

Appendix A

RF Test Data for 2.4G(FHSS) (Conducted Measurement)

Product Name: Digital Video Baby Monitor

Trade Mark: N/A

Test Model: VB602-M

Environmental Conditions

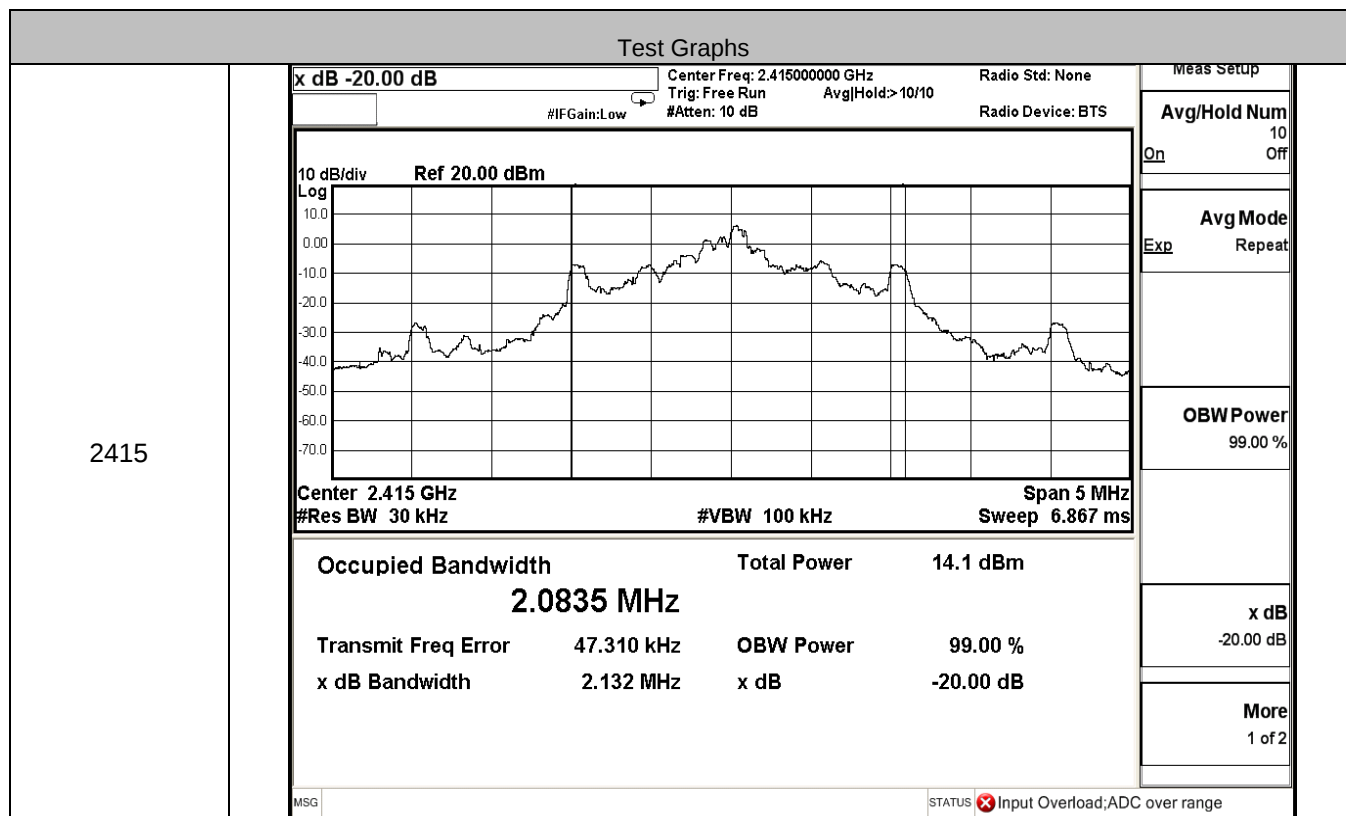
Temperature:	23.6 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	2415	15.244	21	PASS
	2436	15.847	21	PASS
	2460	15.952	21	PASS

A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	2415	2.132	No Limit	PASS
	2436	2.122	No Limit	PASS
	2460	2.096	No Limit	PASS



2436



Frequency

Center Freq
2.436000000 GHzCF Step
500.000 kHz
Auto ManFreq Offset
0 Hz

2460



Frequency

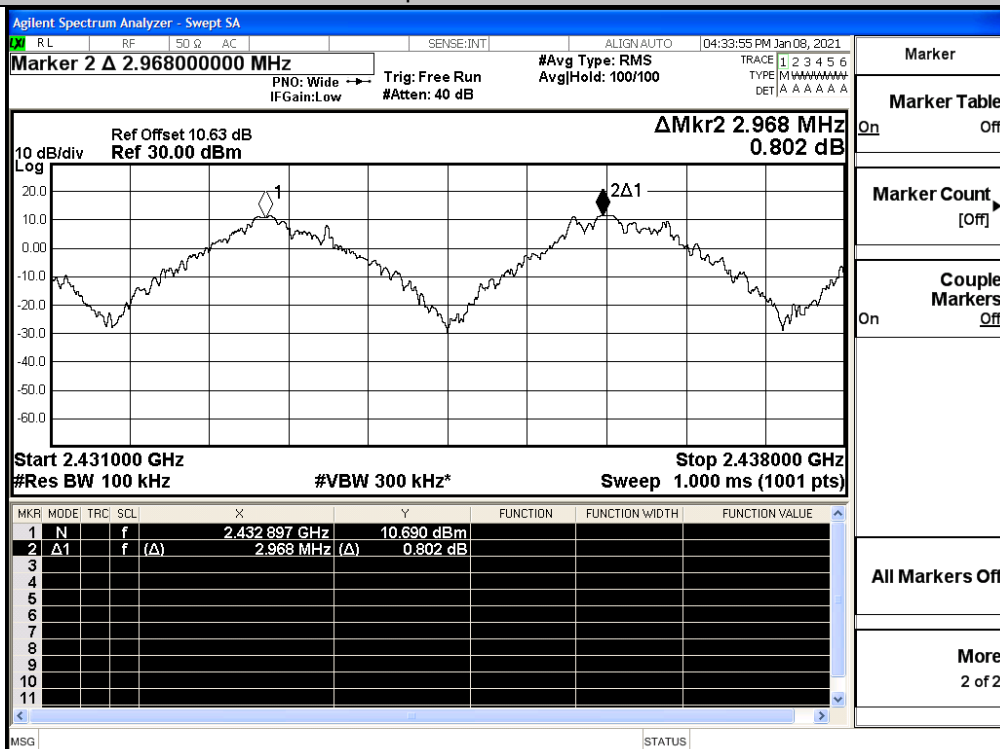
Center Freq
2.460000000 GHzCF Step
500.000 kHz
Auto ManFreq Offset
0 Hz

