

Appendix B

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

Product Name: 3G/4G Smart Phone

Trade Mark: DOOGEE

Test Model: N30

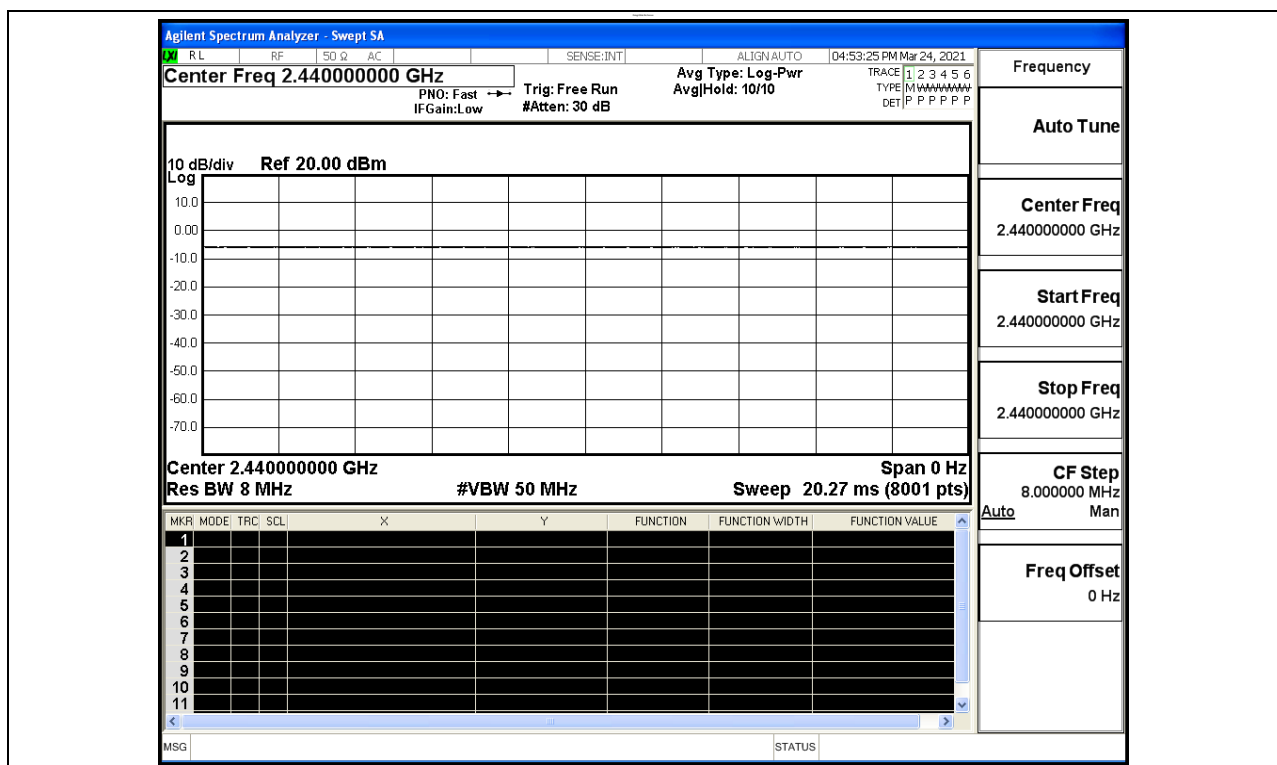
Environmental Conditions

Temperature:	22.9° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

B.1 Duty Cycle

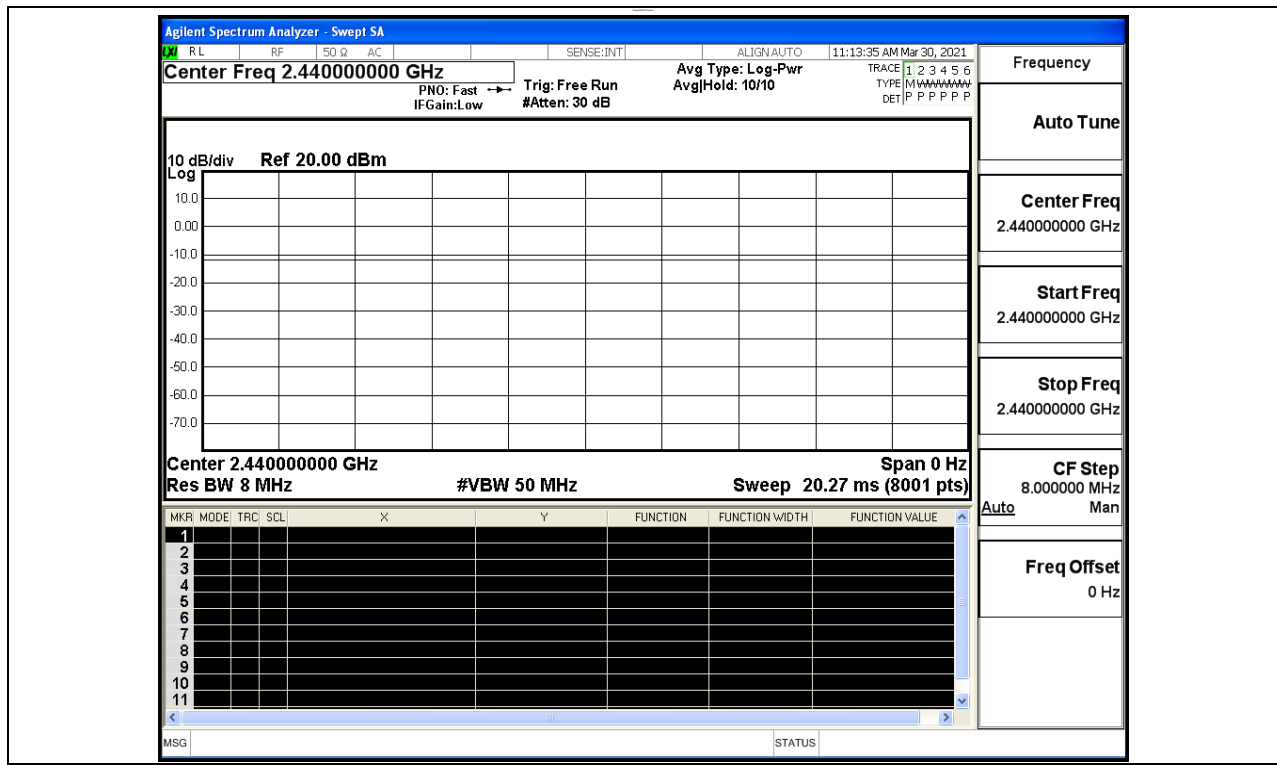
BT LE

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



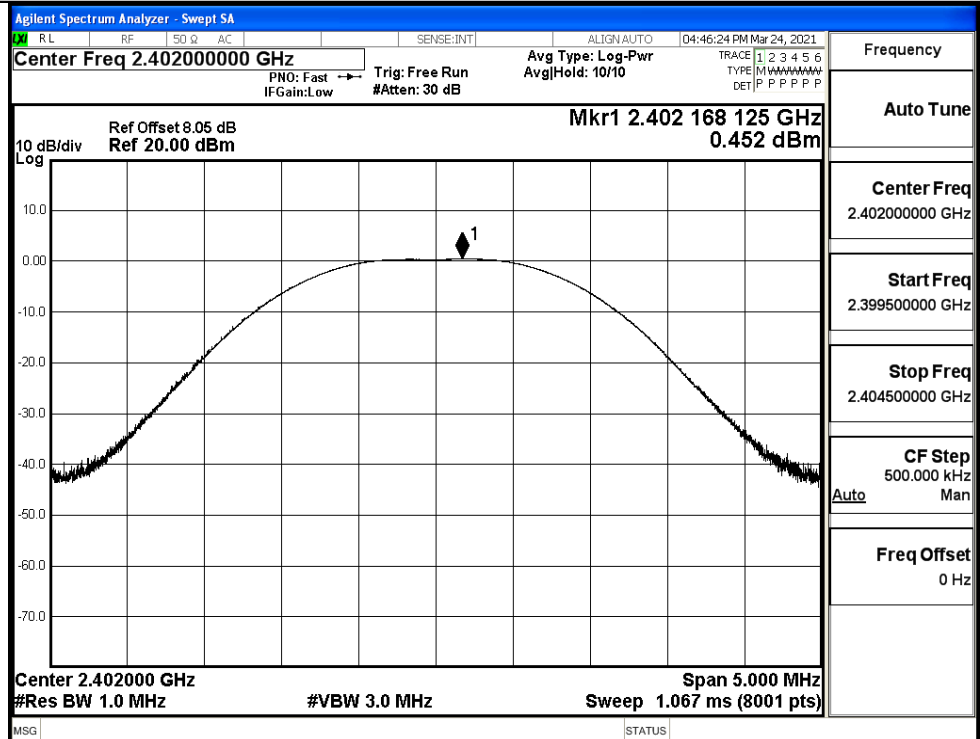
B.2 Maximum Conducted Peak Output Power

BT LE

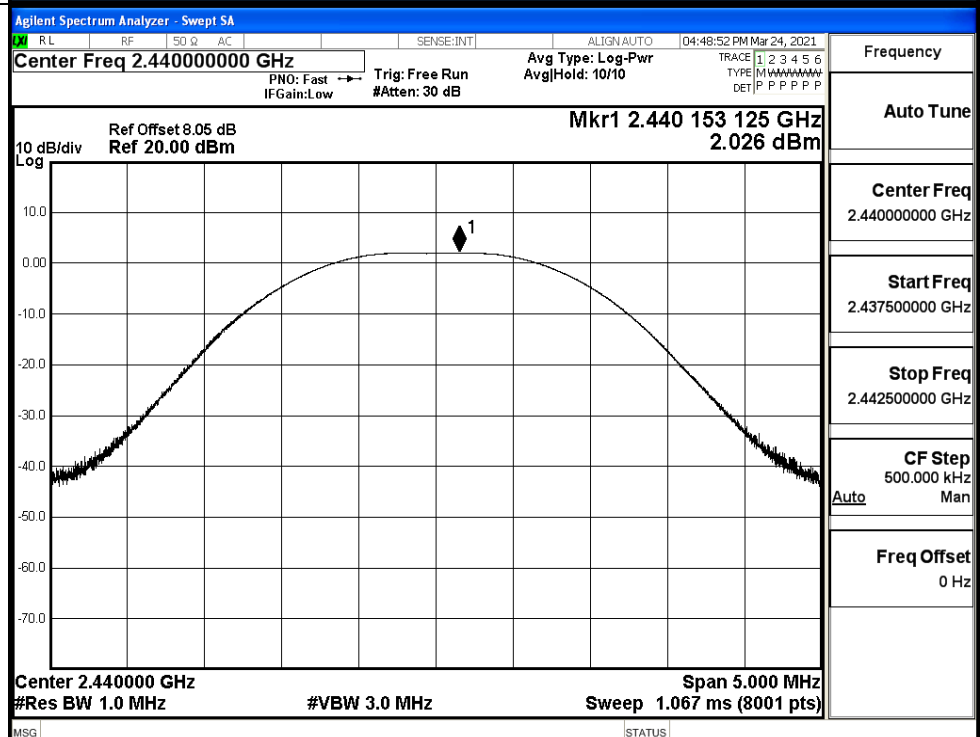
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.452	30	PASS
BT LE	MCH	2.026	30	PASS
BT LE	HCH	0.523	30	PASS

