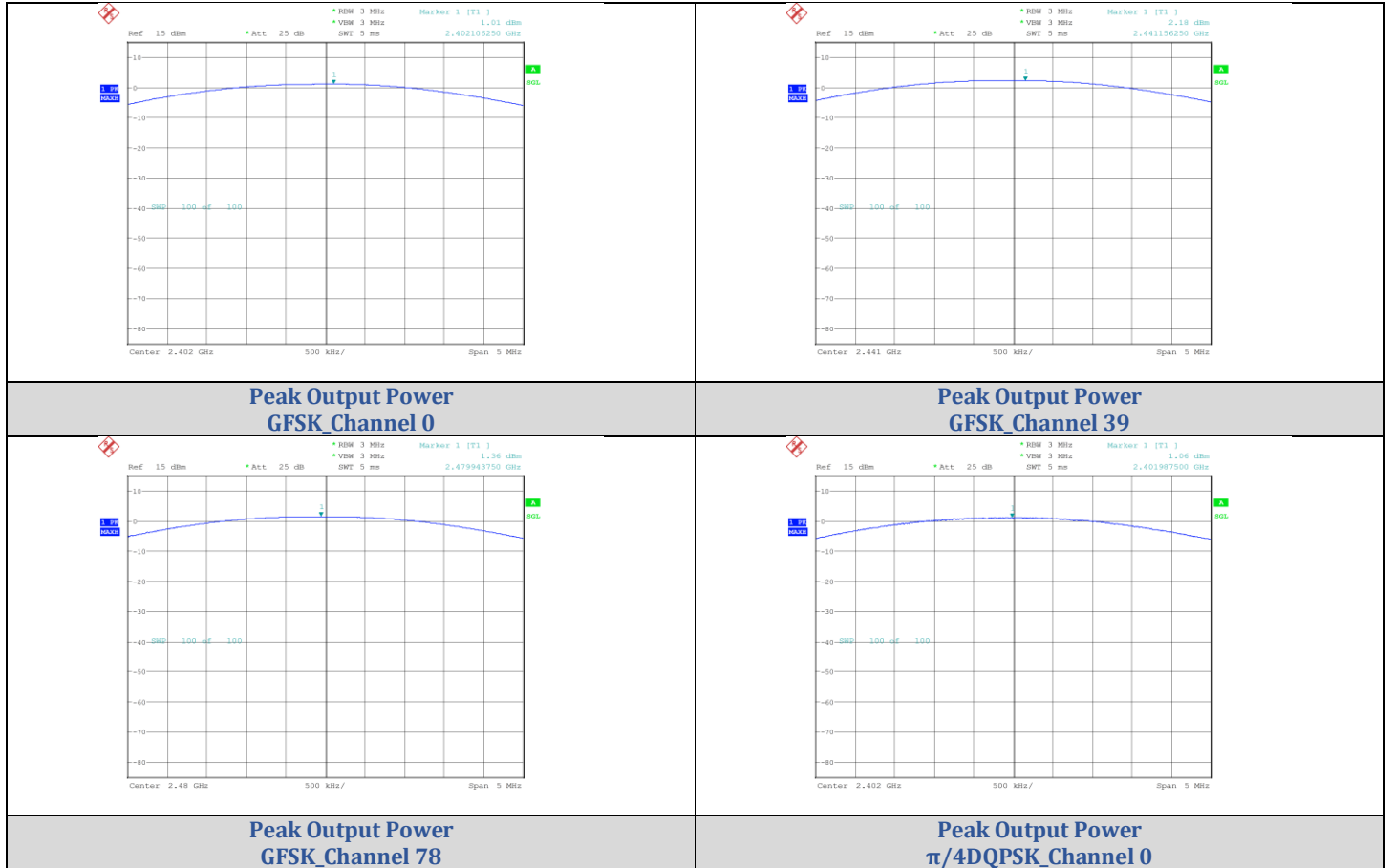


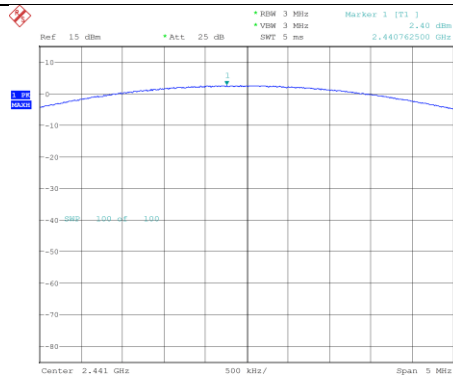
Conducted Output Power

Test Result

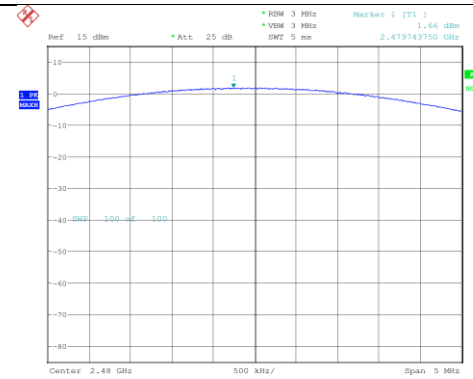
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	1.006	1.261	None	≤30	PASS
		39	2.181	1.652	None		PASS
		78	1.355	1.366	None		PASS
$\pi/4$ DQPSK	2-DH5	0	1.063	1.277	None	≤20.97	PASS
		39	2.404	1.739	None		PASS
		78	1.660	1.466	None		PASS
8DPSK	3-DH5	0	1.412	1.384	None		PASS
		39	2.757	1.887	None		PASS
		78	2.044	1.601	None		PASS

Test Graphs

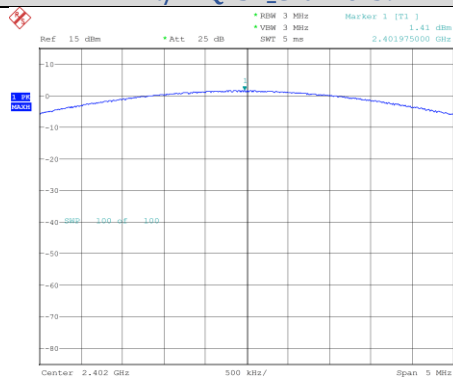




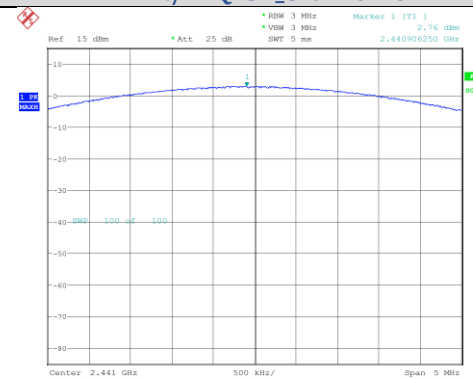
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



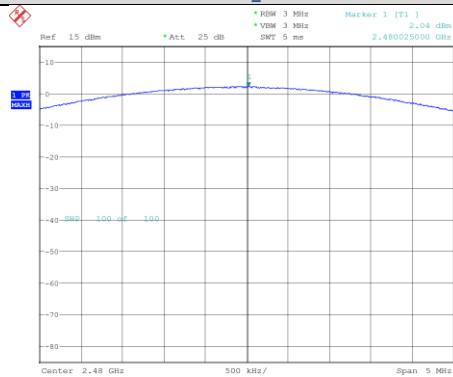
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 78



