

Appendix A

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

Product Name: WPP-250

Trade Mark: N/A

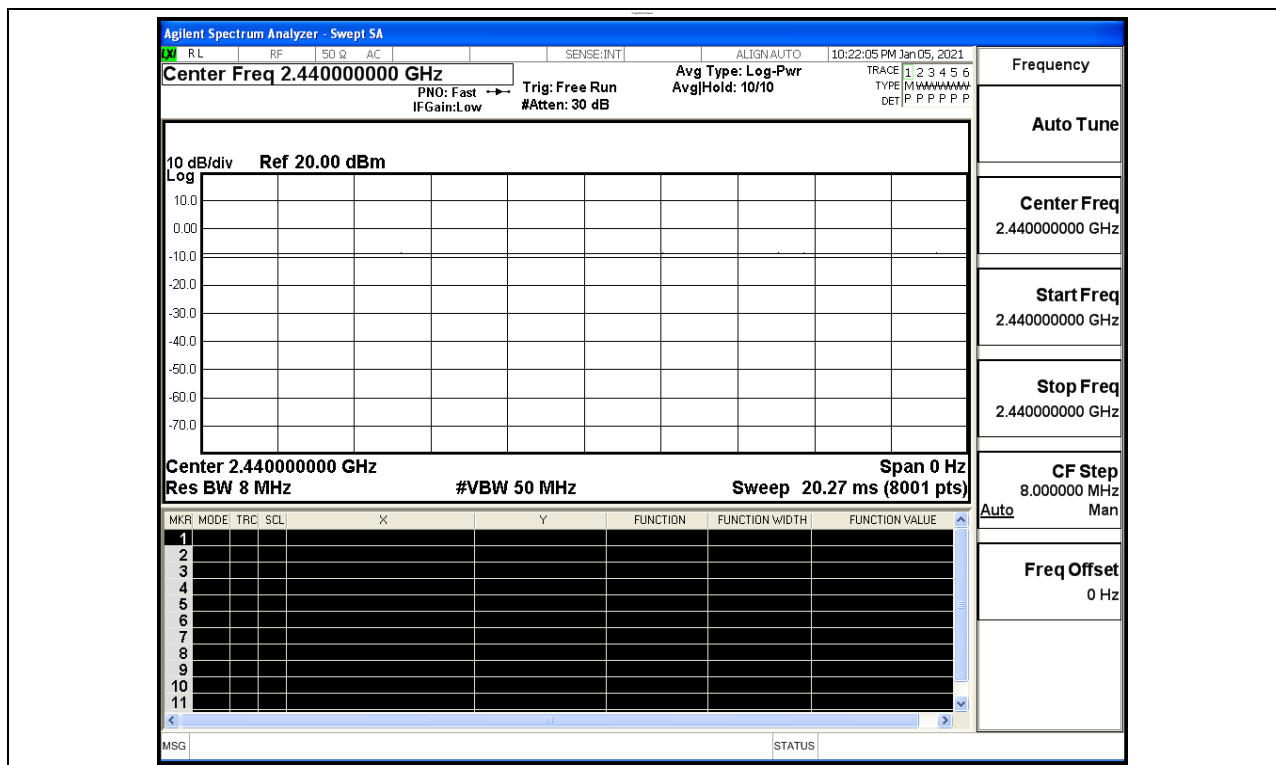
Test Model: WPP-250

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

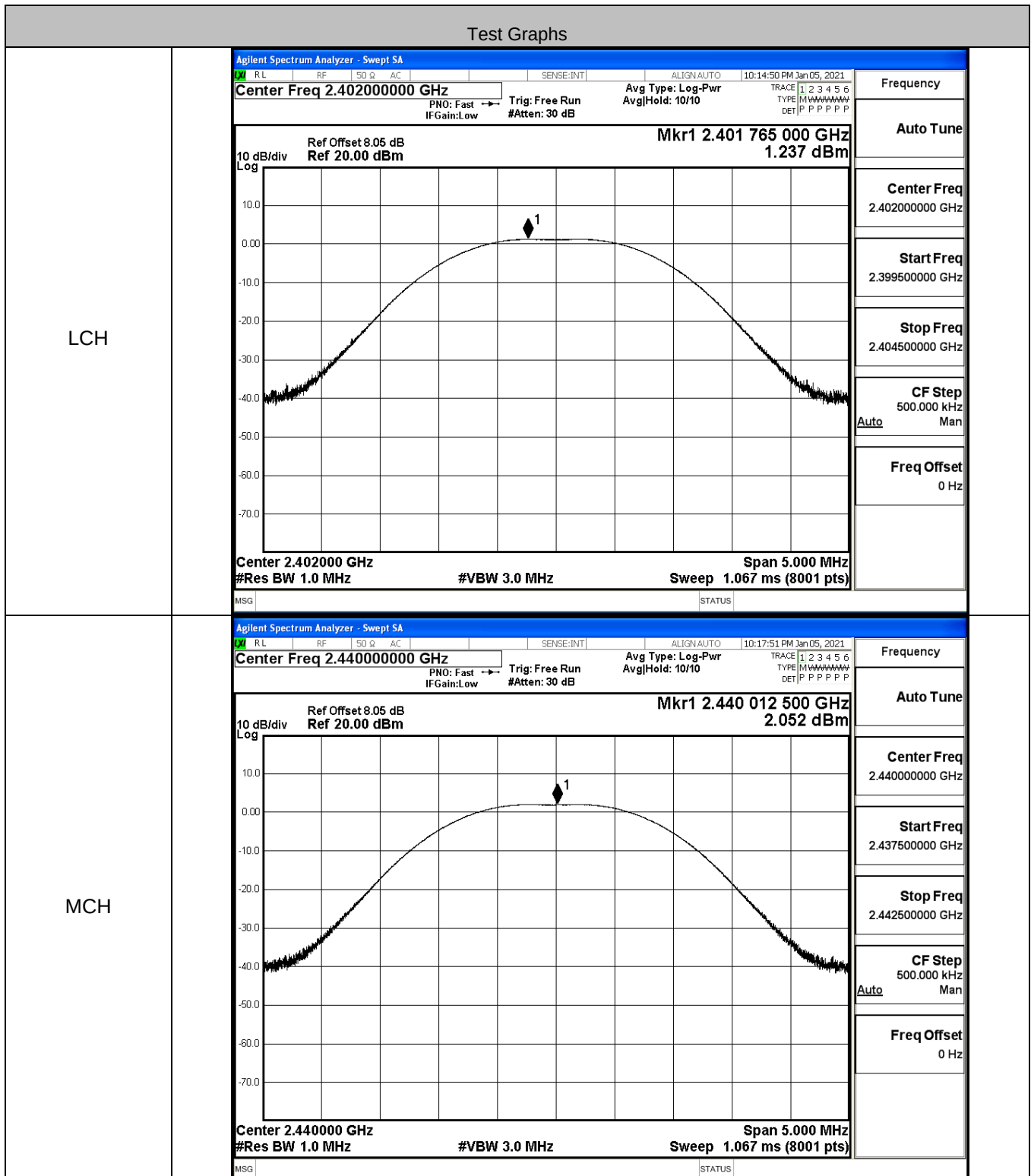
A.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS

