

Appendix A

RF Test Data for BT V4.2(BLE) (Conducted Measurement)

Product Name: Legends Gamer Mini

Trade Mark: N/A

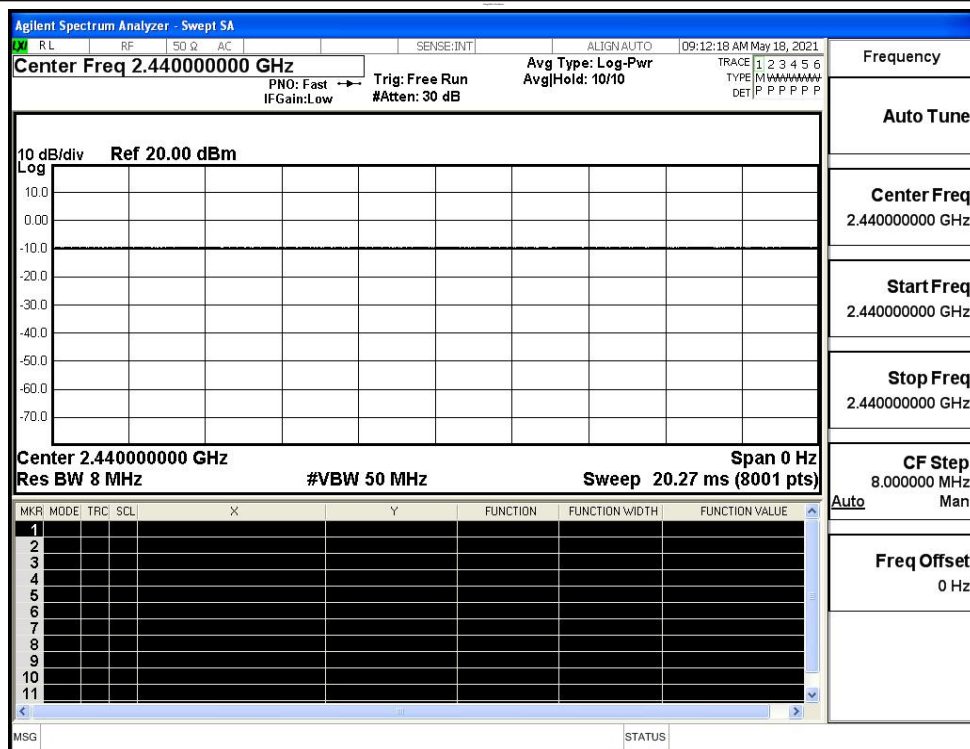
Test Model: HA2801S

Environmental Conditions

Temperature:	24.2 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

A.1 Duty Cycle

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

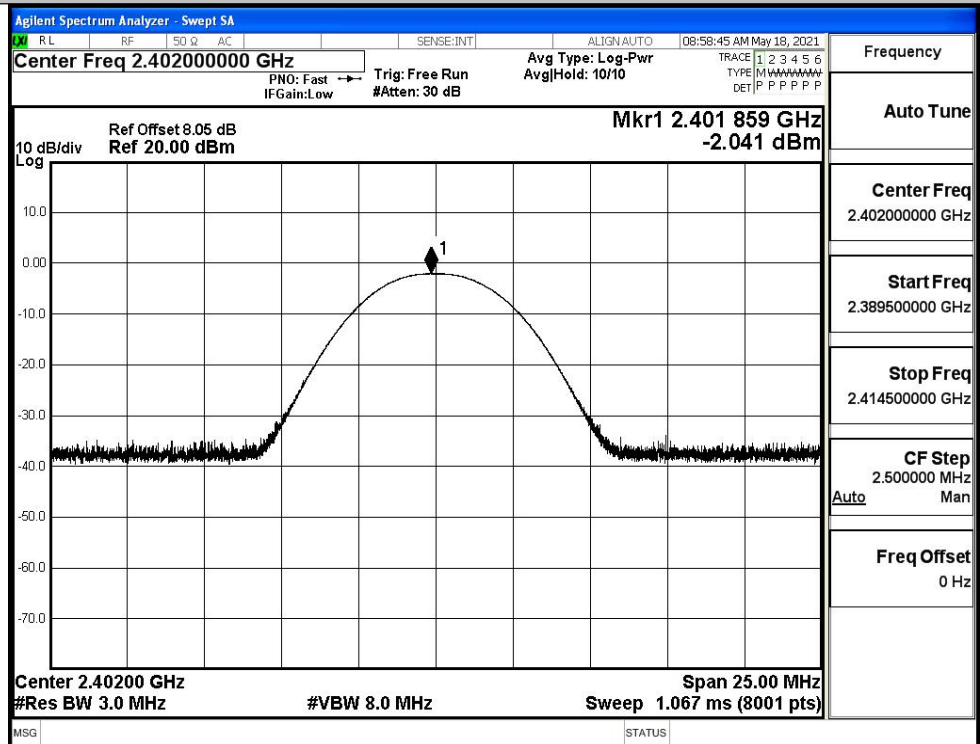


A.2 Maximum Conducted Peak Output Power

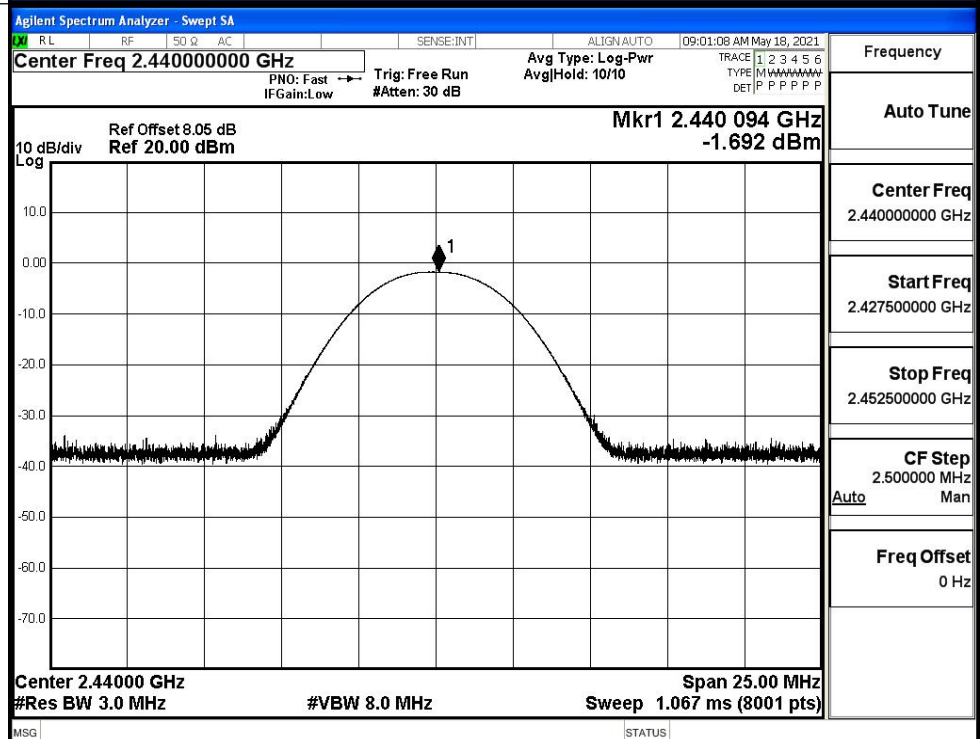
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.041	30	PASS
BT LE	MCH	-1.692	30	PASS
BT LE	HCH	-1.727	30	PASS

