

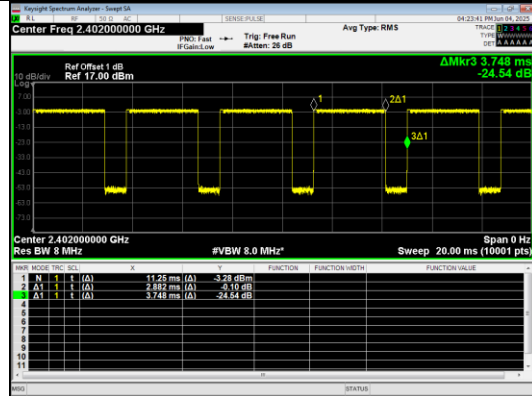
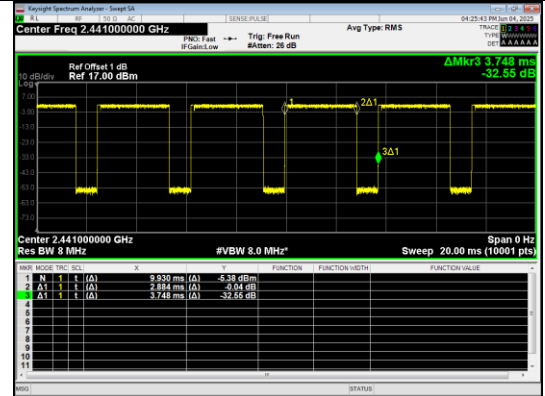
Duty Cycle

Test Result

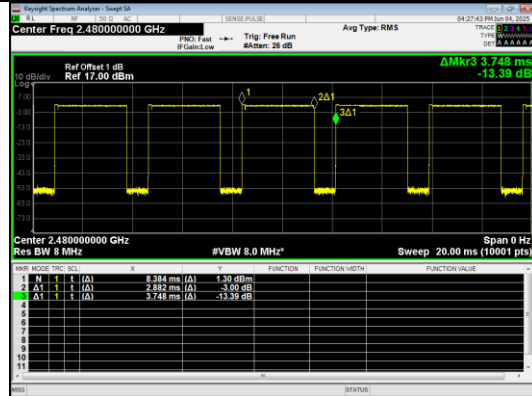
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.894	3.748	77.21	0.7721	1.1233	0.3455
		39	2.894	3.748	77.21	0.7721	1.1233	0.3455
		78	2.896	3.748	77.27	0.7727	1.1199	0.3453
$\pi/4$ DQPSK	2-DH5	0	2.884	3.748	76.95	0.7695	1.1379	0.3467
		39	2.884	3.748	76.95	0.7695	1.1379	0.3467
		78	2.884	3.748	76.95	0.7695	1.1379	0.3467
8DPSK	3-DH5	0	2.882	3.748	76.89	0.7689	1.1413	0.3470
		39	2.884	3.748	76.95	0.7695	1.1379	0.3467
		78	2.882	3.748	76.89	0.7689	1.1413	0.3470

