

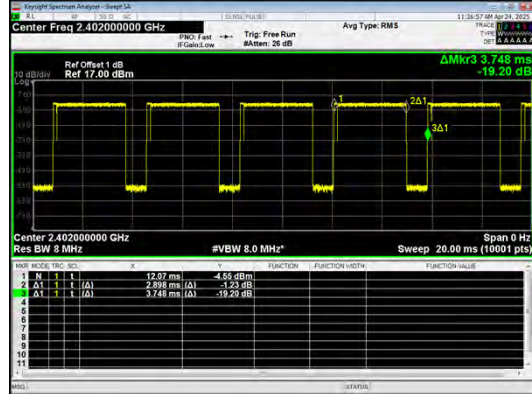
Duty Cycle Test Result

Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.908	3.748	77.59	0.7759	1.1019	0.3439
		39	2.908	3.748	77.59	0.7759	1.1019	0.3439
		78	2.908	3.748	77.59	0.7759	1.1019	0.3439
$\pi/4$ DQPSK	2-DH5	0	2.898	3.748	77.32	0.7732	1.1171	0.3451
		39	2.896	3.748	77.27	0.7727	1.1199	0.3453
		78	2.898	3.748	77.32	0.7732	1.1171	0.3451
8DPSK	3-DH5	0	2.898	3.748	77.32	0.7732	1.1171	0.3451
		39	2.896	3.748	77.27	0.7727	1.1199	0.3453
		78	2.898	3.748	77.32	0.7732	1.1171	0.3451