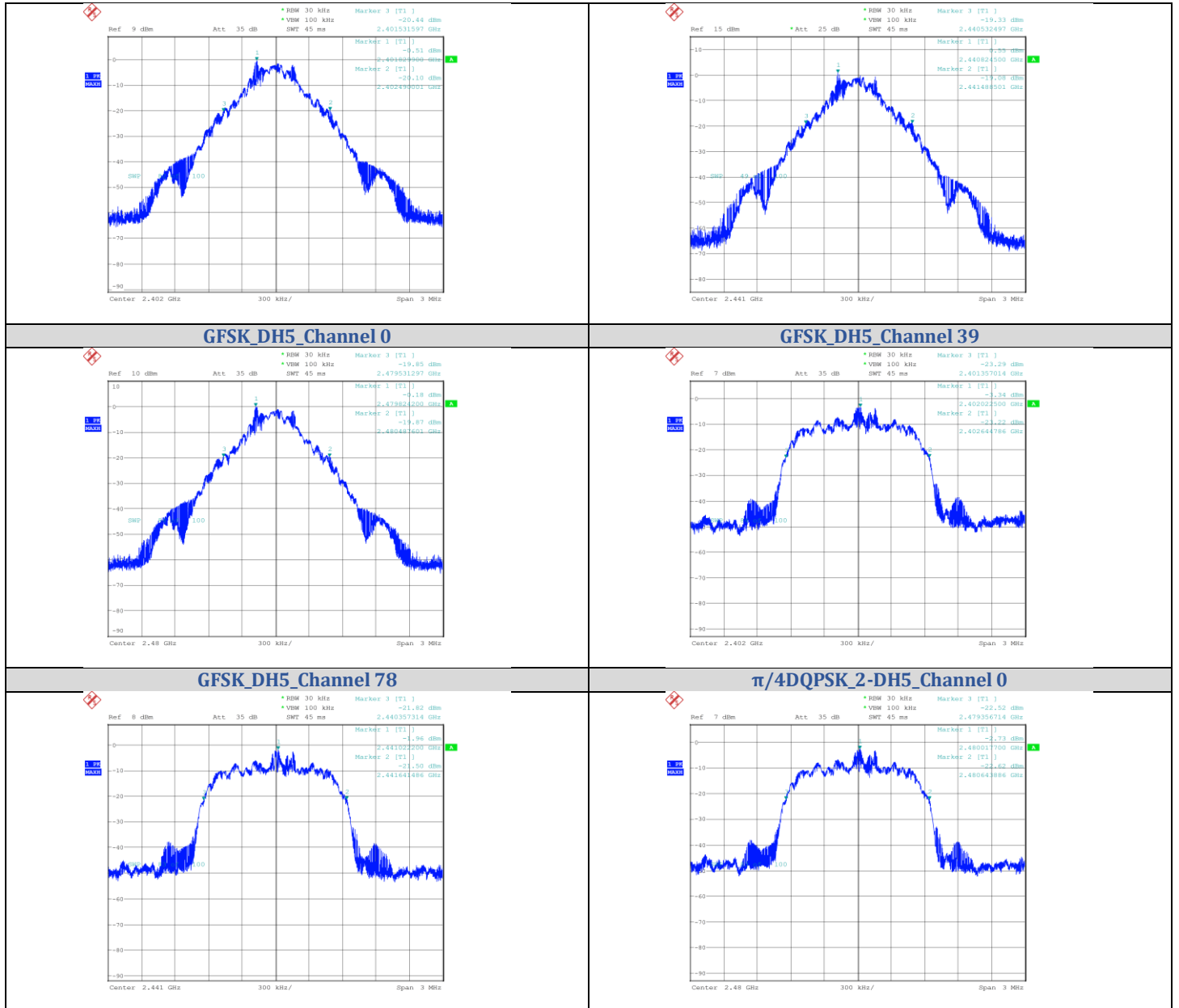
Peak Output Power
8DPSK_Channel 78

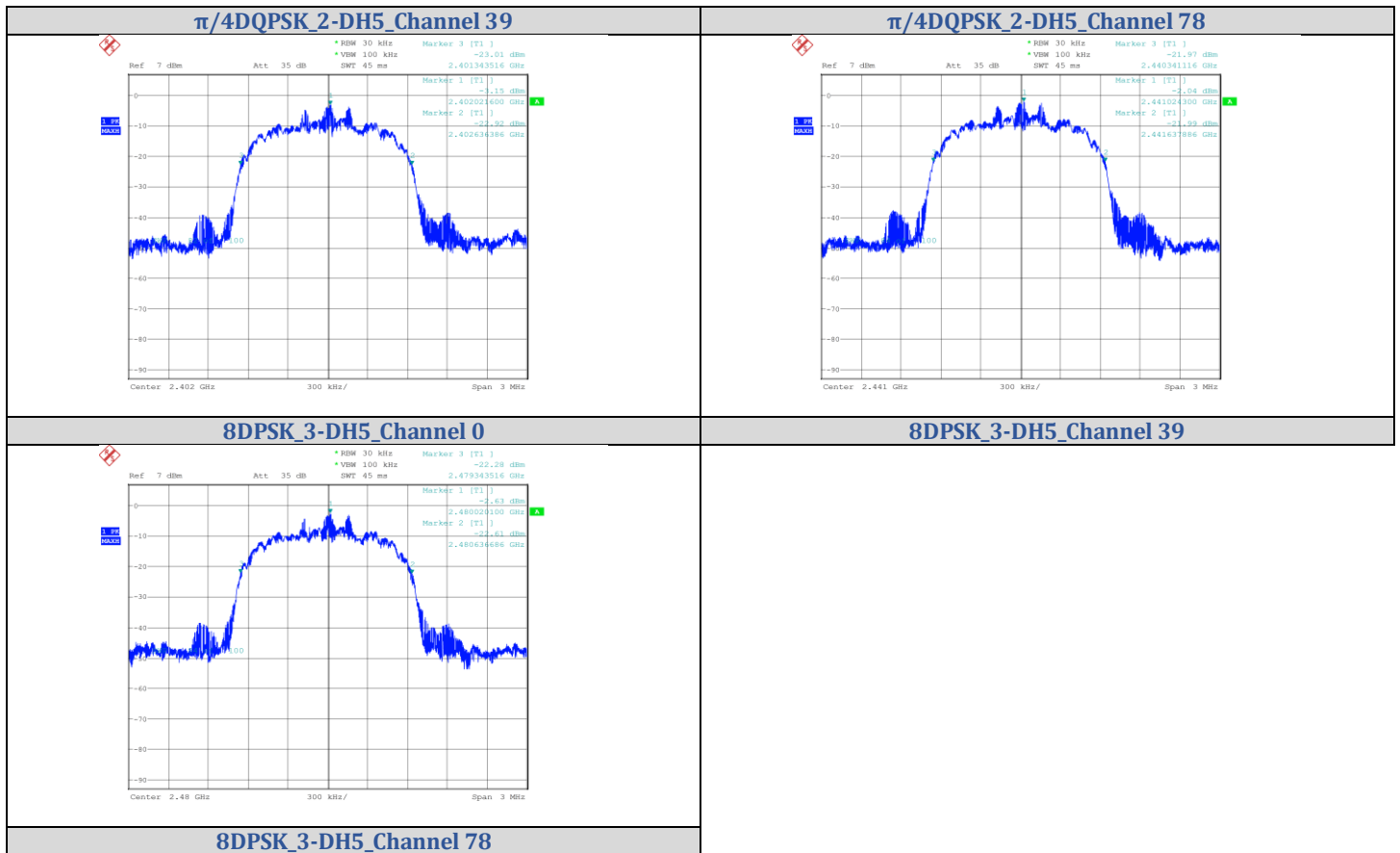
20dB Bandwidth

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	1.280
	78	2480 MHz	1.280
8DPSK	0	2402 MHz	1.300
	39	2441 MHz	1.300
	78	2480 MHz	1.300

Test Graphs



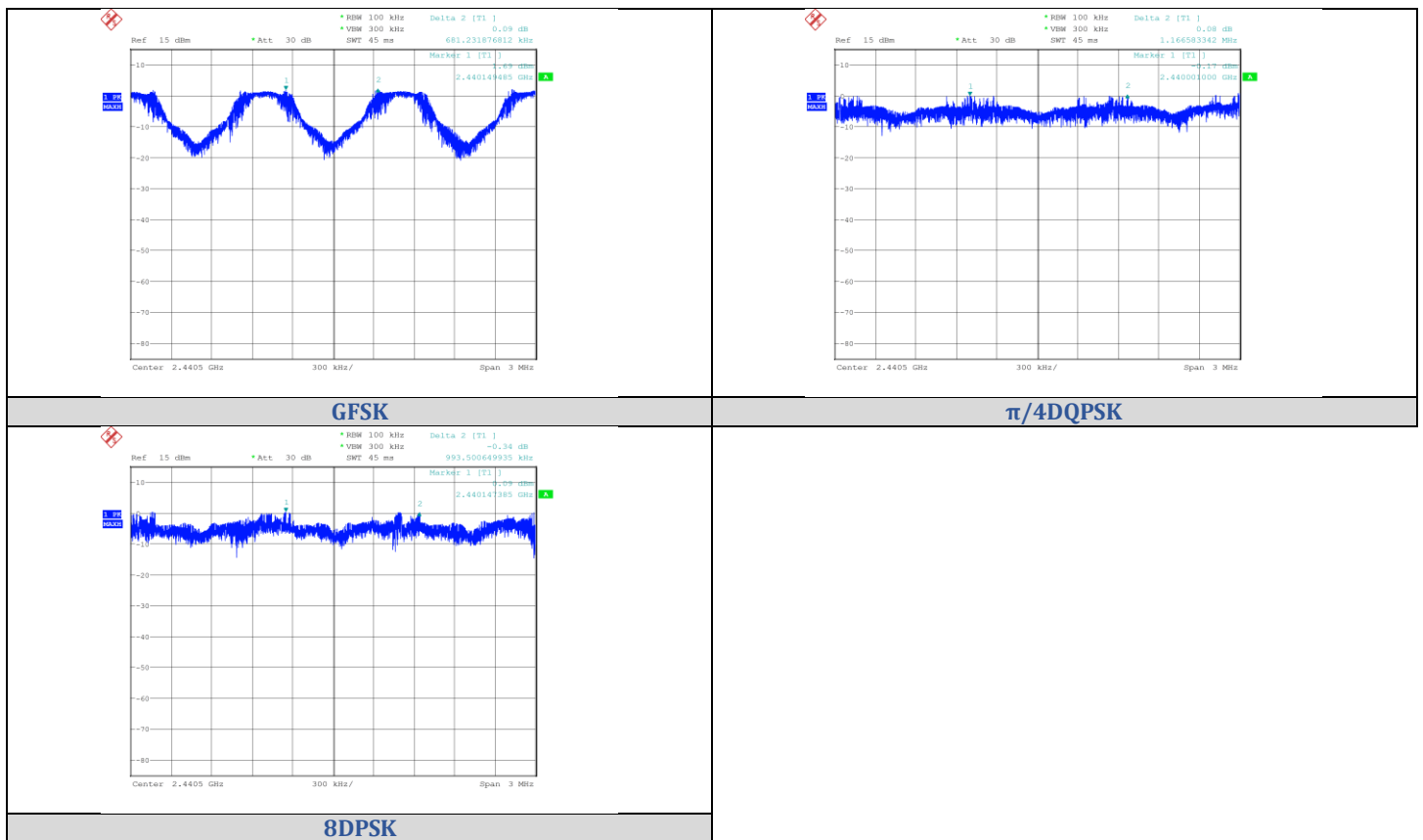


Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.1495	2440.8307	0.6812	0.64	PASS
$\pi/4$ DQPSK	2-DH5	2440.001	2441.1676	1.1666	0.853	PASS
8DPSK	3-DH5	2440.1474	2441.1409	0.9935	0.867	PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

