

Appendix B

RF Test Data for BT V4.0 (BLE) (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: Acer

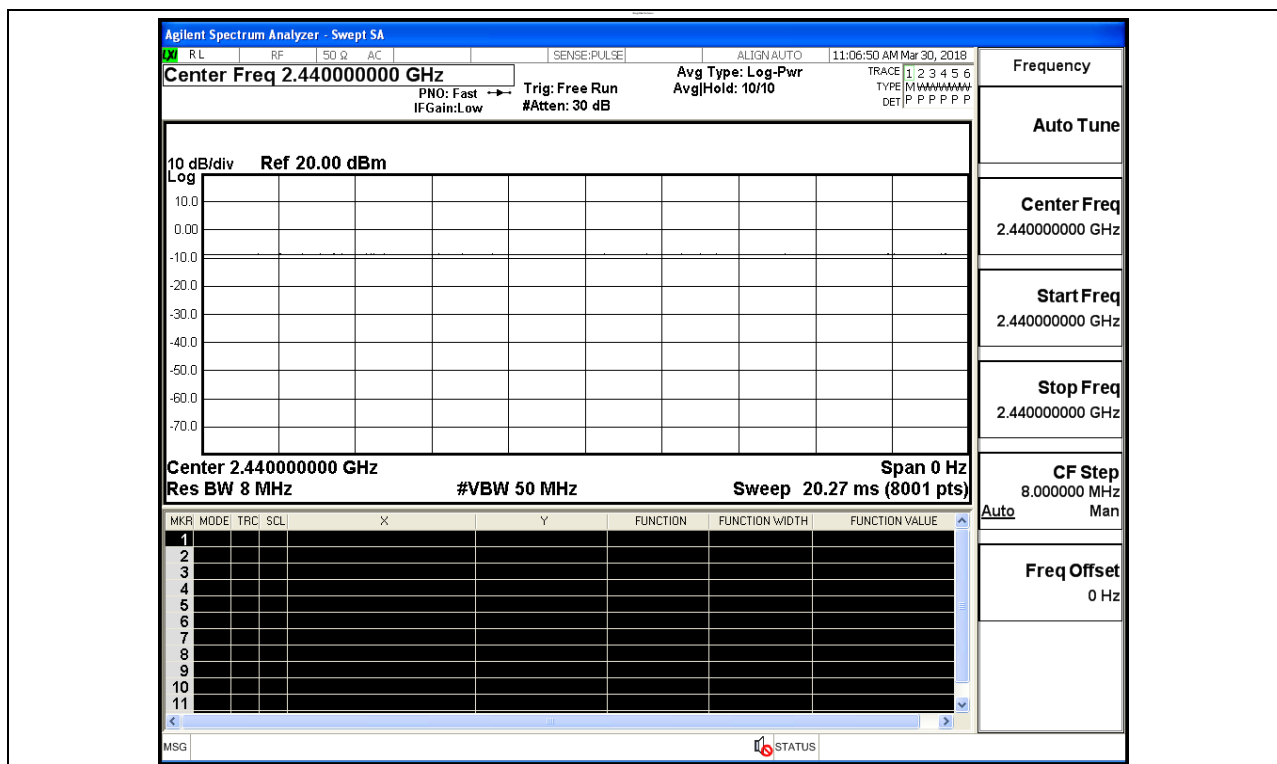
Test Model: Acer One 7 4G

Environmental Conditions

Temperature:	22.3 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	WILSON HONG
Supervised by:	Dick.Su

