

Appendix B

RF Test Data for BT V4.1(BDR/EDR) (Conducted Measurement)

Product Name: TABLET PC

Trade Mark: Haitech

Test Model: H133

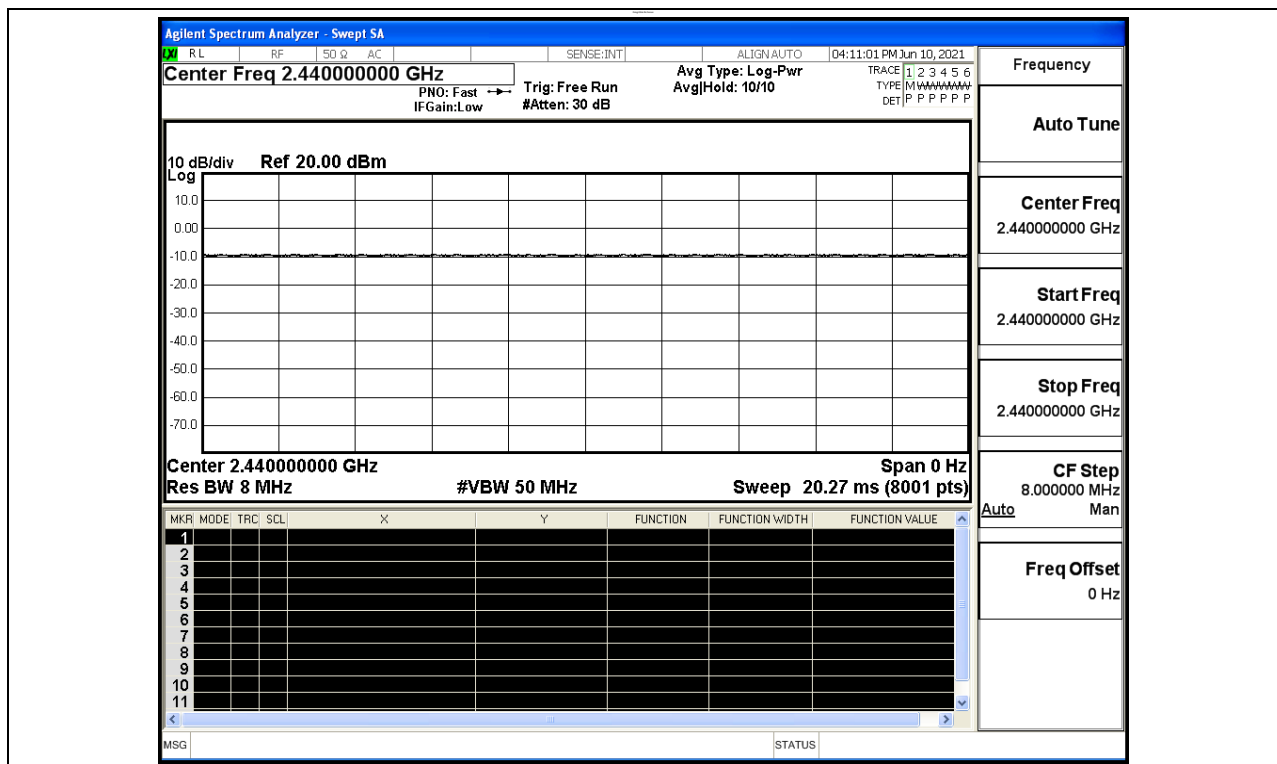
Environmental Conditions

Temperature:	25.1 ° C
Relative Humidity:	50.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

B.1 Duty Cycle

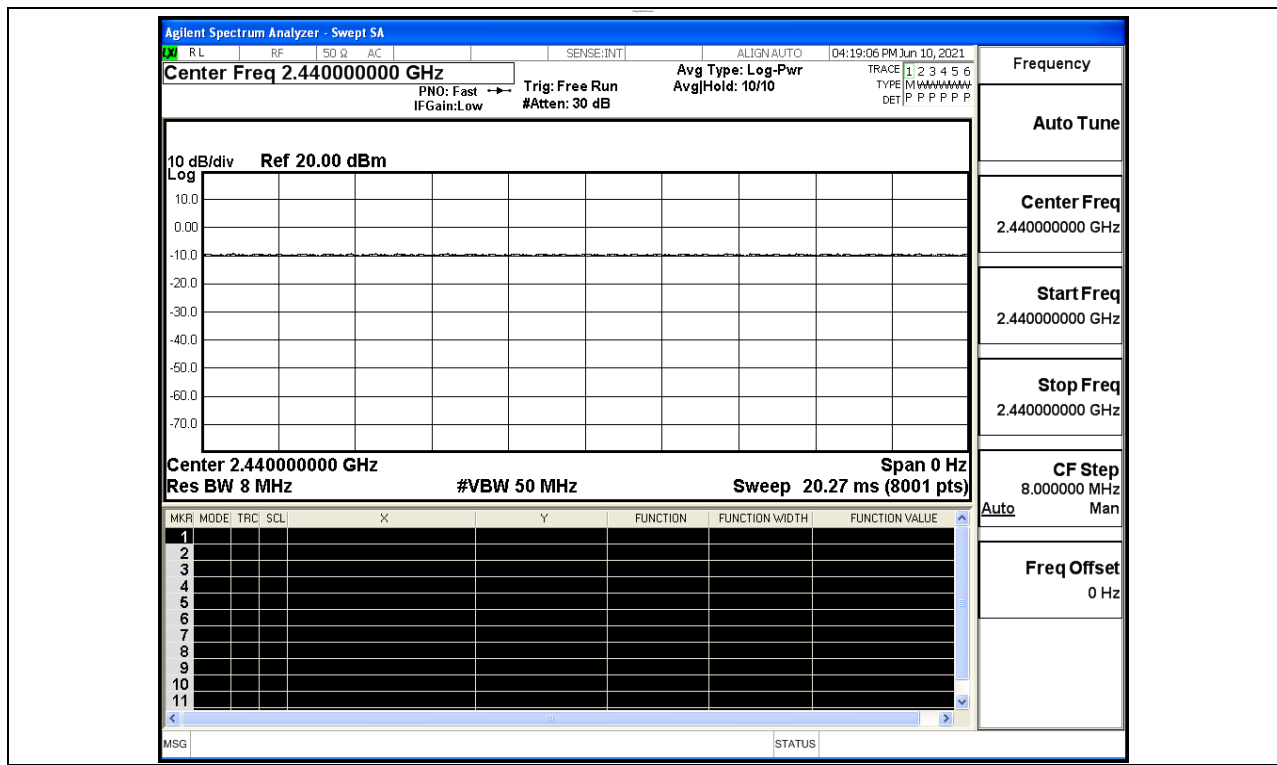
BT LE

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 LE	2440	Ant1	100	PASS



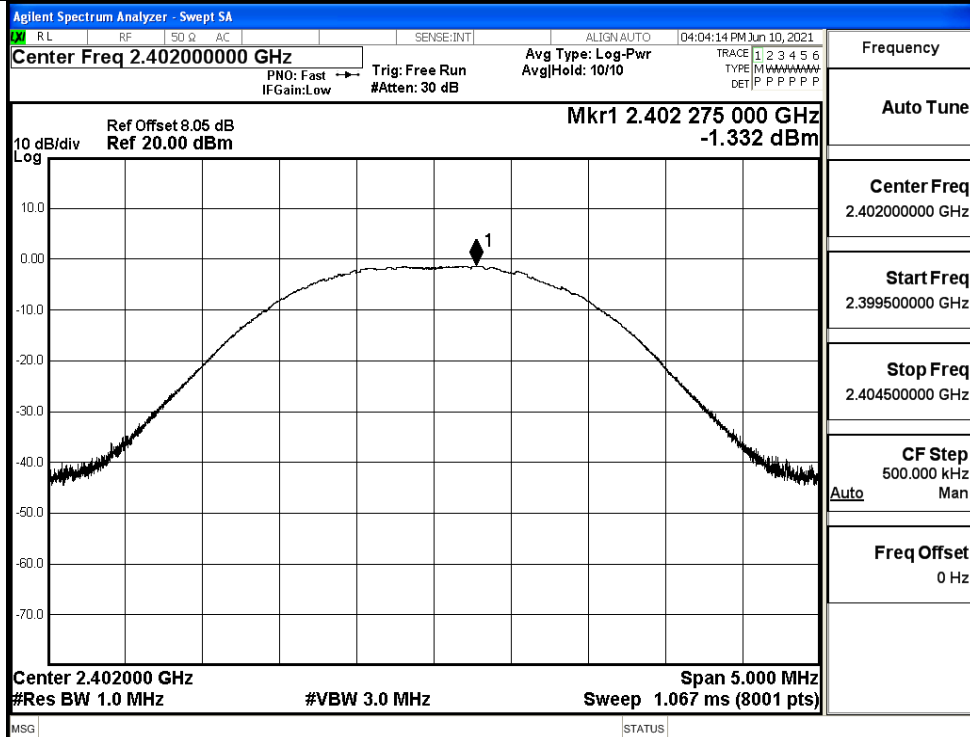
B.2 Maximum Conducted Peak Output Power

BT LE

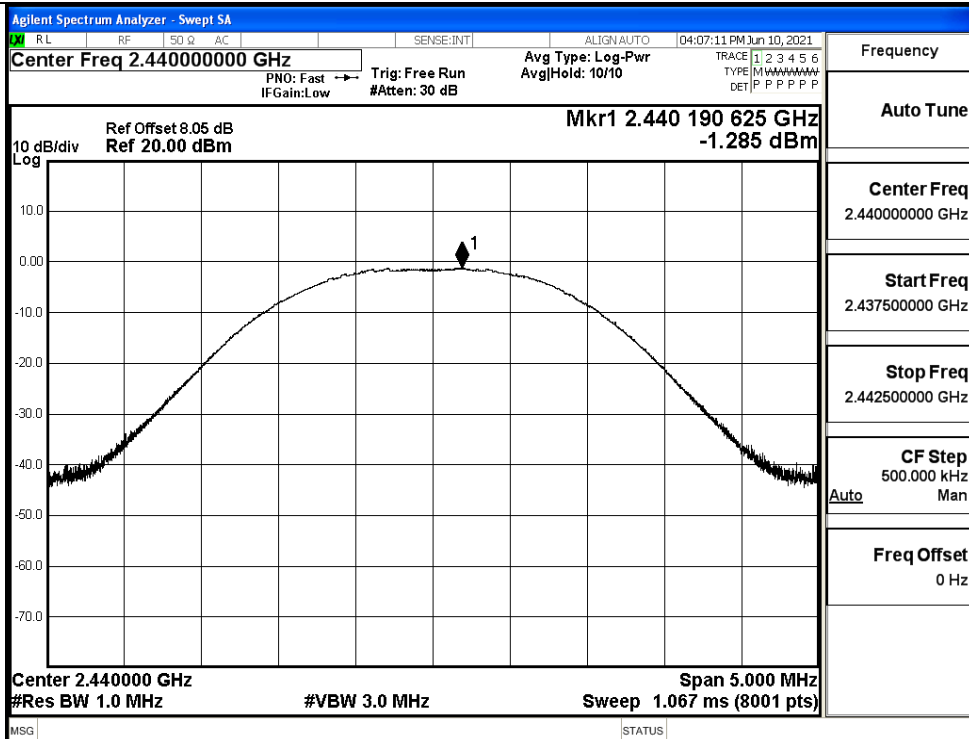
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.332	30	PASS
BT LE	MCH	-1.285	30	PASS
BT LE	HCH	-0.879	30	PASS

