

Appendix A

RF Test Data for 2.4G (Conducted Measurement)

Product Name: Remote Control

Trade Mark: NEEWER

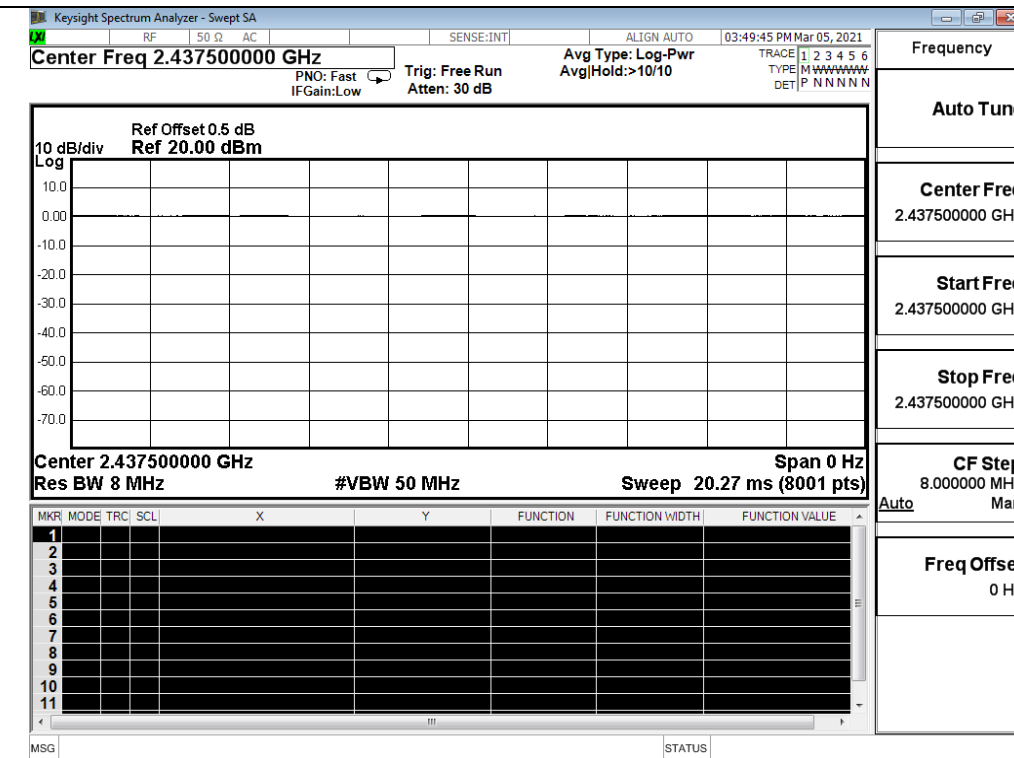
Test Model: RC-2

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

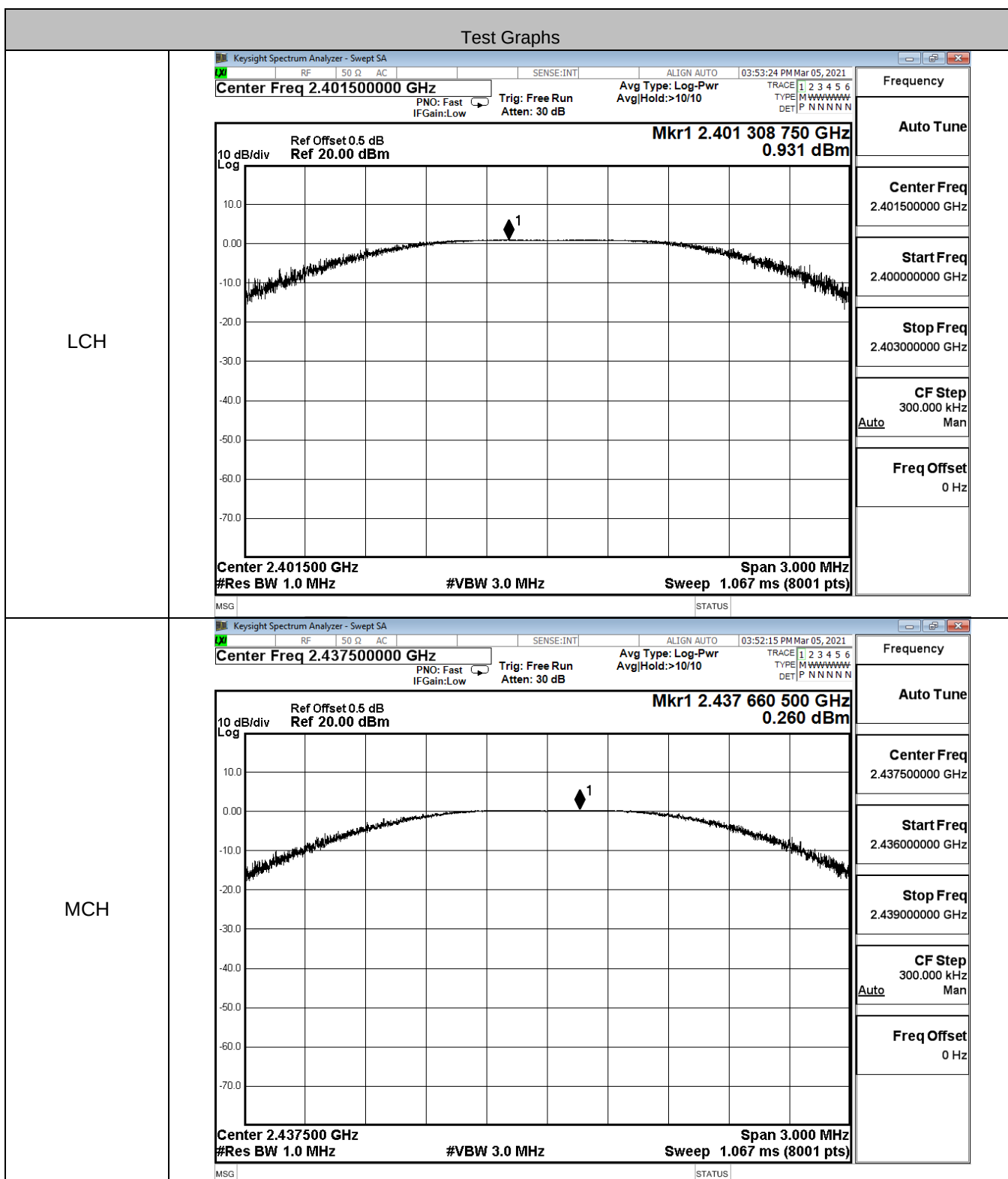
A.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
GFSK	2437.5	Ant1	100	PASS

