

Appendix B

RF Test Data for BT V5.0(DTS) (Conducted Measurement)

Product Name: True Wireless Earbuds

Trade Mark: iWorld, Prime Audio, Macbeth Collection, Kodak, CoreAudio

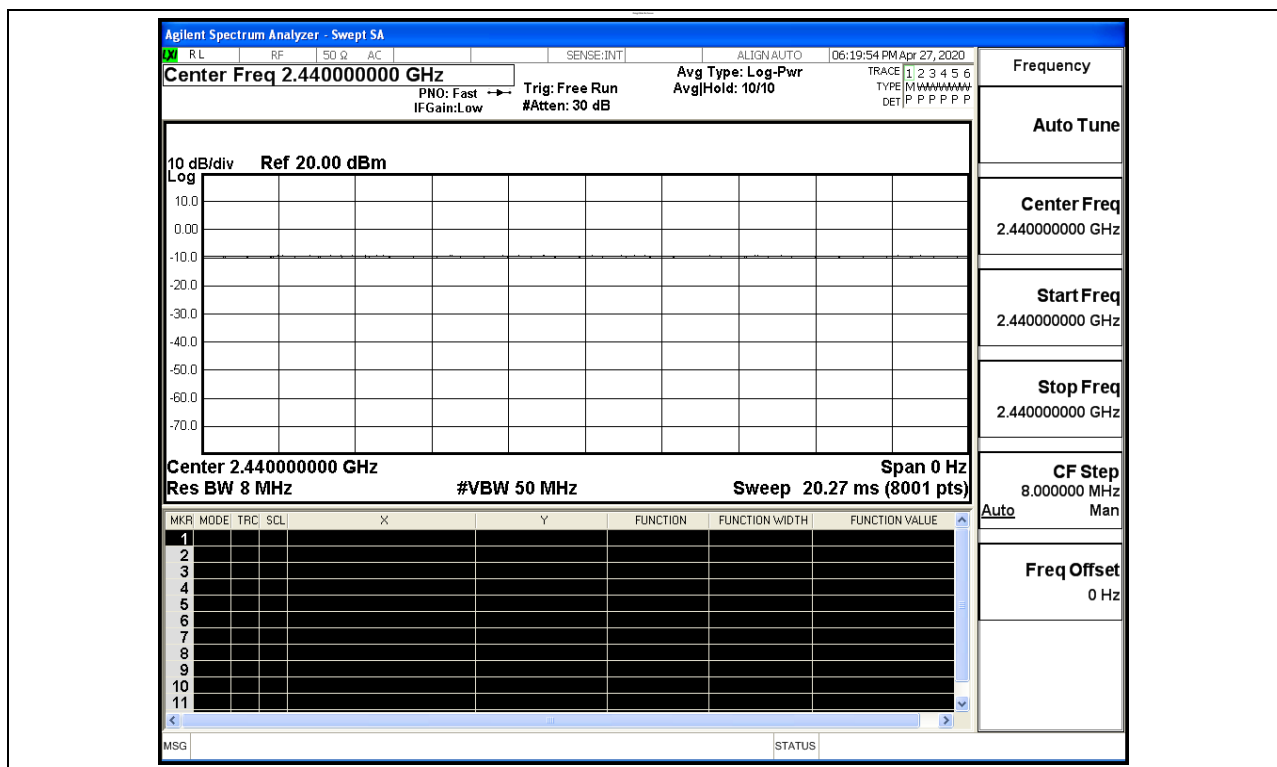
Test Model: PATW-1001-WH

Environmental Conditions

Temperature:	23.6 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Alisa Huang
Supervised by:	Li Huan

