

Appendix B

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

Product Name: PDMonitor

Trade Mark: PDMonitor

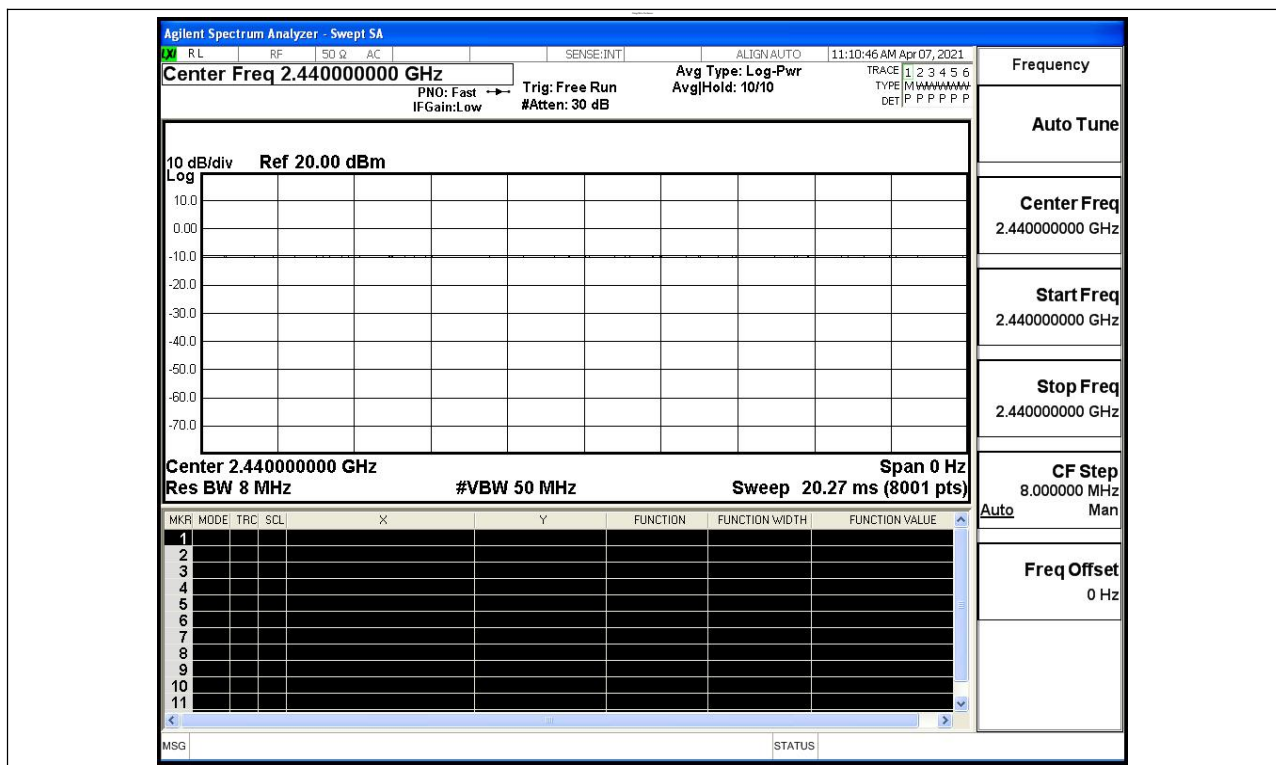
Test Model: PDMonitor

Environmental Conditions

Temperature:	25.9 ° C
Relative Humidity:	54.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Ben Jin
Supervised by:	Li Huan

