

Appendix A

RF Test Data for BT V5.1 (Conducted Measurement)

Product Name: Watch RIG

Trade Mark: Veepoo

Test Model: RIG Pro

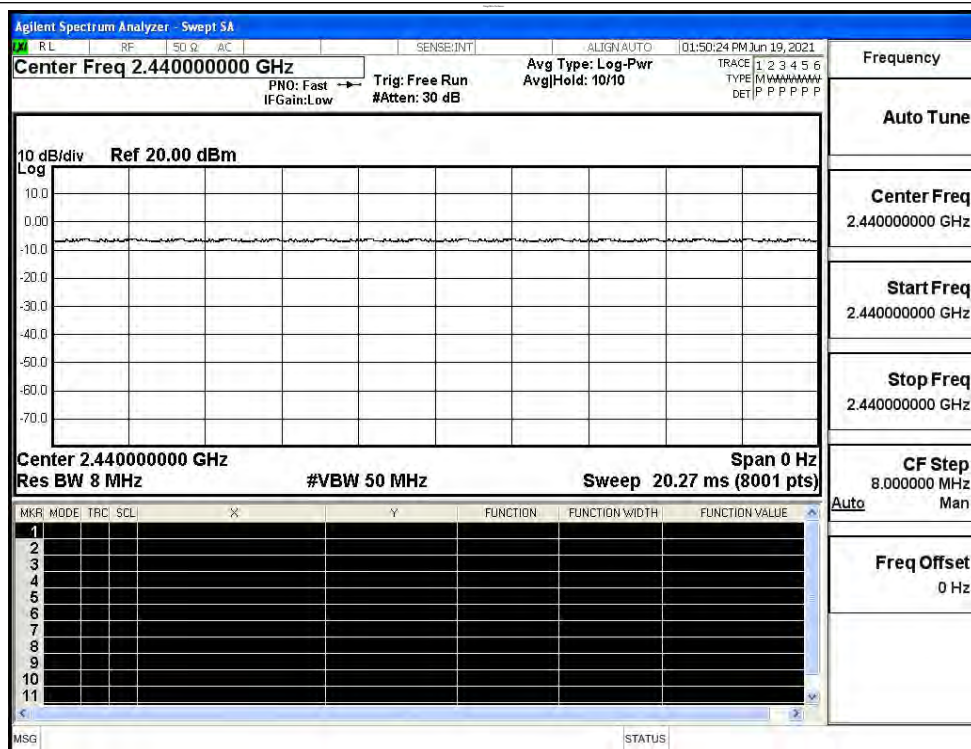
Environmental Conditions

Temperature:	21.6° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

A.1 Duty Cycle

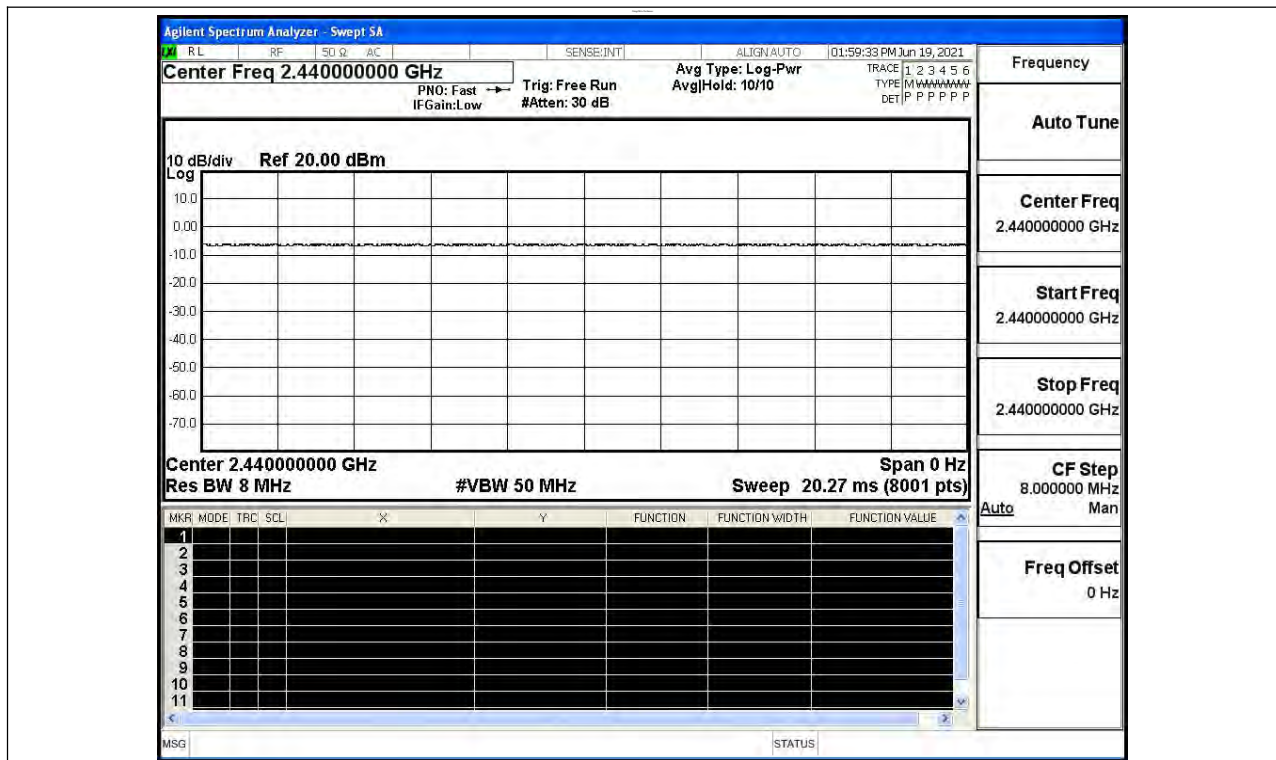
BT LE

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



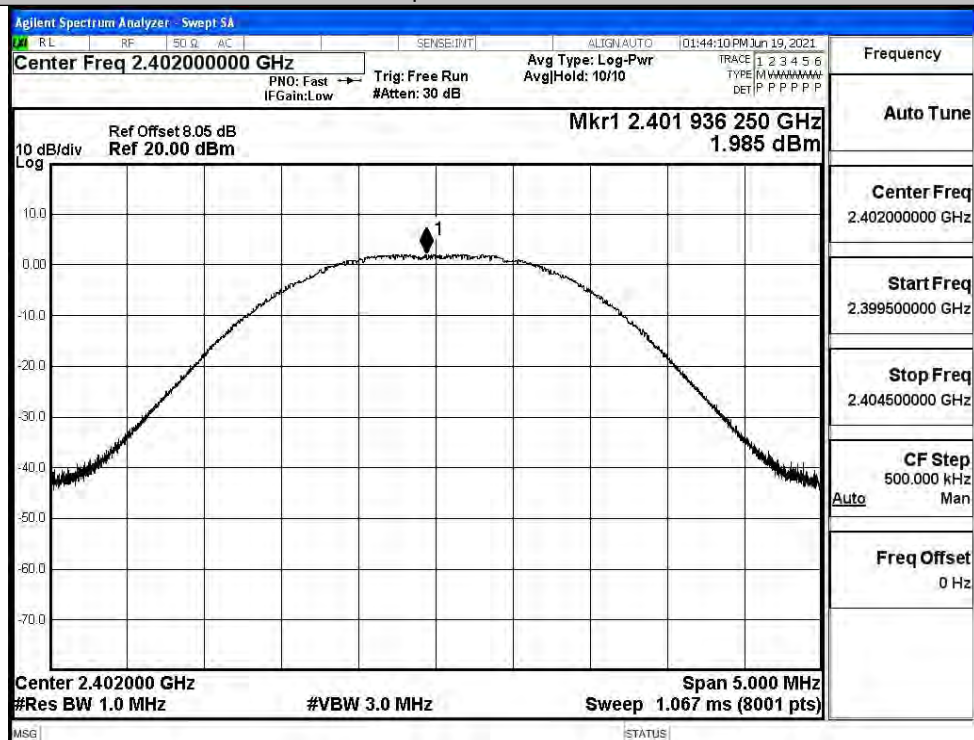
A.2 Maximum Conducted Peak Output Power

BT LE

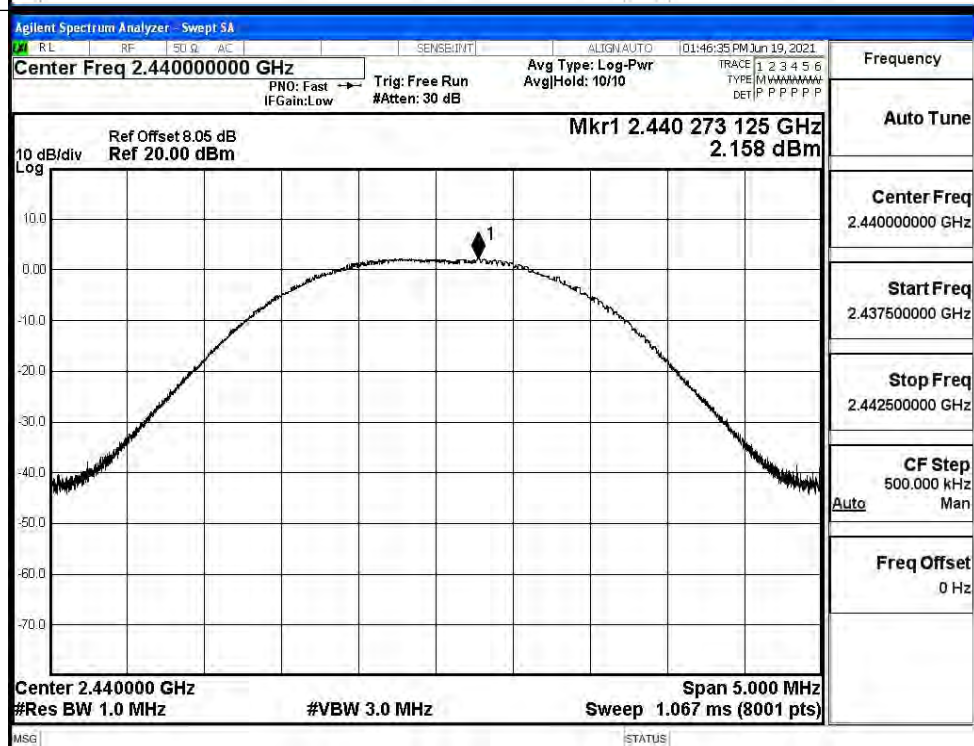
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.985	30	PASS
BT LE	MCH	2.158	30	PASS
BT LE	HCH	2.498	30	PASS