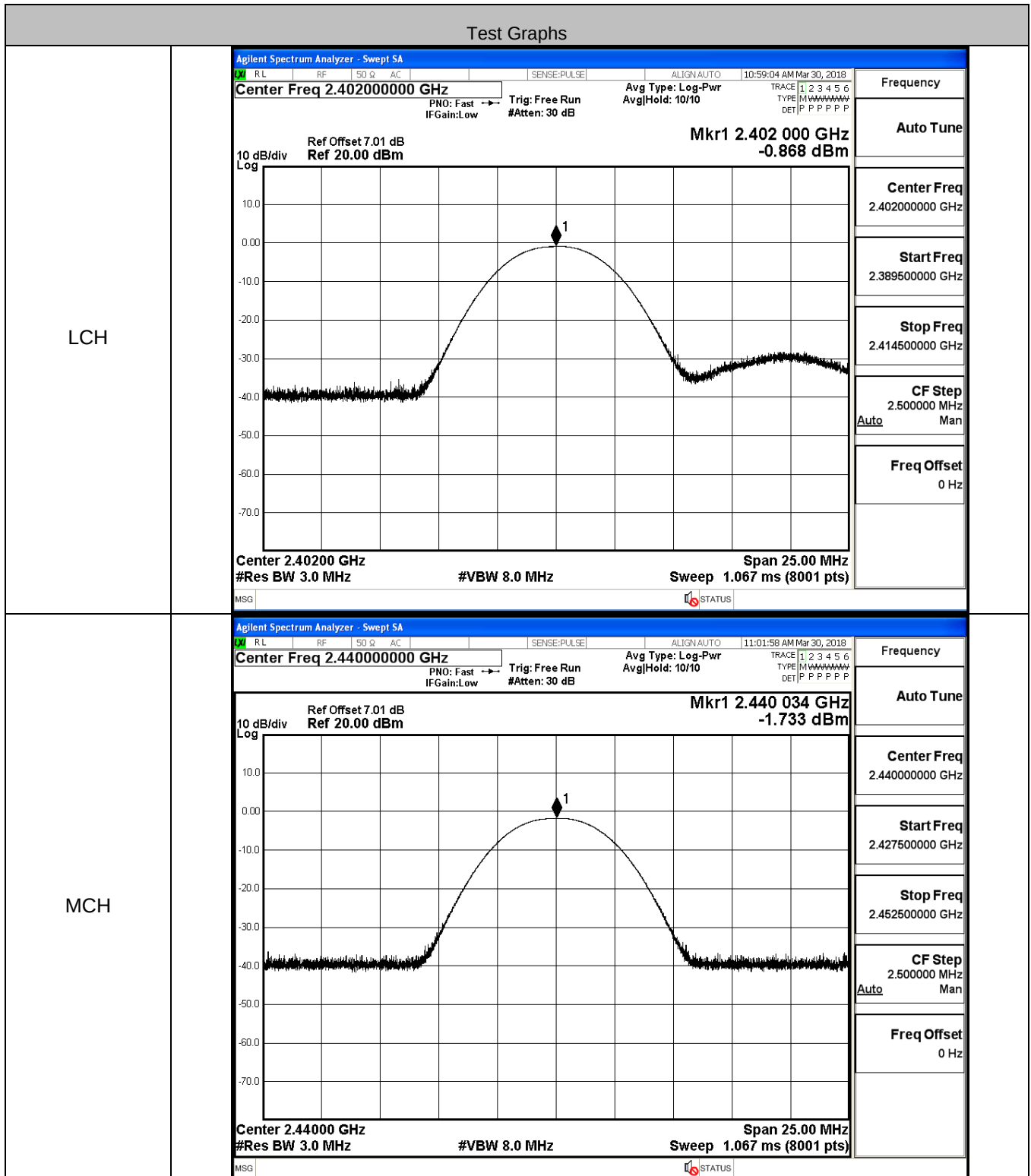
B.1 Duty Cycle

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

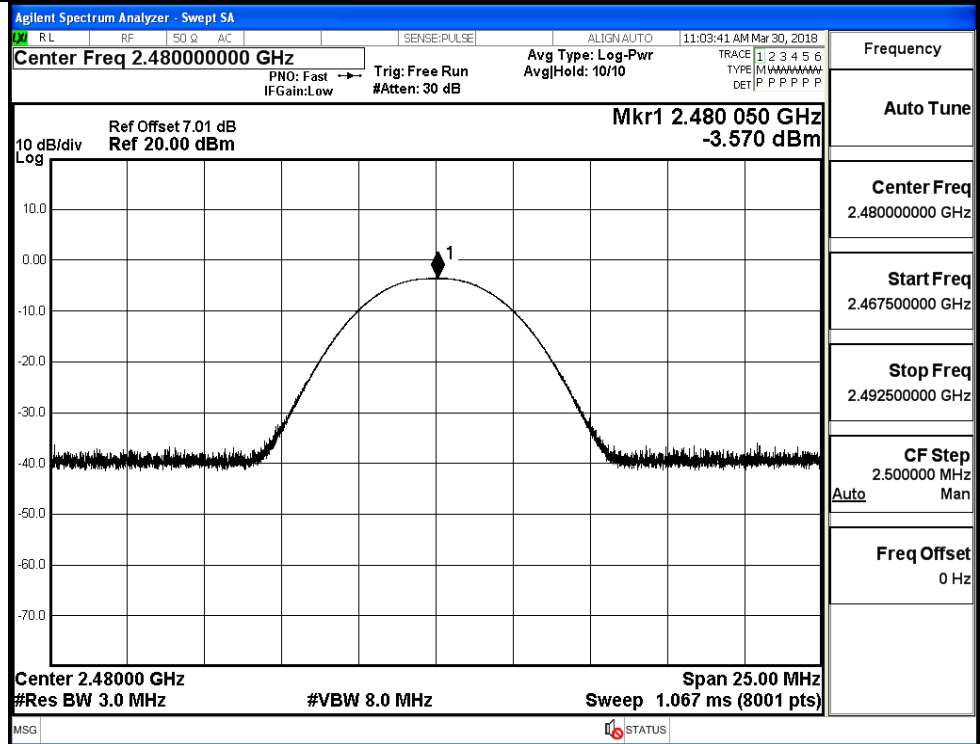


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.868	30	PASS
BT LE	MCH	-1.733	30	PASS
BT LE	HCH	-3.570	30	PASS



