

Appendix B

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

Product Name: Legends Gamer Pro
Trade Mark: N/A
Test Model: HA2802(Legends Gamer Pro)

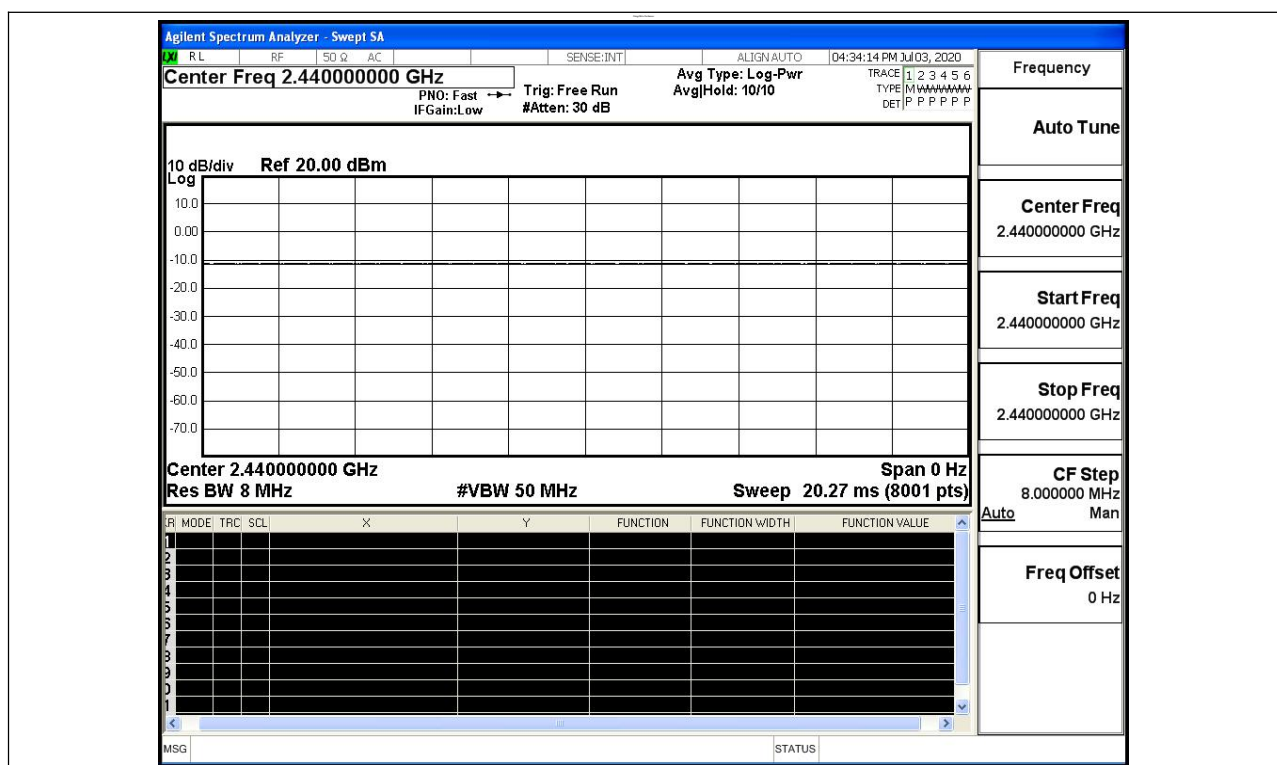
Environmental Conditions

Temperature:	24.3° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

B.1 Duty Cycle

ANT2:

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



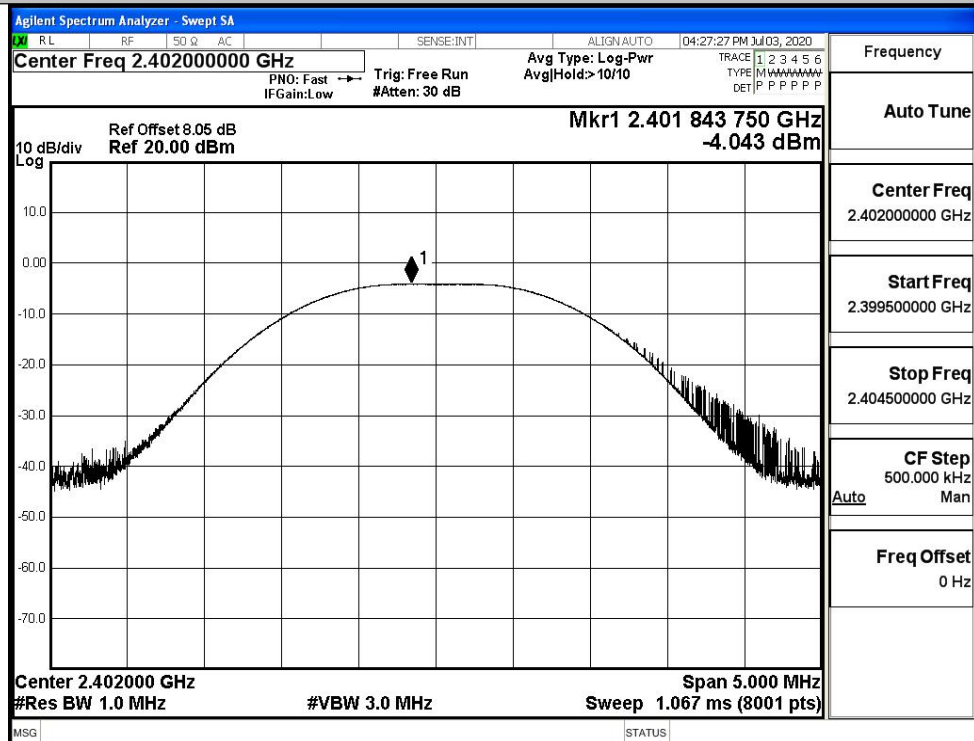
B.2 Maximum Conducted Peak Output Power

ANT2:

