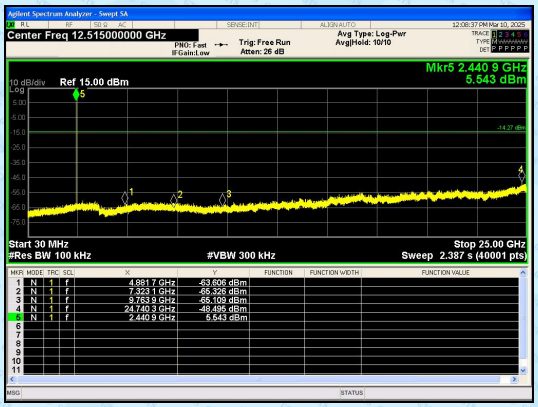
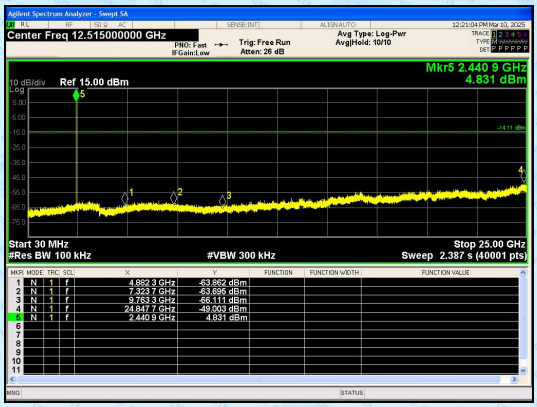