Test Graphs

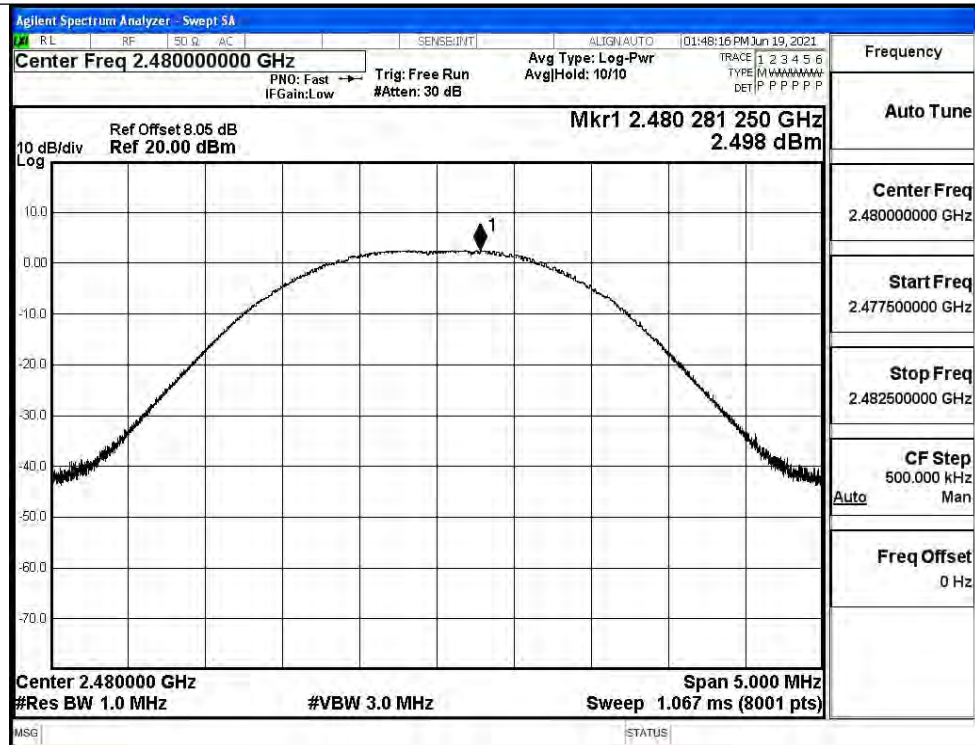
LCH



MCH



HCH

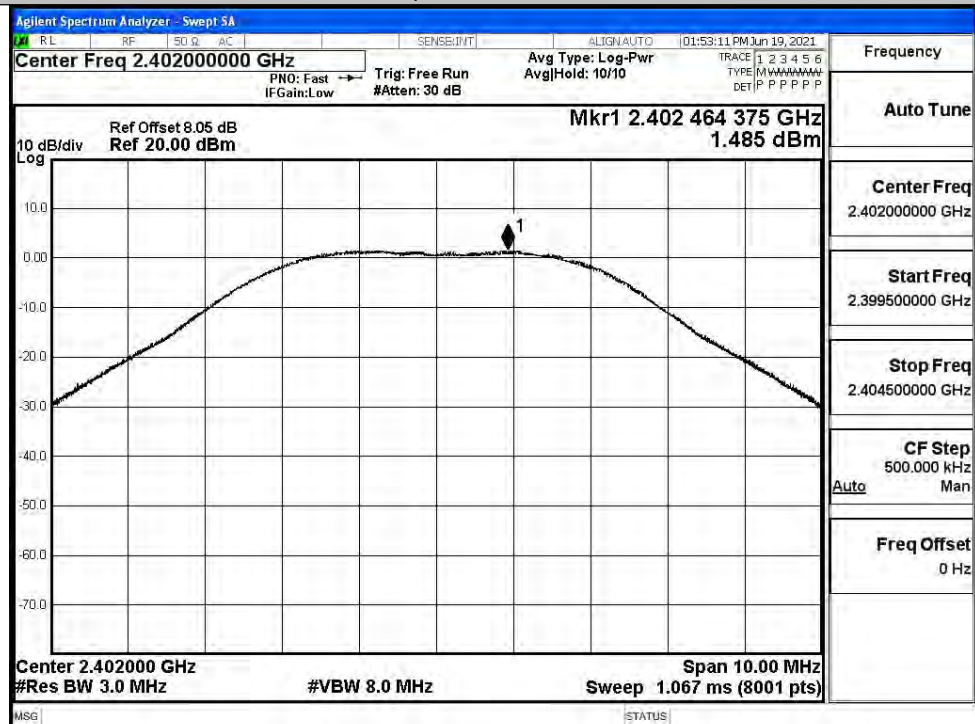


BT 2LE

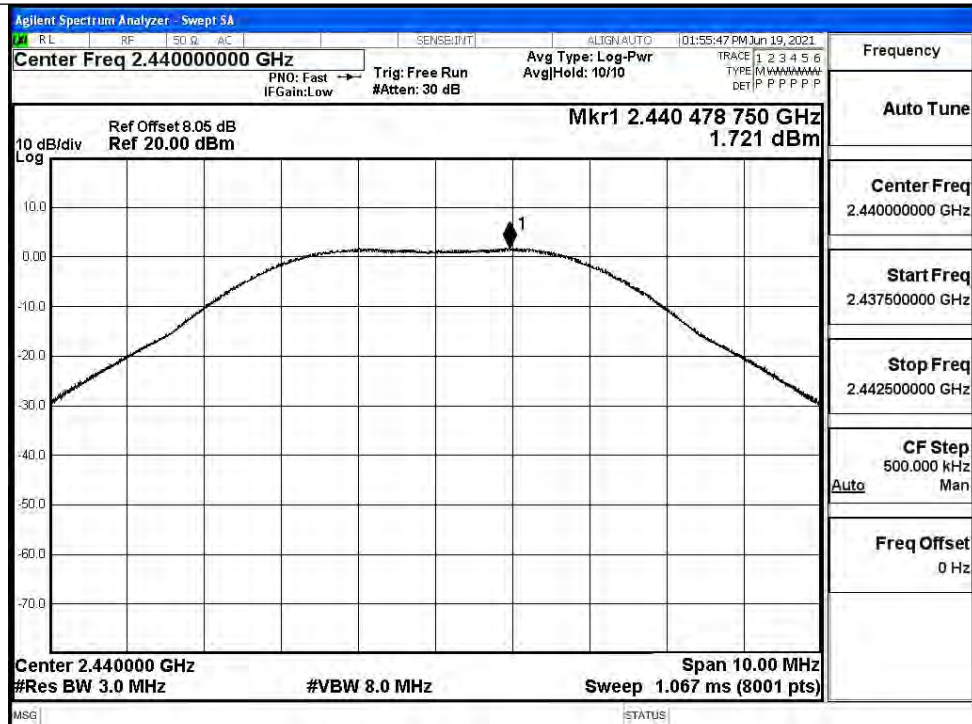
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	1.485	30	PASS
BT 2LE	MCH	1.721	30	PASS
BT 2LE	HCH	2.229	30	PASS

Test Graphs

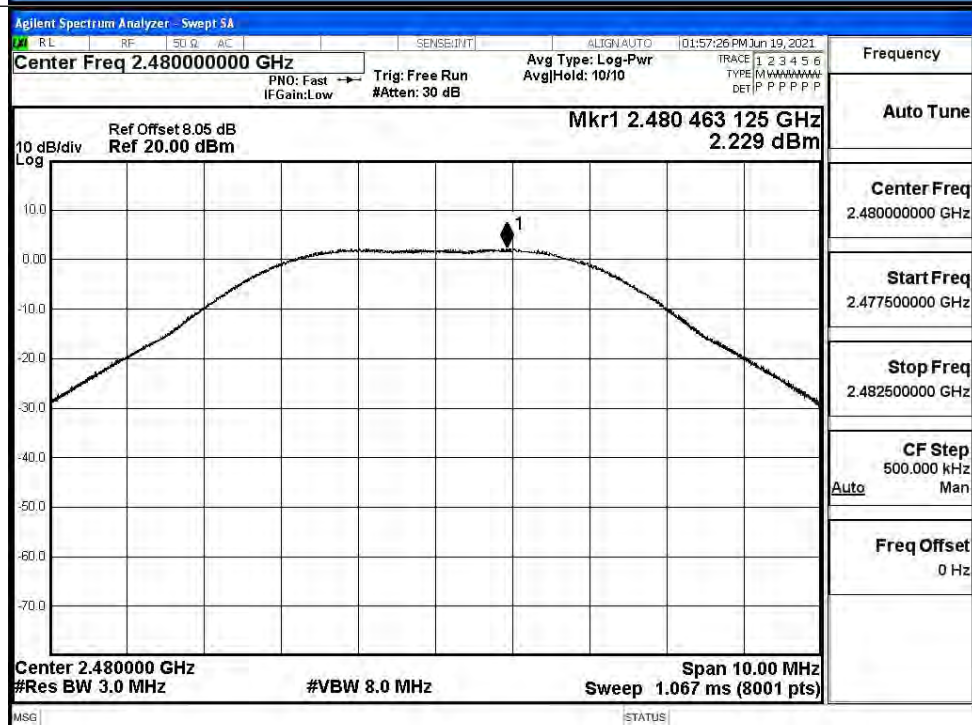
LCH



MCH



HCH



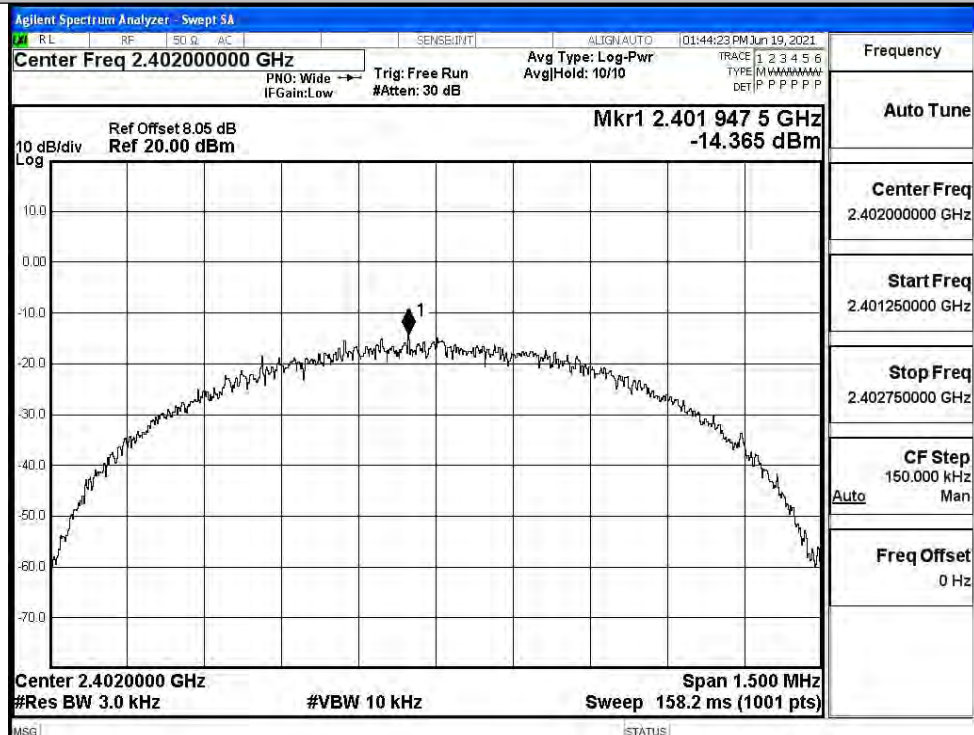
A.3 Maximum Power Spectral Density

BT LE

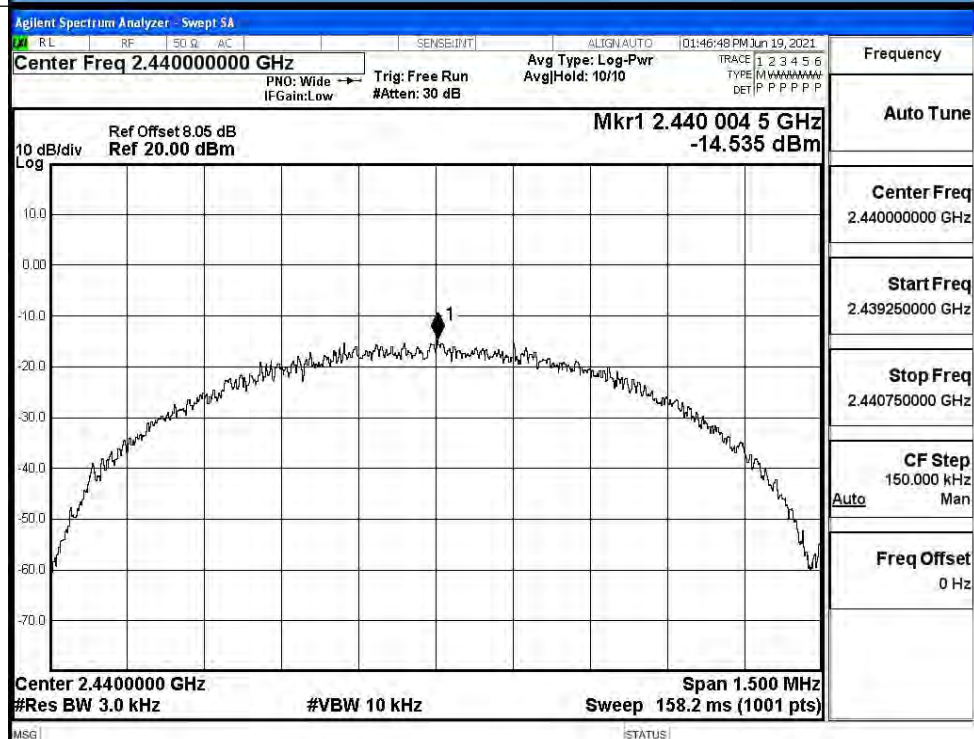
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.365	8	PASS
BT LE	MCH	-14.535	8	PASS
BT LE	HCH	-14.659	8	PASS