Test Graphs

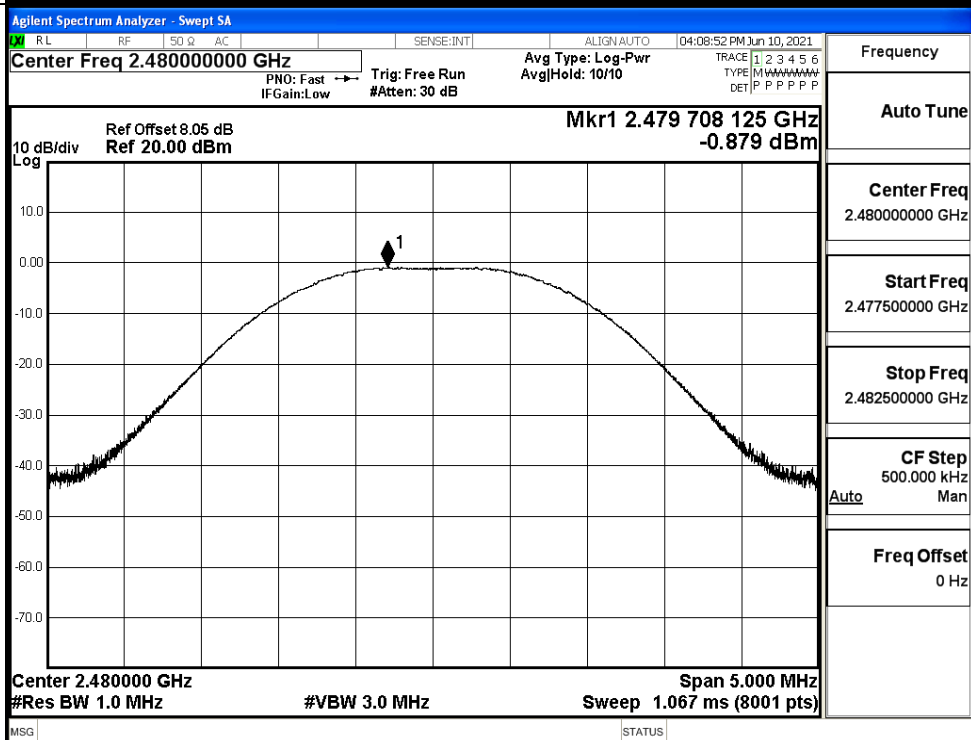
LCH



MCH



HCH

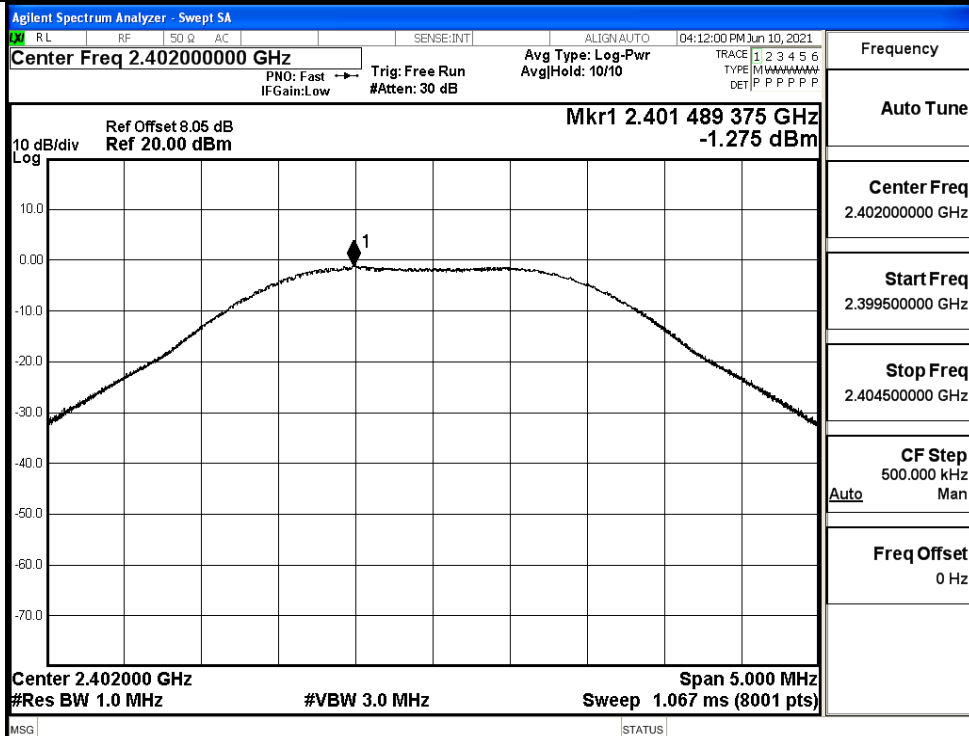


BT 2LE

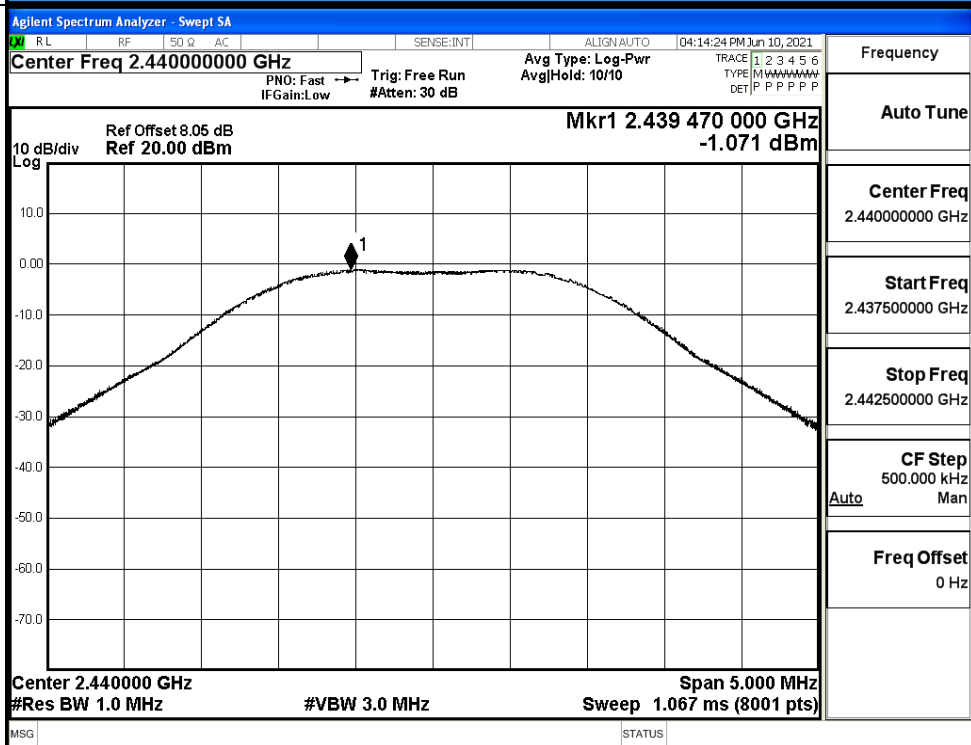
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.275	30	PASS
BT LE	MCH	-1.071	30	PASS
BT LE	HCH	-0.595	30	PASS

Test Graphs

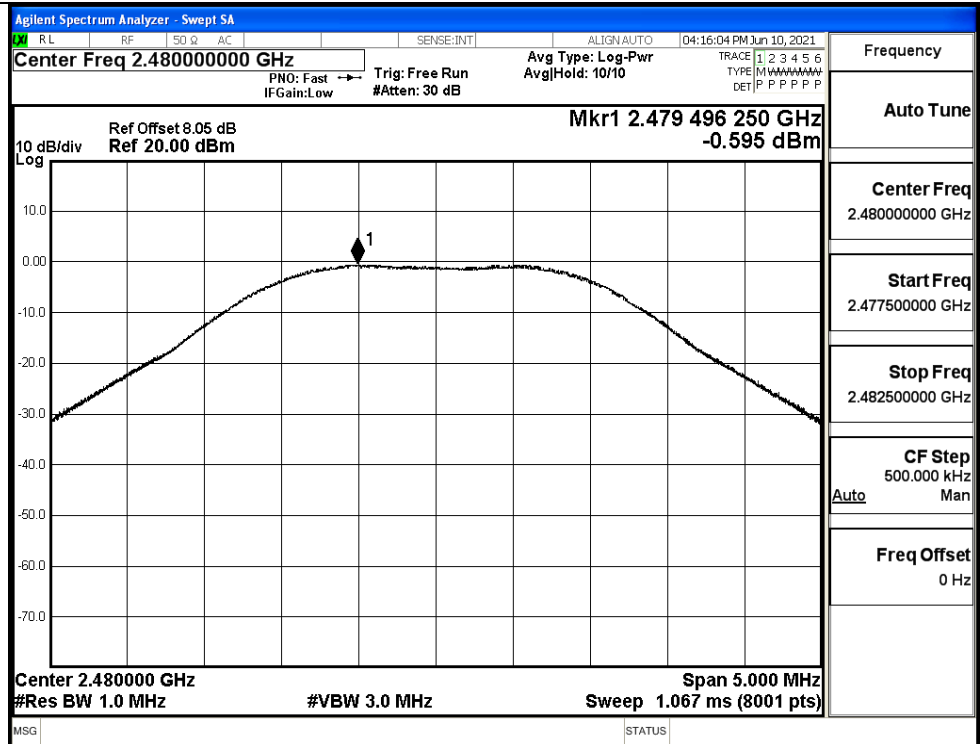
LCH



MCH



HCH



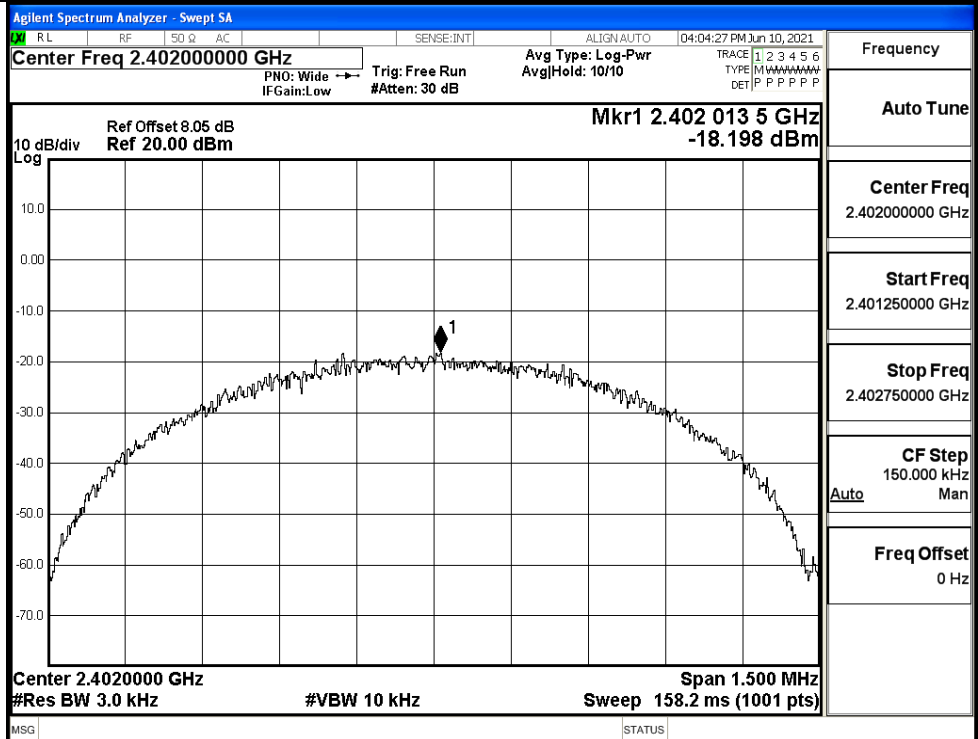
B.3 Maximum Power Spectral Density

BT LE

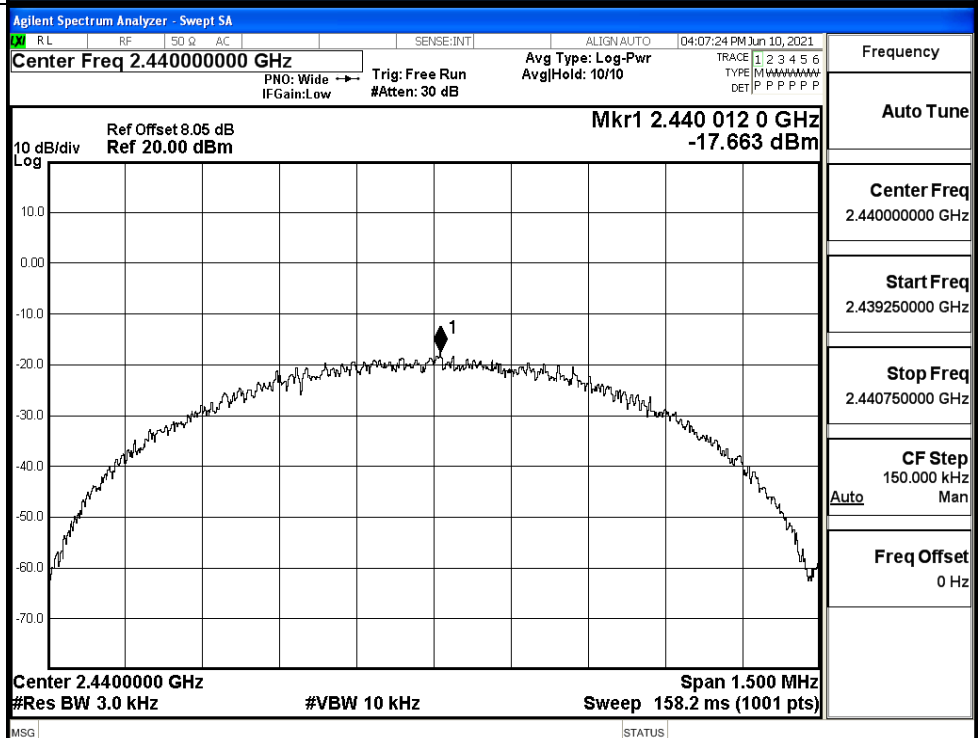
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-18.198	8	PASS
BT LE	MCH	-17.663	8	PASS
BT LE	HCH	-17.602	8	PASS

