



Keyway Testing Technology (Guangdong) Co., Ltd
21/F., Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30,
Tangxia District, Dongshen Road, Tangxia, Dongguan, Guangdong, China

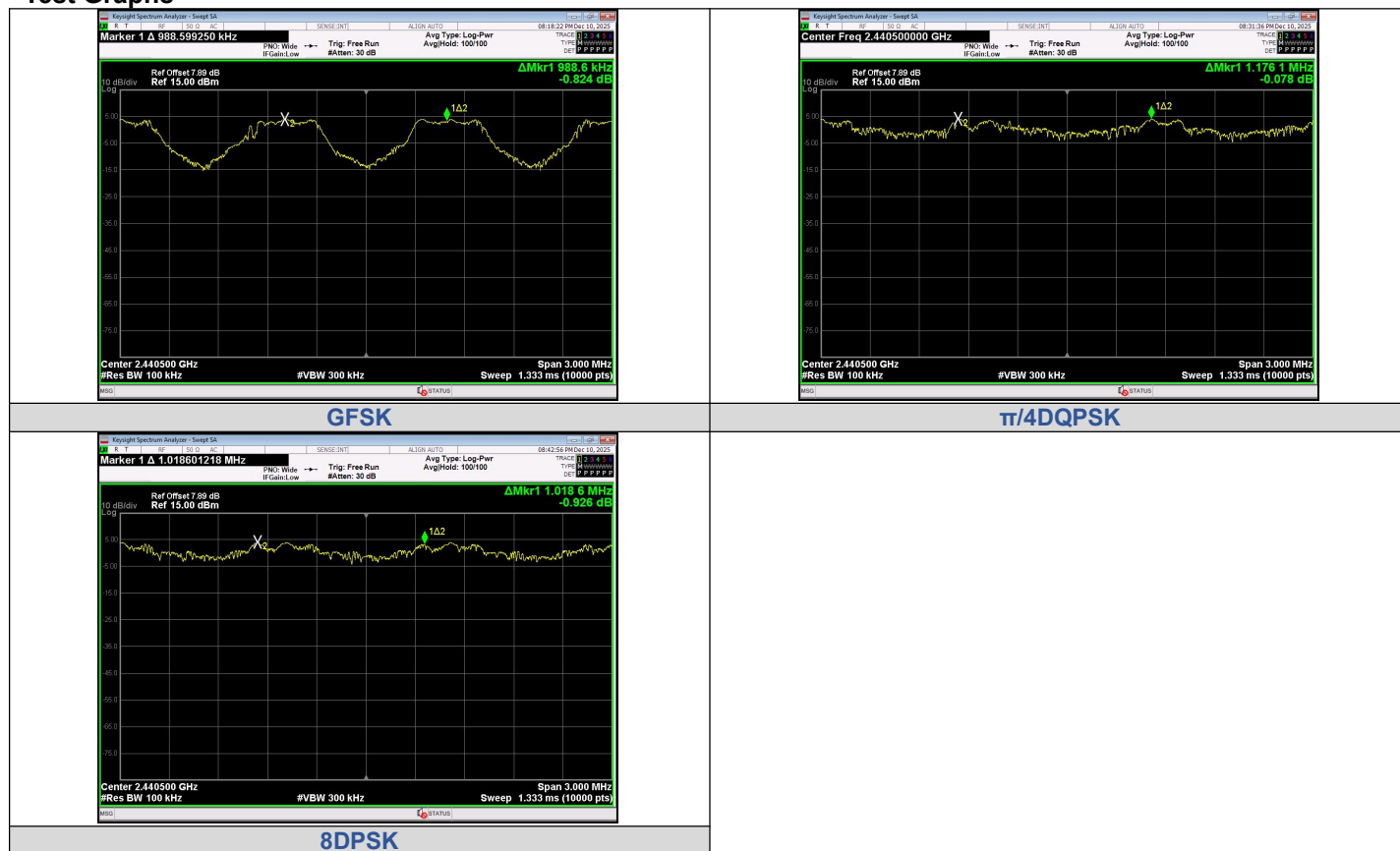
A.6 CARRIER FREQUENCIES SEPARATION

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH1	2439.0153	2440.0039	0.9886	0.614	PASS
$\pi/4$ DQPSK	2-DH1	2439.8368	2441.0129	1.1761	0.896	PASS
8DPSK	3-DH1	2438.8191	2439.8377	1.0186	0.861	PASS

