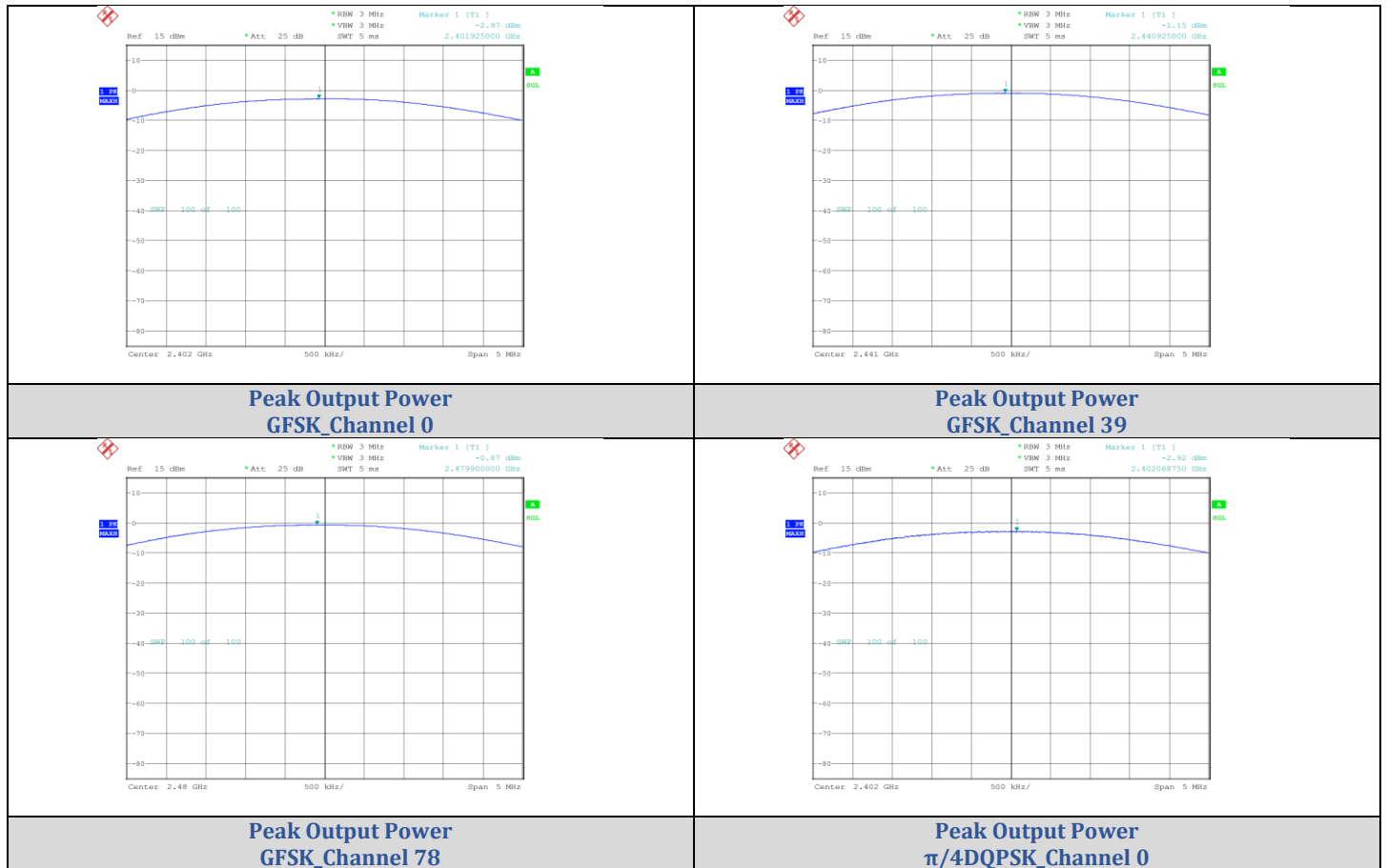


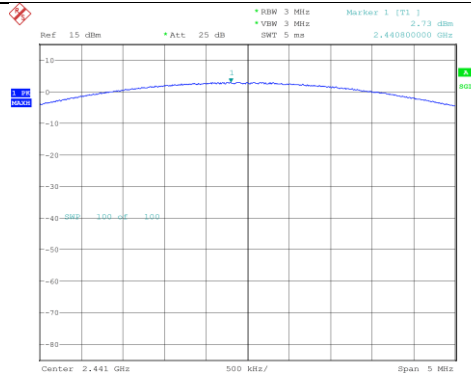
Conducted Output Power

Test Result

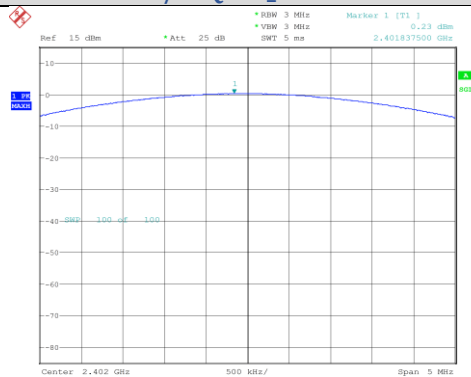
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-2.973	0.504	None	≤30	PASS
		39	-1.147	0.768	None		PASS
		78	-0.867	0.819	None		PASS
$\pi/4$ DQPSK	2-DH5	0	-2.925	0.510	None	≤20.97	PASS
		39	2.735	1.877	None		PASS
		78	3.106	2.045	None		PASS
8DPSK	3-DH5	0	0.226	1.053	None		PASS
		39	2.884	1.943	None		PASS
		78	3.248	2.113	None		PASS

Test Graphs

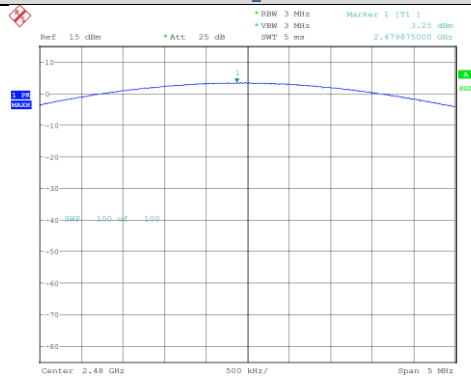




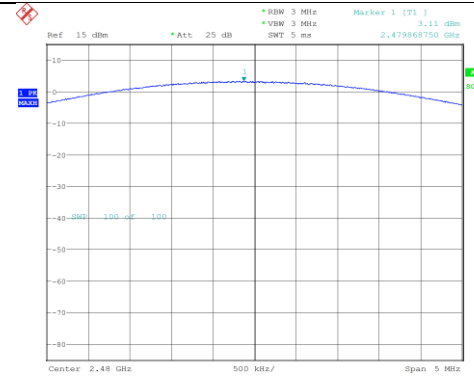
**Peak Output Power
 $\pi/4$ QPSK_Channel 39**