B.1 Duty Cycle

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

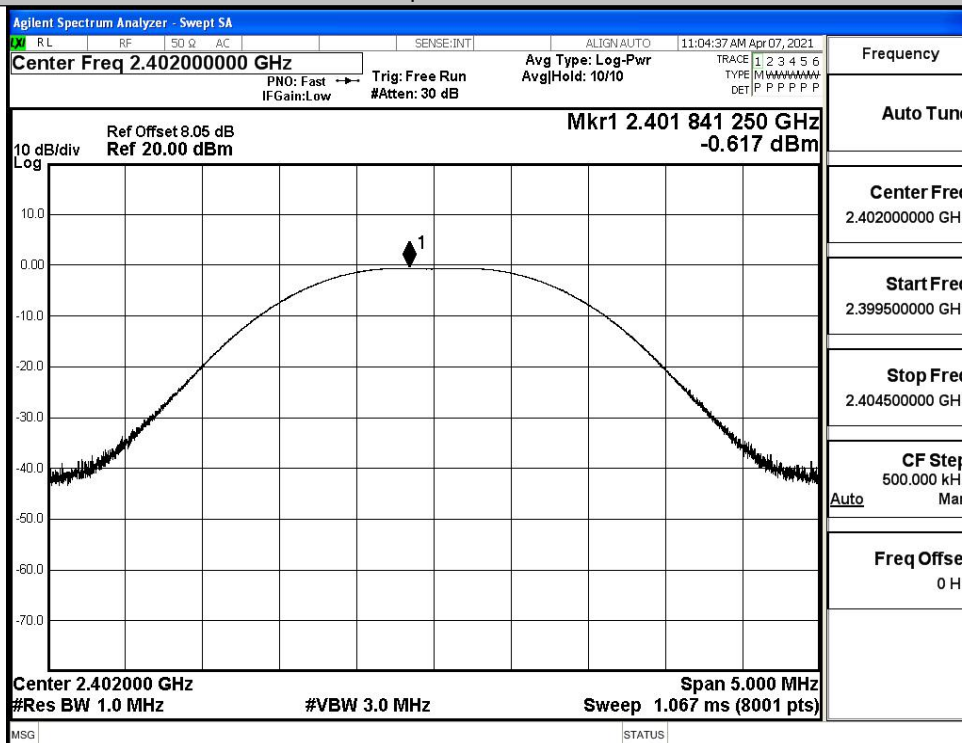


B.2 Maximum Conducted Peak Output Power

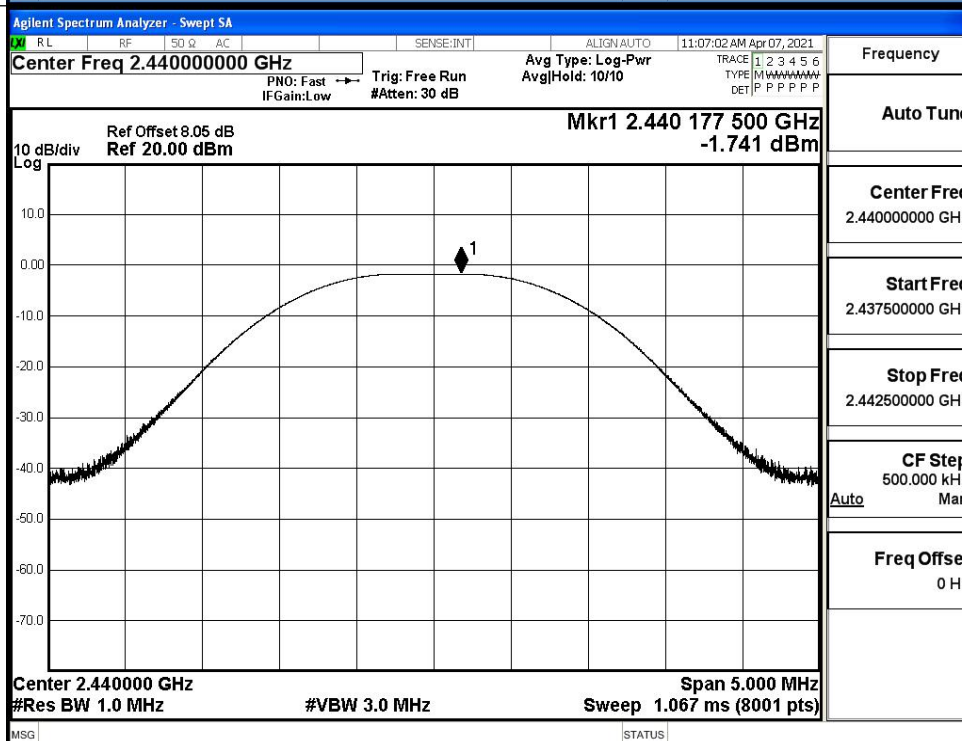
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.617	30	PASS
BT LE	MCH	-1.741	30	PASS
BT LE	HCH	-1.603	30	PASS

