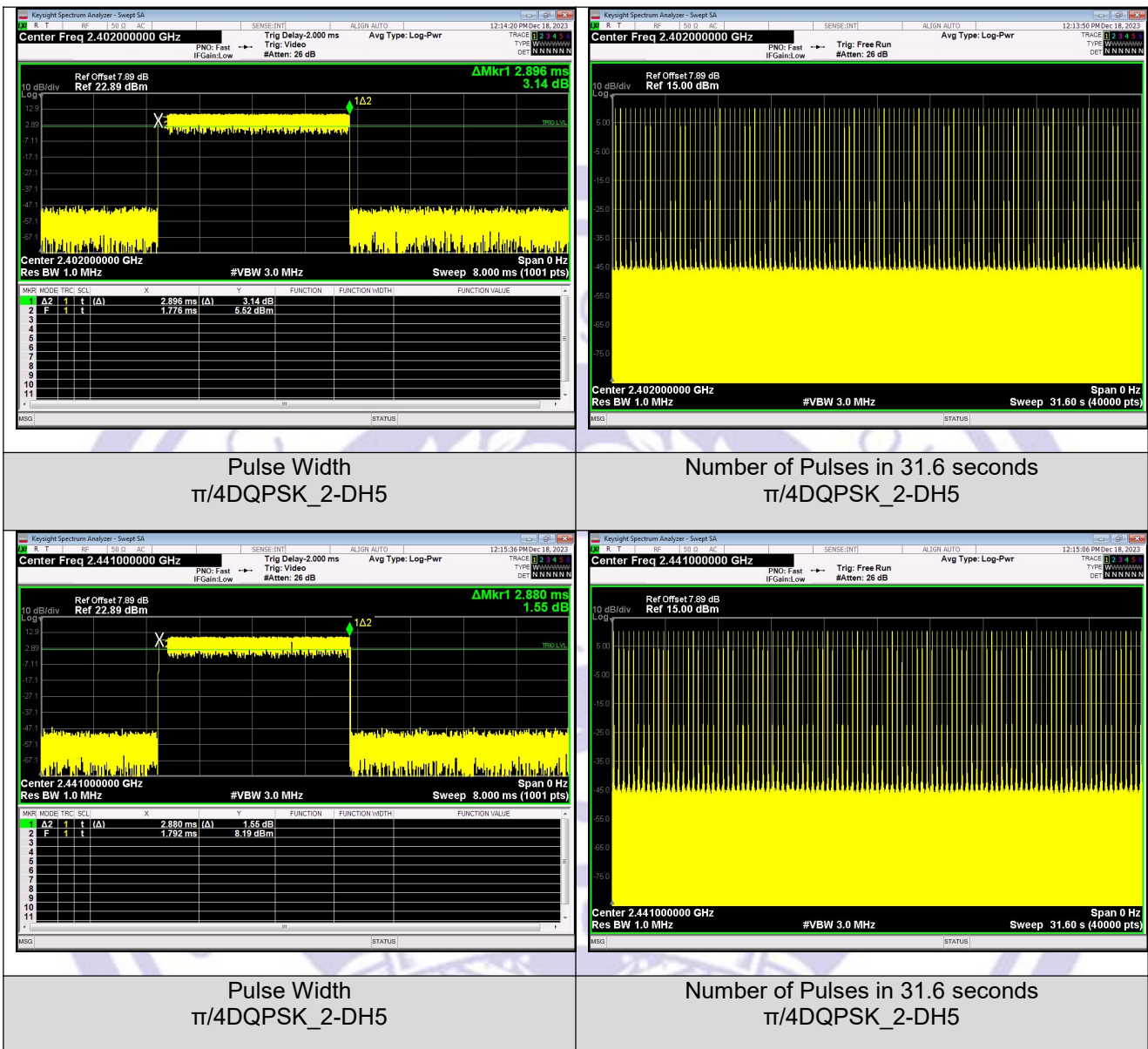


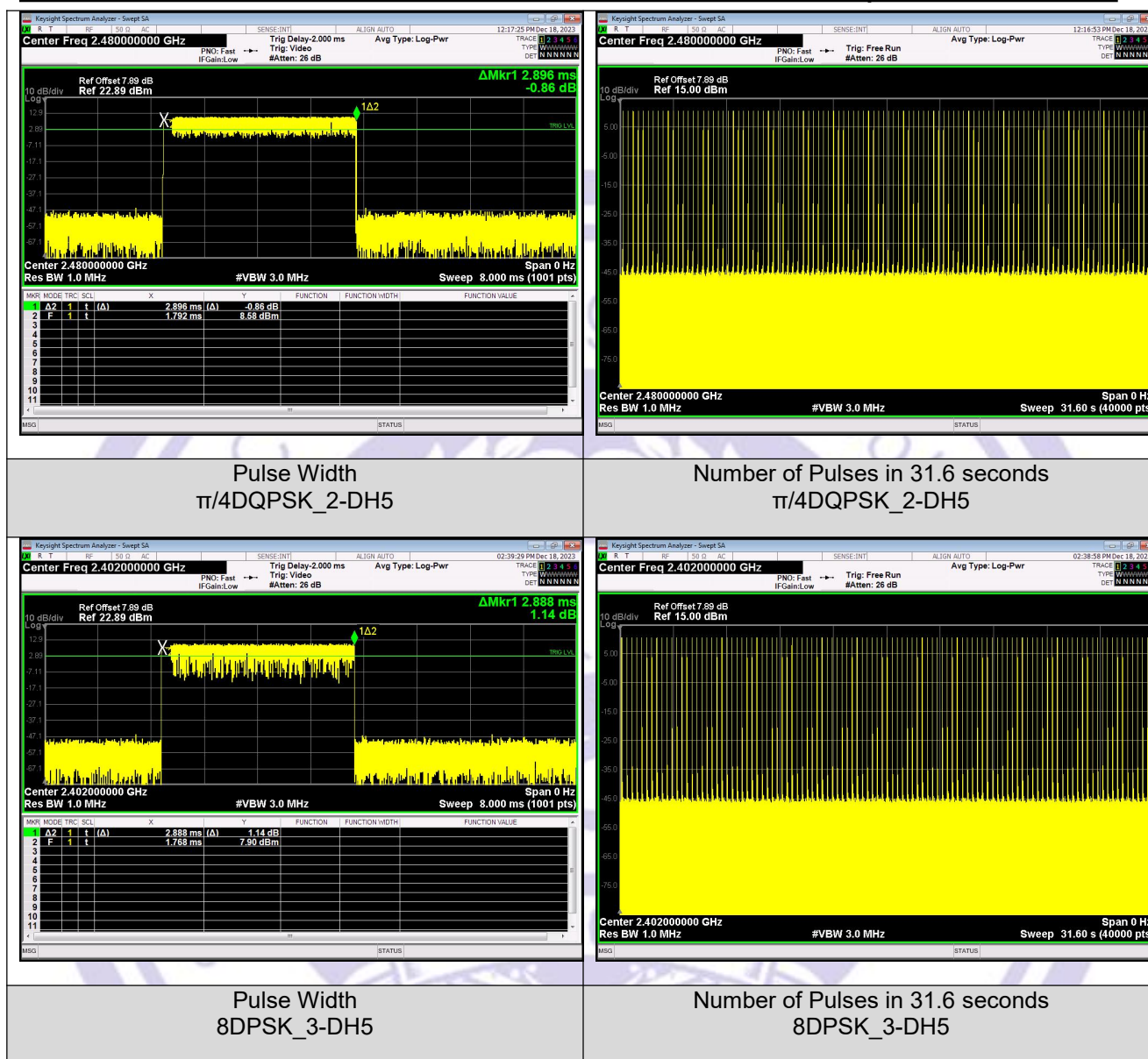


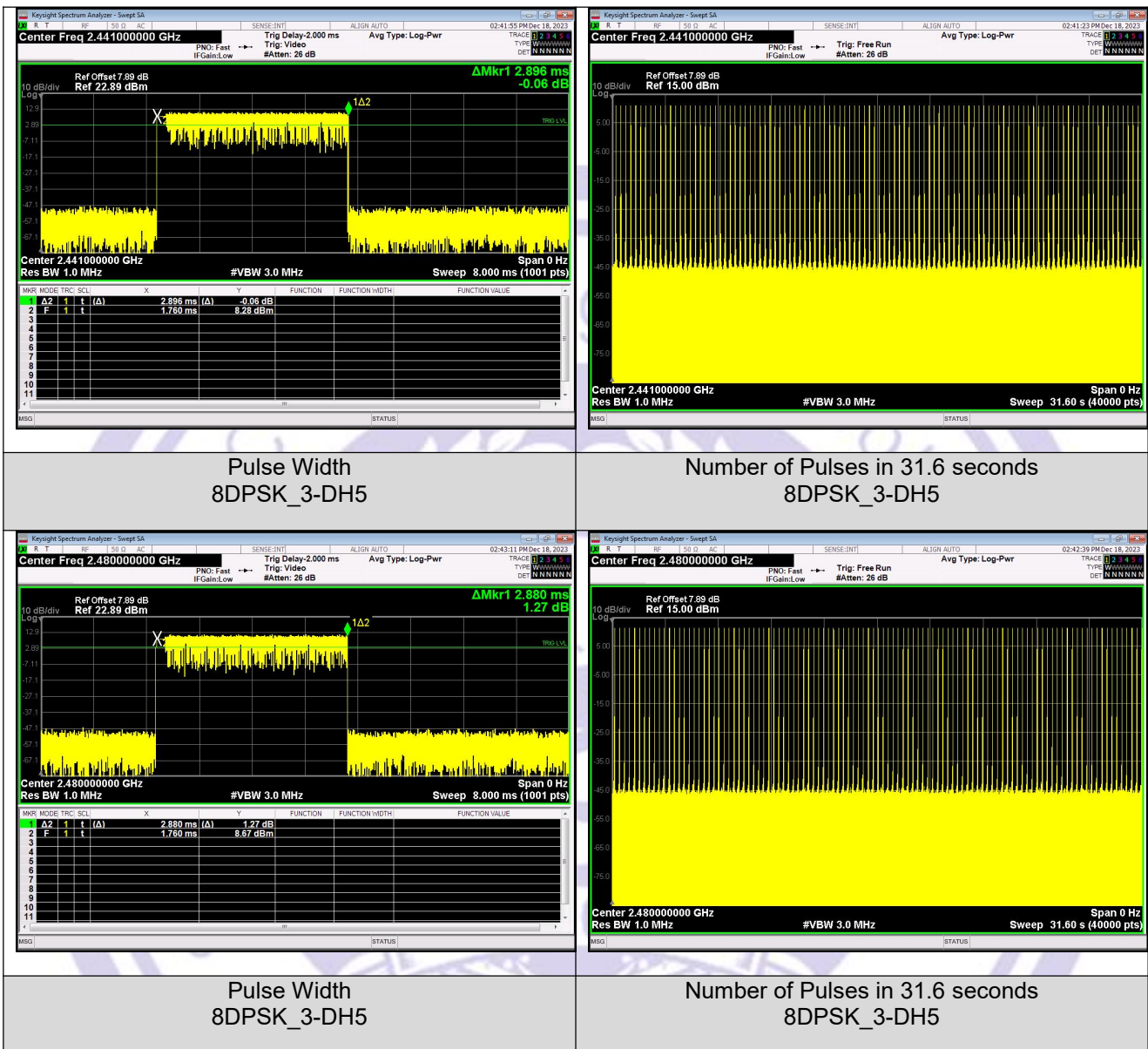
Pulse Width
 $\pi/4$ DQPSK_2-DH5

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

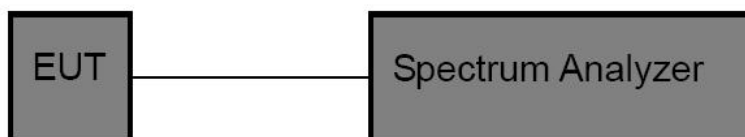
Number of Pulses in 31.6 seconds
8DPSK_3-DH5

13 100kHz Bandwidth of Frequency Band Edge Requirement

13.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (d)
Test Limit	in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum 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, 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.