Test Graphs

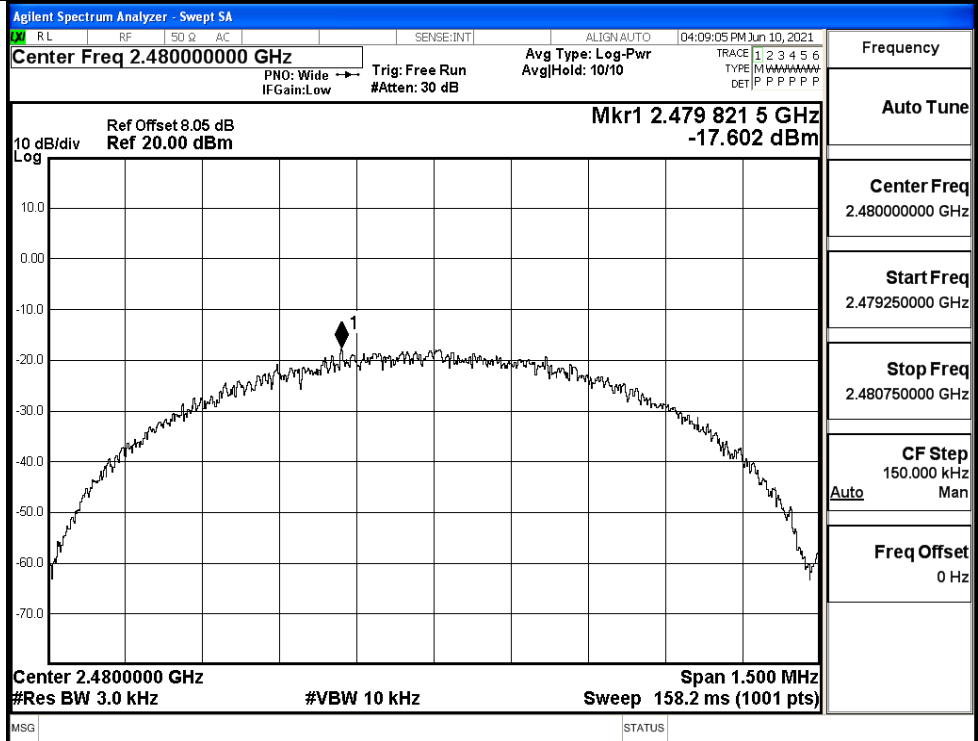
LCH



MCH



HCH

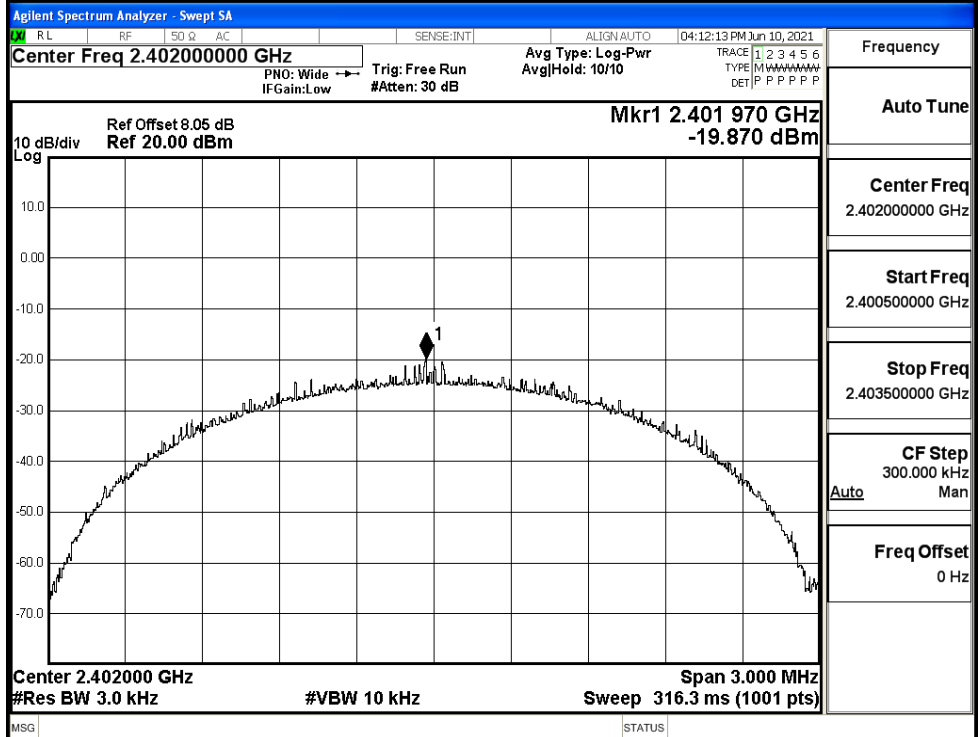


BT 2LE

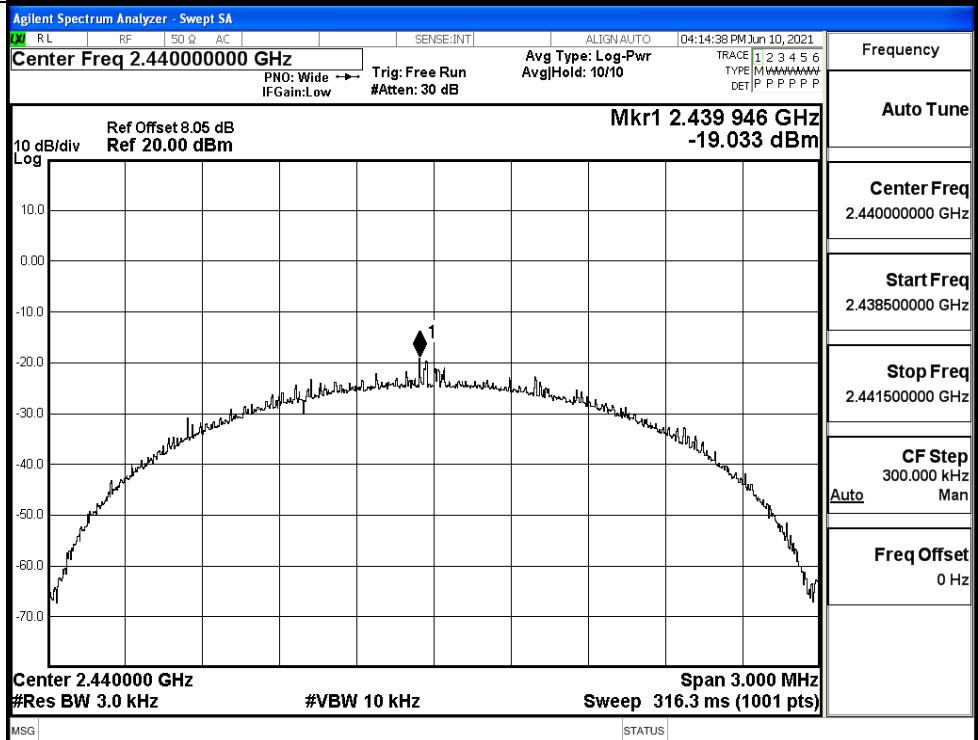
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-19.870	8	PASS
BT LE	MCH	-19.033	8	PASS
BT LE	HCH	-19.076	8	PASS