Test Graphs

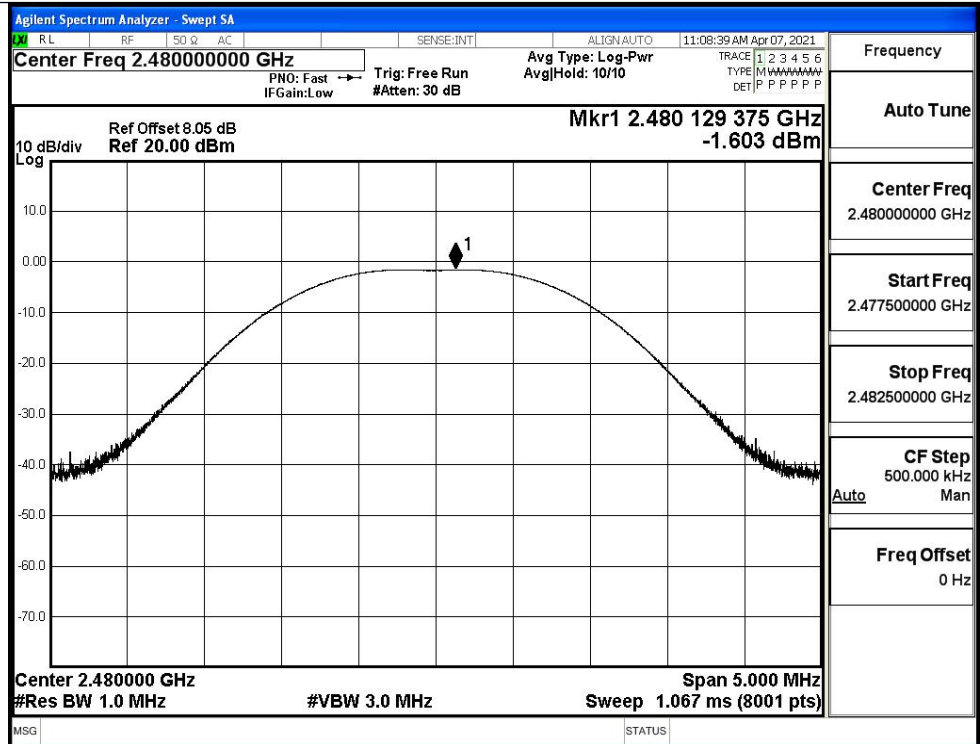
LCH



MCH



HCH

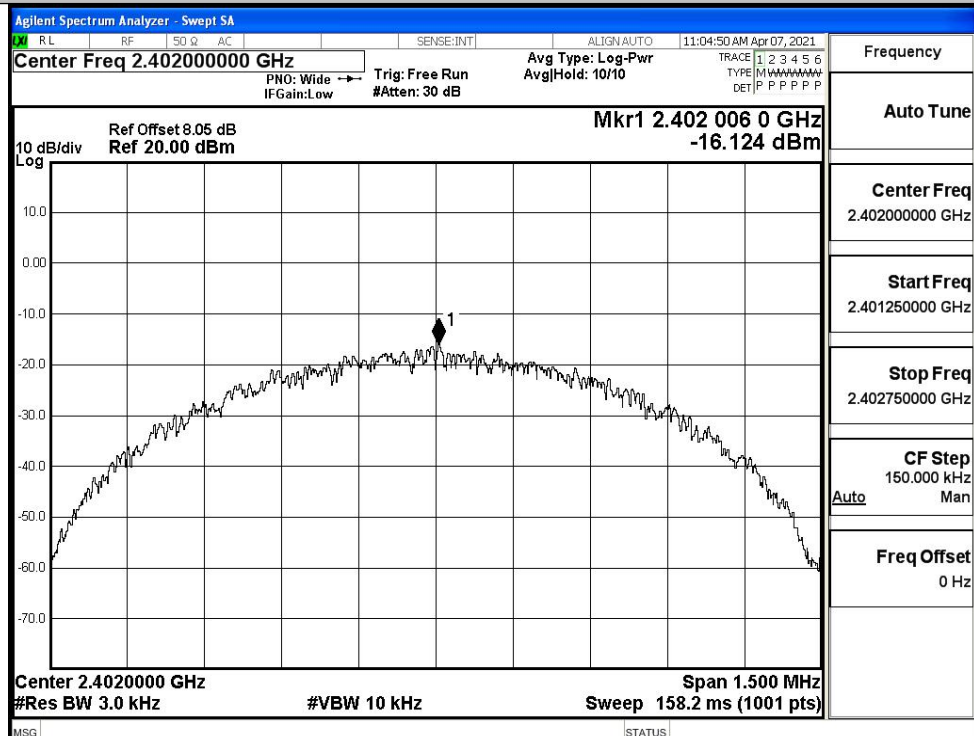


B.3 Maximum Power Spectral Density

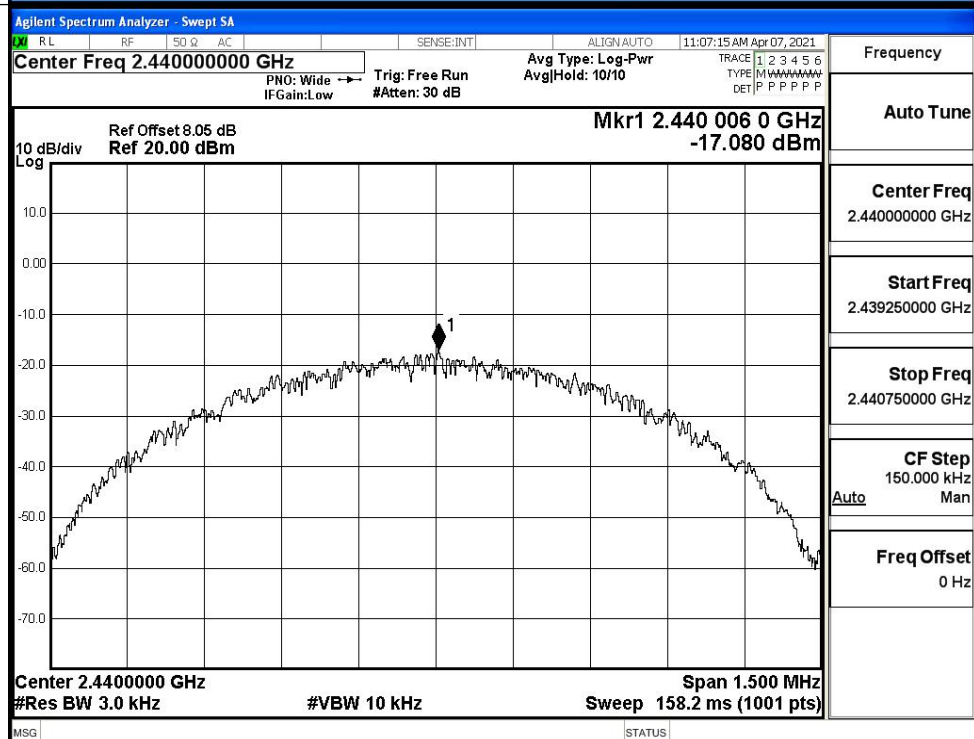
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.124	8	PASS
BT LE	MCH	-17.080	8	PASS
BT LE	HCH	-17.035	8	PASS

