

Appendix B

RF Test Data for BT LE (Conducted Measurement)

Product Name: 14.1 inch laptop

Trade Mark: Hyundai

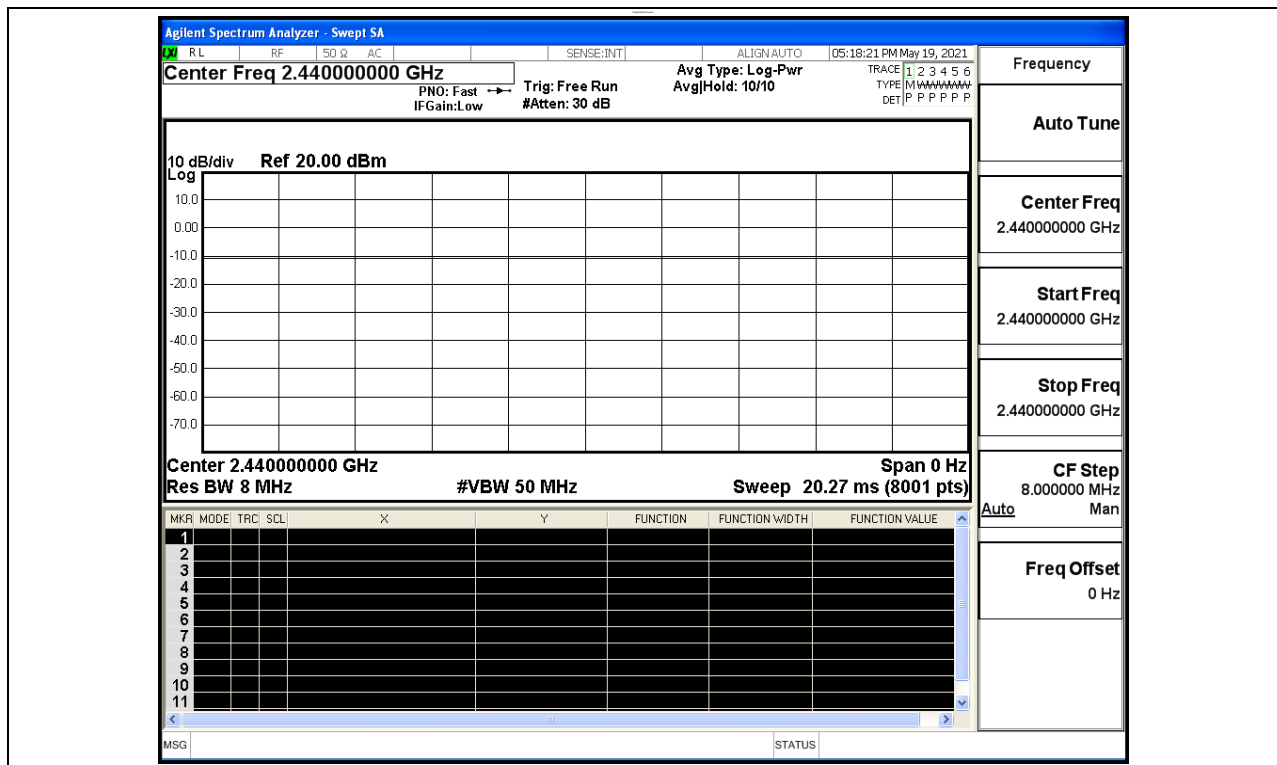
Test Model: HT14CCIC44SGH

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

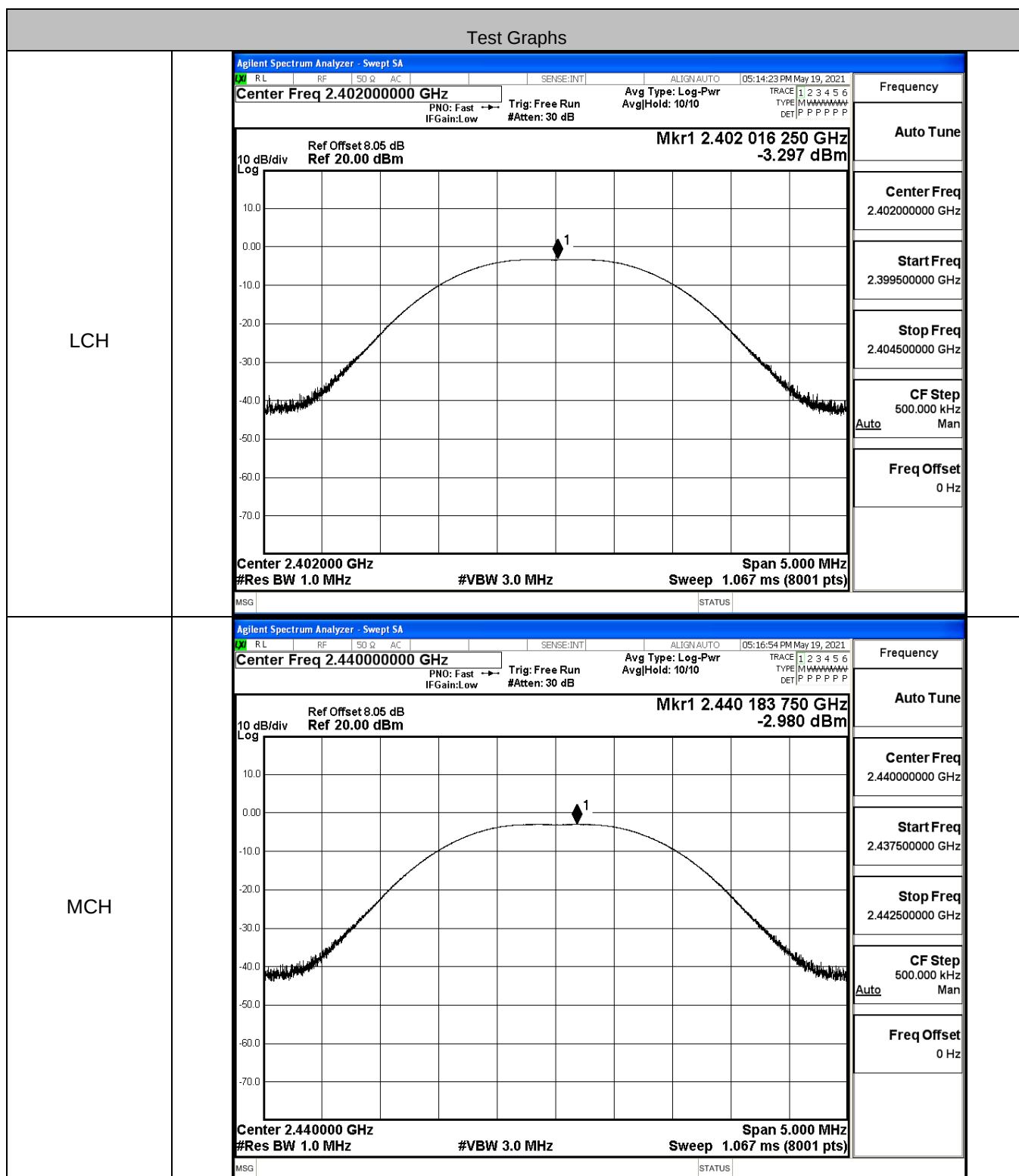
B.1 Duty Cycle

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