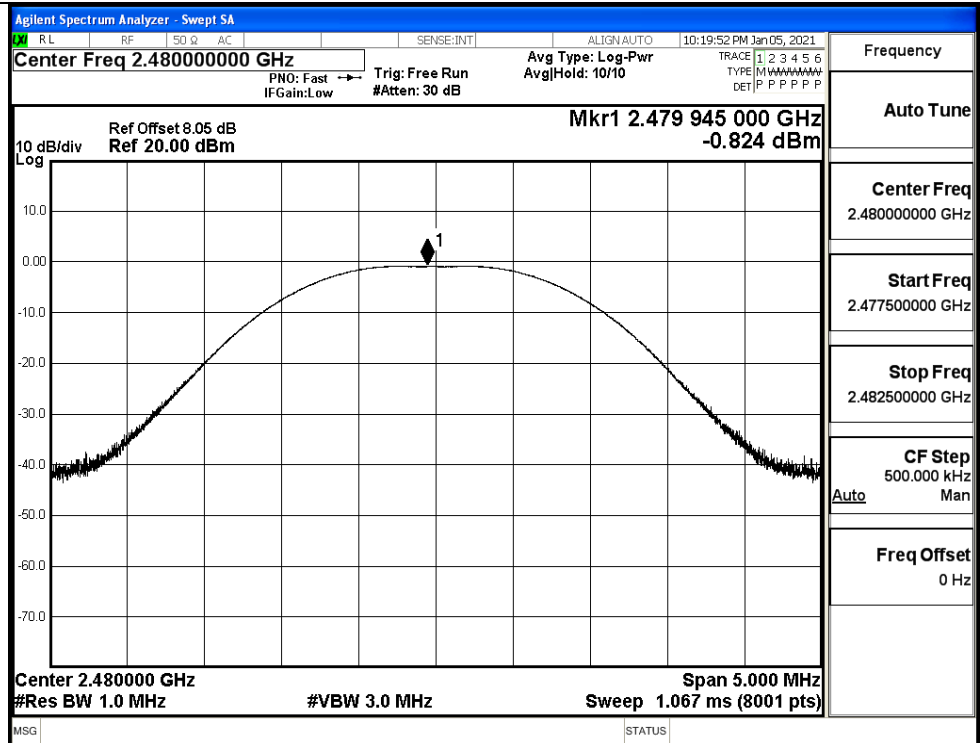


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.237	30	PASS
BT LE	MCH	2.052	30	PASS
BT LE	HCH	-0.824	30	PASS