Test Graphs

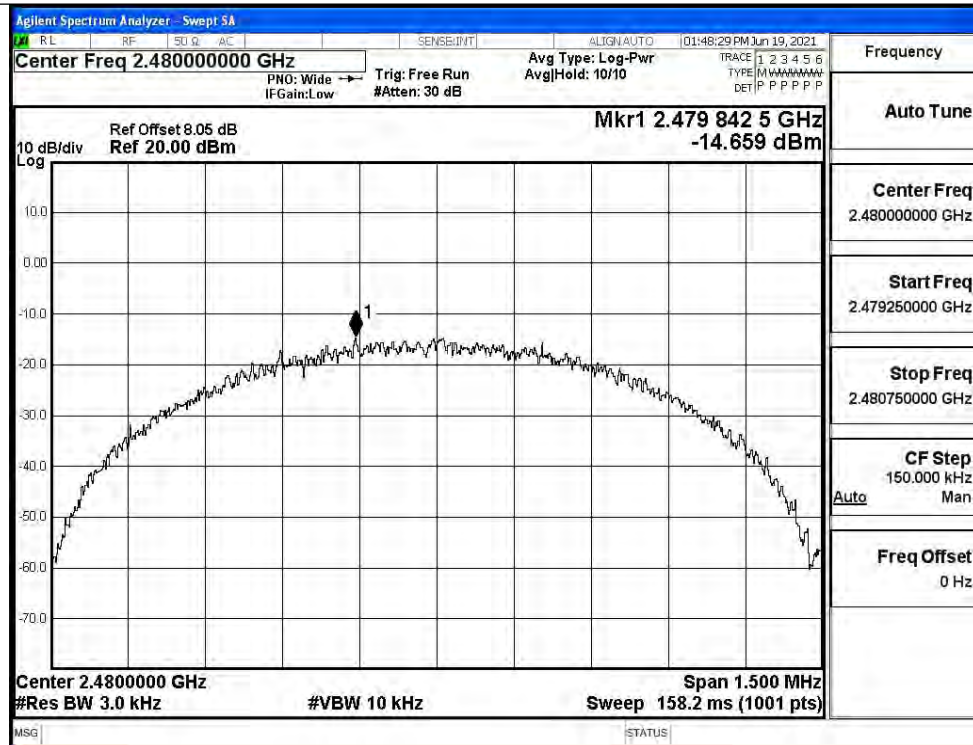
LCH



MCH



HCH

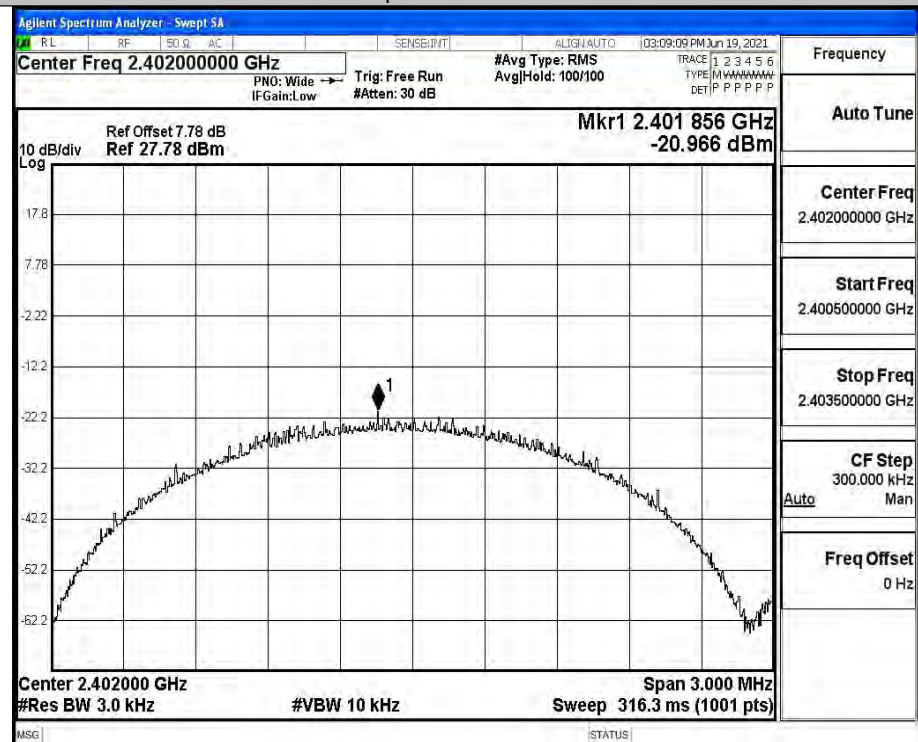


BT 2LE

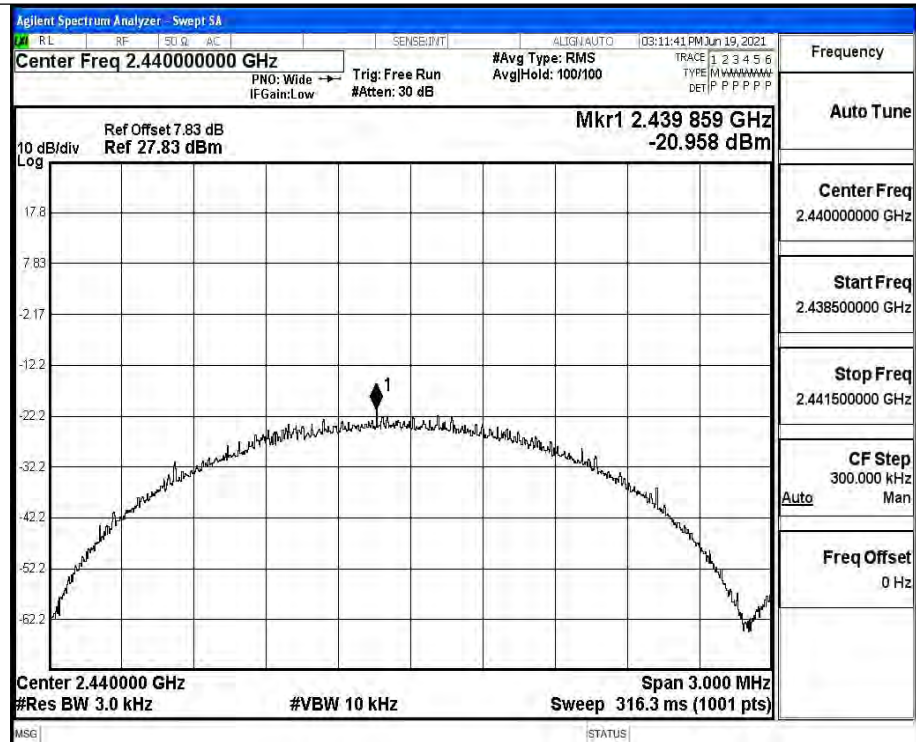
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT 2LE	LCH	-20.97	8	PASS
BT 2LE	MCH	-20.96	8	PASS
BT 2LE	HCH	-20.68	8	PASS