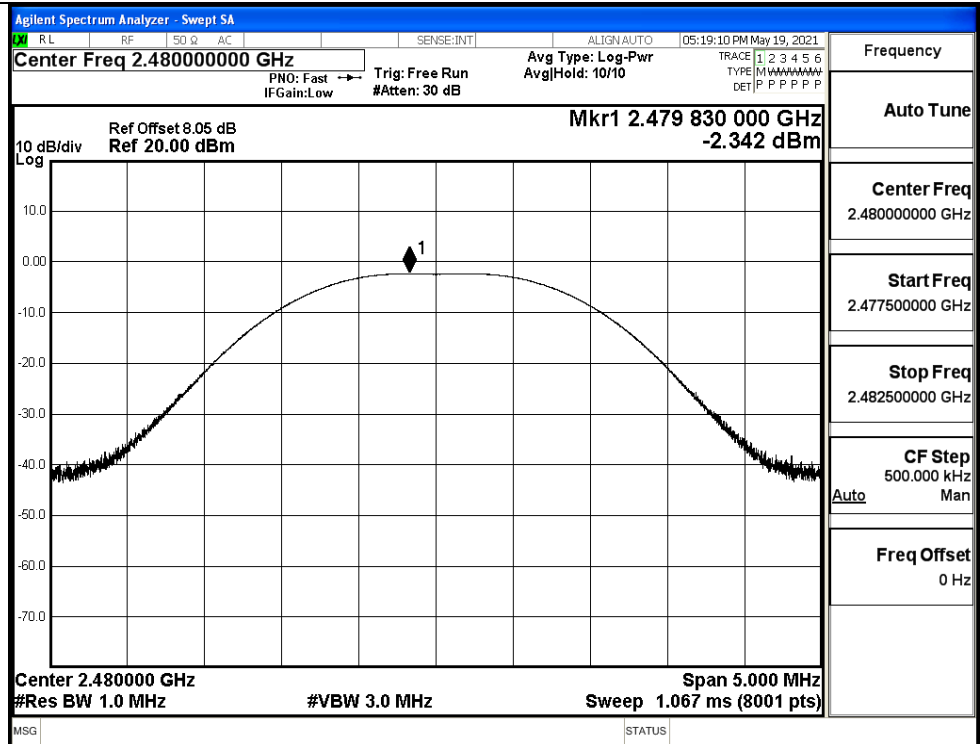


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.297	21	PASS
BT LE	MCH	-2.98	21	PASS
BT LE	HCH	-2.342	21	PASS



HCH

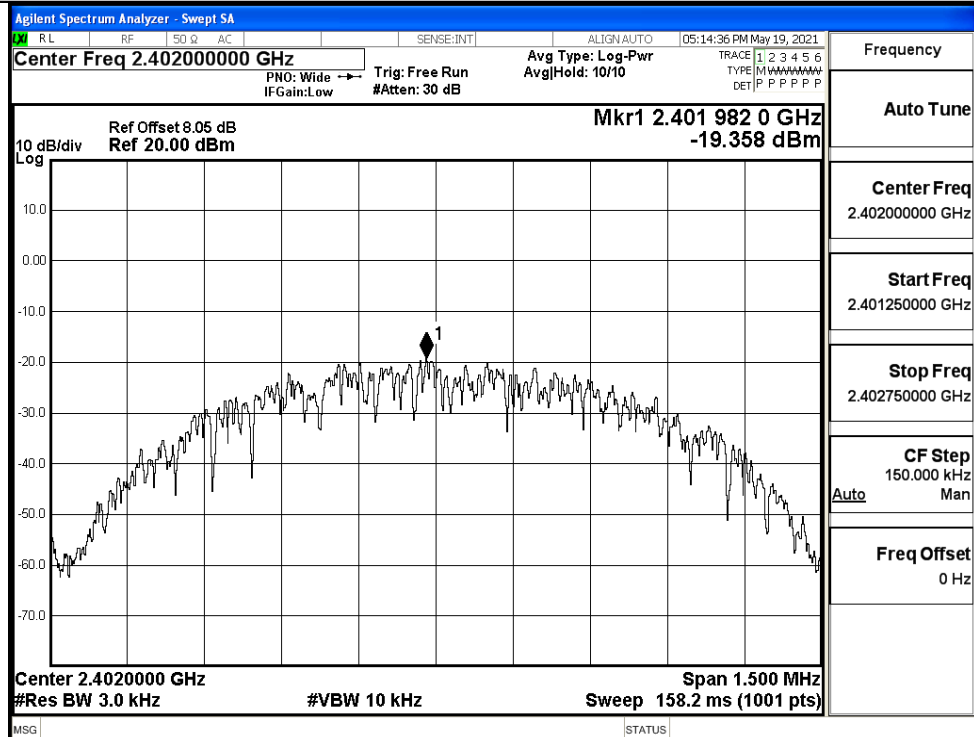


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-19.358	8	PASS
BT LE	MCH	-18.439	8	PASS
BT LE	HCH	-18.454	8	PASS

