

Appendix A

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

Product Name: Hycore All in one Wheel

Trade Mark: N/A

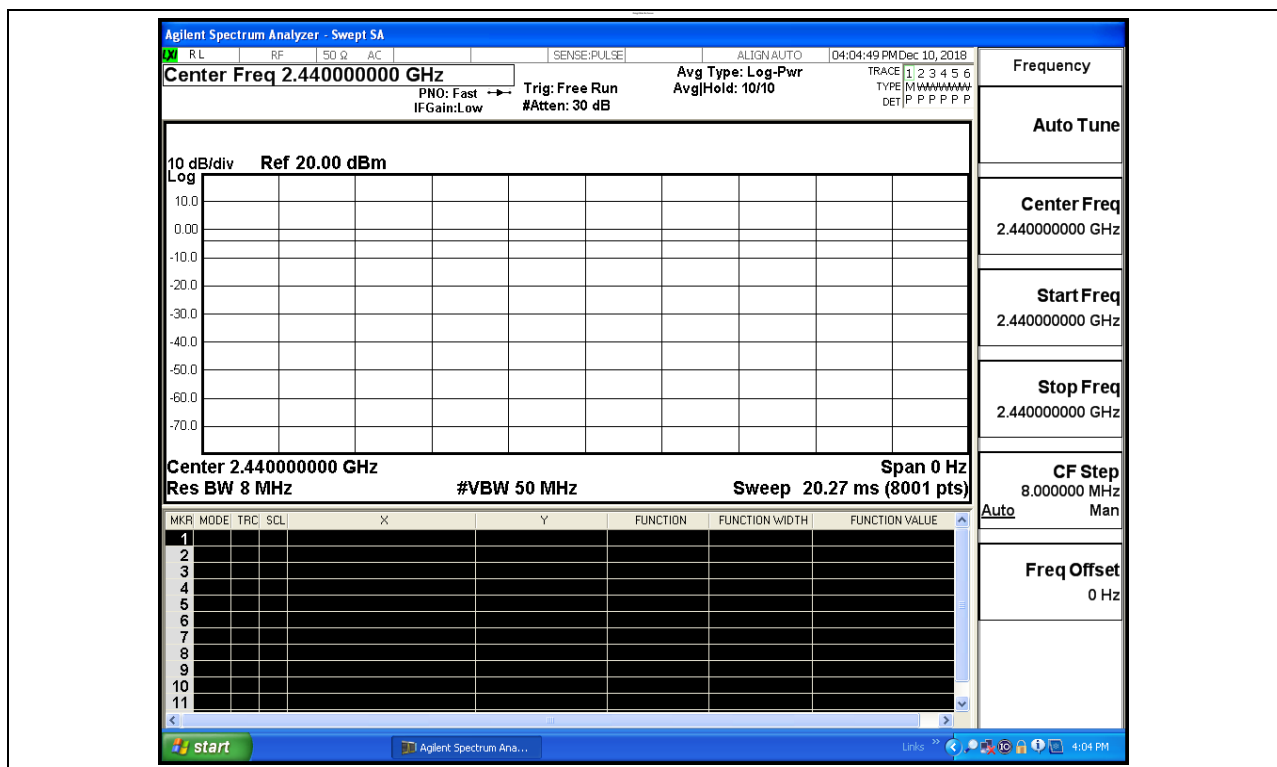
Test Model: Hycore T1

Environmental Conditions

Temperature:	24.6 ° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	WANGCHUANG
Supervised by:	Jayden.Zhuo

