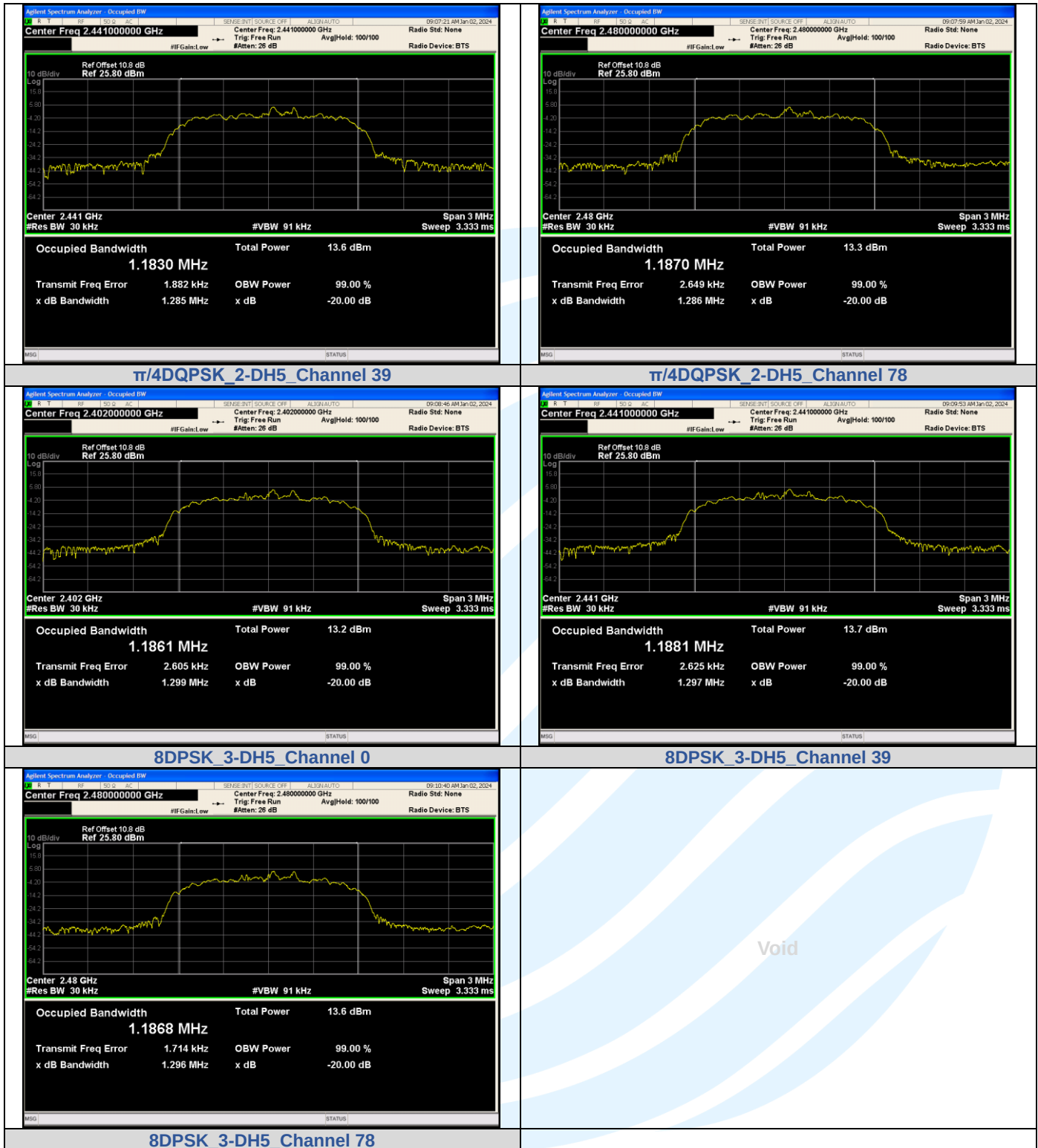


A.2 20DB BANDWIDTH

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9487
	39	2441 MHz	0.9420
	78	2480 MHz	0.9402
$\pi/4$ DQPSK	0	2402 MHz	1.285
	39	2441 MHz	1.285
	78	2480 MHz	1.286
8DPSK	0	2402 MHz	1.299
	39	2441 MHz	1.297
	78	2480 MHz	1.296

Test Graphs





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A.3 CARRIER FREQUENCIES SEPARATION

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.838	2440.8449	1.0069	0.628	PASS
$\pi/4$ DQPSK	2-DH5	2440.0087	2441.0087	1.0000	0.857	PASS
8DPSK	3-DH5	2440.1644	2441.1644	1.0000	0.865	PASS

Test Graphs



A.4 CONDUCTED OUT OF BAND EMISSION

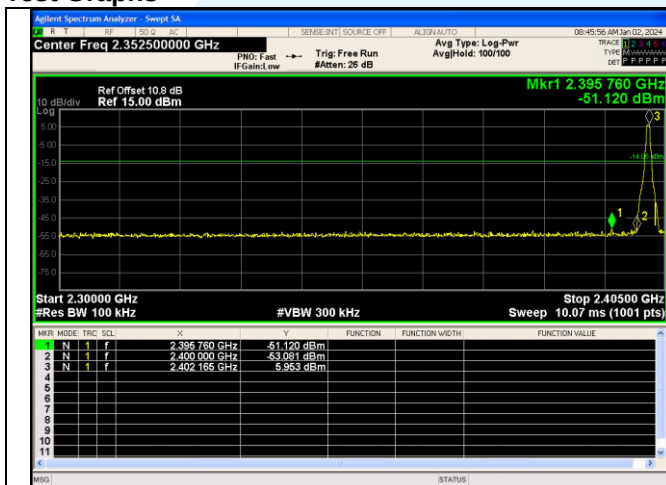
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2400.00	-53.081	-14.05	-39.031	PASS
			2395.76	-51.120	-14.05	-37.070	PASS
			24282.7	-53.120	-14.05	-39.070	PASS
		39	24323.9	-52.844	-13.48	-39.364	PASS
		78	2483.50	-53.945	-13.62	-40.325	PASS
			24438.2	-53.546	-13.62	-39.926	PASS
π /4DQPSK	2-DH5	0	2400.00	-46.189	-14.1	-32.089	PASS
			24848.9	-52.246	-14.1	-38.146	PASS
		39	24937.0	-53.130	-13.67	-39.460	PASS
			2483.50	-50.216	-13.64	-36.576	PASS
		78	24304.6	-52.744	-13.64	-39.104	PASS
			2483.50	-52.744	-13.64	-39.104	PASS
8DPSK	3-DH5	0	2400.00	-47.189	-14.13	-33.059	PASS
			24371.4	-52.850	-14.13	-38.720	PASS
		39	24971.3	-53.025	-13.76	-39.265	PASS
			2483.50	-49.358	-13.55	-35.808	PASS
		78	2483.50	-49.358	-13.55	-35.808	PASS
			24282.1	-52.255	-13.55	-38.705	PASS

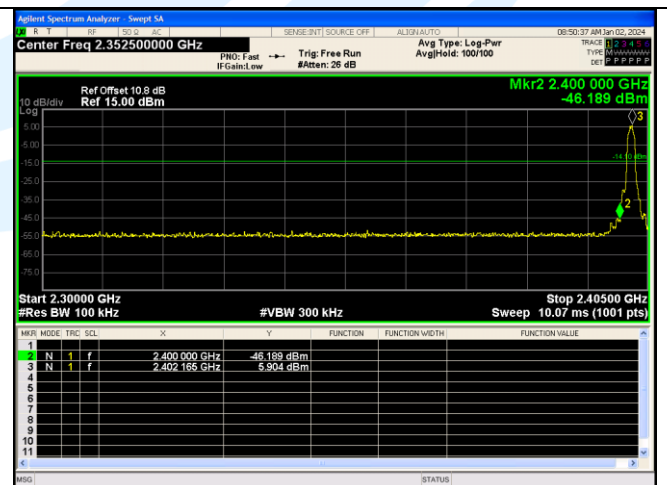
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2397.02	-30.883	-14.01	-16.873	PASS
			2400.00	-46.559	-14.01	-32.549	PASS
			2483.50	-53.589	-13.26	-40.329	PASS
			2357.96	-51.392	-14.0	-37.392	PASS
			2400.00	-51.594	-14.0	-37.594	PASS
			2483.50	-52.582	-13.52	-39.062	PASS
$\pi/4$ DQPSK	2-DH5		2397.02	-28.534	-14.03	-14.504	PASS
			2400.00	-42.273	-14.03	-28.243	PASS
			2483.50	-49.657	-13.54	-36.117	PASS
			2400.00	-47.635	-14.05	-33.585	PASS
			2483.50	-51.548	-13.45	-38.098	PASS
			2400.00	-46.905	-13.78	-33.125	PASS
8DPSK	3-DH5		2483.50	-53.104	-13.4	-39.704	PASS
			2400.00	-47.036	-13.98	-33.056	PASS
			2483.50	-50.892	-13.61	-37.282	PASS
			2483.50	-50.892	-13.61	-37.282	PASS

