

Appendix B

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

Product Name: Tablet PC

Trade Mark: N/A

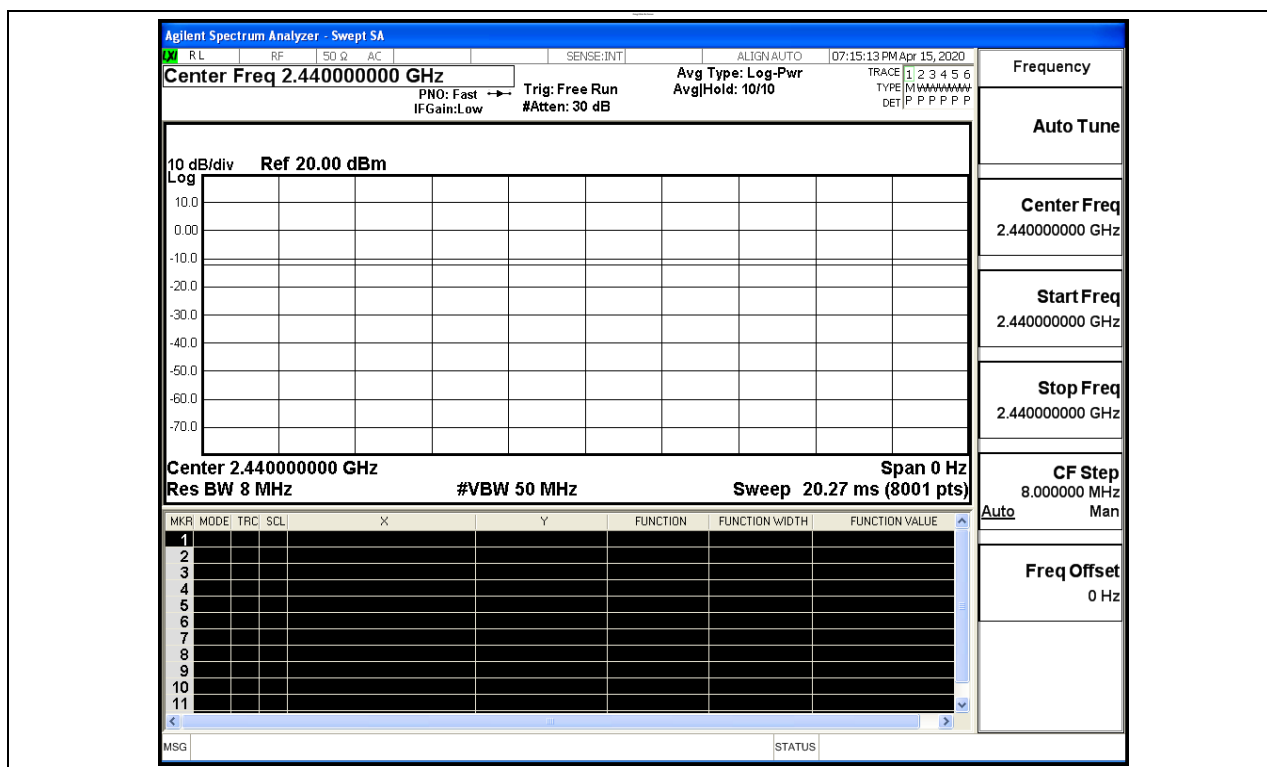
Test Model: W102

Environmental Conditions

Temperature:	22.5°C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Li Huan
Supervised by:	Tom.Liu