Test Graphs

LCH

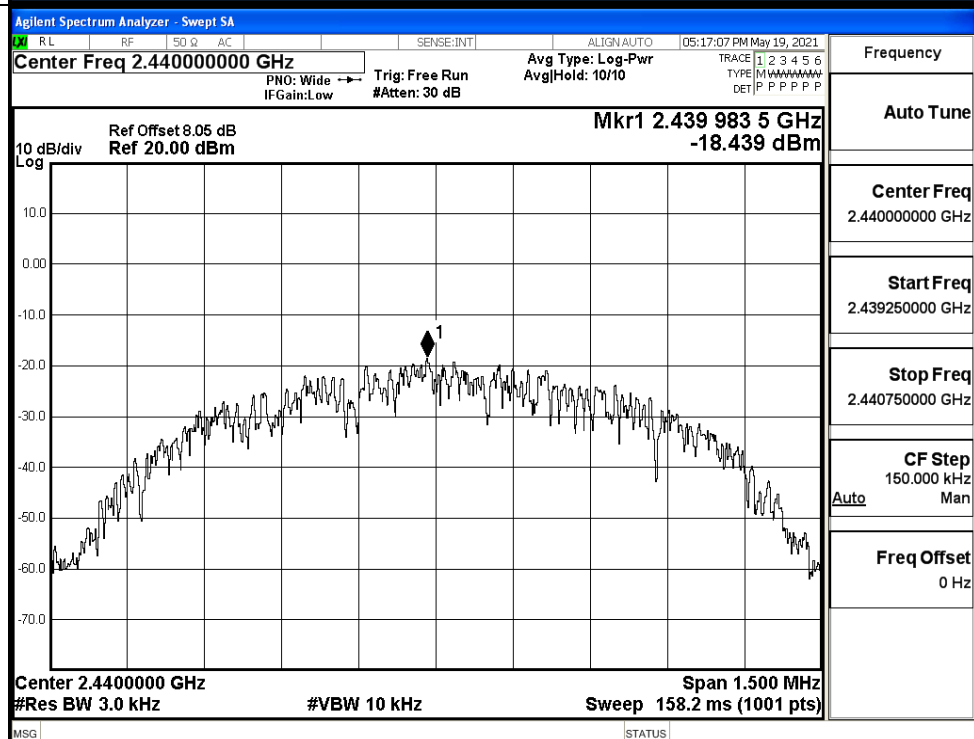


Frequency

Auto Tune

Center Freq
2.402000000 GHzStart Freq
2.401250000 GHzStop Freq
2.402750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

MCH

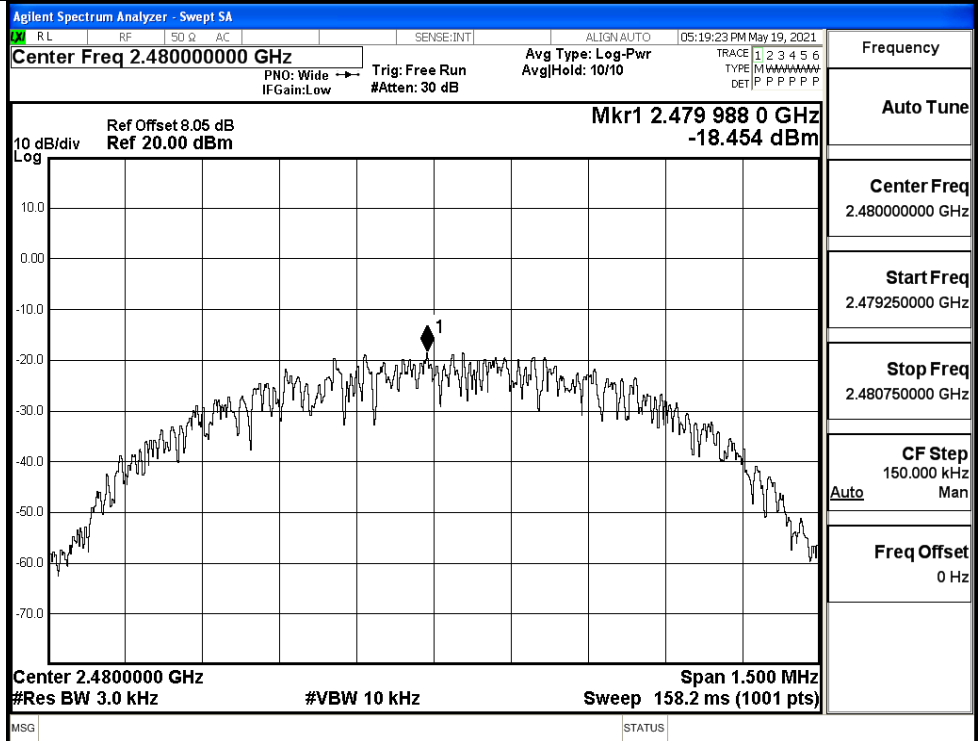


Frequency

Auto Tune

Center Freq
2.440000000 GHzStart Freq
2.439250000 GHzStop Freq
2.440750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

