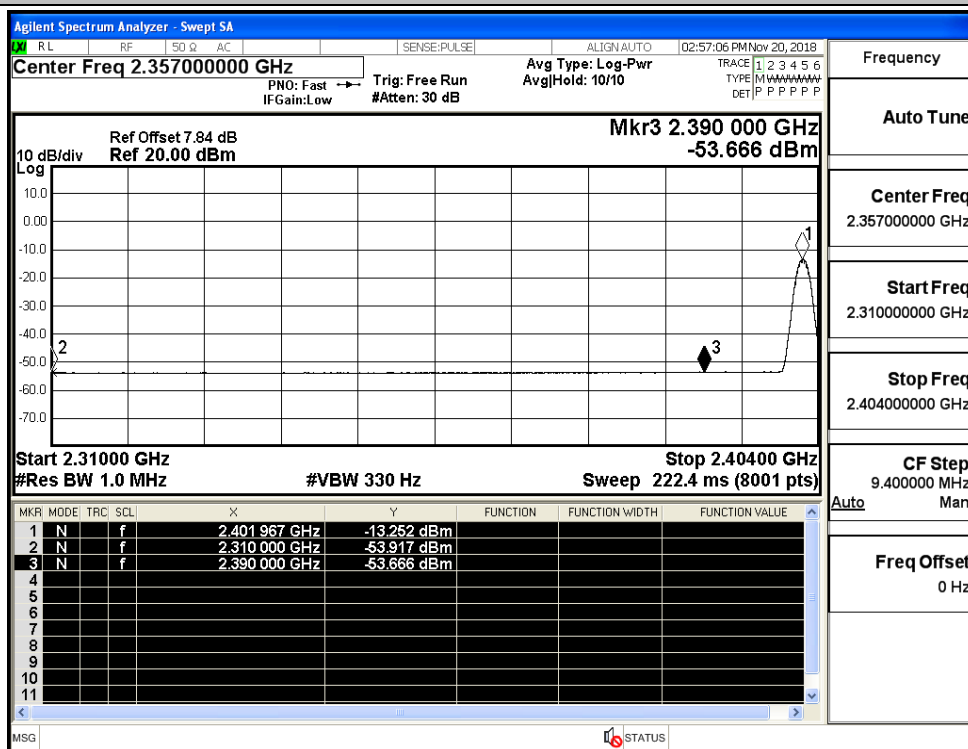
A.7 Restrict-band band-edge measurements

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	-42.94	2.0	0	54.32	PEAK	74	PASS
		Ant1	2310.0	-53.92	2.0	0	43.34	AV	54	PASS
		Ant1	2390.0	-42.31	2.0	0	54.95	PEAK	74	PASS
		Ant1	2390.0	-53.67	2.0	0	43.59	AV	54	PASS
	2480	Ant1	2483.5	-42.92	2.0	0	54.34	PEAK	74	PASS
		Ant1	2483.5	-53.45	2.0	0	43.81	AV	54	PASS
		Ant1	2500.0	-43.76	2.0	0	53.50	PEAK	74	PASS
		Ant1	2500.0	-53.22	2.0	0	44.04	AV	54	PASS

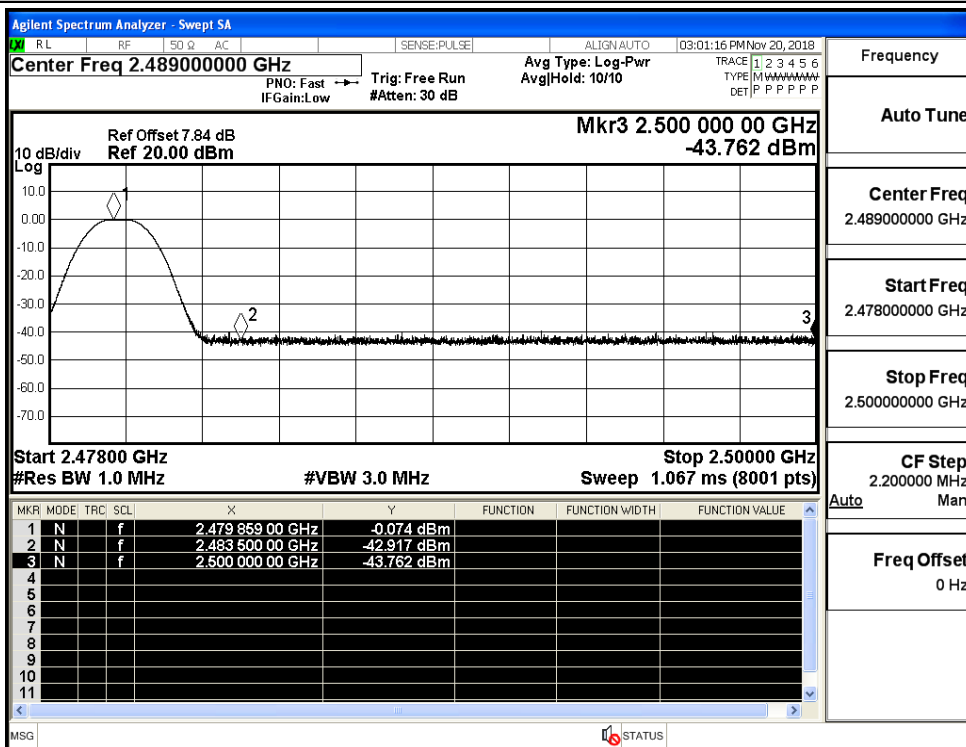
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

