

Appendix A

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

Product Name: Watch

Trade Mark: DOOGEE

Test Model: CR1

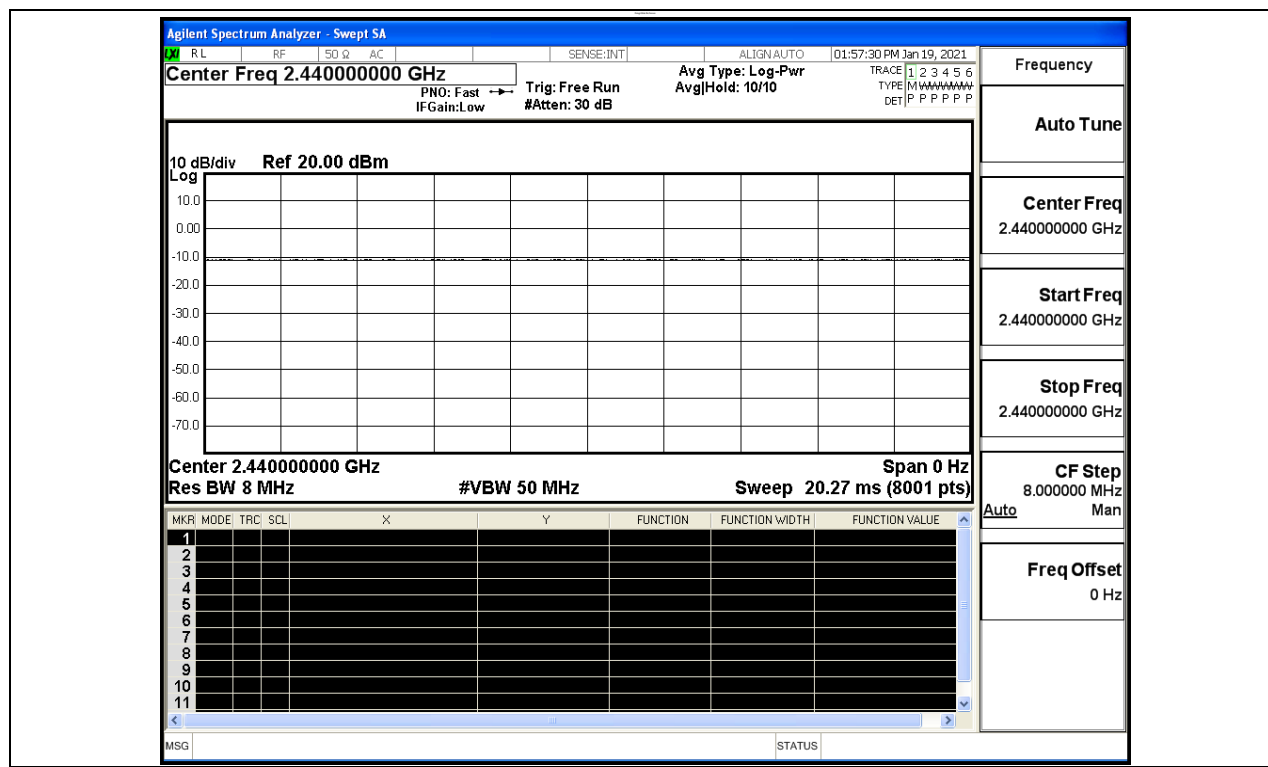
Environmental Conditions

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

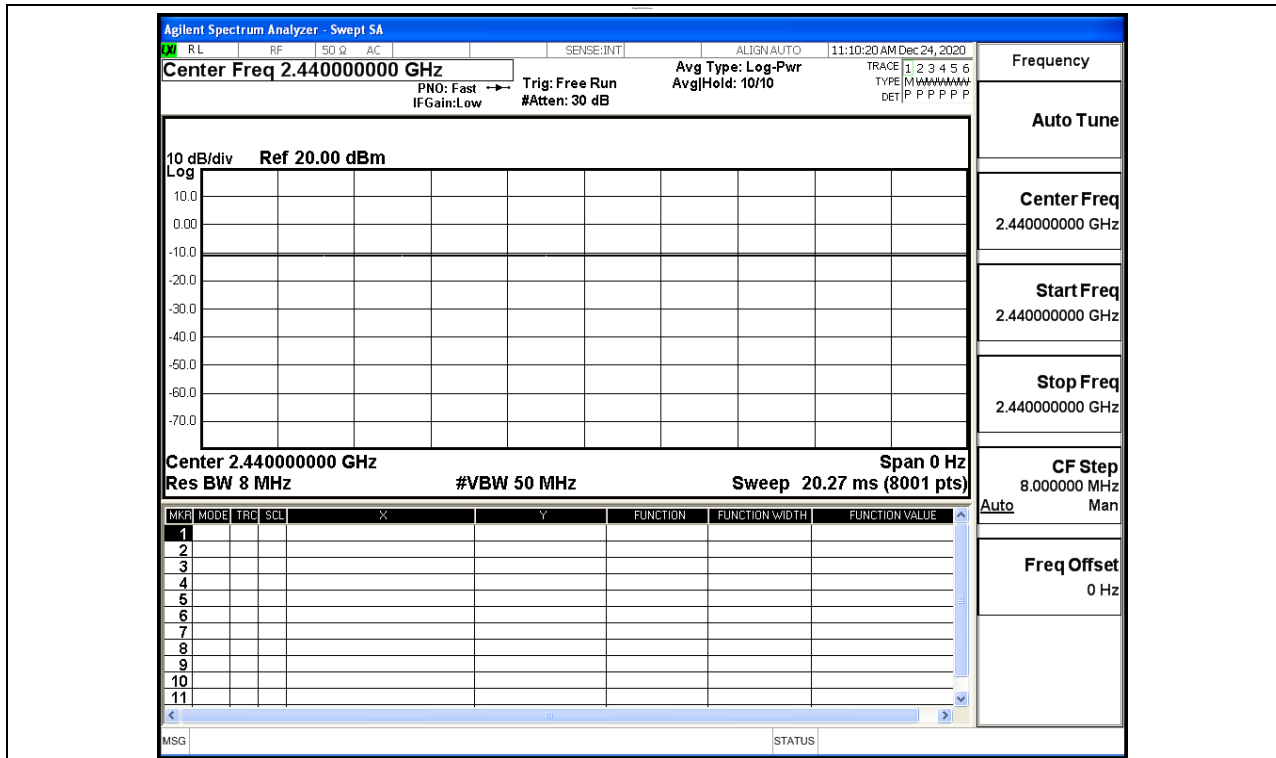
BT LE

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



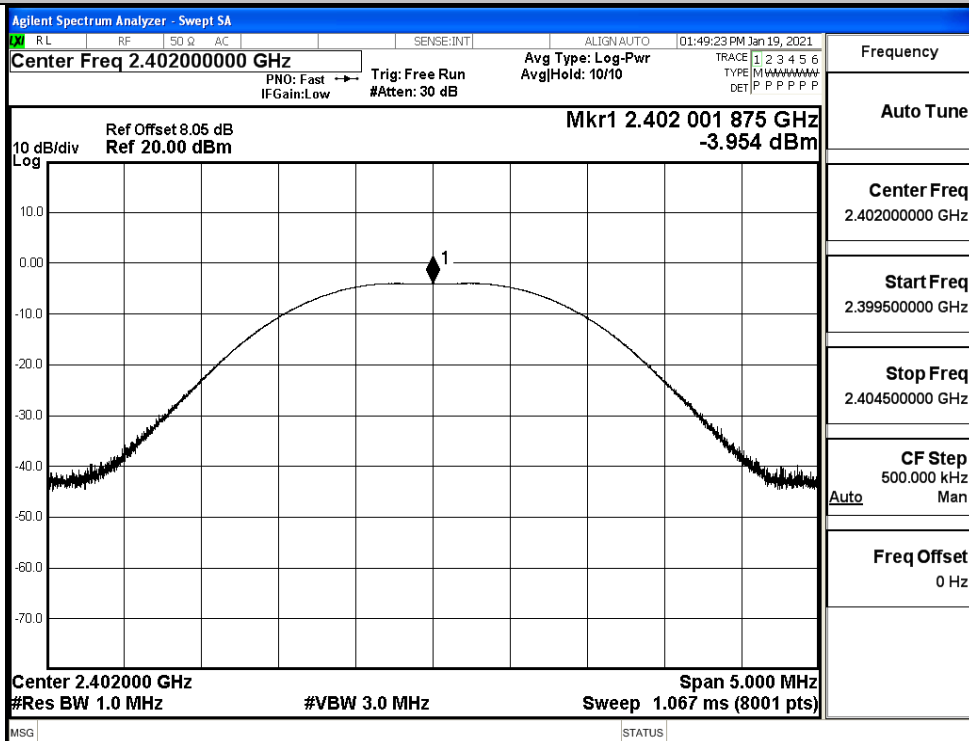
A.2 Maximum Conducted Peak Output Power

BT LE

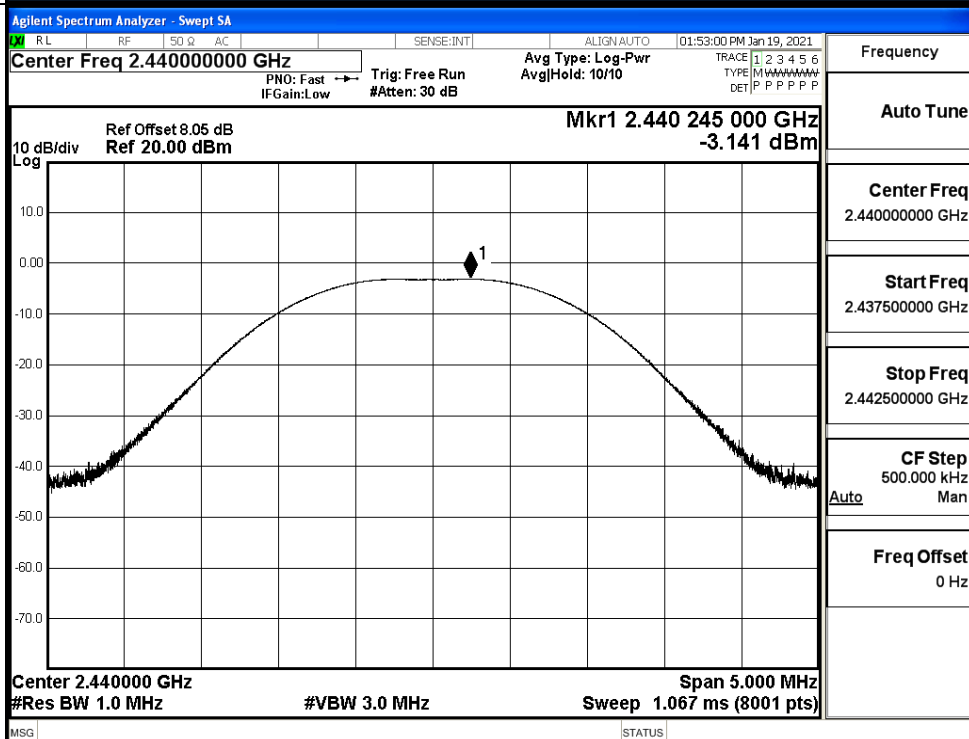
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.954	30	PASS
BT LE	MCH	-3.141	30	PASS
BT LE	HCH	-2.352	30	PASS

