

Appendix A

RF Test Data for 2.4G (Conducted Measurement)

Product Name: 2.4GHz Wireless Conference Microphone

Trade Mark: BOYA

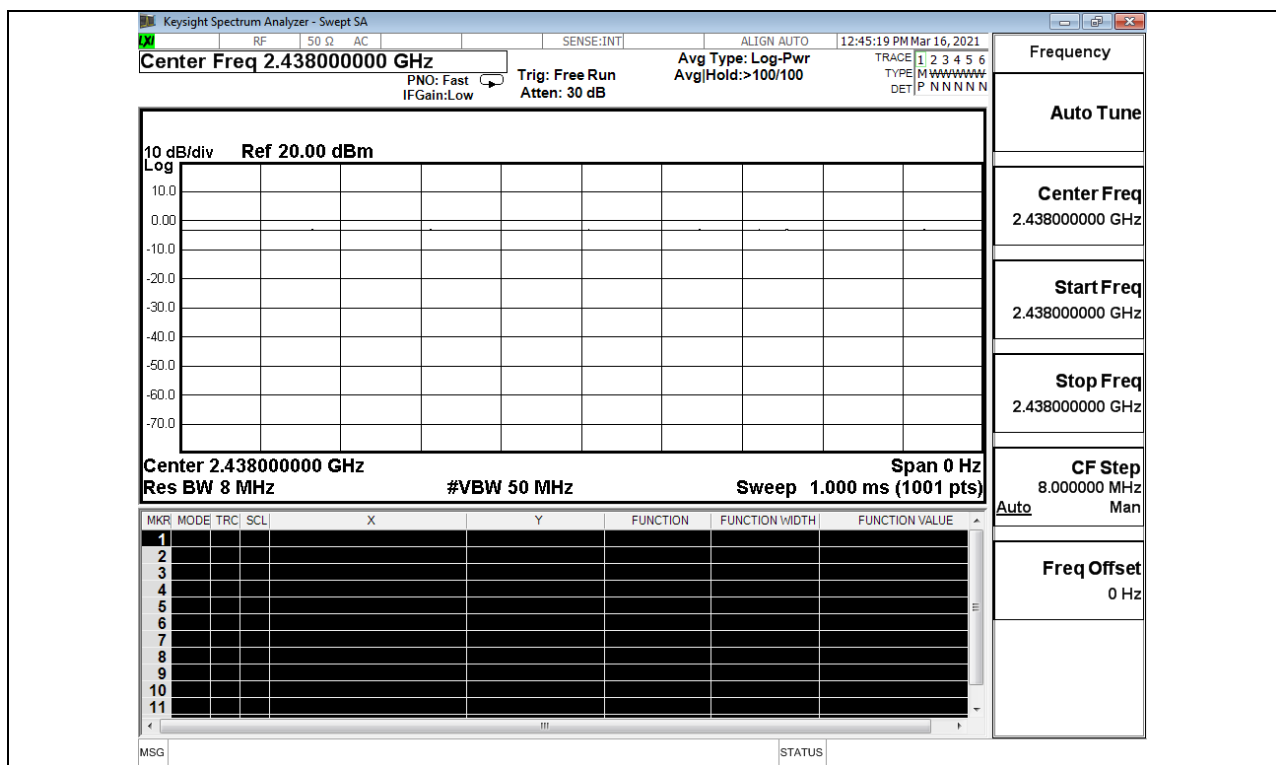
Test Model: BY-BMW700

Environmental Conditions

Temperature:	24.2° C
Relative Humidity:	57.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

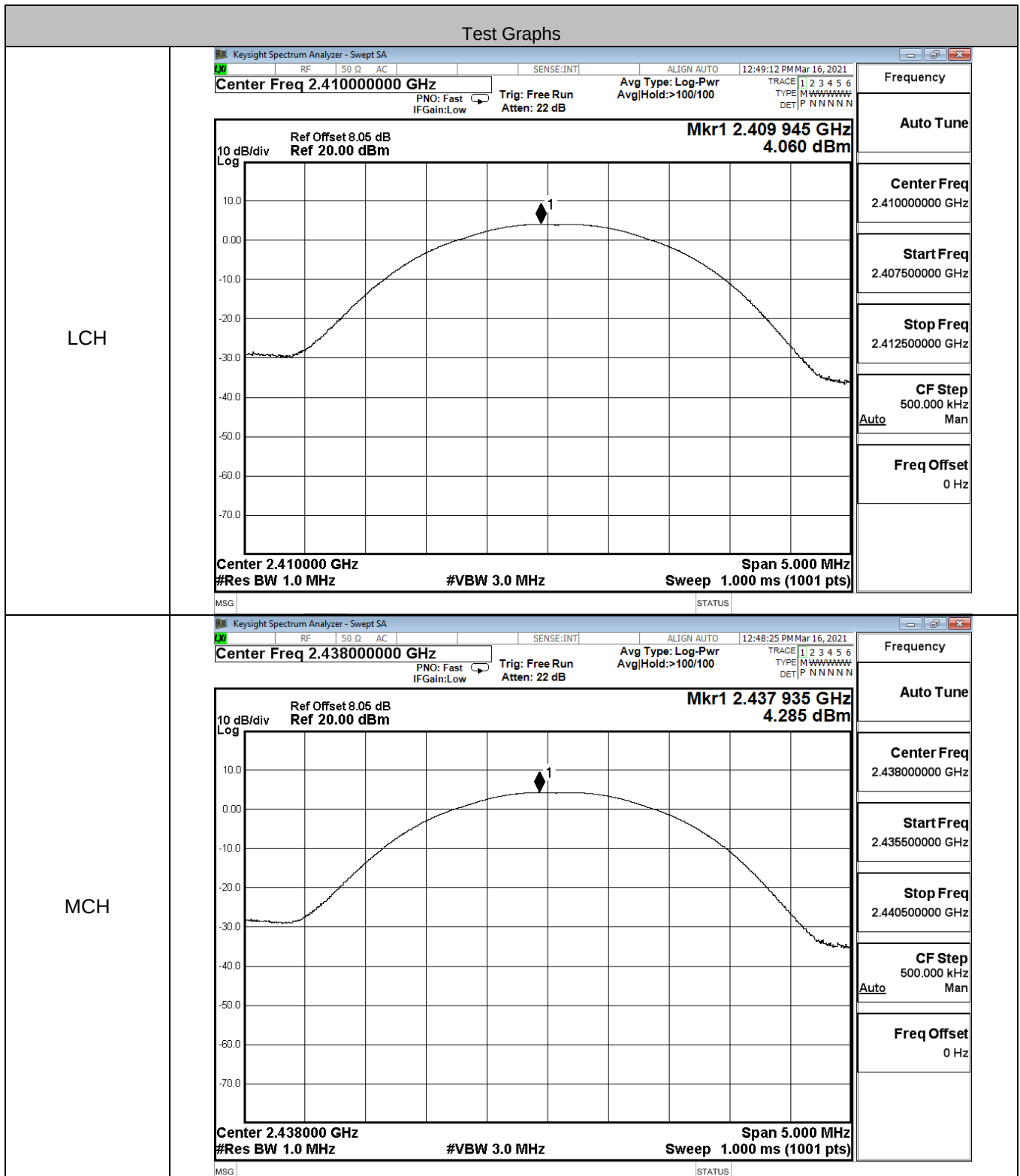
A.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
2.4G	2438	Ant1	100	PASS