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



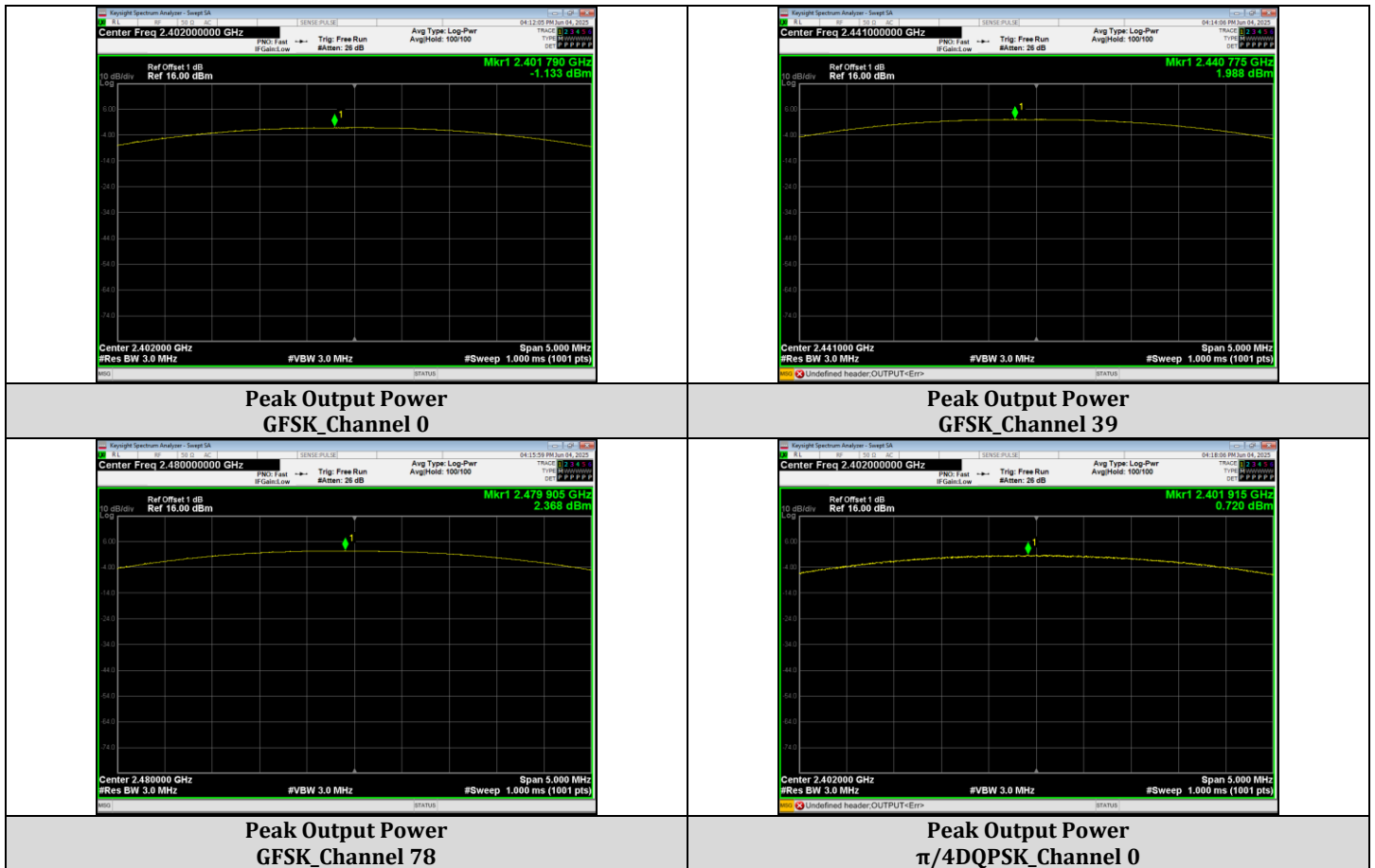
8DPSK(3-DH5)_Channel 78

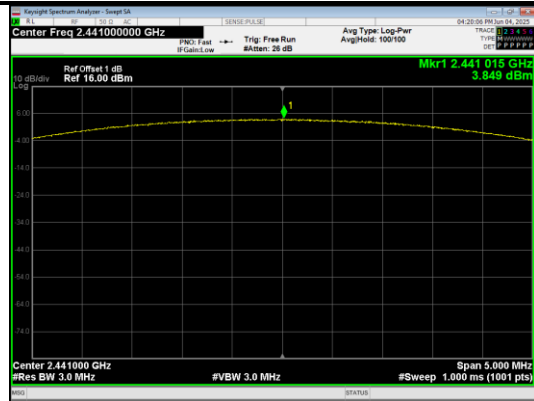
Conducted Output Power

Test Result

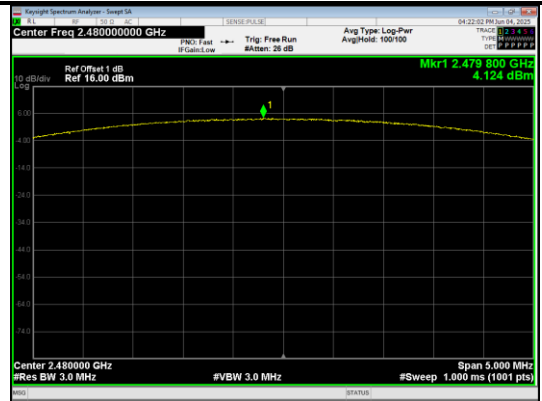
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	DH5	0	-1.13	≤30	PASS
		39	1.99		PASS
		78	2.37		PASS
$\pi/4$ DQPSK	2-DH5	0	0.72	≤20.97	PASS
		39	3.85		PASS
		78	4.12		PASS
8DPSK	3-DH5	0	1.13		PASS
		39	4.25		PASS
		78	4.50		PASS

Test Graphs

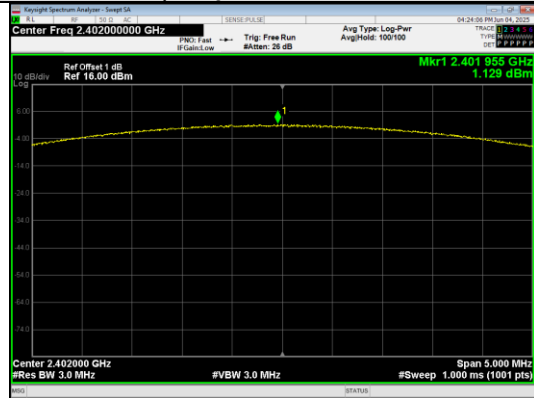




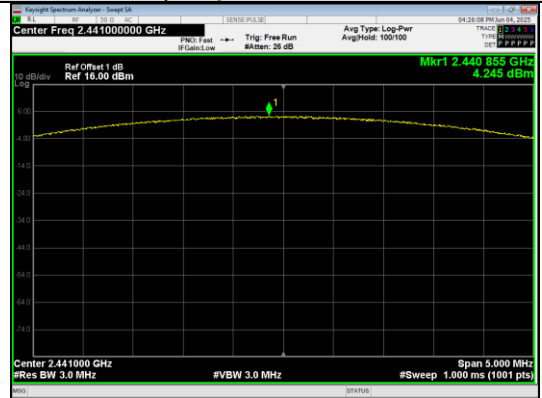
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



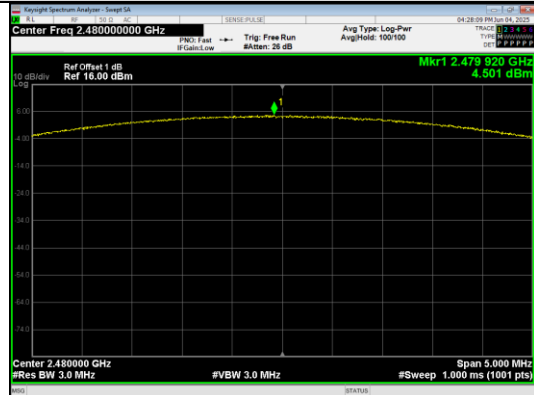
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



