

Appendix B

RF Test Data for BT V4.0(DTS) (Conducted Measurement)

Product Name: Android TV™ Box (GMS)

Trade Mark: RockTek

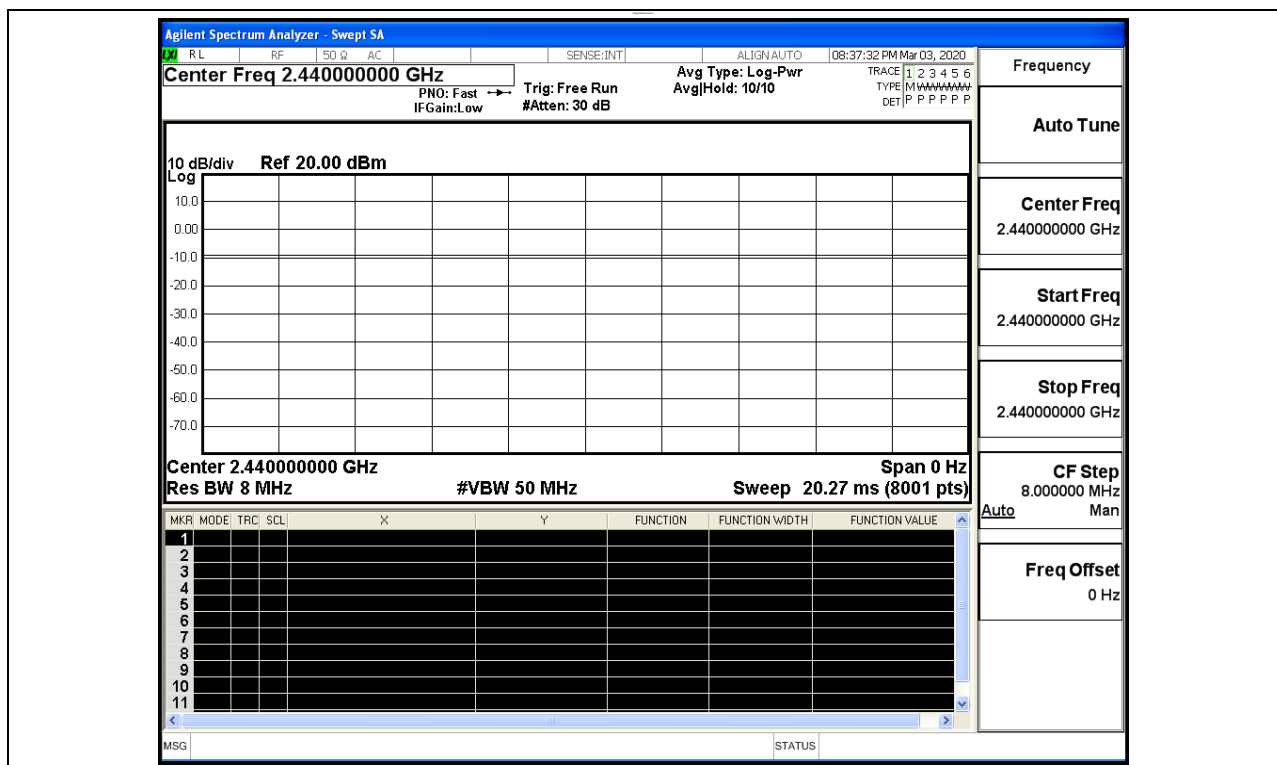
Test Model: RT-G1

Environmental Conditions

Environmental Conditions	
Temperature:	23.9 ° C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Scout Wu
Supervised by:	Tom.Liu