Test Graphs

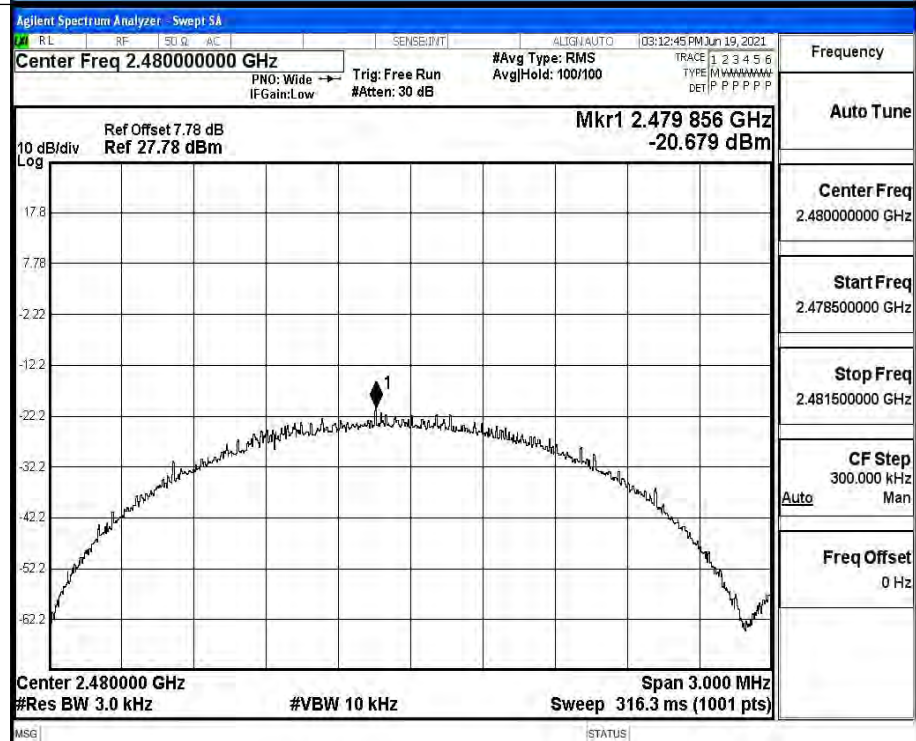
LCH



MCH



HCH



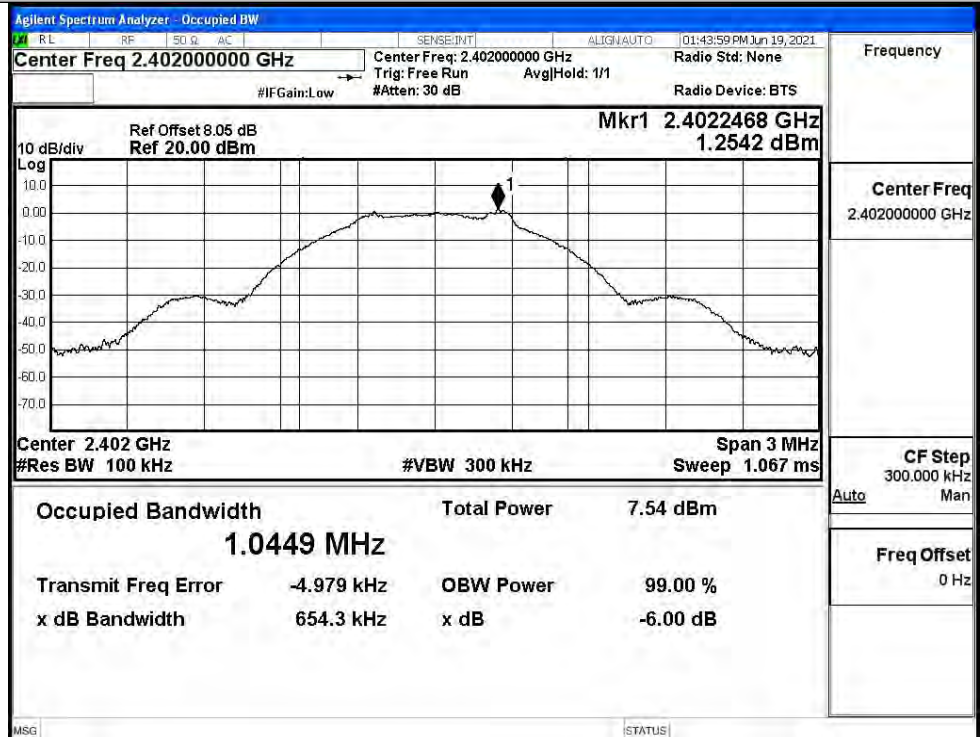
A.4 6dB Bandwidth

BT LE

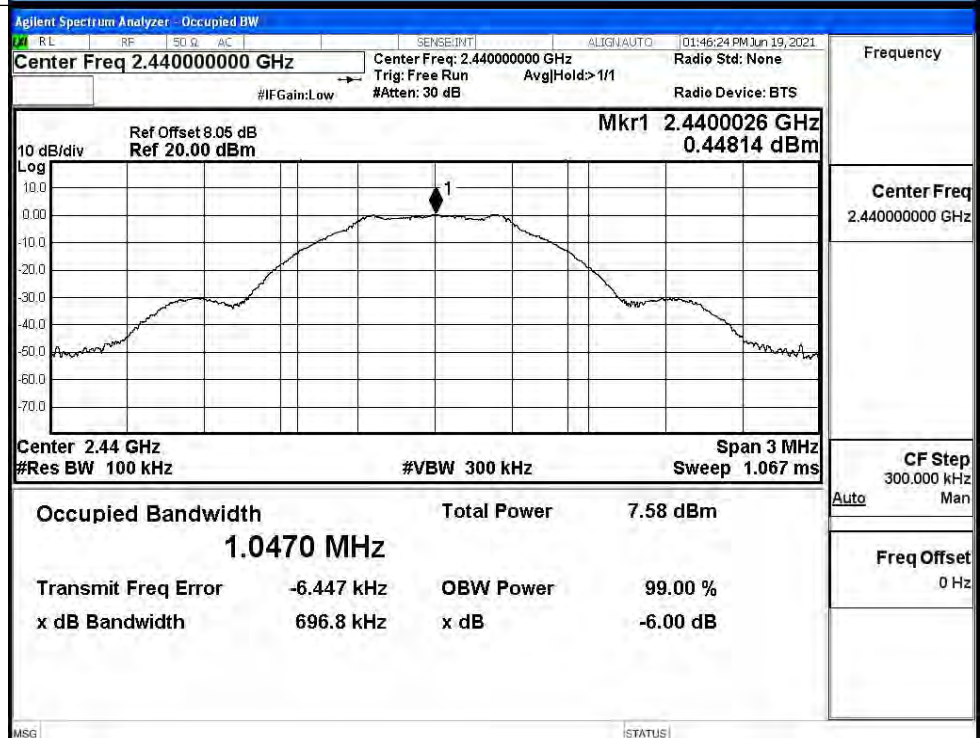
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6543	≥ 0.5	PASS
BT LE	MCH	0.6968	≥ 0.5	PASS
BT LE	HCH	0.6842	≥ 0.5	PASS

Test Graphs

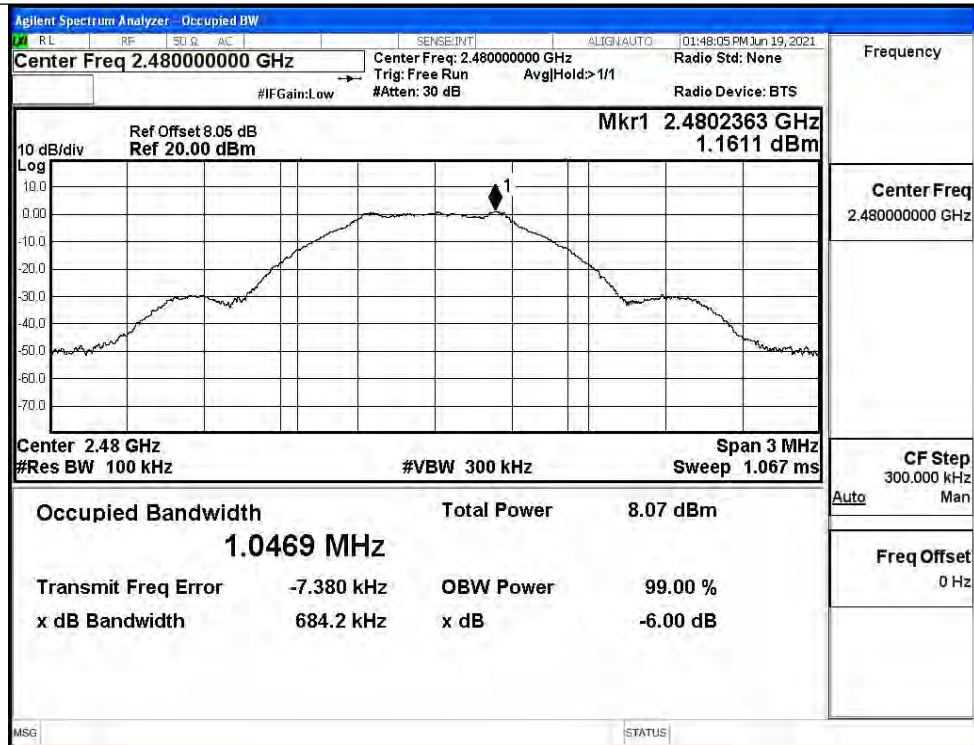
LCH



MCH



HCH

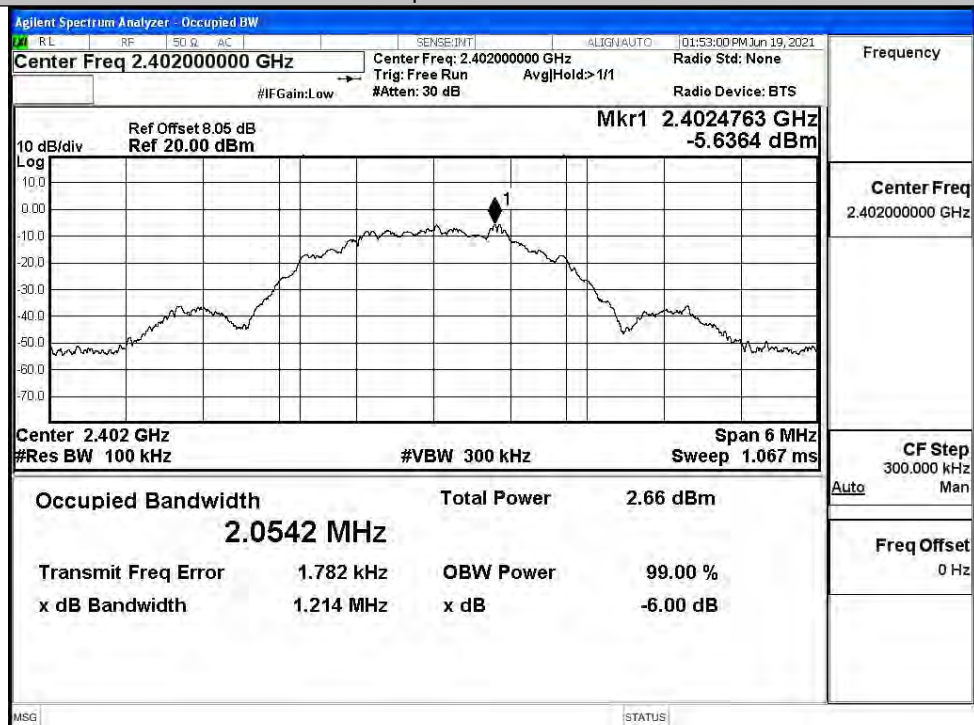


BT 2LE

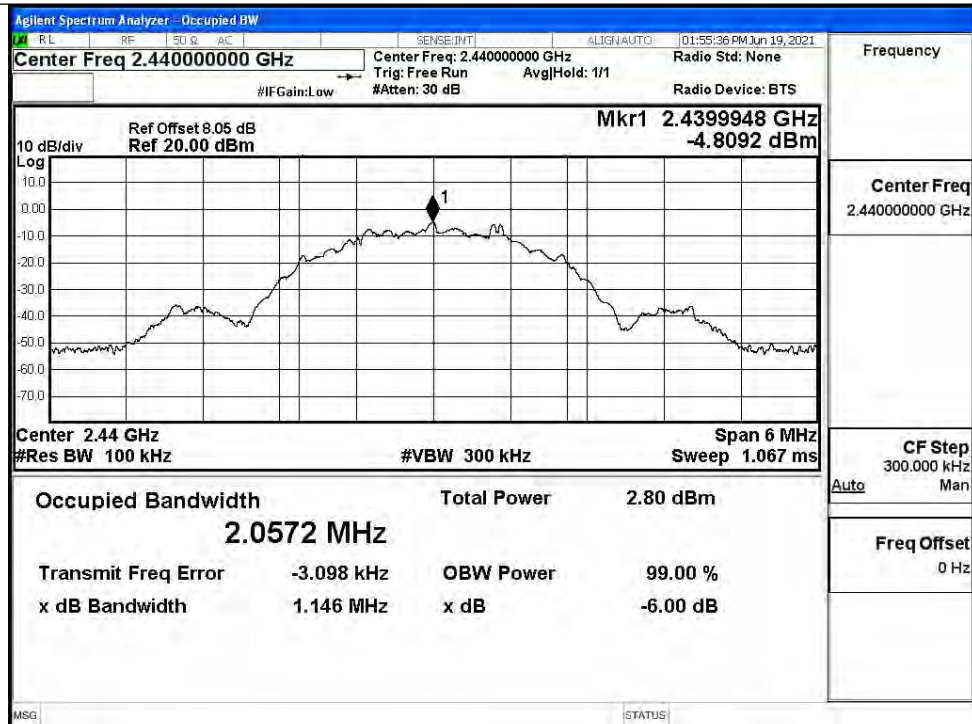
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT 2LE	LCH	1.214	≥ 0.5	PASS
BT 2LE	MCH	1.146	≥ 0.5	PASS
BT 2LE	HCH	1.148	≥ 0.5	PASS