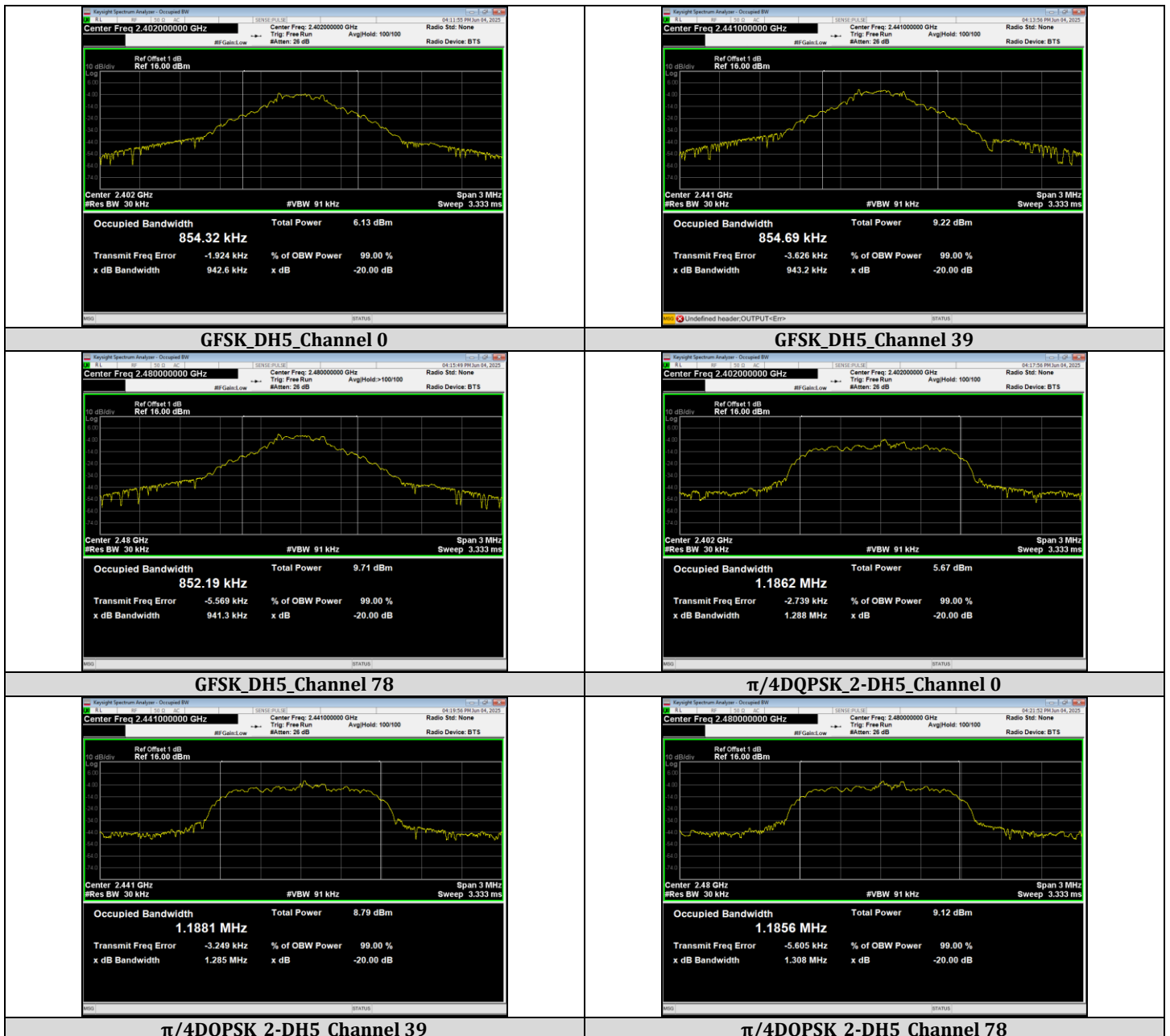
Peak Output Power
8DPSK_Channel 78

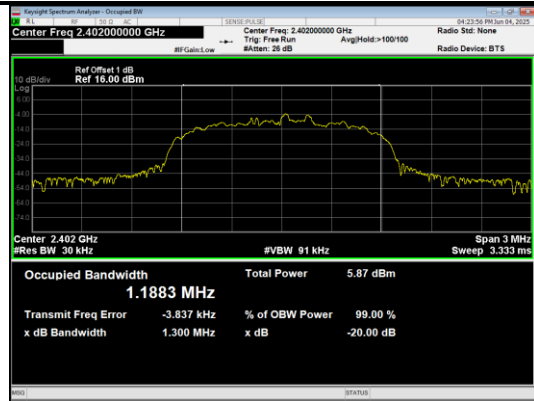
20dB Bandwidth

Test Result

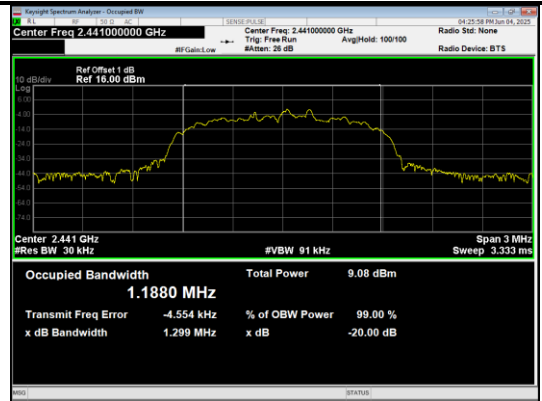
Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.9426
	39	2441 MHz	0.9432
	78	2480 MHz	0.9413
$\pi/4$ DQPSK	0	2402 MHz	1.288
	39	2441 MHz	1.285
	78	2480 MHz	1.308
8DPSK	0	2402 MHz	1.300
	39	2441 MHz	1.299
	78	2480 MHz	1.302