Test Graphs

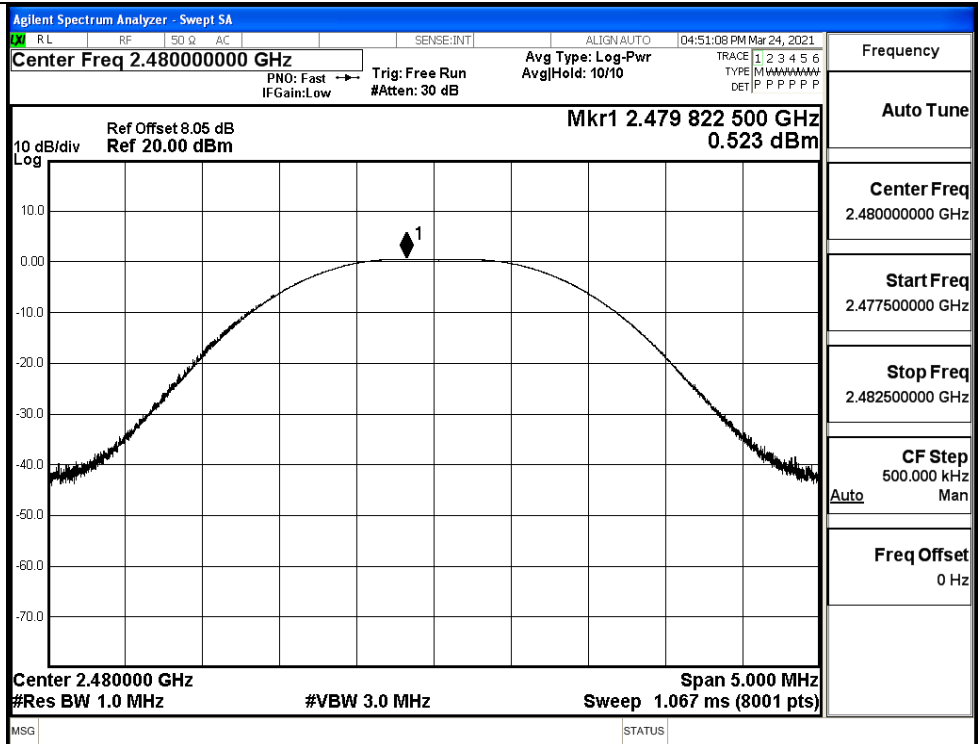
LCH



MCH



HCH

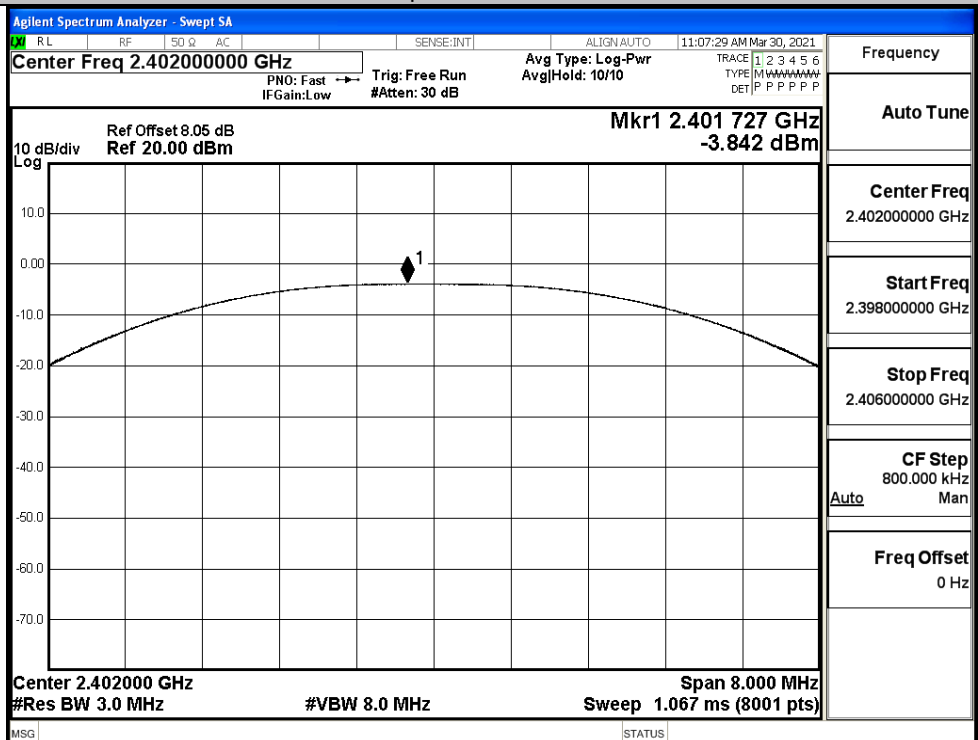


BT 2LE

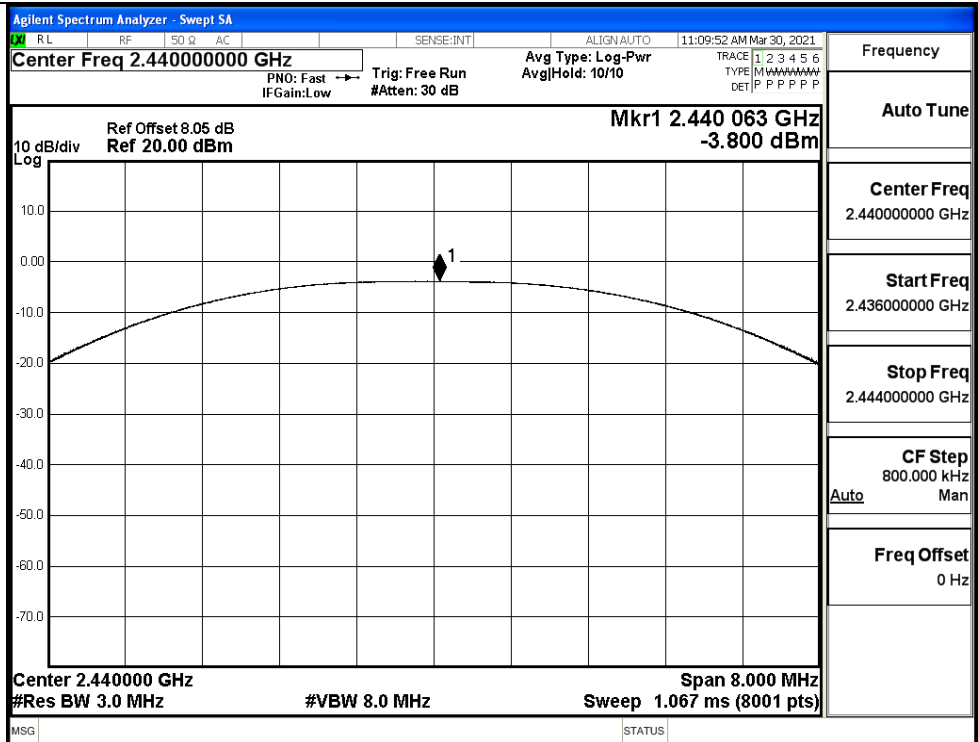
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-3.842	30	PASS
BT 2LE	MCH	-3.8	30	PASS
BT 2LE	HCH	-4.25	30	PASS

Test Graphs

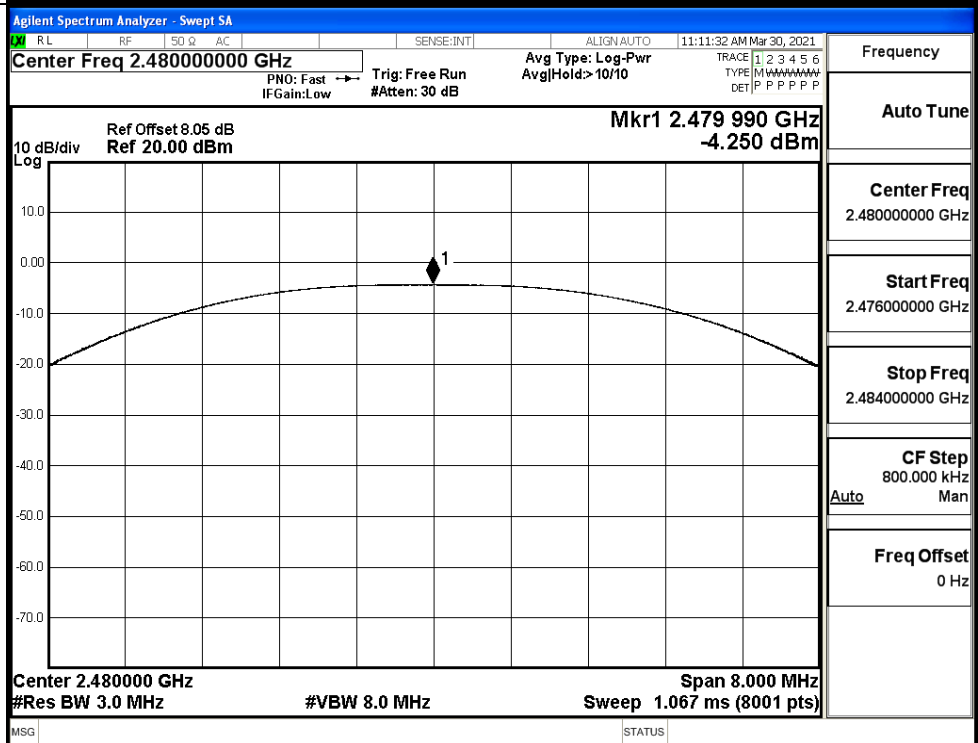
LCH



MCH



HCH



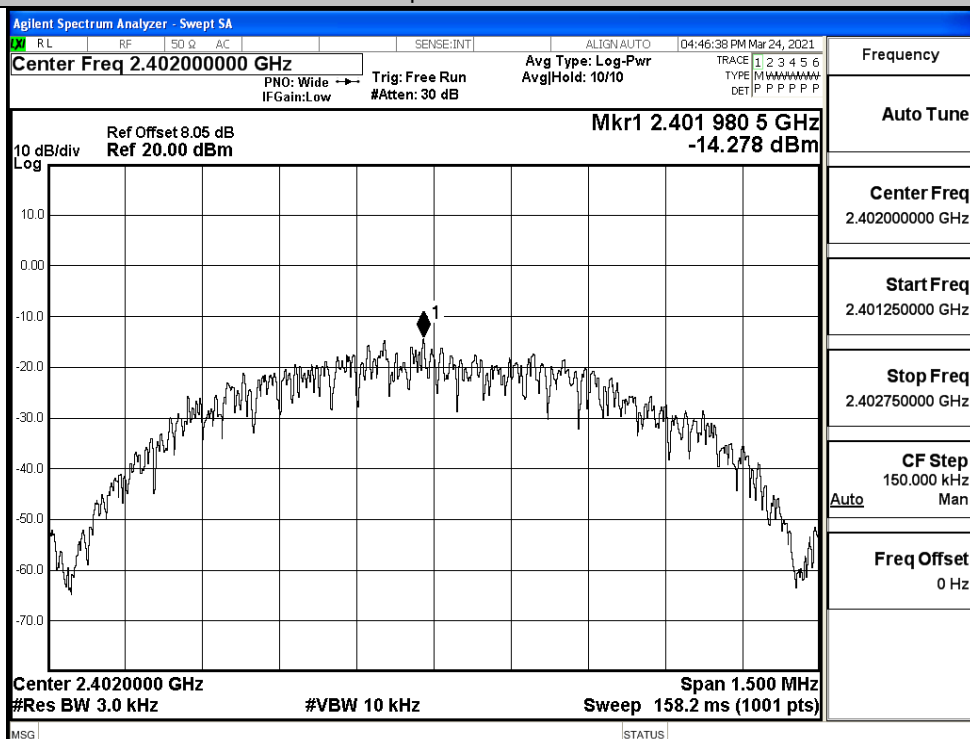
B.3 Maximum Power Spectral Density

BT LE

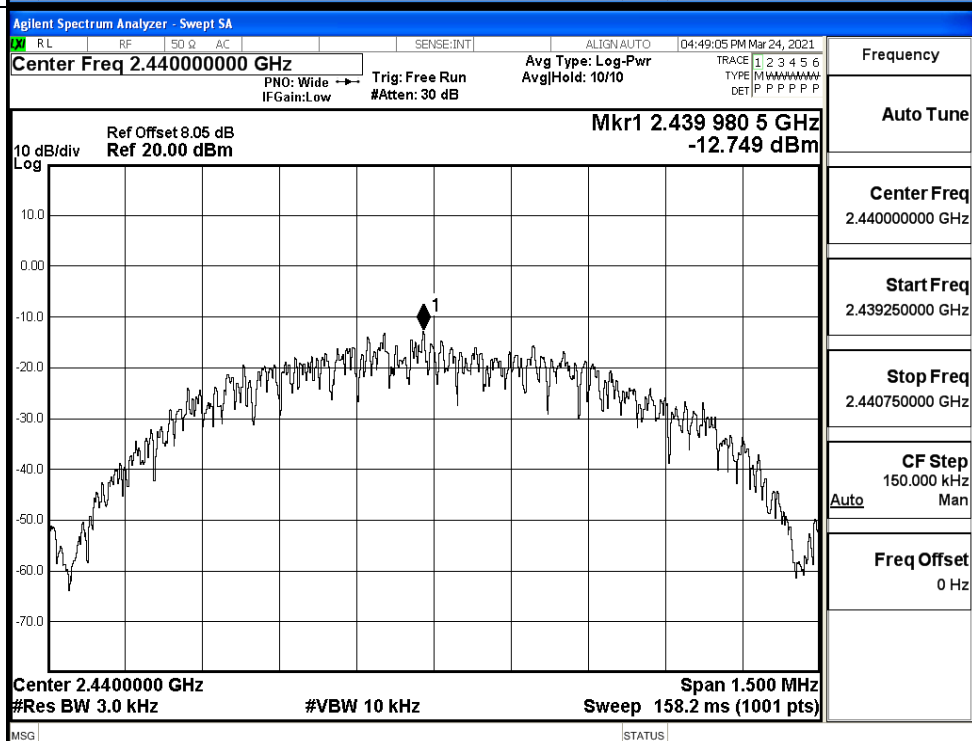
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.278	8	PASS
BT LE	MCH	-12.749	8	PASS
BT LE	HCH	-14.325	8	PASS