B.1 Duty Cycle

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

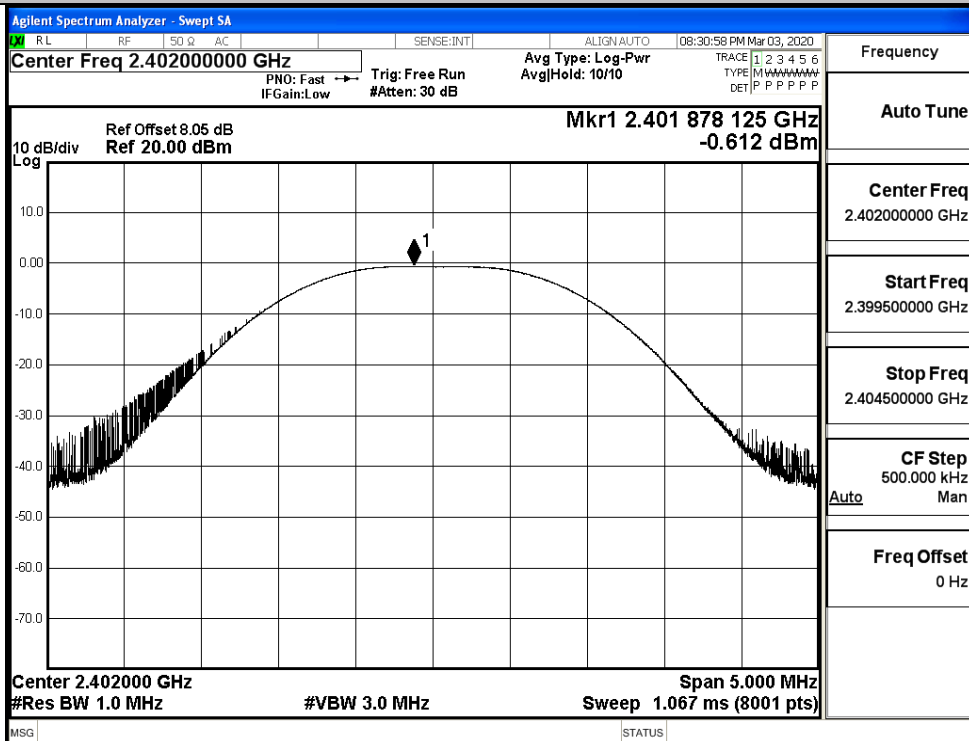


B.2 Maximum Conducted Peak Output Power

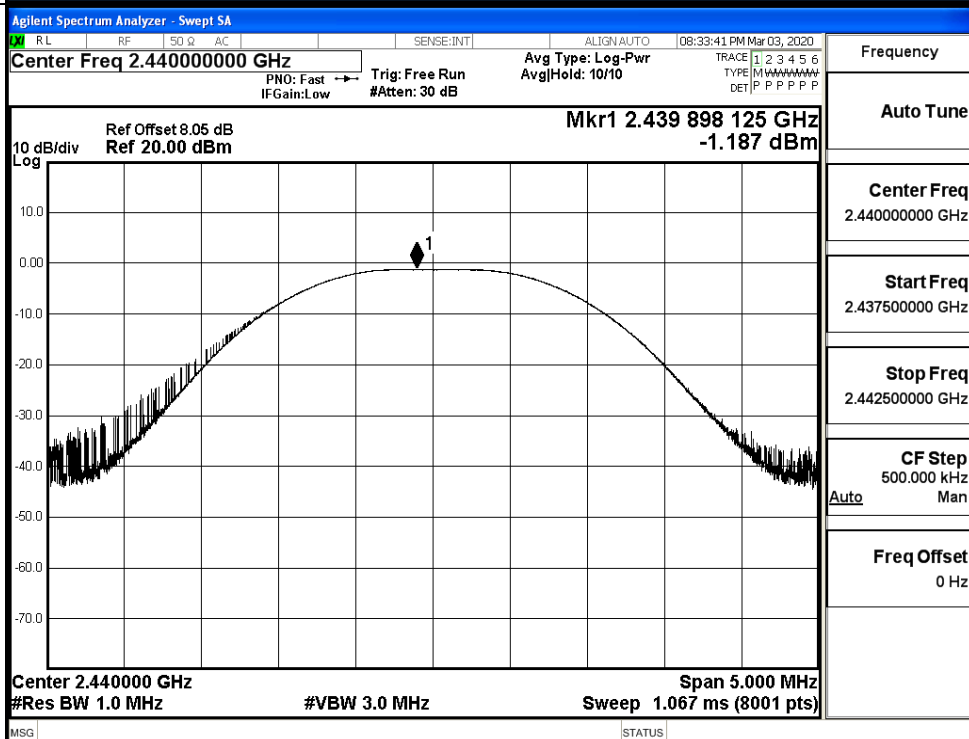
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.612	30	PASS
BT LE	MCH	-1.187	30	PASS
BT LE	HCH	-2.814	30	PASS

