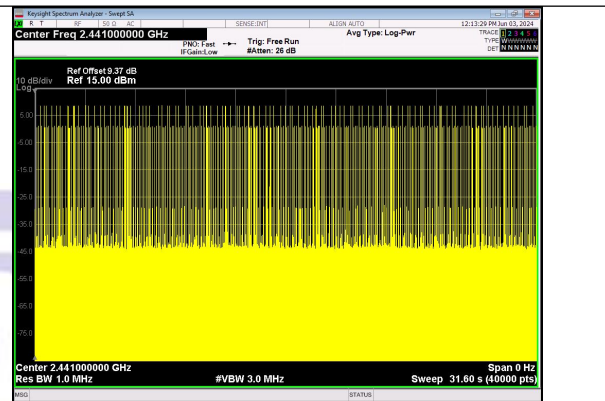


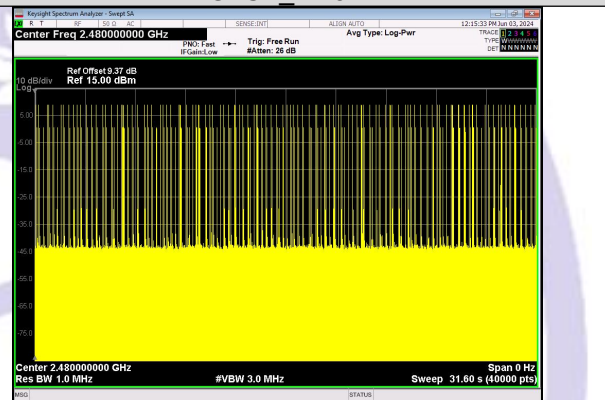
Pulse Width  
GFSK\_DH5



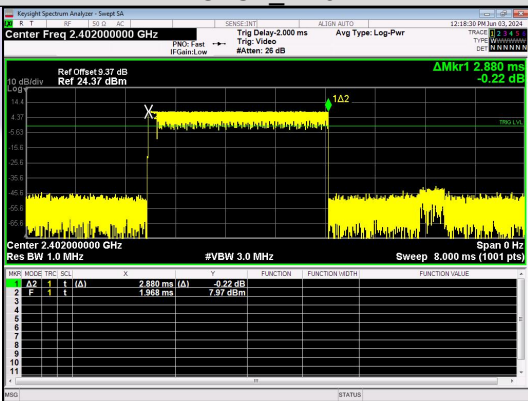
Number of Pulses in 31.6 seconds  
GFSK\_DH5



