

Appendix A

RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)

Product Name: Mappos

Trade Mark: Mappos

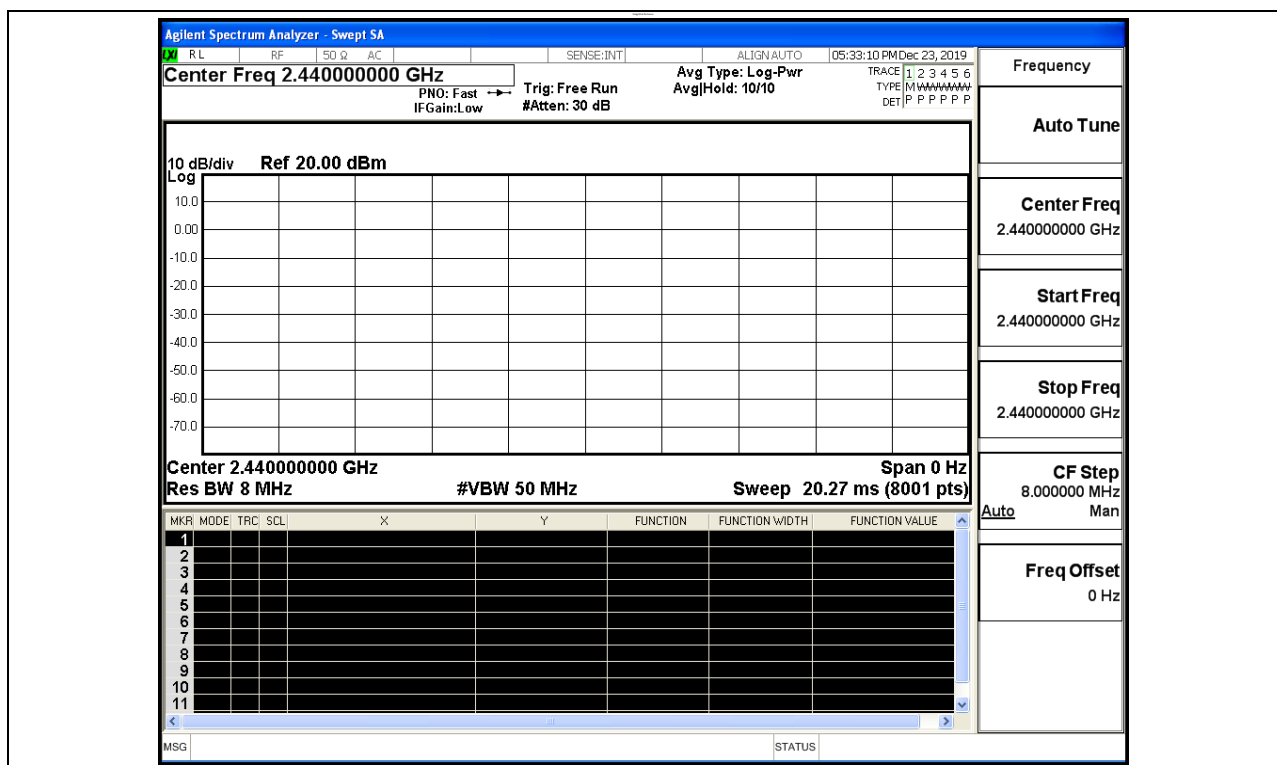
Test Model: Mappos

Environmental Conditions

Temperature:	23.8 °C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Wang Chuang