Non-Hopping

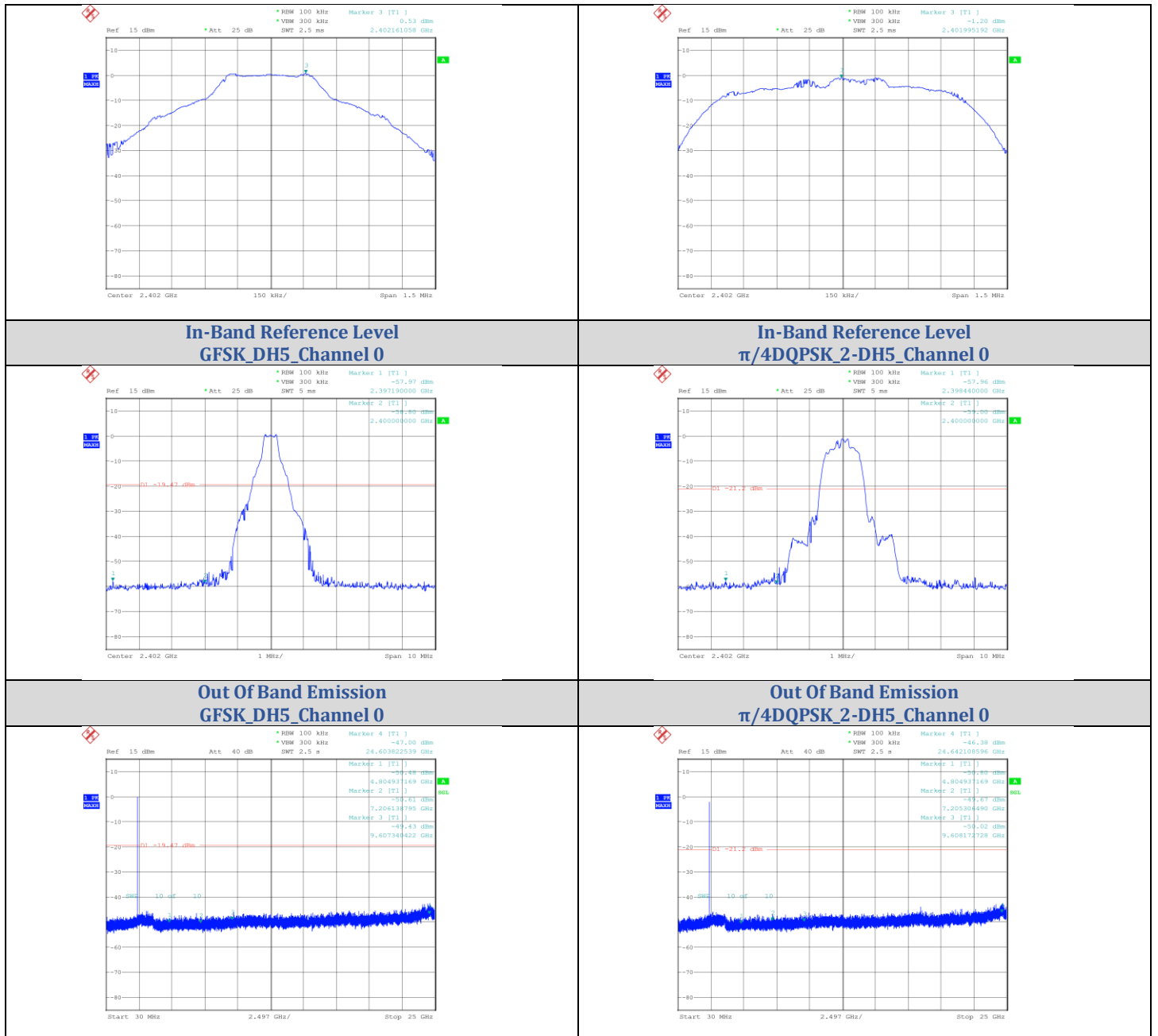
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2397.19	-57.969	-19.47	-38.499	PASS
			2400.00	-58.804	-19.47	-39.334	PASS
			4804.90	-50.482	-19.47	-31.012	PASS
			7206.10	-50.608	-19.47	-31.138	PASS
			9607.30	-49.427	-19.47	-29.957	PASS
			24603.8	-42.722	-19.47	-23.252	PASS
		39	4882.34	-50.099	-18.26	-31.839	PASS
			7323.49	-51.007	-18.26	-32.747	PASS
			9763.81	-49.427	-18.26	-31.167	PASS
			24688.7	-41.936	-18.26	-23.676	PASS
		78	2483.50	-60.225	-19.04	-41.185	PASS
			4959.75	-51.398	-19.04	-32.358	PASS
			7439.18	-51.514	-19.04	-32.474	PASS
			9920.29	-48.935	-19.04	-29.895	PASS
			24225.1	-42.849	-19.04	-23.809	PASS
$\pi/4$ DQPSK	2-DH5	0	2398.44	-57.961	-21.2	-36.761	PASS
			2400.00	-58.996	-21.2	-37.796	PASS
			4804.90	-50.800	-21.2	-29.600	PASS
			7205.30	-49.666	-21.2	-28.466	PASS
			9608.20	-50.020	-21.2	-28.820	PASS
			24642.1	-42.913	-21.2	-21.713	PASS
		39	4882.34	-51.542	-19.89	-31.652	PASS
			7323.49	-50.981	-19.89	-31.091	PASS
			9764.65	-49.381	-19.89	-29.491	PASS
			24670.4	-42.992	-19.89	-23.102	PASS
		78	2483.50	-58.398	-20.67	-37.728	PASS
			4960.58	-50.966	-20.67	-30.296	PASS
			7440.02	-47.989	-20.67	-27.319	PASS
			9919.46	-49.870	-20.67	-29.200	PASS
			24633.0	-43.242	-20.67	-22.572	PASS
8DPSK	3-DH5	0	2398.47	-57.006	-21.07	-35.936	PASS
			2400.00	-59.136	-21.07	-38.066	PASS
			4803.30	-50.757	-21.07	-29.687	PASS
			7205.30	-49.774	-21.07	-28.704	PASS
			9607.30	-48.080	-21.07	-27.010	PASS
			24607.2	-43.548	-21.07	-22.478	PASS
		39	4881.51	-49.701	-19.83	-29.871	PASS
			7322.66	-50.999	-19.83	-31.169	PASS
			9763.81	-50.926	-19.83	-31.096	PASS
			24628.0	-42.245	-19.83	-22.415	PASS
		78	2483.50	-59.769	-20.47	-39.299	PASS
			4959.75	-49.629	-20.47	-29.159	PASS
			7440.85	-50.843	-20.47	-30.373	PASS
			9920.29	-48.533	-20.47	-28.063	PASS
			24008.7	-43.052	-20.47	-22.582	PASS