Test Graphs

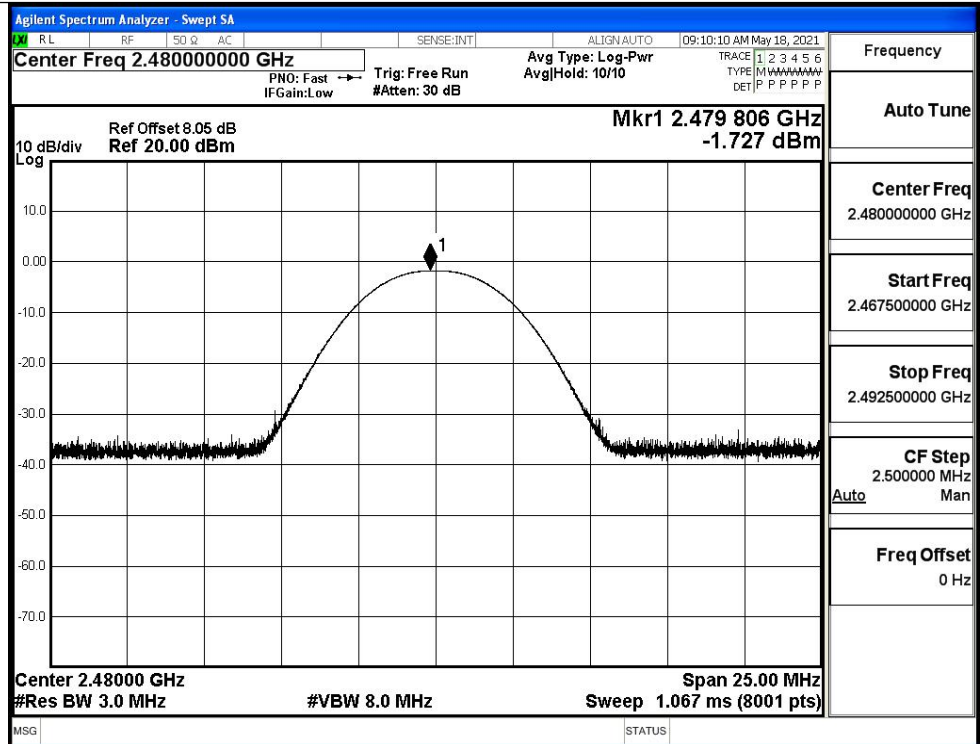
LCH



MCH



HCH

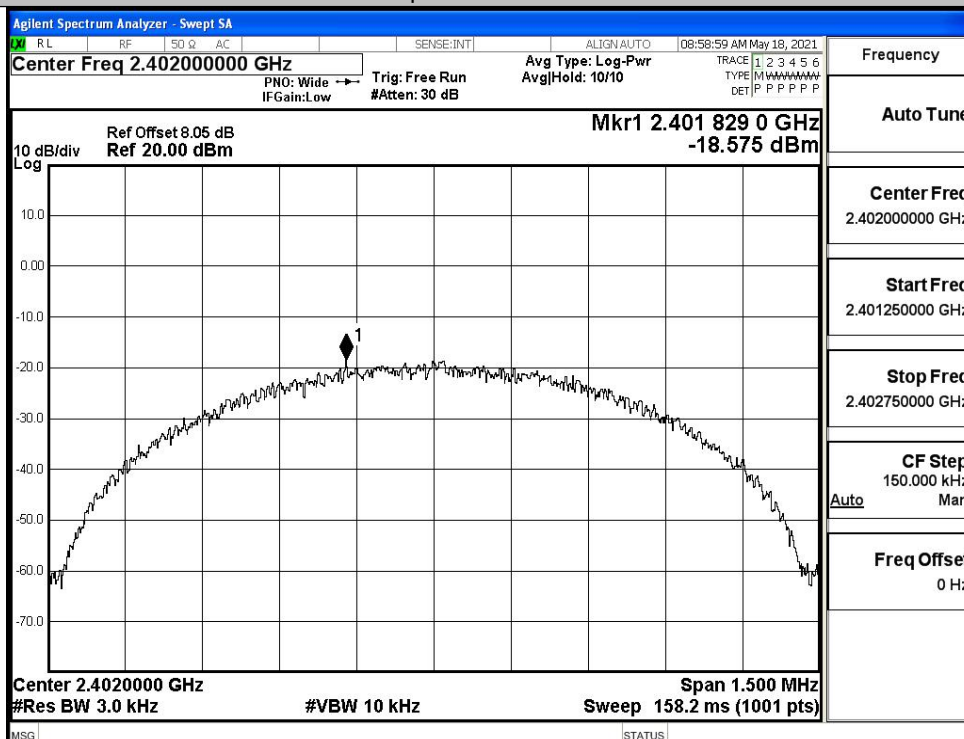


A.3 Maximum Power Spectral Density

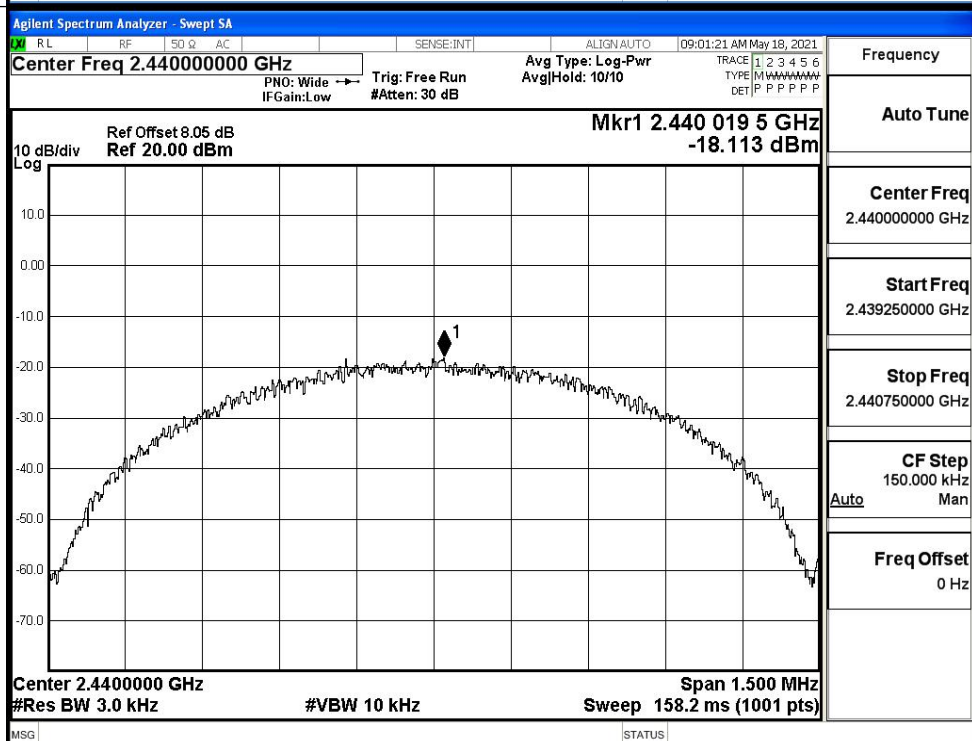
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-18.575	8	PASS
BT LE	MCH	-18.113	8	PASS
BT LE	HCH	-18.221	8	PASS