HCH

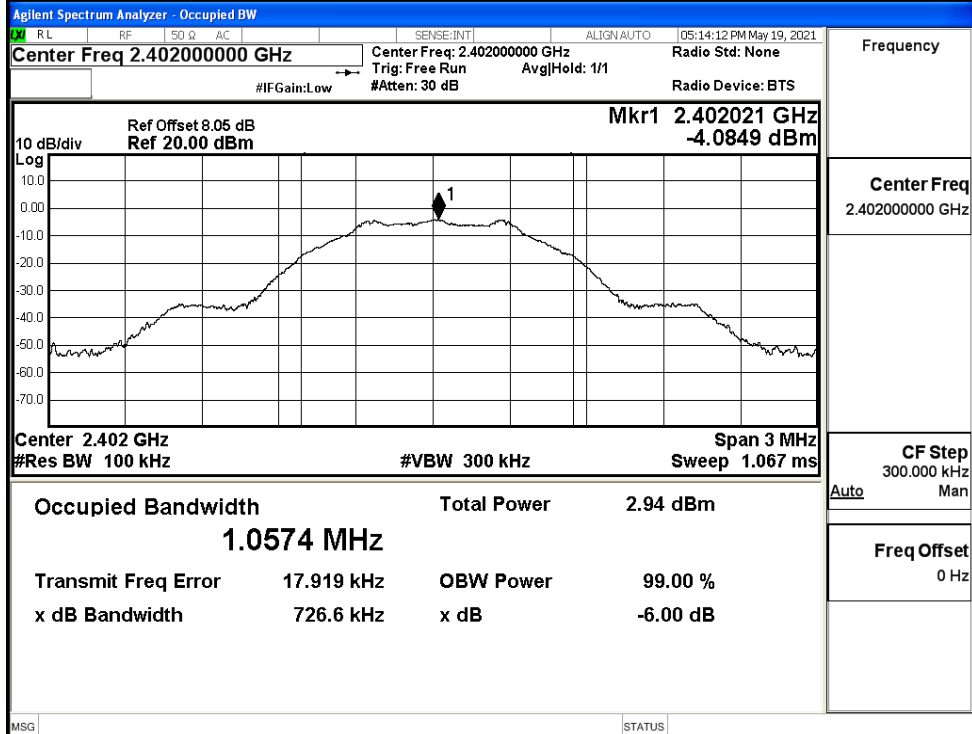


B.4 6dB Bandwidth

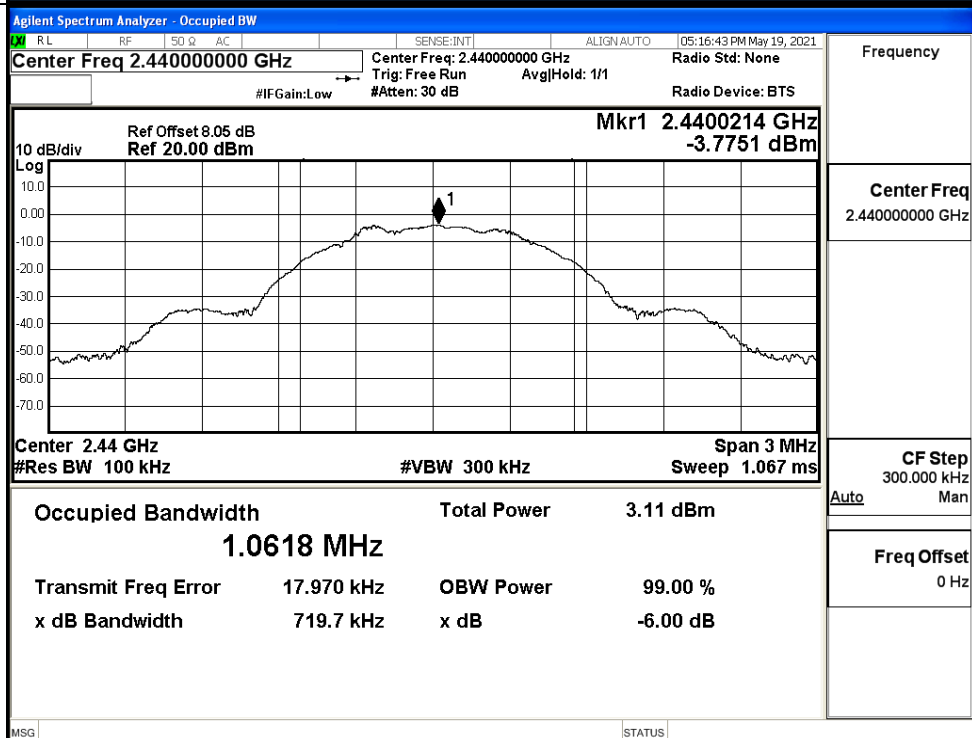
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7266	≥ 0.5	PASS
BT LE	MCH	0.7197	≥ 0.5	PASS
BT LE	HCH	0.7130	≥ 0.5	PASS