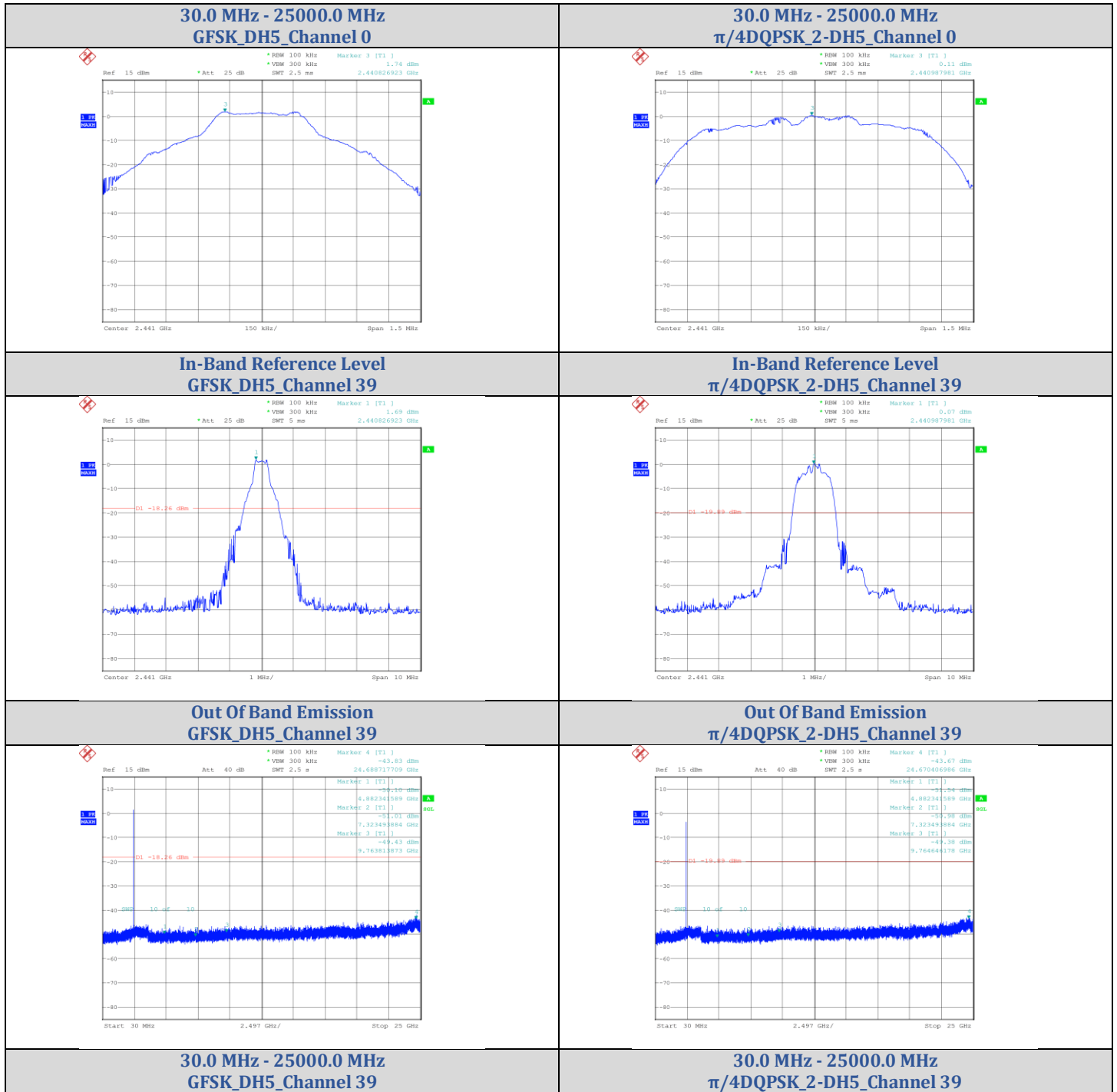
Hopping

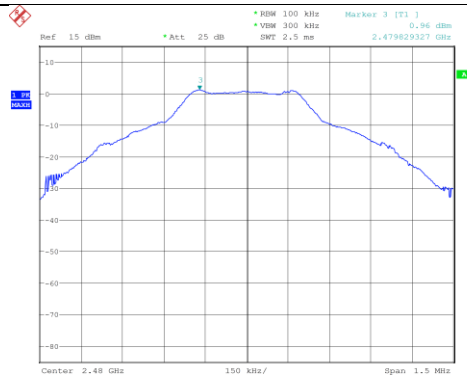
Modulation	Packet	Channel	OOB	OOB	Limit	Over Limit	Result
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			Emission Frequency (MHz)	Emission Level (dBm)	(dBm)	(dB)	
GFSK	DH5	Hopping	2397.42	-57.095	-18.97	-38.125	PASS
			2400.00	-59.287	-18.97	-40.317	PASS
			2483.50	-59.173	-19.06	-40.113	PASS
$\pi/4$ DQPSK	2-DH5		2396.15	-52.177	-20.75	-31.427	PASS
			2400.00	-57.920	-20.75	-37.170	PASS
			2483.50	-58.407	-20.55	-37.857	PASS
8DPSK	3-DH5		2395.67	-57.351	-20.44	-36.911	PASS
			2400.00	-58.904	-20.44	-38.464	PASS
			2483.50	-56.133	-20.35	-35.783	PASS

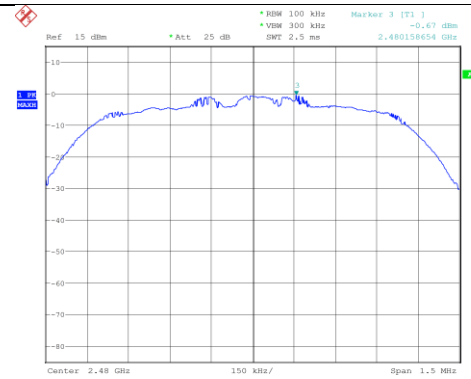
Test Graphs



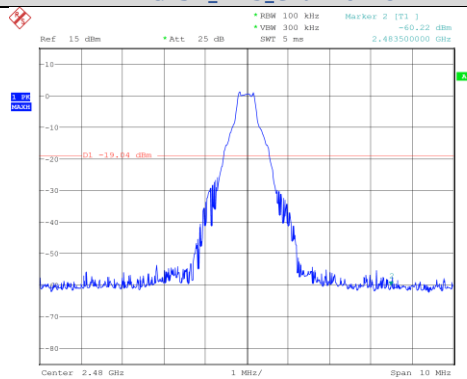




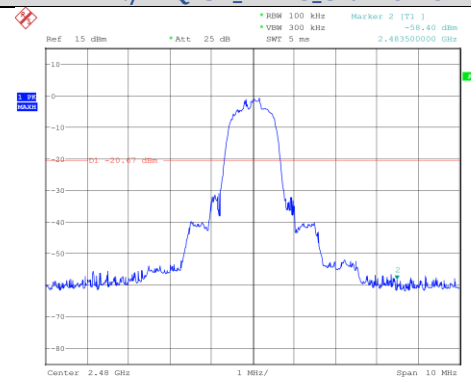
**In-Band Reference Level
GFSK_DH5_Channel 78**



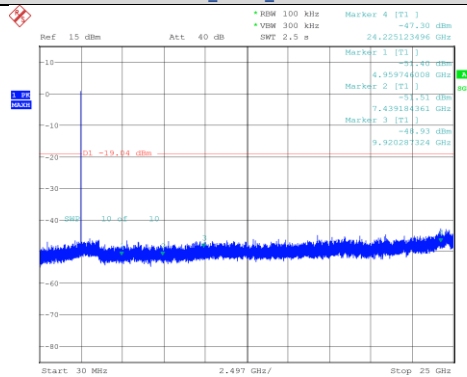
**In-Band Reference Level
 $\pi/4$ DQPSK_2-DH5_Channel 78**



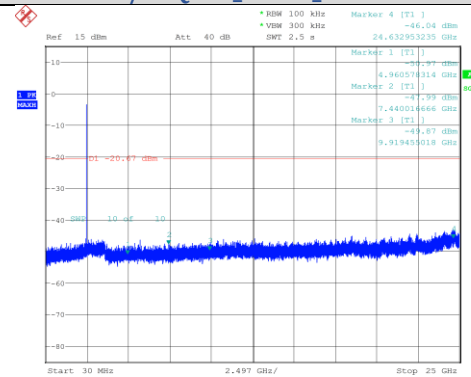
**Out Of Band Emission
GFSK_DH5_Channel 78**



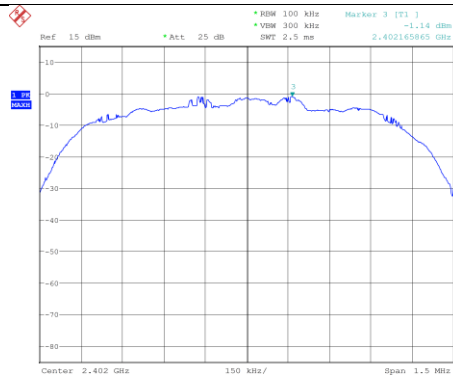
**Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 78**



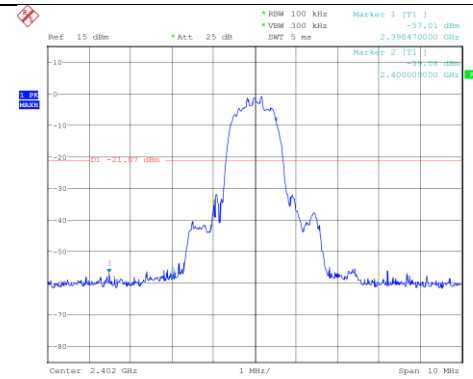
**30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78**



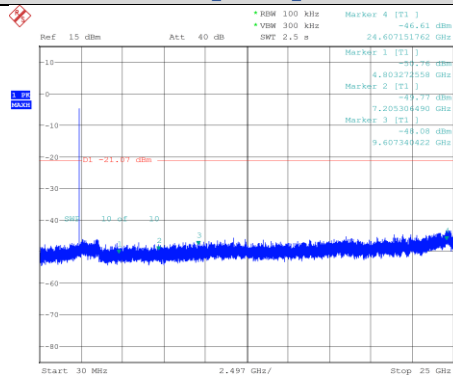
**30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78**