B.1 Duty Cycle

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

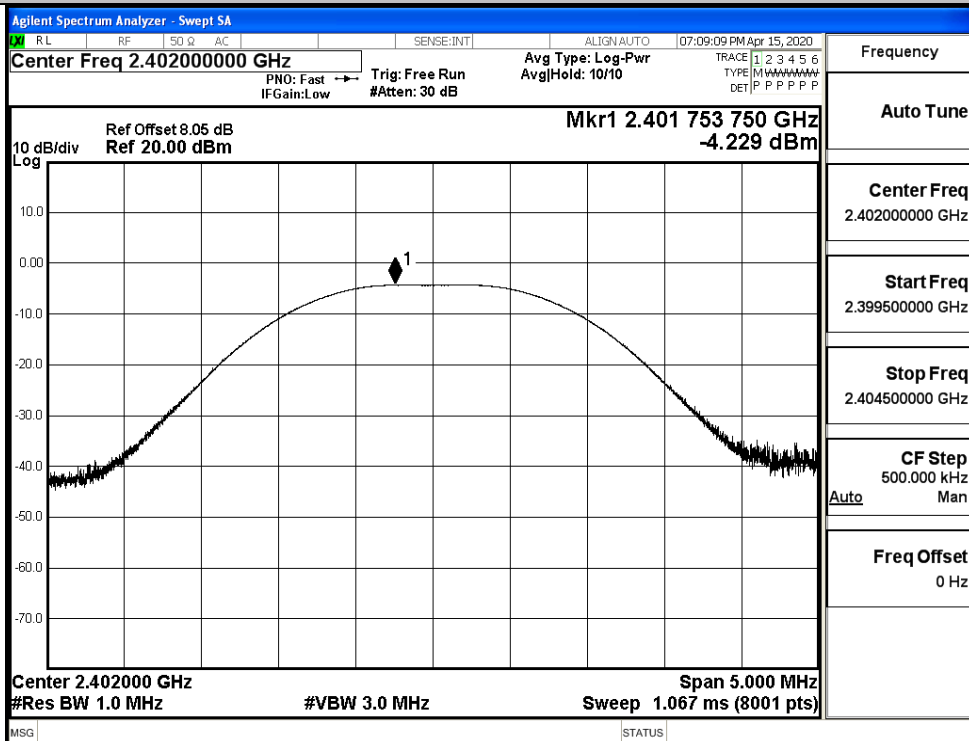


B.2 Maximum Conducted Peak Output Power

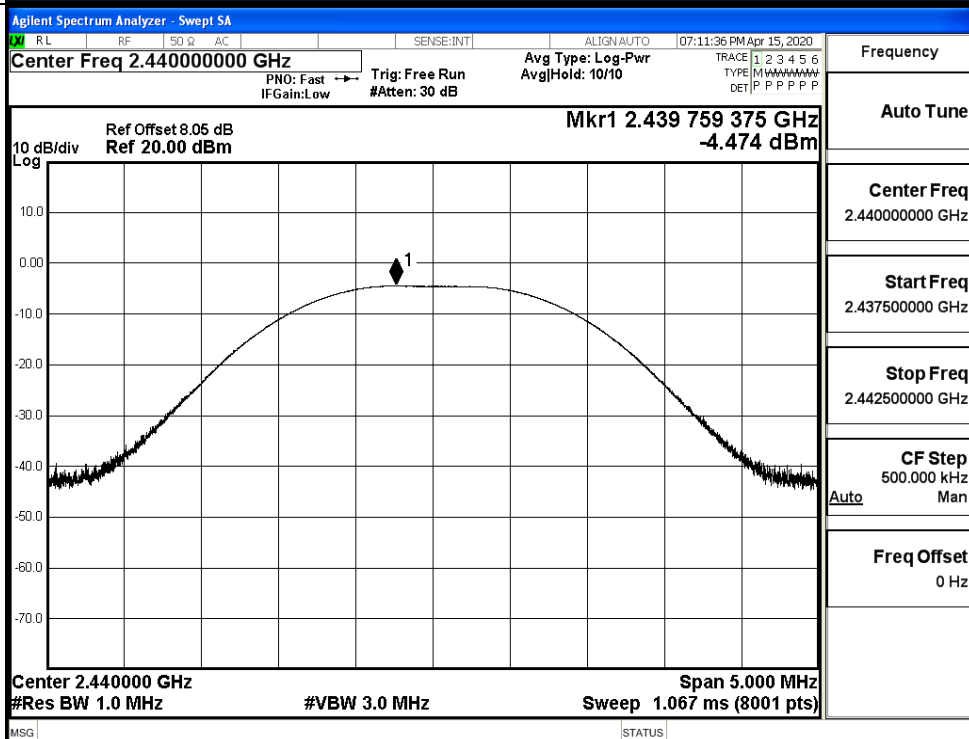
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.229	30	PASS
BT LE	MCH	-4.474	30	PASS
BT LE	HCH	-5.726	30	PASS