Test Graphs



Out Of Band Emission



Out Of Band Emission

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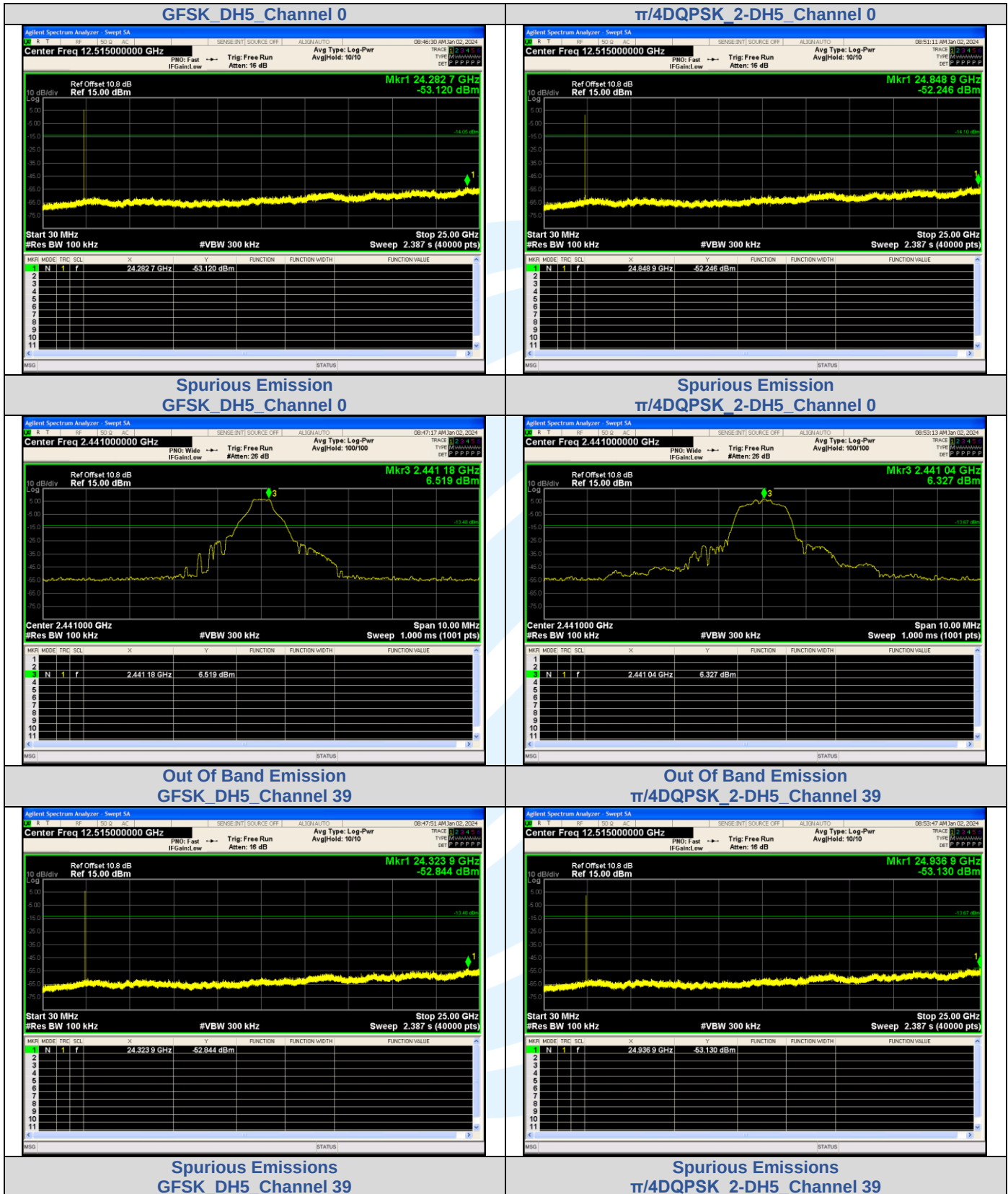
Tel: +86-755-28230888

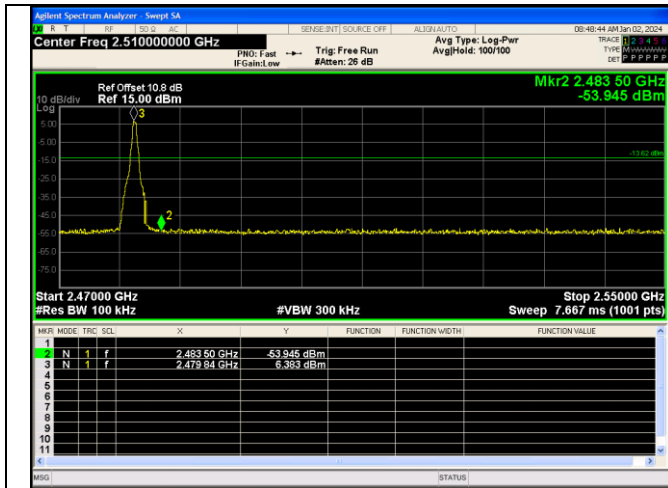
Fax: +86-755-28230886

E-mail: info@uttlab.com

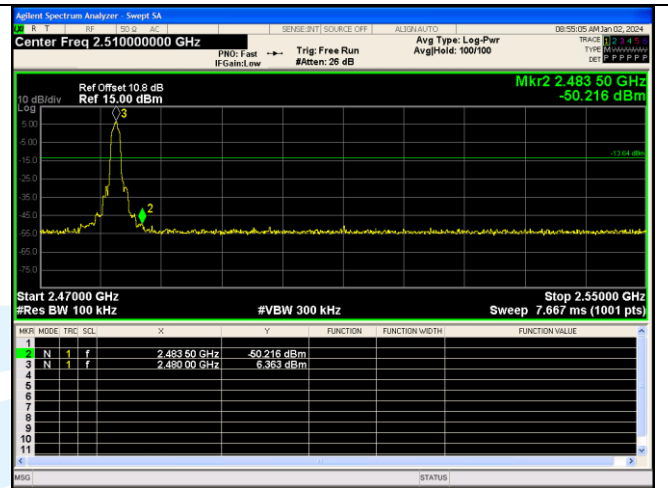
<http://www.uttlab.com>

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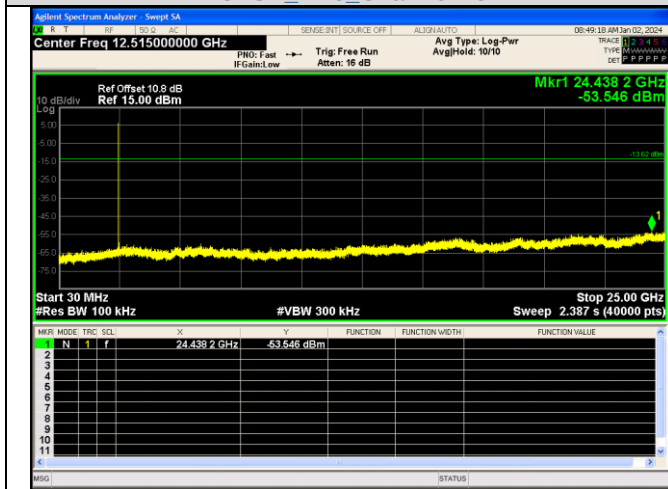




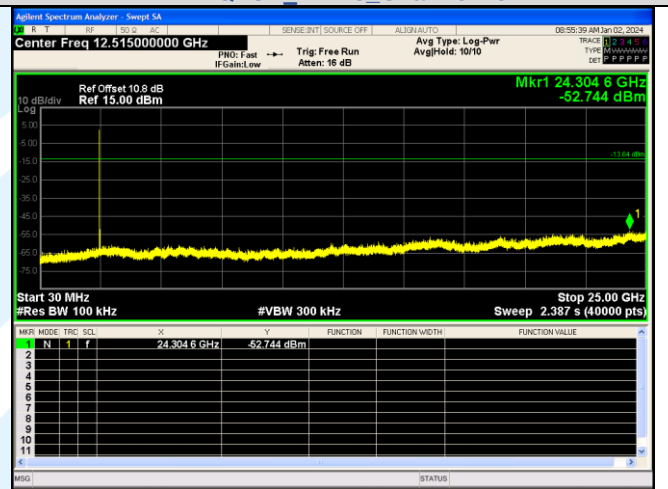
Out Of Band Emission
GFSK_DH5_Channel 78



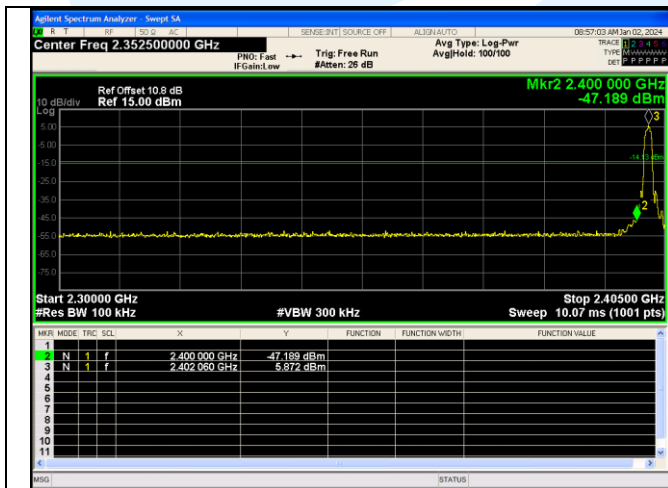
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78



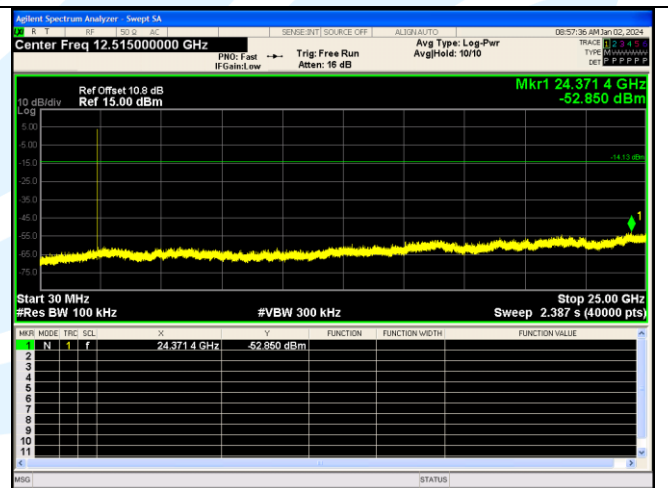
Spurious Emission
GFSK_DH5_Channel 78



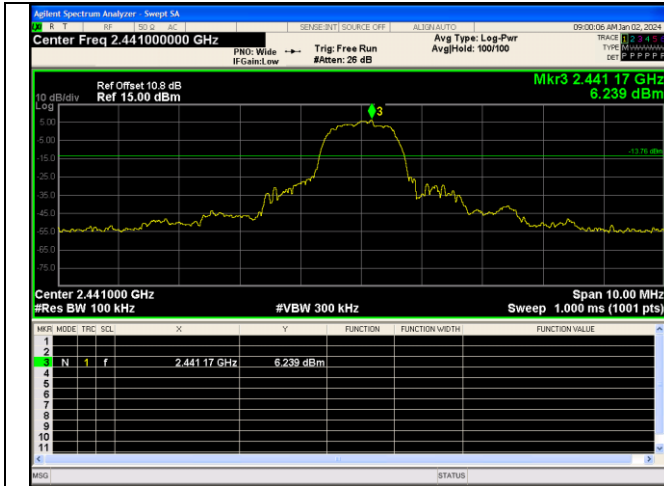
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 $\pi/4$ DQPSK_2-DH5_Channel 78



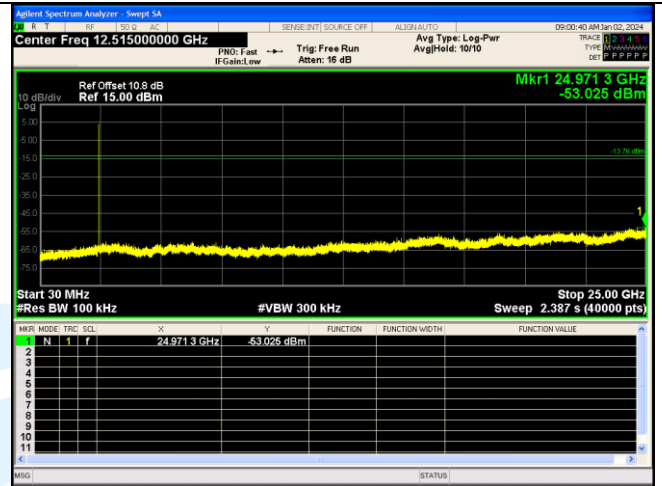
Out Of Band Emission
8DPSK_3-DH5_Channel 0