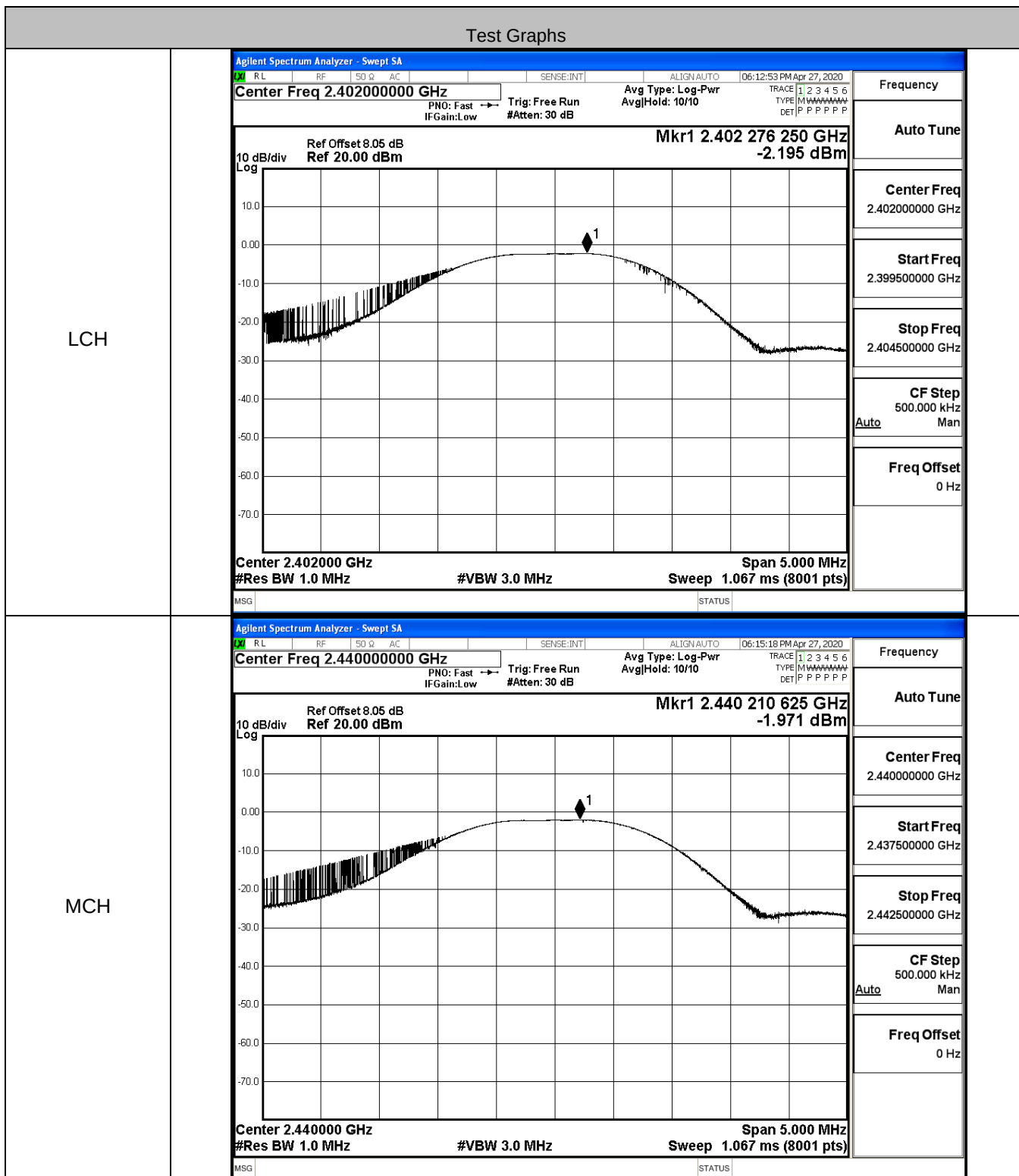
B.1 Duty Cycle

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

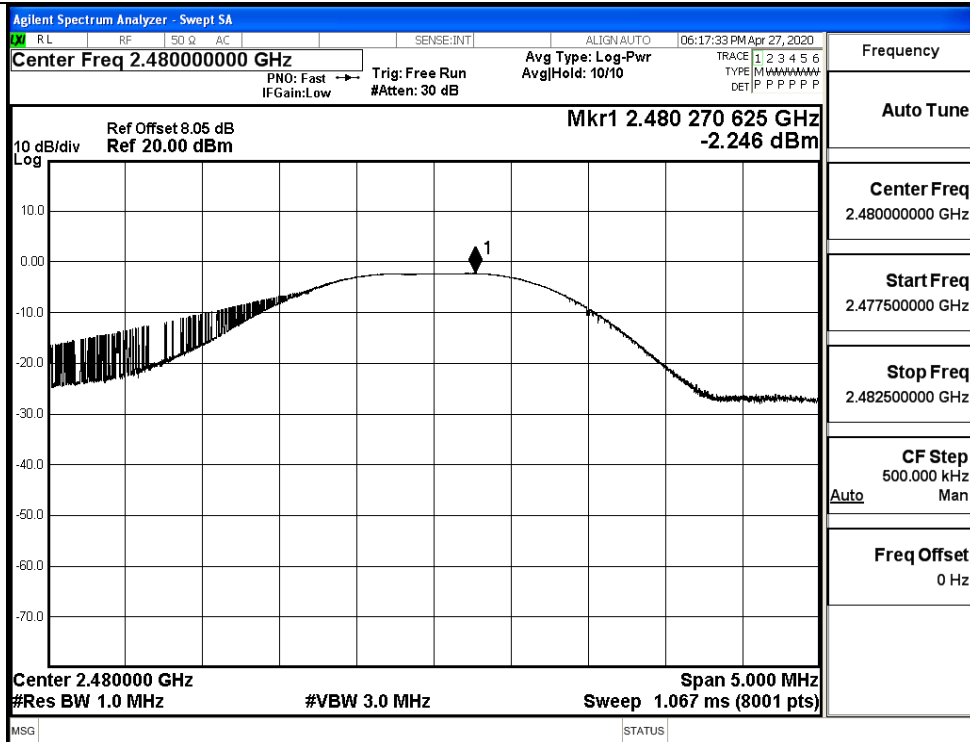


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.195	30	PASS
BT LE	MCH	-1.971	30	PASS
BT LE	HCH	-2.246	30	PASS



HCH

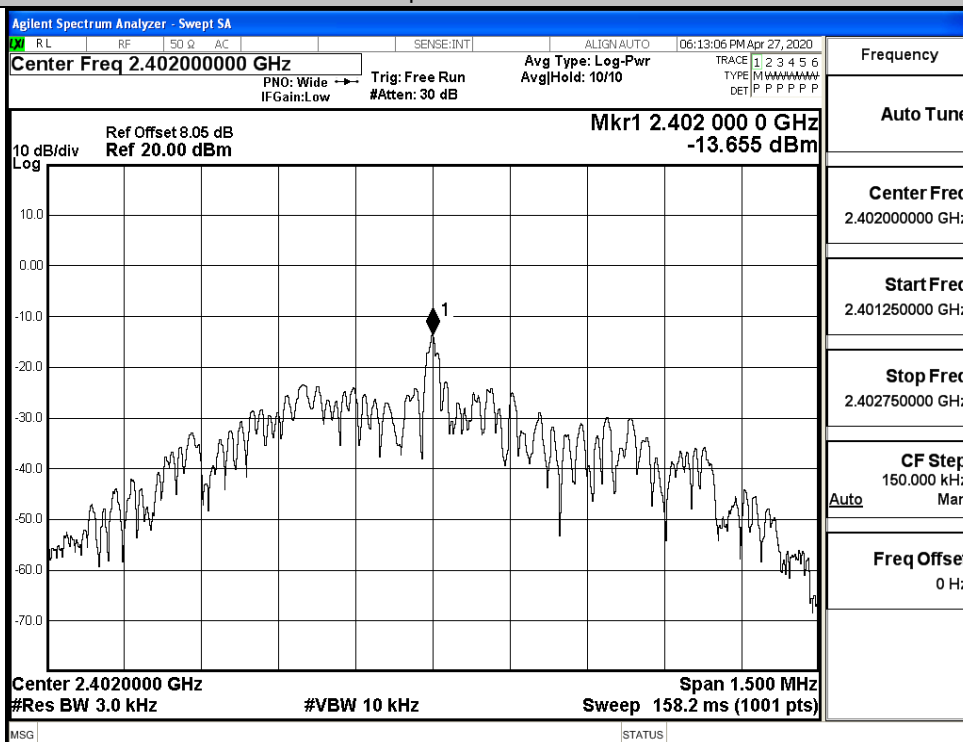


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.655	8	PASS
BT LE	MCH	-13.252	8	PASS
BT LE	HCH	-13.472	8	PASS