A.3 Carrier Frequency Separation

Mode	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	2.968	1.42	PASS

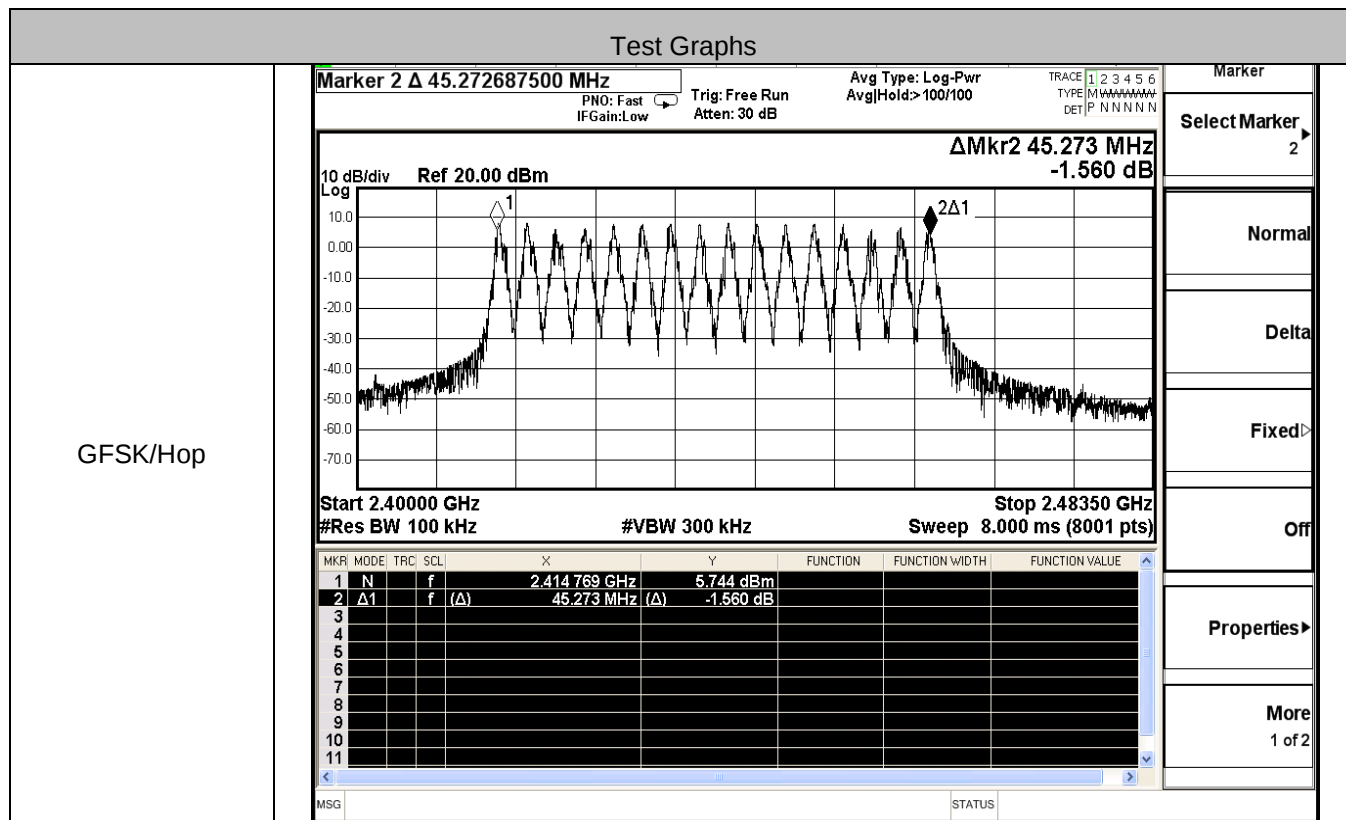
Test Graphs

GFSK



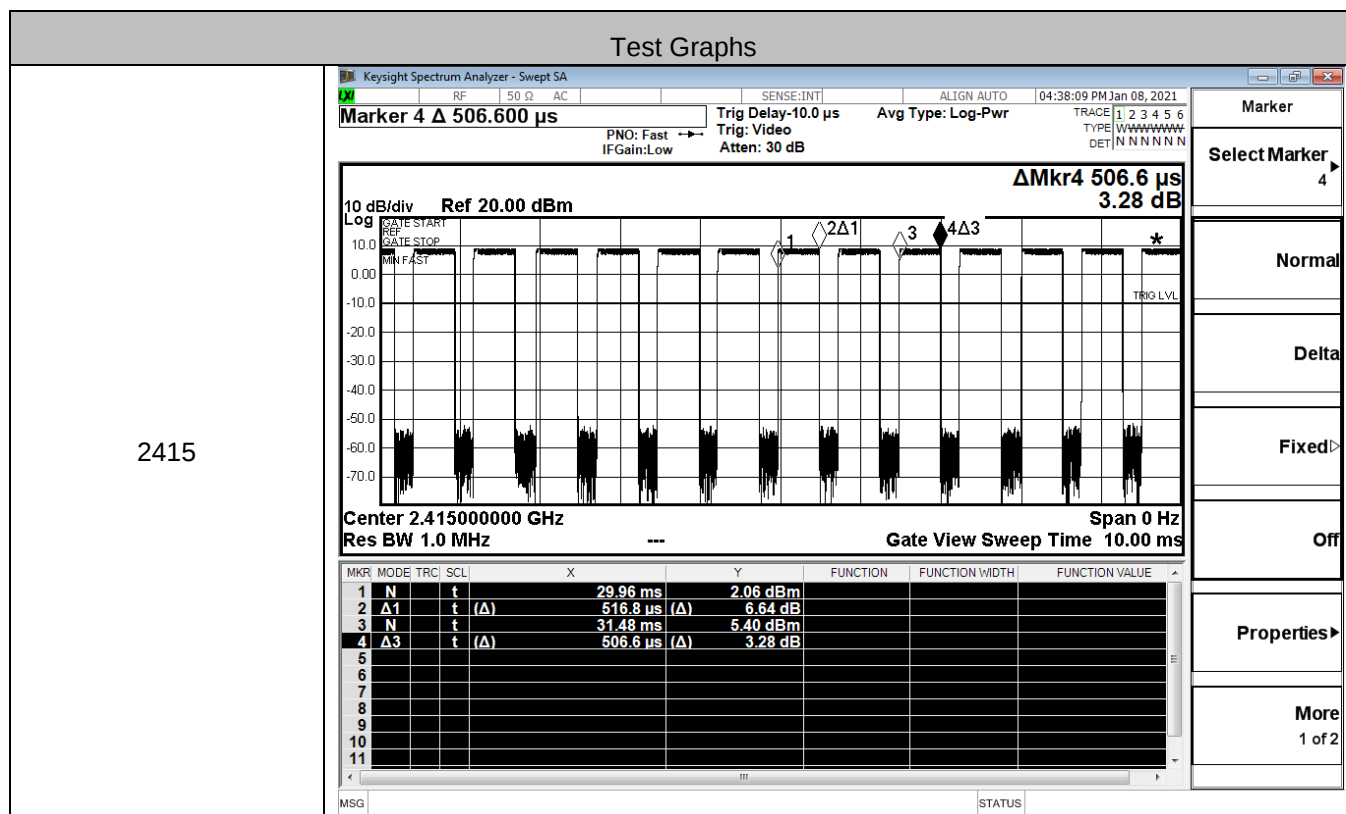
A.4 Hopping Channel Number

Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop	16	>=15	PASS