Test Graphs

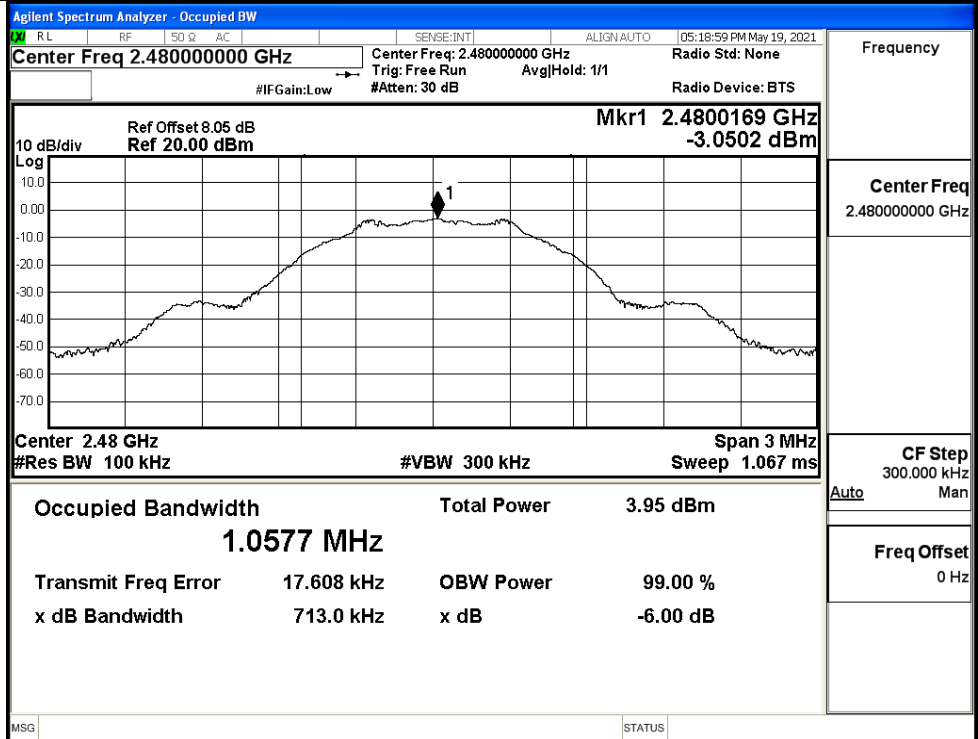
LCH



MCH



HCH

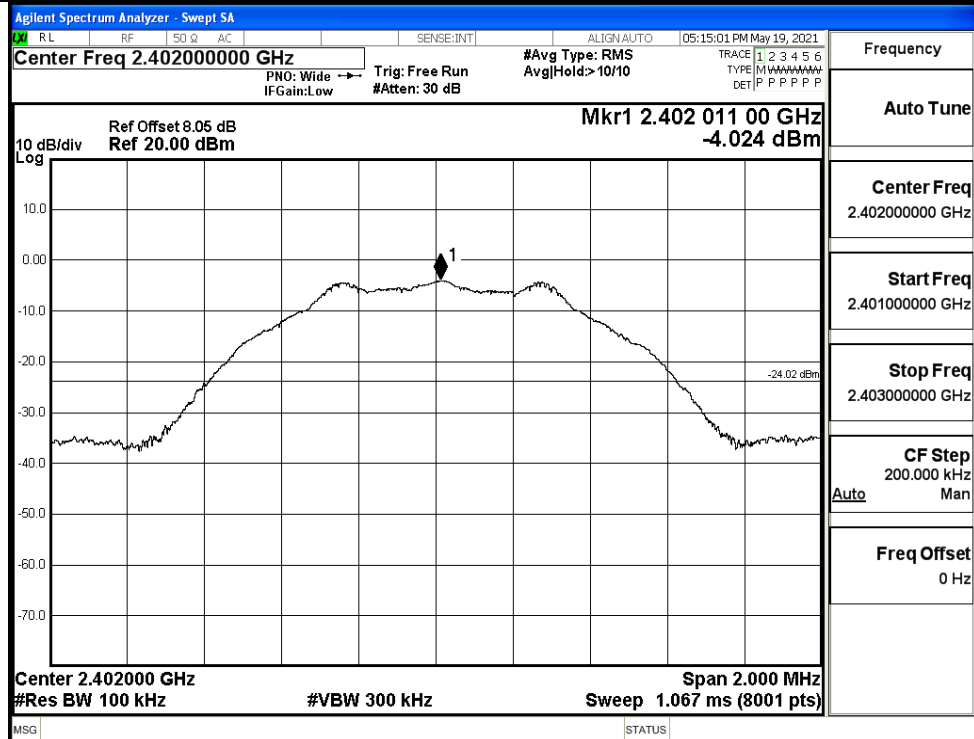


B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.024	-37.200	-24.024	PASS
BT LE	MCH	-3.711	-37.973	-23.711	PASS
BT LE	HCH	-3.067	-37.932	-23.067	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