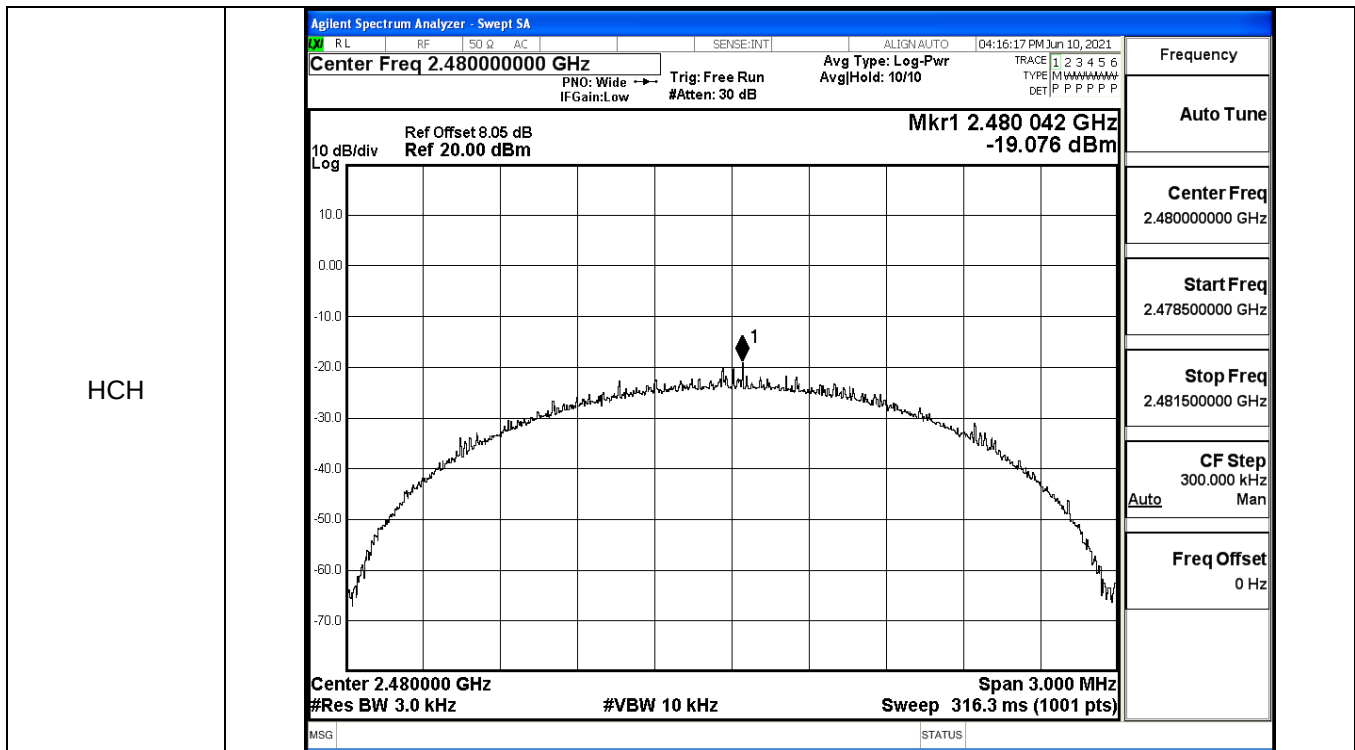
Test Graphs

LCH



MCH





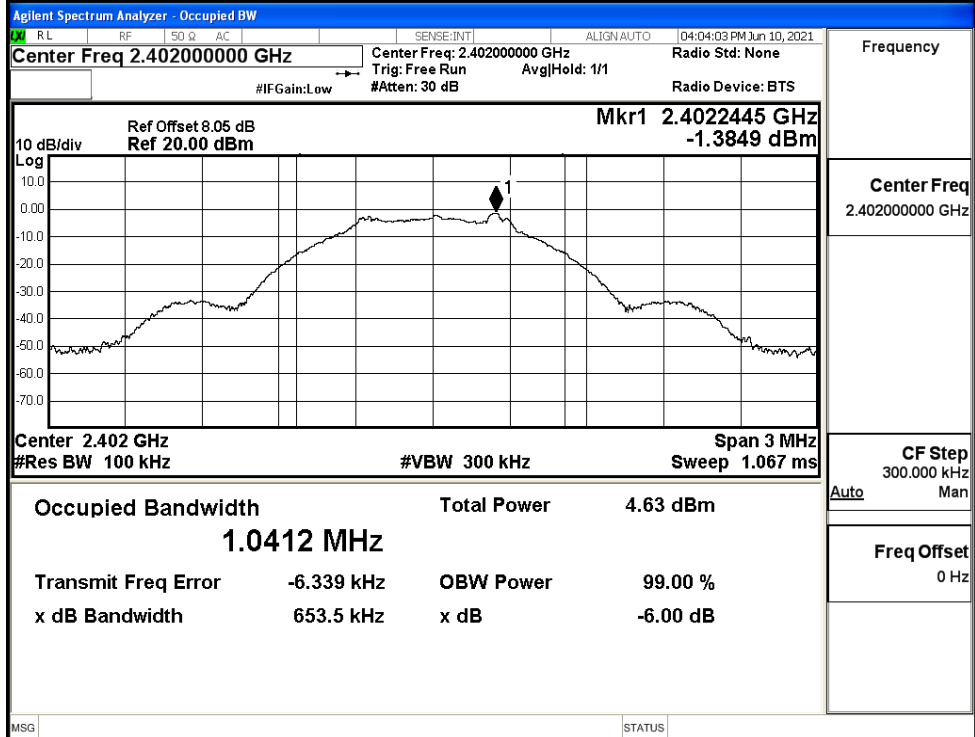
B.4 6dB Bandwidth

BT LE

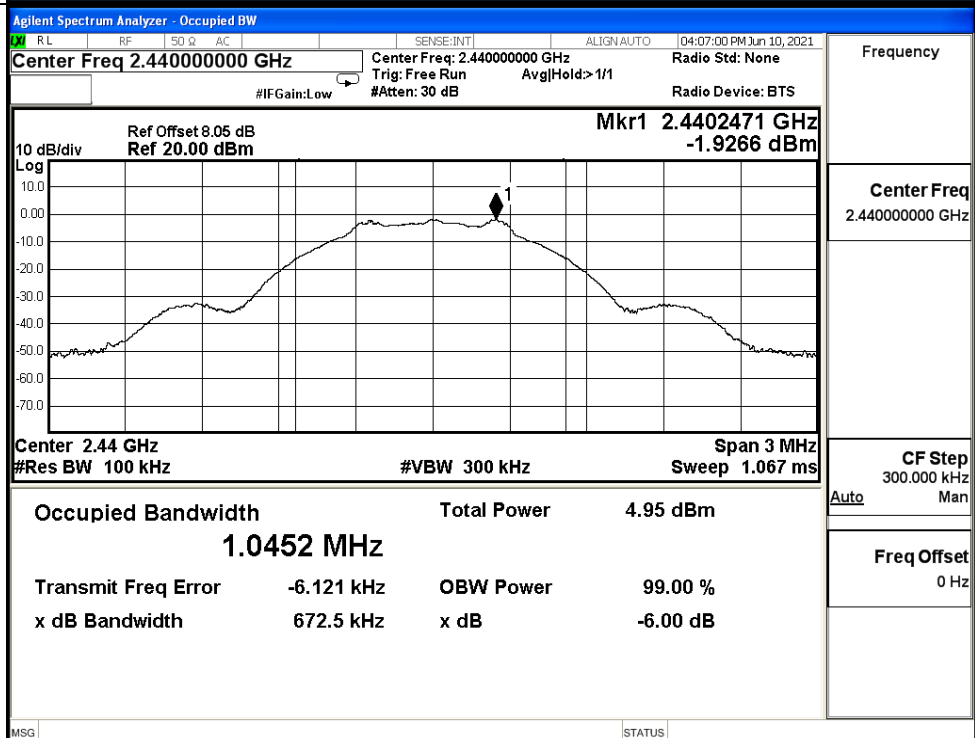
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6535	≥ 0.5	PASS
BT LE	MCH	0.6705	≥ 0.5	PASS
BT LE	HCH	0.6612	≥ 0.5	PASS

Test Graphs

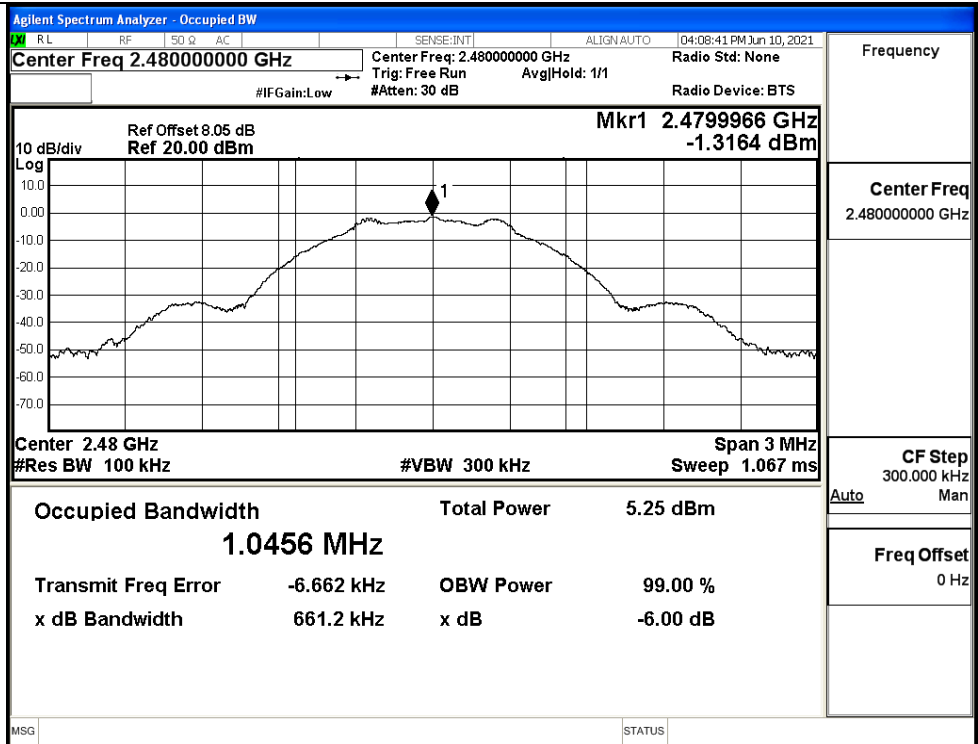
LCH



MCH



HCH

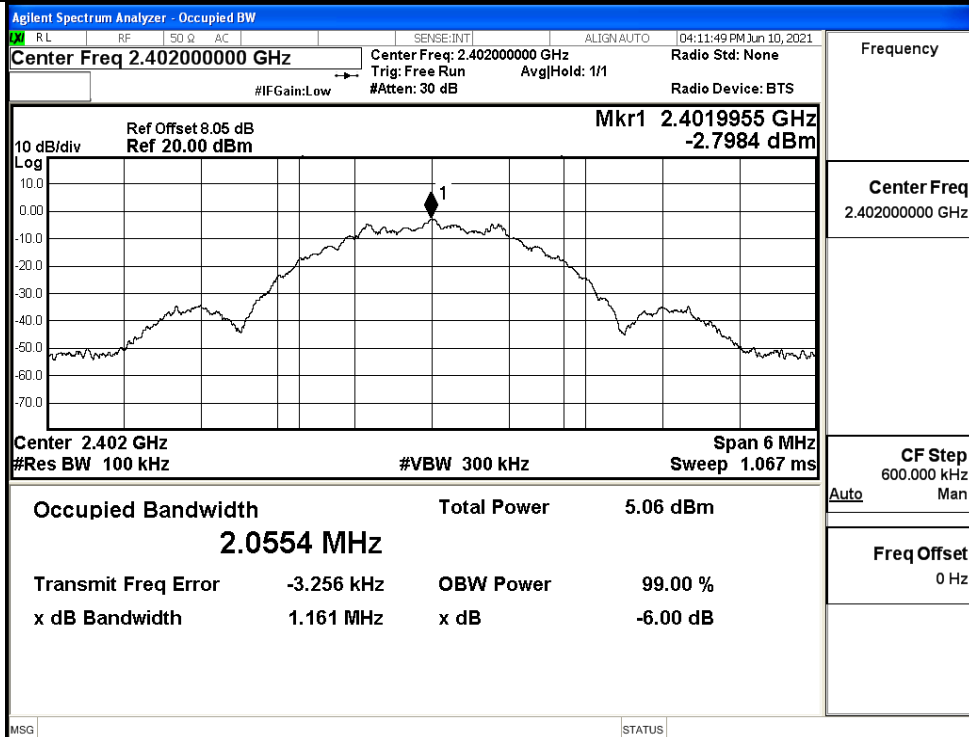


BT 2LE

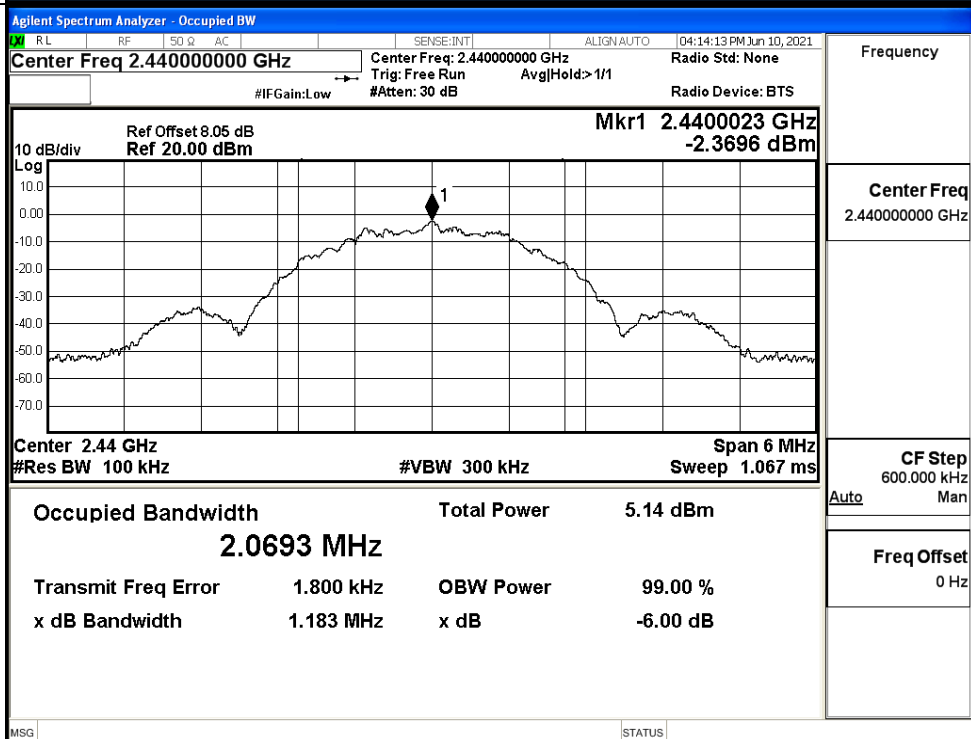
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.161	≥ 0.5	PASS
BT LE	MCH	1.183	≥ 0.5	PASS
BT LE	HCH	1.129	≥ 0.5	PASS