Test Graphs

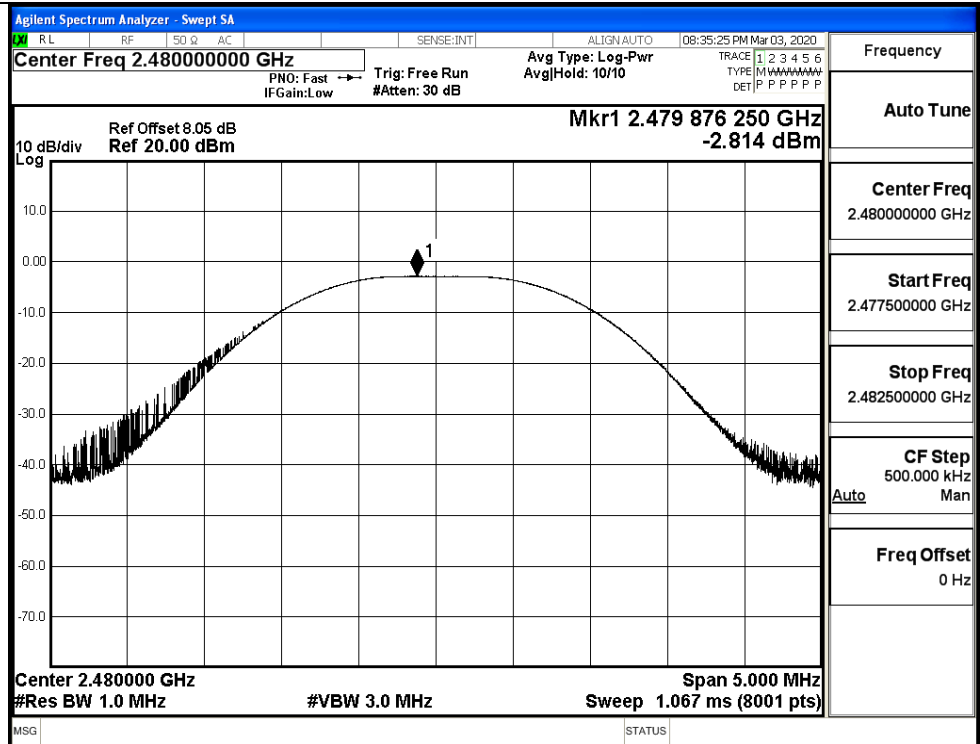
LCH



MCH



HCH

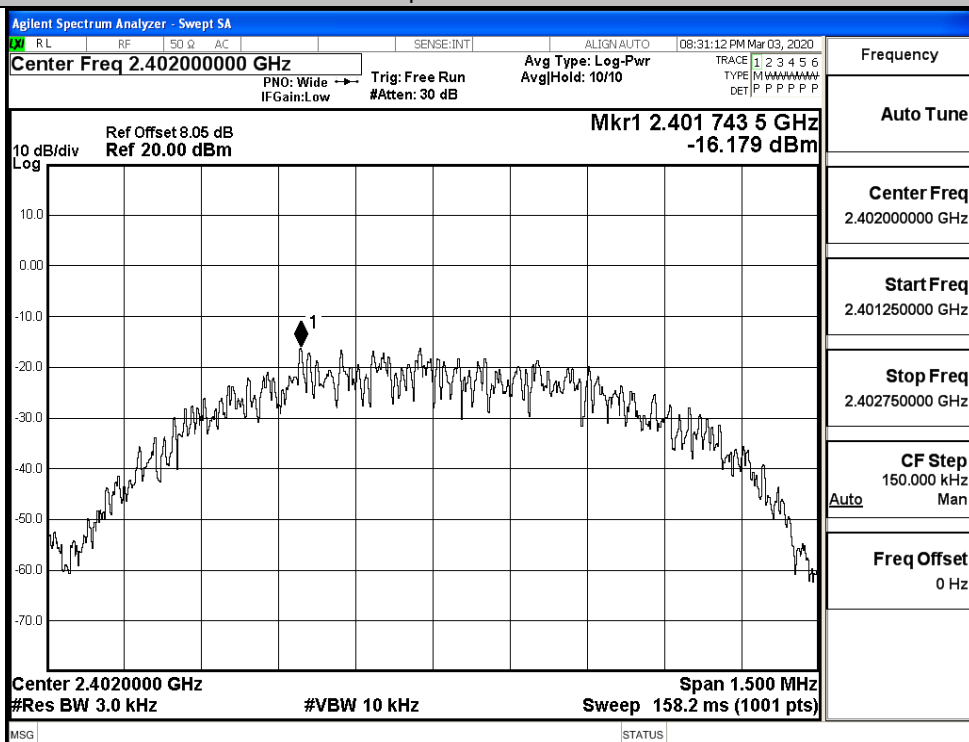


B.3 Maximum Power Spectral Density

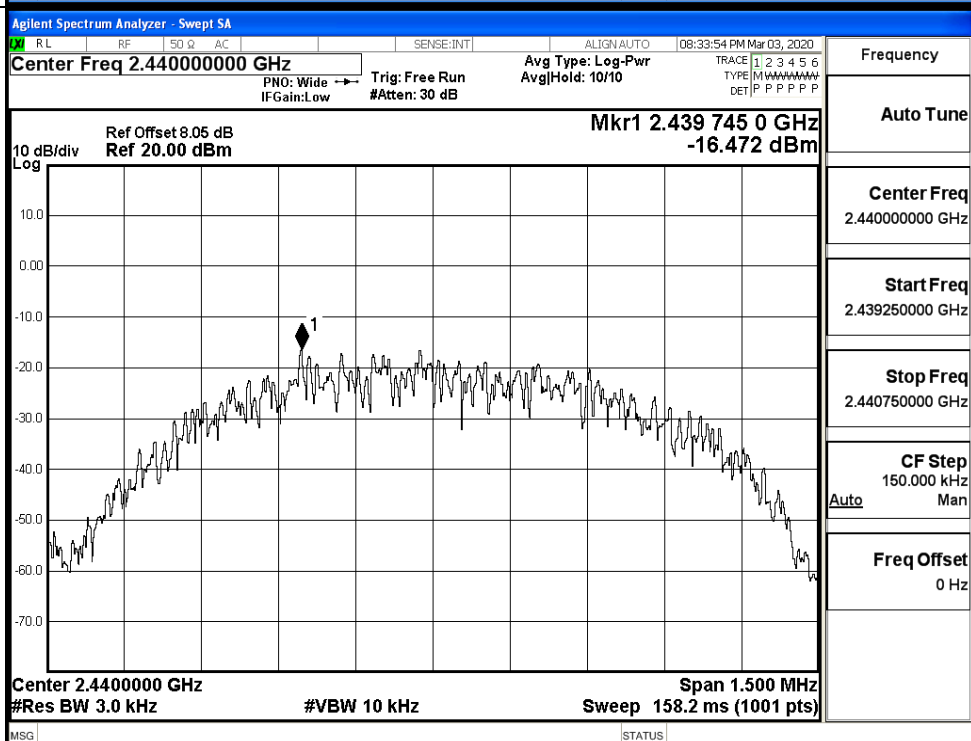
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.179	8	PASS
BT LE	MCH	-16.472	8	PASS
BT LE	HCH	-18.221	8	PASS

