

Appendix B

RF Test Data for BT V4.2 (Conducted Measurement)

Product Name: 3G/4G Smart Phone

Trade Mark: DOOGEE

Test Model: S88Plus

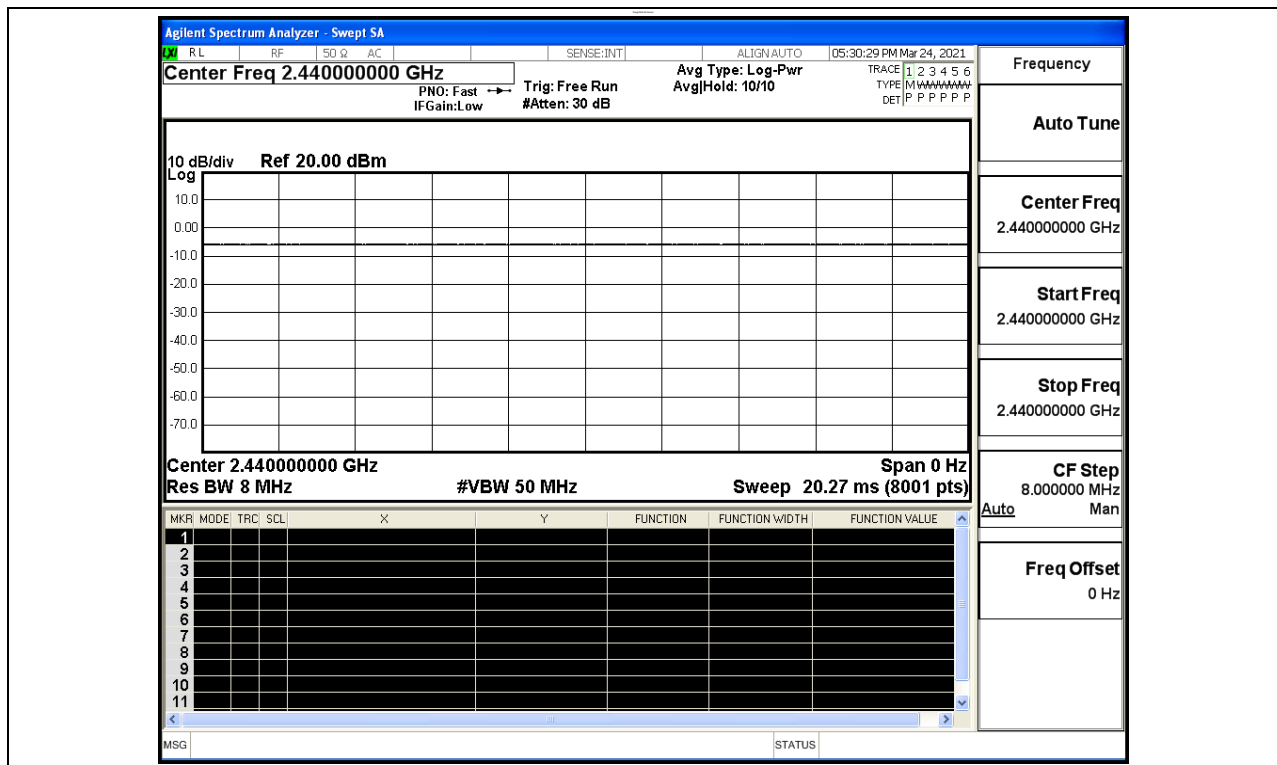
Environmental Conditions

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

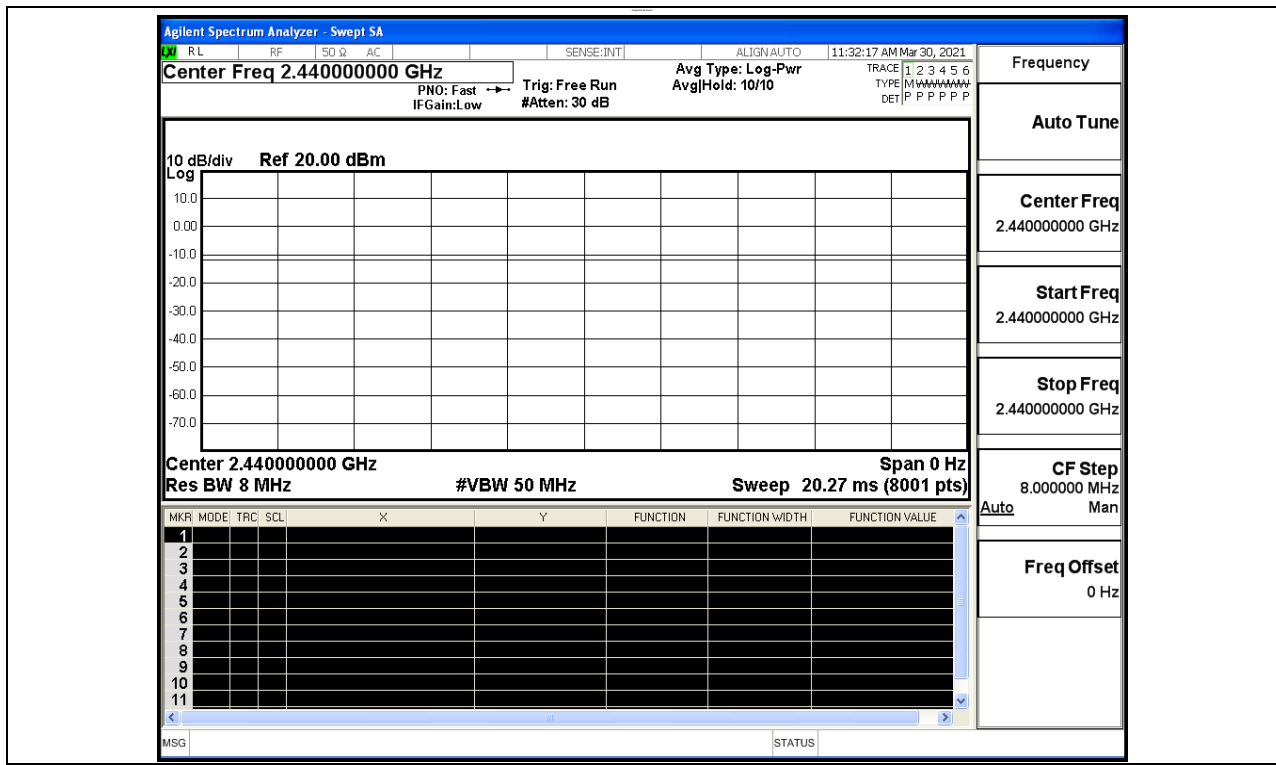
BT LE

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



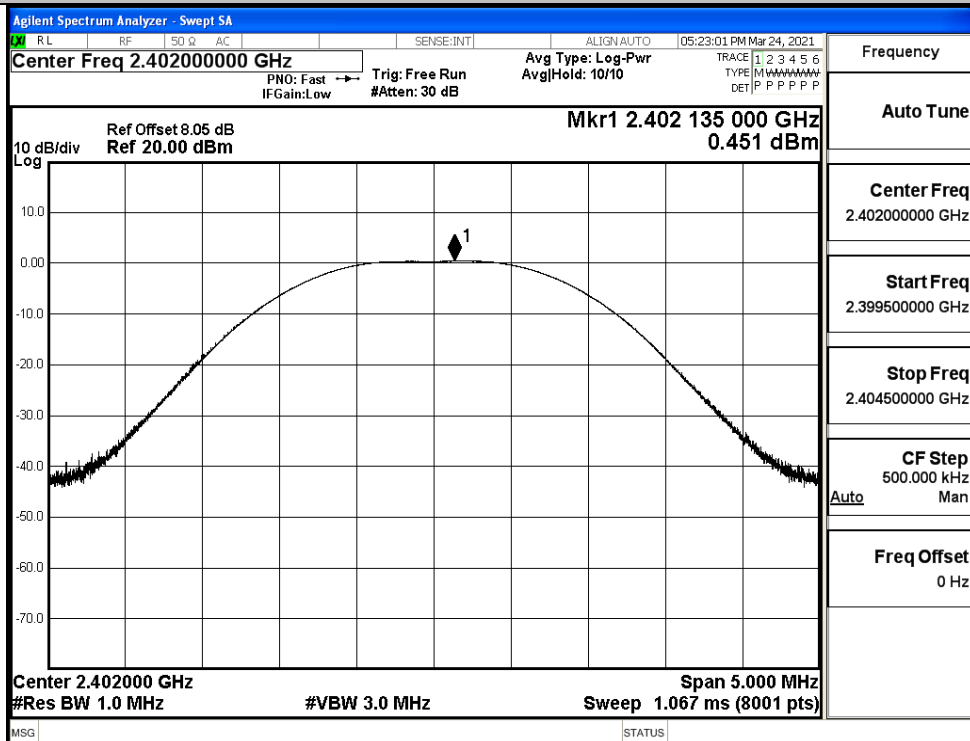
B.2 Maximum Conducted Peak Output Power

BT LE

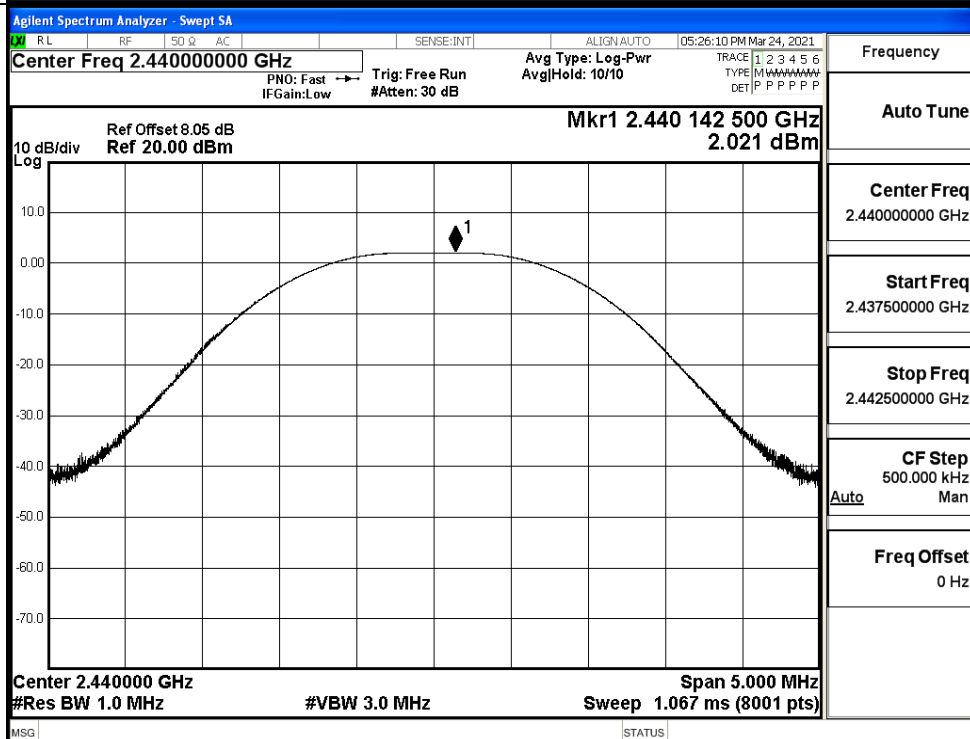
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.451	30	PASS
BT LE	MCH	2.021	30	PASS
BT LE	HCH	0.495	30	PASS