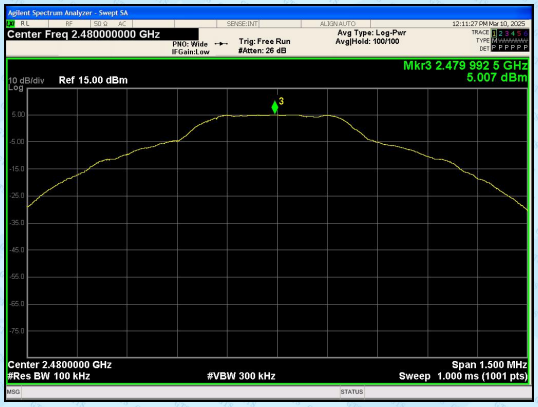
30.0 MHz - 25000.0 MHz

GFSK_DH5_Channel 39



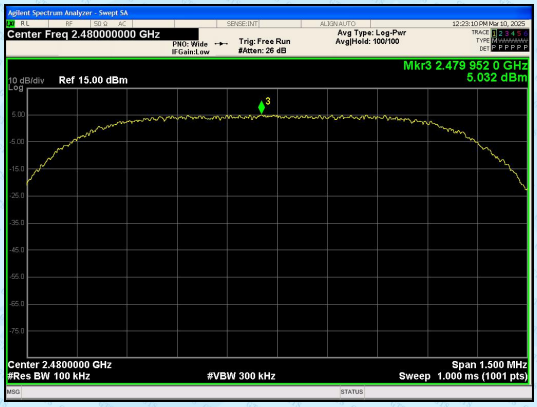
30.0 MHz - 25000.0 MHz

π/4DQPSK_2-DH5_Channel 39



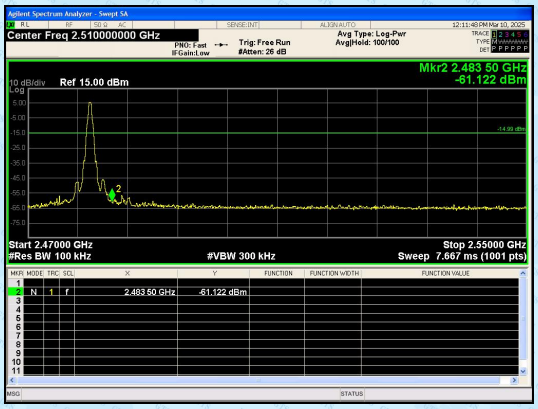
In-Band Reference Level

GFSK_DH5_Channel 78



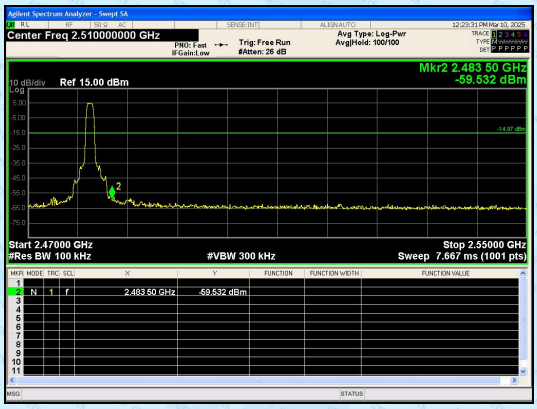
In-Band Reference Level

π/4DQPSK_2-DH5_Channel 78



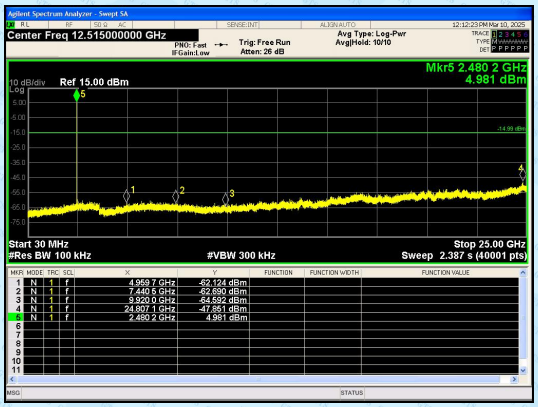
Out Of Band Emission

GFSK_DH5_Channel 78



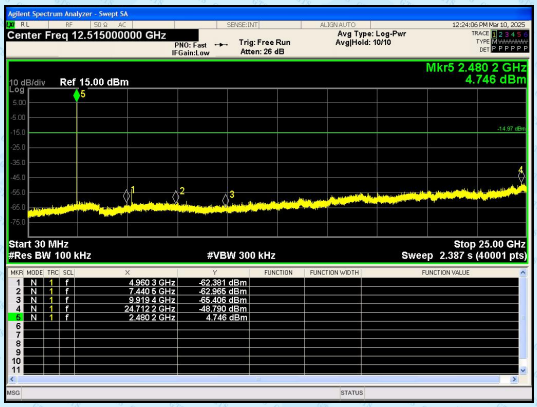
Out Of Band Emission

π/4DQPSK_2-DH5_Channel 78



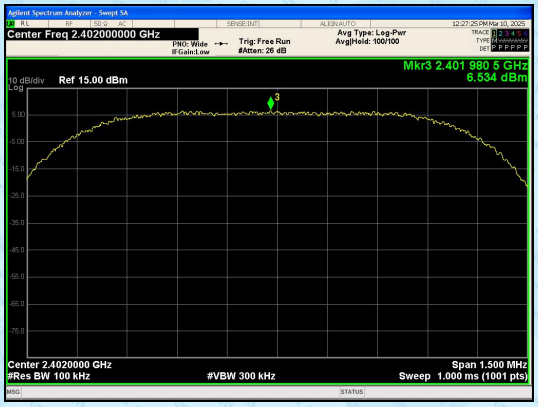
30.0 MHz - 25000.0 MHz

GFSK_DH5_Channel 78



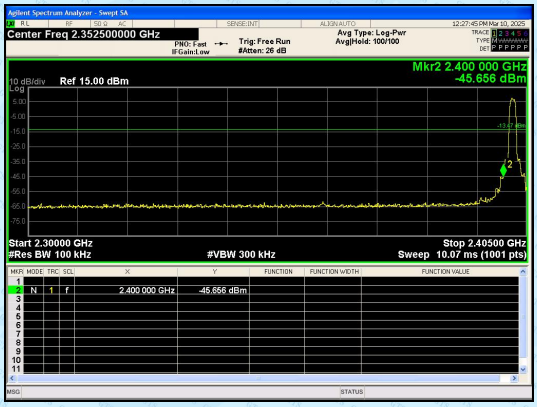
30.0 MHz - 25000.0 MHz

π/4DQPSK_2-DH5_Channel 78



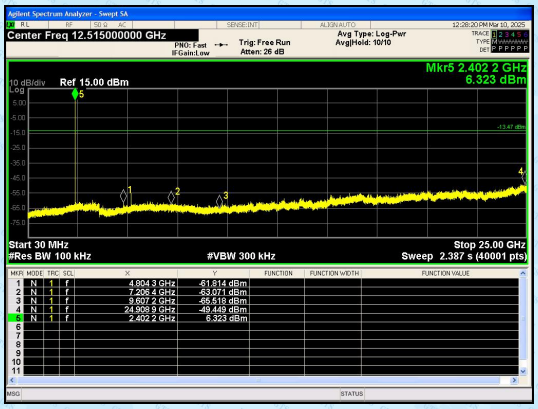
In-Band Reference Level

8DPSK_3-DH5_Channel 0



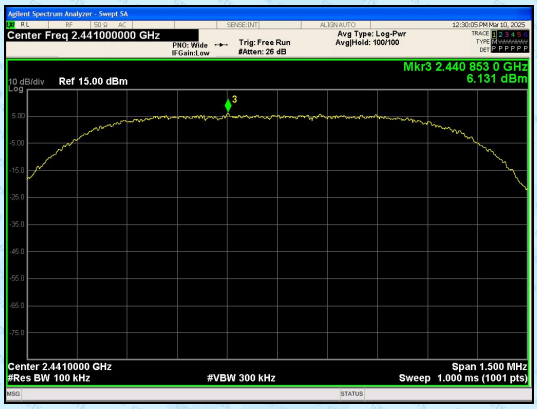
Out Of Band Emission