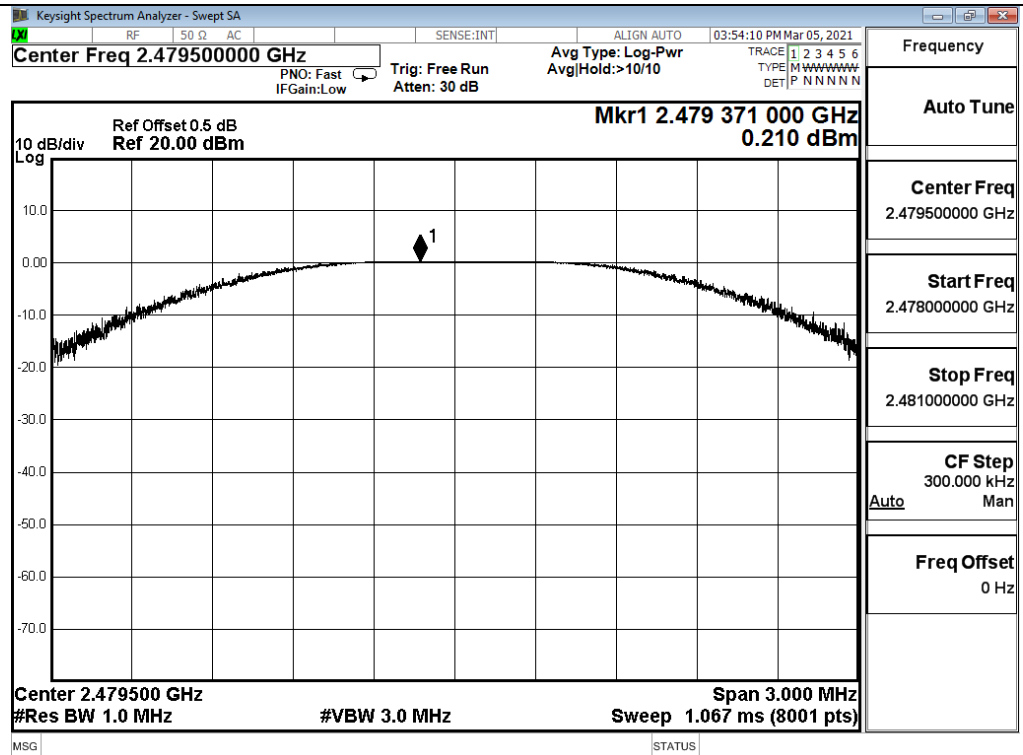


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
GFSK	LCH	0.931	30	PASS
GFSK	MCH	0.260	30	PASS
GFSK	HCH	0.210	30	PASS