HCH

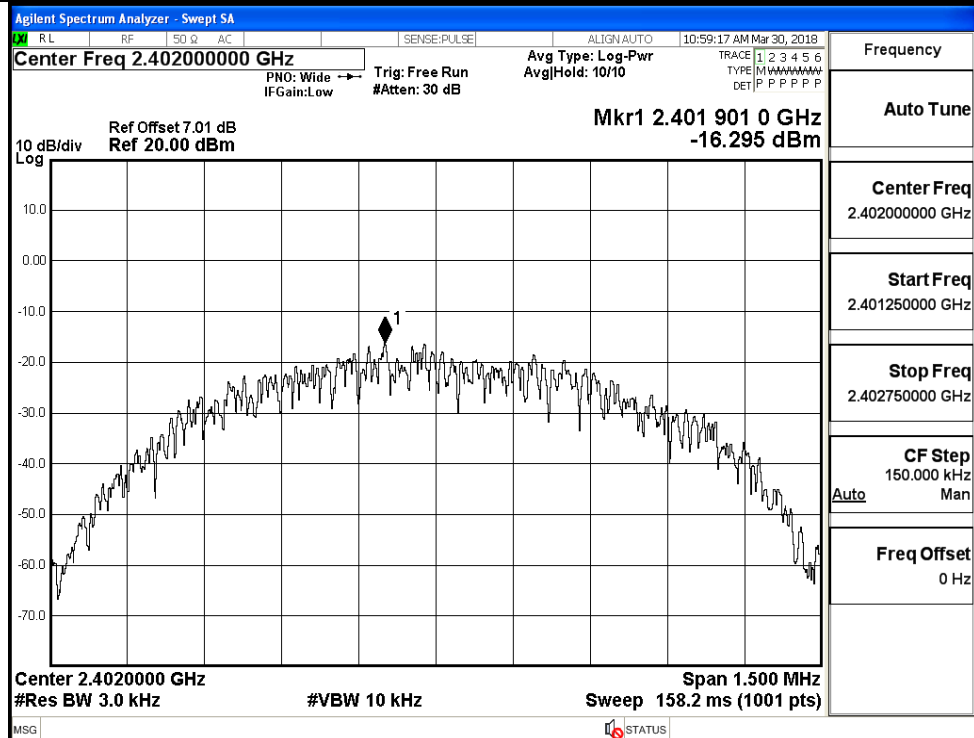


B.3 Maximum Power Spectral Density

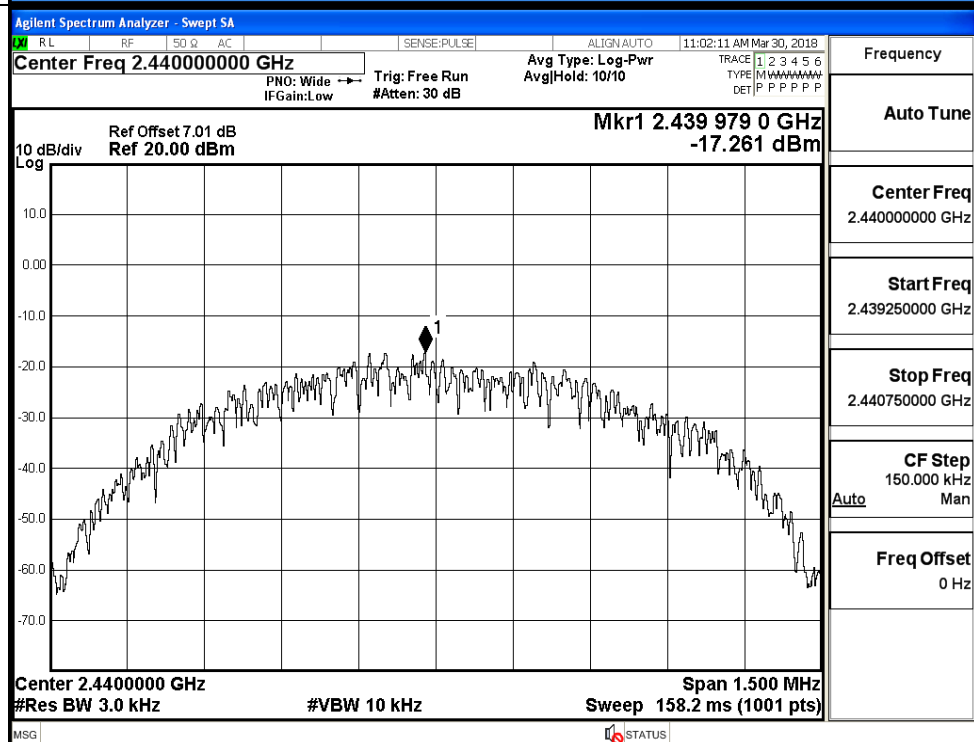
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.295	8	PASS
BT LE	MCH	-17.261	8	PASS
BT LE	HCH	-19.082	8	PASS

Test Graphs

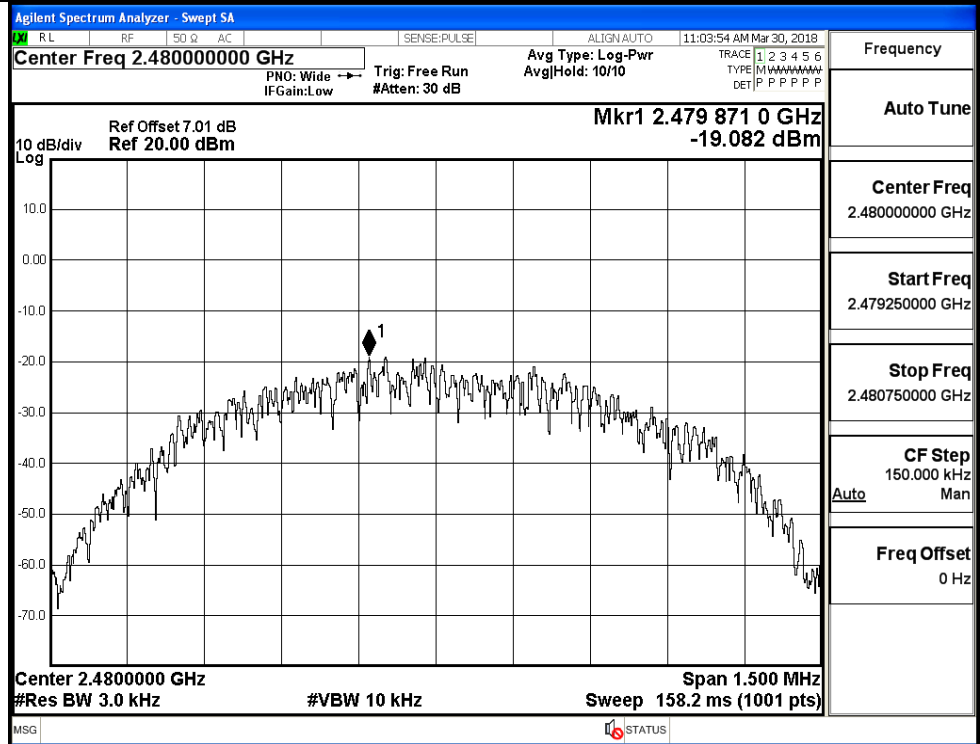
LCH



MCH



HCH

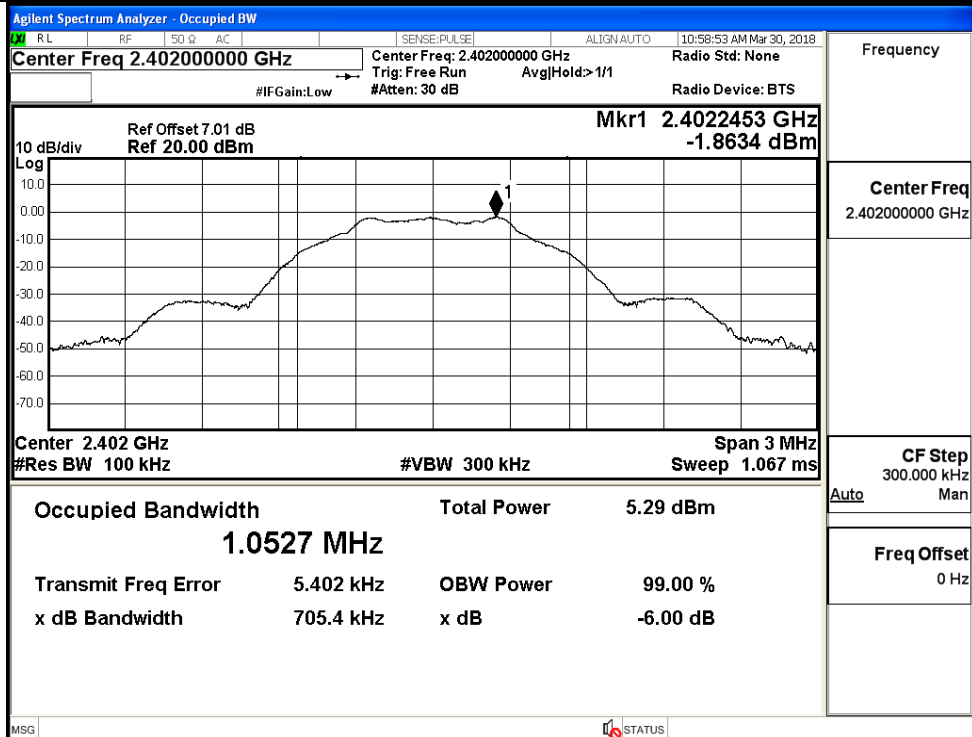


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7054	≥ 0.5	PASS
BT LE	MCH	0.7116	≥ 0.5	PASS
BT LE	HCH	0.7058	≥ 0.5	PASS