HCH

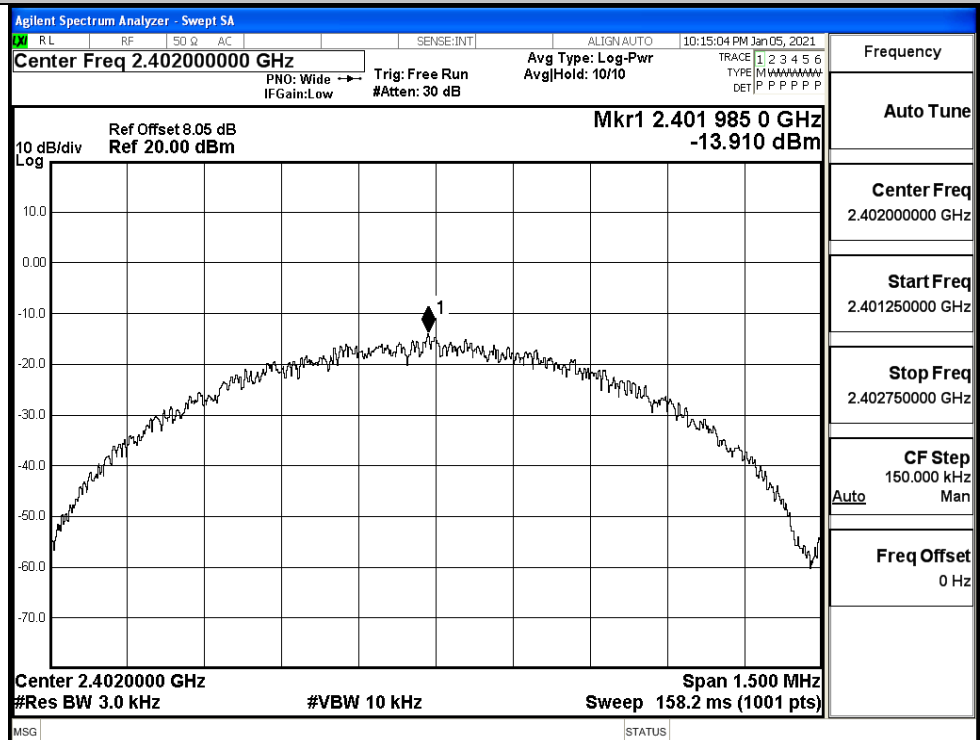


A.3 Maximum Power Spectral Density

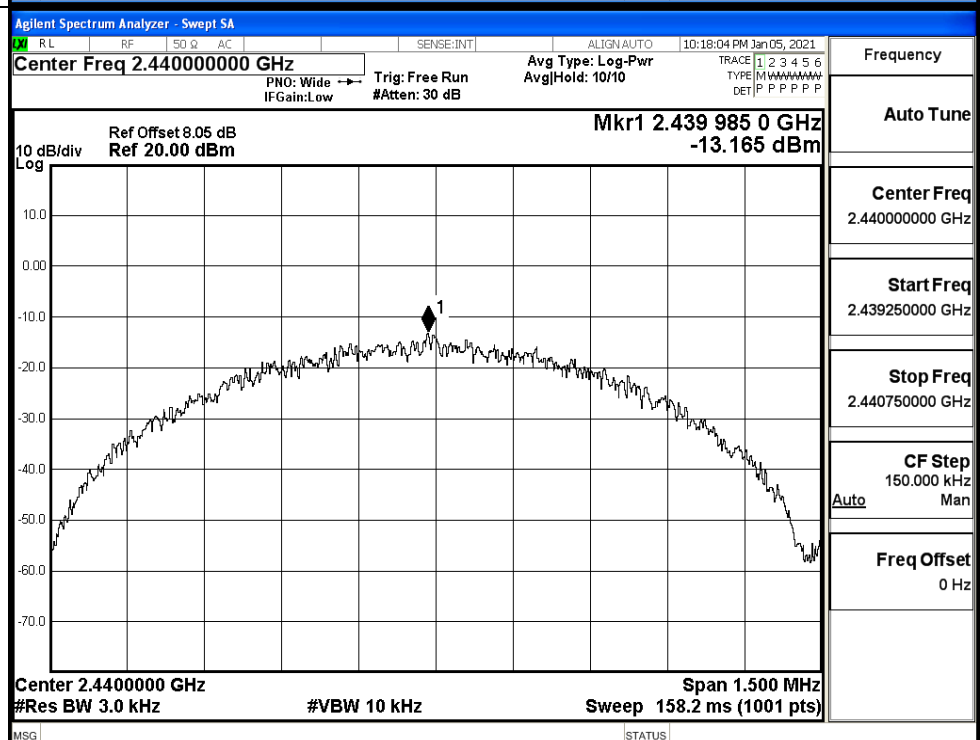
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.910	8	PASS
BT LE	MCH	-13.165	8	PASS
BT LE	HCH	-16.232	8	PASS