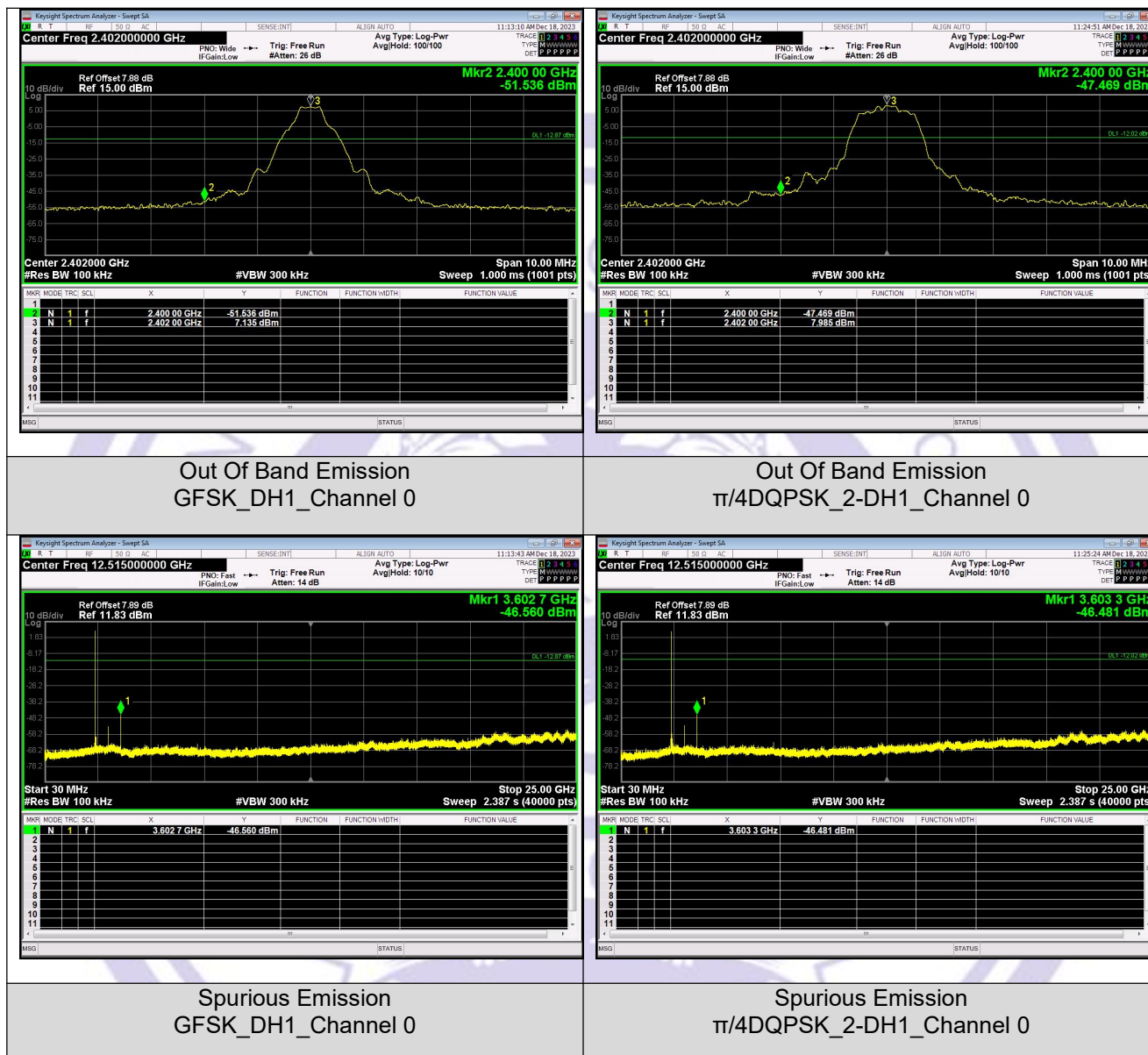
13.4 Test Data

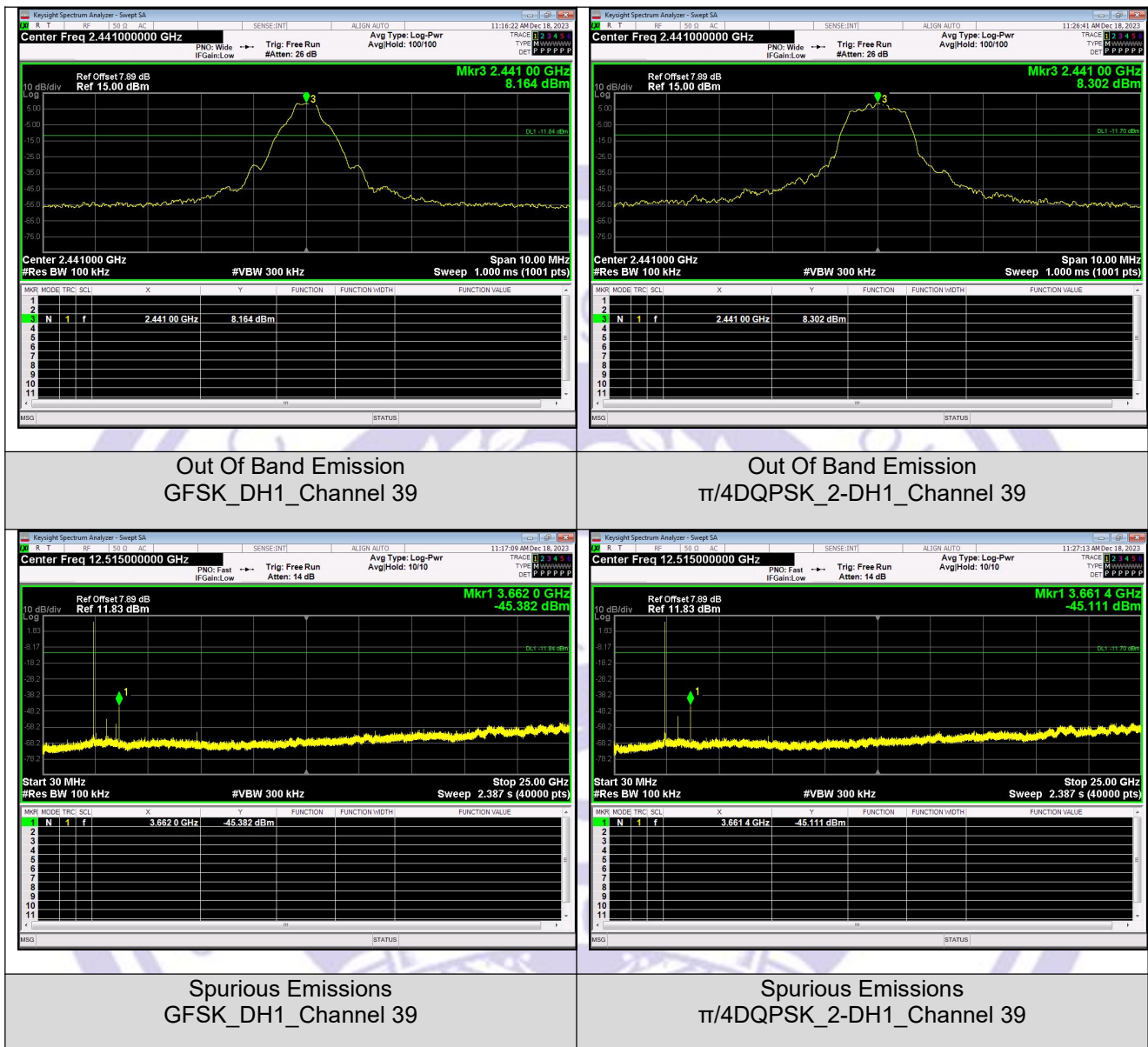
Non-Hopping

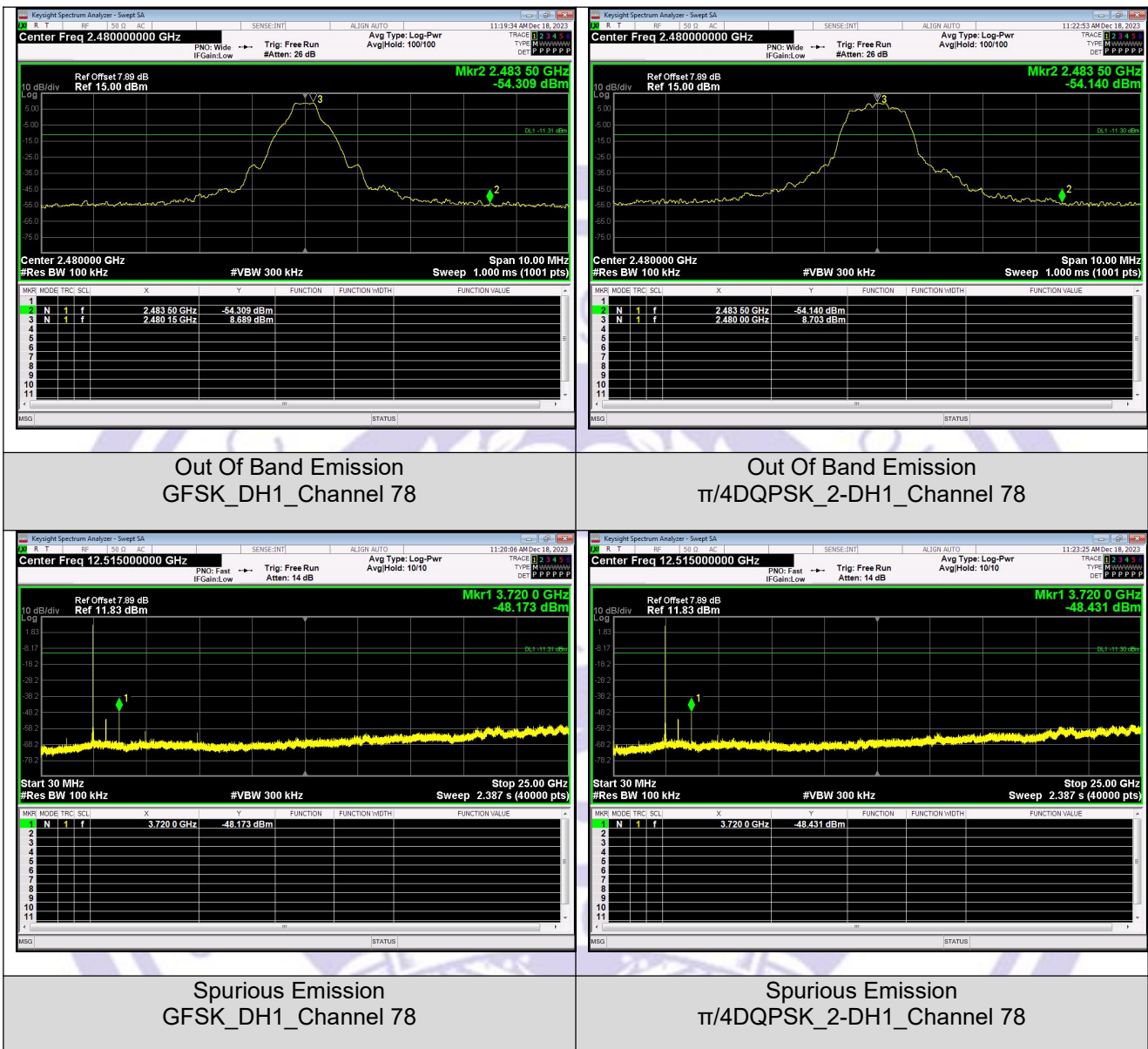
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH1	0	2400.00	-51.536	-12.87	-38.666	PASS
			3602.67	-46.560	-12.87	-33.690	PASS
		39	3661.98	-45.383	-11.84	-33.543	PASS
		78	2483.50	-54.309	-11.31	-42.999	PASS
			3720.03	-48.173	-11.31	-36.863	PASS
$\pi/4$ DQPSK	2-DH1	0	2400.00	-47.469	-12.02	-35.449	PASS
			3603.30	-46.481	-12.02	-34.461	PASS
		39	3661.35	-45.111	-11.7	-33.411	PASS
		78	2483.50	-54.140	-11.3	-42.840	PASS
			3720.03	-48.431	-11.3	-37.131	PASS
8DPSK	3-DH1	0	2400.00	-44.755	-12.03	-32.725	PASS
			3603.30	-44.667	-12.03	-32.637	PASS
		39	3661.35	-49.547	-11.64	-37.907	PASS
		78	2483.50	-50.655	-11.25	-39.405	PASS
			2487.73	-46.717	-11.25	-35.467	PASS