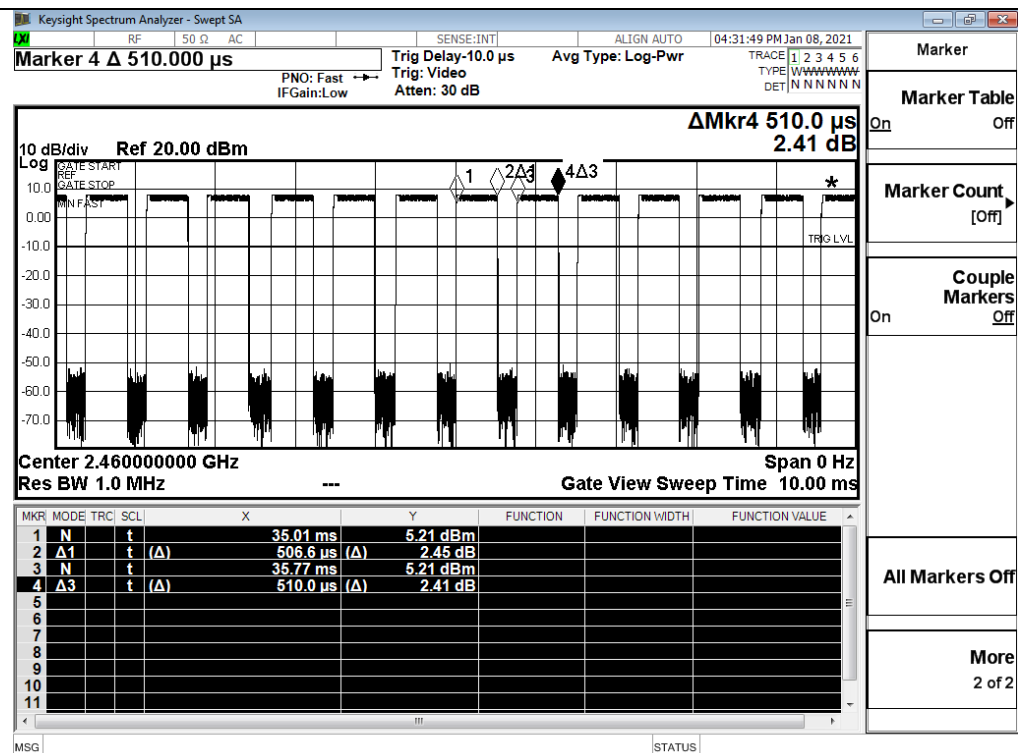


A.5 Dwell Time

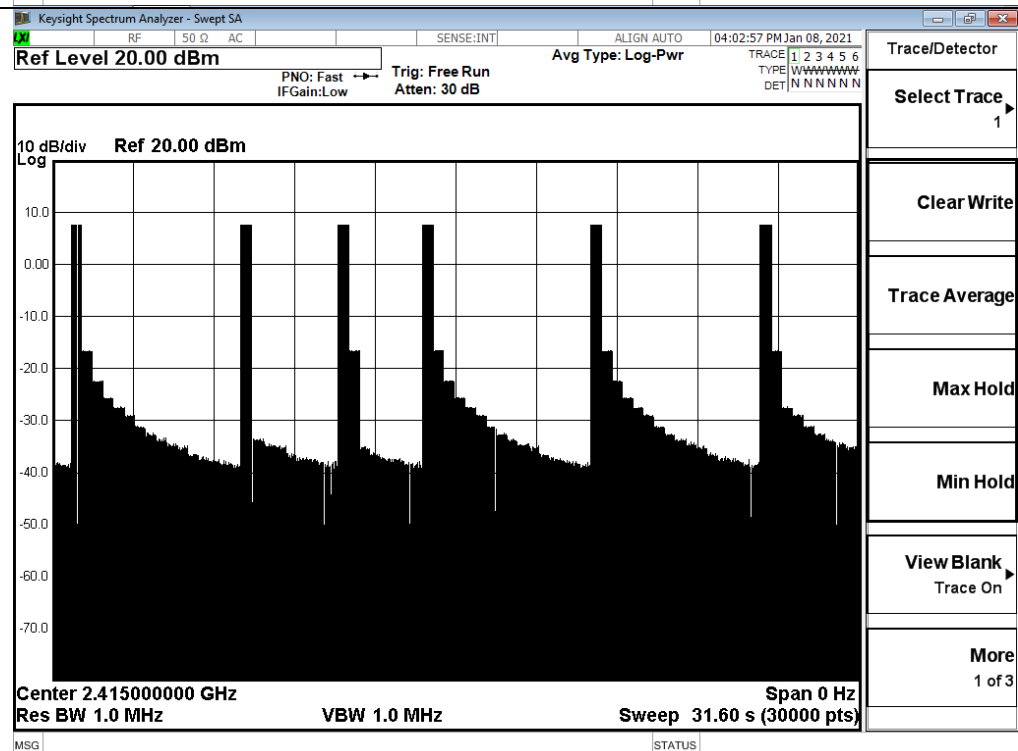
Mode	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	2415	0.517	197	0.102	0.4	PASS
	2436	0.517	197	0.102	0.4	PASS
	2460	0.510	178	0.091	0.4	PASS