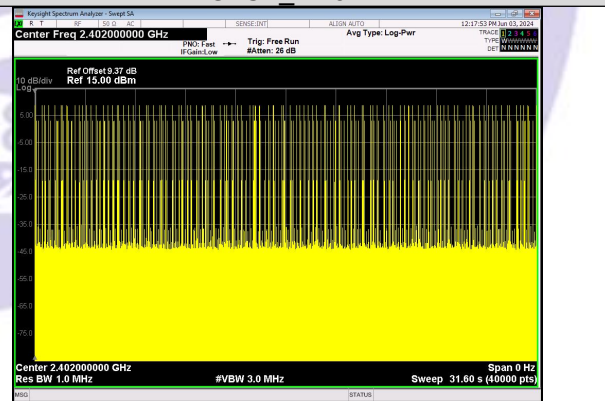
Pulse Width  
GFSK\_DH5



Number of Pulses in 31.6 seconds  
GFSK\_DH5



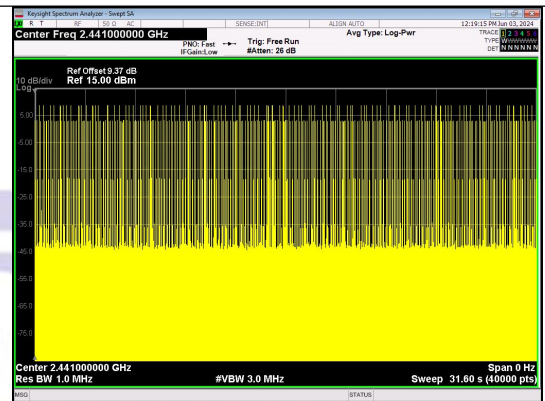
Pulse Width  
 $\pi/4$ DQPSK\_2-DH5



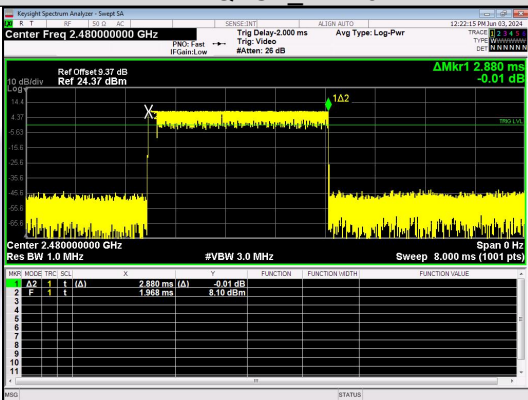
Number of Pulses in 31.6 seconds  
 $\pi/4$ DQPSK\_2-DH5



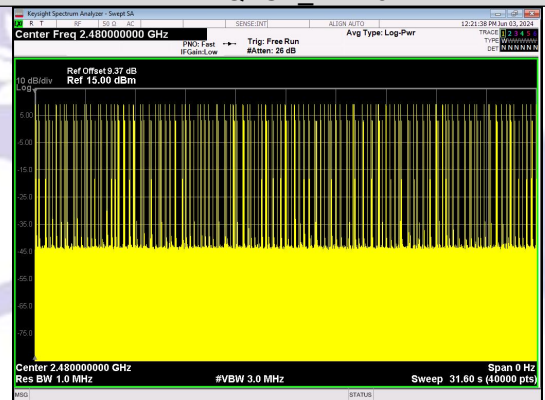
Pulse Width  
 $\pi/4$ DQPSK\_2-DH5



Number of Pulses in 31.6 seconds  
 $\pi/4$ DQPSK\_2-DH5



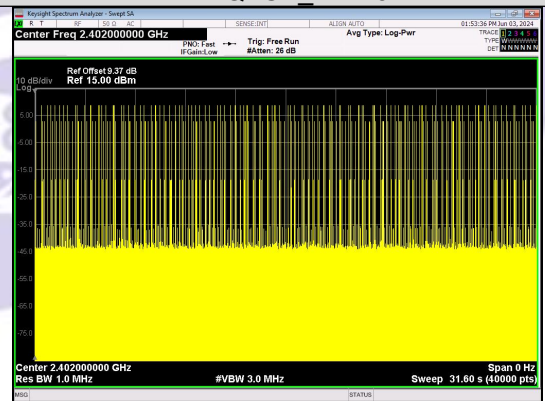
Pulse Width  
 $\pi/4$ DQPSK\_2-DH5



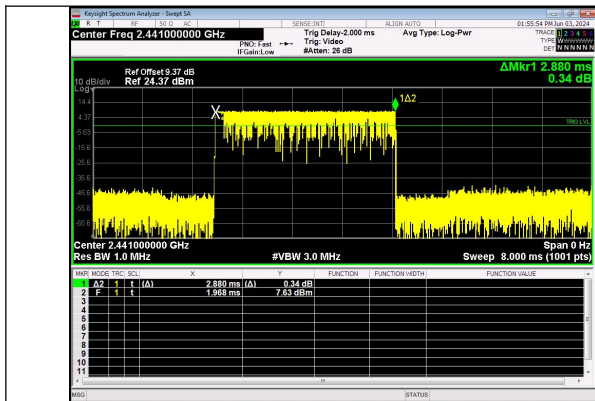
Number of Pulses in 31.6 seconds  
 $\pi/4$ DQPSK\_2-DH5