Test Graphs

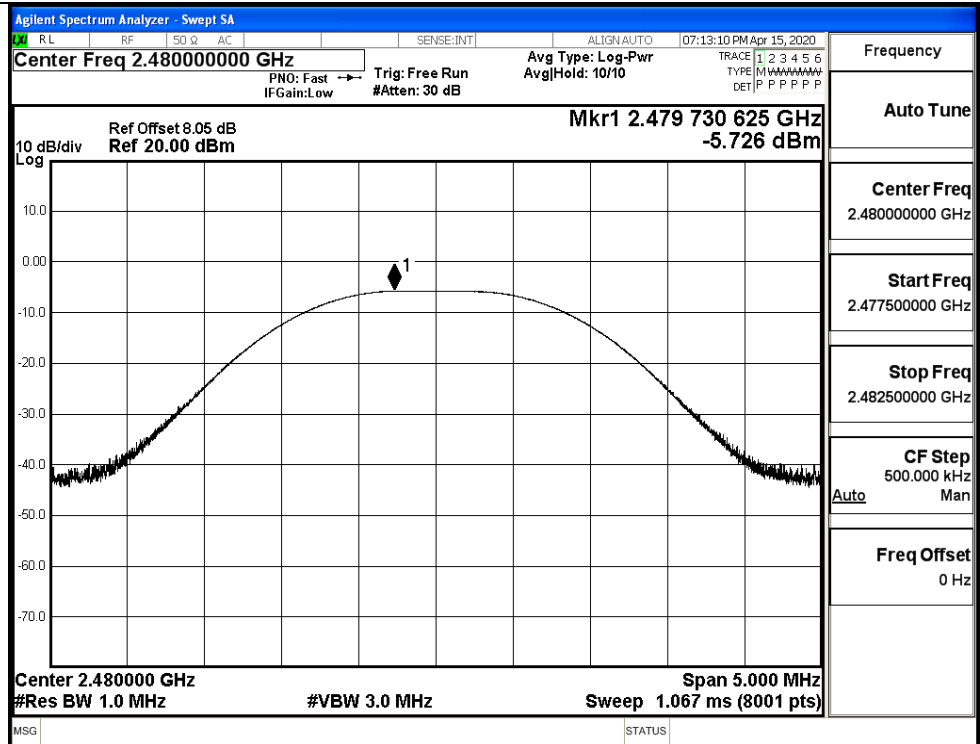
LCH



MCH



HCH

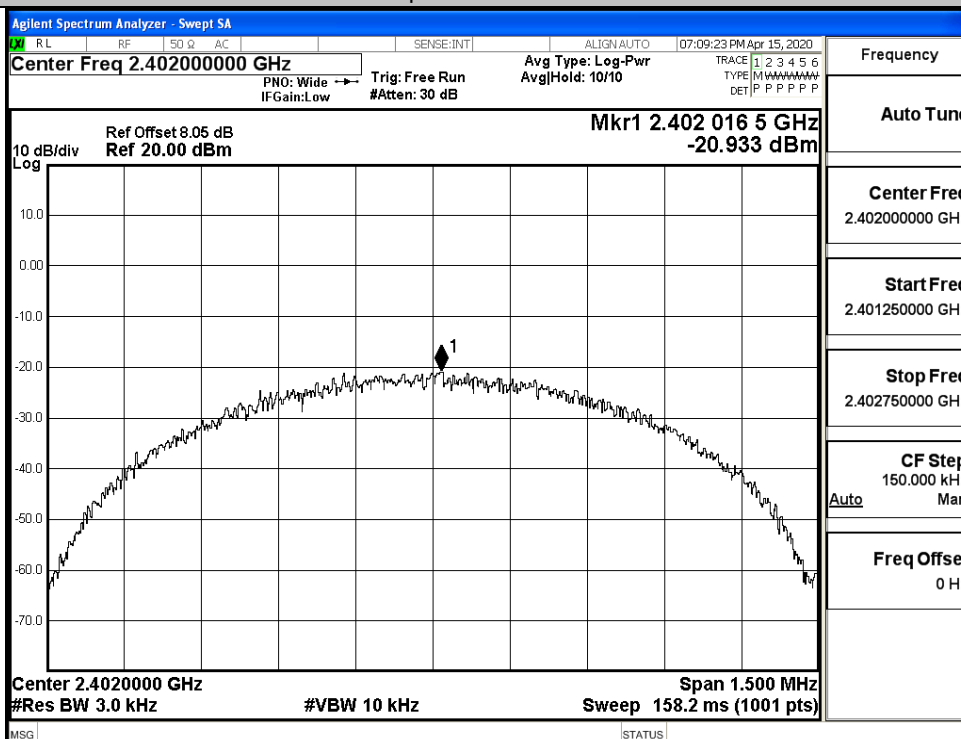


B.3 Maximum Power Spectral Density

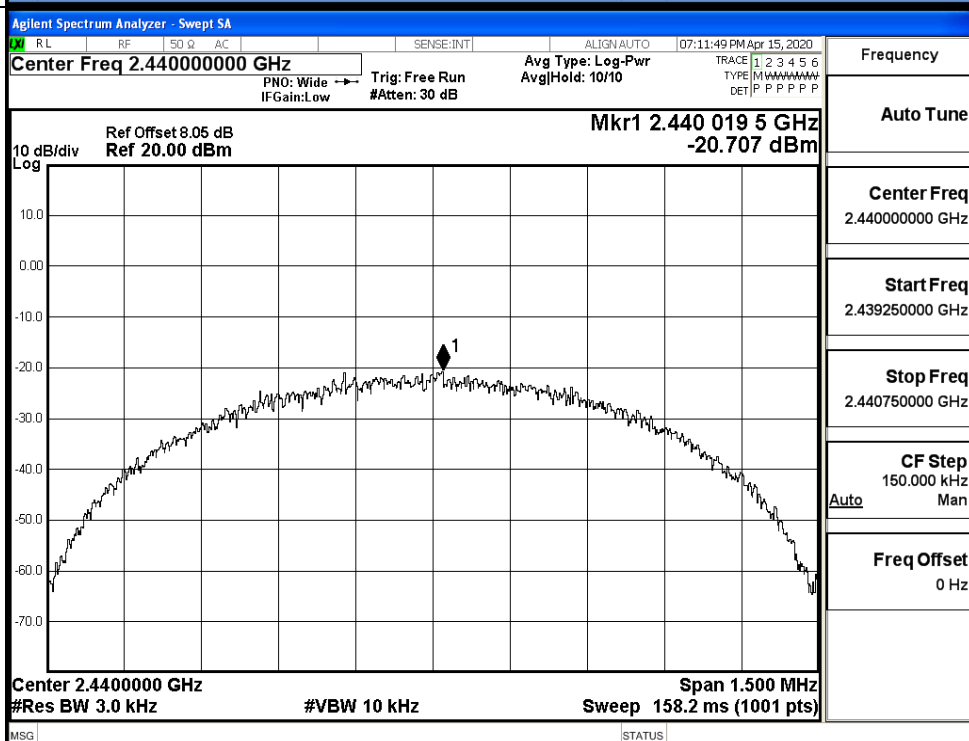
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-20.933	8	PASS
BT LE	MCH	-20.707	8	PASS
BT LE	HCH	-22.055	8	PASS