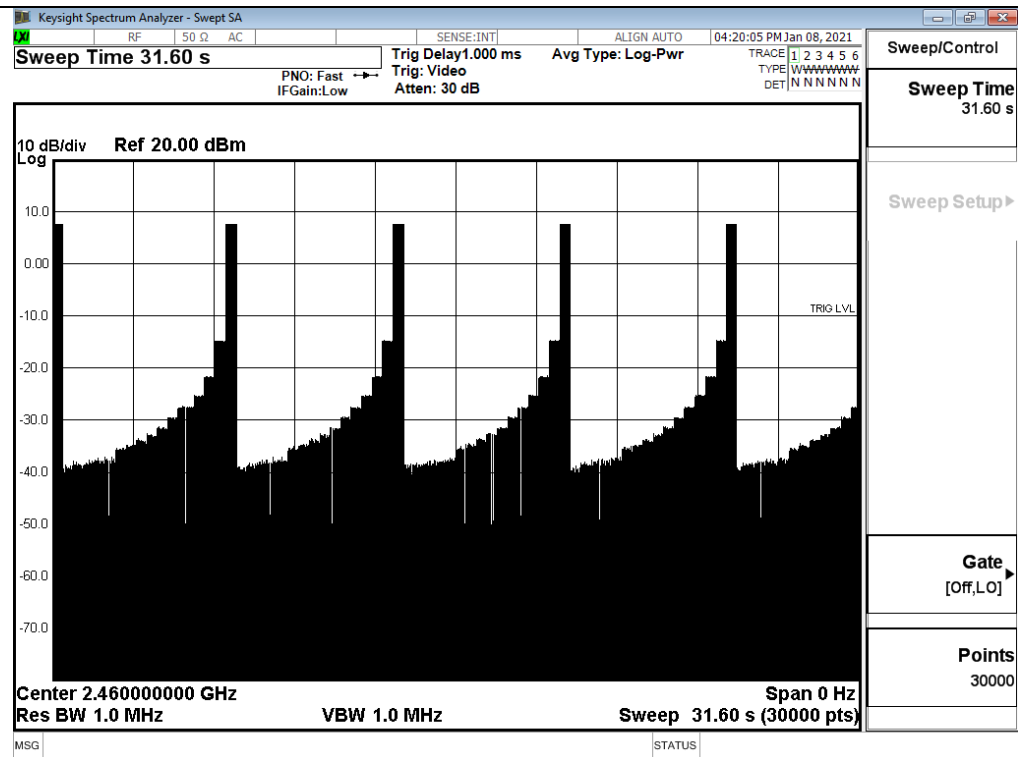
2460



2415



2460

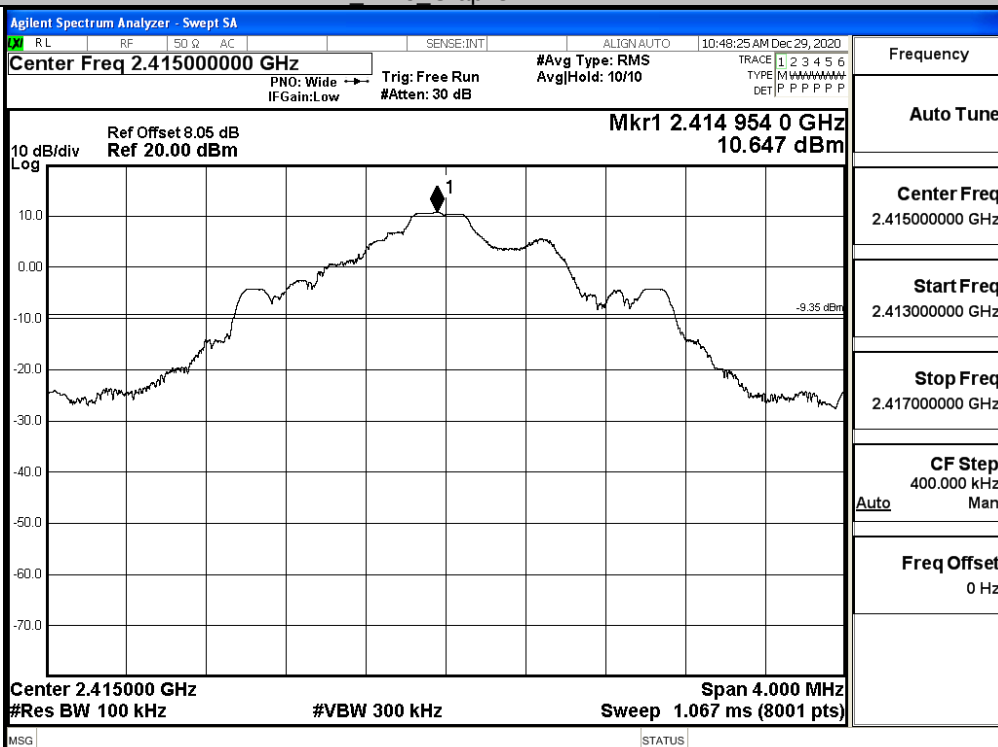


A.6 RF Conducted Spurious Emissions

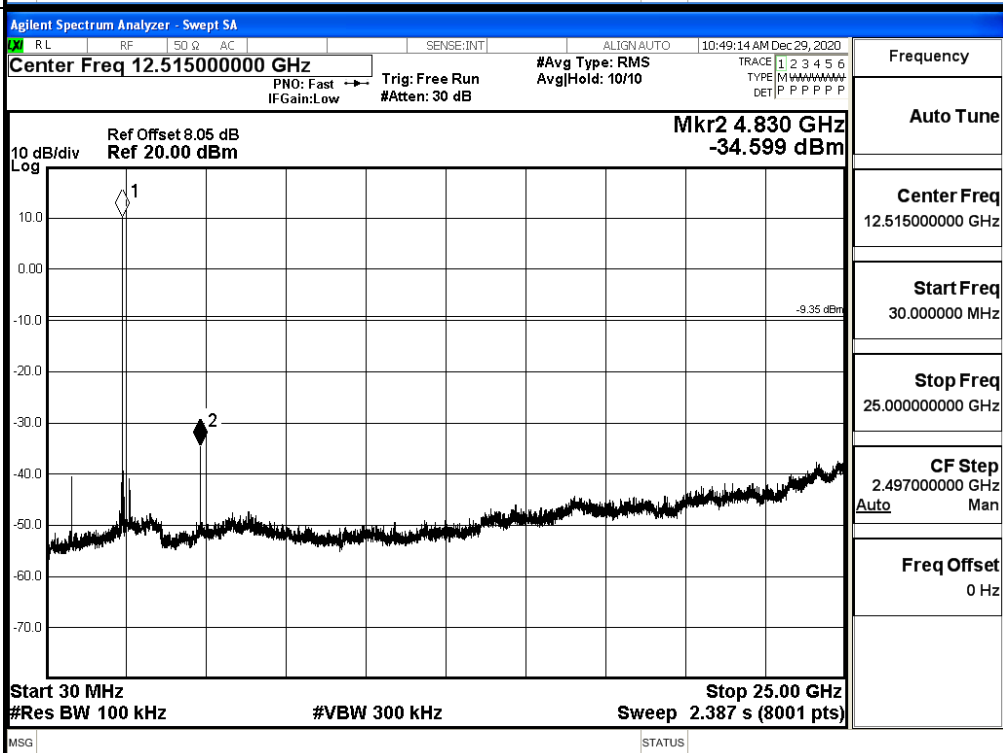
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	2415	10.647	-34.599	-9.353	PASS
GFSK	2436	10.585	-34.573	-9.415	PASS
GFSK	2460	10.135	-35.258	-9.865	PASS