Test Graphs

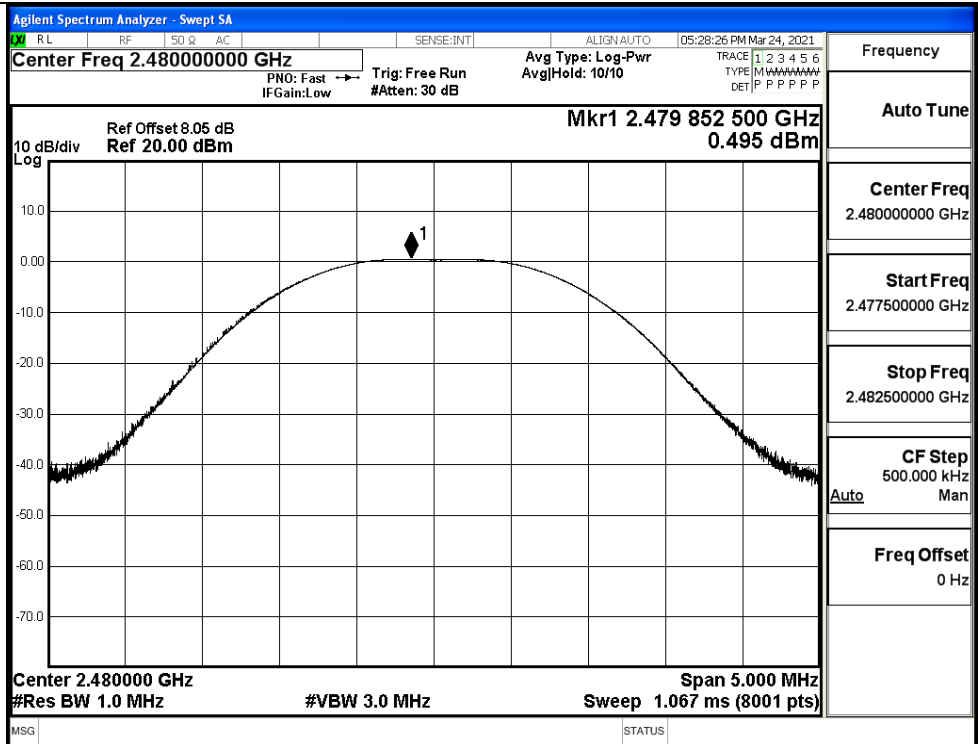
LCH



MCH



HCH

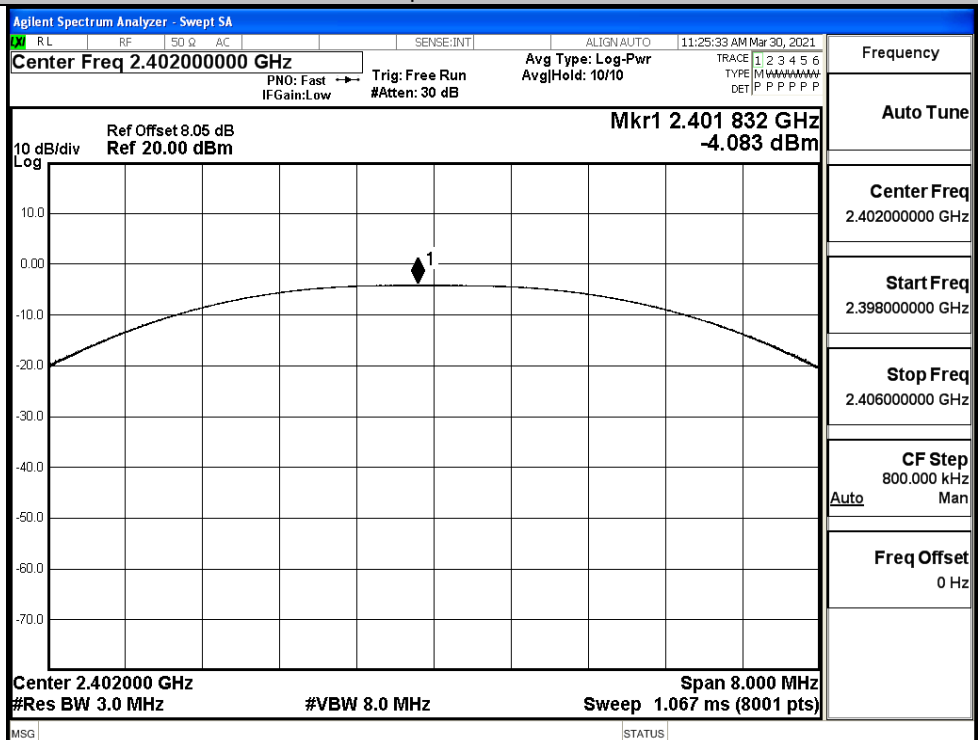


BT 2LE

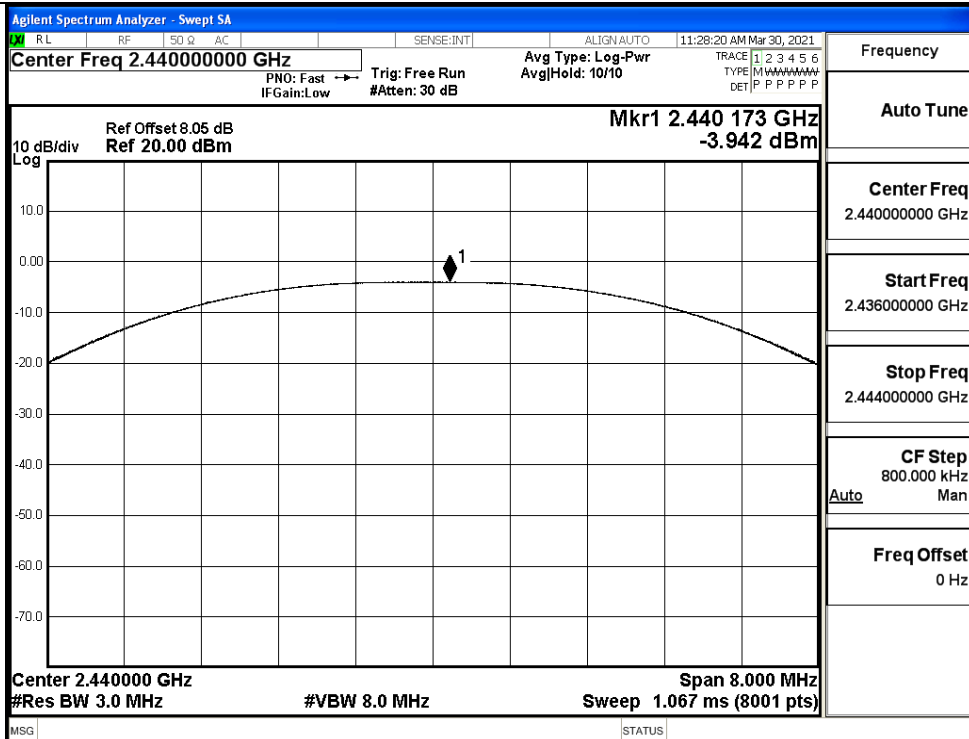
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-4.083	30	PASS
BT 2LE	MCH	-3.942	30	PASS
BT 2LE	HCH	-4.357	30	PASS

Test Graphs

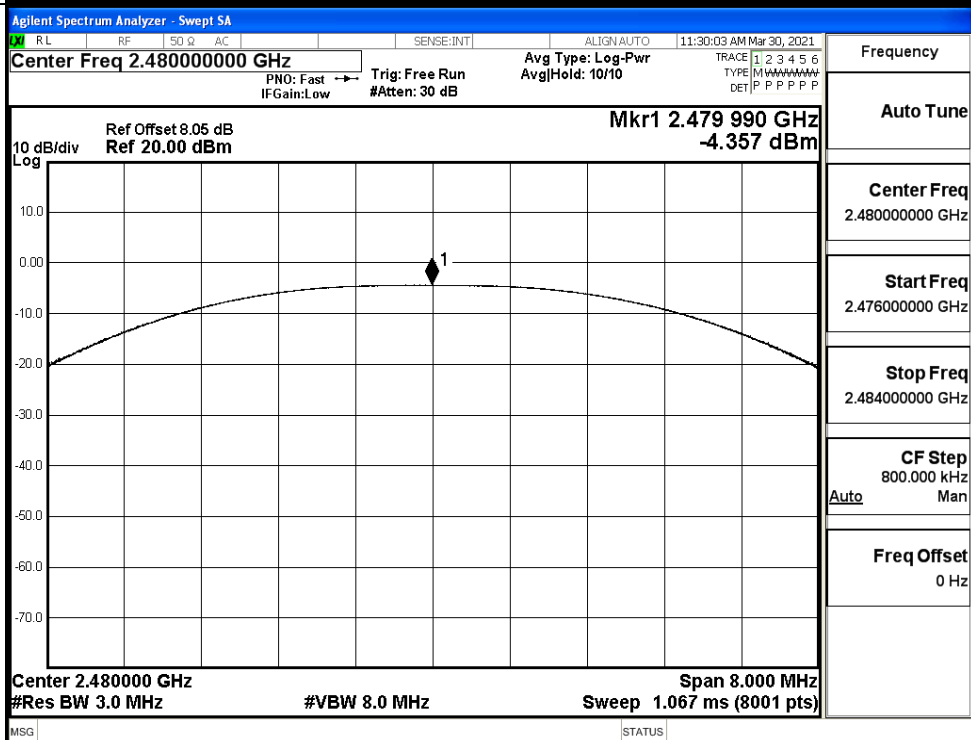
LCH



MCH



HCH



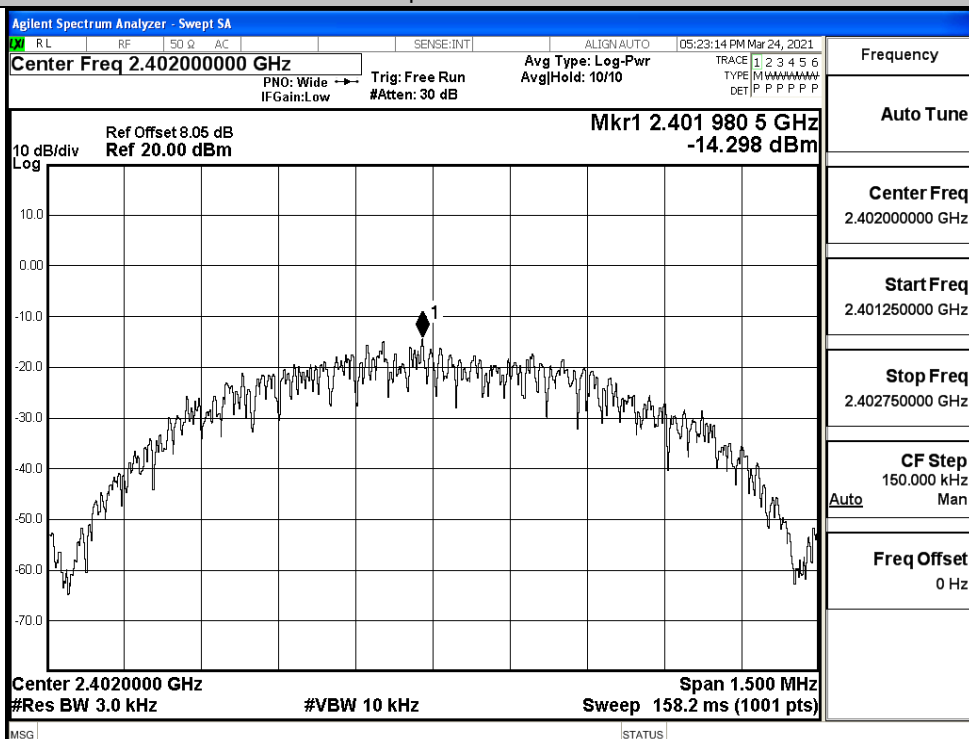
B.3 Maximum Power Spectral Density

BT LE

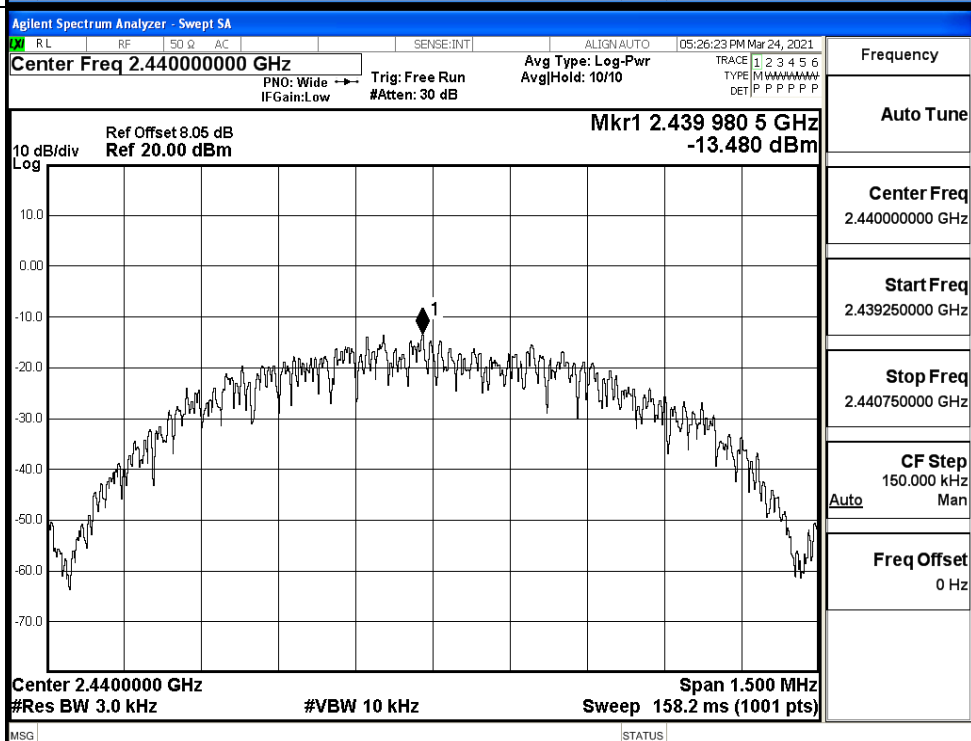
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.298	8	PASS
BT LE	MCH	-13.480	8	PASS
BT LE	HCH	-14.239	8	PASS