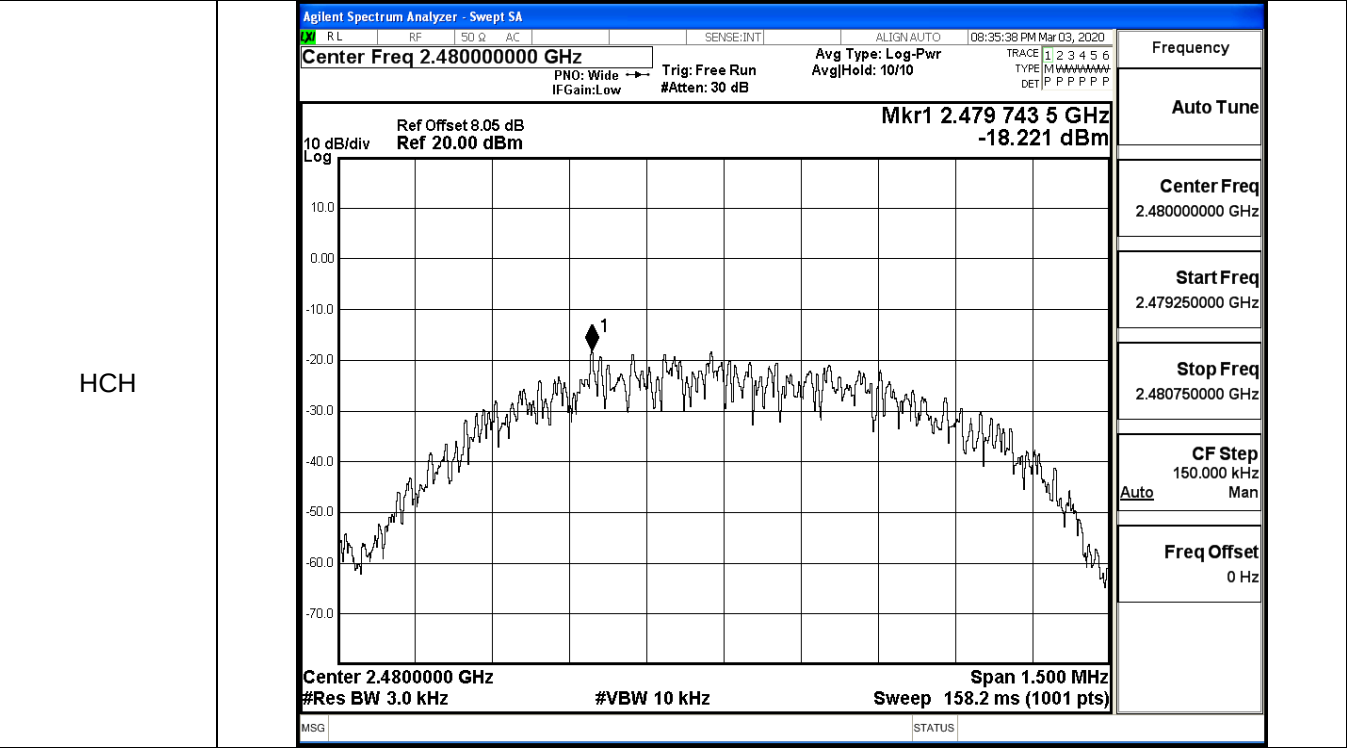
Test Graphs

LCH



MCH



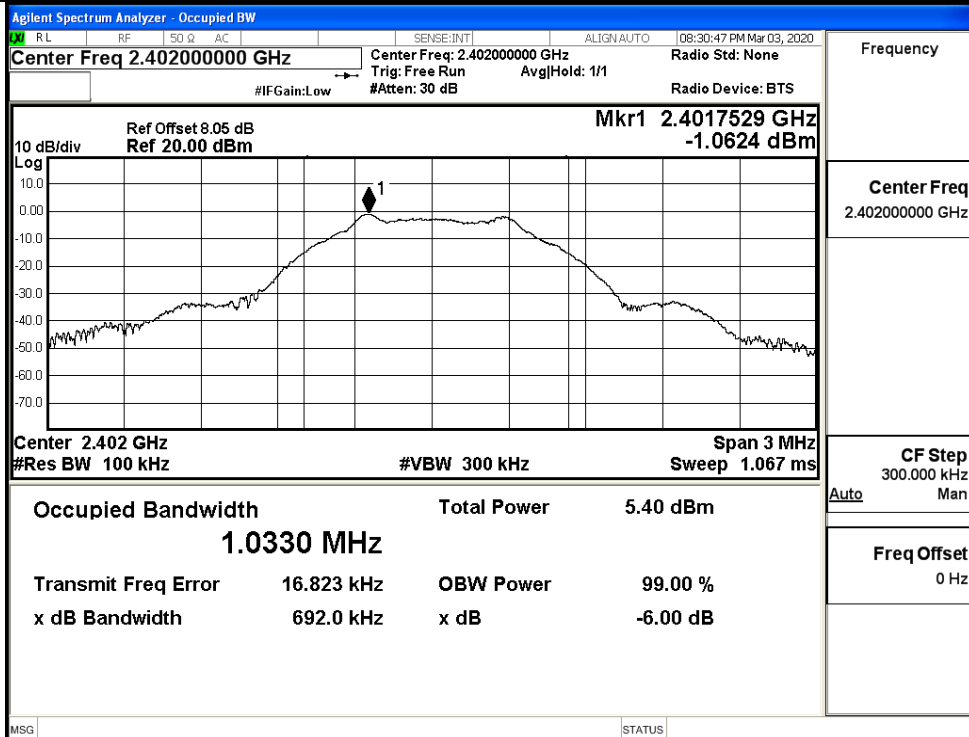


B.4 6dB Bandwidth

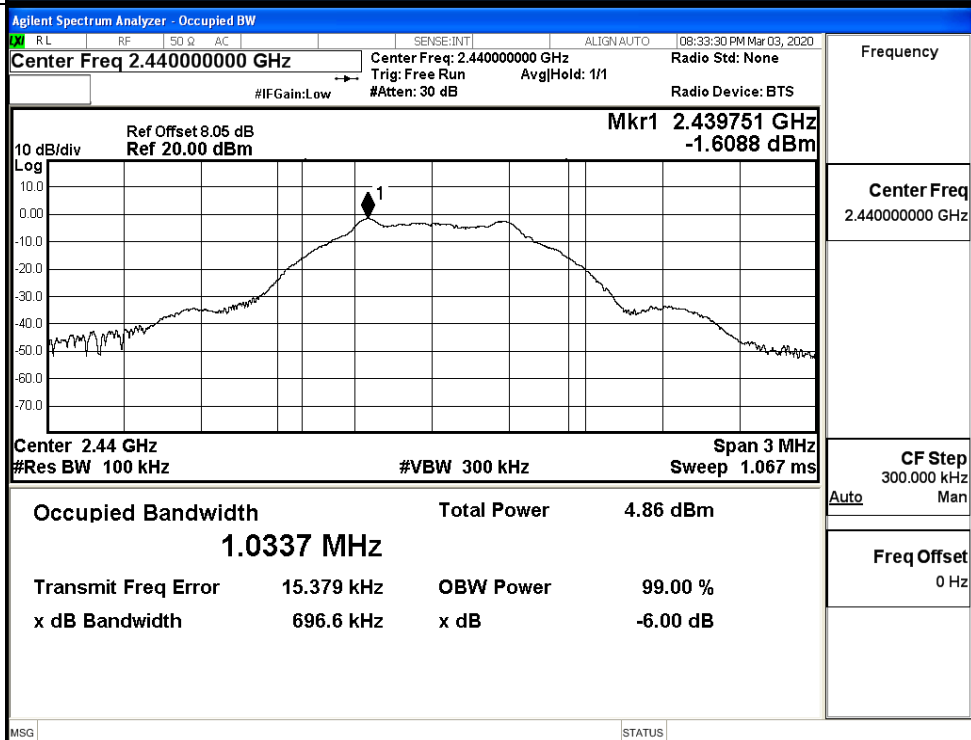
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6920	≥ 0.5	PASS
BT LE	MCH	0.6966	≥ 0.5	PASS
BT LE	HCH	0.6851	≥ 0.5	PASS