Test Graphs

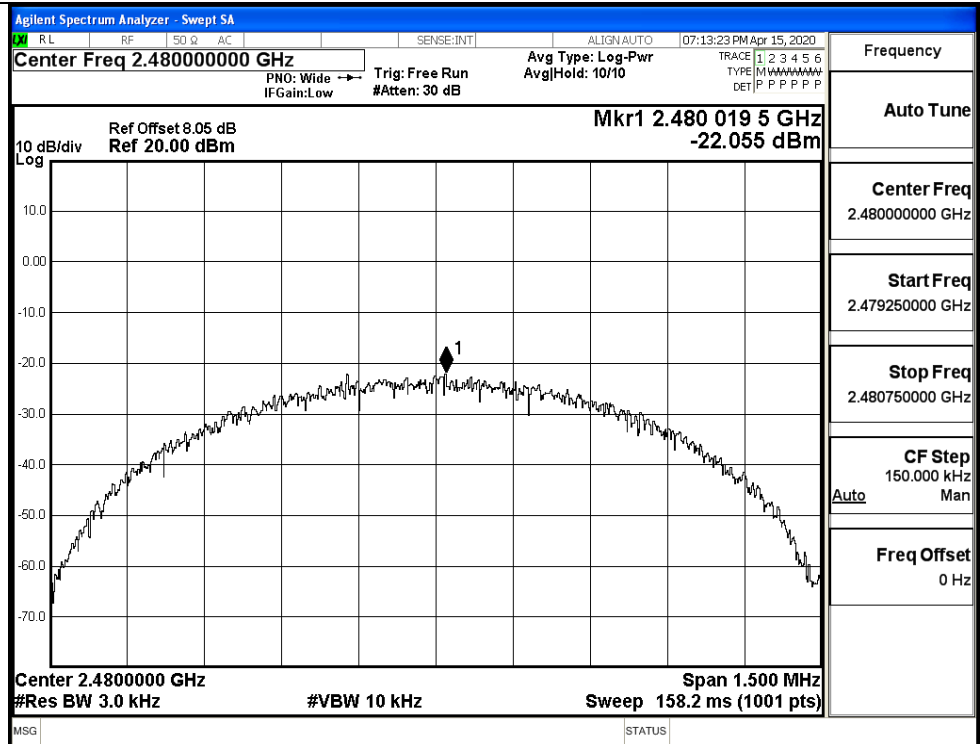
LCH



MCH



HCH

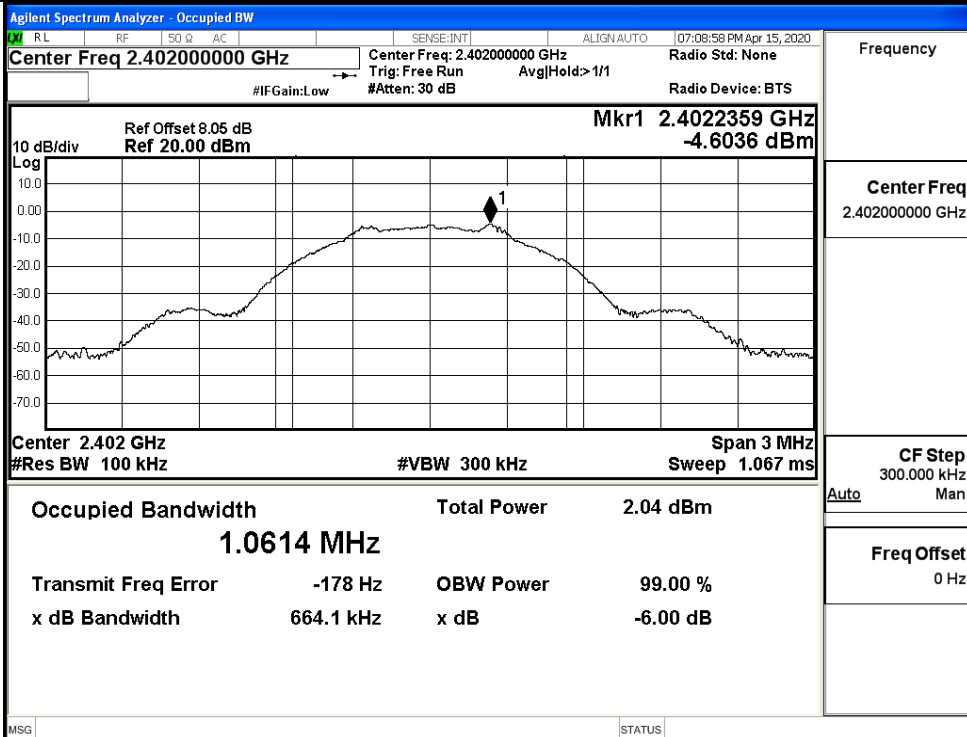


B.4 6dB Bandwidth

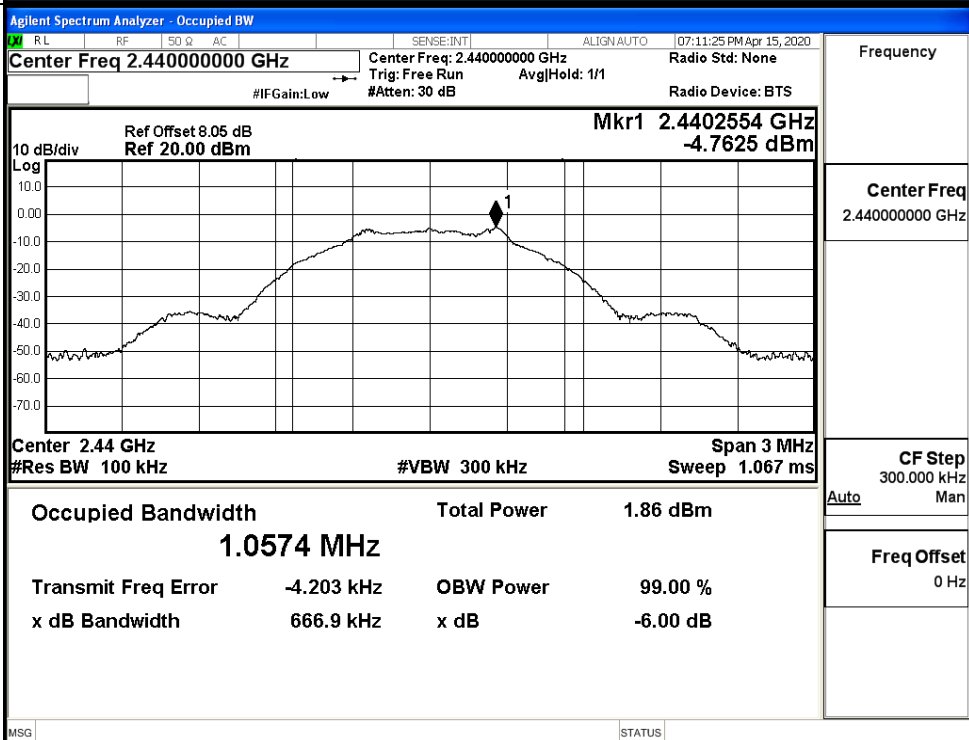
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6641	≥ 0.5	PASS
BT LE	MCH	0.6669	≥ 0.5	PASS
BT LE	HCH	0.6657	≥ 0.5	PASS