Test Graphs

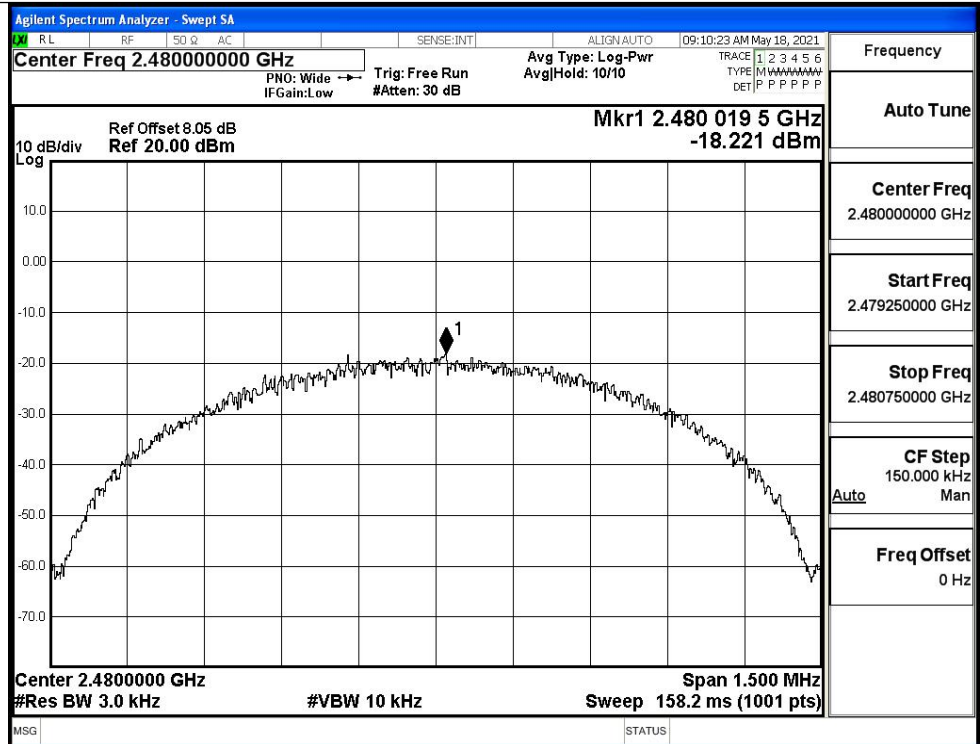
LCH



MCH



HCH

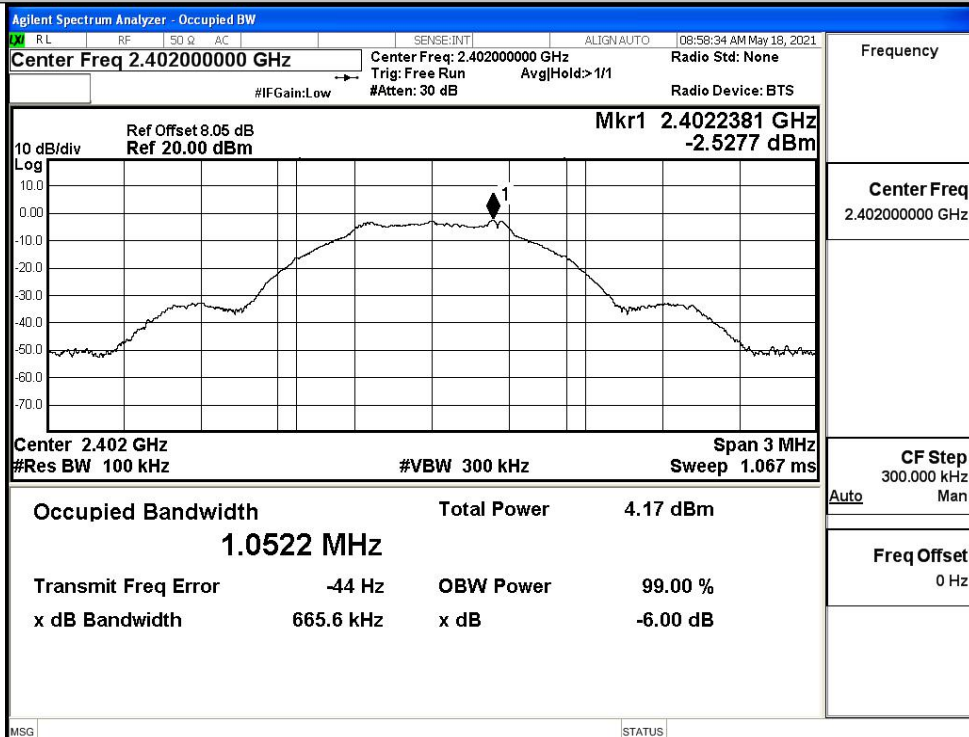


A.4 6dB Bandwidth

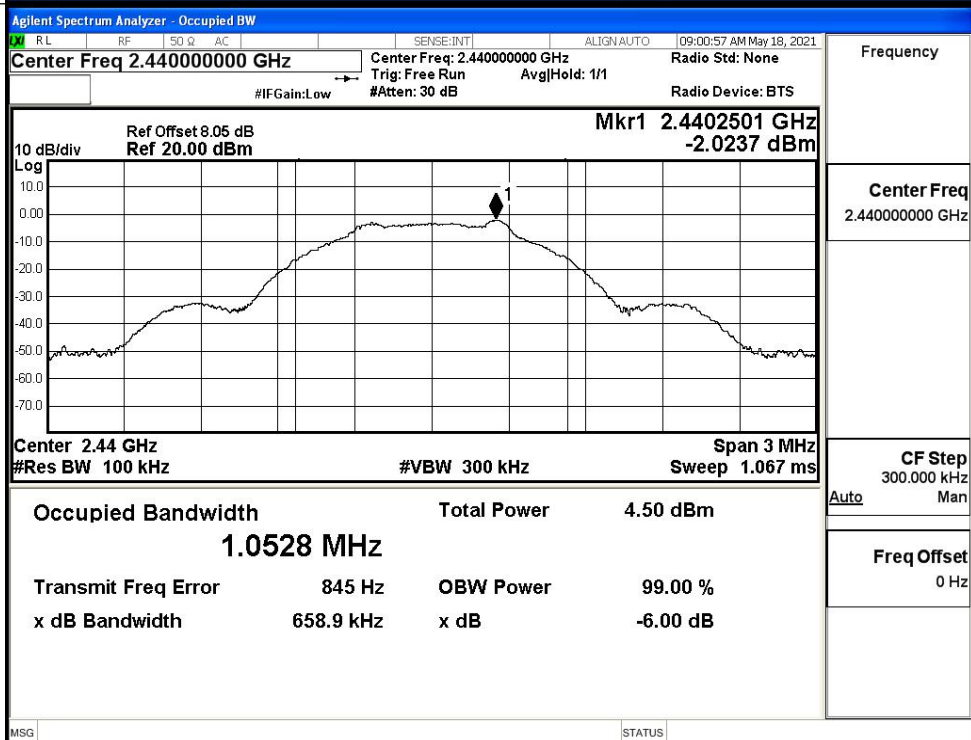
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6656	≥ 0.5	PASS
BT LE	MCH	0.6589	≥ 0.5	PASS
BT LE	HCH	0.6692	≥ 0.5	PASS

