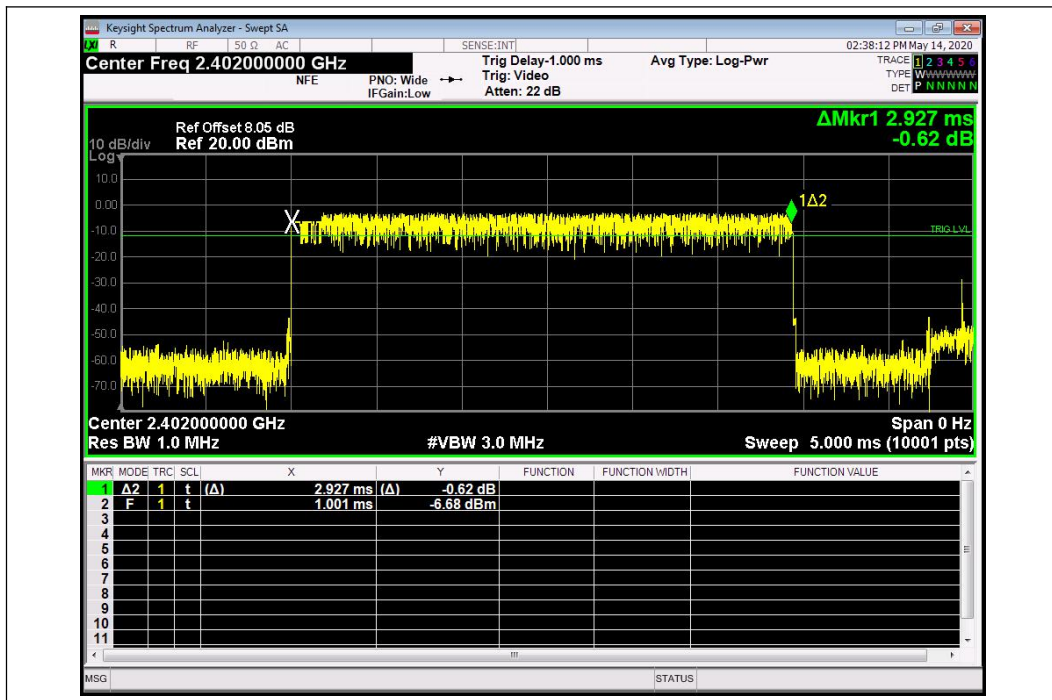


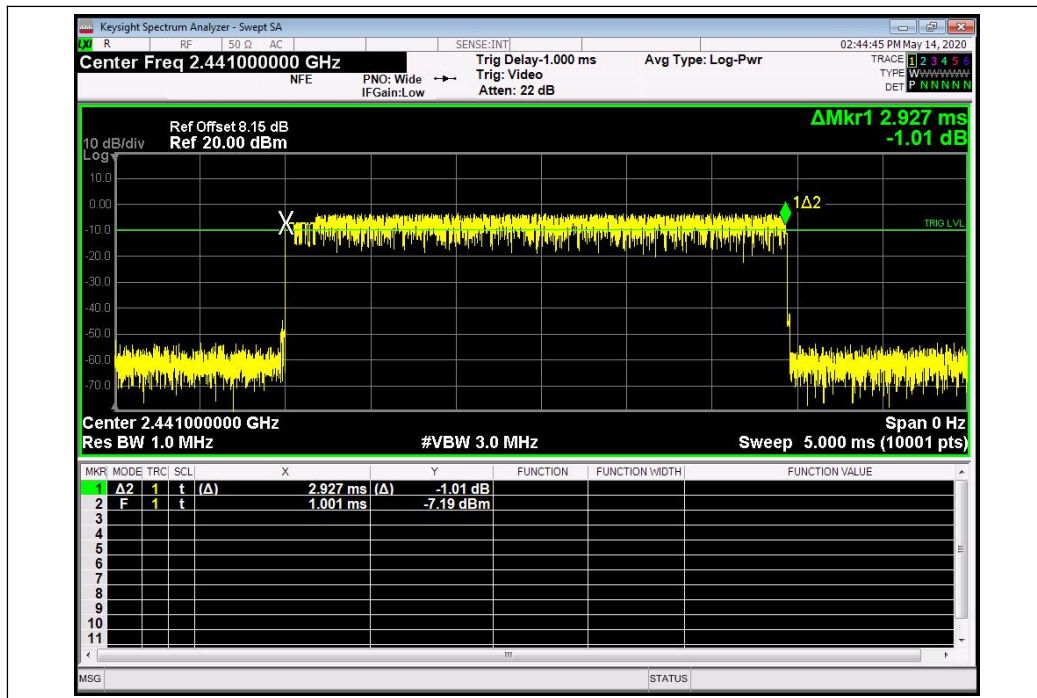


Mode	Frequency (MHz)	Pulse Width (ms)	Dwell Time (ms)	Limit (sec)	Verdict
3DH5	2402	2.927	312.213	0.4	PASS
	2441	2.927	312.213		PASS
	2480	2.939	313.493		PASS