Test Graphs

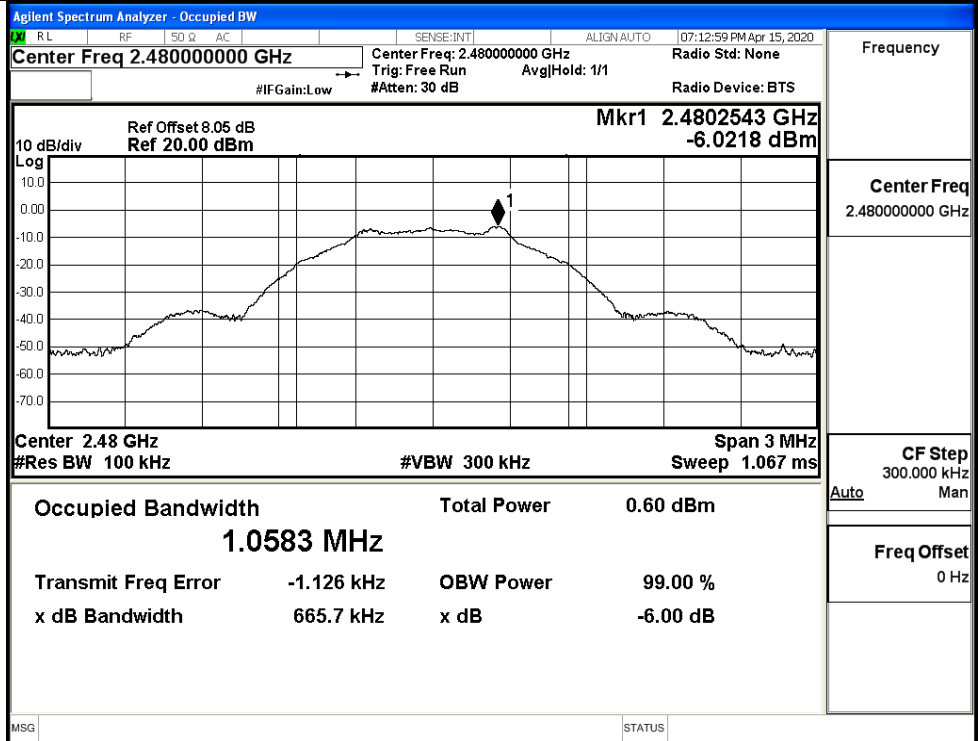
LCH



MCH



HCH

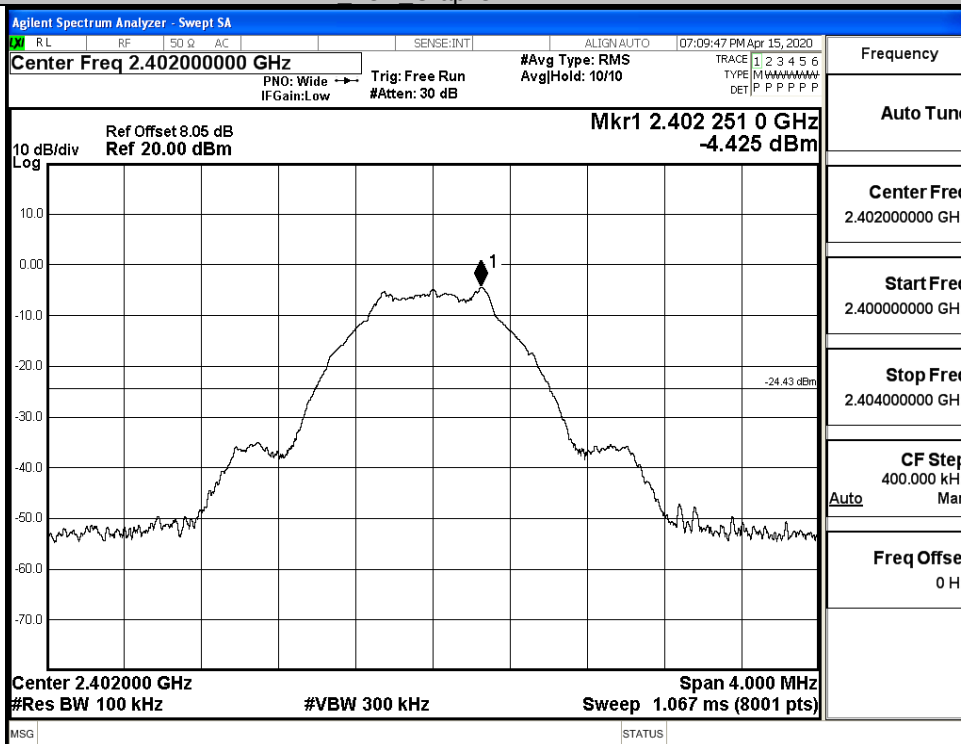


B.5 RF Conducted Spurious Emissions

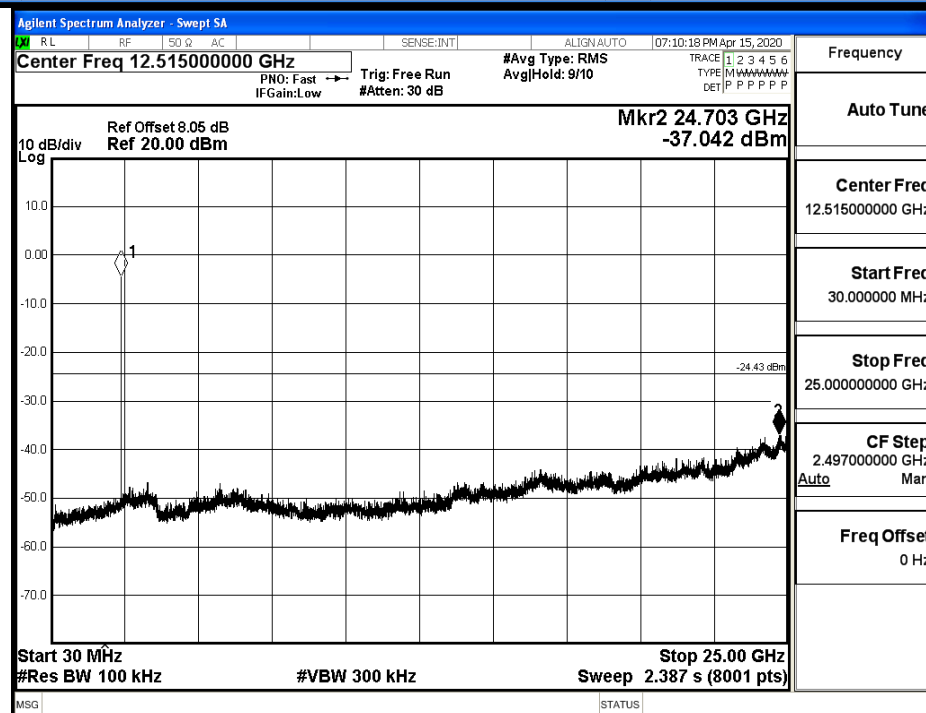
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.425	-37.042	-24.425	PASS
BT LE	MCH	-4.765	-36.382	-24.765	PASS
BT LE	HCH	-5.955	-36.643	-25.955	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