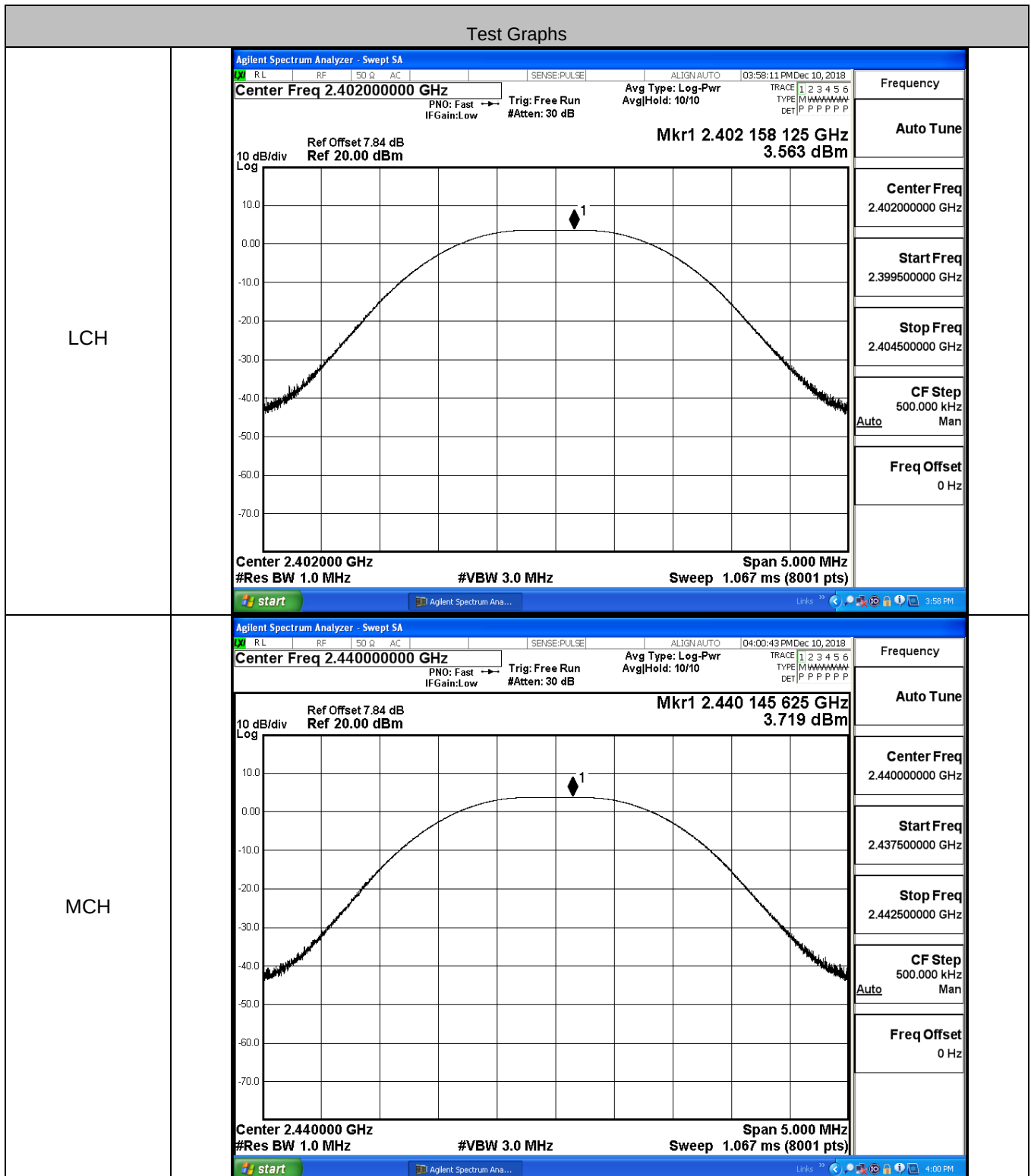
A.1 Duty Cycle

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

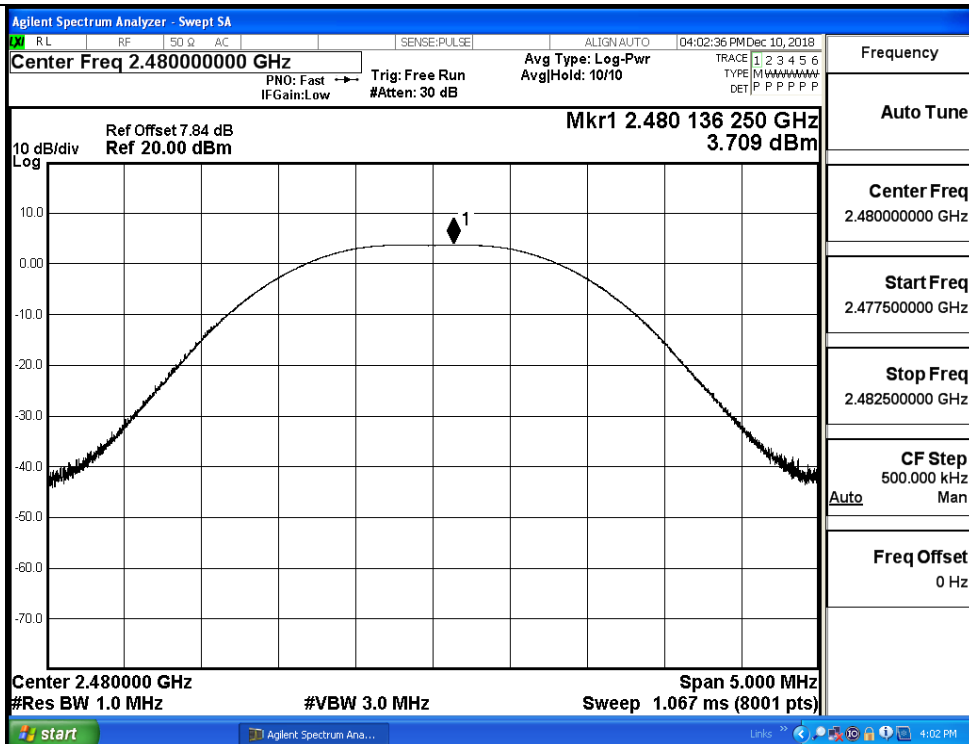


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.563	30	PASS
BT LE	MCH	3.719	30	PASS
BT LE	HCH	3.709	30	PASS