Note: For conducted power less than 0.125 W(20.97 dBm), the limit can be set using hopping channel carrier frequencies that are separated by 25 kHz or two thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

Test Graphs





Keyway Testing Technology (Guangdong) Co., Ltd
21/F., Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30,
Tangxia District, Dongshen Road, Tangxia, Dongguan, Guangdong, China

A.7 CONDUCTED OUT OF BAND EMISSION

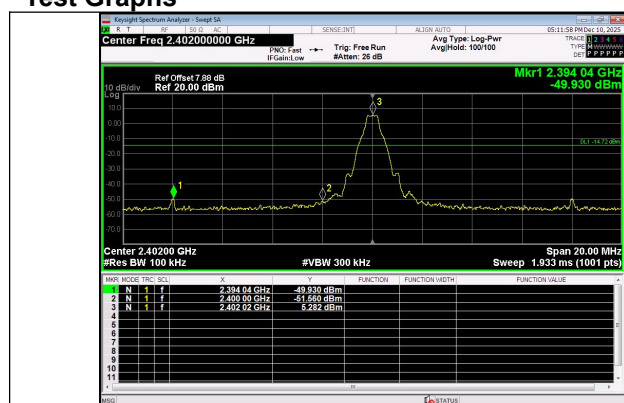
Test Result
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH1	0	2394.04	-49.930	-14.72	-35.210	PASS
			2400.00	-51.560	-14.72	-36.840	PASS
			21138.3	-46.500	-14.72	-31.780	PASS
		39	21213.8	-46.636	-15.84	-30.796	PASS
			2483.50	-56.002	-15.74	-40.262	PASS
			21600.2	-46.421	-15.74	-30.681	PASS
$\pi/4$ DQPSK	2-DH1	0	2393.96	-49.440	-14.95	-34.490	PASS
			2400.00	-50.110	-14.95	-35.160	PASS
			21588.4	-46.590	-14.95	-31.640	PASS
		39	21161.4	-46.698	-15.93	-30.768	PASS
			2483.50	-53.457	-15.77	-37.687	PASS
			24980.7	-45.392	-15.77	-29.622	PASS
8DPSK	3-DH1	0	2400.00	-46.198	-14.9	-31.298	PASS
			21607.7	-46.524	-14.9	-31.624	PASS
			24923.8	-47.274	-15.95	-31.324	PASS
		39	2483.50	-50.658	-15.72	-34.938	PASS
			21575.9	-47.108	-15.72	-31.388	PASS
			2394.04	-49.930	-14.72	-35.210	PASS

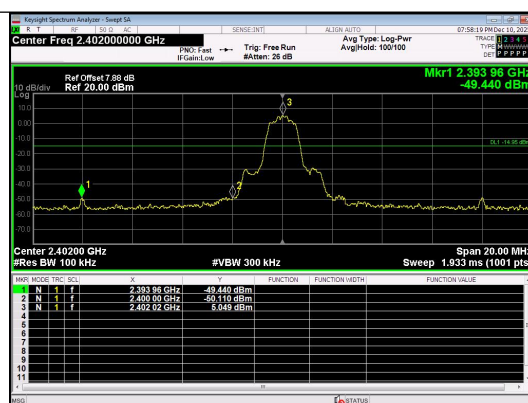
Note: input compensation coefficient (dB)= Cable Loss (dB)
Hopping

Hopping							
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH1	Hopping	2400.00	-49.067	-14.58	-34.487	PASS
			2483.50	-55.614	-15.78	-39.834	PASS
			2394.00	-48.943	-14.67	-34.273	PASS
π/4DQPSK	2-DH1		2400.00	-49.072	-14.67	-34.402	PASS
			2483.50	-55.227	-15.85	-39.377	PASS
			2400.00	-47.417	-14.66	-32.757	PASS
8DPSK	3-DH1		2483.50	-55.610	-15.88	-39.730	PASS
			2400.00	-49.067	-14.58	-34.487	PASS
			2483.50	-55.614	-15.78	-39.834	PASS