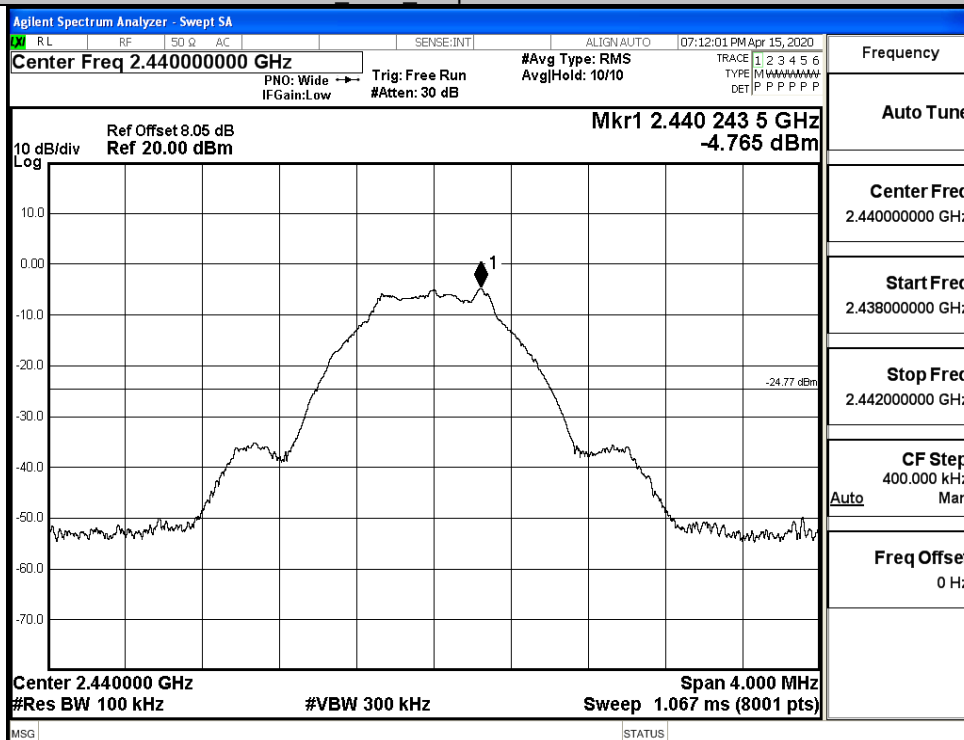


Puw/BT LE/LCH

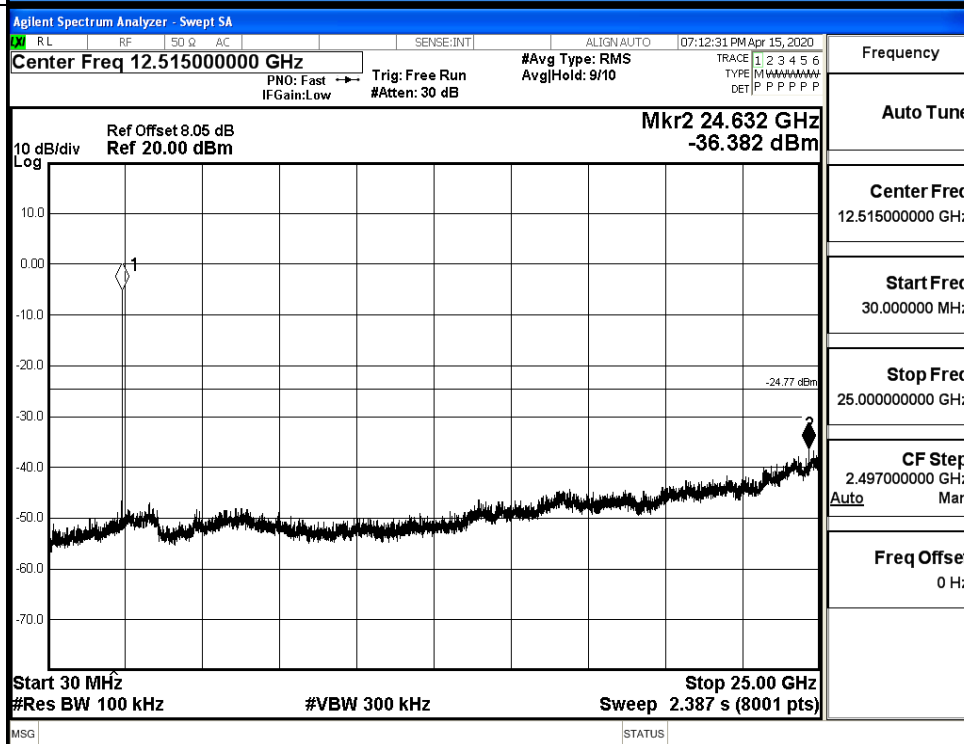


BT LE MCH Graphs

Pref/BT LE/MCH

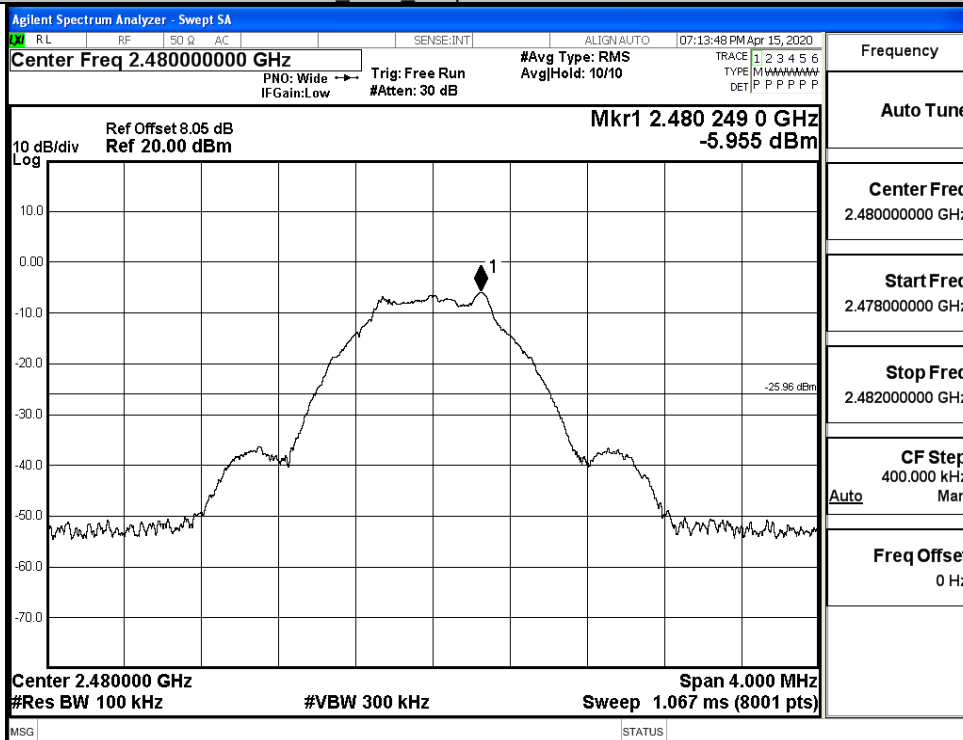


Puw/BT LE/MCH

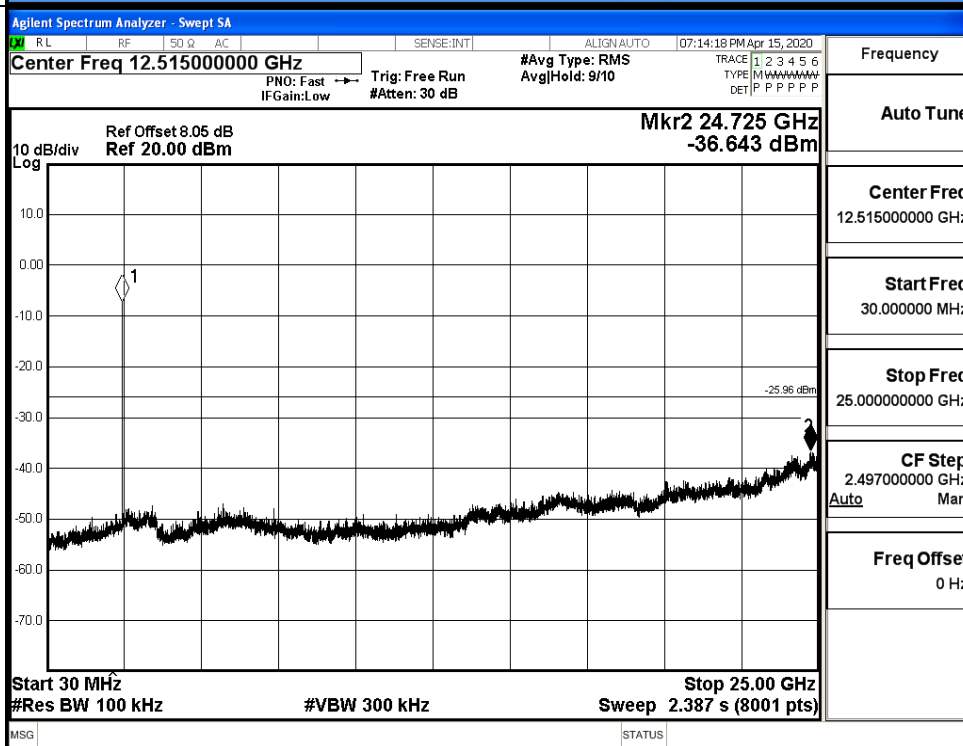


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