Test Graphs

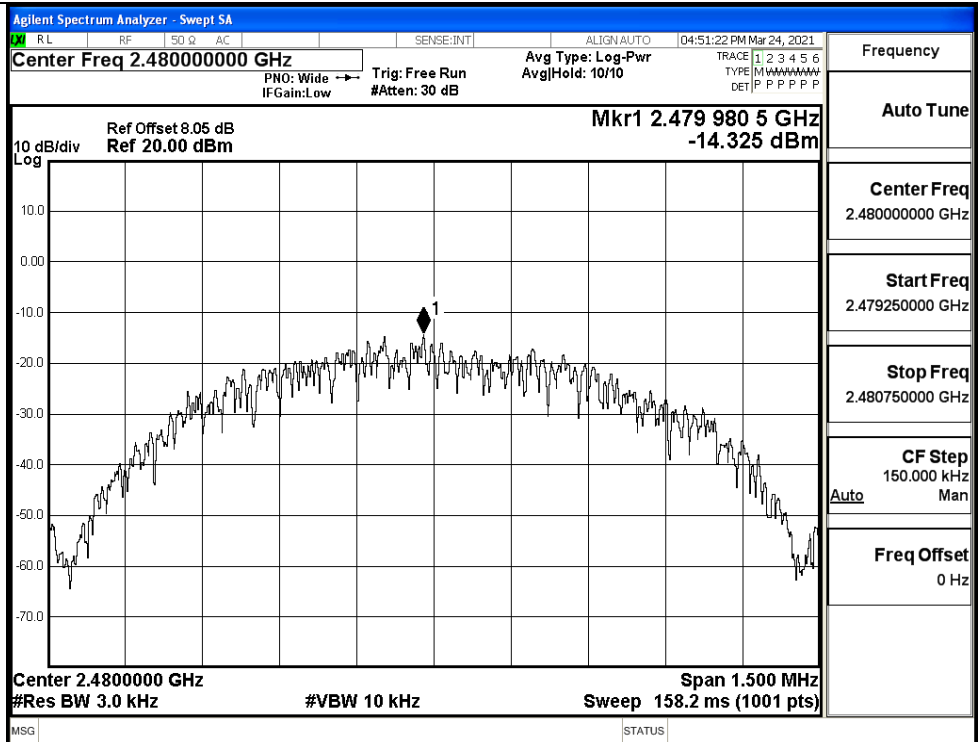
LCH



MCH



HCH

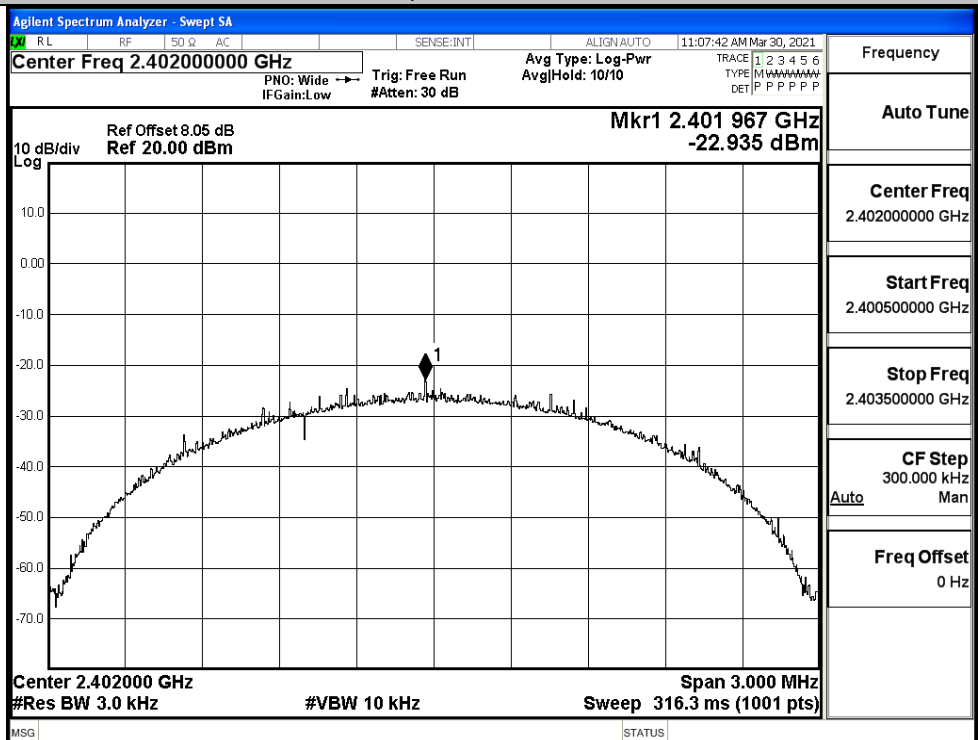


BT 2LE

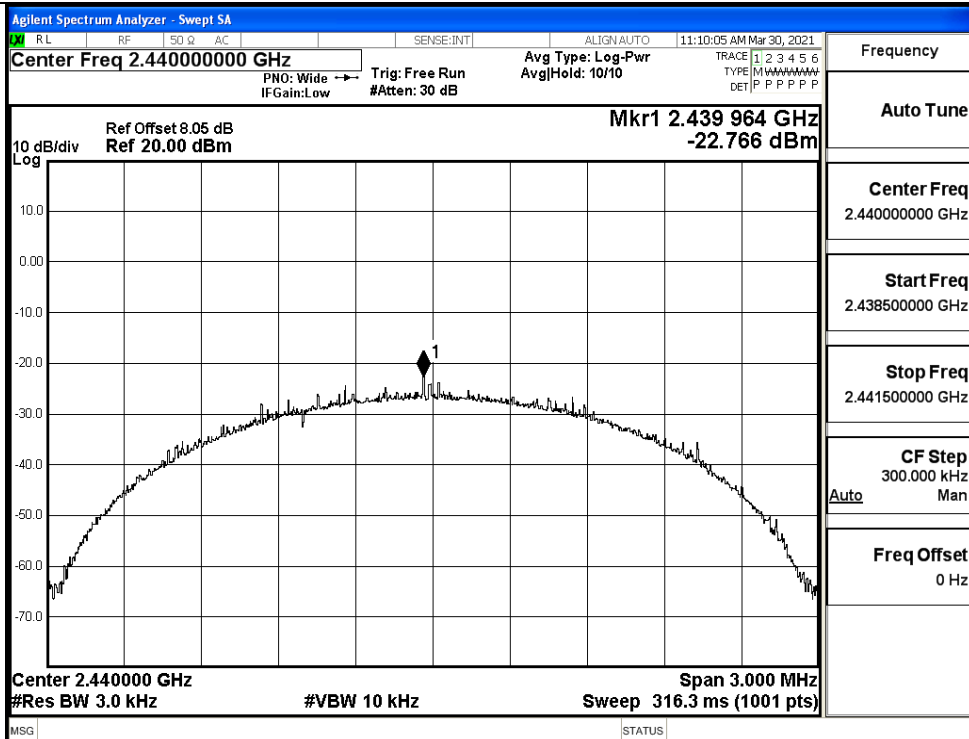
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT 2LE	LCH	-22.935	8	PASS
BT 2LE	MCH	-22.766	8	PASS
BT 2LE	HCH	-23.380	8	PASS

Test Graphs

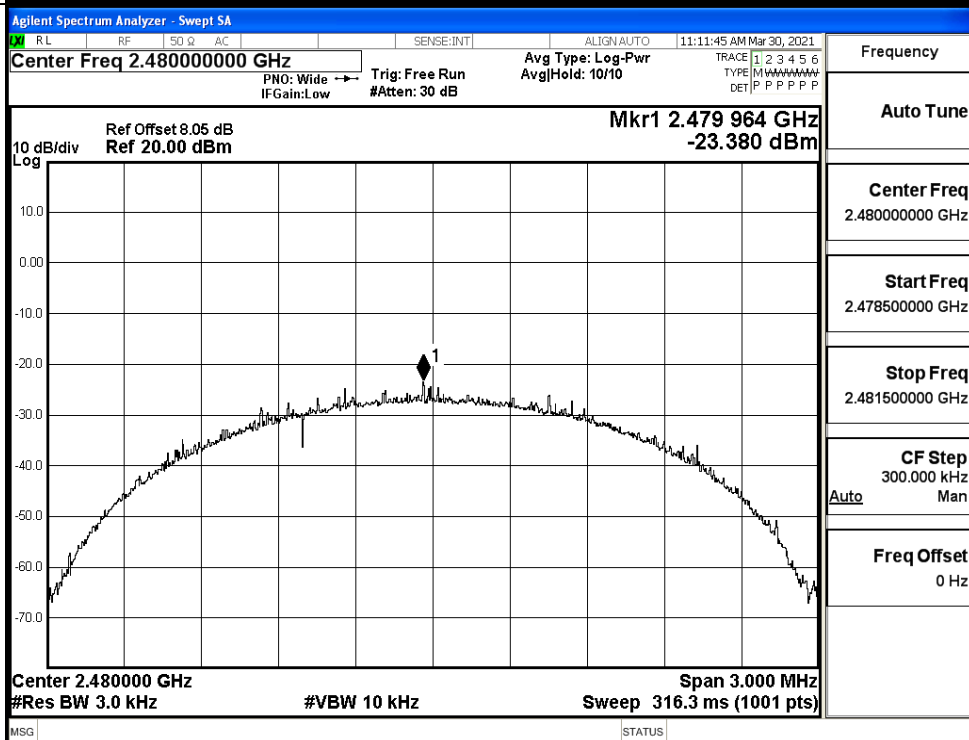
LCH



MCH



HCH



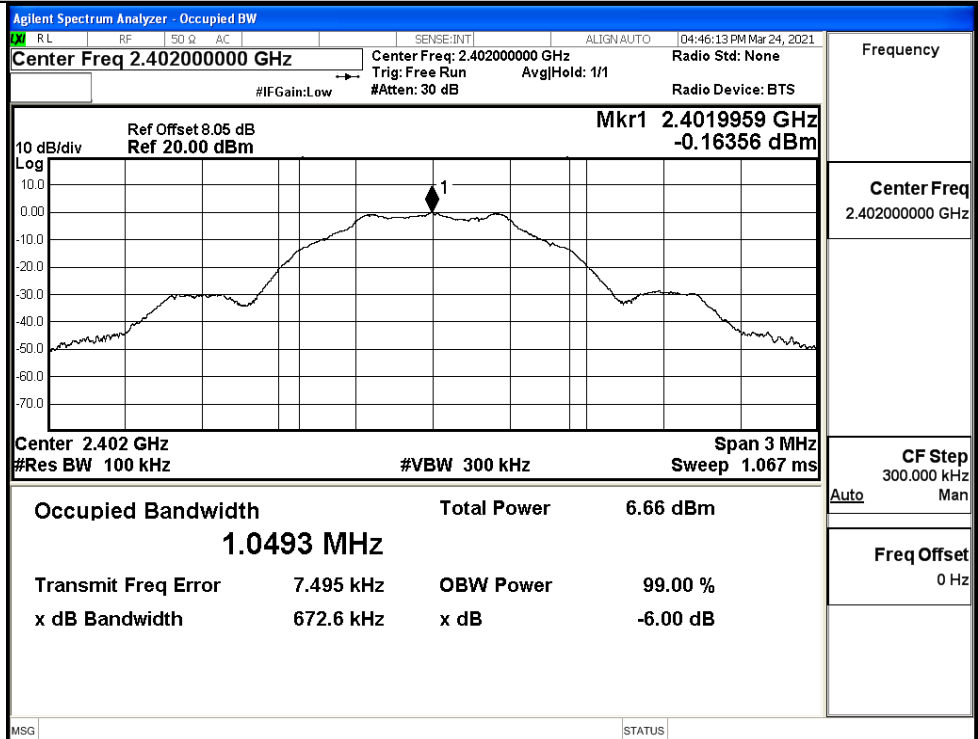
B.4 6dB Bandwidth

BT LE

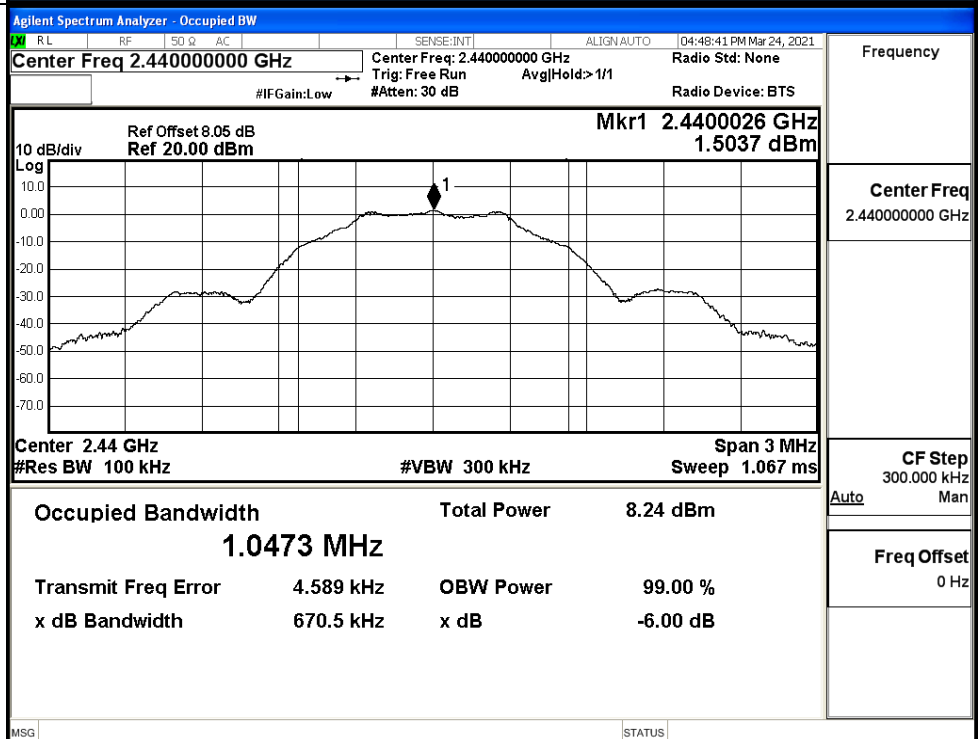
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6726	≥ 0.5	PASS
BT LE	MCH	0.6705	≥ 0.5	PASS
BT LE	HCH	0.6779	≥ 0.5	PASS