Test Graphs

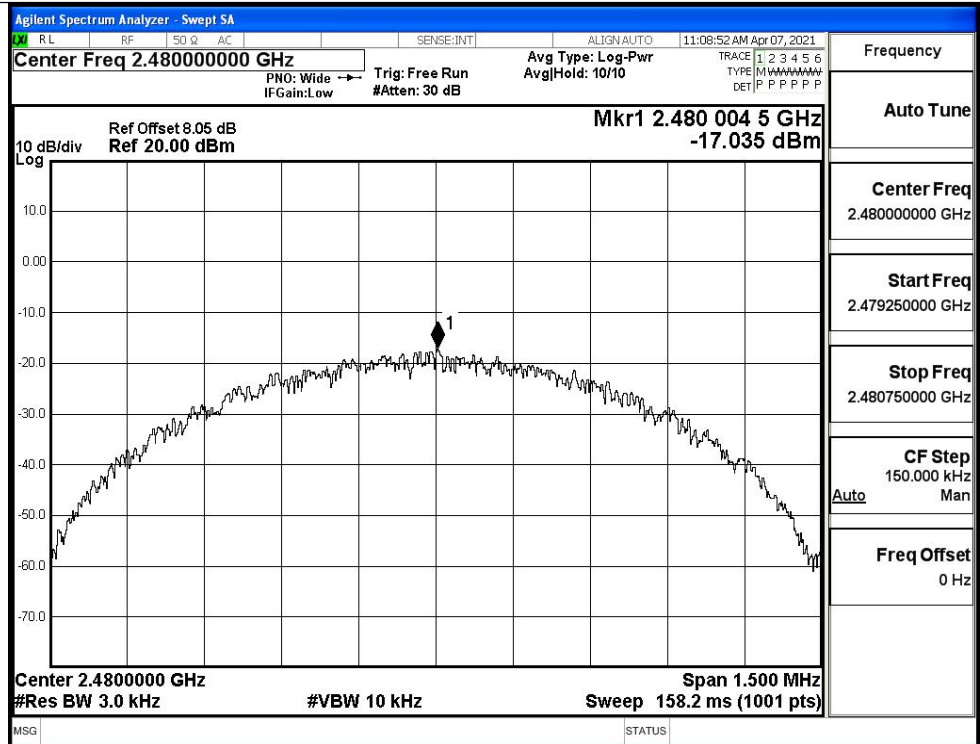
LCH



MCH



HCH

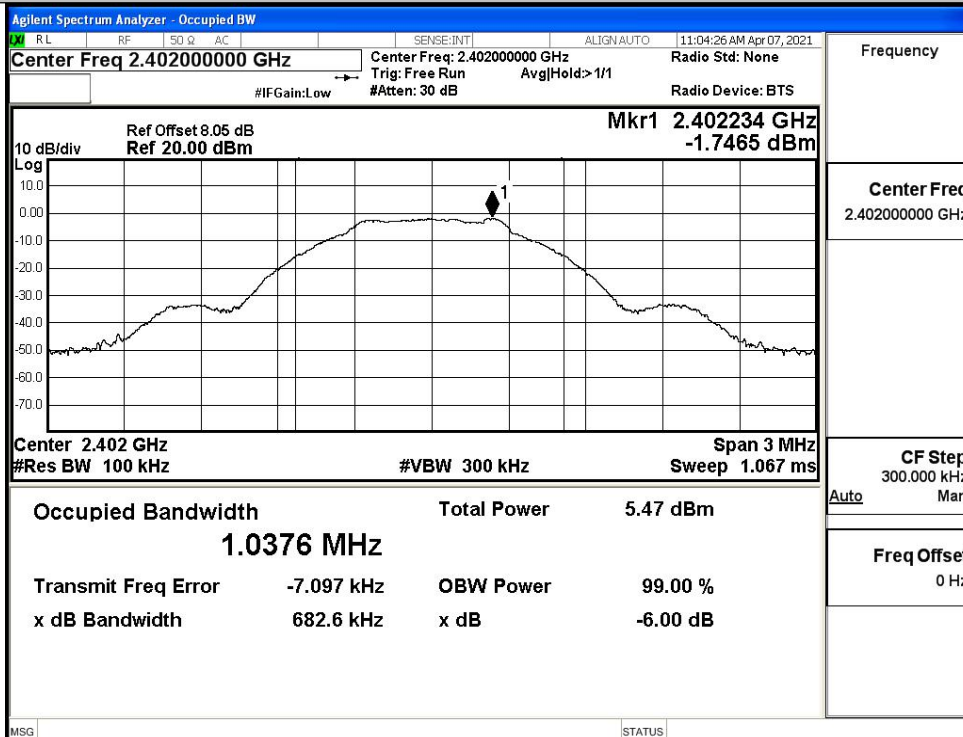


B.4 6dB Bandwidth

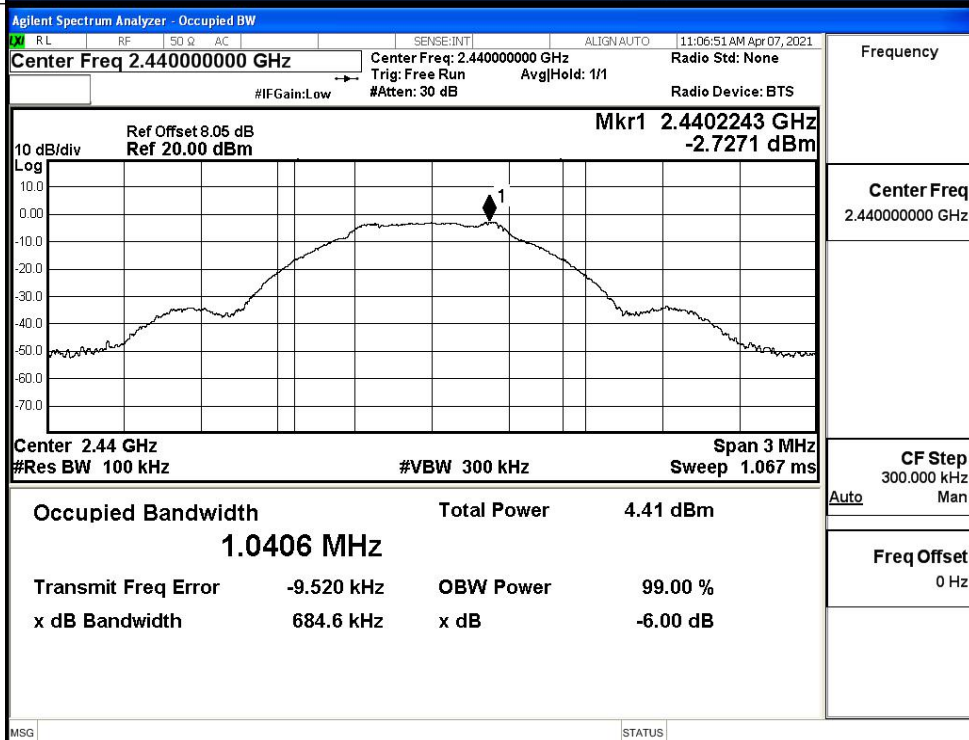
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6826	≥ 0.5	PASS
BT LE	MCH	0.6846	≥ 0.5	PASS
BT LE	HCH	0.6867	≥ 0.5	PASS