Test Graphs

LCH



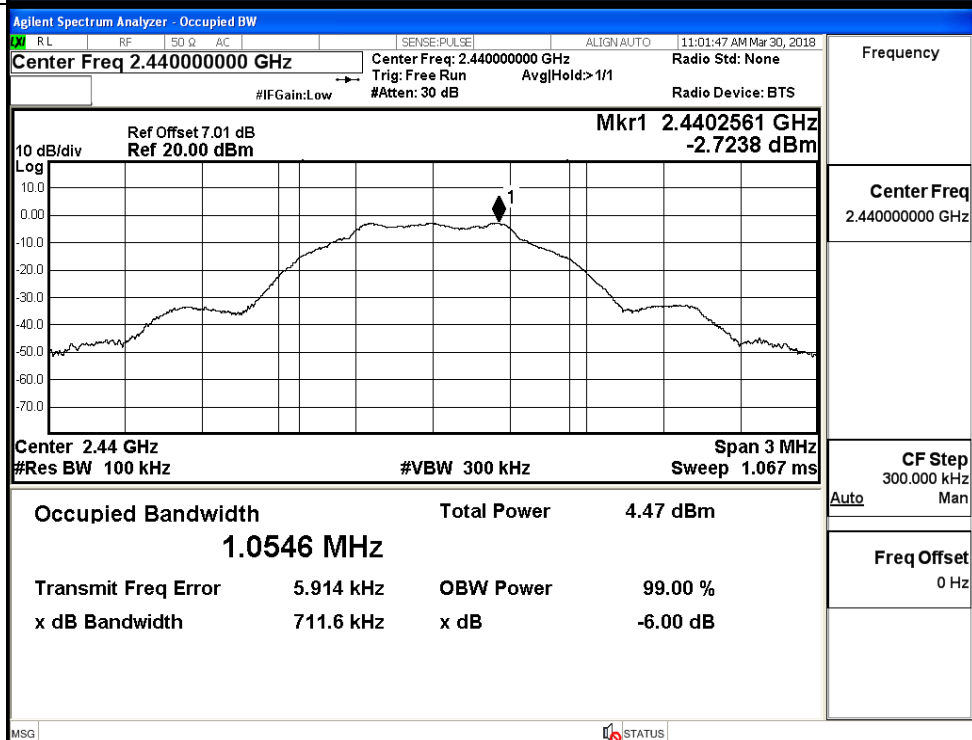
Frequency

Center Freq
2.402000000 GHz

CF Step
300.000 kHz
Auto Man

Freq Offset
0 Hz

MCH



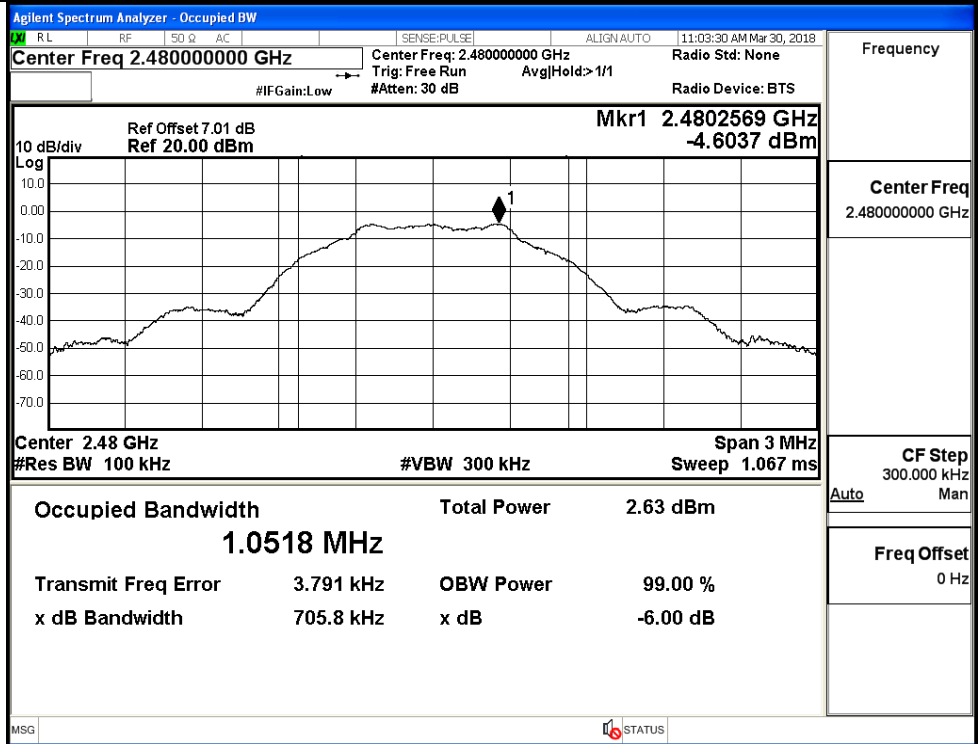
Frequency

Center Freq
2.440000000 GHz

CF Step
300.000 kHz
Auto Man

Freq Offset
0 Hz