Test Graphs

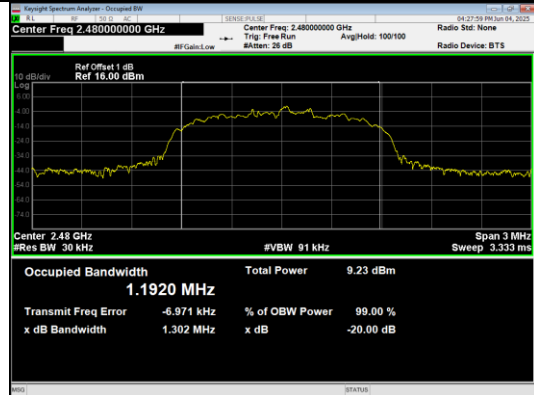




8DPSK_3-DH5_Channel 0



8DPSK_3-DH5_Channel 39



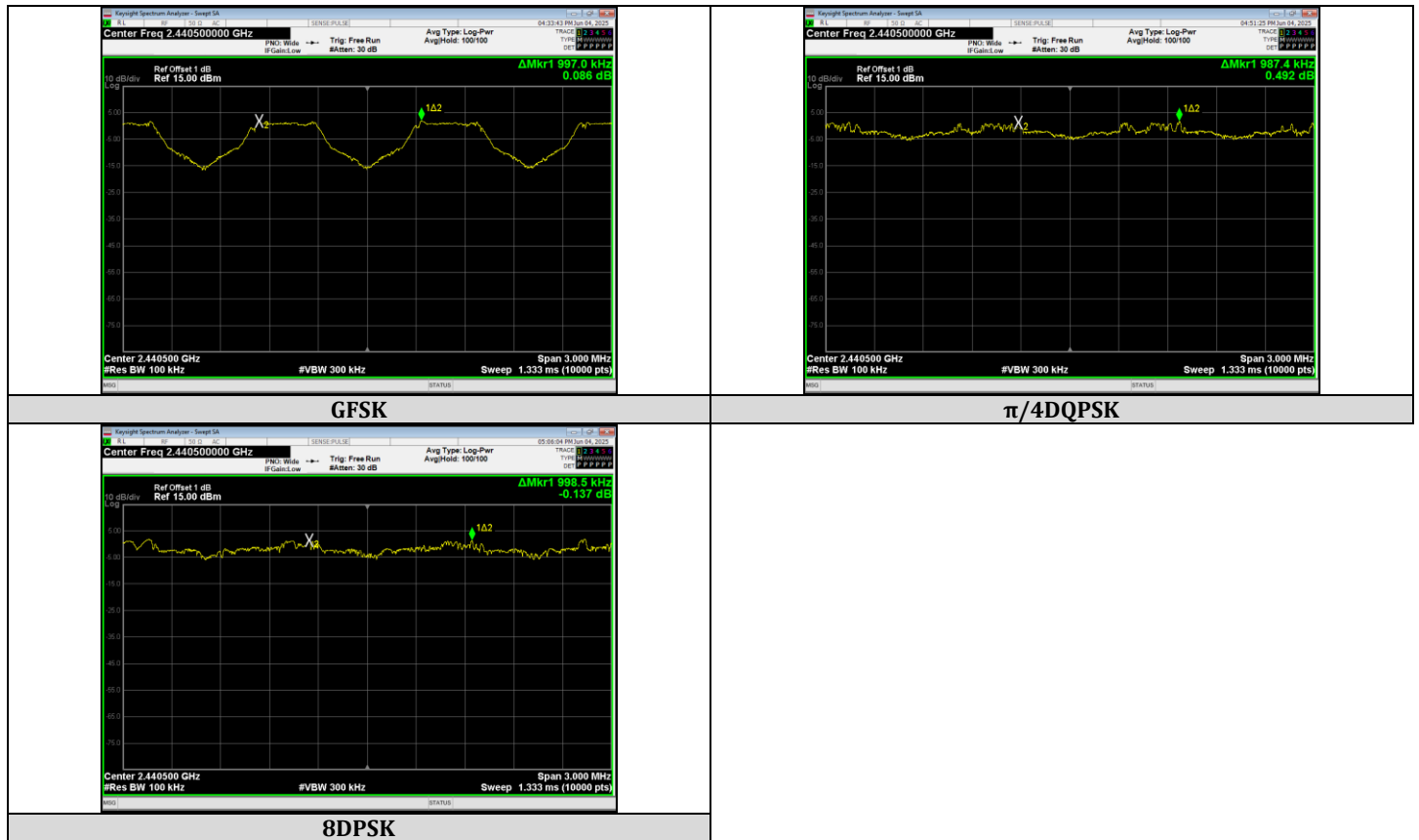
8DPSK_3-DH5_Channel 78

Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2439.8347	2440.8317	0.9970	0.629	PASS
$\pi/4$ DQPSK	2-DH5	2440.1842	2441.1716	0.9874	0.872	PASS
8DPSK	3-DH5	2440.1425	2441.141	0.9985	0.868	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