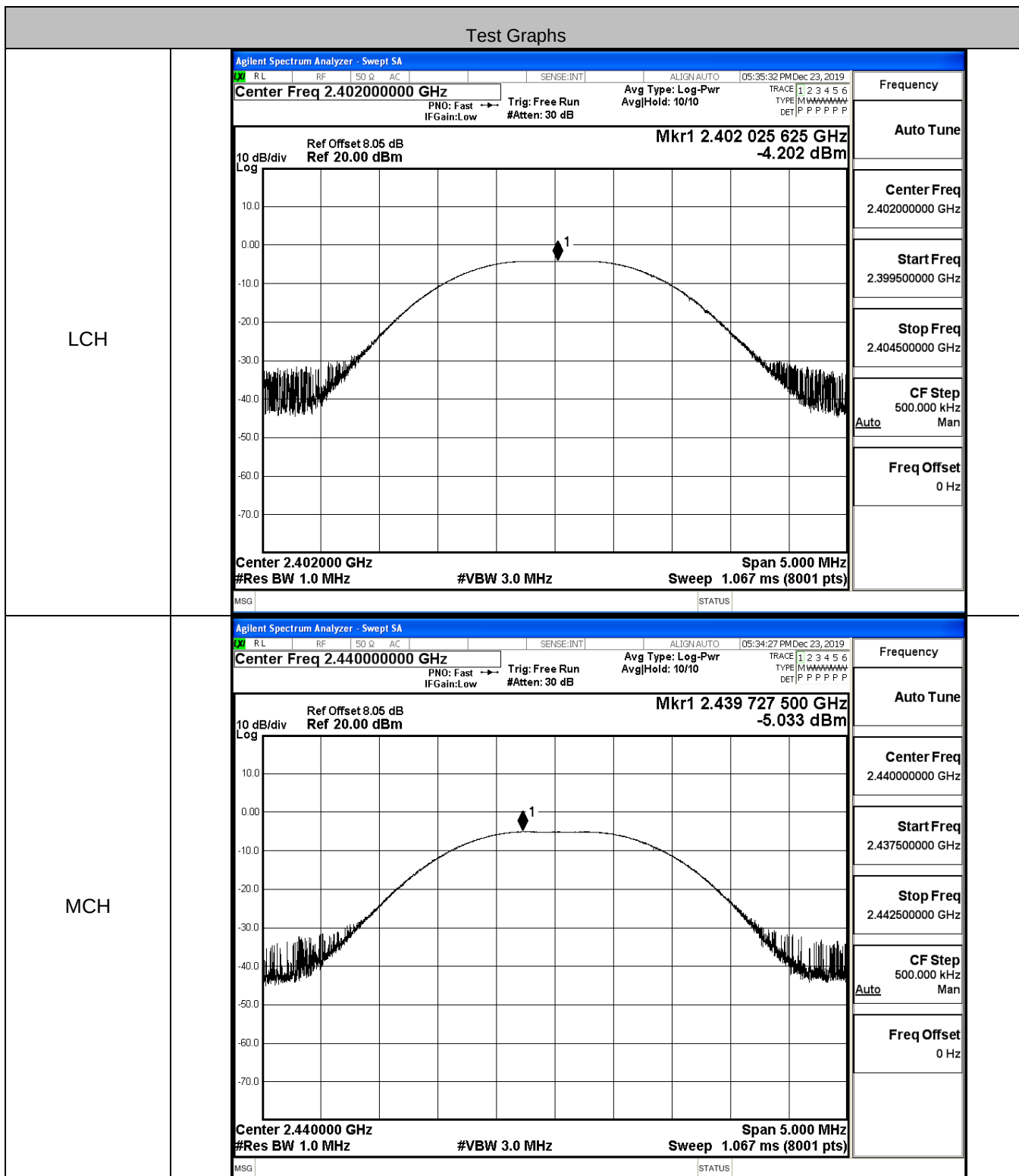
A.1 Duty Cycle

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

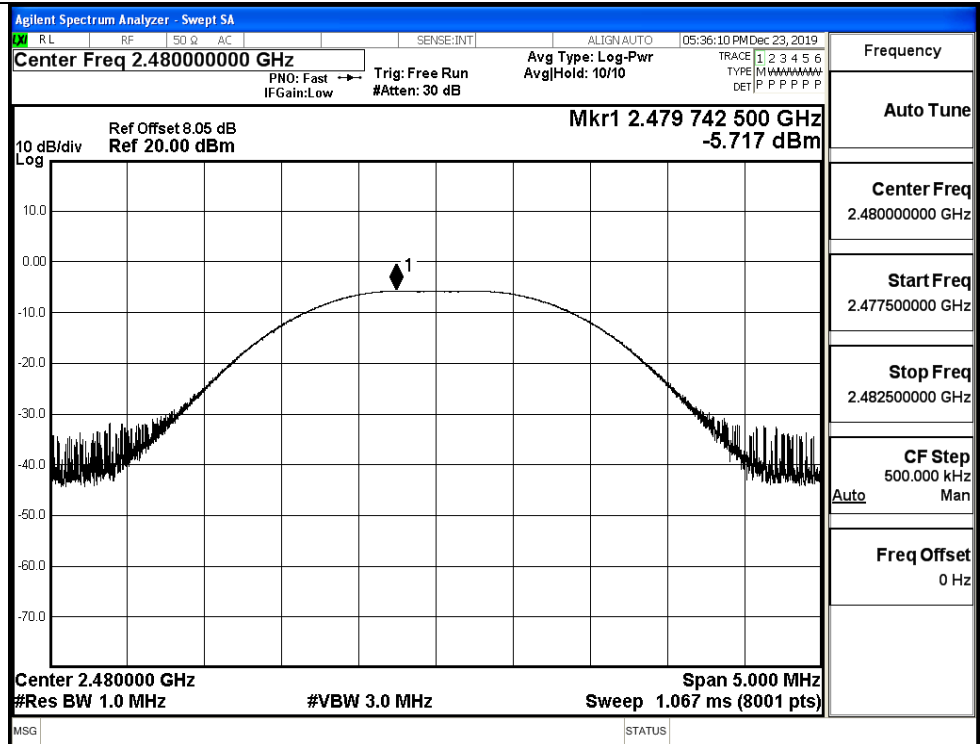


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.202	30	PASS
BT LE	MCH	-5.033	30	PASS
BT LE	HCH	-5.717	30	PASS