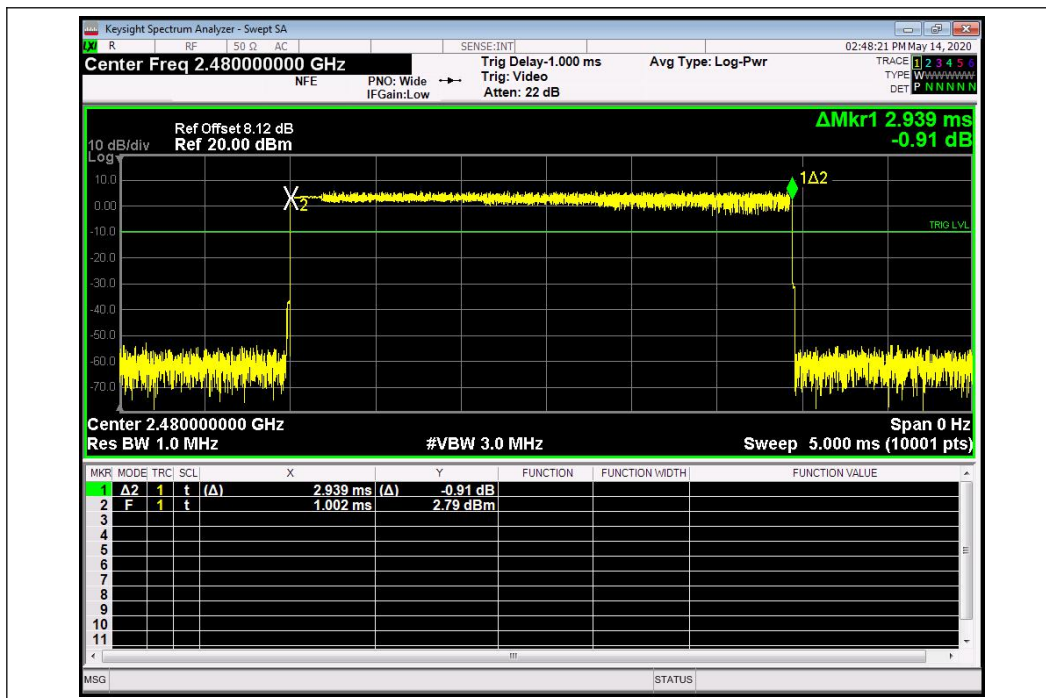
B. Test Plots:



(3DH5_2402M, 8-DQPSK)



(3DH5_2441M, 8-DQPSK)



(3DH5_2480M, 8-DQPSK)

2.8. Conducted Spurious Emissions and Band Edge

2.8.1. Requirement

According to FCC §15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

2.8.2. Test Description

A. Test Setup:



The EUT (Equipment under the test) is coupled to the Spectrum analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading, all test result in Spectrum analyzer.

B. Equipments List:

Please refer ANNEX B(4).

2.8.3. Test Procedure

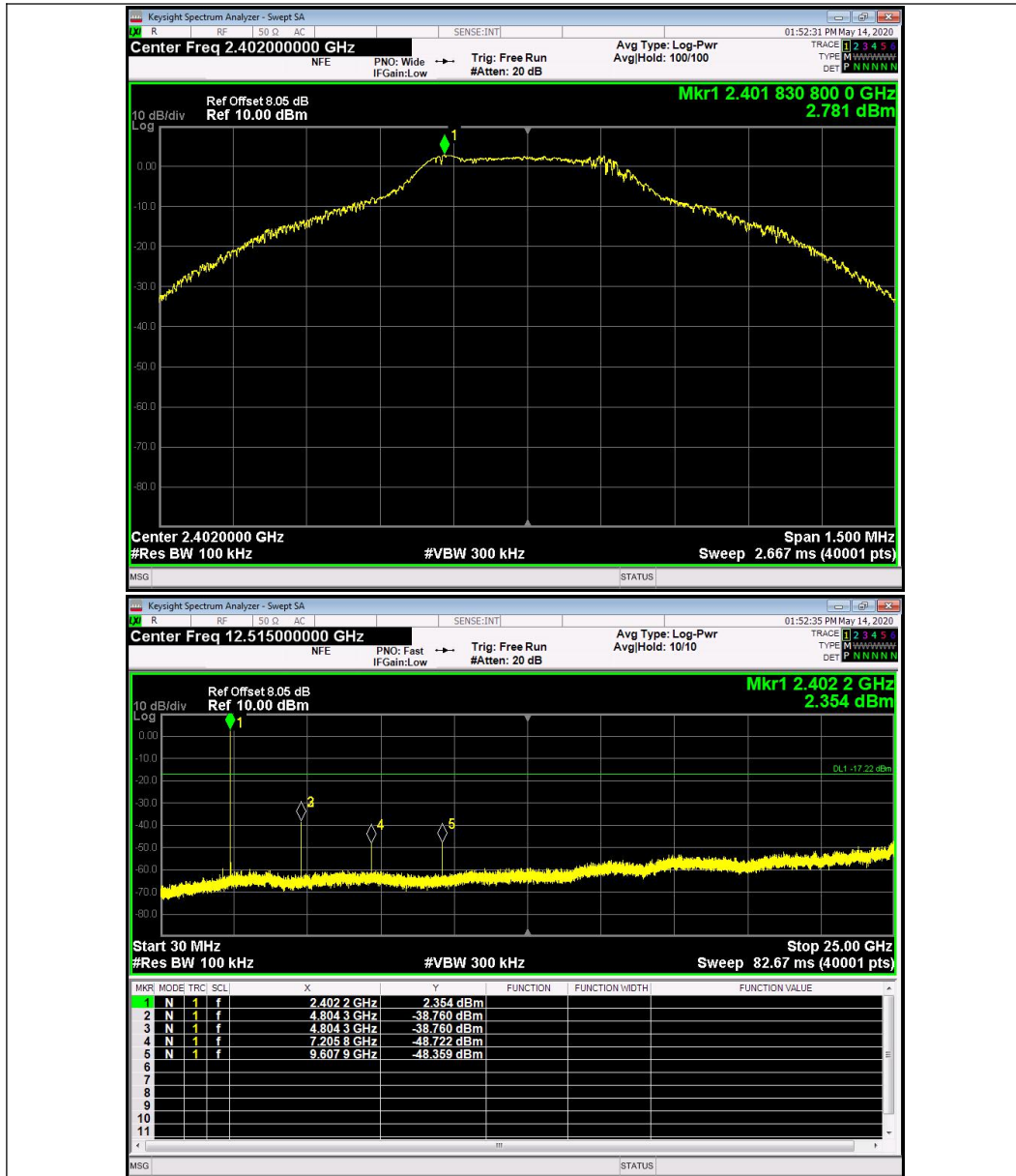
The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100kHz and 300kHz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges was measured and recorded.