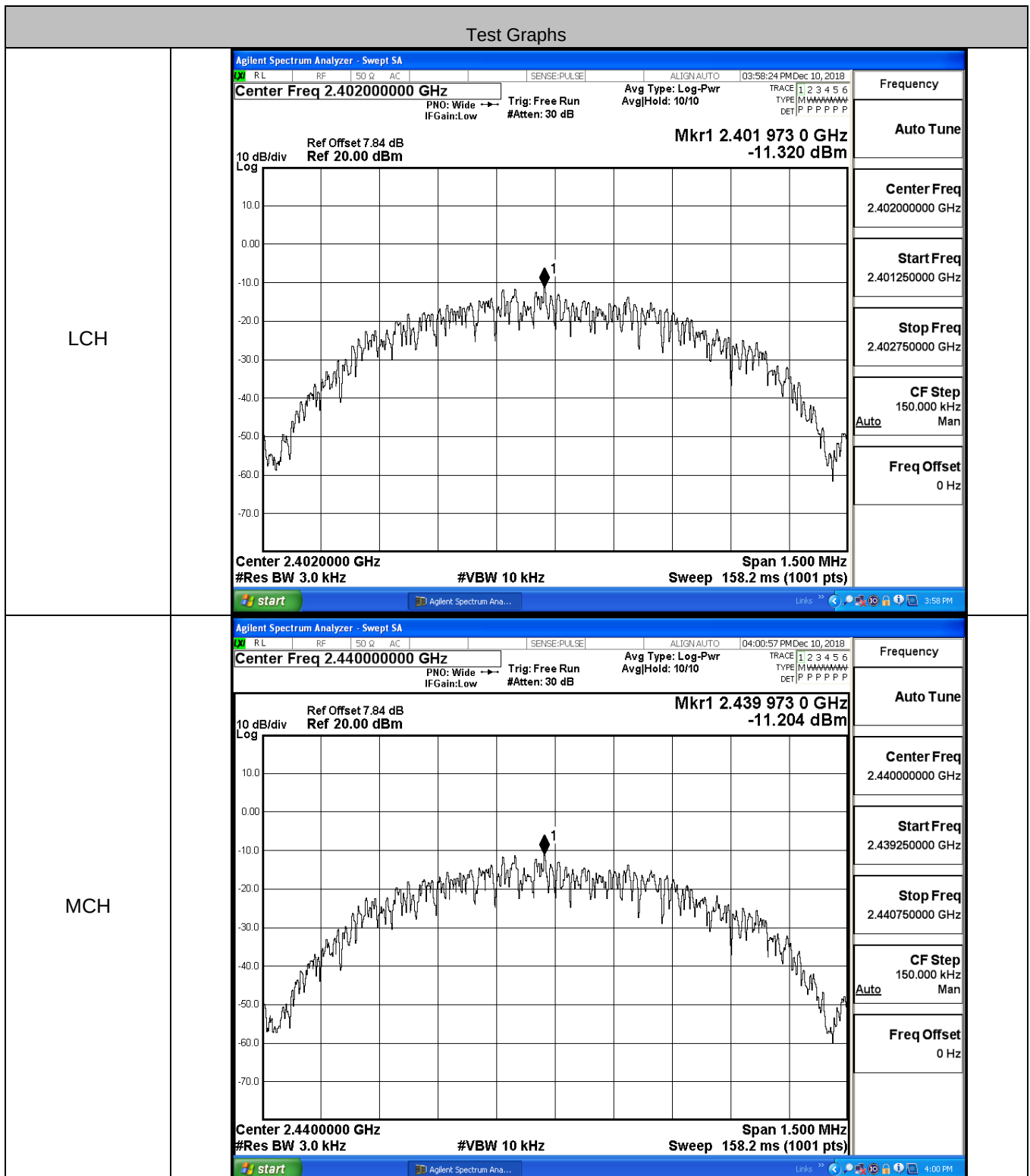


HCH



A.3 Maximum Power Spectral Density

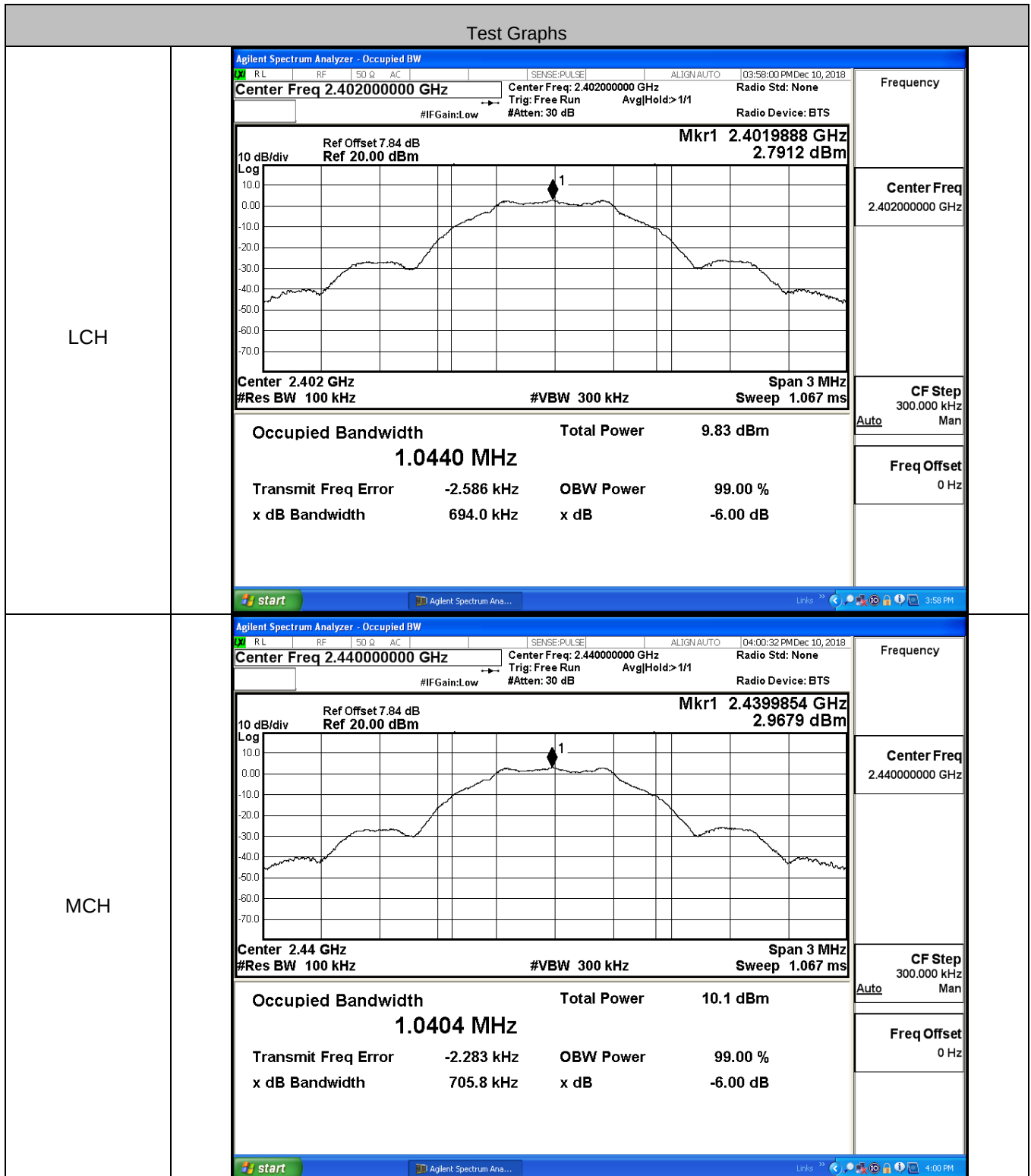
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.320	8	PASS
BT LE	MCH	-11.204	8	PASS
BT LE	HCH	-11.255	8	PASS