HCH

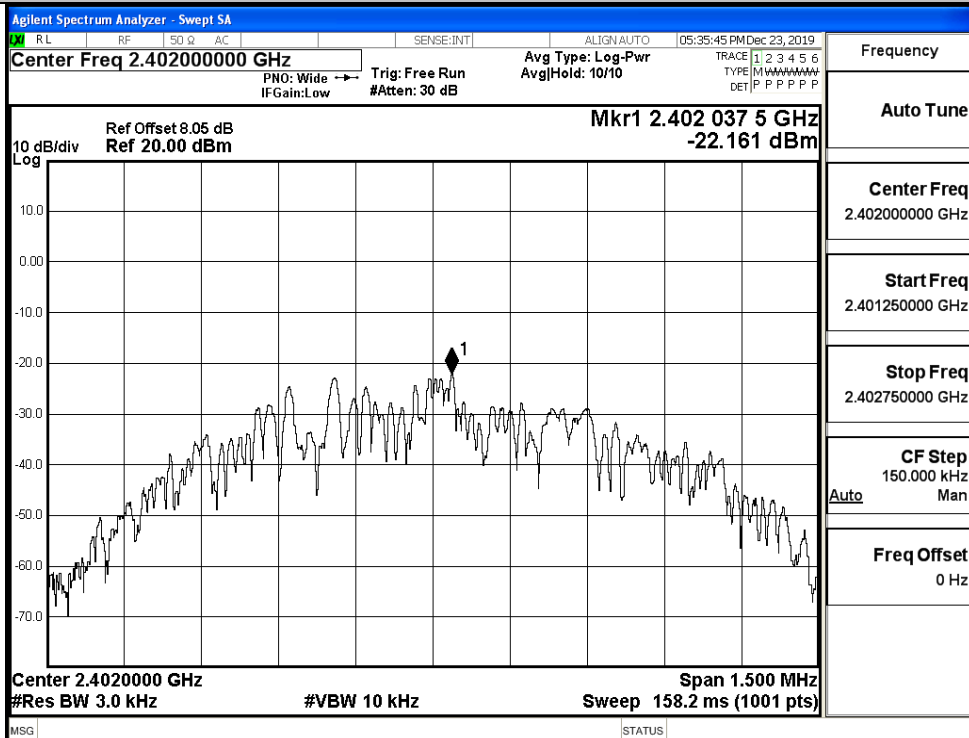


A.3 Maximum Power Spectral Density

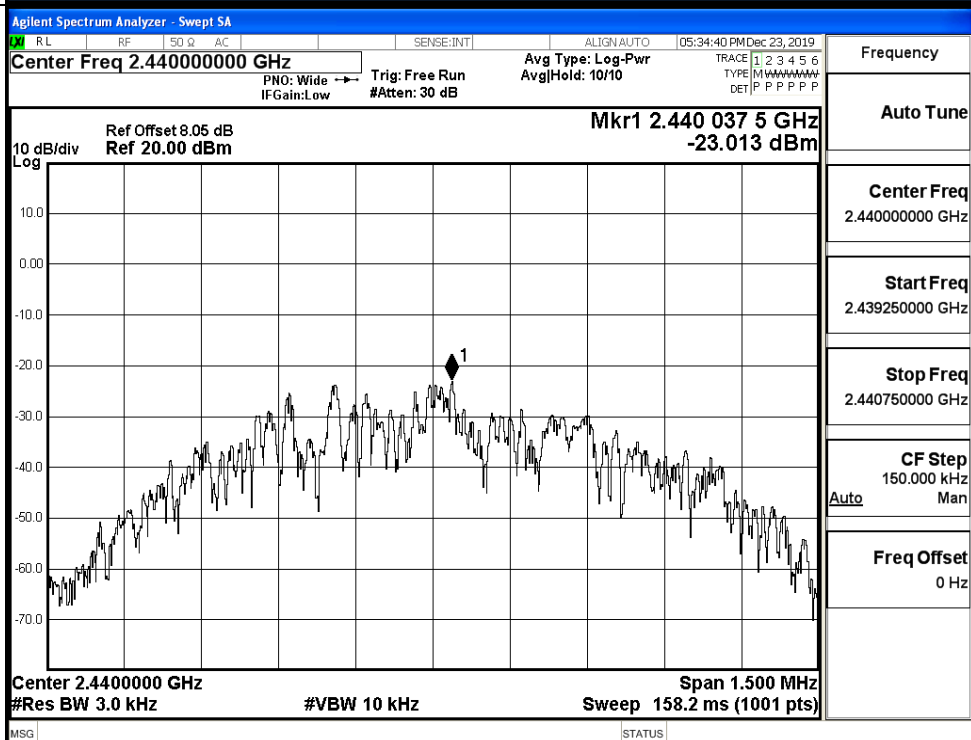
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-22.161	8	PASS
BT LE	MCH	-23.013	8	PASS
BT LE	HCH	-20.832	8	PASS