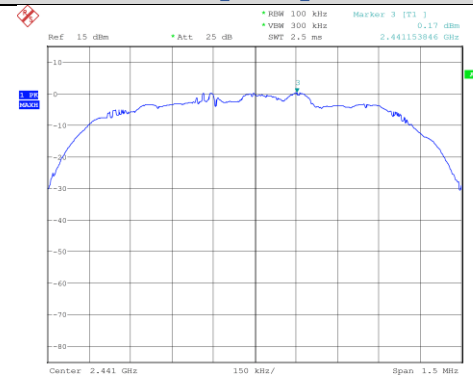
**In-Band Reference Level
8DPSK_3-DH5_Channel 0**



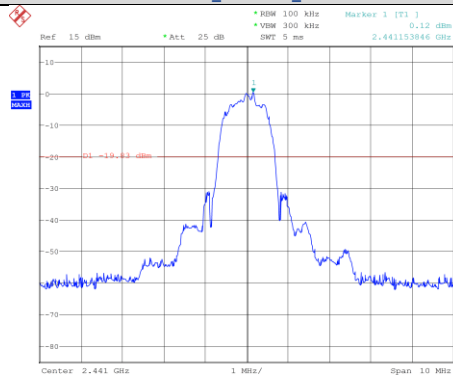
**Out Of Band Emission
8DPSK_3-DH5_Channel 0**



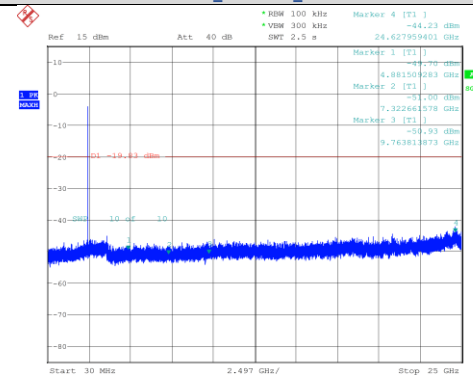
**30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0**



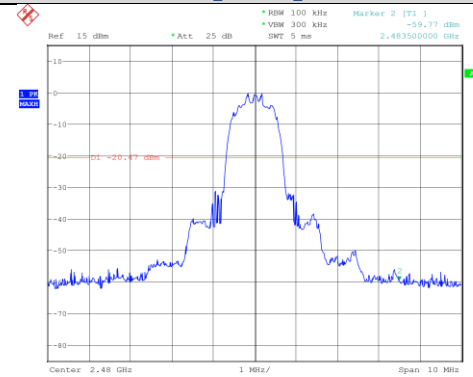
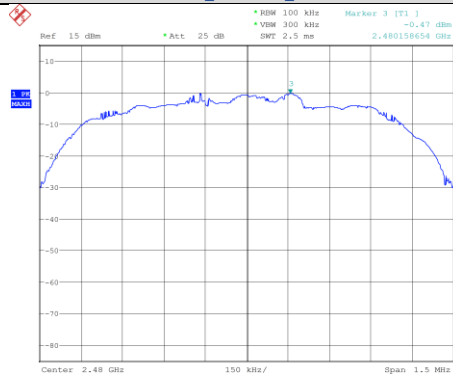
**In-Band Reference Level
8DPSK_3-DH5_Channel 39**

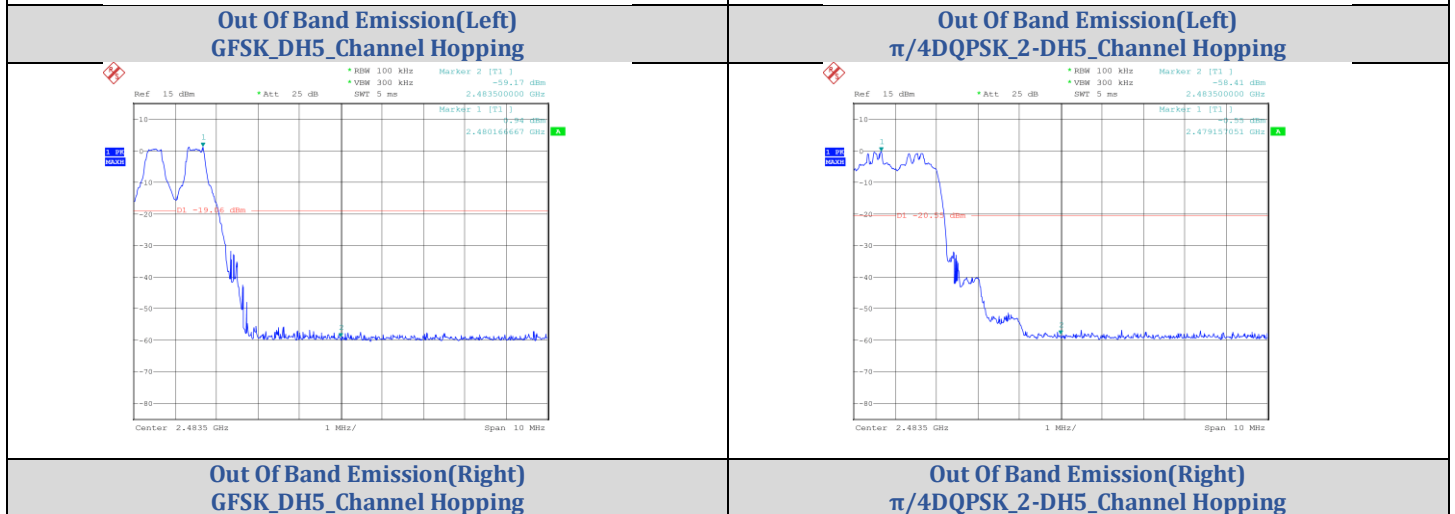
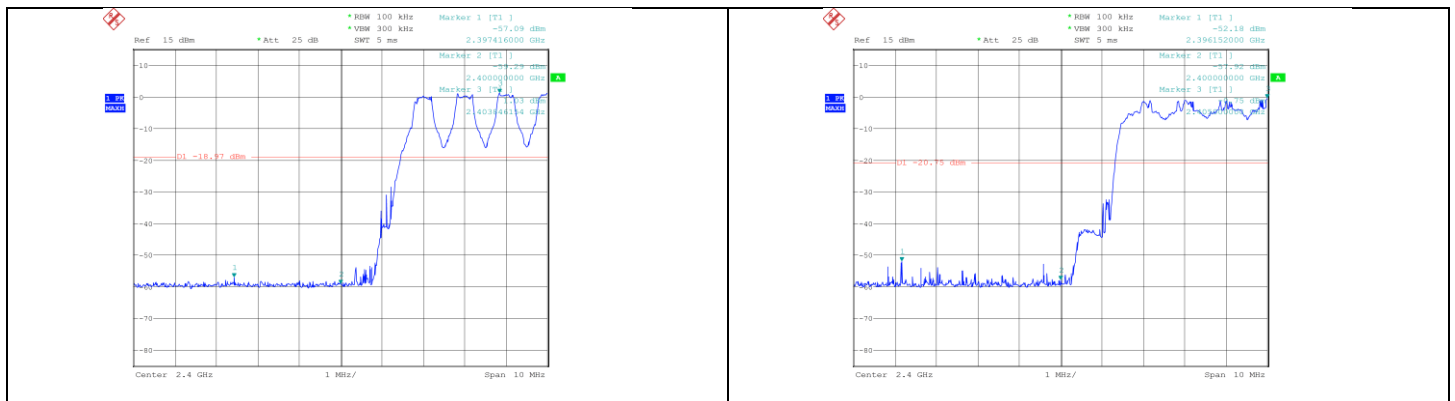
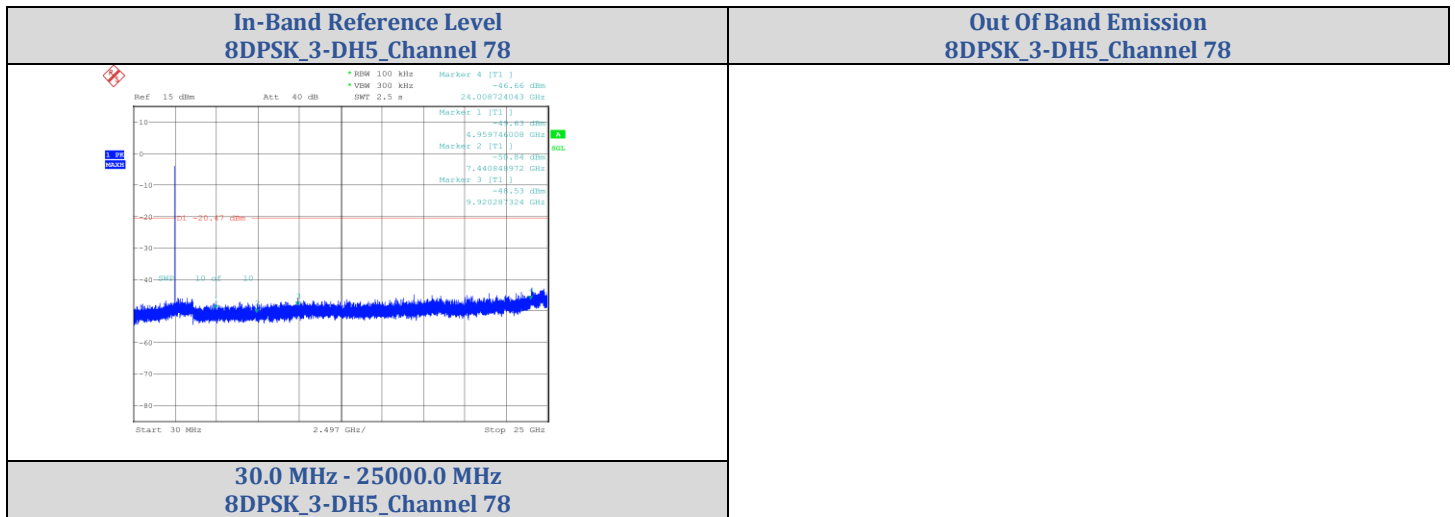


