

Appendix A

RF Test Data for 2.4G (Conducted Measurement)

Product Name: 2.4G Wireless Headphone

Trade Mark: Headrush

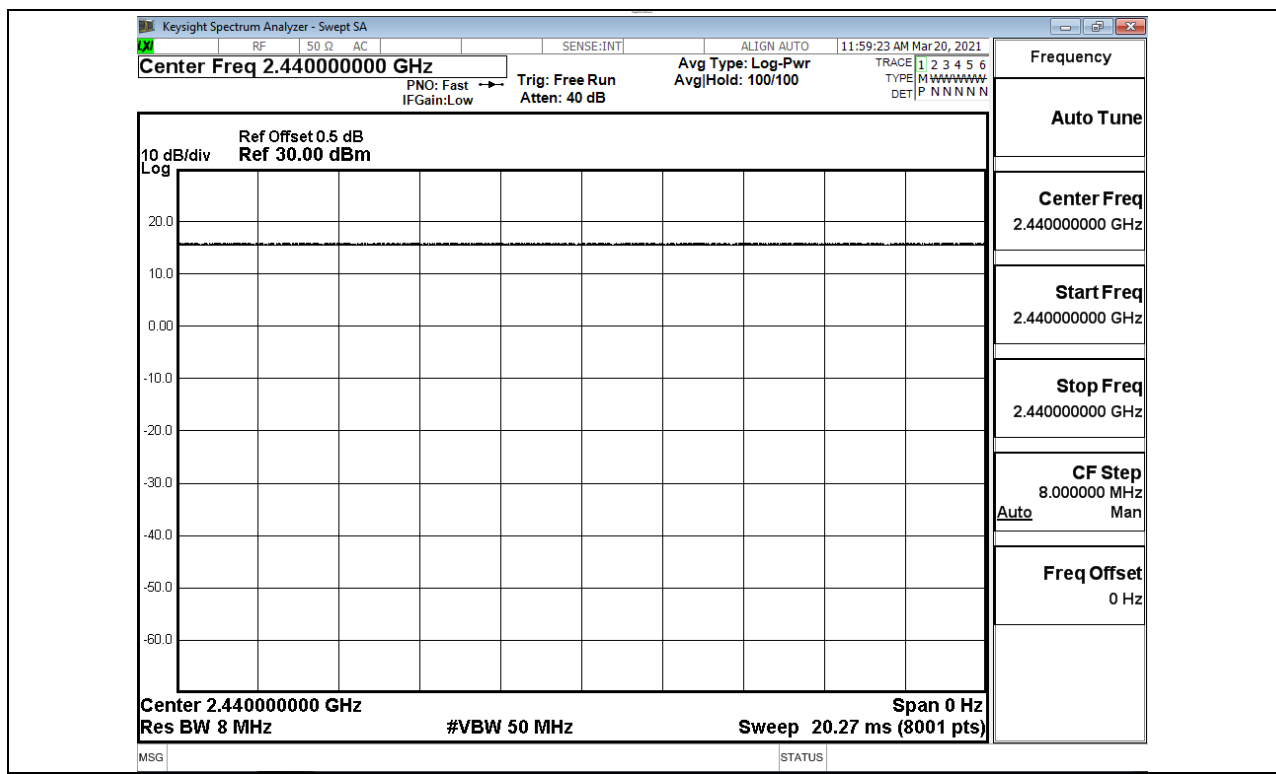
Test Model: 8081706B

Environmental Conditions

Temperature:	22.9 ° C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

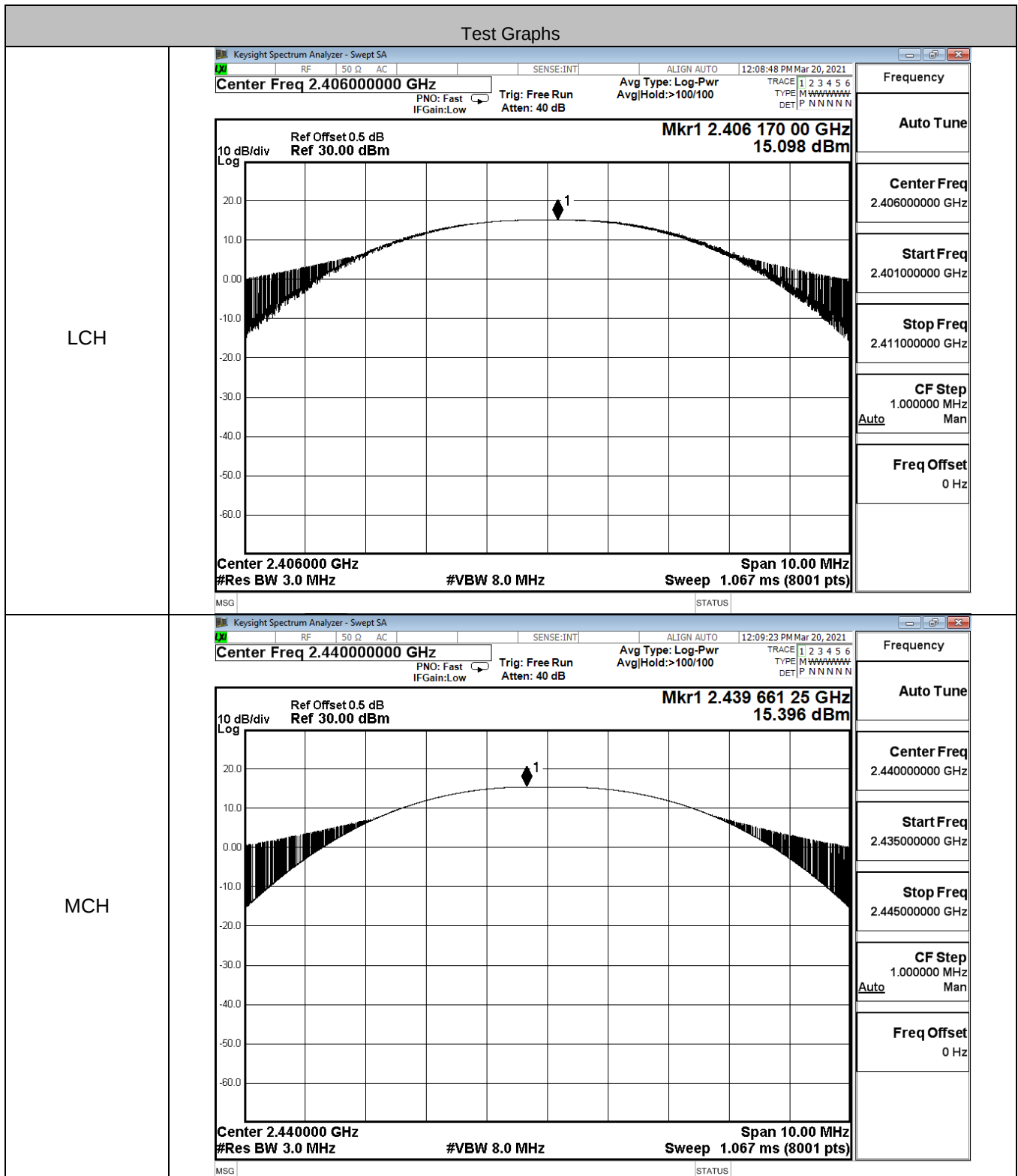
A.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
2.4G	2440	Ant1	100	PASS