Test Graphs

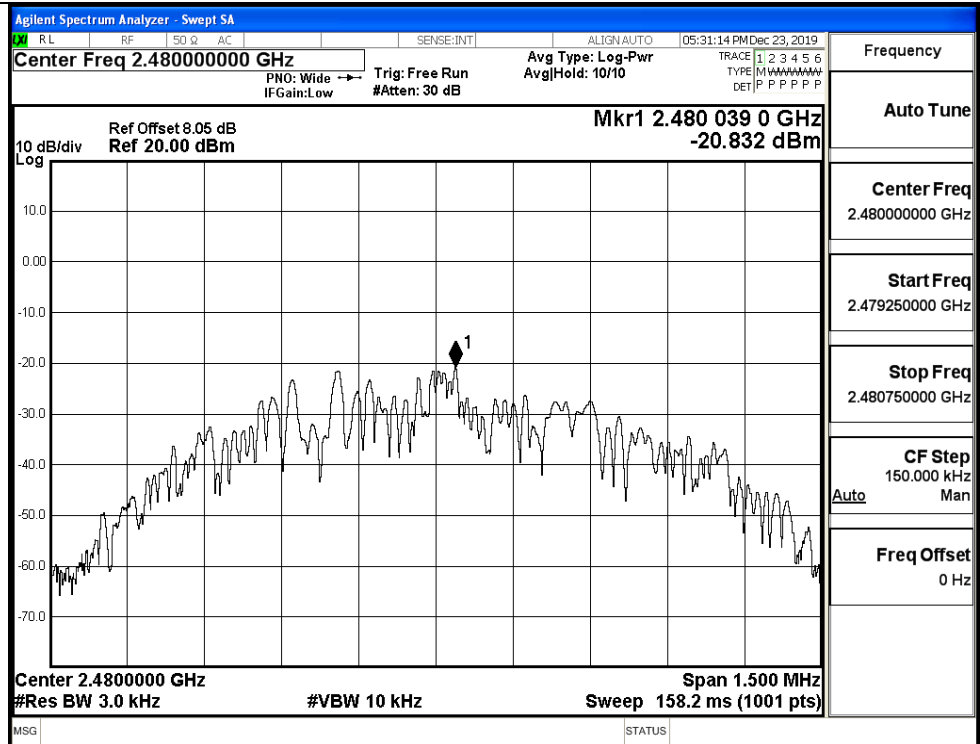
LCH



MCH



HCH

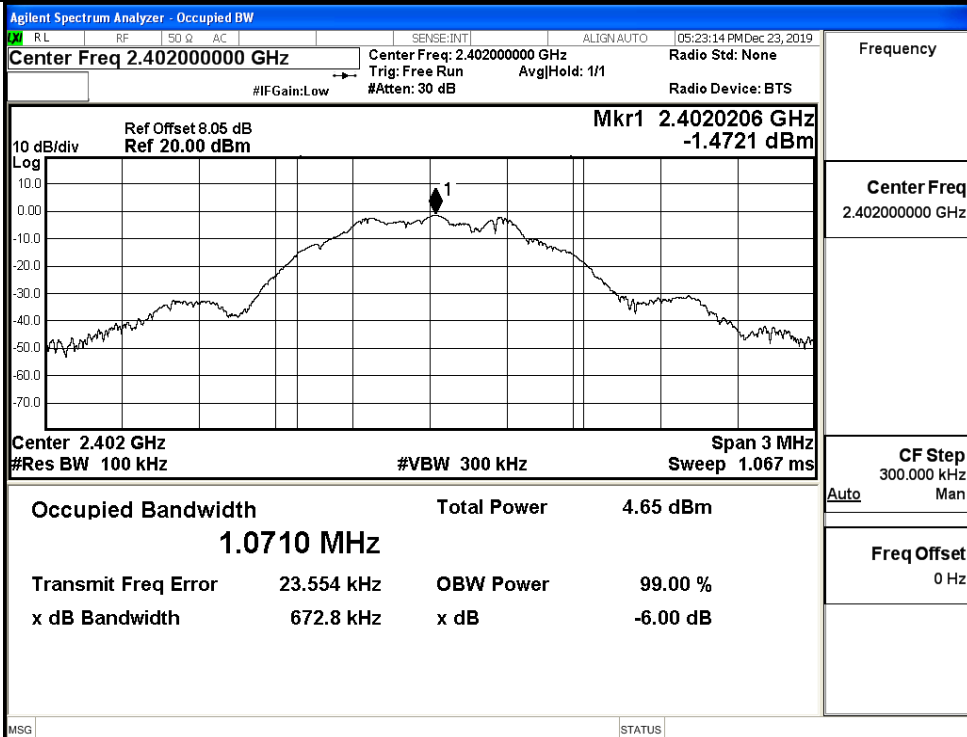


A.4 6dB Bandwidth

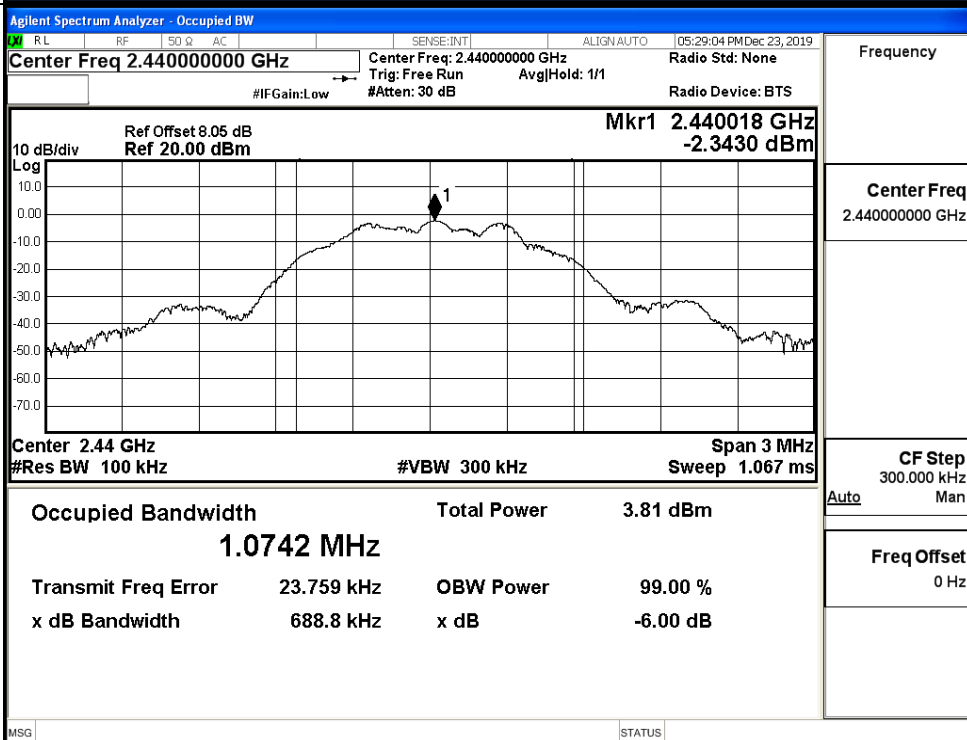
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6728	≥ 0.5	PASS
BT LE	MCH	0.6888	≥ 0.5	PASS
BT LE	HCH	0.6857	≥ 0.5	PASS