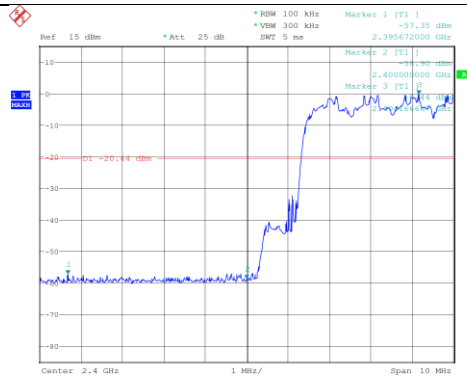
**Out Of Band Emission
8DPSK_3-DH5_Channel 39**



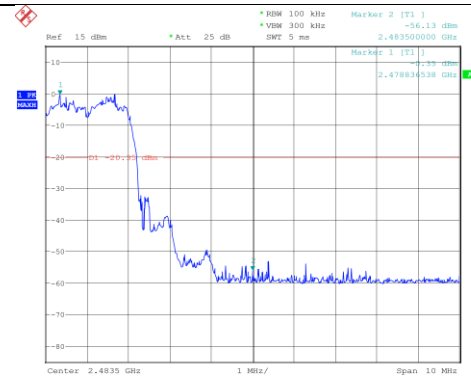
**30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39**







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



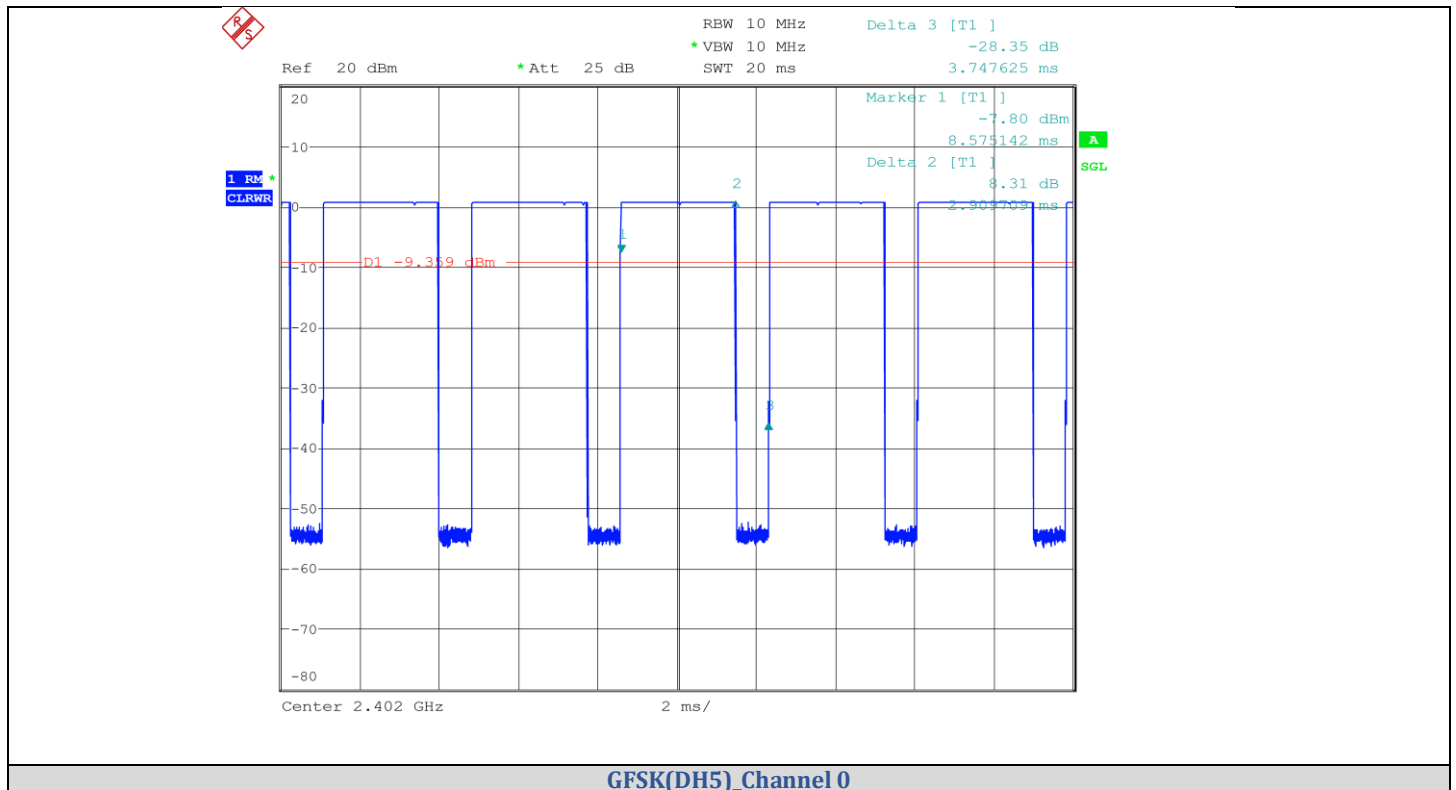
Out Of Band Emission(Right)
8DPSK_3-DH5_Channel Hopping