Test Graphs

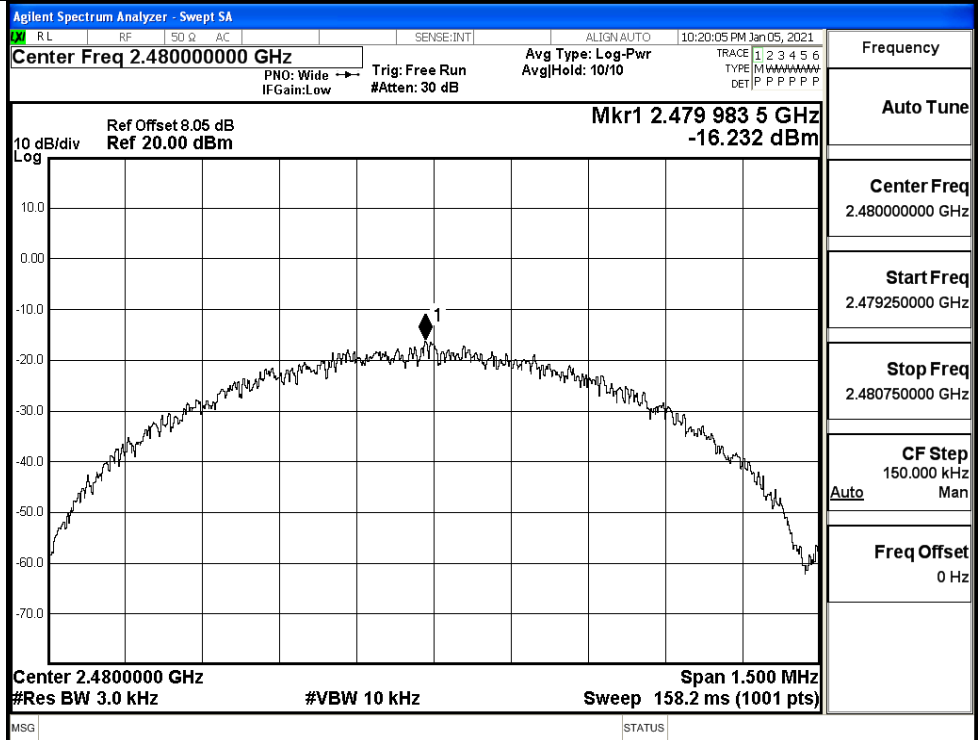
LCH



MCH



HCH

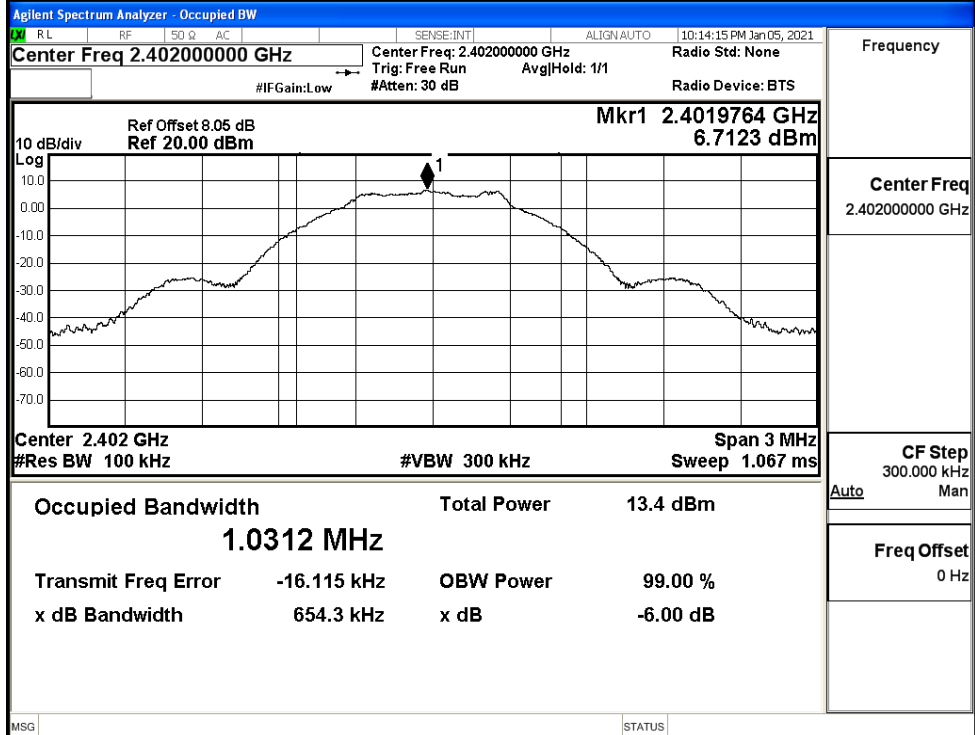


A.4 6dB Bandwidth

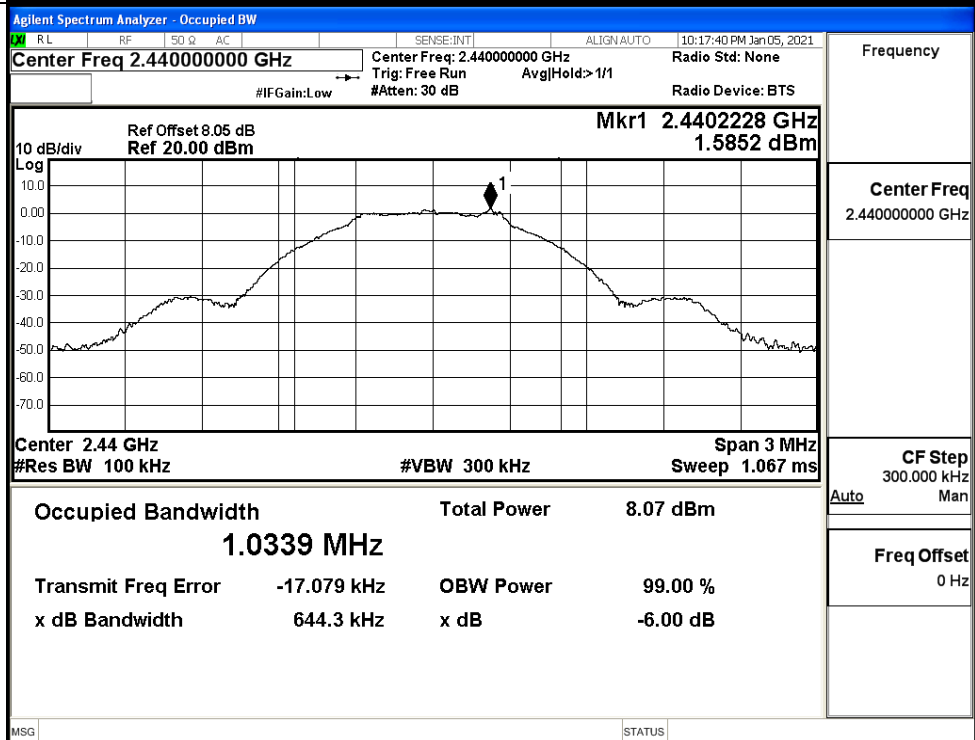
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6543	≥ 0.5	PASS
BT LE	MCH	0.6443	≥ 0.5	PASS
BT LE	HCH	0.6468	≥ 0.5	PASS

