

Appendix A

RF Test Data for BT LE V5.0 (Conducted Measurement)

Product Name: Watch

Trade Mark: DOOGEE

Test Model: CS2

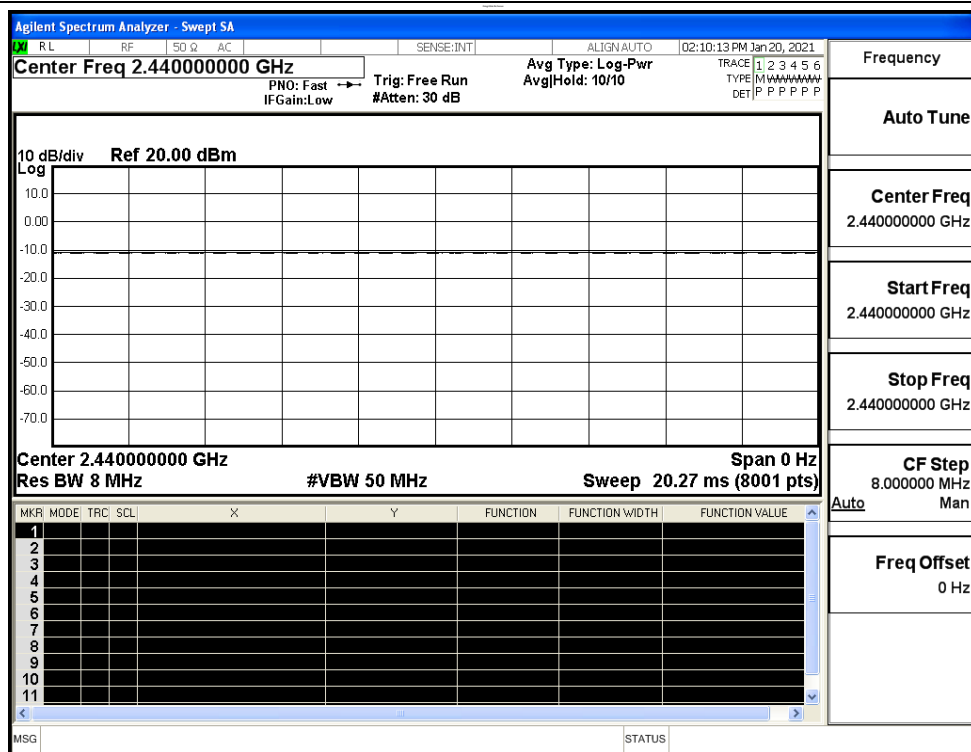
Environmental Conditions

Temperature:	23.2° C
Relative Humidity:	54.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

A.1 Duty Cycle

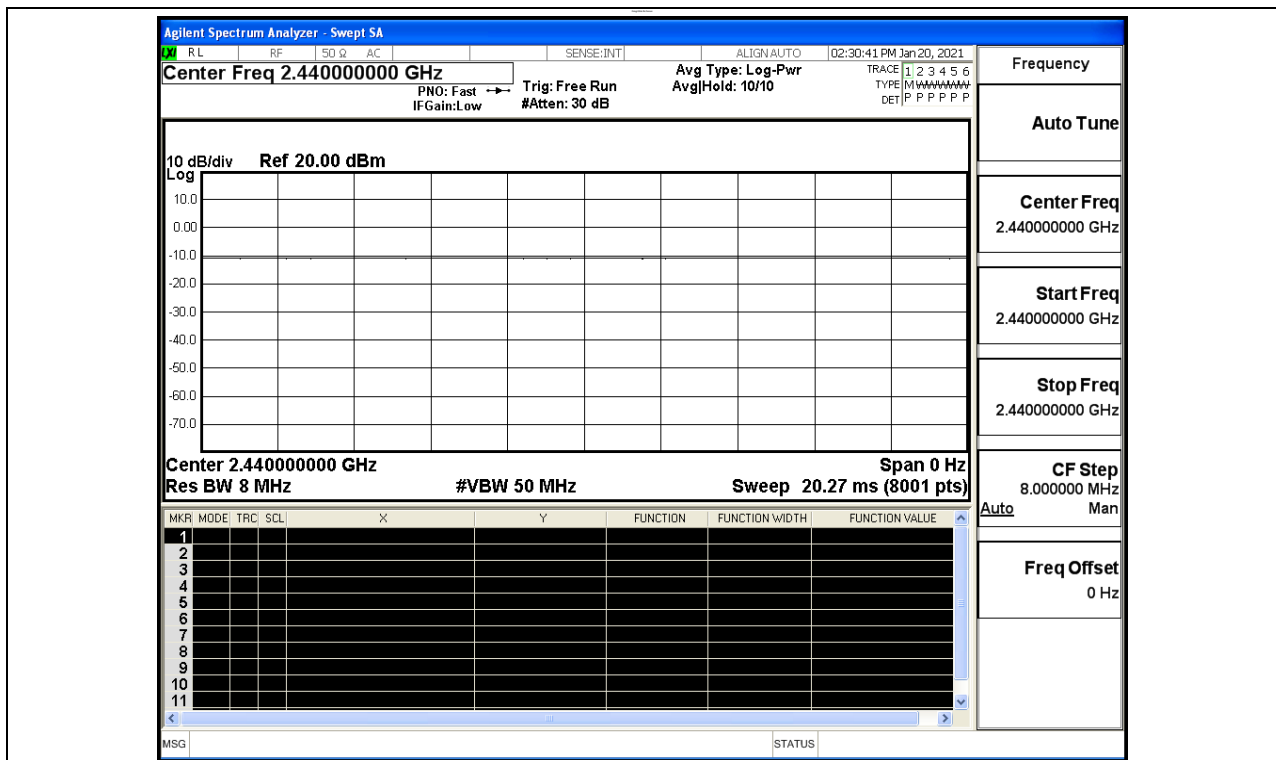
BT LE

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



BT 2LE

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT 2LE	2440	Ant1	100	PASS



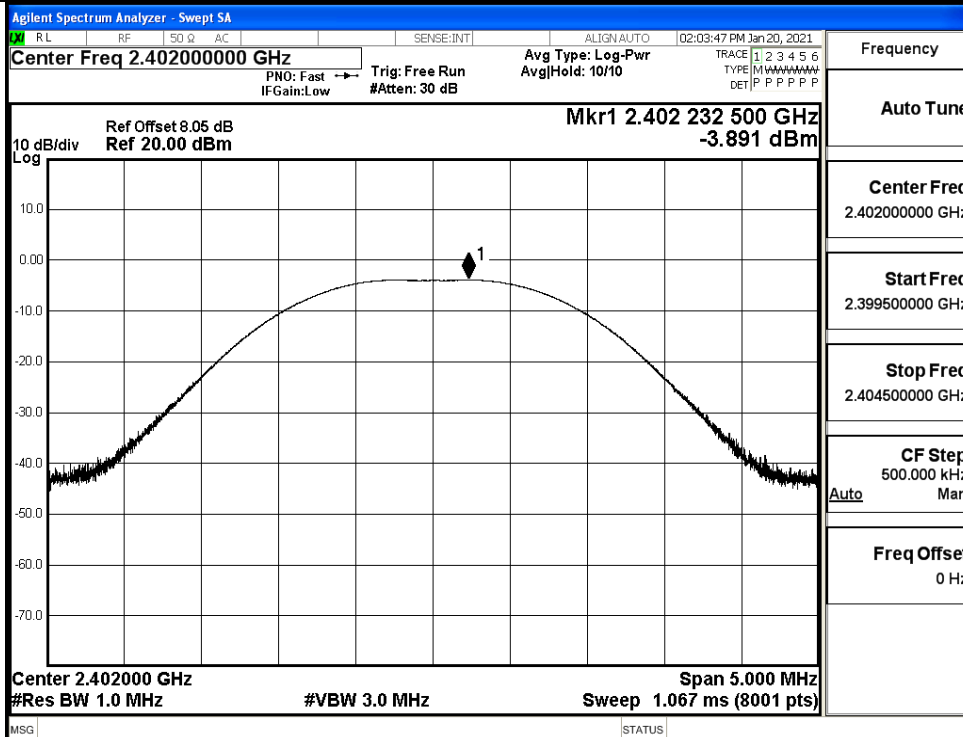
A.2 Maximum Conducted Peak Output Power

BT LE

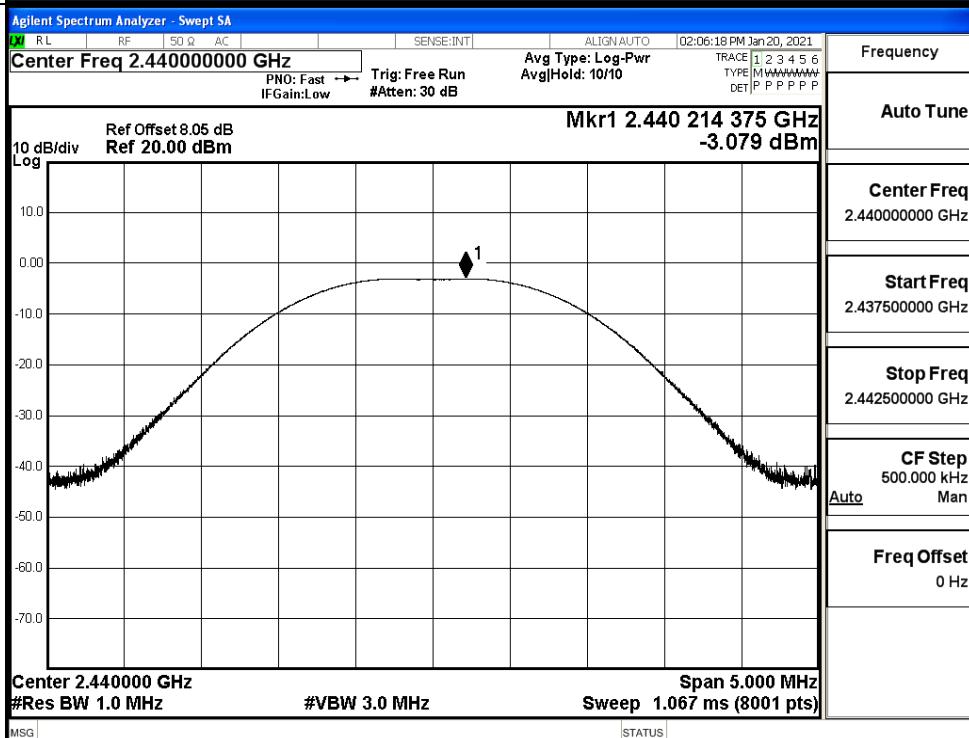
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.891	30	PASS
BT LE	MCH	-3.079	30	PASS
BT LE	HCH	-2.296	30	PASS