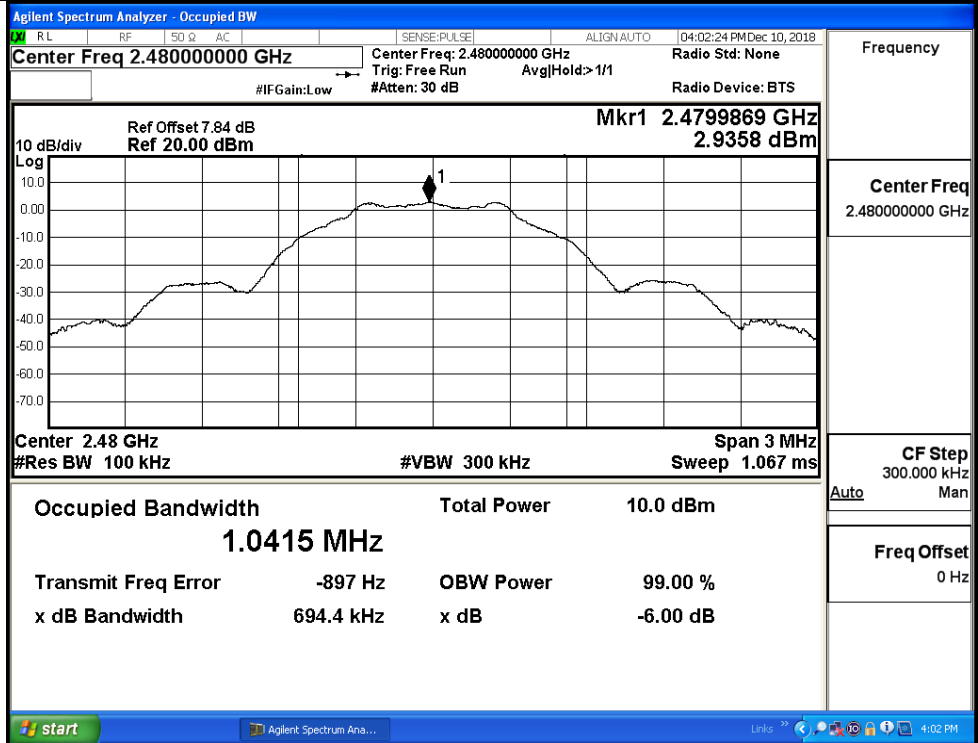


A.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6940	≥ 0.5	PASS
BT LE	MCH	0.7058	≥ 0.5	PASS
BT LE	HCH	0.6944	≥ 0.5	PASS