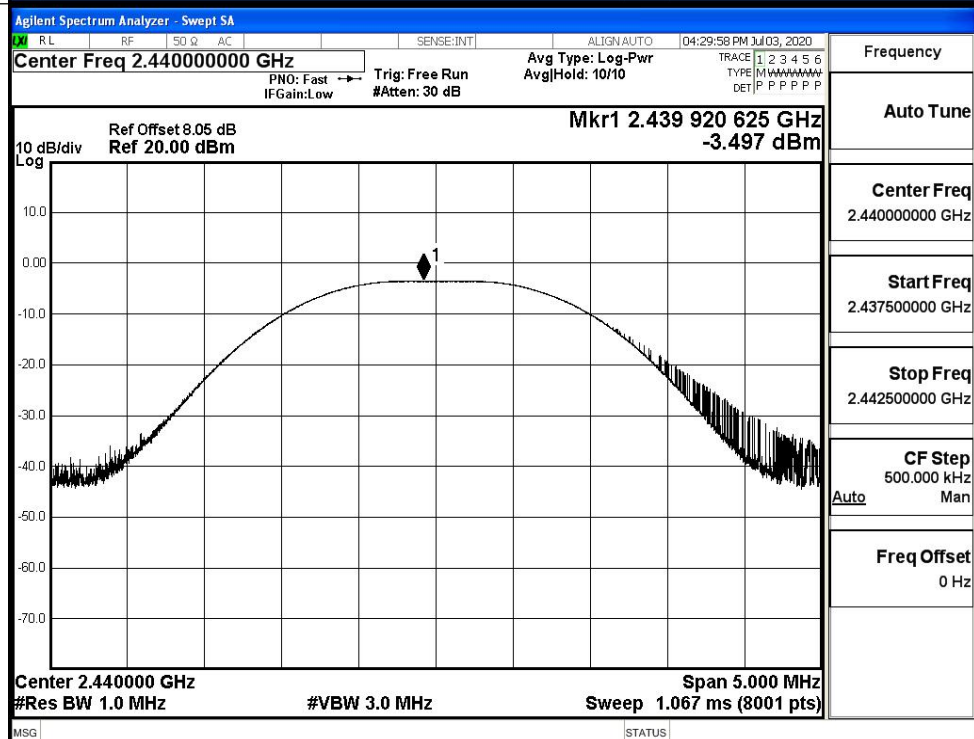
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.043	30	PASS
BT LE	MCH	-3.497	30	PASS
BT LE	HCH	-3.783	30	PASS

Test Graphs

LCH



MCH





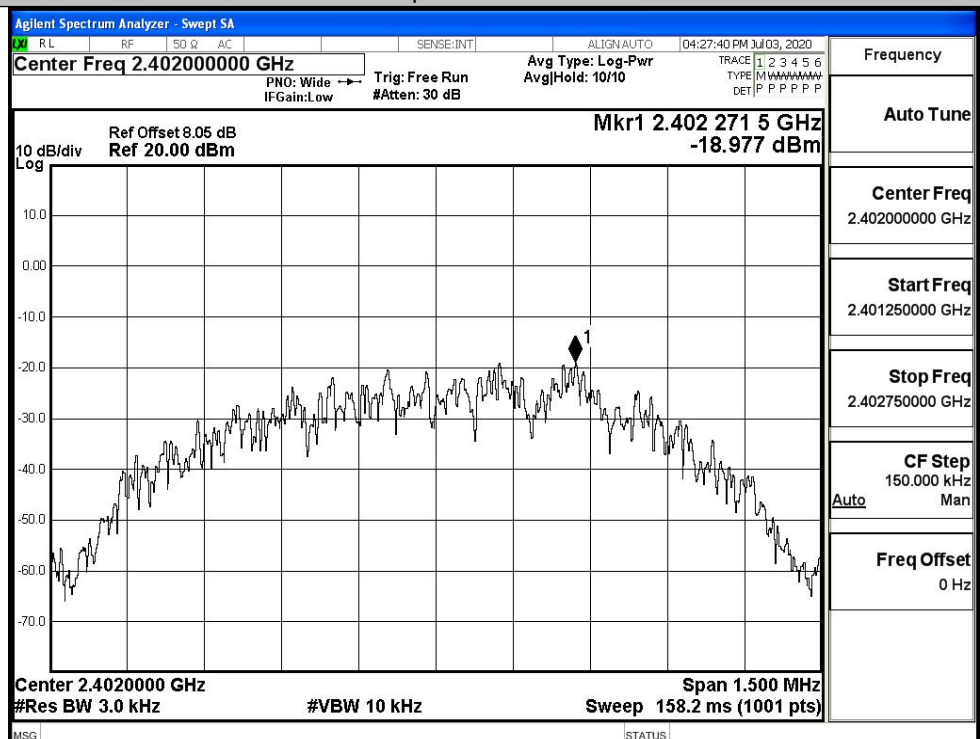
B.3 Maximum Power Spectral Density

ANT2:

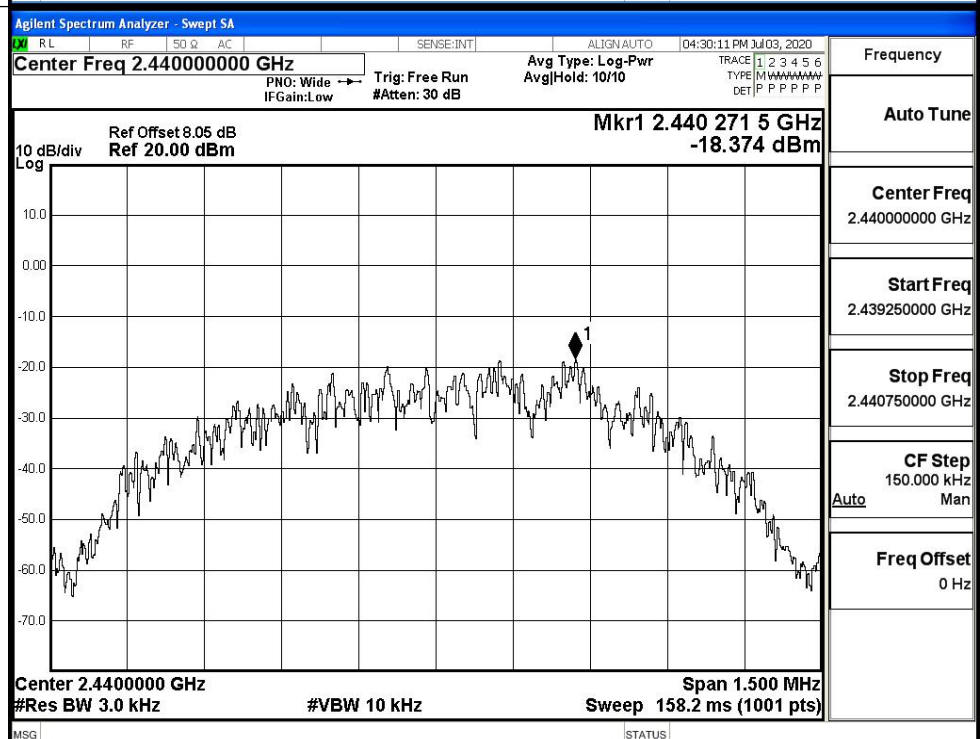
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-18.977	8	PASS
BT LE	MCH	-18.374	8	PASS
BT LE	HCH	-18.842	8	PASS