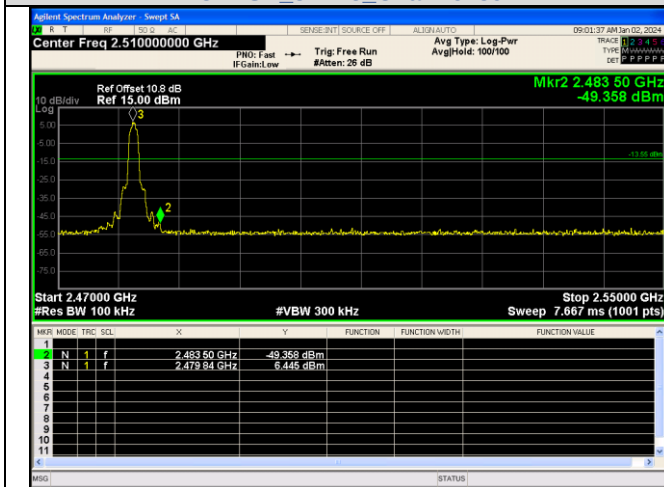
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8DPSK_3-DH5_Channel 0



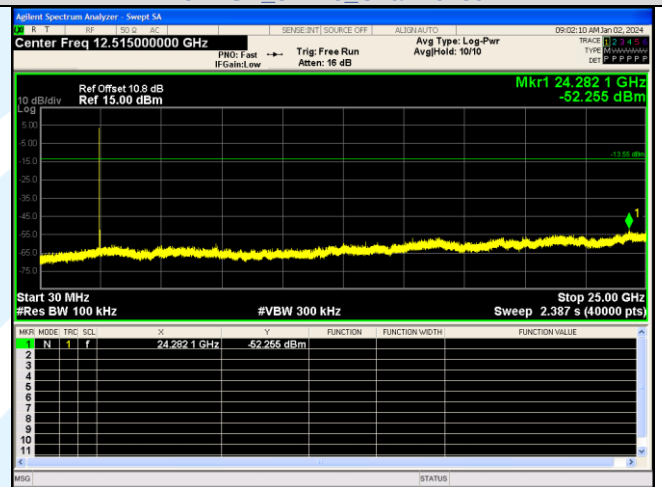
Out Of Band Emission
8DPSK_3-DH5_Channel 39



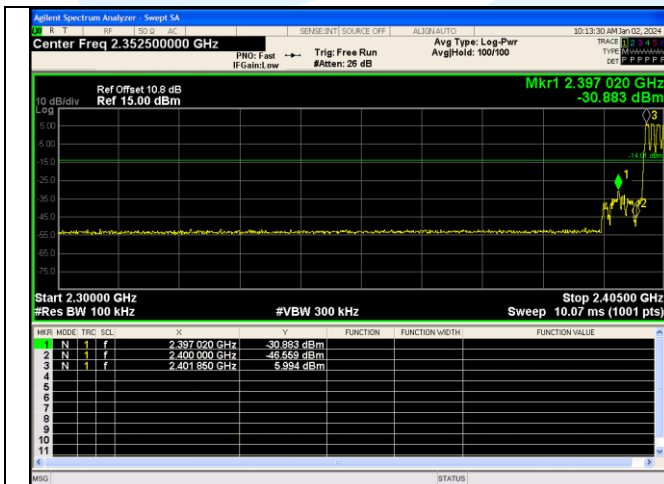
Spurious Emissions
8DPSK_3-DH5_Channel 39



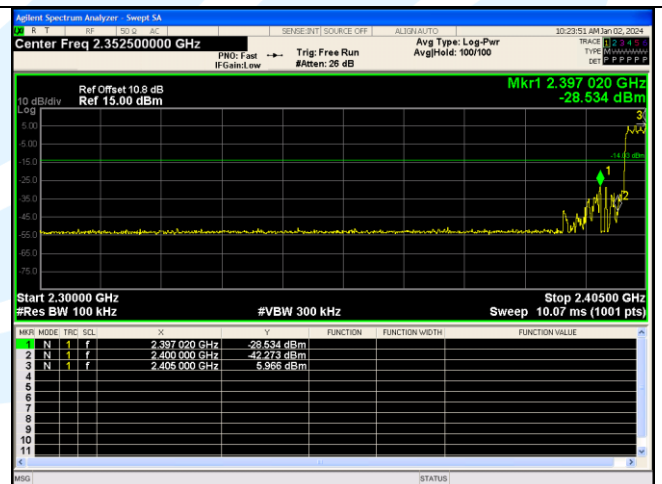
Out Of Band Emission
8DPSK_3-DH5_Channel 78



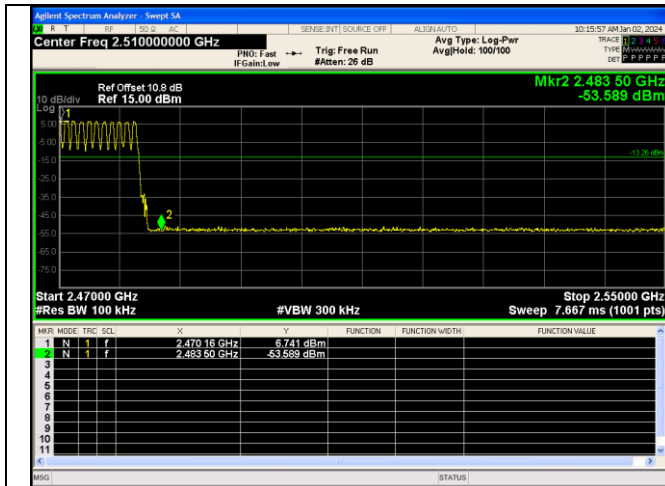
Spurious Emission
8DPSK_3-DH5_Channel 78



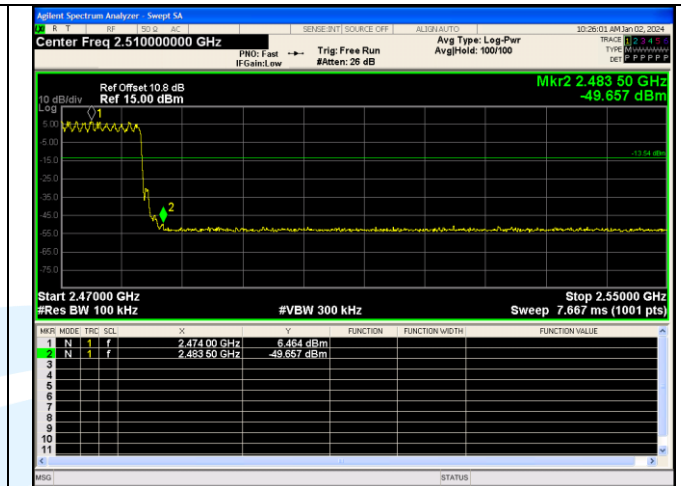
Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



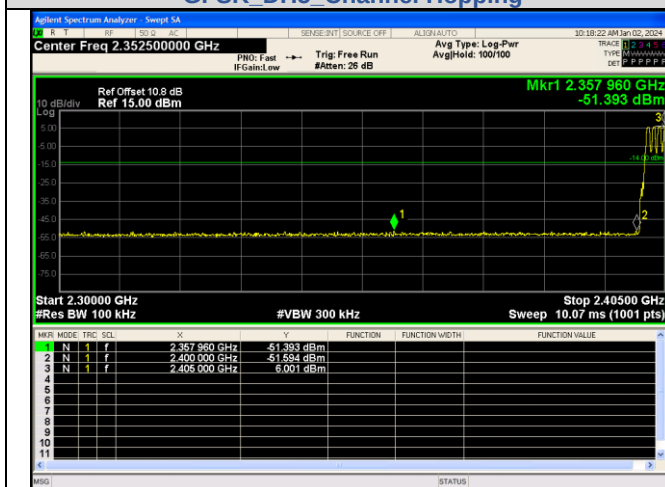
Out Of Band Emission(Left)
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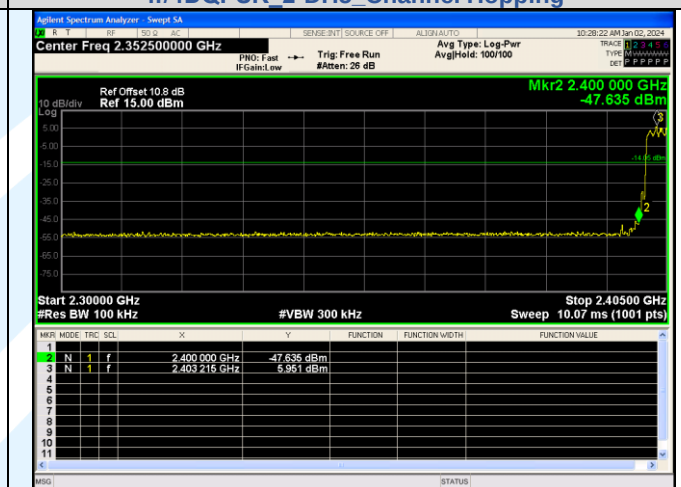
Out Of Band Emission(Right)
GFSK DH5 Channel Hopping



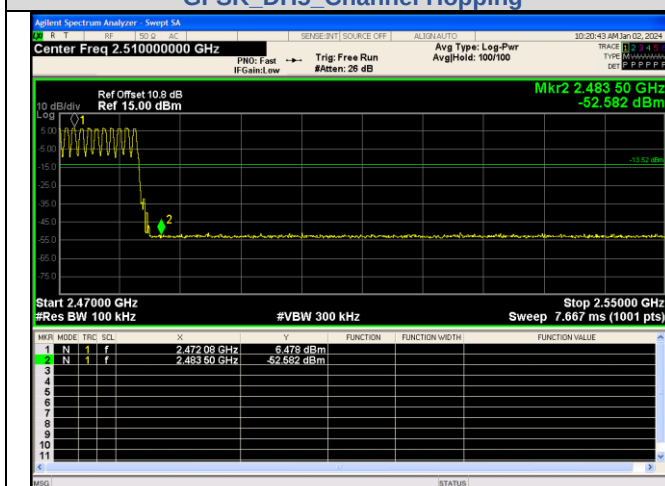
Out Of Band Emission(Right)
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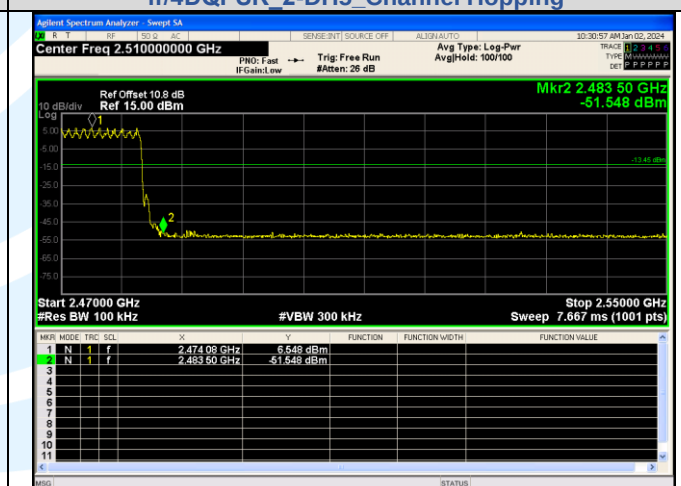
Out Of Band Emission(Left)
GFSK DH5 Channel Hopping