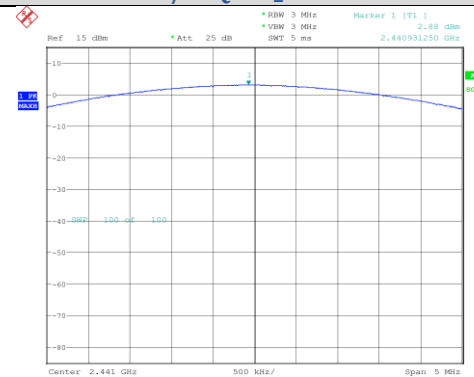
**Peak Output Power
8DPSK_Channel 0**



**Peak Output Power
8DPSK_Channel 78**



**Peak Output Power
 $\pi/4$ QPSK_Channel 78**

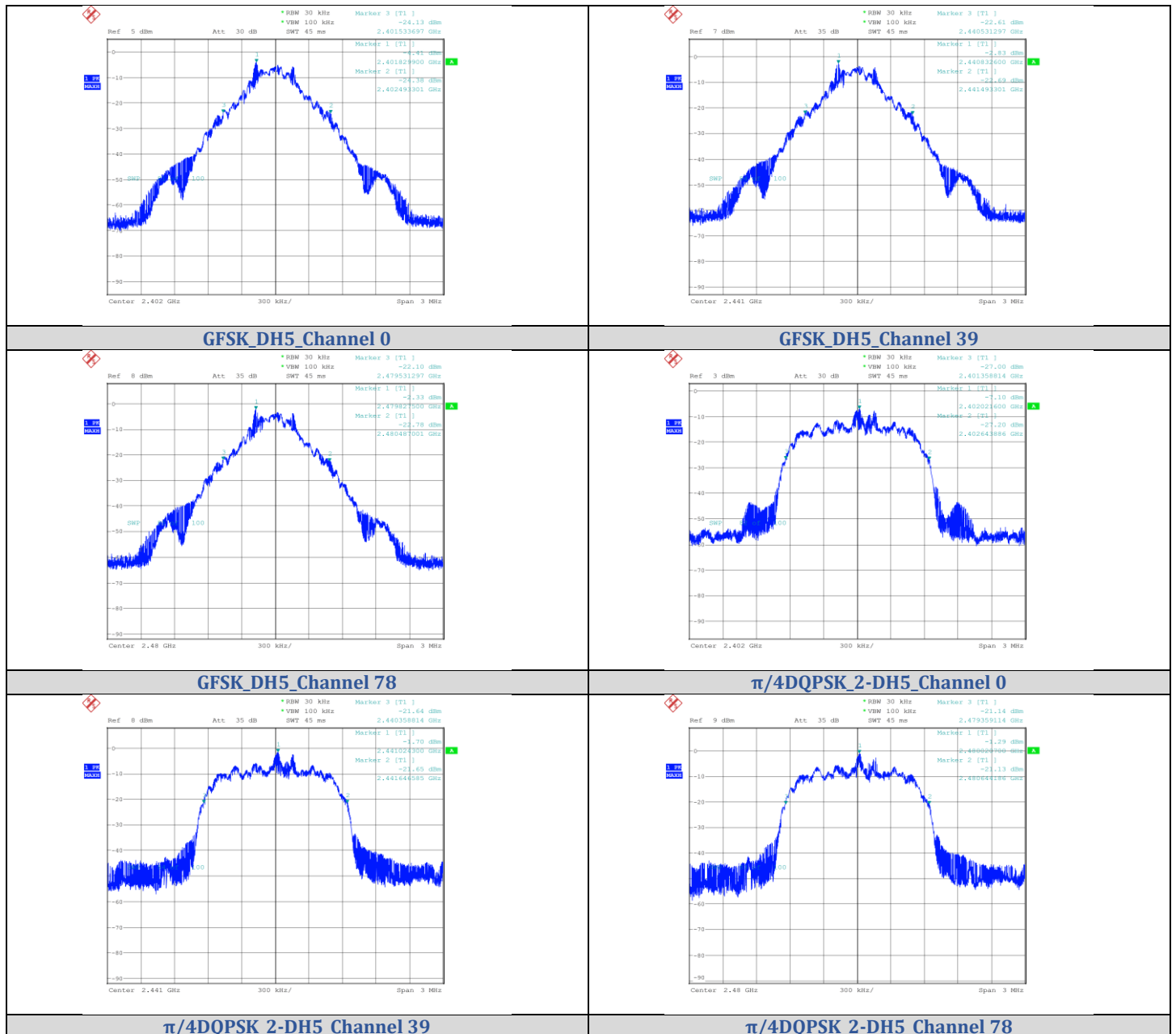


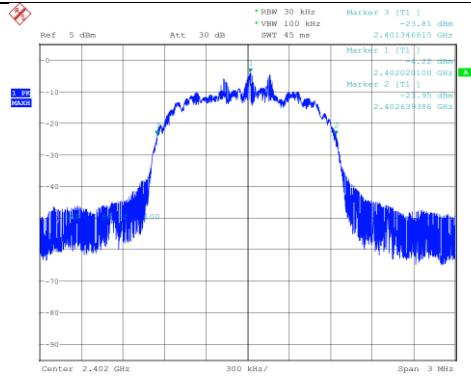
20dB Bandwidth

Test Result

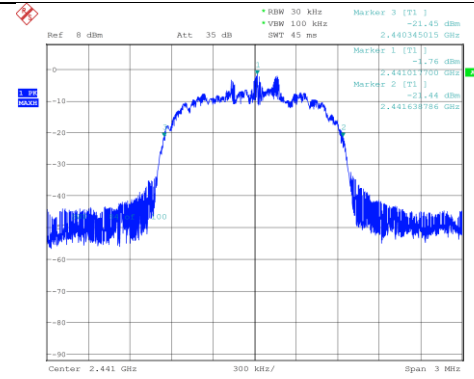
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9600
	39	2441 MHz	0.9600
	78	2480 MHz	0.9600
$\pi/4$ DQPSK	0	2402 MHz	1.280
	39	2441 MHz	1.290
	78	2480 MHz	1.280
8DPSK	0	2402 MHz	1.290
	39	2441 MHz	1.290
	78	2480 MHz	1.290

Test Graphs

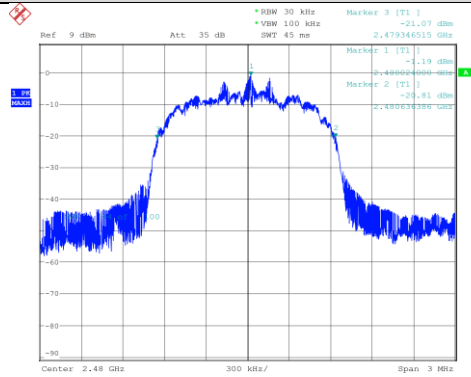




8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



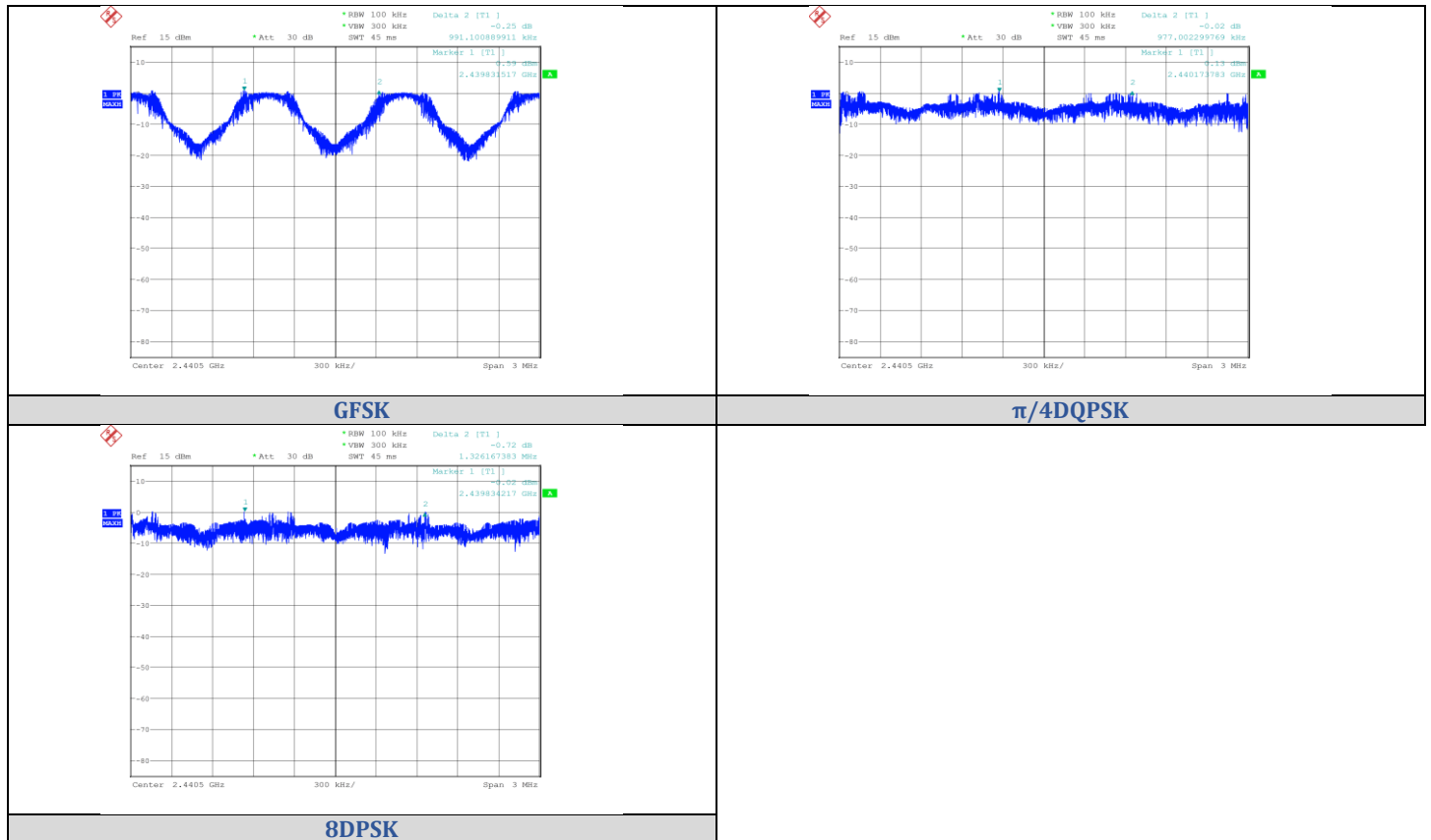
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8315	2440.8226	0.9911	0.64	PASS
$\pi/4$ DQPSK	2-DH5	2440.1738	2441.1508	0.9770	0.853	PASS
8DPSK	3-DH5	2439.8342	2441.1604	1.3262	0.86	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