Test Graphs

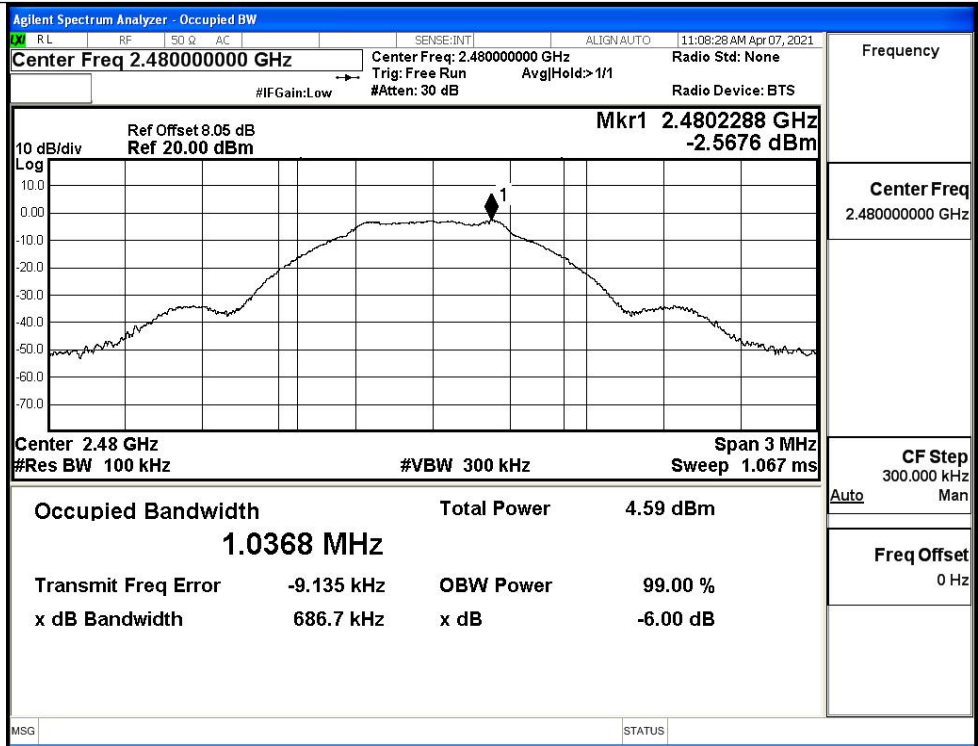
LCH



MCH



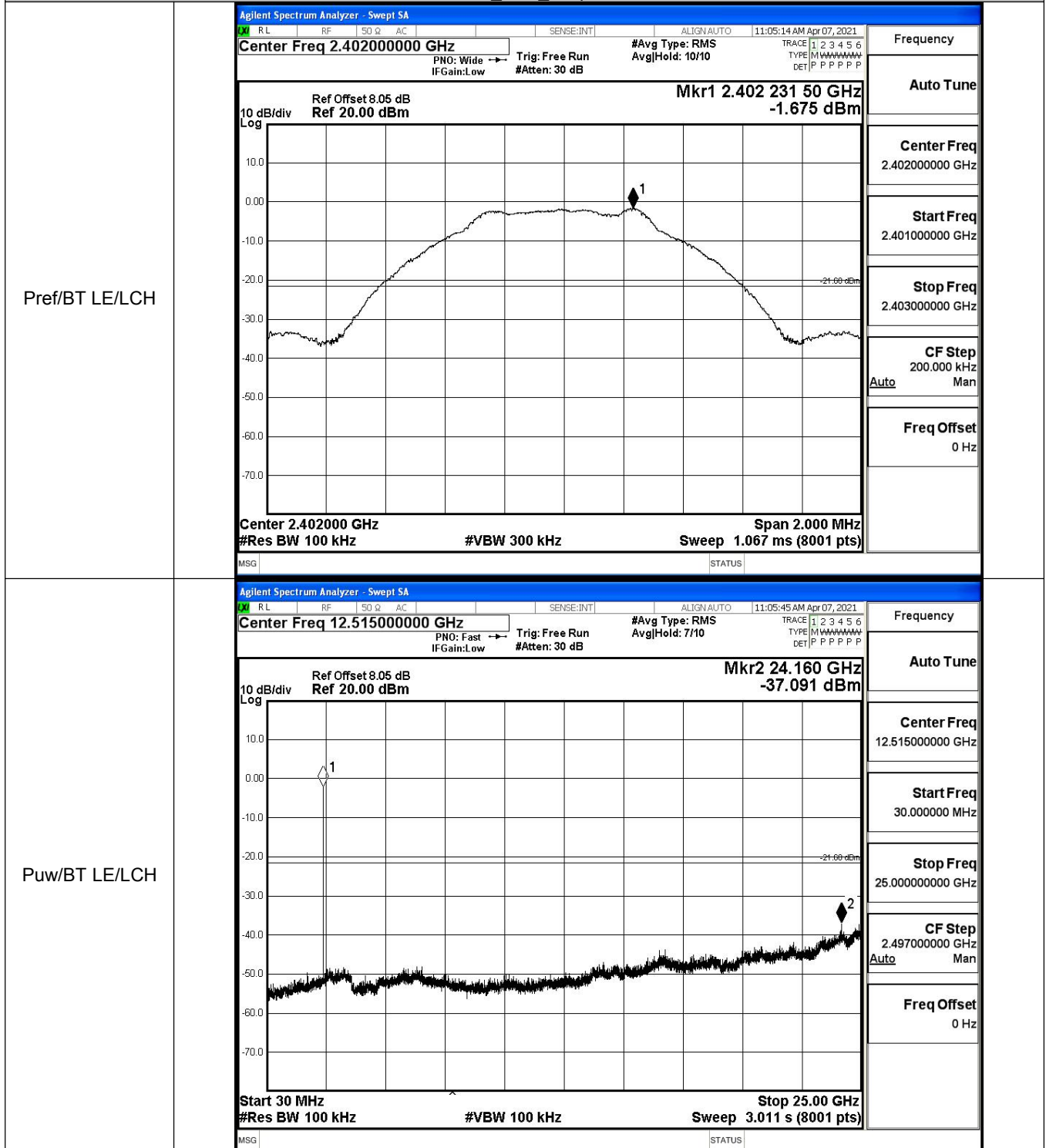
HCH

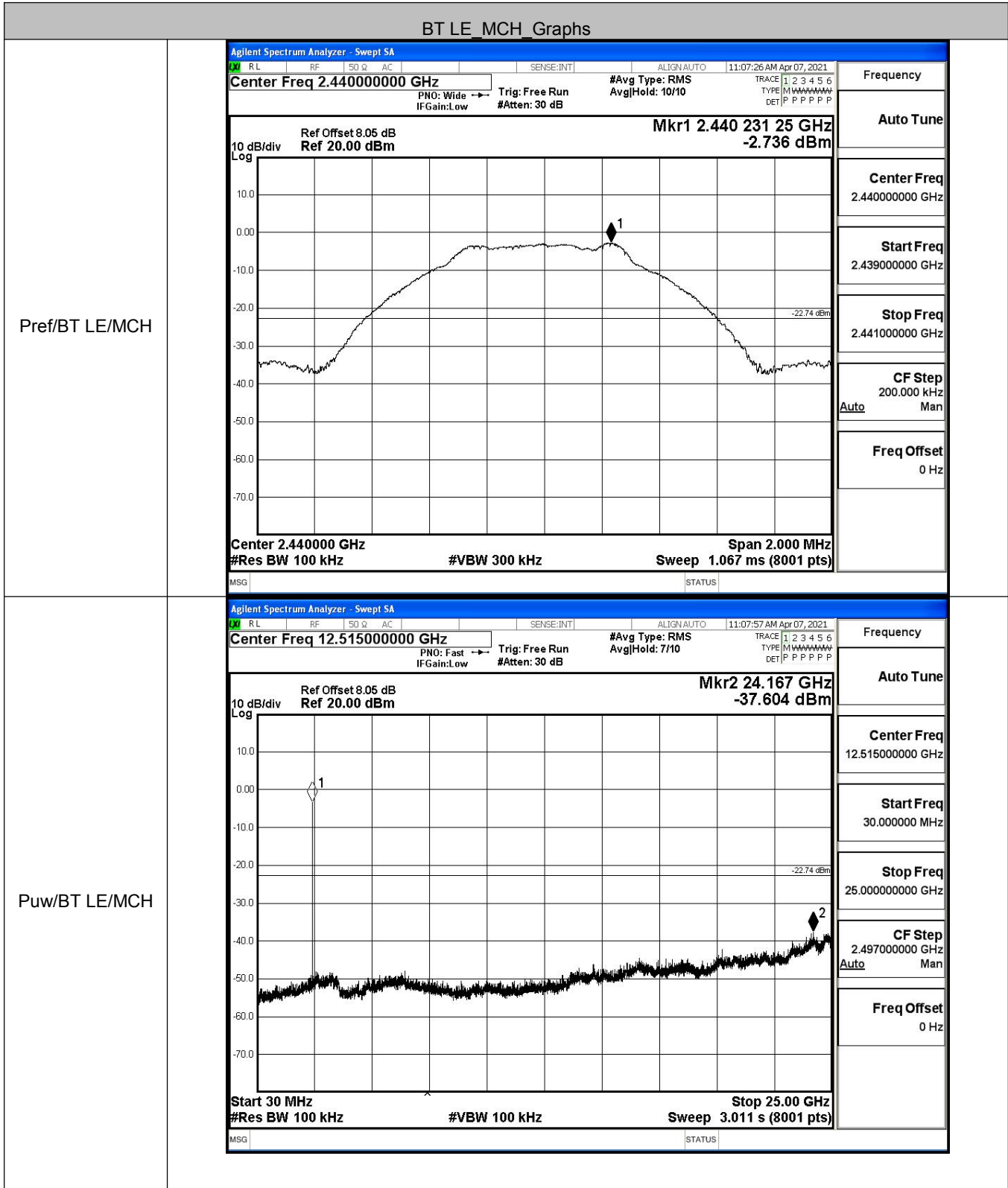


