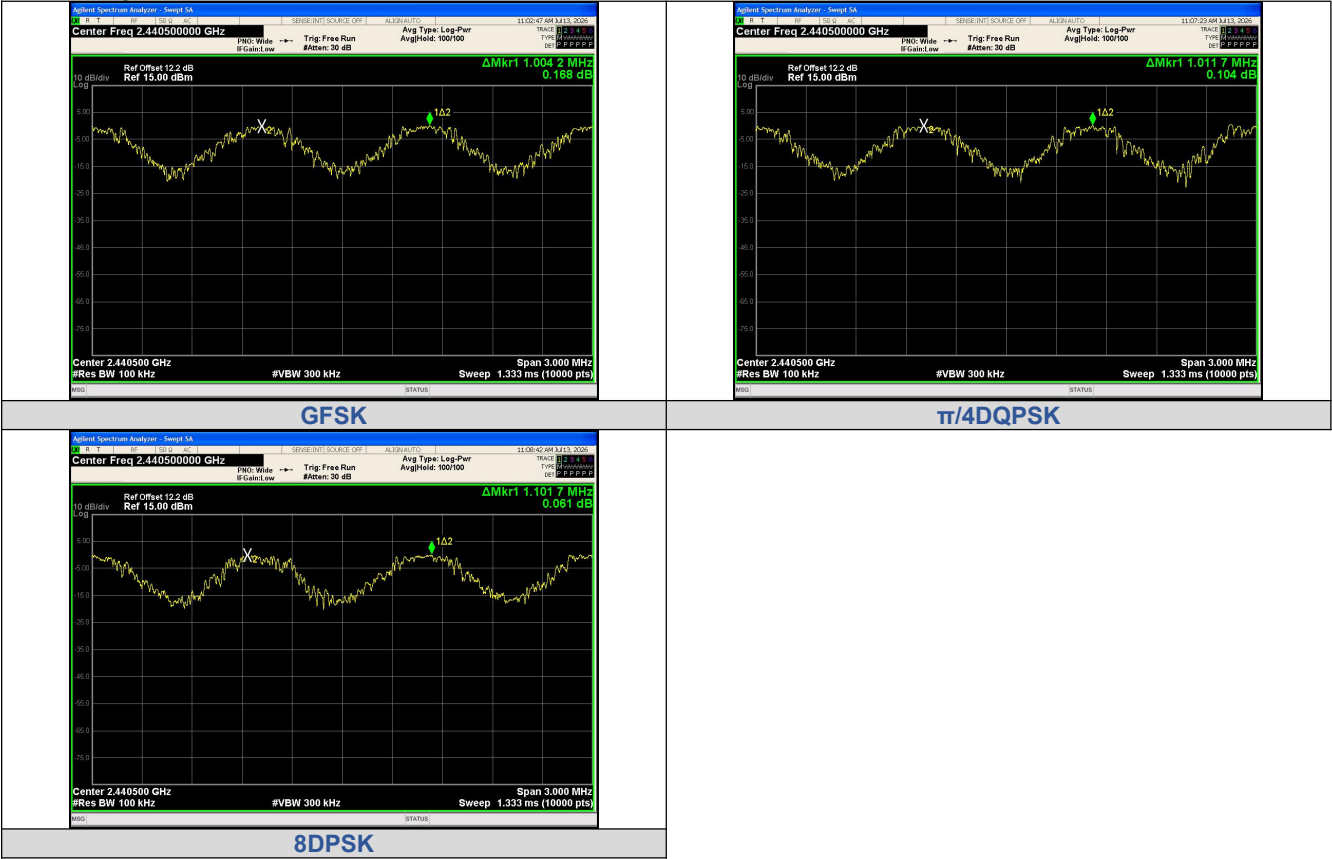


APPENDIX IV. Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Minimum Limit (MHz)	Result
GFSK	DH5	2440.0174	2441.0216	1.0042	0.7	PASS
$\pi/4$ DQPSK	2-DH5	2440.0051	2441.0168	1.0117	0.889	PASS
8DPSK	3-DH5	2439.9328	2441.0345	1.1017	0.871	PASS