Test Graphs

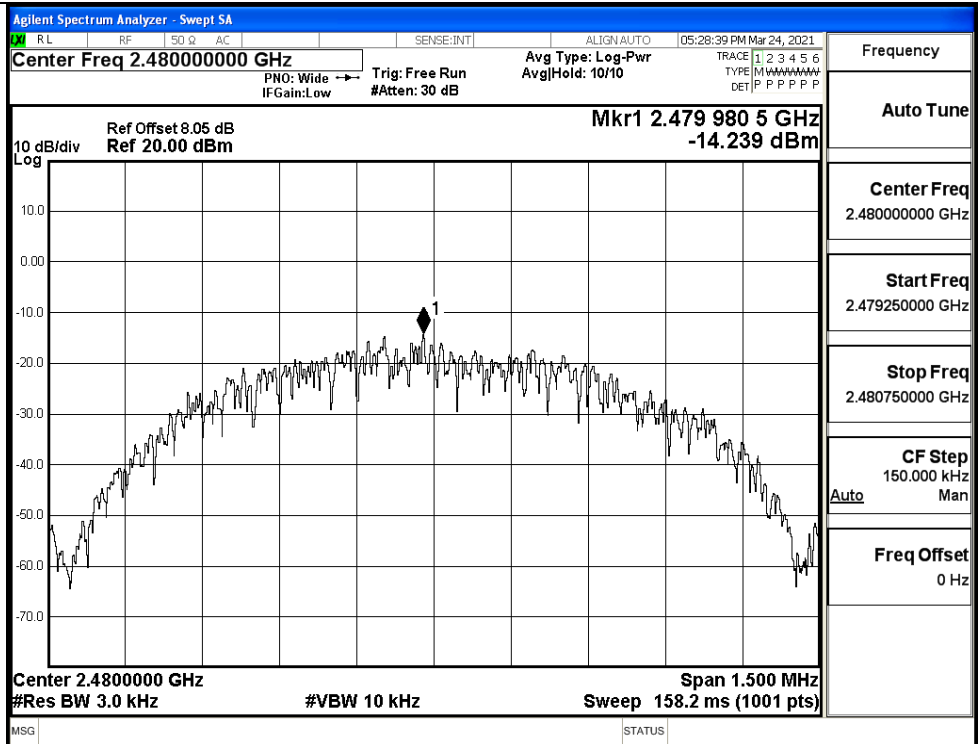
LCH



MCH



HCH

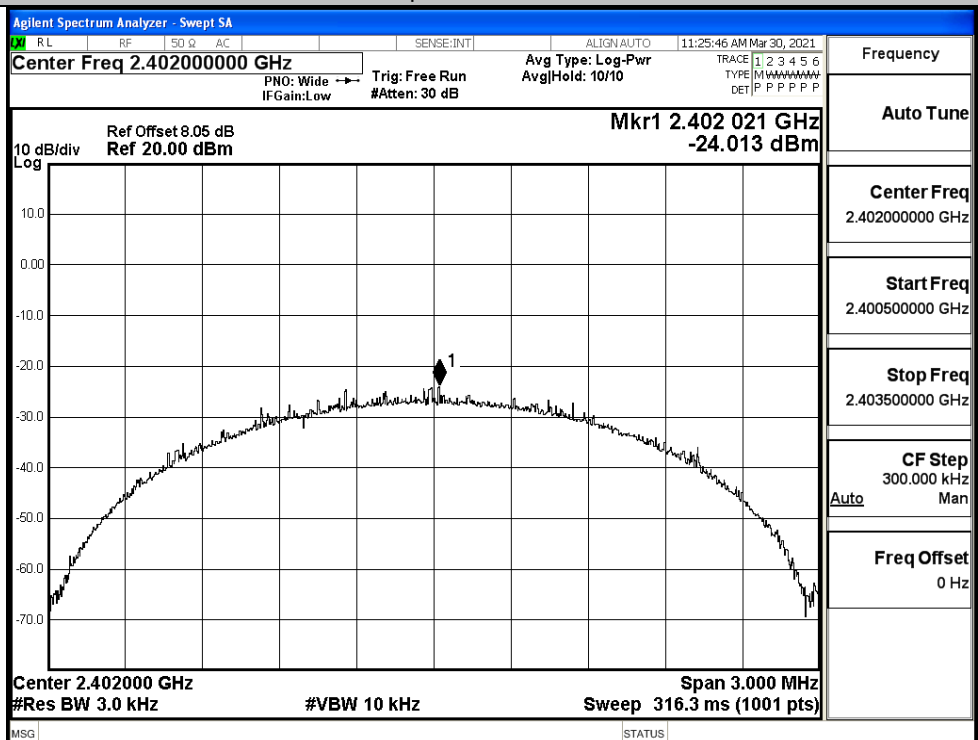


BT 2LE

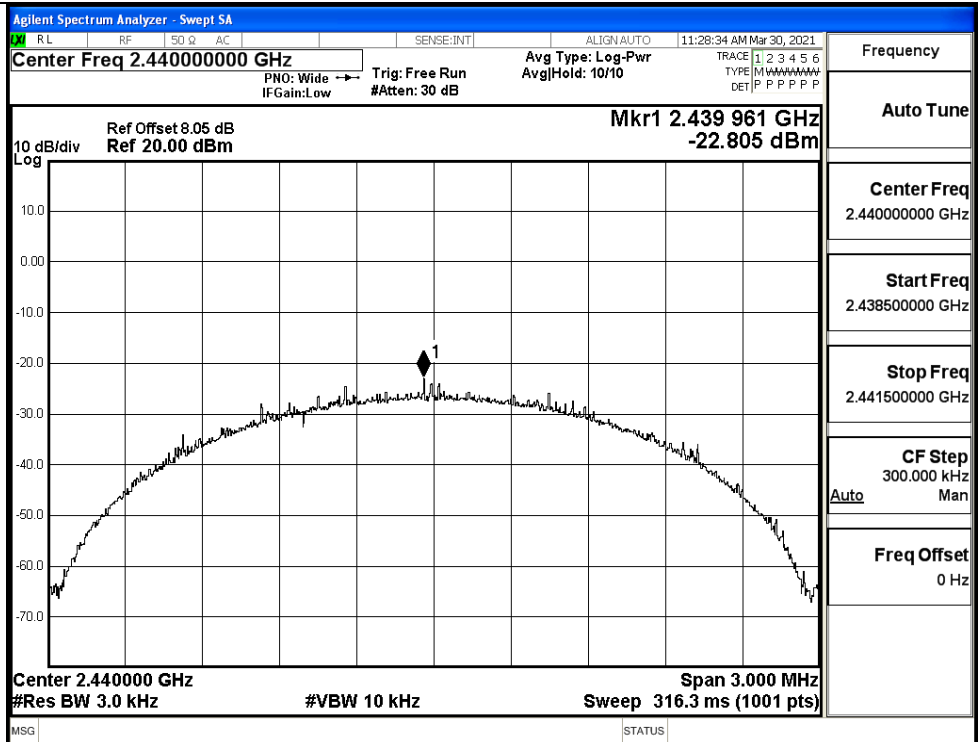
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT 2LE	LCH	-24.013	8	PASS
BT 2LE	MCH	-22.805	8	PASS
BT 2LE	HCH	-24.289	8	PASS