Non-Hopping

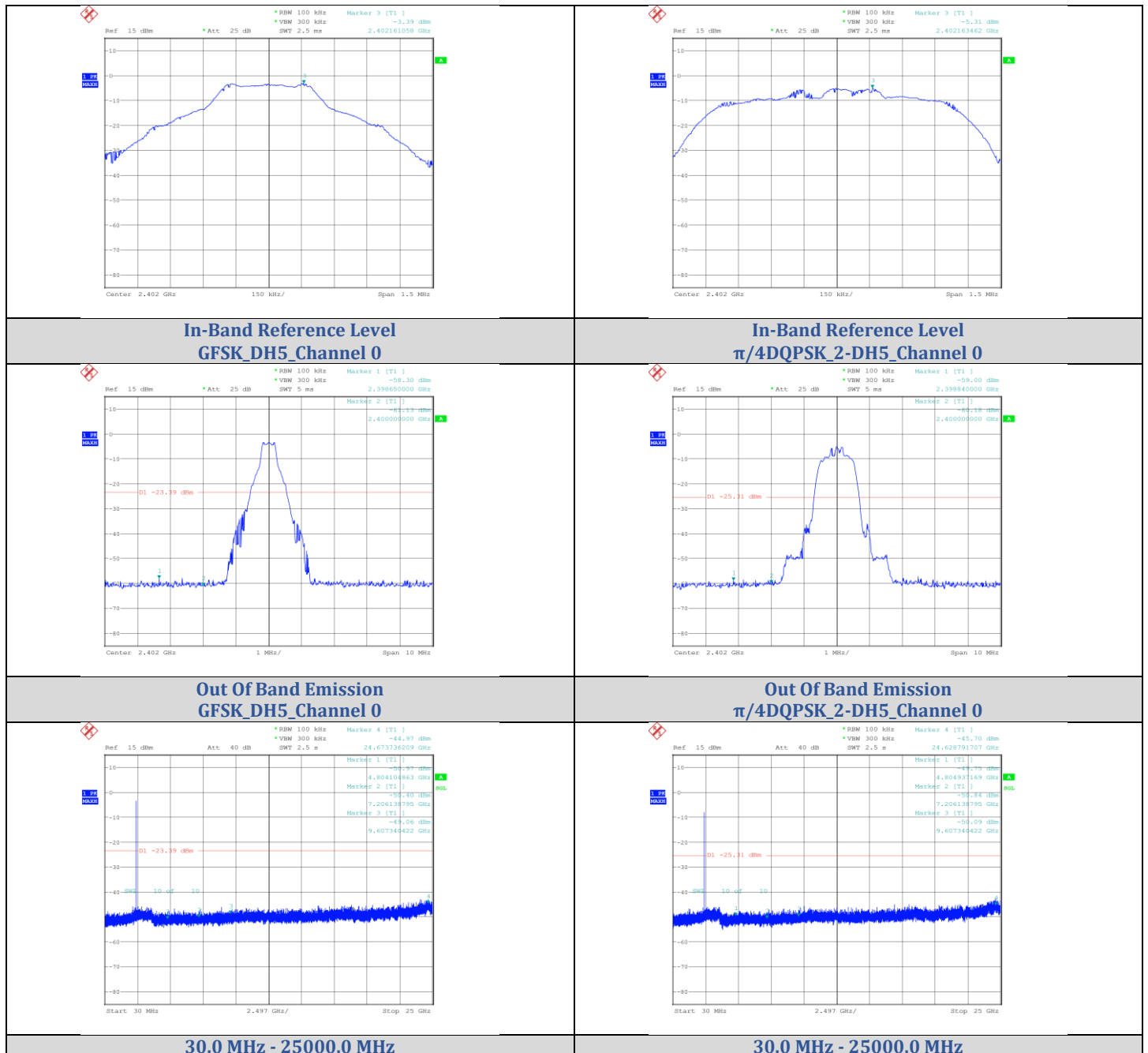
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2398.65	-58.304	-23.39	-34.914	PASS
			2400.00	-61.133	-23.39	-37.743	PASS
			4804.10	-50.970	-23.39	-27.580	PASS
			7206.10	-50.403	-23.39	-27.013	PASS
			9607.30	-49.063	-23.39	-25.673	PASS
			24673.7	-43.002	-23.39	-19.612	PASS
		39	4882.34	-51.828	-21.56	-30.268	PASS
			7323.49	-50.657	-21.56	-29.097	PASS
			9763.81	-49.669	-21.56	-28.109	PASS
			24557.2	-43.175	-21.56	-21.615	PASS
		78	2483.50	-60.397	-21.23	-39.167	PASS
			4959.75	-52.116	-21.23	-30.886	PASS
			7439.18	-49.575	-21.23	-28.345	PASS
			9919.46	-50.753	-21.23	-29.523	PASS
			24640.4	-42.788	-21.23	-21.558	PASS
$\pi/4$ DQPSK	2-DH5	0	2398.84	-58.996	-25.31	-33.686	PASS
			2400.00	-60.182	-25.31	-34.872	PASS
			4804.90	-49.752	-25.31	-24.442	PASS
			7206.10	-50.839	-25.31	-25.529	PASS
			9607.30	-50.089	-25.31	-24.779	PASS
			24628.8	-42.958	-25.31	-17.648	PASS
		39	4882.34	-50.872	-19.76	-31.112	PASS
			7323.49	-50.650	-19.76	-30.890	PASS
			9763.81	-50.545	-19.76	-30.785	PASS
			24558.0	-40.839	-19.76	-21.079	PASS
		78	2483.50	-60.310	-19.44	-40.870	PASS
			4959.75	-51.044	-19.44	-31.604	PASS
			7440.02	-50.952	-19.44	-31.512	PASS
			9920.29	-49.421	-19.44	-29.981	PASS
			24576.4	-42.233	-19.44	-22.793	PASS
8DPSK	3-DH5	0	2398.73	-58.520	-22.34	-36.180	PASS
			2400.00	-58.599	-22.34	-36.259	PASS
			4804.90	-50.963	-22.34	-28.623	PASS
			7206.10	-48.976	-22.34	-26.636	PASS
			9607.30	-50.066	-22.34	-27.726	PASS
			24672.9	-41.236	-22.34	-18.896	PASS
		39	4882.34	-49.870	-19.57	-30.300	PASS
			7322.66	-50.735	-19.57	-31.165	PASS
			9763.81	-49.654	-19.57	-30.084	PASS
			24496.5	-42.801	-19.57	-23.231	PASS
		78	2483.50	-60.077	-19.14	-40.937	PASS
			4959.75	-51.003	-19.14	-31.863	PASS
			7440.02	-49.669	-19.14	-30.529	PASS
			9919.46	-49.454	-19.14	-30.314	PASS
			24781.1	-43.008	-19.14	-23.868	PASS