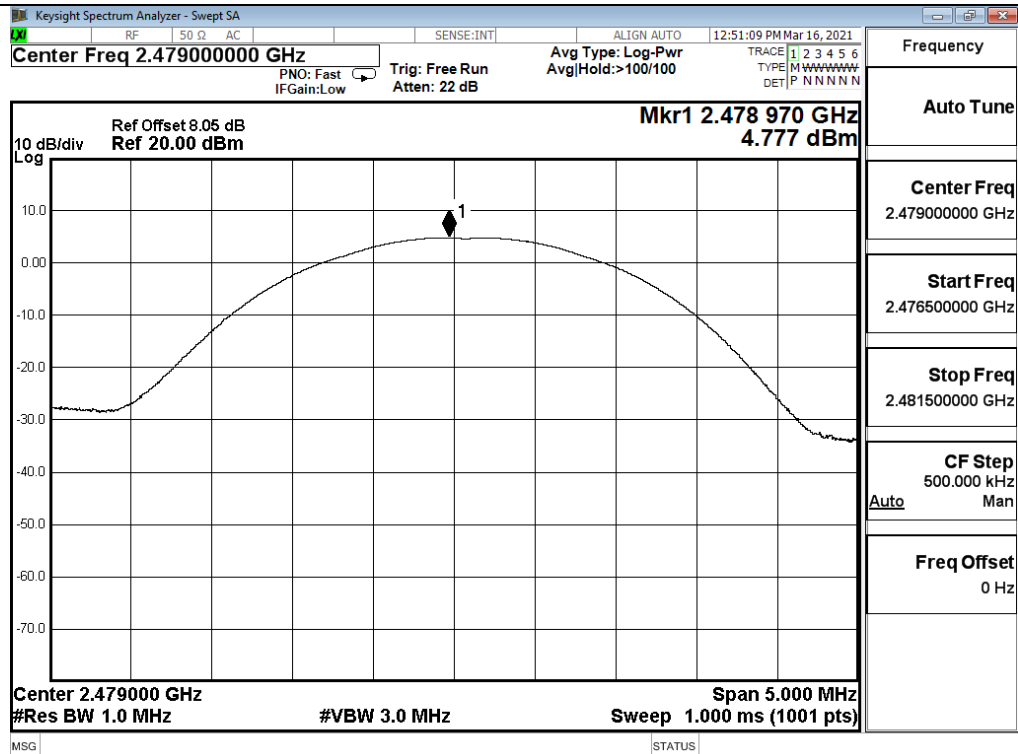


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
2.4G	LCH	4.060	30	PASS
2.4G	MCH	4.285	30	PASS
2.4G	HCH	4.777	30	PASS