Test Graphs

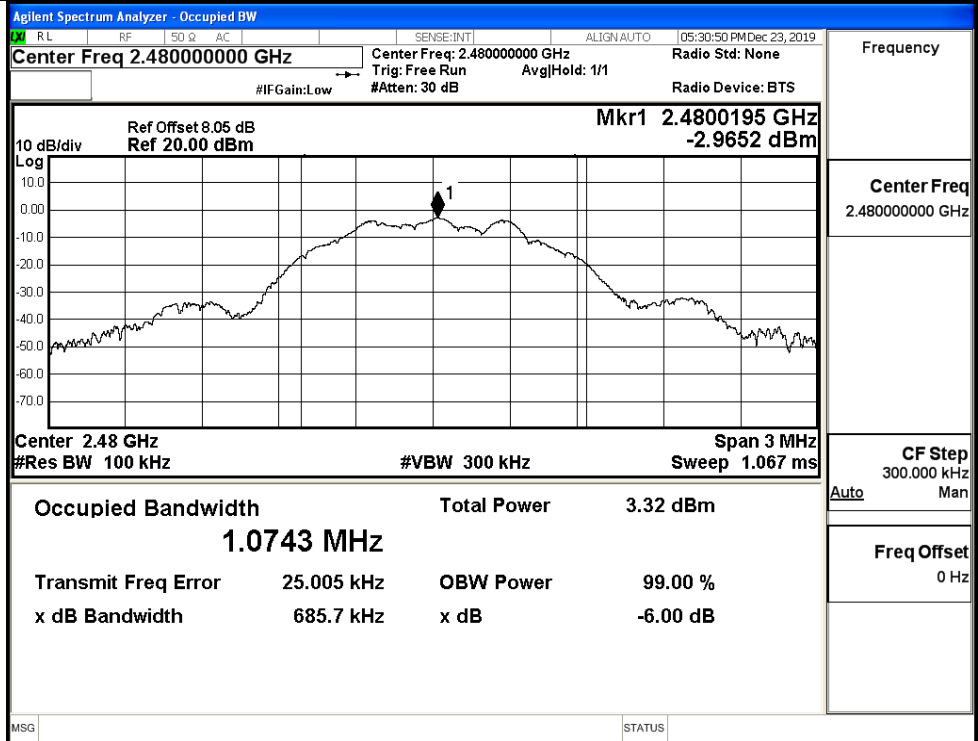
LCH



MCH



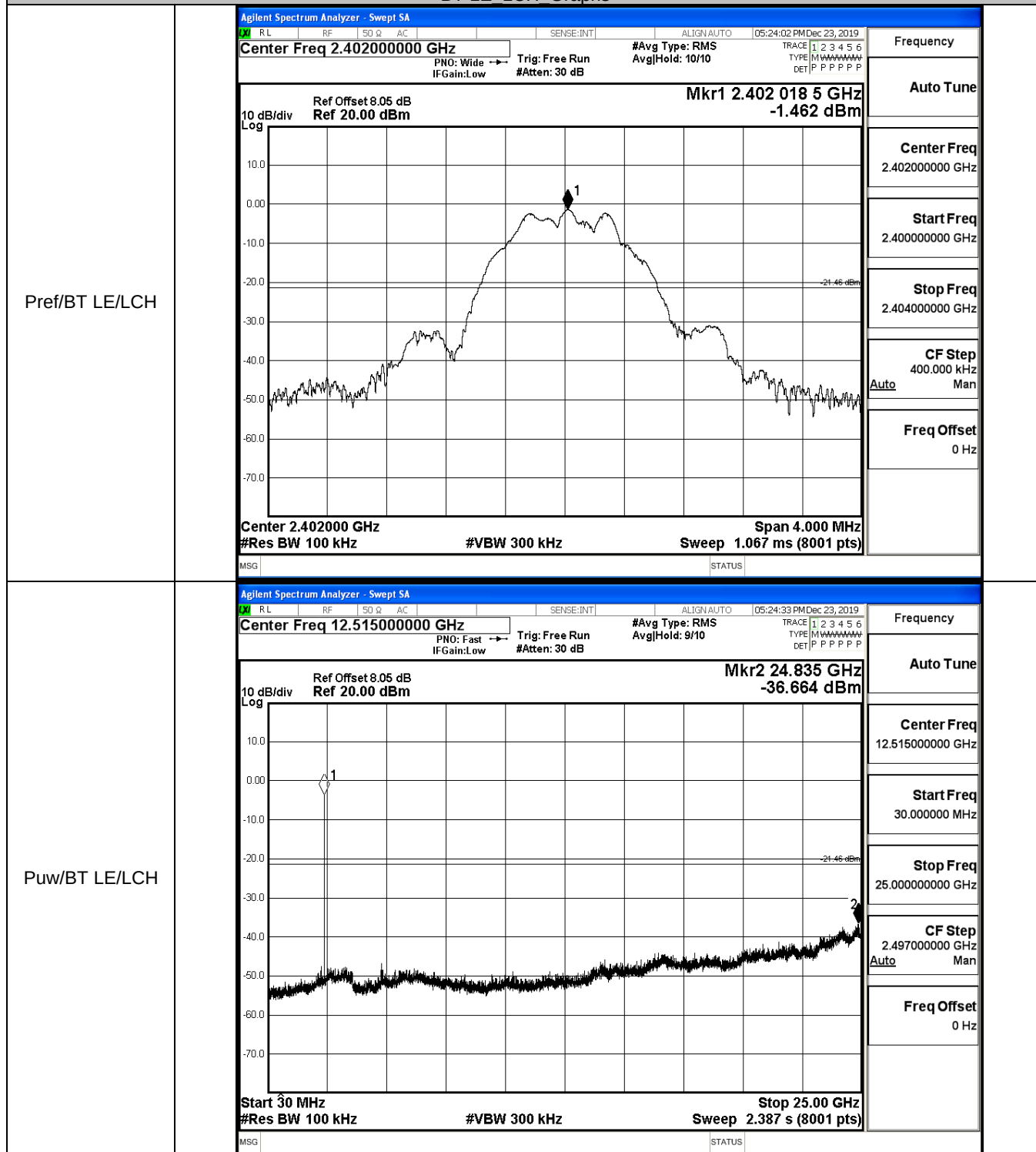
HCH



A.5 RF Conducted Spurious Emissions

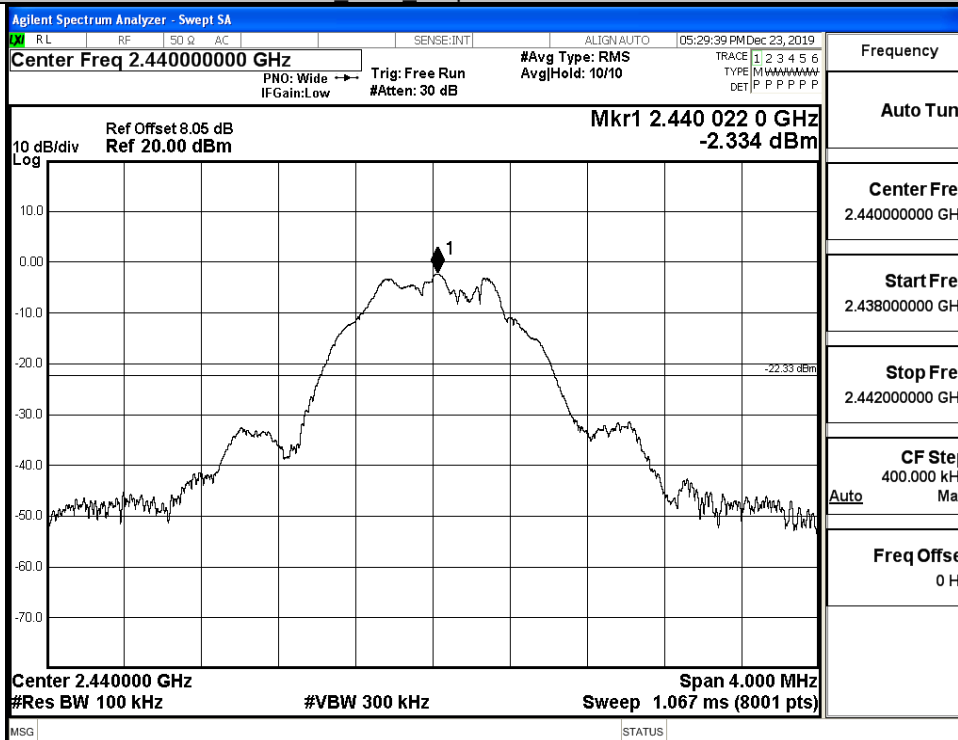
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.462	-36.664	-21.462	PASS
BT LE	MCH	-2.334	-37.015	-22.334	PASS
BT LE	HCH	-2.982	-36.912	-22.982	PASS