Note: input compensation coefficient (dB)= Cable Loss (dB)
Test Graphs



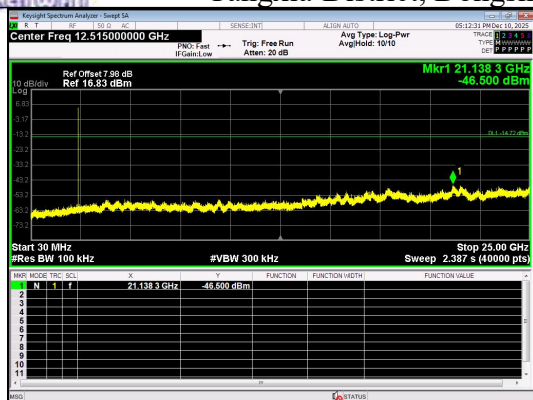
Out Of Band Emission
GFSK_DH1_Channel 0



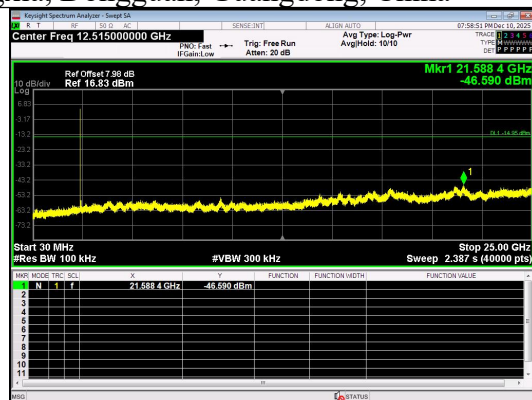
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH1_Channel 0



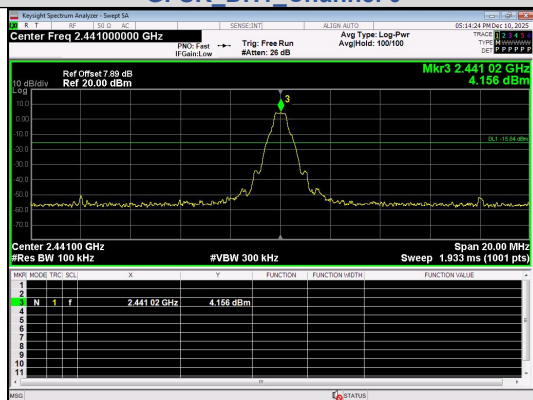
Keyway Testing Technology (Guangdong) Co., Ltd
21/F., Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30,
Tangxia District, Dongshen Road, Tangxia, Dongguan, Guangdong, China



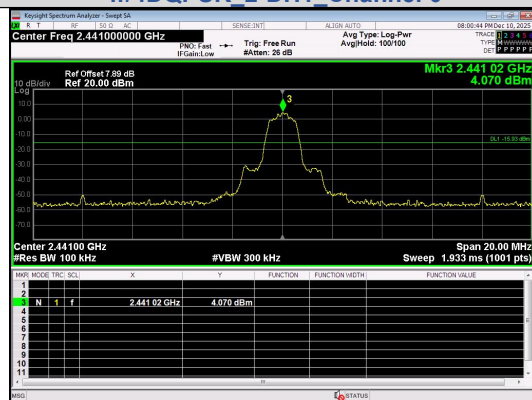
30.0 MHz - 25000.0 MHz
GFSK_DH1_Channel 0



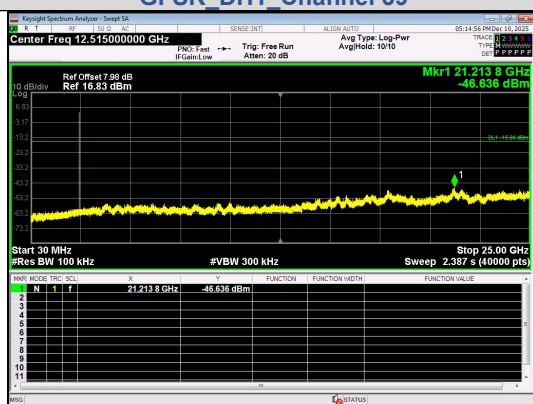
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH1_Channel 0



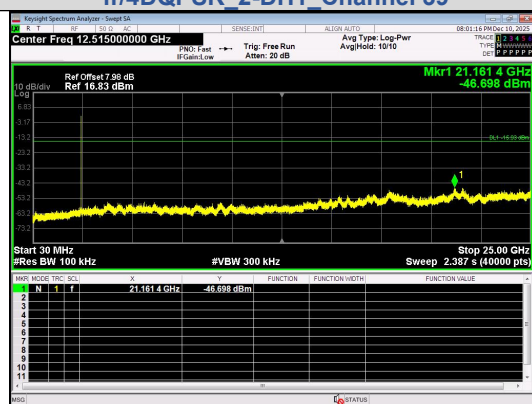
Out Of Band Emission
GFSK_DH1_Channel 39