Test Graphs



APPENDIX V. Conducted Spurious & Band Edge 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	2397.28	-48.895	-19.14	-29.755	PASS
			2400.00	-50.283	-19.14	-31.143	PASS
			4804.30	-53.854	-19.14	-34.714	PASS
			7205.80	-50.149	-19.14	-31.009	PASS
			9607.90	-46.470	-19.14	-27.330	PASS
			24966.9	-45.511	-19.14	-26.370	PASS
		39	4882.30	-50.549	-19.69	-30.859	PASS
			7323.11	-51.407	-19.69	-31.717	PASS
			9763.93	-44.867	-19.69	-25.177	PASS
		78	2483.50	-51.326	-19.44	-31.886	PASS
			4960.33	-49.212	-19.44	-29.772	PASS
			7439.85	-49.857	-19.44	-30.417	PASS
			9919.99	-44.535	-19.44	-25.095	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-48.313	-19.28	-29.033	PASS
			4803.64	-57.066	-19.28	-37.786	PASS
			7206.38	-52.603	-19.28	-33.323	PASS
			9607.87	-45.863	-19.28	-26.583	PASS
		39	4882.30	-53.050	-19.71	-33.340	PASS
			7323.11	-51.205	-19.71	-31.495	PASS
			9763.93	-44.486	-19.71	-24.776	PASS
		78	2483.50	-49.924	-19.46	-30.464	PASS
			4960.33	-53.126	-19.46	-33.666	PASS
			7439.85	-52.675	-19.46	-33.215	PASS
			9919.99	-44.883	-19.46	-25.423	PASS
8DPSK	3-DH5	0	2397.05	-50.077	-19.08	-30.997	PASS
			2400.00	-50.326	-19.08	-31.246	PASS
			4804.30	-54.735	-19.08	-35.655	PASS
			7206.40	-51.428	-19.08	-32.348	PASS
			9607.90	-45.436	-19.08	-26.356	PASS
		39	4882.30	-52.727	-20.59	-32.137	PASS
			7322.49	-54.790	-20.59	-34.200	PASS
			9763.93	-44.592	-20.59	-24.002	PASS
		78	2483.50	-50.233	-19.35	-30.883	PASS
			4960.33	-51.533	-19.35	-32.183	PASS
			7439.85	-50.978	-19.35	-31.628	PASS
			9919.99	-43.887	-19.35	-24.537	PASS

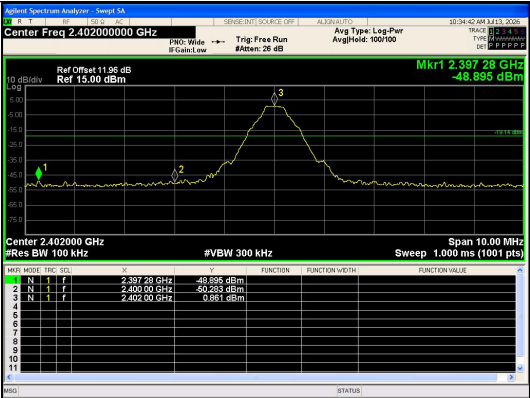
Note: input compensation coefficient (dB)= Cable Loss (dB)

Hopping

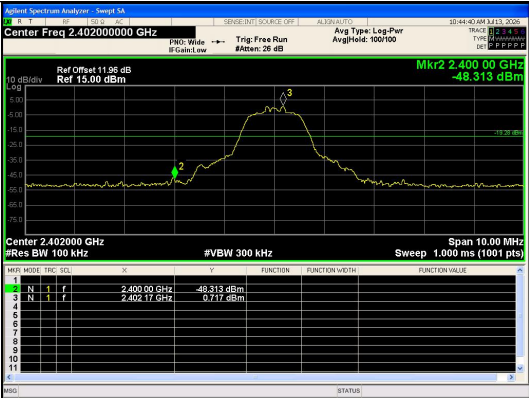
Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2398.41	-48.690	-19.1	-29.590	PASS
			2400.00	-51.892	-19.1	-32.792	PASS
			2483.50	-50.182	-19.24	-30.942	PASS
π/4DQPSK	2-DH5		2398.83	-49.377	-19.24	-30.137	PASS
			2400.00	-49.845	-19.24	-30.605	PASS
			2483.50	-50.777	-20.09	-30.687	PASS
8DPSK	3-DH5		2398.63	-48.726	-19.63	-29.096	PASS
			2400.00	-51.879	-19.63	-32.249	PASS
			2483.50	-50.604	-21.95	-28.654	PASS

Note: input compensation coefficient (dB)= Cable Loss (dB)

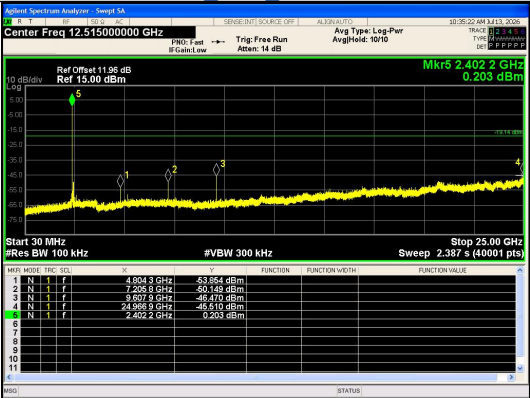
Test Graphs



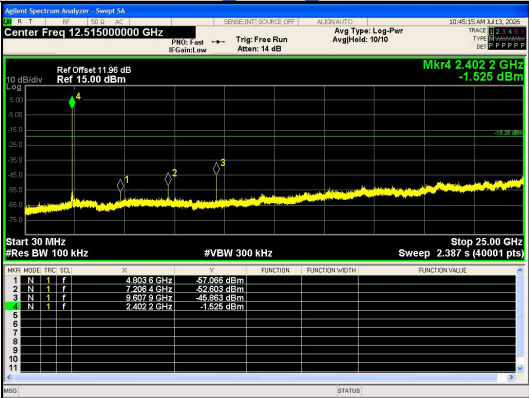
Out Of Band Emission
GFSK_DH5_Channel 0



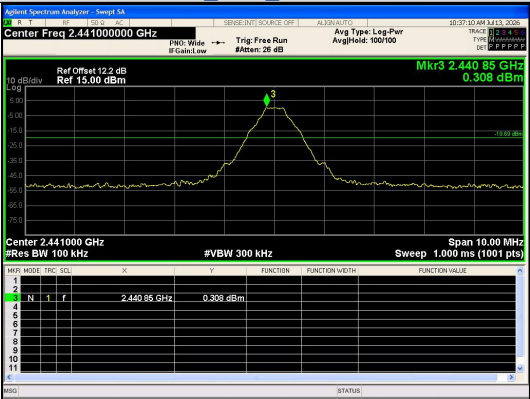
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 0