Test Graphs

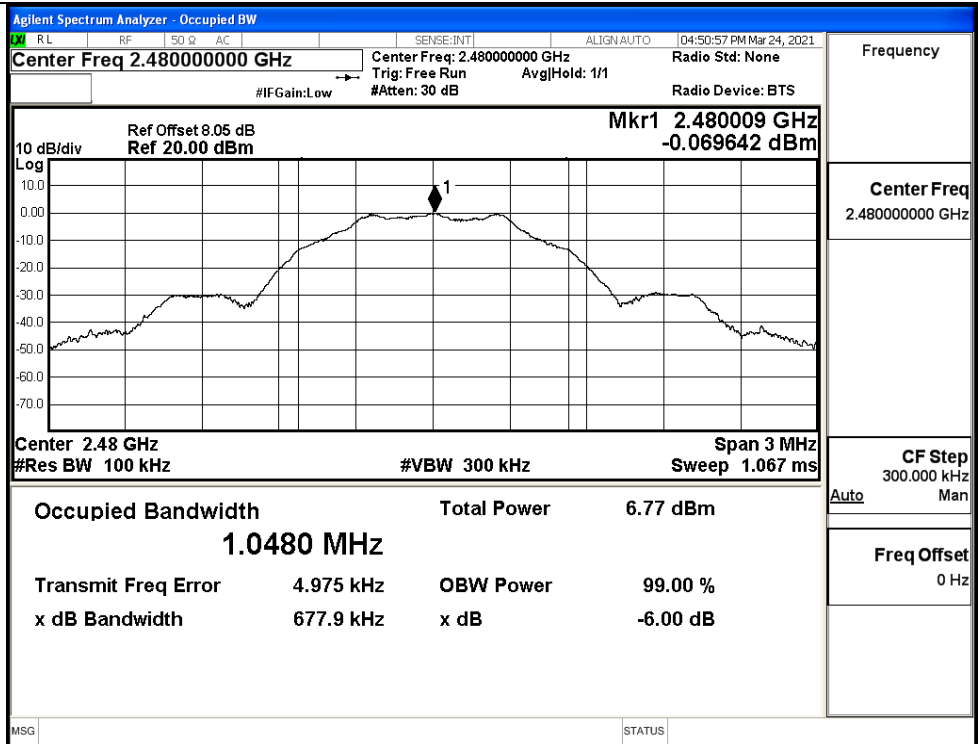
LCH



MCH



HCH

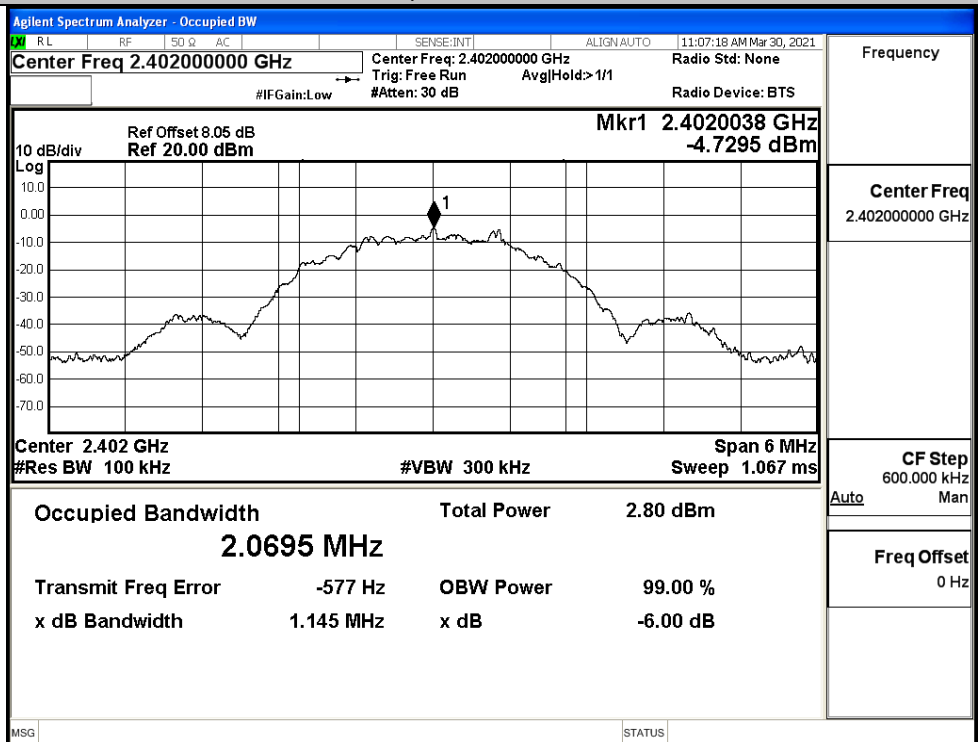


BT 2LE

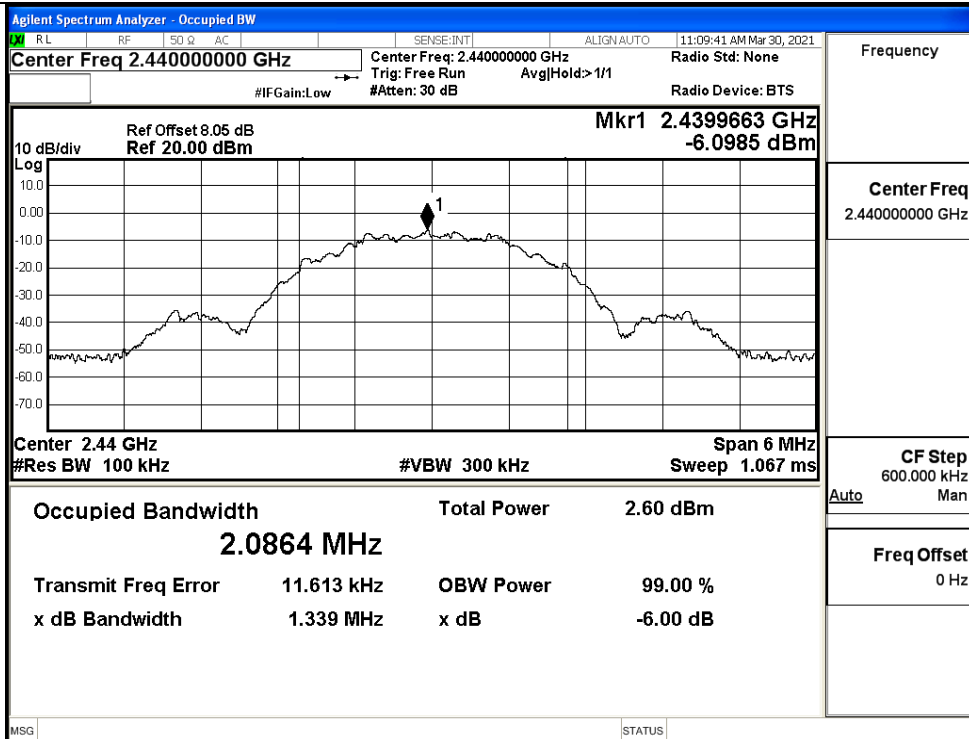
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT 2LE	LCH	1.145	≥ 0.5	PASS
BT 2LE	MCH	1.339	≥ 0.5	PASS
BT 2LE	HCH	1.167	≥ 0.5	PASS