8DPSK_3-DH5_Channel 0



30.0 MHz - 25000.0 MHz

8DPSK_3-DH5_Channel 0

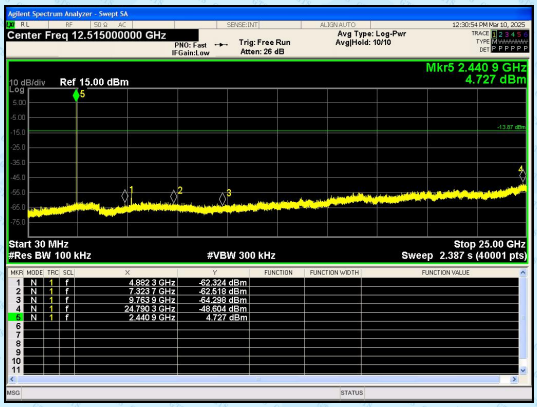


In-Band Reference Level

8DPSK_3-DH5_Channel 39

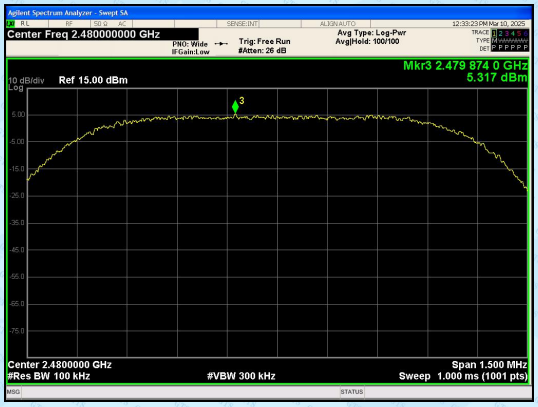
Out Of Band Emission

8DPSK_3-DH5_Channel 39



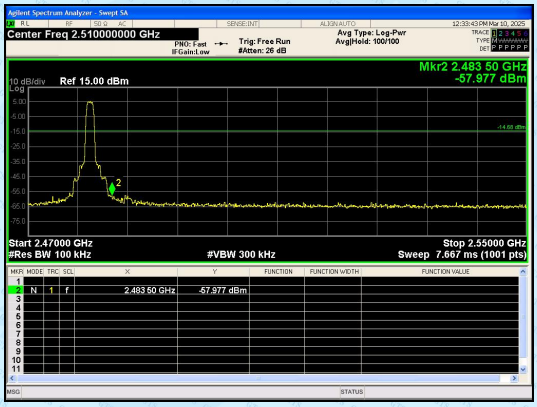
30.0 MHz - 25000.0 MHz

8DPSK_3-DH5_Channel 39



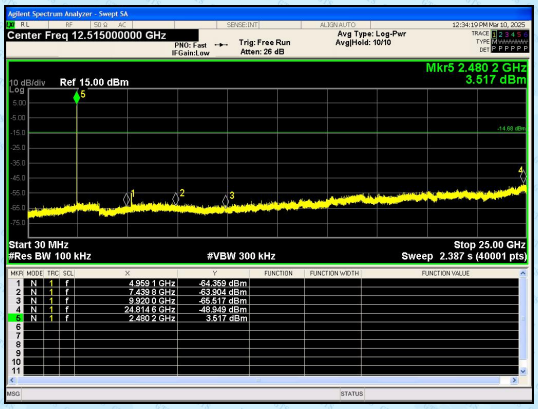
In-Band Reference Level

8DPSK_3-DH5_Channel 78



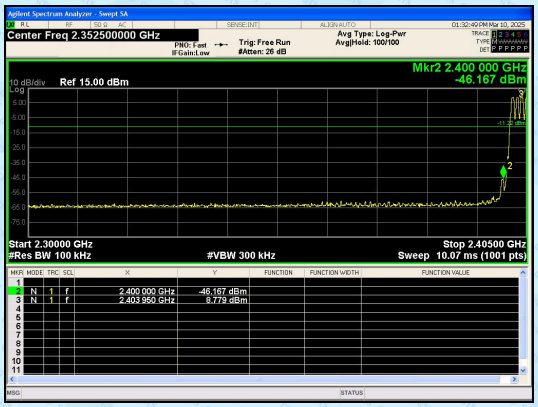
Out Of Band Emission

8DPSK_3-DH5_Channel 78



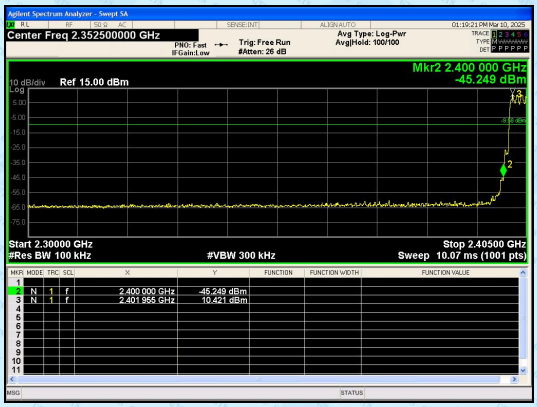
30.0 MHz - 25000.0 MHz

8DPSK_3-DH5_Channel 78



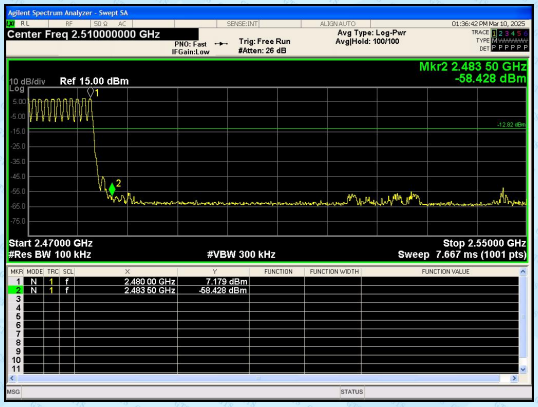
Out Of Band Emission(Left)

GFSK_DH5_Channel Hopping



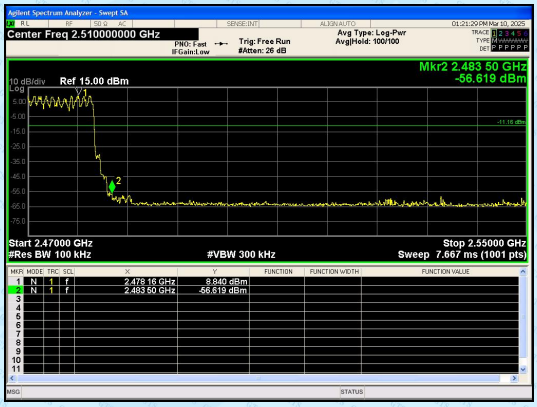
Out Of Band Emission(Left)

π/4DQPSK_2-DH5_Channel Hopping



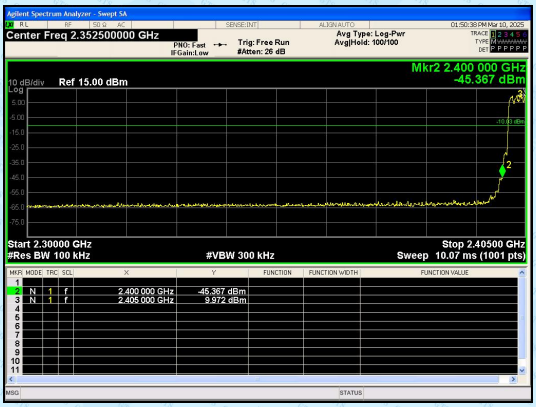
Out Of Band Emission(Right)