Test Graphs

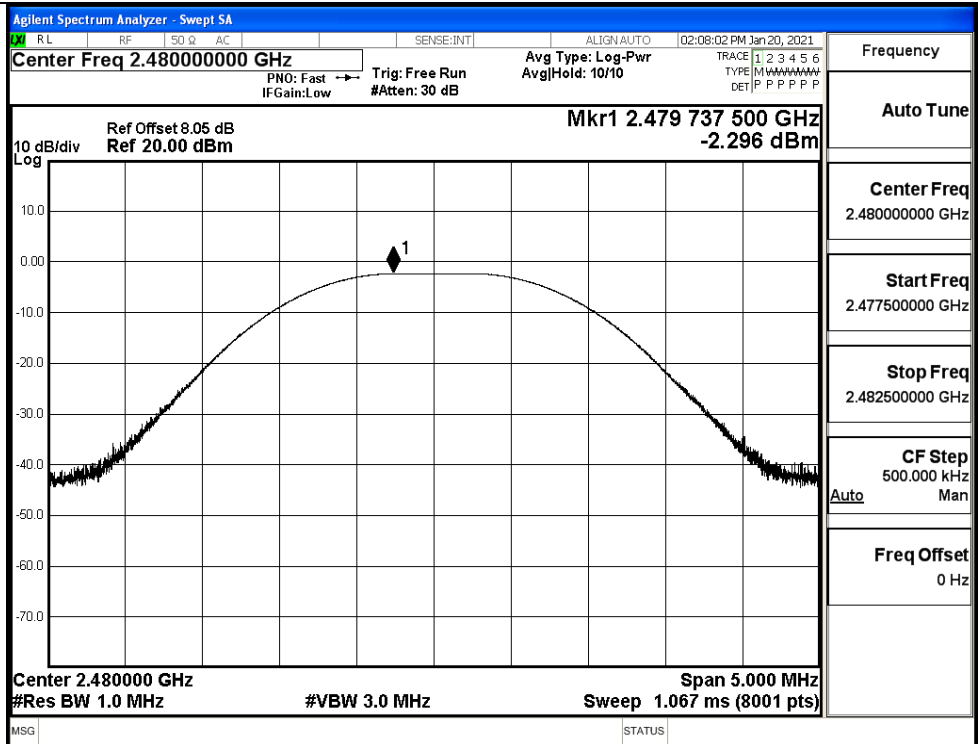
LCH



MCH



HCH

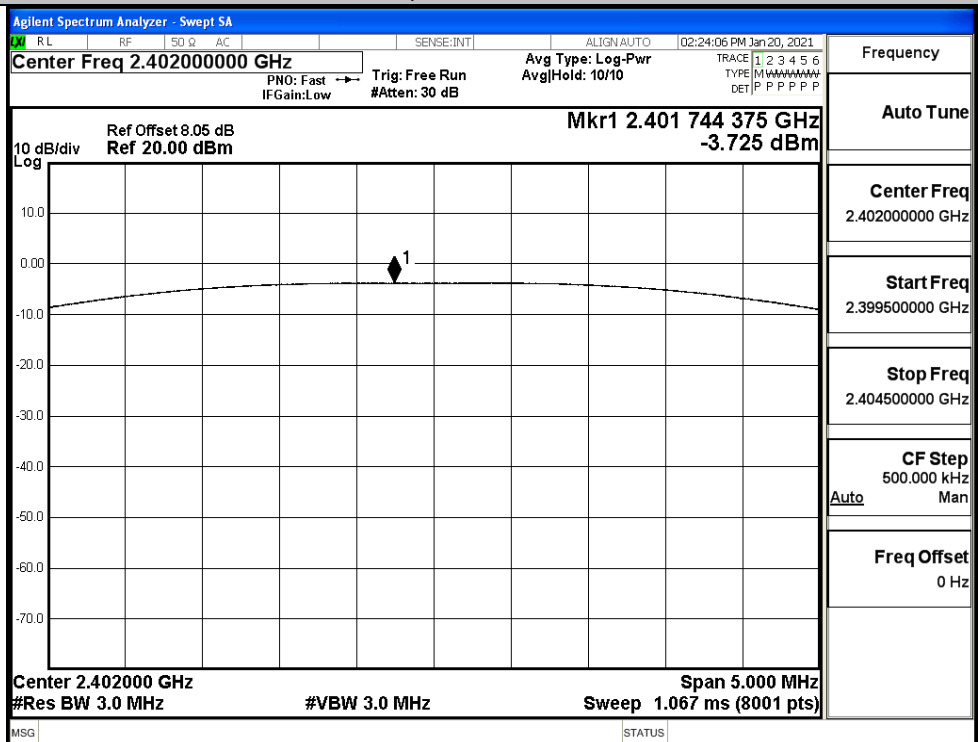


BT 2LE

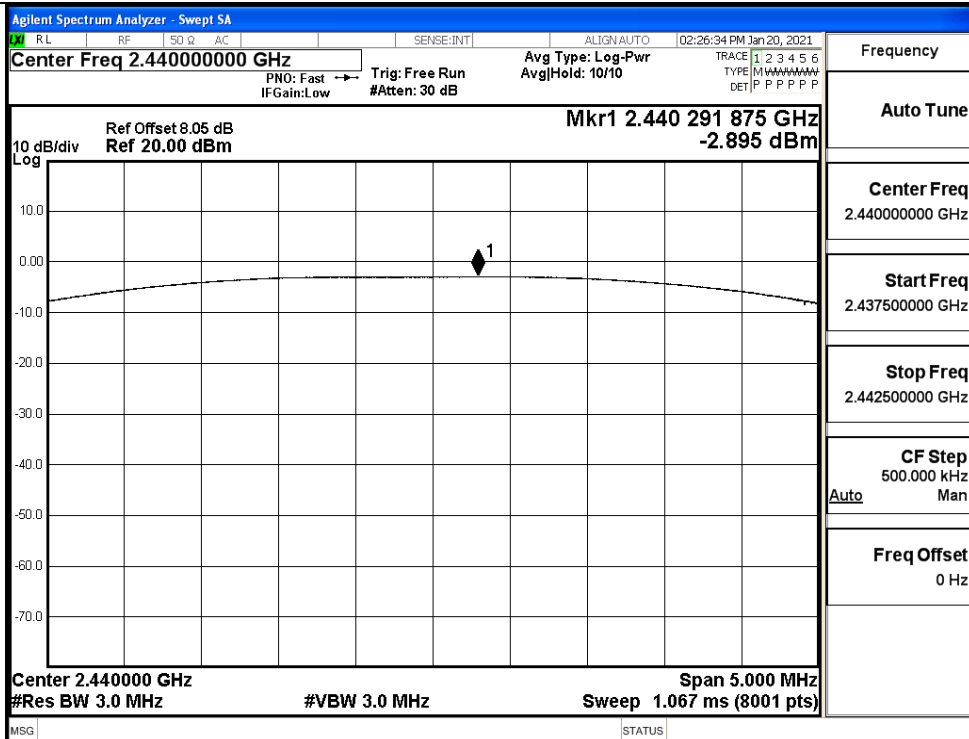
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-3.725	30	PASS
BT 2LE	MCH	-2.895	30	PASS
BT 2LE	HCH	-2.124	30	PASS

Test Graphs

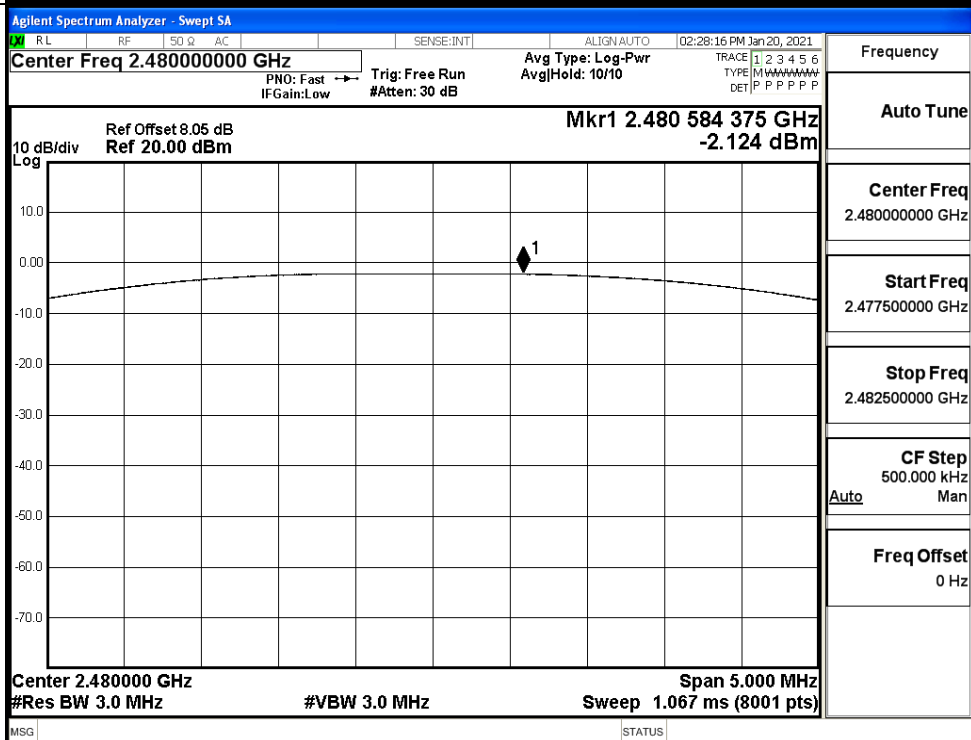
LCH



MCH



HCH



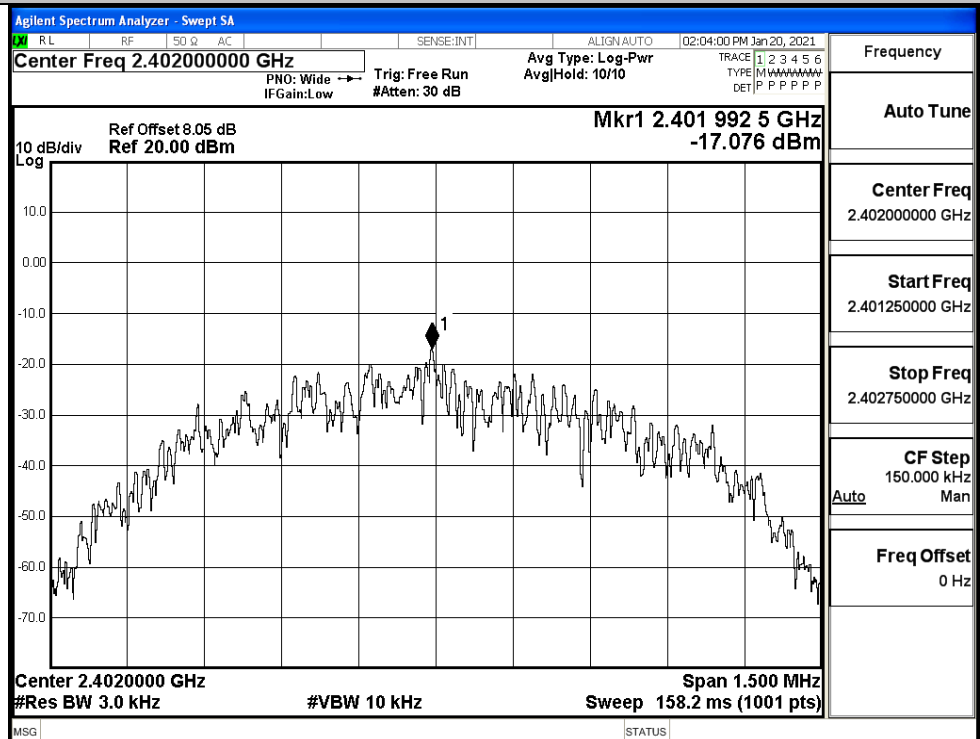
A.3 Maximum Power Spectral Density

BT LE

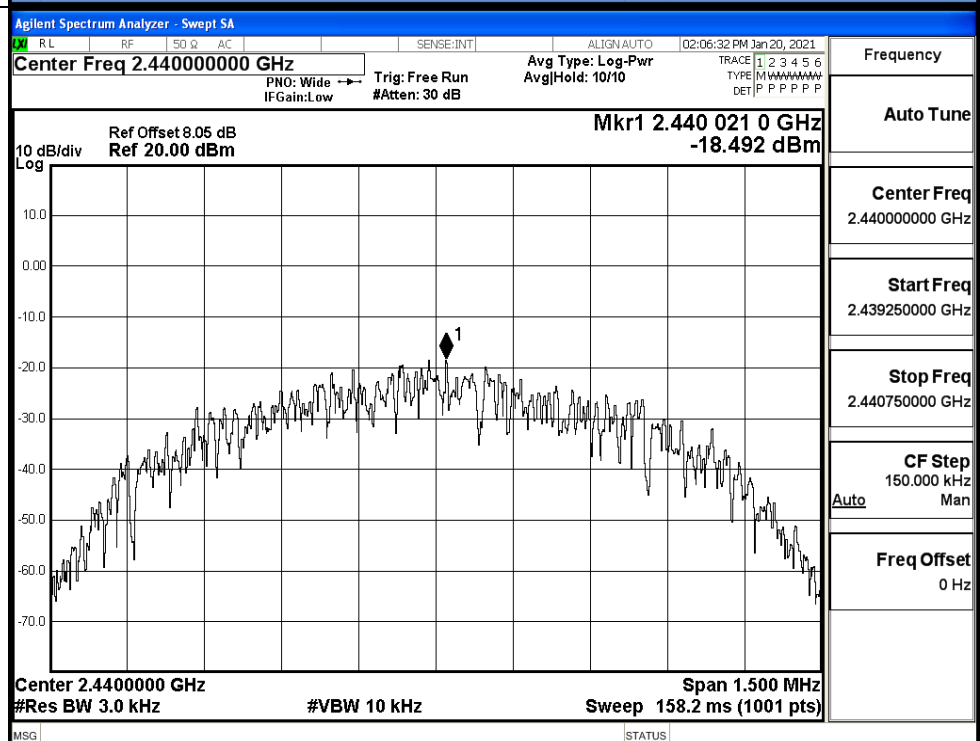
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.076	8	PASS
BT LE	MCH	-18.492	8	PASS
BT LE	HCH	-18.243	8	PASS