Test Graphs

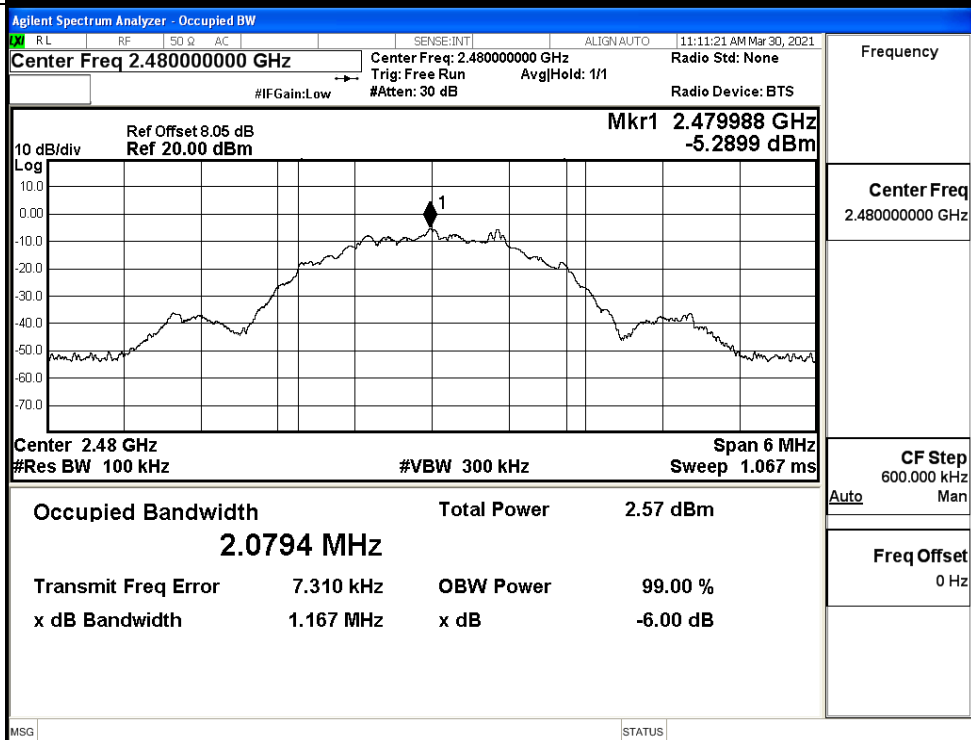
LCH



MCH



HCH



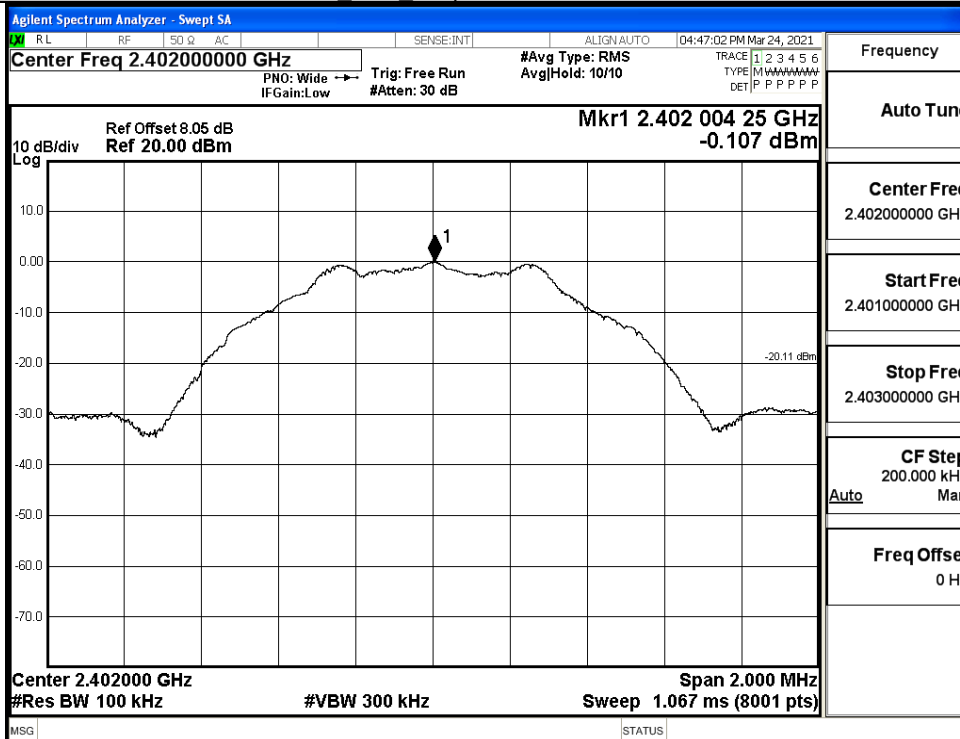
B.5 RF Conducted Spurious Emissions

BT LE

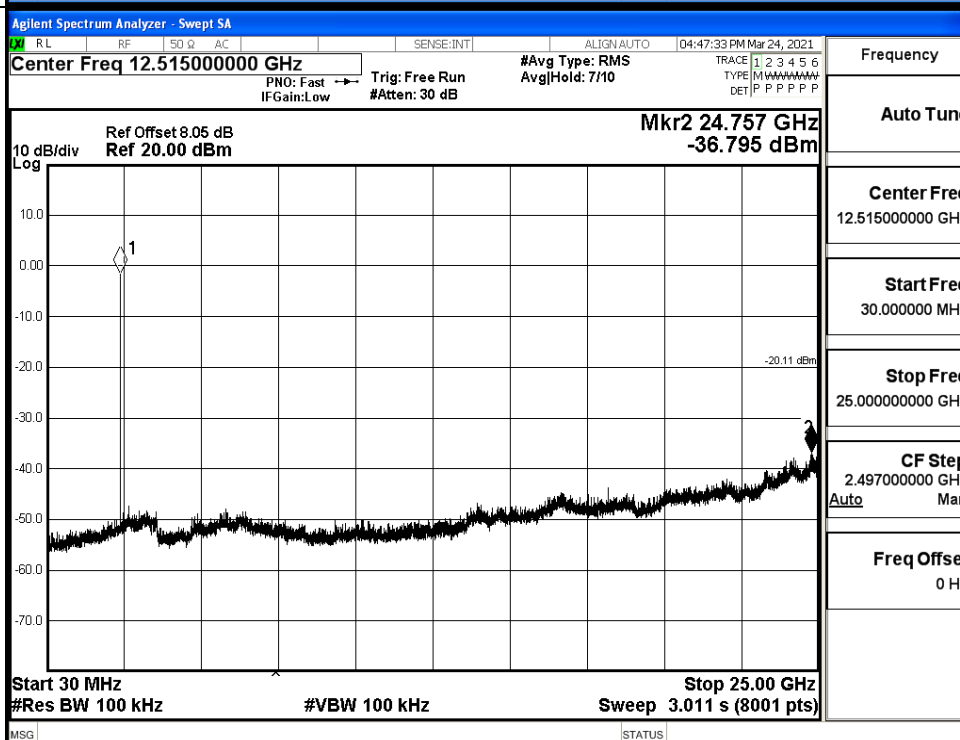
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.107	-36.795	-20.107	PASS
BT LE	MCH	1.505	-37.253	-18.495	PASS
BT LE	HCH	-0.012	-37.845	-20.012	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