Test Graphs

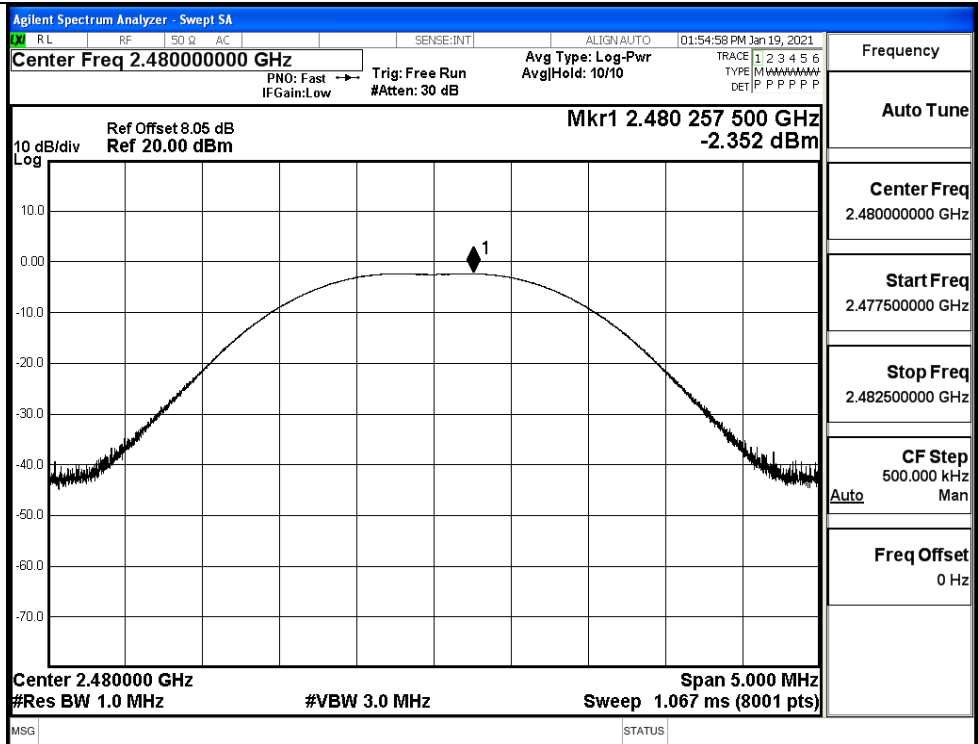
LCH



MCH



HCH

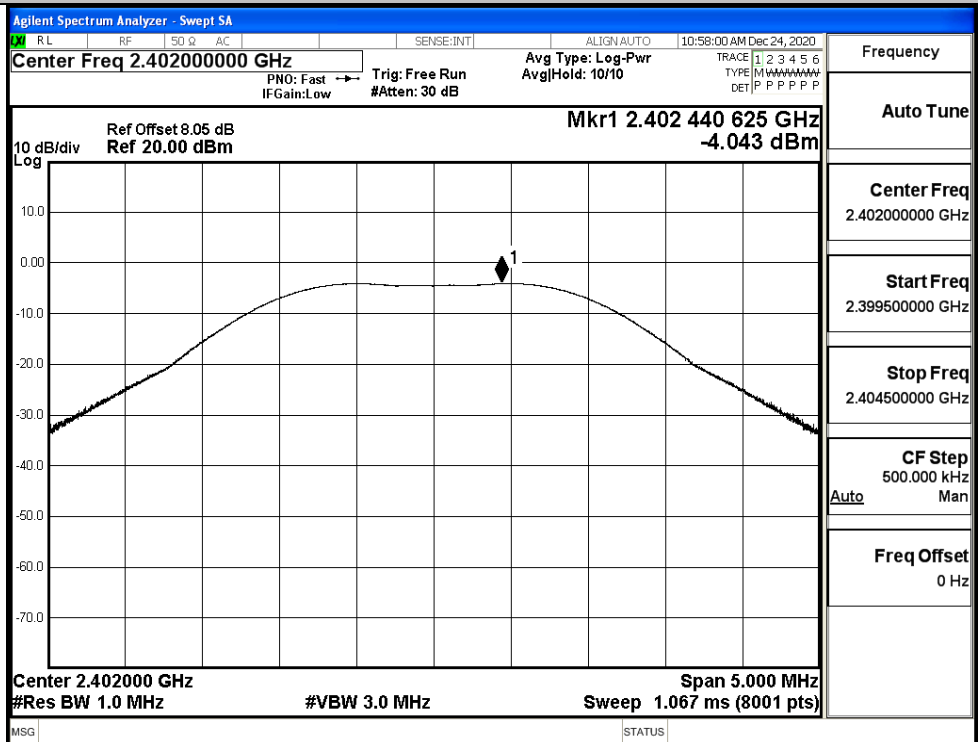


BT 2LE

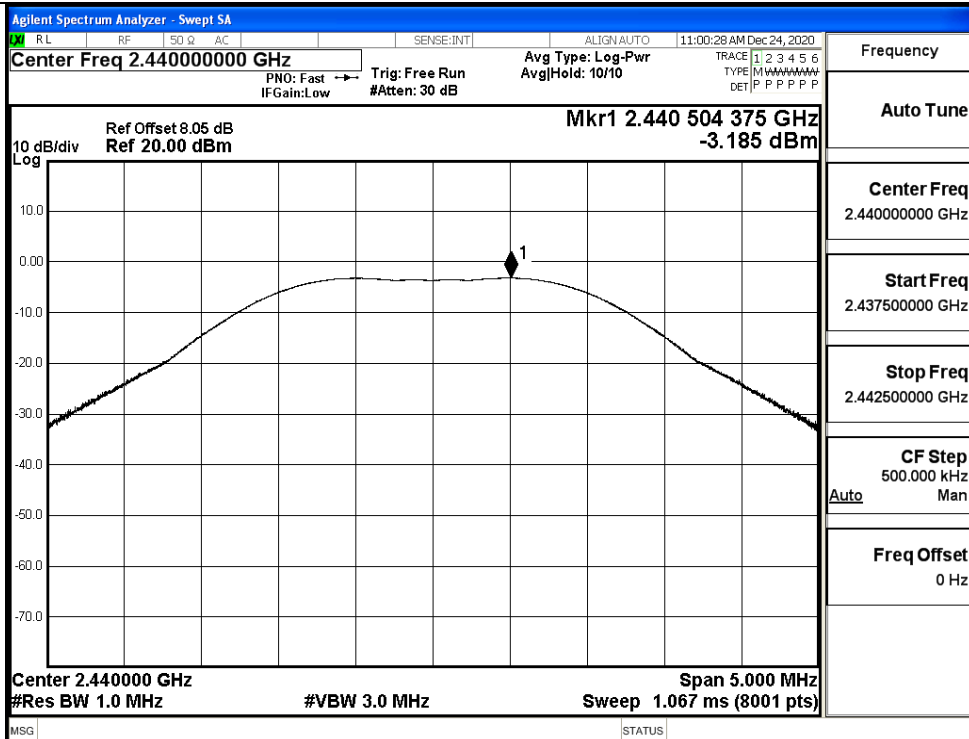
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-4.043	30	PASS
BT 2LE	MCH	-3.185	30	PASS
BT 2LE	HCH	-2.559	30	PASS