Test Graphs

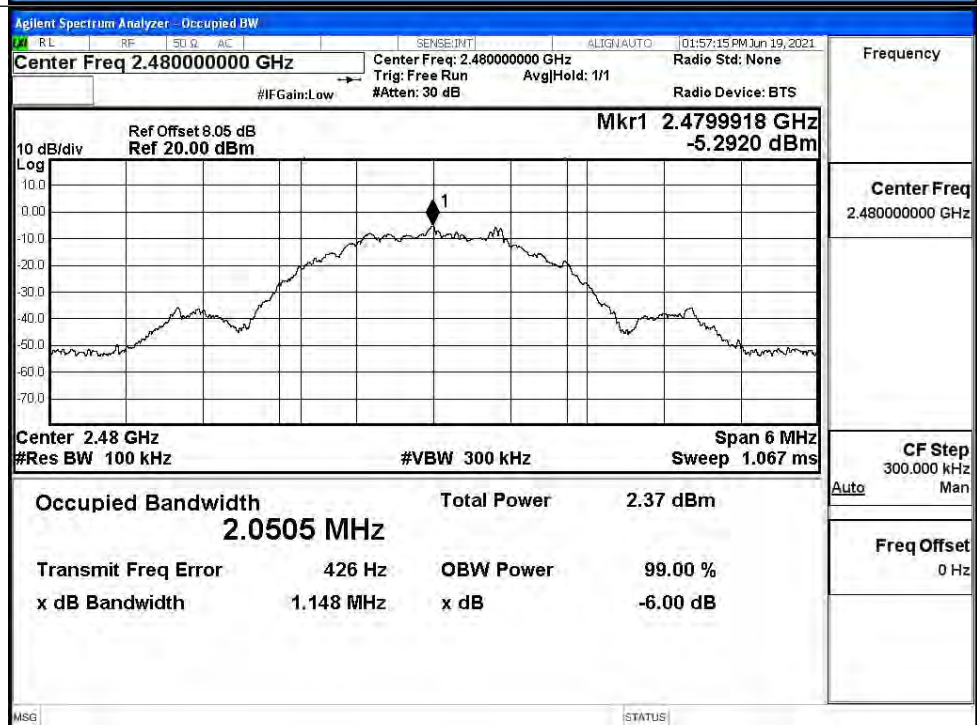
LCH



MCH



HCH



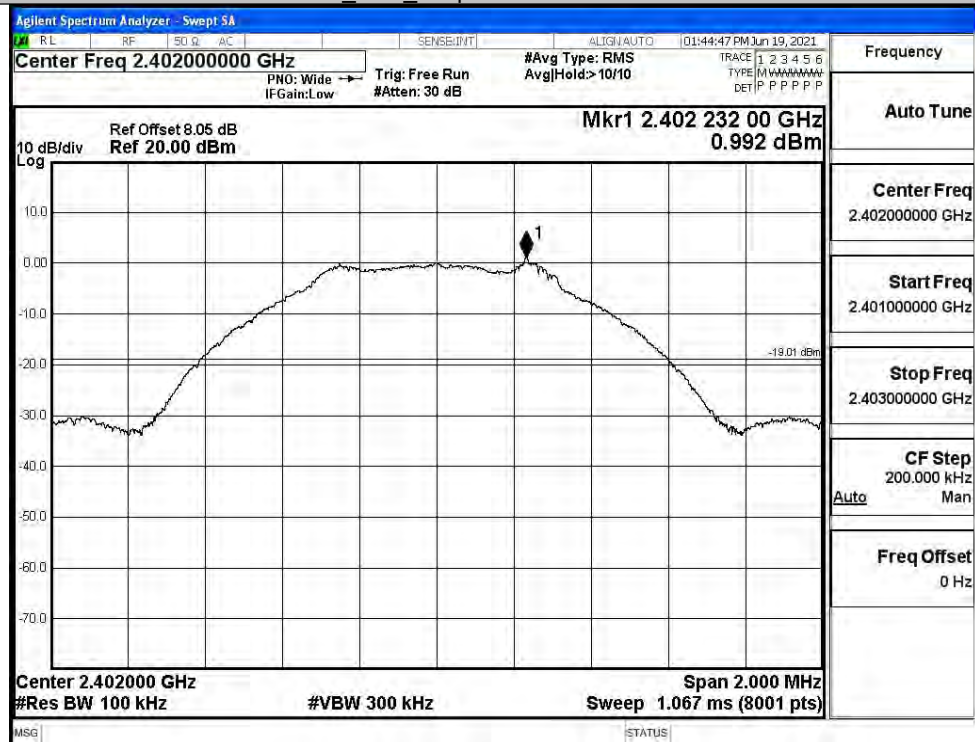
A.5 RF Conducted Spurious Emissions

BT LE

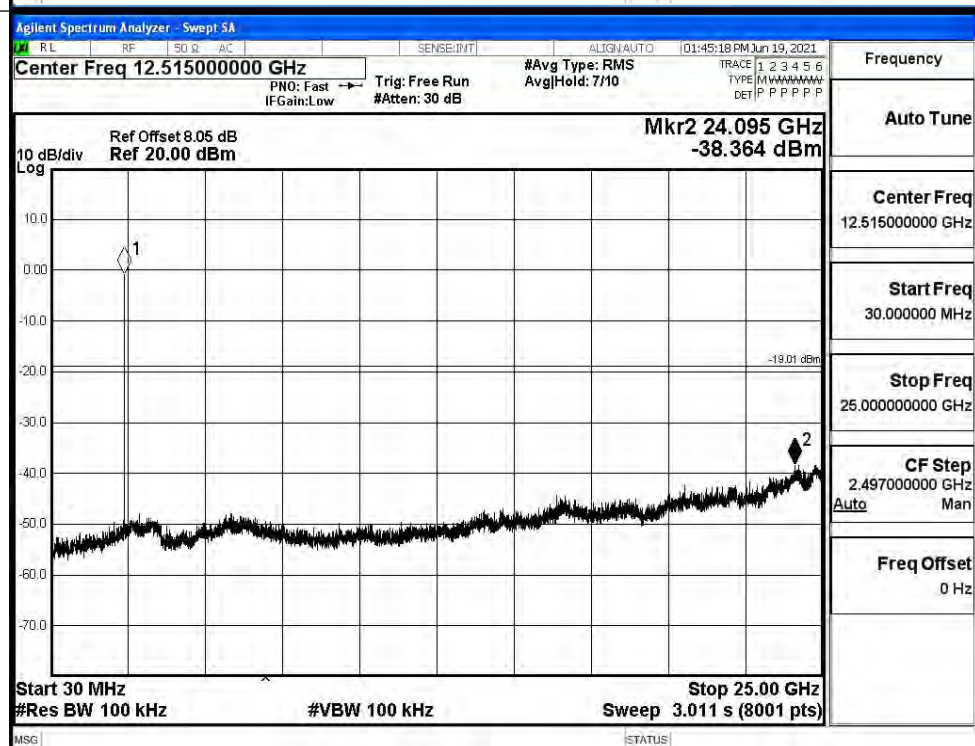
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.992	-38.364	-19.008	PASS
BT LE	MCH	0.459	-37.741	-19.541	PASS
BT LE	HCH	0.952	-37.633	-19.048	PASS