Test Graphs

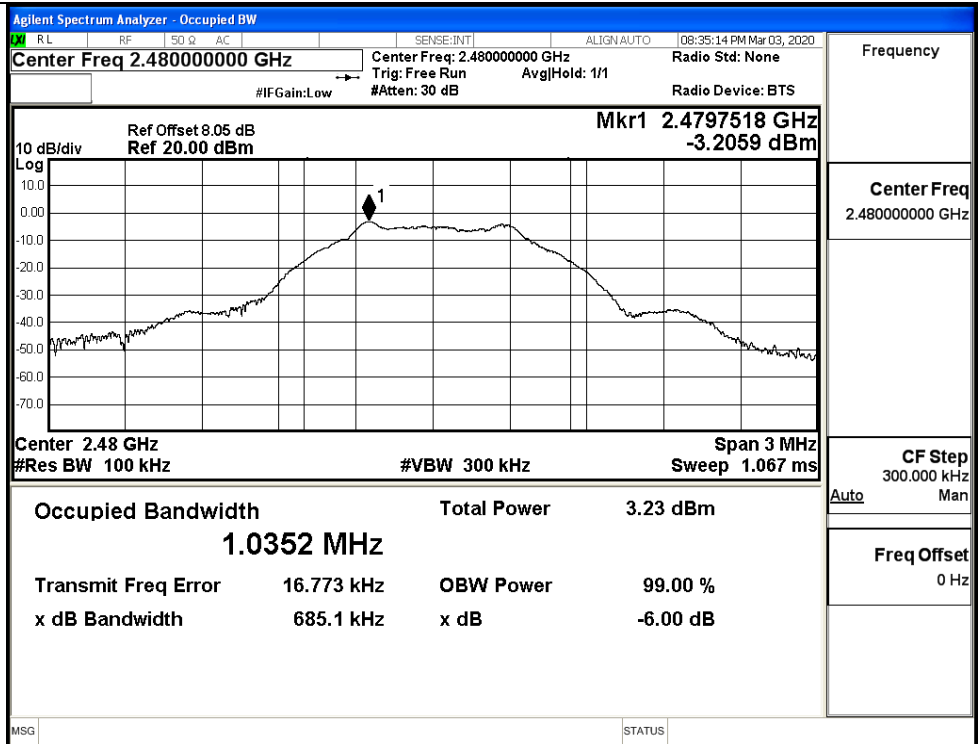
LCH



MCH



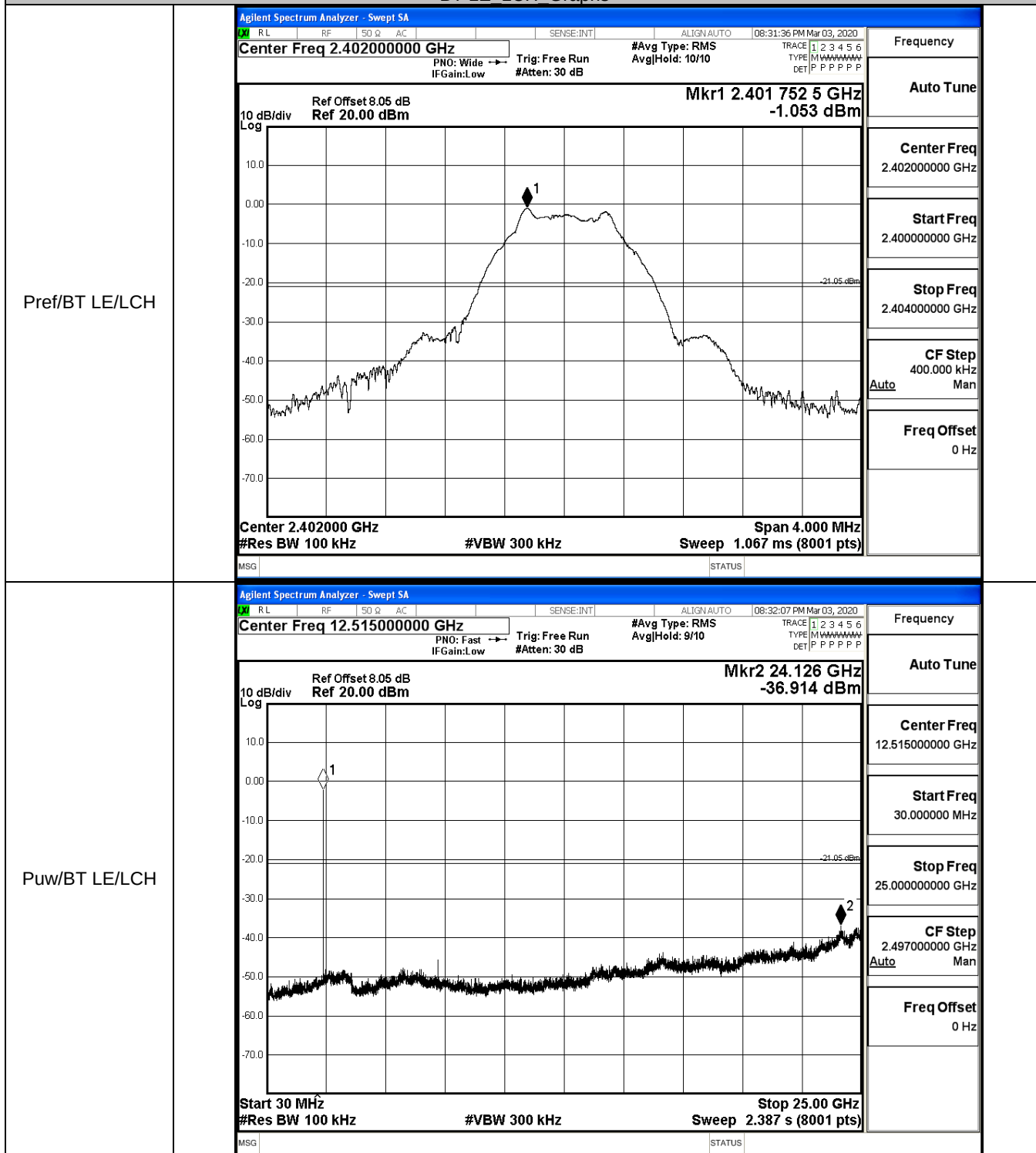
HCH



B.5 RF Conducted Spurious Emissions

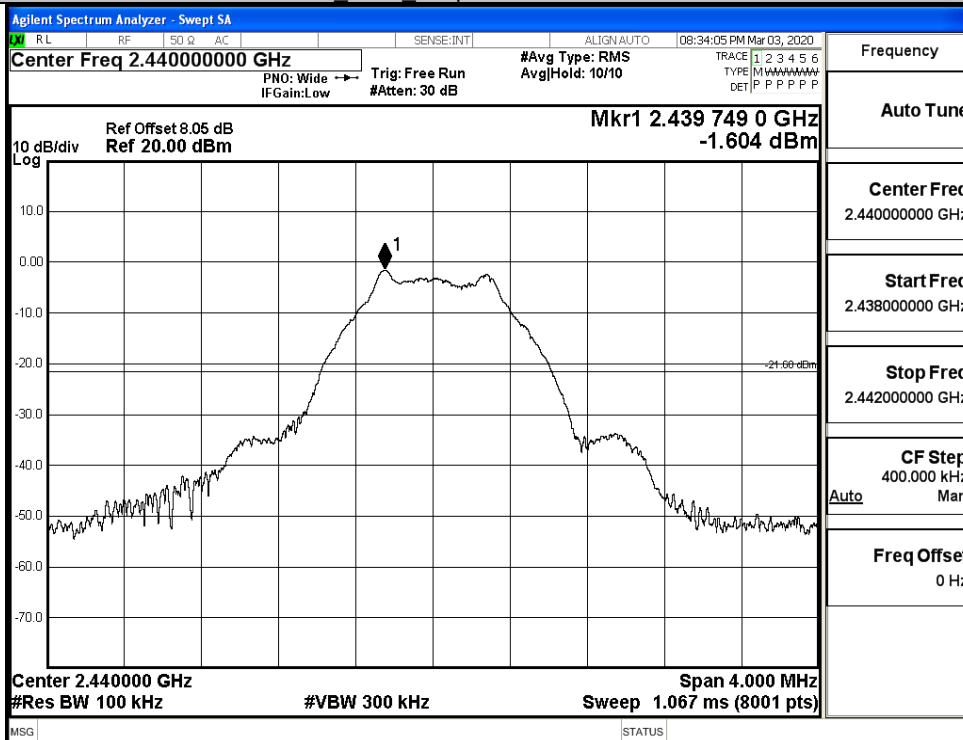
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.053	-36.914	-21.053	PASS
BT LE	MCH	-1.604	-36.620	-21.604	PASS
BT LE	HCH	-3.281	-36.988	-23.281	PASS