HCH

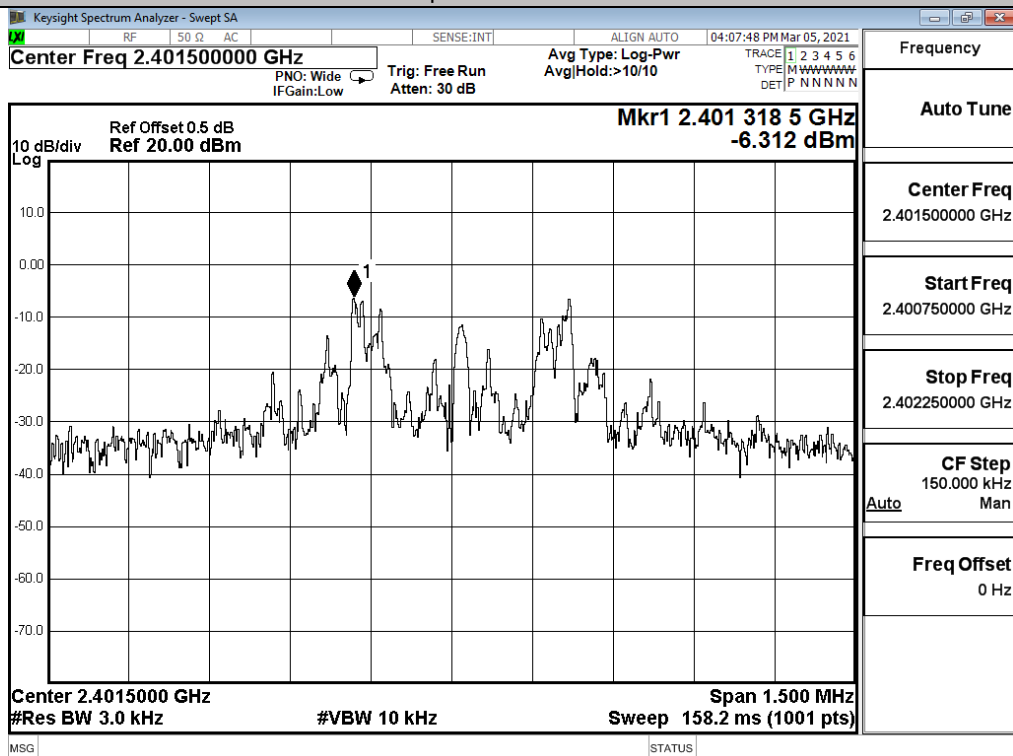


A.3 Maximum Power Spectral Density

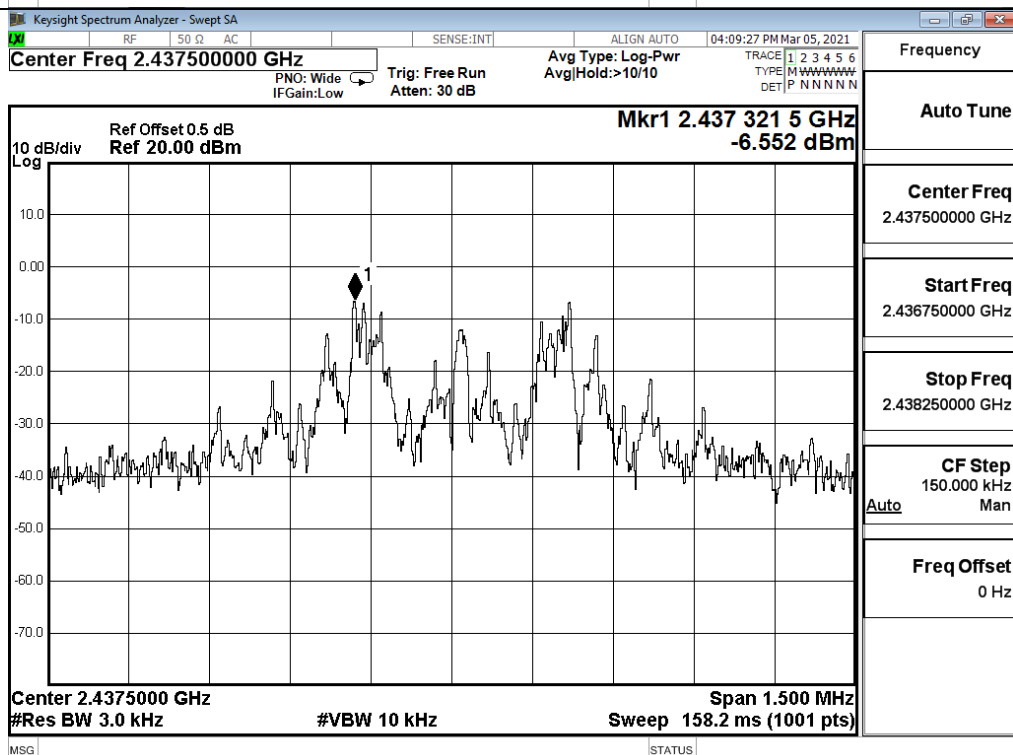
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
GFSK	LCH	-6.312	8	PASS
GFSK	MCH	-6.552	8	PASS
GFSK	HCH	-6.583	8	PASS