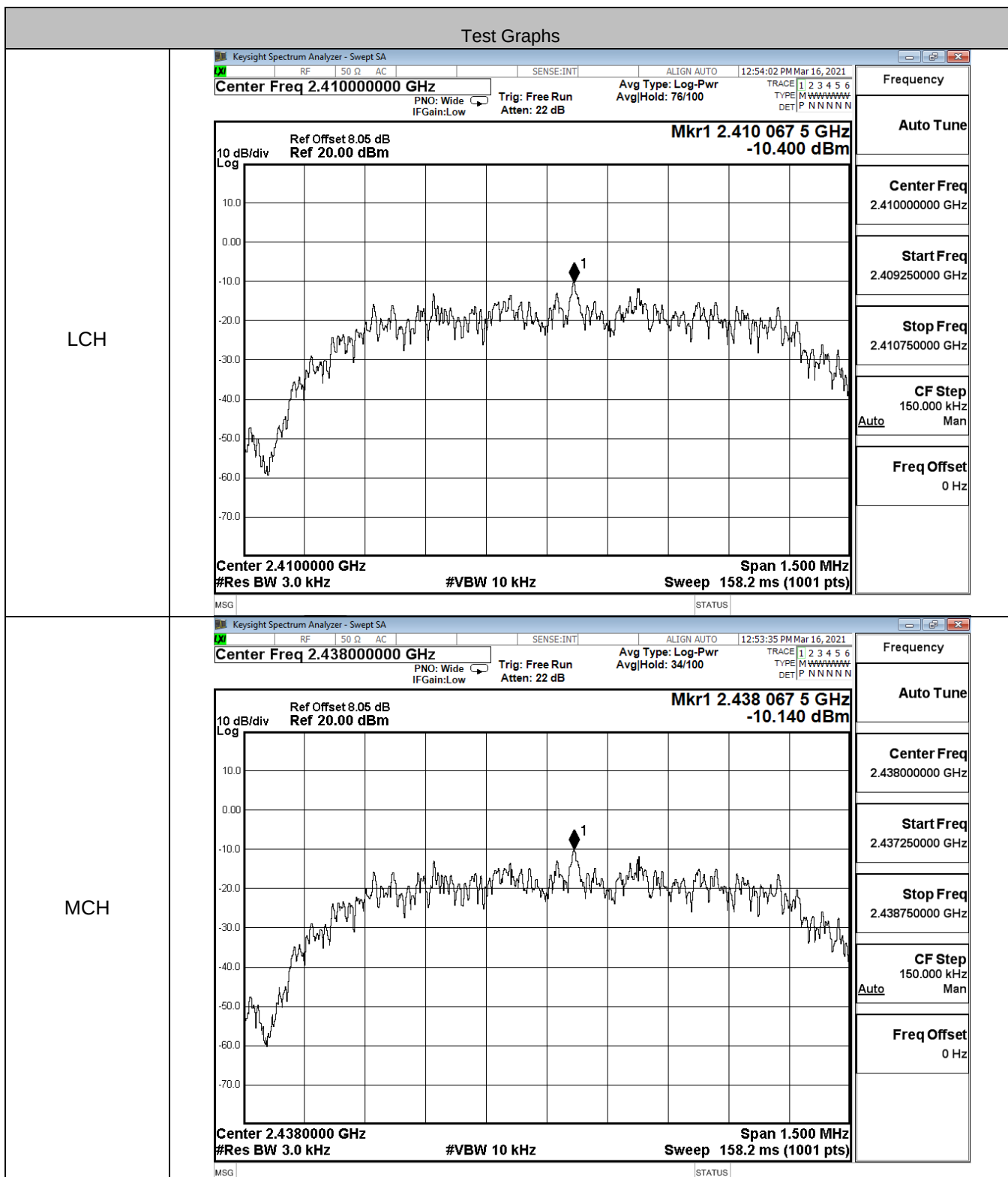


HCH

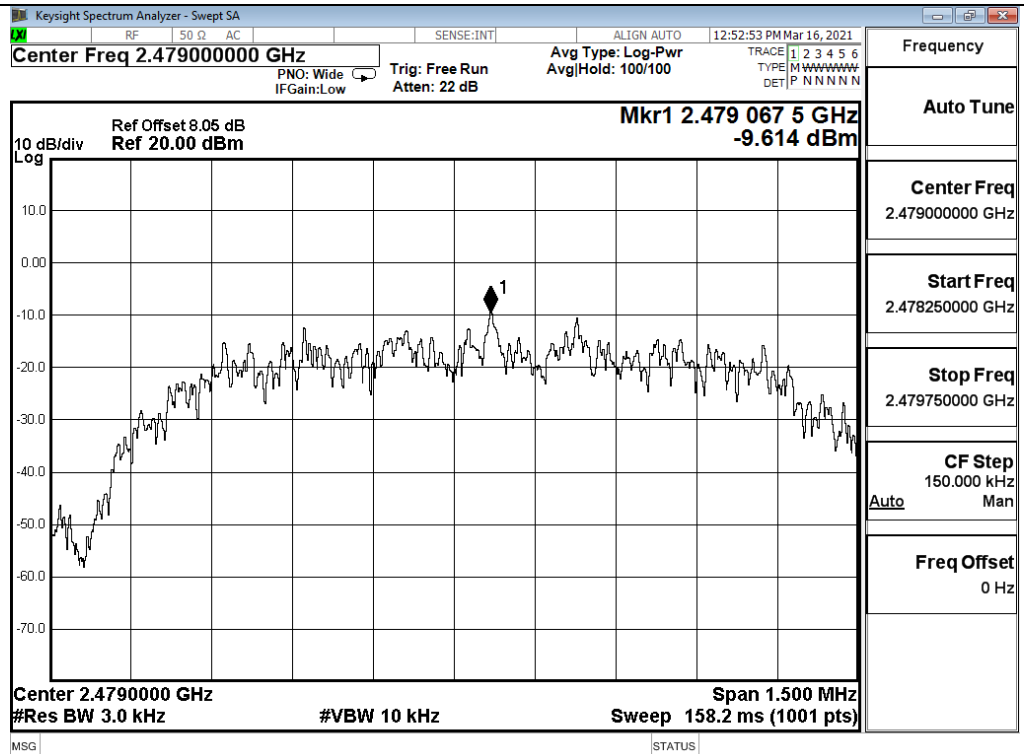


A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
2.4G	LCH	-10.400	8	PASS
2.4G	MCH	-10.140	8	PASS
2.4G	HCH	-9.614	8	PASS