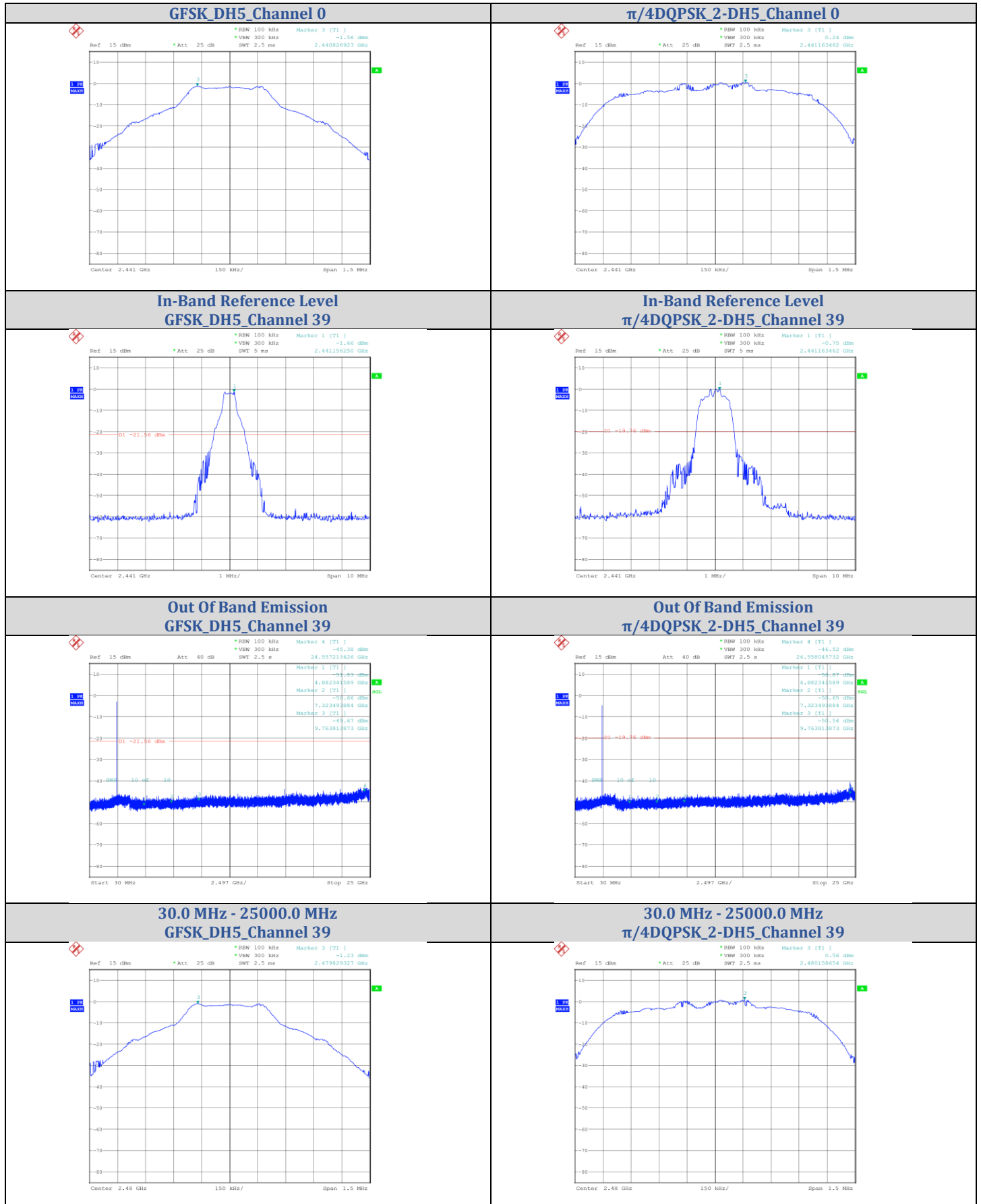
Hopping

Modulation	Packet	Channel	OOB Emission	OOB Emission	Limit (dBm)	Over Limit (dB)	Result
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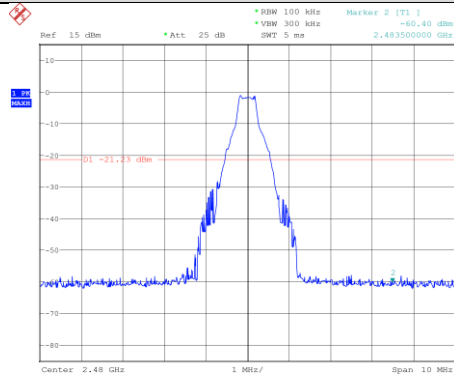
			Frequency (MHz)	Level (dBm)			
GFSK	DH5	Hopping	2398.46	-57.670	-22.26	-35.410	PASS
			2400.00	-59.569	-22.26	-37.309	PASS
			2483.50	-59.335	-19.03	-40.305	PASS
$\pi/4$ DQPSK	2-DH5		2397.16	-56.632	-22.52	-34.112	PASS
			2400.00	-59.316	-22.52	-36.796	PASS
			2483.50	-58.010	-19.3	-38.710	PASS
8DPSK	3-DH5		2398.84	-58.202	-22.76	-35.442	PASS
			2400.00	-58.572	-22.76	-35.812	PASS
			2483.50	-57.321	-19.53	-37.791	PASS

Test Graphs

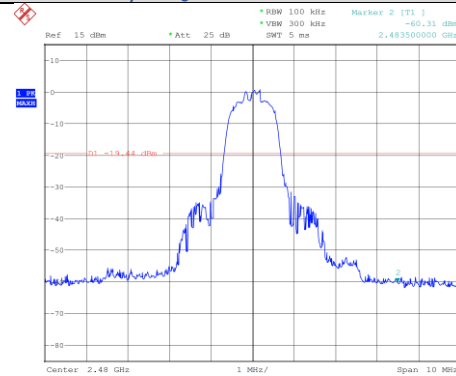




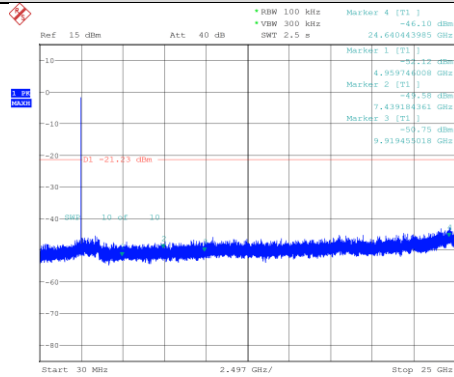
In-Band Reference Level GFSK_DH5_Channel 78



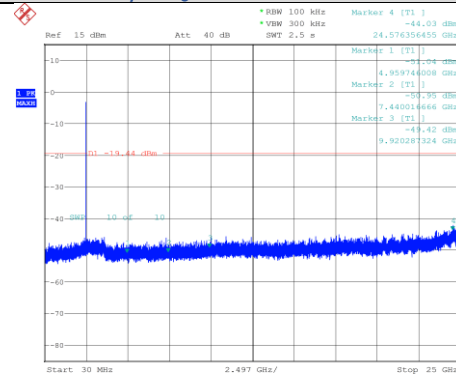
In-Band Reference Level $\pi/4$ DQPSK_2-DH5_Channel 78