Test Graphs

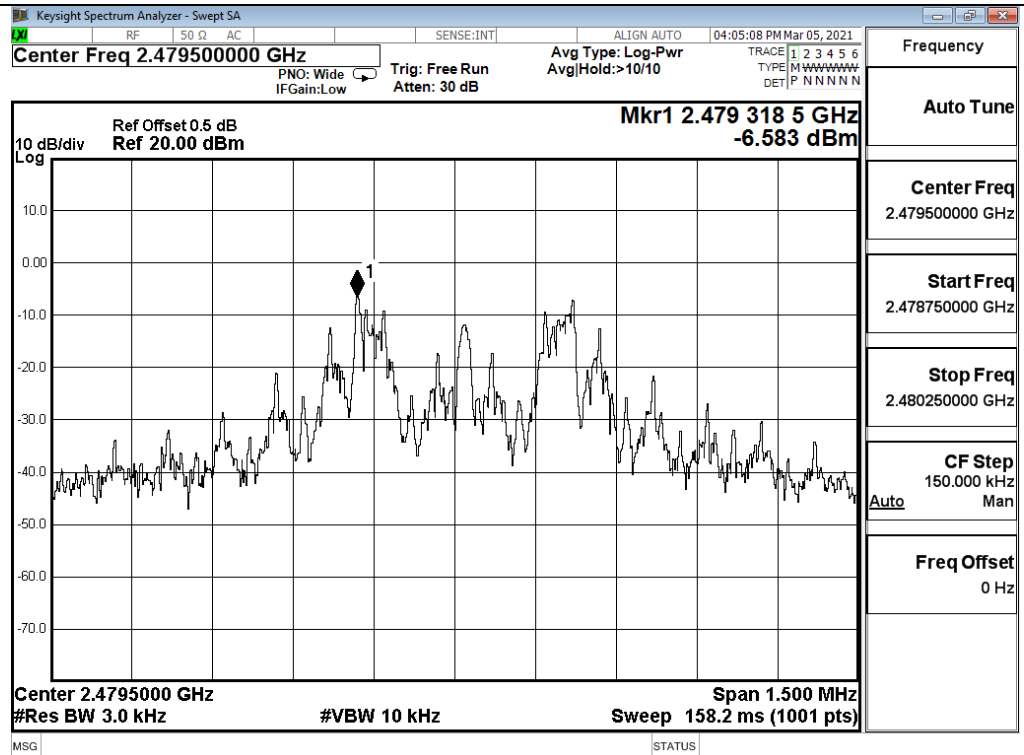
LCH



MCH



HCH

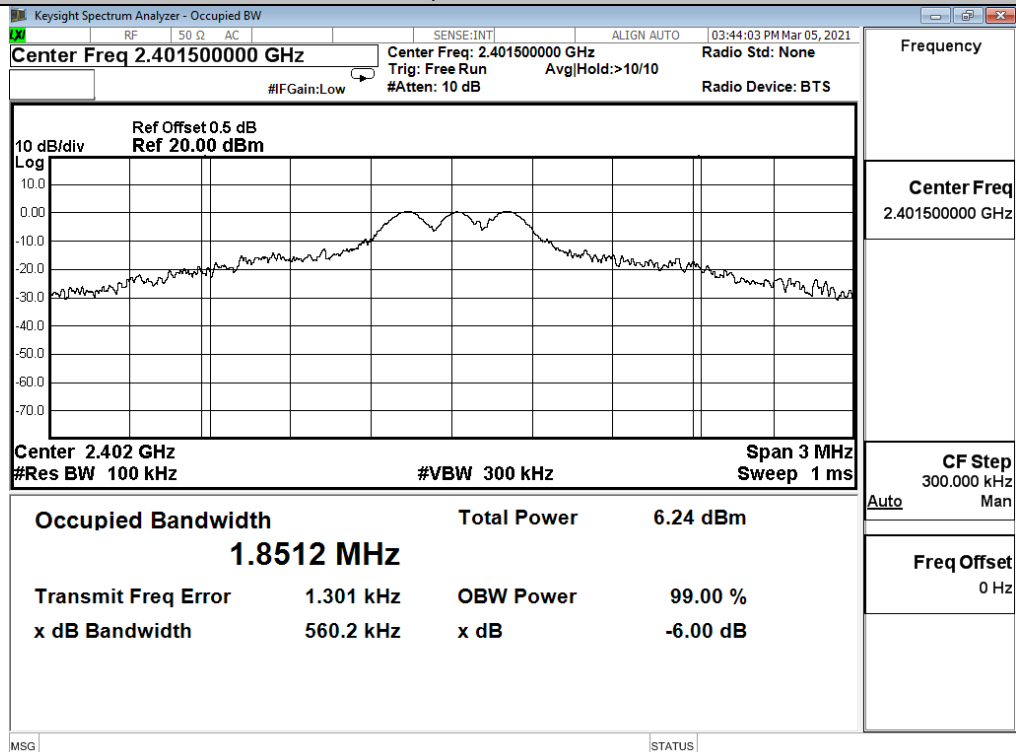


A.4 6dB Bandwidth

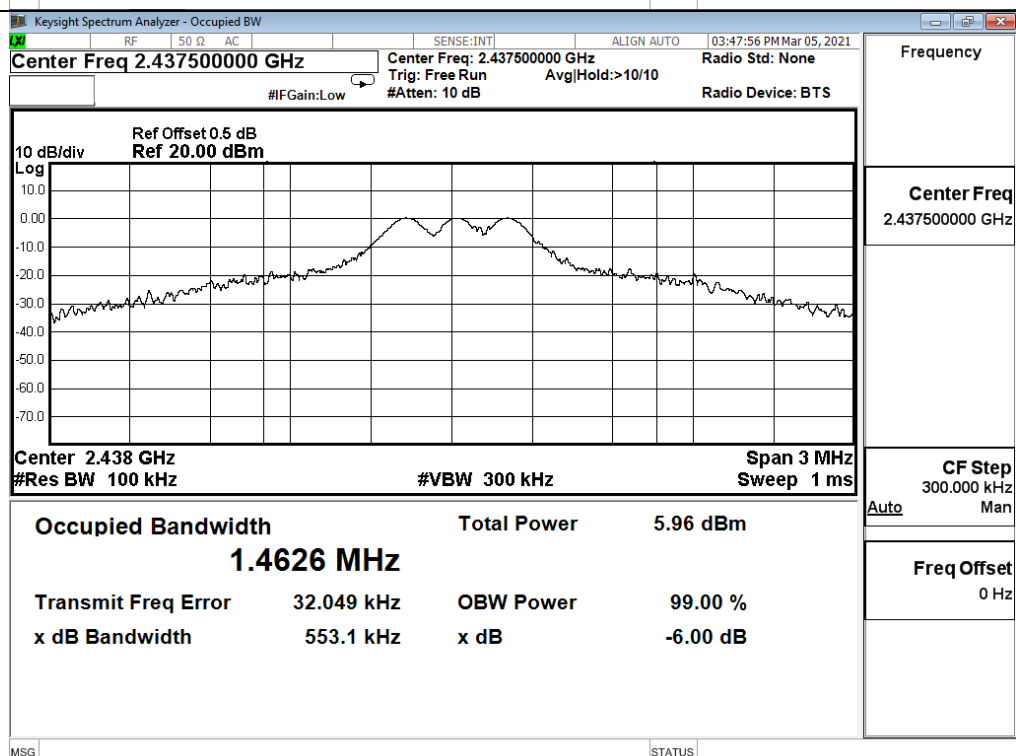
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.5602	≥ 0.5	PASS
GFSK	MCH	0.5531	≥ 0.5	PASS
GFSK	HCH	0.5538	≥ 0.5	PASS