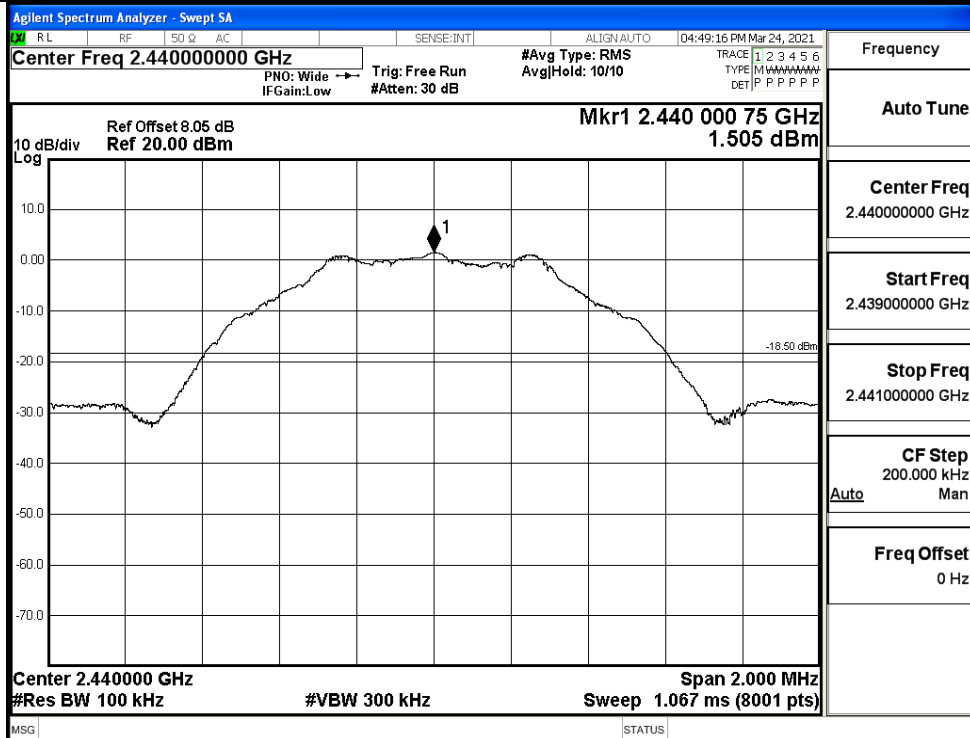


Puw/BT LE/LCH

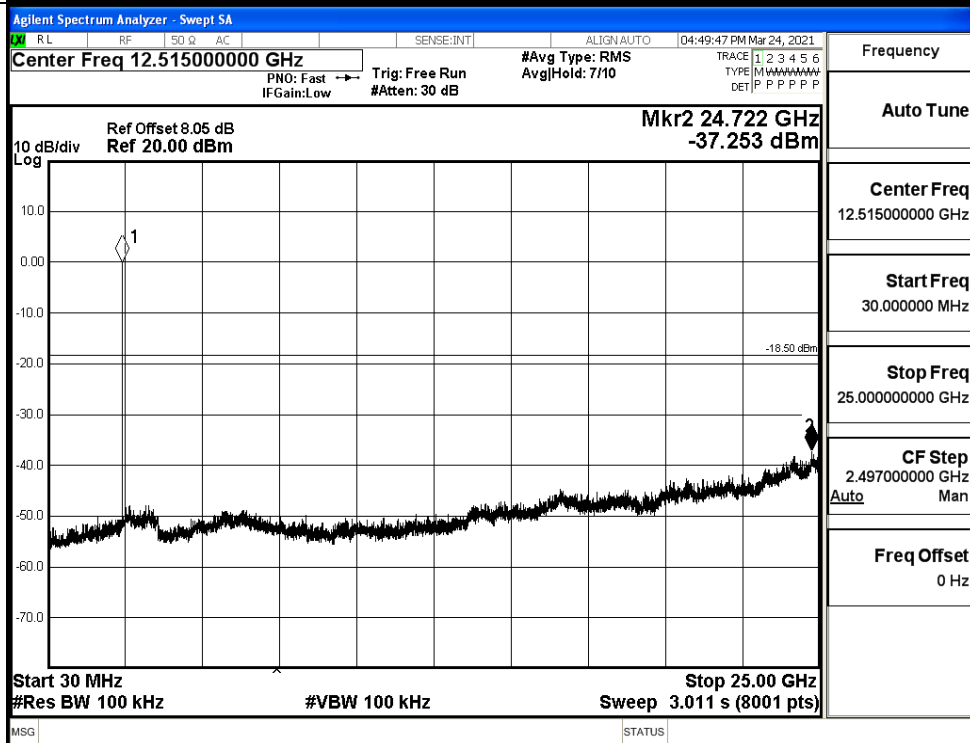


BT LE MCH Graphs

Pref/BT LE/MCH

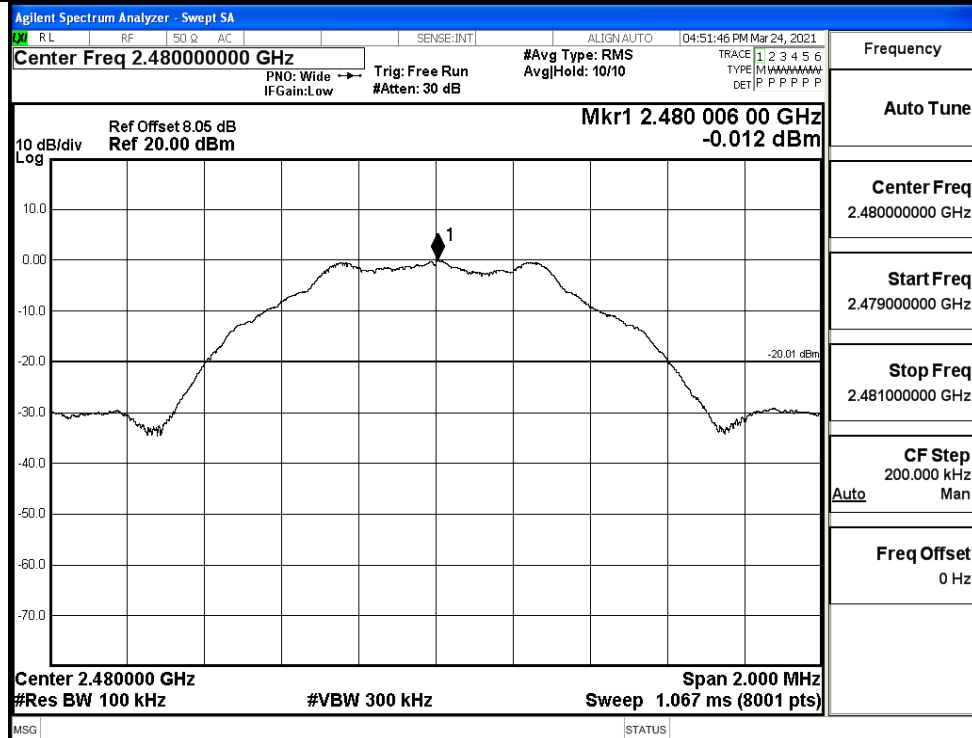


Puw/BT LE/MCH

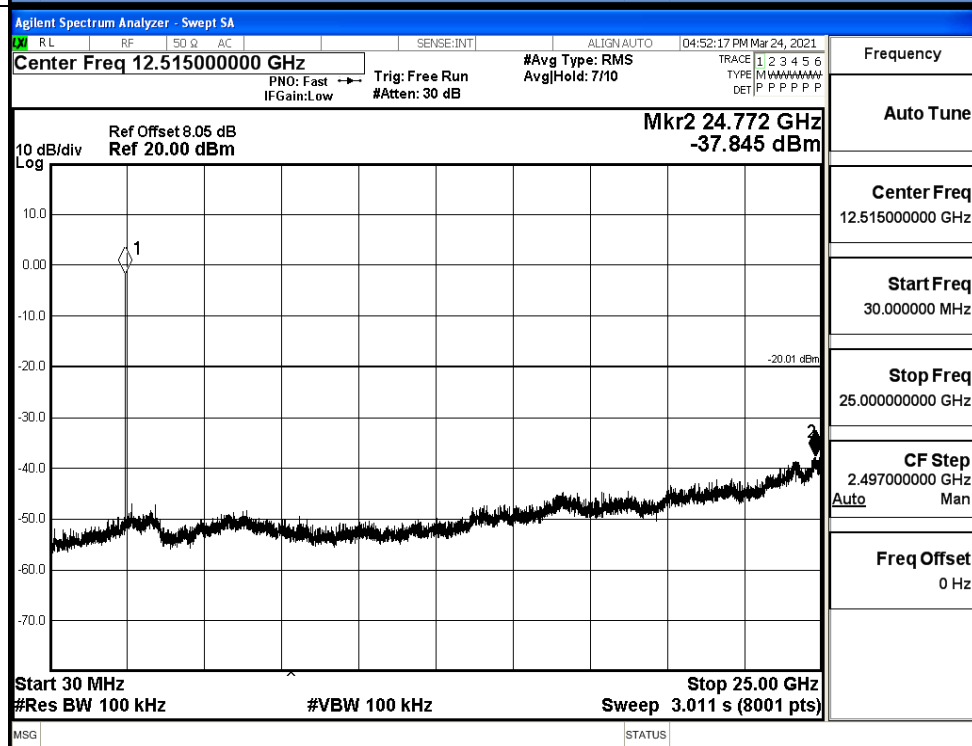


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

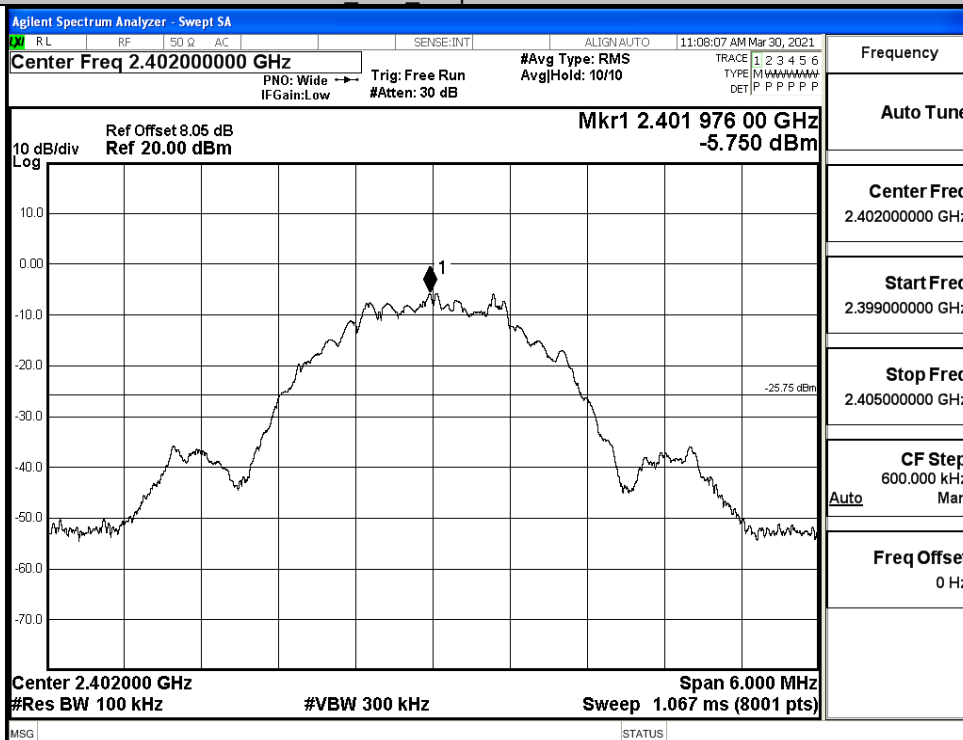


BT 2LE

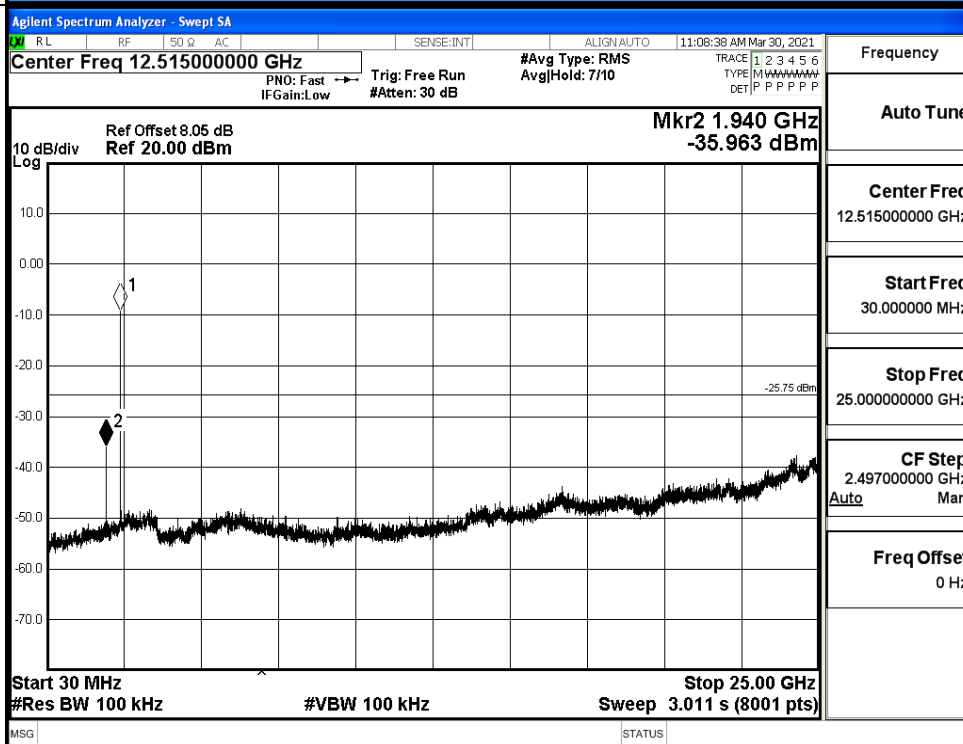
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-5.75	-35.963	-25.750	PASS
BT 2LE	MCH	-4.743	-37.604	-24.743	PASS
BT 2LE	HCH	-5.219	-37.649	-25.219	PASS

BT 2LE LCH Graphs

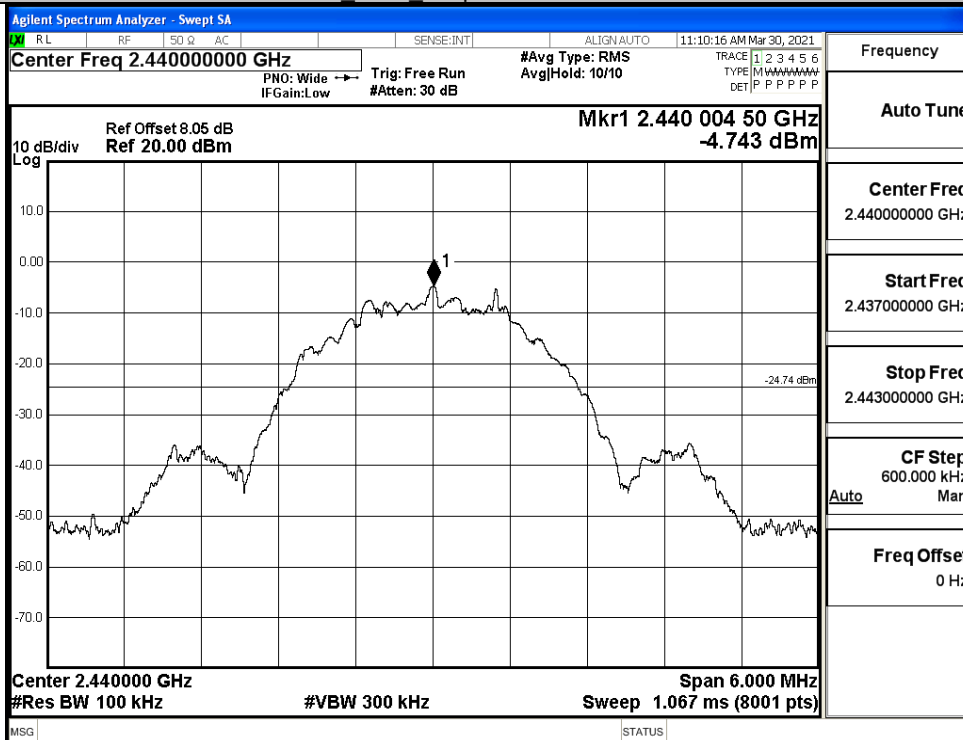
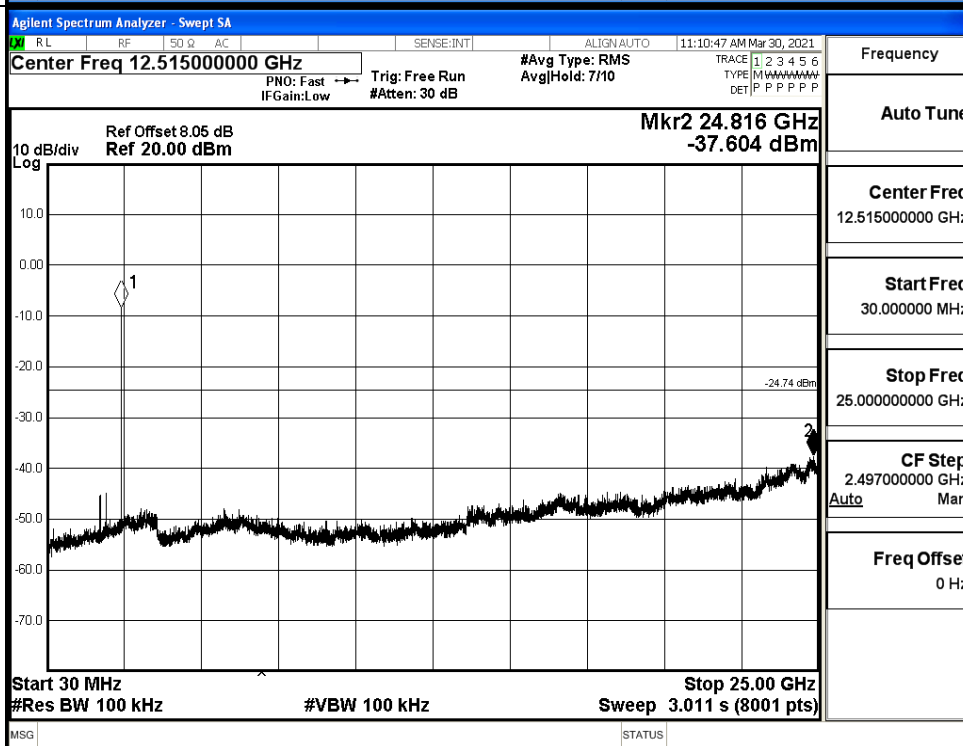
Pref/BT 2LE/LCH



Puw/BT 2LE/LCH

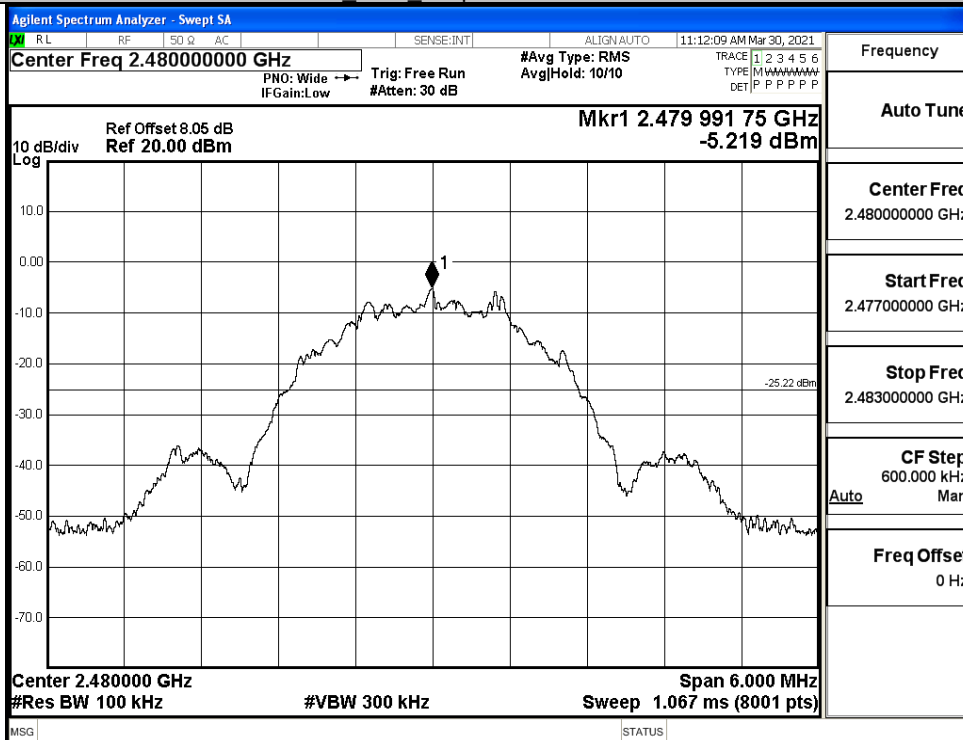


BT 2LE MCH Graphs

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

BT 2LE HCH Graphs

Pref/BT 2LE/HCH

Puw/BT
2LE/HCH

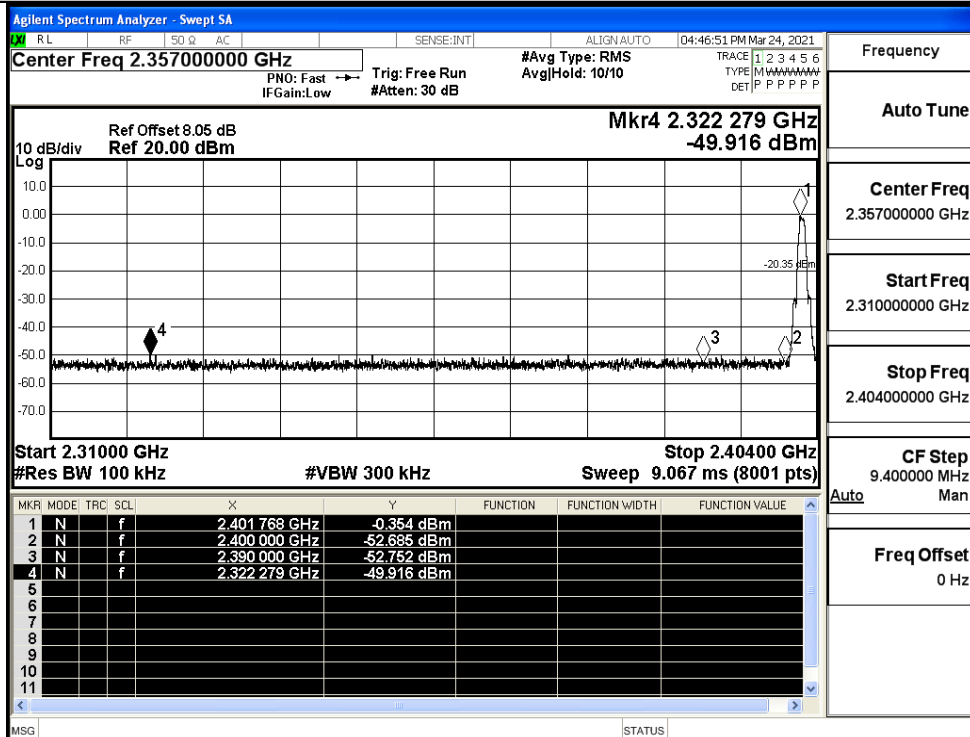
B.6 Band-edge for RF Conducted Emissions