Test Graphs

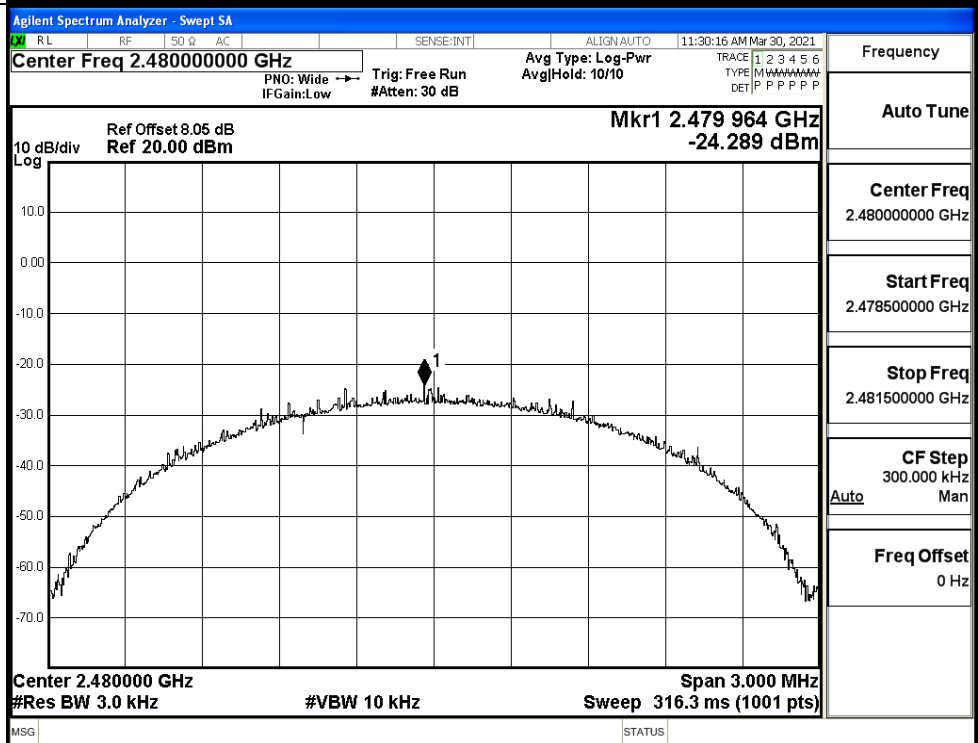
LCH



MCH



HCH



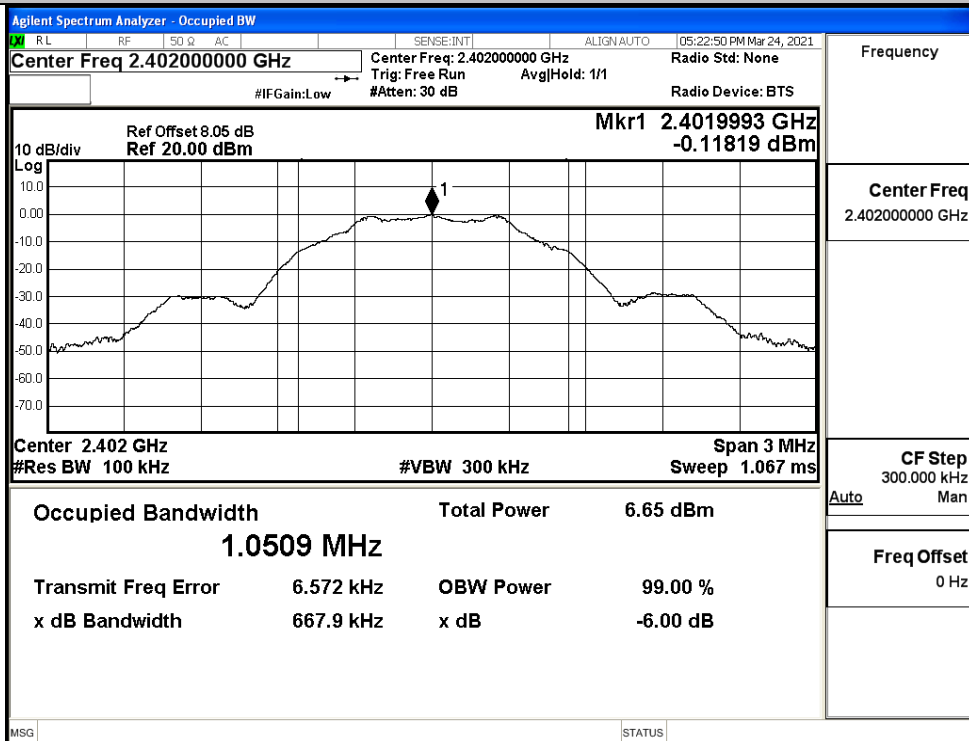
B.4 6dB Bandwidth

BT LE

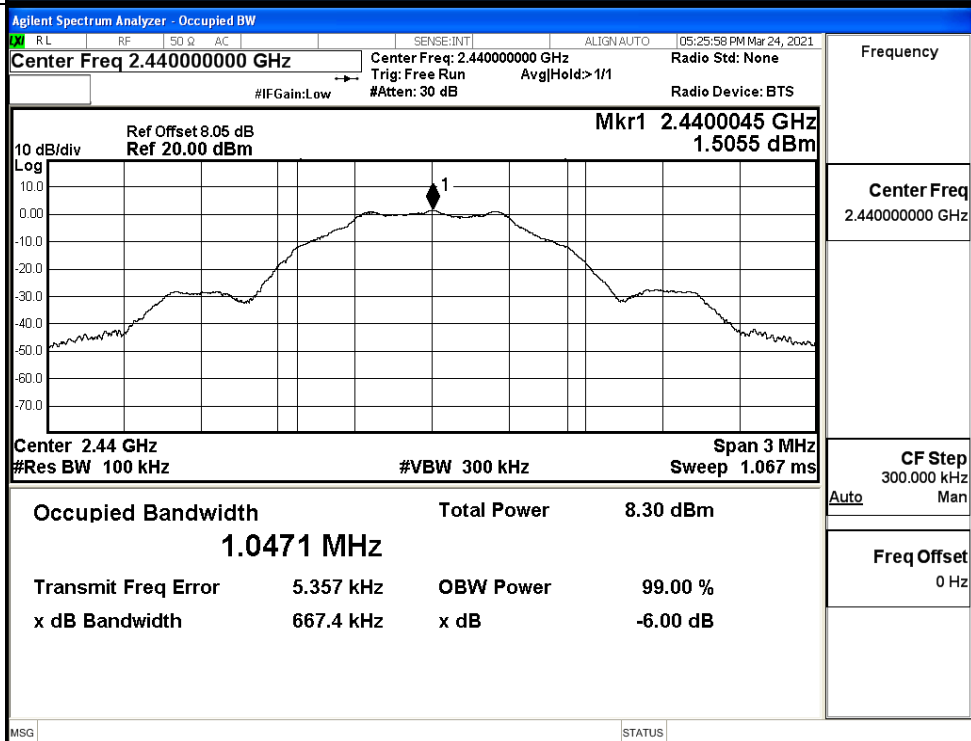
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6679	≥ 0.5	PASS
BT LE	MCH	0.6674	≥ 0.5	PASS
BT LE	HCH	0.6714	≥ 0.5	PASS

Test Graphs

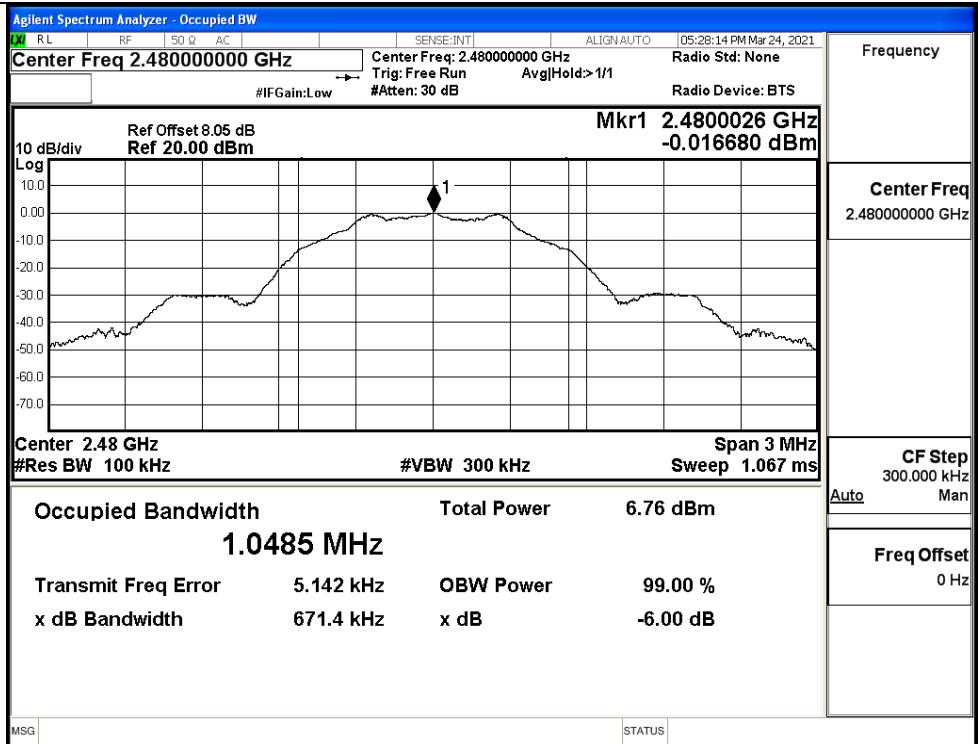
LCH



MCH



HCH

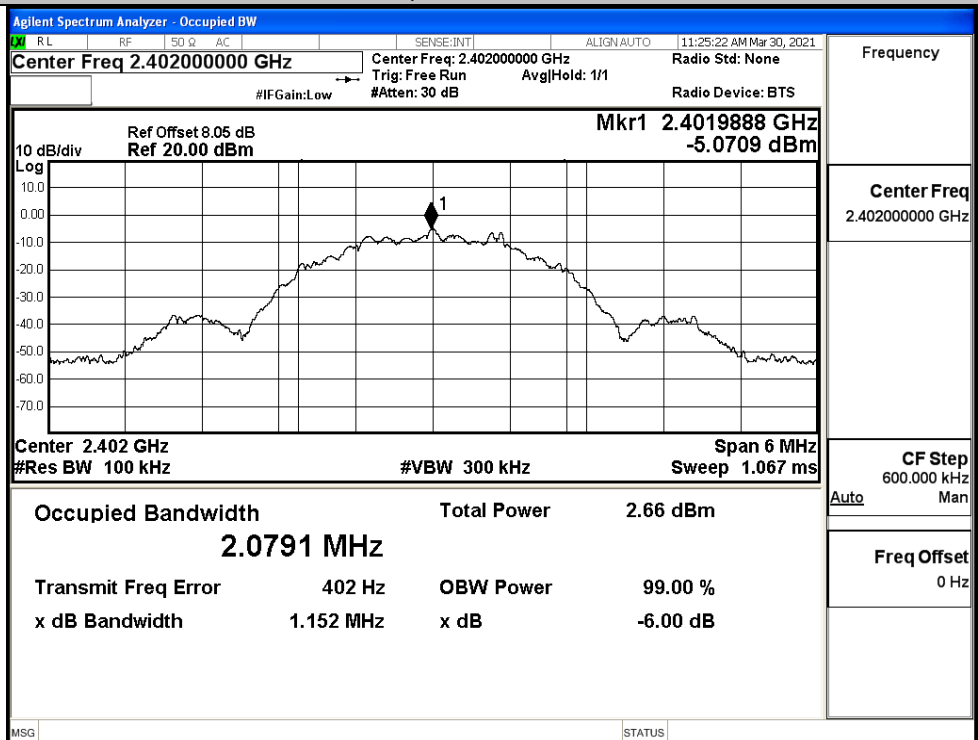


BT 2LE

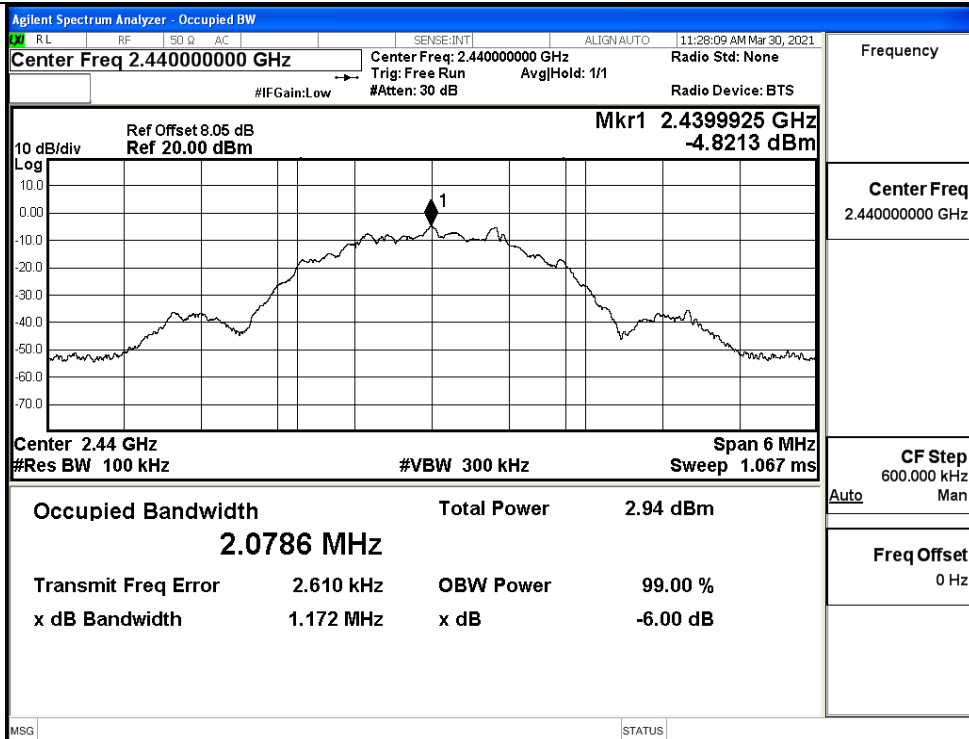
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT 2LE	LCH	1.152	≥ 0.5	PASS
BT 2LE	MCH	1.172	≥ 0.5	PASS
BT 2LE	HCH	1.189	≥ 0.5	PASS