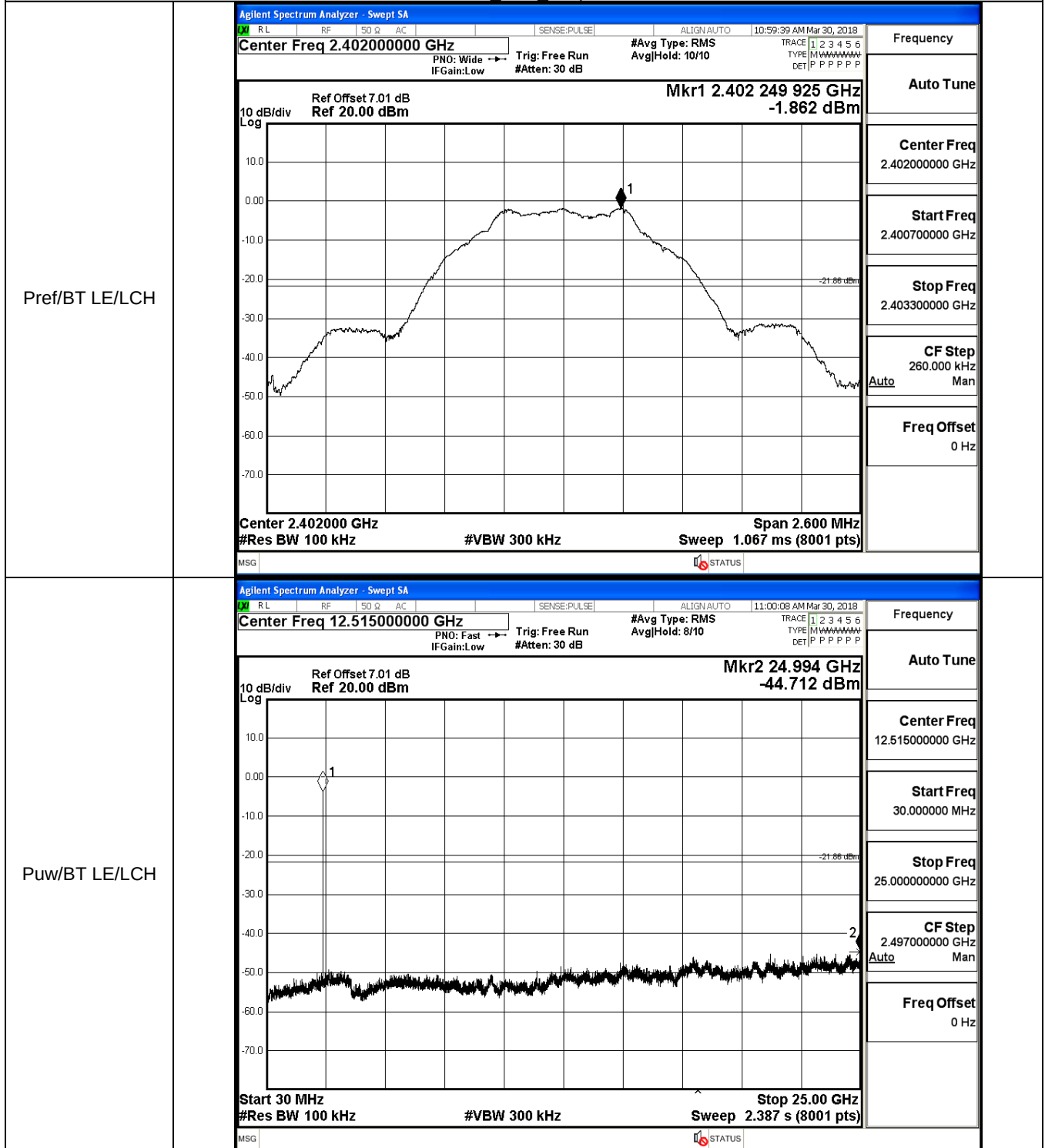
HCH



B.5 RF Conducted Spurious Emissions

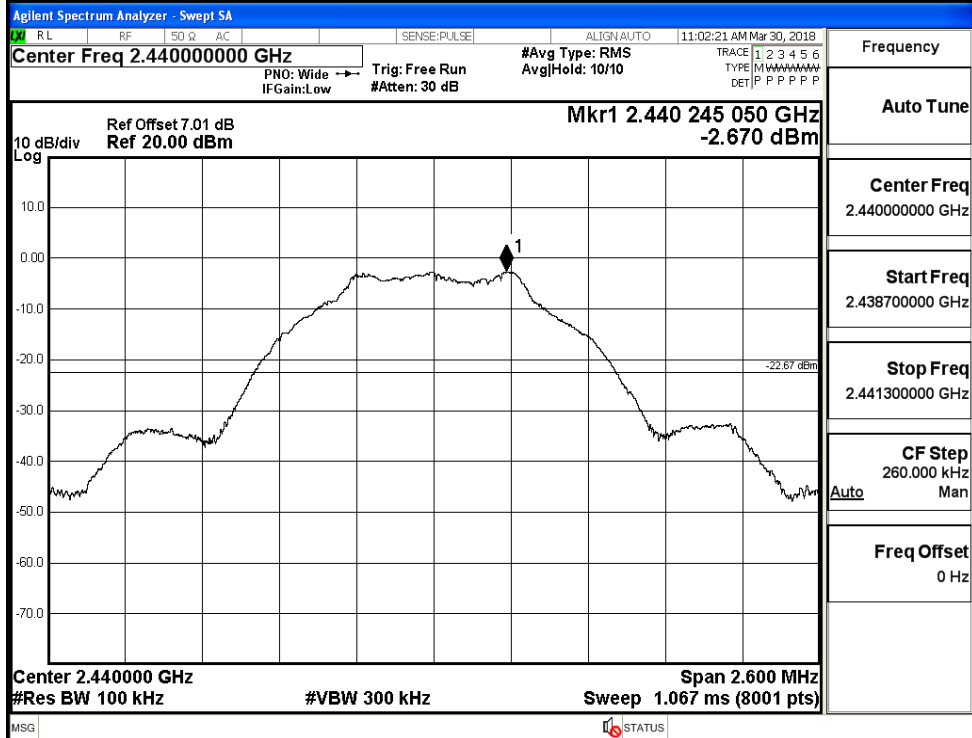
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.862	-44.712	-21.862	PASS
BT LE	MCH	-2.67	-45.254	-22.670	PASS
BT LE	HCH	-4.558	-44.265	-24.558	PASS