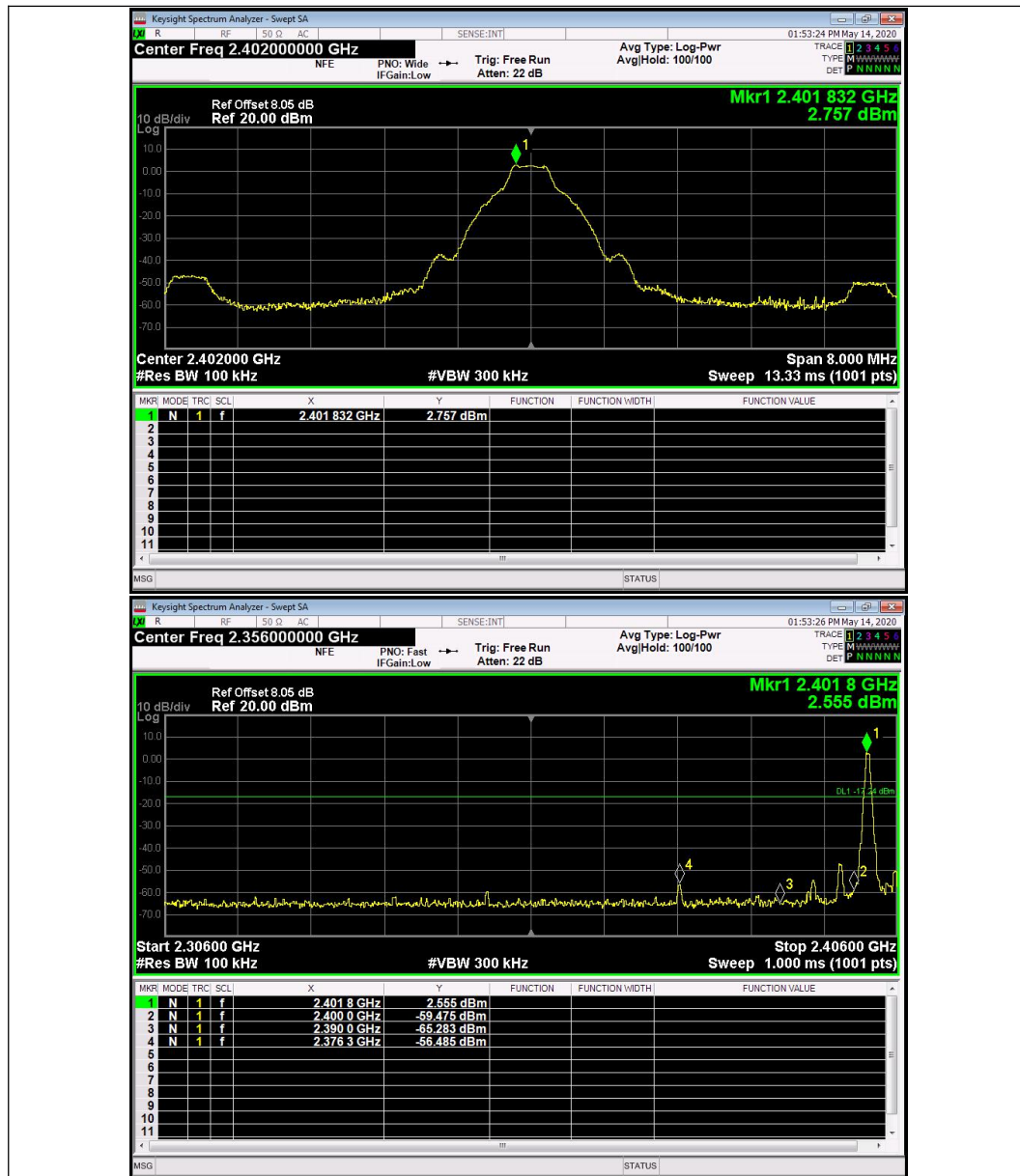
2.8.4. Test Result

The Bluetooth Module operates at hopping-off test mode. The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions.