Test Graphs

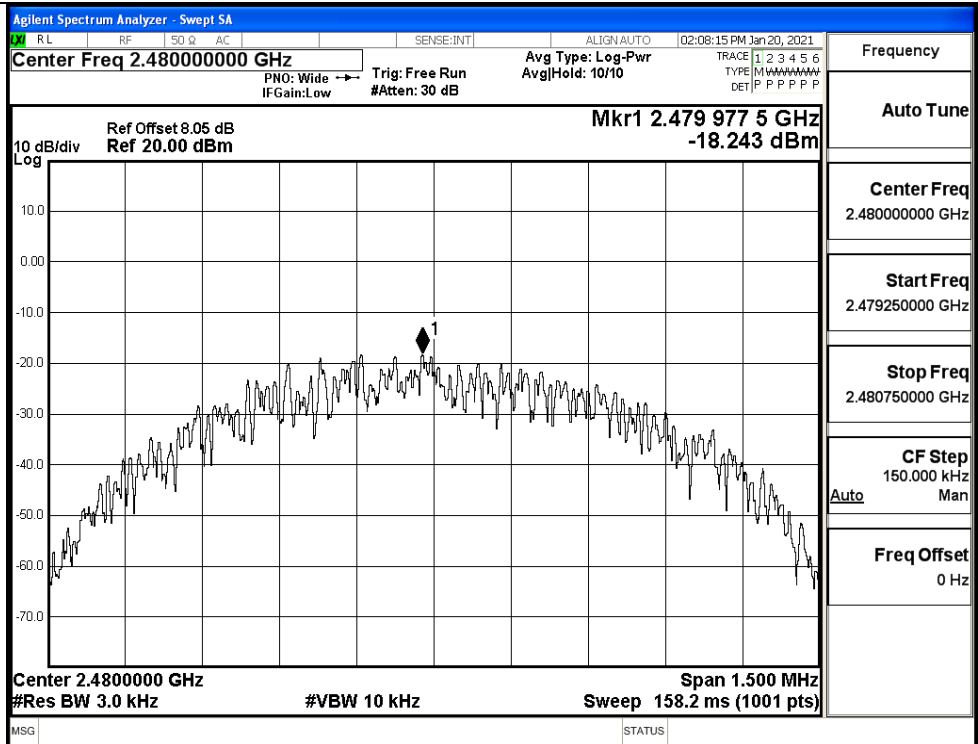
LCH



MCH



HCH

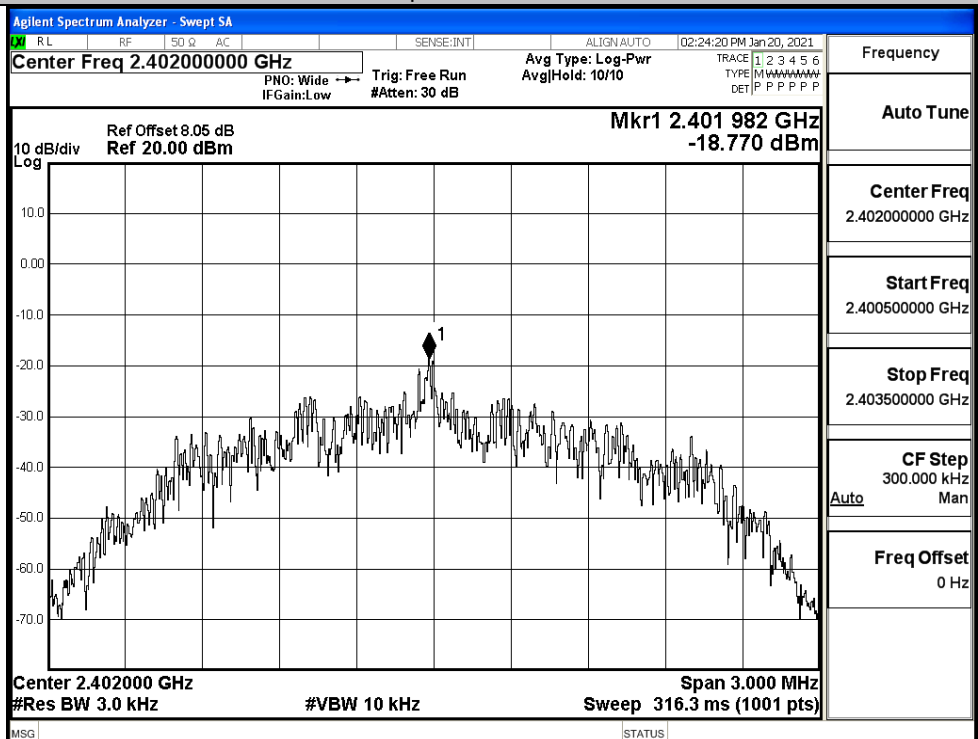


BT 2LE

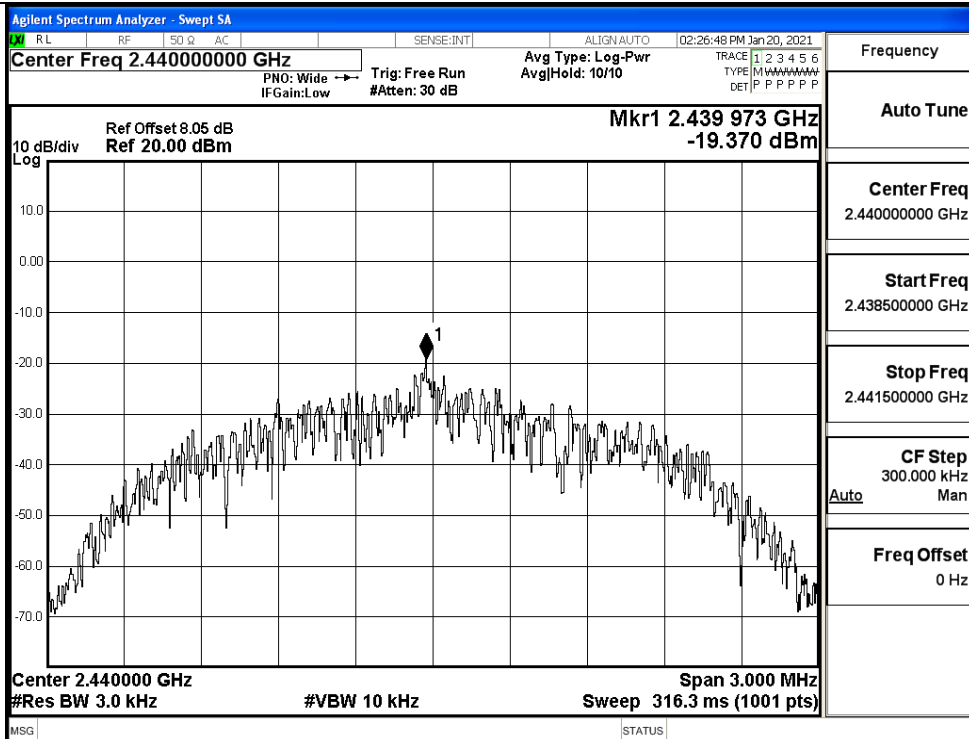
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT 2LE	LCH	-18.770	8	PASS
BT 2LE	MCH	-19.370	8	PASS
BT 2LE	HCH	-19.408	8	PASS

Test Graphs

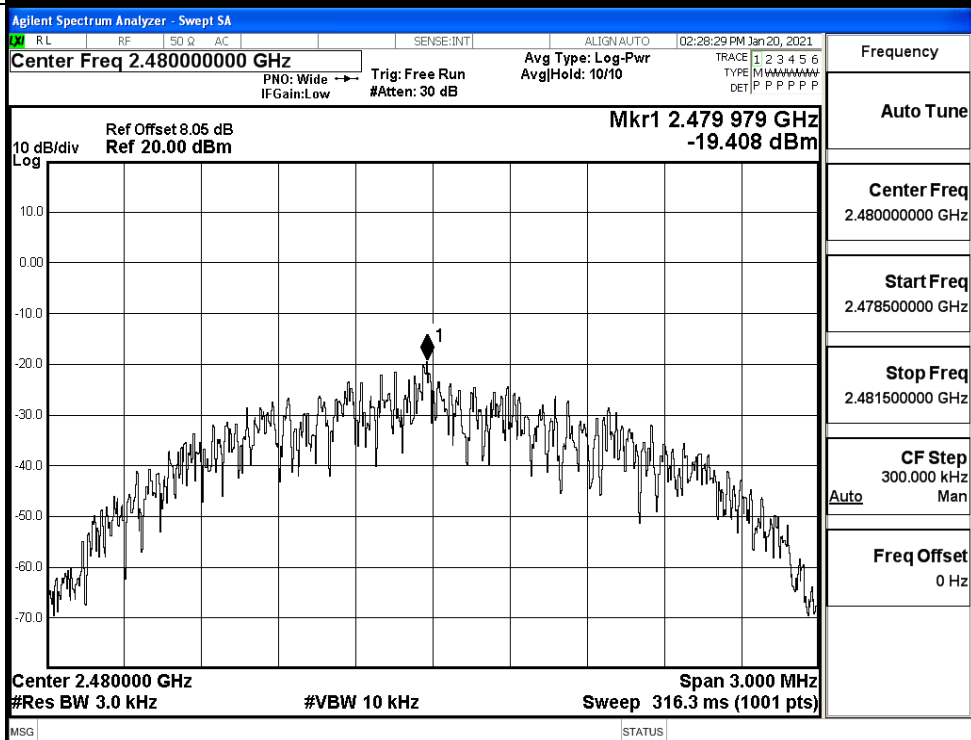
LCH



MCH



HCH



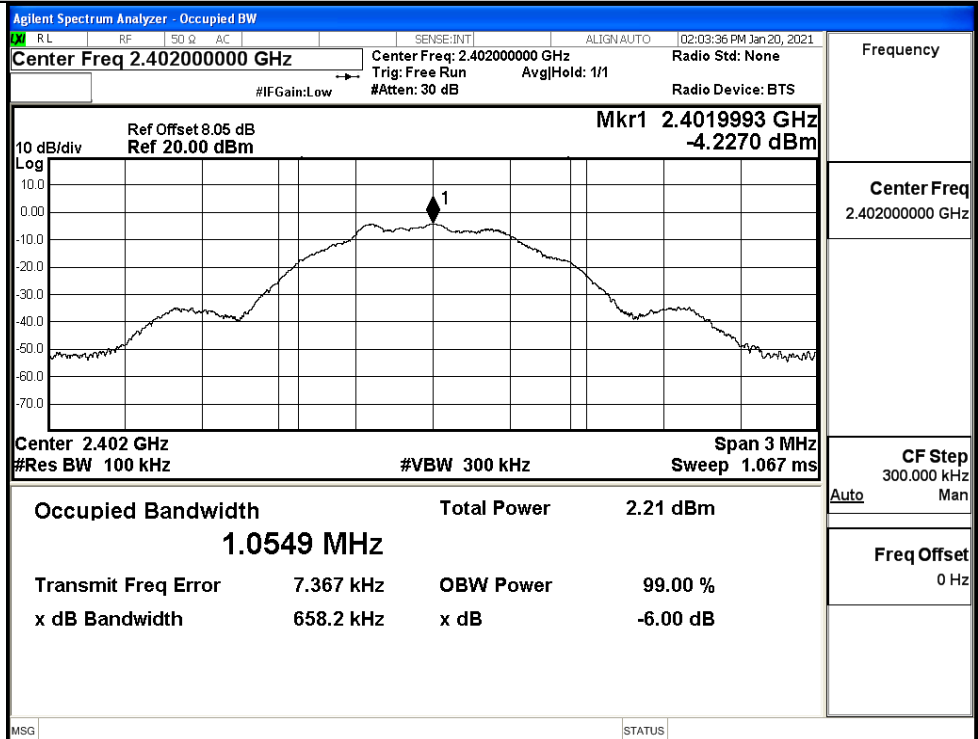
A.4 6dB Bandwidth

BT LE

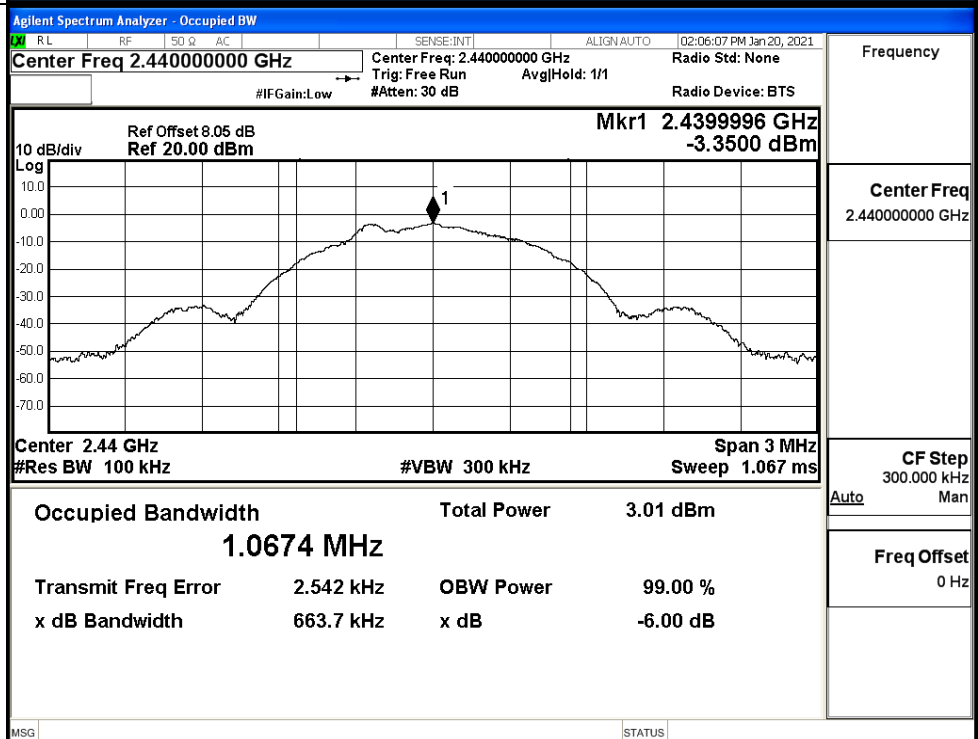
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6582	≥ 0.5	PASS
BT LE	MCH	0.6637	≥ 0.5	PASS
BT LE	HCH	0.6564	≥ 0.5	PASS