Test Graphs

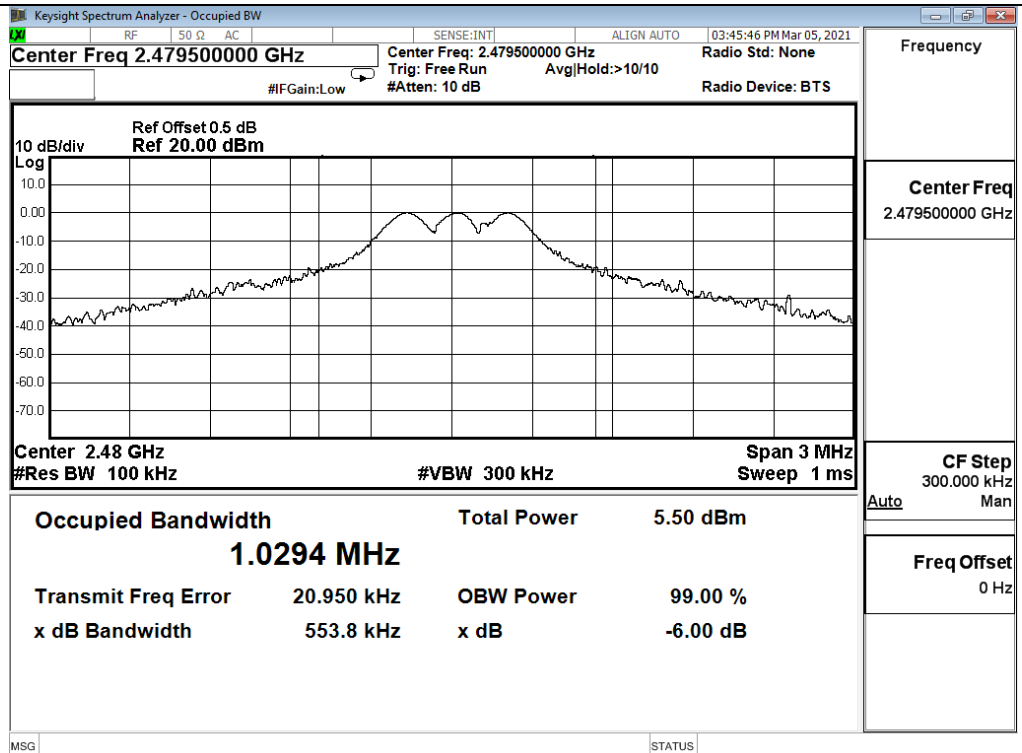
LCH



MCH

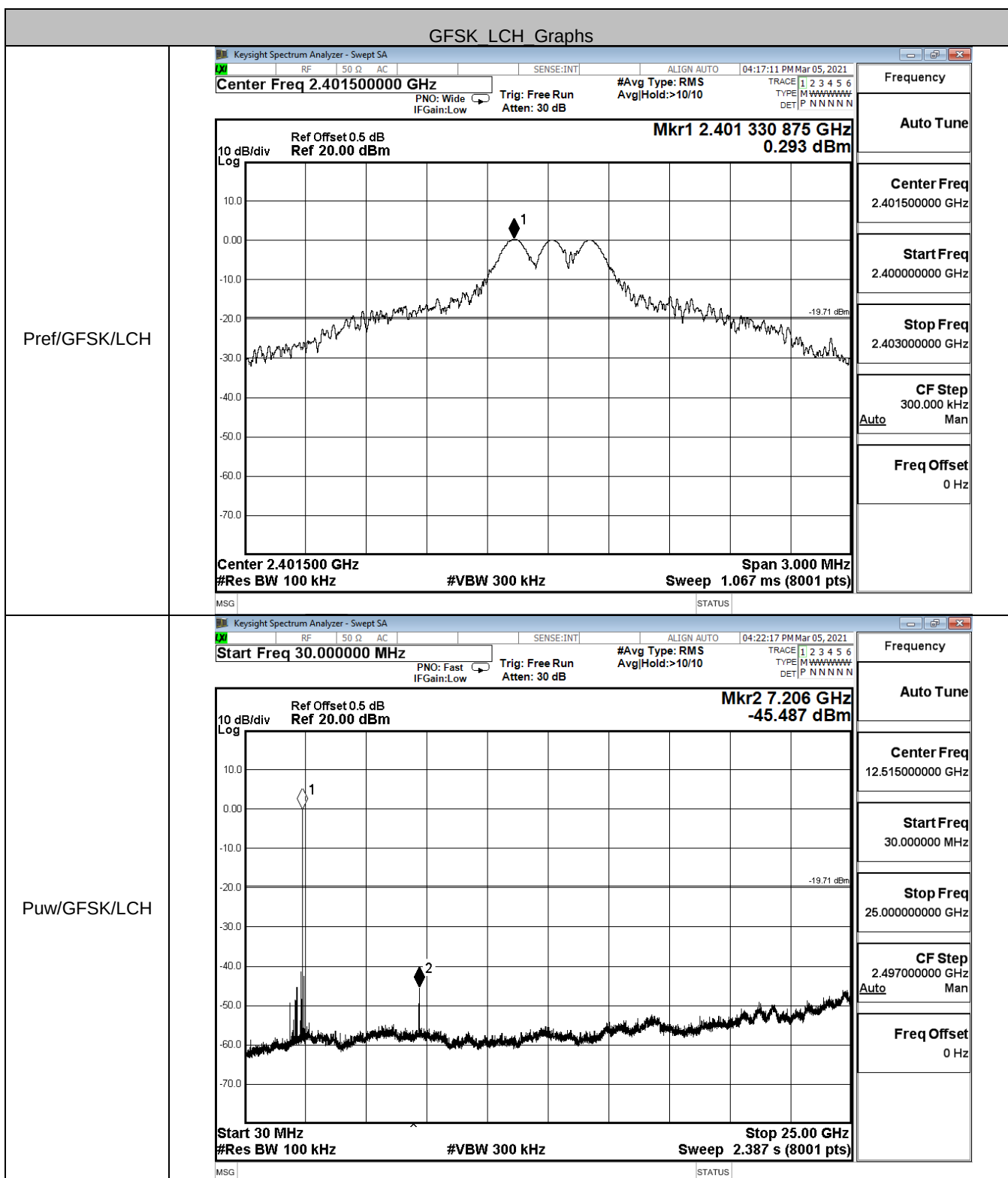


HCH



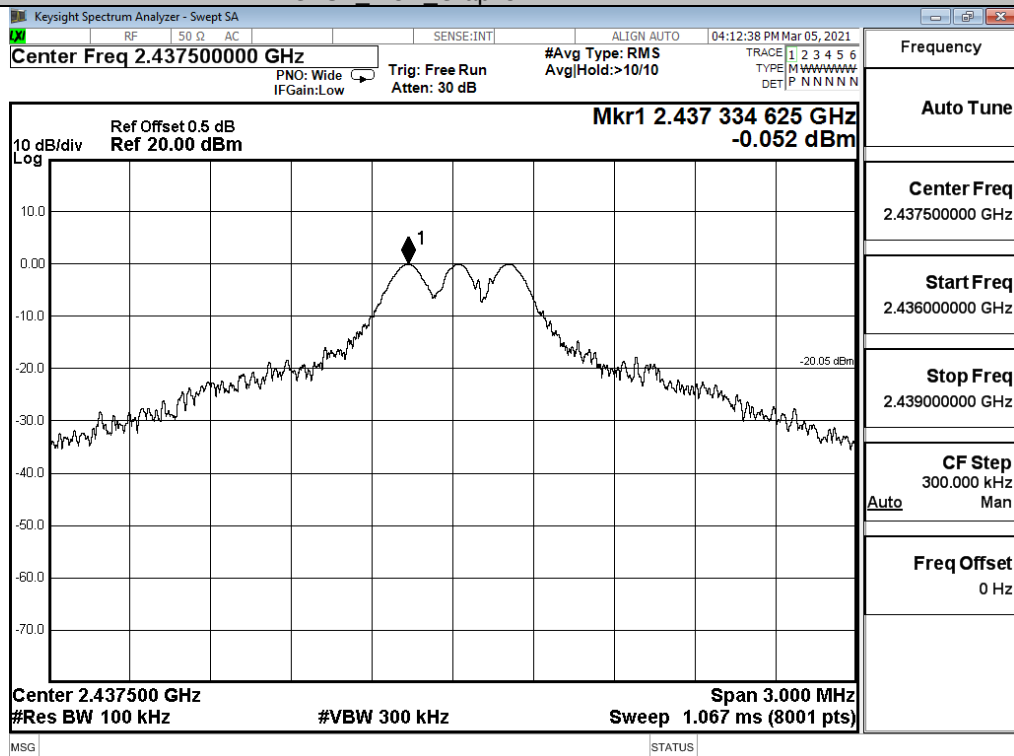
A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	0.293	-45.487	-19.71	PASS
GFSK	MCH	-0.052	-41.290	-20.05	PASS
GFSK	HCH	0.047	-49.013	-19.95	PASS