Test Graphs

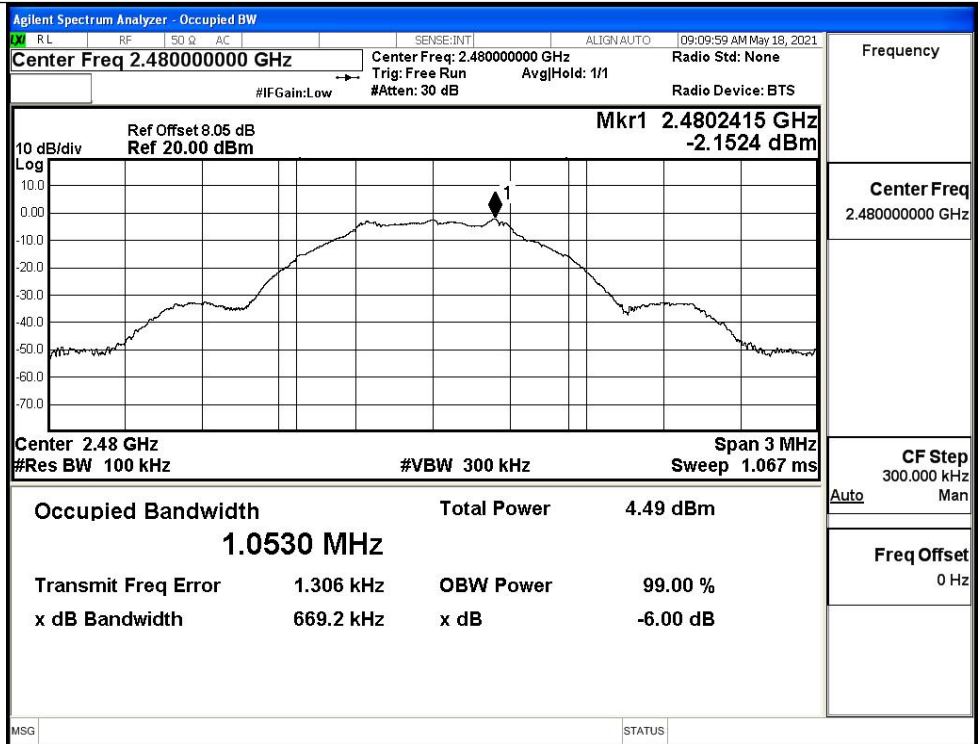
LCH



MCH



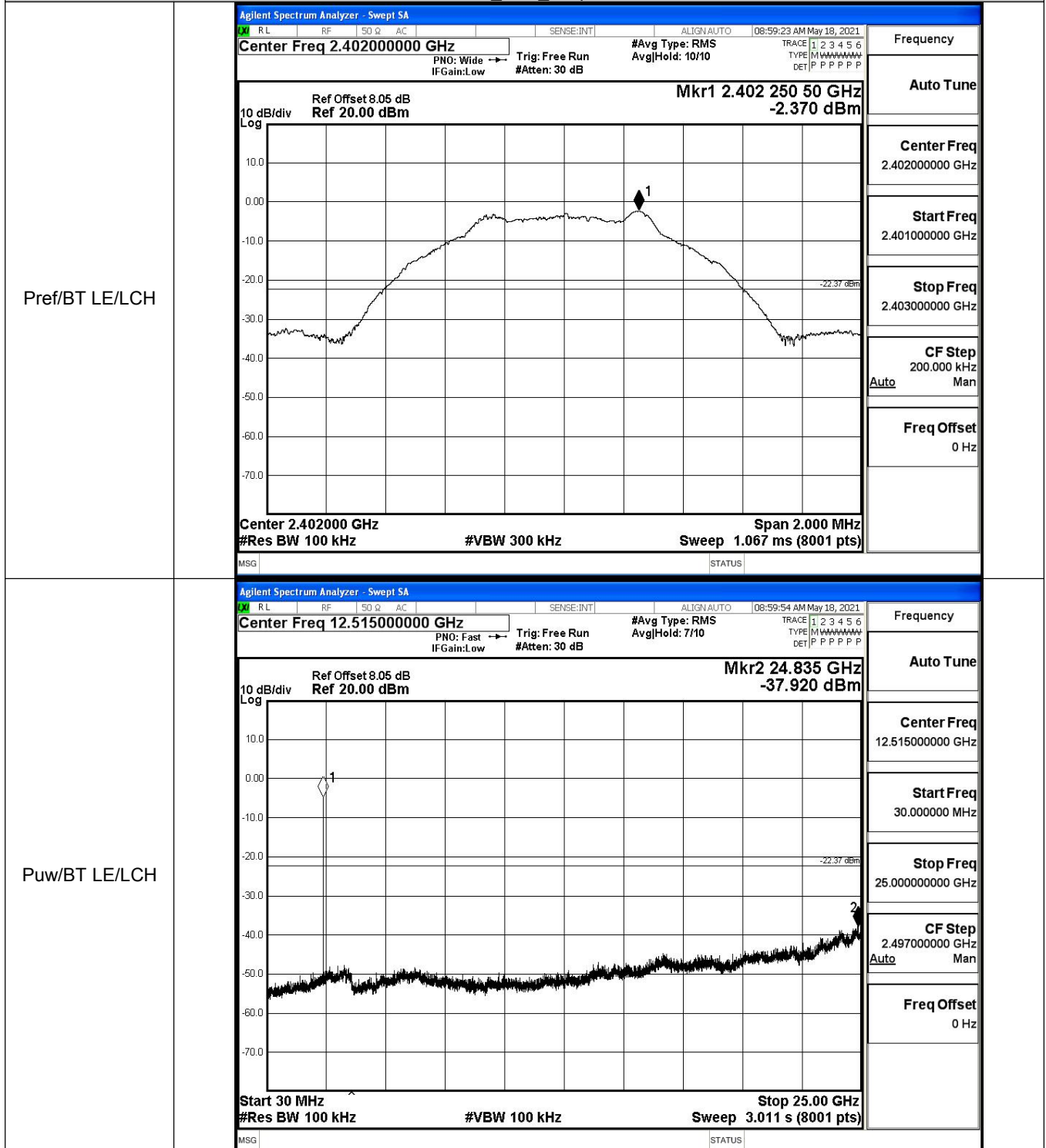
HCH



A.6 RF Conducted Spurious Emissions

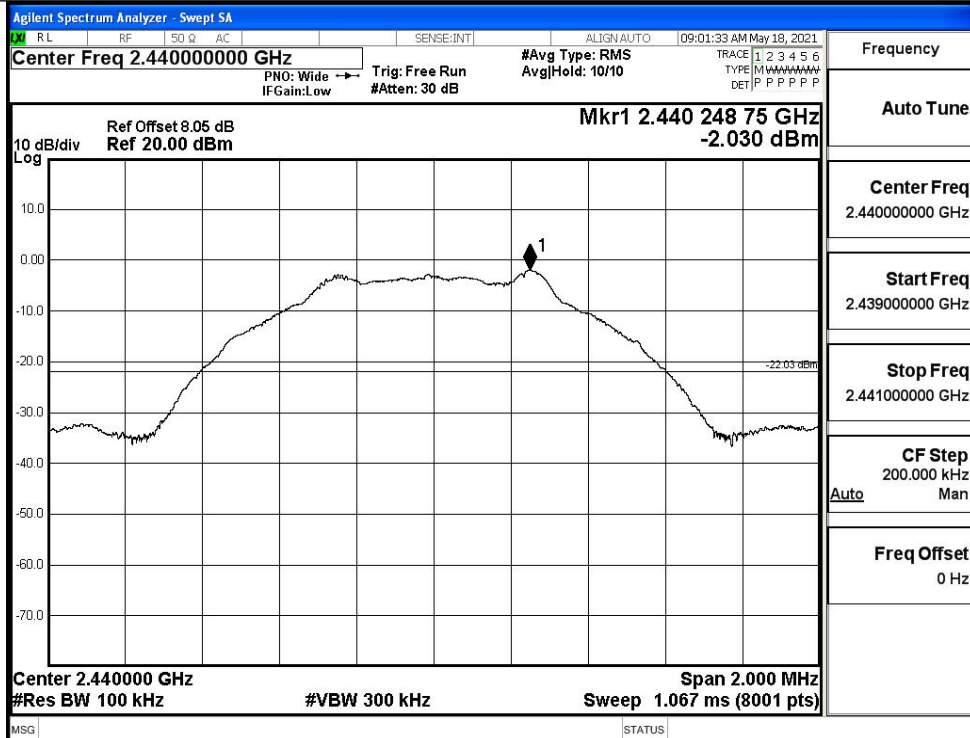
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.37	-37.920	-22.370	PASS
BT LE	MCH	-2.03	-37.096	-22.030	PASS
BT LE	HCH	-2.134	-38.113	-22.134	PASS