Test Graphs

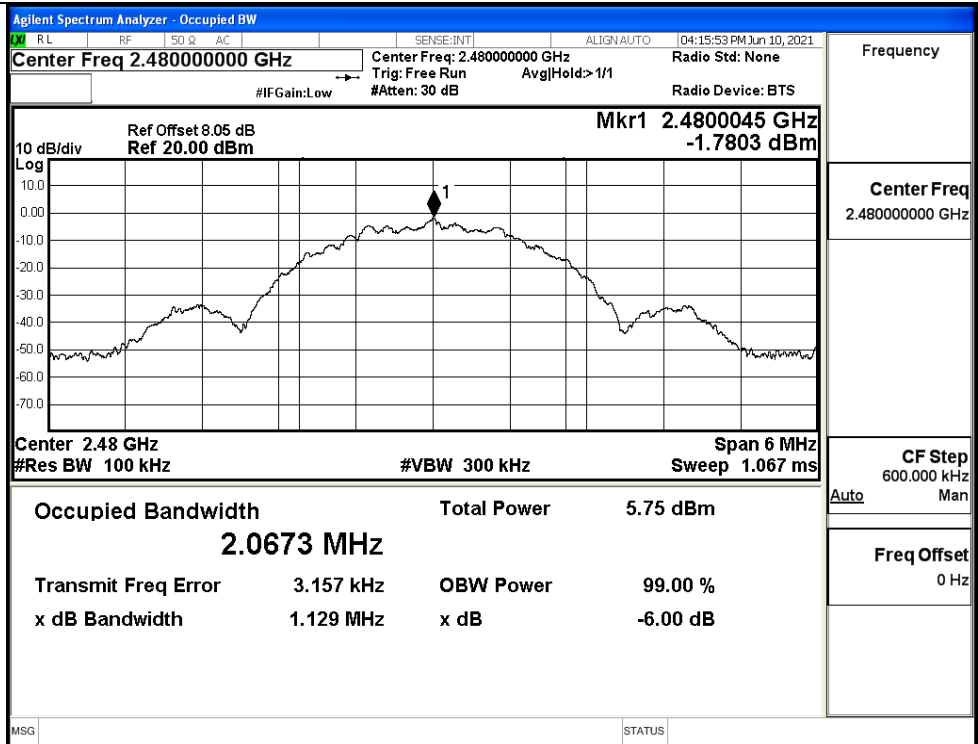
LCH



MCH



HCH



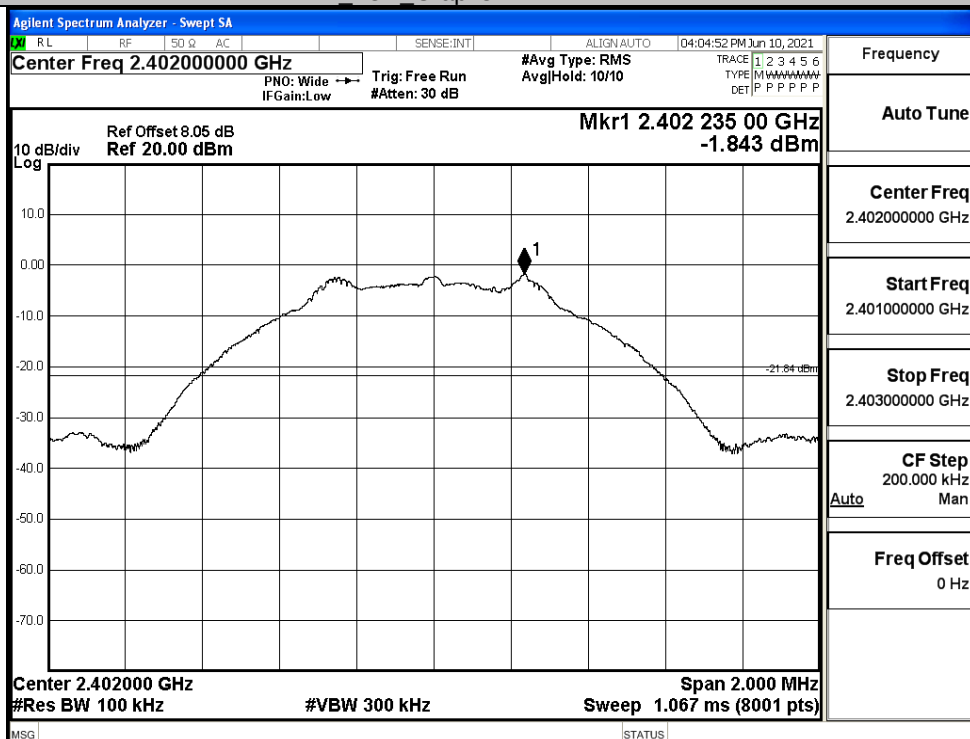
B.5 RF Conducted Spurious Emissions

BT LE

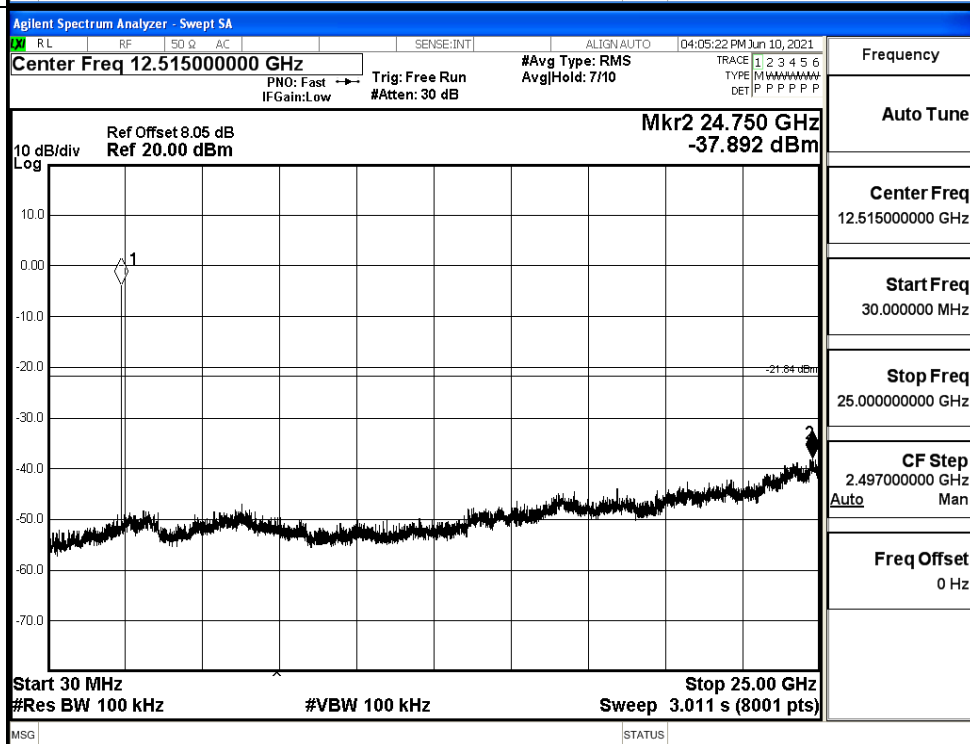
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.843	-37.892	-21.843	PASS
BT LE	MCH	-1.923	-37.331	-21.923	PASS
BT LE	HCH	-1.84	-36.983	-21.840	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