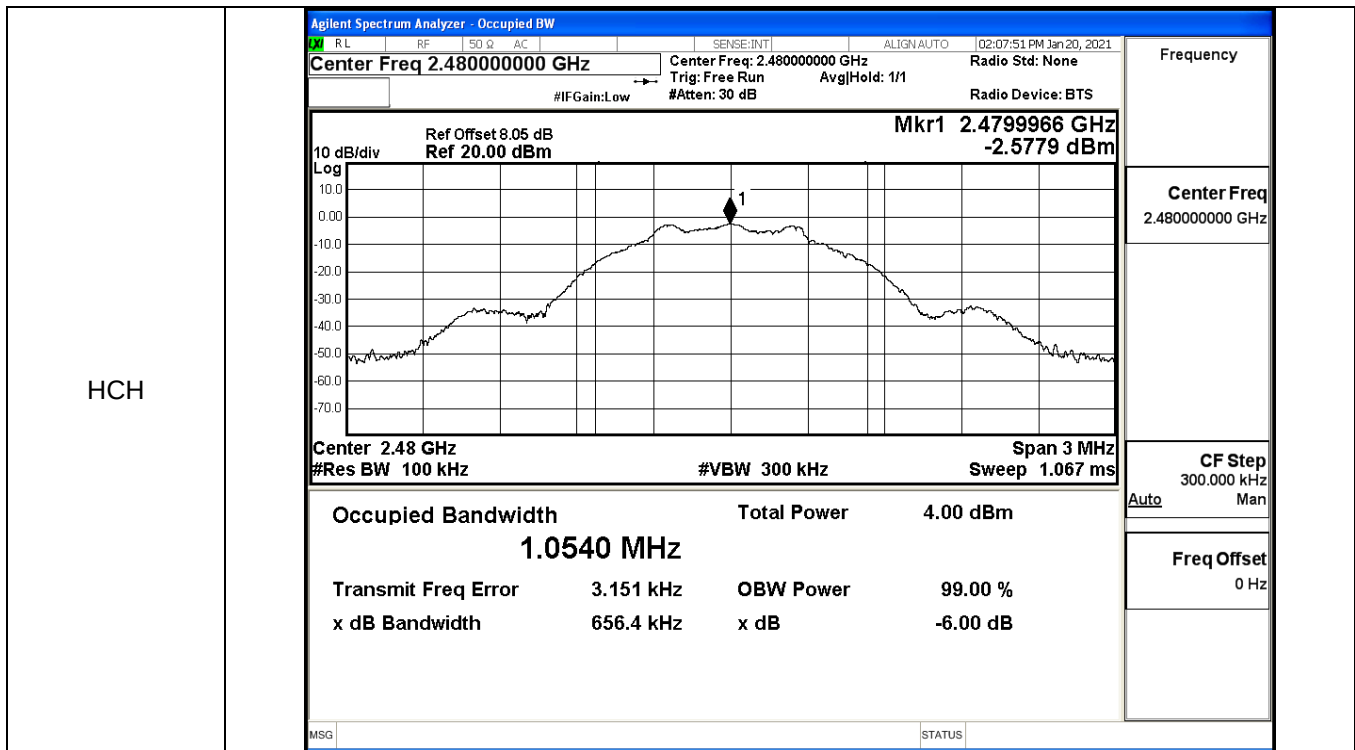
Test Graphs

LCH



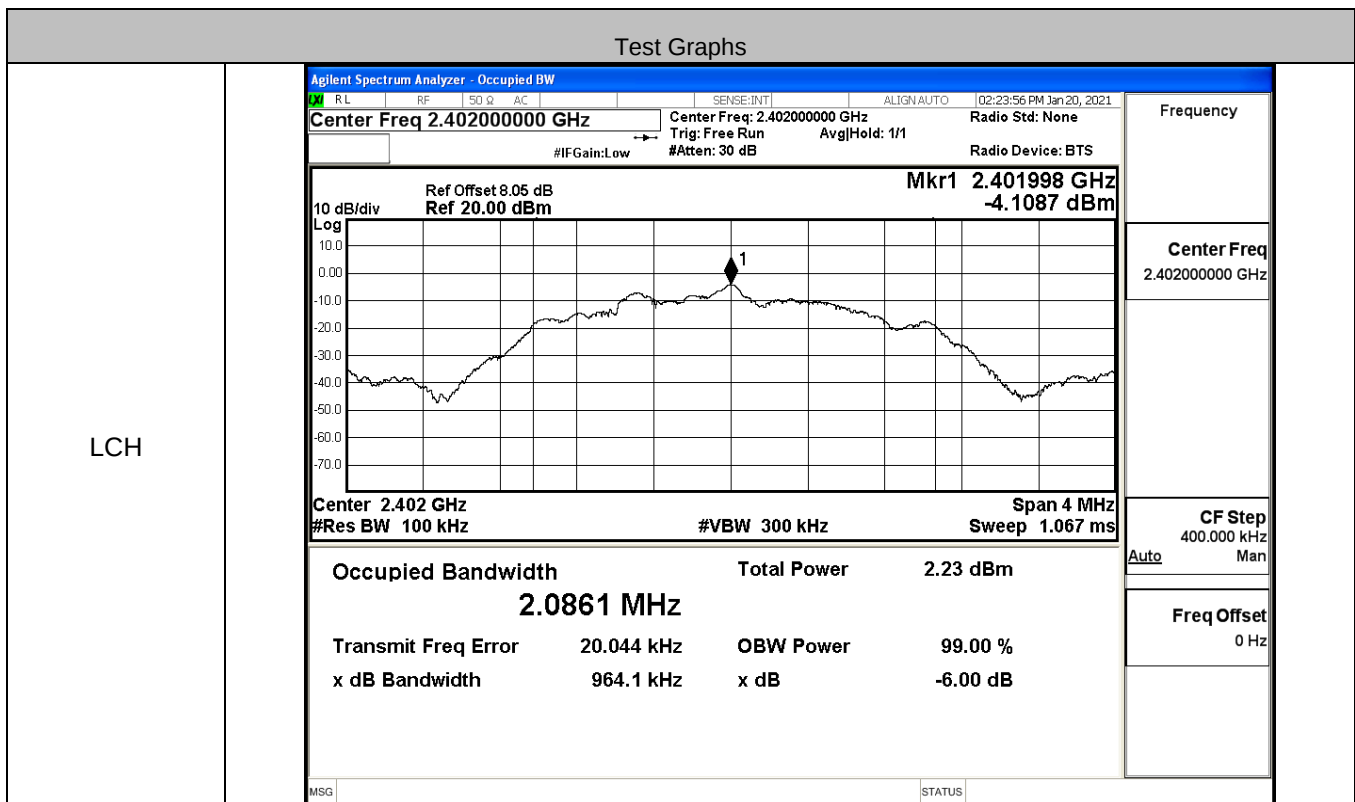
MCH



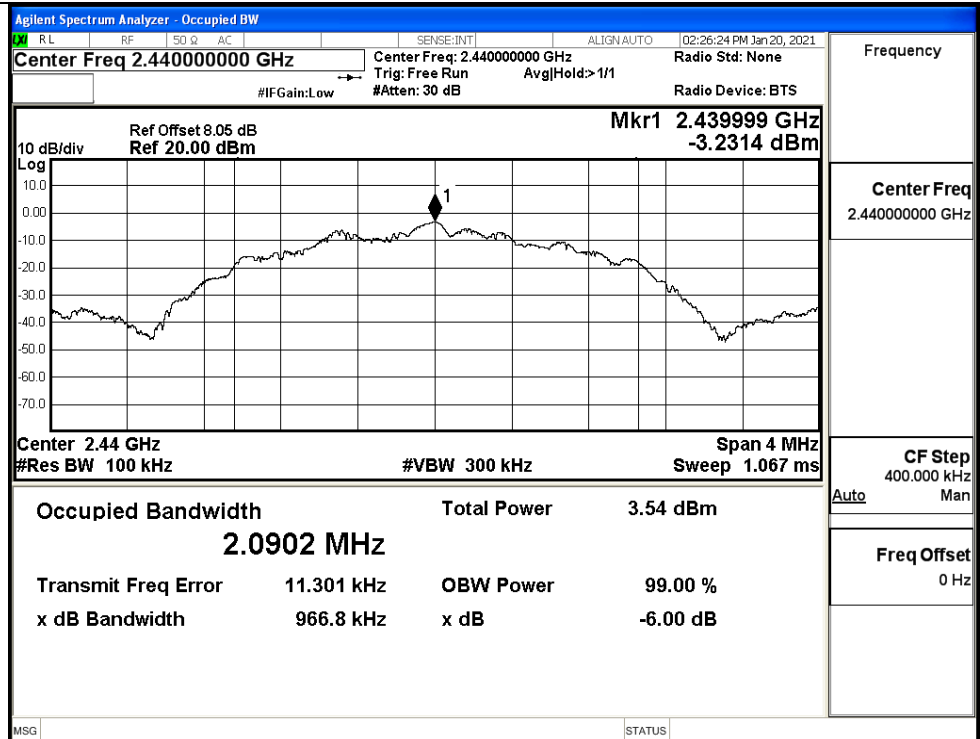


BT 2LE

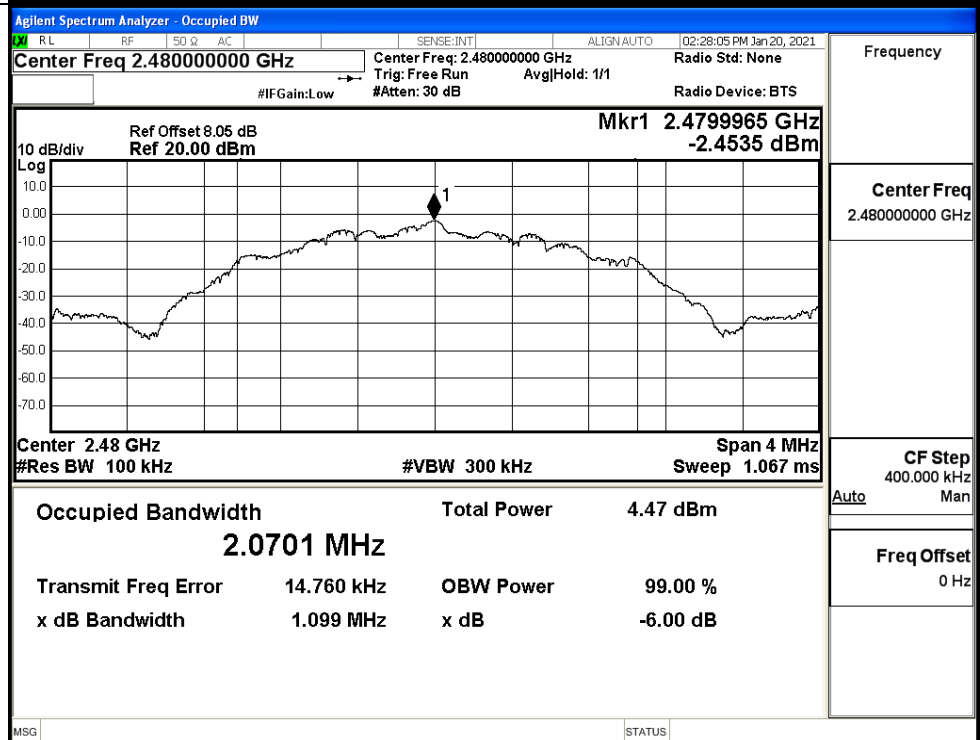
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT 2LE	LCH	0.9641	≥ 0.5	PASS
BT 2LE	MCH	0.9668	≥ 0.5	PASS
BT 2LE	HCH	1.099	≥ 0.5	PASS