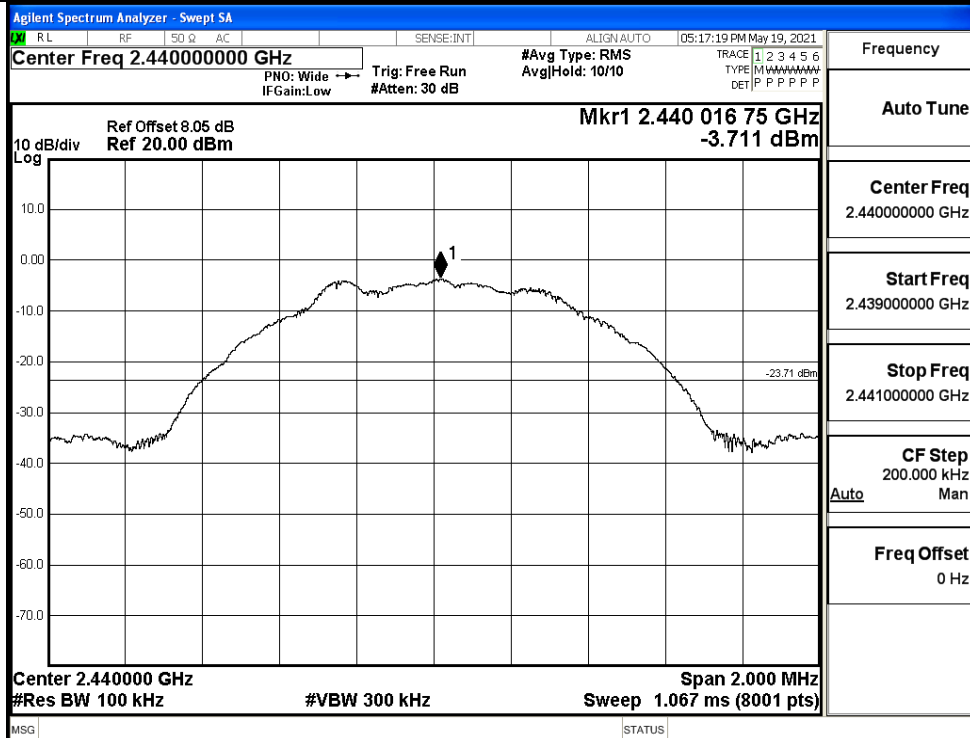


Puw/BT LE/LCH



BT LE MCH Graphs

Pref/BT LE/MCH

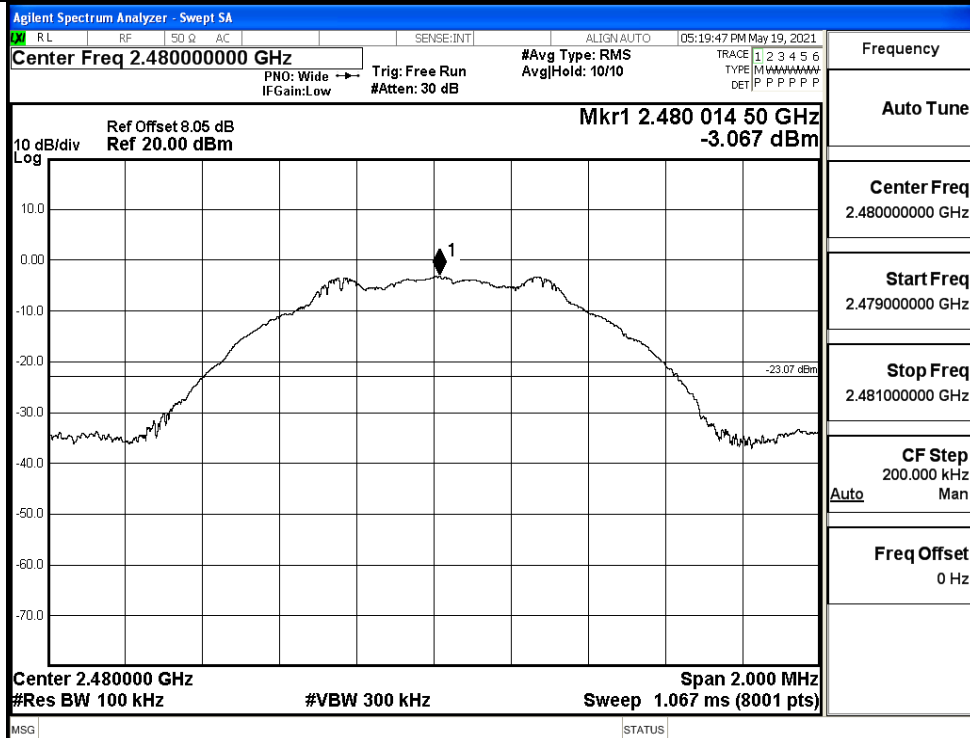


Puw/BT LE/MCH

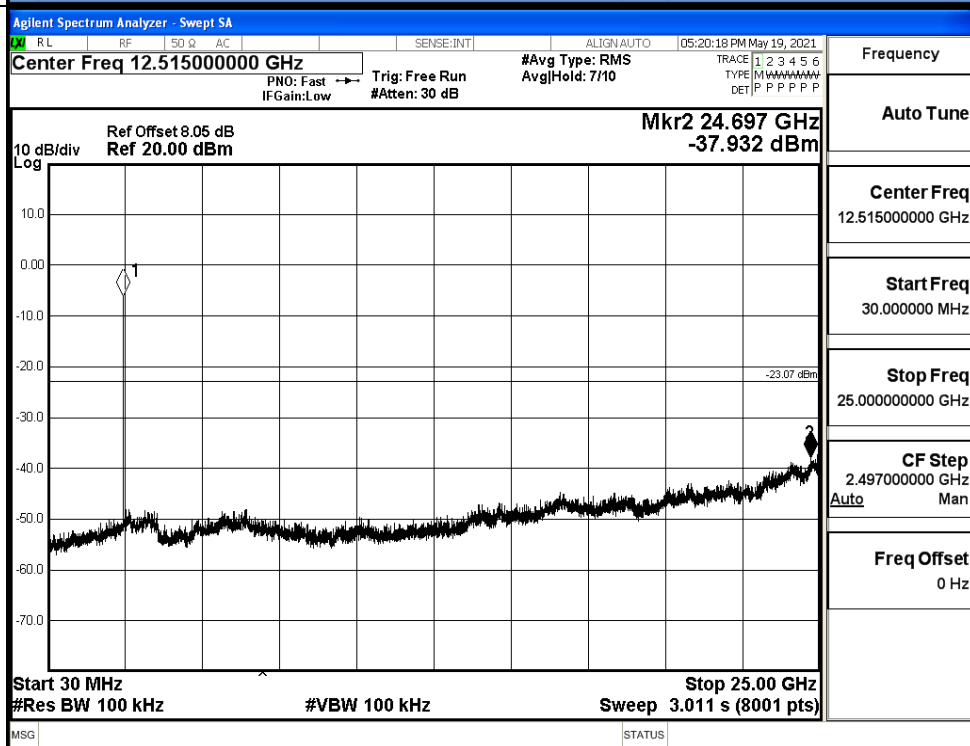


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