Test Graphs

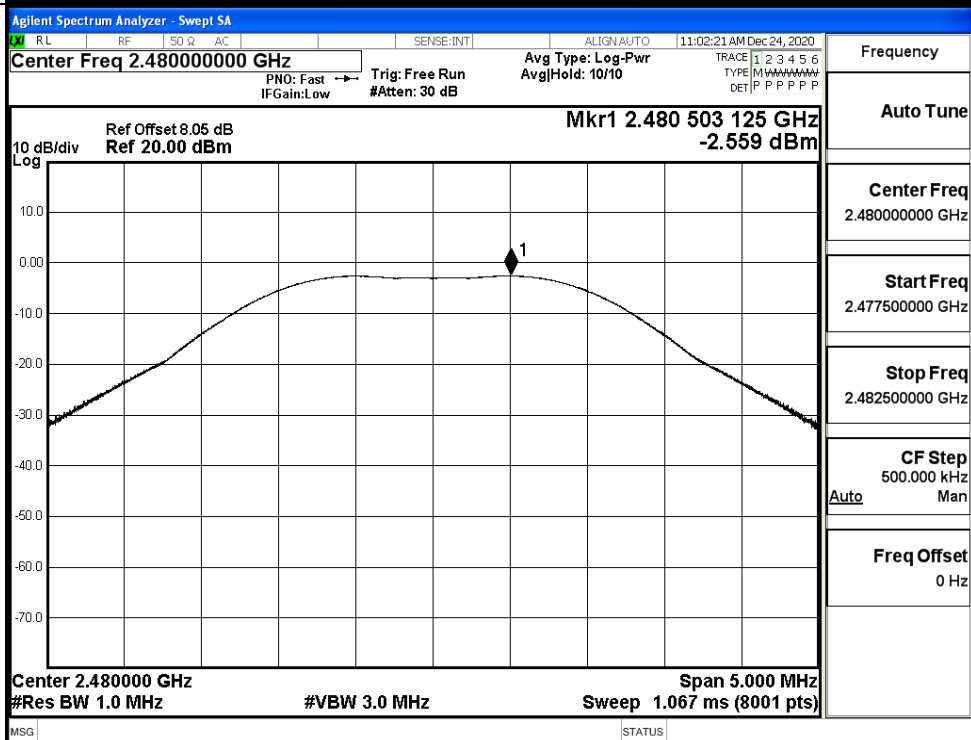
LCH



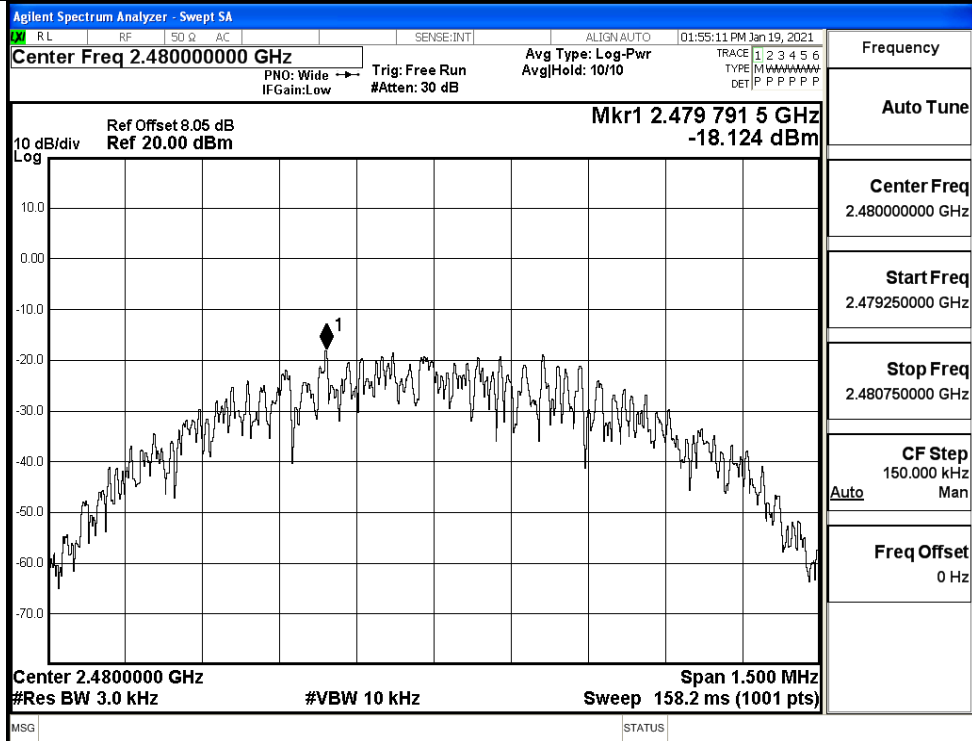
MCH



HCH



HCH

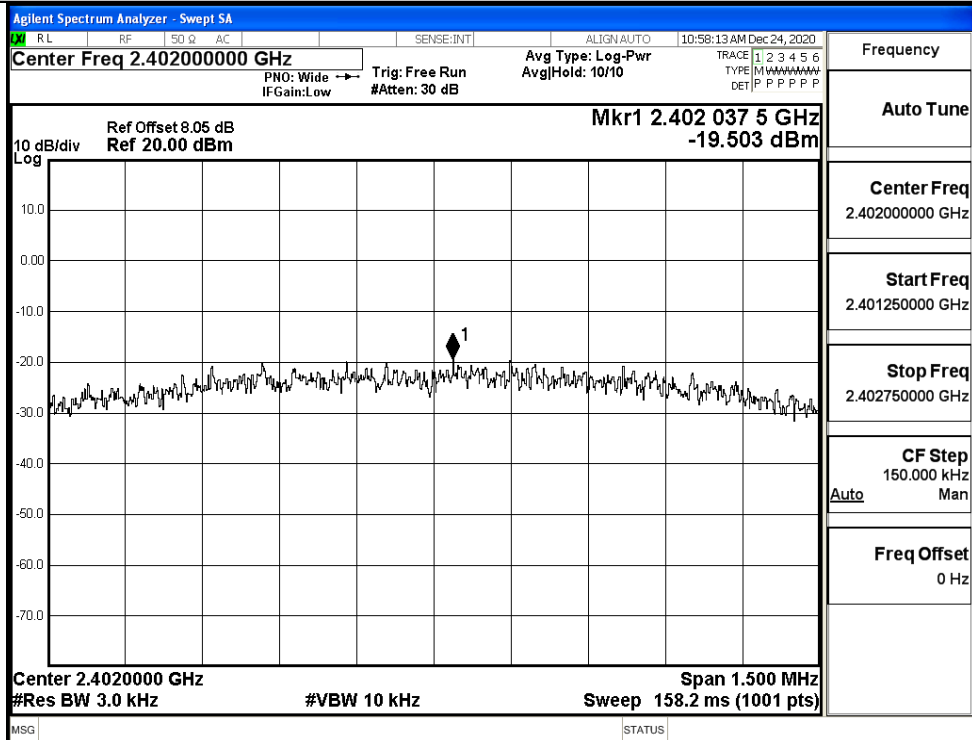


BT 2LE

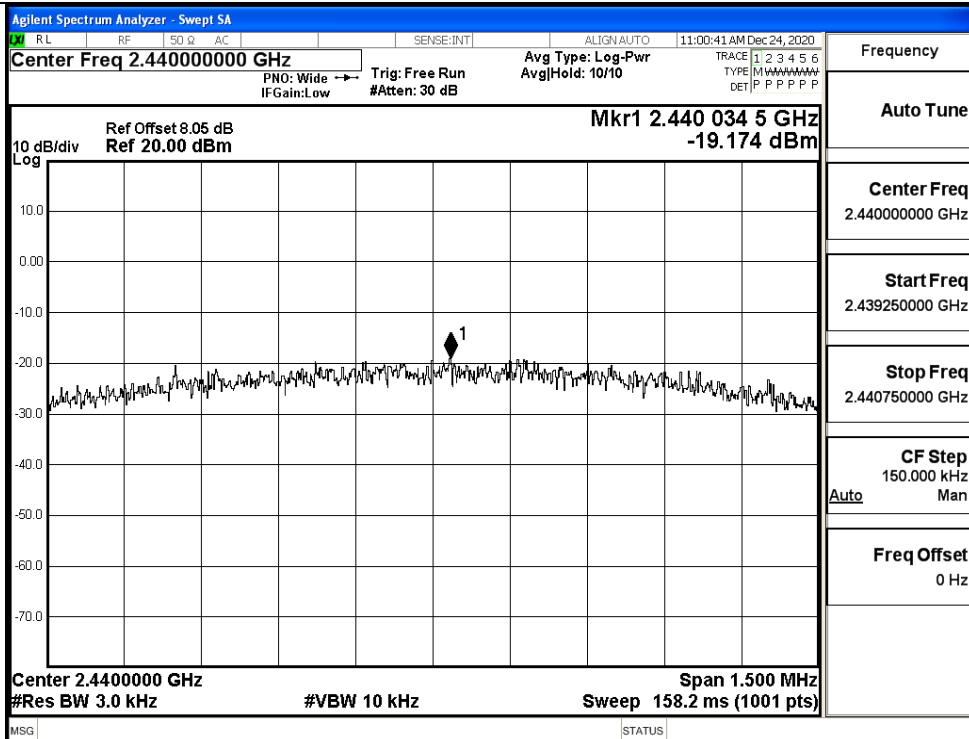
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT 2LE	LCH	-19.503	8	PASS
BT 2LE	MCH	-19.174	8	PASS
BT 2LE	HCH	-17.606	8	PASS

Test Graphs

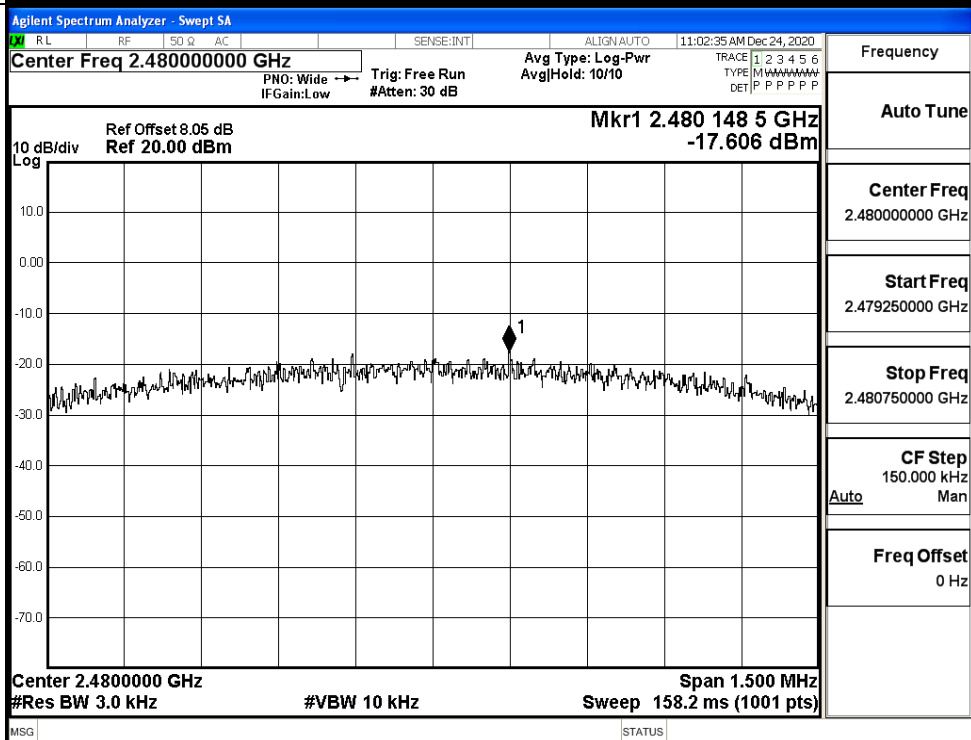
LCH



MCH



HCH



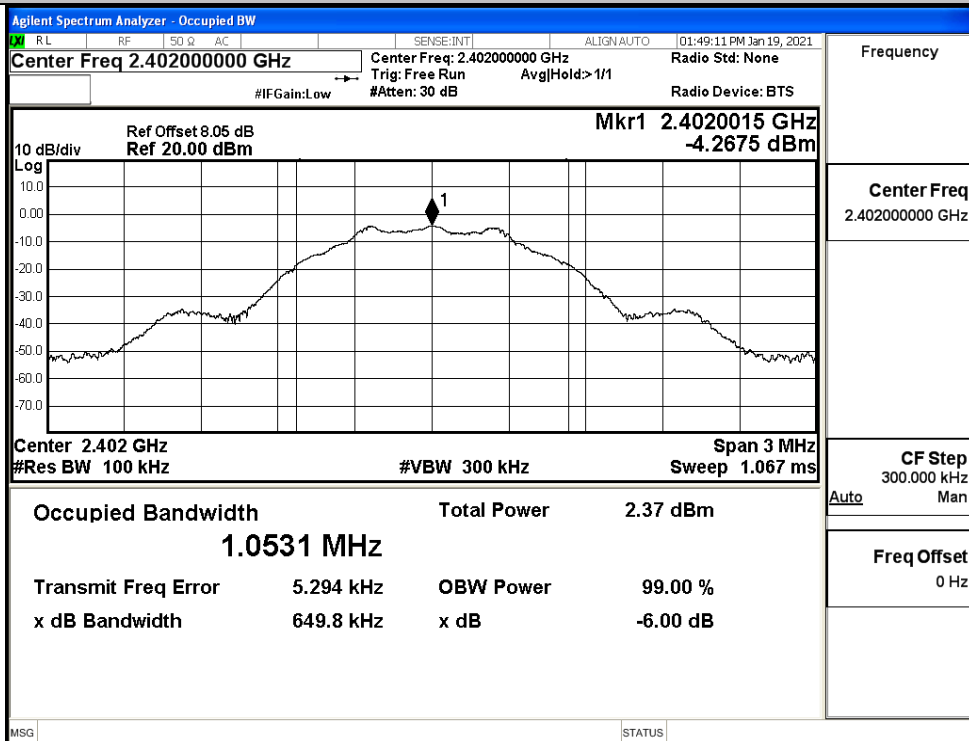
A.4 6dB Bandwidth

BT LE

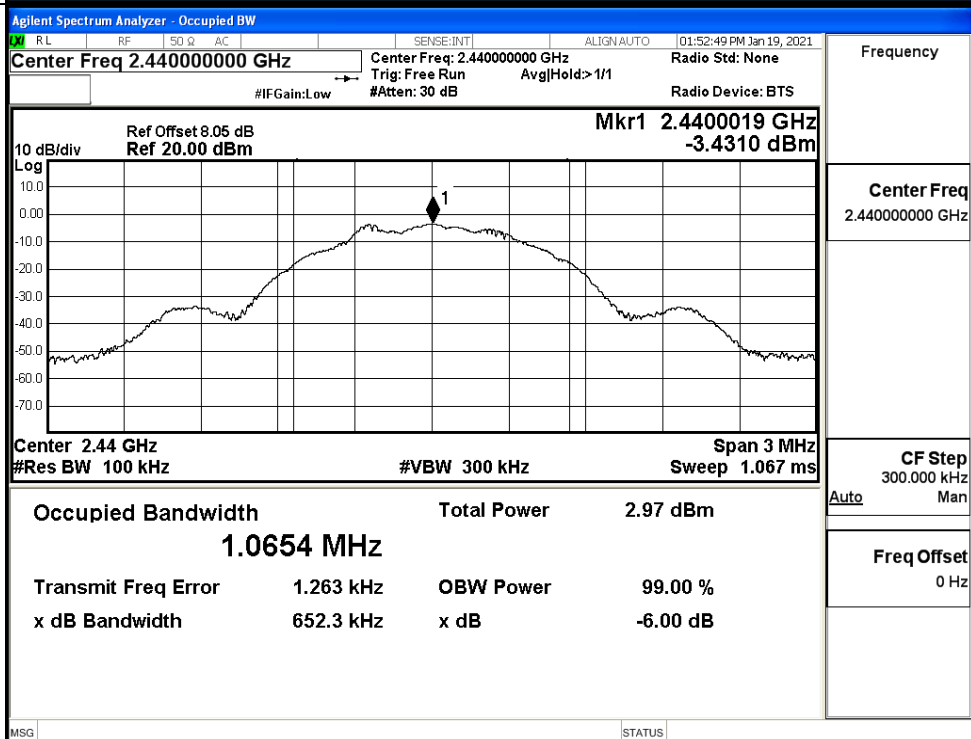
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6498	≥ 0.5	PASS
BT LE	MCH	0.6523	≥ 0.5	PASS
BT LE	HCH	0.6639	≥ 0.5	PASS