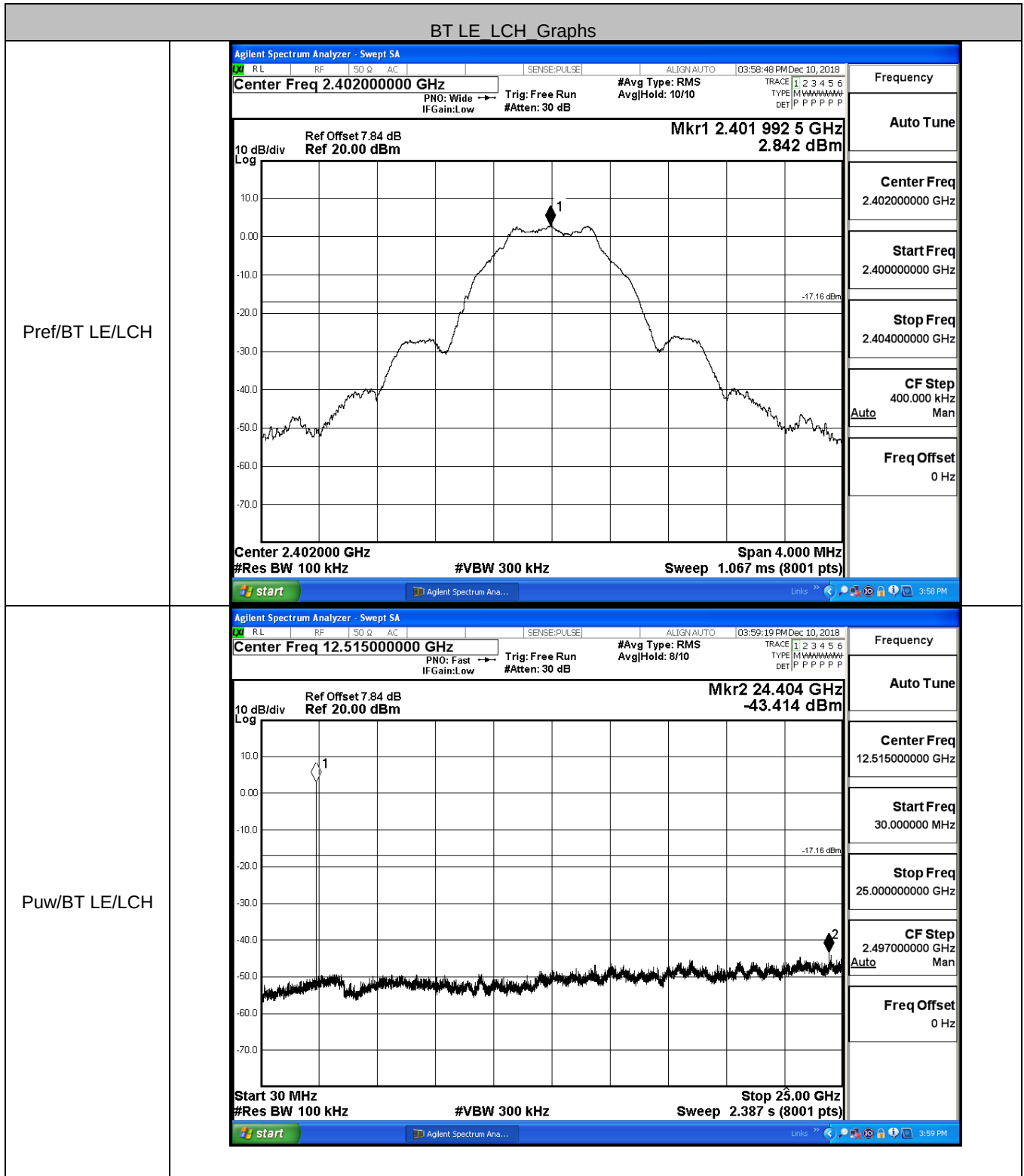


HCH



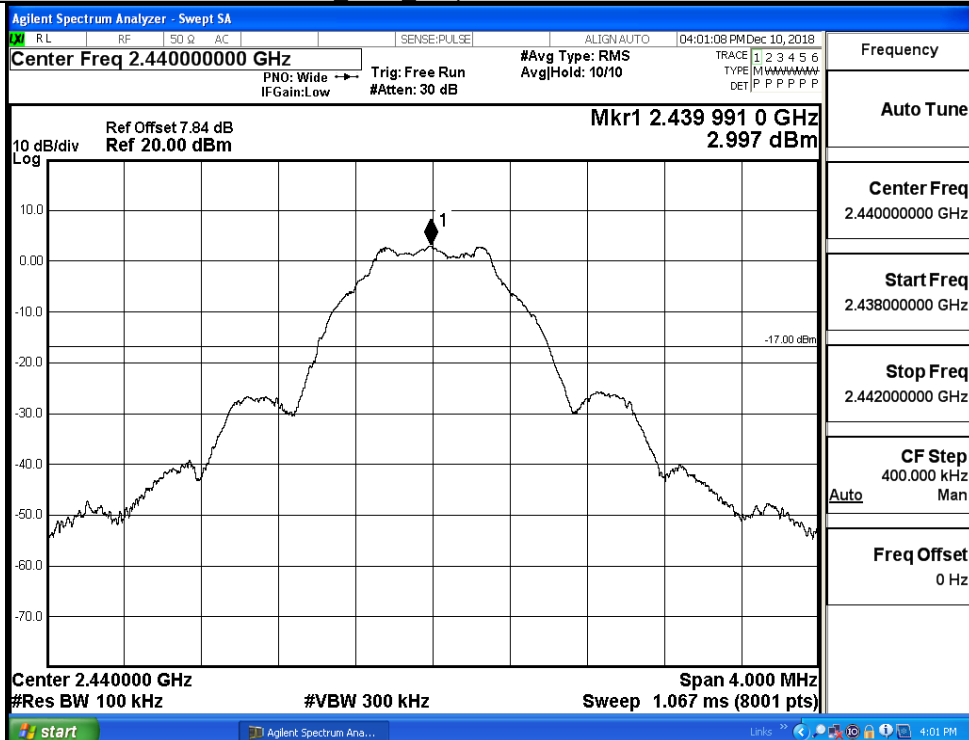
A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.842	-43.414	-17.158	PASS
BT LE	MCH	2.997	-44.757	-17.003	PASS
BT LE	HCH	2.94	-44.960	-17.060	PASS