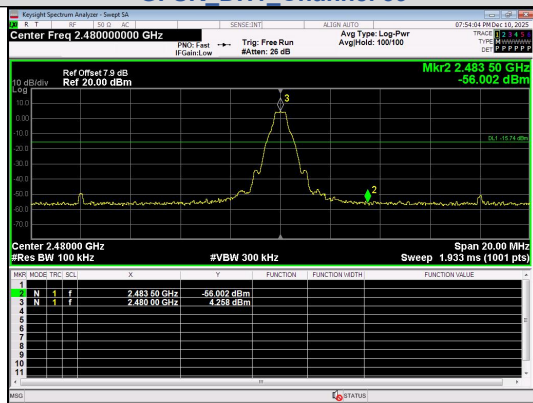
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH1_Channel 39



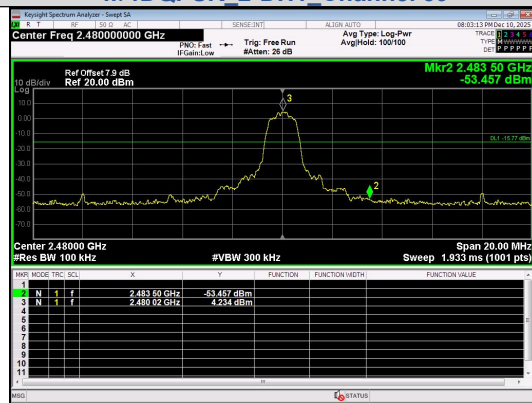
30.0 MHz - 25000.0 MHz
GFSK_DH1_Channel 39



30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH1_Channel 39



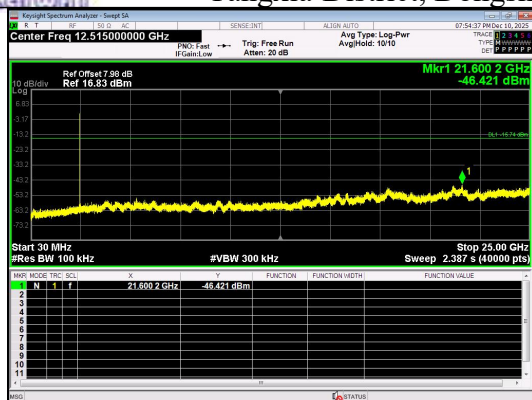
Out Of Band Emission
GFSK_DH1_Channel 78



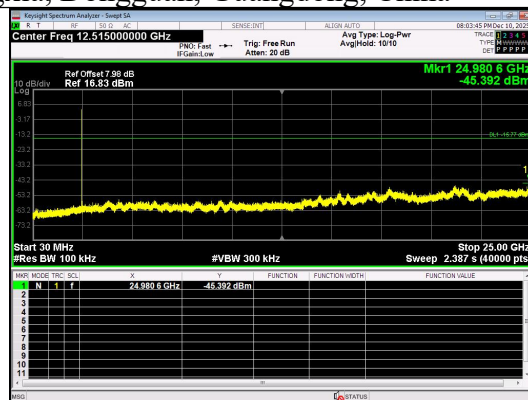
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH1_Channel 78



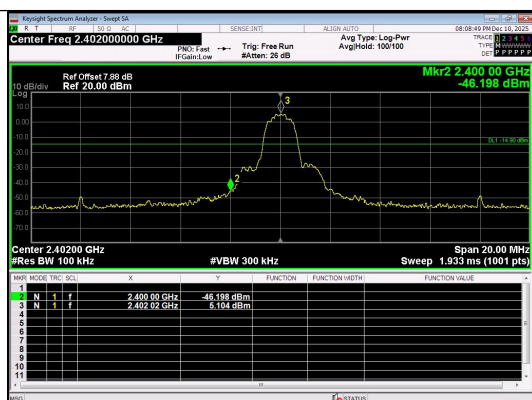
Keyway Testing Technology (Guangdong) Co., Ltd
21/F., Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30,
Tangxia District, Dongshen Road, Tangxia, Dongguan, Guangdong, China