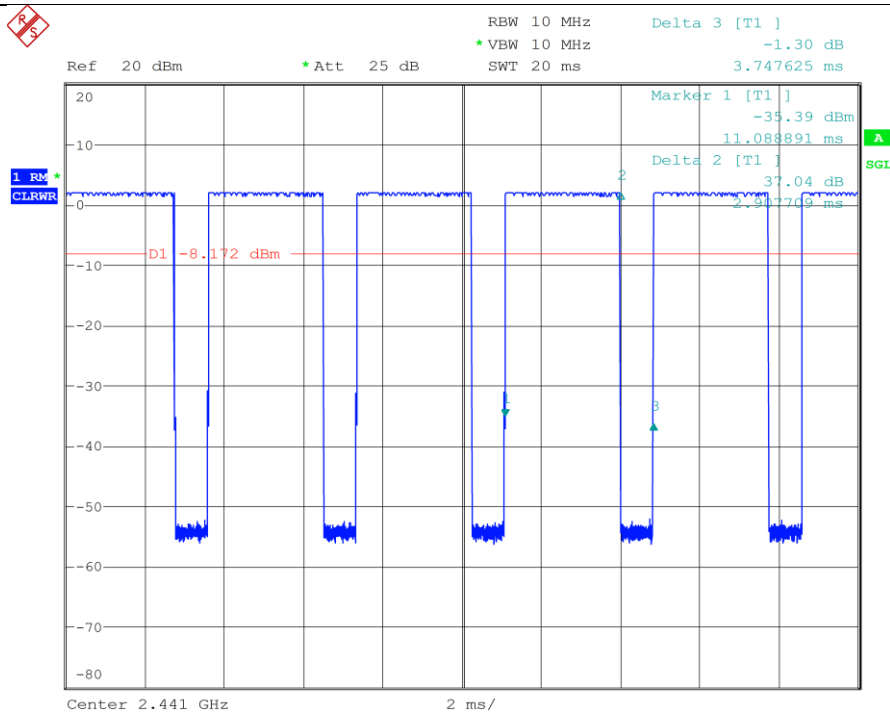
Duty Cycle

Test Result

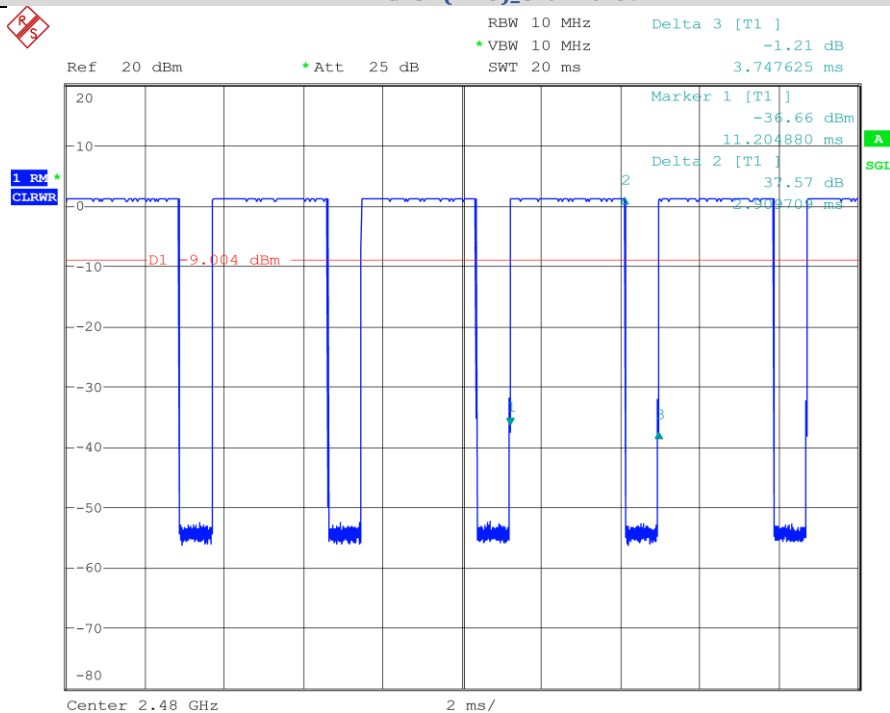
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.910	3.748	77.64	0.7764	1.0991
		39	2.908	3.748	77.59	0.7759	1.1019
		78	2.910	3.748	77.64	0.7764	1.0991
$\pi/4$ DQPSK	2-DH5	0	2.897	3.749	77.28	0.7728	1.1193
		39	2.899	3.749	77.31	0.7731	1.1176
		78	2.896	3.748	77.27	0.7727	1.1199
8DPSK	3-DH5	0	2.899	3.749	77.31	0.7731	1.1176
		39	2.896	3.749	77.25	0.7725	1.121
		78	2.897	3.749	77.28	0.7728	1.1193