BT LE_LCH_Graphs

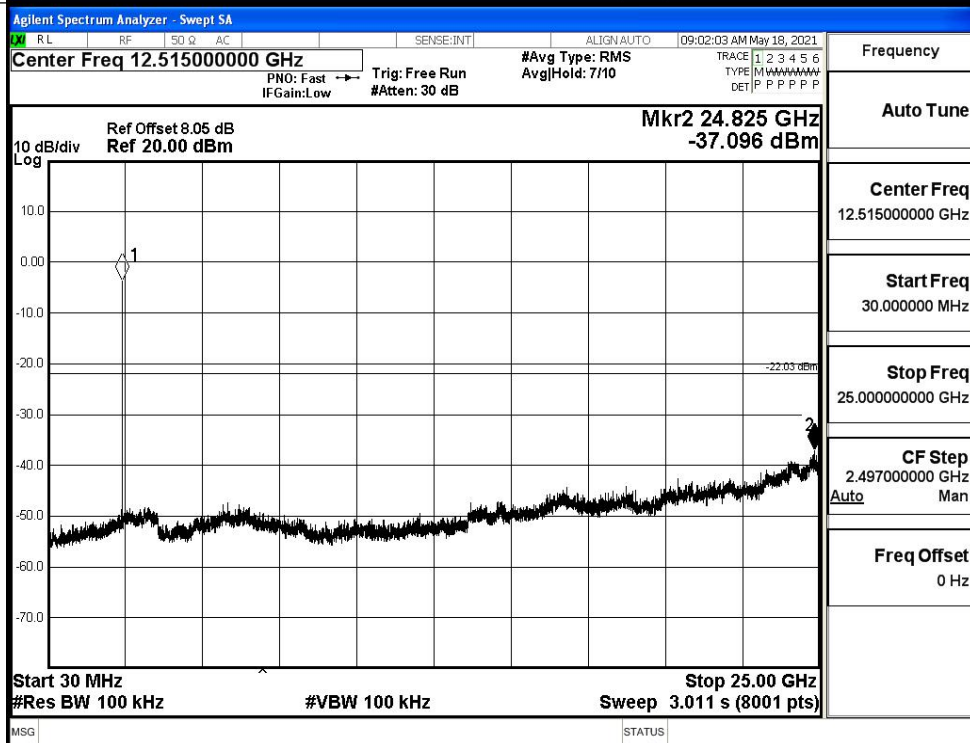


BT LE MCH Graphs

Pref/BT LE/MCH

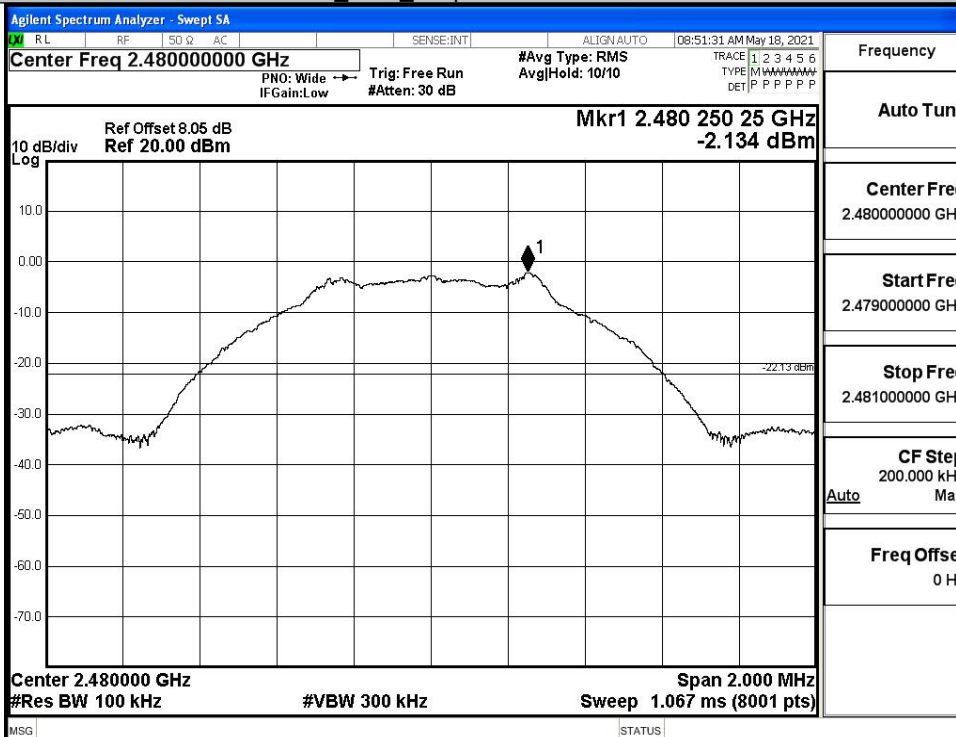


Puw/BT LE/MCH

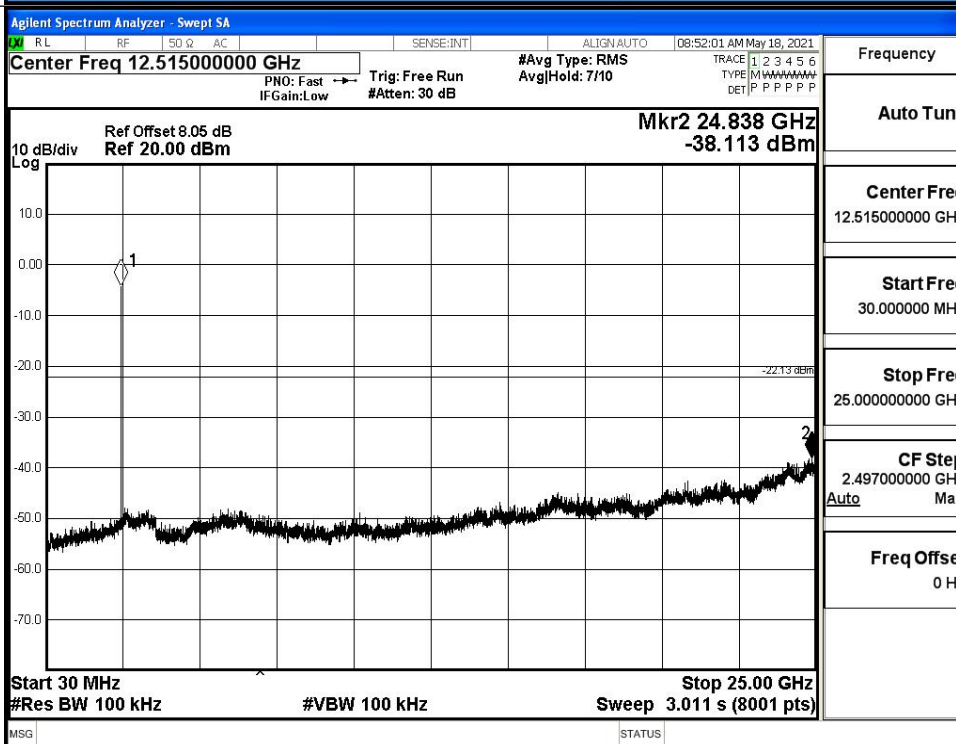


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