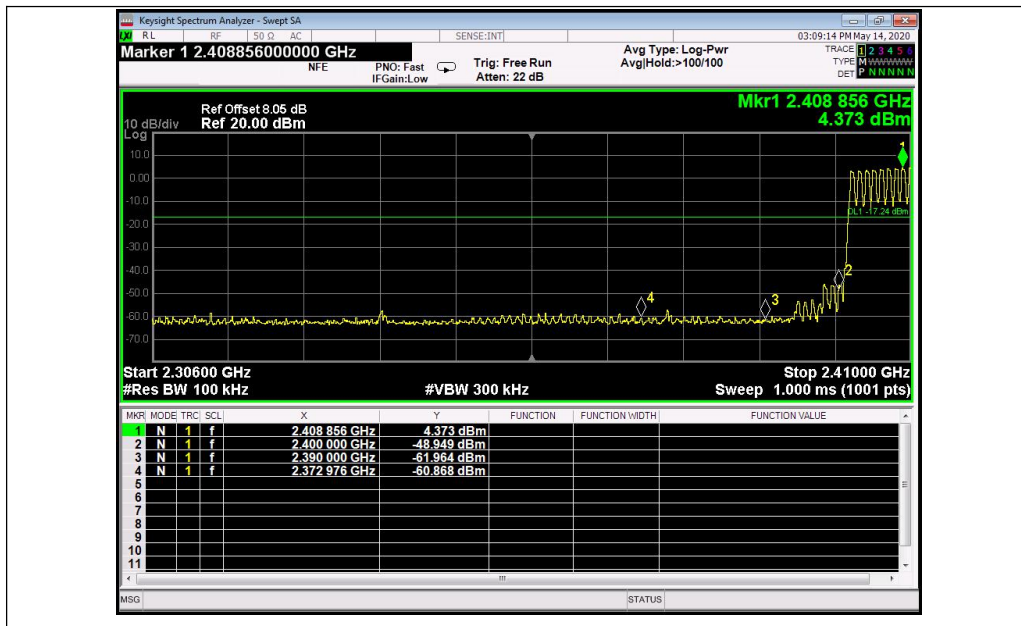
GFSK Mode



(Channel = 0, 30MHz to 25GHz, GFSK Mode)



(Channel = 0, Band edge,GFSK Mode)



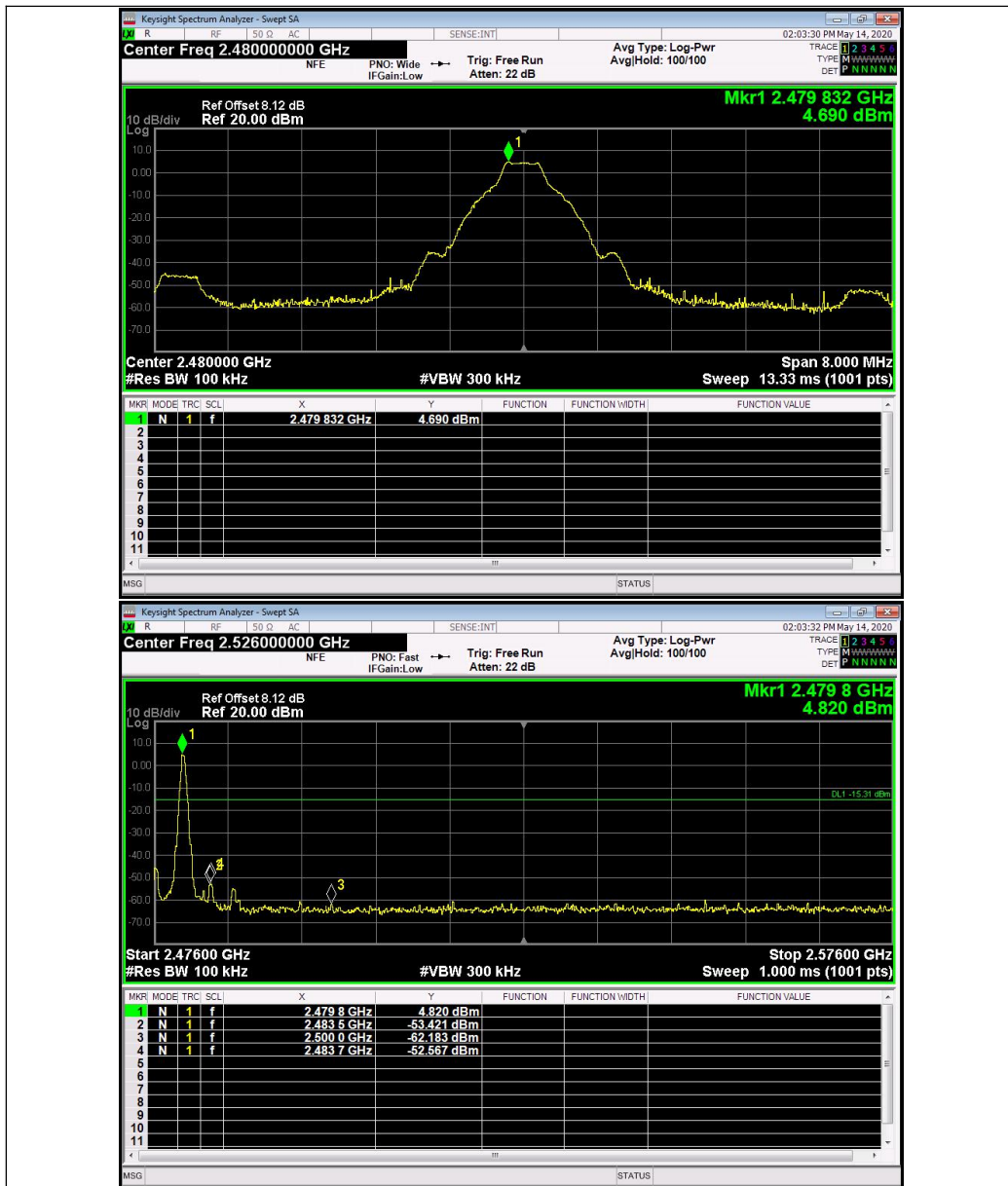
(Channel = 0, Band edge with hopping on, GFSK Mode)