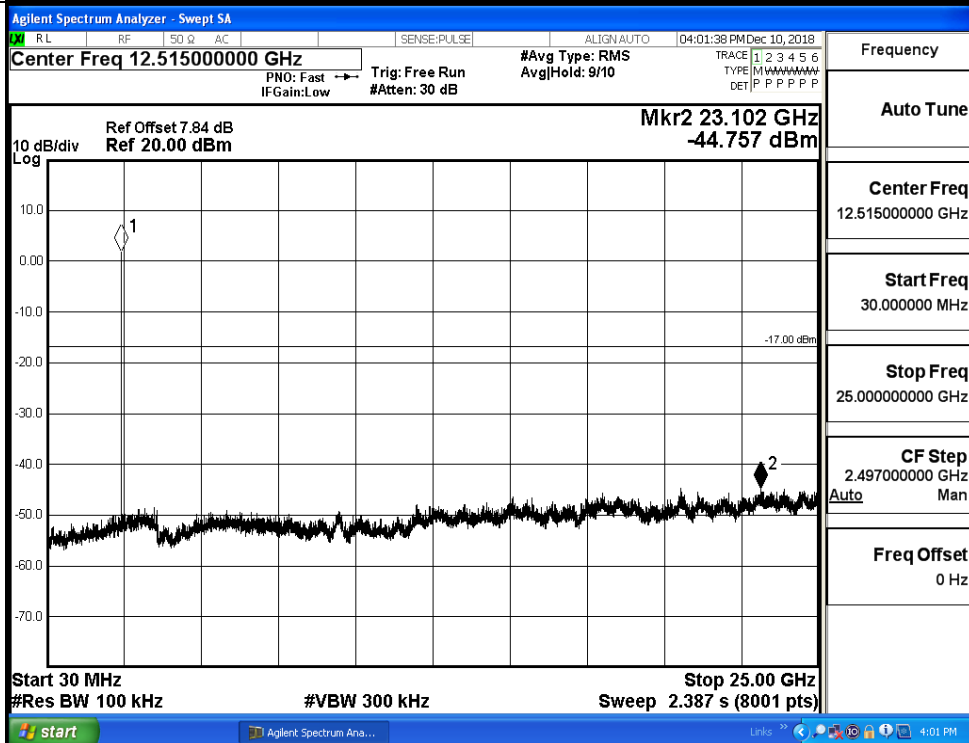


BT LE MCH Graphs

Pref/BT LE/MCH

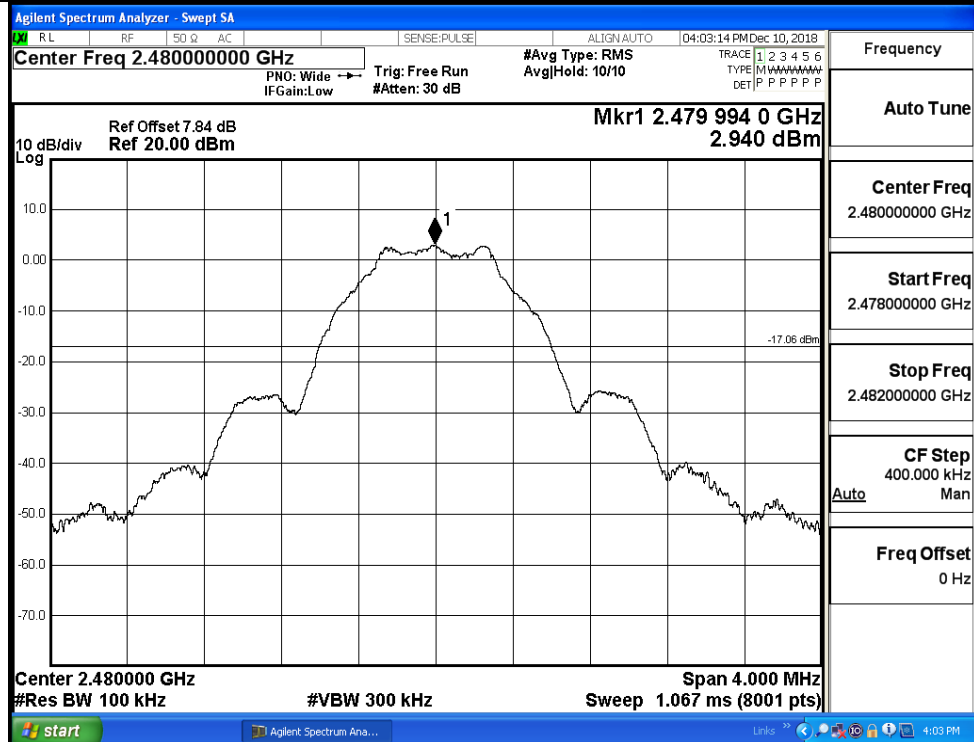


Puw/BT LE/MCH

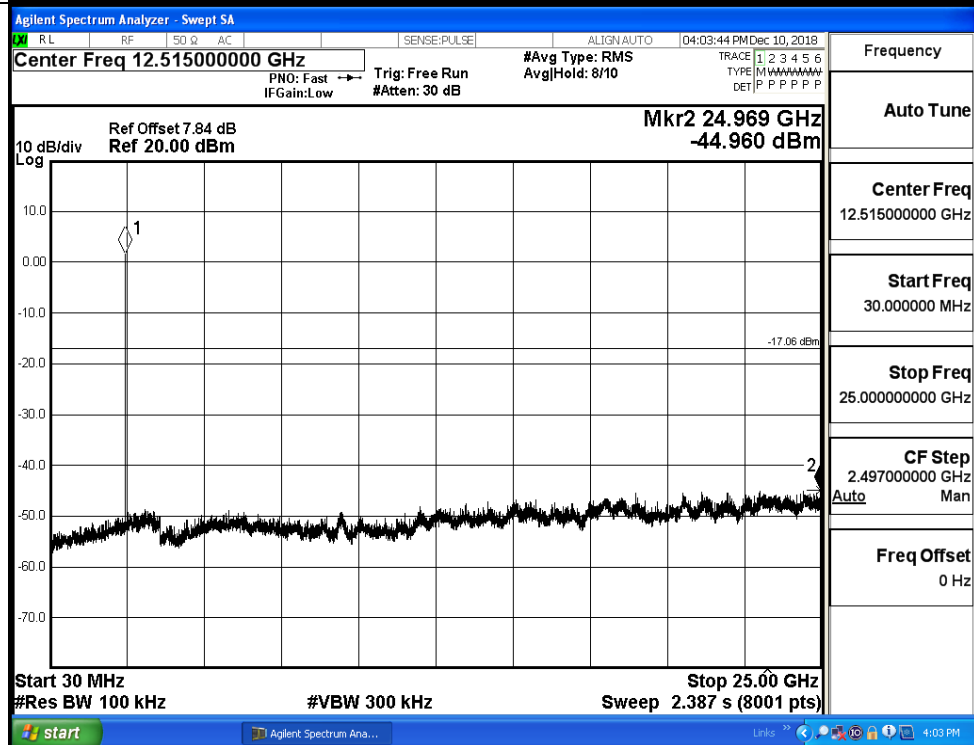


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