Test Graphs

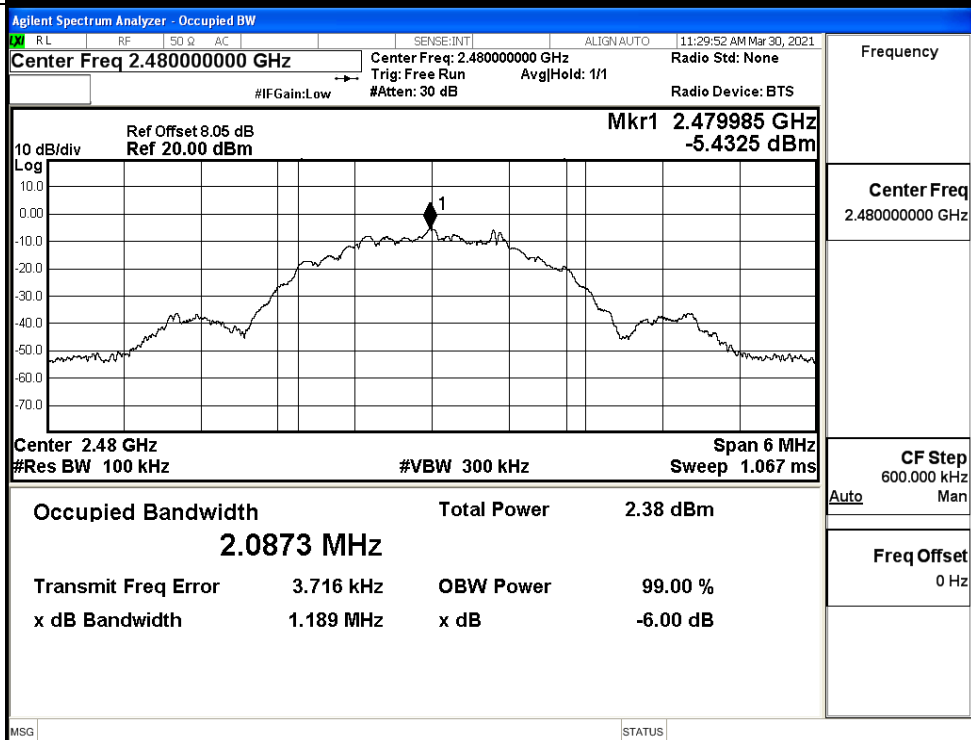
LCH



MCH



HCH

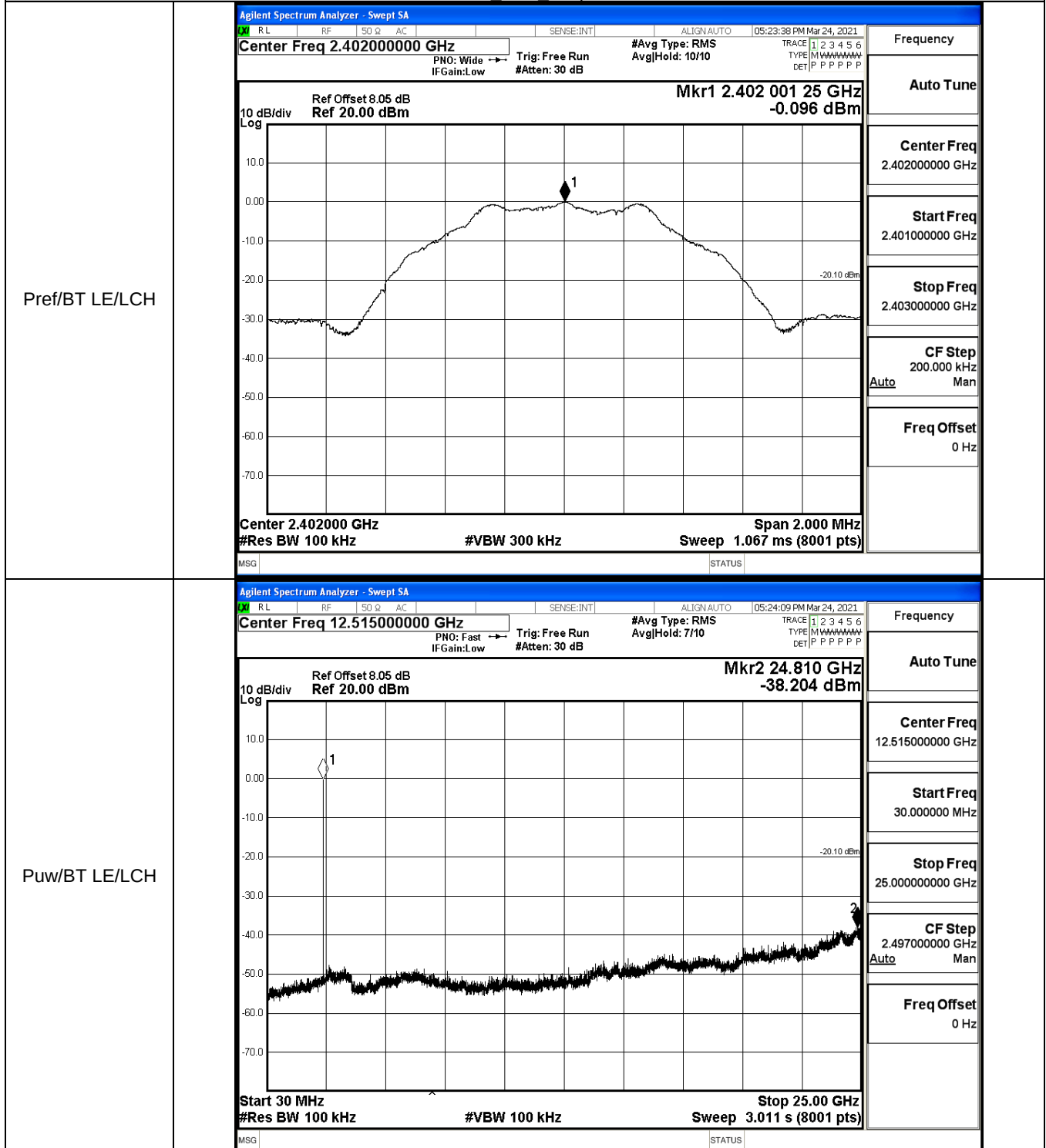


B.5 RF Conducted Spurious Emissions

BT LE

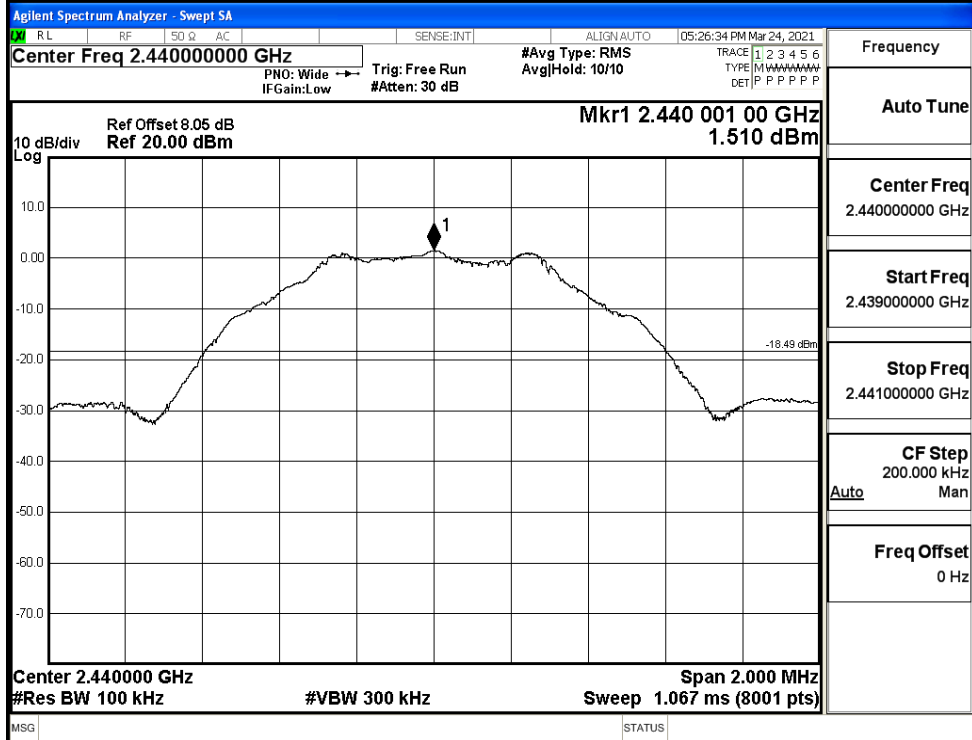
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.096	-38.204	-20.096	PASS
BT LE	MCH	1.51	-37.138	-18.490	PASS
BT LE	HCH	-0.014	-37.460	-20.014	PASS