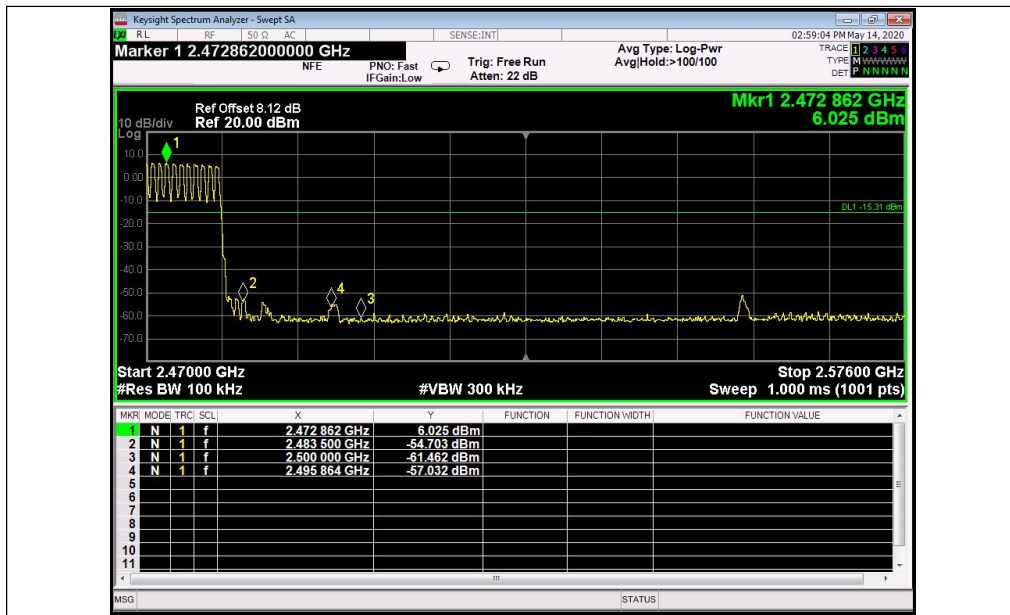
(Channel = 39, 30MHz to 25GHz, GFSK Mode)



(Channel = 78, 30MHz to 25GHz, GFSK Mode)