BT LE LCH Graphs

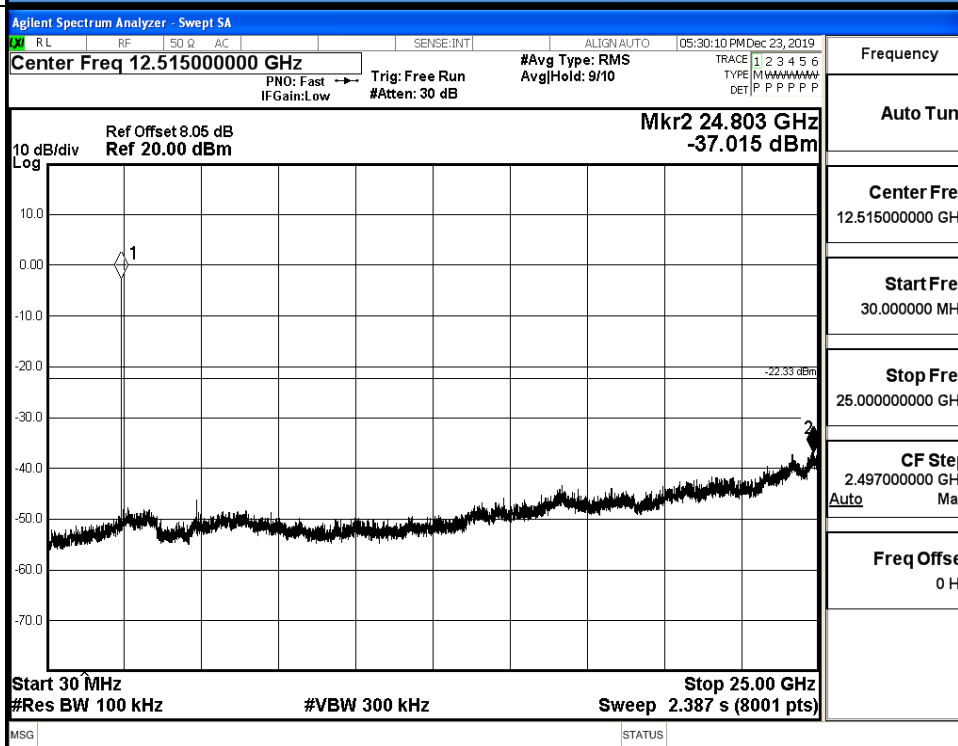


BT LE MCH Graphs

Pref/BT LE/MCH

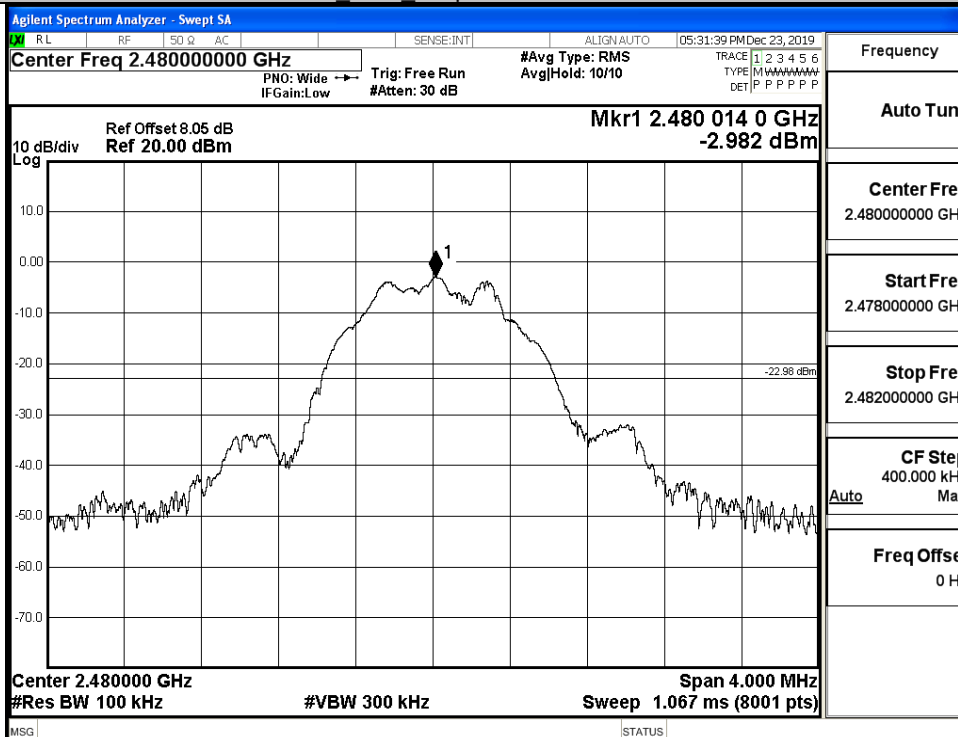


Puw/BT LE/MCH

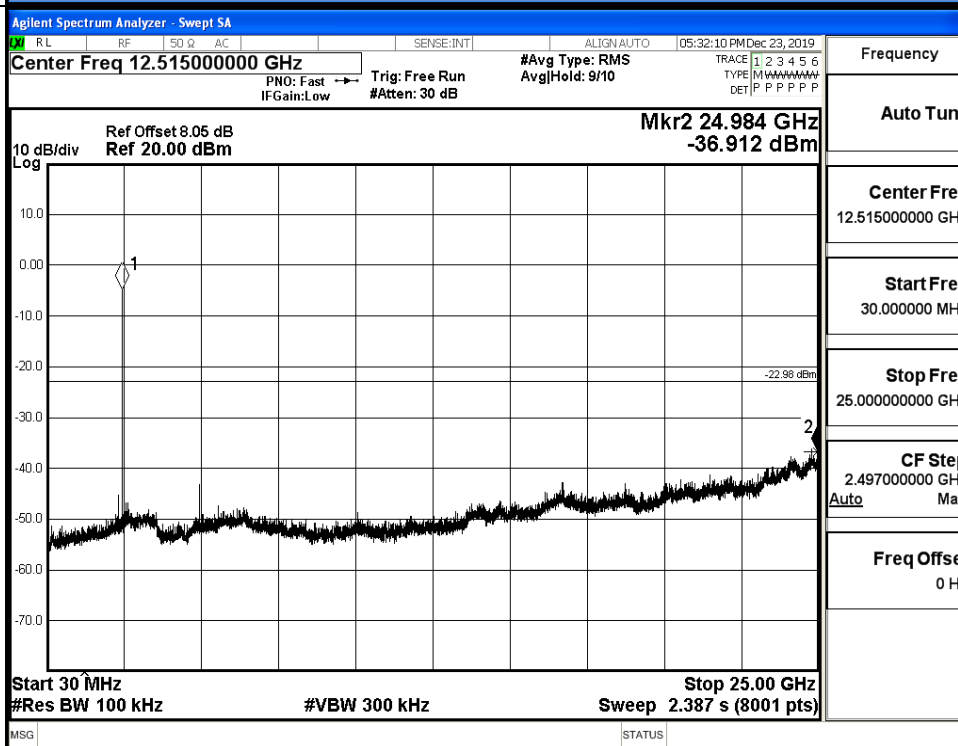


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