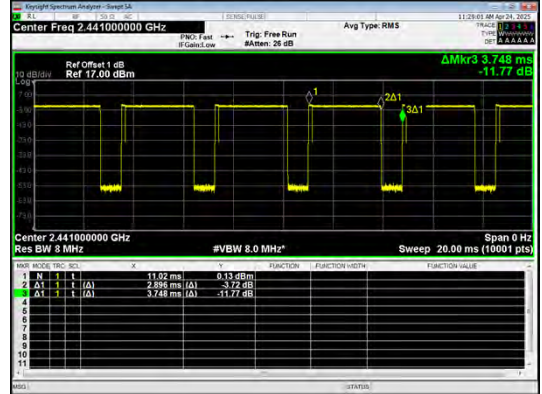
Test Graphs



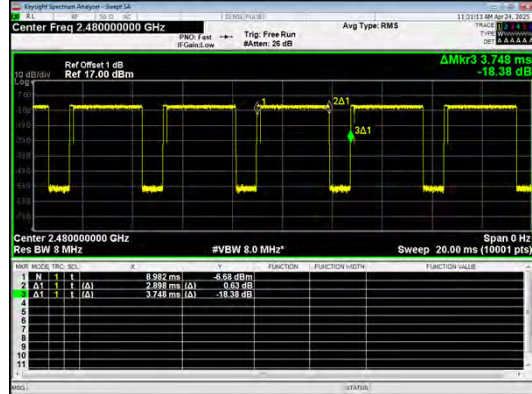
$\pi/4$ DQPSK(2-DH5)_Channel 39



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



8DPSK(3-DH5)_Channel 0



8DPSK(3-DH5)_Channel 39

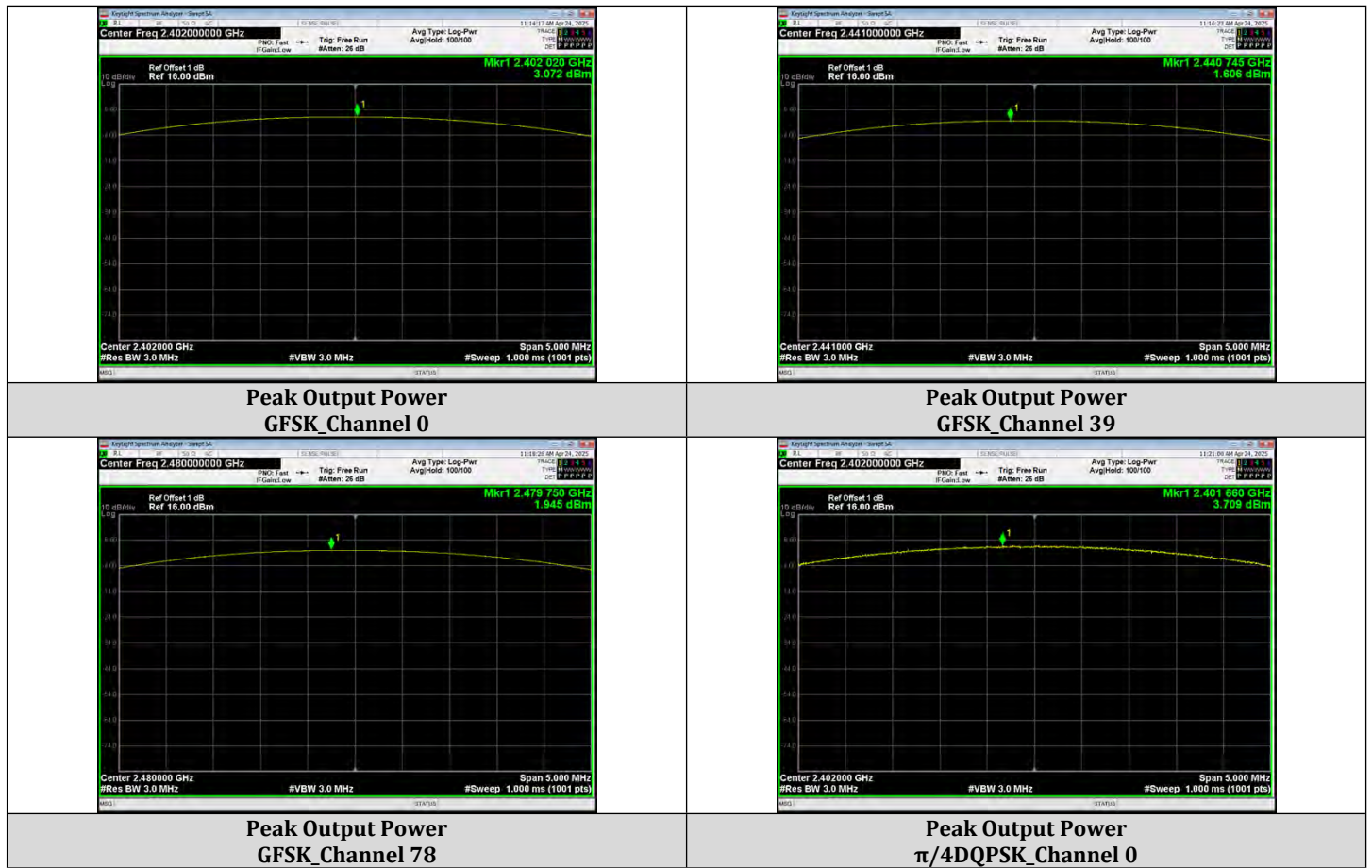
8DPSK(3-DH5)_Channel 78

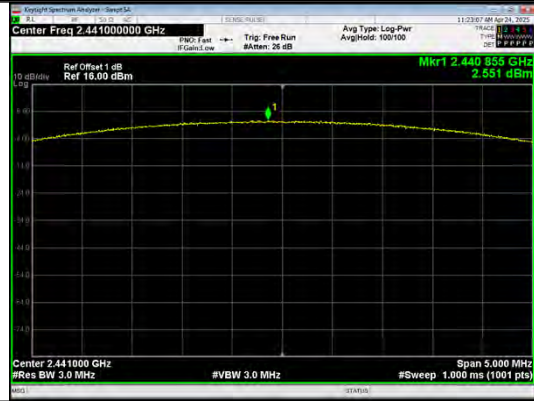
Conducted Output Power

Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	DH5	0	3.07	2.03	≤30	PASS
		39	1.61	1.45		PASS
		78	1.95	1.56		PASS
$\pi/4$ DQPSK	2-DH5	0	3.71	2.35	≤20.97	PASS
		39	2.55	1.80		PASS
		78	2.48	1.77		PASS
8DPSK	3-DH5	0	3.93	2.47		PASS
		39	2.76	1.89		PASS
		78	2.70	1.86		PASS

Test Graphs

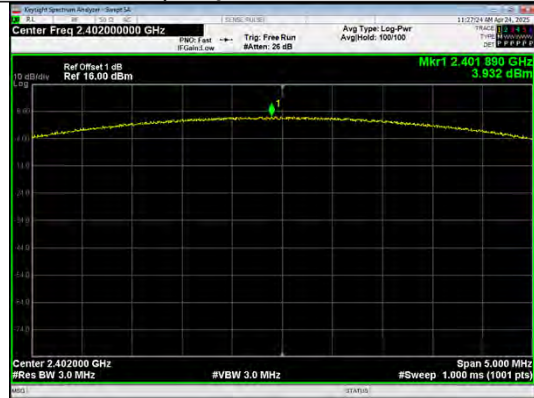




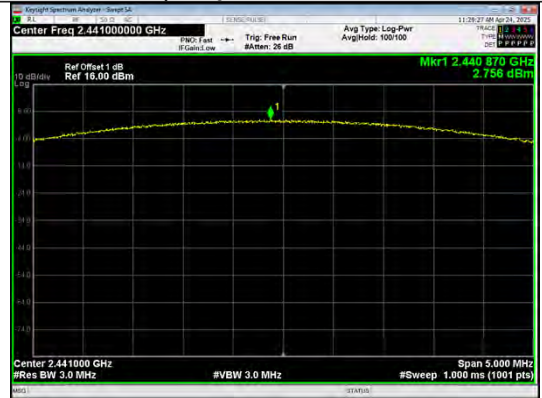
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