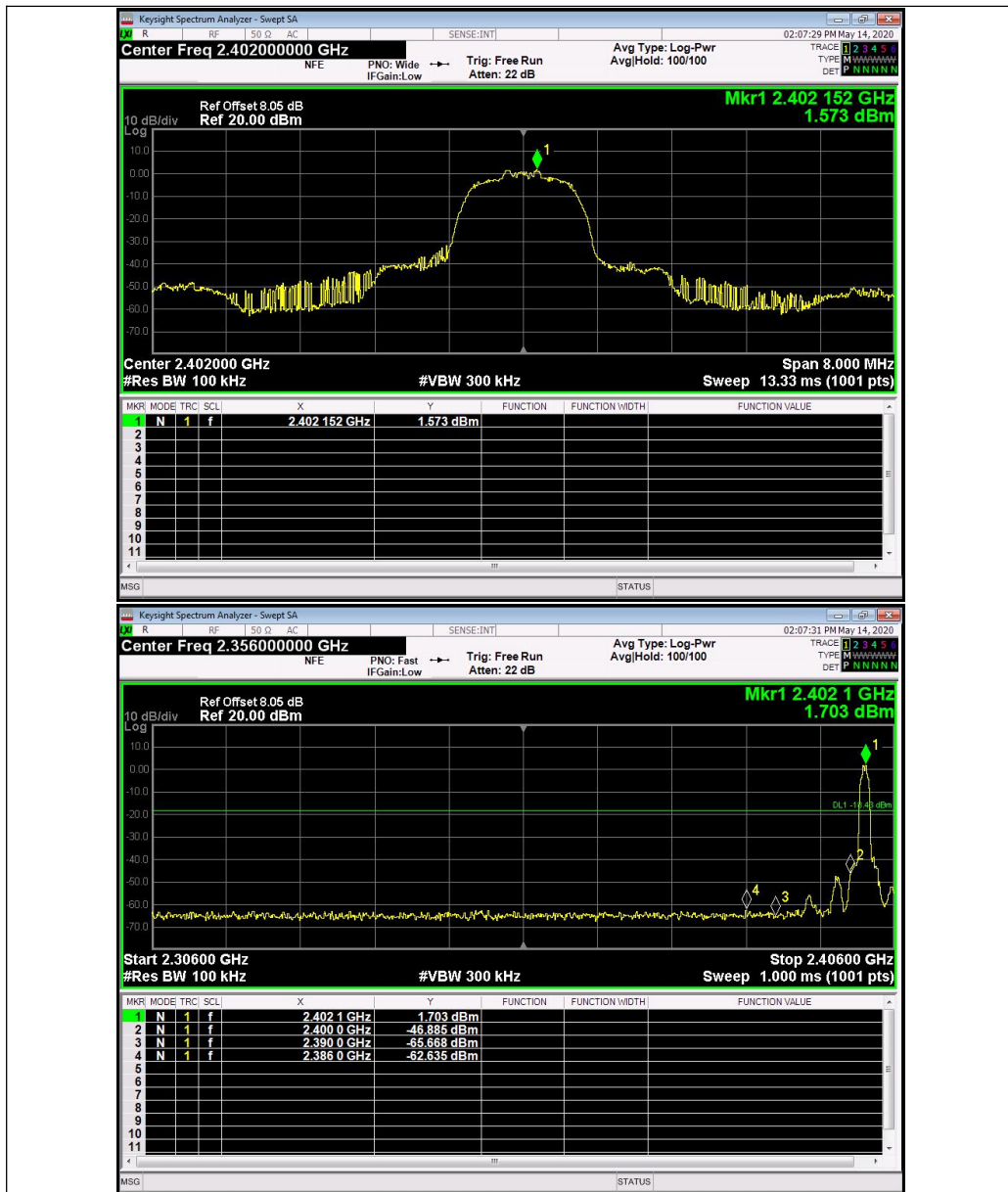


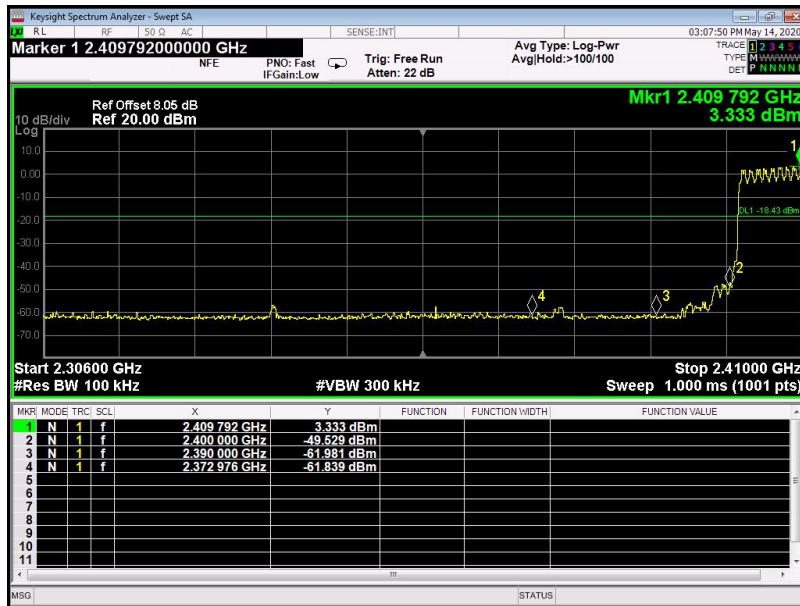
(Channel = 78, Band edge, GFSK Mode)



(Channel = 78, Band edge with hopping on, GFSK Mode)

 $\pi/4$ -DQPSK Mode(Channel = 0, 30MHz to 25GHz, $\pi/4$ -DQPSK)