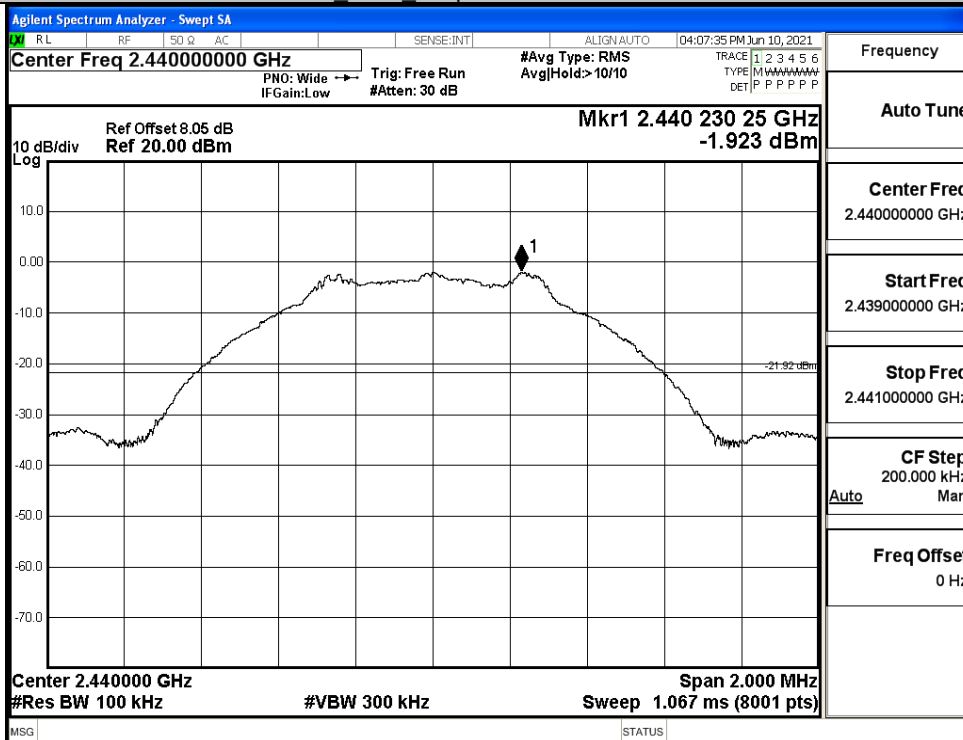


Puw/BT LE/LCH



BT LE MCH Graphs

Pref/BT LE/MCH

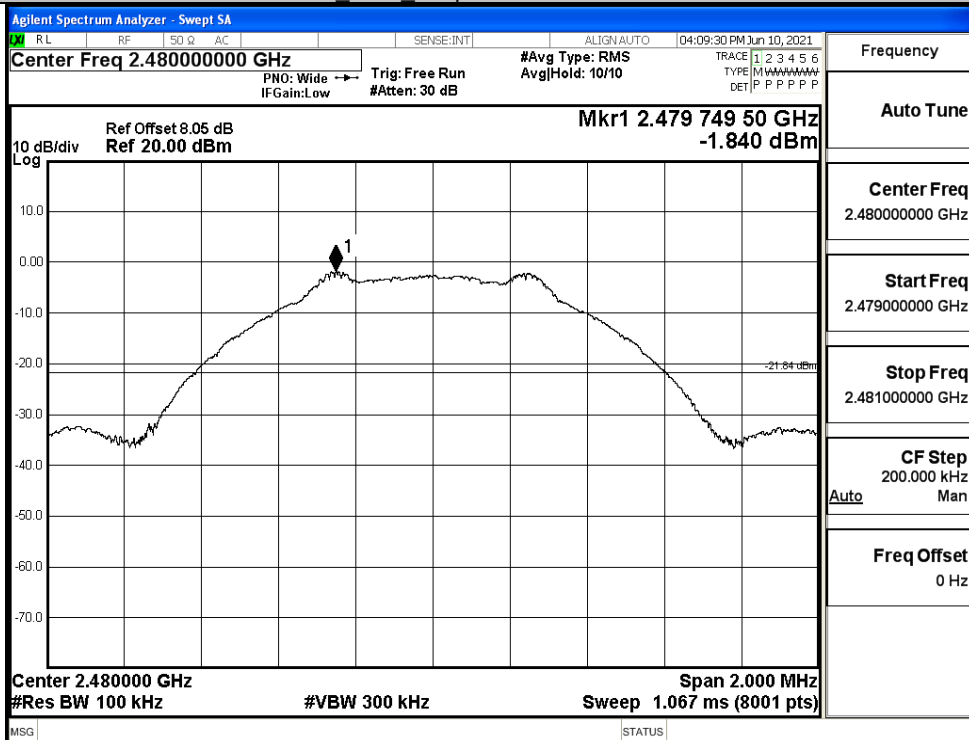


Puw/BT LE/MCH

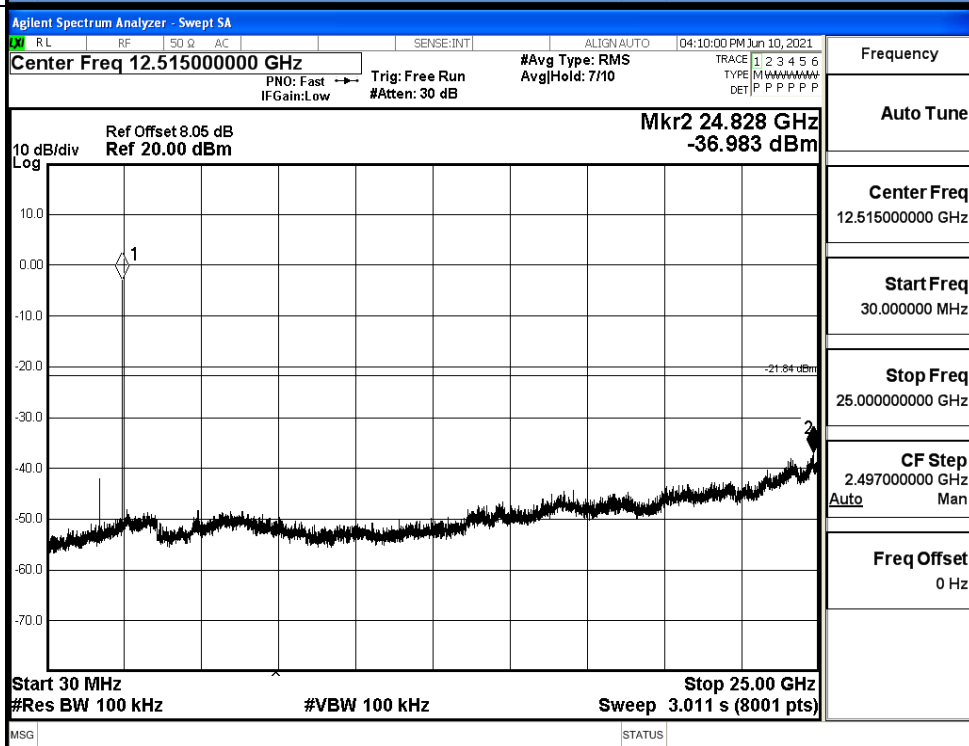


BT LE HCH Graphs

Pref/BT LE/HCH



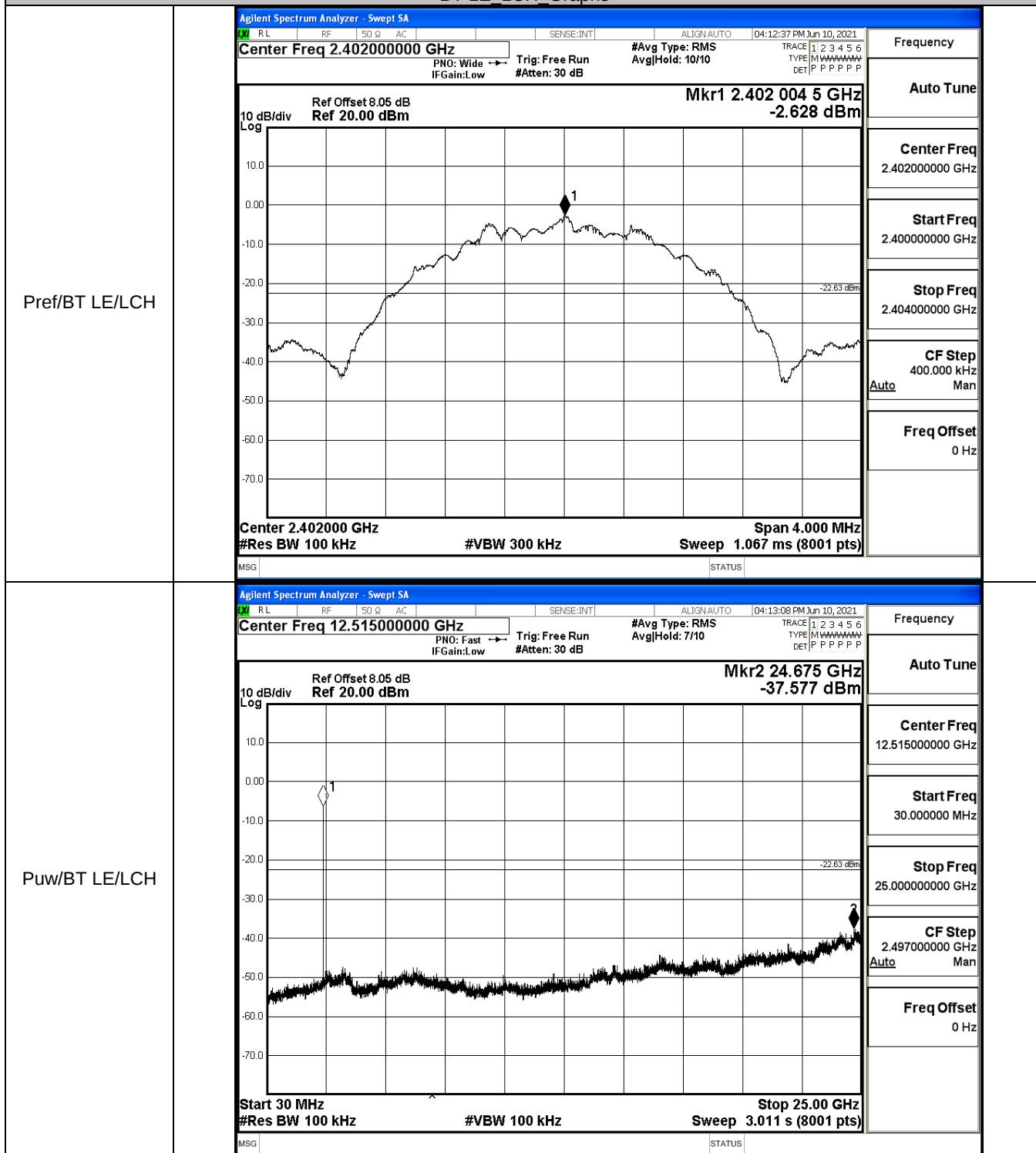
Puw/BT LE/HCH



BT 2LE

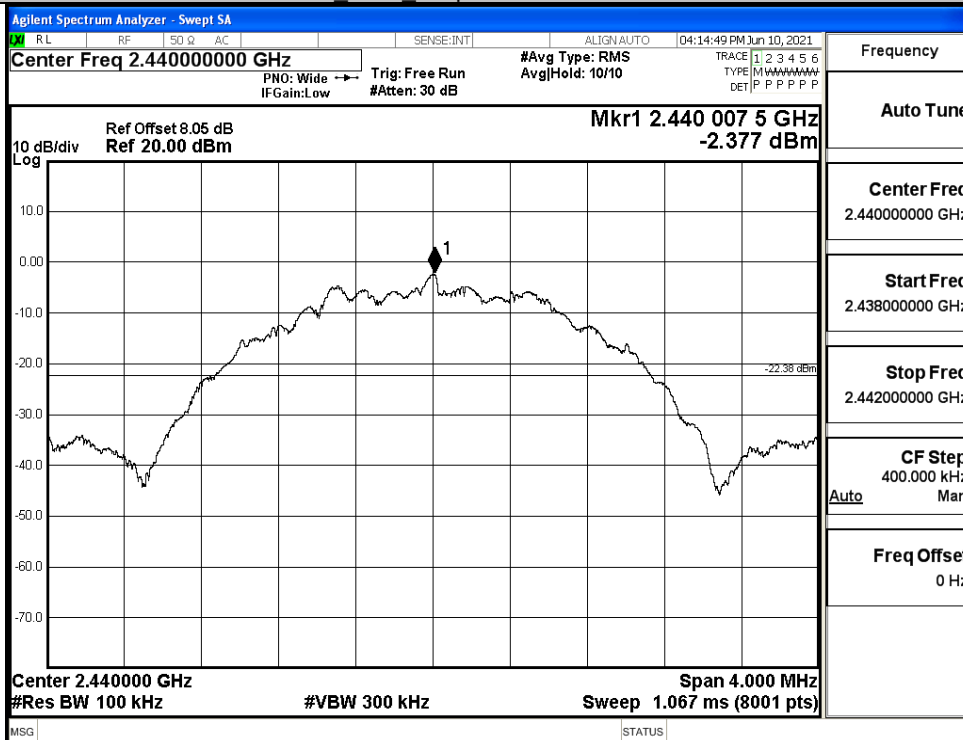
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.628	-37.577	-22.628	PASS
BT LE	MCH	-2.377	-37.451	-22.377	PASS
BT LE	HCH	-1.834	-37.779	-21.834	PASS