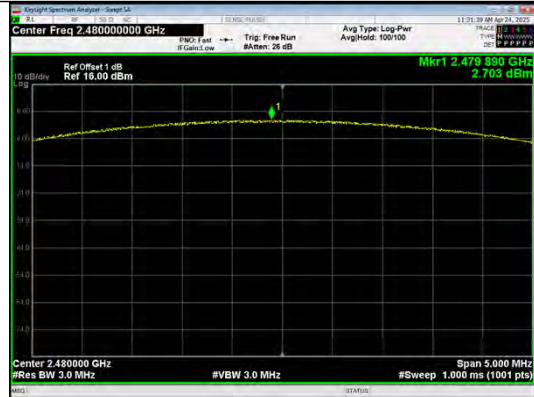
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



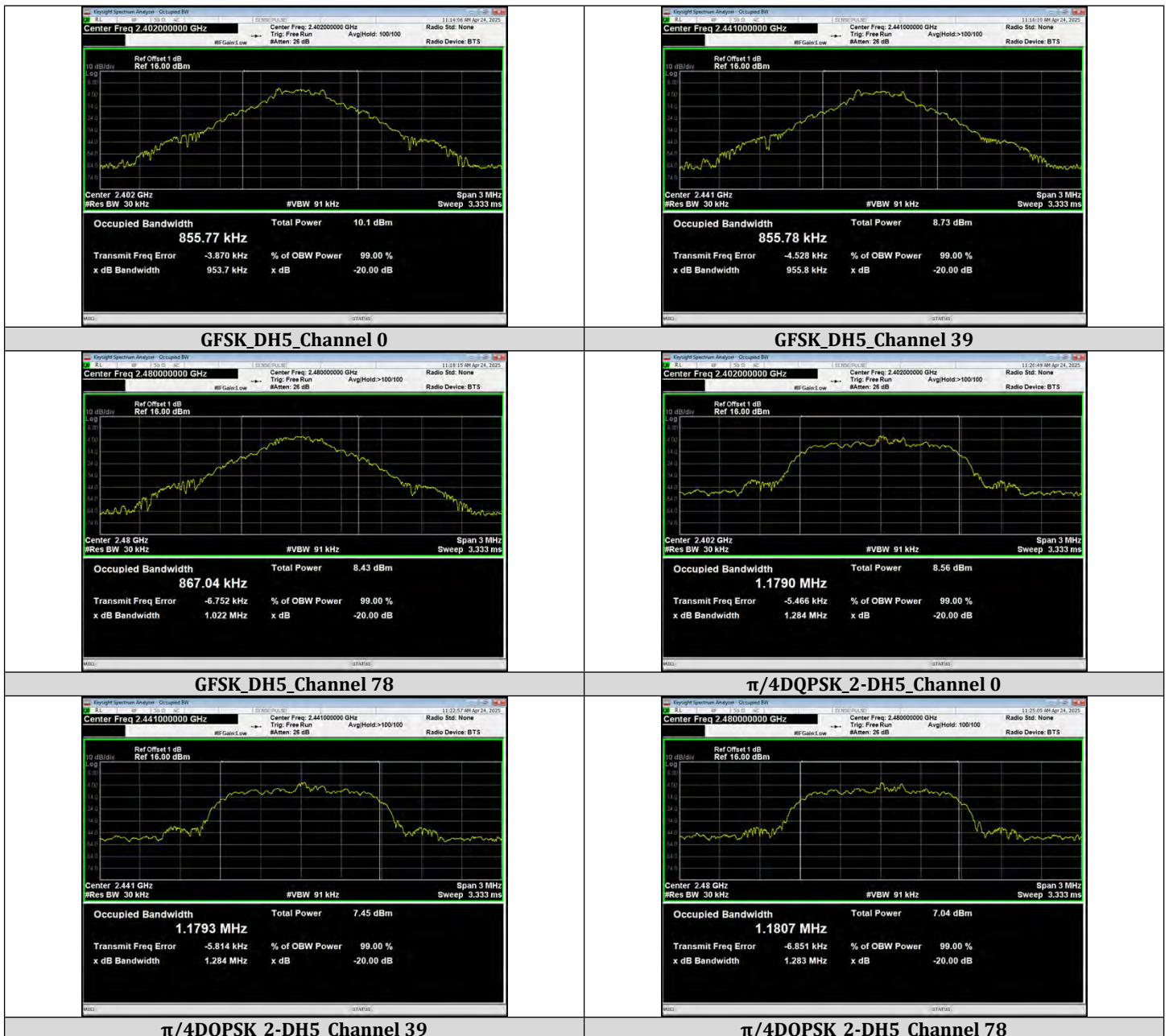
Peak Output Power
8DPSK_Channel 39



Peak Output Power
8DPSK_Channel 78

**20dB Bandwidth****Test Result**

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9537
	39	2441 MHz	0.9558
	78	2480 MHz	1.022
$\pi/4$ DQPSK	0	2402 MHz	1.284
	39	2441 MHz	1.284
	78	2480 MHz	1.283
8DPSK	0	2402 MHz	1.297
	39	2441 MHz	1.296
	78	2480 MHz	1.297