Test Graphs

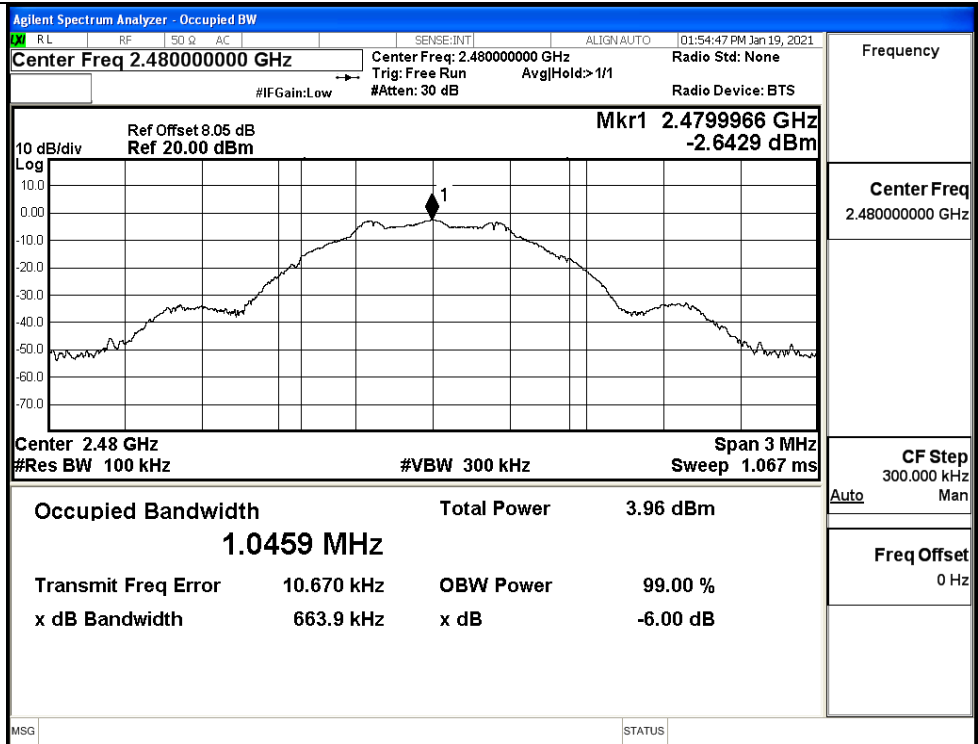
LCH



MCH



HCH

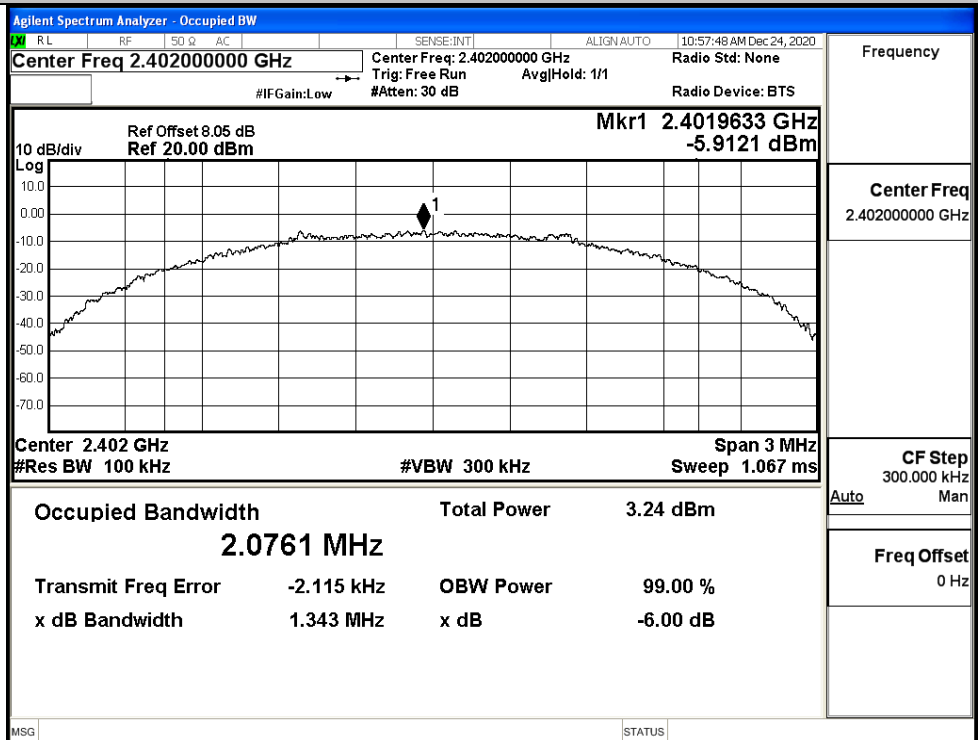


BT 2LE

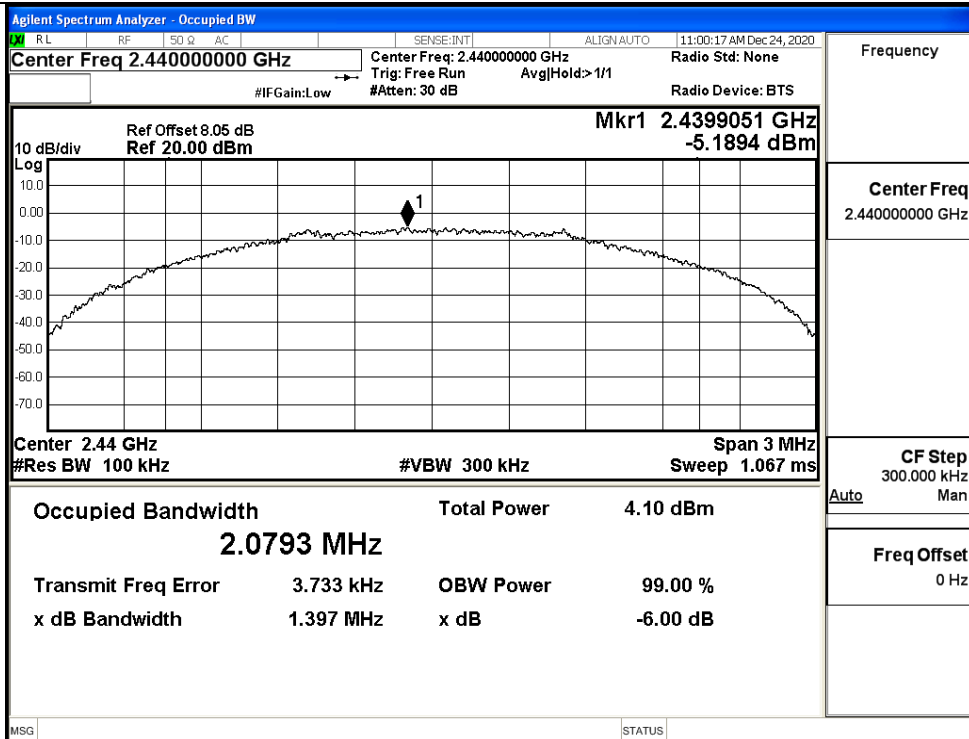
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT 2LE	LCH	1.343	≥ 0.5	PASS
BT 2LE	MCH	1.397	≥ 0.5	PASS
BT 2LE	HCH	1.390	≥ 0.5	PASS

Test Graphs

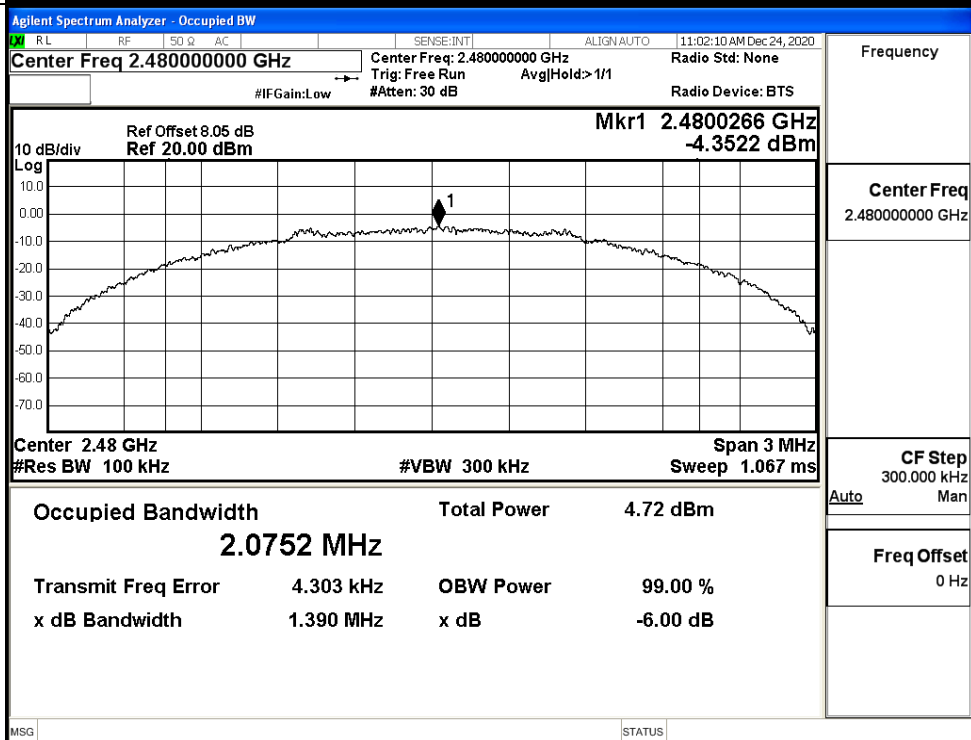
LCH



MCH



HCH



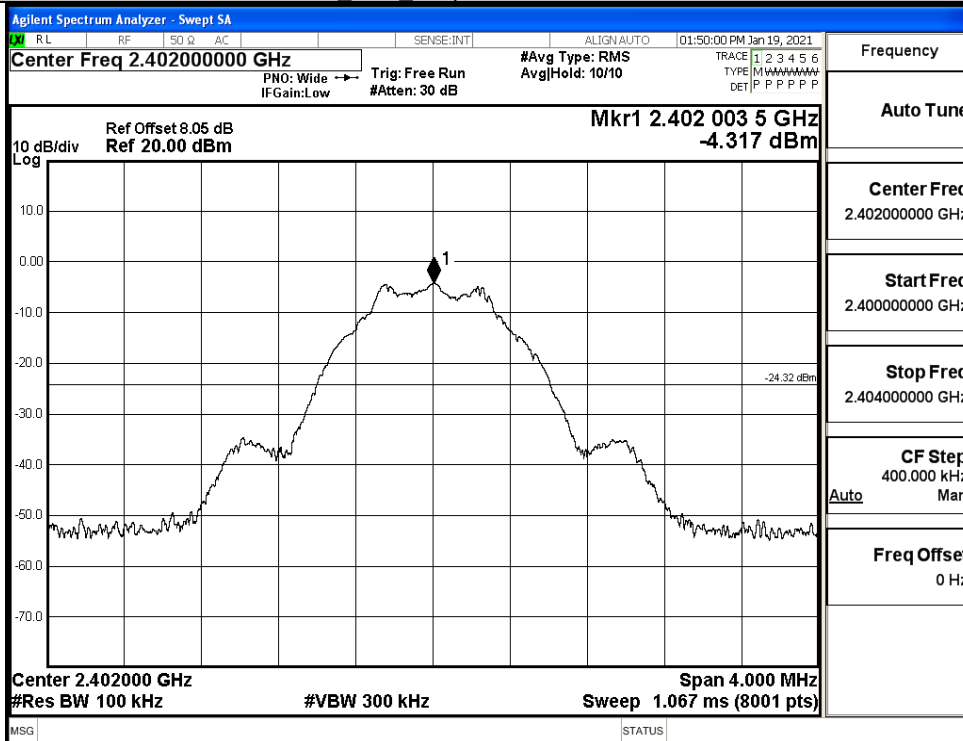
A.5 RF Conducted Spurious Emissions

BT LE

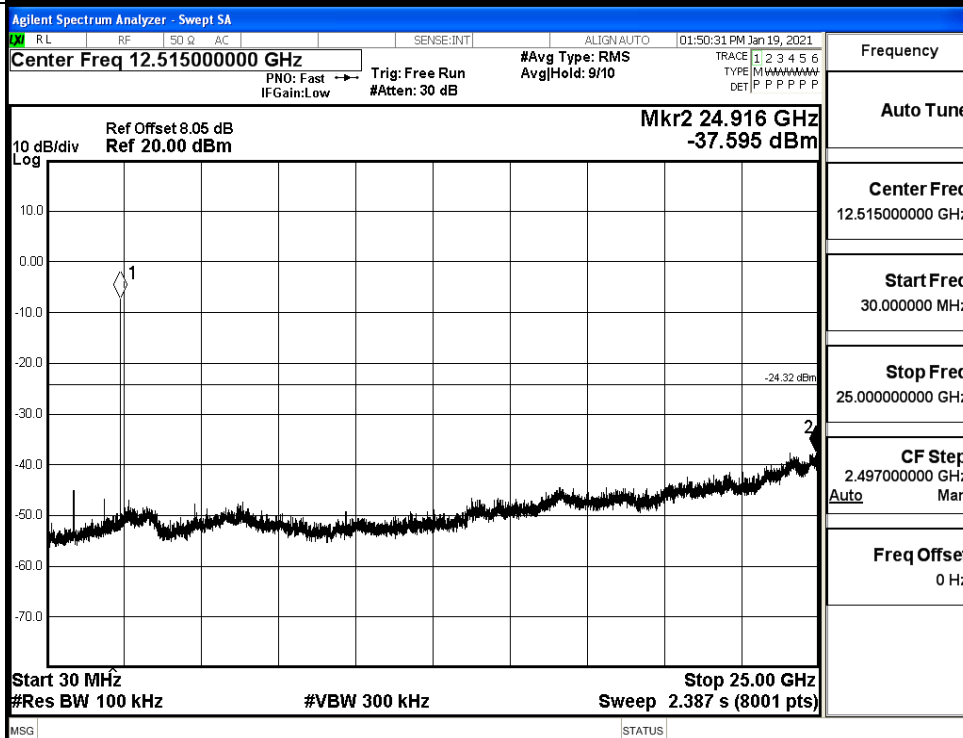
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.317	-37.595	-24.317	PASS
BT LE	MCH	-3.539	-36.967	-23.539	PASS
BT LE	HCH	-2.643	-36.268	-22.643	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