Out Of Band Emission GFSK_DH5_Channel 78

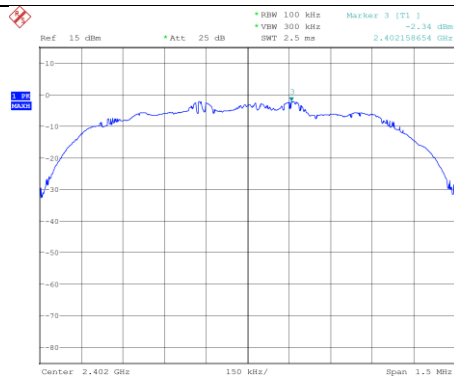


Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 78

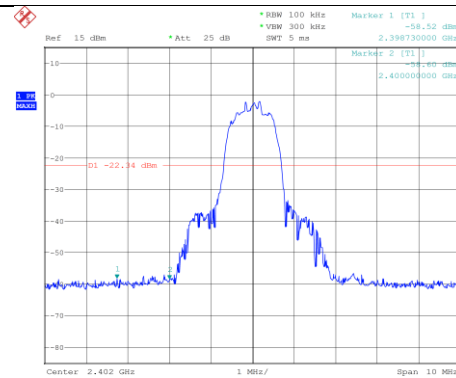


30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 78

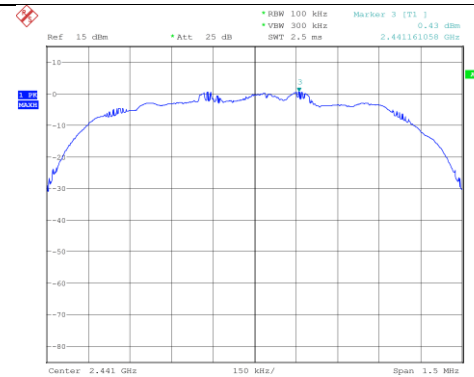
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 78



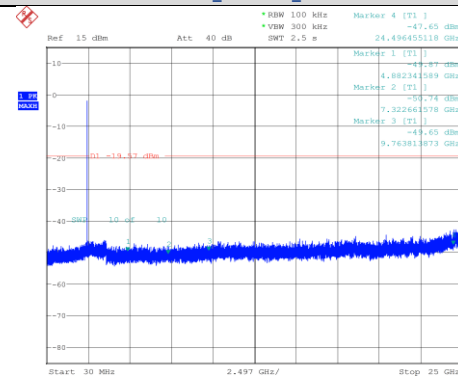
In-Band Reference Level 8DPSK_3-DH5_Channel 0



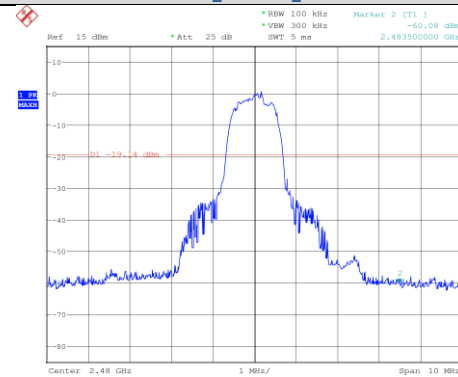
Out Of Band Emission 8DPSK_3-DH5_Channel 0



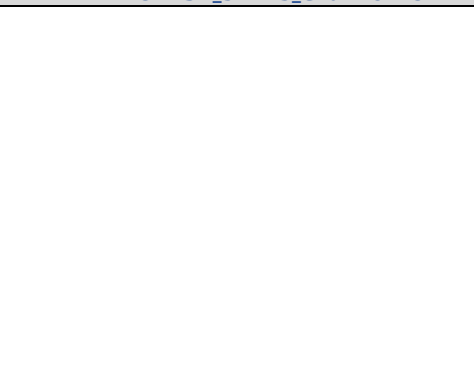
In-Band Reference Level
8DPSK_3-DH5_Channel 39



30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39

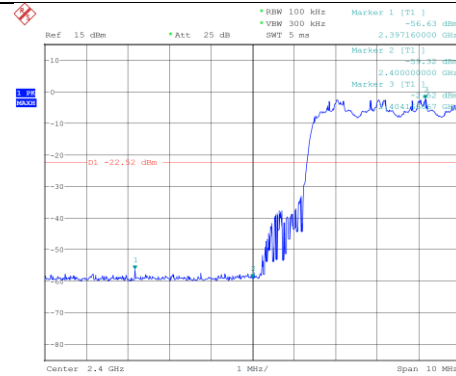
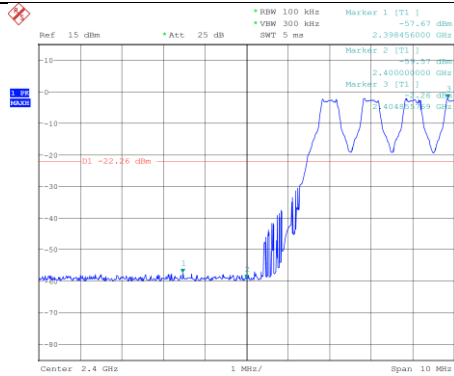


Out Of Band Emission 8DPSK_3-DH5_Channel 78

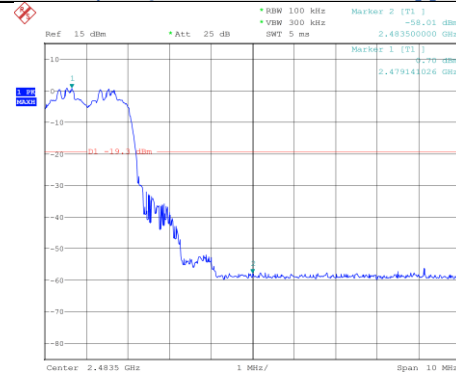
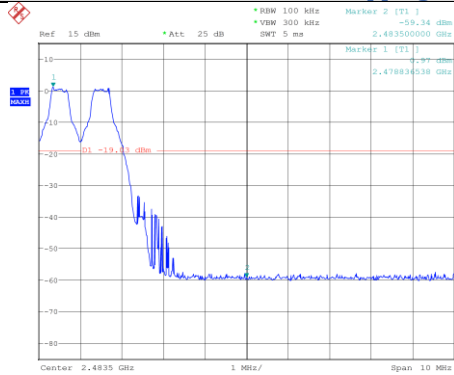


30.0 MHz - 25000.0 MHz

8DPSK_3-DH5_Channel 78

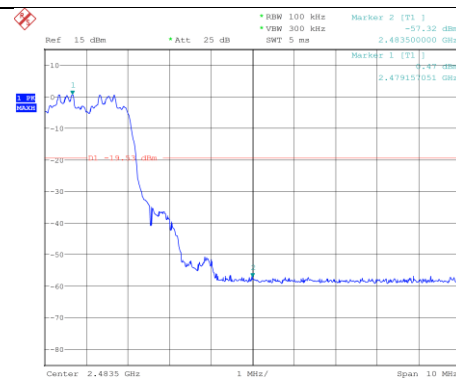
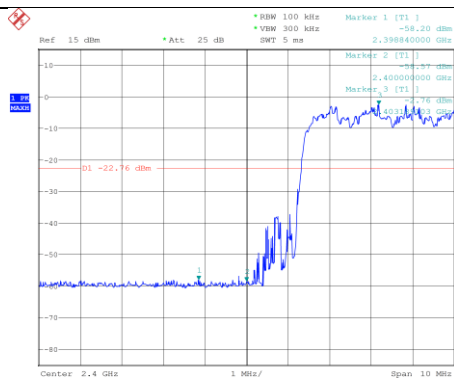