Test Graphs

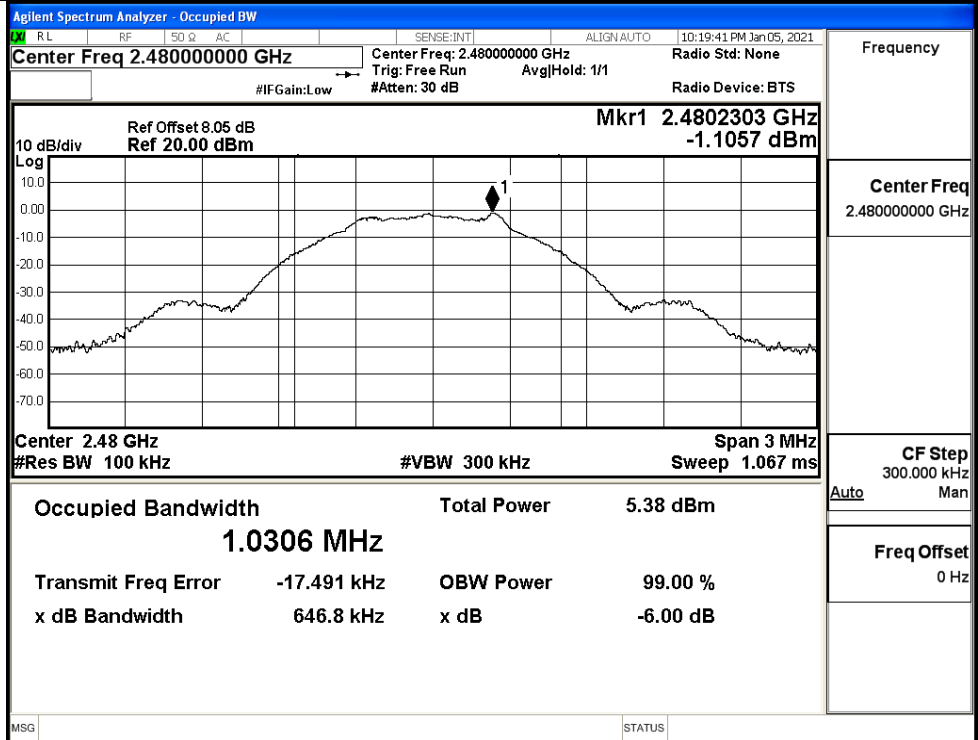
LCH



MCH



HCH

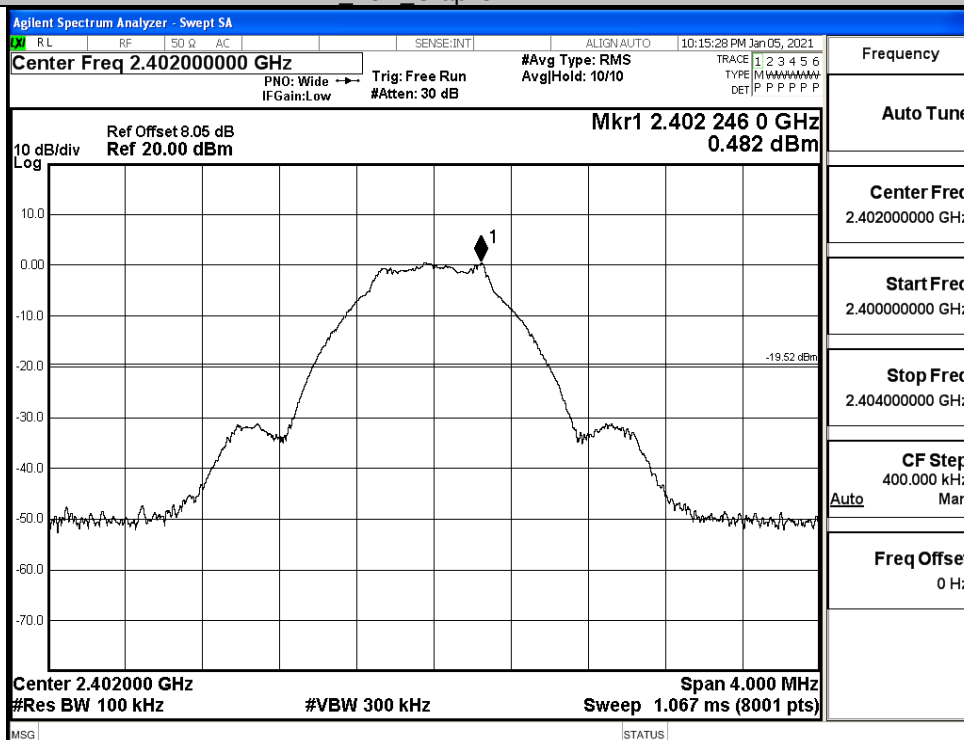


A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.482	-36.985	-19.518	PASS
BT LE	MCH	1.337	-37.064	-18.663	PASS
BT LE	HCH	-1.215	-36.779	-21.215	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