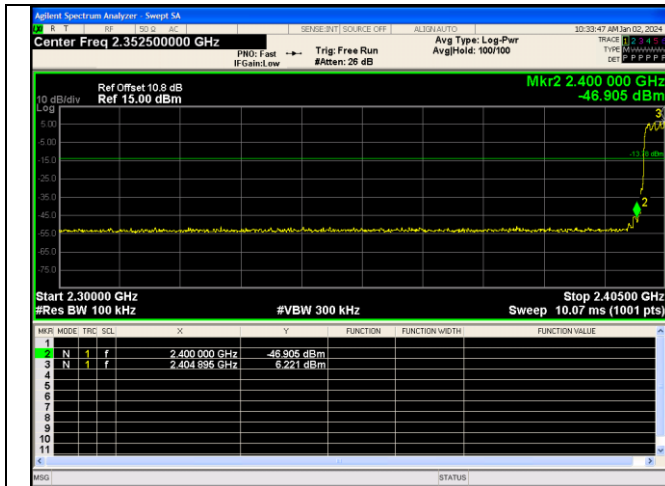
Out Of Band Emission(Left)
 $\pi/4$ DQPSK 2-DH5 Channel Hopping



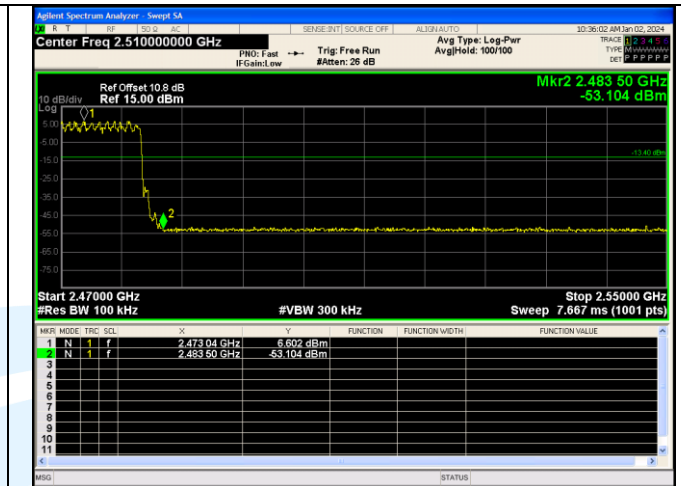
Out Of Band Emission(Right)
GFSK DH5 Channel Hopping



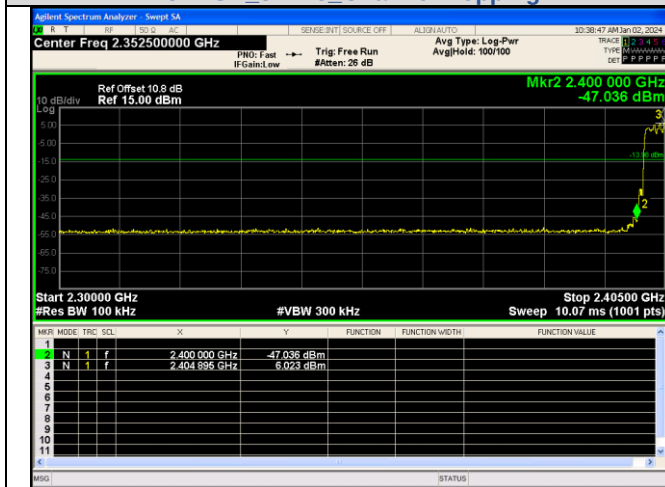
Out Of Band Emission(Right)
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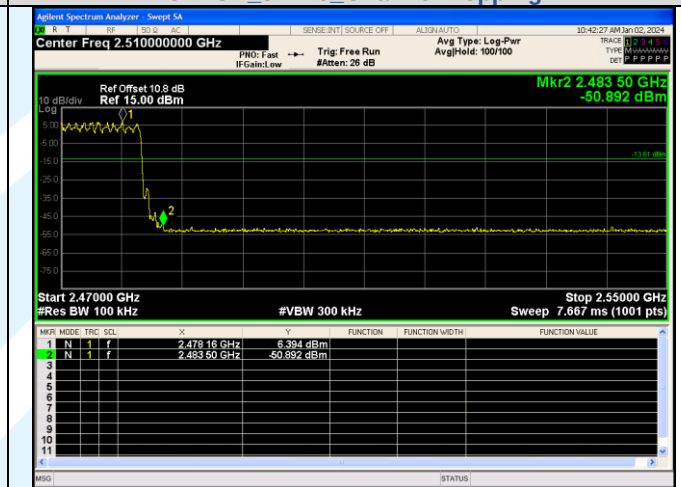
Out Of Band Emission(Left)
8DPSK_3-DH5_Channel Hopping



Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping



Out Of Band Emission(Left)
8DPSK_3-DH5_Channel Hopping

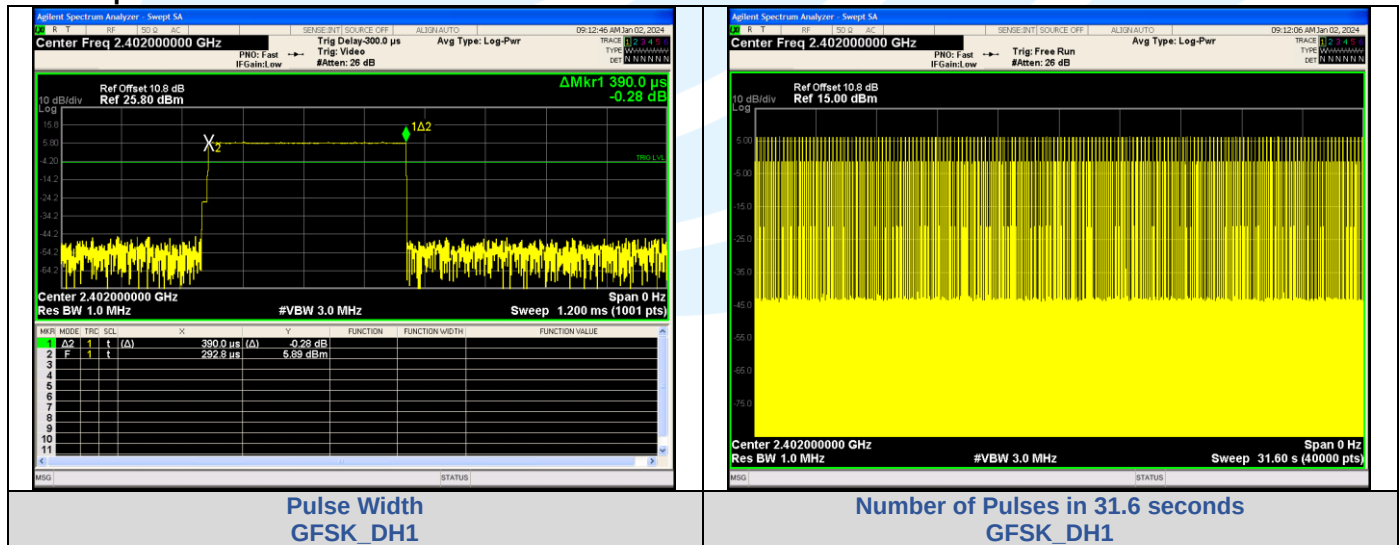


Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

A.5 DWELL TIME

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH1	CH0 (2402MHz)	0.3900	318	124.02	< 400	PASS
	DH1	CH78 (2480MHz)	0.3912	317	124.01		PASS
	DH3	CH0 (2402MHz)	1.656	160	264.96		PASS
	DH3	CH78 (2480MHz)	1.656	157	259.99		PASS
	DH5	CH0 (2402MHz)	2.896	97	280.91		PASS
	DH5	CH78 (2480MHz)	2.888	107	309.02		PASS
$\pi/4$ DQPSK	2-DH1	CH0 (2402MHz)	0.3828	312	119.43		PASS
	2-DH1	CH78 (2480MHz)	0.3840	317	121.73		PASS
	2-DH3	CH0 (2402MHz)	1.632	152	248.06		PASS
	2-DH3	CH78 (2480MHz)	1.632	151	246.43		PASS
	2-DH5	CH0 (2402MHz)	2.880	109	313.92		PASS
	2-DH5	CH78 (2480MHz)	2.880	118	339.84		PASS
8DPSK	3-DH1	CH0 (2402MHz)	0.3804	317	120.59		PASS
	3-DH1	CH78 (2480MHz)	0.3816	311	118.68		PASS
	3-DH3	CH0 (2402MHz)	1.632	158	257.86		PASS
	3-DH3	CH78 (2480MHz)	1.632	164	267.65		PASS
	3-DH5	CH0 (2402MHz)	2.880	94	270.72		PASS
	3-DH5	CH78 (2480MHz)	2.880	113	325.44		PASS