Test Graphs



8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



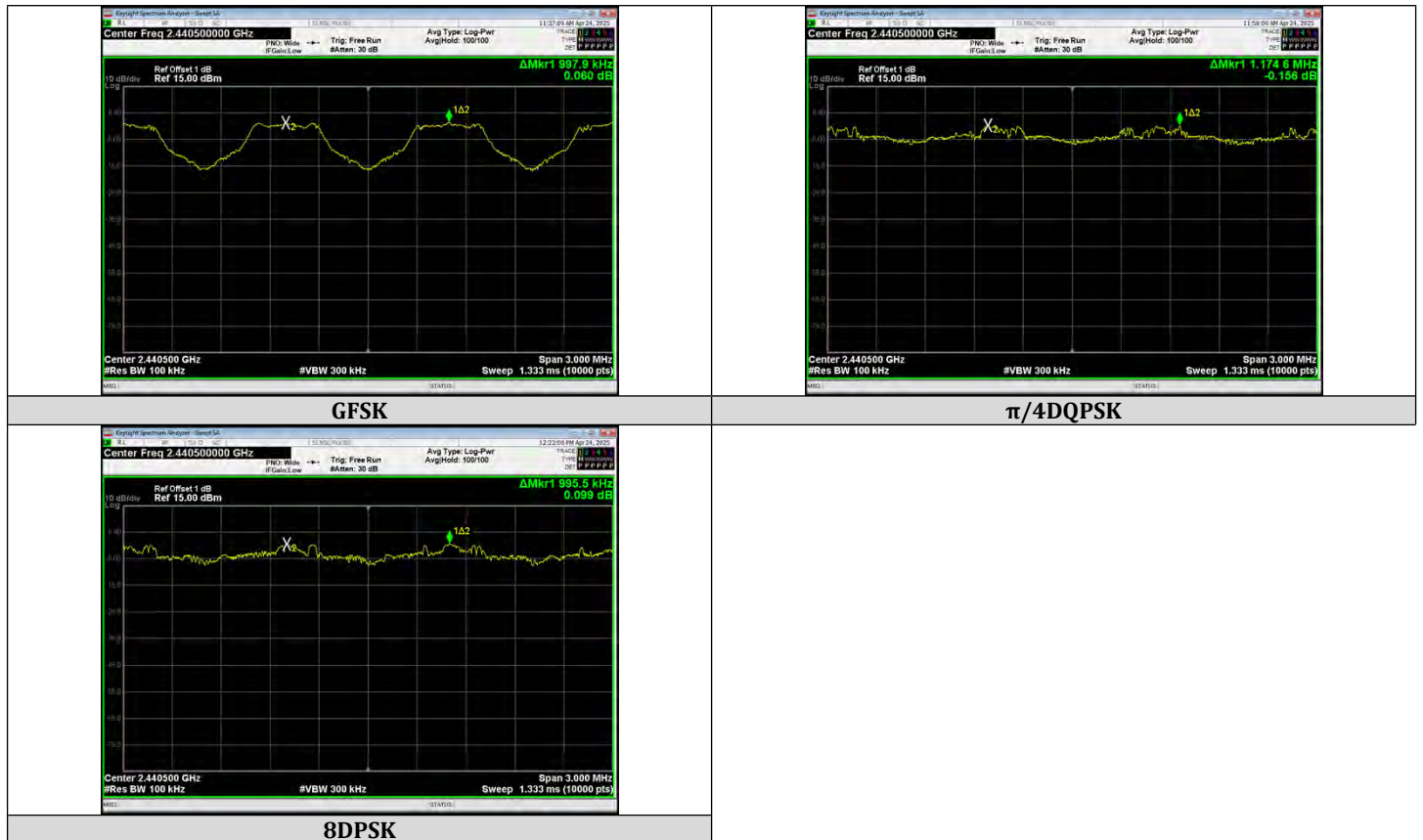
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.9964	2440.9943	0.9979	0.681	PASS
$\pi/4$ DQPSK	2-DH5	2439.9829	2441.1575	1.1746	0.856	PASS
8DPSK	3-DH5	2440.0021	2440.9976	0.9955	0.865	PASS