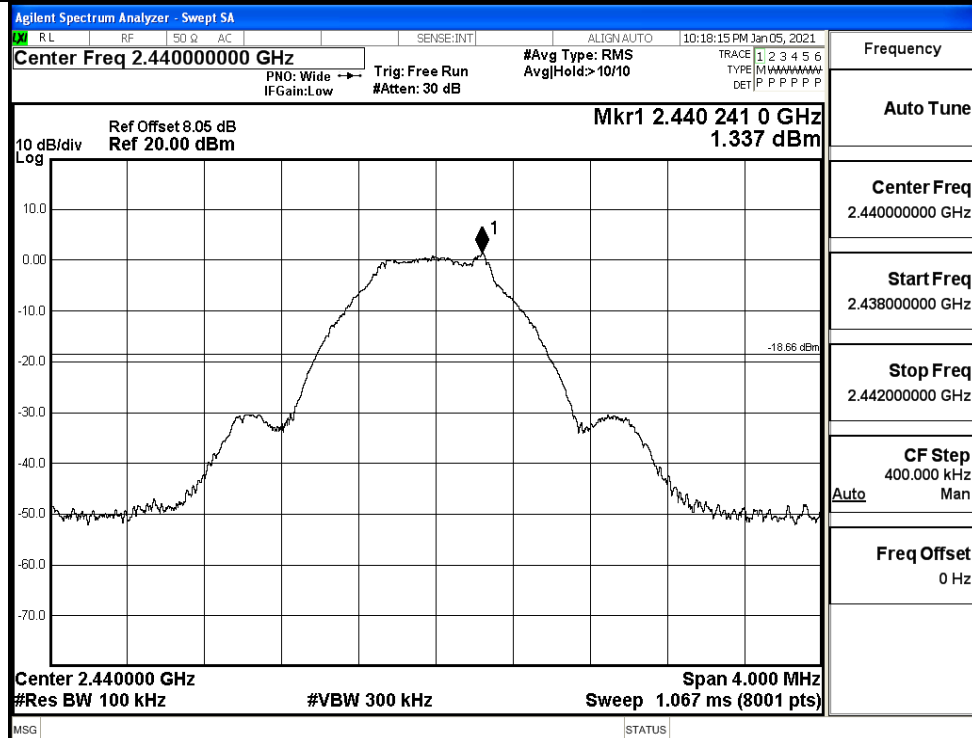


Puw/BT LE/LCH

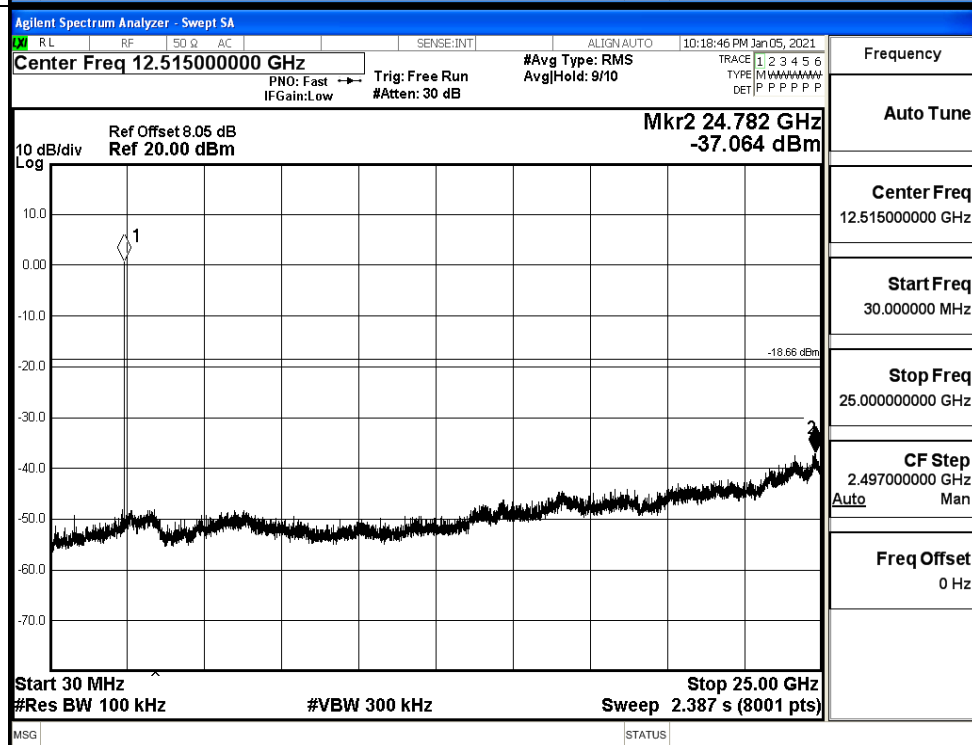


BT LE MCH Graphs

Pref/BT LE/MCH

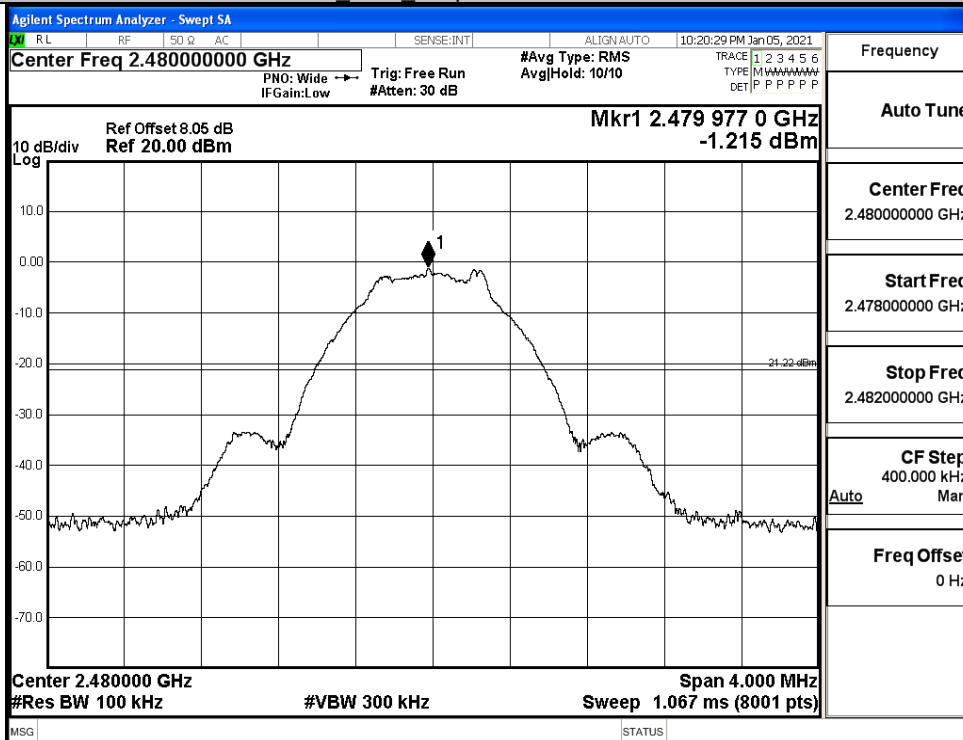


Puw/BT LE/MCH

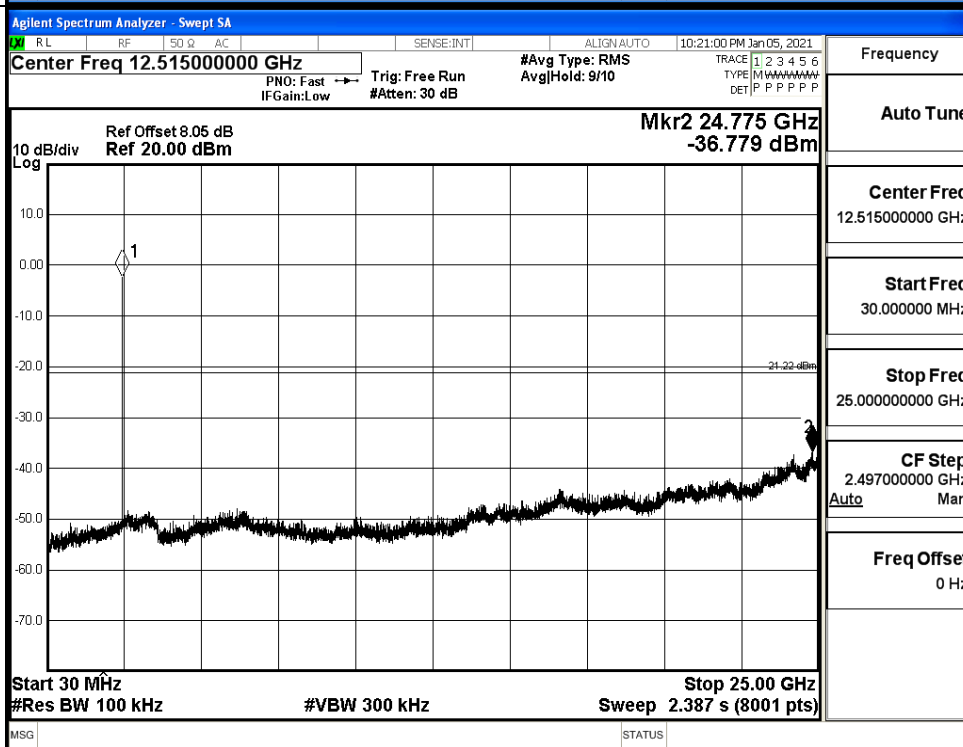


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