BT LE 2415 Graphs

Pref/BT LE/2415

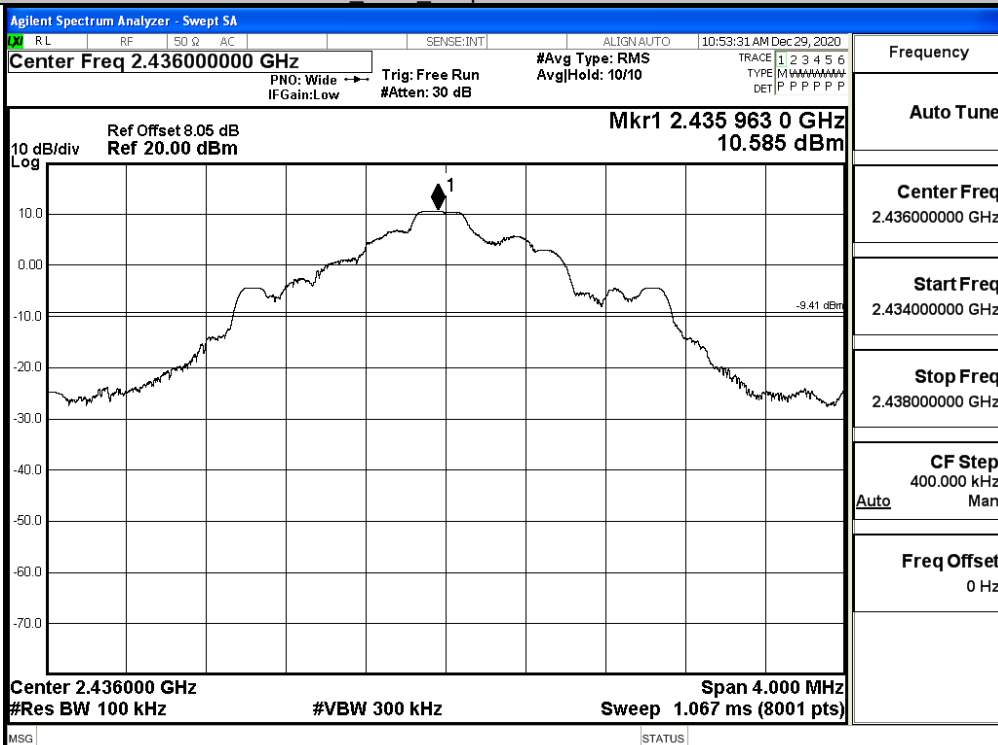


Puw/BT LE/2415

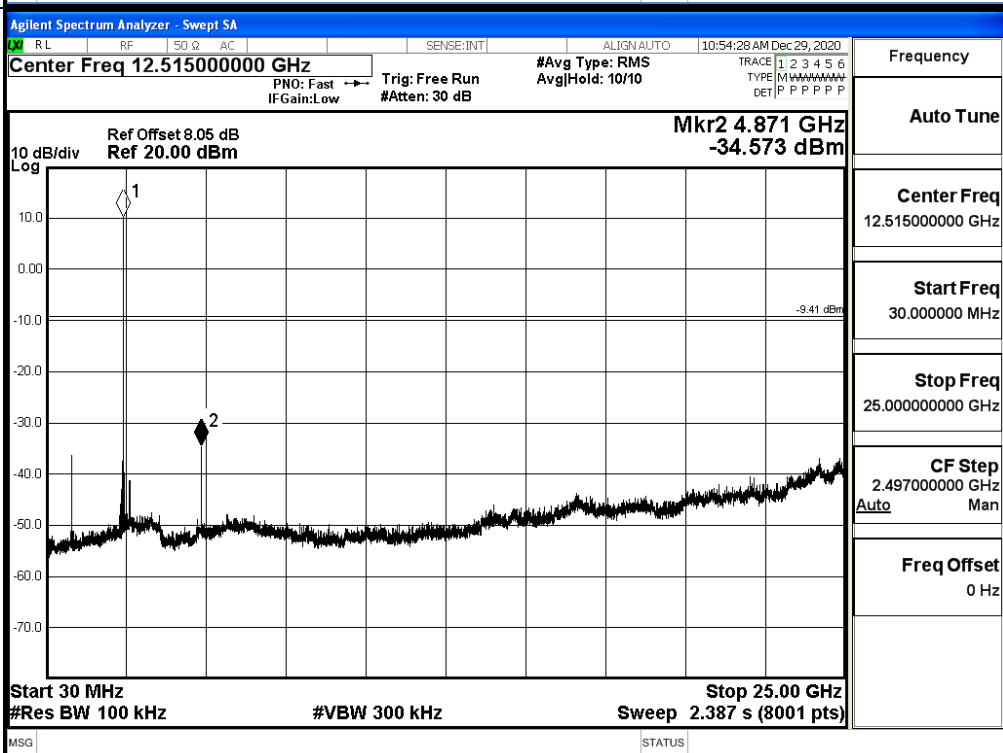


BT LE 2436 Graphs

Pref/BT LE/2436

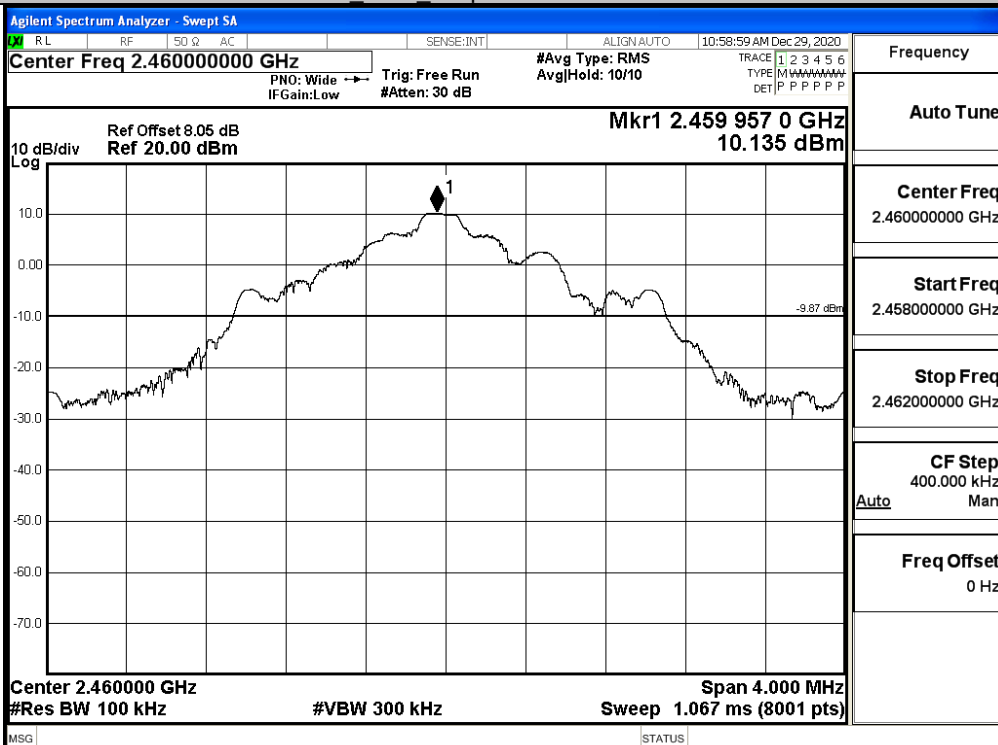


Puw/BT LE/2436

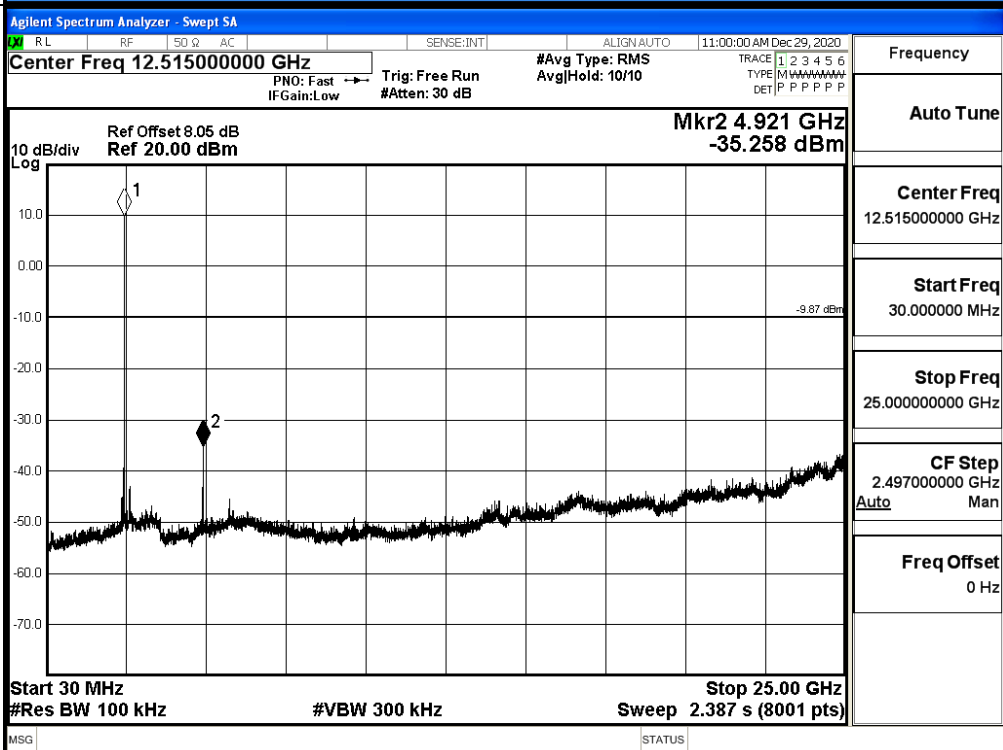


BT LE 2460 Graphs

Pref/BT LE/2460



Puw/BT LE/2460