Out Of Band Emission(Left) GFSK_DH5_Channel Hopping



Out Of Band Emission(Right) GFSK_DH5_Channel Hopping

Out Of Band Emission(Right) $\pi/4$ DQPSK_2-DH5_Channel Hopping



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

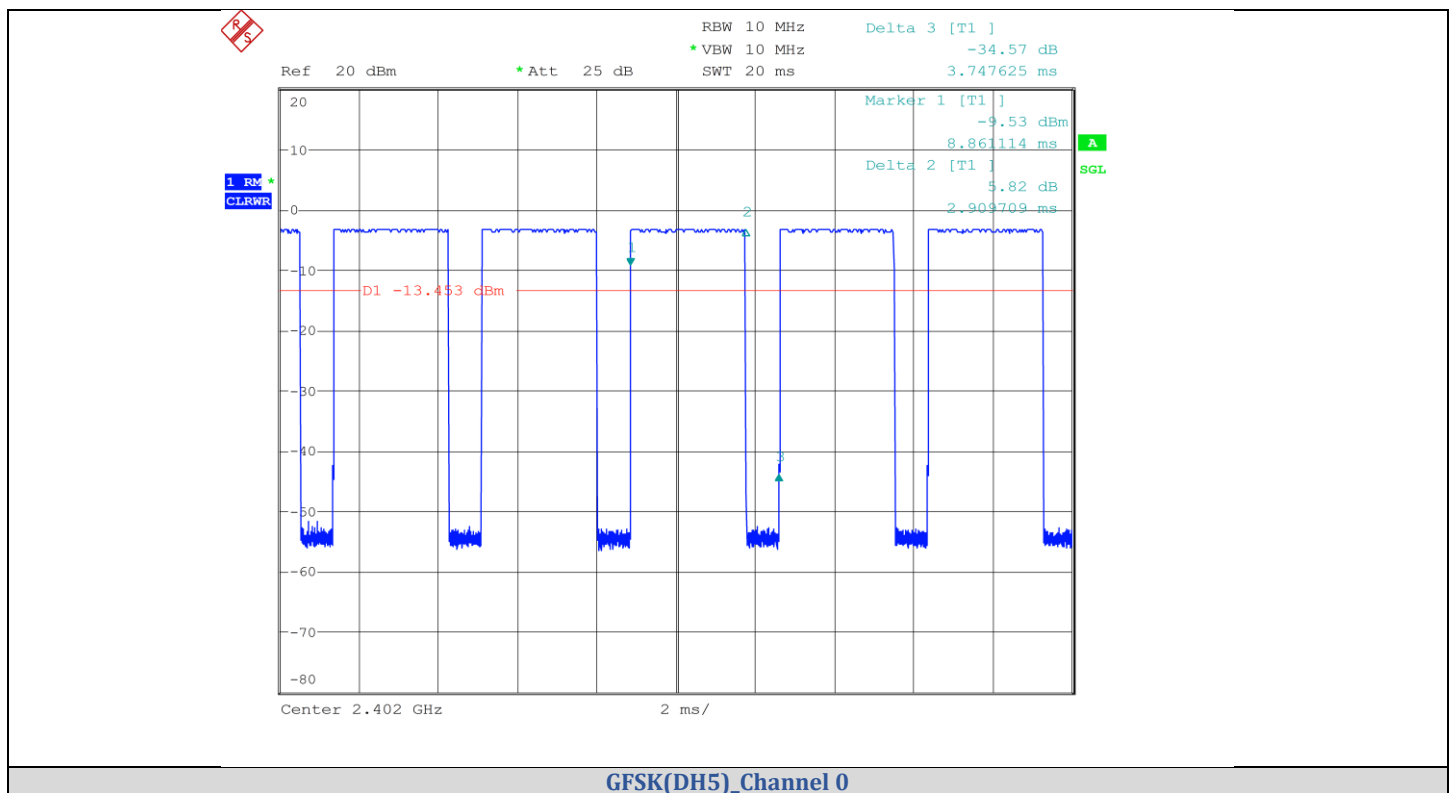
Out Of Band Emission(Right) 8DPSK_3-DH5_Channel Hopping

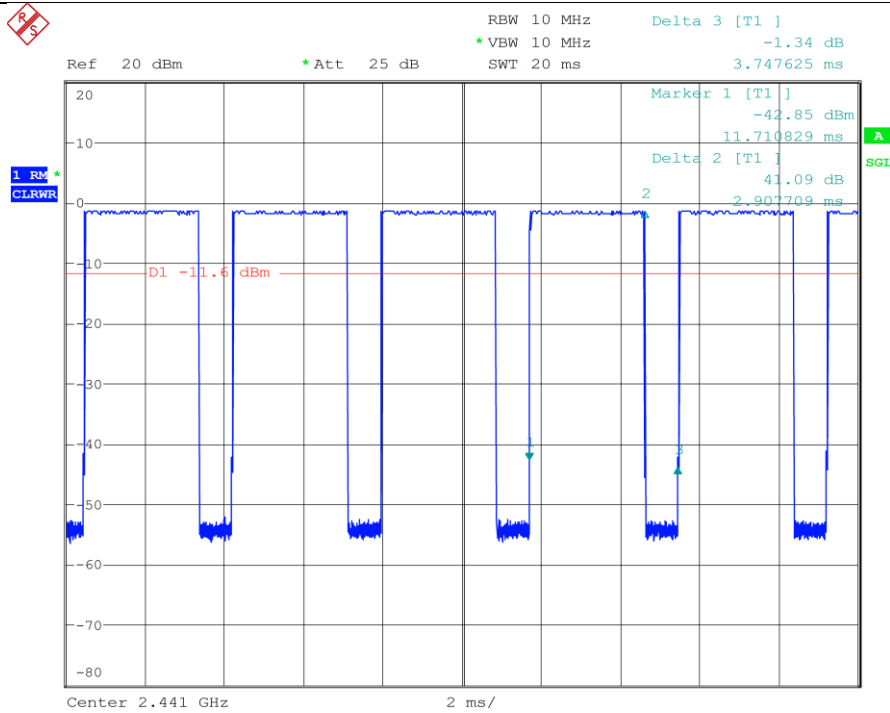
Duty Cycle

Test Result

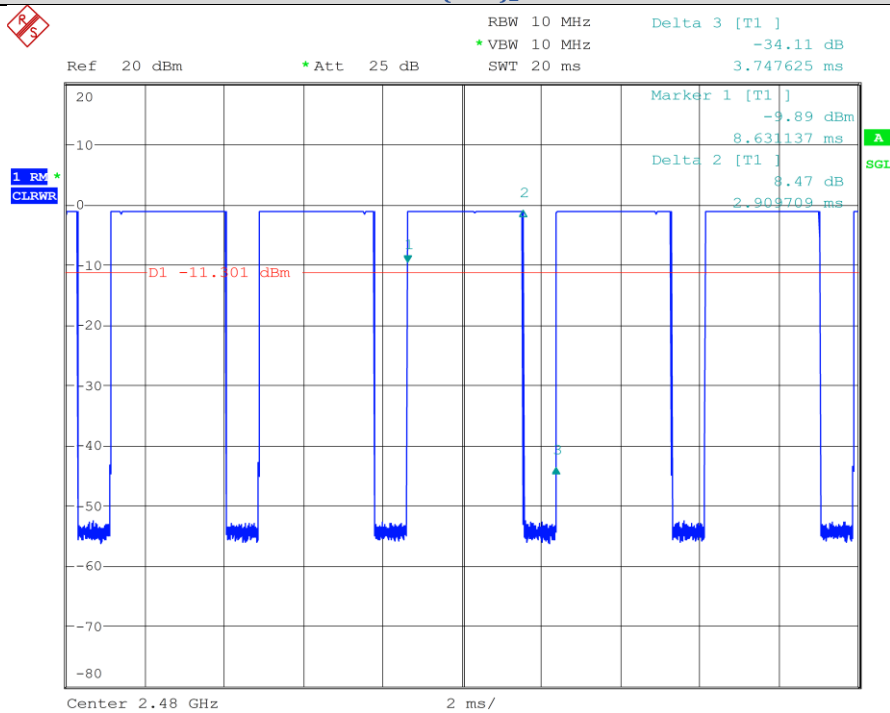
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.910	3.748	77.64	0.7764	1.0991
		39	2.908	3.748	77.59	0.7759	1.1019
		78	2.910	3.748	77.64	0.7764	1.0991
$\pi/4$ DQPSK	2-DH5	0	2.880	3.748	76.84	0.7684	1.1441
		39	2.880	3.748	76.84	0.7684	1.1441
		78	2.880	3.748	76.84	0.7684	1.1441
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