GFSK_DH5_Channel Hopping



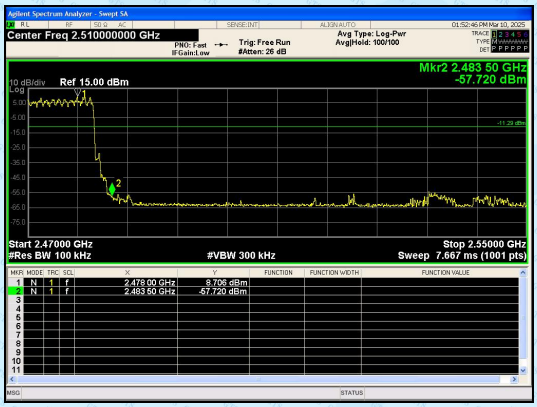
Out Of Band Emission(Right)

π/4DQPSK_2-DH5_Channel Hopping



Out Of Band Emission(Left)

8DPSK_3-DH5_Channel Hopping



Out Of Band Emission(Right)

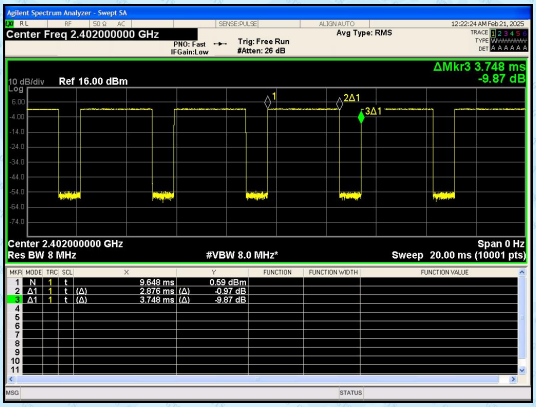
8DPSK_3-DH5_Channel Hopping

Duty Cycle

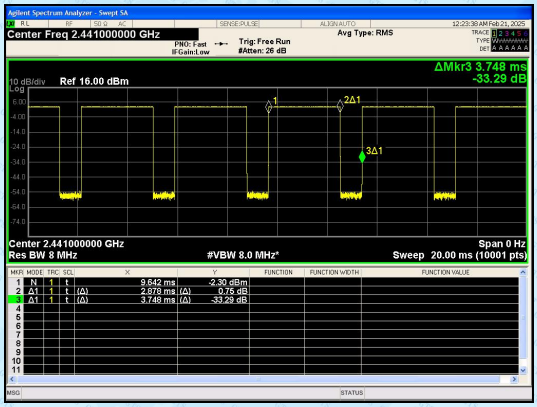
Test Result

Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.876	3.748	76.73	0.7673	1.1503
		39	2.878	3.748	76.79	0.7679	1.147
		78	2.878	3.748	76.79	0.7679	1.147
π/4DQPSK	2-DH5	0	2.880	3.748	76.84	0.7684	1.1441
		39	2.882	3.748	76.89	0.7689	1.1413
		78	2.882	3.748	76.89	0.7689	1.1413
8DPSK	3-DH5	0	2.884	3.748	76.95	0.7695	1.1379
		39	2.884	3.748	76.95	0.7695	1.1379
		78	2.882	3.748	76.89	0.7689	1.1413