BT LE_LCH_Graphs

Pref/BT LE/LCH

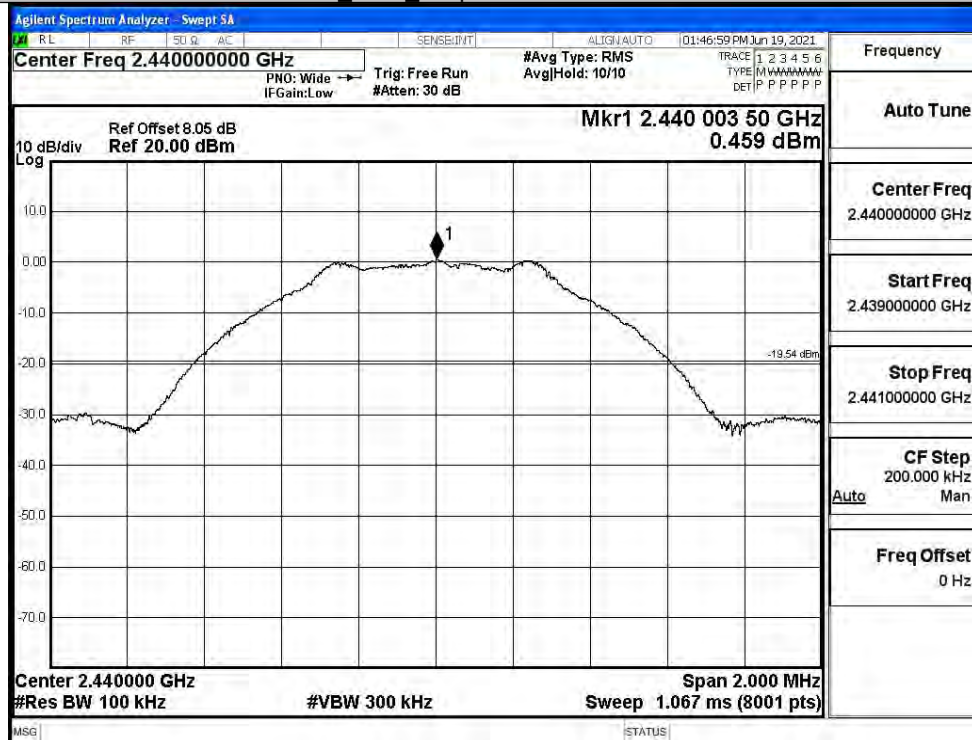


Puw/BT LE/LCH



BT LE MCH Graphs

Pref/BT LE/MCH

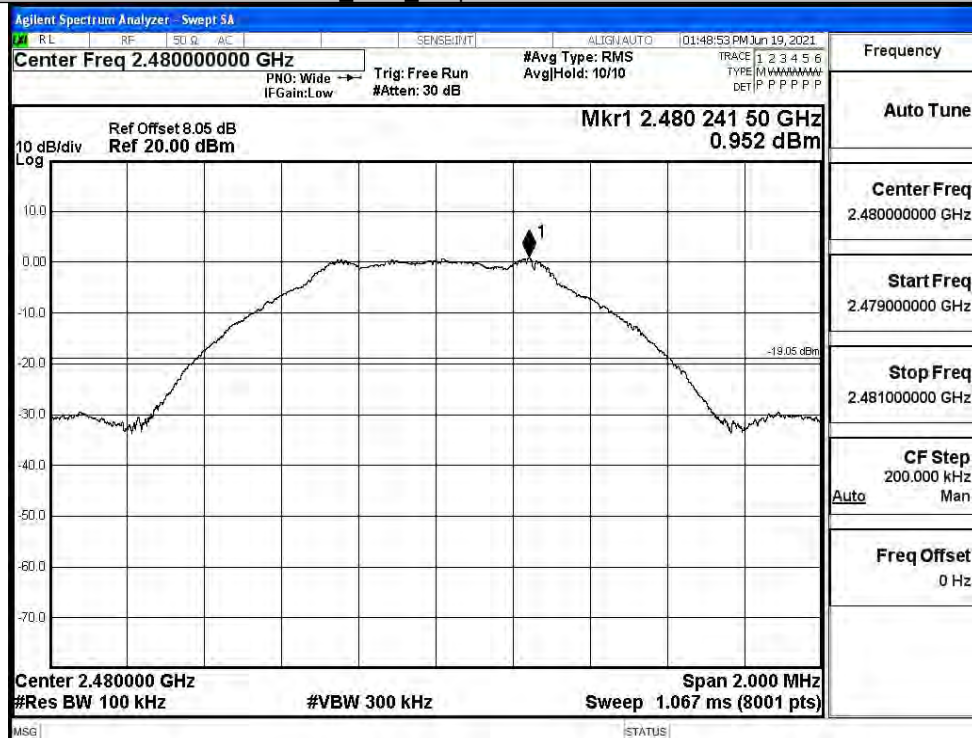


Puw/BT LE/MCH

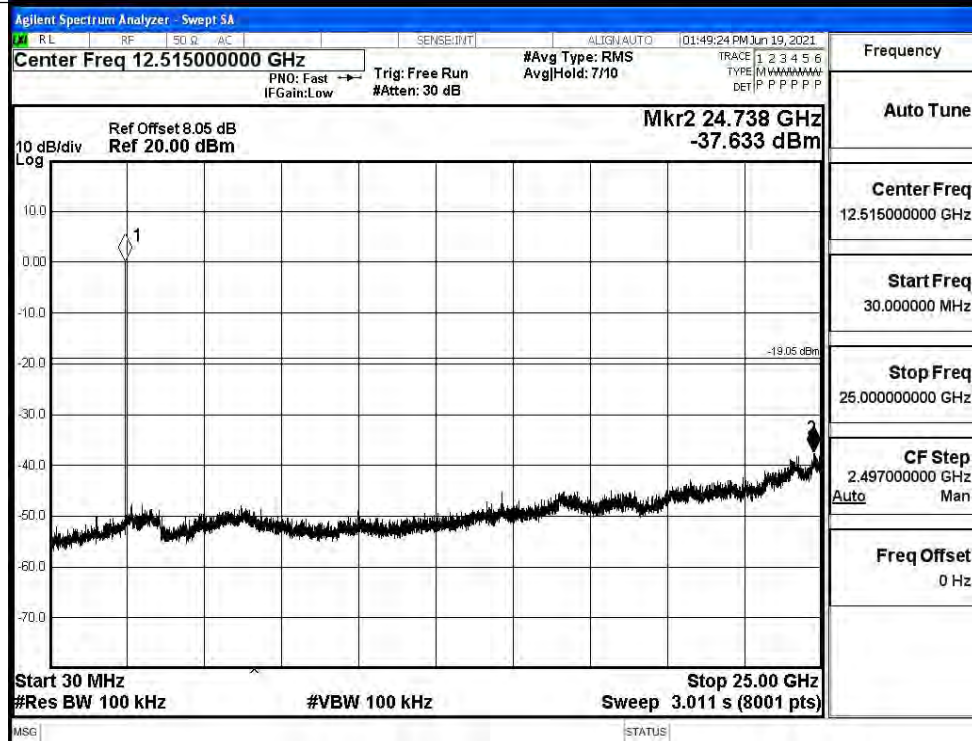


BT LE HCH Graphs

Pref/BT LE/HCH



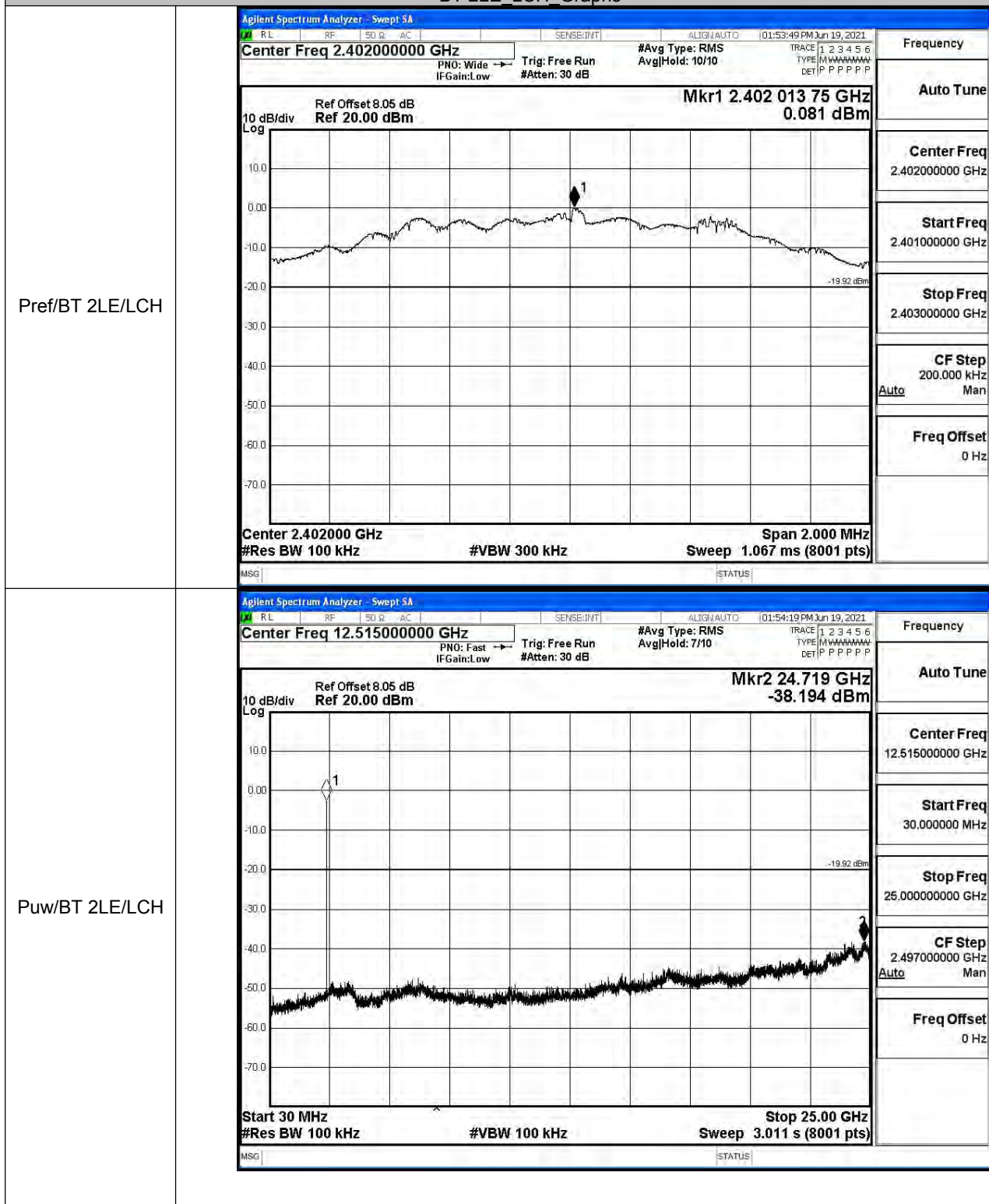
Puw/BT LE/HCH



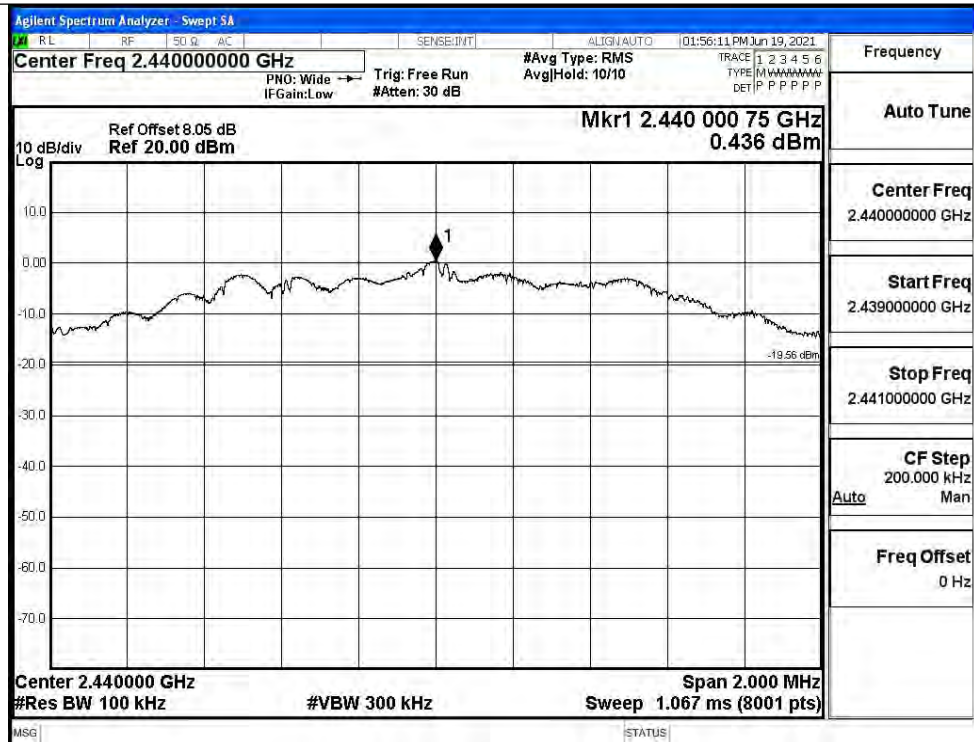
BT 2LE

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	0.081	-38.194	-19.919	PASS
BT 2LE	MCH	0.436	-38.360	-19.564	PASS
BT 2LE	HCH	0.876	-37.702	-19.124	PASS

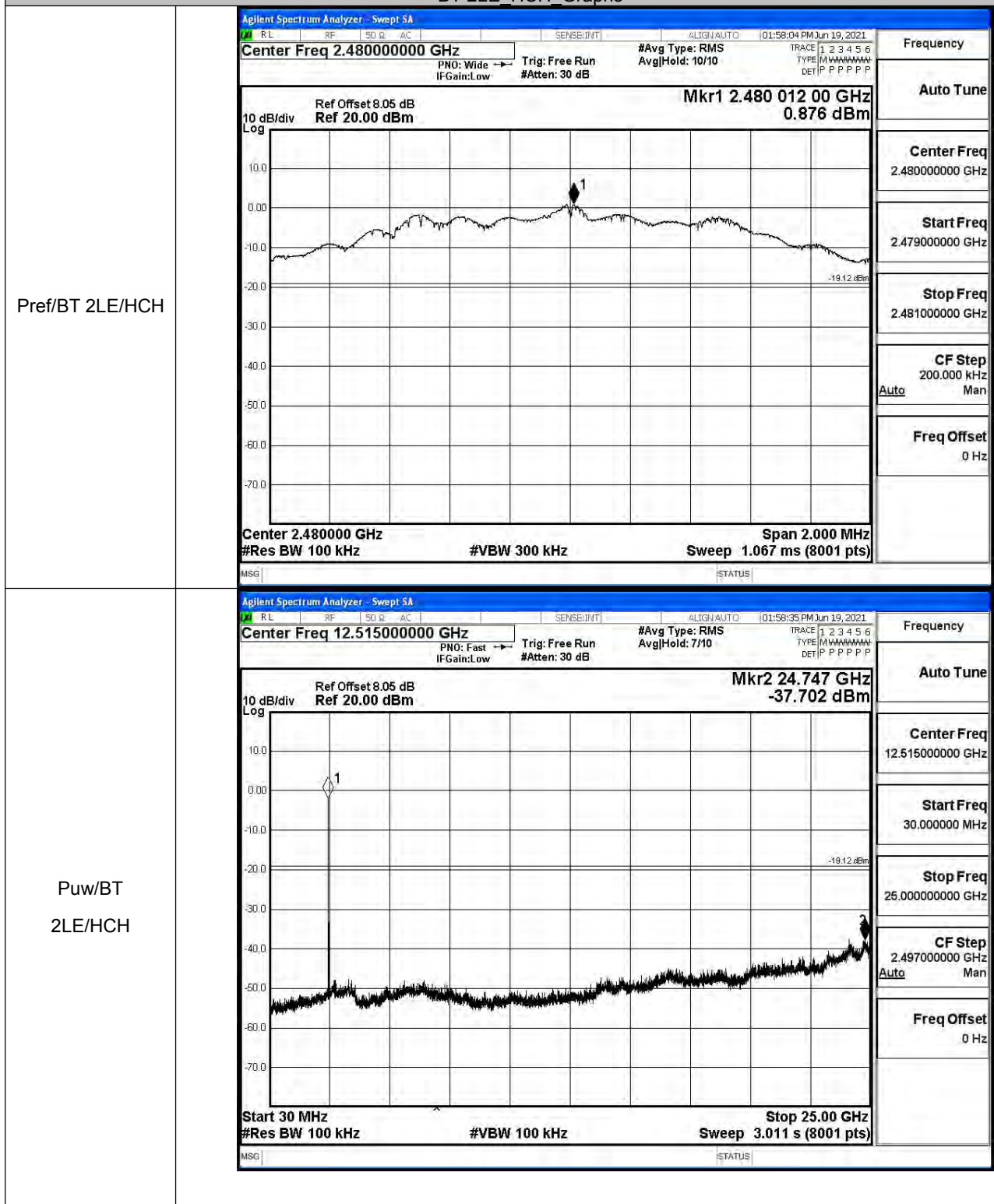
BT 2LE_LCH_Graphs



BT 2LE_MCH_Graphs

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

BT 2LE_HCH_Graphs



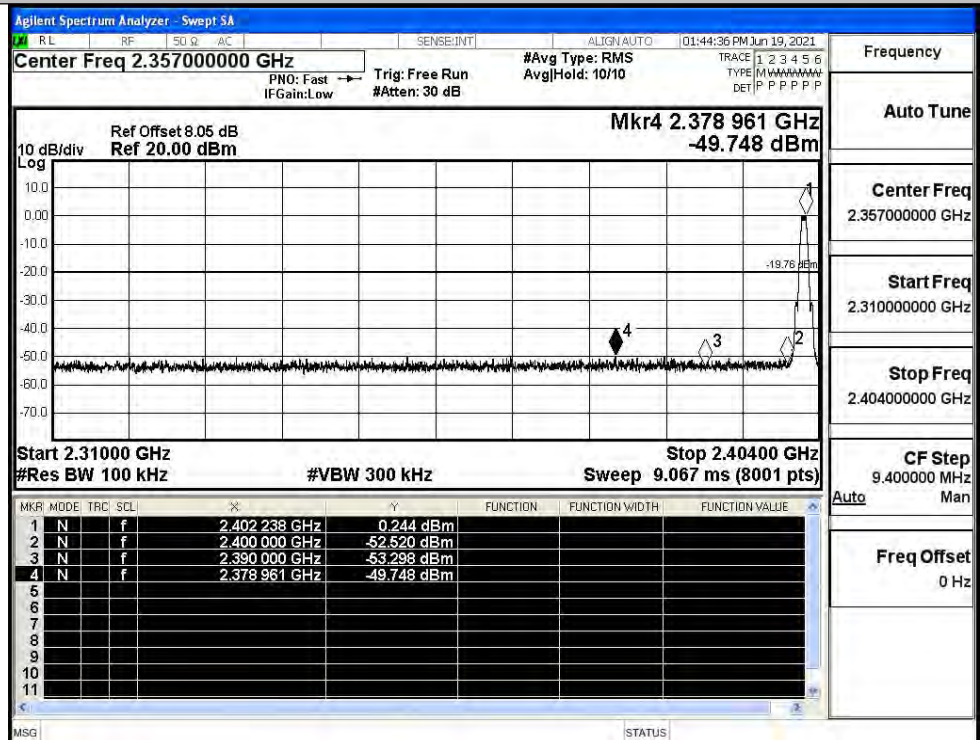
A.6 Band-edge for RF Conducted Emissions