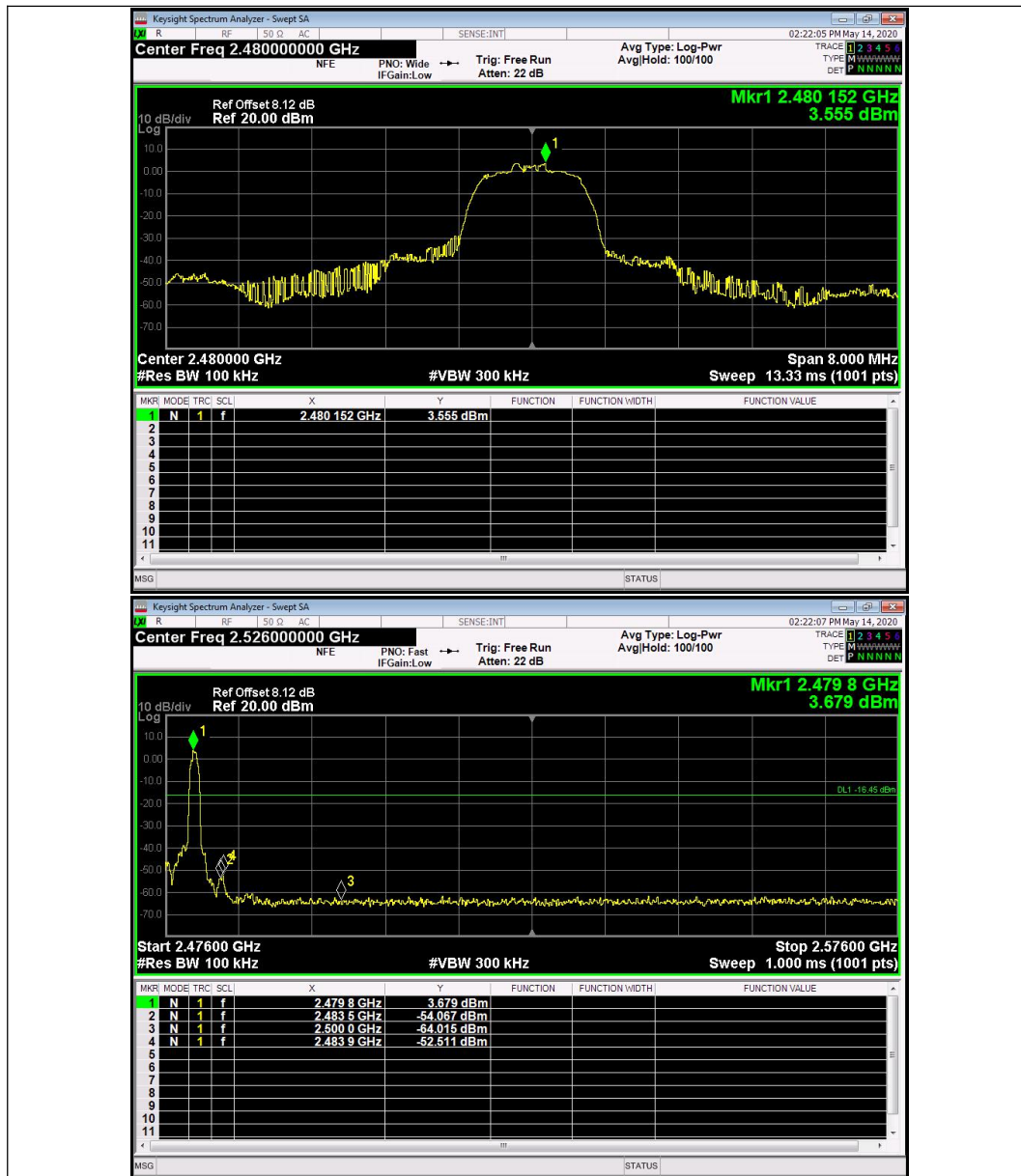
(Channel = 0, Band edge, $\pi/4$ -DQPSK)

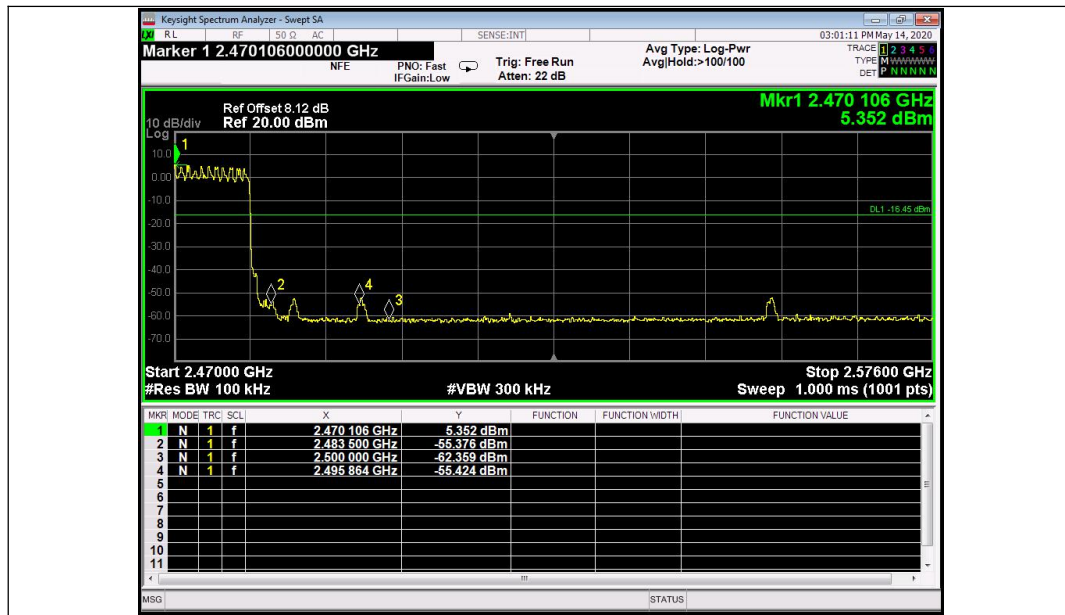


(Channel = 0, Band edge with hopping on, $\pi/4$ -DQPSK)

(Channel = 39, 30MHz to 25GHz, $\pi/4$ -DQPSK)

(Channel = 78, 30MHz to 25GHz, $\pi/4$ -DQPSK)

(Channel = 78, Band edge, $\pi/4$ -DQPSK)