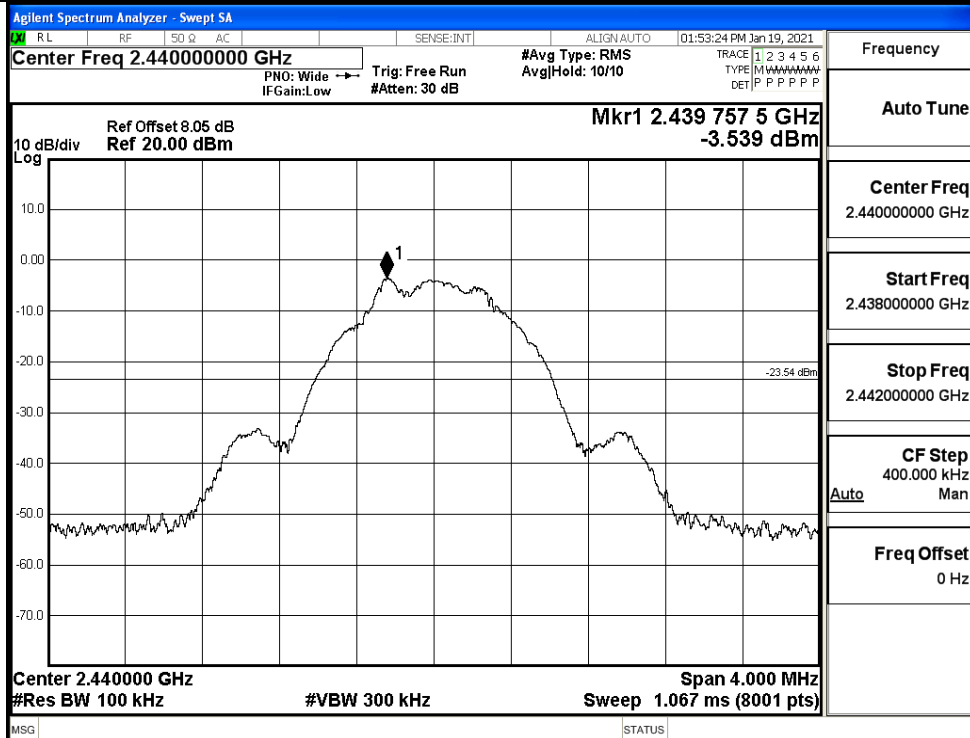


Puw/BT LE/LCH

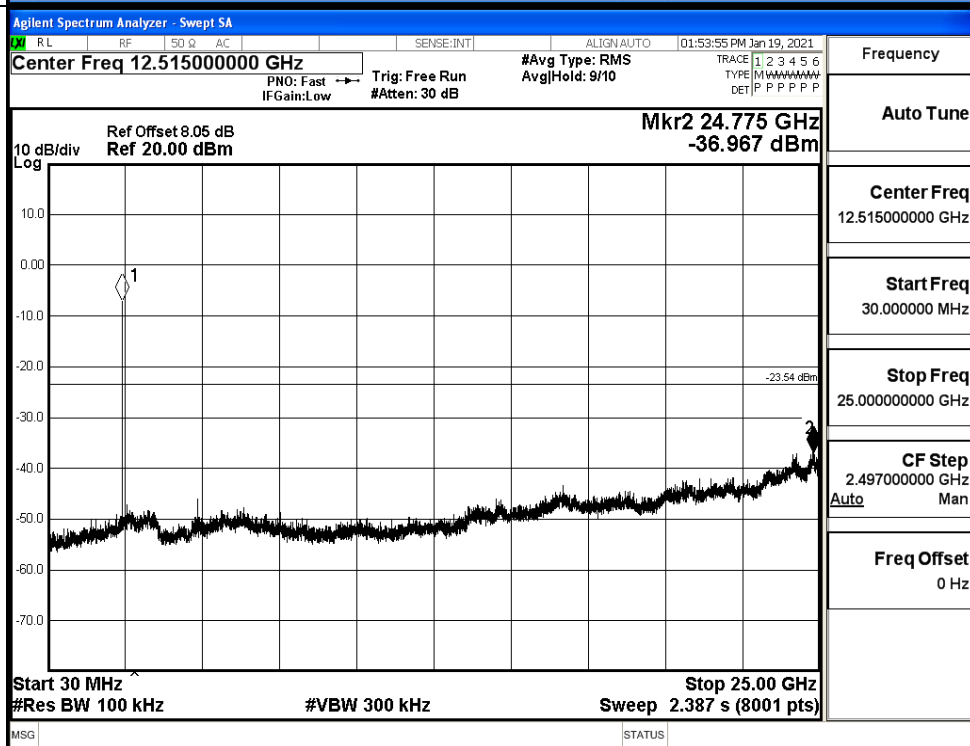


BT LE MCH Graphs

Pref/BT LE/MCH

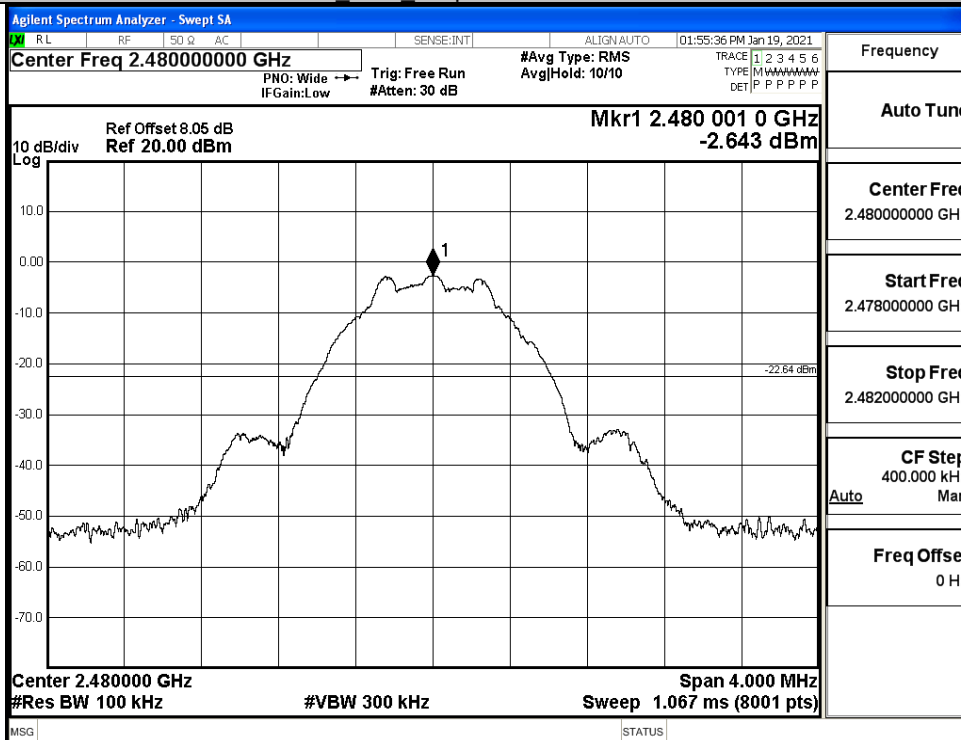


Puw/BT LE/MCH

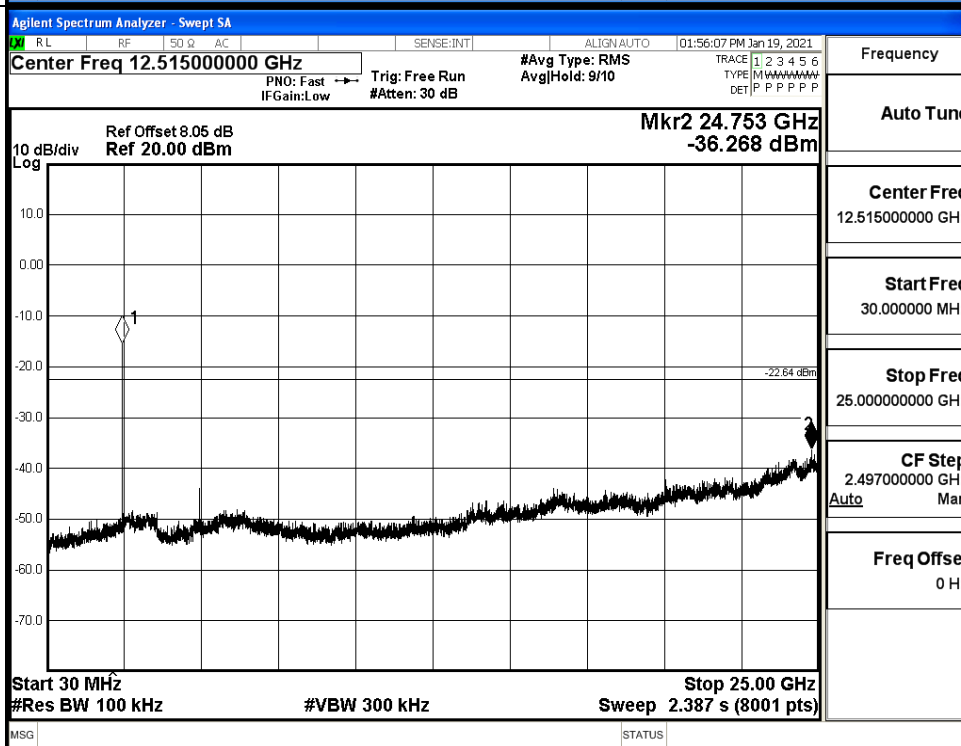


BT LE HCH Graphs

Pref/BT LE/HCH



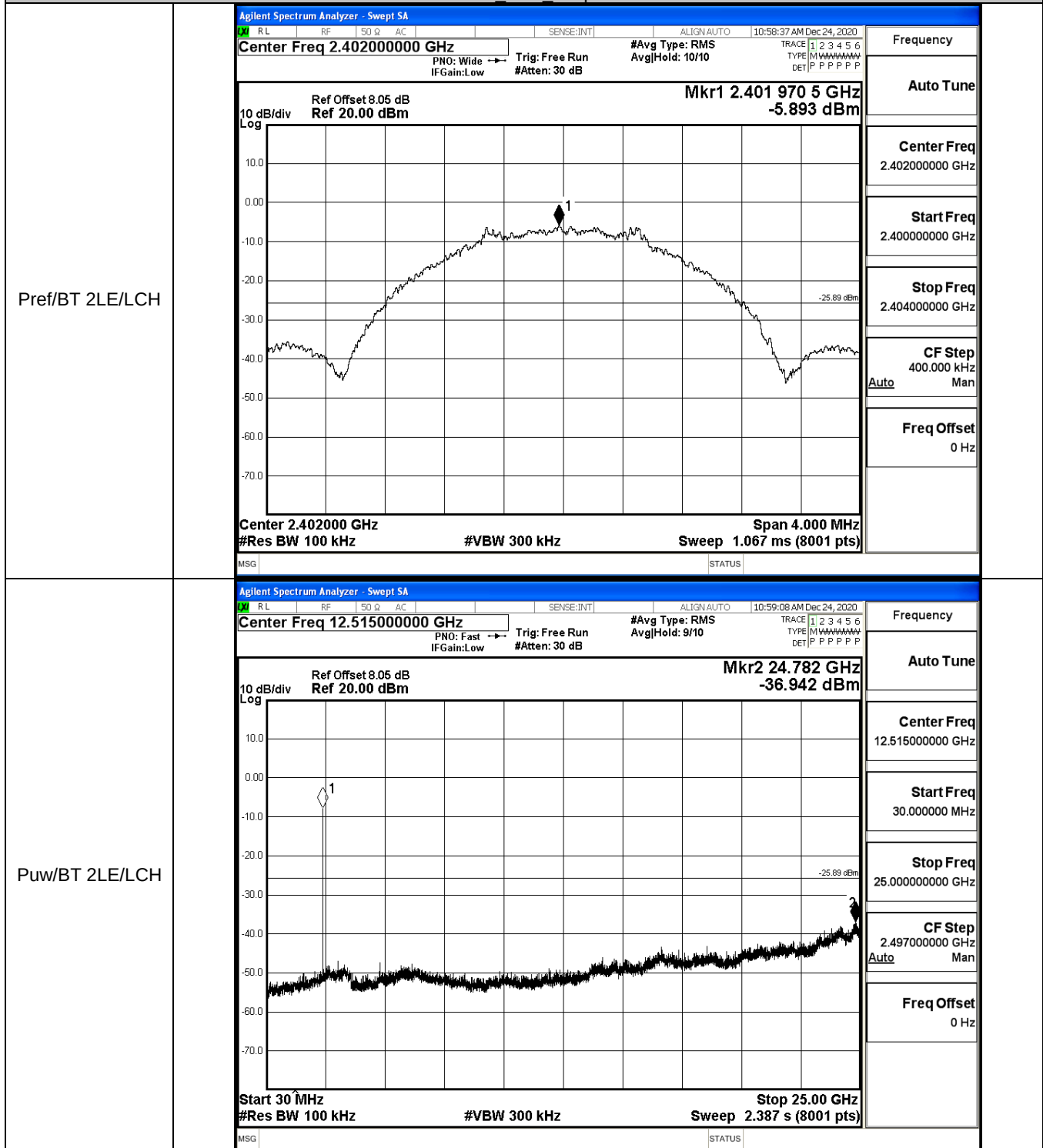
Puw/BT LE/HCH



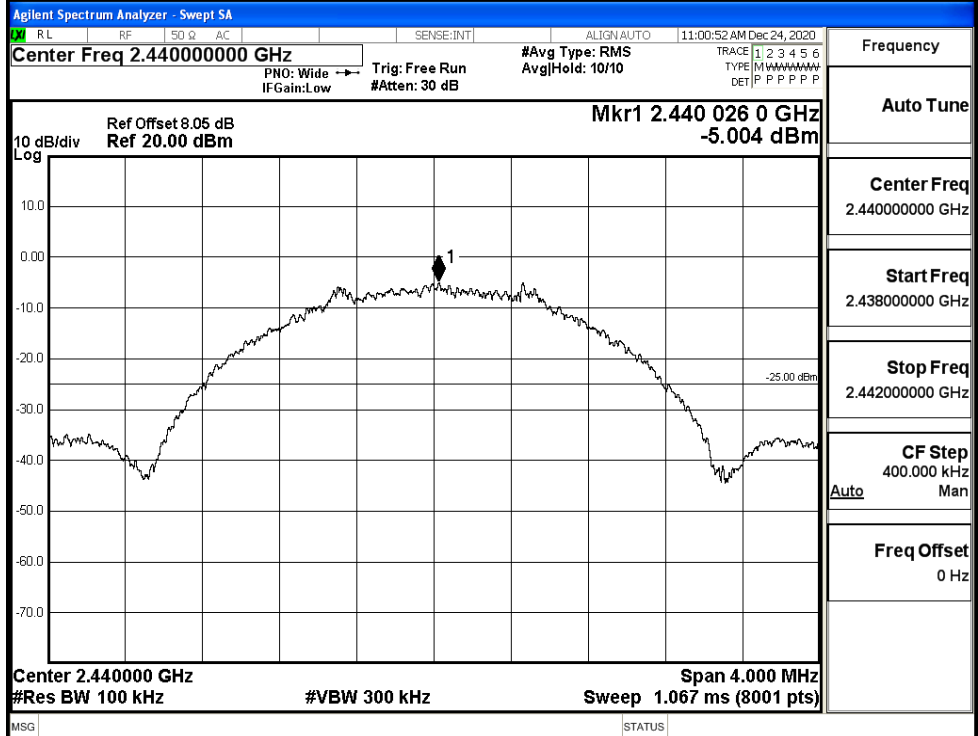
BT 2LE

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-5.893	-36.942	-25.893	PASS
BT 2LE	MCH	-5.004	-36.422	-25.004	PASS