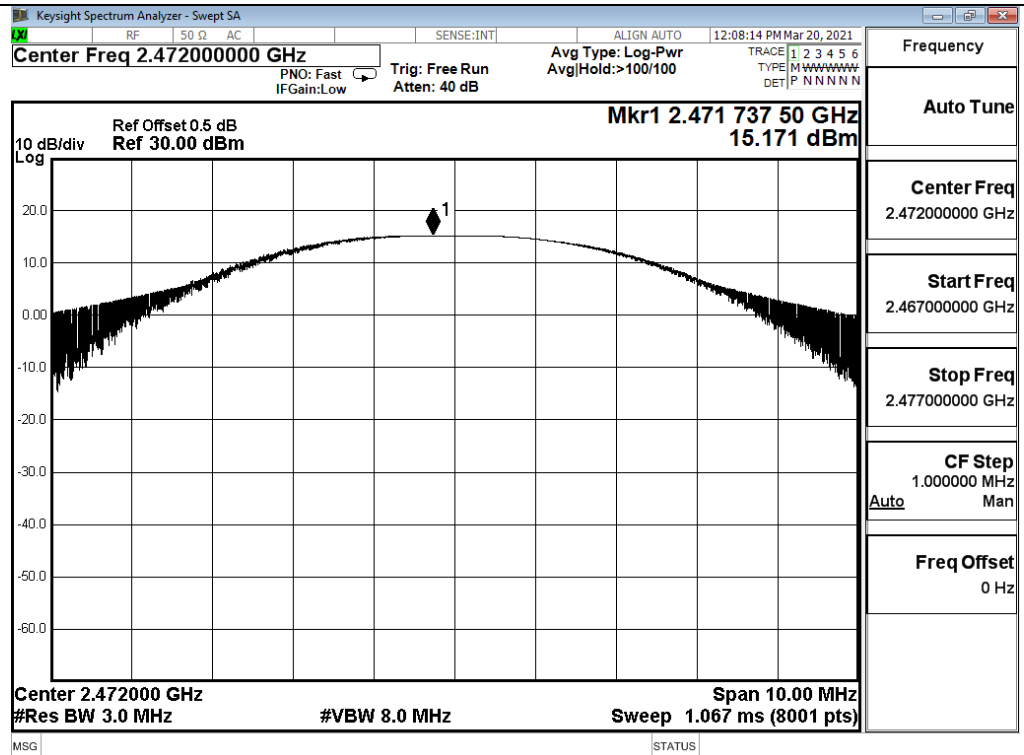


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
2.4G	LCH	15.098	30	PASS
2.4G	MCH	15.396	30	PASS
2.4G	HCH	15.171	30	PASS



HCH

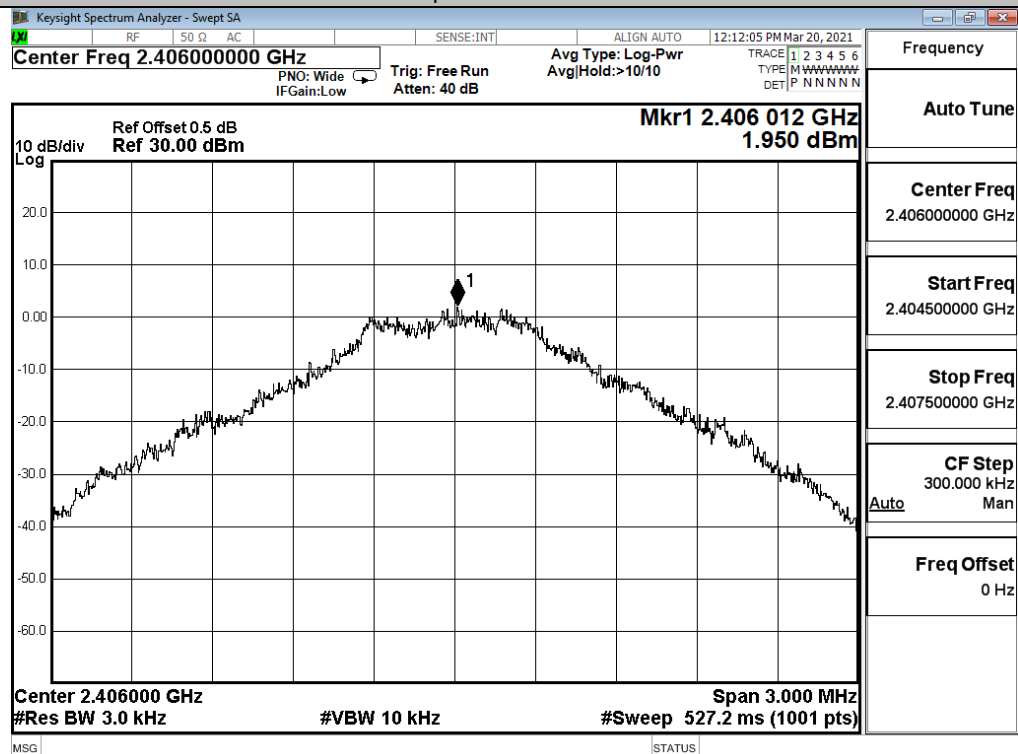


A.3 Maximum Power Spectral Density

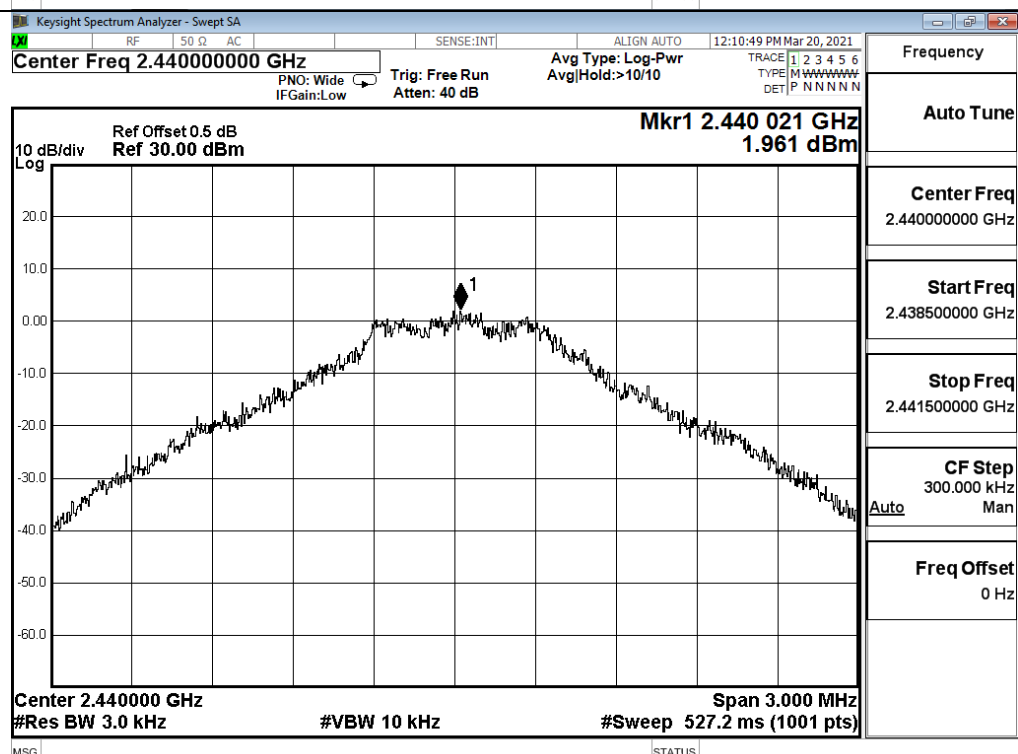
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
2.4G	LCH	1.950	8	PASS
2.4G	MCH	1.961	8	PASS
2.4G	HCH	3.114	8	PASS