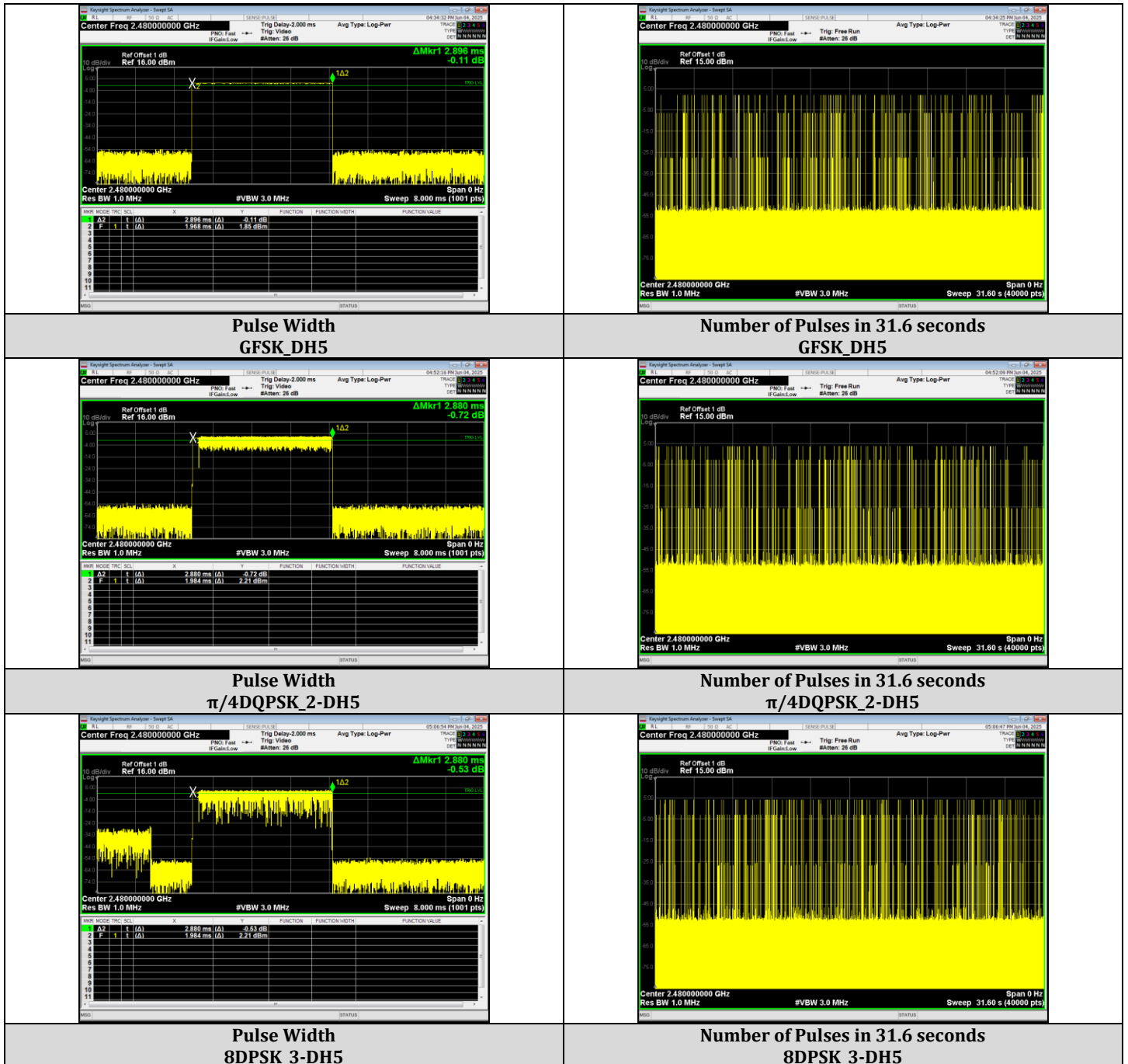


Dwell Time

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)	2.896	100	289.6	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.880	98	282.24		PASS
8DPSK	3-DH5		2.880	115	331.2		PASS