MCH



HCH

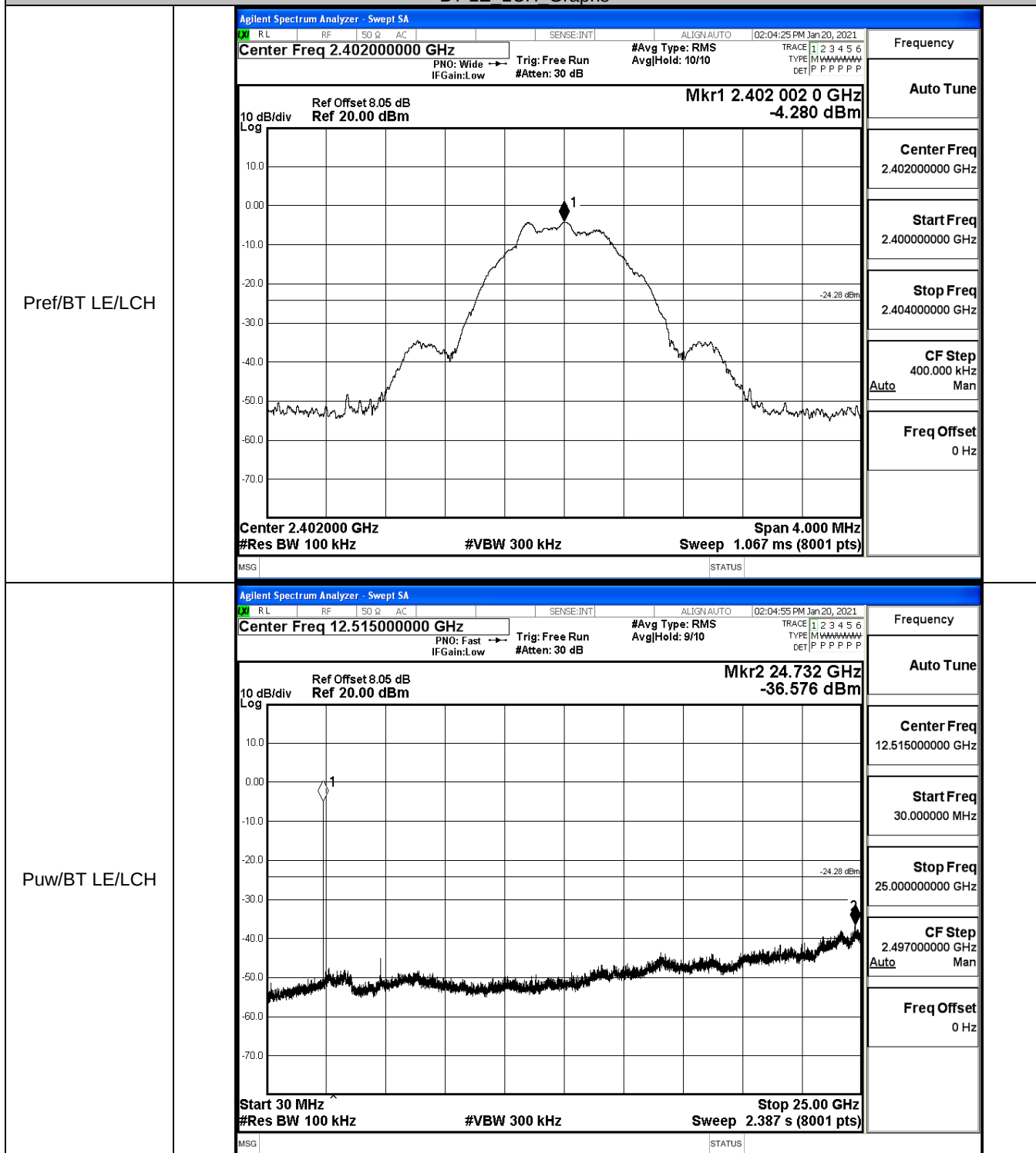


A.5 RF Conducted Spurious Emissions

BT LE

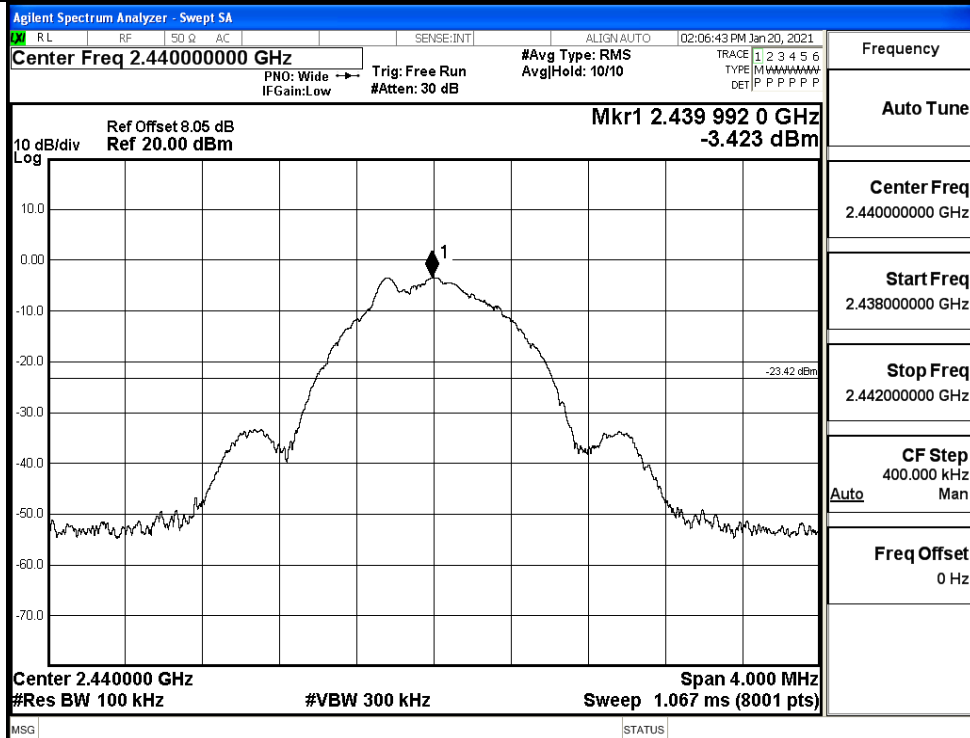
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.28	-36.576	-24.280	PASS
BT LE	MCH	-3.423	-37.469	-23.423	PASS
BT LE	HCH	-2.61	-37.293	-22.610	PASS