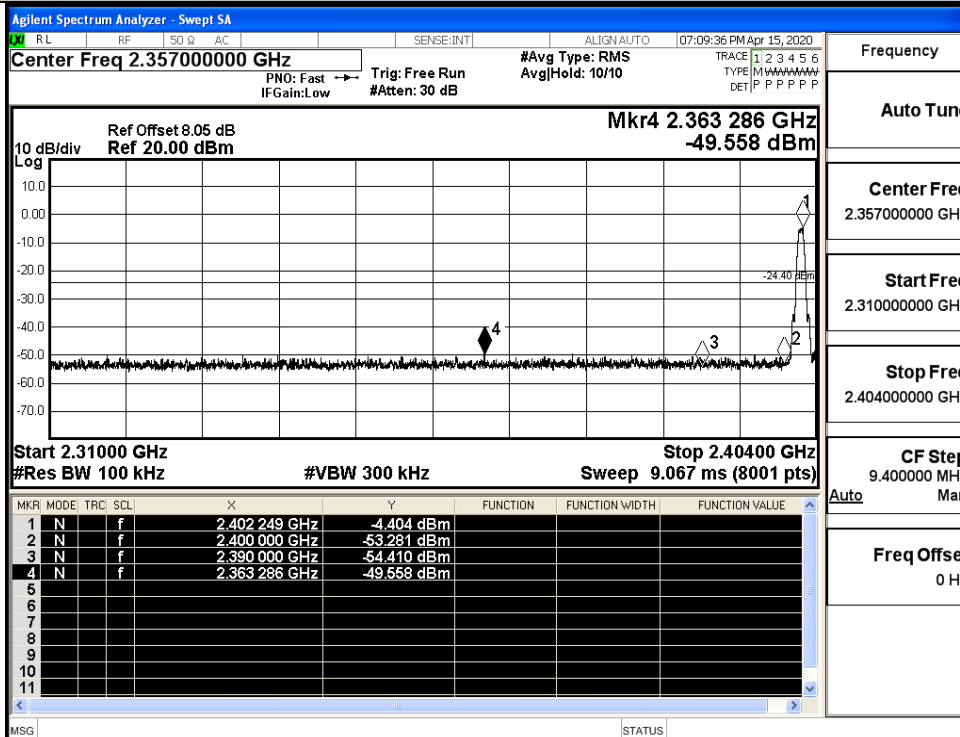


B.6 Band-edge for RF Conducted Emissions

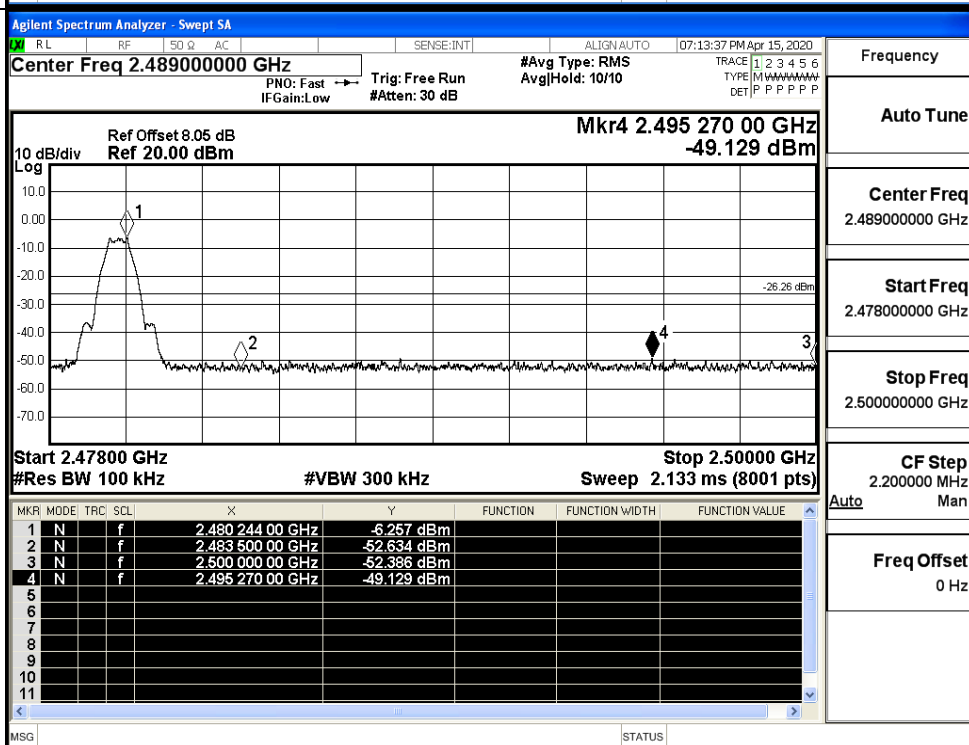
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.404	-49.558	-24.4	PASS
BT LE	HCH	-6.257	-49.129	-26.26	PASS