Test Graphs

LCH

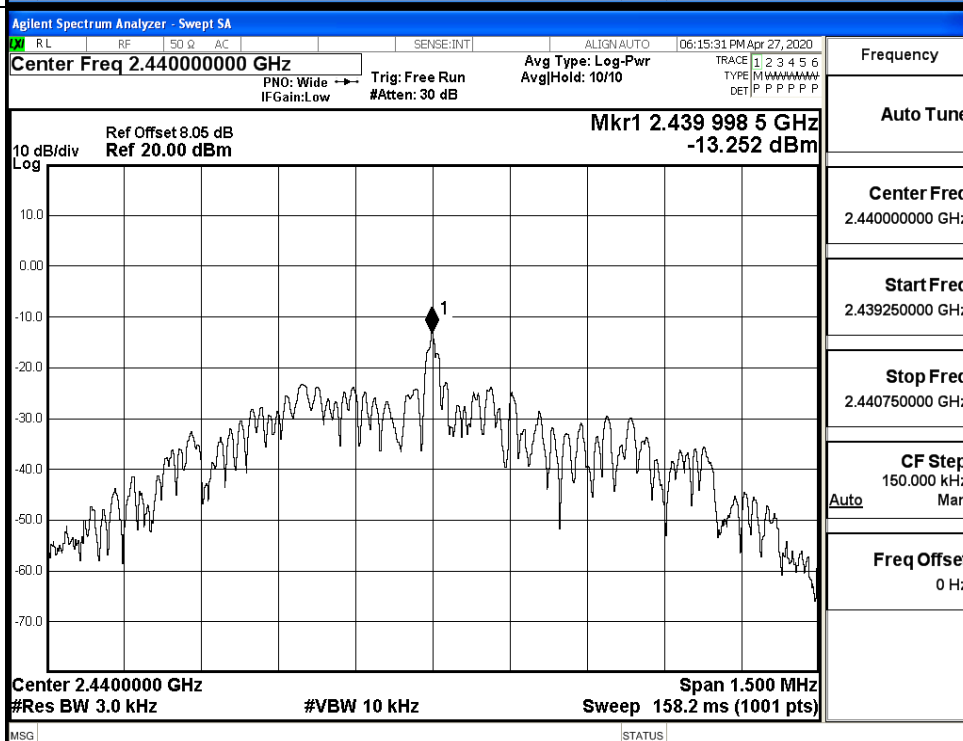


Frequency

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

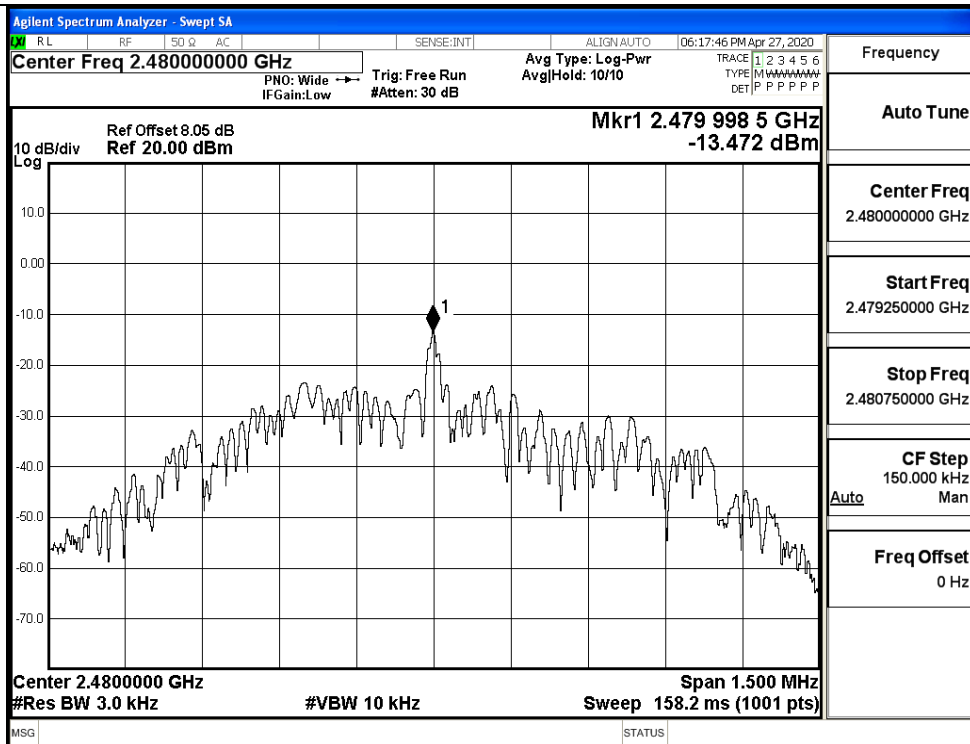


Frequency

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