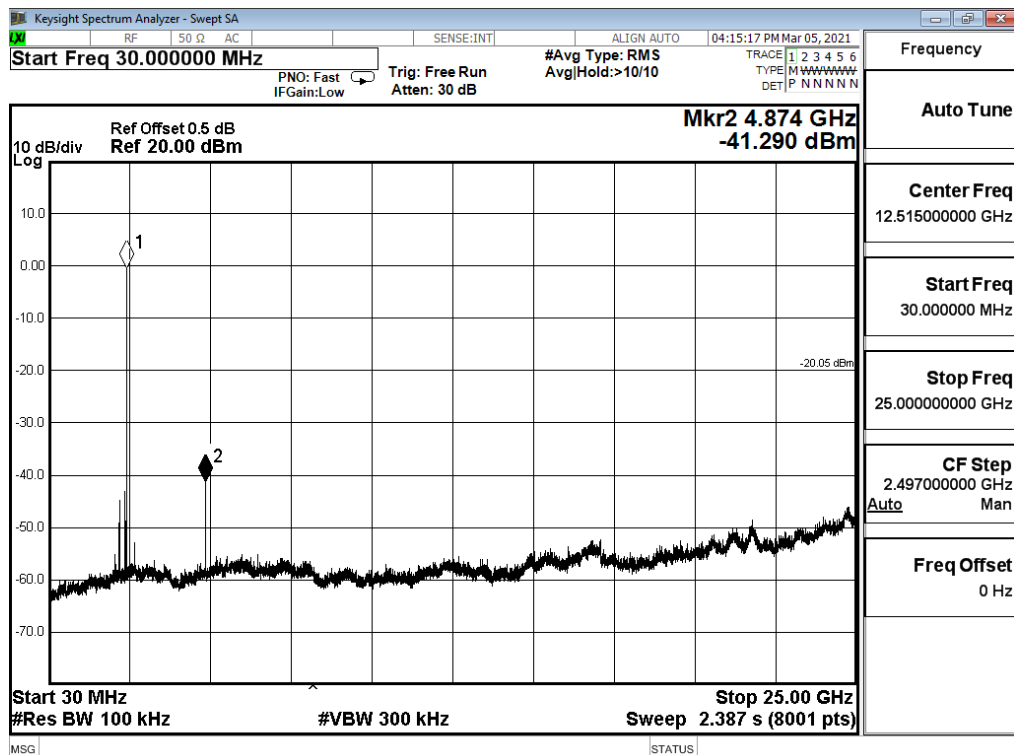


GFSK MCH Graphs

Pref/GFSK/MCH

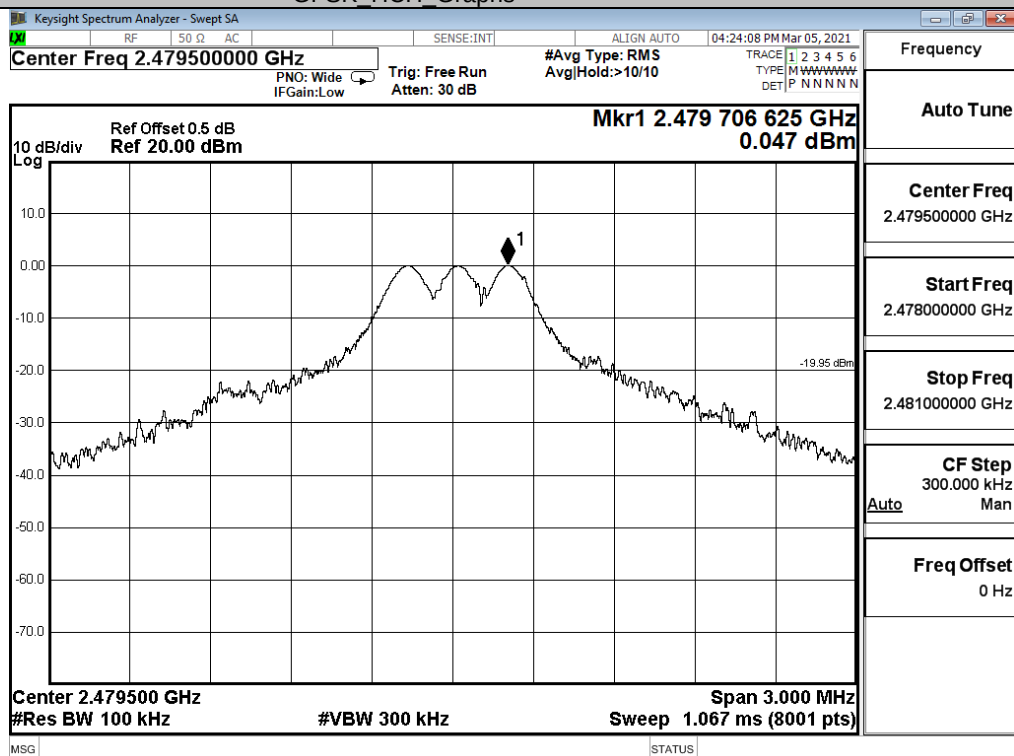


Puw/GFSK/MCH

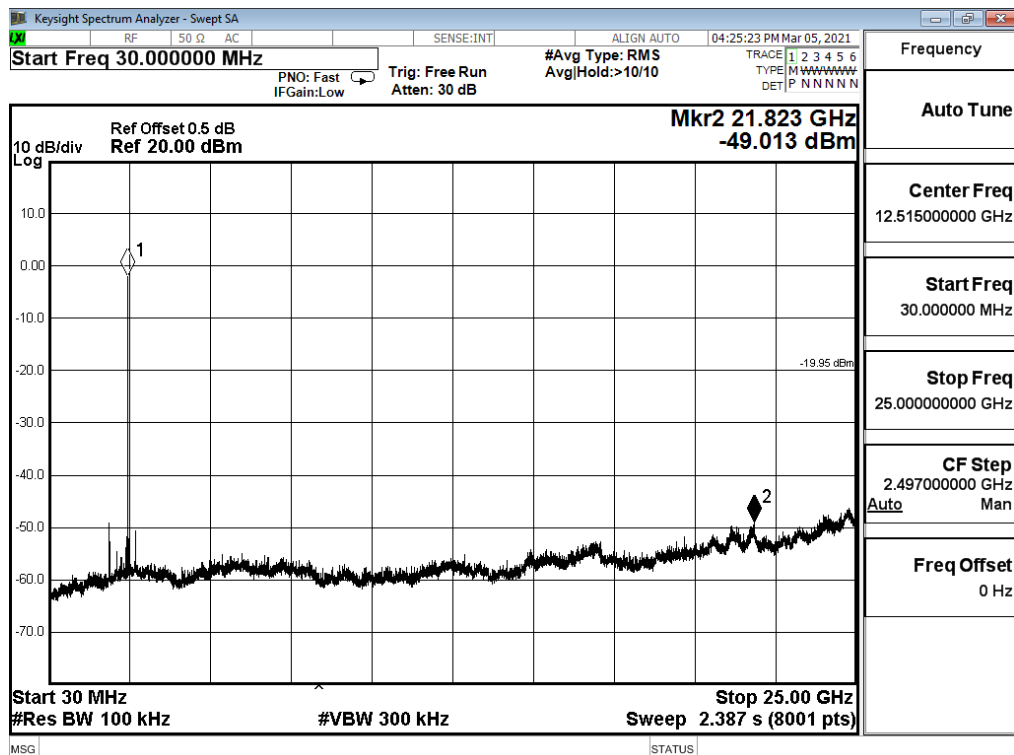


GFSK_HCH Graphs

Pref/GFSK/HCH



Puw/GFSK/HCH