Test Graphs

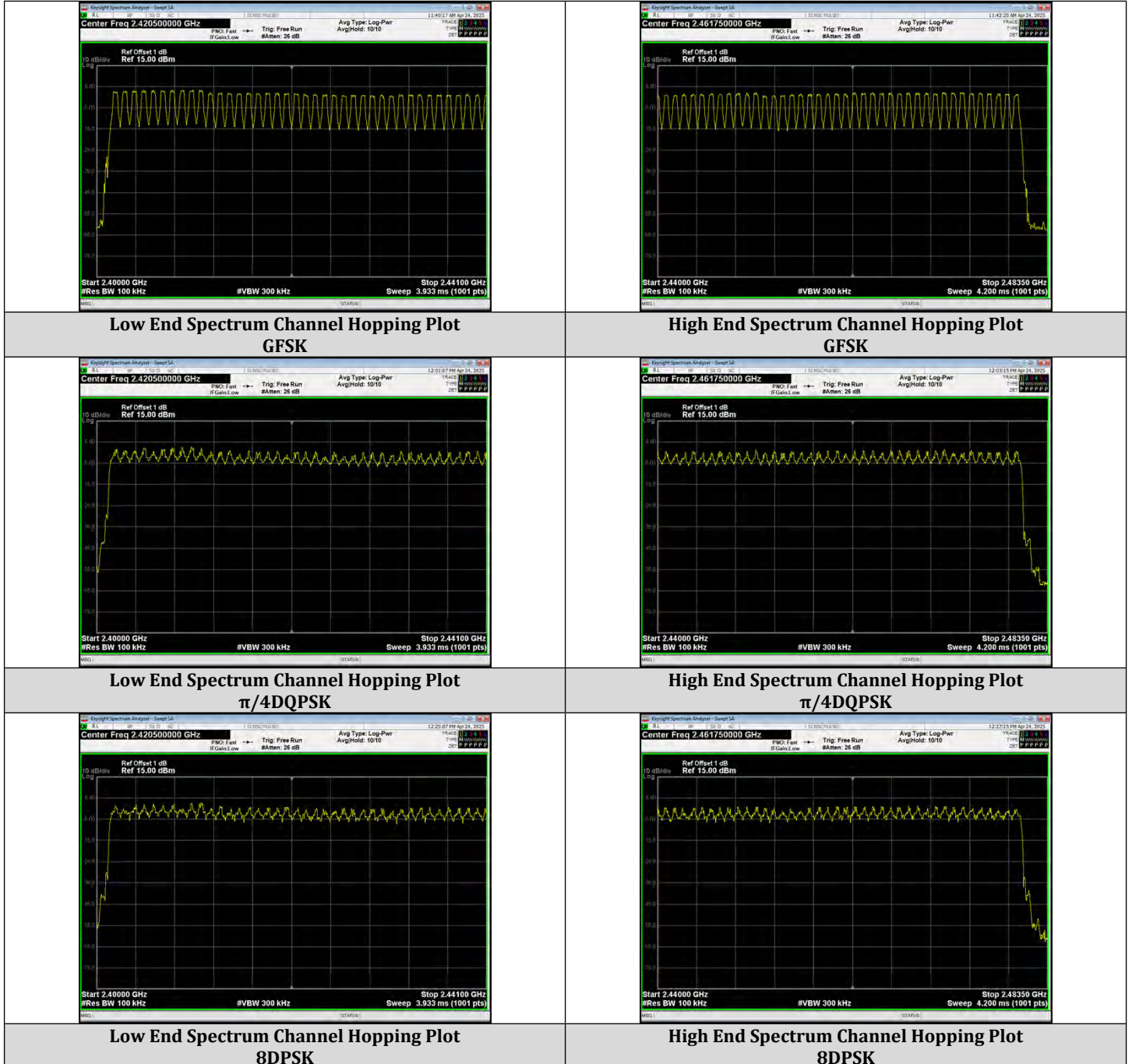


Number Of Hopping Channel

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

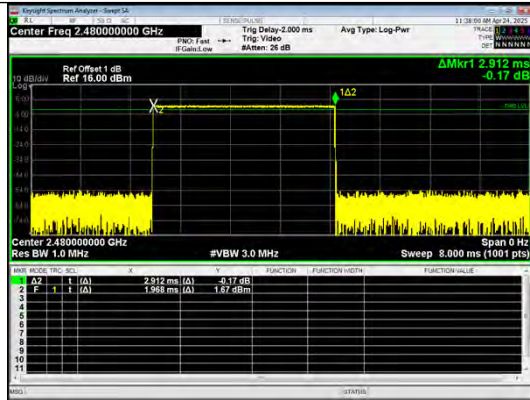


Dwell Time

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)	2.912	102	297.02	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	111	321.46		PASS
8DPSK	3-DH5		2.896	108	312.77		PASS