BT LE LCH Graphs

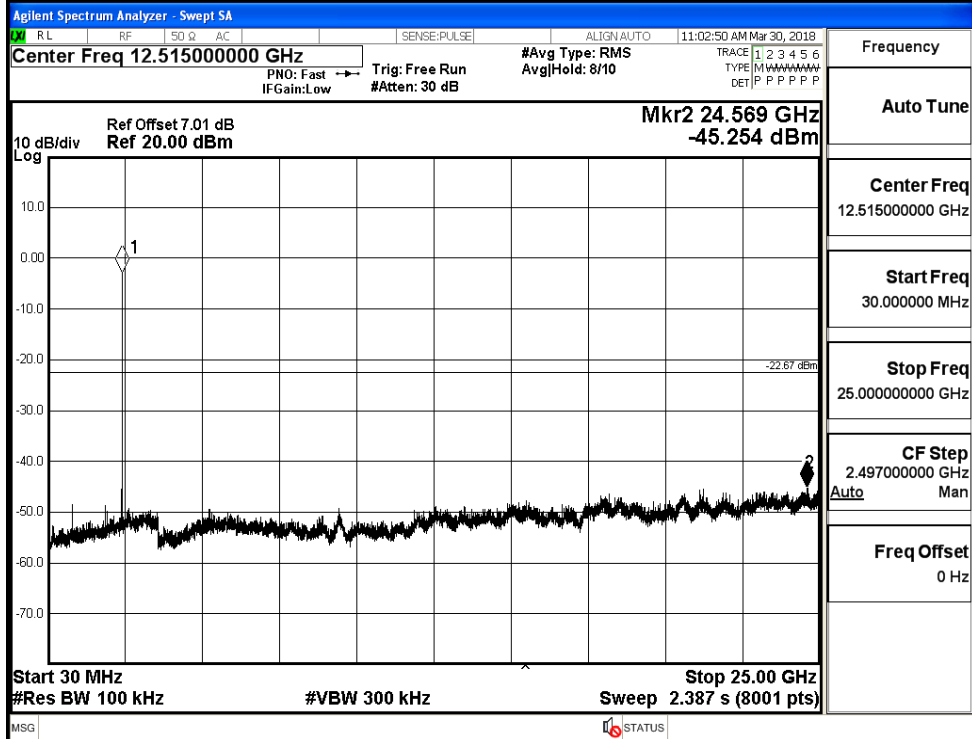


BT LE MCH Graphs

Pref/BT LE/MCH

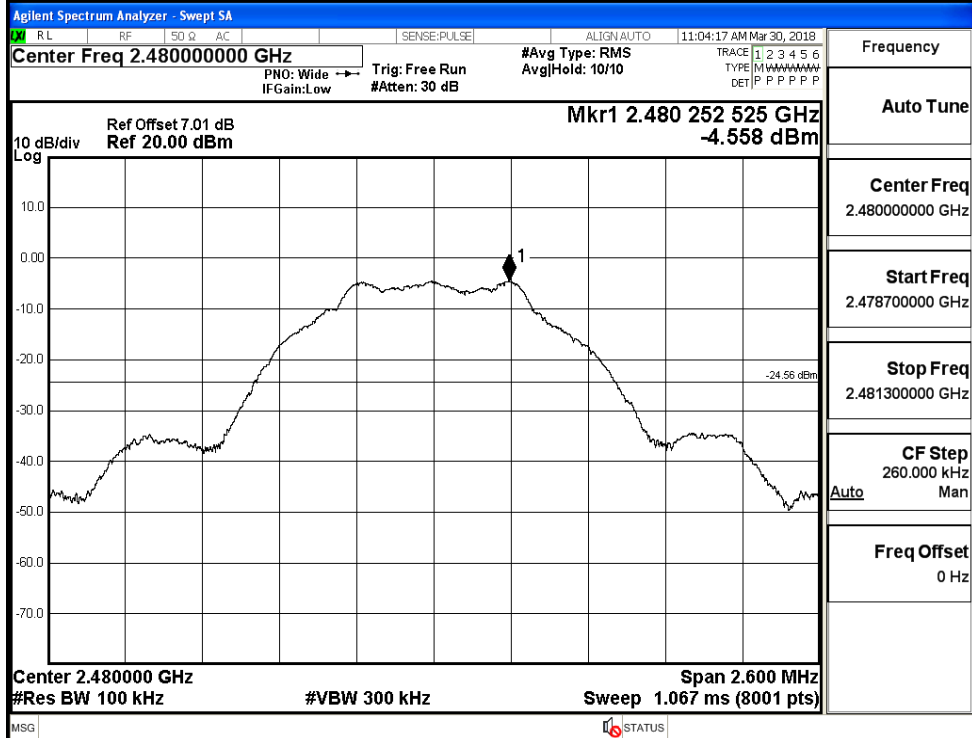


Puw/BT LE/MCH

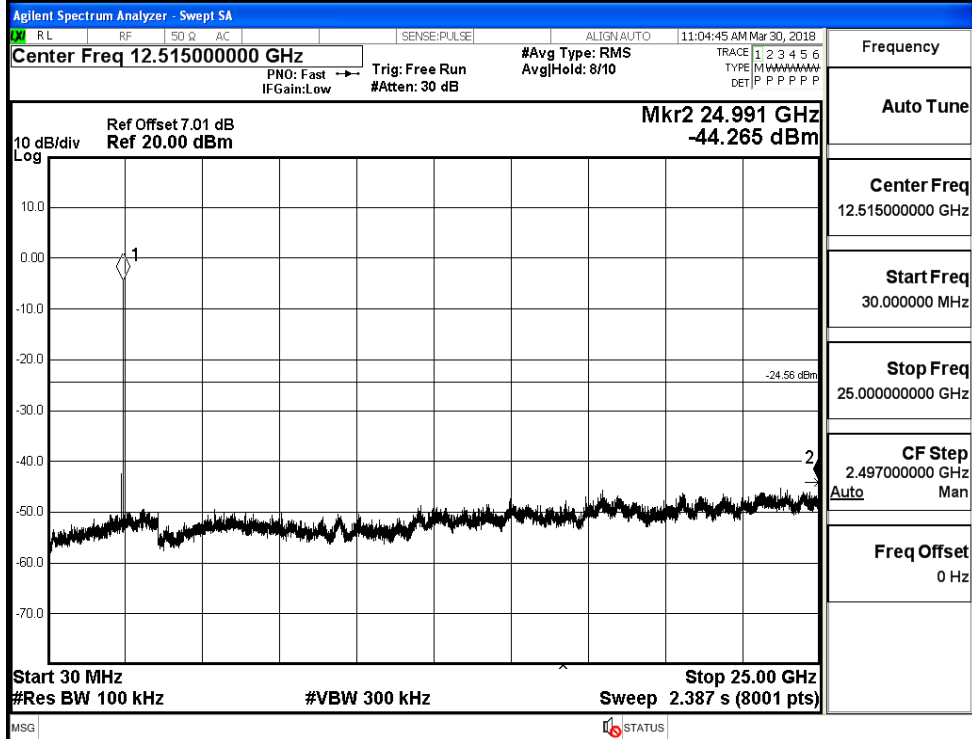