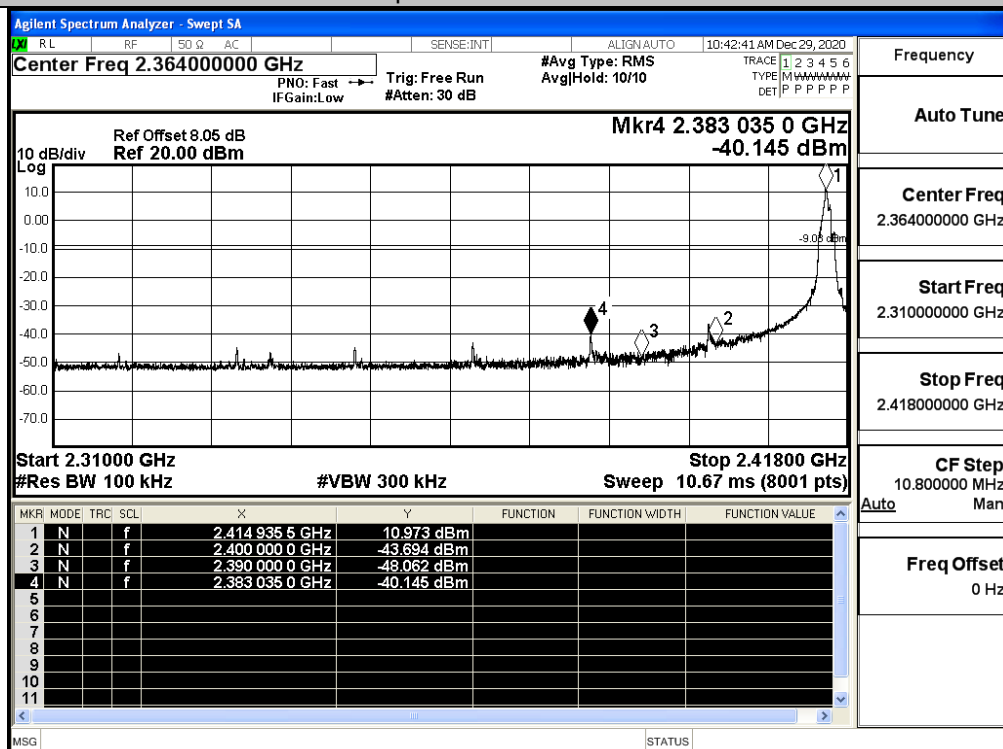


A.7 Band-edge for RF Conducted Emissions

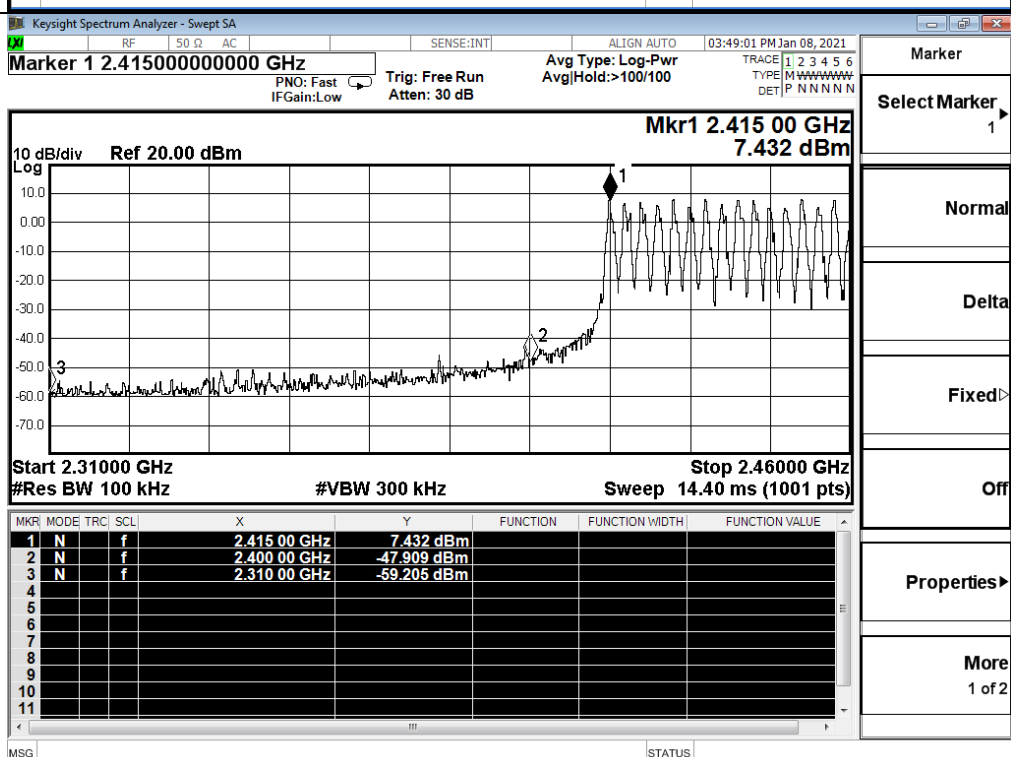
Mode	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	2415	10.973	Off	-40.145	-9.03	PASS
		7.432	On	-47.909	-12.57	PASS
	2462	10.403	Off	-41.641	-9.60	PASS
		7.479	On	-52.109	-12.52	PASS