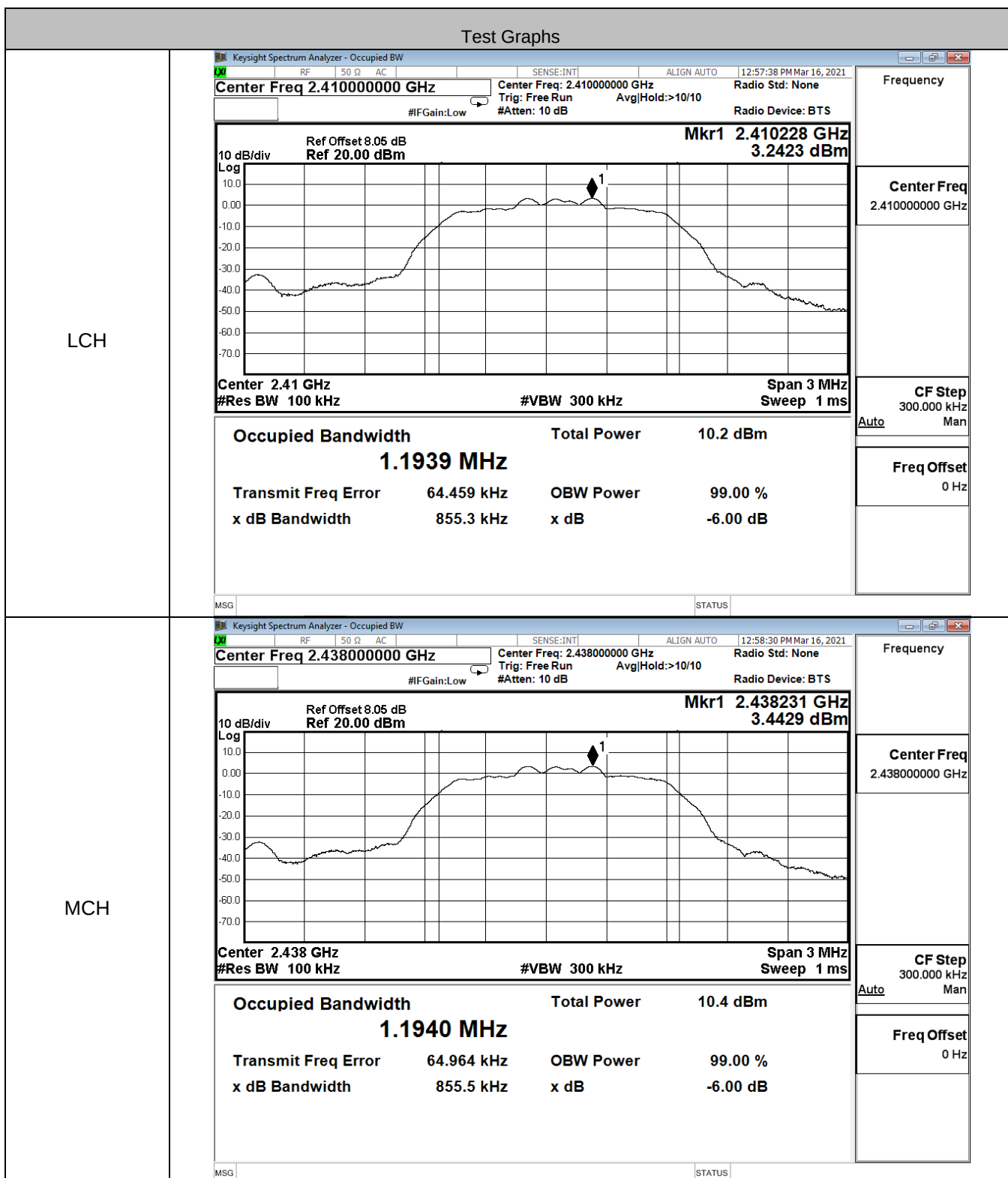


HCH

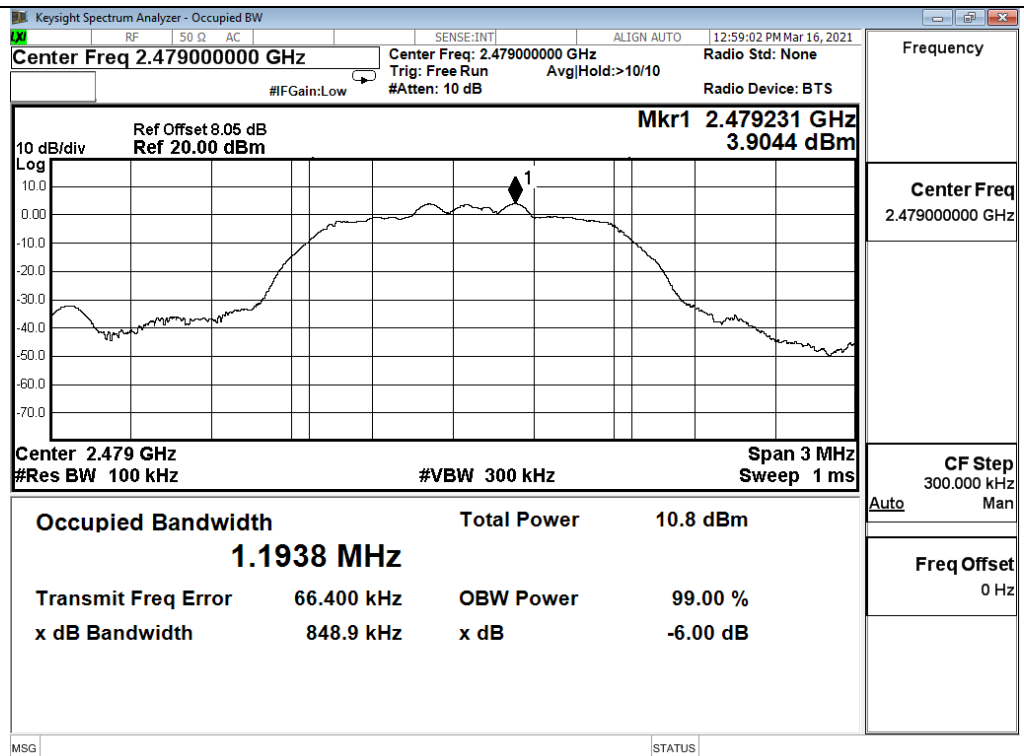


A.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
2.4G	LCH	0.8553	≥ 0.5	PASS
2.4G	MCH	0.8555	≥ 0.5	PASS
2.4G	HCH	0.8489	≥ 0.5	PASS