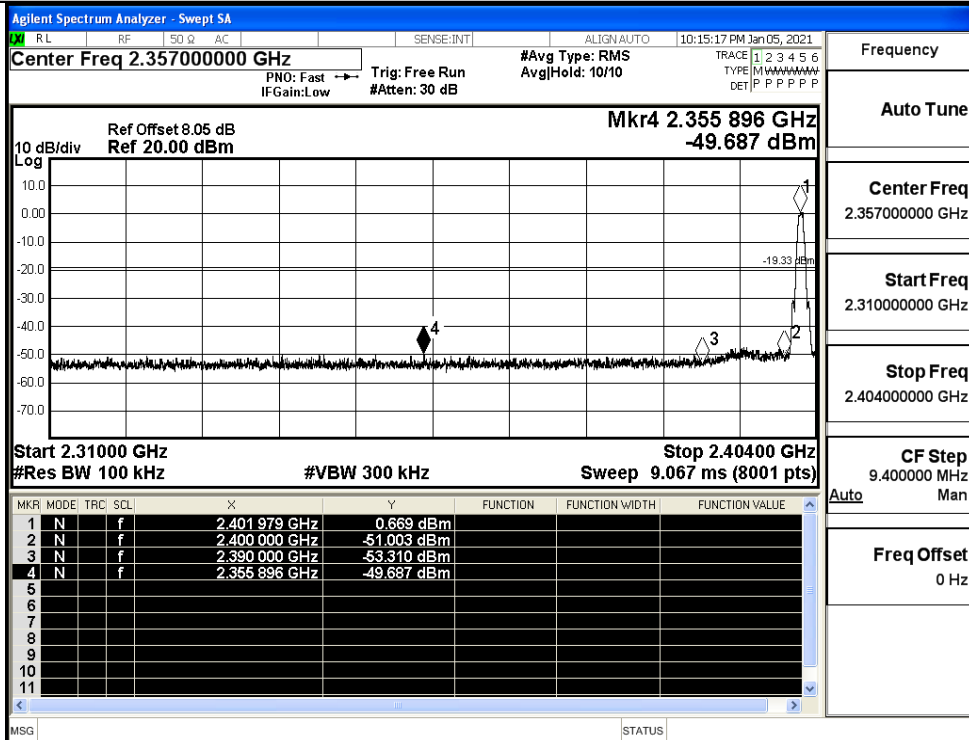


A.6 Band-edge for RF Conducted Emissions

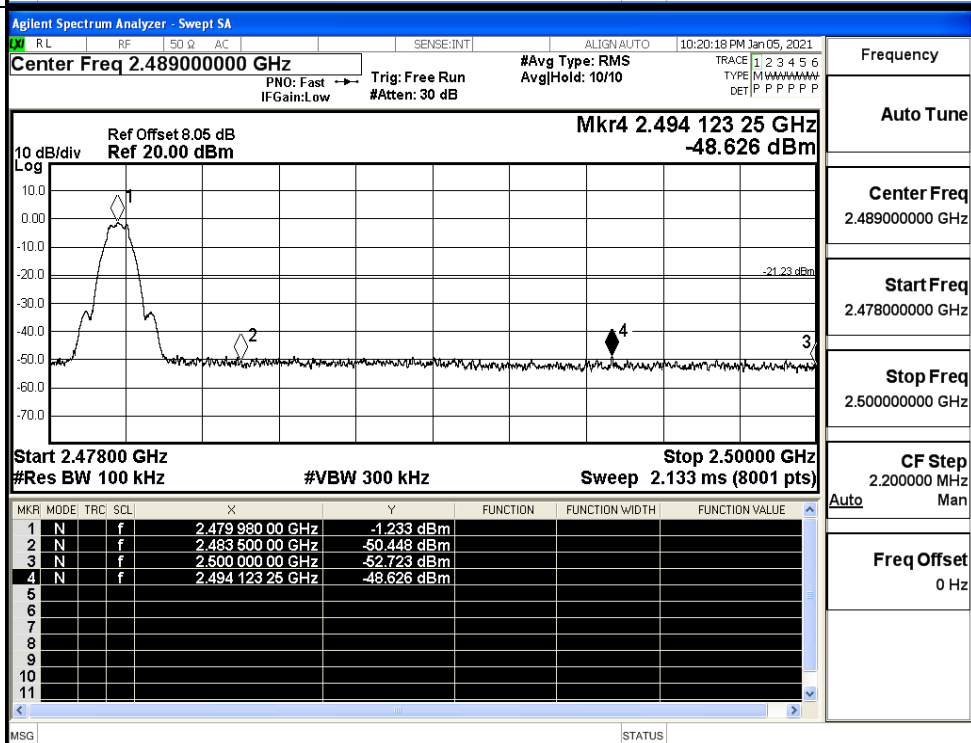
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.669	-49.687	-19.33	PASS
BT LE	HCH	-1.233	-48.626	-21.23	PASS