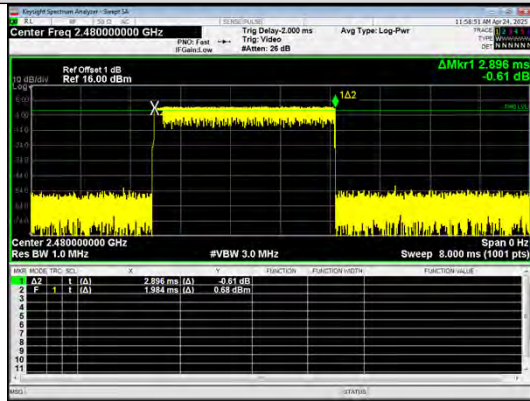
Test Graphs



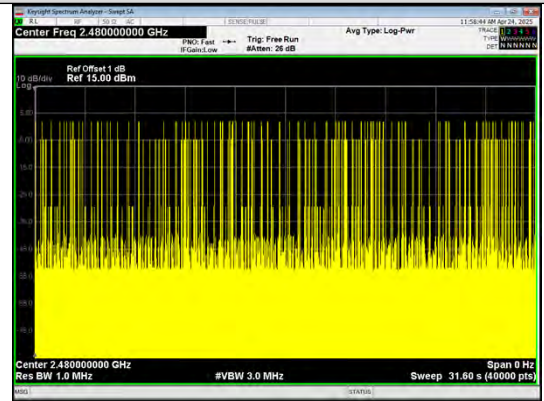
**Pulse Width
GFSK_DH5**



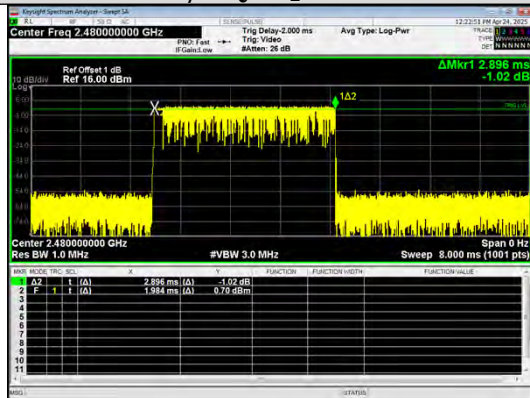
**Number of Pulses in 31.6 seconds
GFSK_DH5**



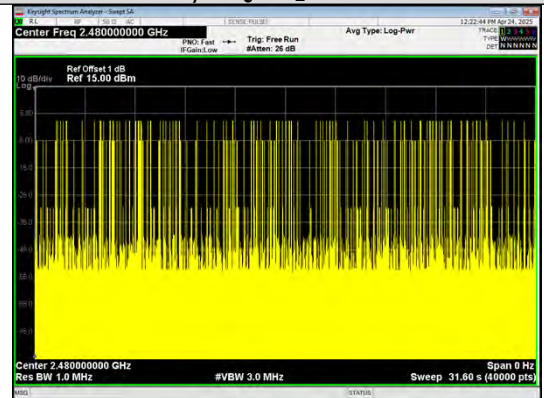
**Pulse Width
 $\pi/4$ DQPSK_2-DH5**



**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**

Conducted Out Of Band Emission

Test Result

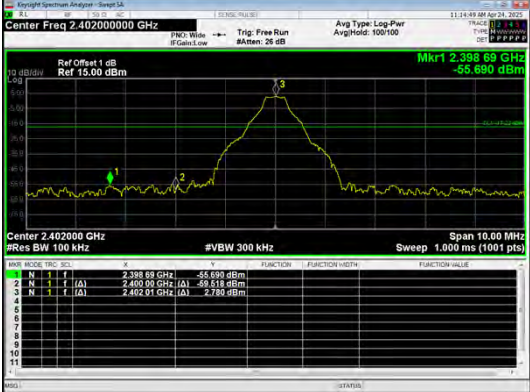
Non-Hopping

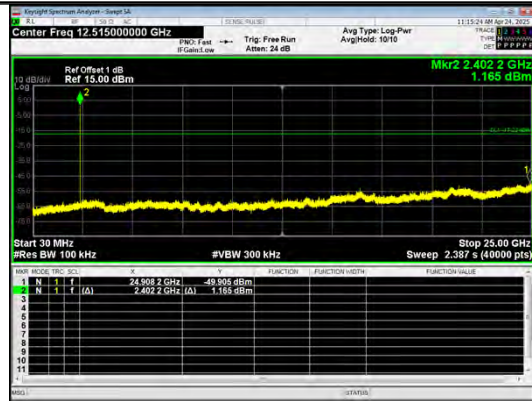
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2398.69	-55.690	-17.22	-38.470	PASS
			2400.00	-59.518	-17.22	-42.298	PASS
			24908.2	-49.905	-17.22	-32.685	PASS
		39	24983.1	-49.811	-18.64	-31.171	PASS
		78	2483.50	-59.386	-18.34	-41.046	PASS
			24352.6	-49.454	-18.34	-31.114	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-54.061	-18.31	-35.751	PASS
			24380.7	-49.774	-18.31	-31.464	PASS
		39	24968.2	-49.131	-19.47	-29.661	PASS
		78	2483.50	-58.857	-19.5	-39.357	PASS
			24890.8	-50.065	-19.5	-30.565	PASS
8DPSK	3-DH5	0	2400.00	-53.994	-18.31	-35.684	PASS
			24928.8	-49.468	-18.31	-31.158	PASS
		39	24937.6	-49.985	-19.87	-30.115	PASS
		78	2483.50	-61.931	-19.46	-42.471	PASS
			24843.9	-49.889	-19.46	-30.429	PASS

Hopping

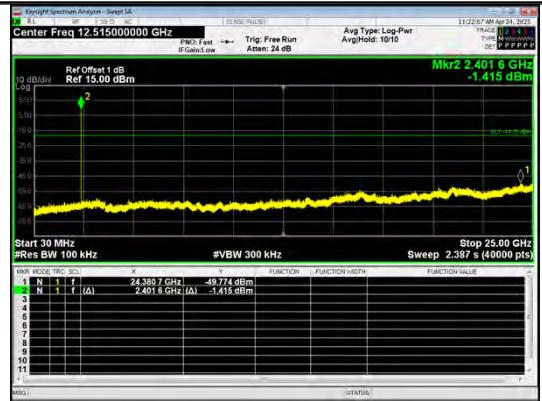
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2400.00	-57.752	-16.9	-40.852	PASS
			2483.50	-61.752	-18.31	-43.442	PASS
$\pi/4$ DQPSK	2-DH5		2400.00	-54.056	-17.93	-36.126	PASS
			2483.50	-60.817	-19.51	-41.307	PASS
8DPSK	3-DH5		2400.00	-54.170	-17.91	-36.260	PASS
			2483.50	-58.437	-19.3	-39.137	PASS