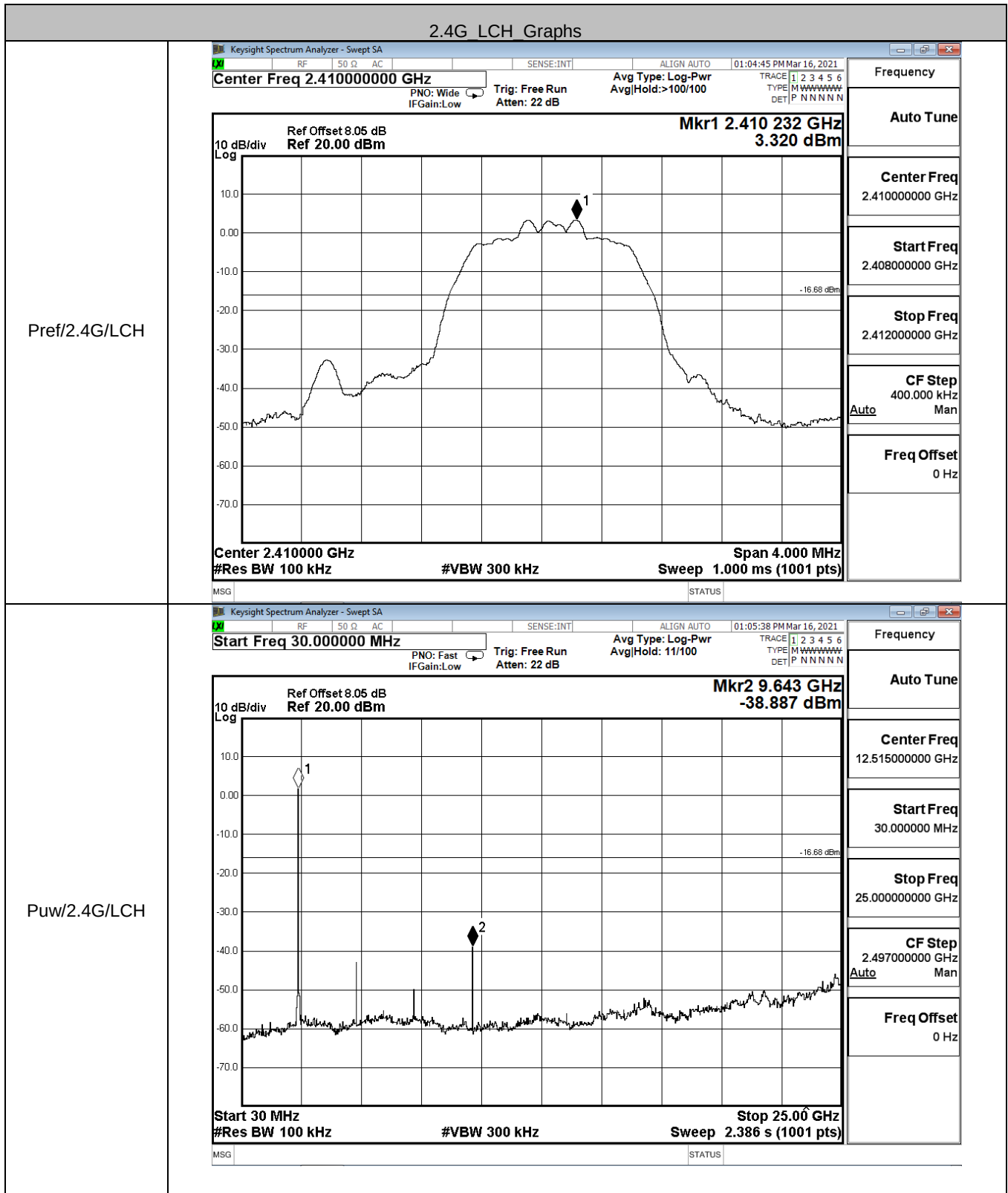


HCH



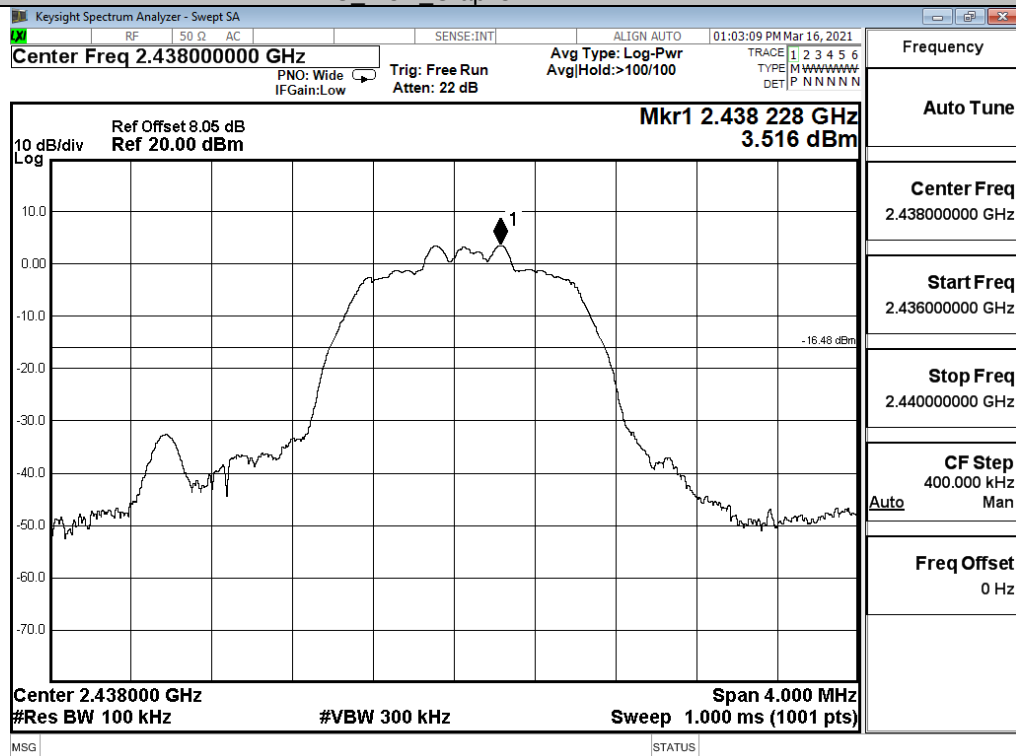
A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
2.4G	LCH	3.320	-38.887	-16.68	PASS
2.4G	MCH	3.518	-38.446	-16.48	PASS
2.4G	HCH	2.632	-38.081	-17.37	PASS