Test Graphs

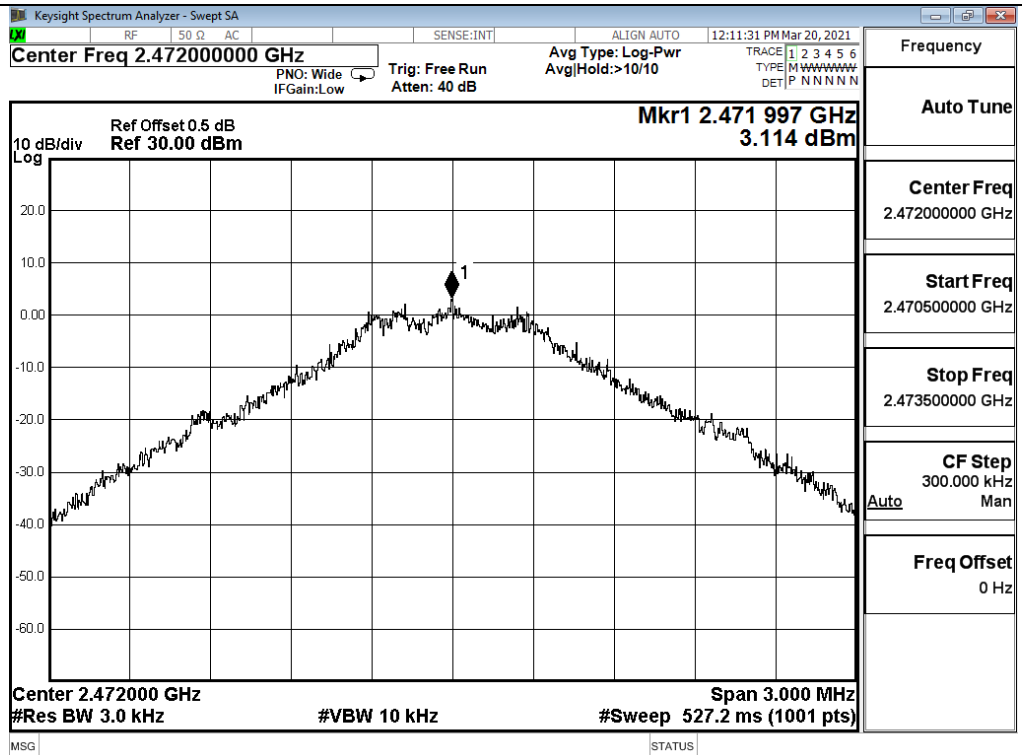
LCH



MCH



HCH

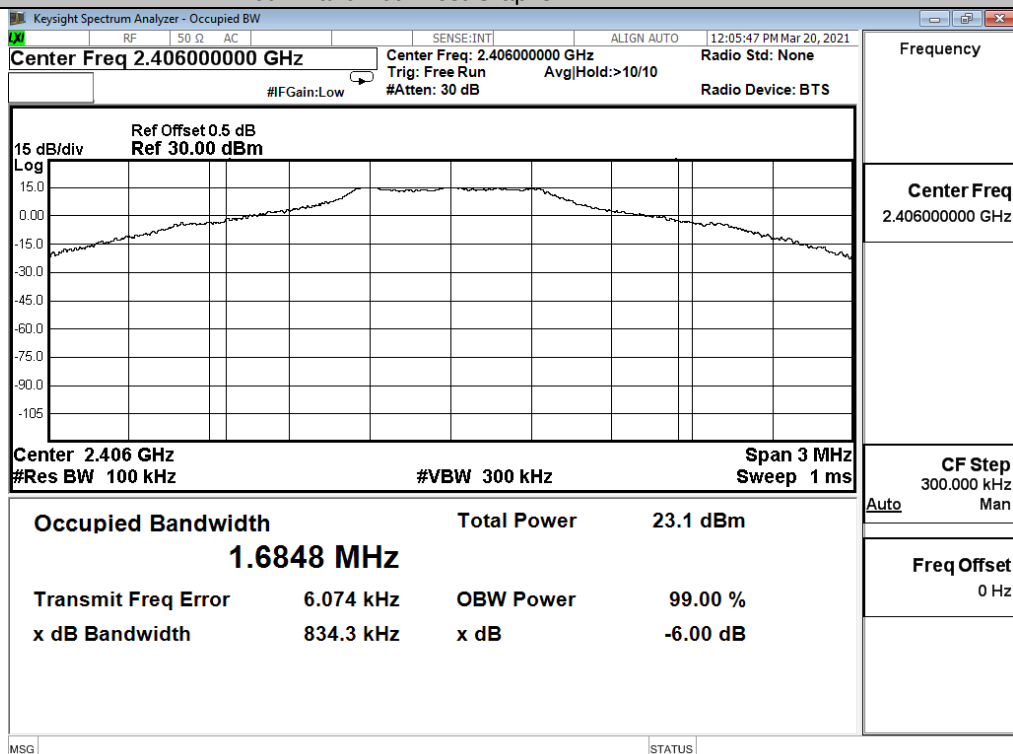


A.4 6dB Bandwidth& 99% Occupied Bandwidth

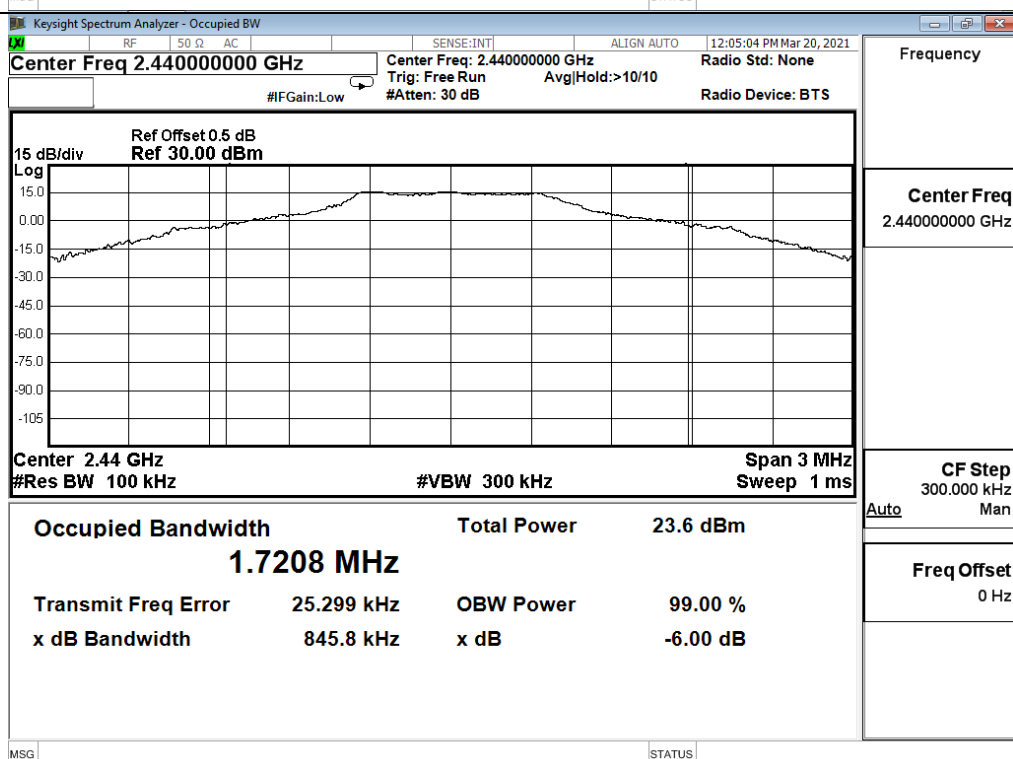
Mode	Channel	6dB Bandwidth [MHz]	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
2.4G	LCH	0.8343	1.5462	≥ 0.5	PASS
2.4G	MCH	0.8458	1.5119	≥ 0.5	PASS
2.4G	HCH	0.8245	1.5158	≥ 0.5	PASS