Test Graphs



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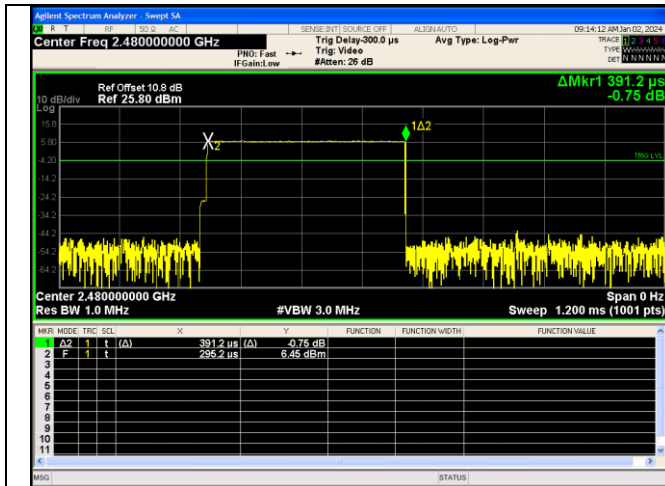
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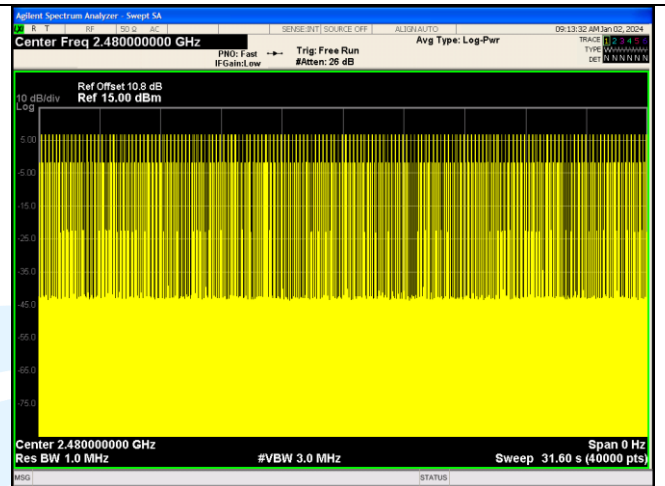
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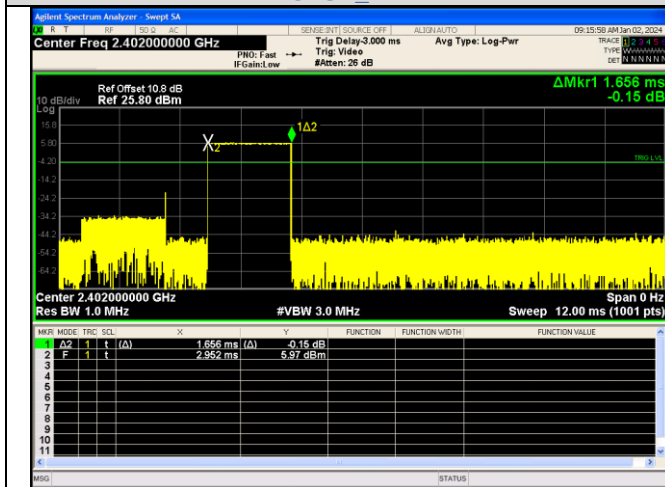
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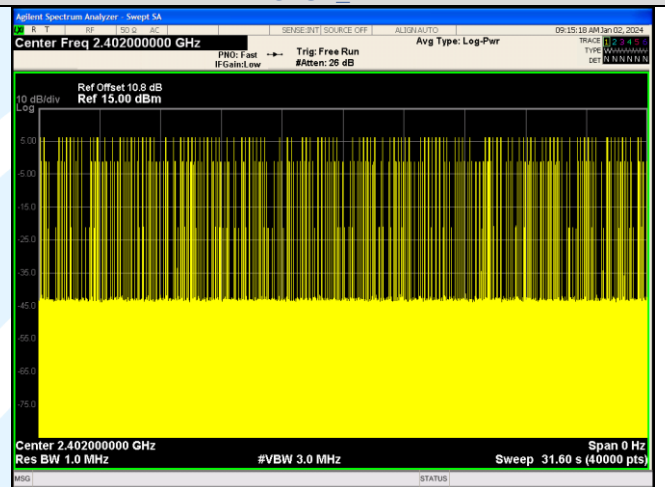
Pulse Width
GFSK_DH1



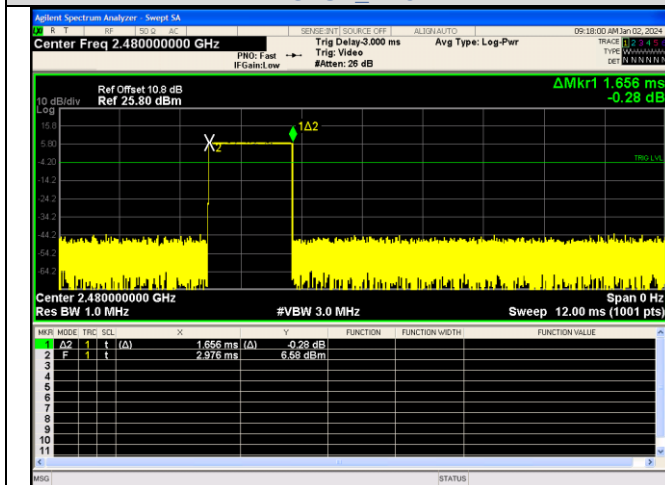
Number of Pulses in 31.6 seconds
GFSK_DH1



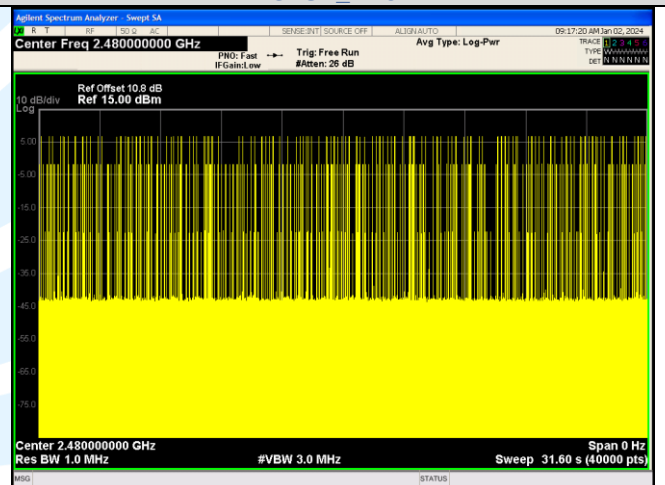
Pulse Width
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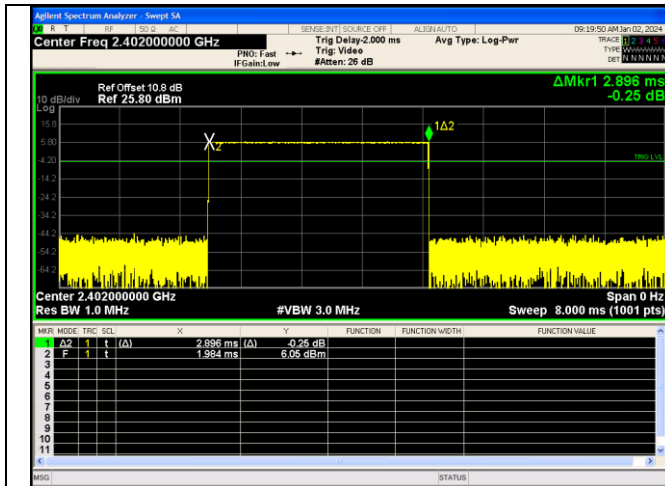
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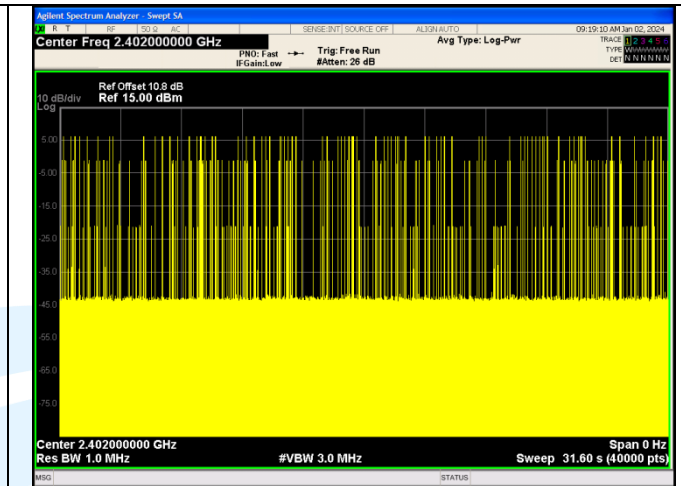
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GFSK_DH3



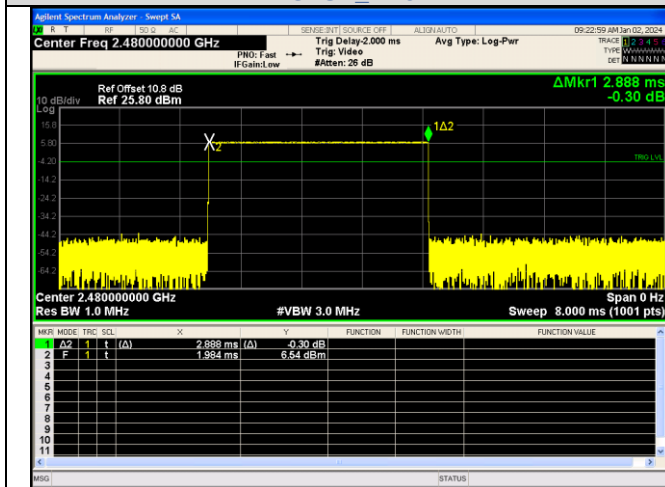
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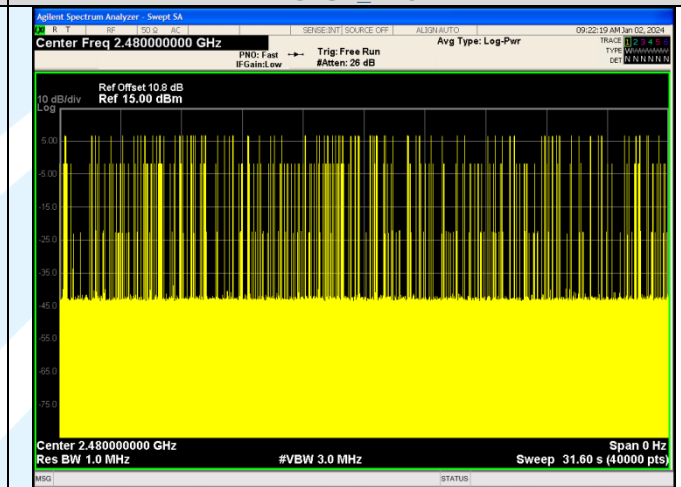
Pulse Width
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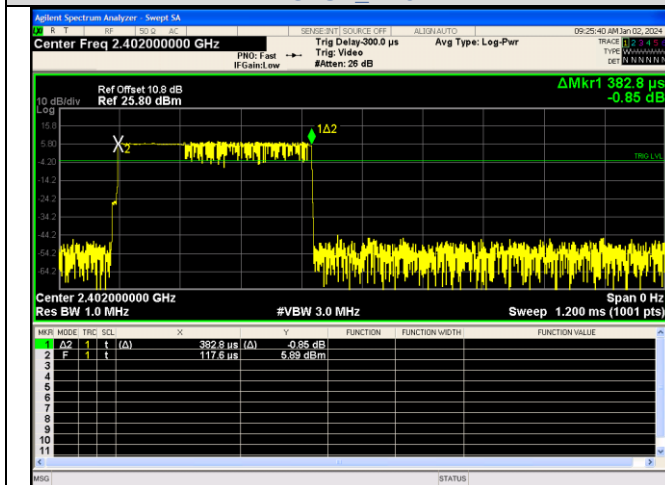
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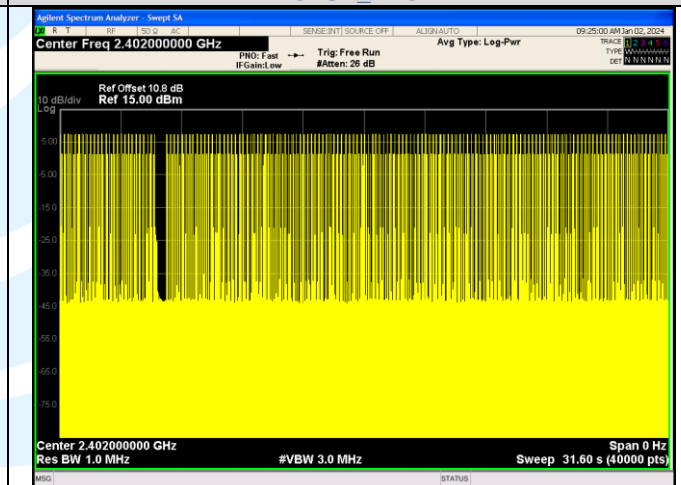
Pulse Width
GFSK_DH5