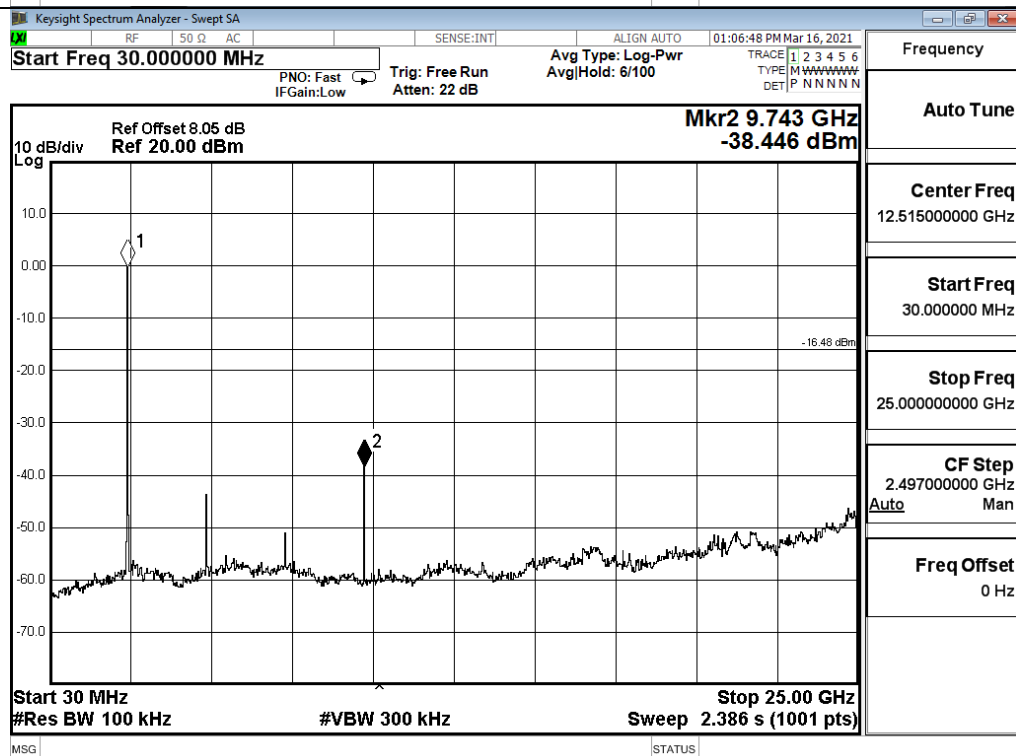


2.4G_MCH_Graphs

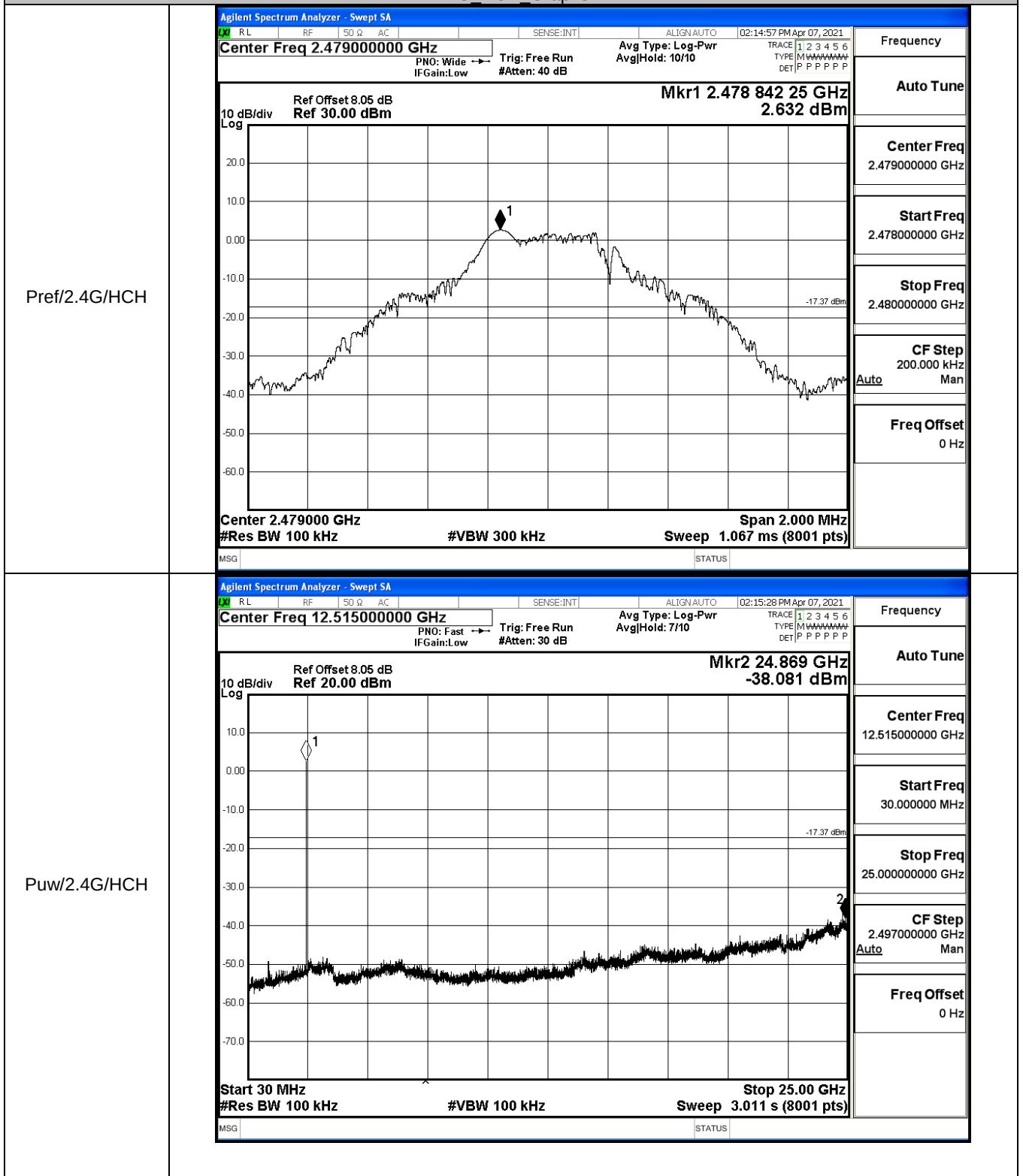
Pref/2.4G/MCH



Puw/2.4G/MCH



2.4G_HCH_Graphs

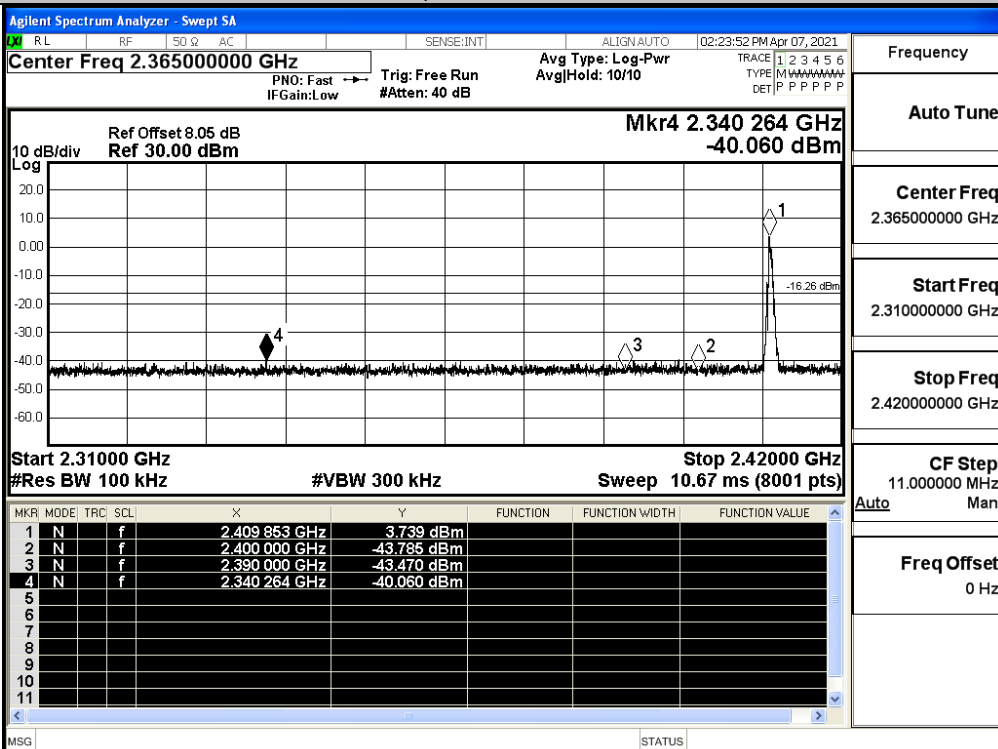