6dB Bandwidth Test Graphs

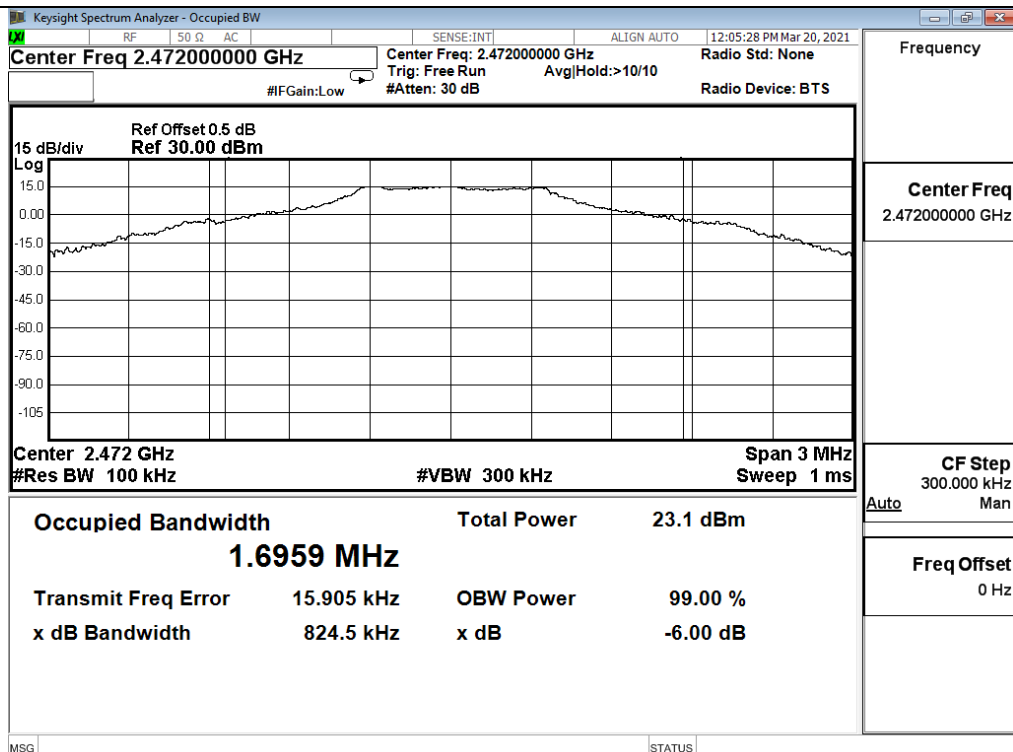
LCH



MCH

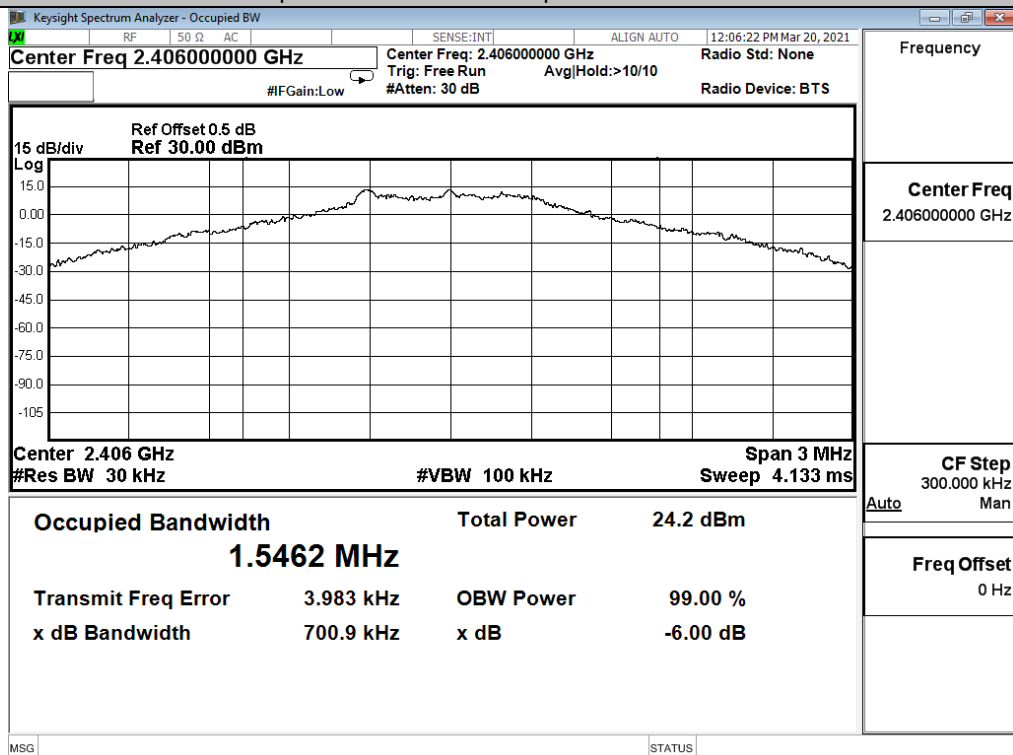


HCH

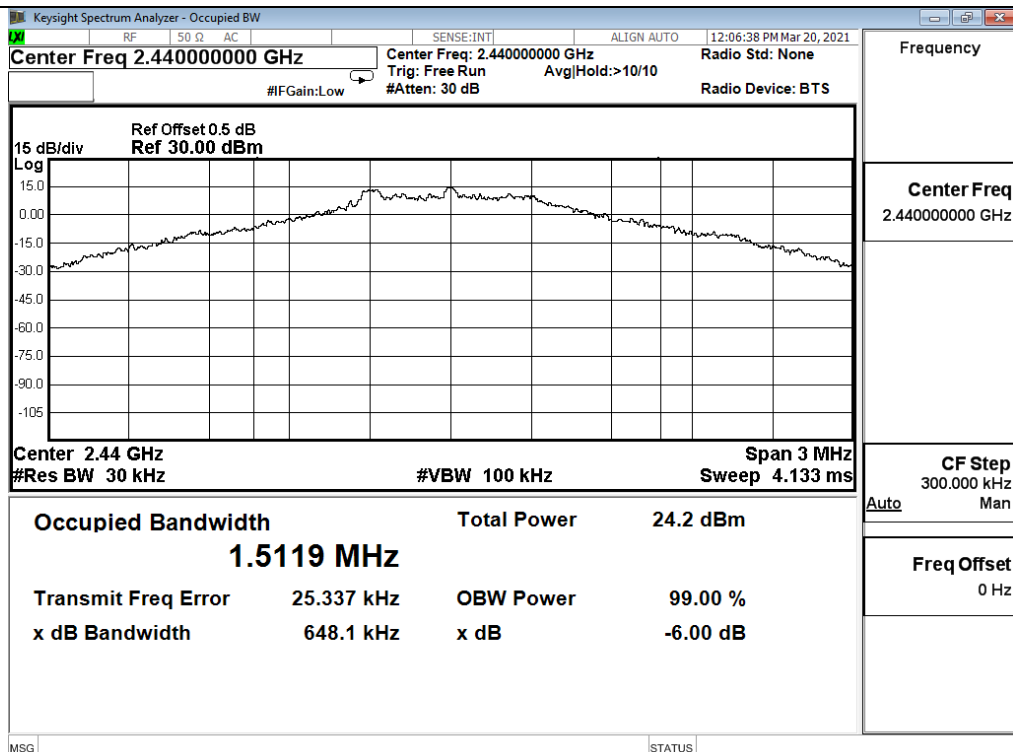


Occupied Bandwidth Test Graphs

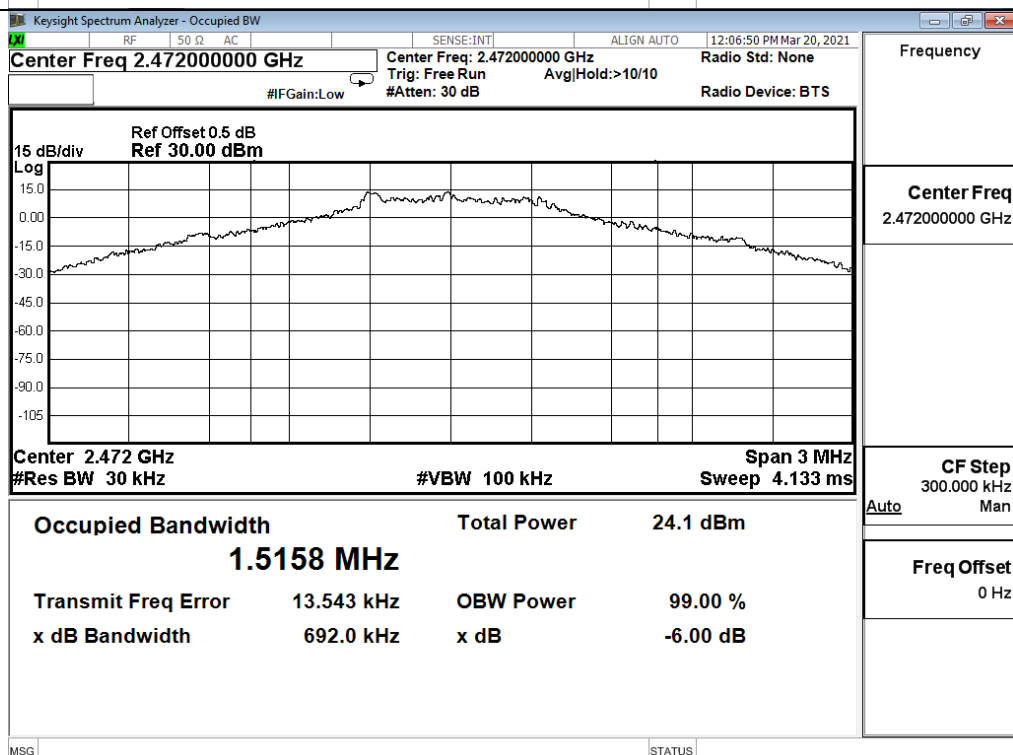
LCH



MCH