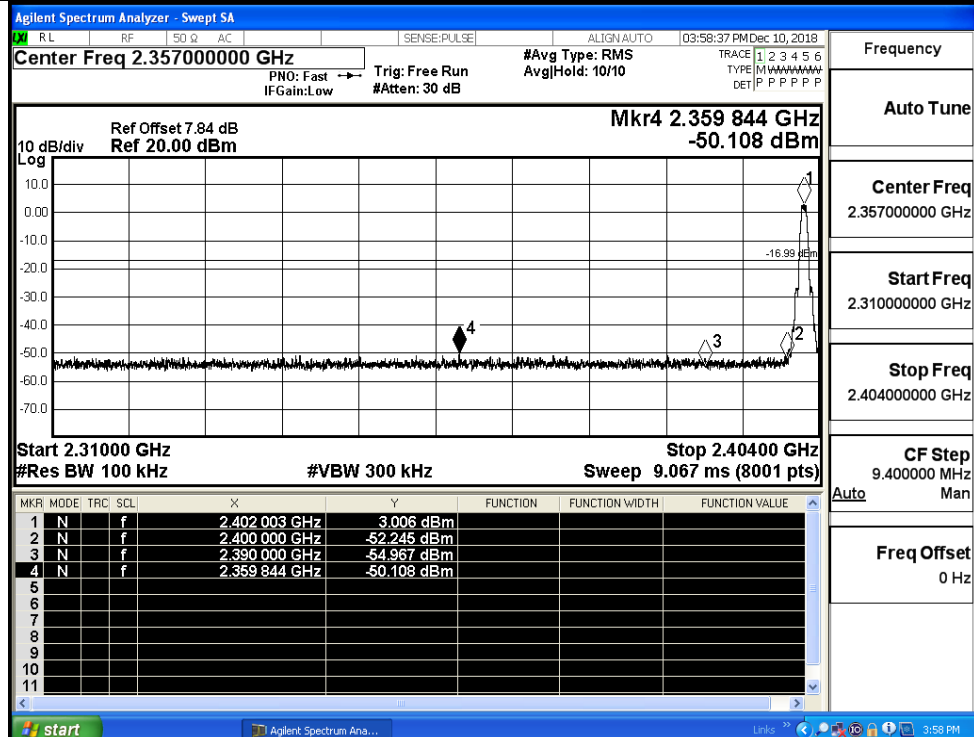


A.6 Band-edge for RF Conducted Emissions

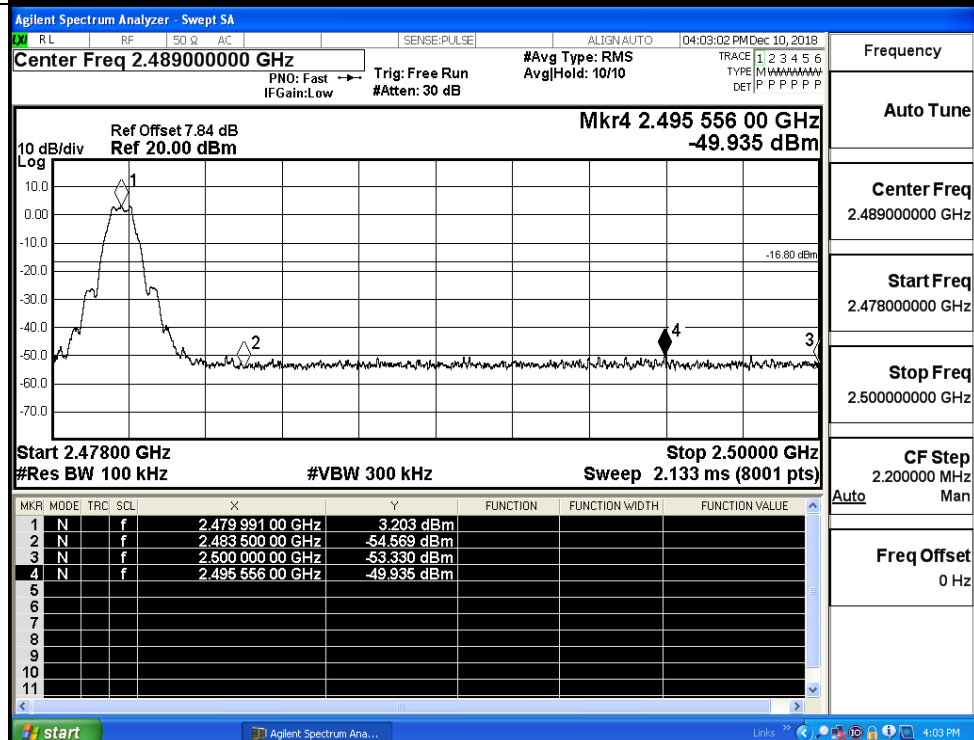
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.006	-50.108	-16.99	PASS
BT LE	HCH	3.203	-49.935	-16.8	PASS