A.6 Band-edge for RF Conducted Emissions

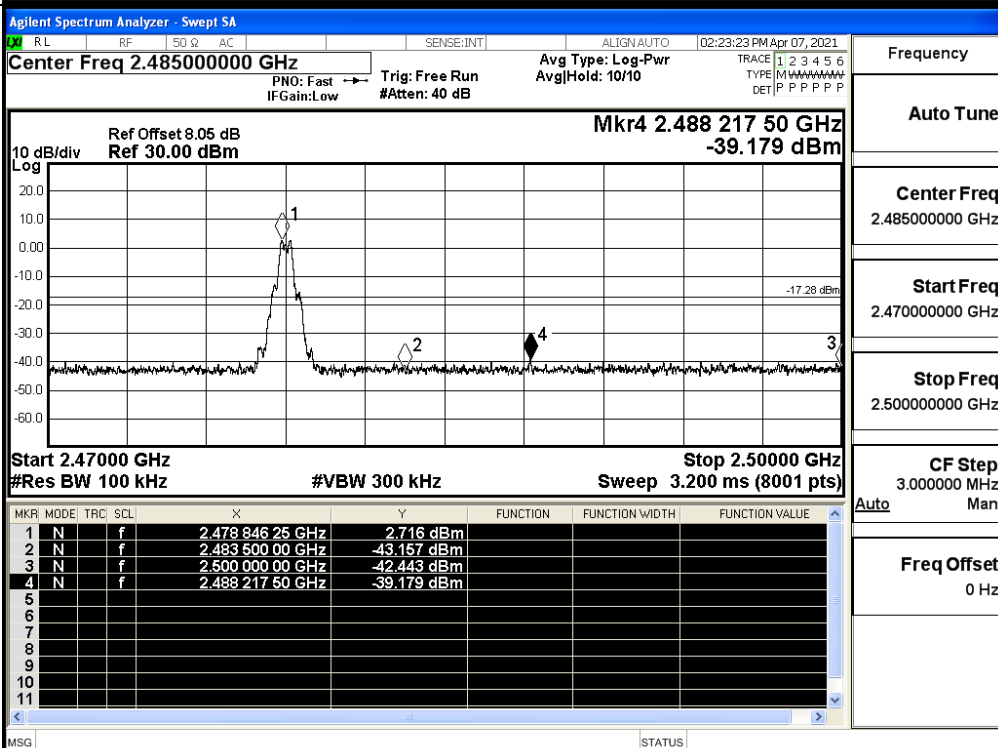
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
2.4G	LCH	3.739	-40.060	-16.26	PASS
2.4G	HCH	2.716	-39.179	-17.28	PASS