Test Graphs

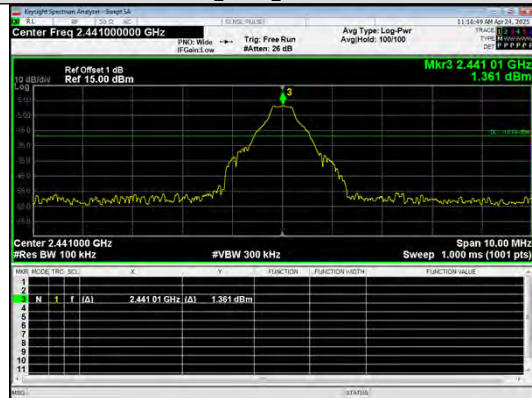
	
Out Of Band Emission GFSK_DH5_Channel 0	Out Of Band Emission $\pi/4$DQPSK_2-DH5_Channel 0



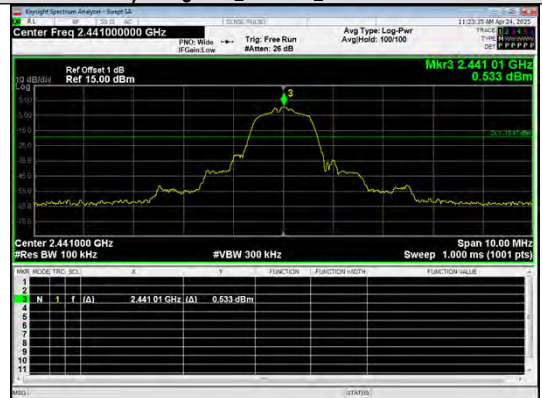
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



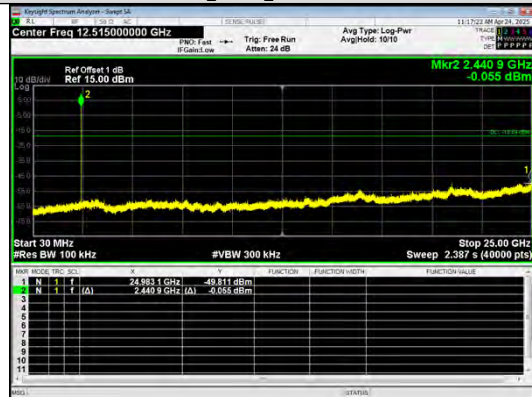
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



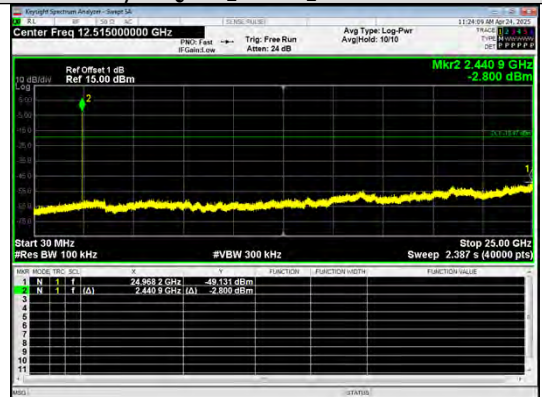
Out Of Band Emission
GFSK_DH5_Channel 39



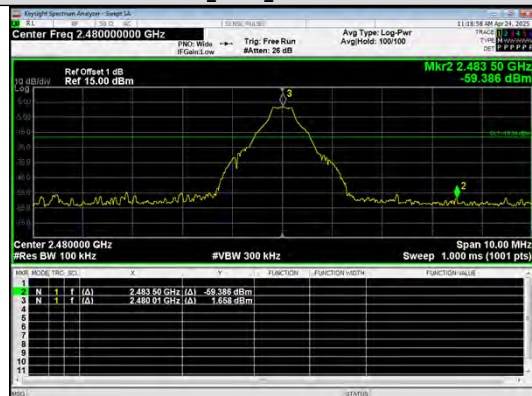
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39



30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39



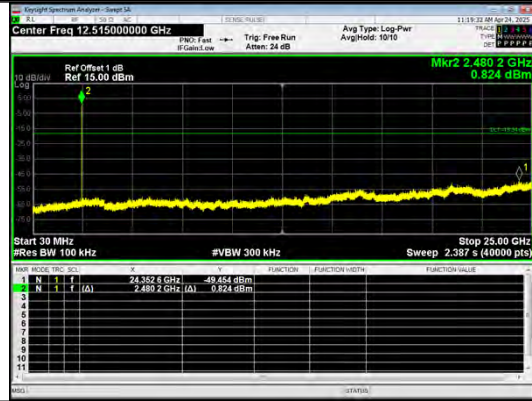
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39