BT LE LCH Graphs



BT LE MCH Graphs

Pref/BT LE/MCH

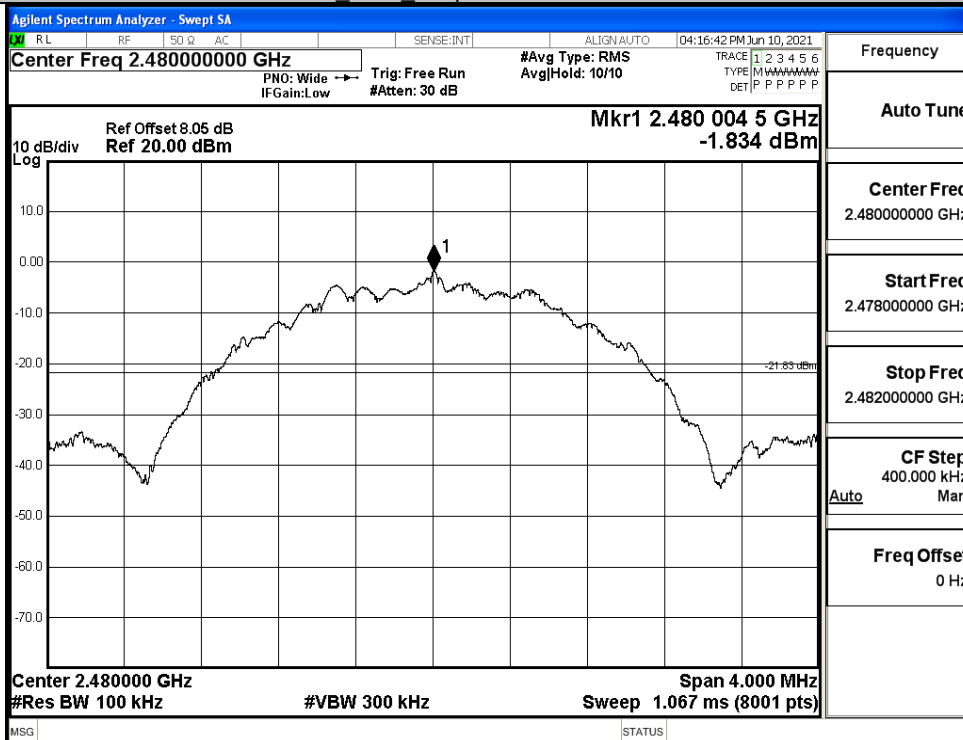


Puw/BT LE/MCH



BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

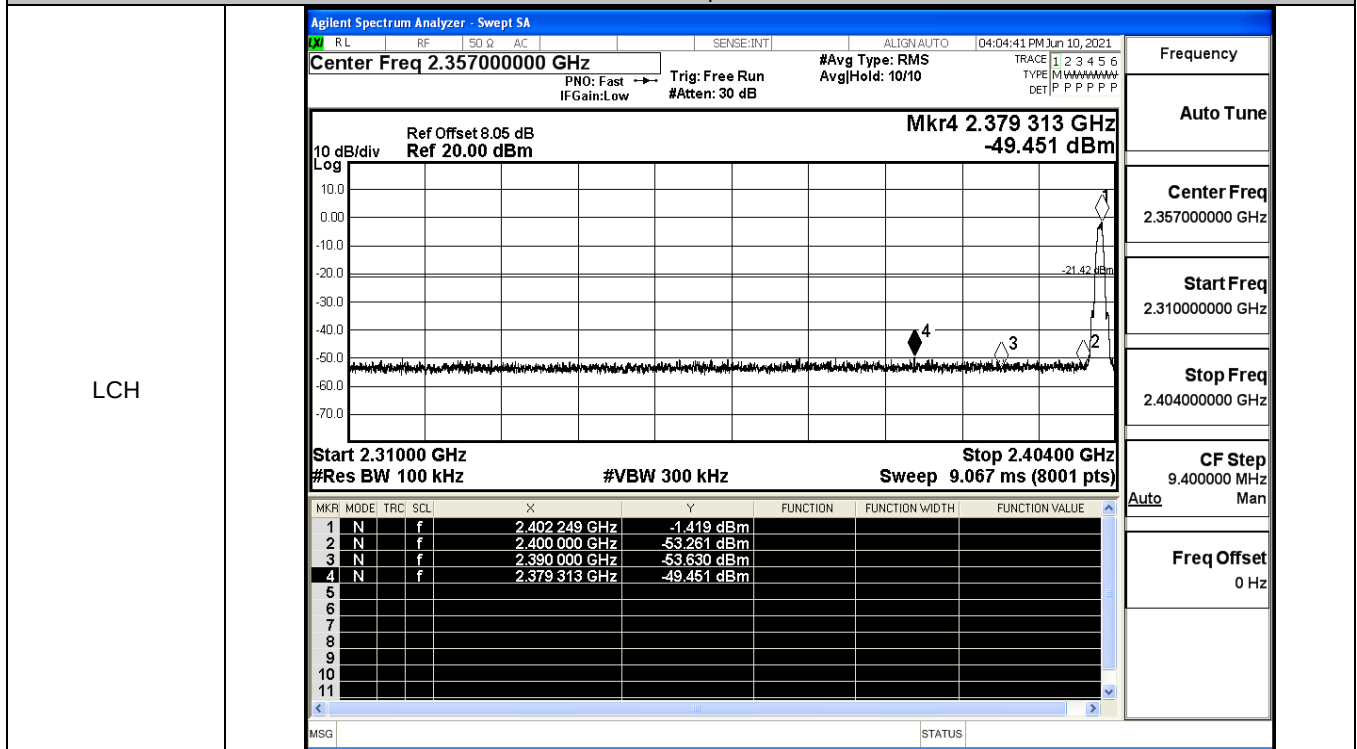


B.6 Band-edge for RF Conducted Emissions

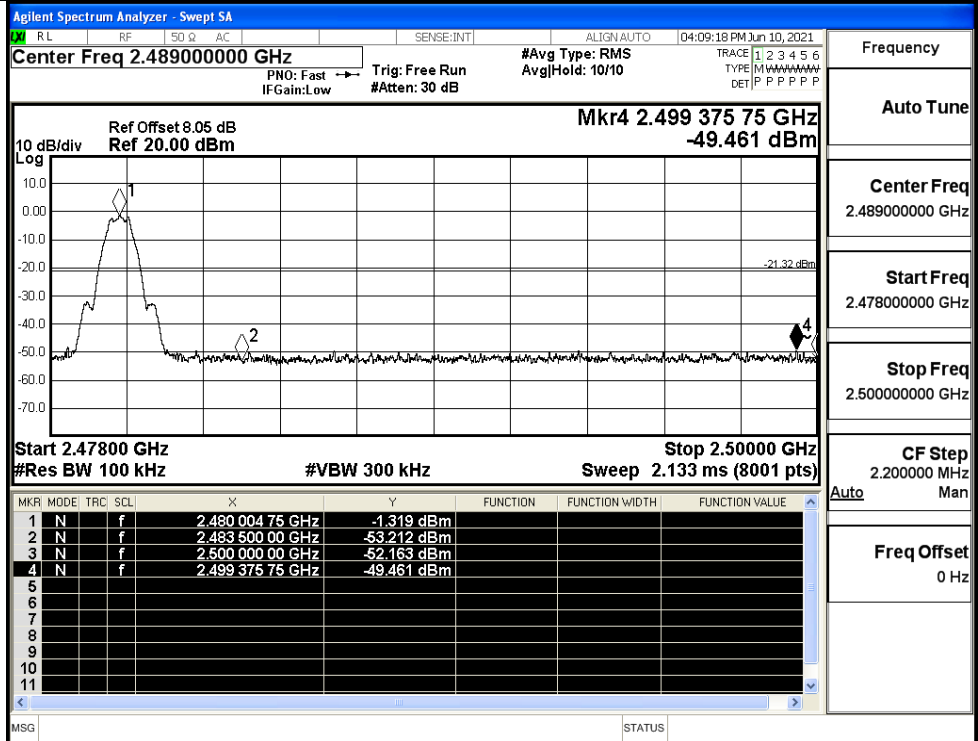
BT LE

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.419	-49.451	-21.42	PASS
BT LE	HCH	-1.319	-49.461	-21.32	PASS

Test Graphs



HCH

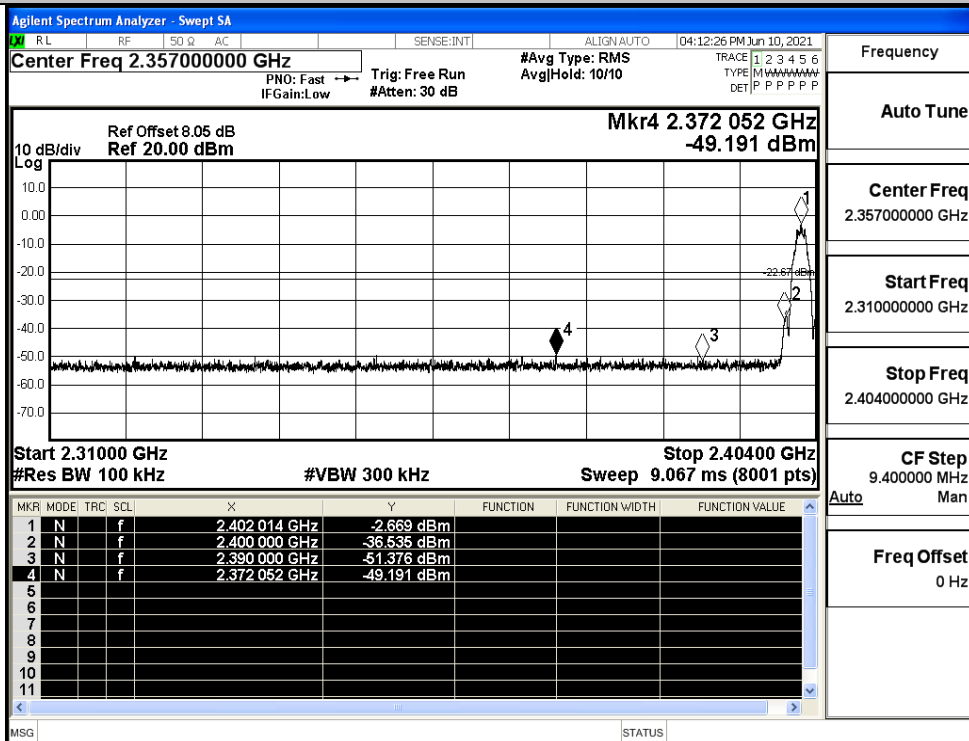


BT 2LE

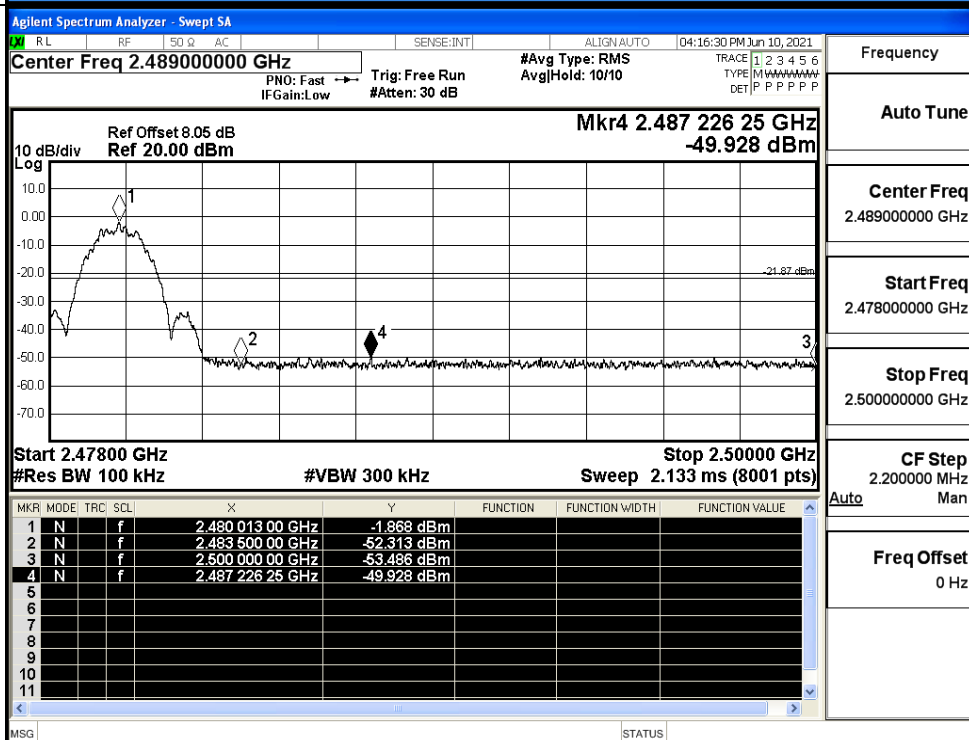
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.669	-49.191	-22.67	PASS
BT LE	HCH	-1.868	-49.928	-21.87	PASS

Test Graphs

LCH



HCH

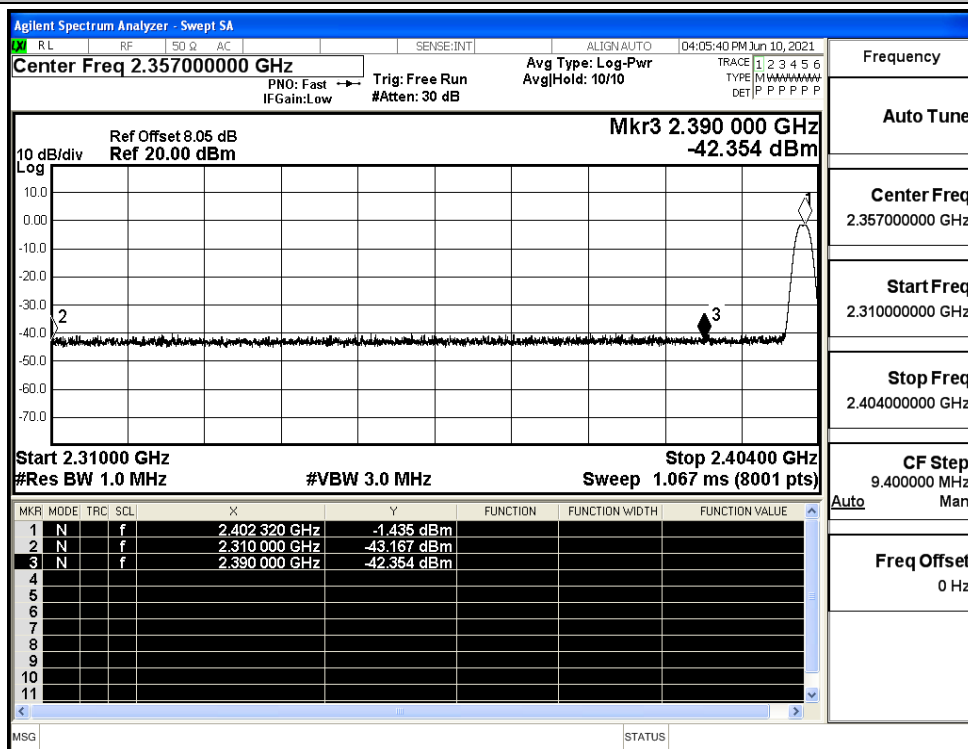


B.7 Restrict-band band-edge measurements

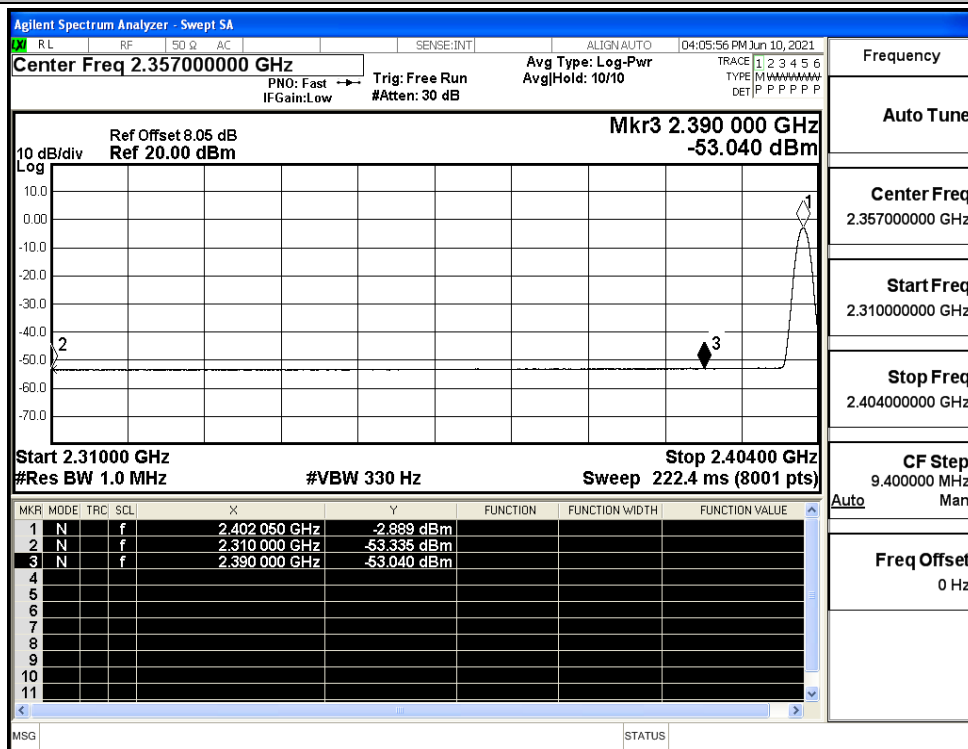
BT LE

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	-43.17	2.0	0	54.09	PEAK	74	PASS
		Ant1	2310.0	-53.34	2.0	0	43.92	AV	54	PASS
		Ant1	2390.0	-42.35	2.0	0	54.91	PEAK	74	PASS
		Ant1	2390.0	-53.04	2.0	0	44.22	AV	54	PASS
	2480	Ant1	2483.5	-42.25	2.0	0	55.01	PEAK	74	PASS
		Ant1	2483.5	-52.57	2.0	0	44.69	AV	54	PASS
		Ant1	2500.0	-41.93	2.0	0	55.33	PEAK	74	PASS
		Ant1	2500.0	-52.36	2.0	0	44.90	AV	54	PASS