BT LE LCH Graphs

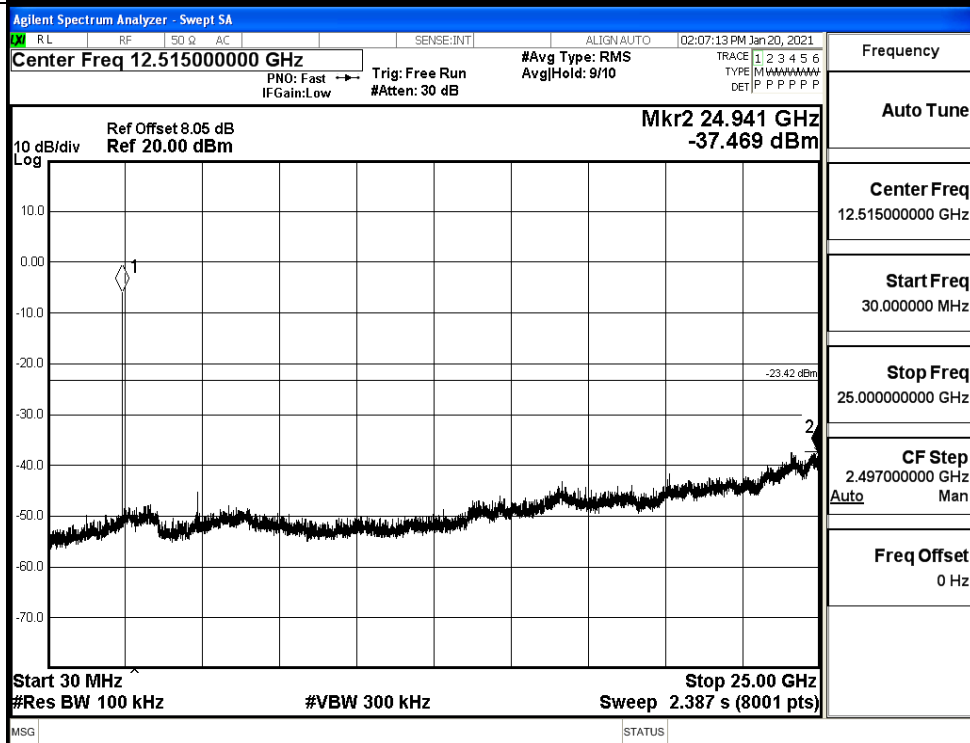


BT LE MCH Graphs

Pref/BT LE/MCH

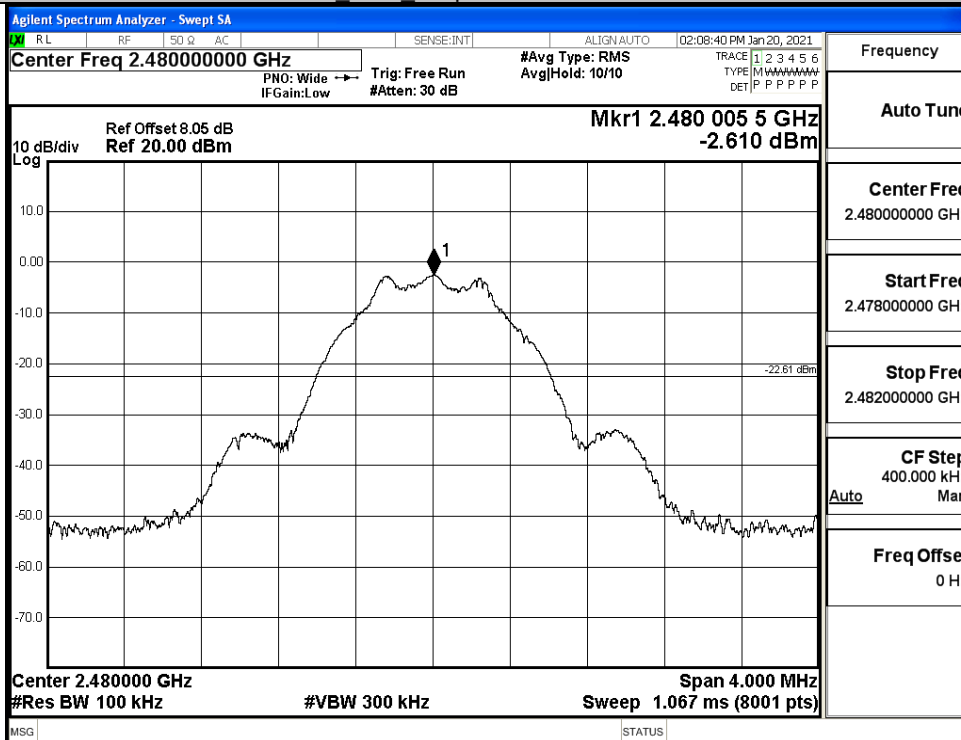


Puw/BT LE/MCH

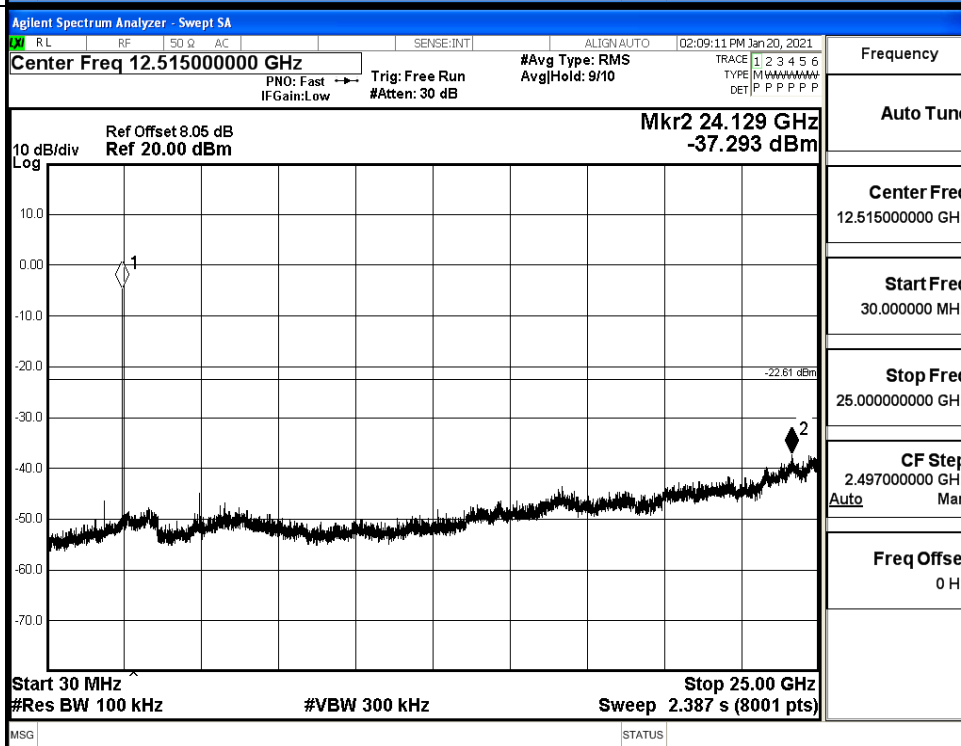


BT LE HCH Graphs

Pref/BT LE/HCH



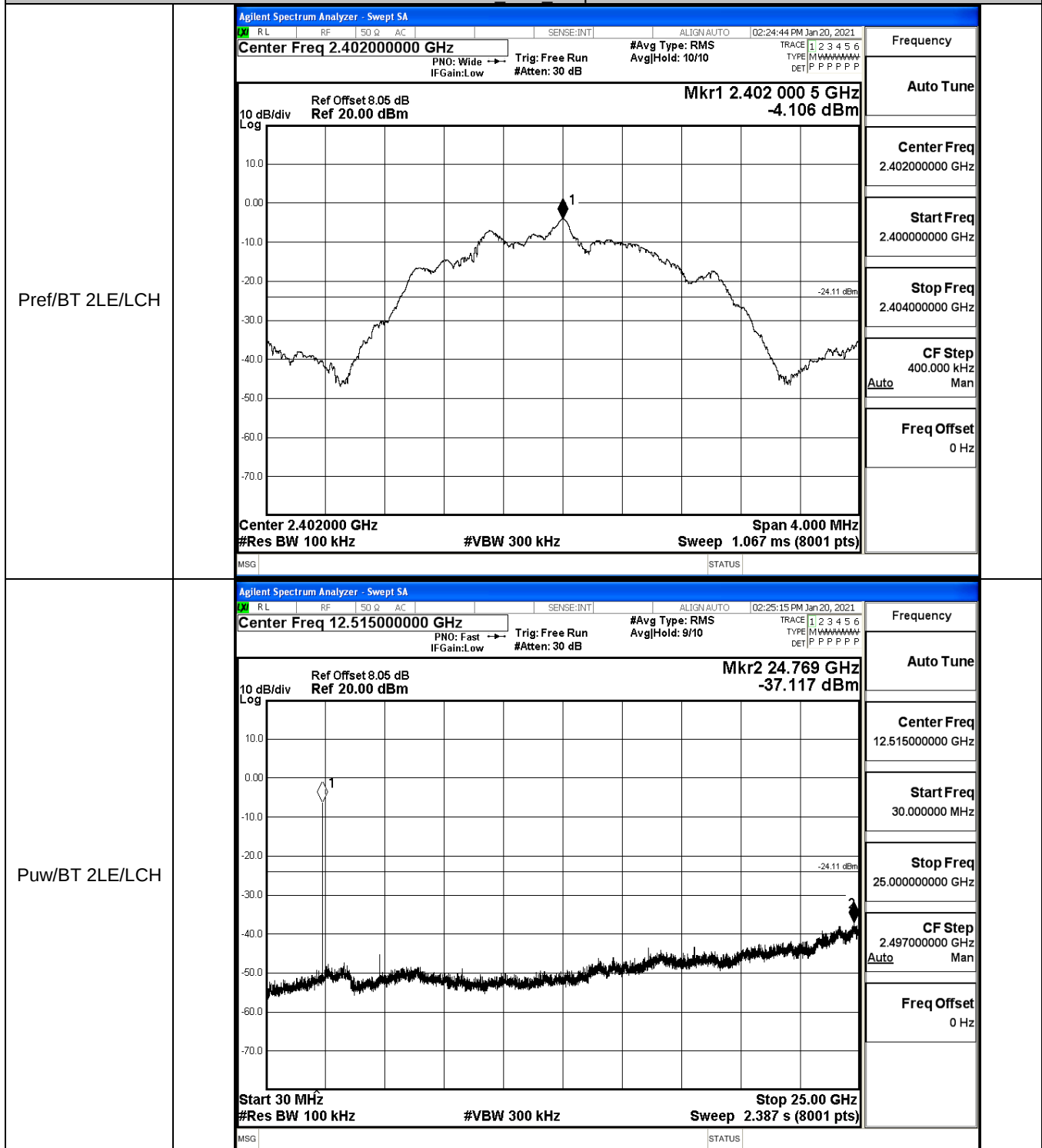
Puw/BT LE/HCH



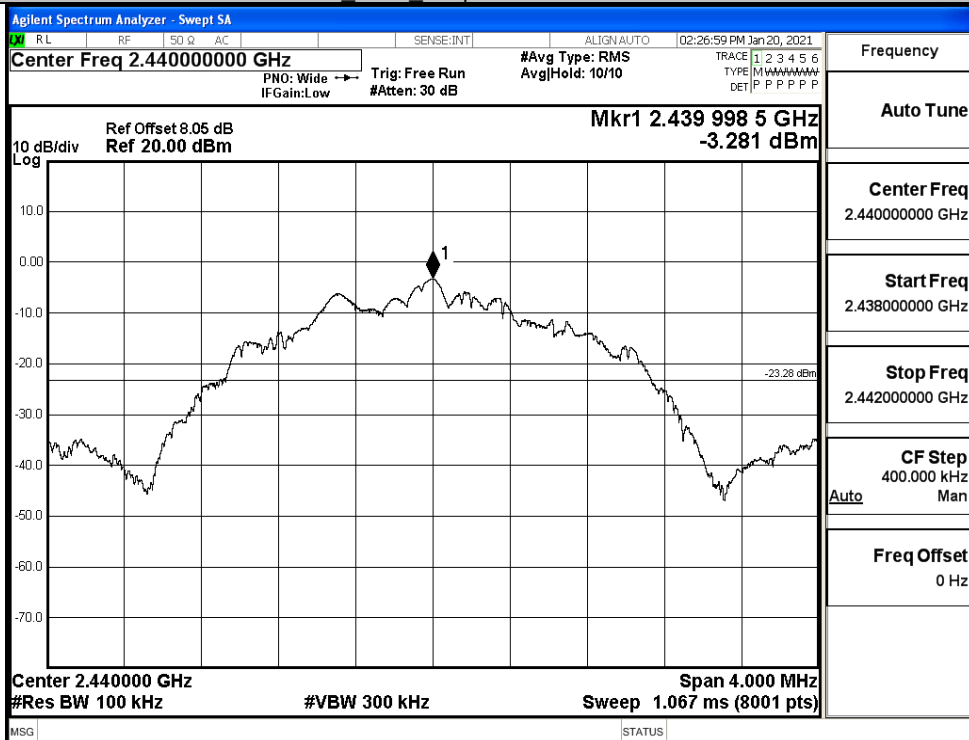
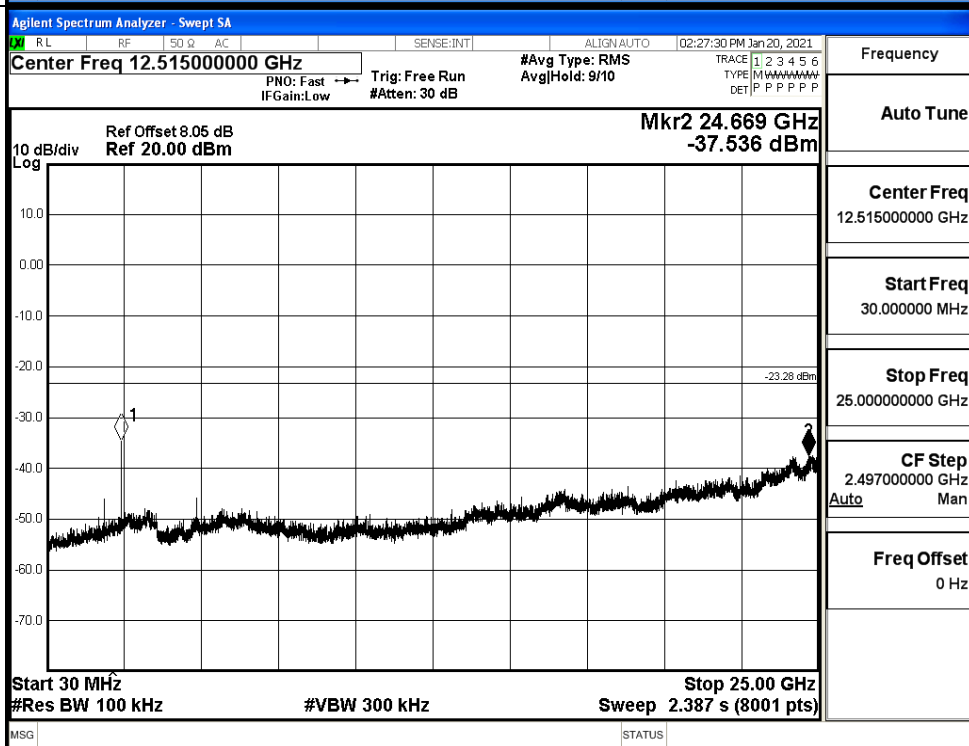
BT 2LE

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-4.106	-37.117	-24.106	PASS
BT 2LE	MCH	-3.281	-37.536	-23.281	PASS
BT 2LE	HCH	-2.487	-36.951	-22.487	PASS

BT 2LE LCH Graphs

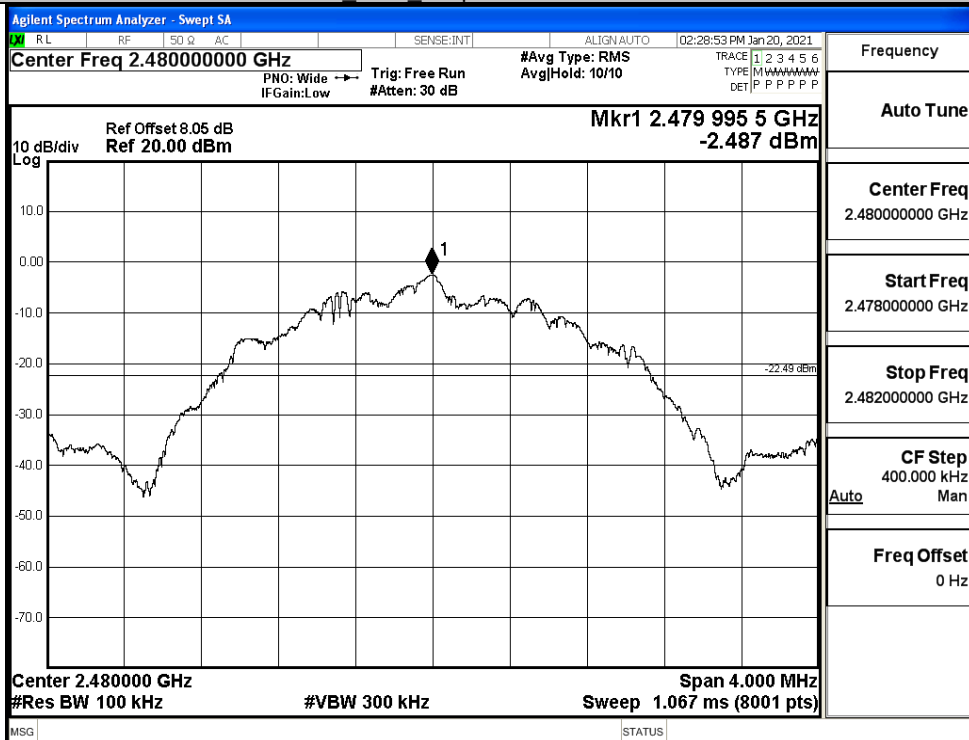
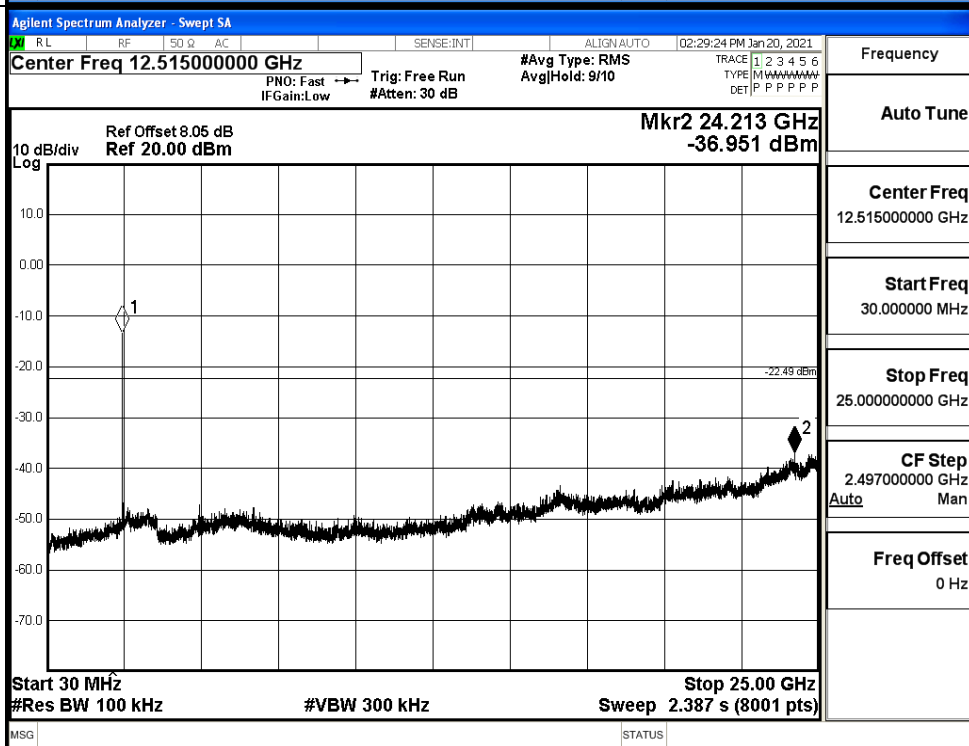