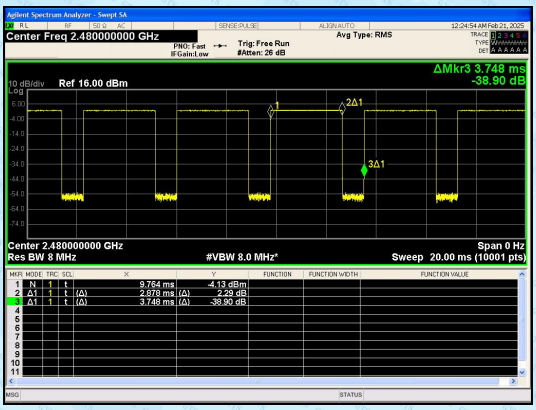
Test Graphs



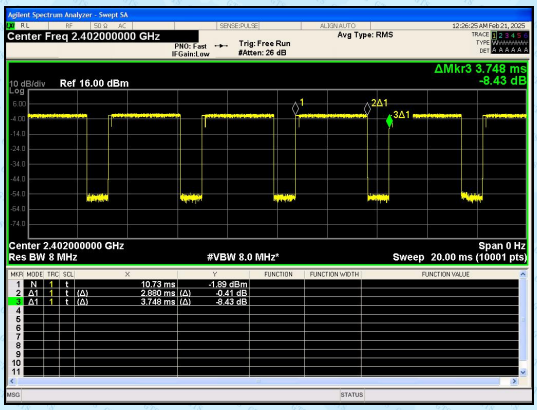
GFSK(DH5)_Channel 0



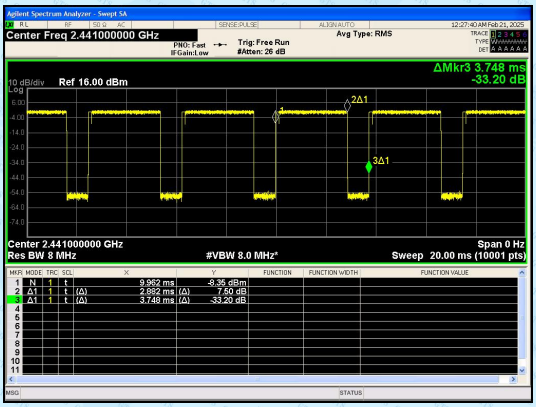
GFSK(DH5)_Channel 39



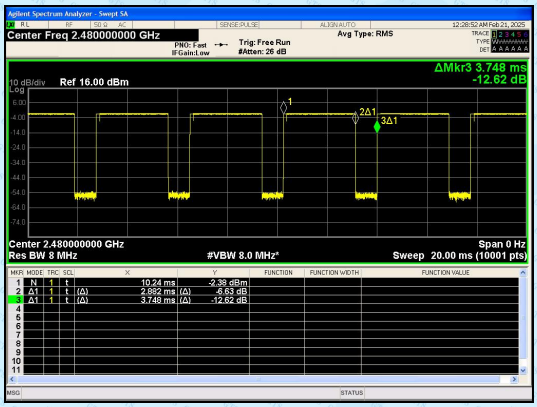
GFSK(DH5)_Channel 78



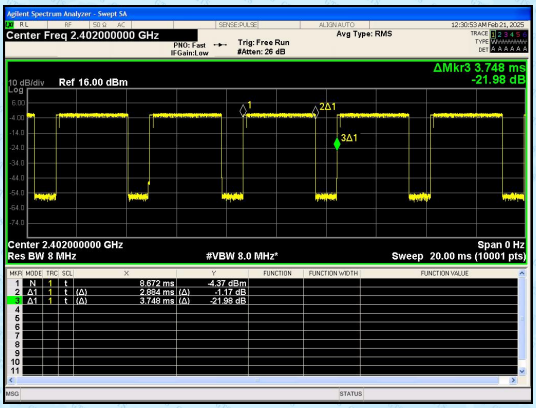
π/4DQPSK(2-DH5)_Channel 0



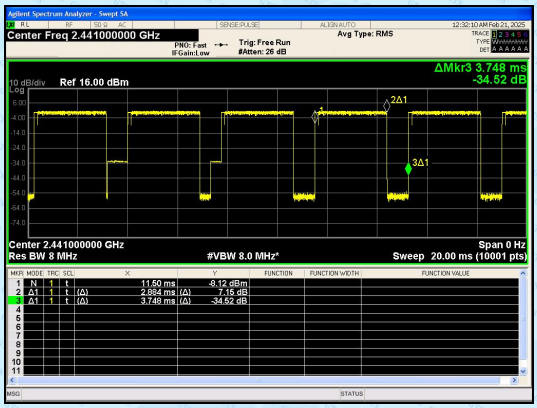
π/4DQPSK(2-DH5)_Channel 39



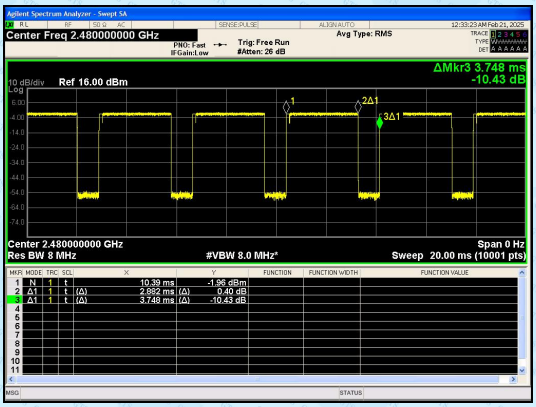
π/4DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



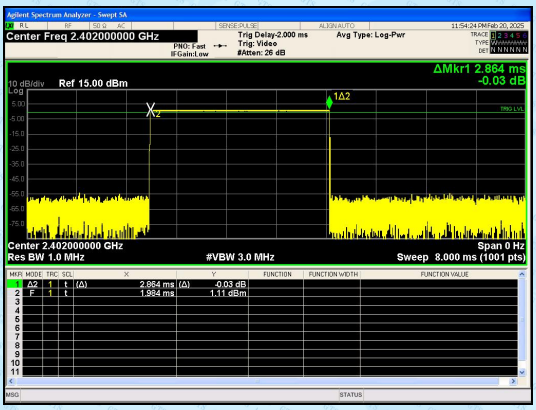
8DPSK(3-DH5)_Channel 78

Dwell Time

Test Result

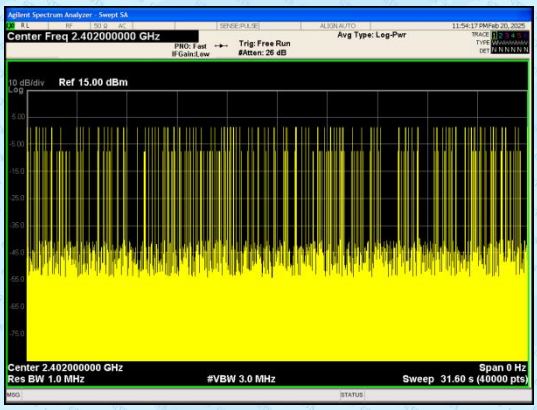
Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	CH0 (2402MHz)	2.864	118	337.95	< 400	PASS
π/4DQPSK	2-DH5		2.880	104	299.52		PASS
8DPSK	3-DH5		2.880	119	342.72		PASS