BT 2LE	HCH	-4.31	-37.087	-24.310	PASS

BT 2LE LCH Graphs

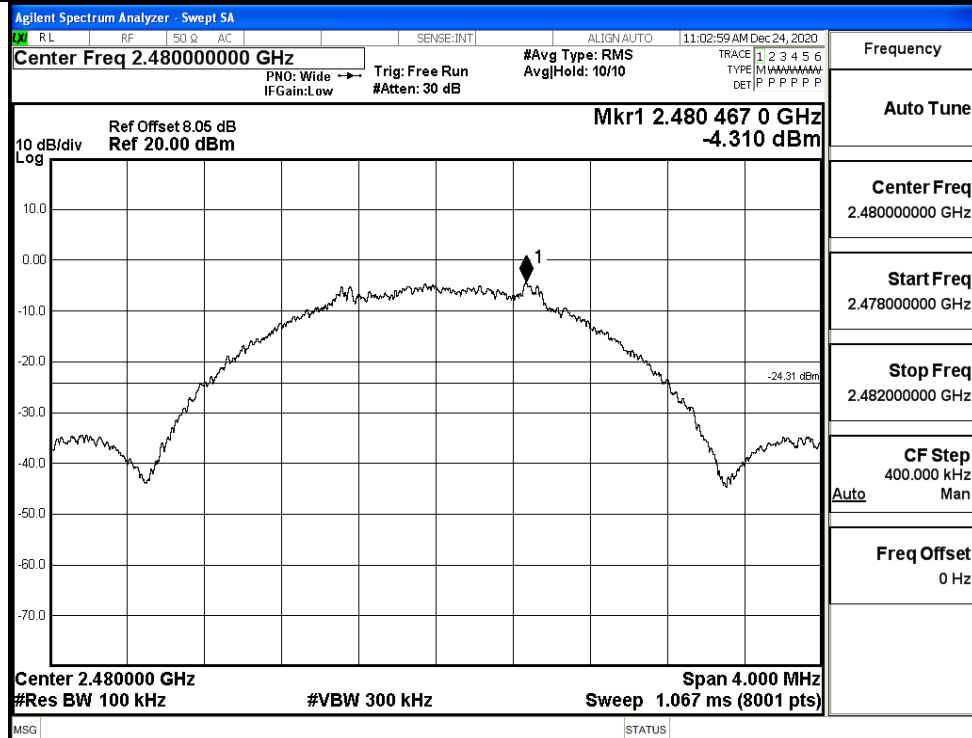
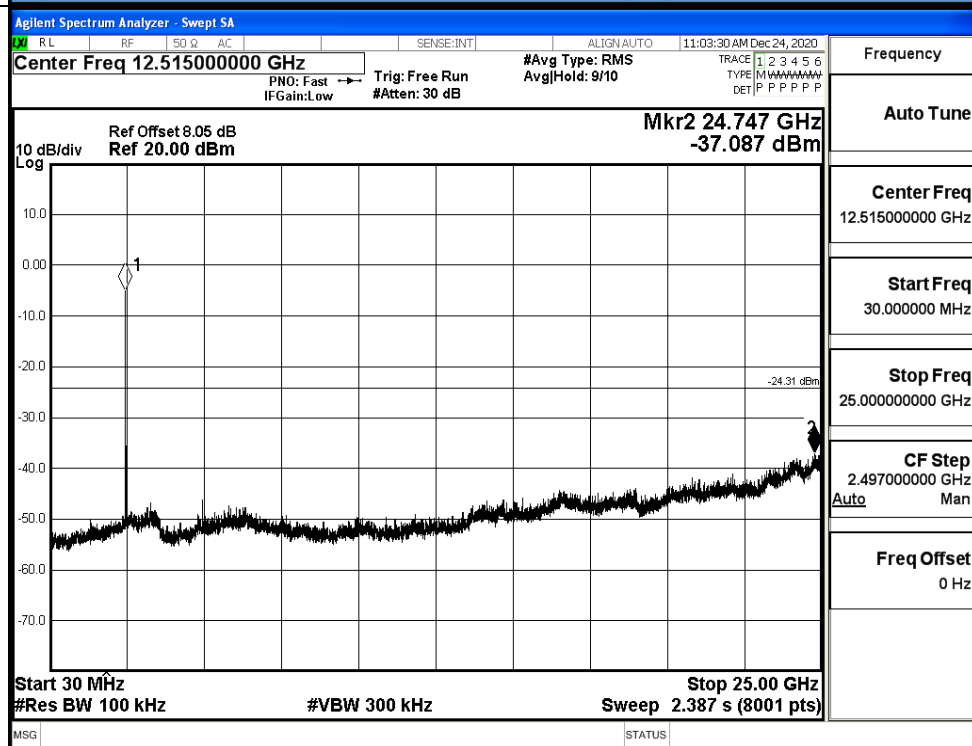


BT 2LE_MCH_Graphs

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

BT 2LE HCH Graphs

Pref/BT 2LE/HCH

Puw/BT
2LE/HCH

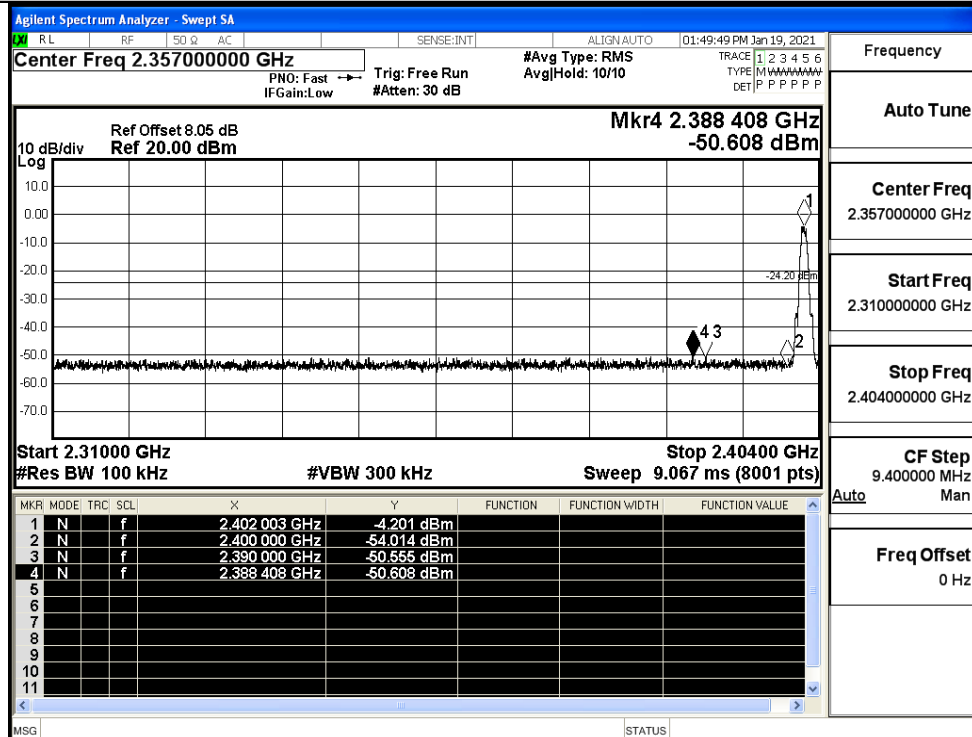
A.6 Band-edge for RF Conducted Emissions

BT LE

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.201	-50.608	-24.2	PASS
BT LE	HCH	-2.563	-48.526	-22.56	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