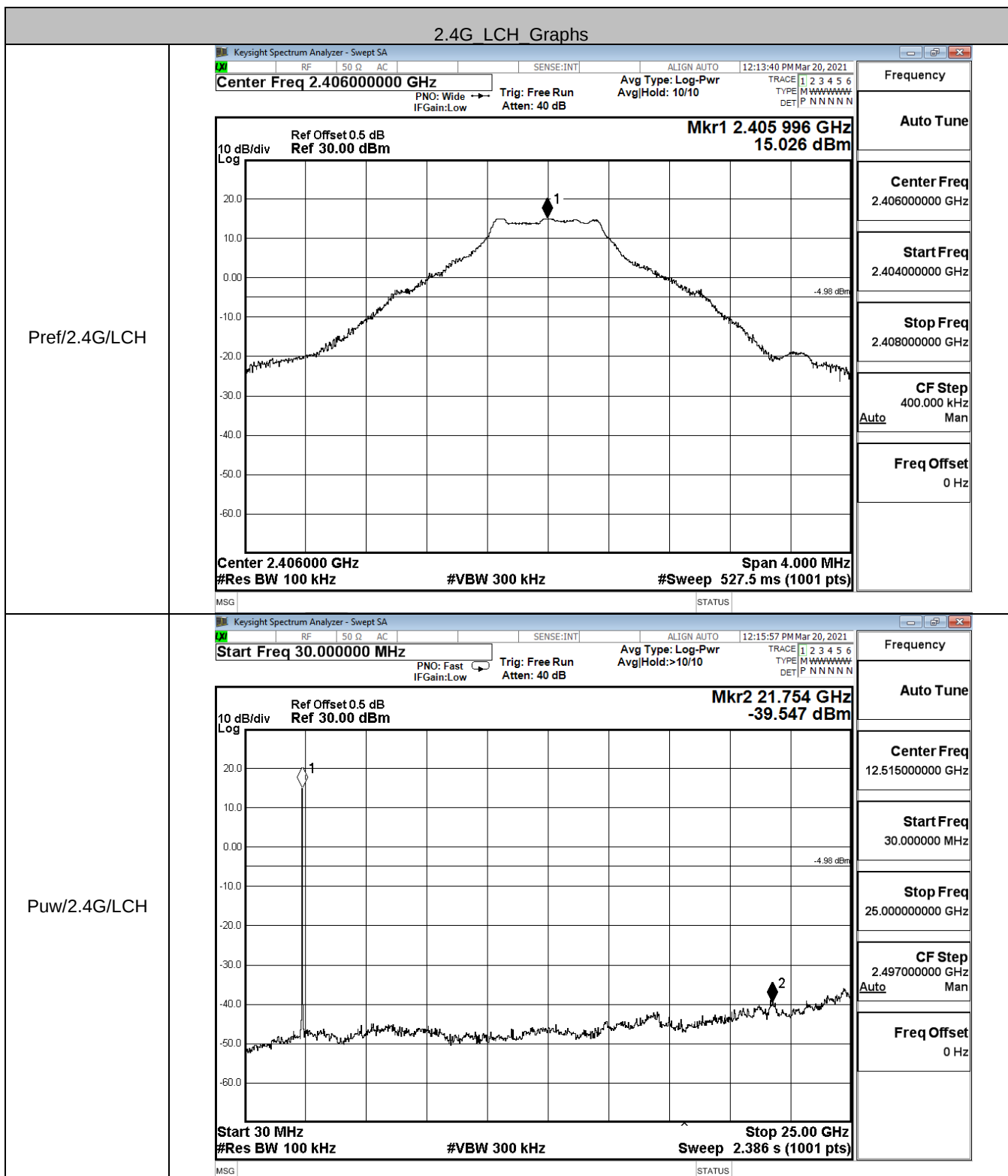


HCH



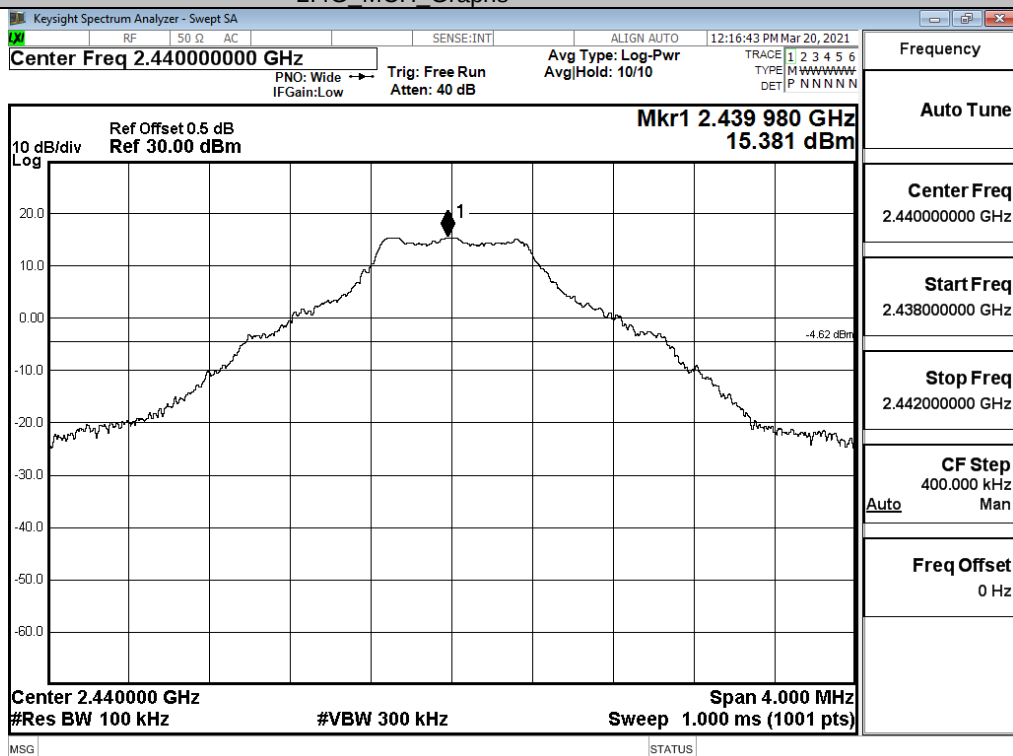
A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
2.4G	LCH	15.026	-39.547	-4.98	PASS
2.4G	MCH	15.381	-34.907	-4.62	PASS
2.4G	HCH	15.162	-36.380	-4.84	PASS