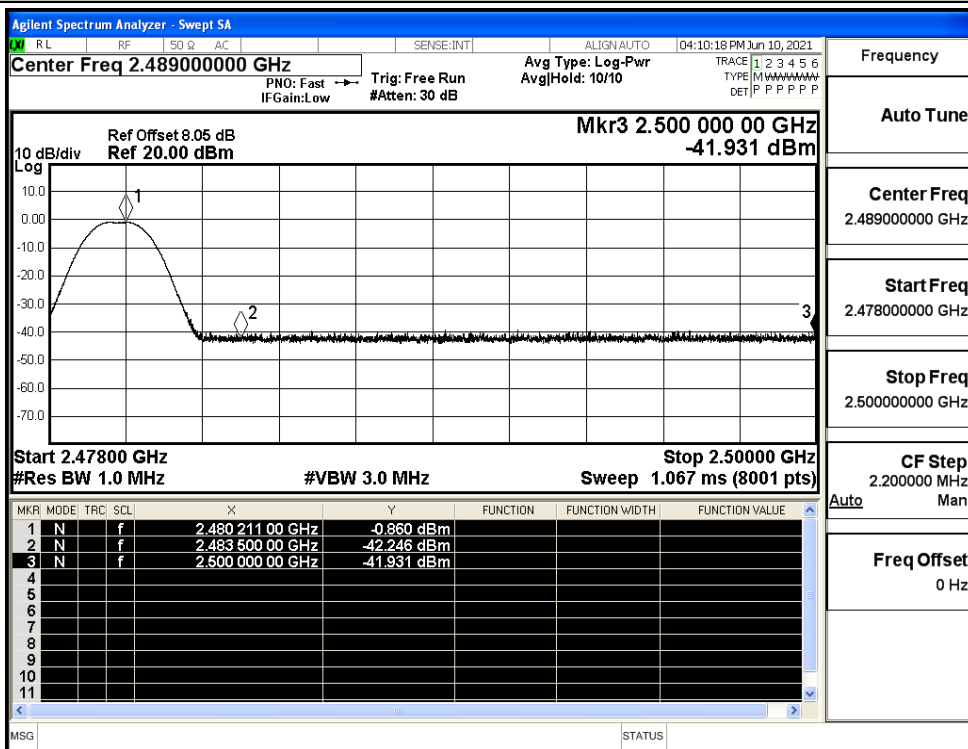
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



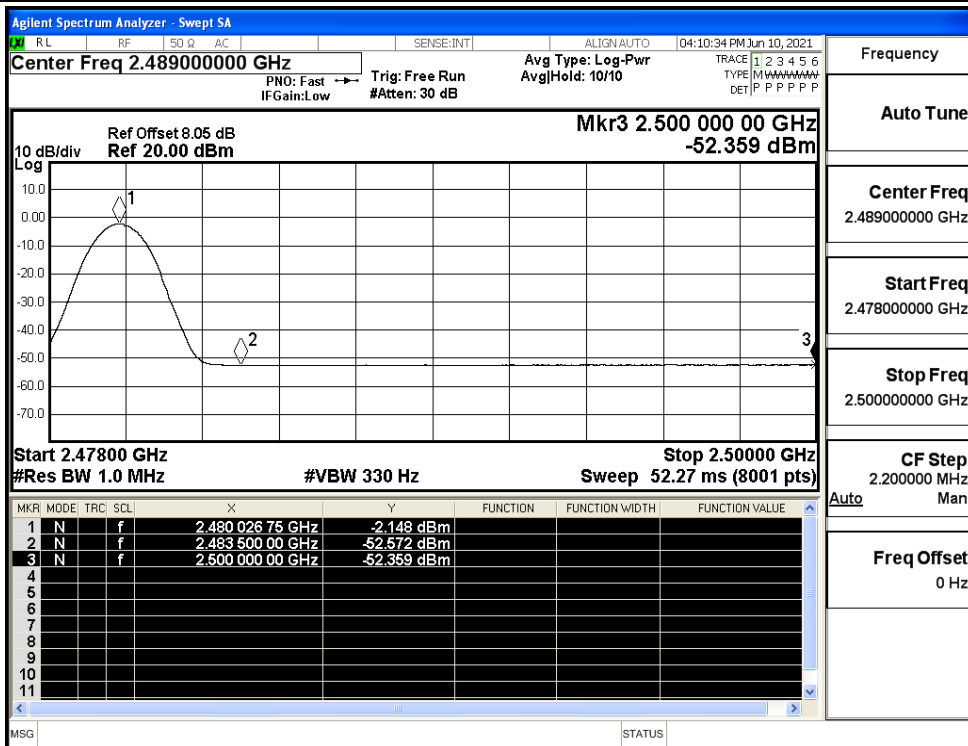
Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



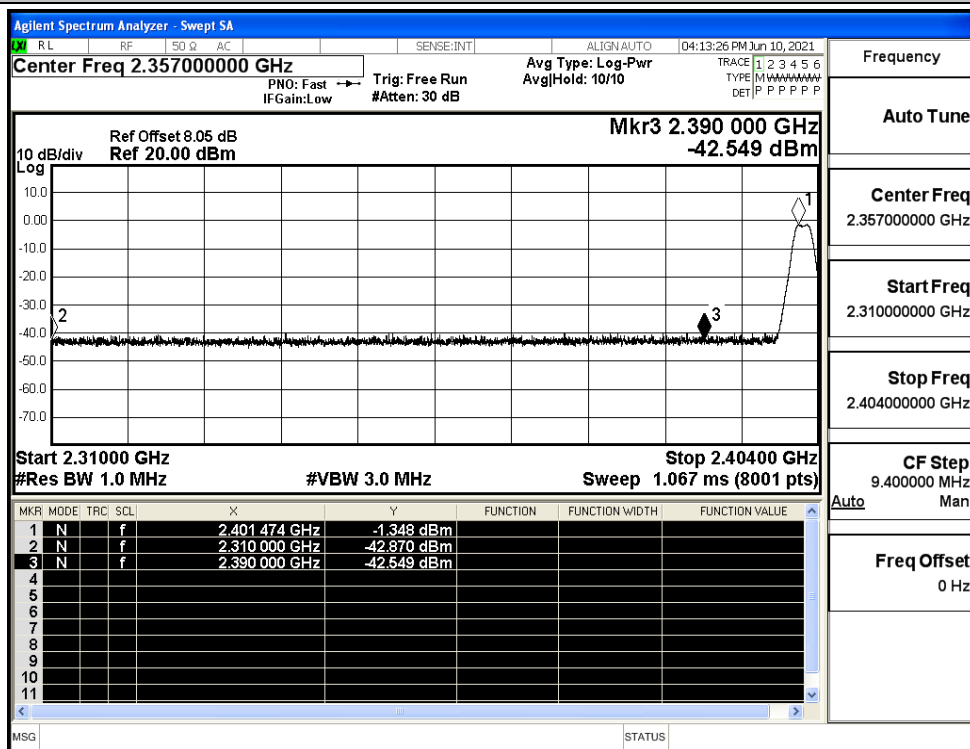
Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



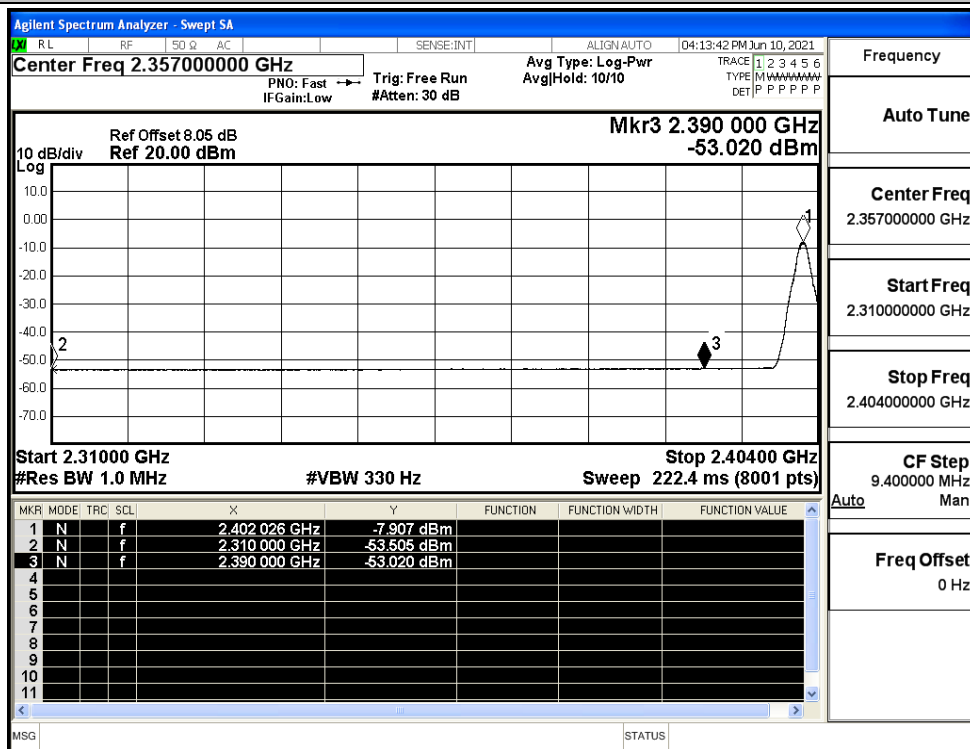
BT 2LE

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-42.87	2.0	0	54.39	PEAK	74	PASS
		Ant1	2310.0	-53.51	2.0	0	43.75	AV	54	PASS
		Ant1	2390.0	-42.55	2.0	0	54.71	PEAK	74	PASS
		Ant1	2390.0	-53.02	2.0	0	44.24	AV	54	PASS
	2480	Ant1	2483.5	-41.20	2.0	0	56.06	PEAK	74	PASS
		Ant1	2483.5	-52.10	2.0	0	45.16	AV	54	PASS
		Ant1	2500.0	-41.07	2.0	0	56.19	PEAK	74	PASS
		Ant1	2500.0	-52.37	2.0	0	44.89	AV	54	PASS

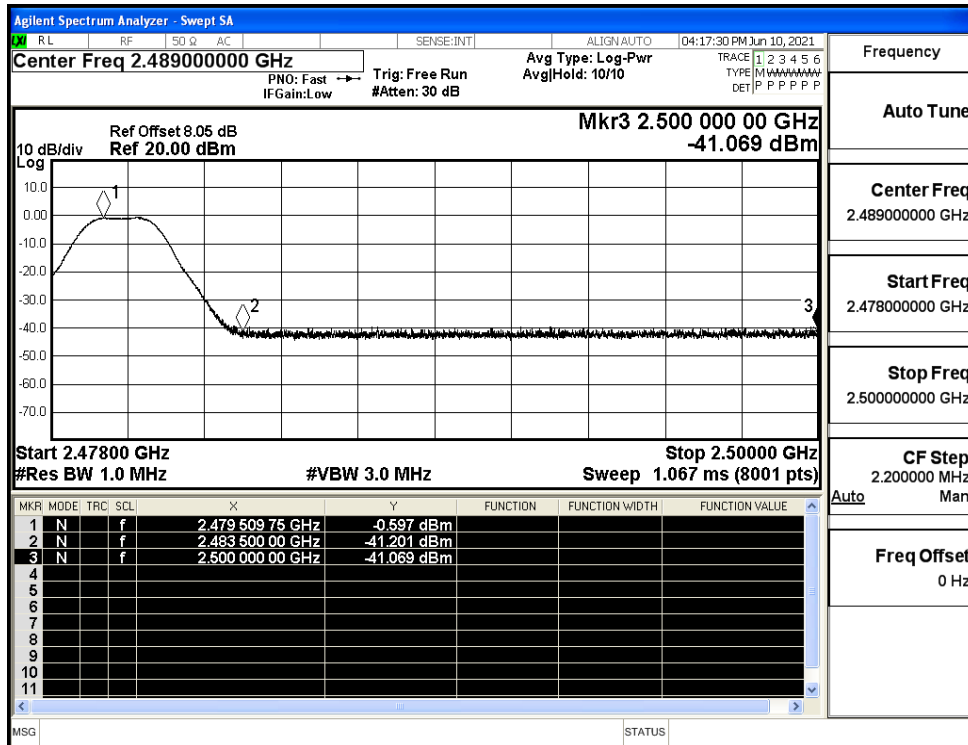
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