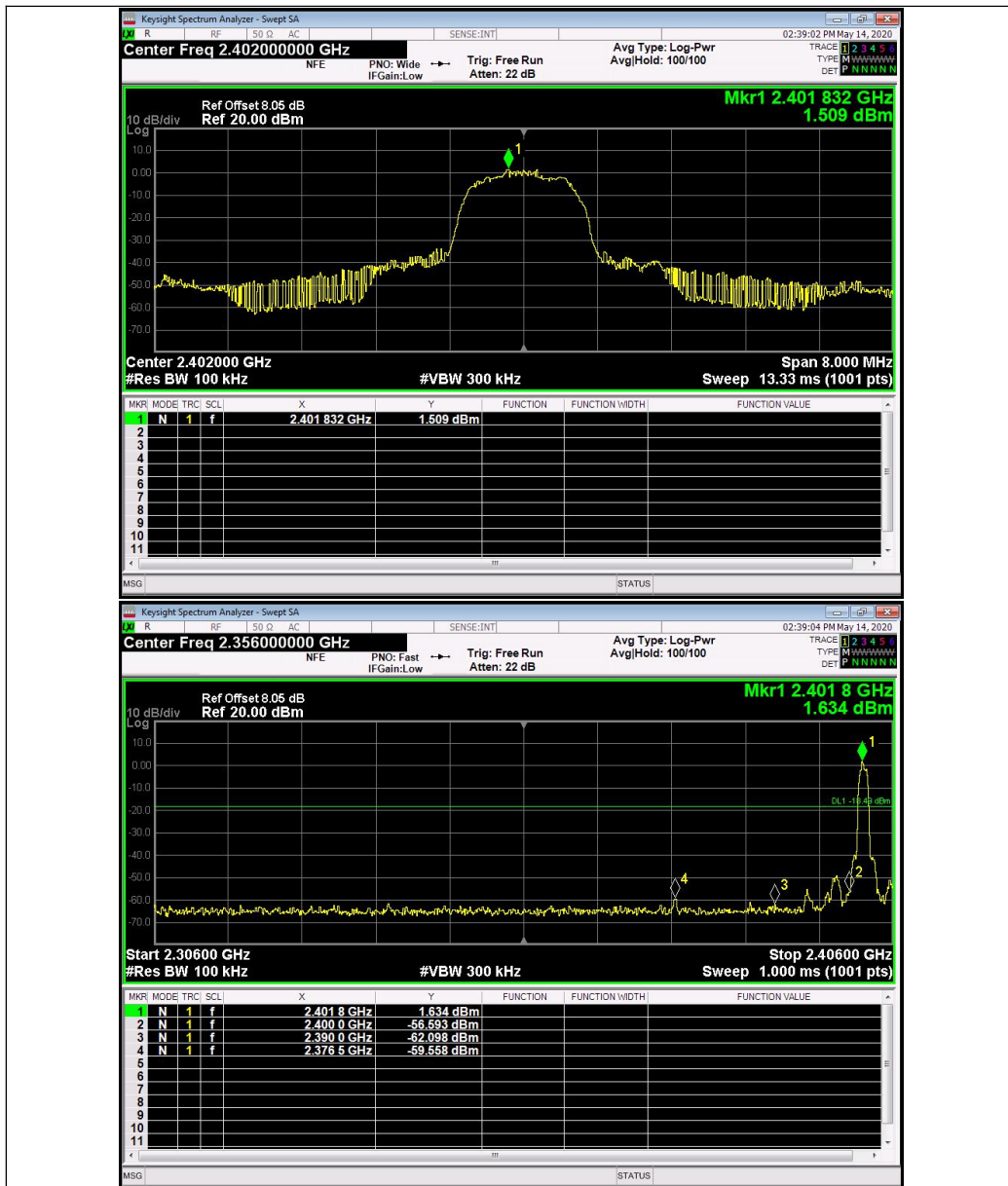
(Channel = 78, Band edge with hopping on, $\pi/4$ -DQPSK)



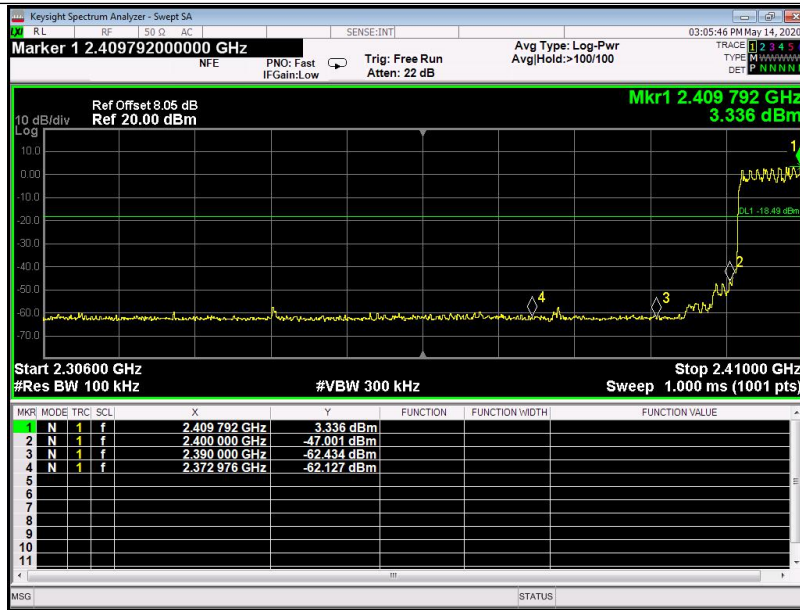
8-DPSK Mode



(Channel = 0, 30MHz to 25GH, 8-DPSK)



(Channel = 0, Band edge, 8-DPSK)



(Channel = 0, Band edge with hopping on, 8-DPSK)



(Channel = 39, 30MHz to 25GHz, 8-DPSK)