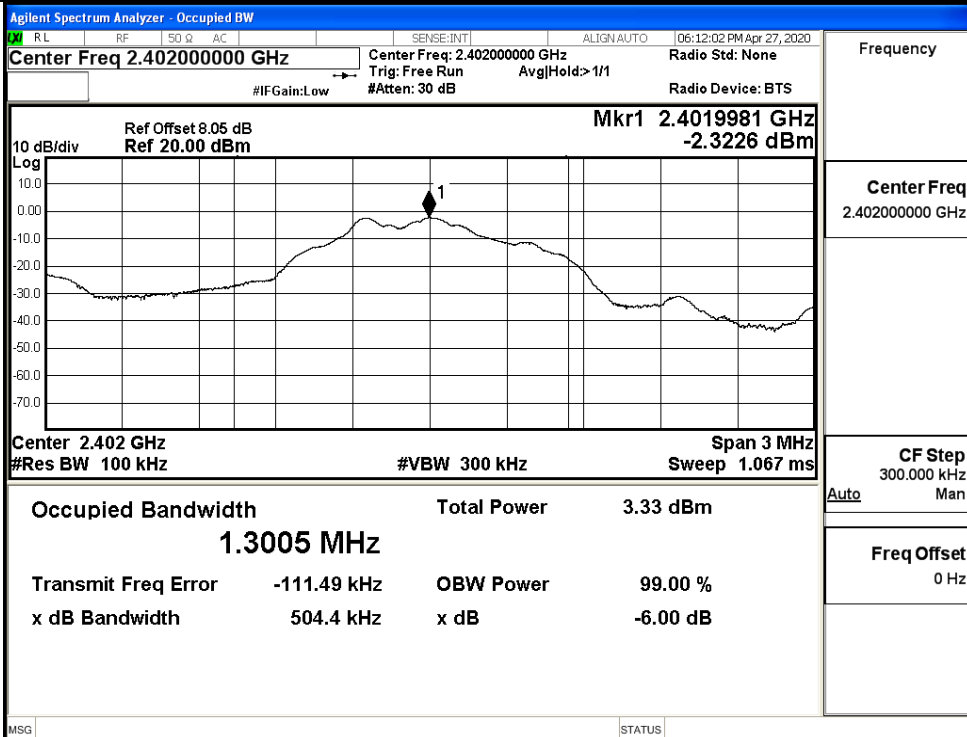


B.4 6dB Bandwidth

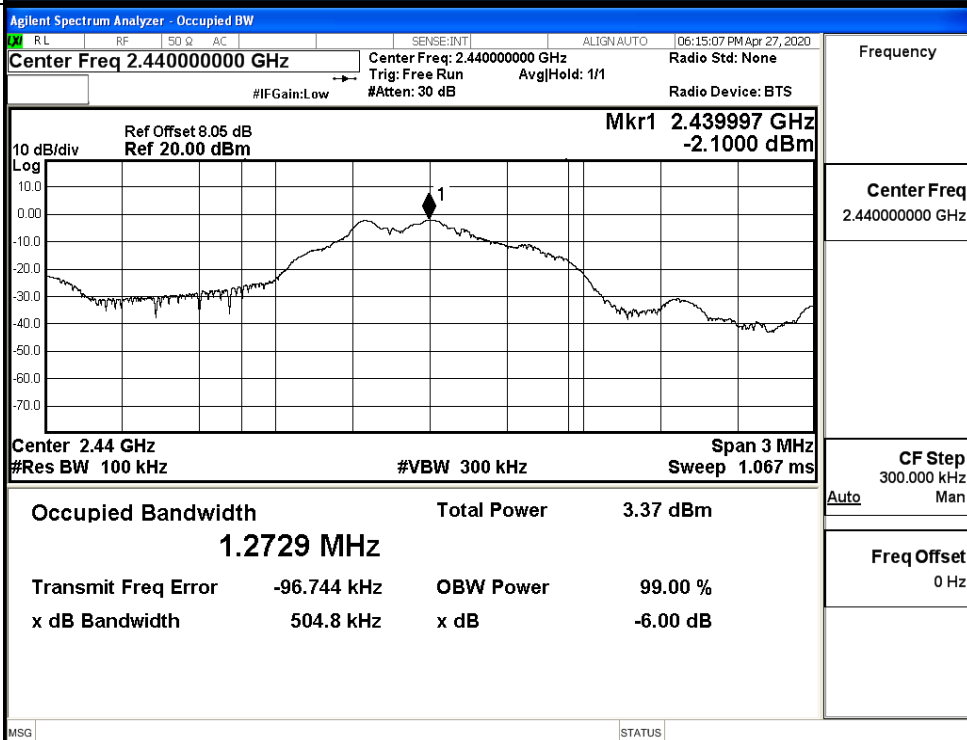
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.5044	≥ 0.5	PASS
BT LE	MCH	0.5048	≥ 0.5	PASS
BT LE	HCH	0.5062	≥ 0.5	PASS