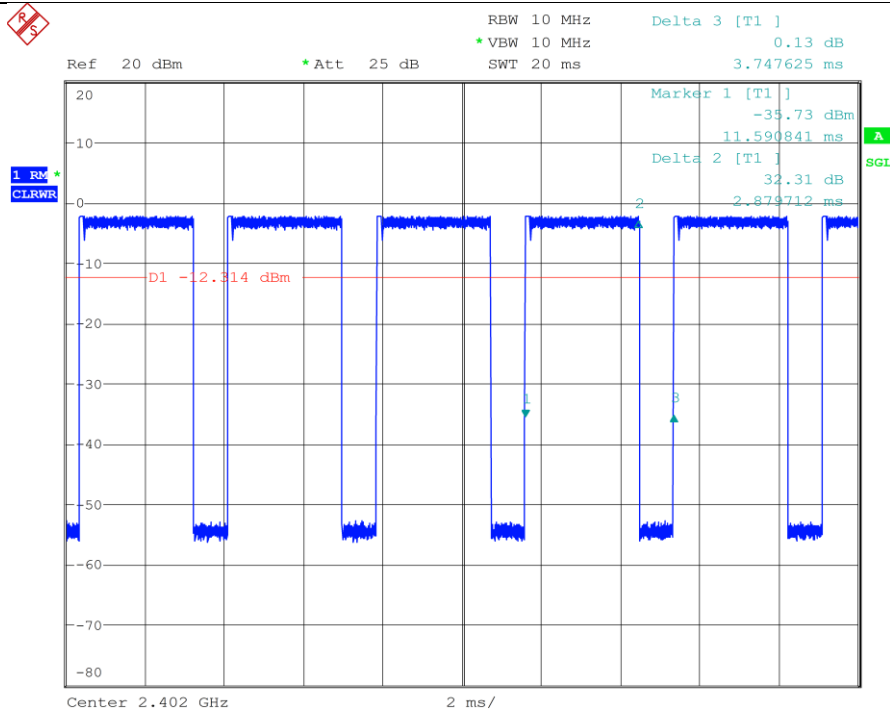




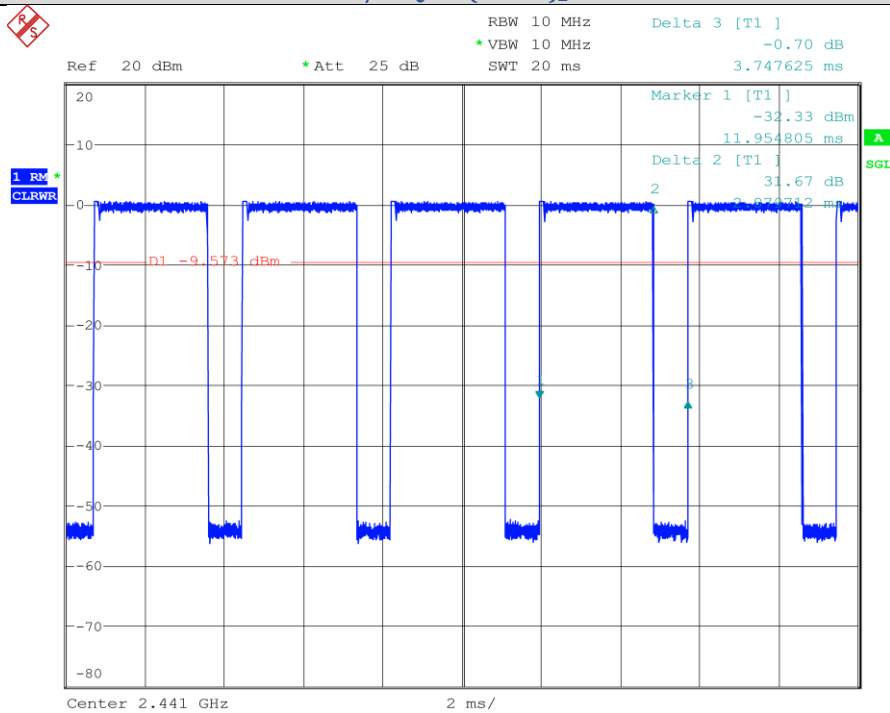
GFSK(DH5)_Channel 39



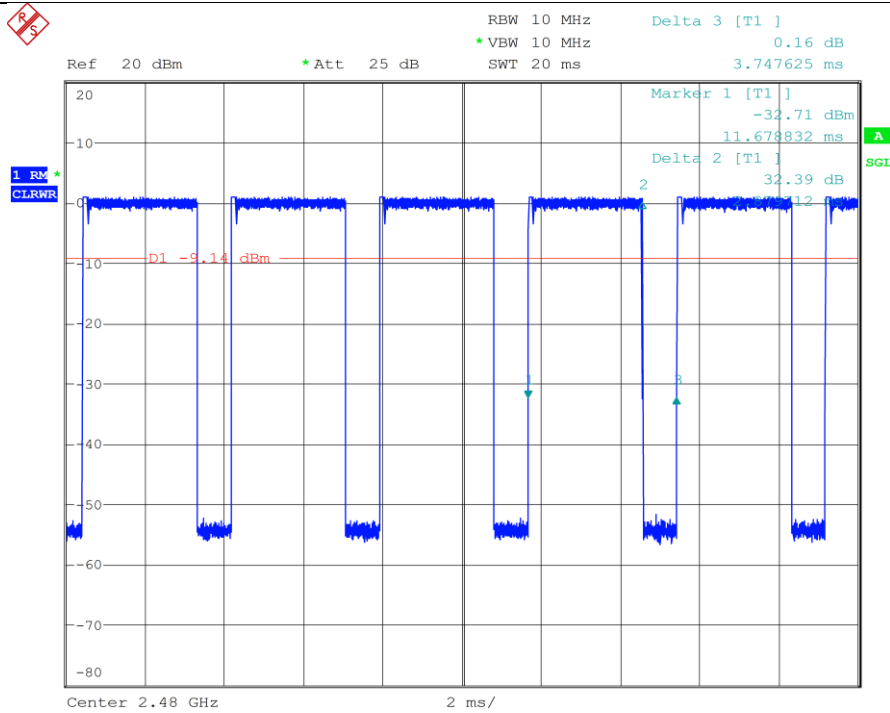
GFSK(DH5)_Channel 78



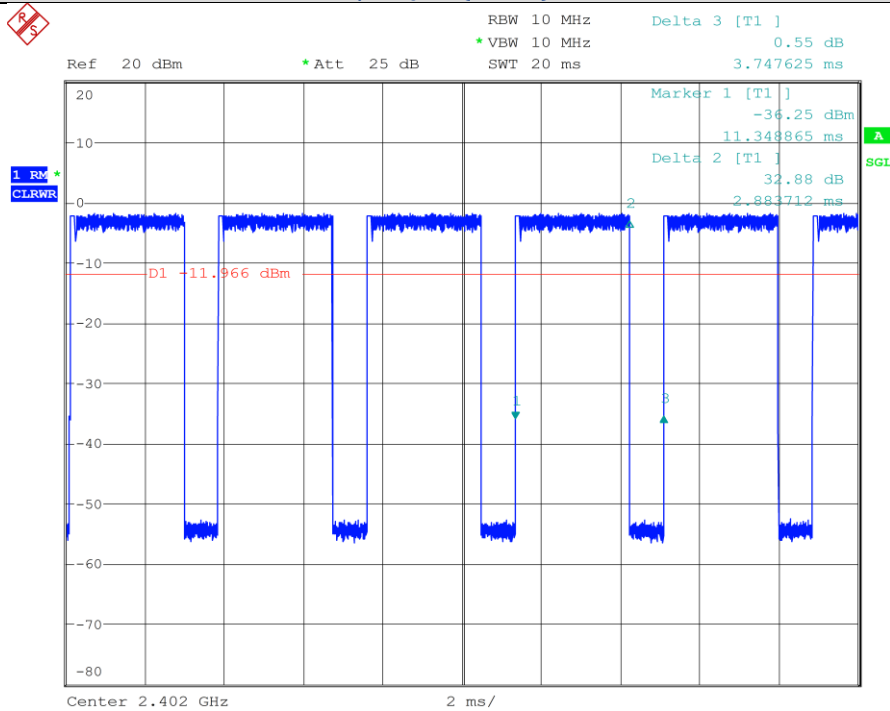
$\pi/4$ DQPSK(2-DH5)_Channel 0



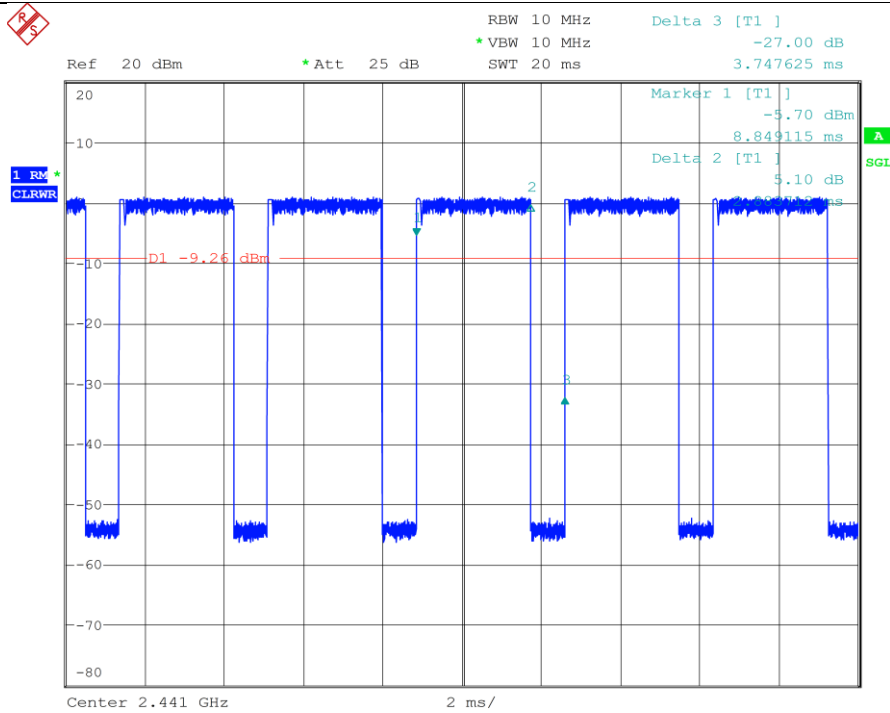
$\pi/4$ DQPSK(2-DH5)_Channel 39



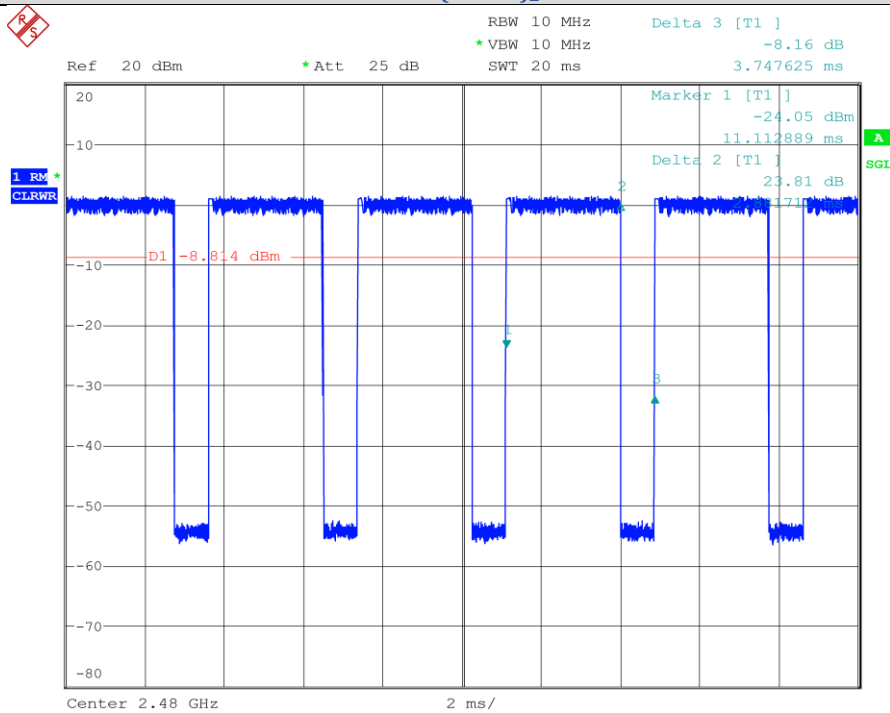
$\pi/4$ DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