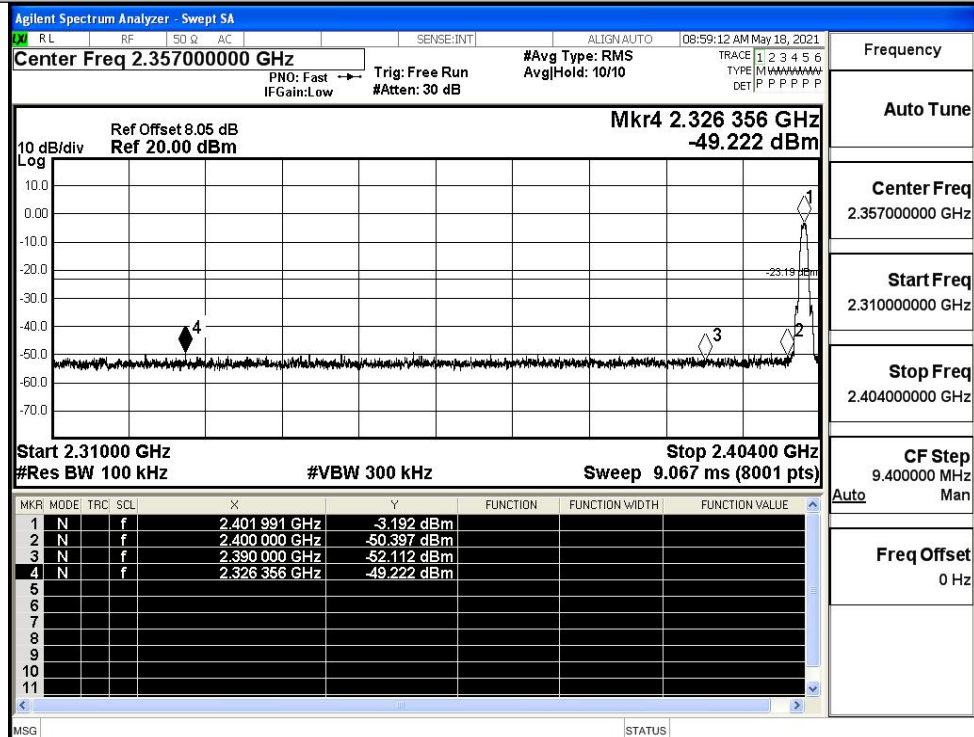


A.7 Band-edge for RF Conducted Emissions

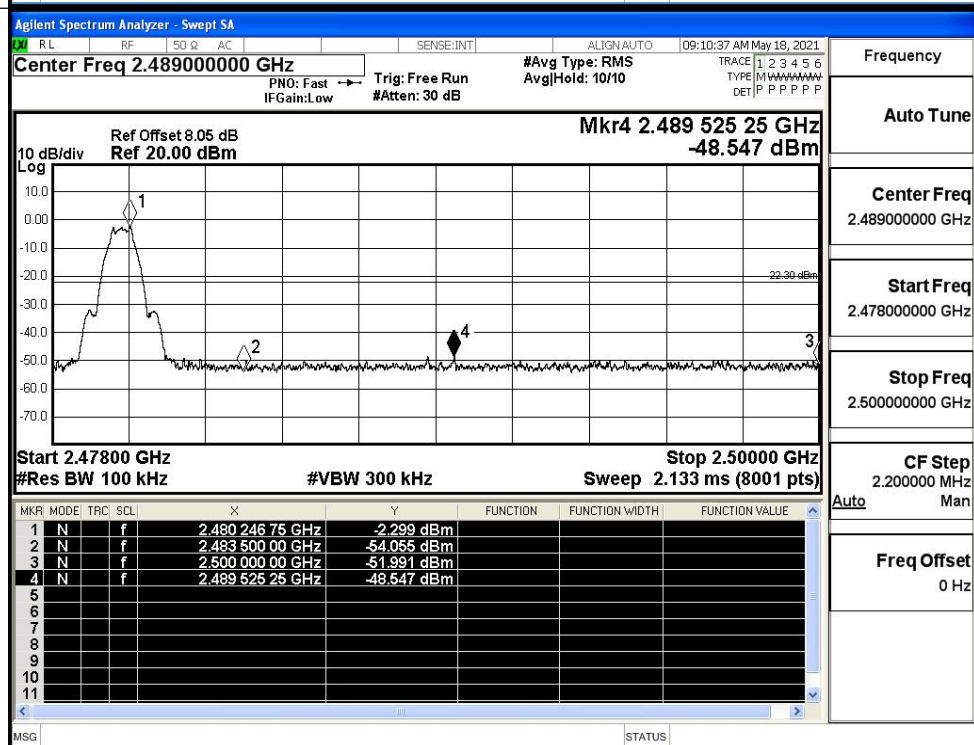
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.192	-49.222	-23.19	PASS
BT LE	HCH	-2.299	-48.547	-22.3	PASS