Test Graphs

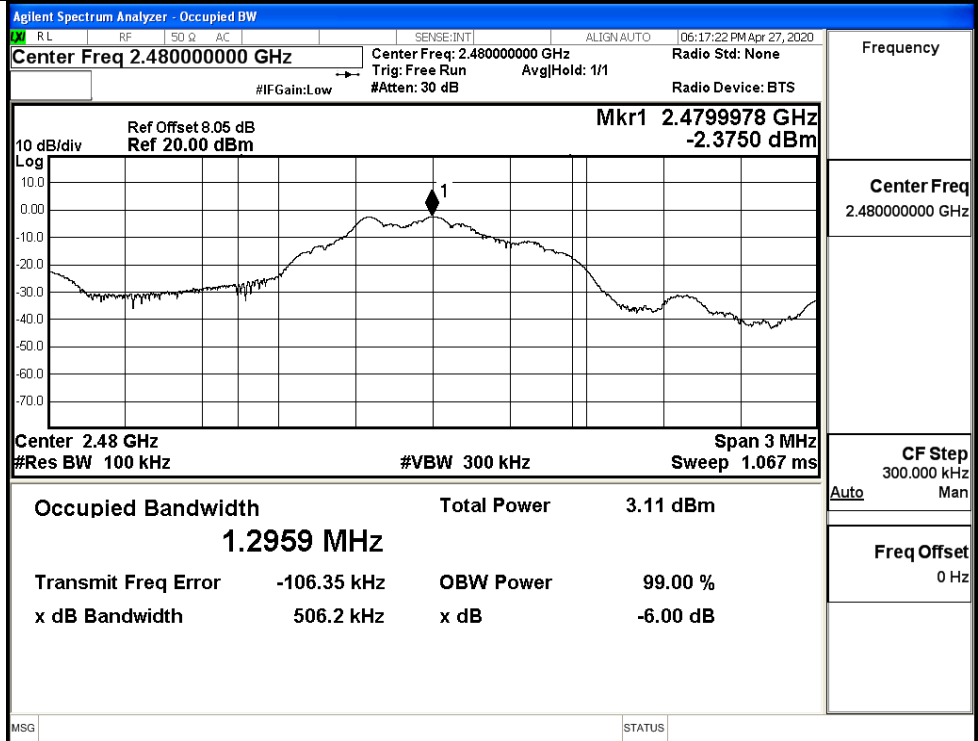
LCH



MCH



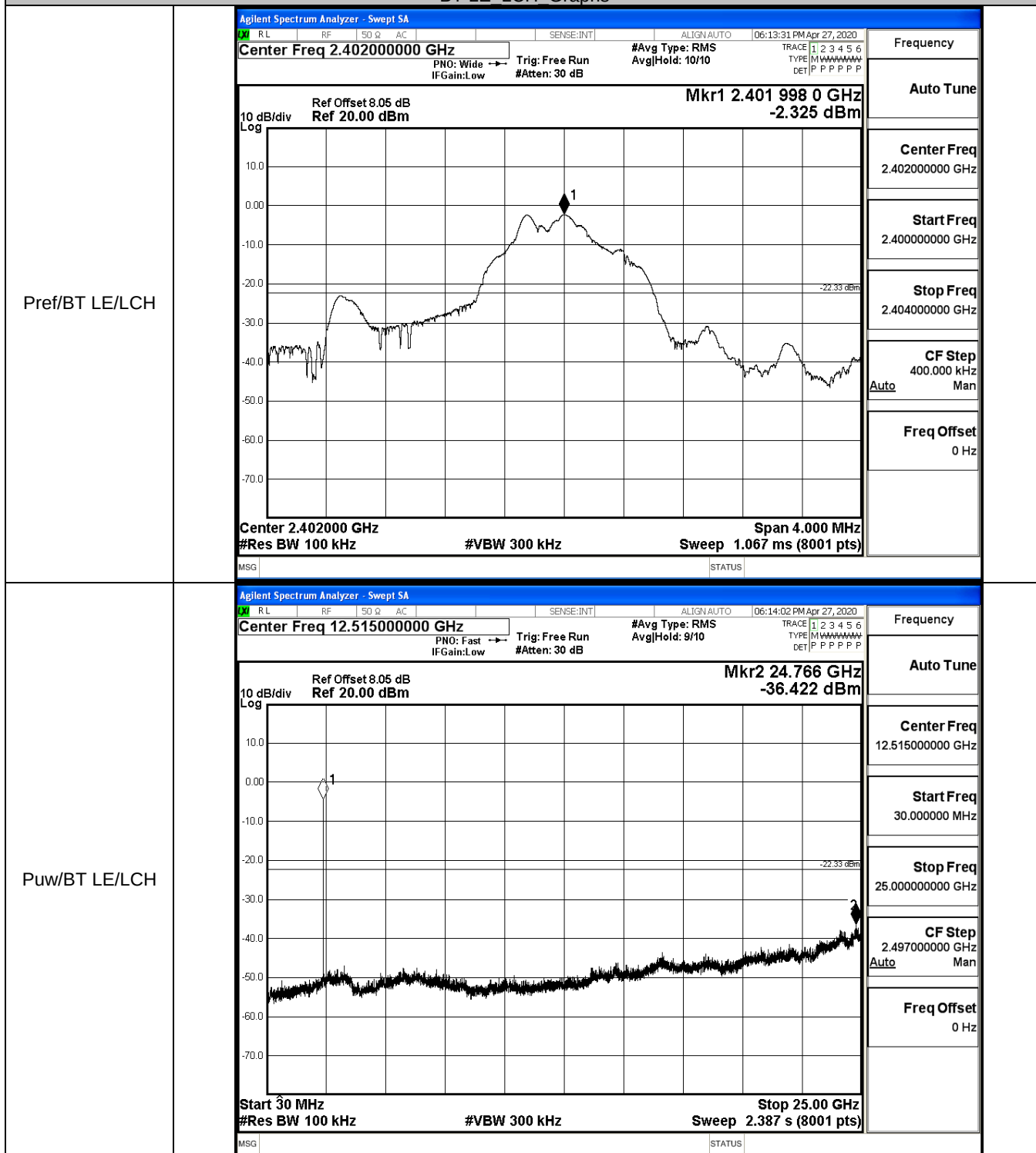
HCH



B.5 RF Conducted Spurious Emissions

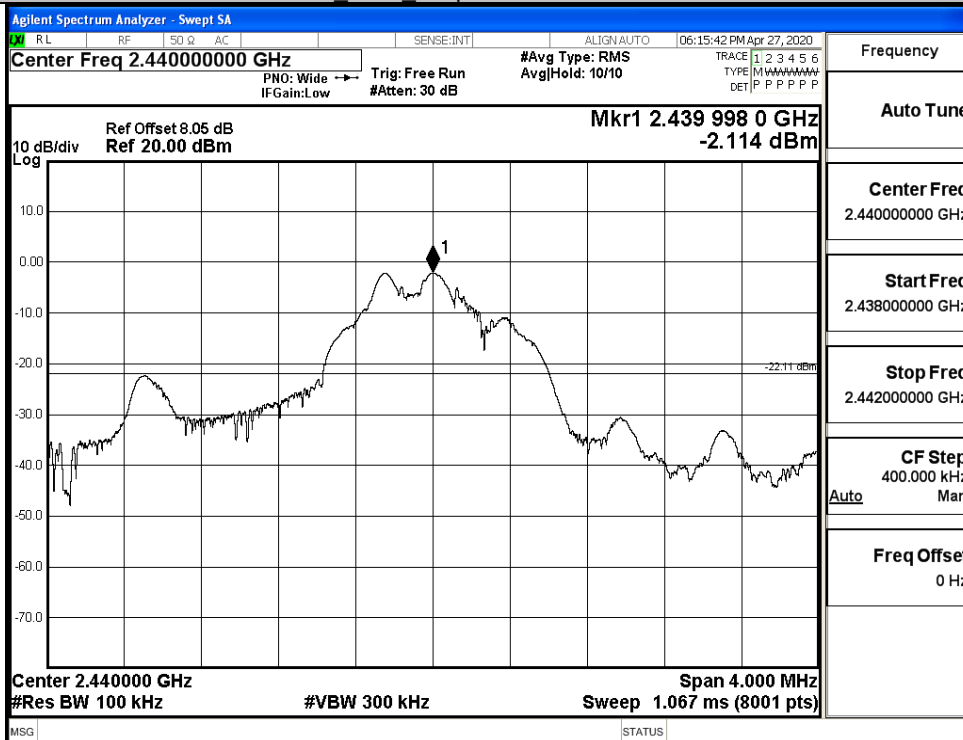
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.325	-36.422	-22.325	PASS
BT LE	MCH	-2.114	-37.003	-22.114	PASS
BT LE	HCH	-2.398	-37.301	-22.398	PASS