BT LE LCH Graphs

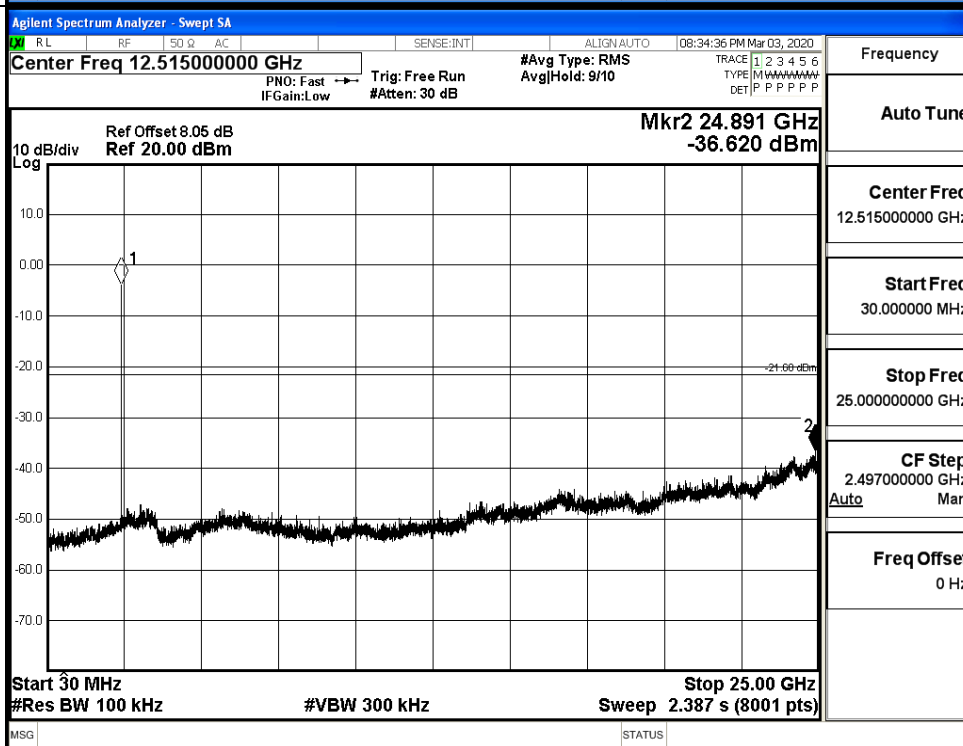


BT LE MCH Graphs

Pref/BT LE/MCH

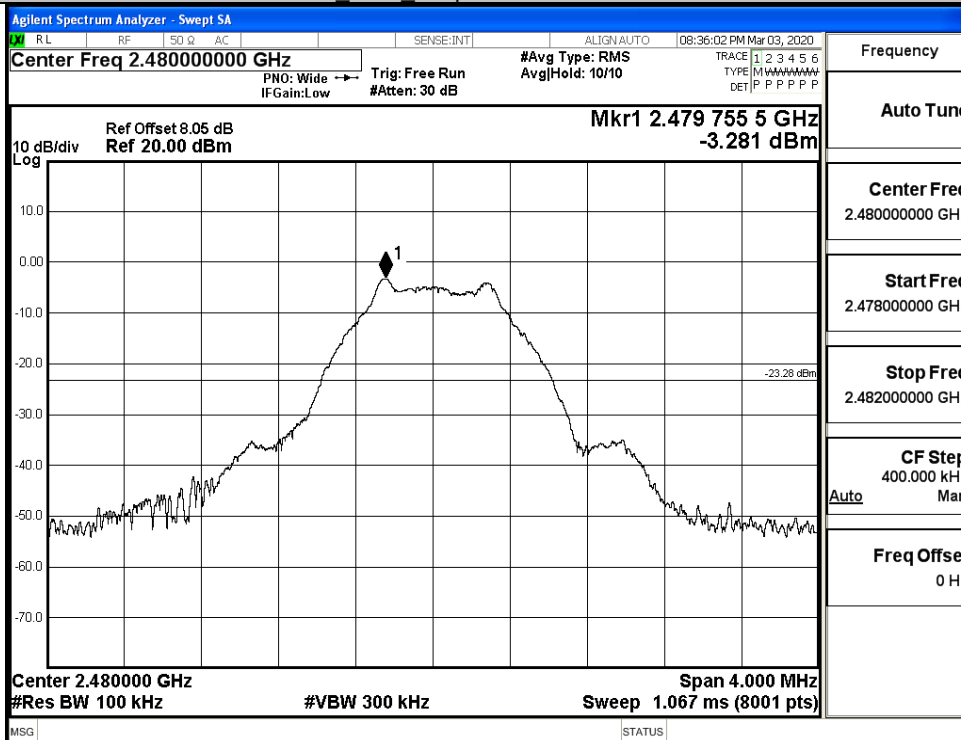


Puw/BT LE/MCH

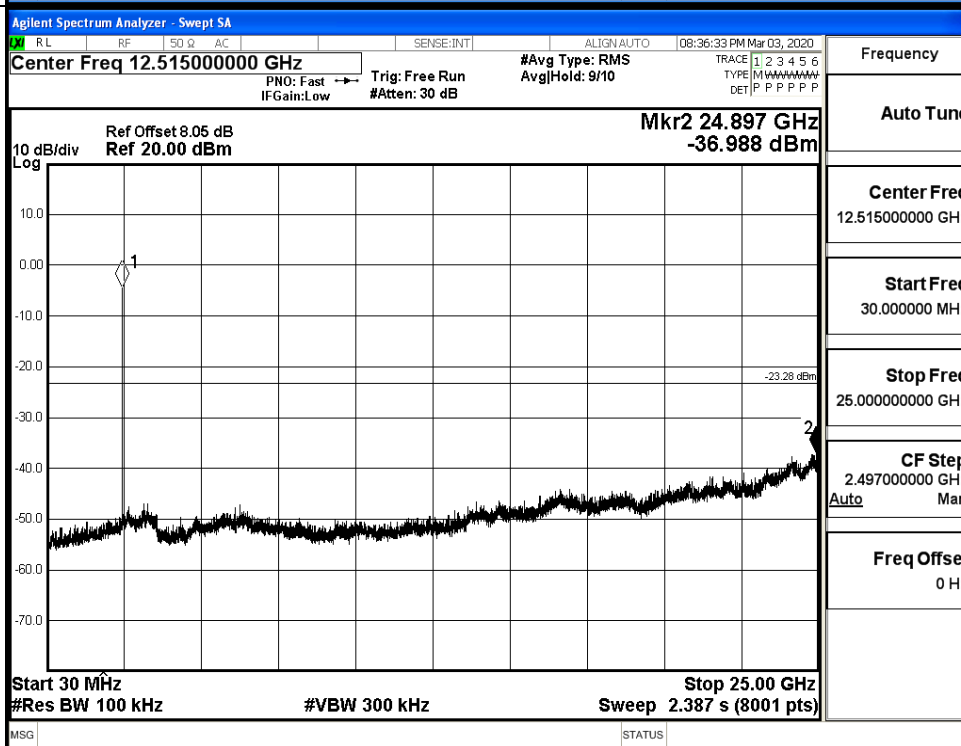


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

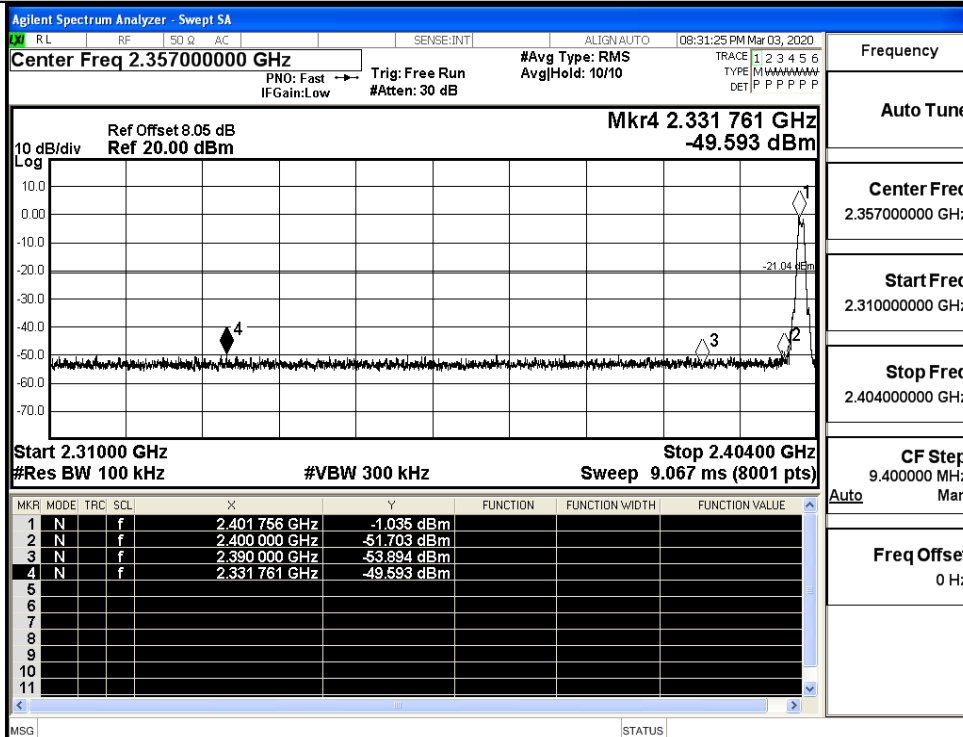


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.035	-49.593	-21.04	PASS
BT LE	HCH	-3.217	-49.091	-23.22	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