BT LE

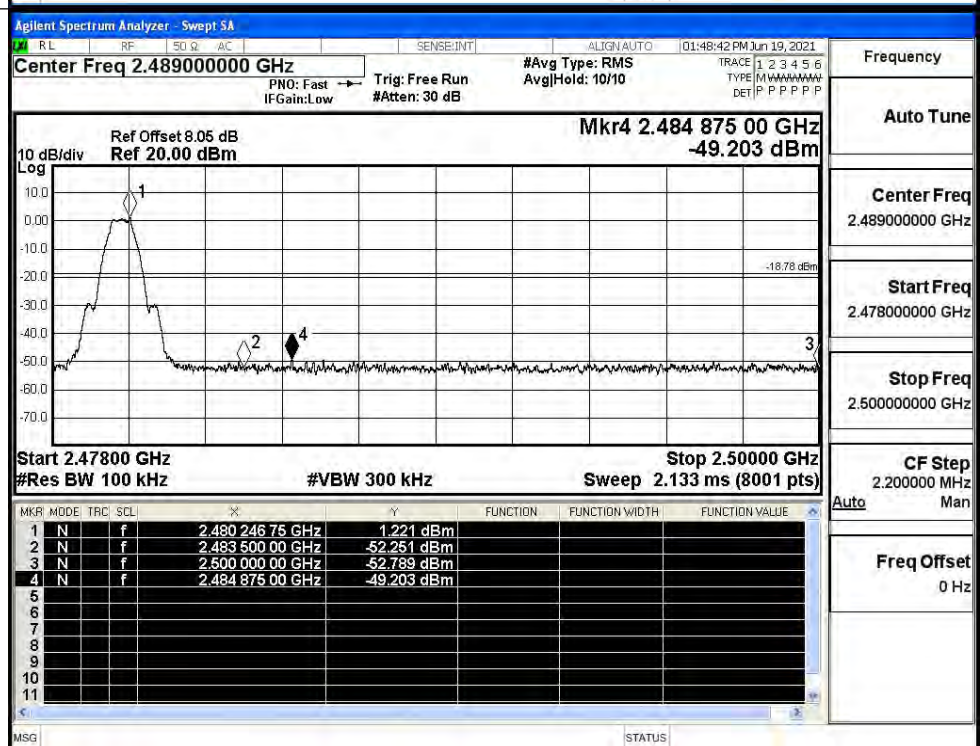
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.244	-49.748	-19.76	PASS
BT LE	HCH	1.221	-49.203	-18.78	PASS

Test Graphs

LCH



HCH

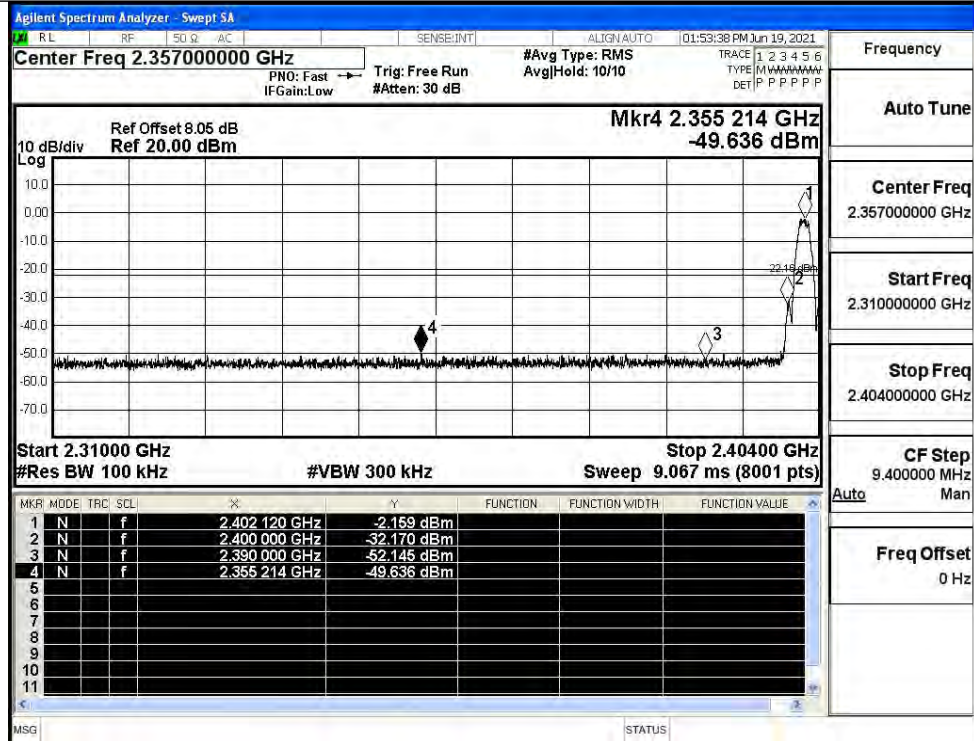


BT 2LE

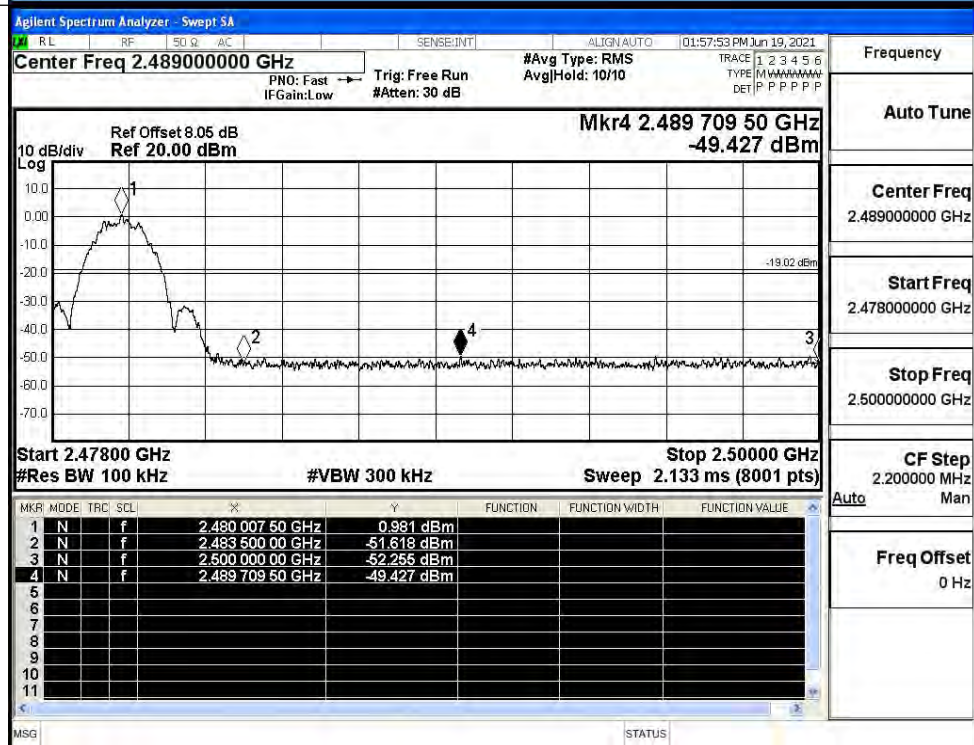
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-2.159	-49.636	-22.16	PASS
BT 2LE	HCH	0.981	-49.427	-19.02	PASS

Test Graphs

LCH



HCH

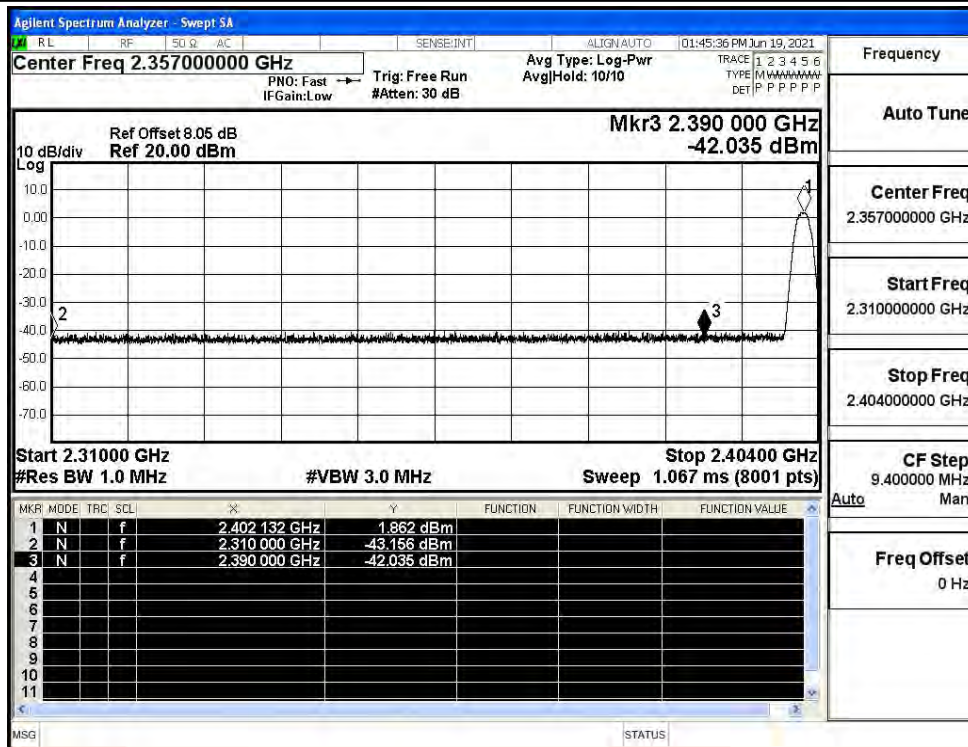


A.7 Restrict-band band-edge measurements

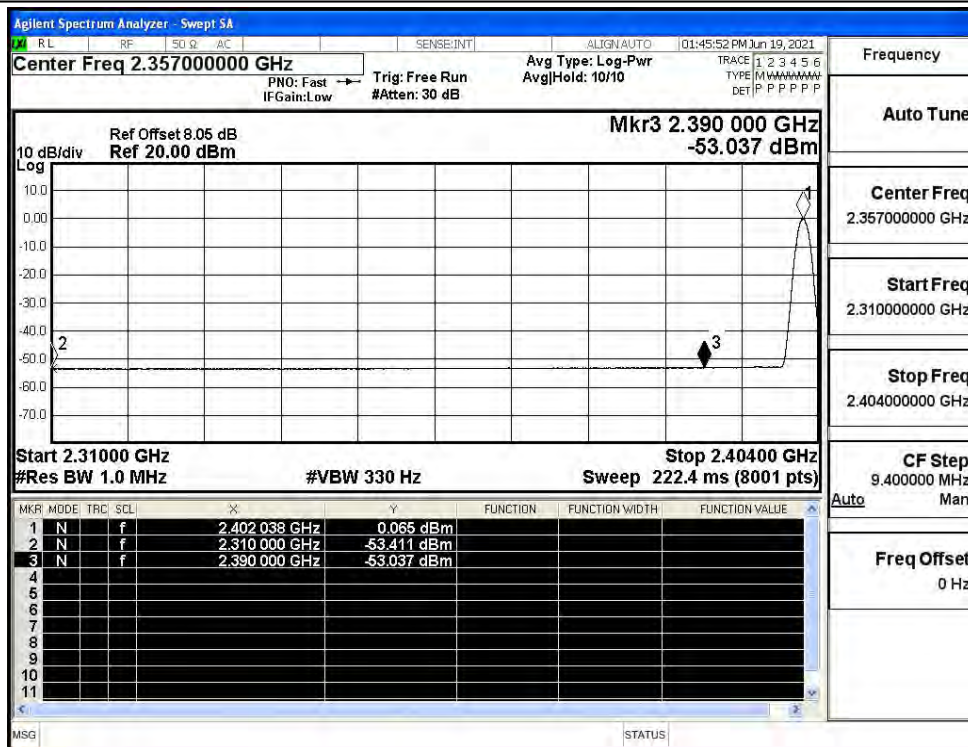
BT LE

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	-43.16	2.0	0	54.07	PEAK	74	PASS
		Ant1	2310.0	-53.41	2.0	0	43.82	AV	54	PASS
		Ant1	2390.0	-42.04	2.0	0	55.19	PEAK	74	PASS
		Ant1	2390.0	-53.04	2.0	0	44.19	AV	54	PASS
	2480	Ant1	2483.5	-42.60	2.0	0	54.63	PEAK	74	PASS
		Ant1	2483.5	-52.28	2.0	0	44.95	AV	54	PASS
		Ant1	2500.0	-42.54	2.0	0	54.69	PEAK	74	PASS
		Ant1	2500.0	-52.37	2.0	0	44.86	AV	54	PASS