Test Graphs



Conducted Out Of Band Emission

Test Result

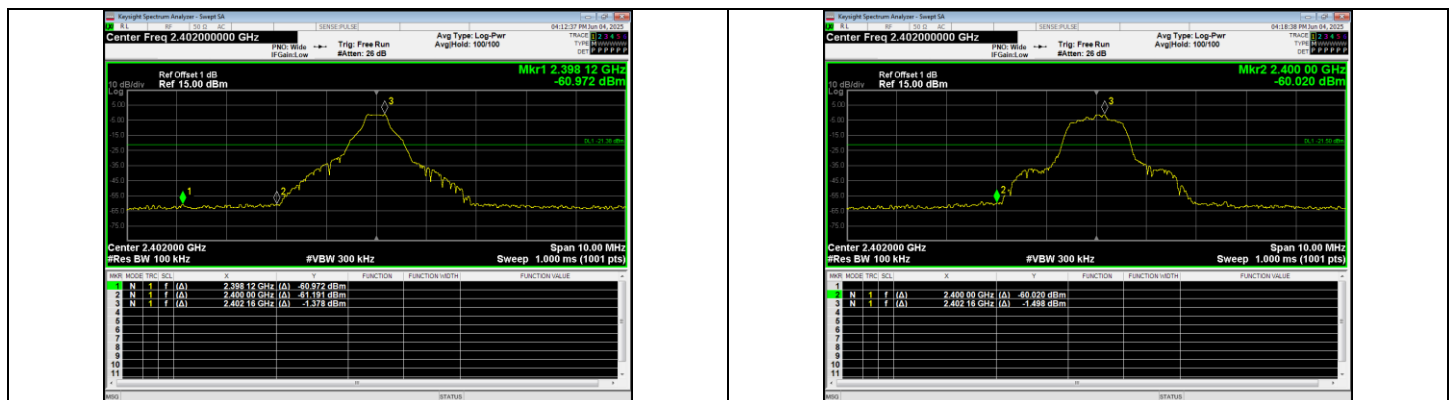
Non-Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	0	2398.12	-60.972	-21.38	-39.592	PASS
			2400.00	-61.191	-21.38	-39.811	PASS
			24949.4	-49.542	-21.38	-28.162	PASS
		39	24974.4	-49.423	-18.16	-31.263	PASS
			78	2483.50	-61.436	-17.85	-43.586
		24918.8		-49.321	-17.85	-31.471	PASS
π/4DQPSK	2-DH5	0	2400.00	-60.020	-21.5	-38.520	PASS
			24948.2	-49.959	-21.5	-28.459	PASS
		39	24946.3	-50.367	-18.32	-32.047	PASS
		78	2483.50	-59.580	-18.02	-41.560	PASS
			24934.5	-50.038	-18.02	-32.018	PASS
		8DPSK	3-DH5	0	2397.99	-59.933	-21.42
2400.00	-60.642				-21.42	-39.222	PASS
24350.8	-50.249				-21.42	-28.829	PASS
39	24360.8			-49.120	-18.48	-30.640	PASS
	78			2483.50	-61.717	-18.05	-43.667
24176.0				-49.789	-18.05	-31.739	PASS

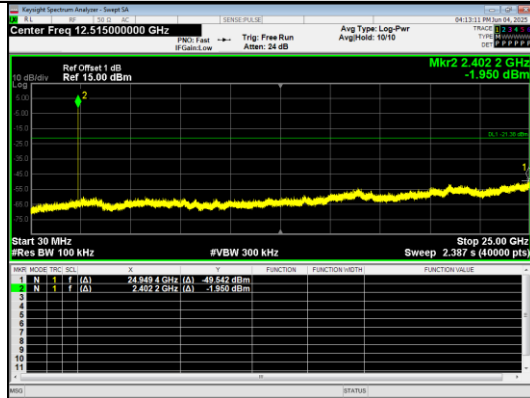
Hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2396.51	-60.432	-20.99	-39.442	PASS
			2400.00	-61.667	-20.99	-40.677	PASS
			2483.50	-62.506	-17.6	-44.906	PASS
$\pi/4$ DQPSK	2-DH5		2395.58	-60.578	-21.22	-39.358	PASS
			2400.00	-61.348	-21.22	-40.128	PASS
			2483.50	-61.706	-18.04	-43.666	PASS
8DPSK	3-DH5		2398.64	-61.012	-21.15	-39.862	PASS
			2400.00	-62.166	-21.15	-41.016	PASS
			2483.50	-61.152	-17.56	-43.592	PASS

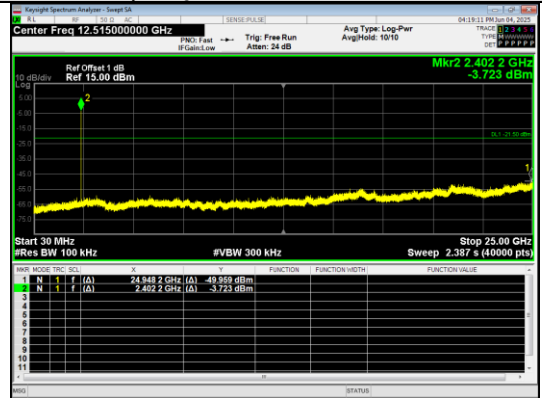
Test Graphs



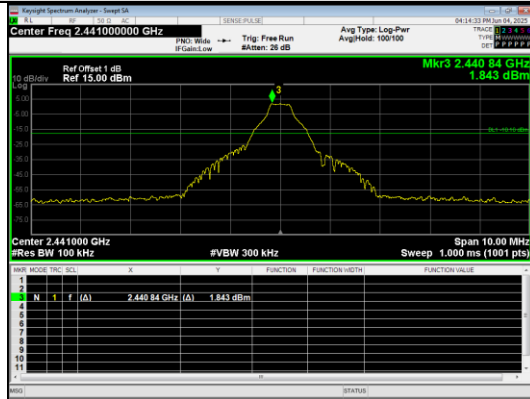
Out Of Band Emission GFSK_DH5_Channel 0



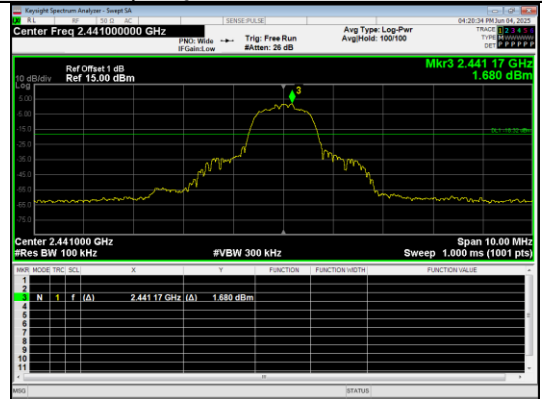
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 0