Test Graphs



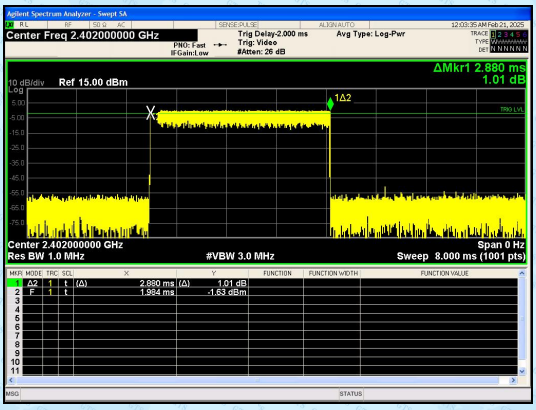
Pulse Width

GFSK_DH5



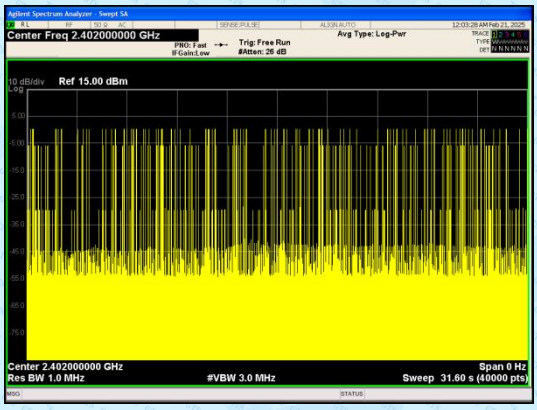
Number of Pulses in 31.6 seconds

GFSK_DH5



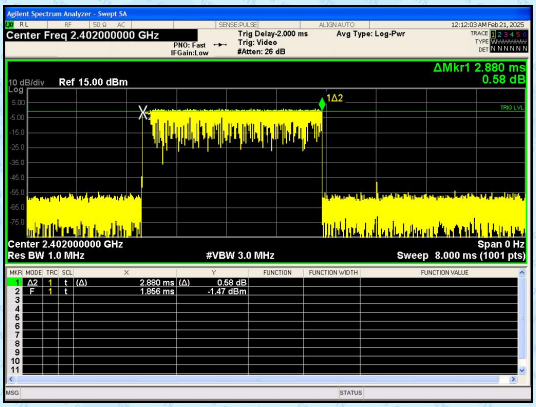
Pulse Width

π/4DQPSK_2-DH5



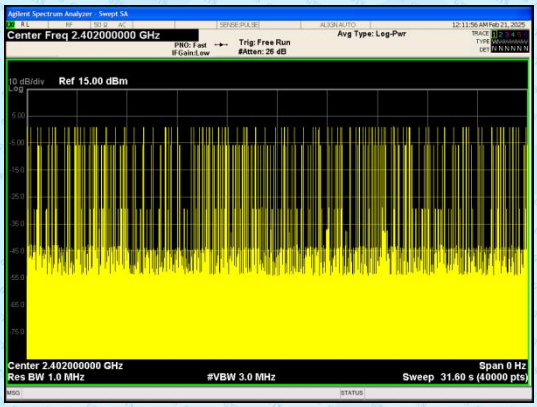
Number of Pulses in 31.6 seconds

π/4DQPSK_2-DH5



Pulse Width

8DPSK_3-DH5



Number of Pulses in 31.6 seconds

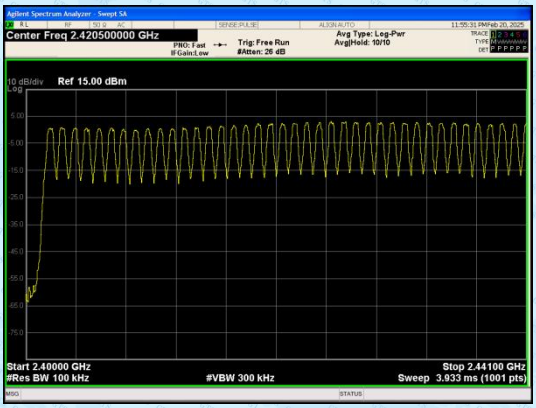
8DPSK_3-DH5

Number Of Hopping Channel

Test Result

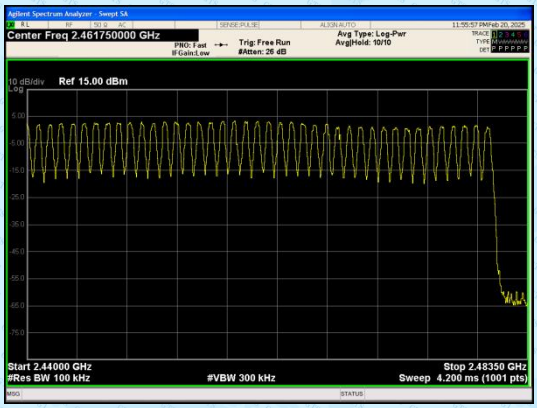
Modulation	Packet	Number of Hopping Channel	Limit	Result
GFSK	DH5	79	15	PASS
π/4DQPSK	2-DH5	79	15	PASS
8DPSK	3-DH5	79	15	PASS