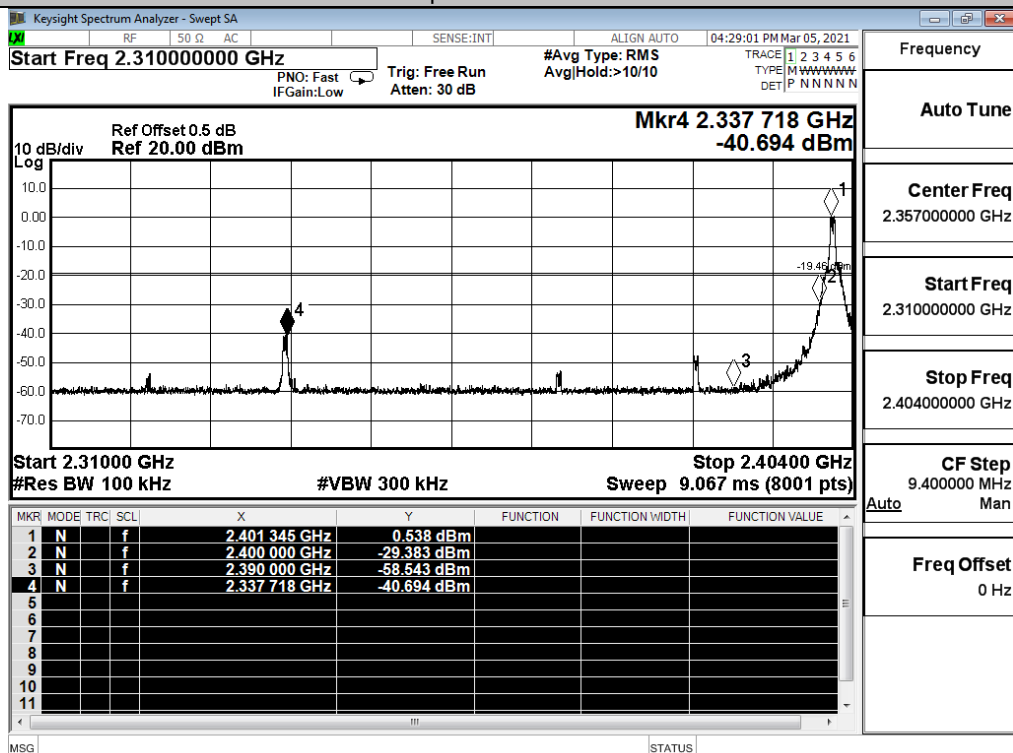


A.6 Band-edge for RF Conducted Emissions

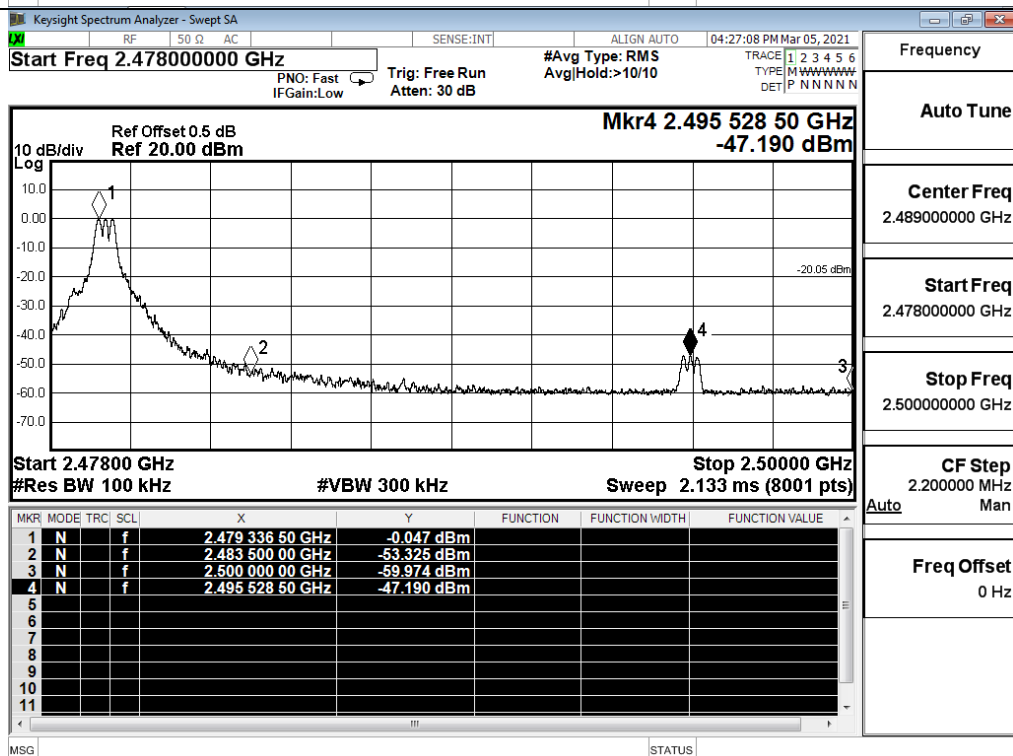
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	0.538	-29.383	-19.46	PASS
GFSK	HCH	-0.047	-47.190	-20.05	PASS