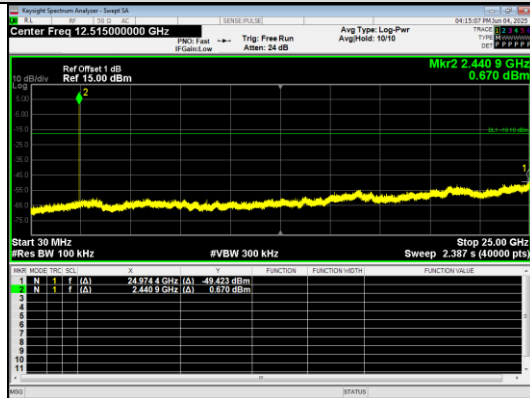
30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 0



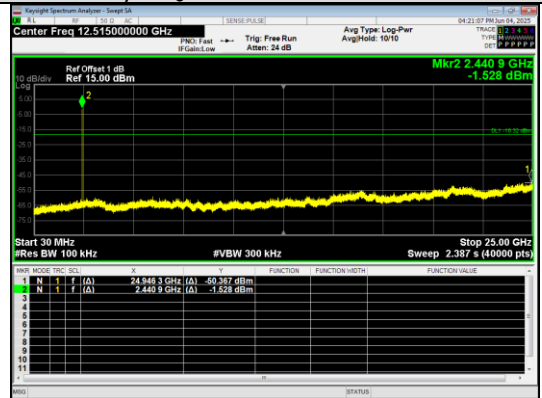
30.0 MHz - 25000.0 MHz $\pi/4$ DQPSK_2-DH5_Channel 0



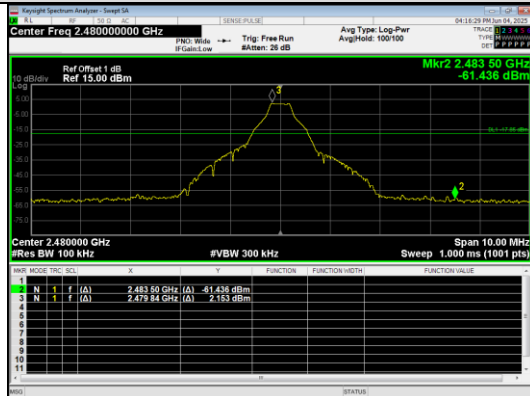
Out Of Band Emission GFSK_DH5_Channel 39



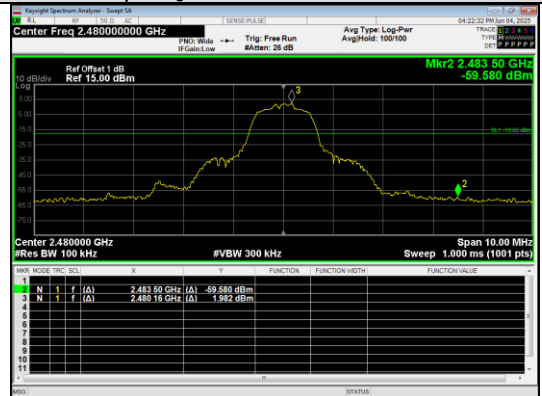
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 39



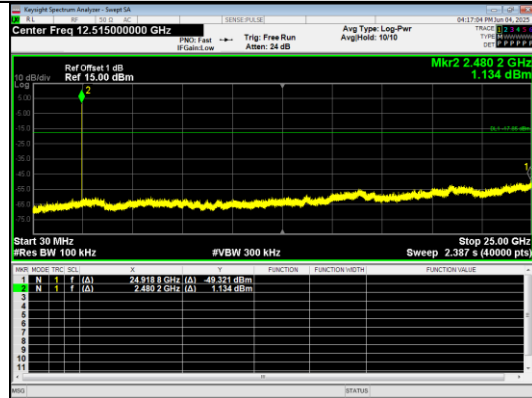
30.0 MHz - 25000.0 MHz GFSK_DH5_Channel 39