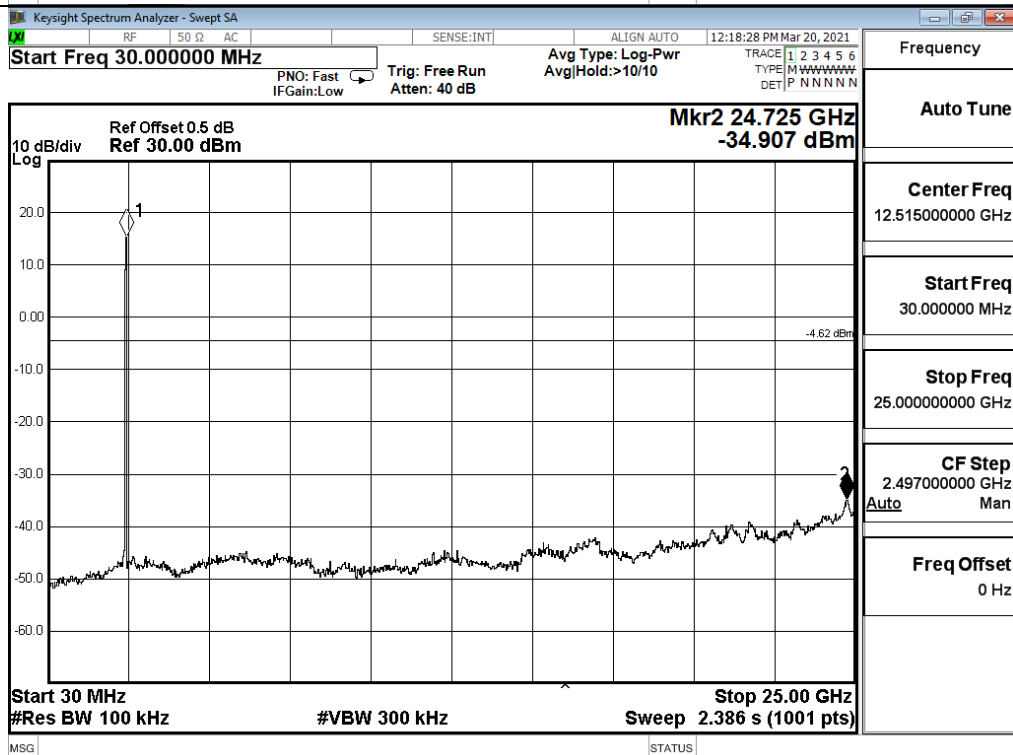


2.4G_MCH_Graphs

Pref/2.4G/MCH

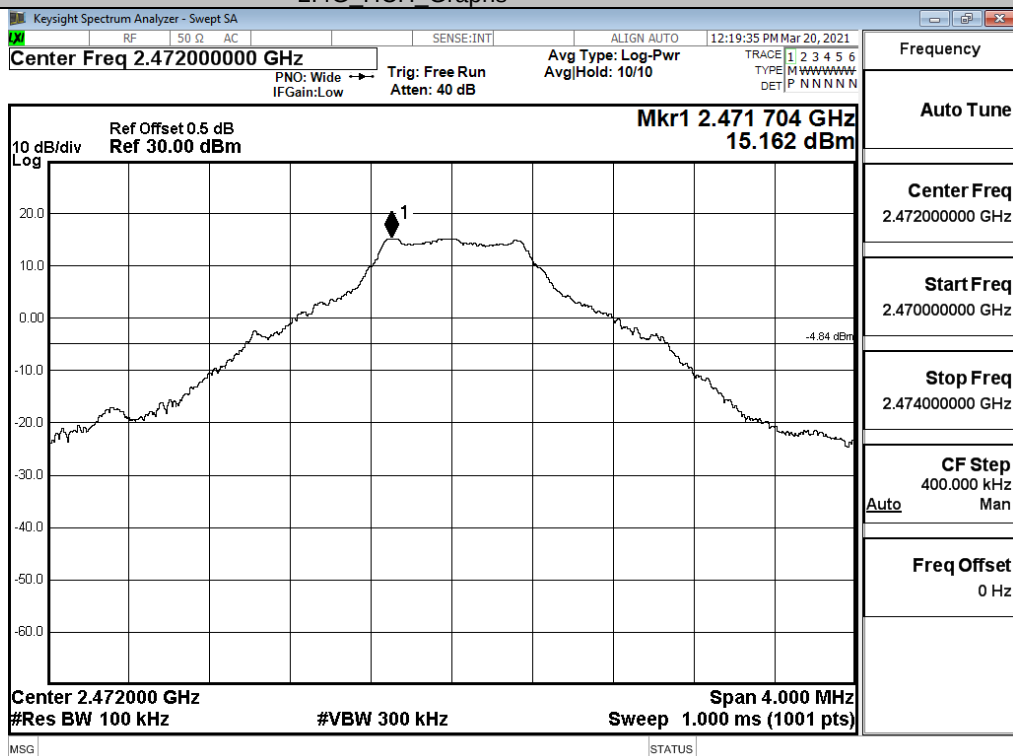


Puw/2.4G/MCH

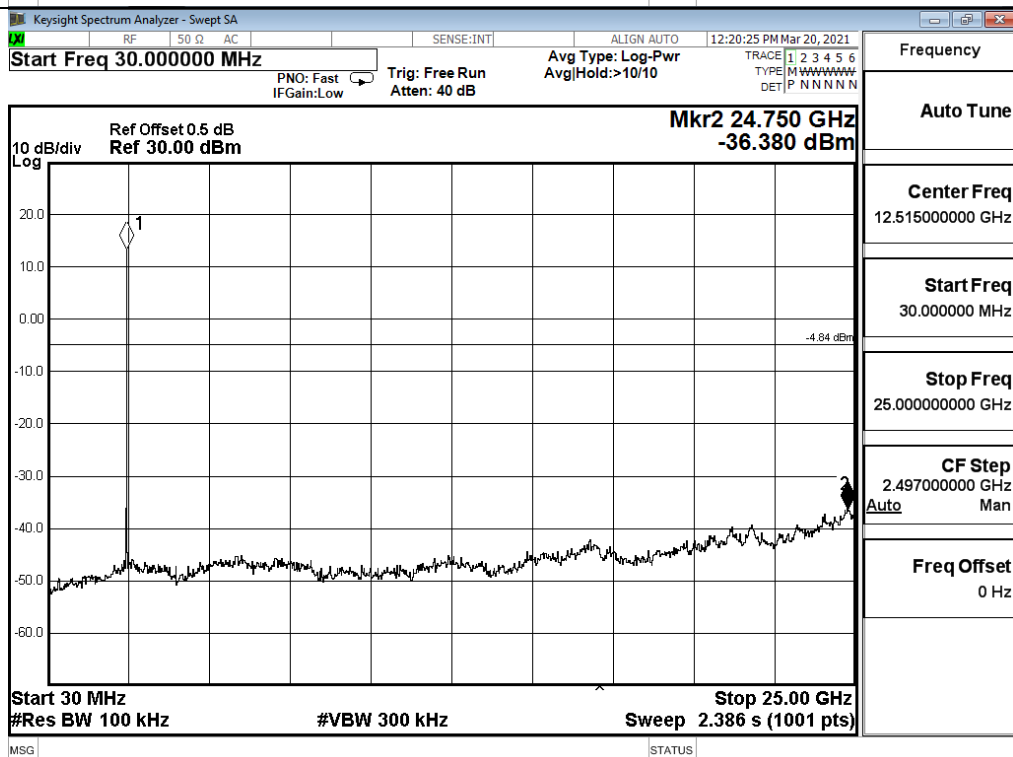


2.4G_HCH_Graphs

Pref/2.4G/HCH



Puw/2.4G/HCH

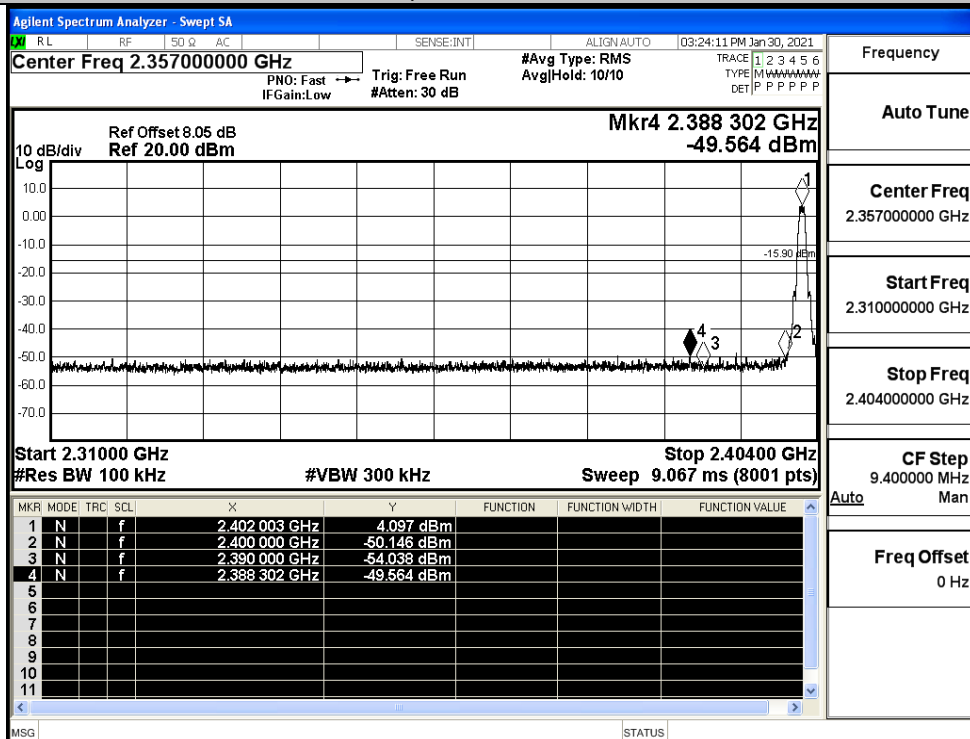


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
2.4G	LCH	15.334	-32.252	-4.67	PASS
2.4G	HCH	15.415	-36.046	-4.58	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