Test Graphs

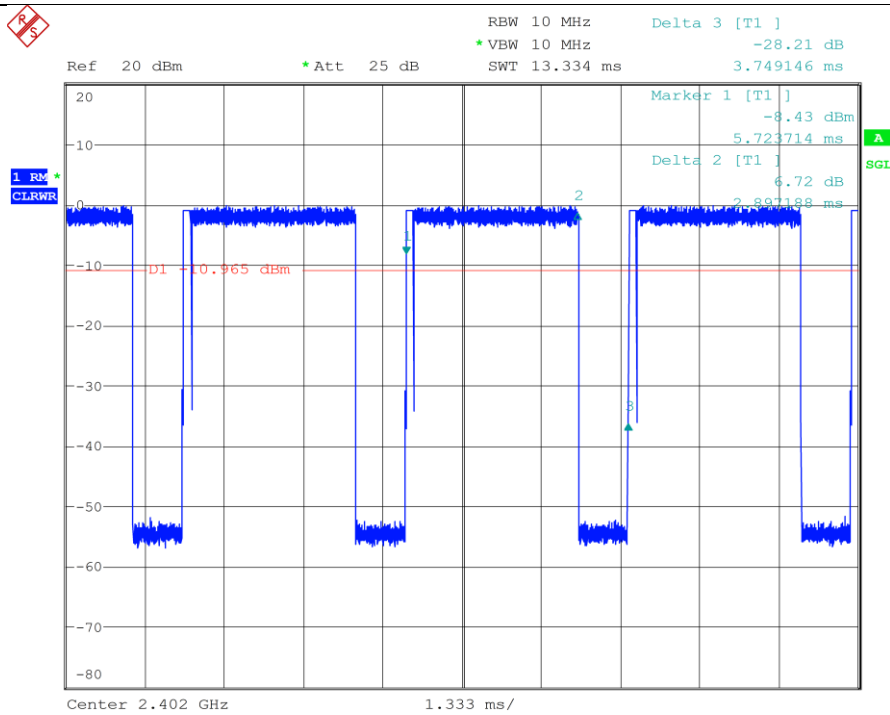




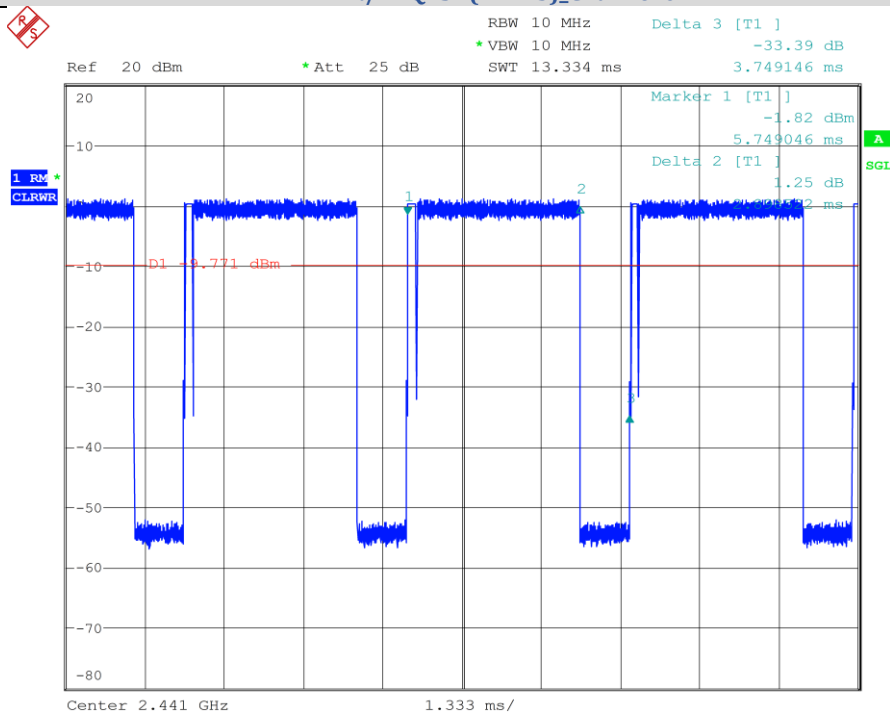
GFSK(DH5)_Channel 39



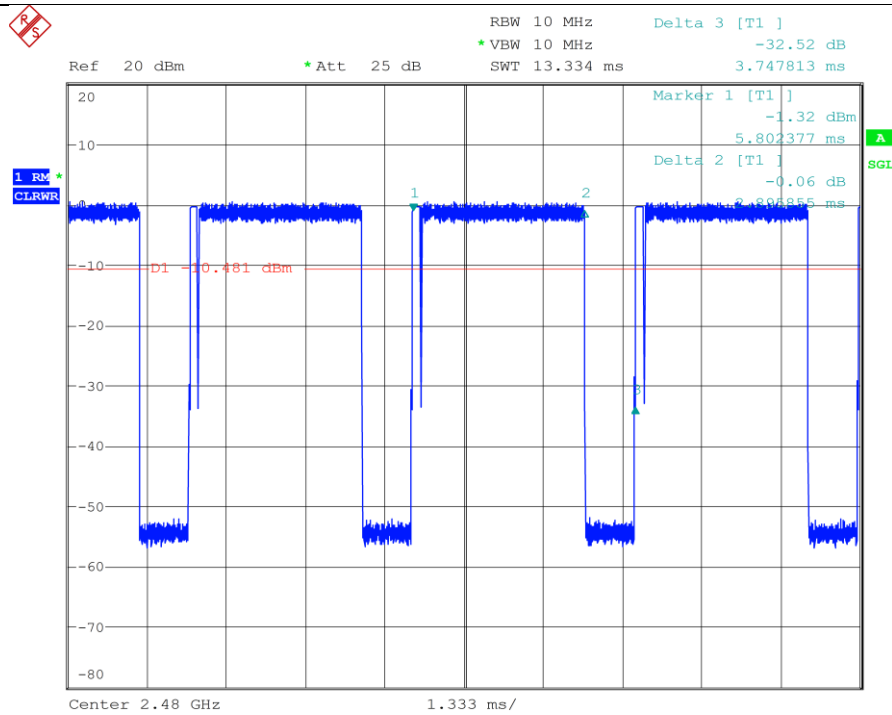
GFSK(DH5)_Channel 78



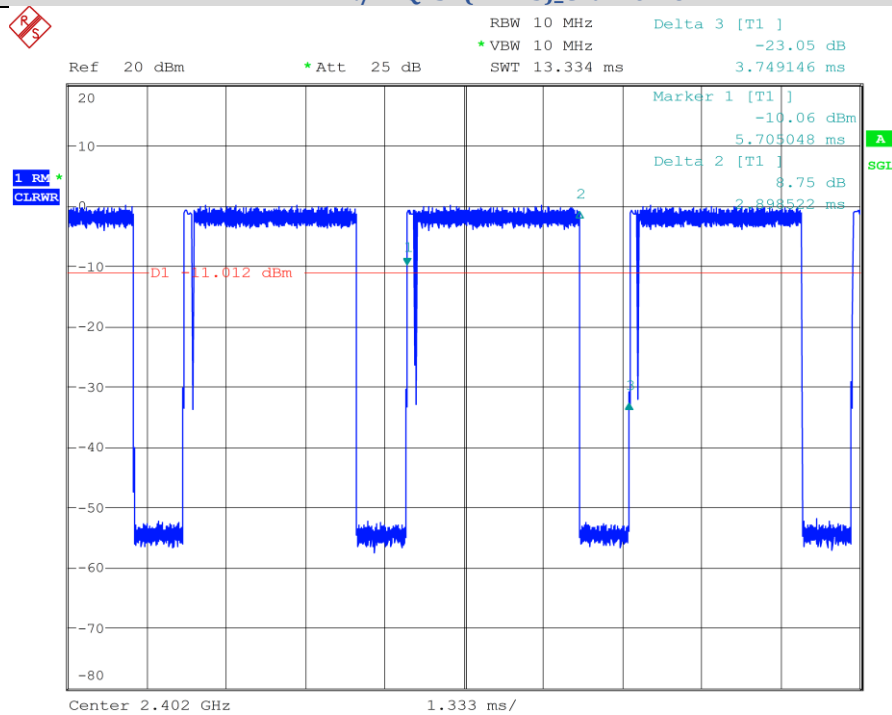
$\pi/4$ DQPSK(2-DH5)_Channel 0



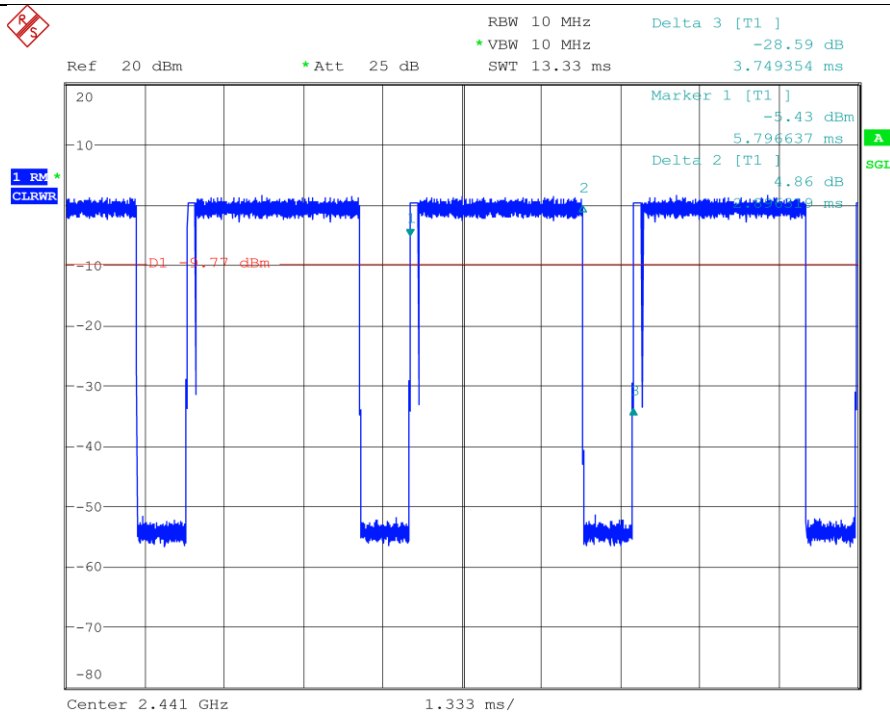
$\pi/4$ DQPSK(2-DH5)_Channel 39



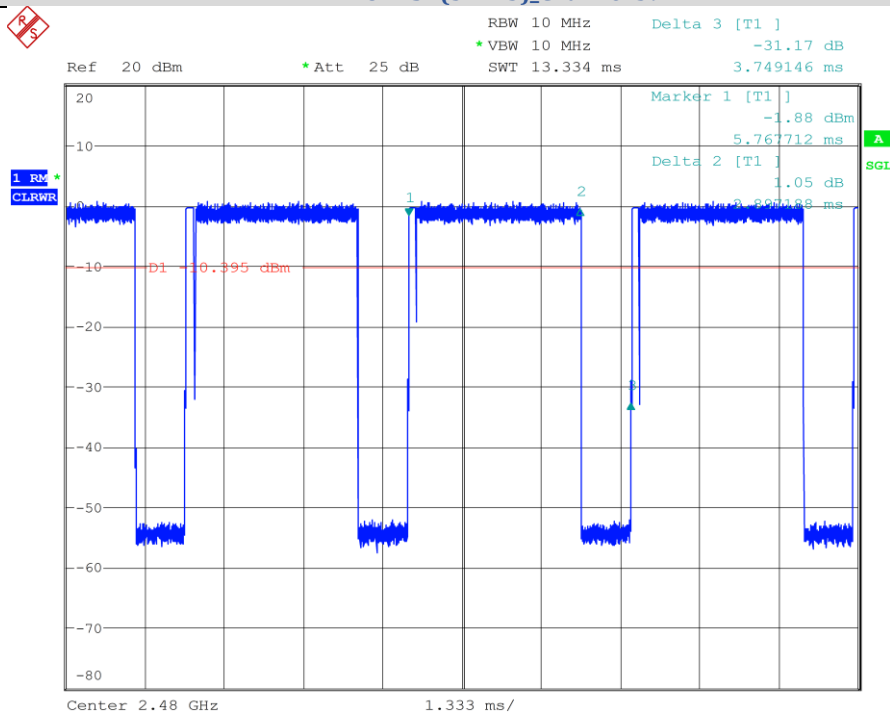
$\pi/4$ DQPSK(2-DH5)_Channel 78



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39



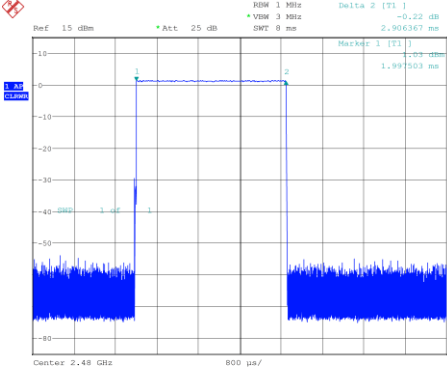
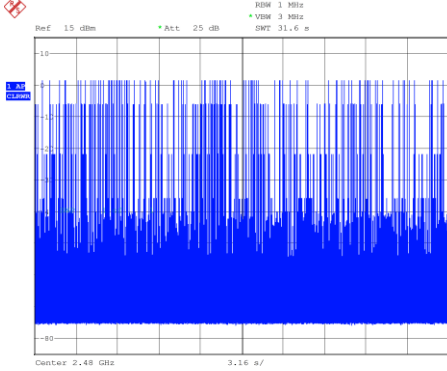
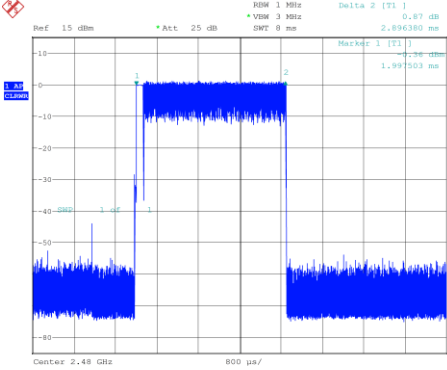
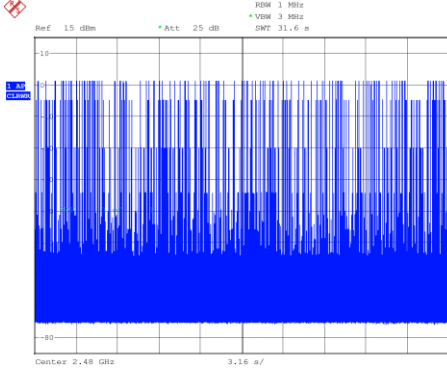
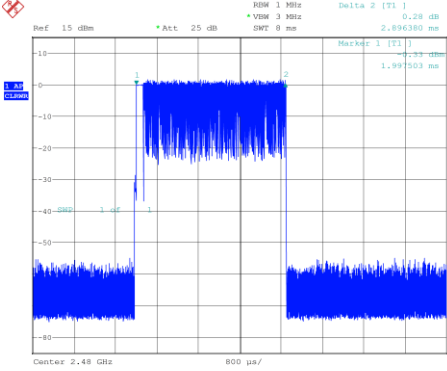
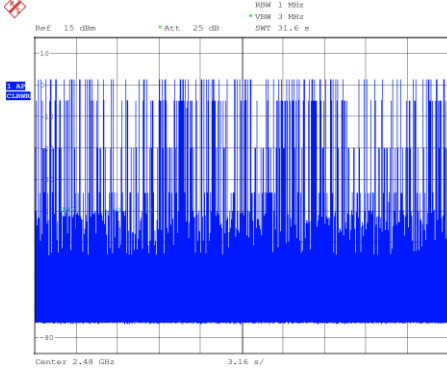
8DPSK(3-DH5)_Channel 78

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	102	296.45	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	121	350.46		PASS
8DPSK	3-DH5		2.896	109	315.71		PASS

Test Graphs

	
Pulse Width GFSK_DH5	Number of Pulses in 31.6 seconds GFSK_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



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