BT LE HCH Graphs

Pref/BT LE/HCH



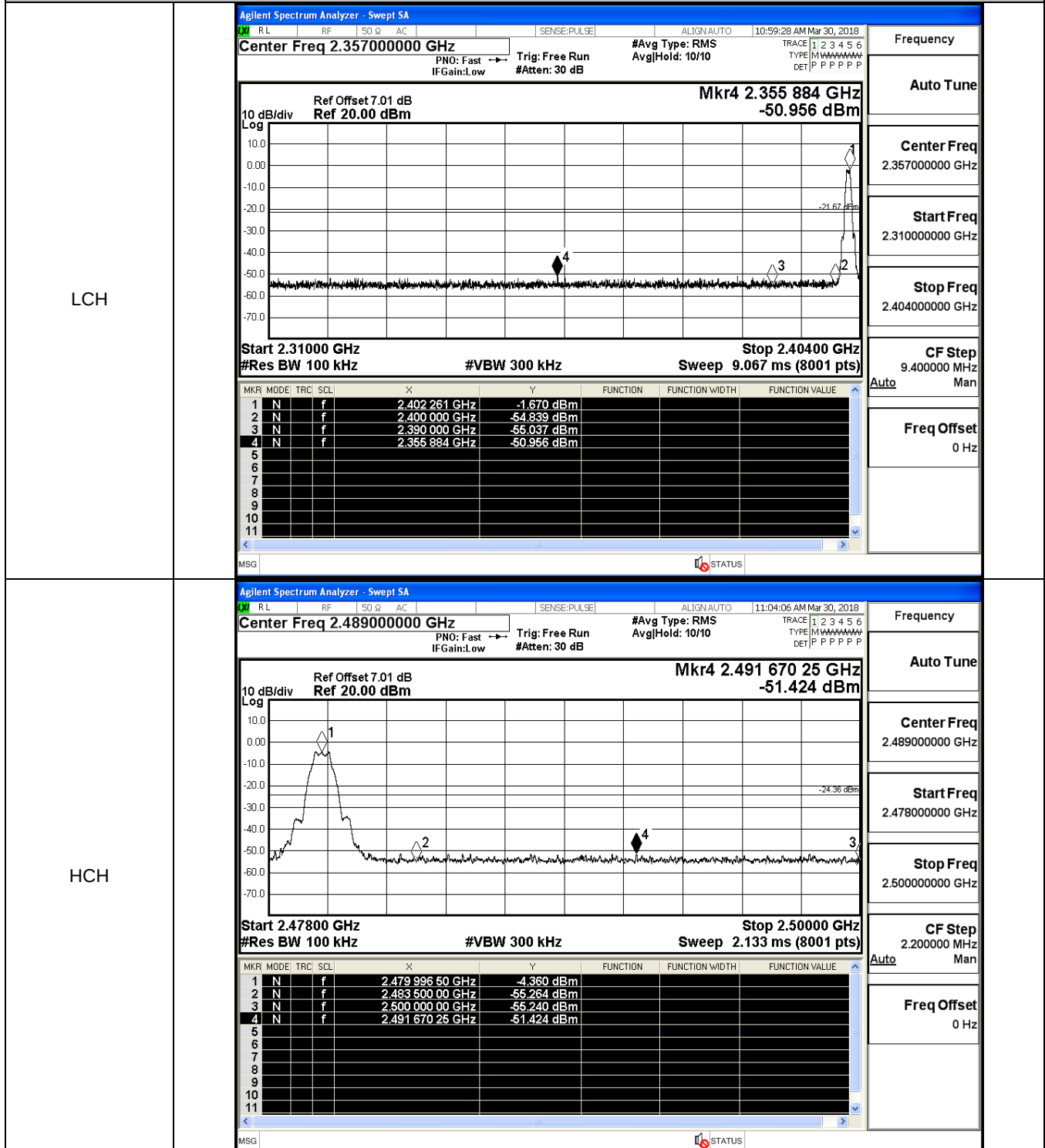
Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.670	-50.956	-21.67	PASS
BT LE	HCH	-4.360	-51.424	-24.36	PASS