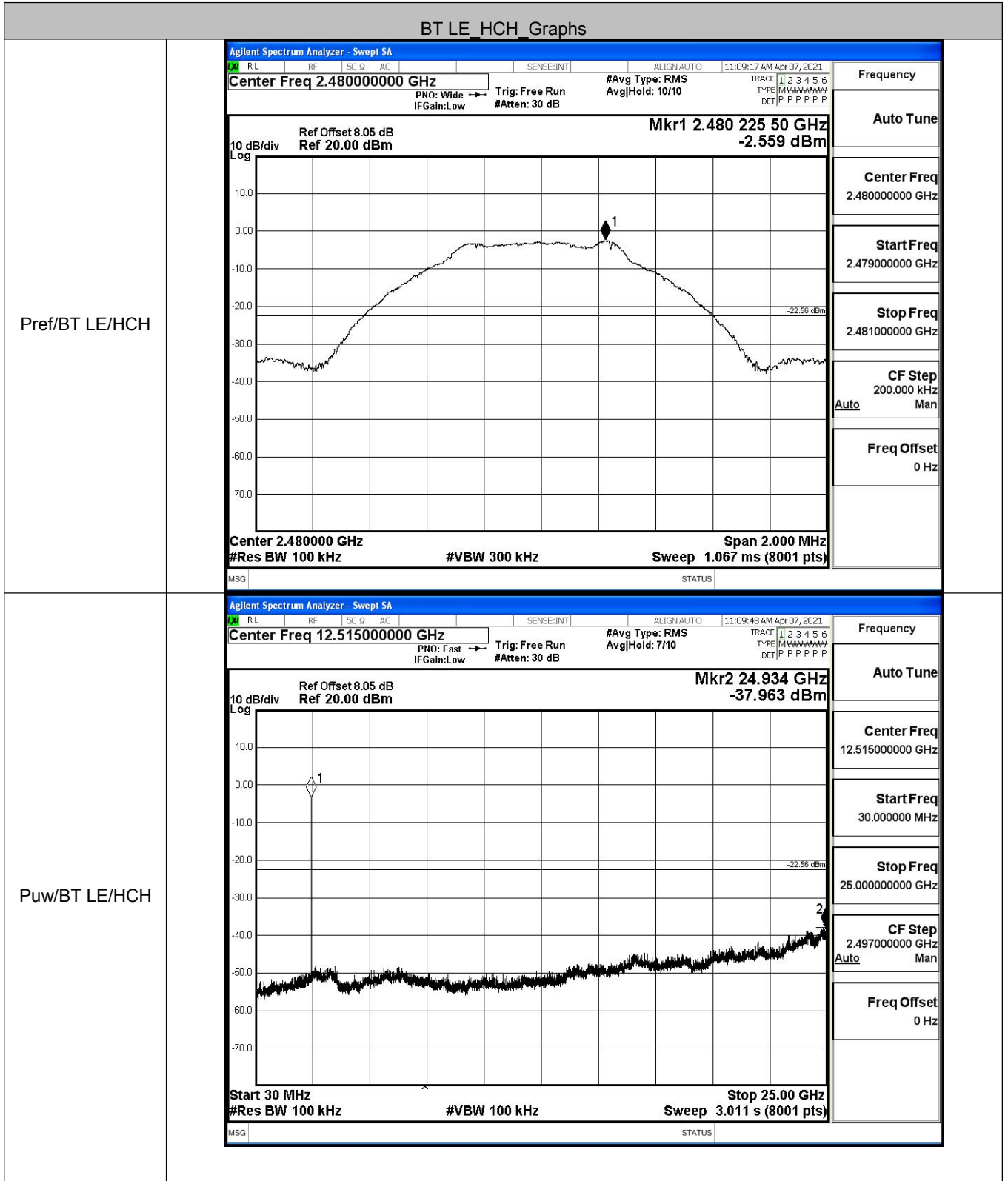
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.675	-37.091	-21.675	PASS
BT LE	MCH	-2.736	-37.604	-22.736	PASS
BT LE	HCH	-2.559	-37.963	-22.559	PASS