Test Graphs

LCH



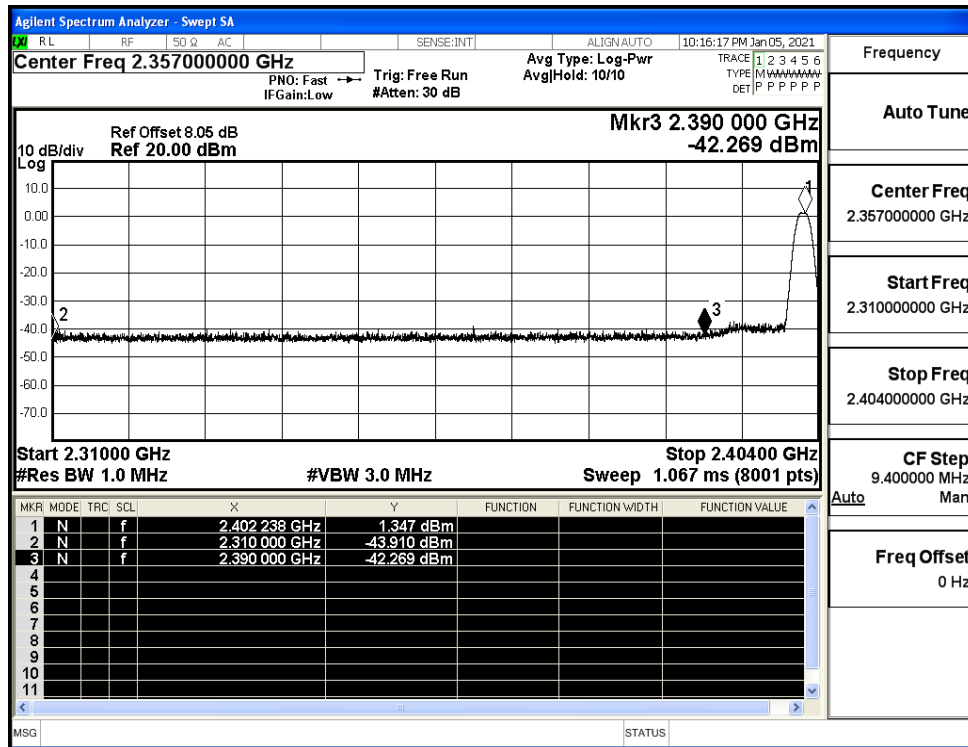
HCH



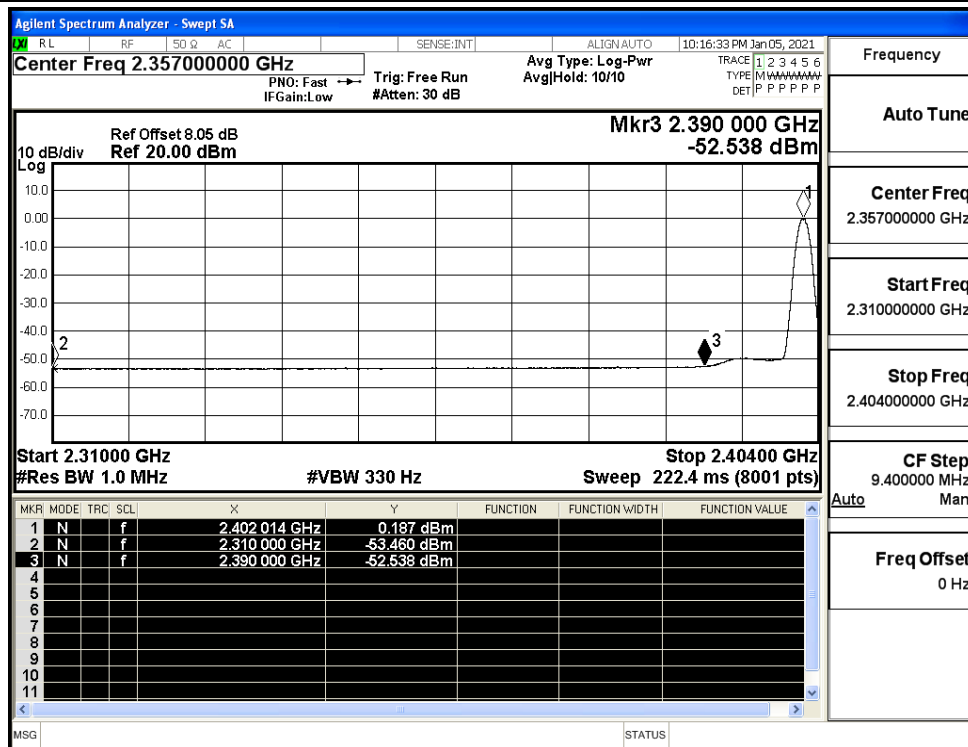
A.7 Restrict-band band-edge measurements

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	-43.91	2.0	0	53.32	PEAK	74	PASS
		Ant1	2310.0	-53.46	2.0	0	43.77	AV	54	PASS
		Ant1	2390.0	-42.27	2.0	0	54.96	PEAK	74	PASS
		Ant1	2390.0	-52.54	2.0	0	44.69	AV	54	PASS
	2480	Ant1	2483.5	-41.92	2.0	0	55.31	PEAK	74	PASS
		Ant1	2483.5	-51.31	2.0	0	45.92	AV	54	PASS
		Ant1	2500.0	-42.39	2.0	0	54.84	PEAK	74	PASS
		Ant1	2500.0	-52.44	2.0	0	44.79	AV	54	PASS

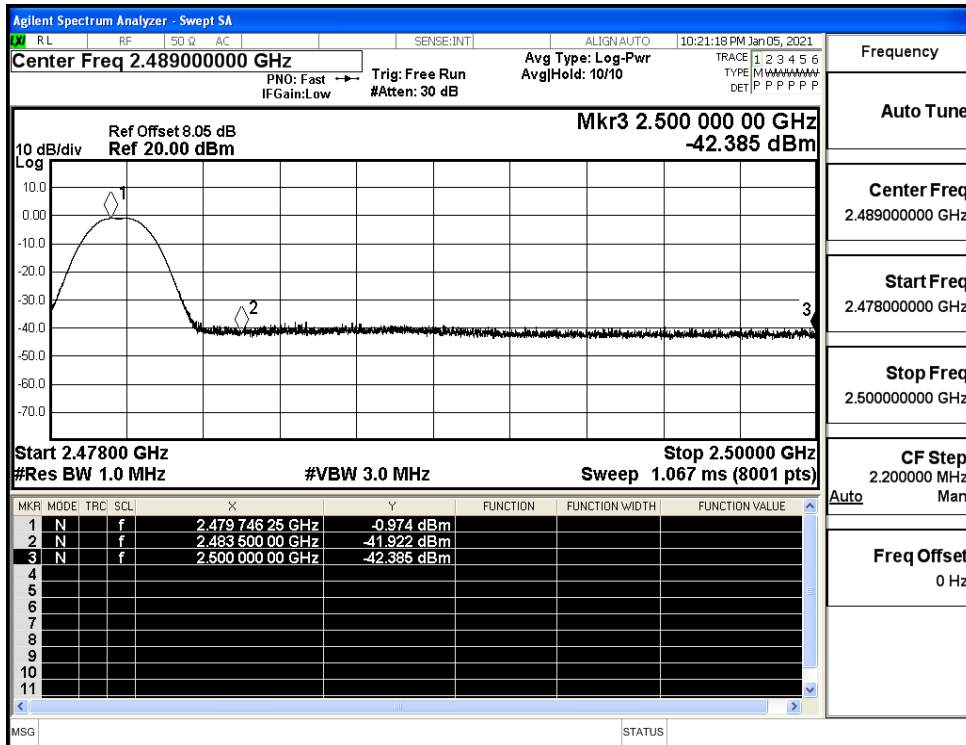
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