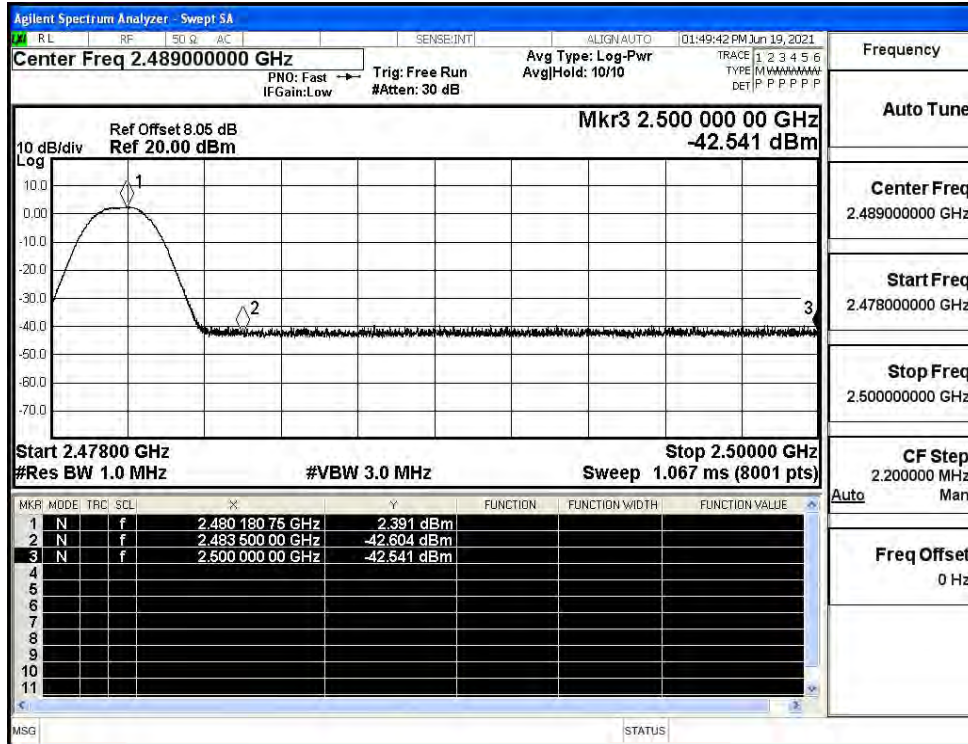
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



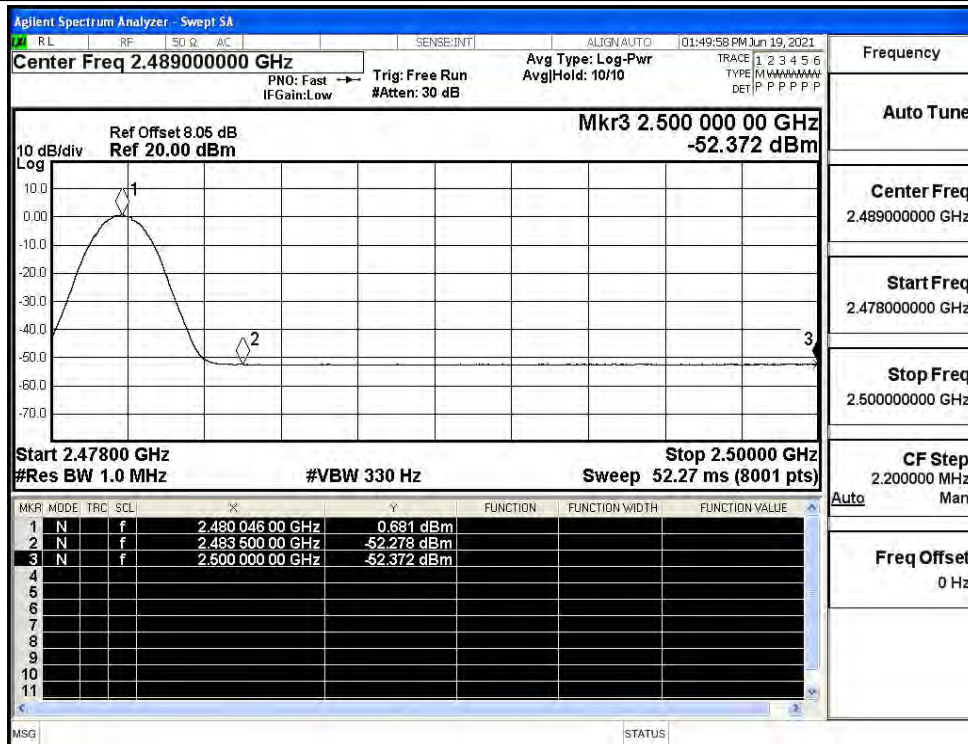
Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



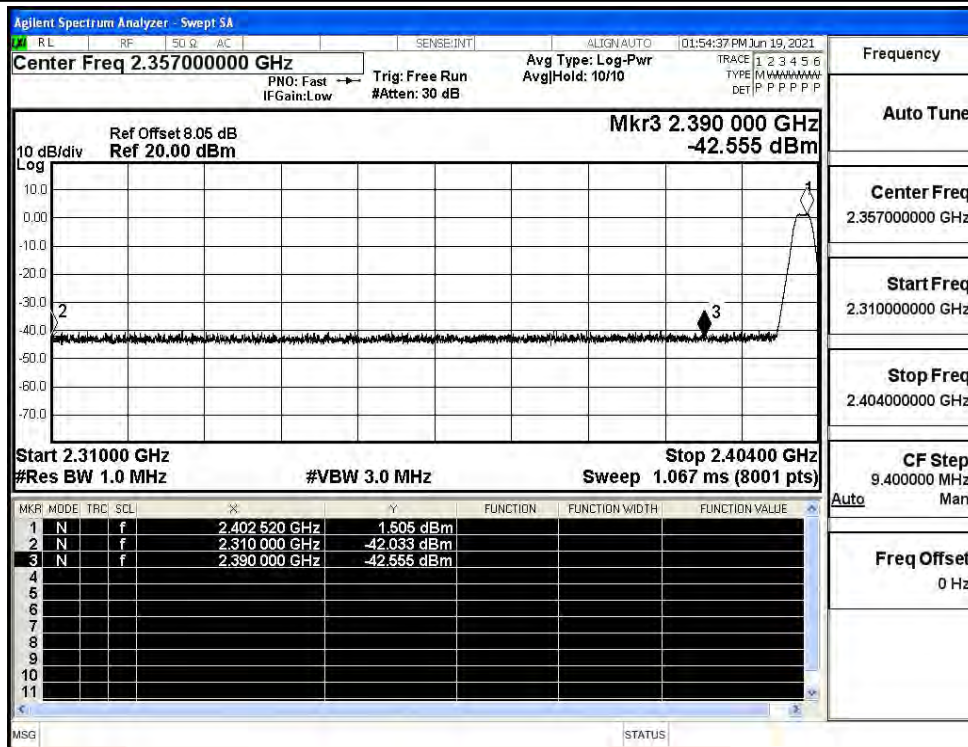
Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



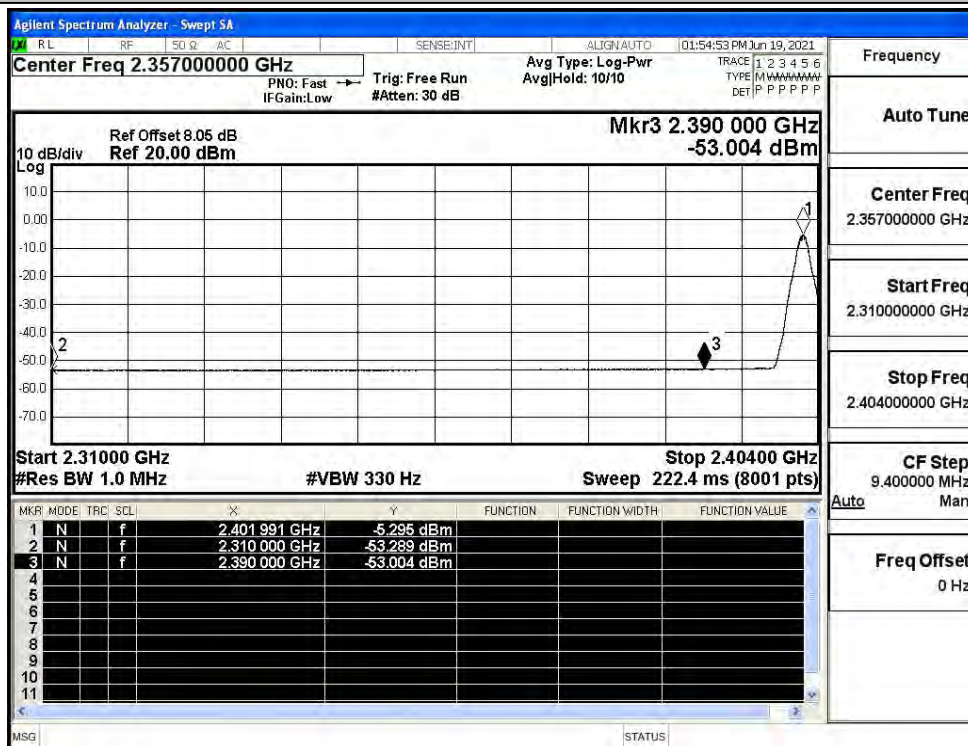
BT 2LE

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	-42.03	2.0	0	55.20	PEAK	74	PASS
		Ant1	2310.0	-53.29	2.0	0	43.94	AV	54	PASS
		Ant1	2390.0	-42.56	2.0	0	54.67	PEAK	74	PASS
		Ant1	2390.0	-53.00	2.0	0	44.23	AV	54	PASS
	2480	Ant1	2483.5	-39.56	2.0	0	57.67	PEAK	74	PASS
		Ant1	2483.5	-51.65	2.0	0	45.58	AV	54	PASS
		Ant1	2500.0	-42.79	2.0	0	54.44	PEAK	74	PASS
		Ant1	2500.0	-52.40	2.0	0	44.83	AV	54	PASS

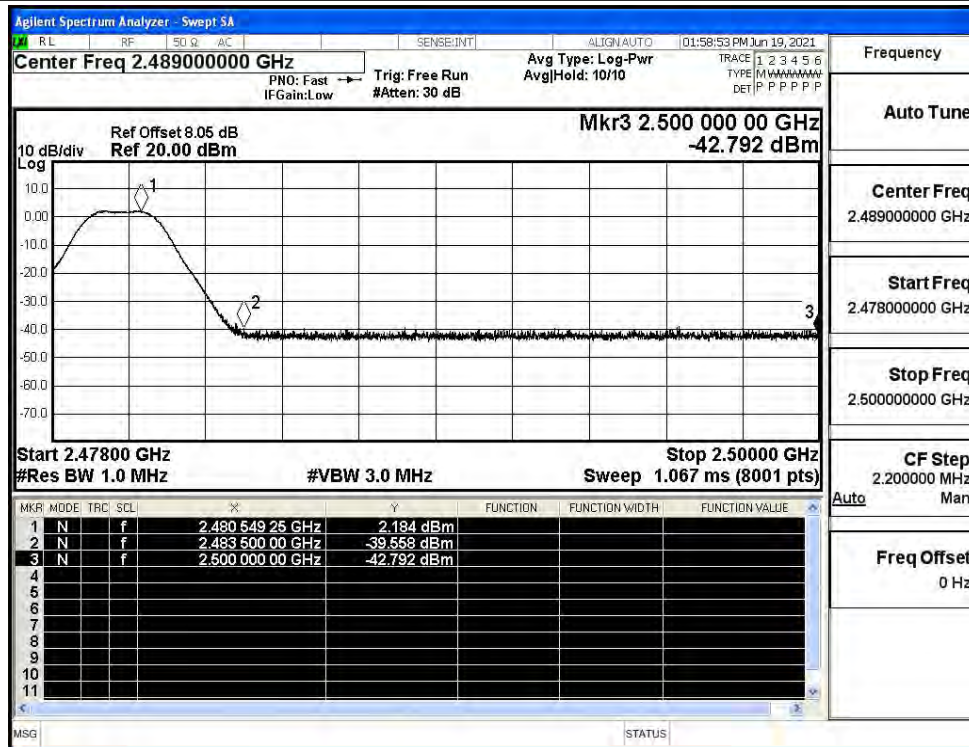
Restrict-band band-edge measurements_BT 2LE_2402_Ant1_PEAK



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