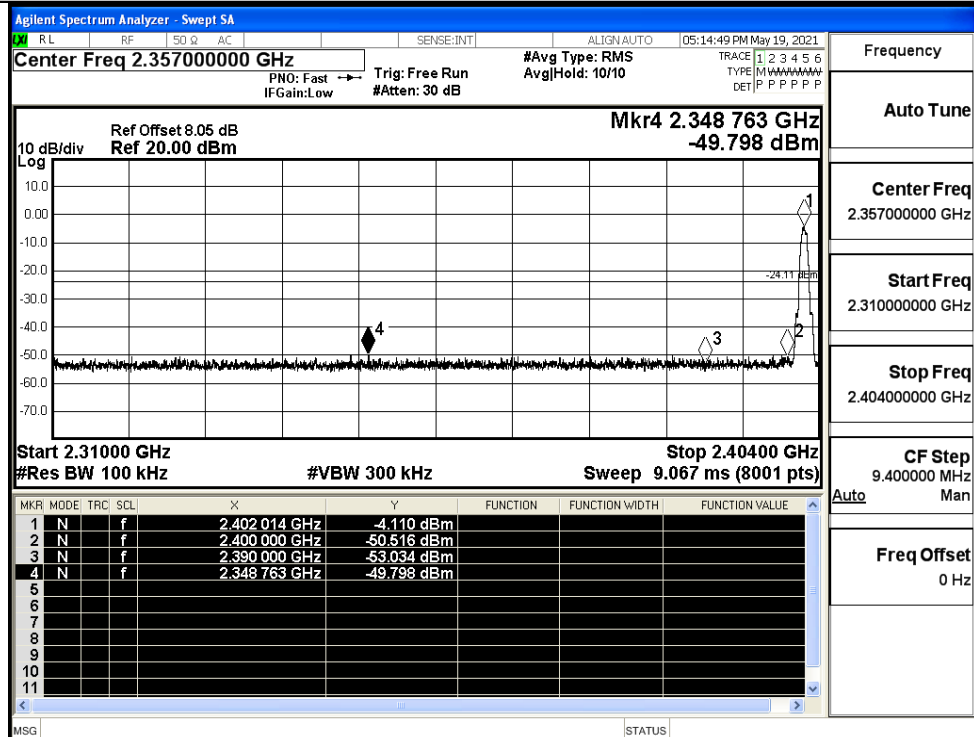


B.6 Band-edge for RF Conducted Emissions

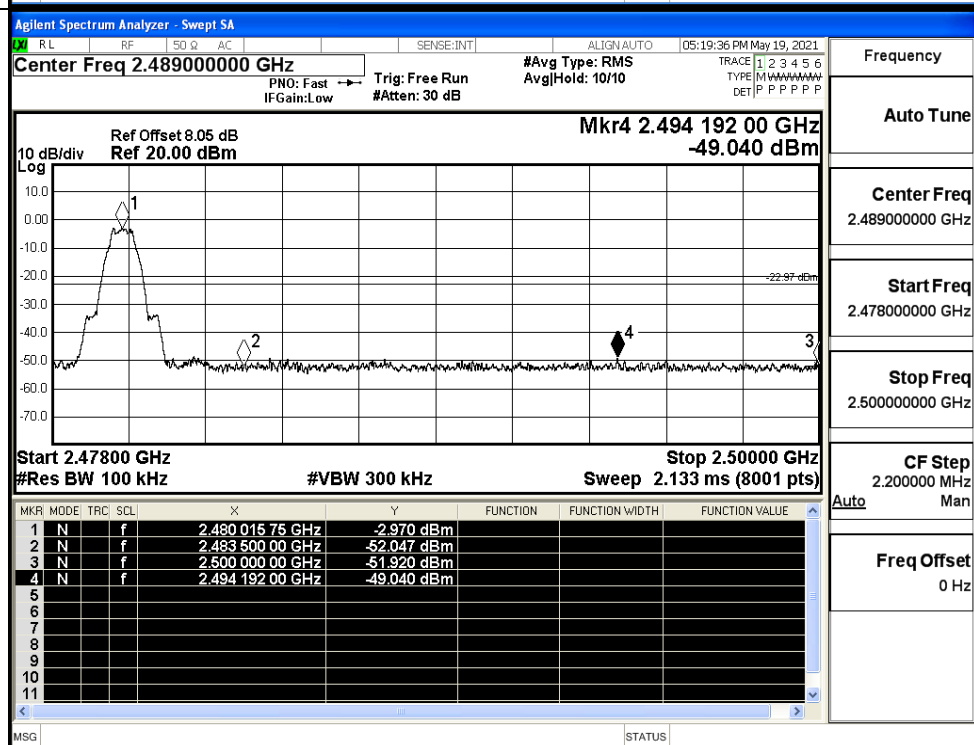
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.110	-49.798	-24.11	PASS
BT LE	HCH	-2.970	-49.040	-22.97	PASS