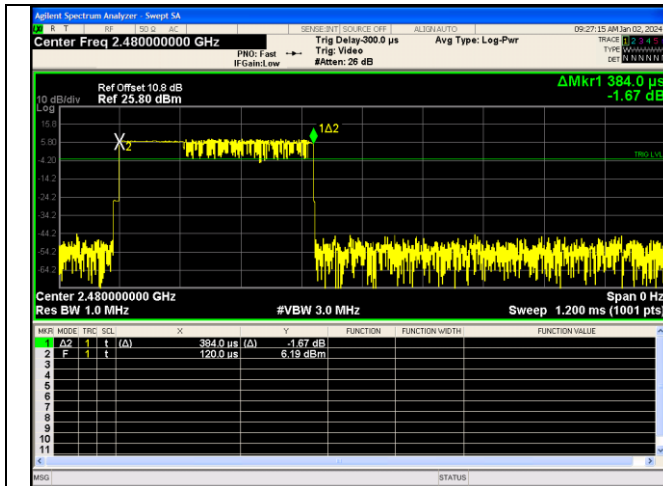
Number of Pulses in 31.6 seconds
GFSK_DH5



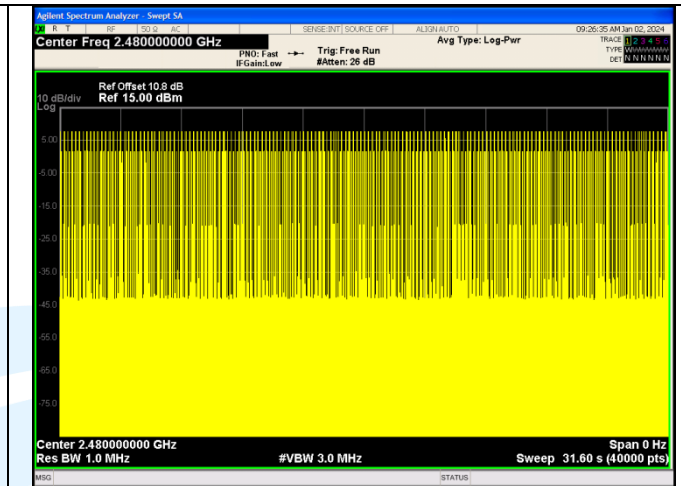
Pulse Width
 $\pi/4$ DQPSK_2-DH1



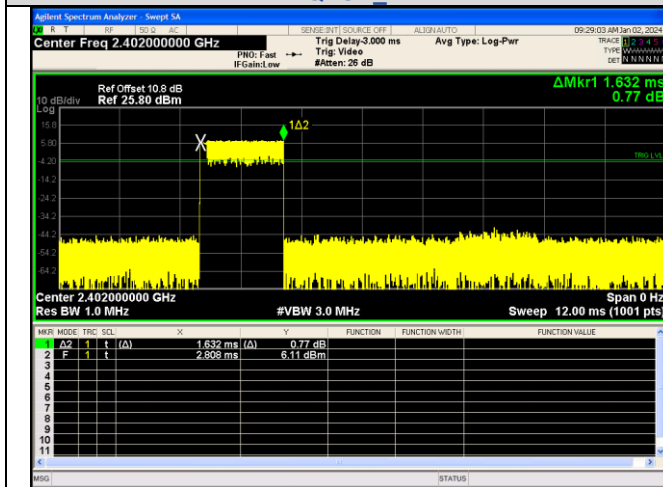
Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH1



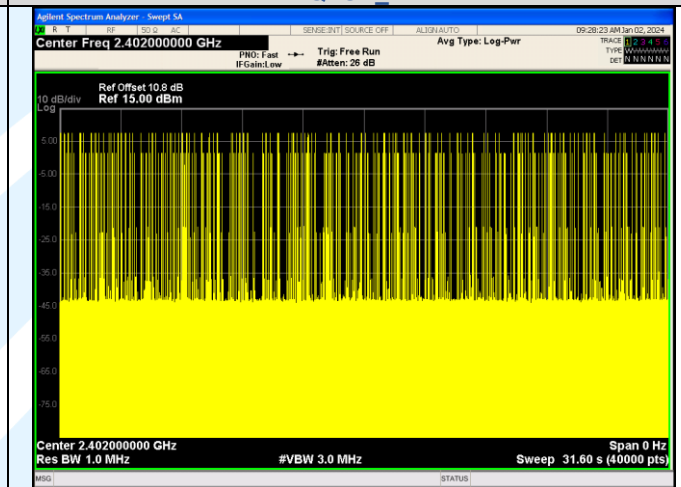
Pulse Width
 $\pi/4$ DQPSK_2-DH1



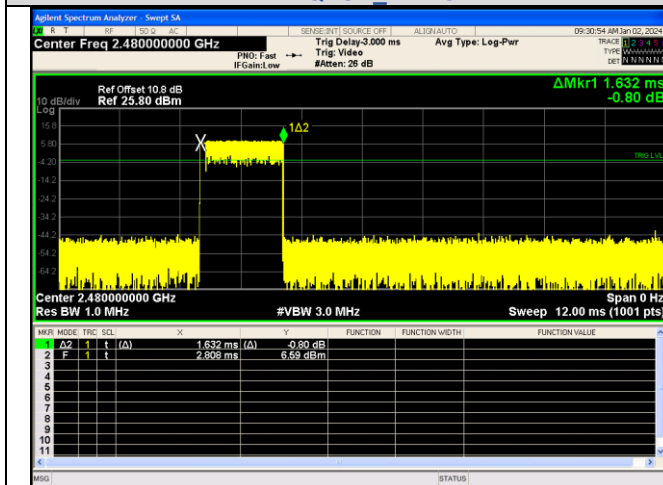
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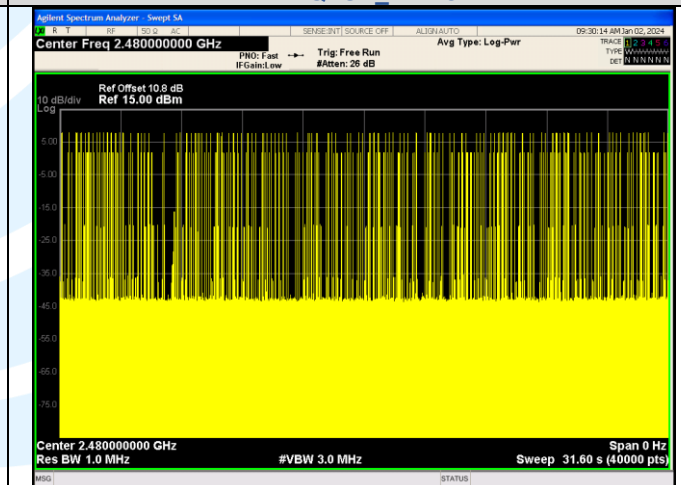
Pulse Width
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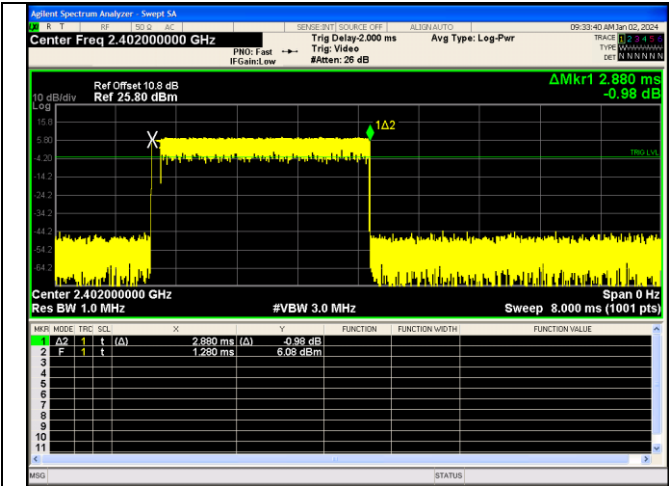
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 $\pi/4$ DQPSK_2-DH3