Test Graphs

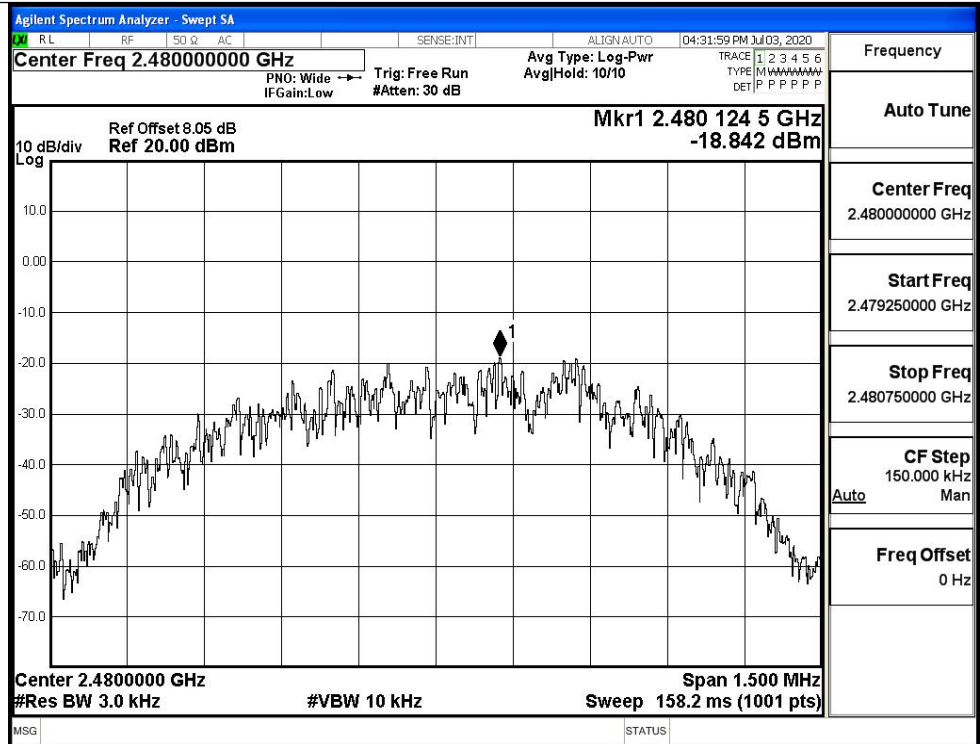
LCH



MCH



HCH



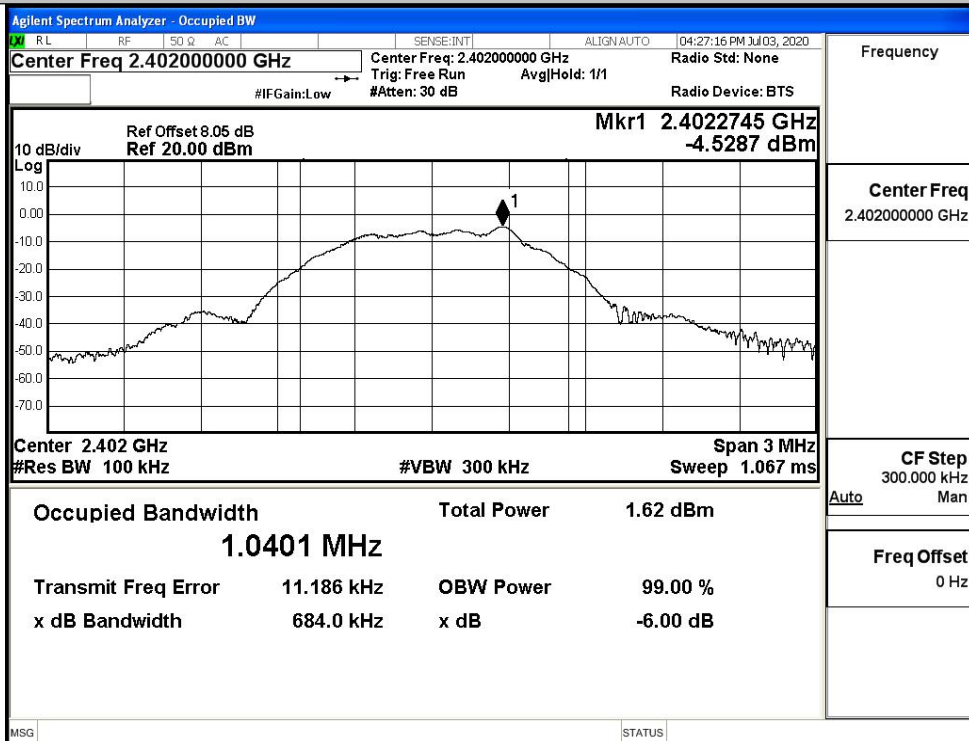
B.4 6dB Bandwidth

ANT2:

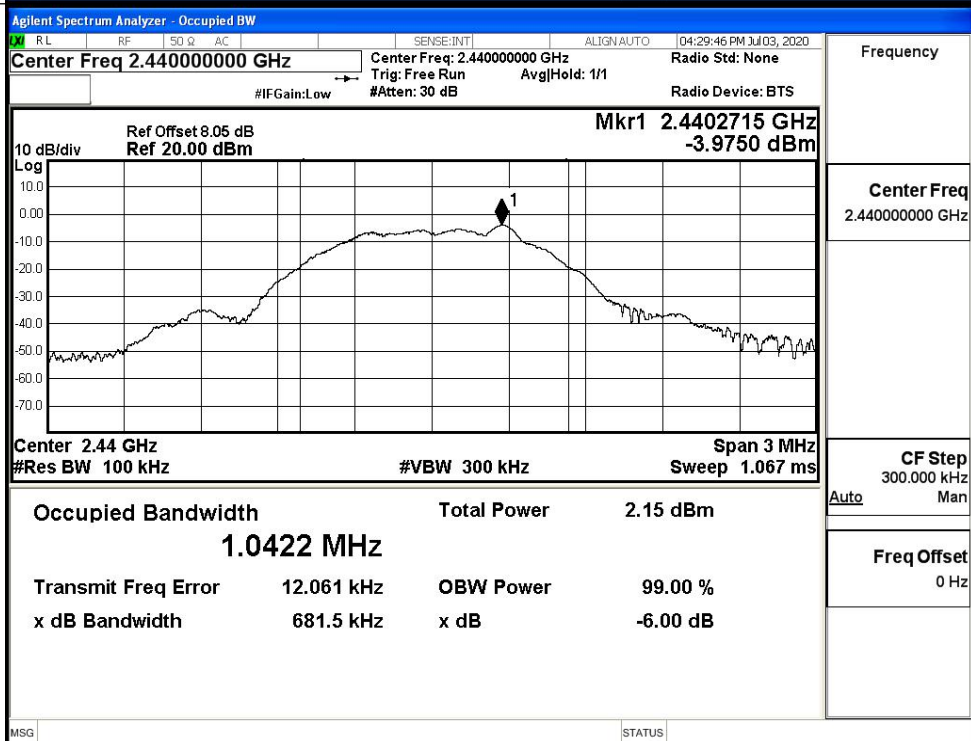
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6840	≥ 0.5	PASS
BT LE	MCH	0.6815	≥ 0.5	PASS
BT LE	HCH	0.6782	≥ 0.5	PASS

Test Graphs

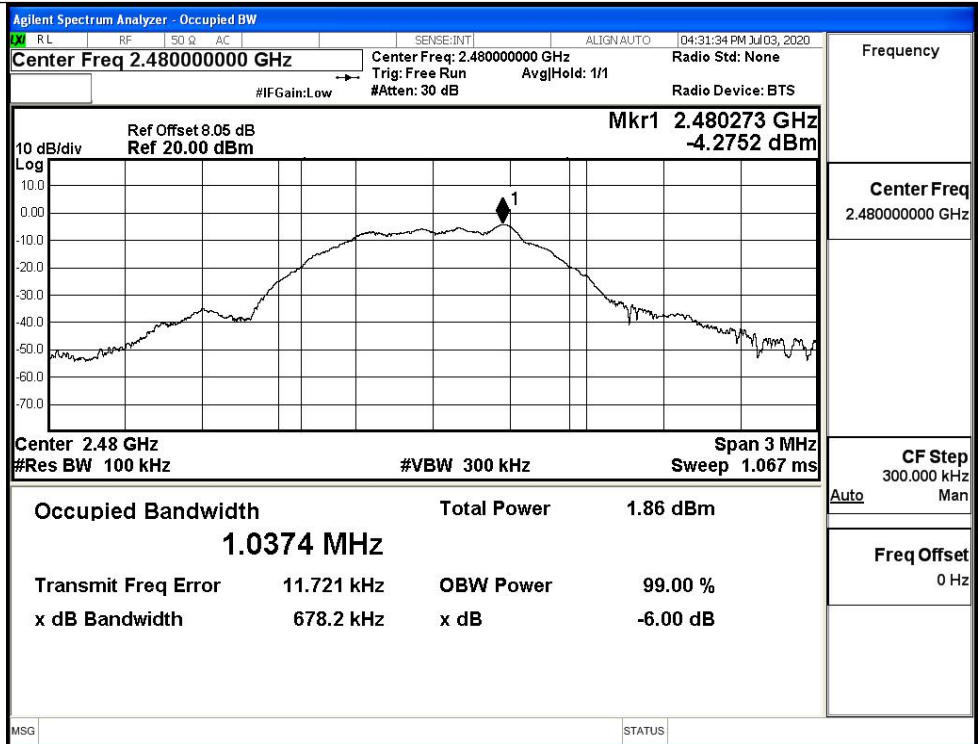
LCH



MCH



HCH



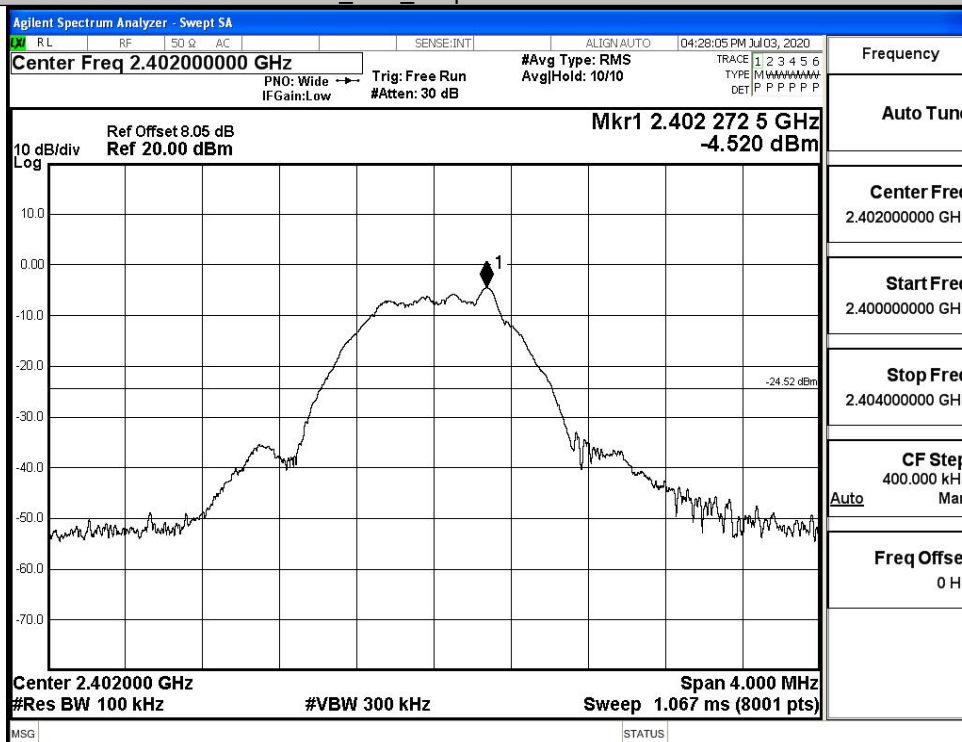
B.5 RF Conducted Spurious Emissions

ANT2:

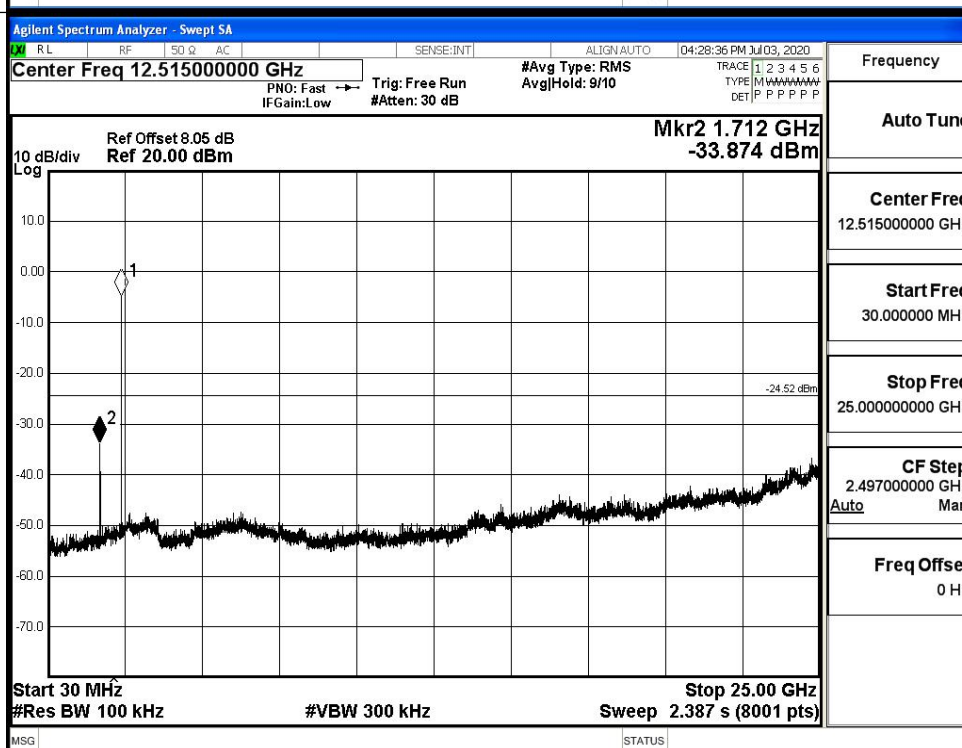
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.52	-33.874	-24.520	PASS
BT LE	MCH	-3.986	-37.095	-23.986	PASS
BT LE	HCH	-4.275	-37.173	-24.275	PASS