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

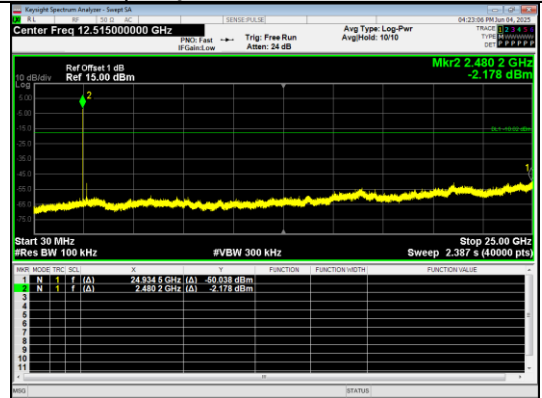


Out Of Band Emission GFSK_DH5_Channel 78

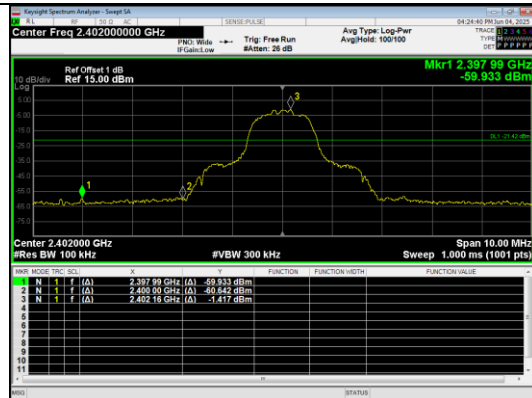


30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 78

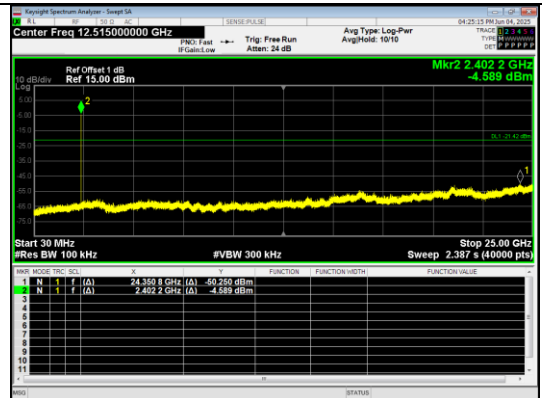
Out Of Band Emission $\pi/4$ DQPSK_2-DH5_Channel 78



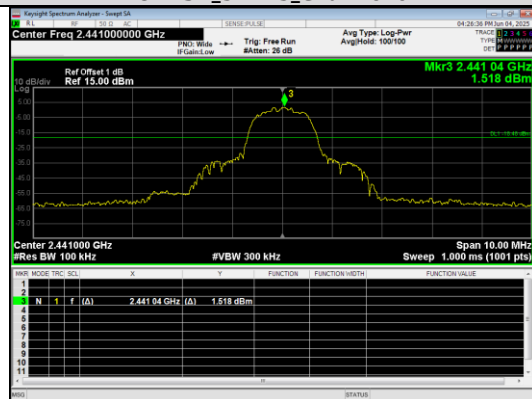
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 78



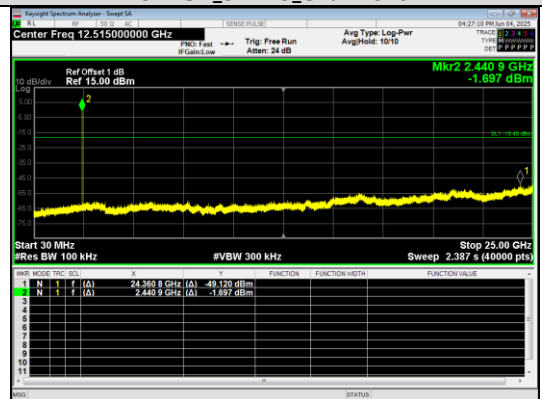
Out Of Band Emission
8DPSK_3-DH5_Channel 0



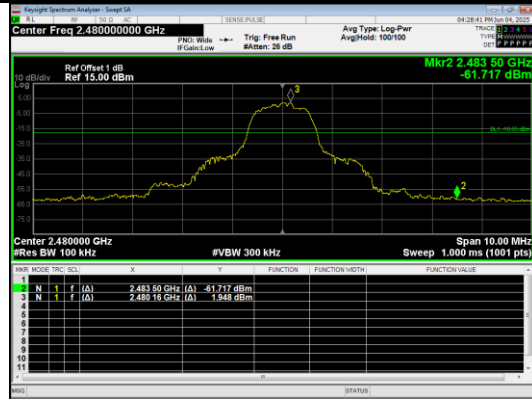
30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 0



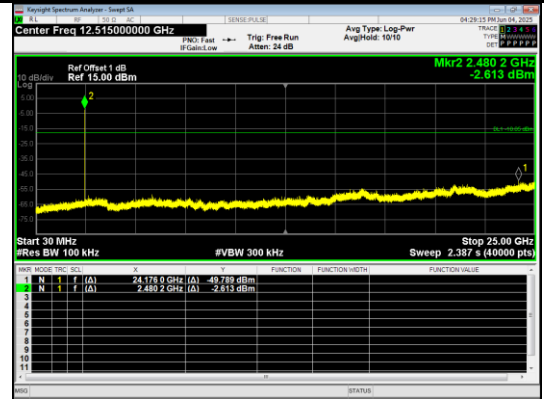
Out Of Band Emission
8DPSK_3-DH5_Channel 39



30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 39



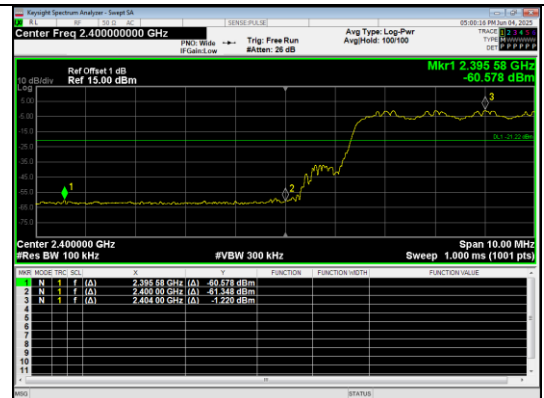
Out Of Band Emission
8DPSK_3-DH5_Channel 78



30.0 MHz - 25000.0 MHz
8DPSK_3-DH5_Channel 78



Out Of Band Emission(Left)
GFSK_DH5_Channel Hopping



Out Of Band Emission(Left)
 $\pi/4$ DQPSK_2-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

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