Test Graphs

LCH



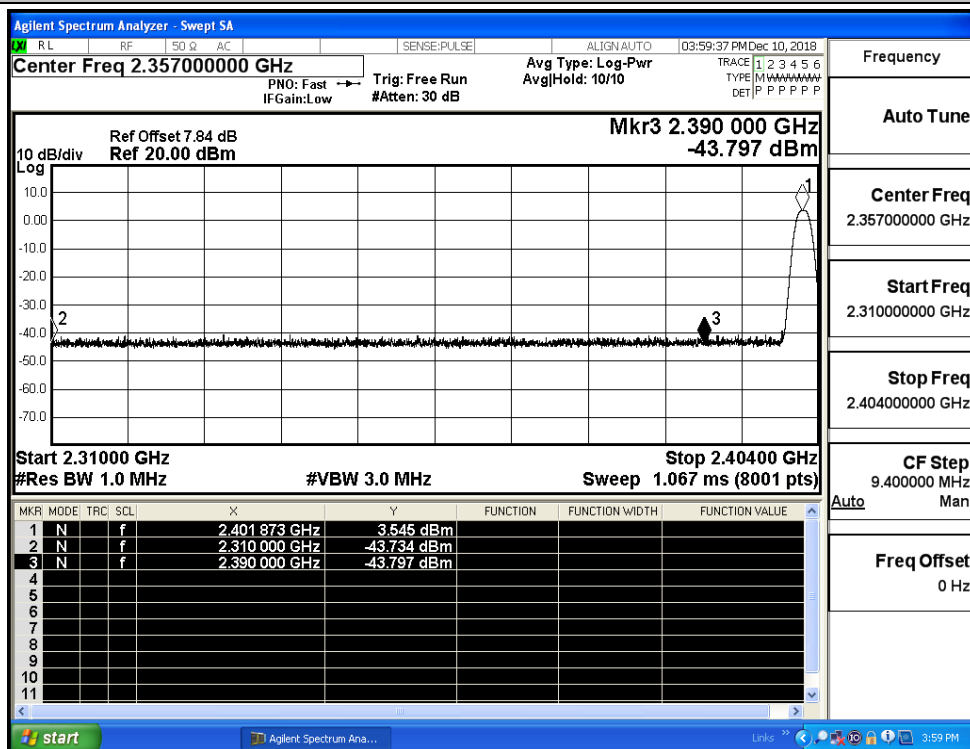
HCH



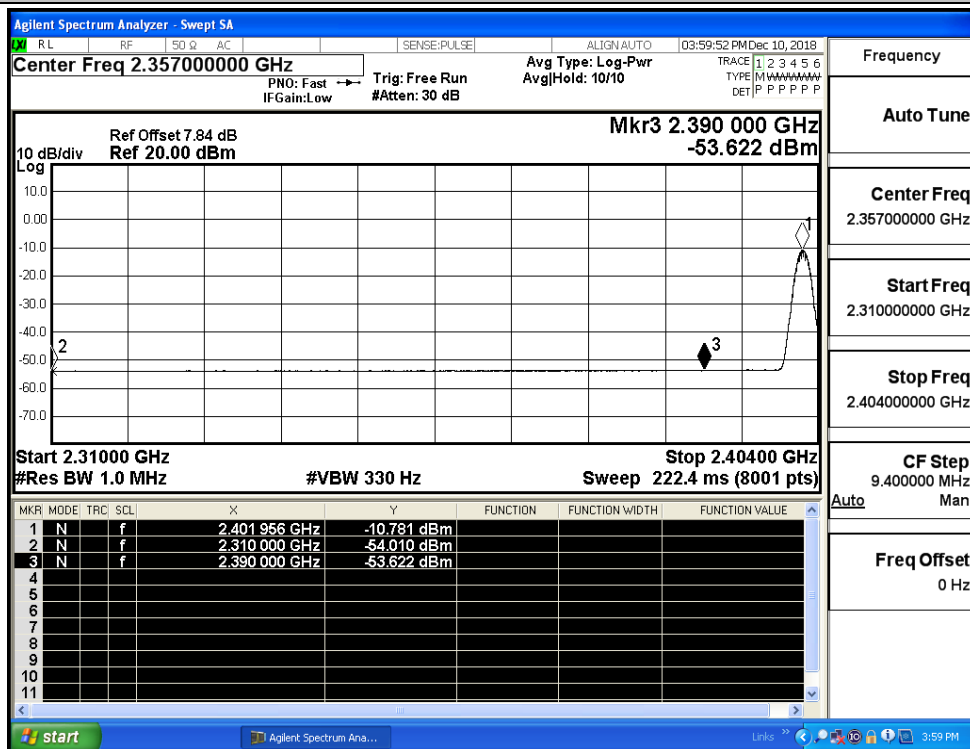
A.7 Restrict-band band-edge measurements

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	-43.73	2.0	0	53.52	PEAK	74	PASS
		Ant1	2310.0	-54.01	2.0	0	43.25	AV	54	PASS
		Ant1	2390.0	-43.80	2.0	0	53.46	PEAK	74	PASS
		Ant1	2390.0	-53.62	2.0	0	43.64	AV	54	PASS
	2480	Ant1	2483.5	-43.65	2.0	0	53.61	PEAK	74	PASS
		Ant1	2483.5	-53.30	2.0	0	43.96	AV	54	PASS
		Ant1	2500.0	-43.04	2.0	0	54.22	PEAK	74	PASS
		Ant1	2500.0	-53.24	2.0	0	44.02	AV	54	PASS

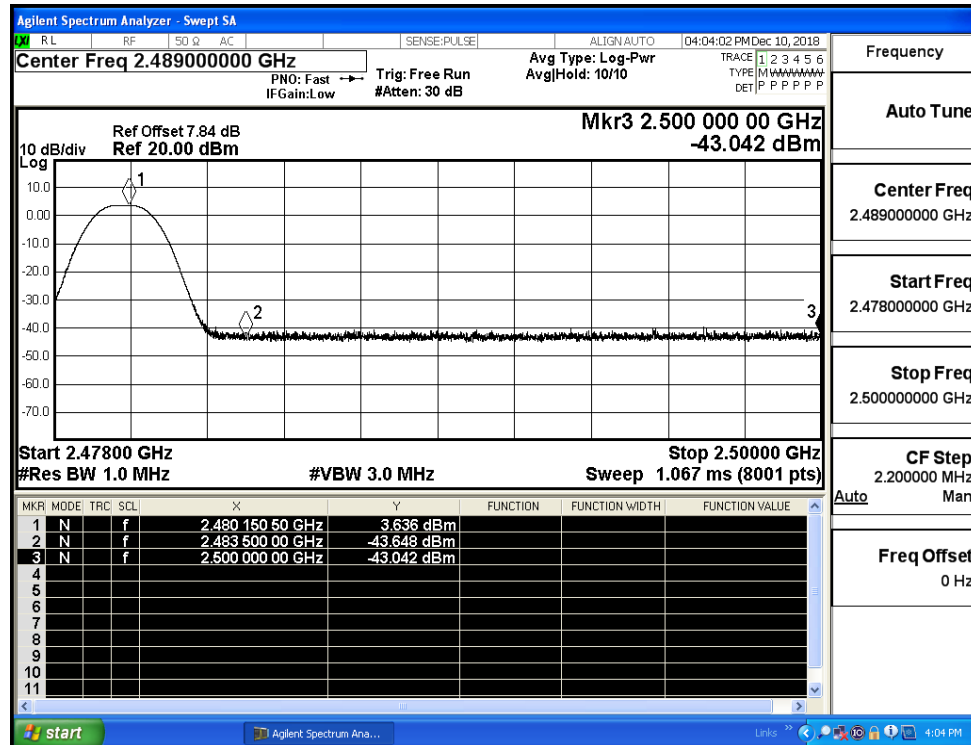
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