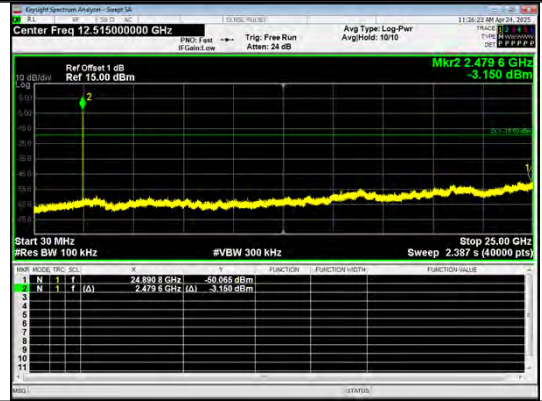
Out Of Band Emission
GFSK_DH5_Channel 78



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



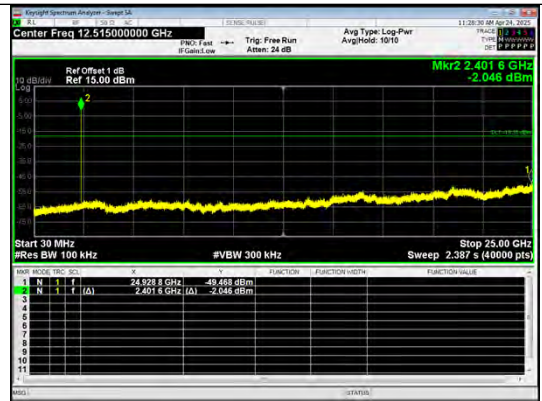
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78



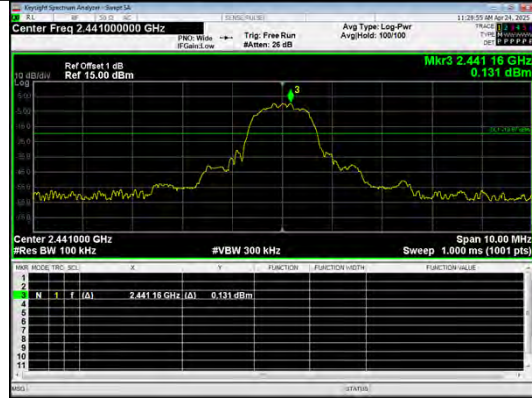
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



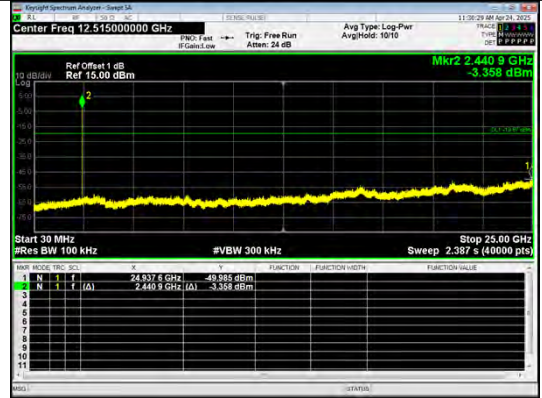
Out Of Band Emission
8DPSK_3-DH5_Channel 0



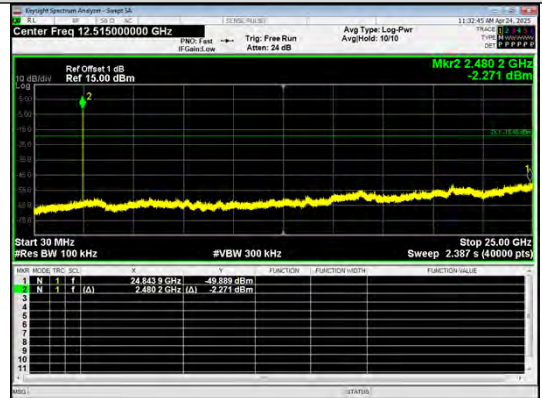
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0

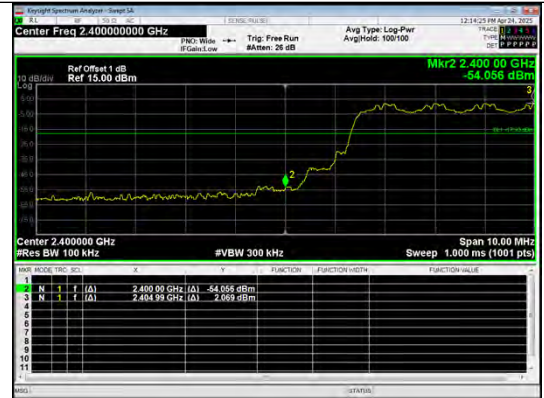


Out Of Band Emission
8DPSK_3-DH5_Channel 39



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(Left)
 $\pi/4$ DQPSK_2-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**

***** End of Report *****