BT LE LCH Graphs

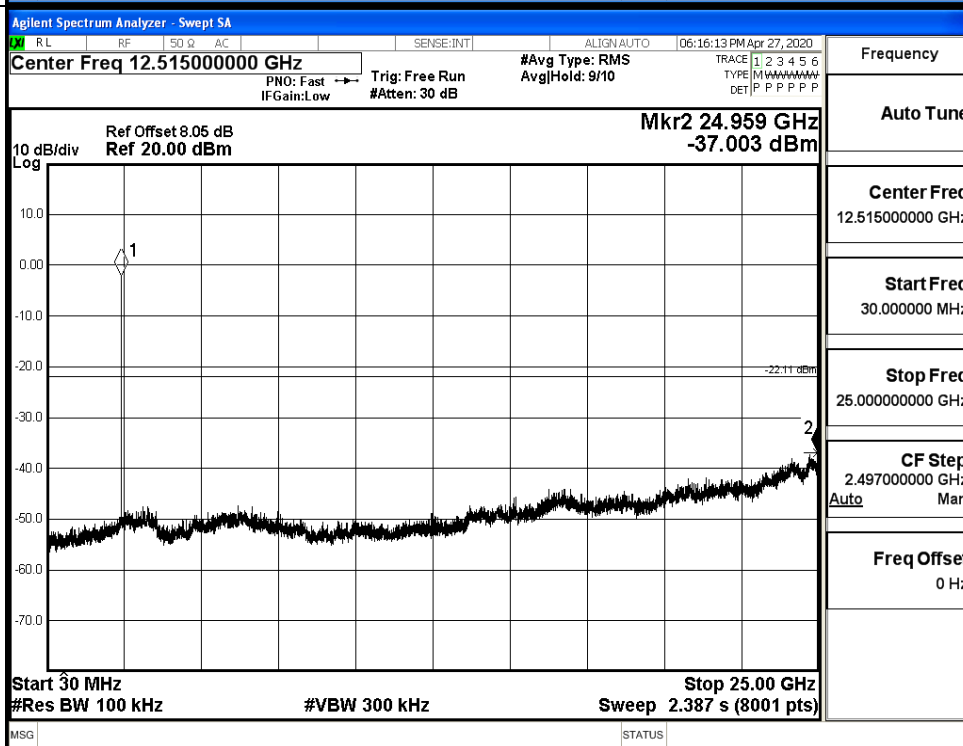


BT LE MCH Graphs

Pref/BT LE/MCH

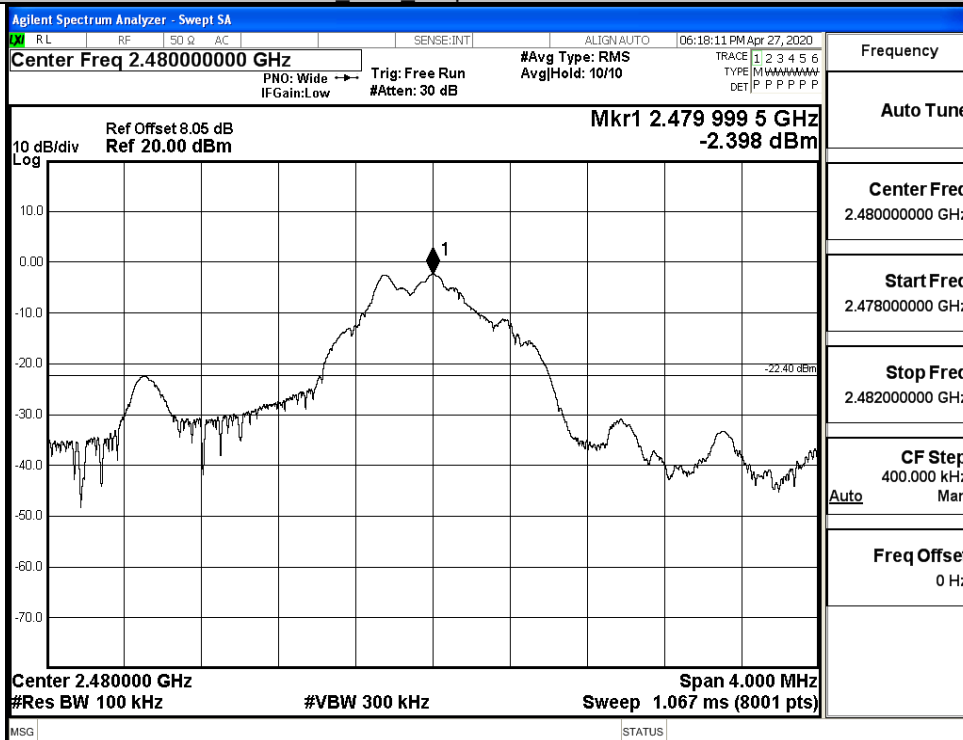


Puw/BT LE/MCH

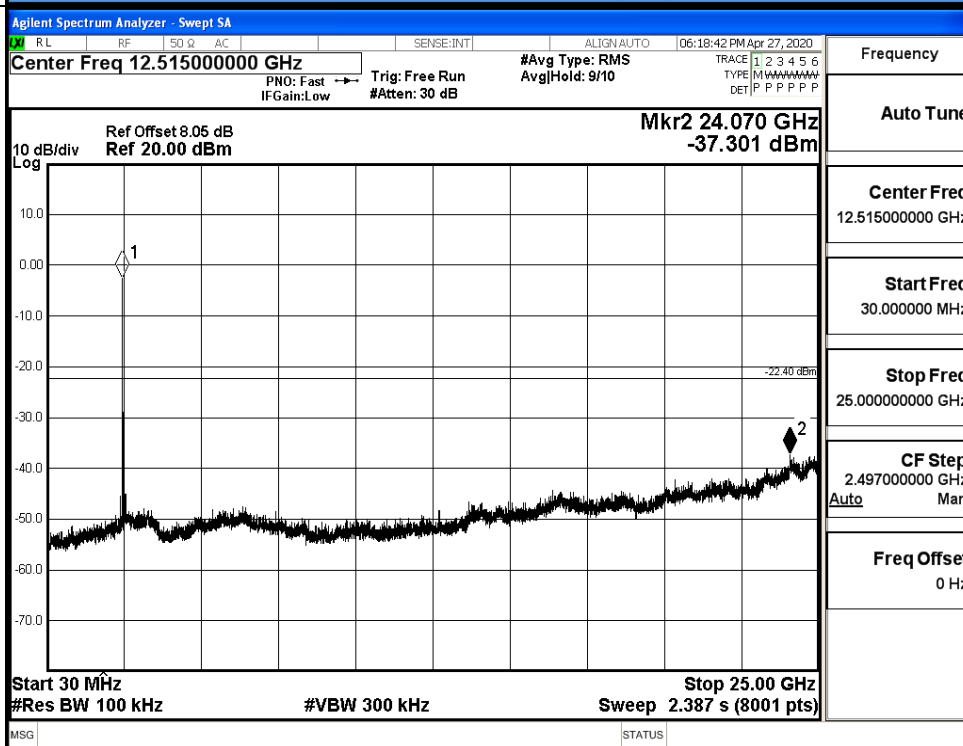


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

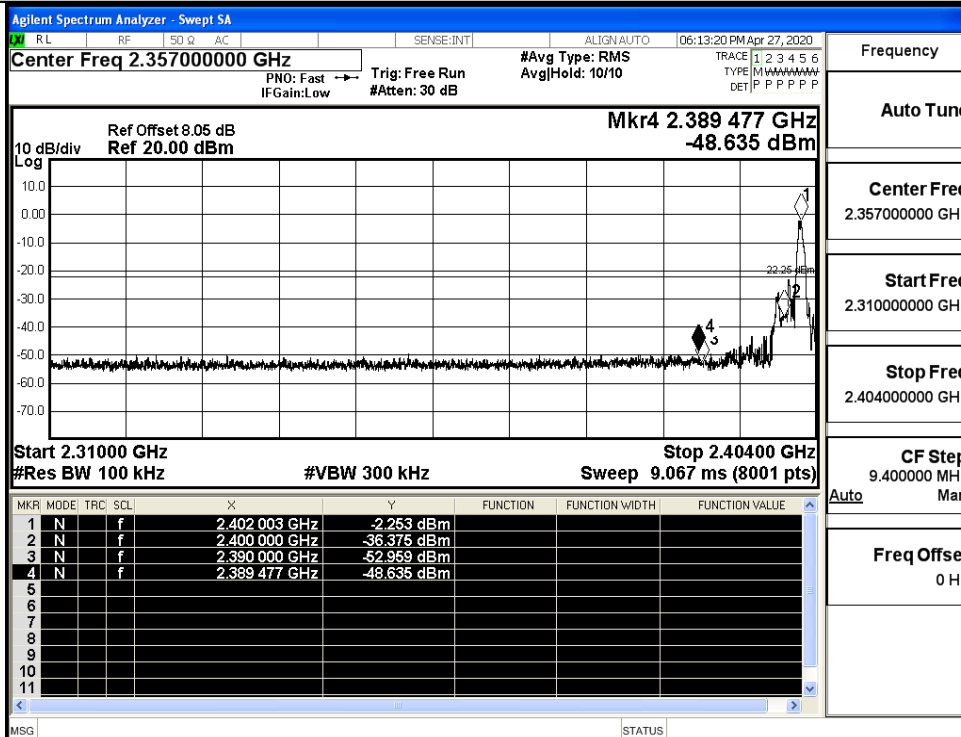


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.253	-48.635	-22.25	PASS
BT LE	HCH	-2.262	-34.068	-22.26	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq
2.357000000 GHz