BT LE_LCH_Graphs

Pref/BT LE/LCH

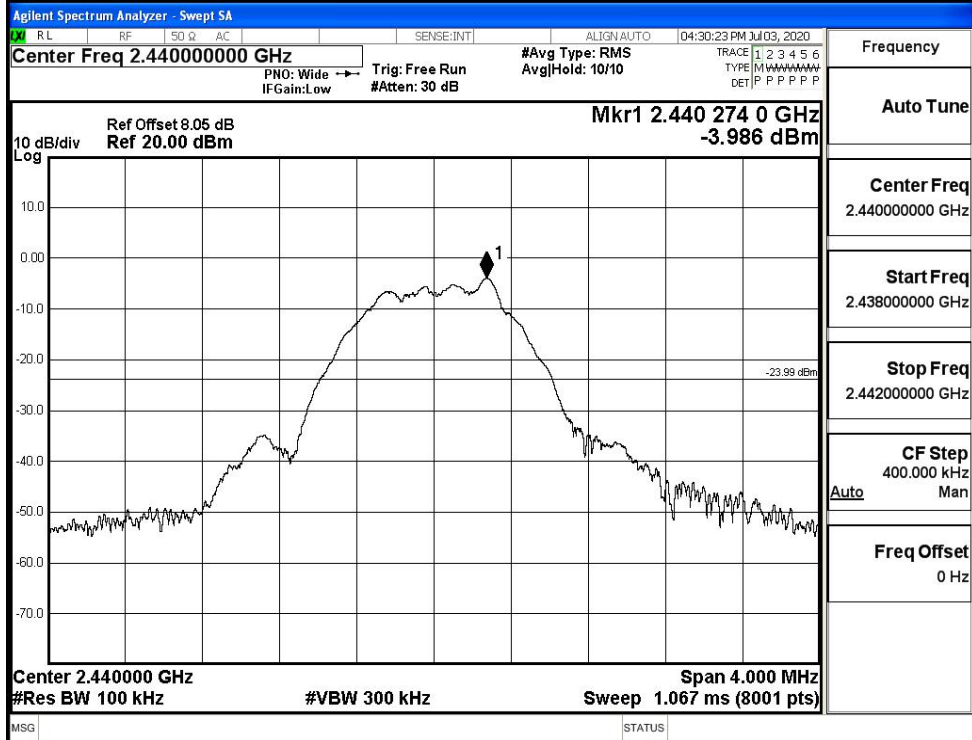


Puw/BT LE/LCH

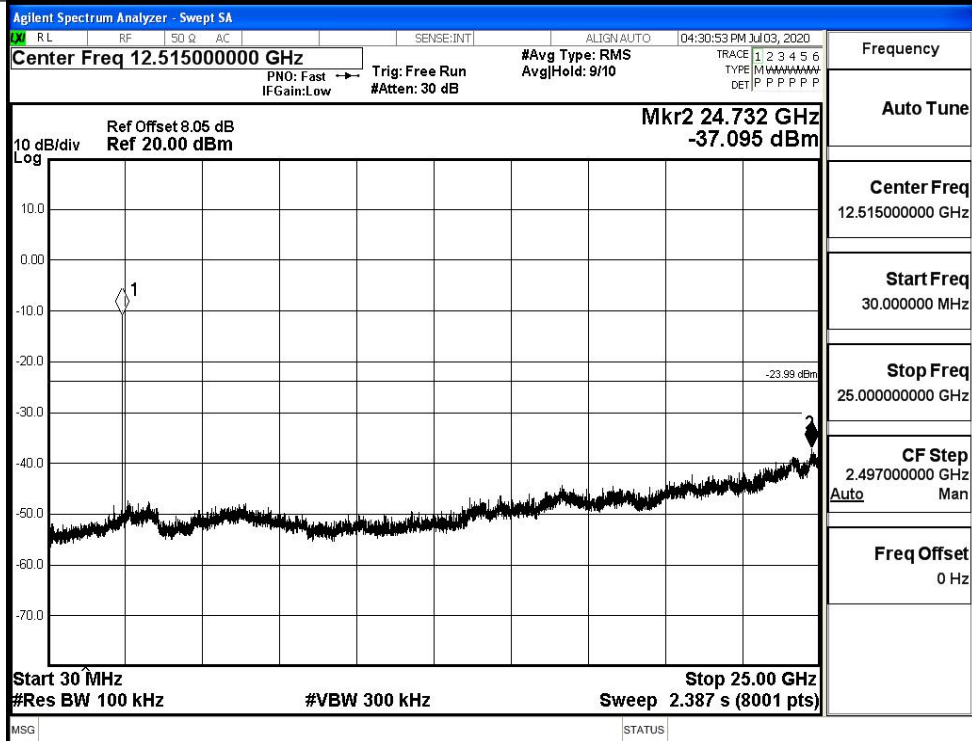


BT LE MCH Graphs

Pref/BT LE/MCH

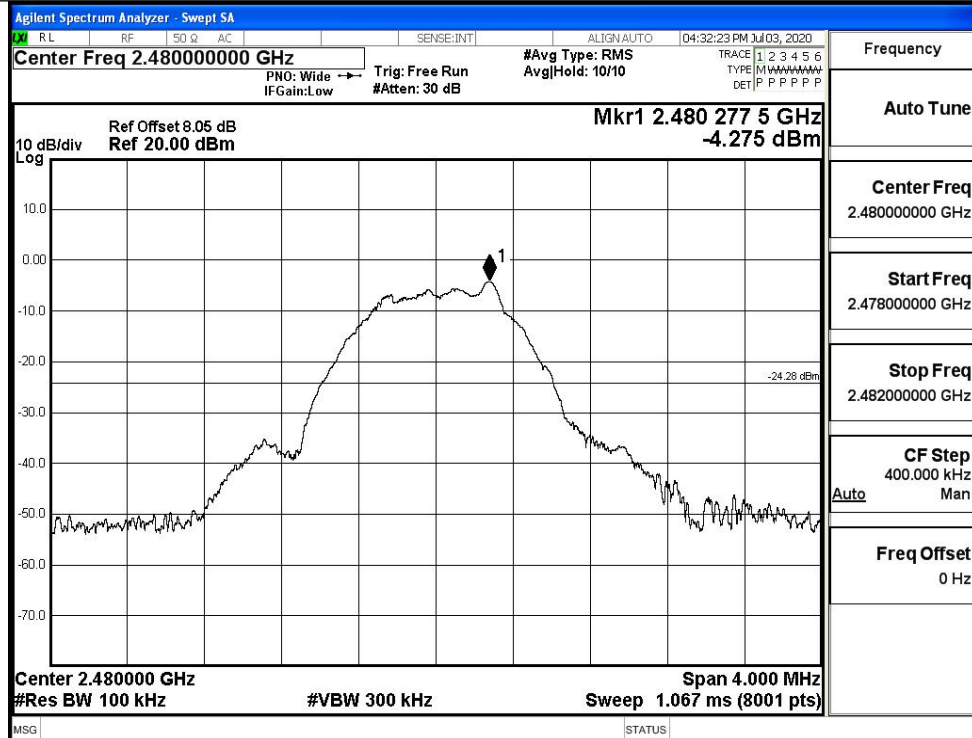


Puw/BT LE/MCH

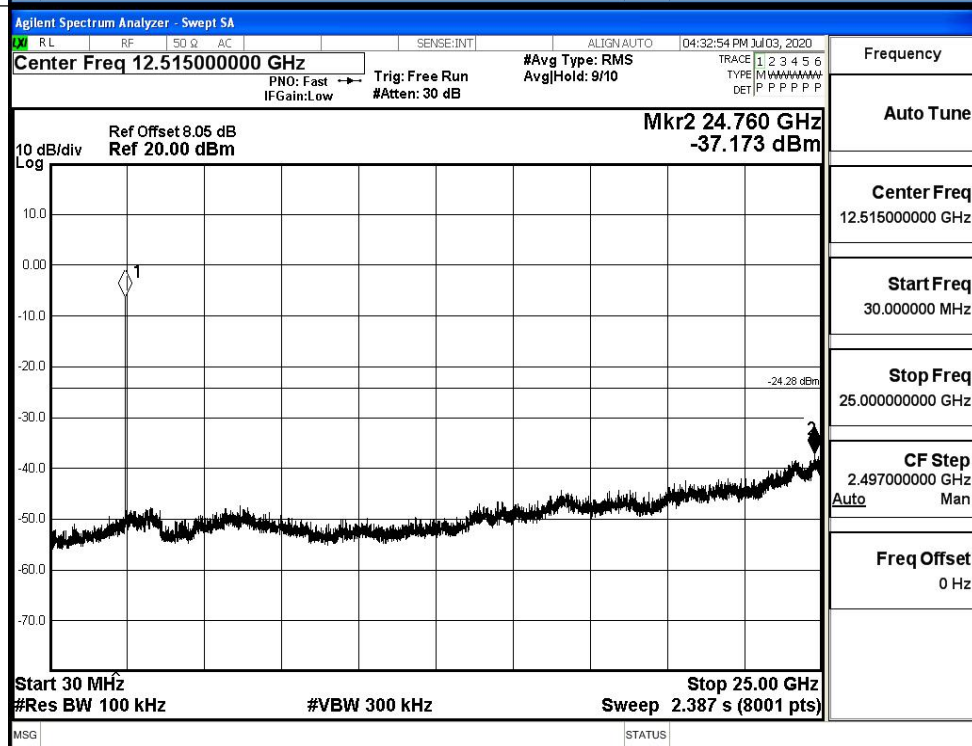


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH