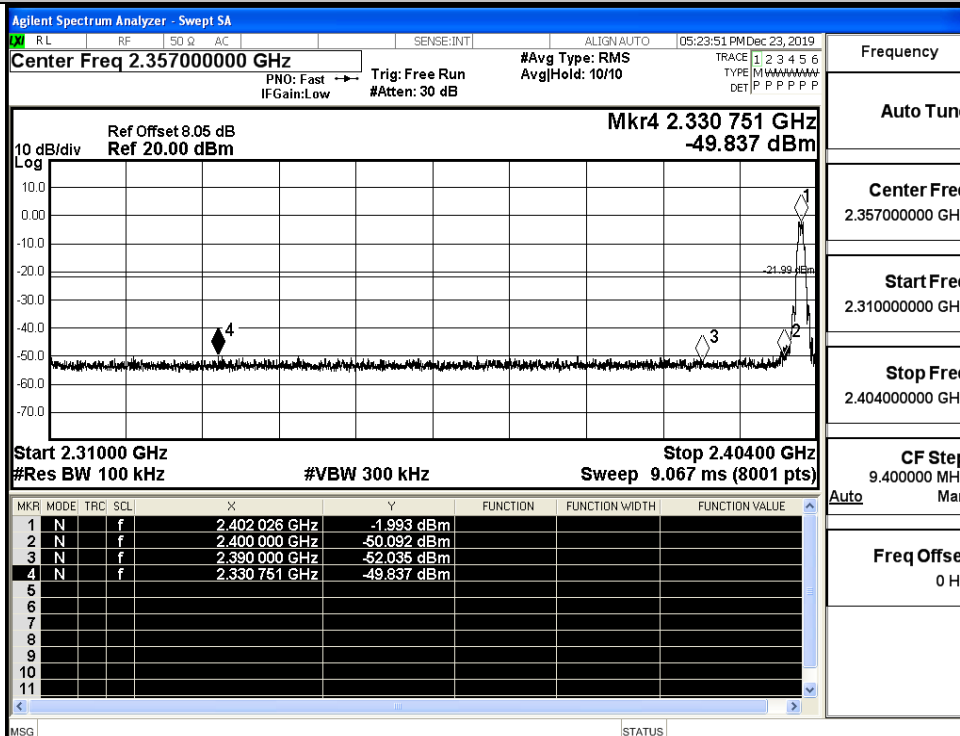


A.6 Band-edge for RF Conducted Emissions

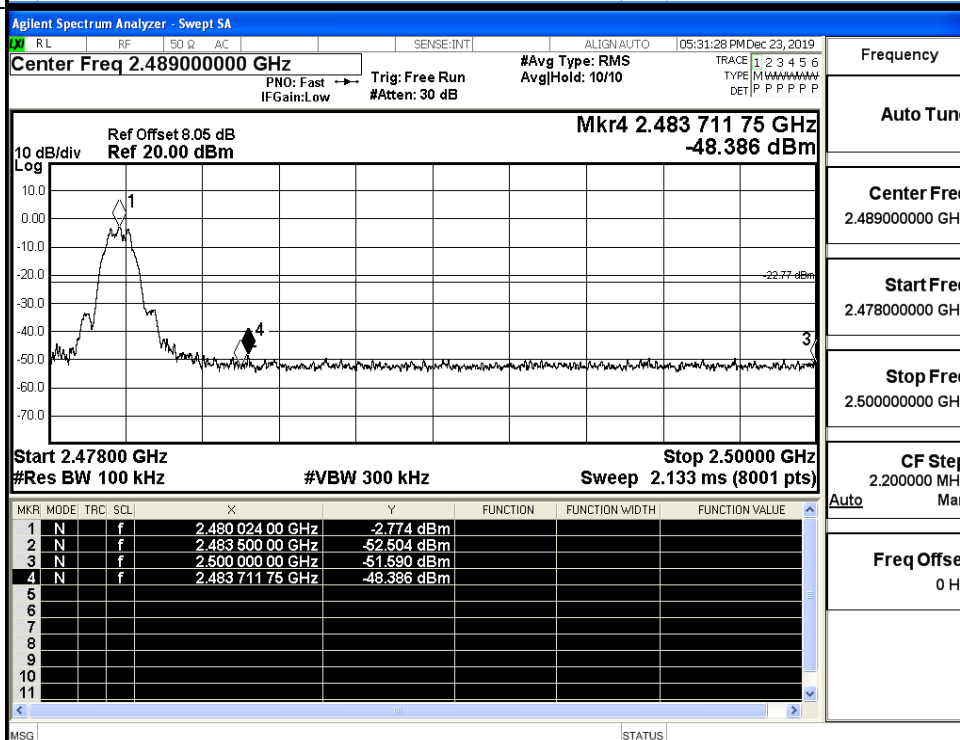
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.993	-49.837	-21.99	PASS
BT LE	HCH	-2.774	-48.386	-22.77	PASS