BT LE

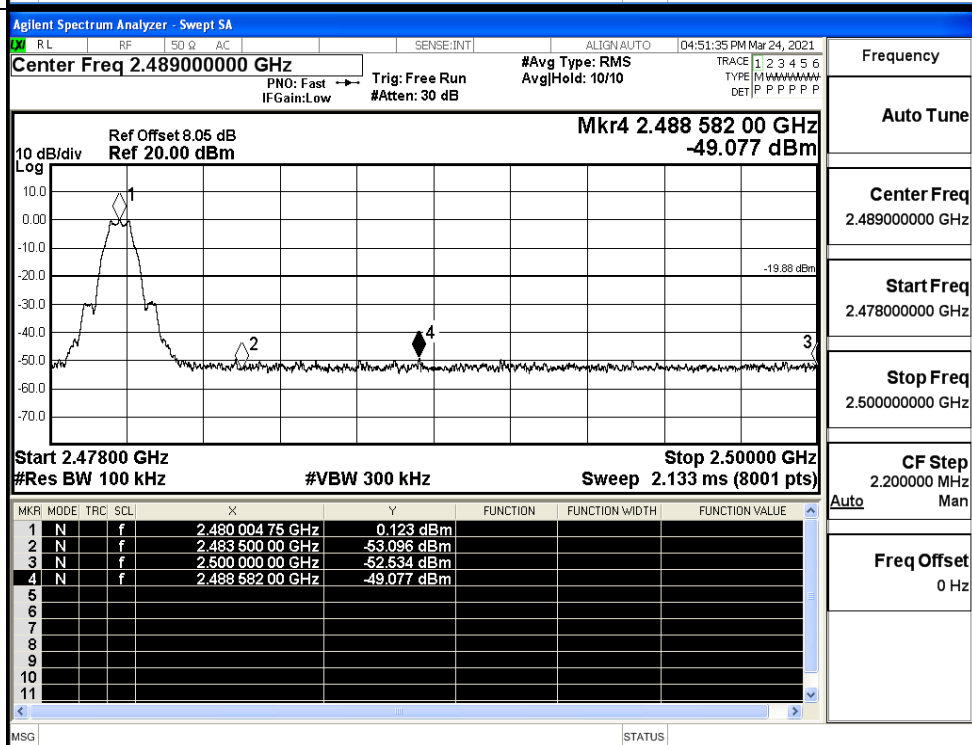
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.354	-49.916	-20.35	PASS
BT LE	HCH	0.123	-49.077	-19.88	PASS

Test Graphs

LCH



HCH

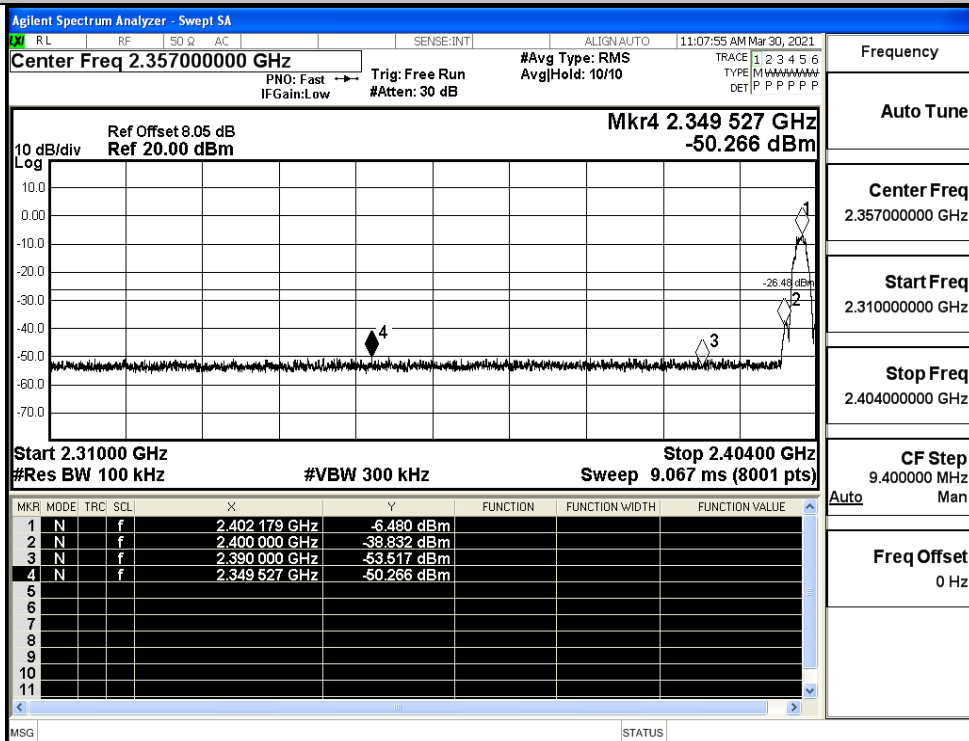


BT 2LE

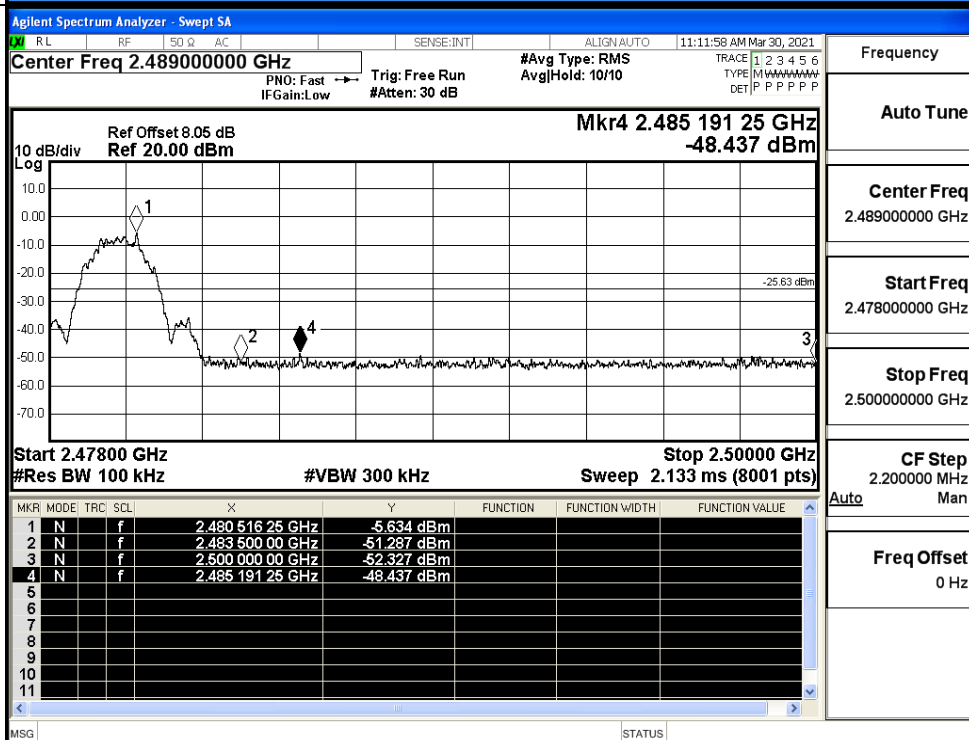
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-6.480	-50.266	-26.48	PASS
BT 2LE	HCH	-5.634	-48.437	-25.63	PASS

Test Graphs

LCH



HCH

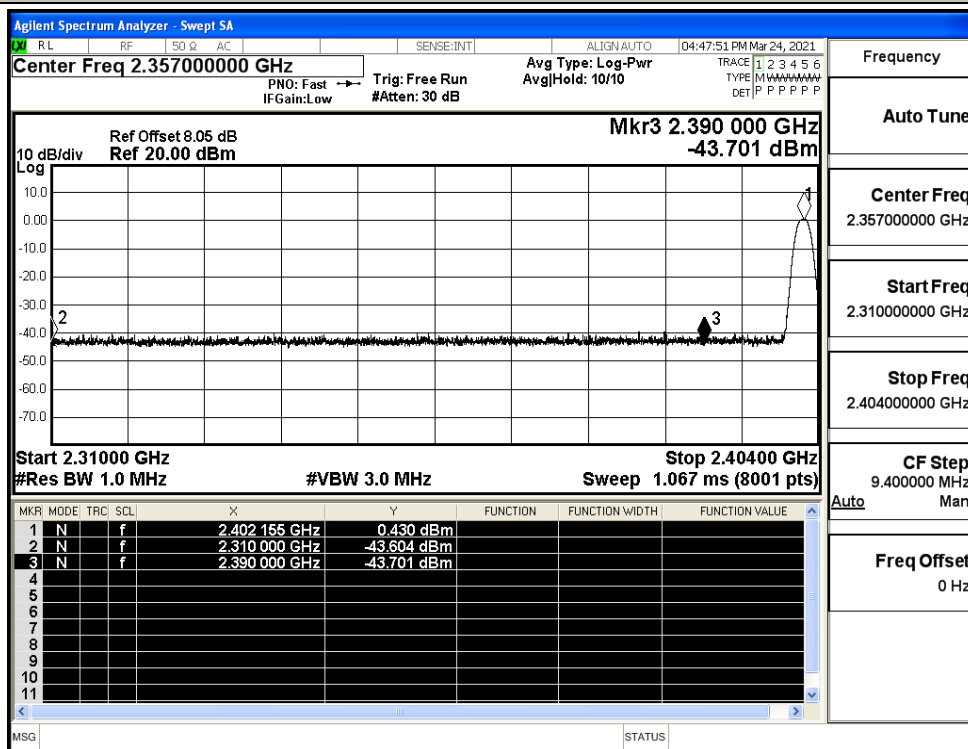


B.7 Restrict-band band-edge measurements

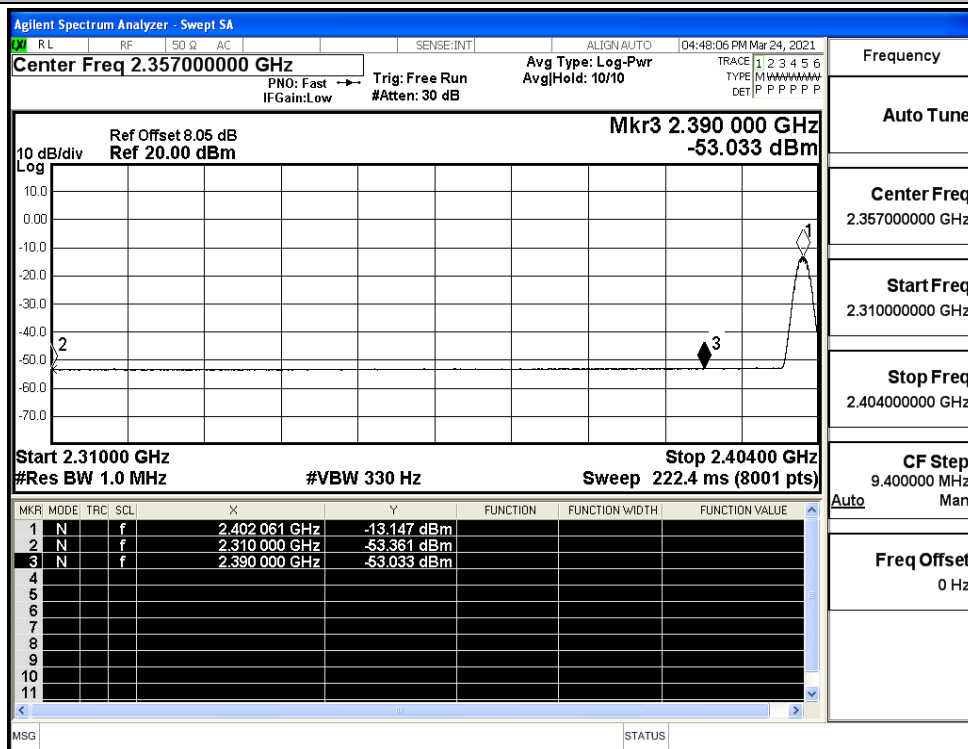
BT LE

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	-43.60	2.0	0	51.65	PEAK	74	PASS
		Ant1	2310.0	-53.36	2.0	0	41.90	AV	54	PASS
		Ant1	2390.0	-43.70	2.0	0	51.56	PEAK	74	PASS
		Ant1	2390.0	-53.03	2.0	0	42.22	AV	54	PASS
	2480	Ant1	2483.5	-41.30	2.0	0	53.96	PEAK	74	PASS
		Ant1	2483.5	-52.53	2.0	0	42.73	AV	54	PASS
		Ant1	2500.0	-41.98	2.0	0	53.27	PEAK	74	PASS
		Ant1	2500.0	-52.24	2.0	0	43.01	AV	54	PASS