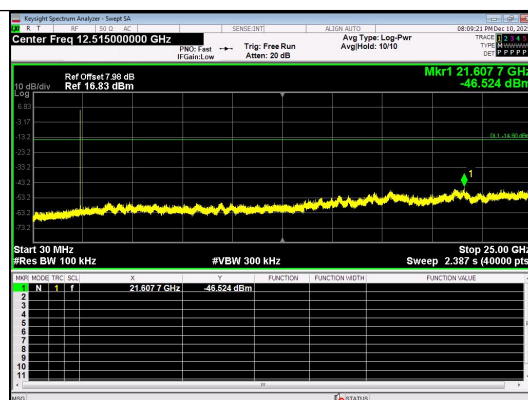
30.0 MHz - 25000.0 MHz
GFSK_DH1_Channel 78



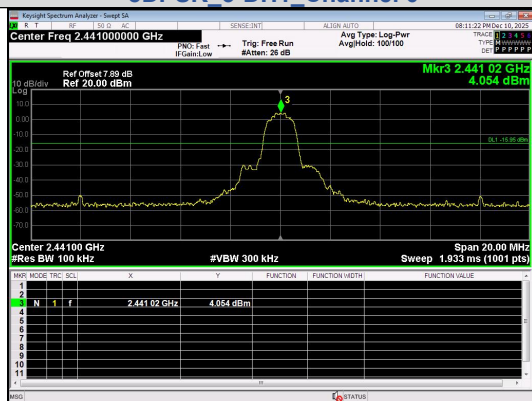
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH1_Channel 78



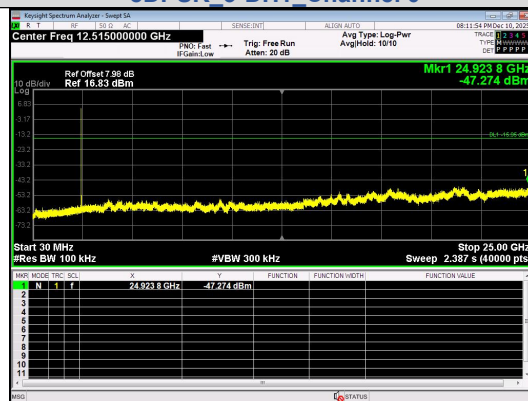
Out Of Band Emission
8DPSK_3-DH1_Channel 0



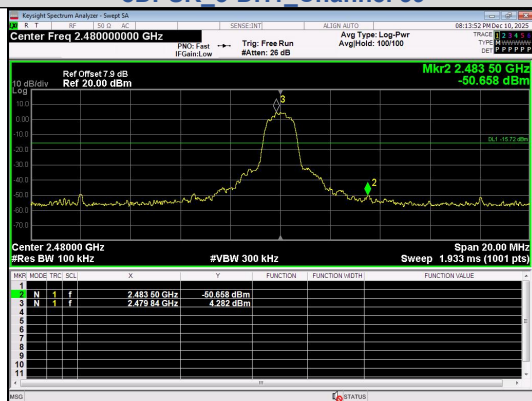
30.0 MHz - 25000.0 MHz
8DPSK_3-DH1_Channel 0



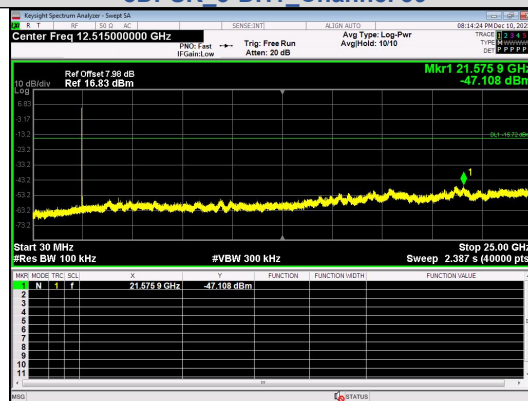
Out Of Band Emission
8DPSK_3-DH1_Channel 39



30.0 MHz - 25000.0 MHz
8DPSK_3-DH1_Channel 39



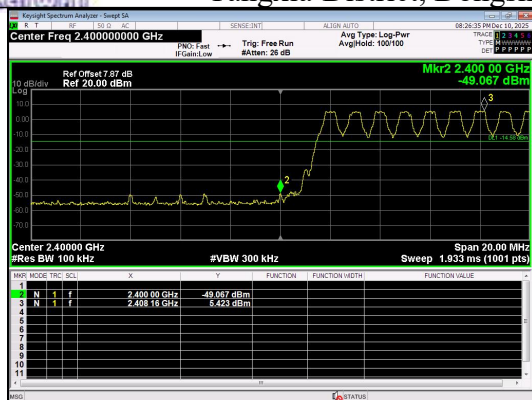
Out Of Band Emission
8DPSK_3-DH1_Channel 78