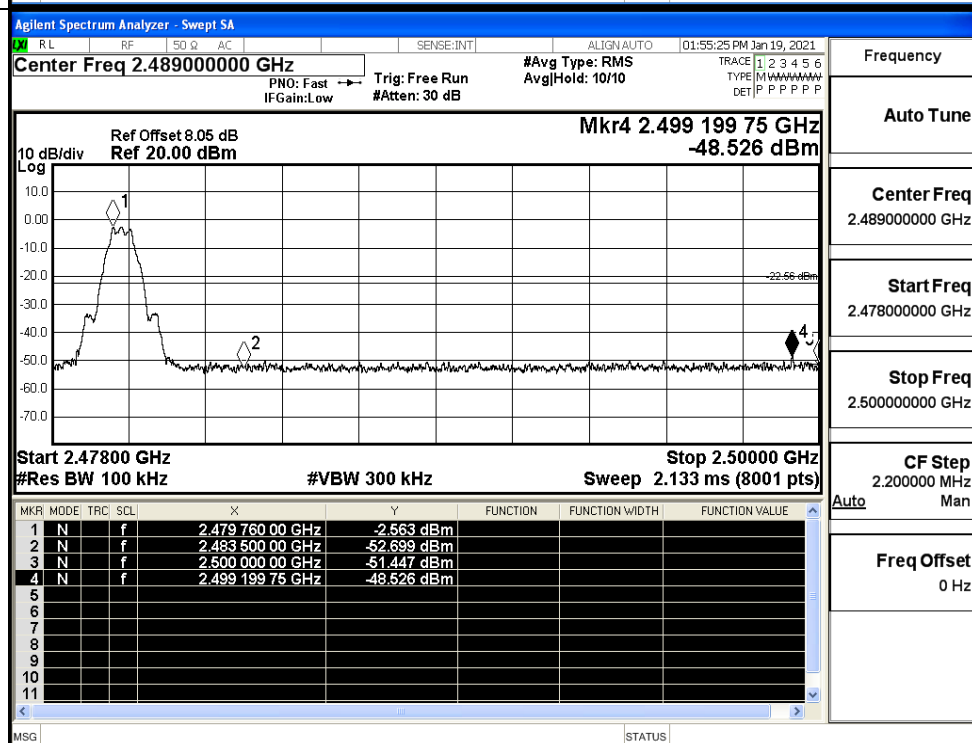
9.400000 MHz

Auto Man

Freq Offset

0 Hz

HCH



Frequency

Auto Tune

Center Freq

2.489000000 GHz

Start Freq

2.478000000 GHz

Stop Freq

2.500000000 GHz

CF Step

2.200000 MHz

Auto Man

Freq Offset

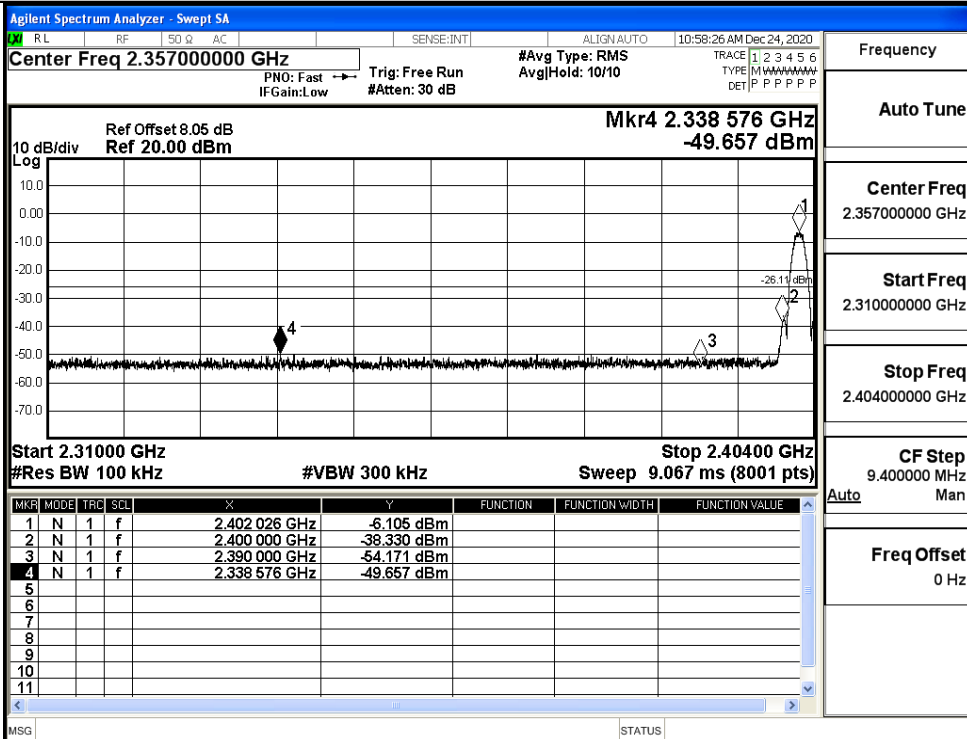
0 Hz

BT 2LE

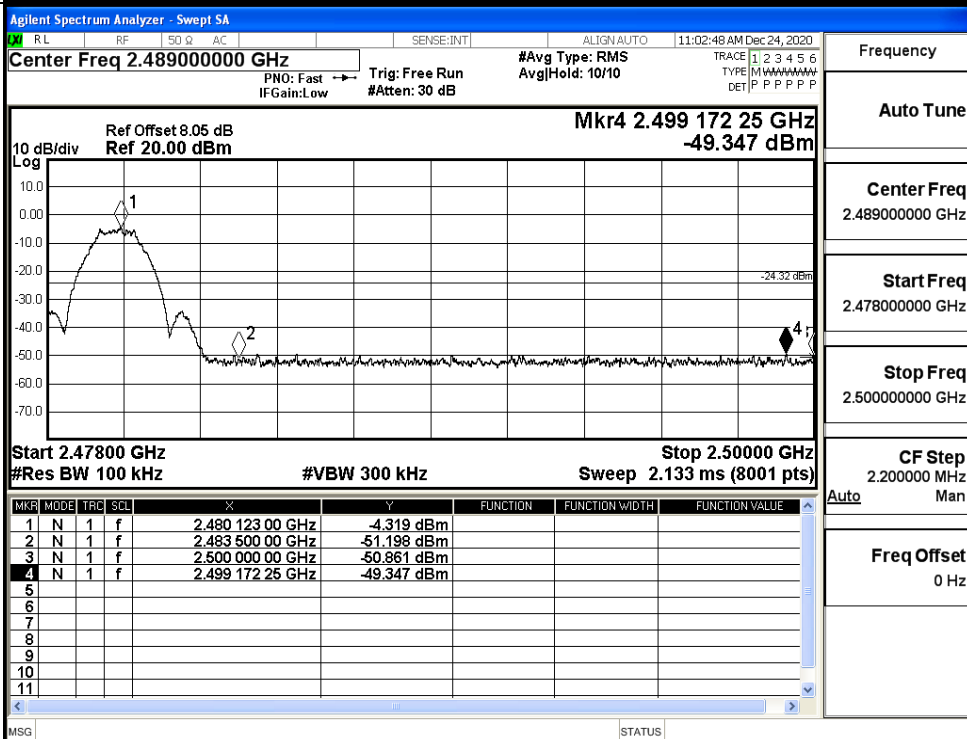
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-6.105	-49.657	-26.11	PASS
BT 2LE	HCH	-4.319	-49.347	-24.32	PASS

Test Graphs

LCH



HCH

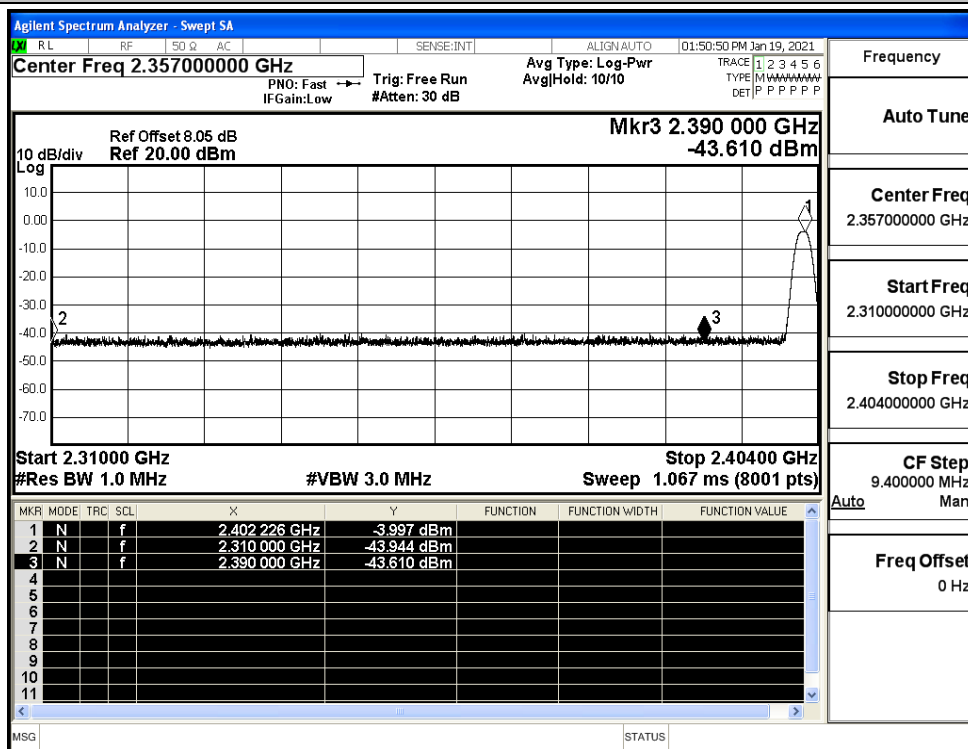


A.7 Restrict-band band-edge measurements

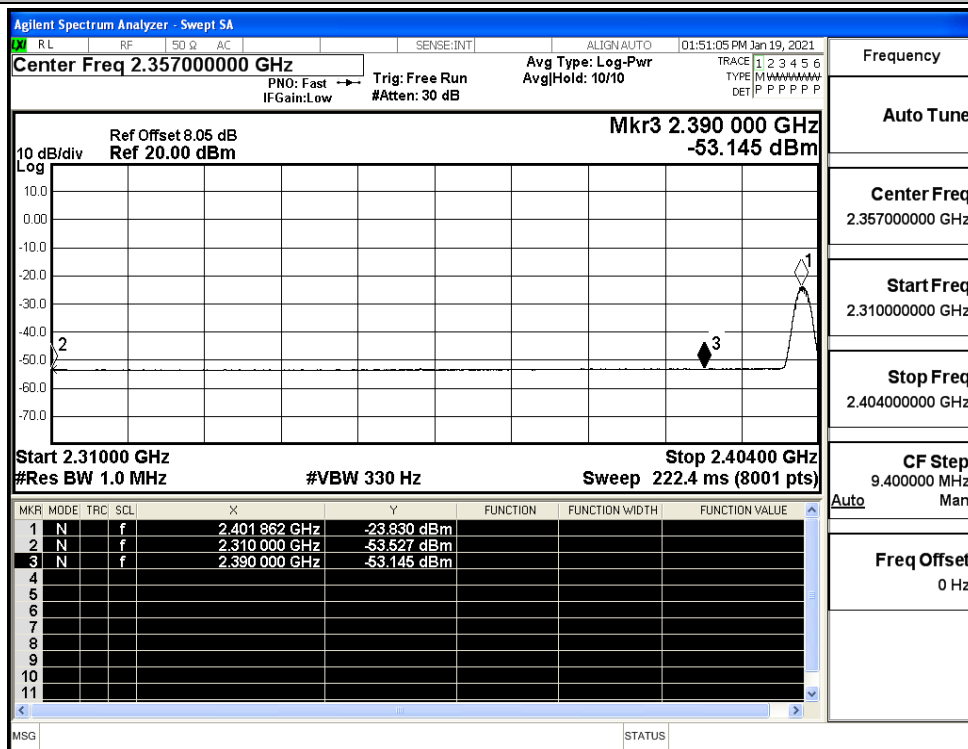
BT LE

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	-43.94	2.0	0	53.32	PEAK	74	PASS
		Ant1	2310.0	-53.53	2.0	0	43.73	AV	54	PASS
		Ant1	2390.0	-43.61	2.0	0	53.65	PEAK	74	PASS
		Ant1	2390.0	-53.15	2.0	0	44.11	AV	54	PASS
	2480	Ant1	2483.5	-42.61	2.0	0	54.65	PEAK	74	PASS
		Ant1	2483.5	-52.74	2.0	0	44.52	AV	54	PASS
		Ant1	2500.0	-42.96	2.0	0	54.30	PEAK	74	PASS
		Ant1	2500.0	-52.62	2.0	0	44.64	AV	54	PASS