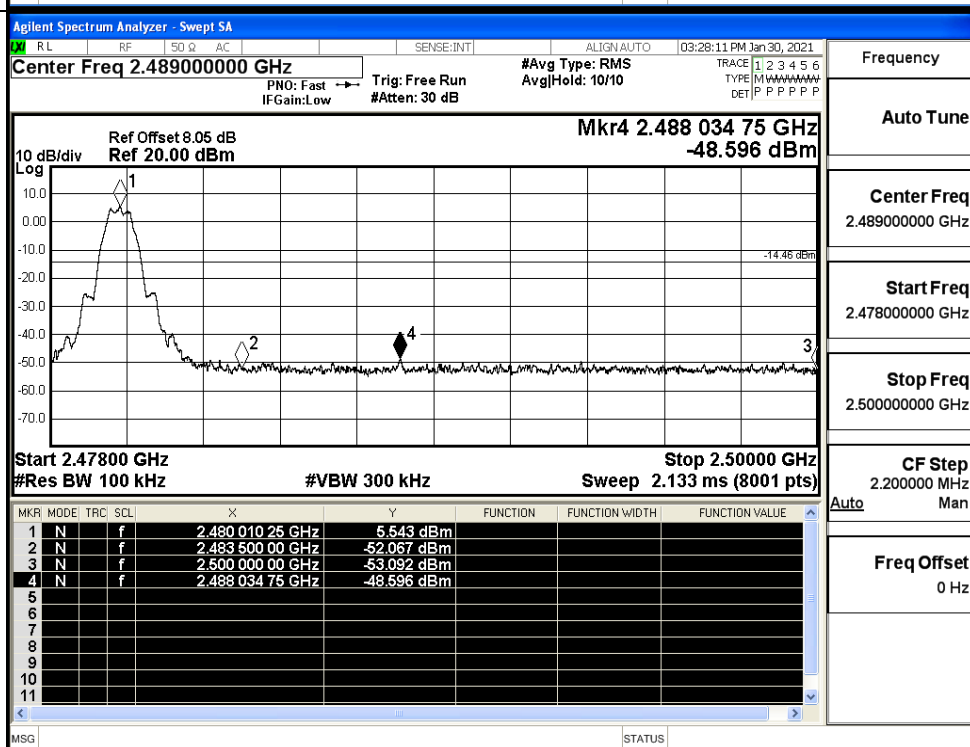
9.400000 MHz

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

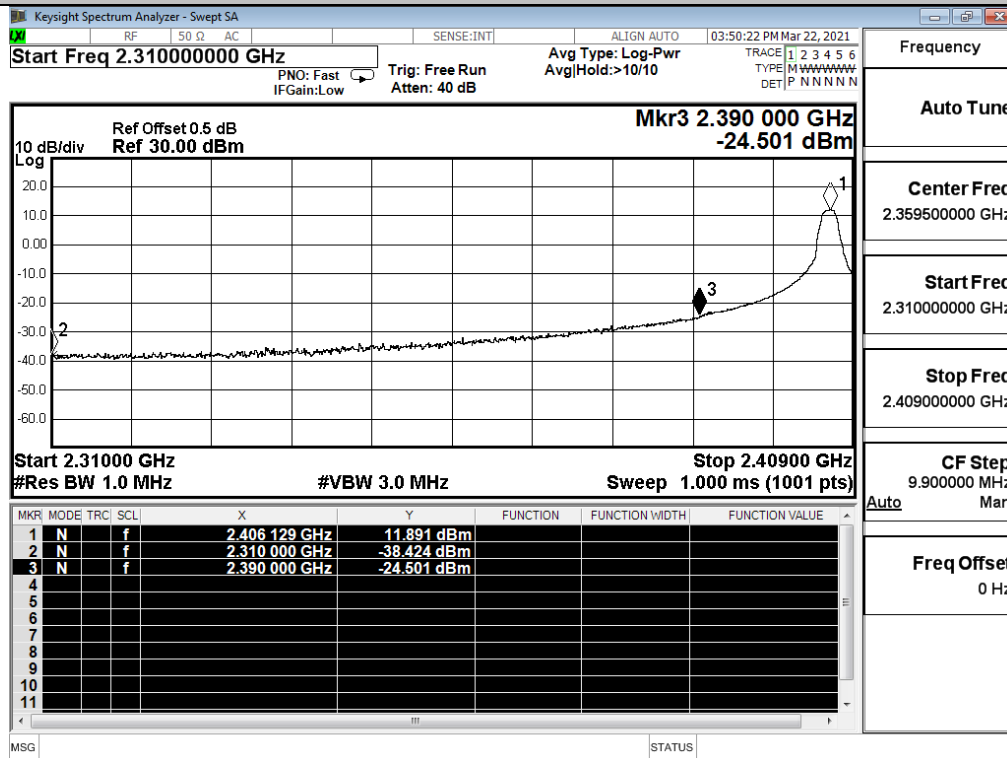
Freq Offset

0 Hz

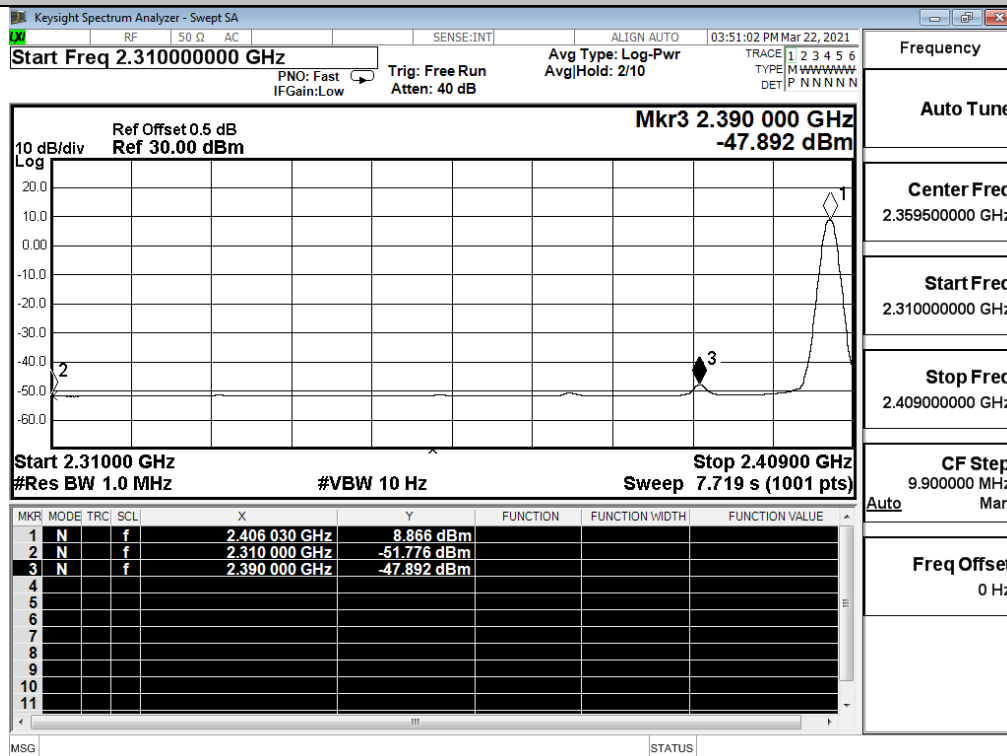
A.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
2.4G	2402	Ant1	2310.0	-38.42	2.0	0	58.84	PEAK	74	PASS
		Ant1	2310.0	-51.78	2.0	0	45.48	AV	54	PASS
		Ant1	2390.0	-24.50	2.0	0	72.76	PEAK	74	PASS
		Ant1	2390.0	-47.89	2.0	0	49.37	AV	54	PASS