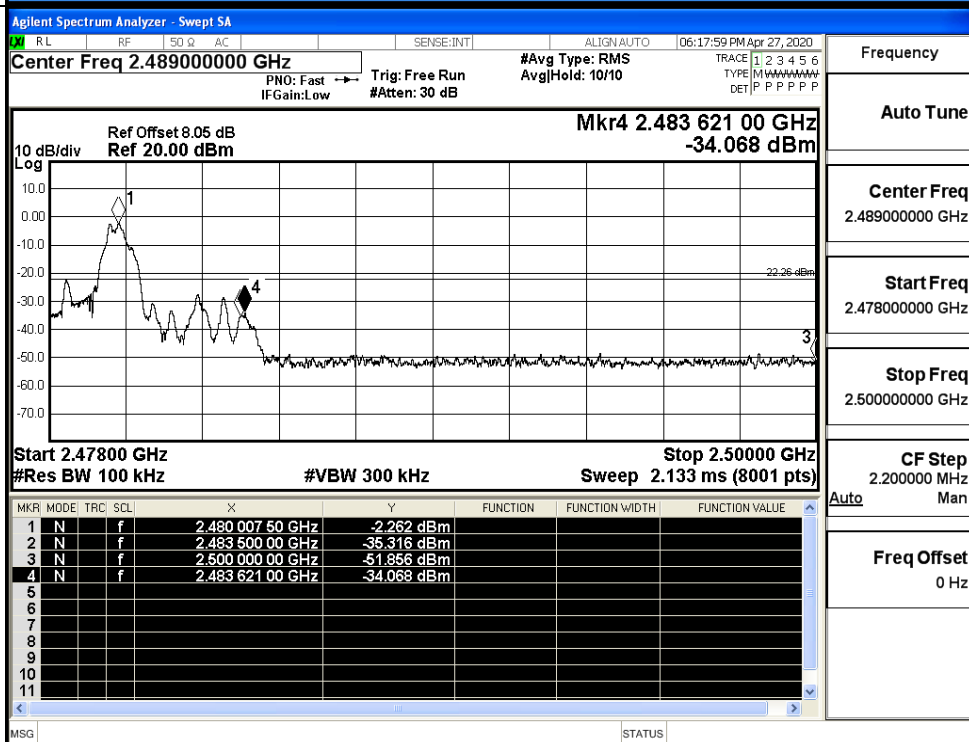
Start Freq
2.310000000 GHz

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

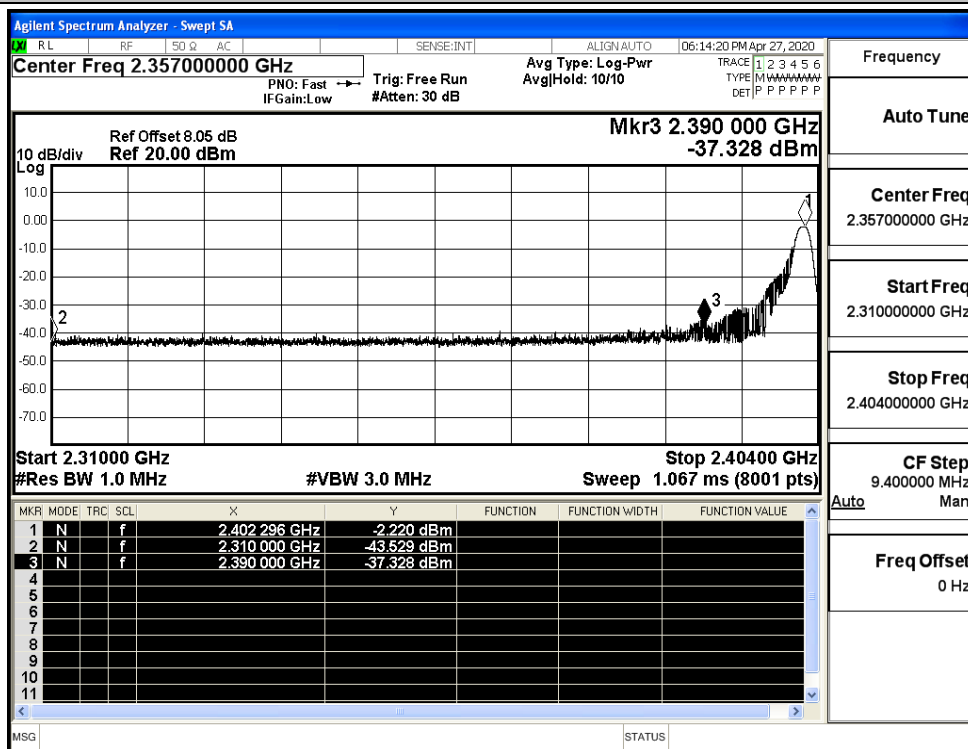
CF Step
2.200000 MHz

Freq Offset
0 Hz

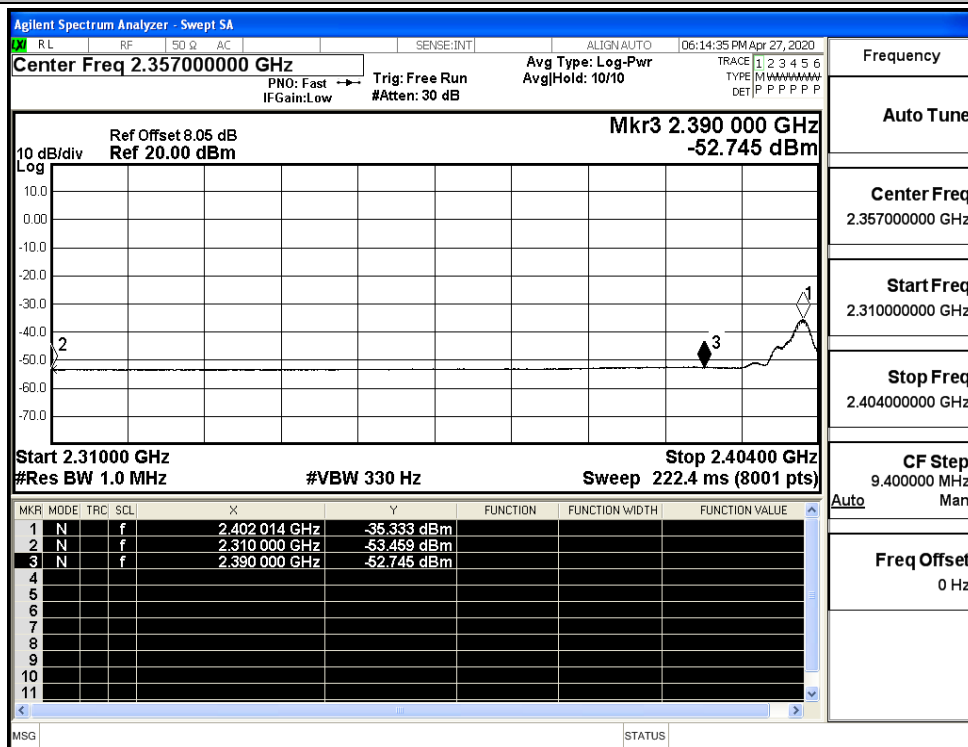
B.7 Restrict-band band-edge measurements

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	-43.53	2.0	0	53.73	PEAK	74	PASS