Test Graphs



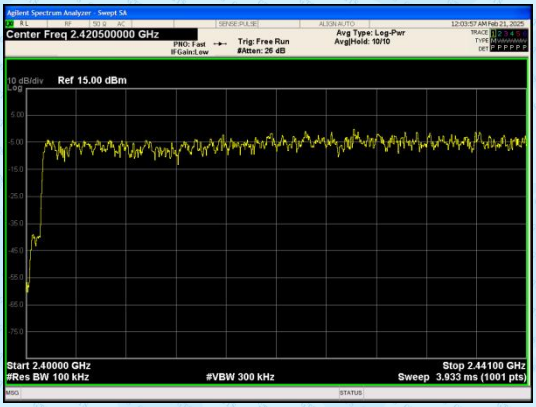
Low End Spectrum Channel Hopping Plot

GFSK



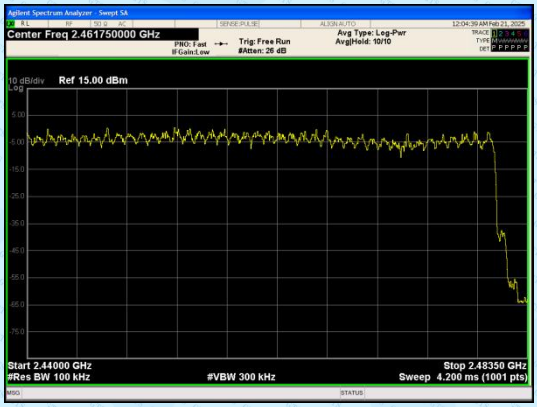
High End Spectrum Channel Hopping Plot

GFSK



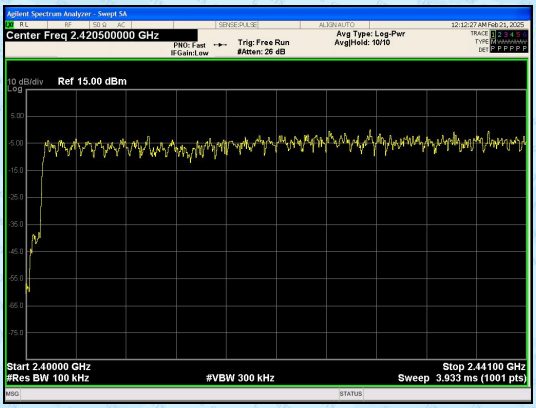
Low End Spectrum Channel Hopping Plot

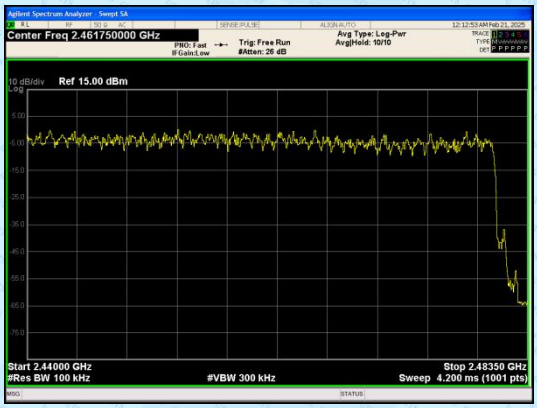
π/4DQPSK



High End Spectrum Channel Hopping Plot

π/4DQPSK





Low End Spectrum Channel Hopping Plot 8DPSK	High End Spectrum Channel Hopping Plot 8DPSK

AC Power-Line Conducted Emission

Note:

1.All modes have been tested, only worst case(DH5_2441MHz)mode was recorded in the test report.

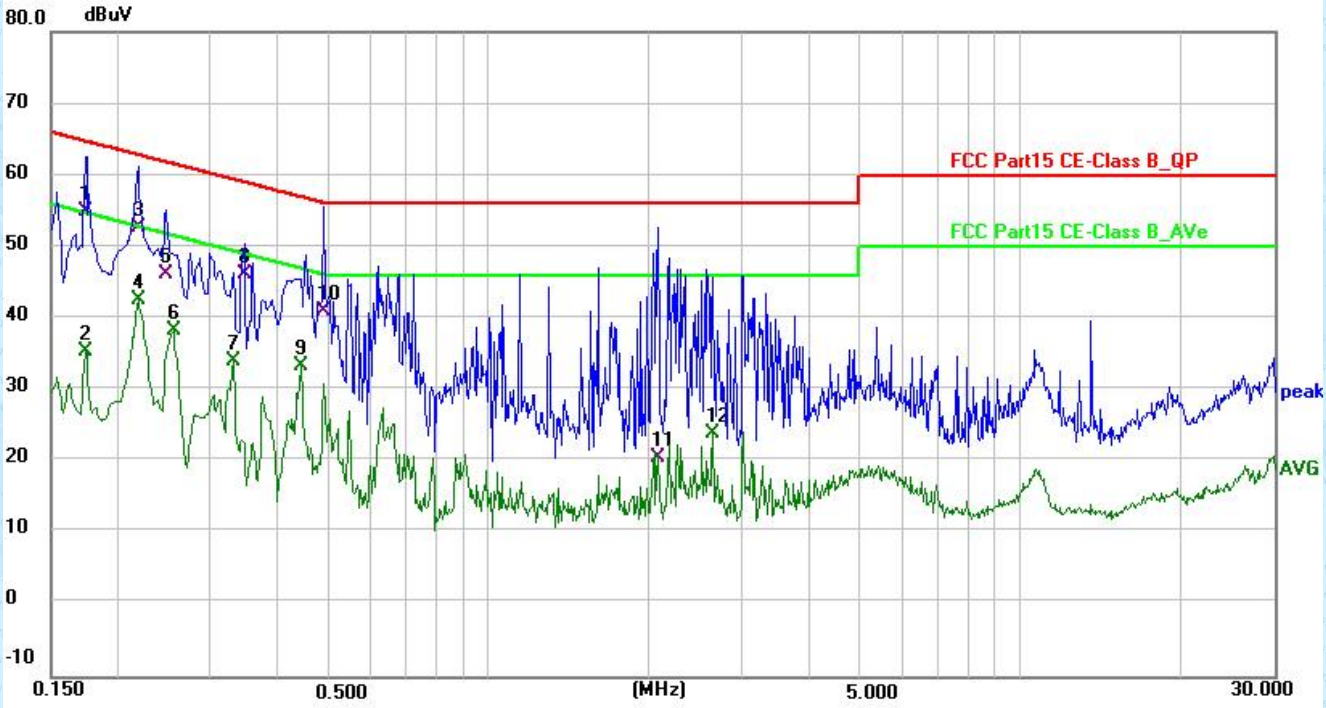
2.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).

3. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. The emission levels of other frequencies were less than 20dB margin against the limit.

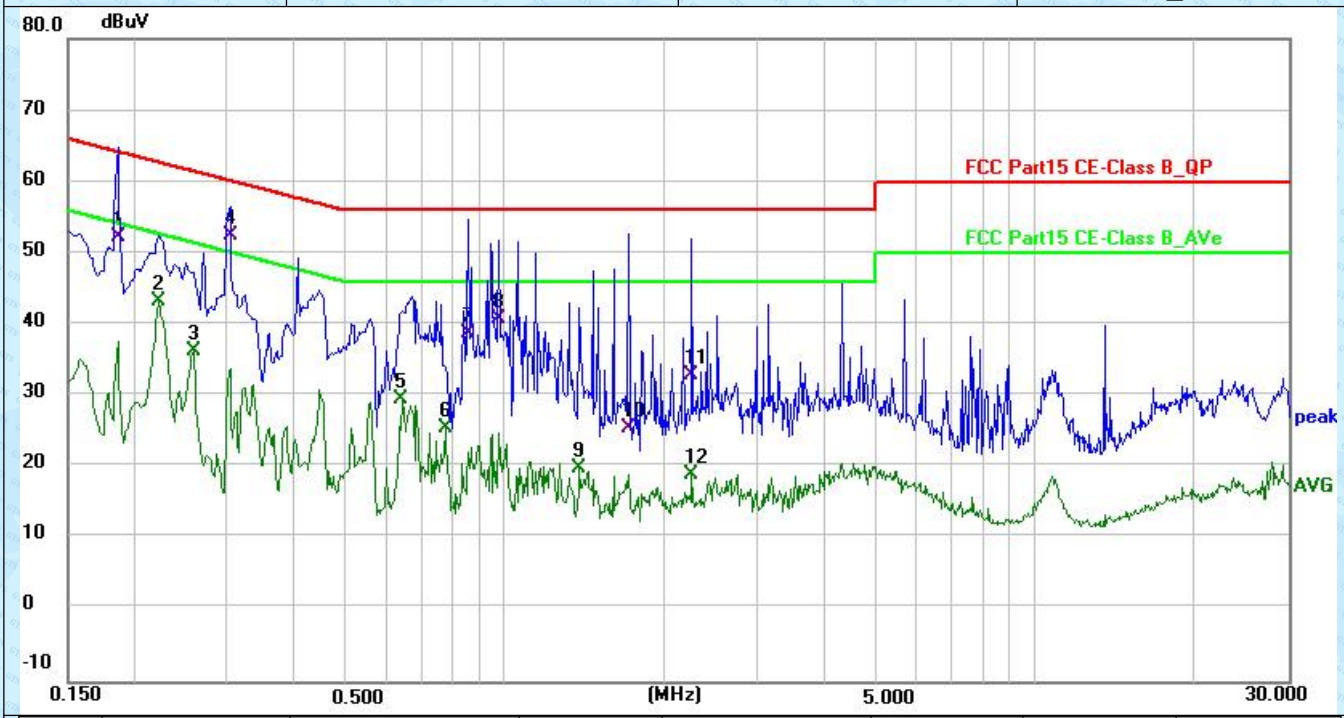
5. Margin value = Emission level-Limit value.

Polarization	N	Mode	TX DH5_2441MHz



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	35.51	19.43	54.94	64.77	-9.83	QP
2	0.1740	16.08	19.43	35.51	54.77	-19.26	AVG
3	0.2180	33.25	19.43	52.68	62.89	-10.21	QP
4	0.2180	23.10	19.43	42.53	52.89	-10.36	AVG
5	0.2460	26.68	19.43	46.11	61.89	-15.78	QP
6	0.2540	18.91	19.44	38.35	51.63	-13.28	AVG
7	0.3300	14.66	19.45	34.11	49.45	-15.34	AVG
8	0.3460	26.65	19.46	46.11	59.06	-12.95	QP
9	0.4420	14.00	19.48	33.48	47.02	-13.54	AVG
10	0.4900	21.64	19.47	41.11	56.17	-15.06	QP
11	2.0780	1.00	19.60	20.60	56.00	-35.40	QP
12	2.6380	4.29	19.63	23.92	46.00	-22.08	AVG

Polarization	L	Mode	TX DH5_2441MHz



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1860	32.95	19.42	52.37	64.21	-11.84	QP
2	0.2220	23.87	19.42	43.29	52.74	-9.45	AVG
3	0.2580	16.97	19.43	36.40	51.50	-15.10	AVG
4	0.3020	33.09	19.43	52.52	60.19	-7.67	QP
5	0.6419	10.04	19.51	29.55	46.00	-16.45	AVG
6	0.7740	6.04	19.50	25.54	46.00	-20.46	AVG
7	0.8540	19.26	19.50	38.76	56.00	-17.24	QP
8	0.9780	21.22	19.51	40.73	56.00	-15.27	QP
9	1.3820	0.49	19.55	20.04	46.00	-25.96	AVG
10	1.7140	6.09	19.56	25.65	56.00	-30.35	QP
11	2.2580	13.40	19.60	33.00	56.00	-23.00	QP
12	2.2580	-0.45	19.60	19.15	46.00	-26.85	AVG

5.TEST SETUP PHOTOGRAPHS

Please refer to the Appendix F.

6.EXTERNAL AND INTERNAL PHOTOS OF THE EUT

External Please refer to the Appendix G.

Internal Please refer to the Appendix H.

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