Test Graphs

LCH



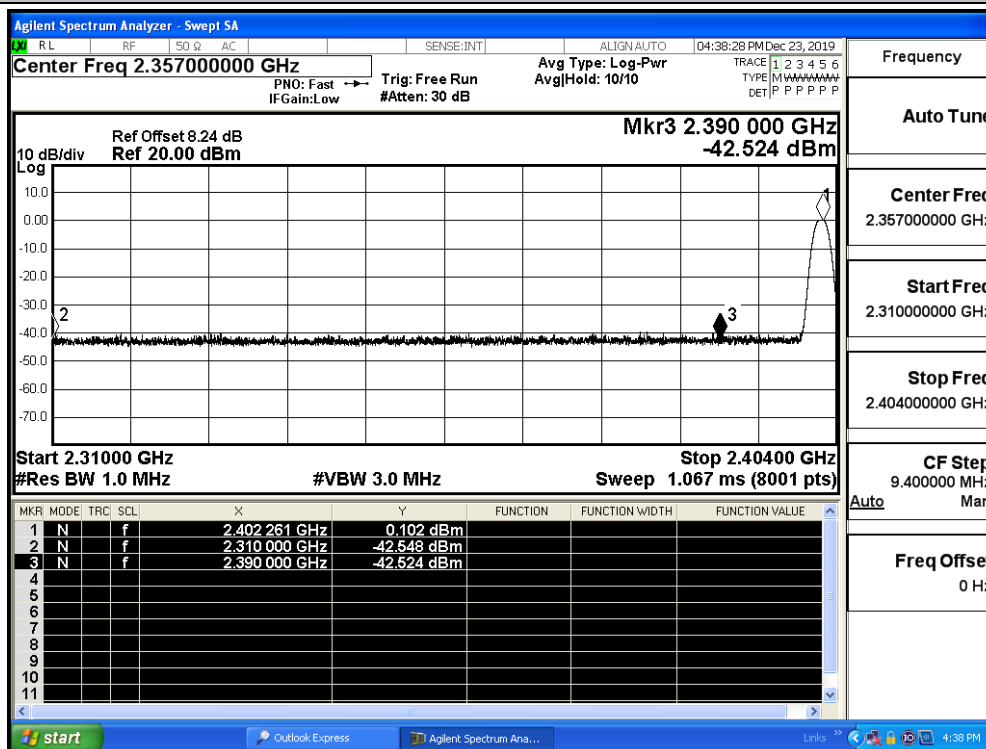
HCH



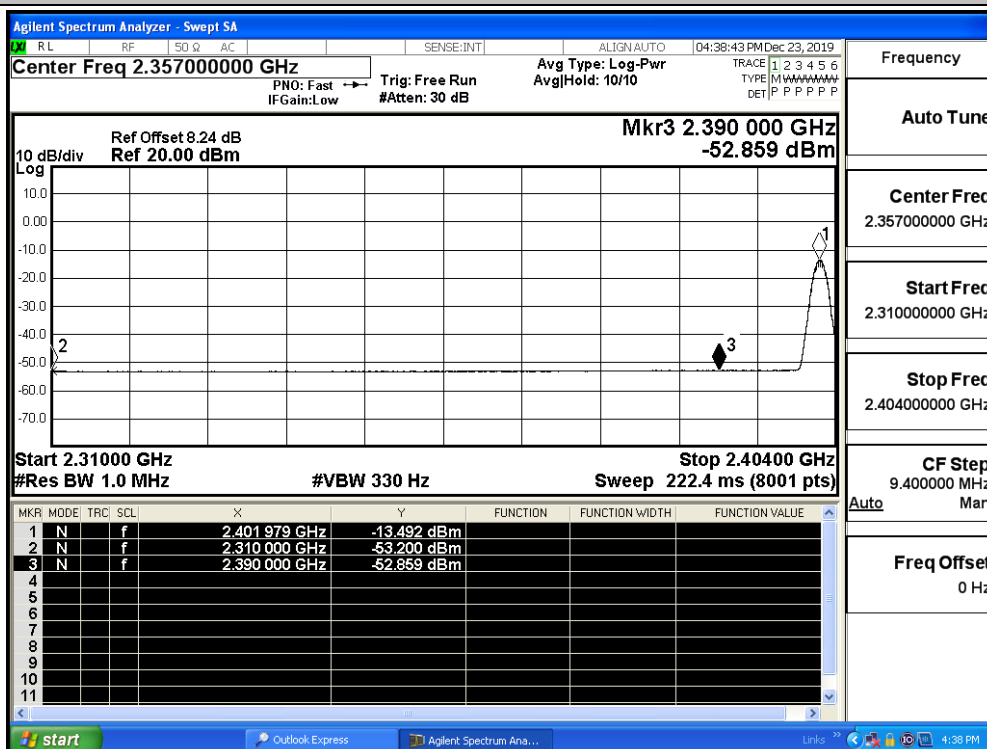
A.7 Restrict-band band-edge measurements

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	-42.55	2.0	0	54.68	PEAK	74	PASS
		Ant1	2310.0	-53.20	2.0	0	44.03	AV	54	PASS
		Ant1	2390.0	-42.52	2.0	0	54.71	PEAK	74	PASS
		Ant1	2390.0	-52.86	2.0	0	44.37	AV	54	PASS
	2480	Ant1	2483.5	-42.23	2.0	0	55.00	PEAK	74	PASS
		Ant1	2483.5	-52.14	2.0	0	45.09	AV	54	PASS
		Ant1	2500.0	-42.10	2.0	0	55.13	PEAK	74	PASS
		Ant1	2500.0	-52.27	2.0	0	44.96	AV	54	PASS

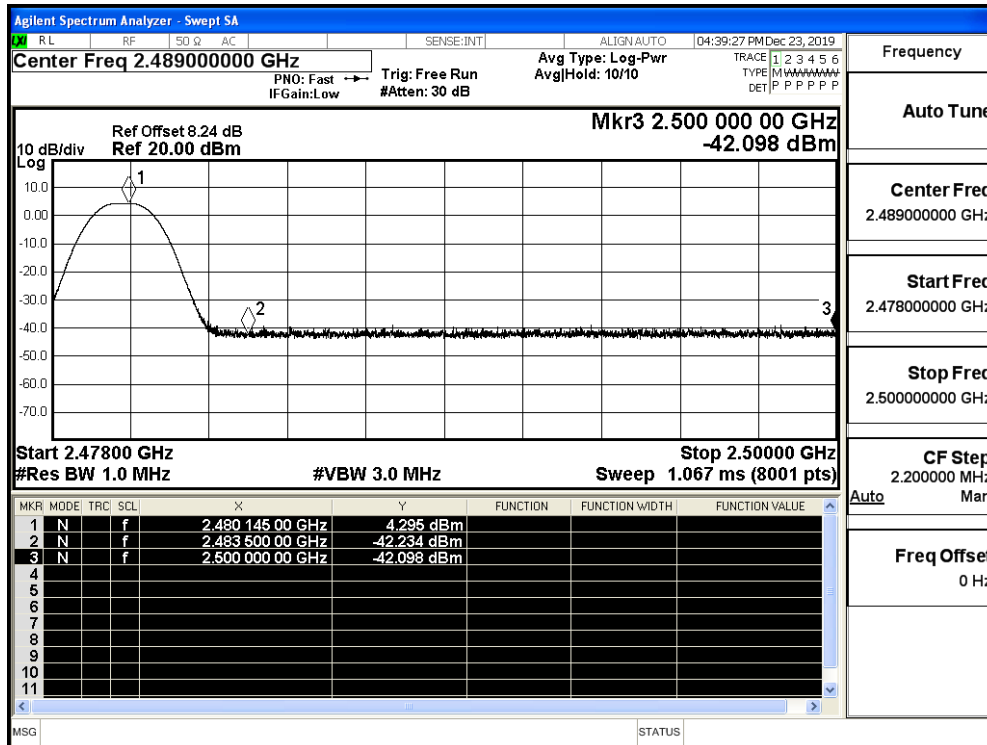
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