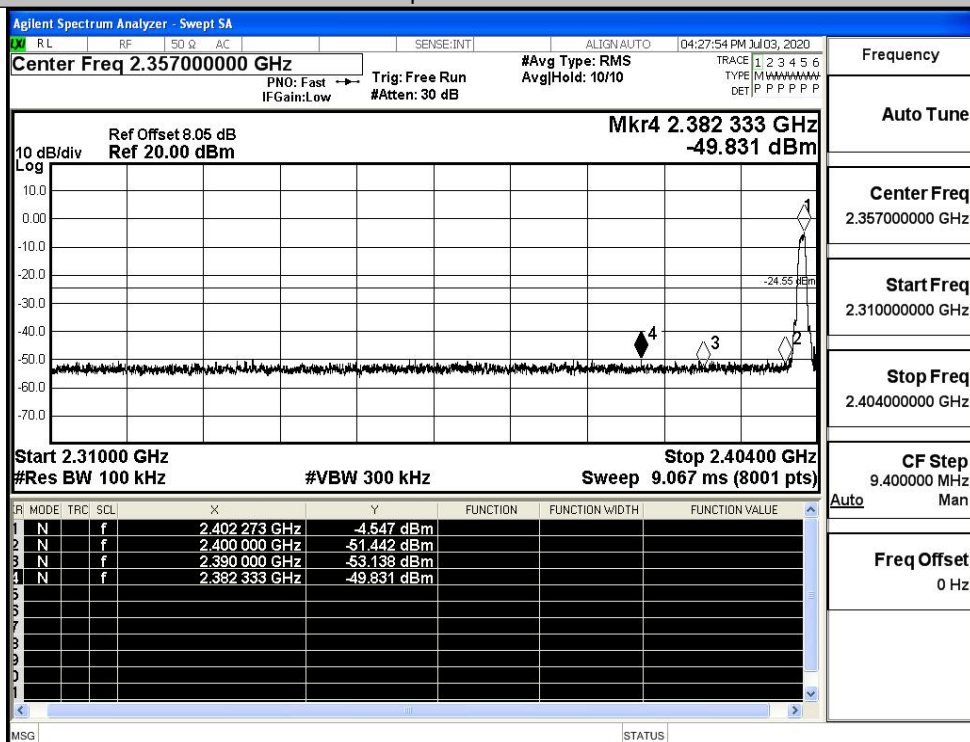
B.6 Band-edge for RF Conducted Emissions

ANT2:

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.547	-49.831	-24.55	PASS
BT LE	HCH	-4.240	-49.596	-24.24	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq
2.357000000 GHz

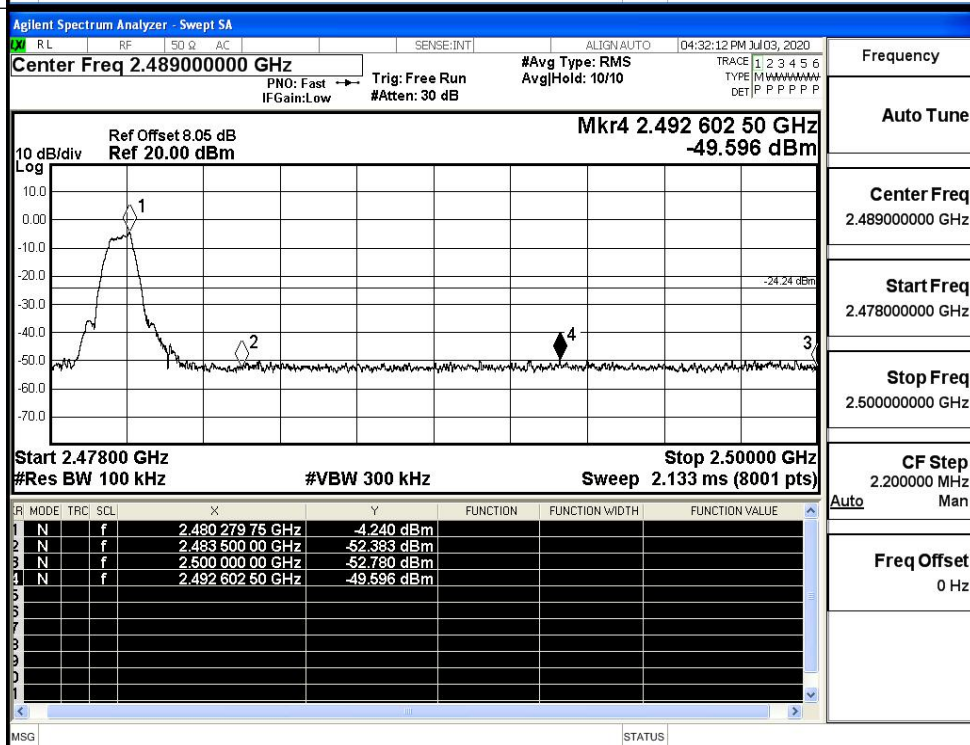
Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz

Freq Offset
0 Hz

HCH



Frequency

Auto Tune

Center Freq
2.489000000 GHz

Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

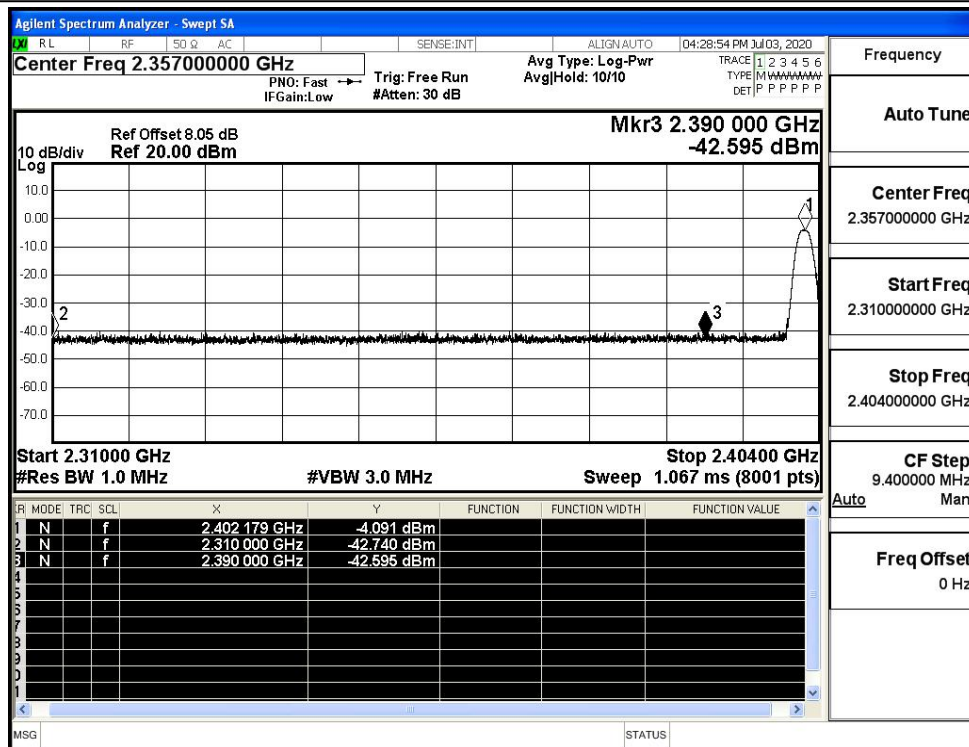
CF Step
2.200000 MHz

Freq Offset
0 Hz

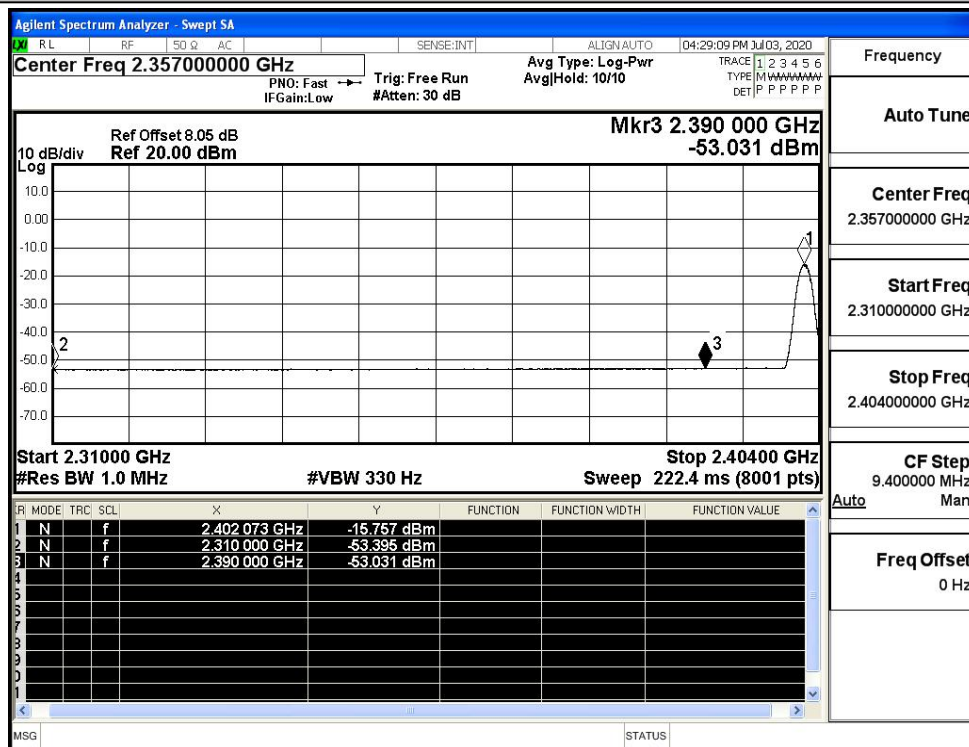
B.7 Restrict-band band-edge measurements**ANT2:**

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	-42.74	2.0	0	54.49	PEAK	74	PASS
		Ant1	2310.0	-53.40	2.0	0	43.83	AV	54	PASS
		Ant1	2390.0	-42.60	2.0	0	54.63	PEAK	74	PASS
		Ant1	2390.0	-53.03	2.0	0	44.2	AV	54	PASS
	2480	Ant1	2483.5	-43.21	2.0	0	54.02	PEAK	74	PASS
		Ant1	2483.5	-52.54	2.0	0	44.69	AV	54	PASS
		Ant1	2500.0	-41.22	2.0	0	56.01	PEAK	74	PASS
		Ant1	2500.0	-52.36	2.0	0	44.87	AV	54	PASS

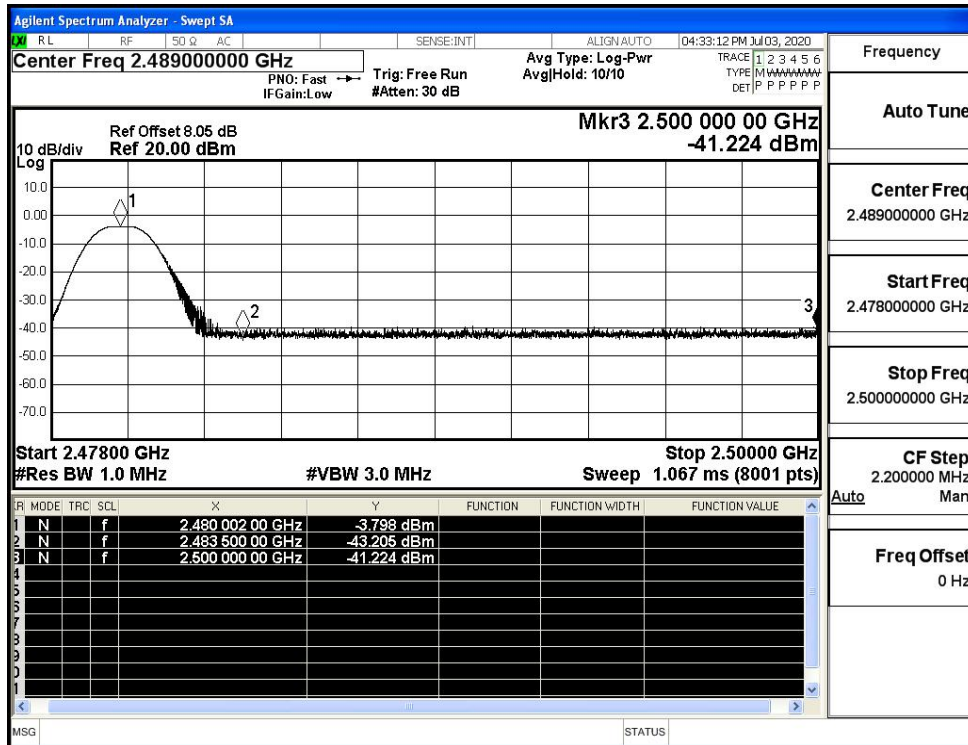
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