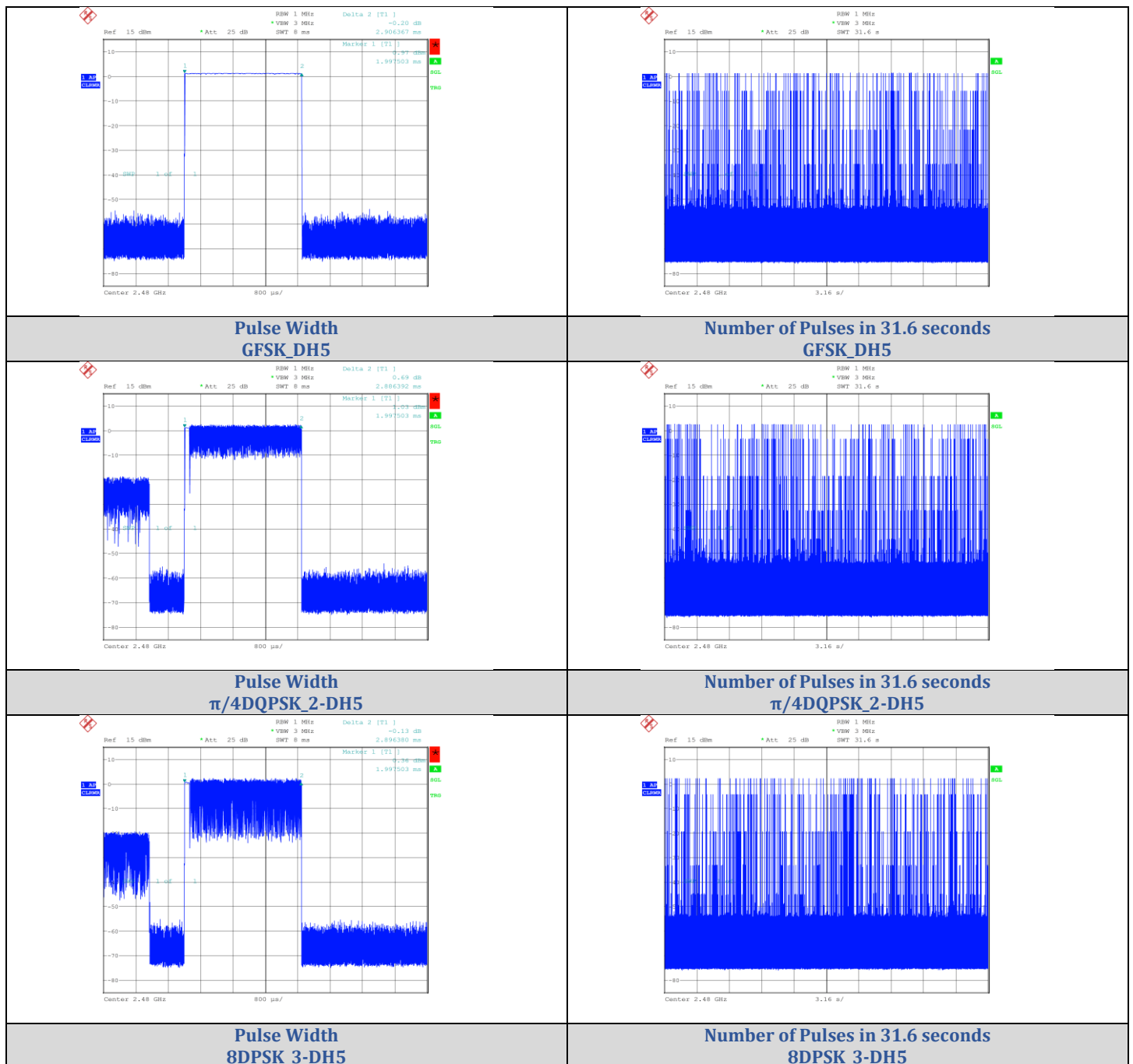
8DPSK(3-DH5)_Channel 78

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	CH78 (2480MHz)	2.906	109	316.79	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.886	107	308.84		PASS
8DPSK	3-DH5		2.896	109	315.71		PASS

Test Graphs



Number Of Hopping Channel

Test Result

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