		Ant1	2310.0	-53.46	2.0	0	43.80	AV	54	PASS
		Ant1	2390.0	-37.33	2.0	0	59.93	PEAK	74	PASS
		Ant1	2390.0	-52.75	2.0	0	44.51	AV	54	PASS
	2480	Ant1	2483.5	-28.99	2.0	0	68.27	PEAK	74	PASS
		Ant1	2483.5	-47.35	2.0	0	49.91	AV	54	PASS
		Ant1	2500.0	-41.13	2.0	0	56.13	PEAK	74	PASS
		Ant1	2500.0	-52.19	2.0	0	45.07	AV	54	PASS

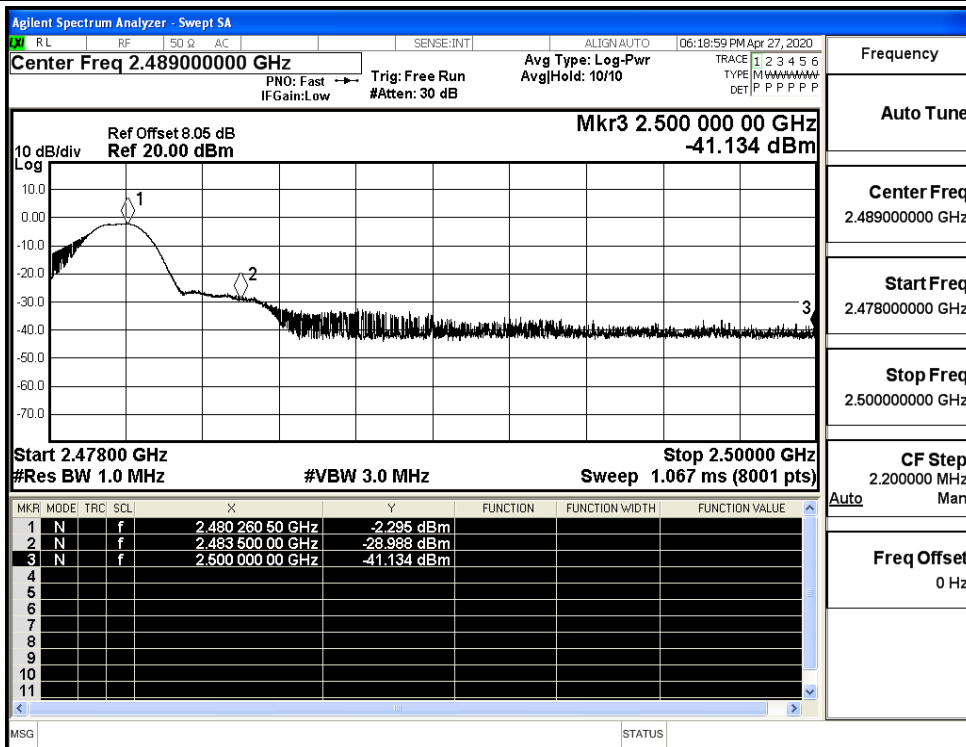
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