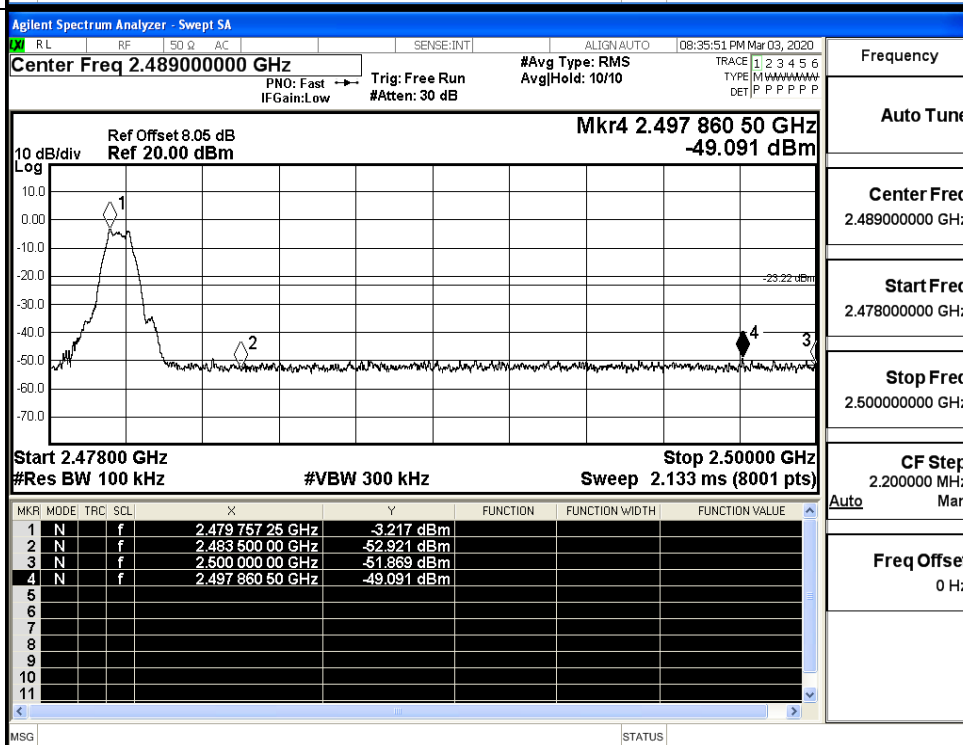
9.400000 MHz

Auto Man

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

Auto Man

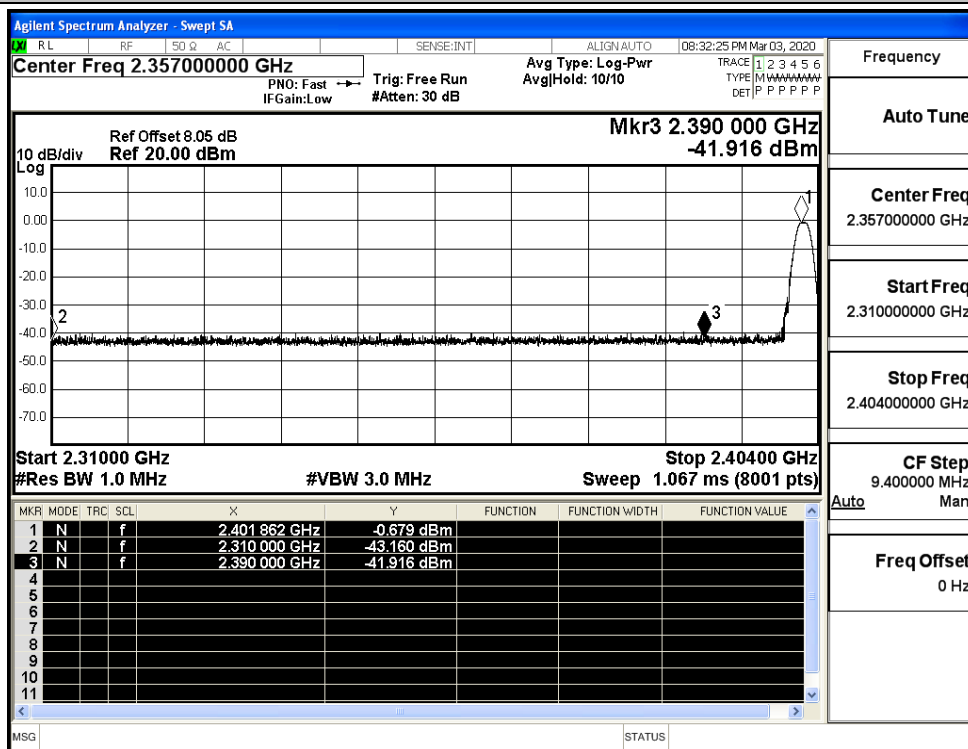
Freq Offset

0 Hz

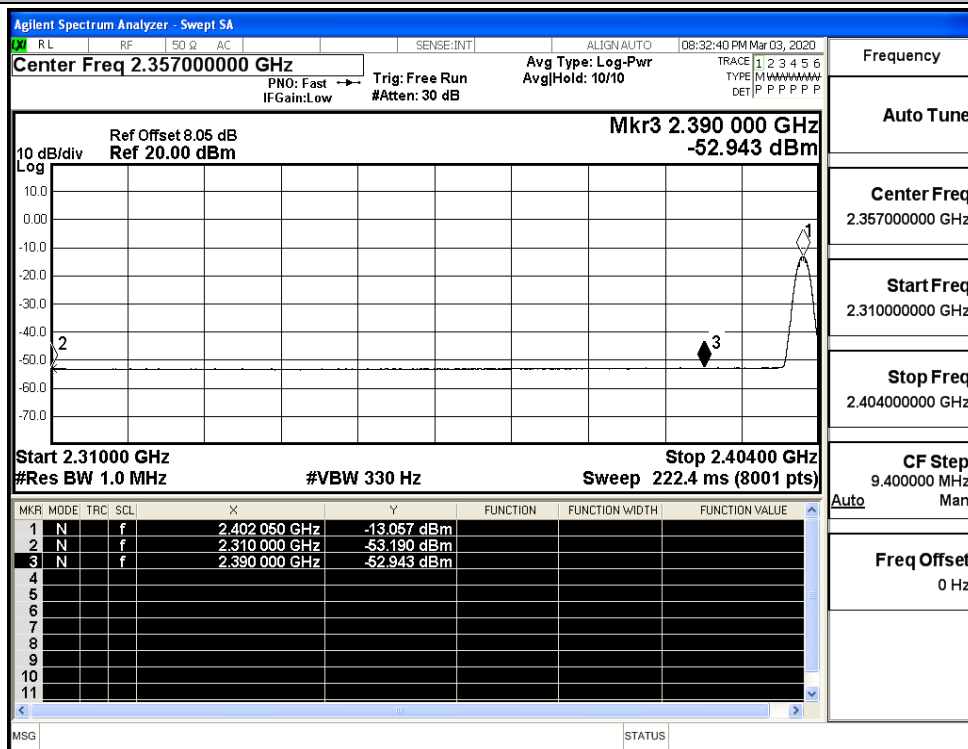
B.7 Restrict-band band-edge measurements

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	-43.16	2.0	0	52.10	PEAK	74	PASS
		Ant1	2310.0	-53.19	2.0	0	42.07	AV	54	PASS