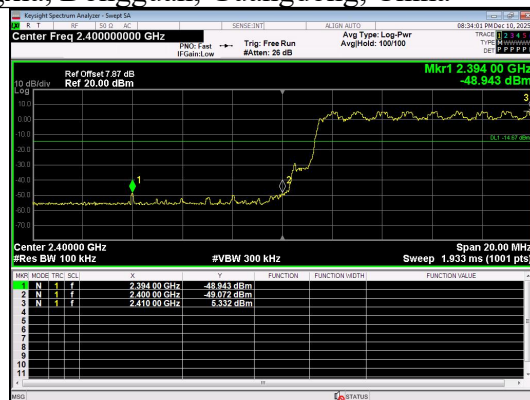
30.0 MHz - 25000.0 MHz
8DPSK_3-DH1_Channel 78



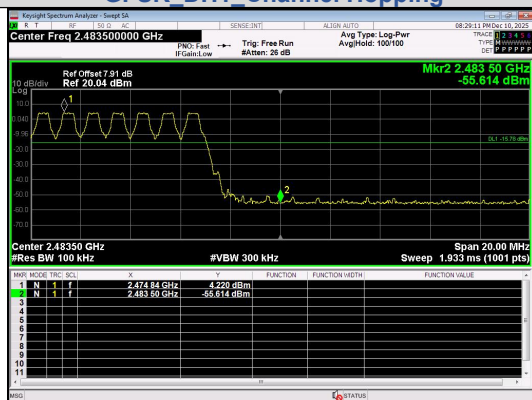
Keyway Testing Technology (Guangdong) Co., Ltd
21/F., Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30,
Tangxia District, Dongshen Road, Tangxia, Dongguan, Guangdong, China



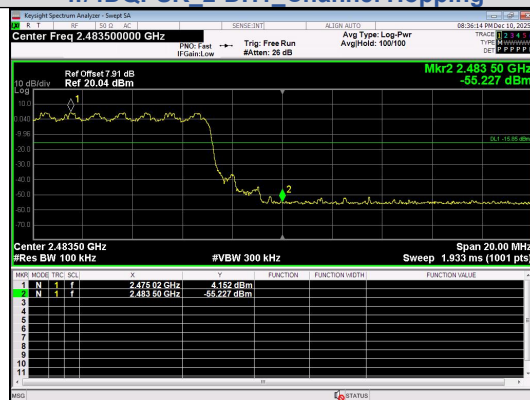
Out Of Band Emission(Left)
GFSK_DH1_Channel Hopping



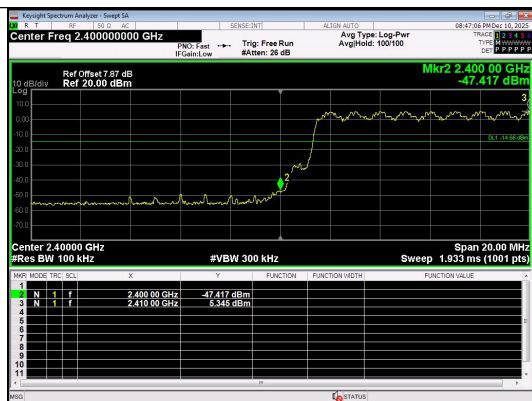
Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-DH1_Channel Hopping



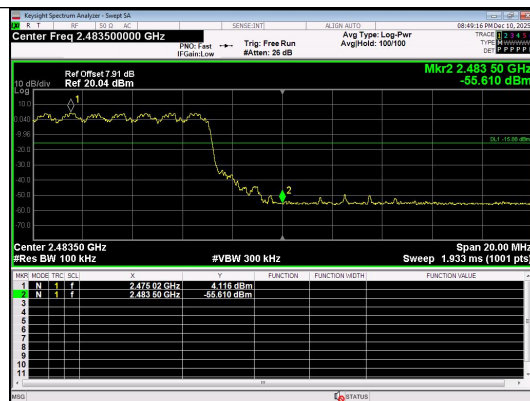
Out Of Band Emission(Right)
GFSK_DH1_Channel Hopping



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