Test Graphs

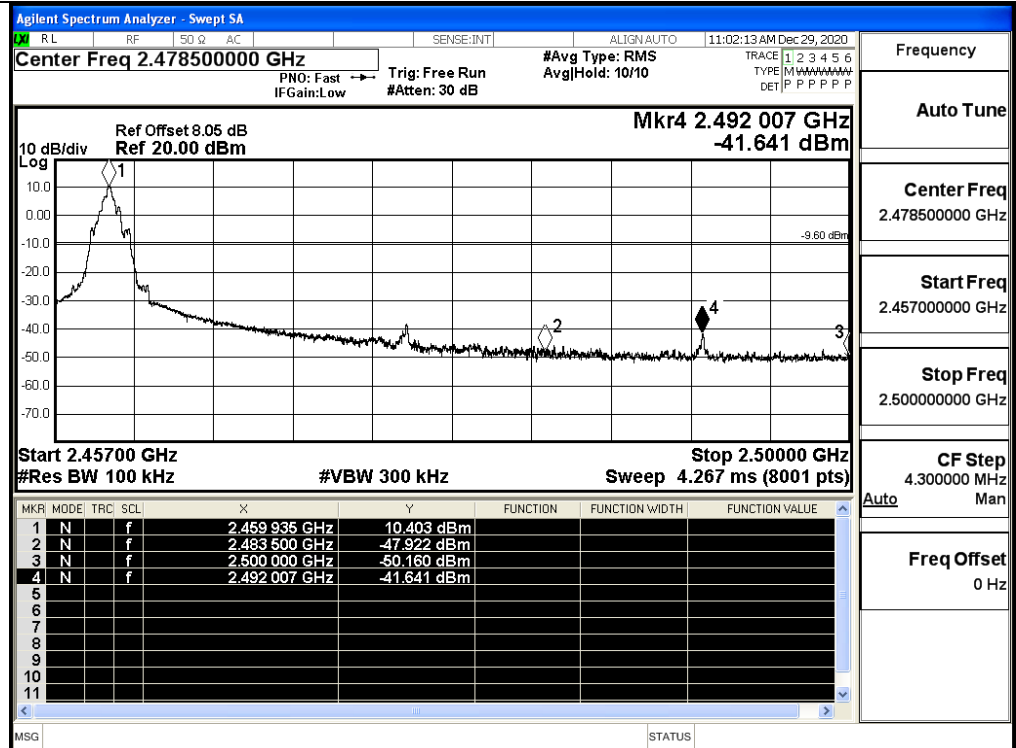
GFSK/2415/No Hop



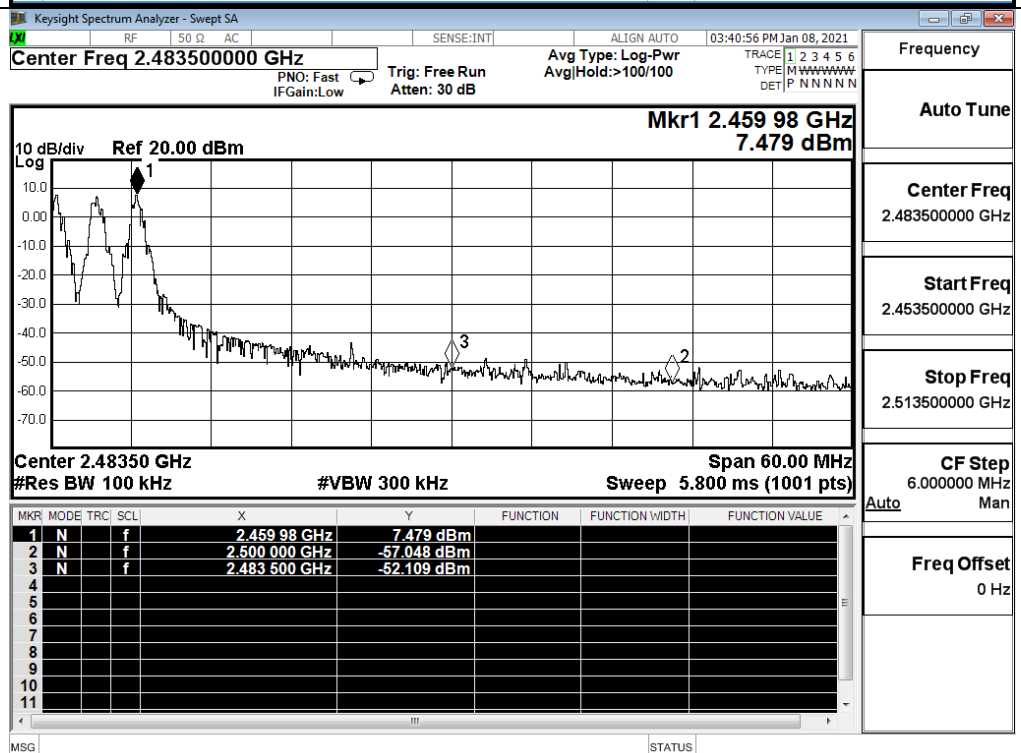
GFSK/2415/Hop



GFSK/2460/No Hop



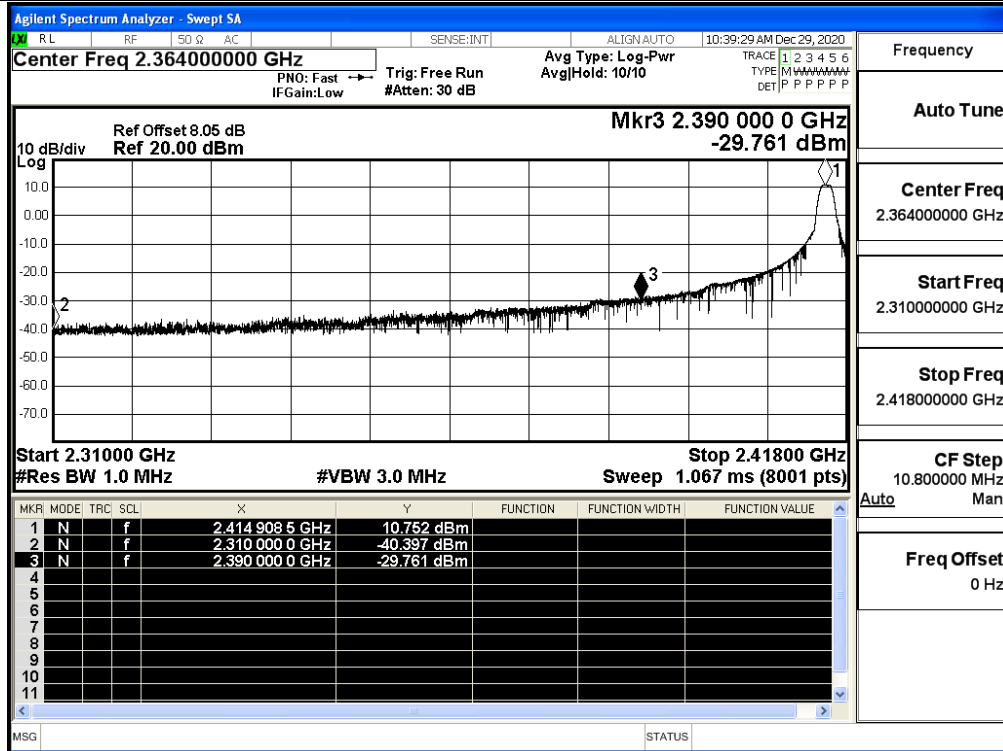
GFSK/2460/Hop



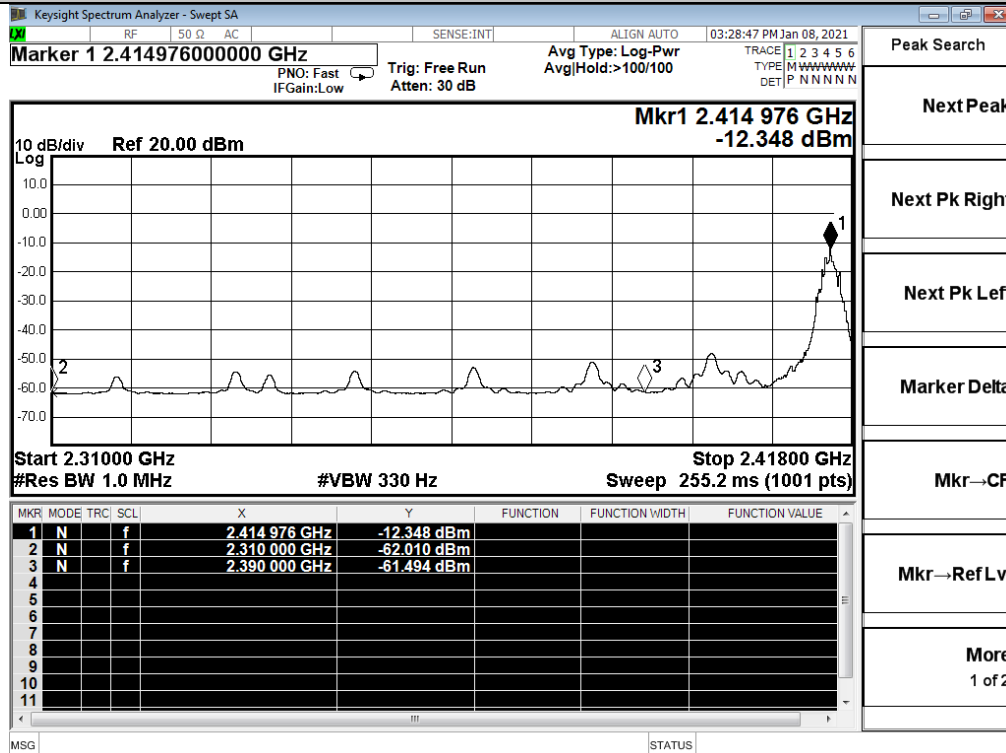
A.8 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	2415	Ant1	2310.0	-40.40	2.0	0	54.86	PEAK	74	PASS
		Ant1	2310.0	-62.01	2.0	0	33.25	AV	54	PASS
		Ant1	2390.0	-29.76	2.0	0	65.50	PEAK	74	PASS
		Ant1	2390.0	-61.49	2.0	0	33.77	AV	54	PASS