BT LE LCH Graphs

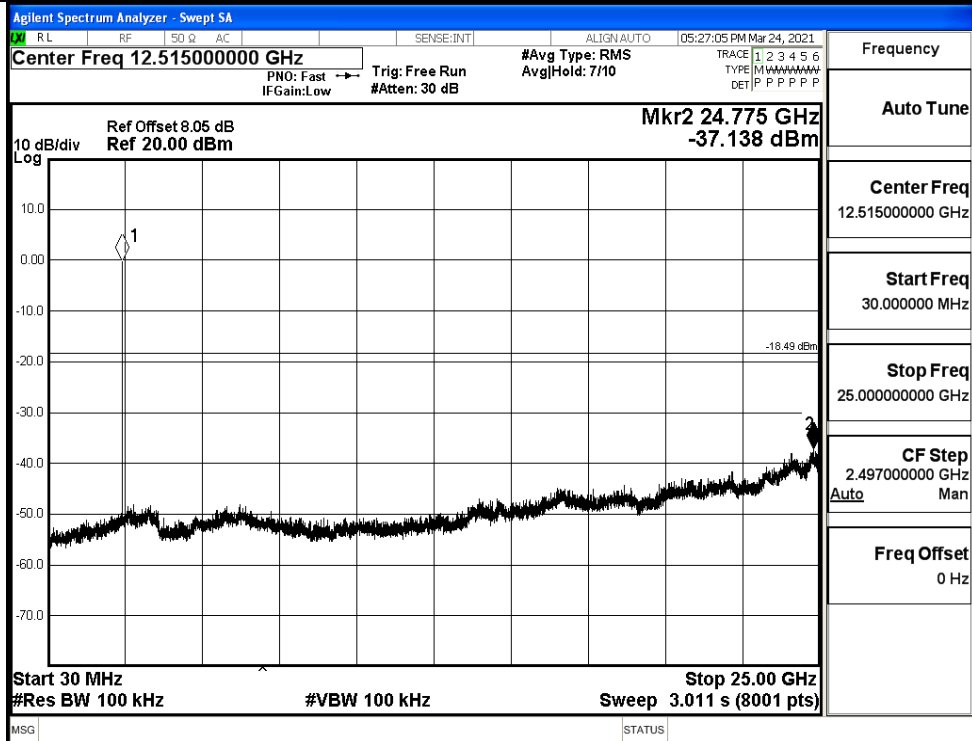


BT LE MCH Graphs

Pref/BT LE/MCH

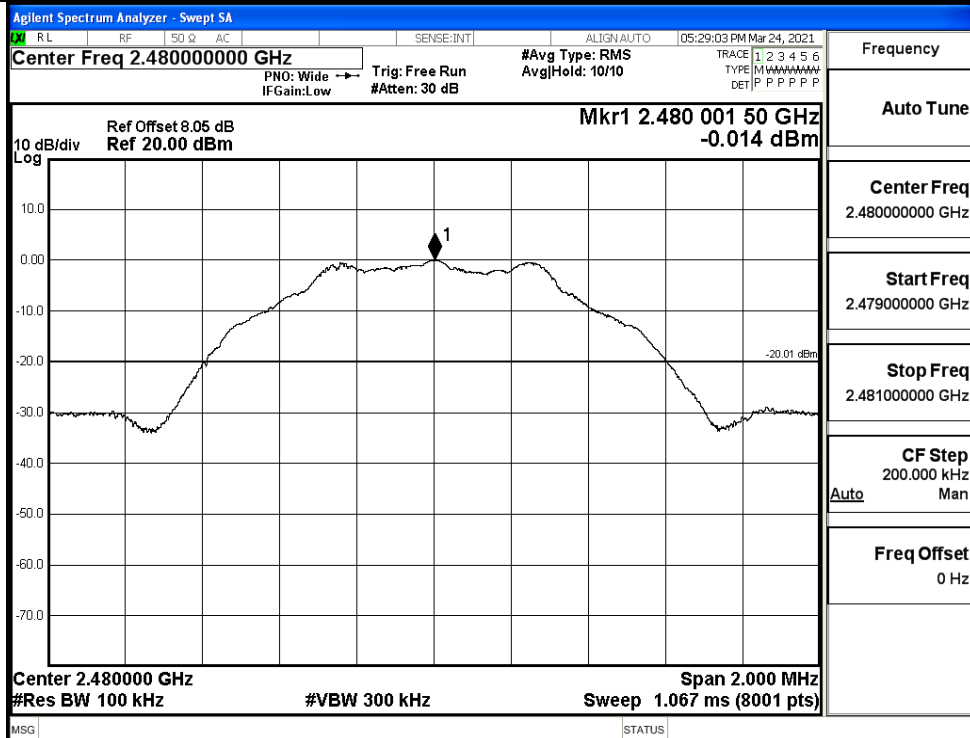


Puw/BT LE/MCH



BT LE HCH Graphs

Pref/BT LE/HCH



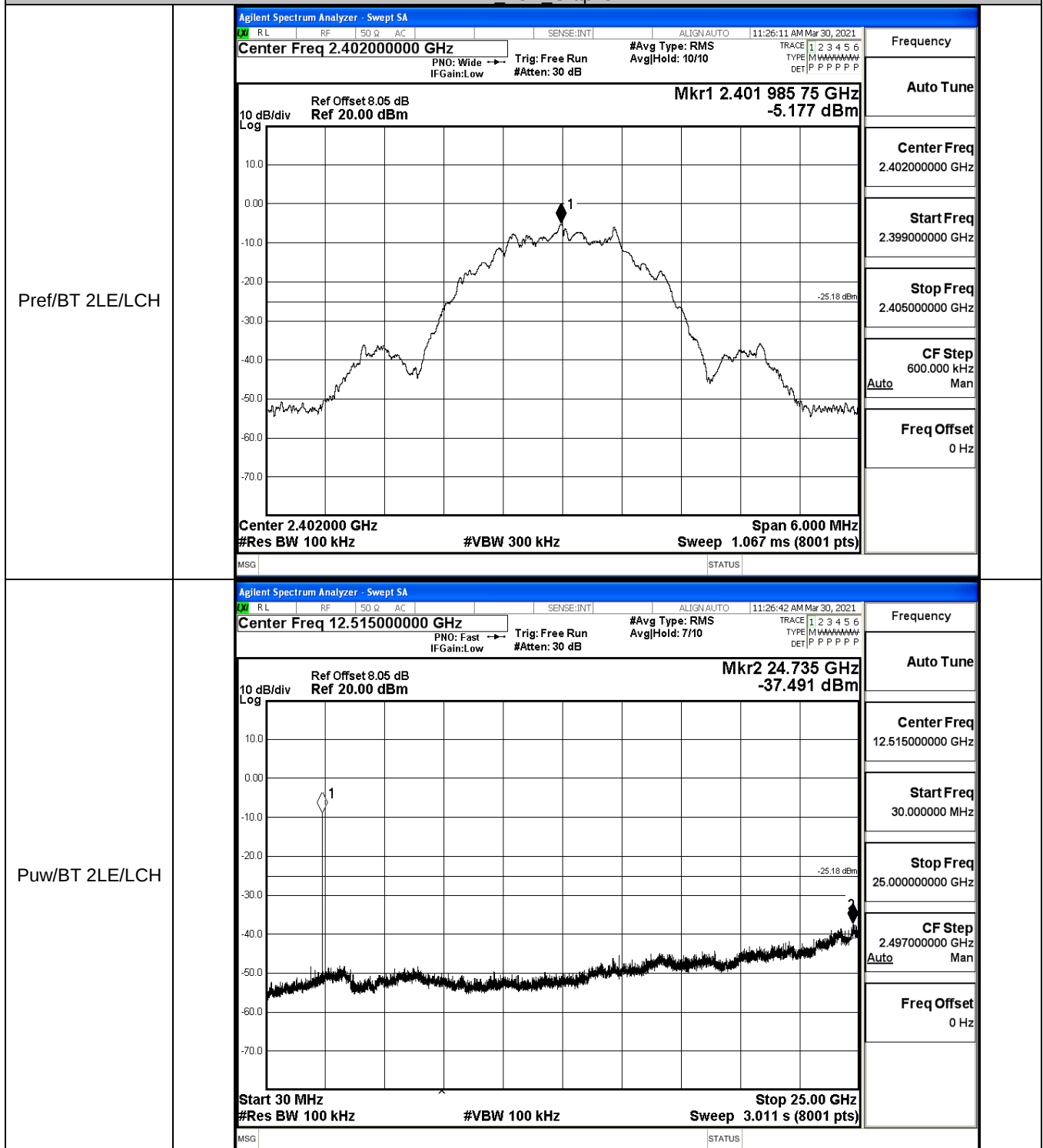
Puw/BT LE/HCH



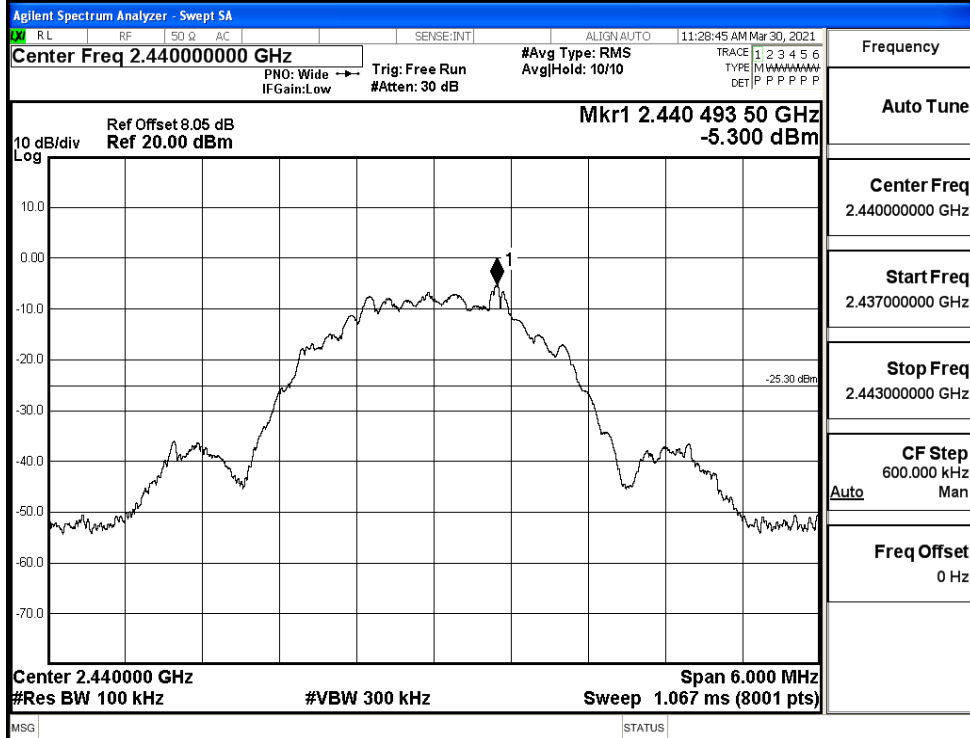
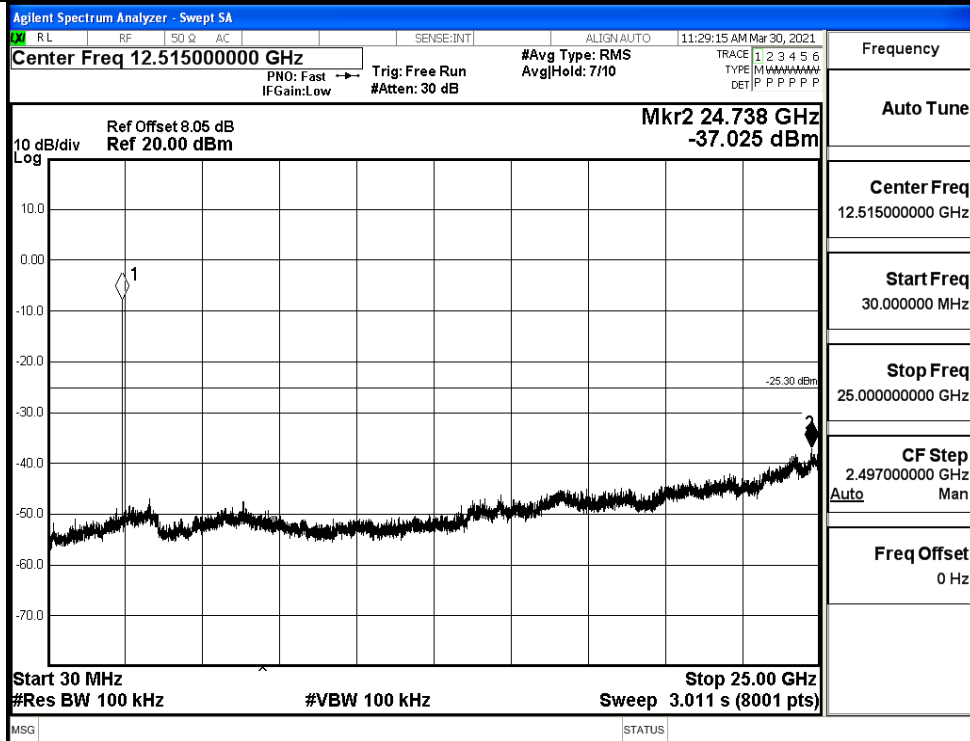
BT 2LE

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-5.177	-37.491	-25.177	PASS
BT 2LE	MCH	-5.3	-37.025	-25.300	PASS
BT 2LE	HCH	-5.273	-37.446	-25.273	PASS

BT 2LE LCH Graphs

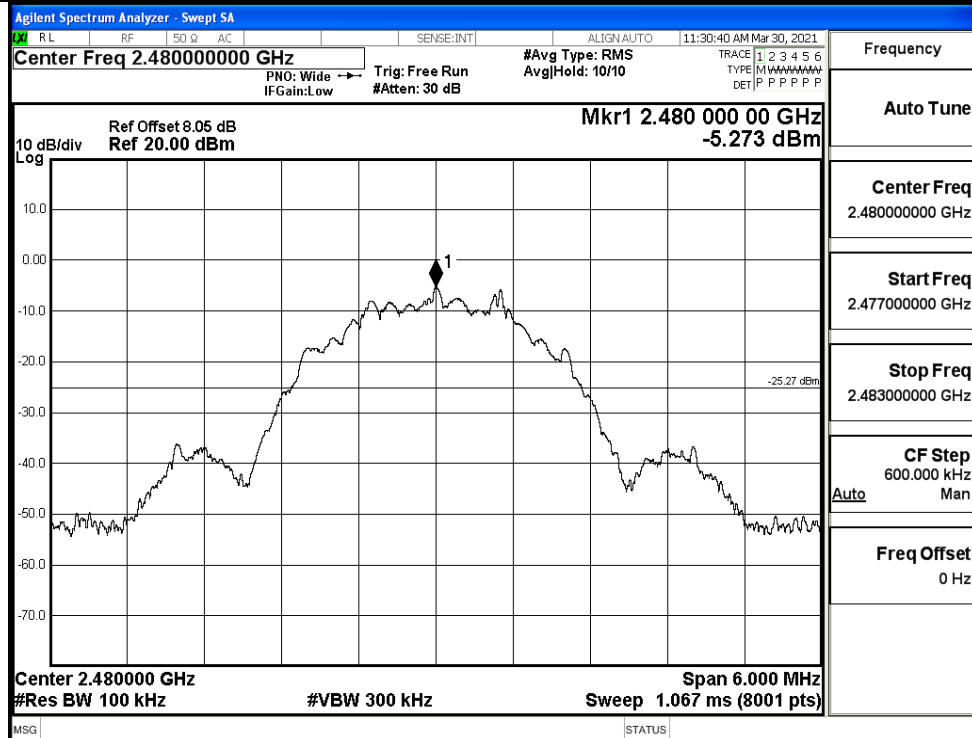
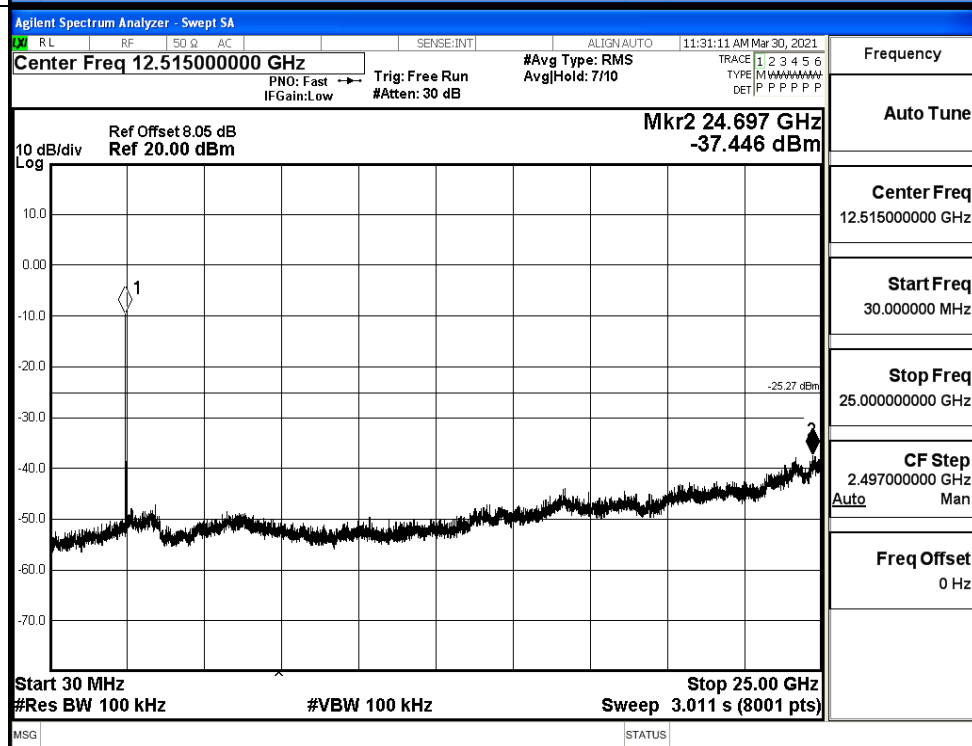


BT 2LE MCH Graphs

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

BT 2LE HCH Graphs

Pref/BT 2LE/HCH

Puw/BT
2LE/HCH

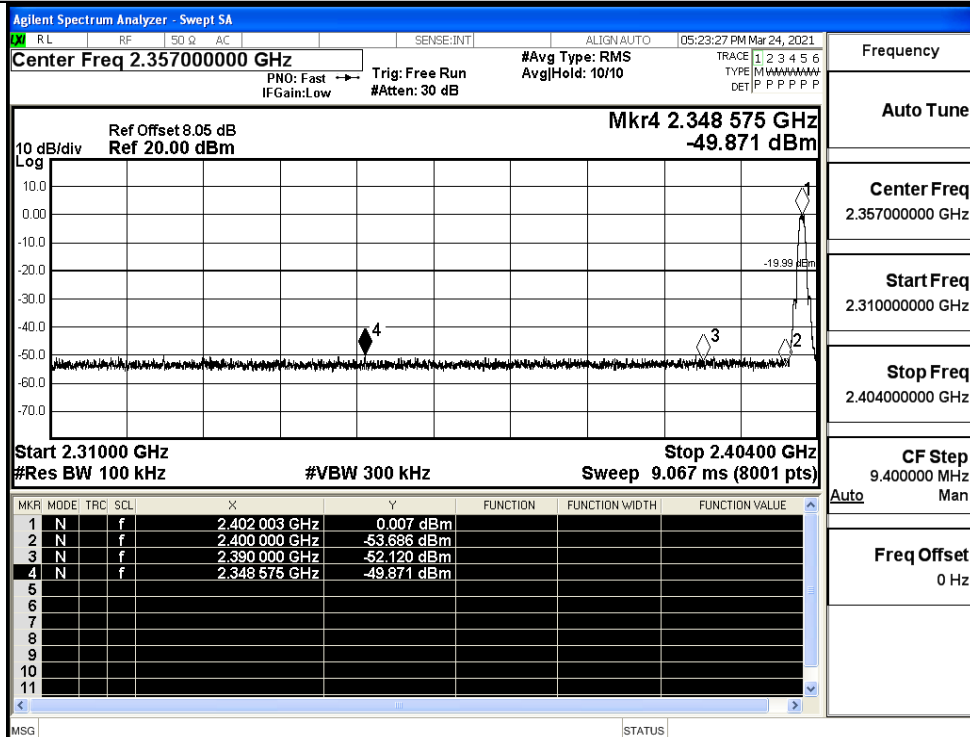
B.6 Band-edge for RF Conducted Emissions