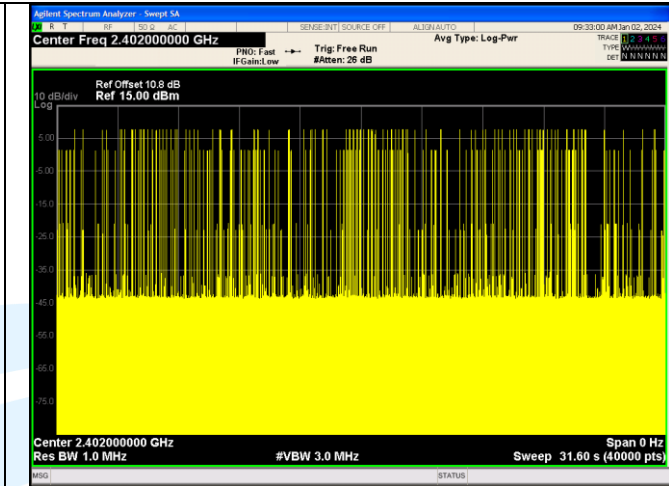
Pulse Width
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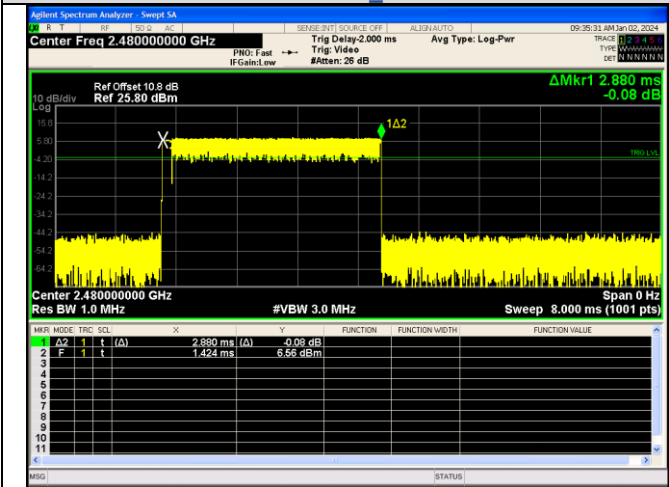
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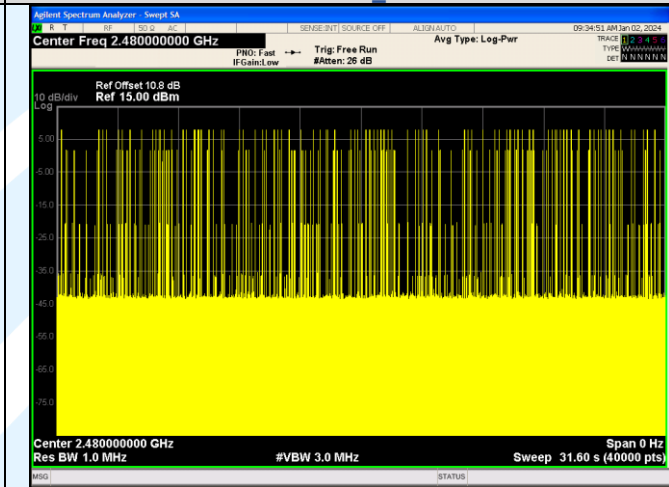
Pulse Width
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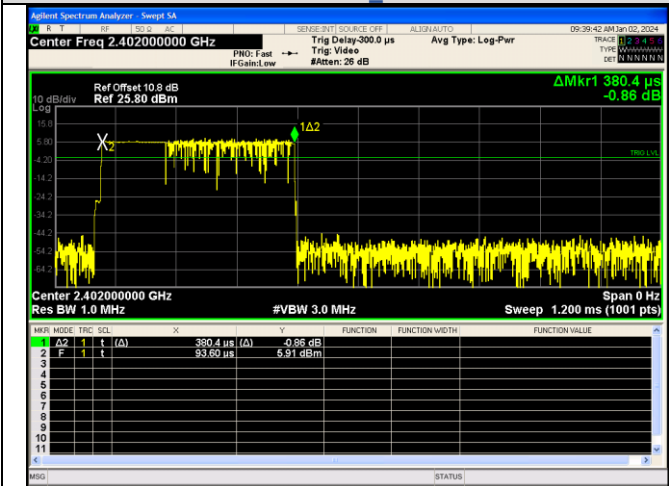
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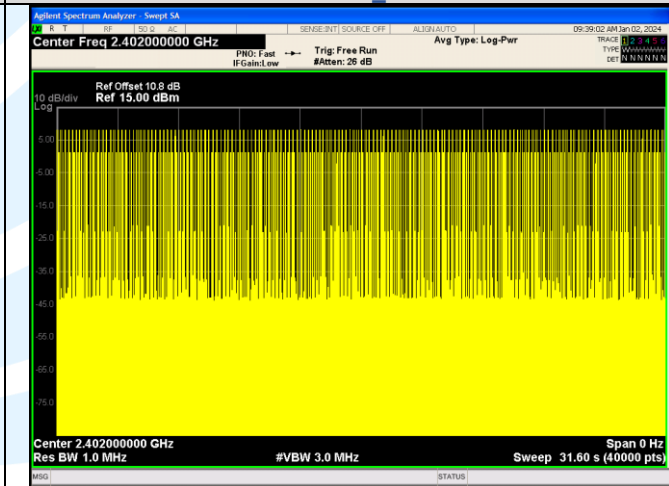
Pulse Width
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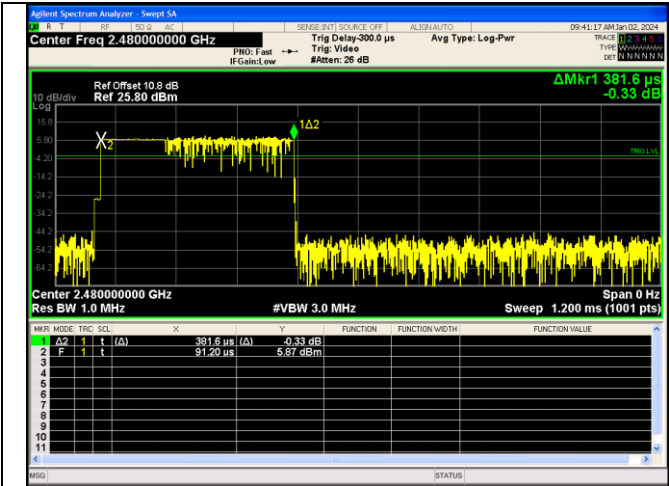
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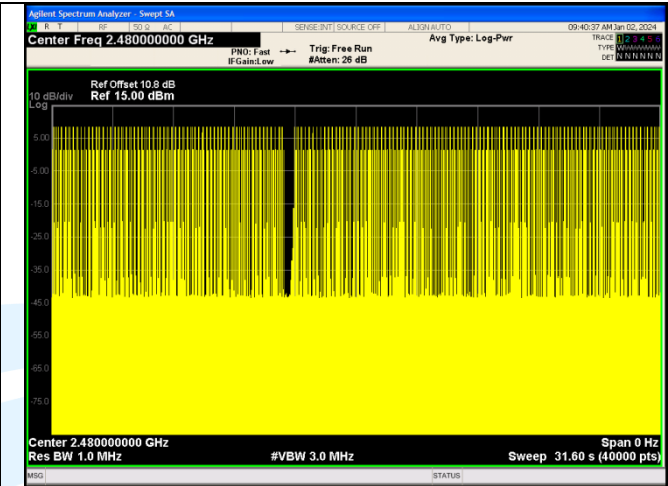
Pulse Width
8DPSK_3-DH1



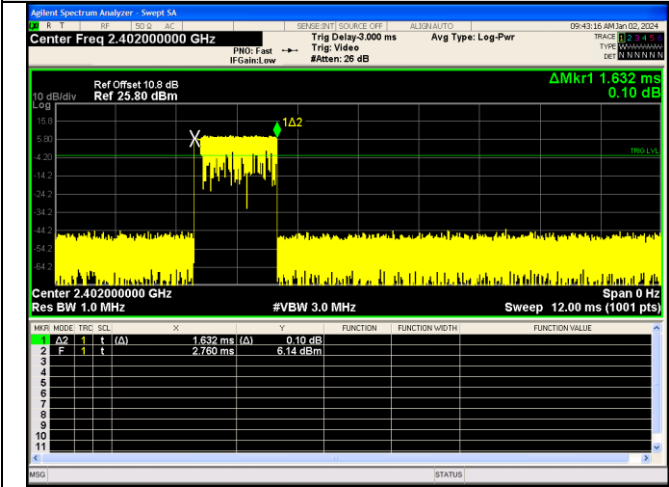
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8DPSK_3-DH1



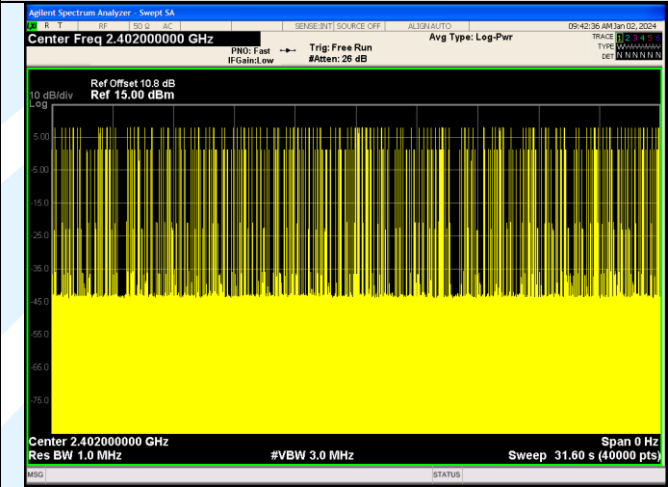
Pulse Width
8DPSK_3-DH1



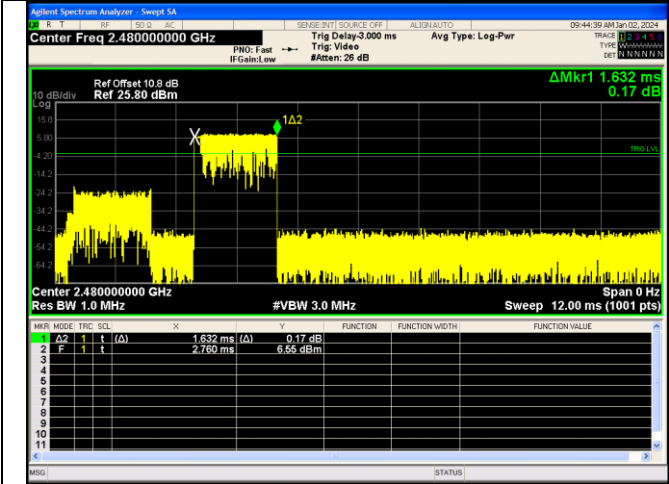
Number of Pulses in 31.6 seconds
8DPSK_3-DH1



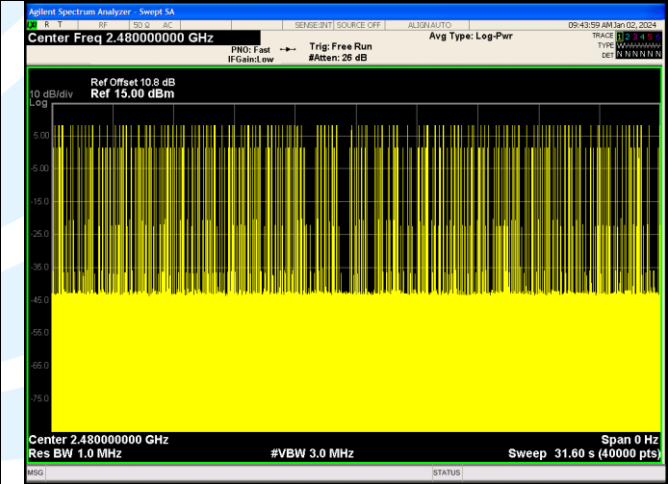
Pulse Width
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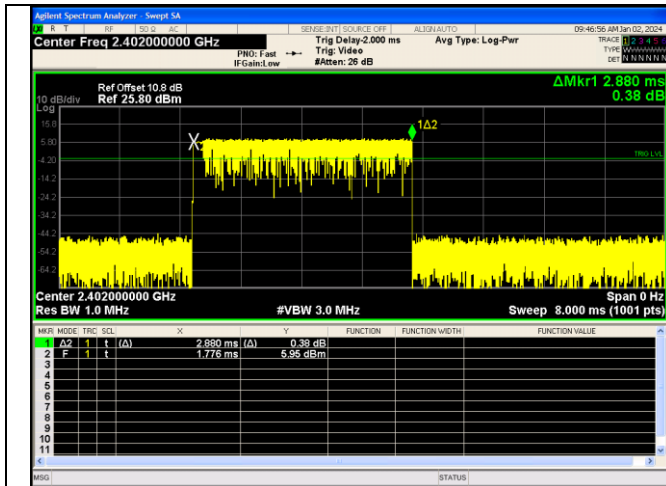
Number of Pulses in 31.6 seconds
8DPSK_3-DH3