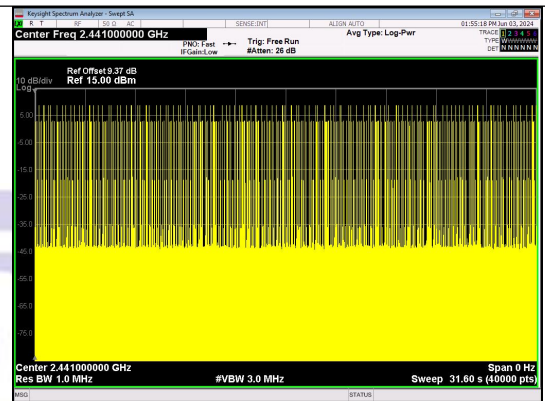
Pulse Width  
8DPSK\_3-DH5



Number of Pulses in 31.6 seconds  
8DPSK\_3-DH5



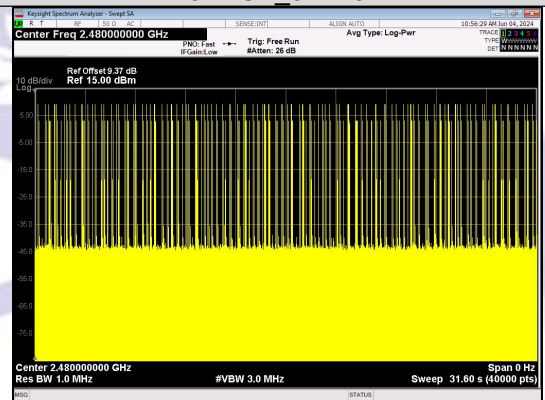
Pulse Width  
8DPSK\_3-DH5



Number of Pulses in 31.6 seconds  
8DPSK\_3-DH5



Pulse Width  
8DPSK\_3-DH5



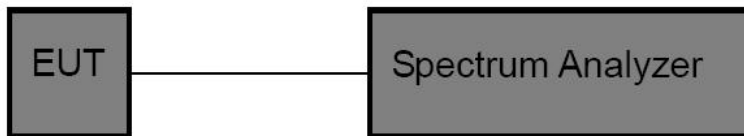
Number of Pulses in 31.6 seconds  
8DPSK\_3-DH5

## 13 100kHz Bandwidth of Frequency Band Edge Requirement

### 13.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (d) & RSS-247 5.5
Test Limit	in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in 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, In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

### 13.2 Test Setup



### 13.3 Test Procedure

The EUT must have its hopping/Non-hopping function enabled. Using the following spectrum analyzer setting:

1. Set the RBW = 100kHz.
2. Set the VBW = 300kHz.
3. Sweep time = auto couple.
4. Detector function = peak.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.

### 13.4 Test Data

#### Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
GFSK	DH1	0	2400.00	-44.719	-11.67	-33.049	PASS	
			21572.2	-47.209	-11.67	-35.539	PASS	
		78	39	21597.1	-47.092	-11.81	-35.282	PASS
			78	2483.50	-49.507	-11.65	-37.857	PASS
$\pi/4$ DQPSK	2-DH1	0	2400.00	-43.774	-11.65	-32.124	PASS	
			21577.2	-47.510	-11.65	-35.860	PASS	
		78	39	21567.2	-47.897	-11.76	-36.137	PASS
			78	2483.50	-48.743	-11.58	-37.163	PASS
8DPSK	3-DH1	0	2400.00	-42.024	-11.58	-30.444	PASS	
			21595.3	-47.214	-11.58	-35.634	PASS	
		78	39	21585.9	-47.066	-11.69	-35.376	PASS
			78	2483.50	-49.704	-11.59	-38.114	PASS
			21147.0	-46.618	-11.59	-35.028	PASS	

#### Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH1	Hopping	2400.00	-46.412	-11.85	-34.562	PASS
			2483.50	-51.431	-11.57	-39.861	PASS
$\pi/4$ DQPSK	2-DH1		2400.00	-43.957	-11.91	-32.047	PASS
			2483.50	-51.559	-11.58	-39.979	PASS
8DPSK	3-DH1		2400.00	-41.823	-11.88	-29.943	PASS
			2483.50	-51.955	-11.55	-40.405	PASS

## Test Graphs