Test Graphs

LCH



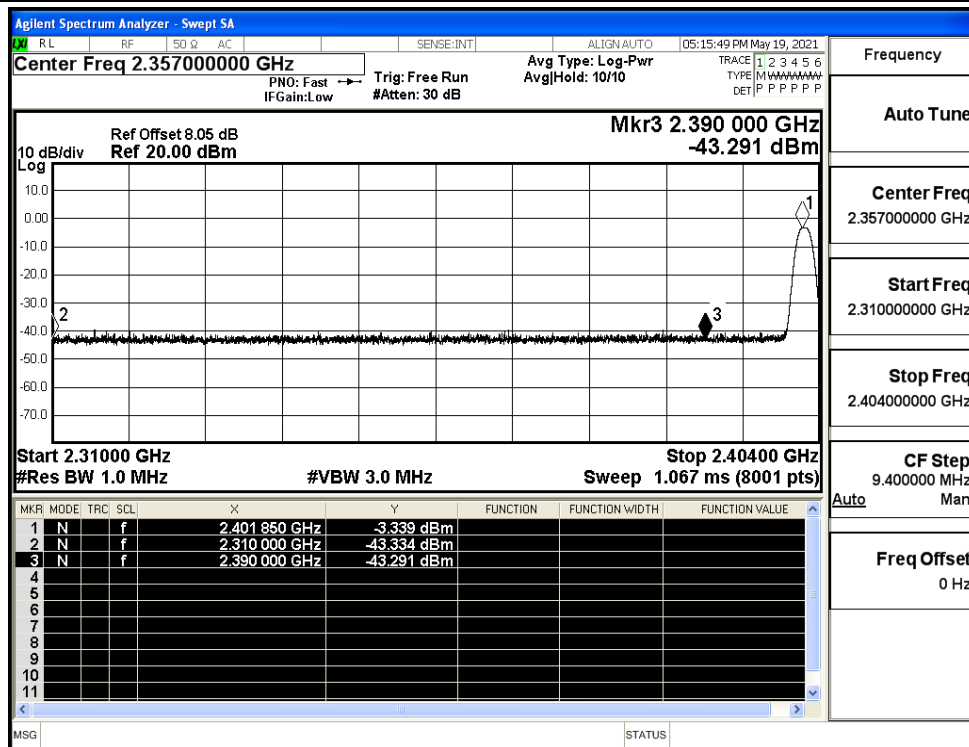
HCH



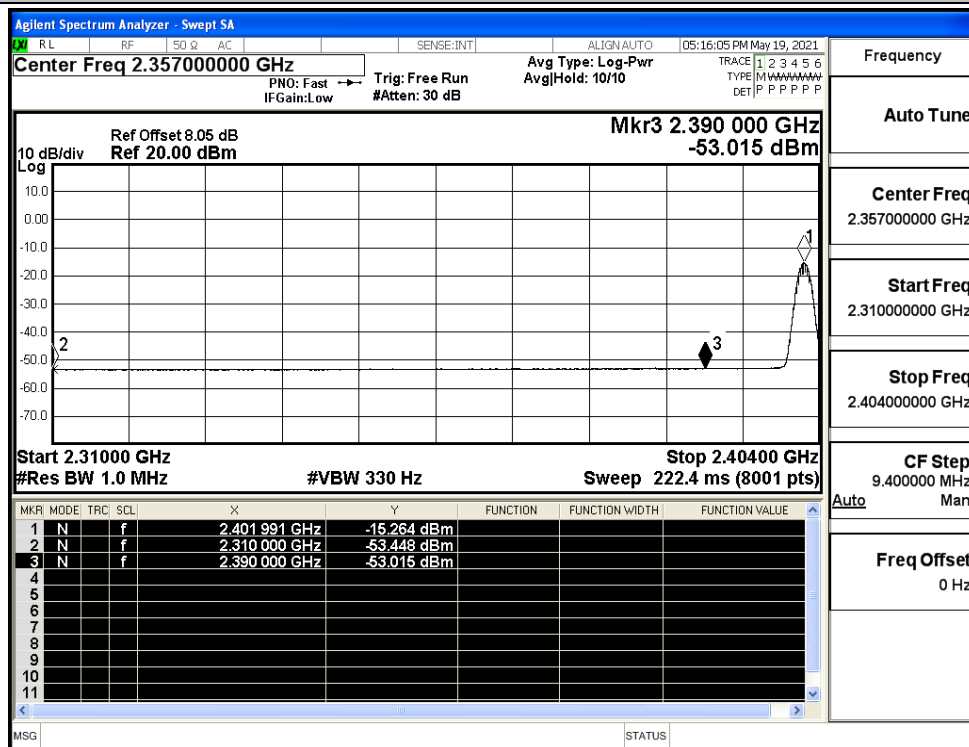
B.7 Restrict-band band-edge measurements

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	-43.33	3.3	0	55.20	PEAK	74	PASS
		Ant1	2310.0	-53.45	3.3	0	45.08	AV	54	PASS
		Ant1	2390.0	-43.29	3.3	0	55.24	PEAK	74	PASS
		Ant1	2390.0	-53.02	3.3	0	45.51	AV	54	PASS
	2480	Ant1	2483.5	-43.25	3.3	0	55.28	PEAK	74	PASS
		Ant1	2483.5	-52.43	3.3	0	46.10	AV	54	PASS
		Ant1	2500.0	-42.14	3.3	0	56.39	PEAK	74	PASS
		Ant1	2500.0	-52.39	3.3	0	46.14	AV	54	PASS

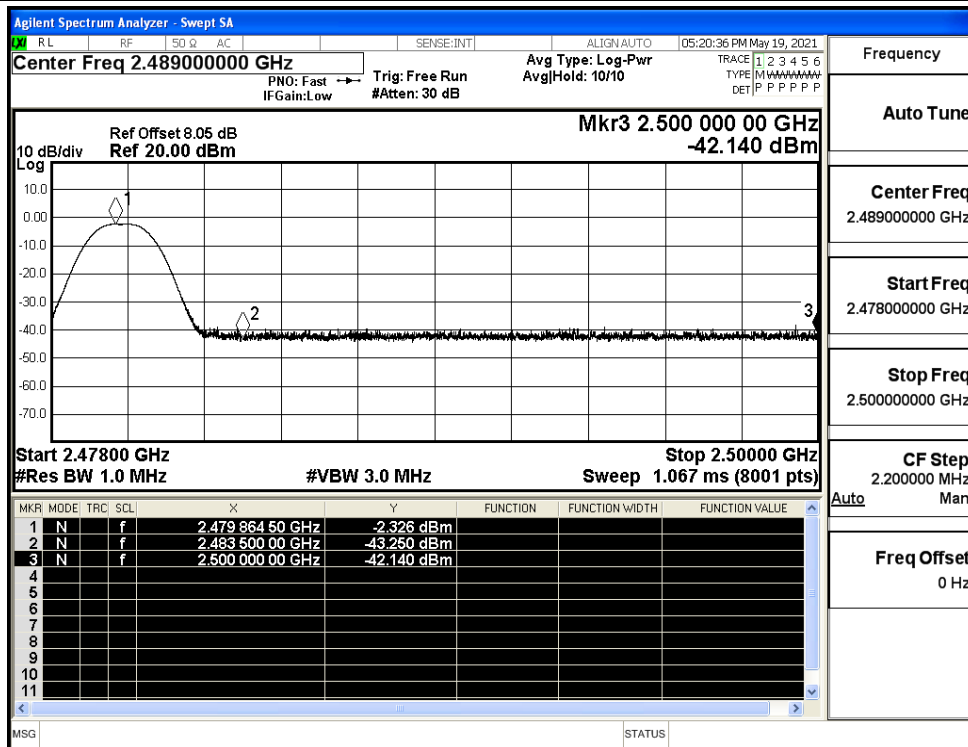
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