Test Graphs

LCH



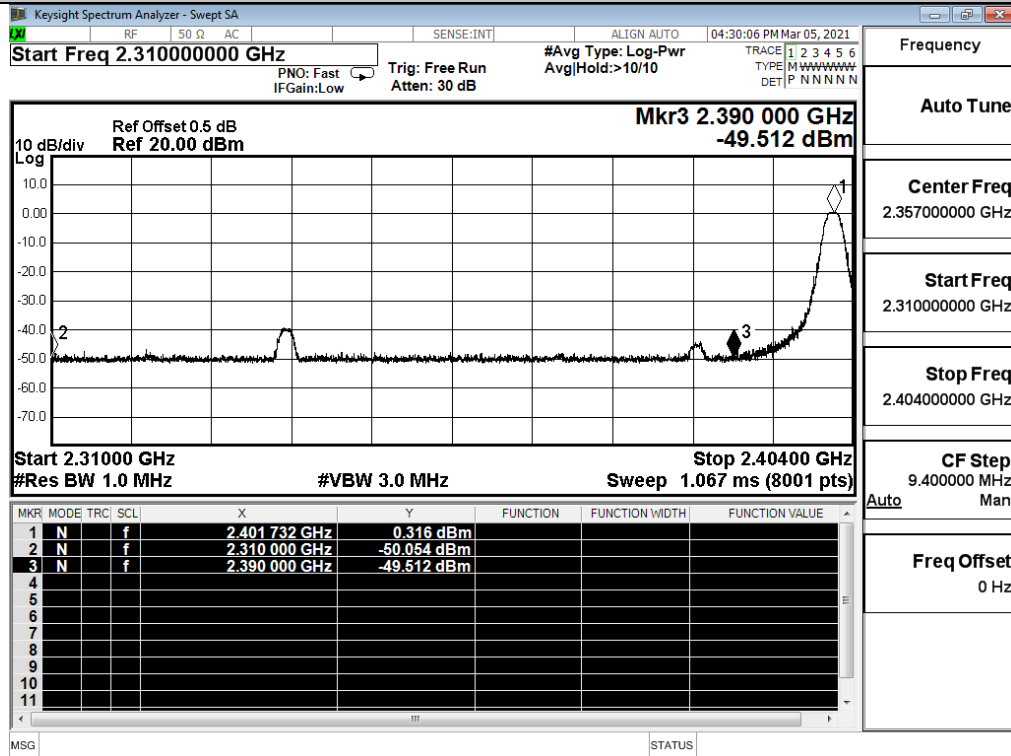
HCH



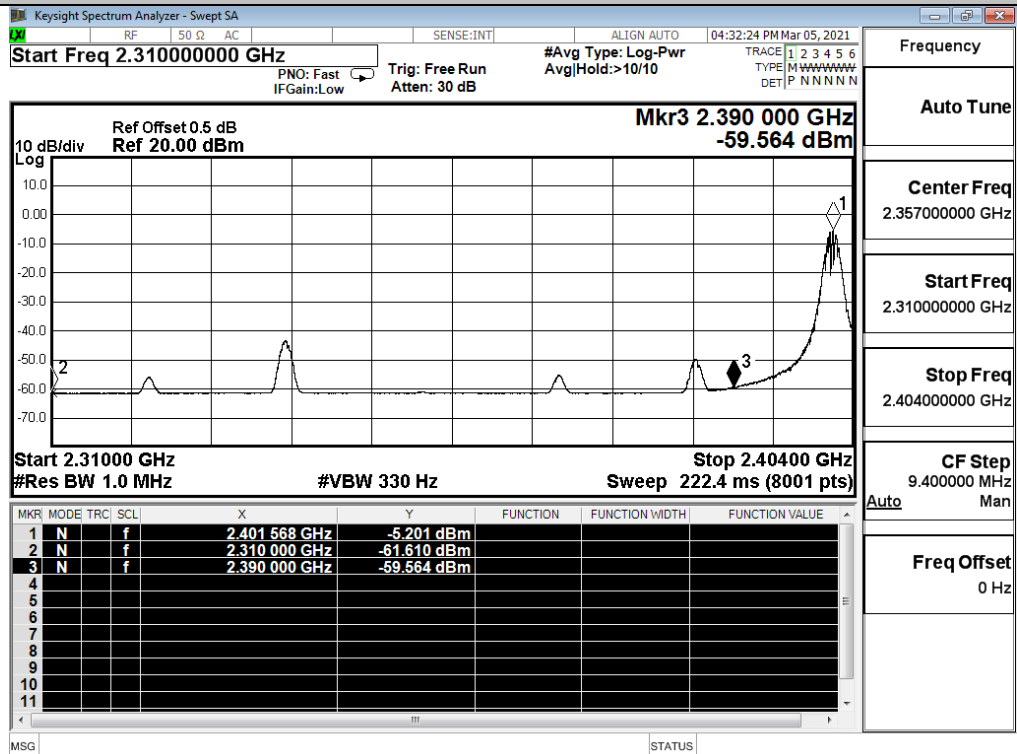
A.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
GFSK	2402	Ant1	2310.0	-50.054	2.0	0	47.18	PEAK	74	PASS
		Ant1	2310.0	-61.610	2.0	0	35.62	AV	54	PASS
		Ant1	2390.0	-49.512	2.0	0	47.72	PEAK	74	PASS
		Ant1	2390.0	-59.564	2.0	0	37.67	AV	54	PASS
	2480	Ant1	2483.5	-43.166	2.0	0	54.06	PEAK	74	PASS
		Ant1	2483.5	-52.124	2.0	0	45.11	AV	54	PASS
		Ant1	2500.0	-48.130	2.0	0	49.10	PEAK	74	PASS
		Ant1	2500.0	-61.277	2.0	0	35.95	AV	54	PASS

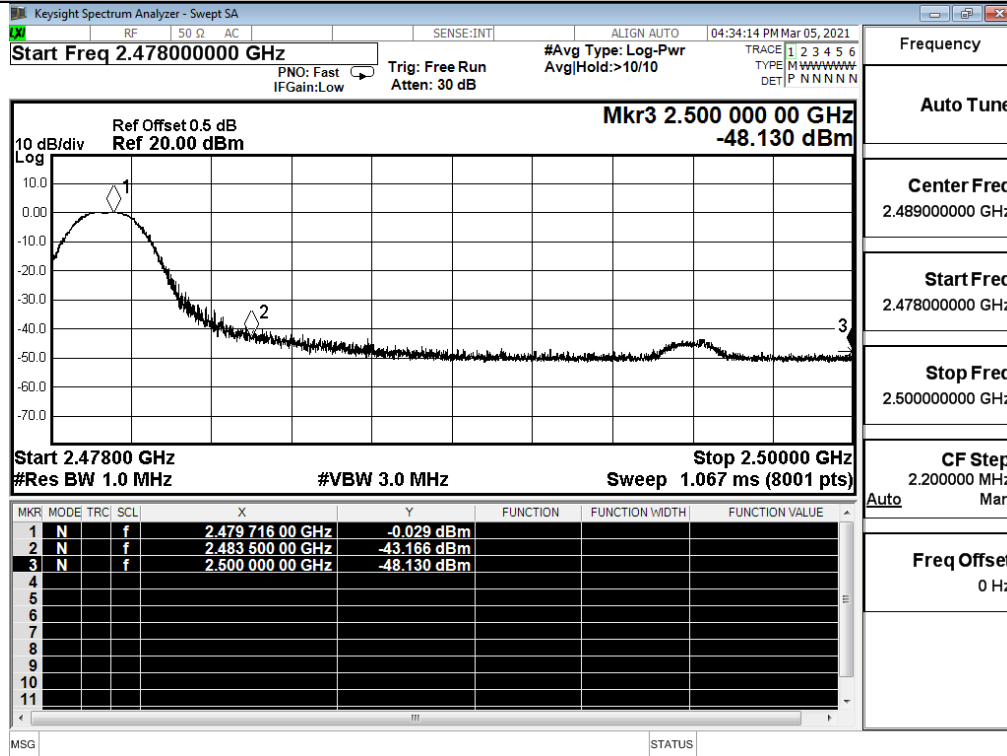
Restrict-band band-edge measurements_GFSK_2402_Ant1_PEAK



Restrict-band band-edge measurements_GFSK_2402_Ant1_AV



Restrict-band band-edge measurements_GFSK_2480_Ant1_PEAK



Restrict-band band-edge measurements_GFSK_2480_Ant1_AV