	2460	Ant1	2483.5	-31.65	2.0	0	63.61	PEAK	74	PASS
		Ant1	2483.5	-61.74	2.0	0	33.52	AV	54	PASS
		Ant1	2500.0	-35.63	2.0	0	59.63	PEAK	74	PASS
		Ant1	2500.0	-61.74	2.0	0	33.52	AV	54	PASS

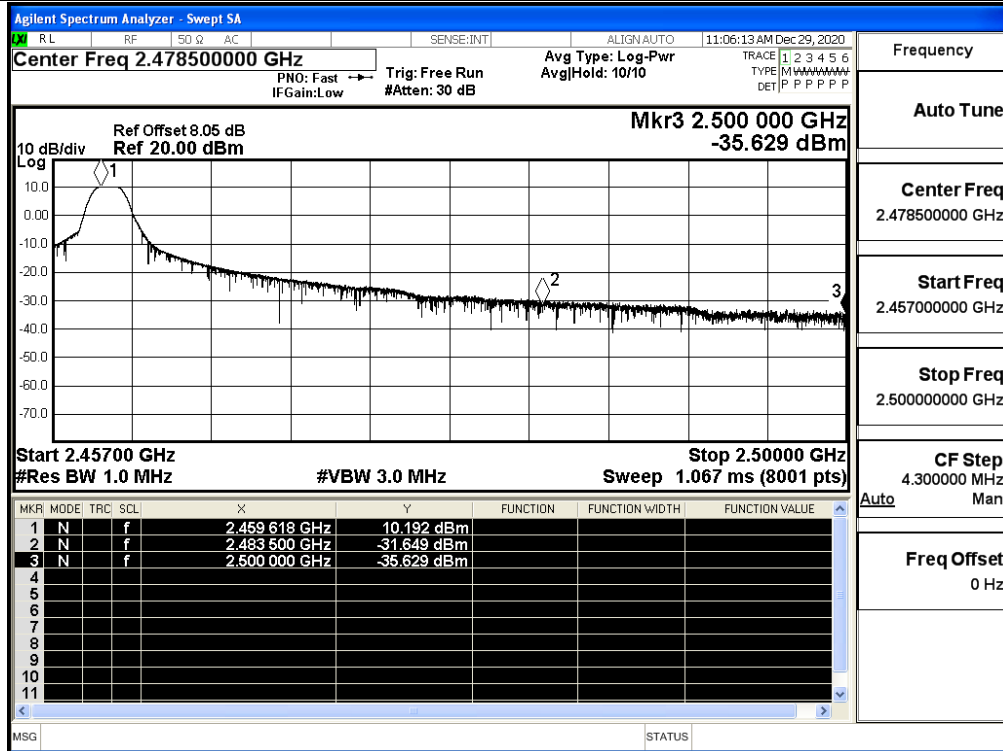
Restrict-band band-edge measurements_GFSK_2415_Ant1_PEAK



Restrict-band band-edge measurements_GFSK_2415_Ant1_AV



Restrict-band band-edge measurements_GFSK_2460_Ant1_PEAK



Restrict-band band-edge measurements_GFSK_2460_Ant1_AV