Test Graphs

LCH



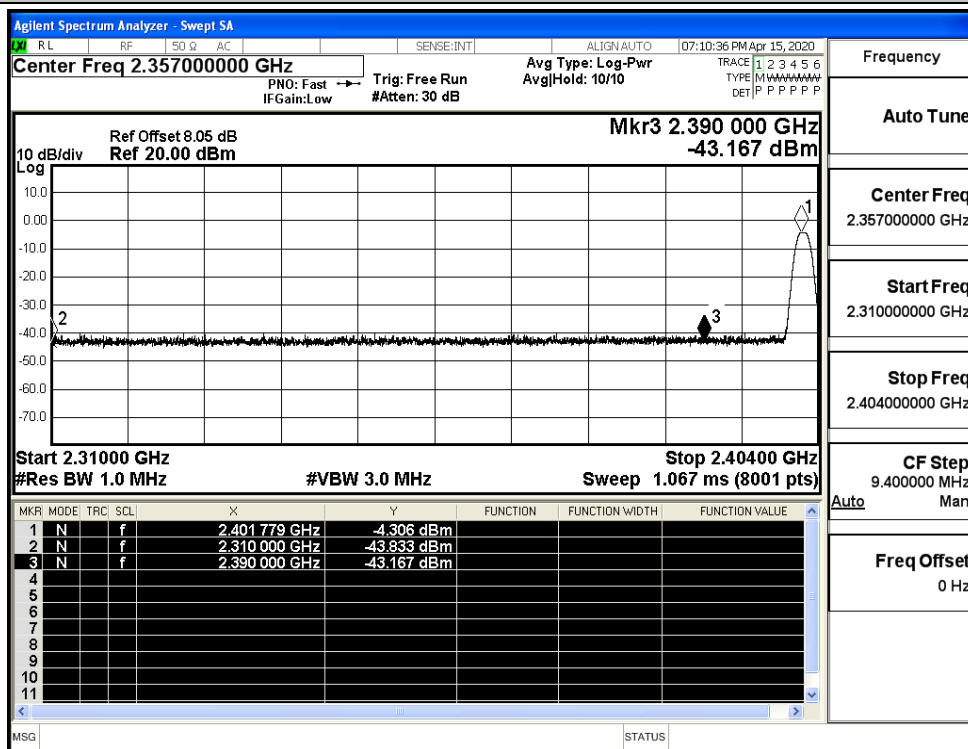
HCH



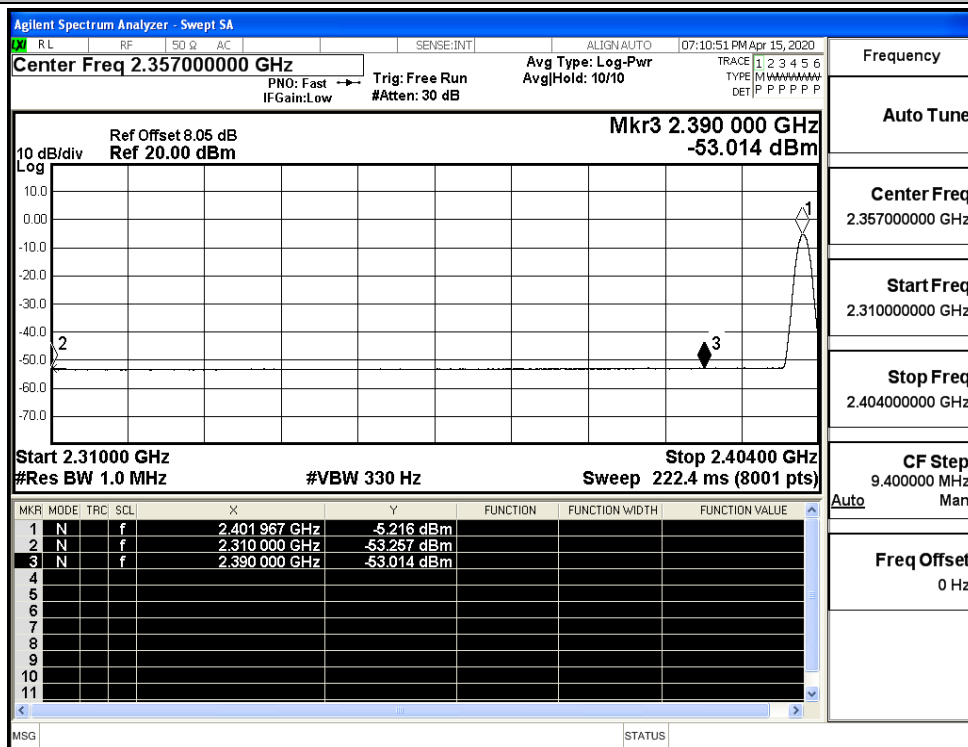
B.7 Restrict-band band-edge measurements

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	-43.83	2.0	0	53.40	PEAK	74	PASS
		Ant1	2310.0	-53.26	2.0	0	43.97	AV	54	PASS
		Ant1	2390.0	-43.17	2.0	0	54.06	PEAK	74	PASS
		Ant1	2390.0	-53.01	2.0	0	44.22	AV	54	PASS
	2480	Ant1	2483.5	-41.97	2.0	0	55.26	PEAK	74	PASS
		Ant1	2483.5	-52.40	2.0	0	44.83	AV	54	PASS
		Ant1	2500.0	-42.05	2.0	0	55.18	PEAK	74	PASS
		Ant1	2500.0	-52.23	2.0	0	45.00	AV	54	PASS

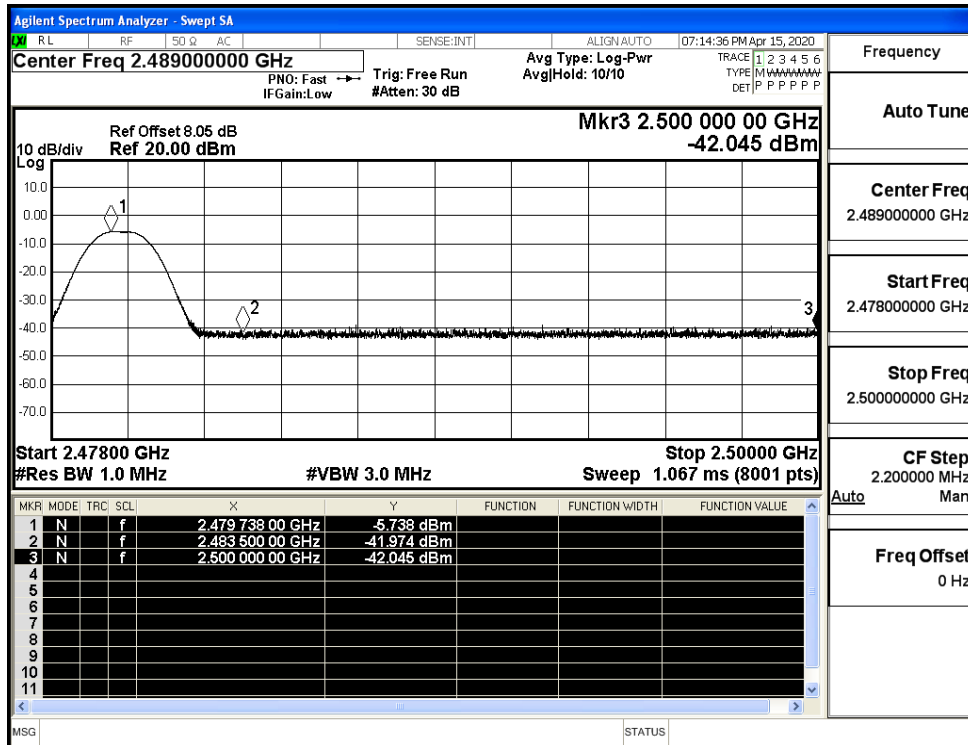
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