	2480	Ant1	2483.5	-23.88	2.0	0	73.38	PEAK	74	PASS
		Ant1	2483.5	-51.30	2.0	0	45.96	AV	54	PASS
		Ant1	2500.0	-30.94	2.0	0	66.32	PEAK	74	PASS
		Ant1	2500.0	-51.51	2.0	0	45.75	AV	54	PASS

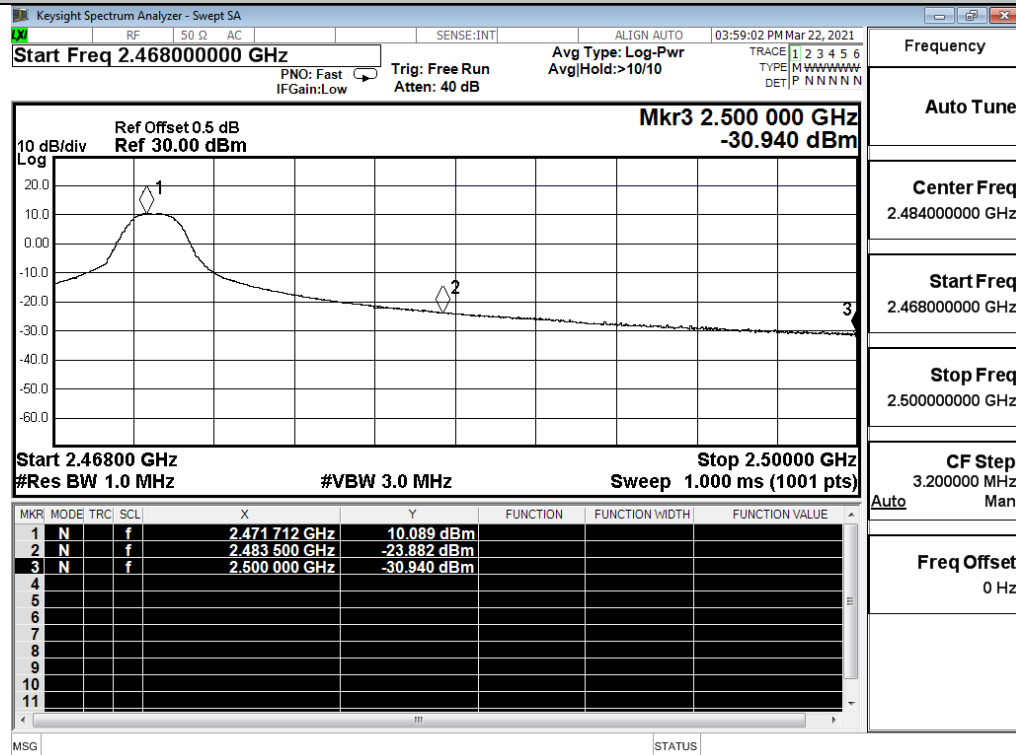
Restrict-band band-edge measurements_2.4G_2406_Ant1_PEAK



Restrict-band band-edge measurements_2.4G_2406_Ant1_AV



Restrict-band band-edge measurements_2.4G_2472_Ant1_PEAK



Restrict-band band-edge measurements_2.4G_2472_Ant1_AV