Test Graphs

LCH



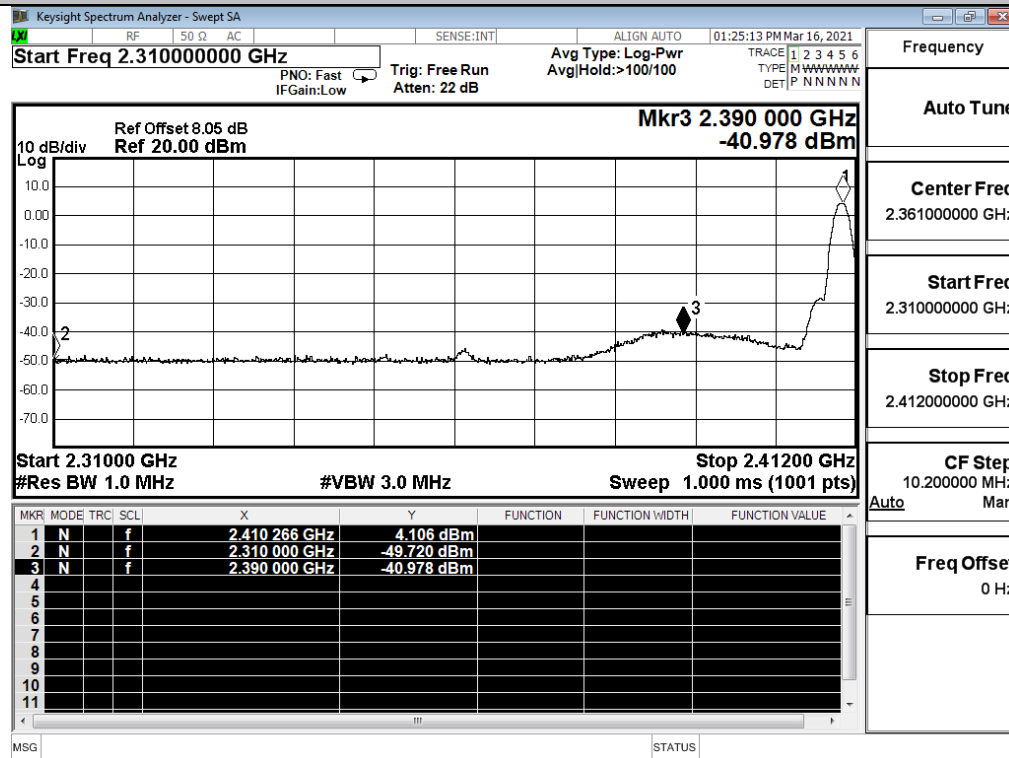
HCH



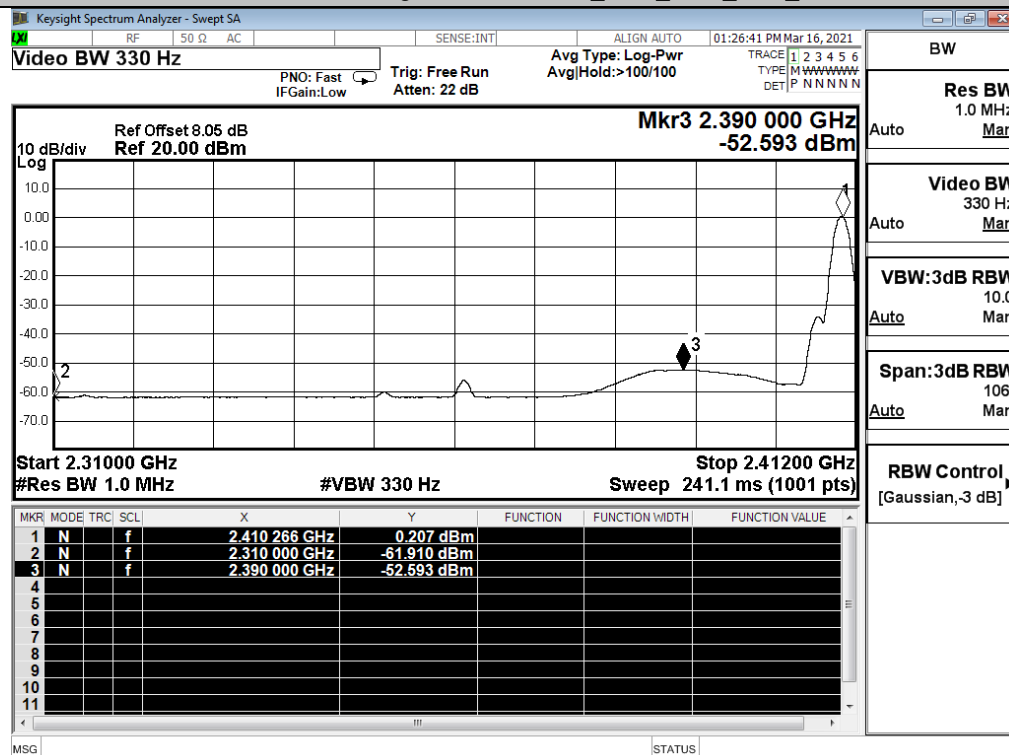
A.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
2.4G	2410	Ant1	2310.0	-49.72	2.0	0	47.51	PEAK	74	PASS
		Ant1	2310.0	-61.91	2.0	0	35.32	AV	54	PASS
		Ant1	2390.0	-40.98	2.0	0	56.25	PEAK	74	PASS
		Ant1	2390.0	-52.93	2.0	0	44.30	AV	54	PASS
	2479	Ant1	2483.5	-41.37	2.0	0	55.86	PEAK	74	PASS
		Ant1	2483.5	-53.15	2.0	0	44.08	AV	54	PASS
		Ant1	2500.0	-40.52	2.0	0	56.71	PEAK	74	PASS
		Ant1	2500.0	-52.21	2.0	0	45.02	AV	54	PASS

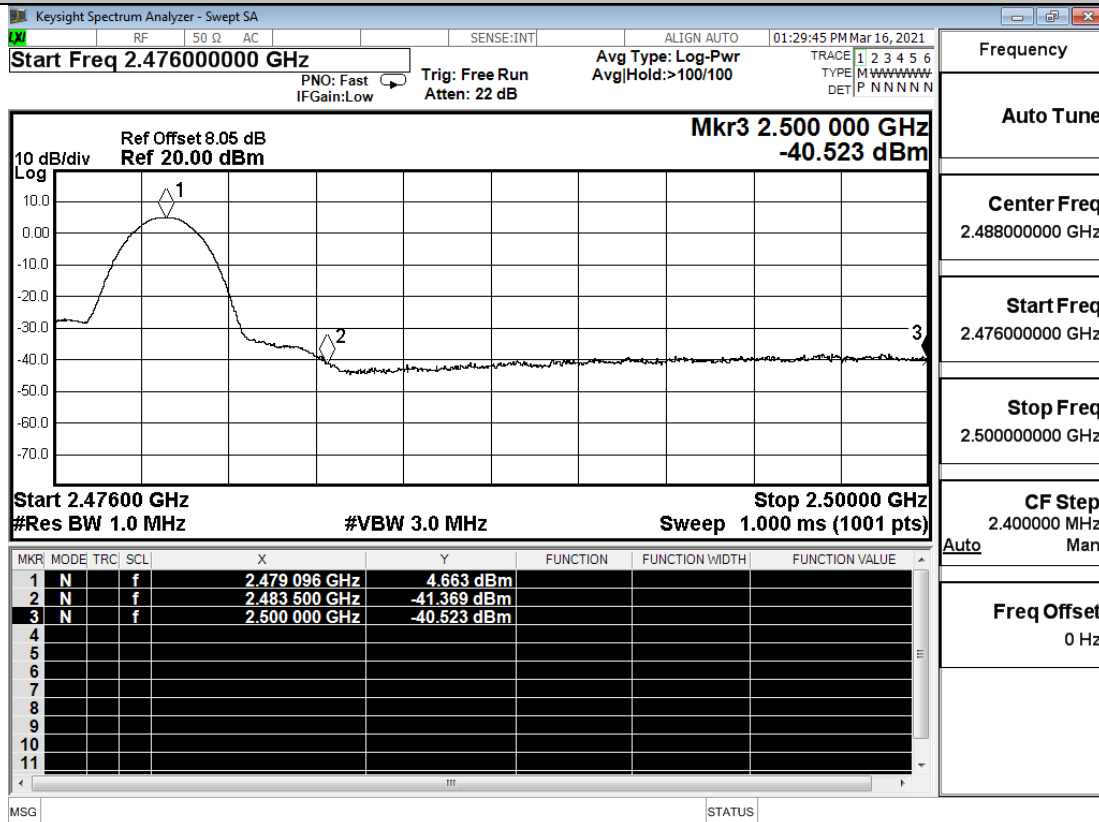
Restrict-band band-edge measurements_2.4G_2410_Ant1_PEAK



Restrict-band band-edge measurements_2.4G_2410_Ant1_AV



Restrict-band band-edge measurements_2.4G_2479_Ant1_PEAK



Restrict-band band-edge measurements_2.4G_2479_Ant1_AV