BT LE_LCH_Graphs





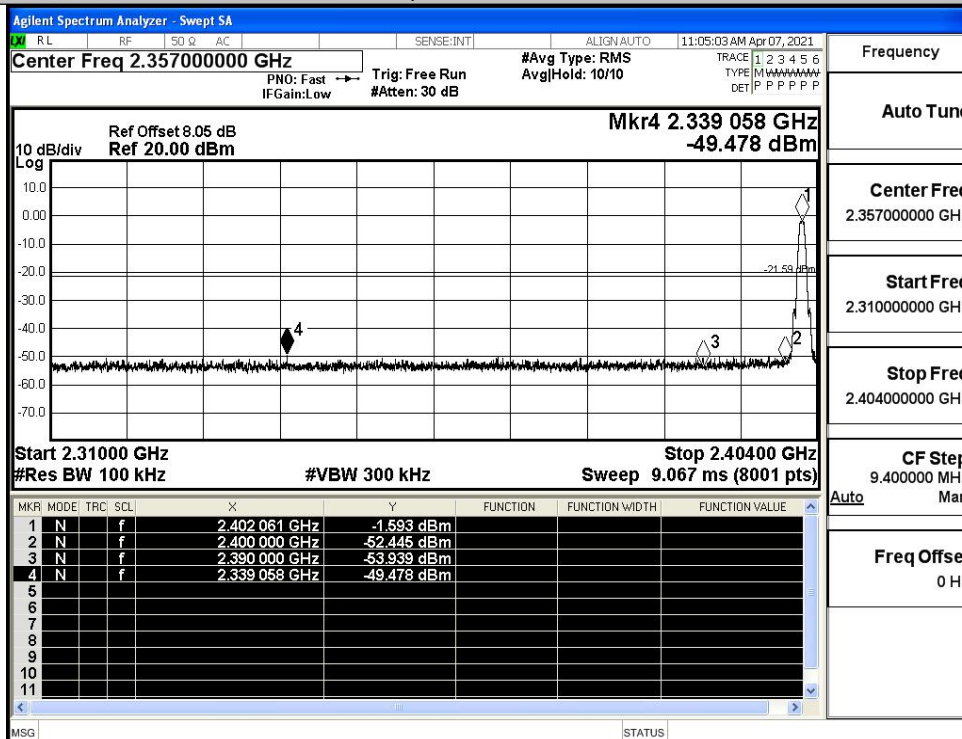


B.6 Band-edge for RF Conducted Emissions

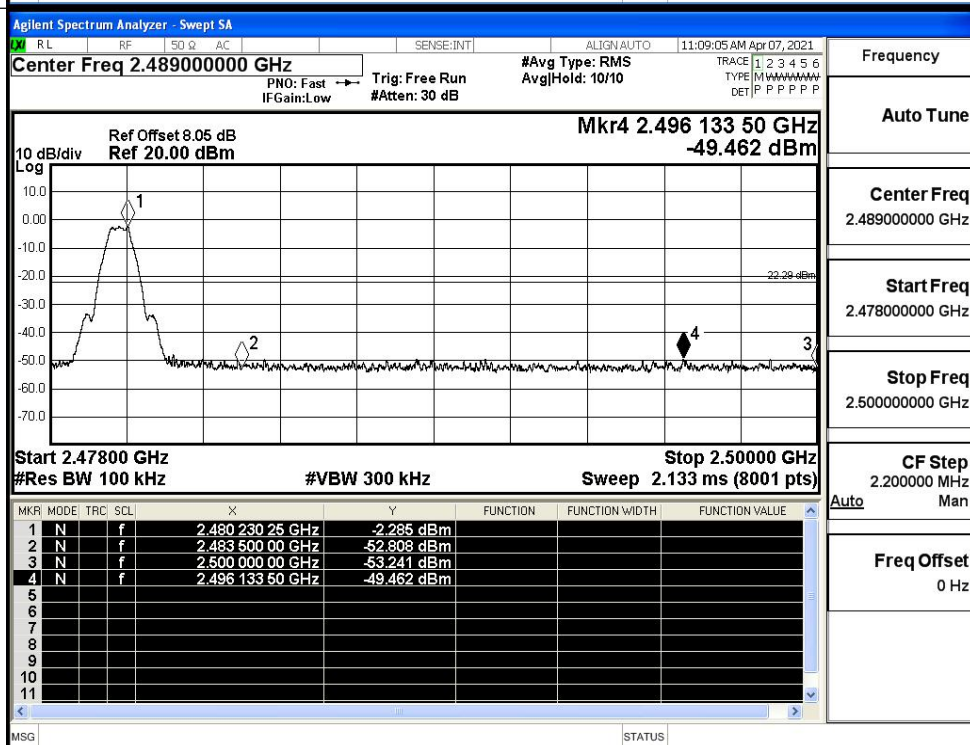
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.593	-49.478	-21.59	PASS
BT LE	HCH	-2.285	-49.462	-22.29	PASS