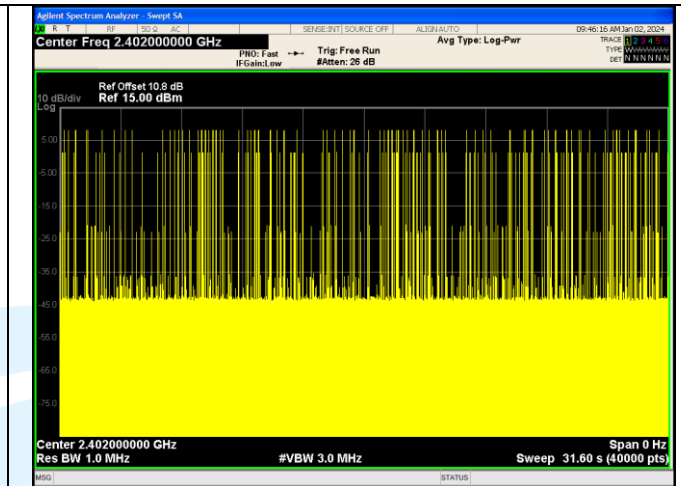
Pulse Width
8DPSK_3-DH3



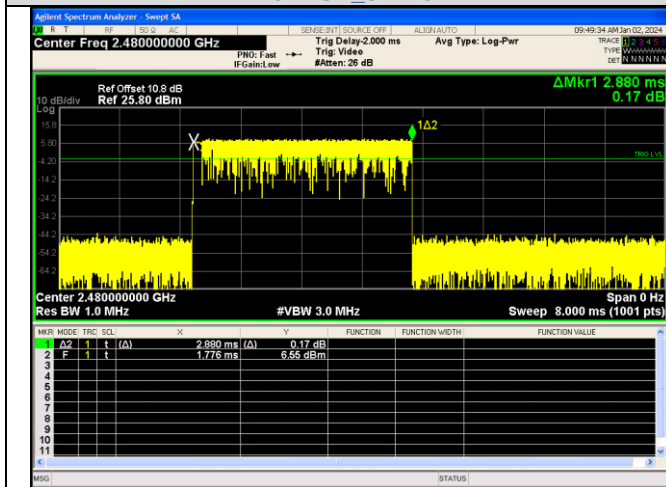
Number of Pulses in 31.6 seconds
8DPSK_3-DH3



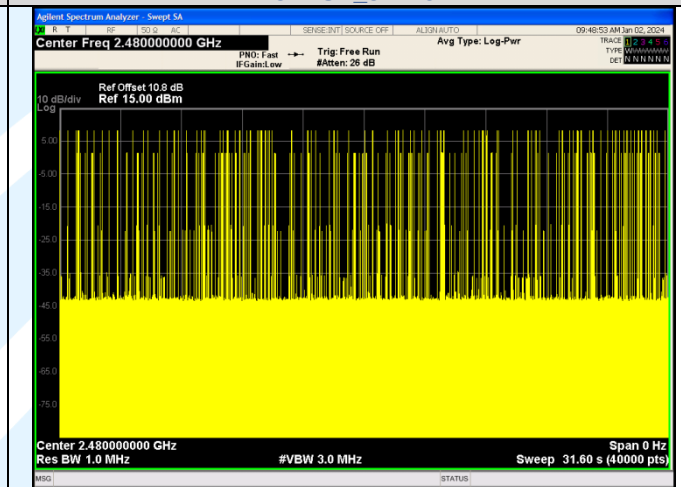
Pulse Width
8DPSK_3-DH5



Number of Pulses in 31.6 seconds
8DPSK_3-DH5



Pulse Width
8DPSK_3-DH5

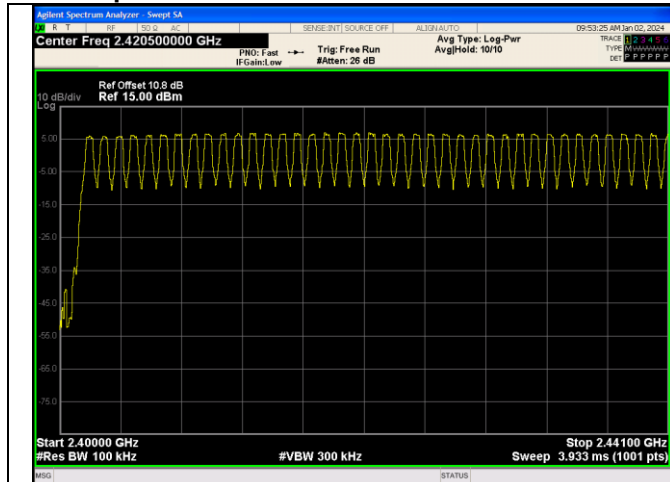


Number of Pulses in 31.6 seconds
8DPSK_3-DH5

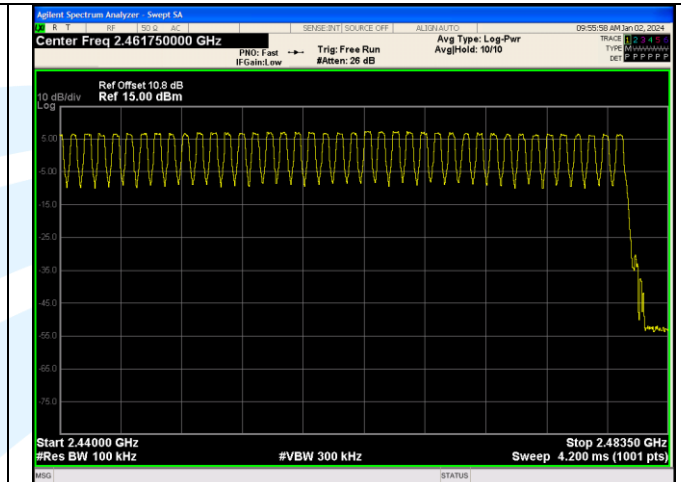
A.6 NUMBER OF HOPPING CHANNEL

Modulation	Packet	Number of Hopping Channel	Limit	Result
GFSK	DH5	79	15	PASS
$\pi/4$ DQPSK	2-DH5	79	15	PASS
8DPSK	3-DH5	79	15	PASS

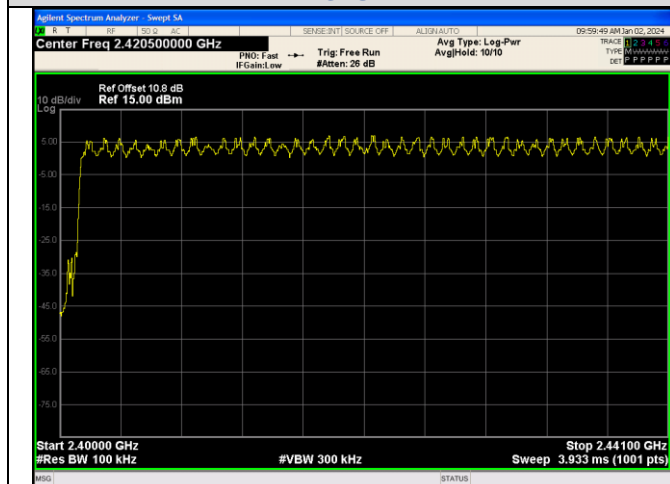
Test Graphs



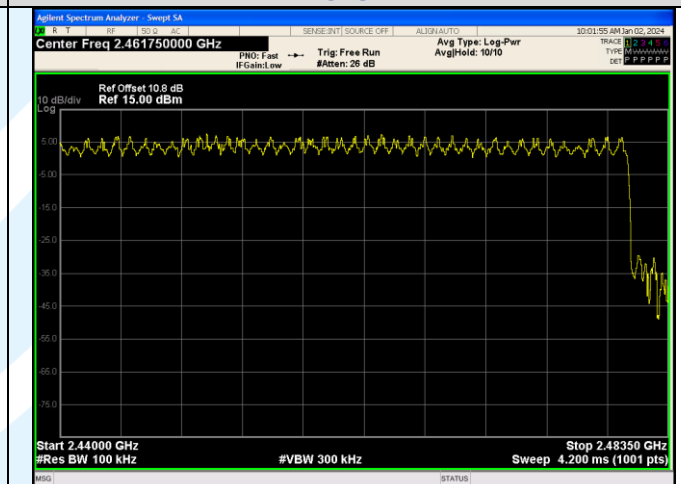
Low End Spectrum Channel Hopping Plot
GFSK



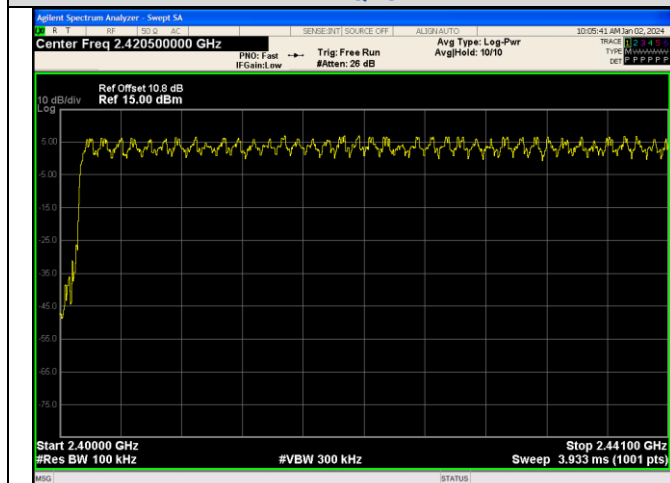
High End Spectrum Channel Hopping Plot
GFSK



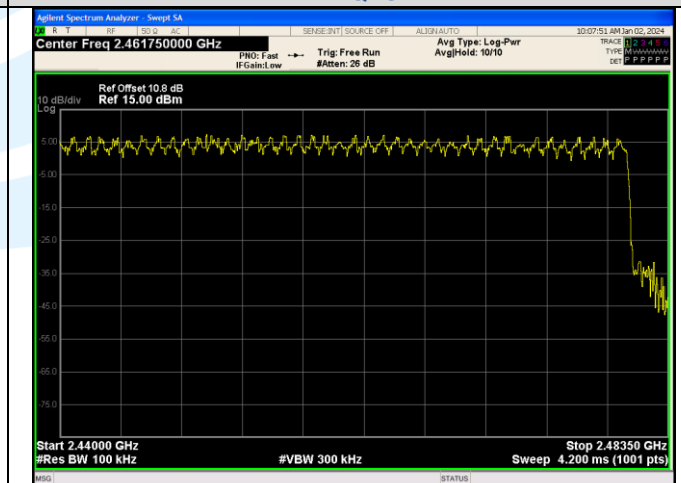
Low End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



High End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



Low End Spectrum Channel Hopping Plot
8DPSK



High End Spectrum Channel Hopping Plot
8DPSK

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APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

*** End of Report ***

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