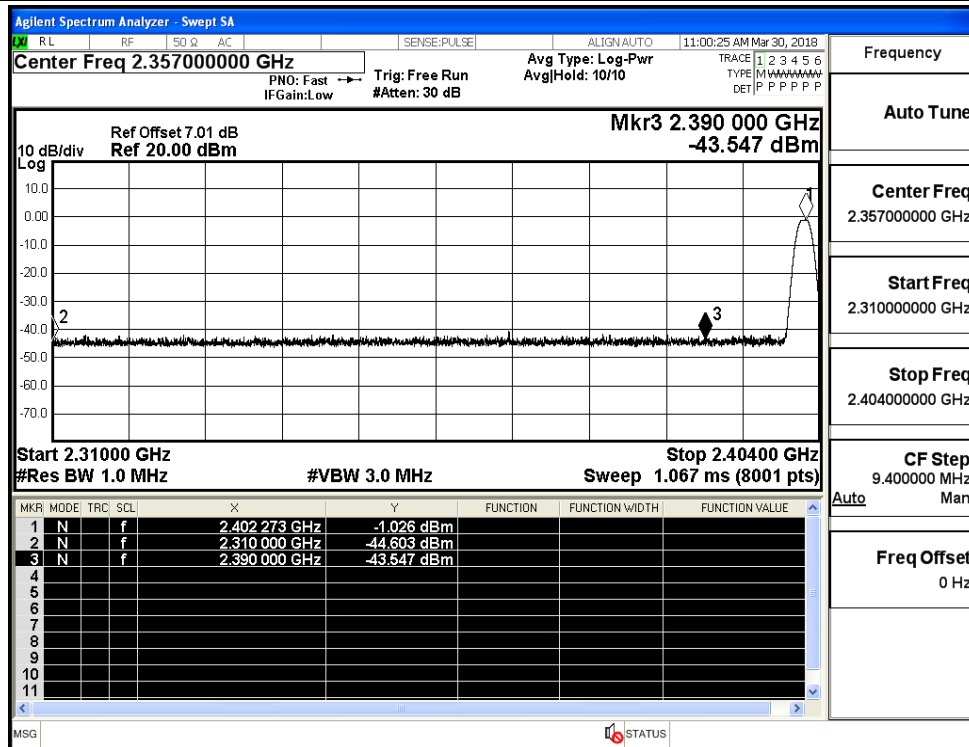
Test Graphs



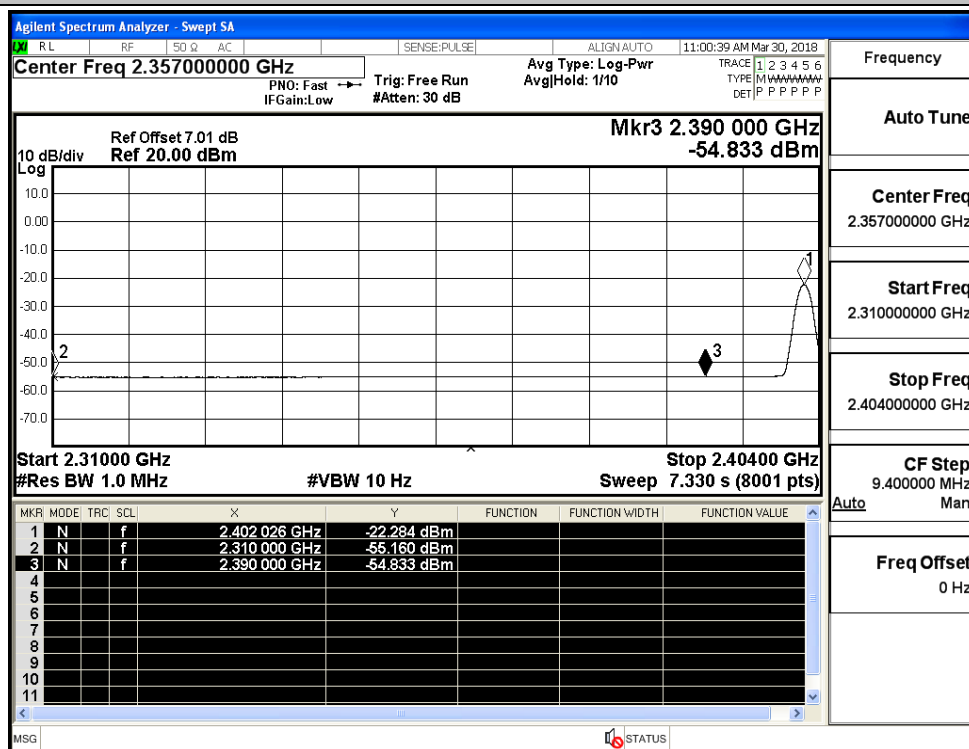
B.7 Restrict-band band-edge measurements

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	-44.60	2.0	0	52.60	PEAK	74	PASS
		Ant1	2310.0	-55.16	2.0	0	42.04	AV	54	PASS
		Ant1	2390.0	-43.55	2.0	0	53.65	PEAK	74	PASS
		Ant1	2390.0	-54.83	2.0	0	42.37	AV	54	PASS
	2480	Ant1	2483.5	-43.81	2.0	0	53.39	PEAK	74	PASS
		Ant1	2483.5	-54.67	2.0	0	42.53	AV	54	PASS
		Ant1	2500.0	-44.14	2.0	0	53.06	PEAK	74	PASS
		Ant1	2500.0	-54.57	2.0	0	42.63	AV	54	PASS

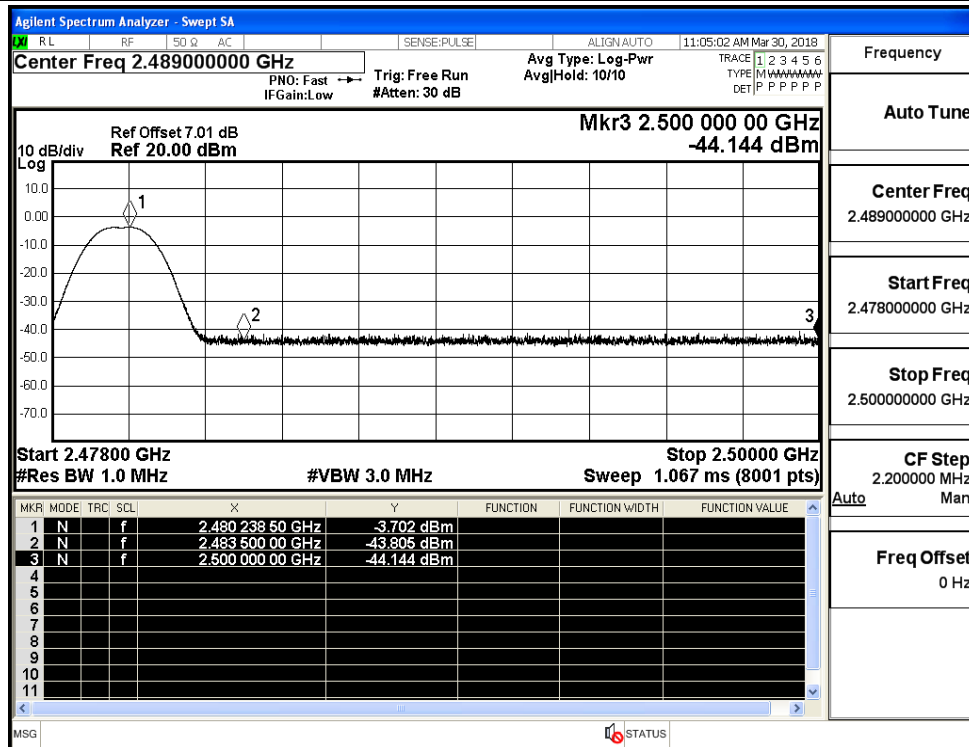
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