BT 2LE MCH Graphs

Pref/BT
2LE/MCHPuw/BT
2LE/MCH

BT 2LE HCH Graphs

Pref/BT 2LE/HCH

Puw/BT
2LE/HCH

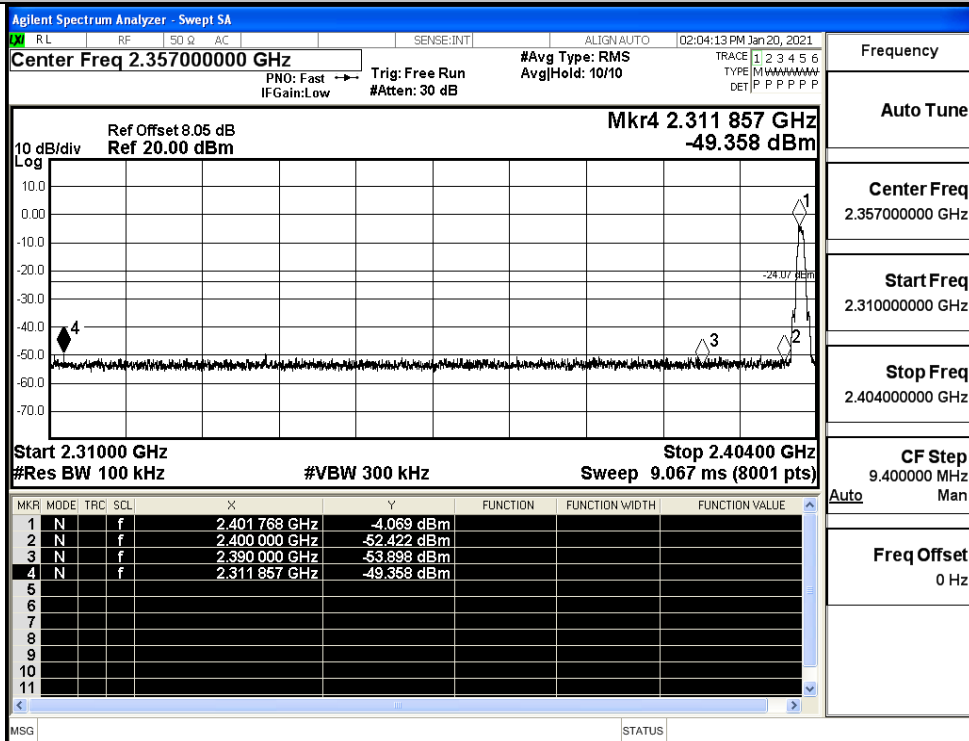
A.6 Band-edge for RF Conducted Emissions

BT LE

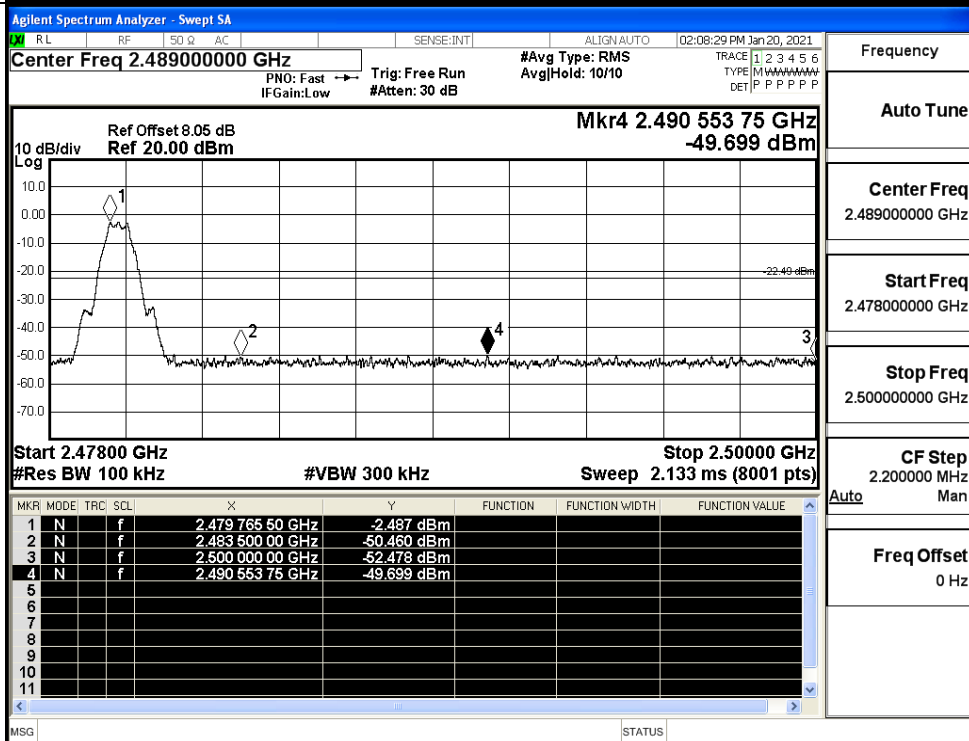
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.069	-49.358	-24.07	PASS
BT LE	HCH	-2.487	-49.699	-22.49	PASS

Test Graphs

LCH



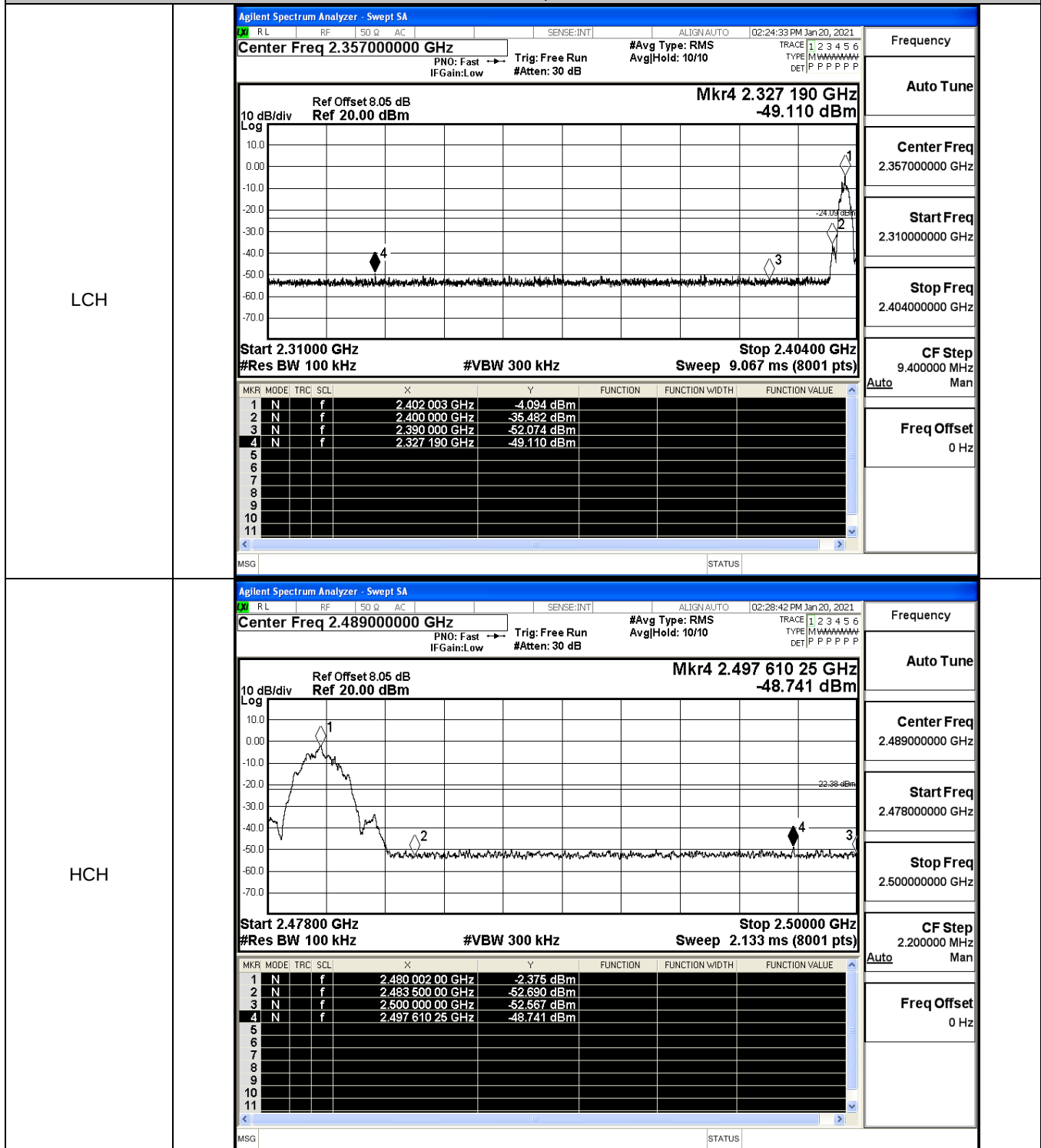
HCH



BT 2LE

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-4.094	-49.110	-24.09	PASS
BT 2LE	HCH	-2.375	-48.741	-22.38	PASS

Test Graphs

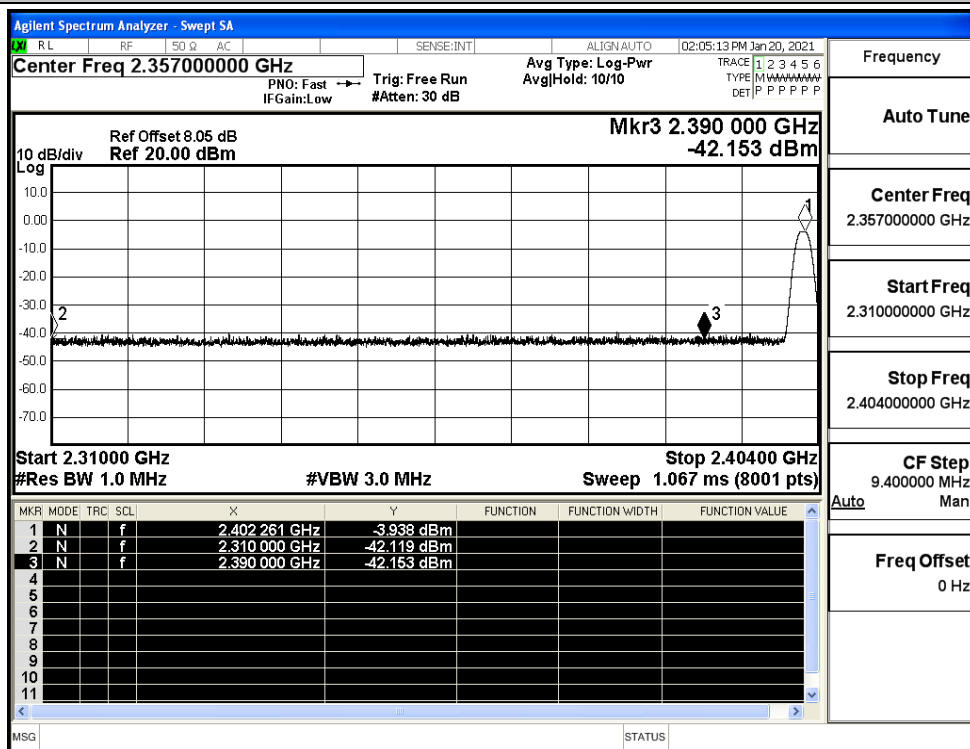


A.7 Restrict-band band-edge measurements

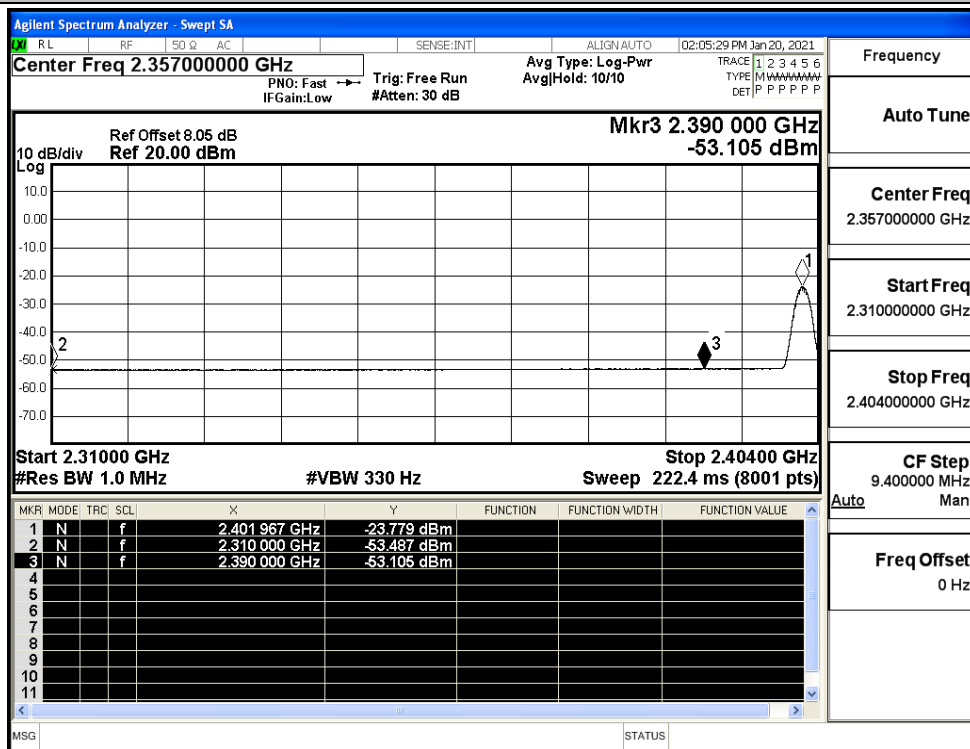
BT LE

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	-42.12	2.0	0	55.14	PEAK	74	PASS
		Ant1	2310.0	-53.49	2.0	0	43.77	AV	54	PASS
		Ant1	2390.0	-42.15	2.0	0	55.11	PEAK	74	PASS
		Ant1	2390.0	-53.11	2.0	0	44.15	AV	54	PASS
	2480	Ant1	2483.5	-42.25	2.0	0	55.01	PEAK	74	PASS
		Ant1	2483.5	-52.58	2.0	0	44.68	AV	54	PASS
		Ant1	2500.0	-42.94	2.0	0	54.32	PEAK	74	PASS
		Ant1	2500.0	-52.51	2.0	0	44.75	AV	54	PASS