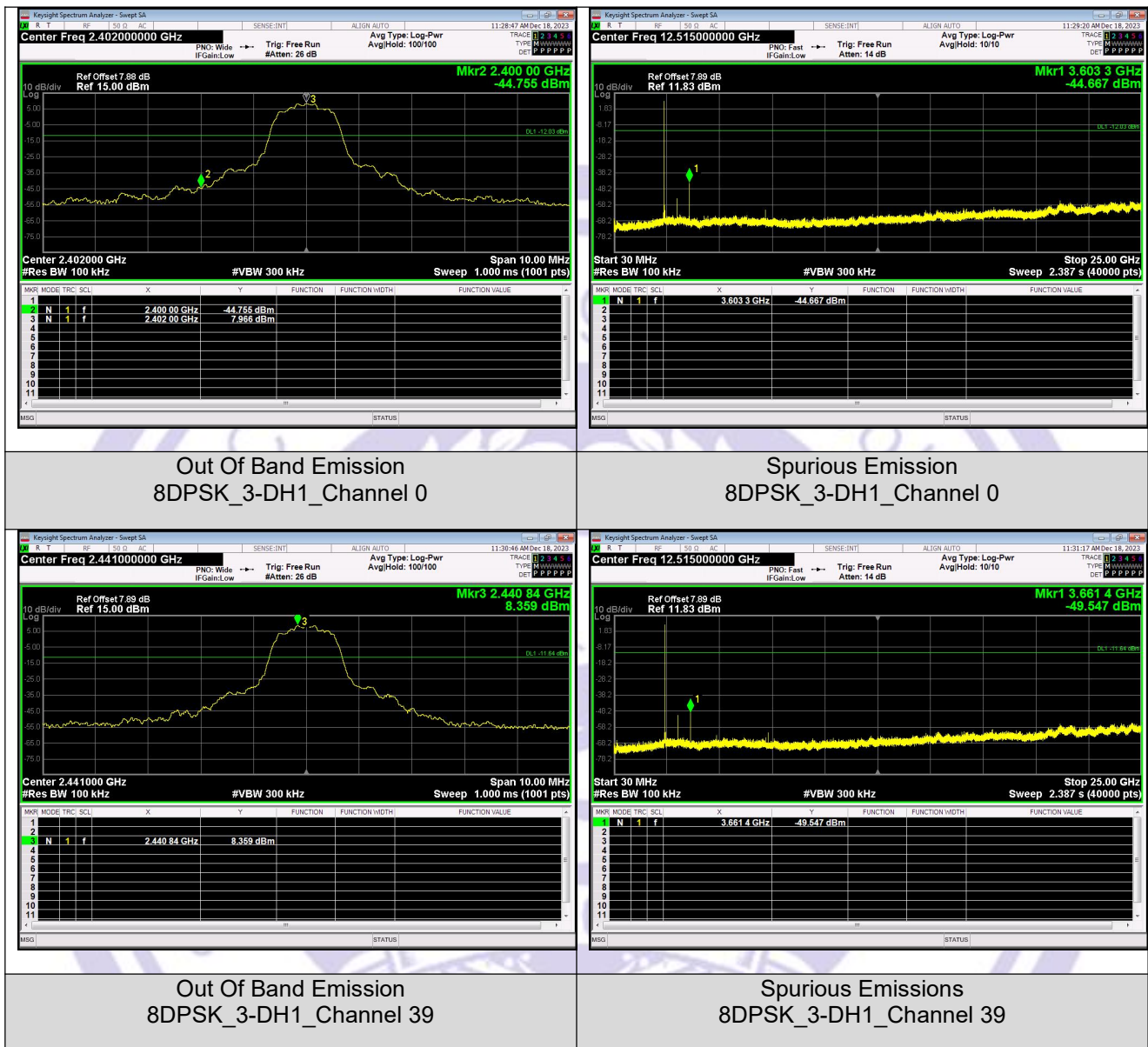
Hopping

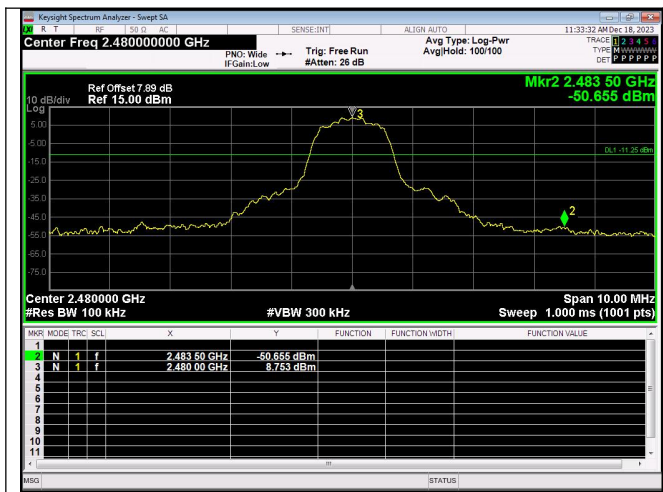
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH1	Hopping	2396.99	-45.824	-11.99	-33.834	PASS
			2400.00	-46.457	-11.99	-34.467	PASS
			2483.50	-55.205	-11.29	-43.915	PASS
$\pi/4$ DQPSK	2-DH1		2397.02	-46.773	-12.06	-34.713	PASS
			2400.00	-47.495	-12.06	-35.435	PASS
			2483.50	-52.157	-11.41	-40.747	PASS
8DPSK	3-DH1		2400.00	-46.191	-12.04	-34.151	PASS
			2483.50	-50.607	-11.17	-39.437	PASS