Test Graphs

LCH



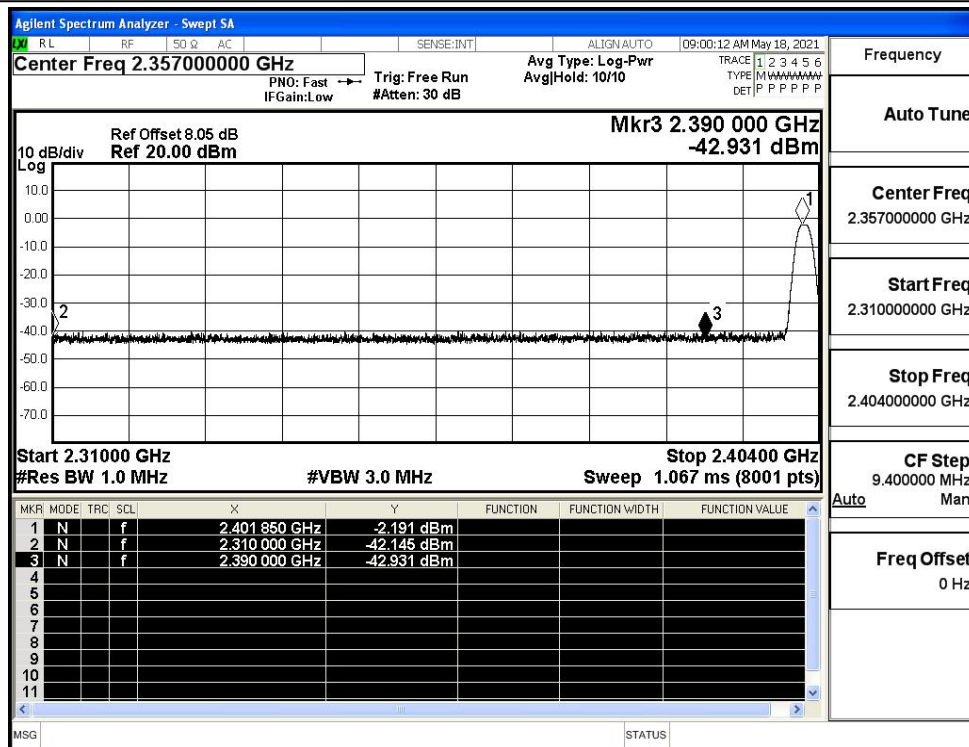
HCH



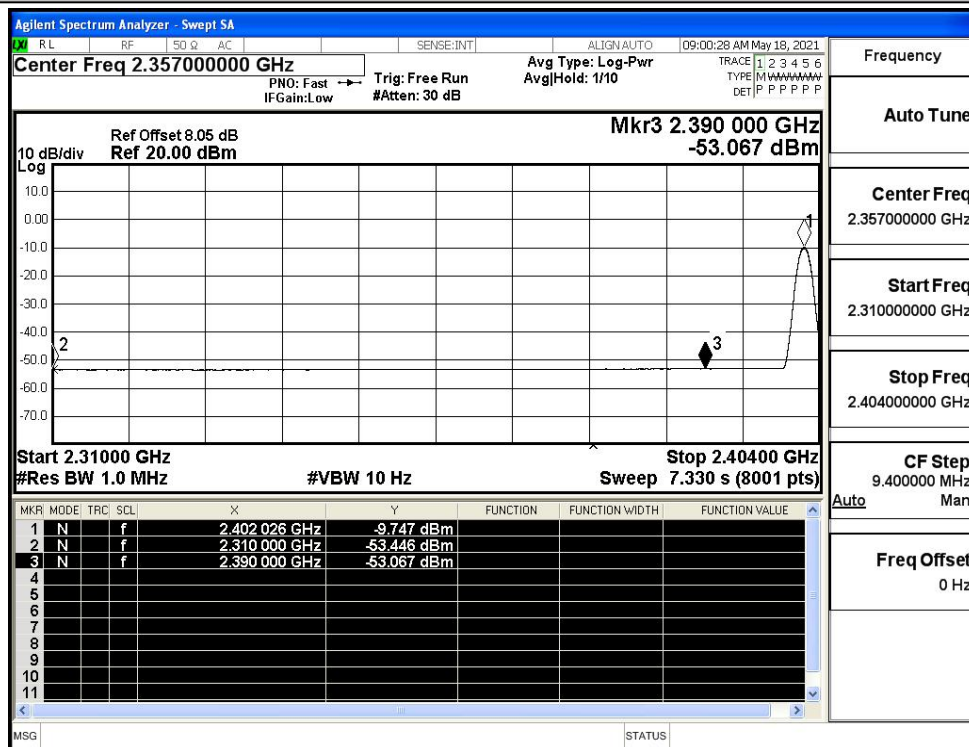
A.8 Restrict-band band-edge measurements

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	-42.15	2.0	0	55.08	PEAK	74	PASS
		Ant1	2310.0	-53.45	2.0	0	43.78	AV	54	PASS
		Ant1	2390.0	-42.93	2.0	0	54.30	PEAK	74	PASS
		Ant1	2390.0	-53.07	2.0	0	44.16	AV	54	PASS
	2480	Ant1	2483.5	-42.29	2.0	0	54.94	PEAK	74	PASS
		Ant1	2483.5	-52.55	2.0	0	44.68	AV	54	PASS
		Ant1	2500.0	-41.39	2.0	0	55.84	PEAK	74	PASS
		Ant1	2500.0	-52.39	2.0	0	44.84	AV	54	PASS

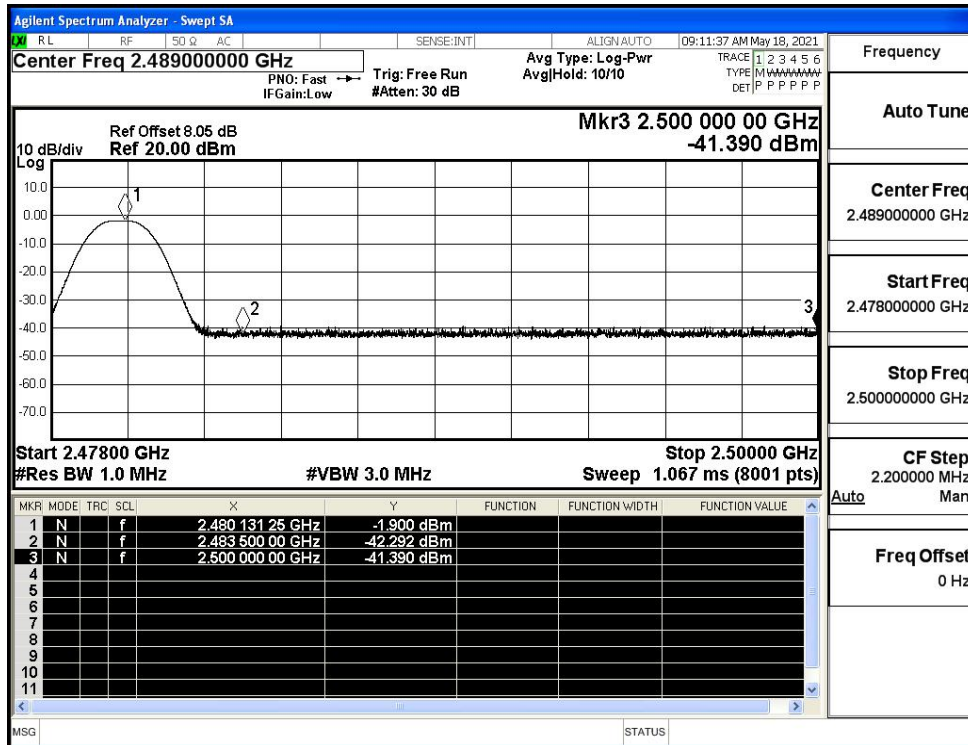
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