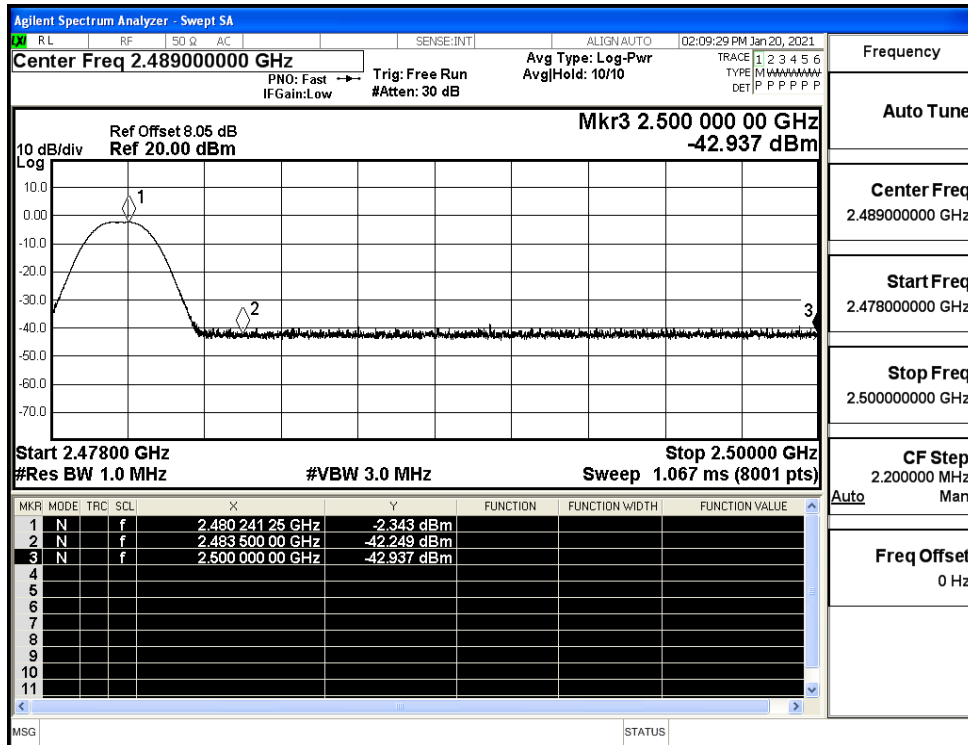
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



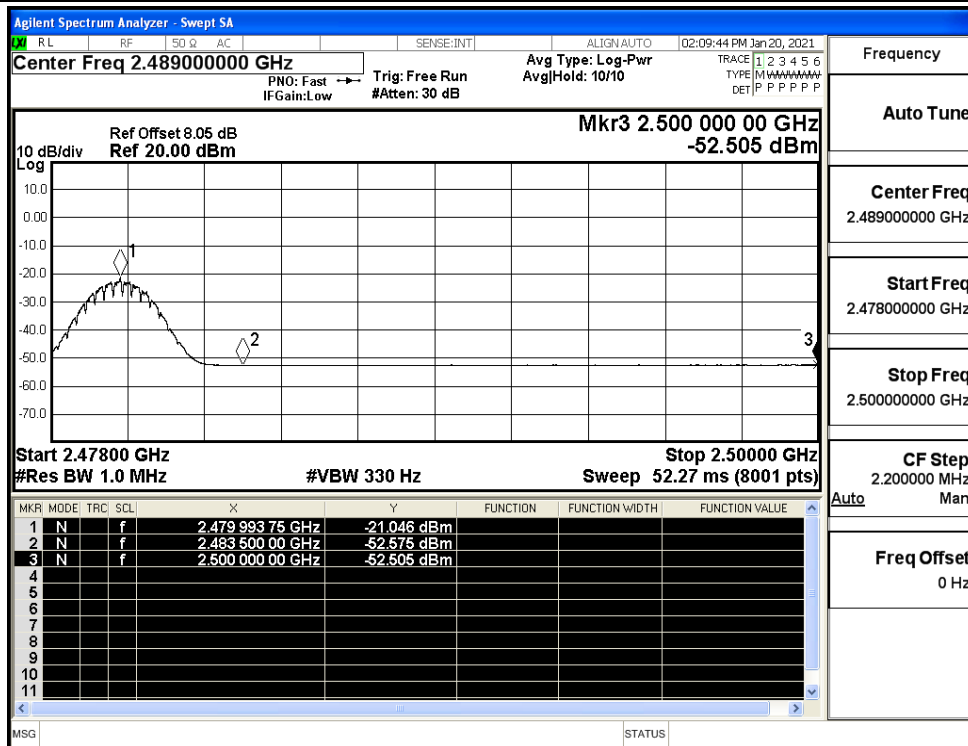
Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



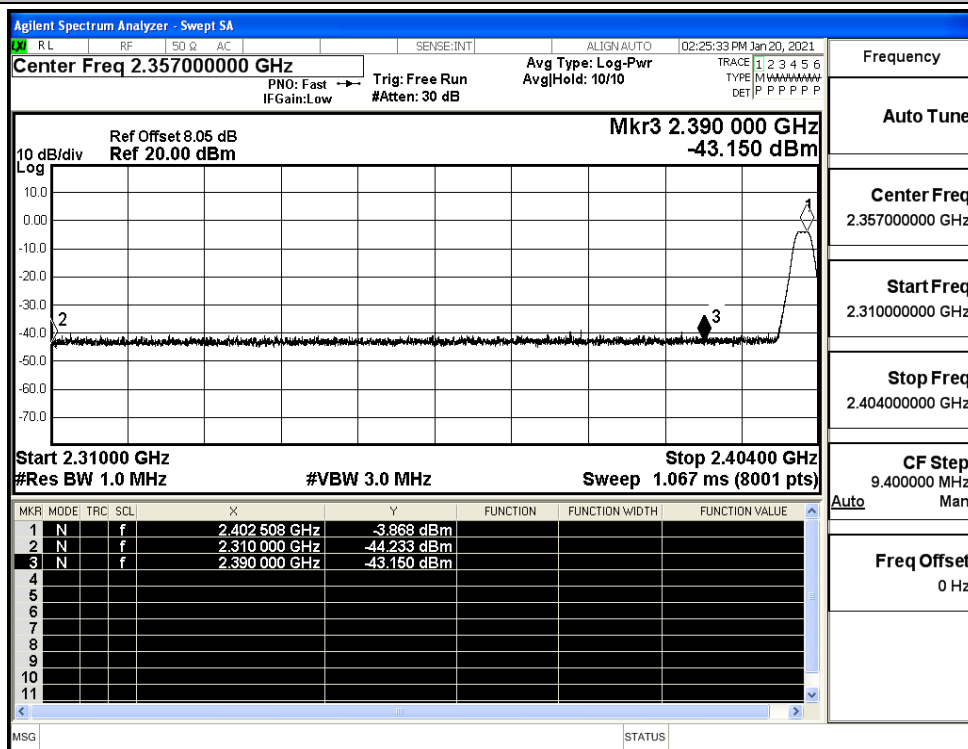
Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



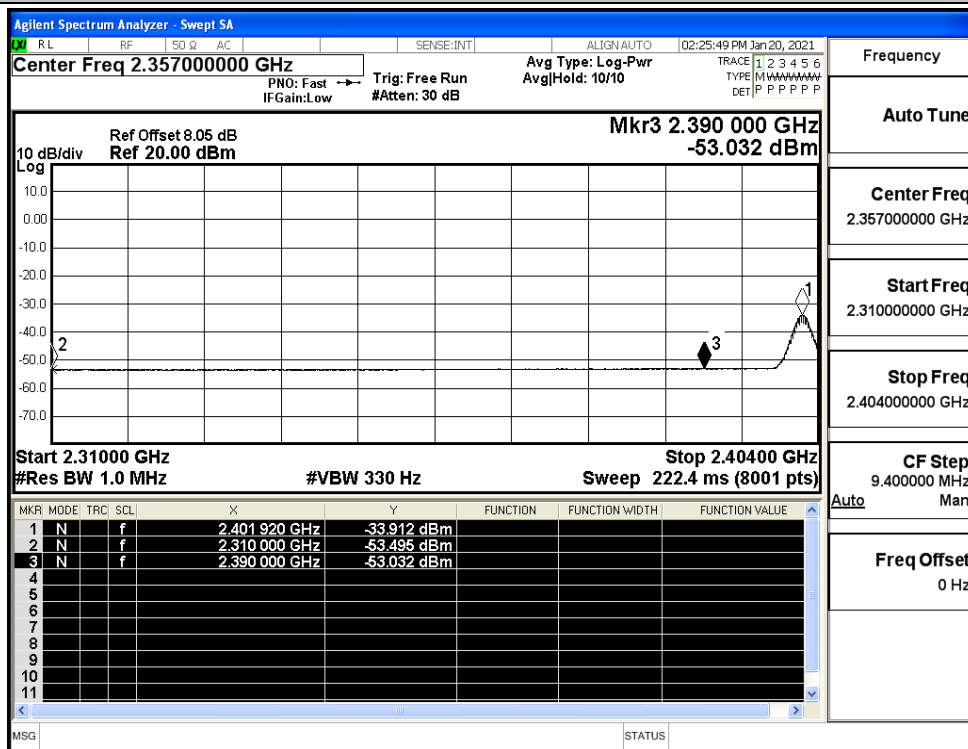
BT 2LE

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT 2LE	2402	Ant1	2310.0	-44.23	2.0	0	53.03	PEAK	74	PASS
		Ant1	2310.0	-53.50	2.0	0	43.76	AV	54	PASS
		Ant1	2390.0	-43.15	2.0	0	54.11	PEAK	74	PASS
		Ant1	2390.0	-53.03	2.0	0	44.23	AV	54	PASS
	2480	Ant1	2483.5	-43.20	2.0	0	54.06	PEAK	74	PASS
		Ant1	2483.5	-52.56	2.0	0	44.7	AV	54	PASS
		Ant1	2500.0	-43.58	2.0	0	53.68	PEAK	74	PASS
		Ant1	2500.0	-52.47	2.0	0	44.79	AV	54	PASS

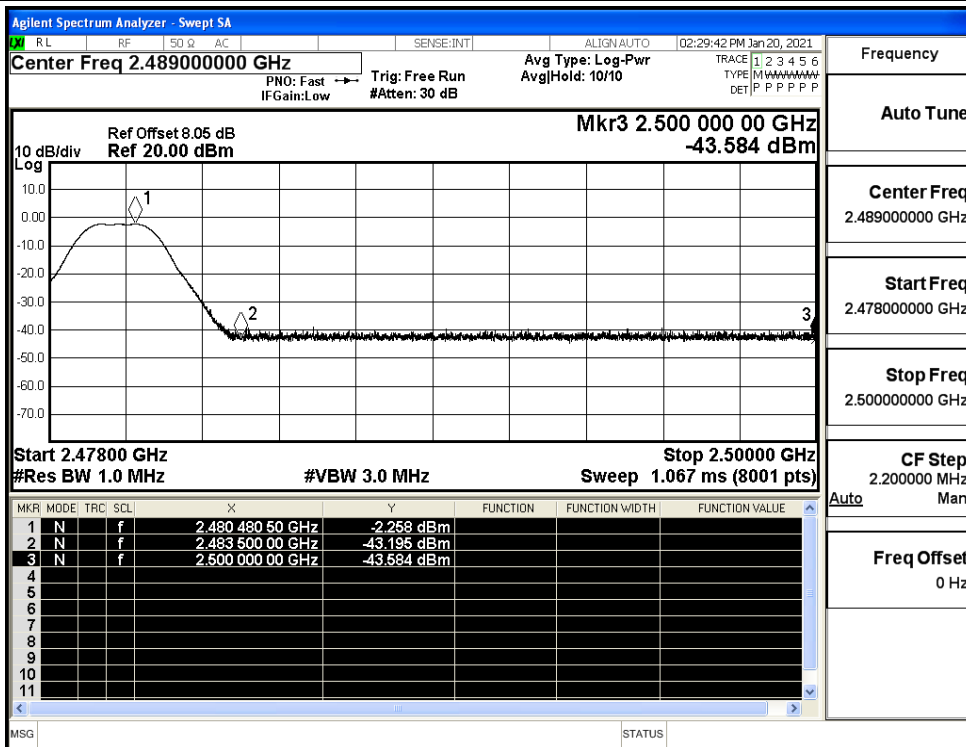
Restrict-band band-edge measurements_BT 2LE_2402_Ant1_PEAK



Restrict-band band-edge measurements_BT 2LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT 2LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT 2LE_2480_Ant1_AV