BT LE

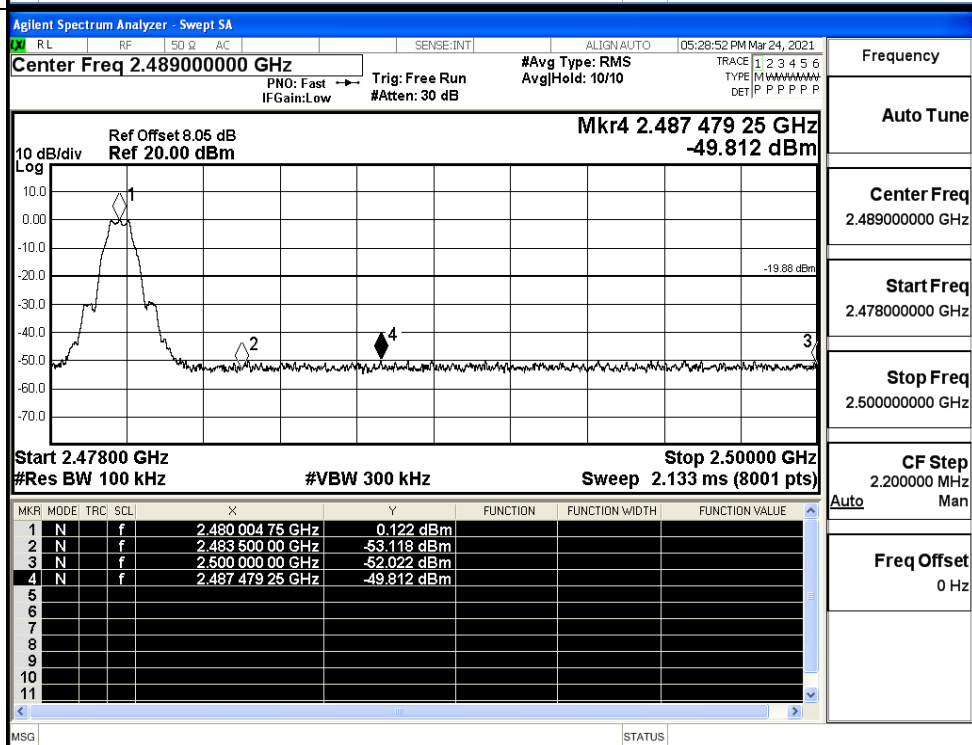
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.007	-49.871	-19.99	PASS
BT LE	HCH	0.122	-49.812	-19.88	PASS

Test Graphs

LCH



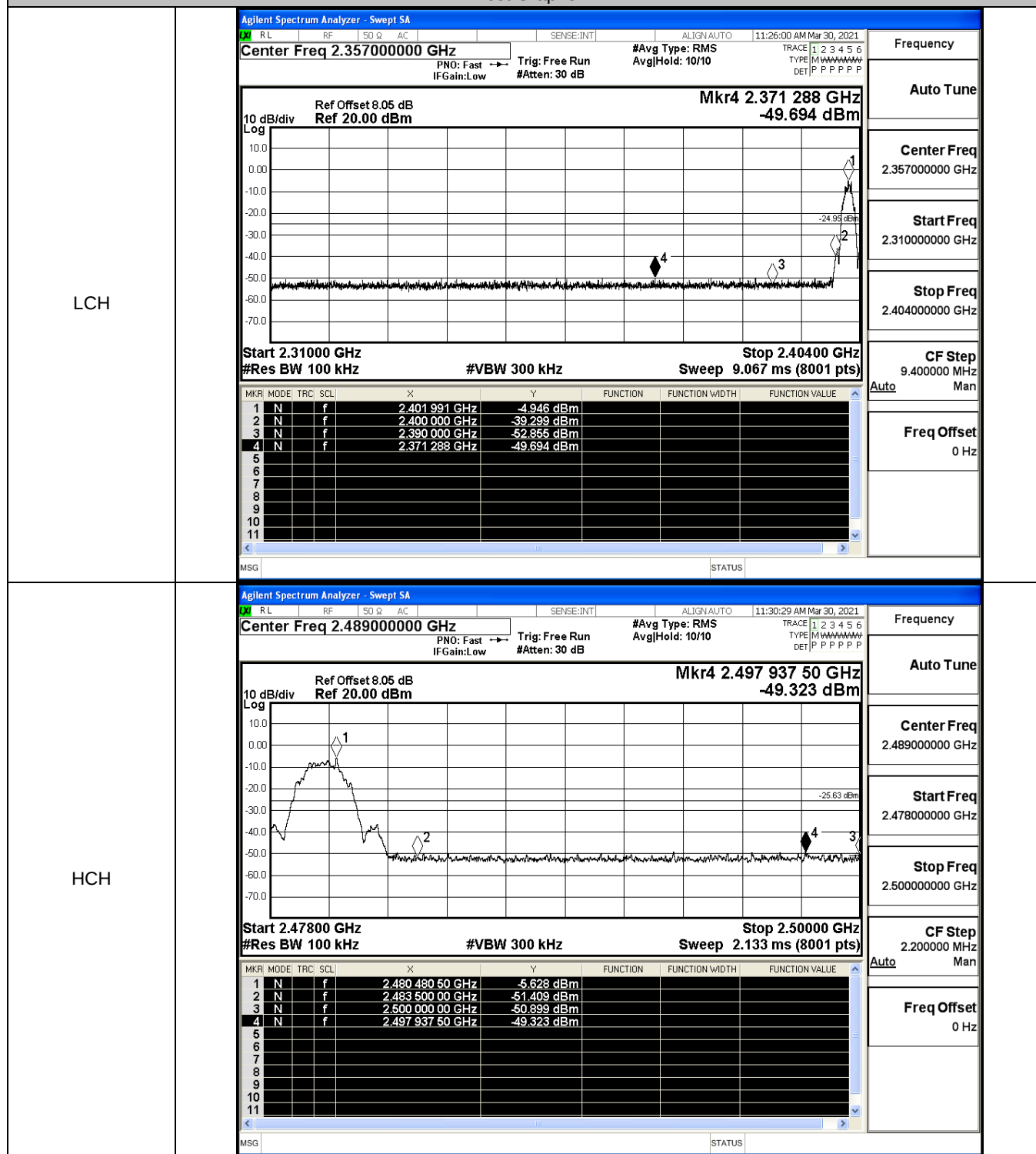
HCH



BT 2LE

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-4.946	-49.694	-24.95	PASS
BT 2LE	HCH	-5.628	-49.323	-25.63	PASS

Test Graphs

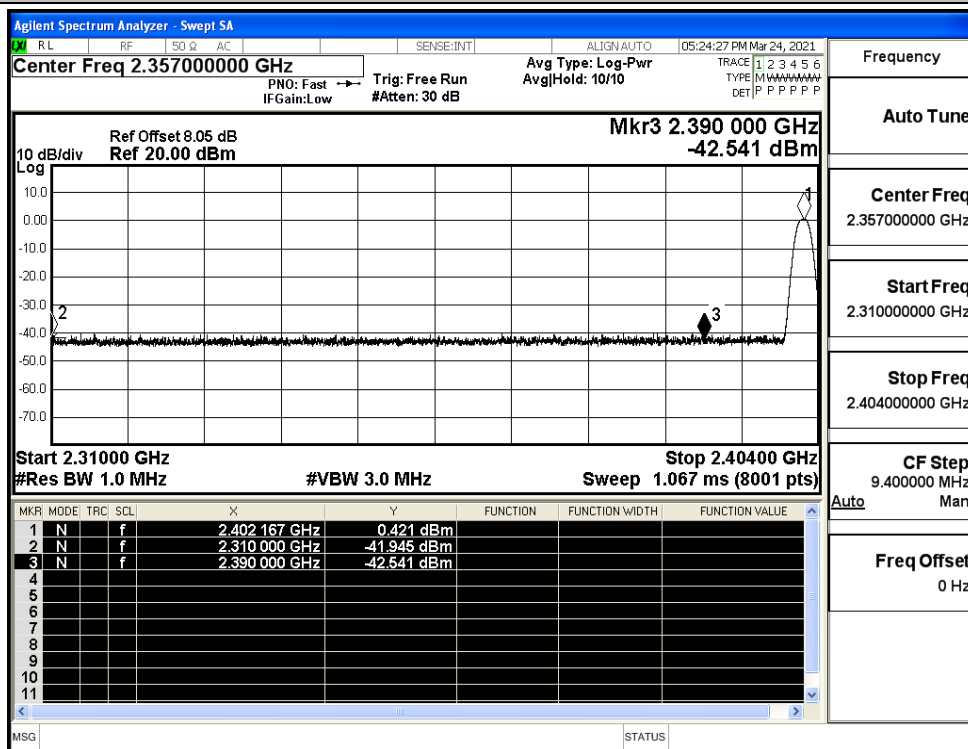


B.7 Restrict-band band-edge measurements

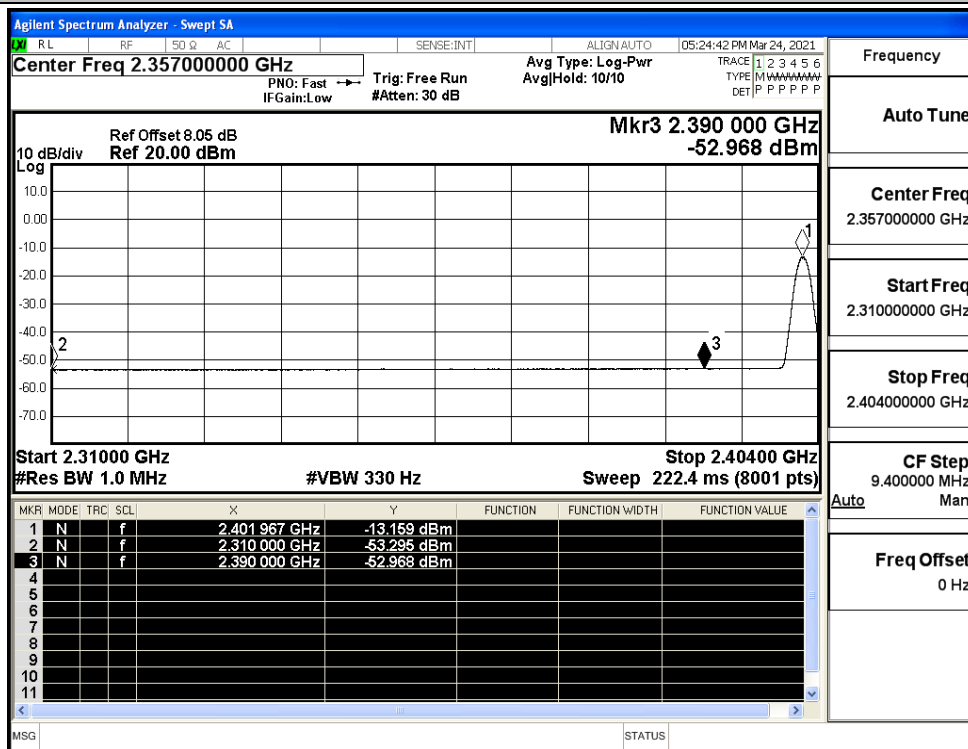
BT LE

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	-41.95	2.0	0	53.31	PEAK	74	PASS
		Ant1	2310.0	-53.30	2.0	0	41.96	AV	54	PASS
		Ant1	2390.0	-42.54	2.0	0	52.72	PEAK	74	PASS
		Ant1	2390.0	-52.97	2.0	0	42.29	AV	54	PASS
	2480	Ant1	2483.5	-43.20	2.0	0	52.06	PEAK	74	PASS
		Ant1	2483.5	-52.51	2.0	0	42.75	AV	54	PASS
		Ant1	2500.0	-42.90	2.0	0	52.36	PEAK	74	PASS
		Ant1	2500.0	-52.34	2.0	0	42.92	AV	54	PASS