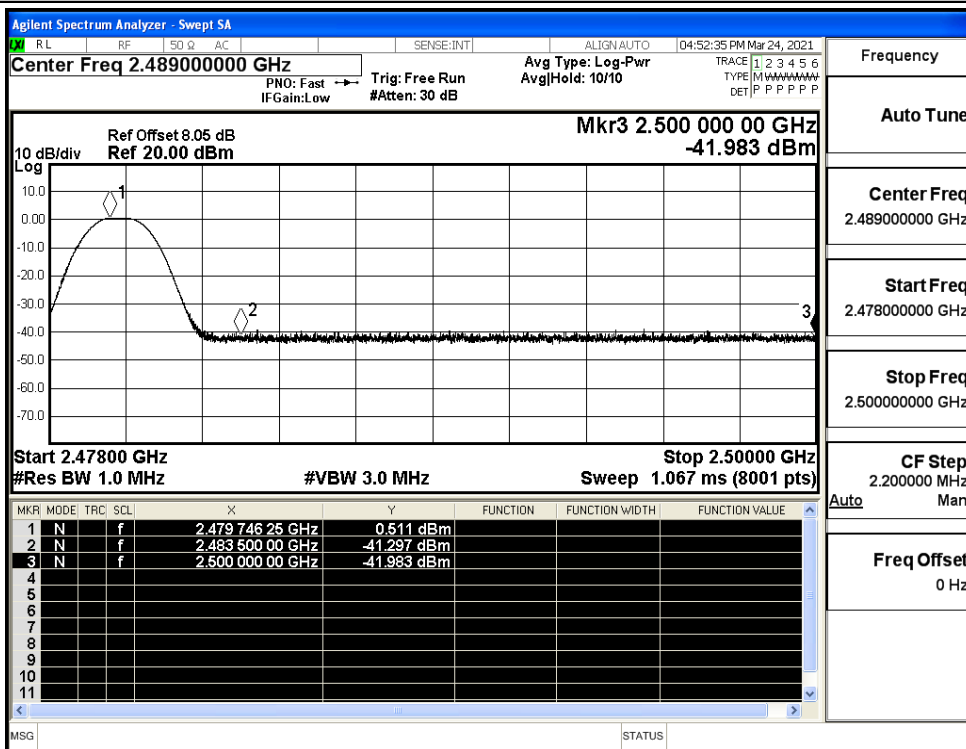
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



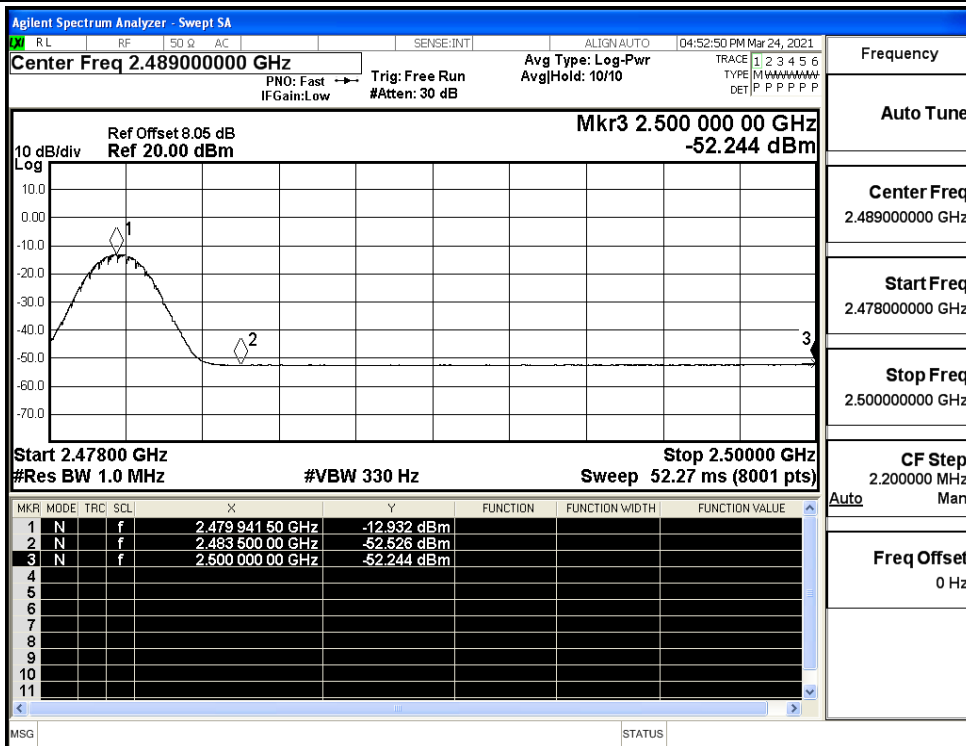
Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



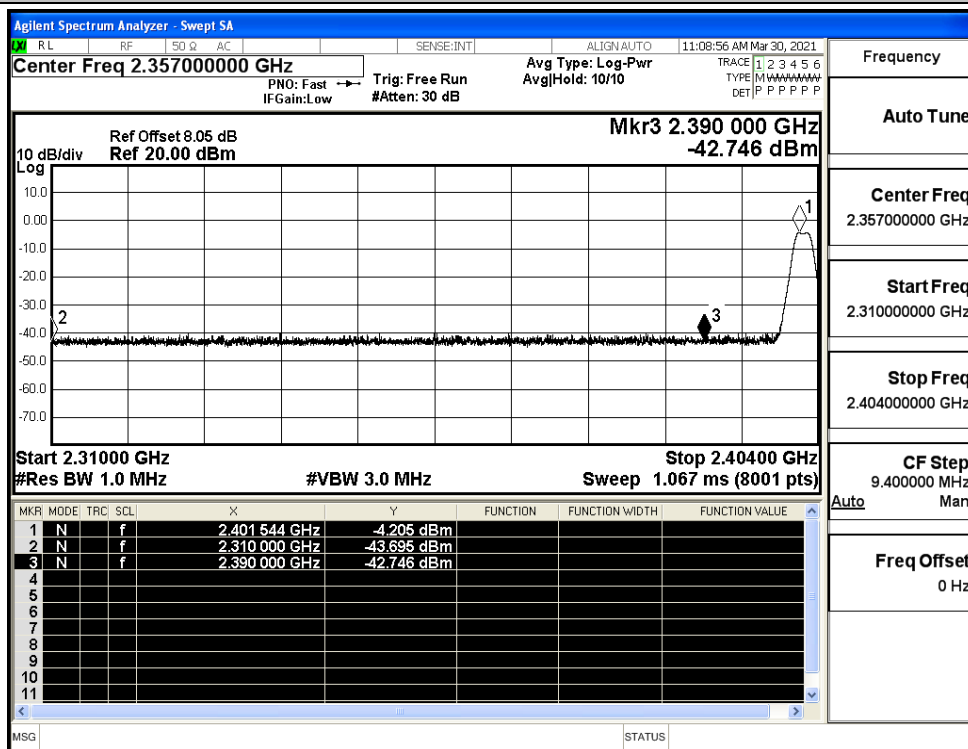
Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



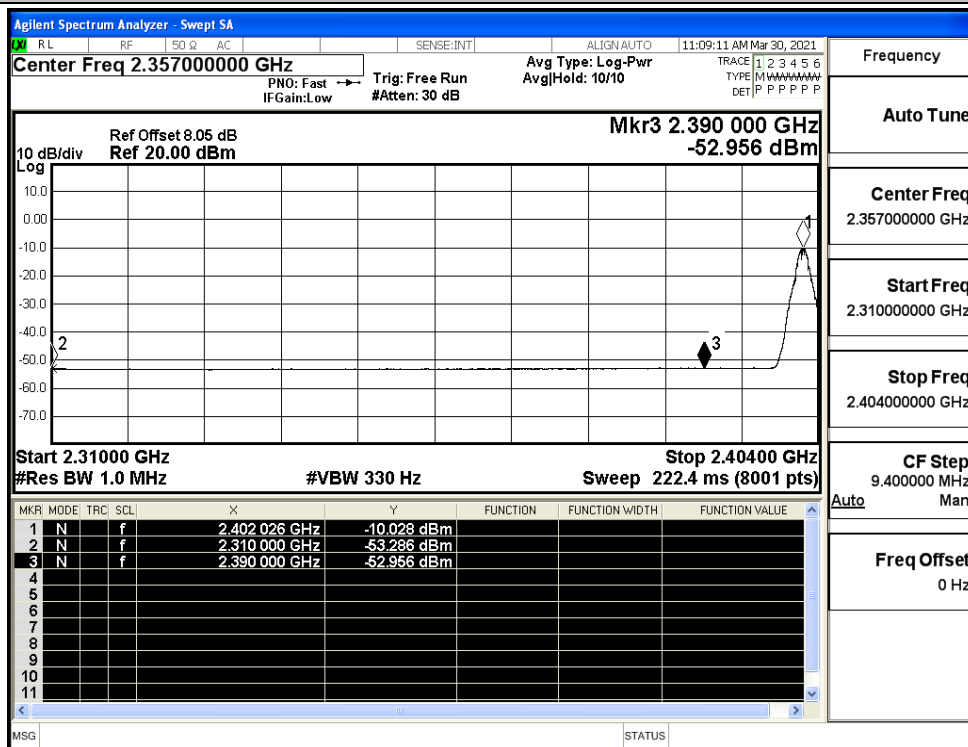
BT 2LE

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	-43.70	2.0	0	51.56	PEAK	74	PASS
		Ant1	2310.0	-53.29	2.0	0	41.97	AV	54	PASS
		Ant1	2390.0	-42.75	2.0	0	52.51	PEAK	74	PASS
		Ant1	2390.0	-52.96	2.0	0	42.30	AV	54	PASS
	2480	Ant1	2483.5	-42.09	2.0	0	53.16	PEAK	74	PASS
		Ant1	2483.5	-52.18	2.0	0	43.08	AV	54	PASS
		Ant1	2500.0	-41.85	2.0	0	53.41	PEAK	74	PASS
		Ant1	2500.0	-52.15	2.0	0	43.10	AV	54	PASS

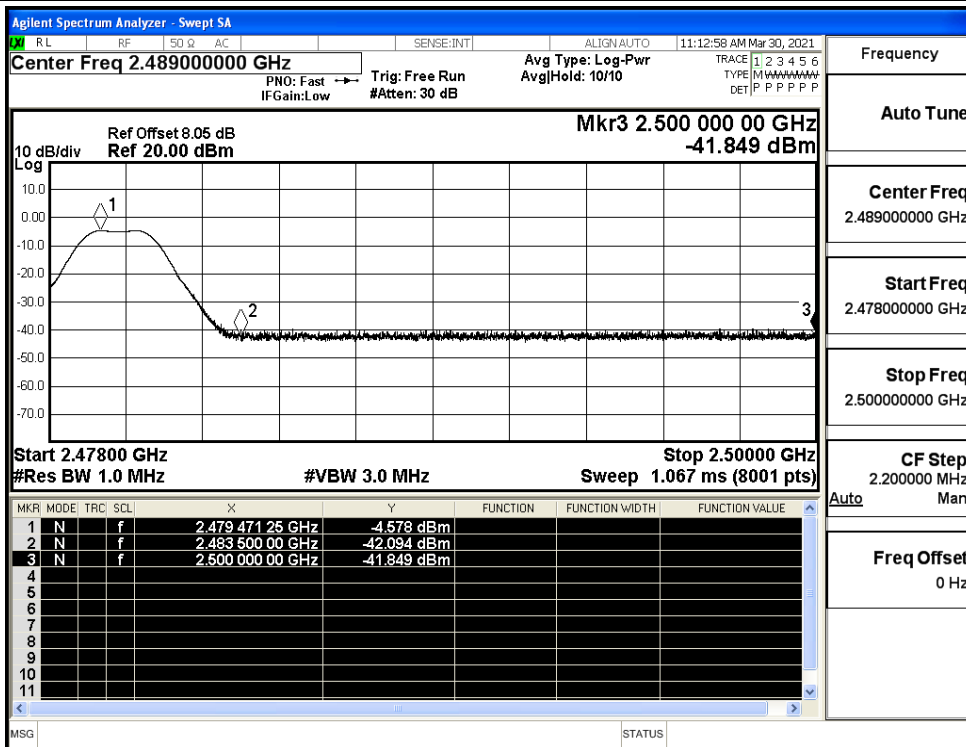
Restrict-band band-edge measurements_BT 2LE_2402_Ant1_PEAK



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