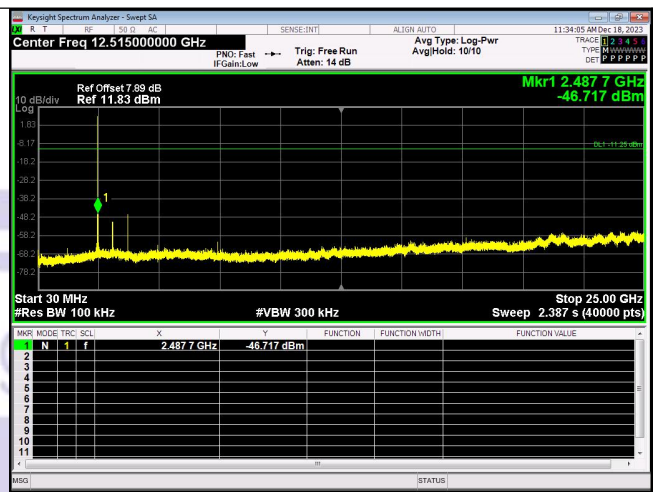




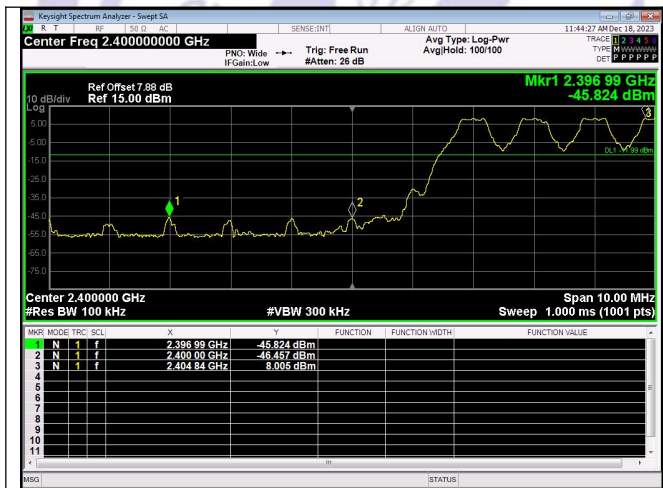




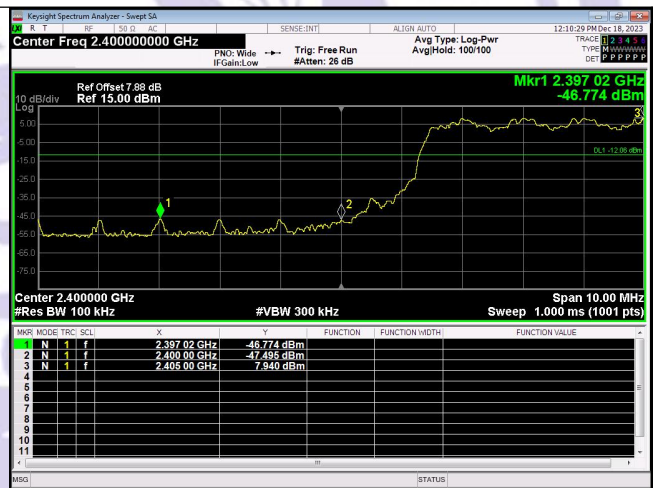
Out Of Band Emission
8DPSK_3-DH1_Channel 78



Spurious Emission
8DPSK_3-DH1_Channel 78



Out Of Band Emission(Left)
GFSK_DH1_Channel Hopping



Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH1_Channel Hopping



Out Of Band Emission(Right)
GFSK_DH1_Channel Hopping



Out Of Band Emission(Right)
 $\pi/4$ DQPSK_2-DH1_Channel Hopping



Out Of Band Emission(Left)
8DPSK_3-DH1_Channel Hopping



Out Of Band Emission(Right)
8DPSK_3-DH1_Channel Hopping

14 Antenna Requirement

14.1 Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203 /247(c)
Requirement	1) 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 2) 15.247(c) (1)(i) requirement: Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

14.2 Antenna Connected Construction

The antenna is Button antenna which permanently attached, and the best case gain of the antenna is 2.29 dBi. It complies with the standard requirement.

15 APPENDIX I -- TEST SETUP PHOTOGRAPH

Please see the attachment for details.



16 APPENDIX II -- EUT PHOTOGRAPH

Please see the attachment for details.

----- End of Report -----