		Ant1	2390.0	-41.92	2.0	0	53.34	PEAK	74	PASS
		Ant1	2390.0	-52.94	2.0	0	42.31	AV	54	PASS
	2480	Ant1	2483.5	-41.68	2.0	0	53.58	PEAK	74	PASS
		Ant1	2483.5	-52.37	2.0	0	42.89	AV	54	PASS
		Ant1	2500.0	-42.66	2.0	0	52.60	PEAK	74	PASS
		Ant1	2500.0	-52.35	2.0	0	42.91	AV	54	PASS

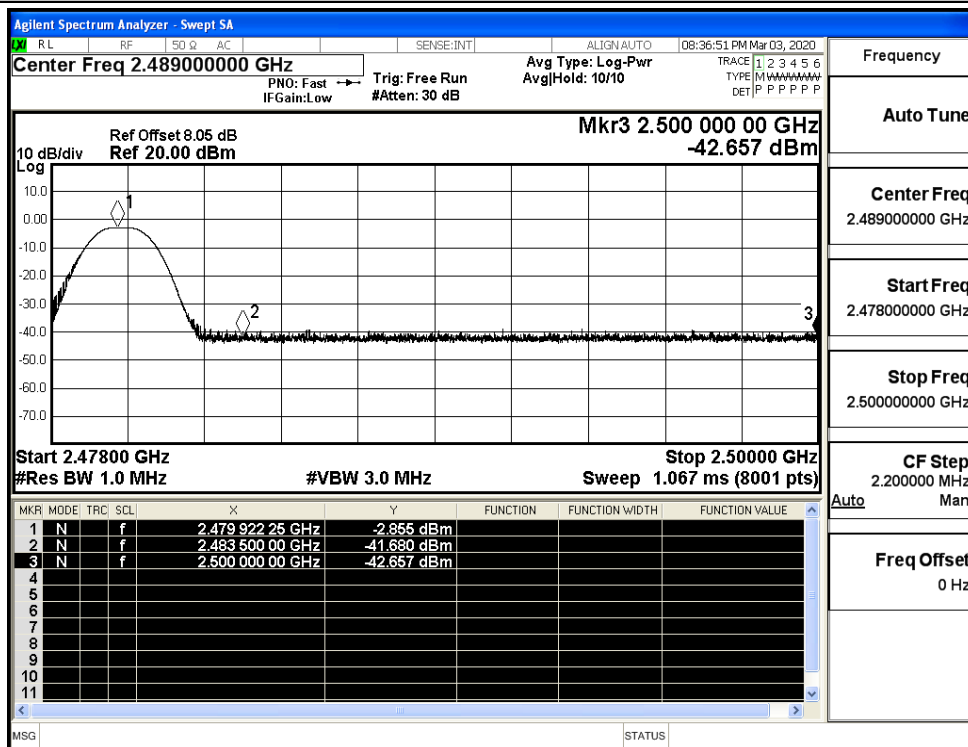
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