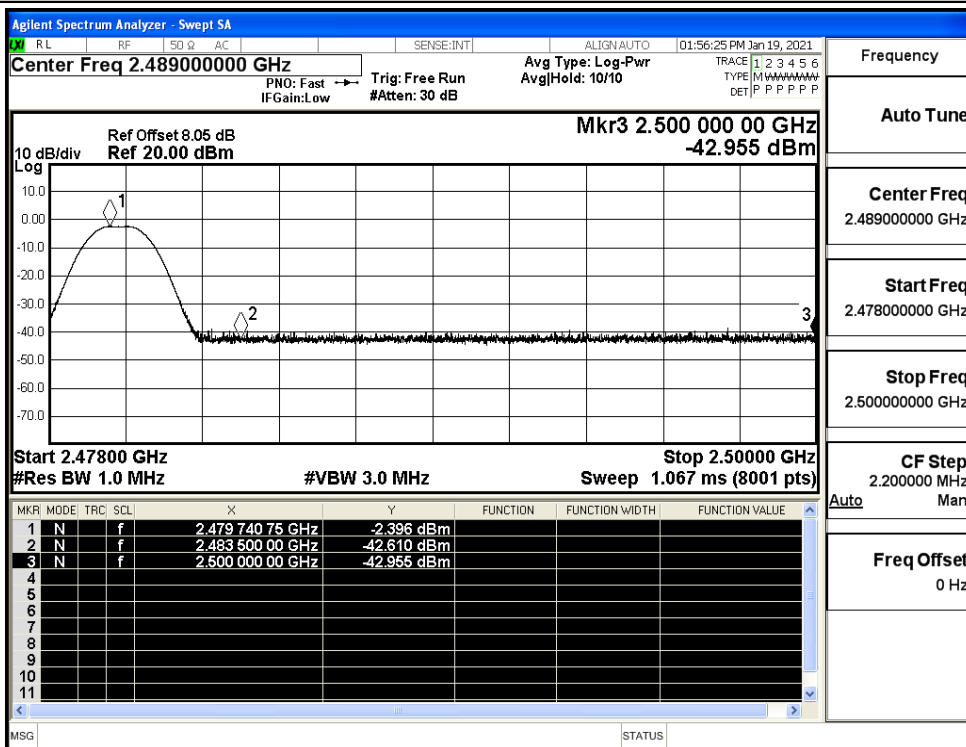
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



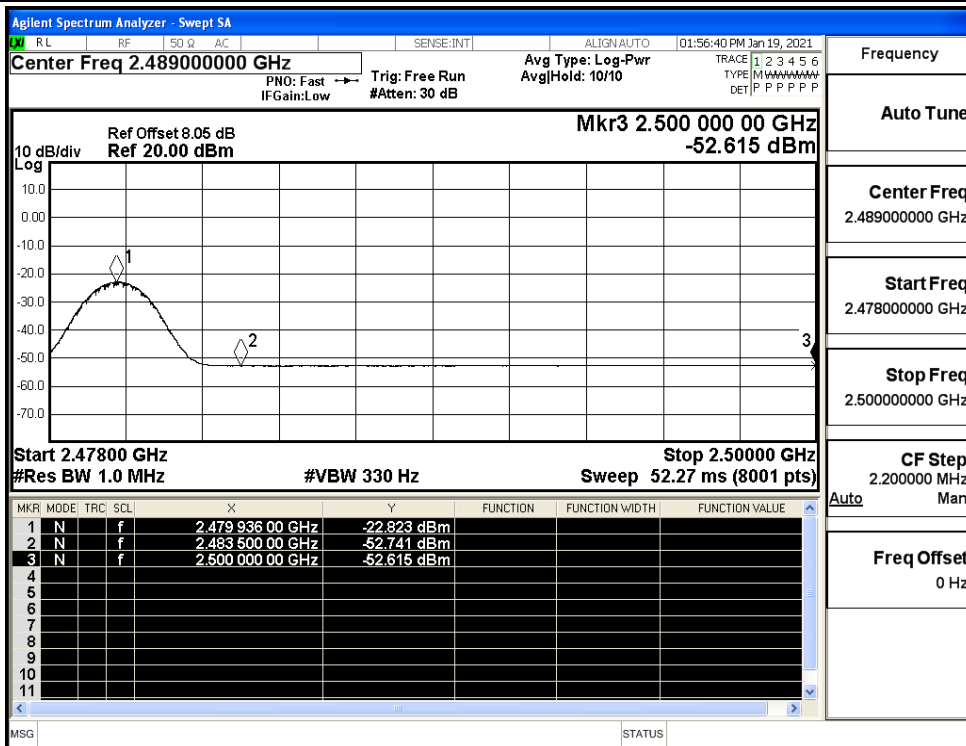
Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



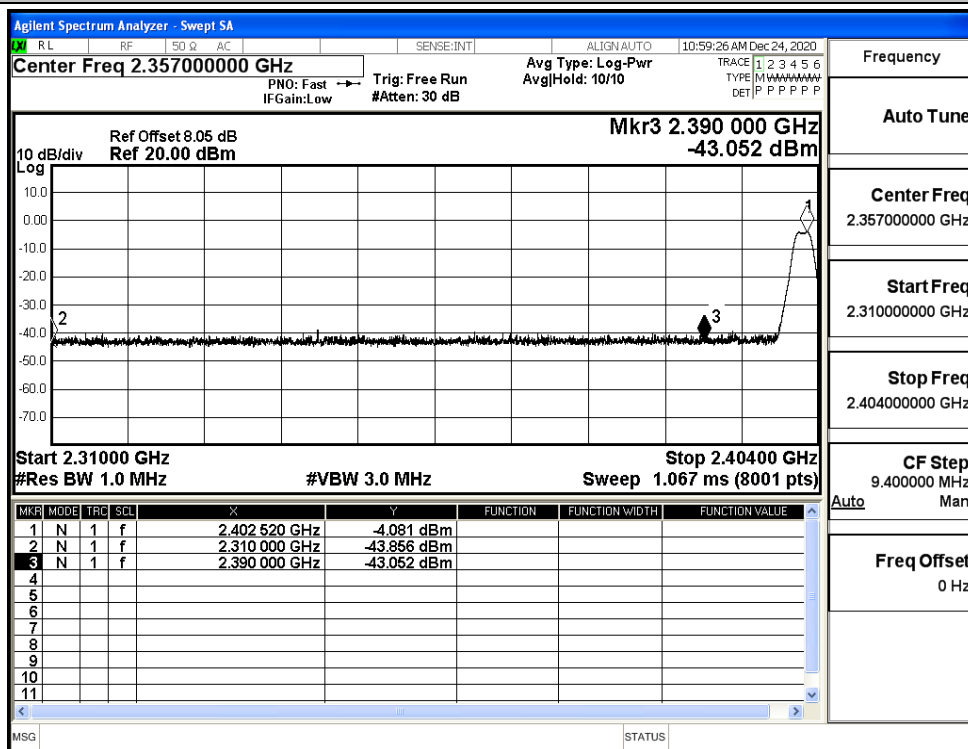
Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



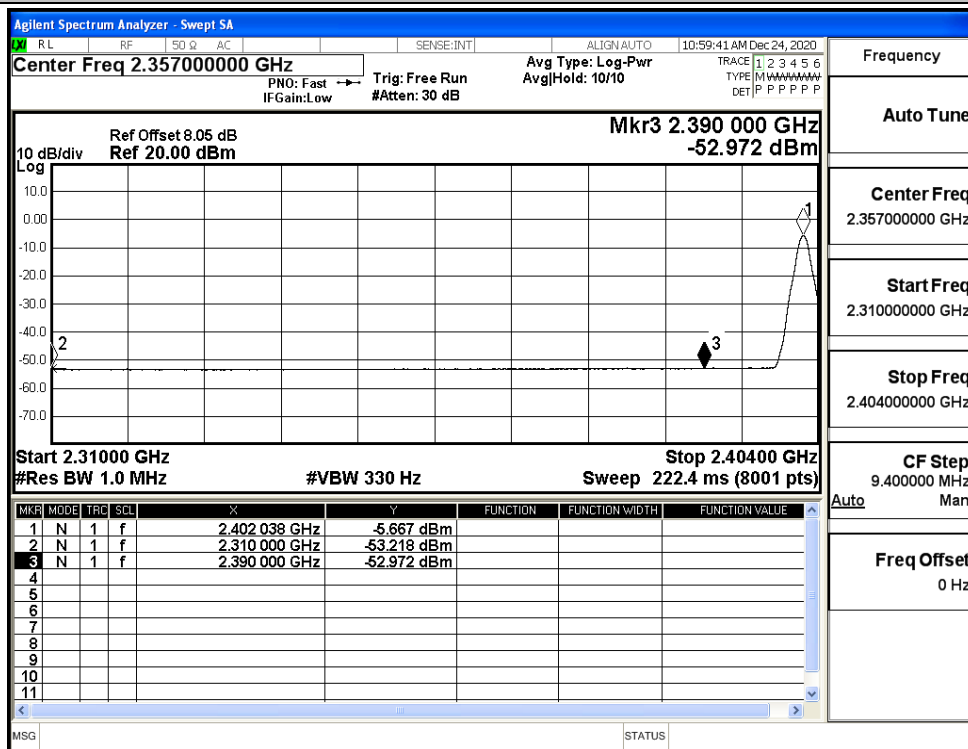
BT 2LE

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	-43.86	2.0	0	53.40	PEAK	74	PASS
		Ant1	2310.0	-53.22	2.0	0	44.04	AV	54	PASS
		Ant1	2390.0	-43.05	2.0	0	54.21	PEAK	74	PASS
		Ant1	2390.0	-52.97	2.0	0	44.29	AV	54	PASS
	2480	Ant1	2483.5	-41.58	2.0	0	55.68	PEAK	74	PASS
		Ant1	2483.5	-51.81	2.0	0	45.45	AV	54	PASS
		Ant1	2500.0	-40.78	2.0	0	56.48	PEAK	74	PASS
		Ant1	2500.0	-52.41	2.0	0	44.85	AV	54	PASS

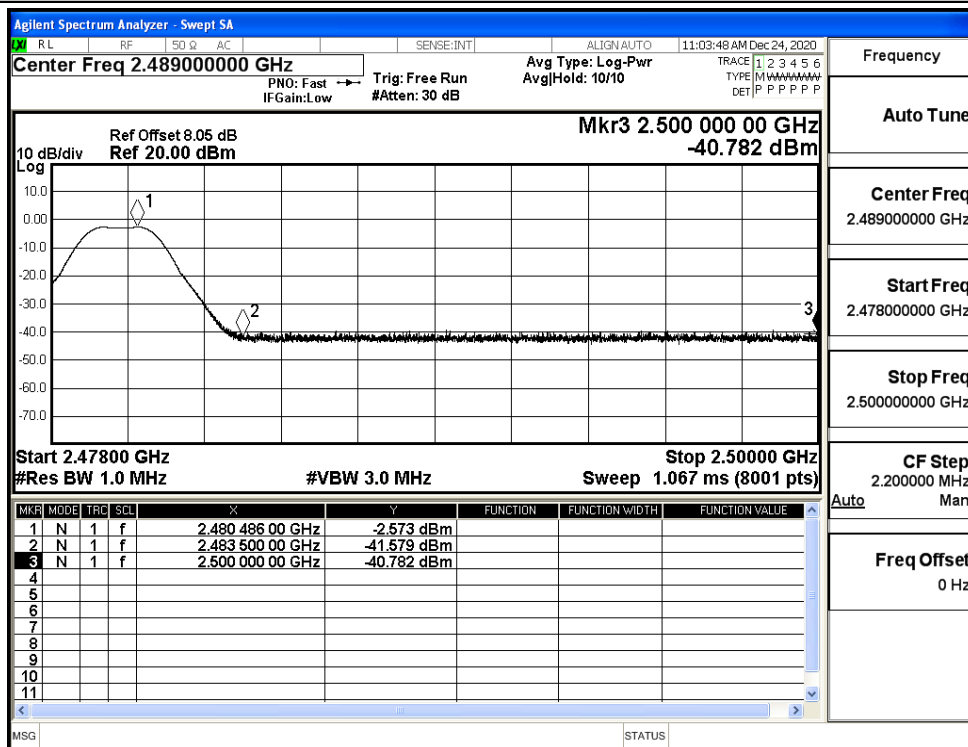
Restrict-band band-edge measurements_BT 2LE_2402_Ant1_PEAK



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