Test Graphs

LCH



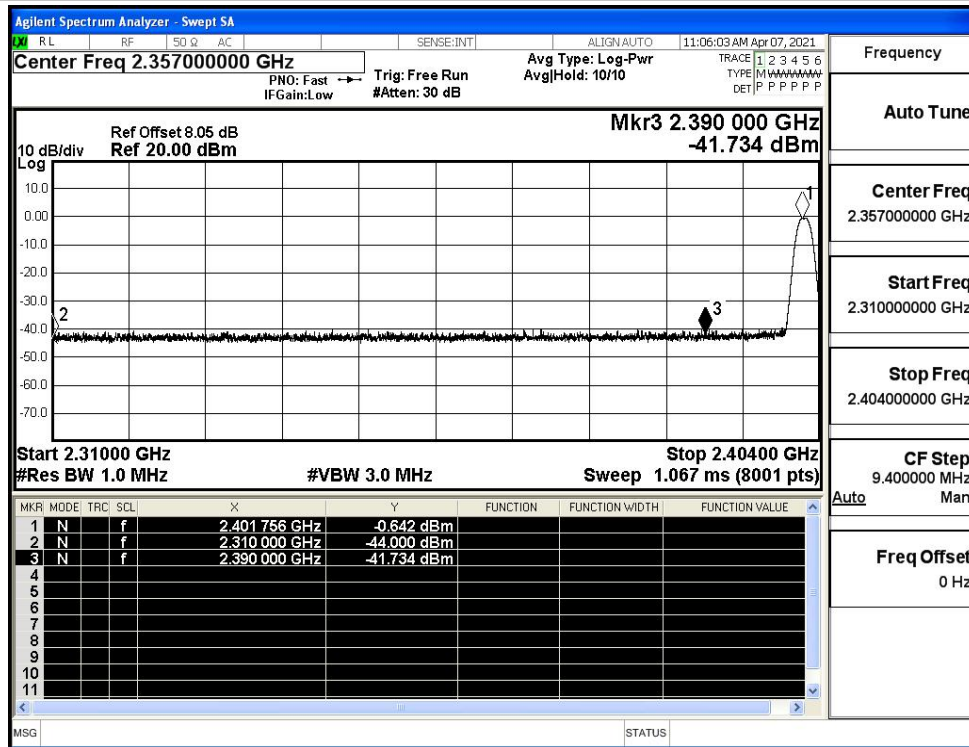
HCH



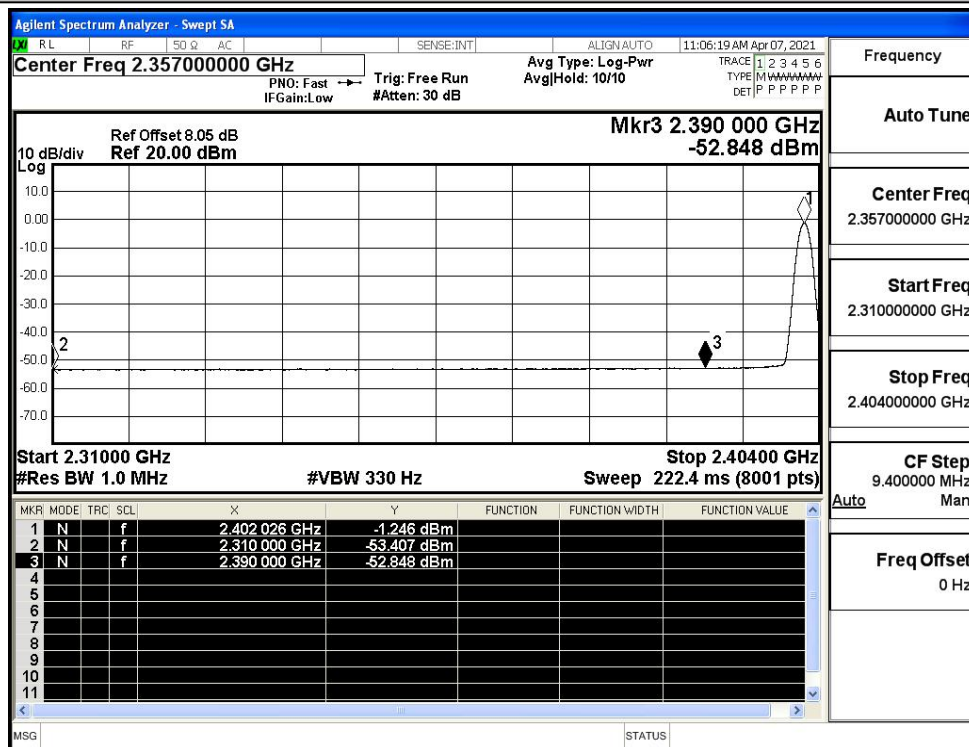
B.7 Restrict-band band-edge measurements

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	-44.00	2.0	0	53.23	PEAK	74	PASS
		Ant1	2310.0	-53.41	2.0	0	43.82	AV	54	PASS
		Ant1	2390.0	-41.73	2.0	0	55.50	PEAK	74	PASS
		Ant1	2390.0	-52.85	2.0	0	44.38	AV	54	PASS
	2480	Ant1	2483.5	-41.96	2.0	0	55.27	PEAK	74	PASS
		Ant1	2483.5	-51.85	2.0	0	45.38	AV	54	PASS
		Ant1	2500.0	-42.71	2.0	0	54.52	PEAK	74	PASS
		Ant1	2500.0	-52.38	2.0	0	44.85	AV	54	PASS

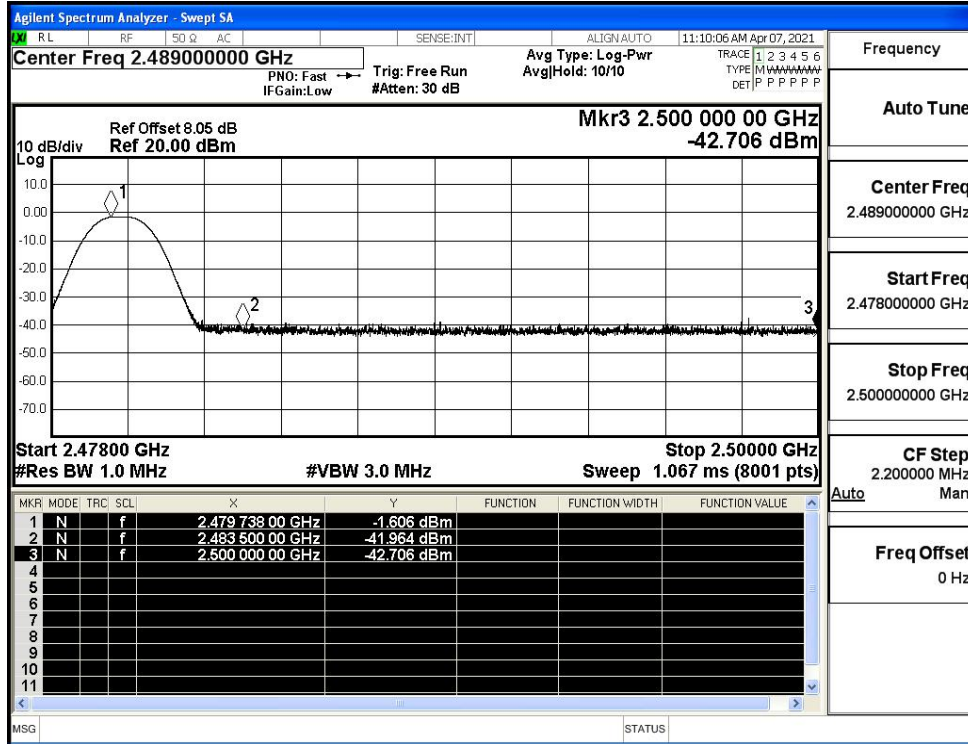
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