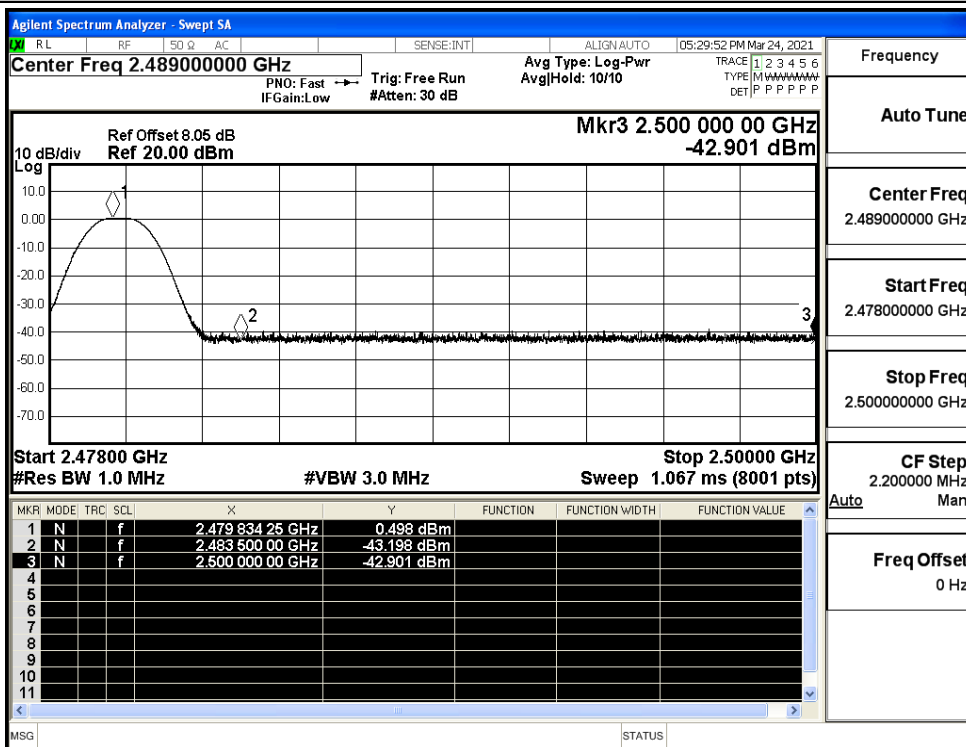
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



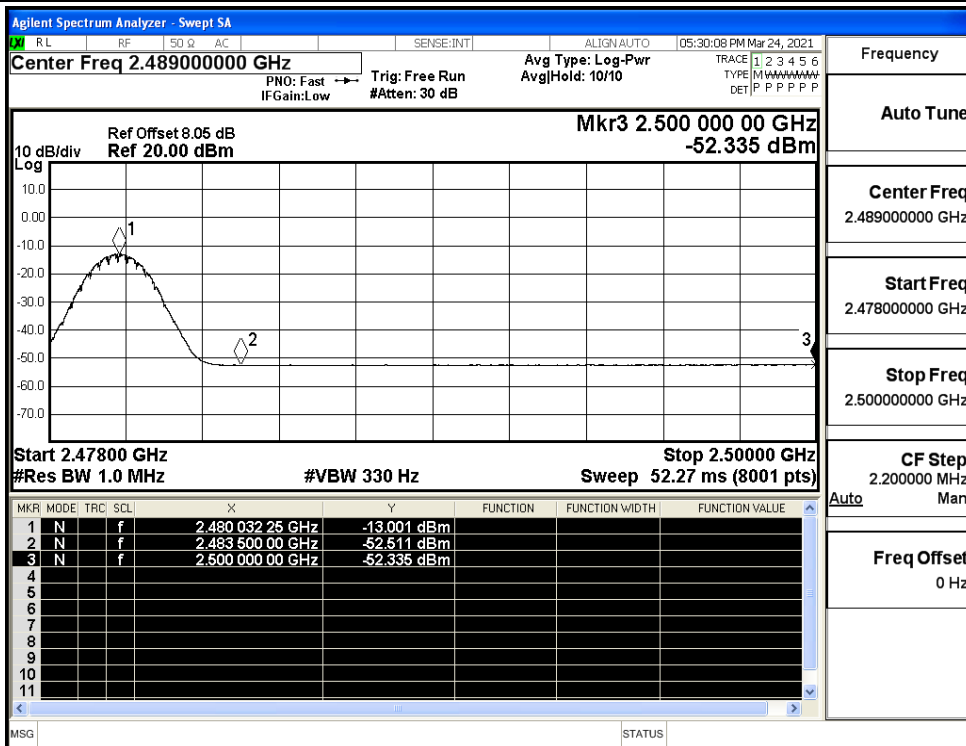
Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



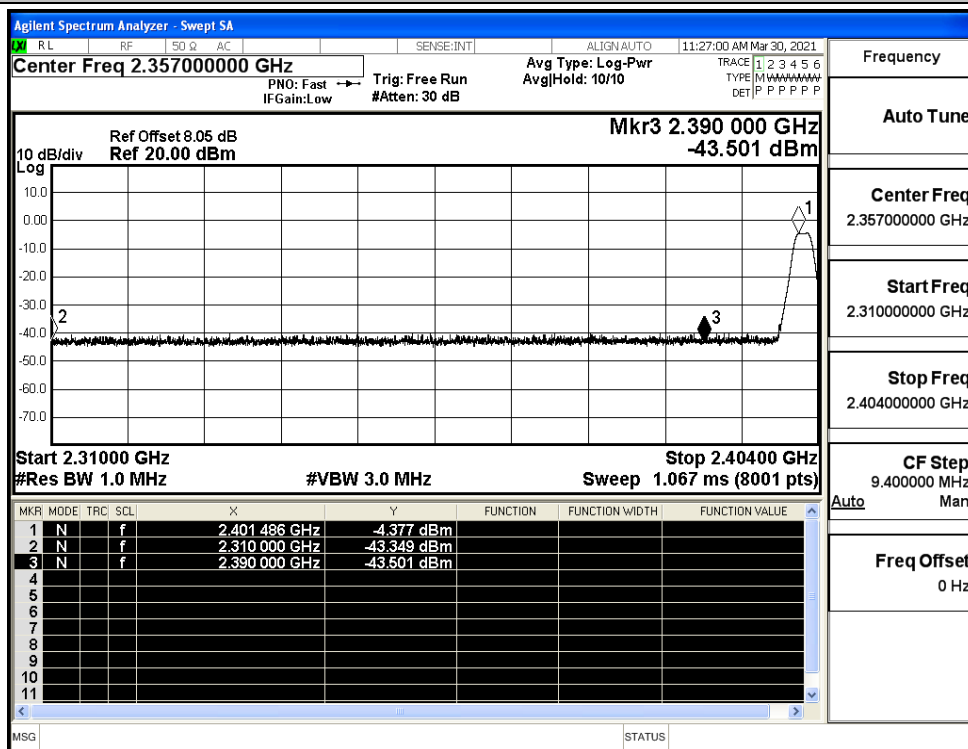
Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



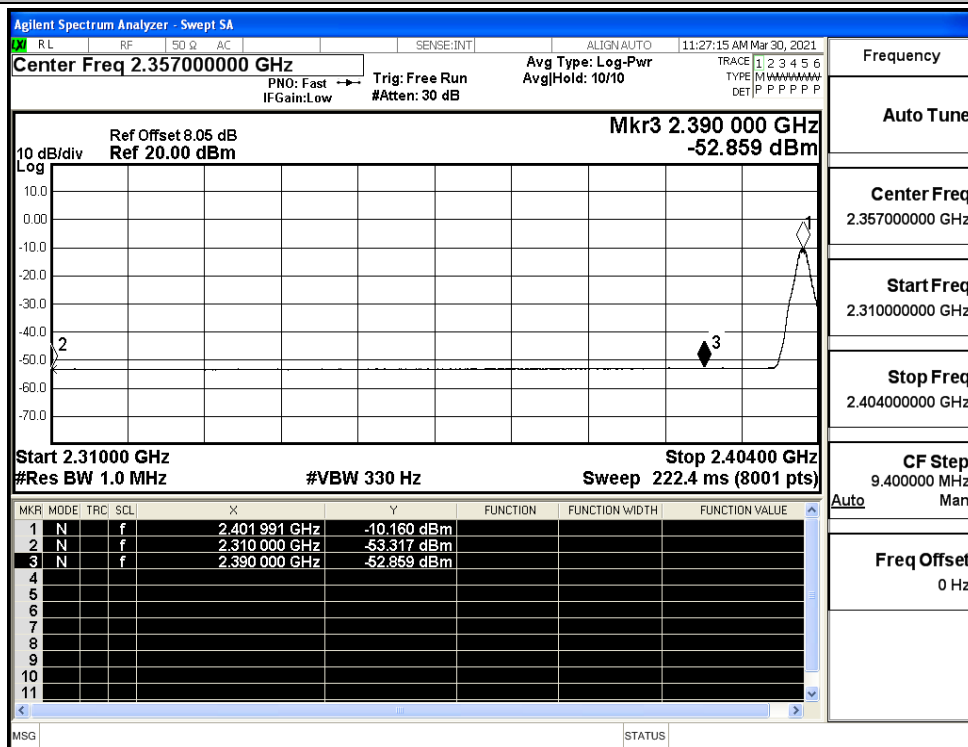
BT 2LE

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	-43.35	2.0	0	51.91	PEAK	74	PASS
		Ant1	2310.0	-53.32	2.0	0	41.94	AV	54	PASS
		Ant1	2390.0	-43.50	2.0	0	51.76	PEAK	74	PASS
		Ant1	2390.0	-52.86	2.0	0	42.40	AV	54	PASS
	2480	Ant1	2483.5	-42.45	2.0	0	52.81	PEAK	74	PASS
		Ant1	2483.5	-52.16	2.0	0	43.10	AV	54	PASS
		Ant1	2500.0	-42.54	2.0	0	52.72	PEAK	74	PASS
		Ant1	2500.0	-52.29	2.0	0	42.97	AV	54	PASS

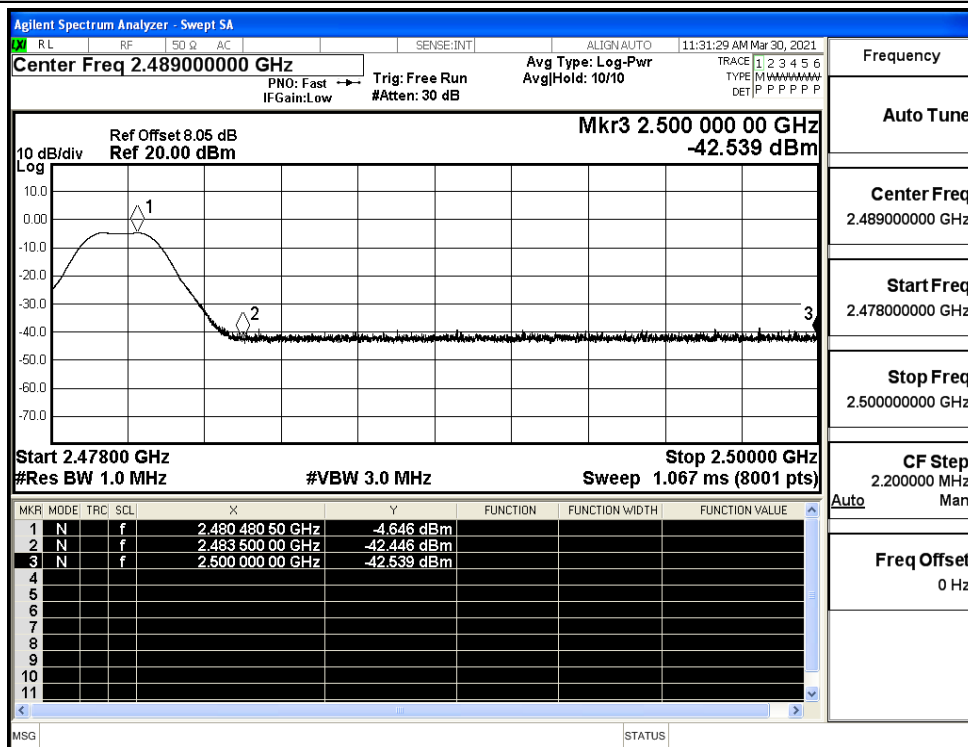
Restrict-band band-edge measurements_BT 2LE_2402_Ant1_PEAK



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