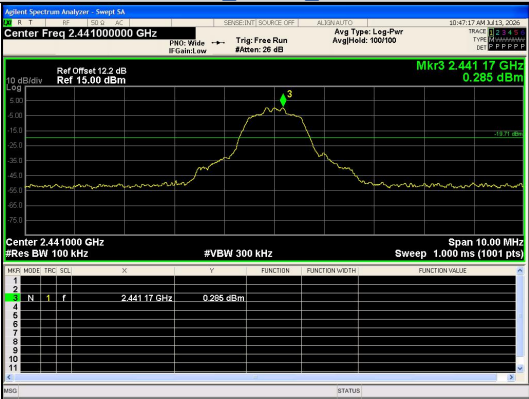
30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 0



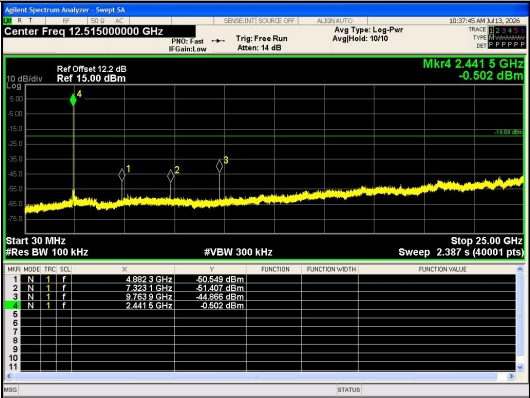
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 0



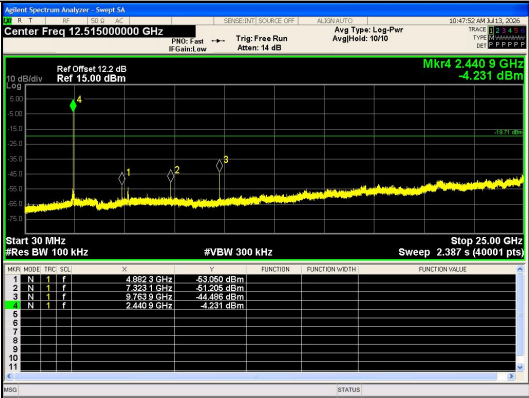
Out Of Band Emission
GFSK_DH5_Channel 39



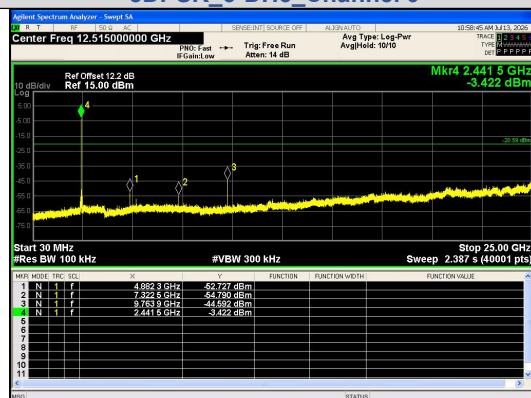
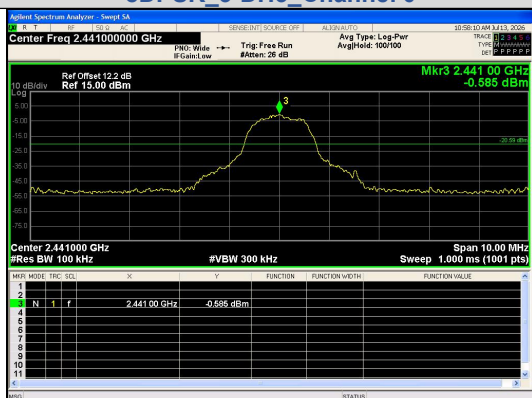
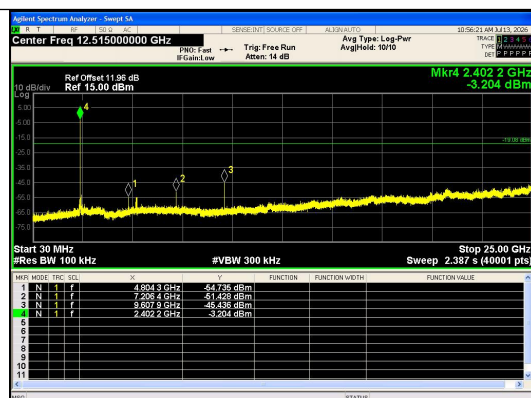
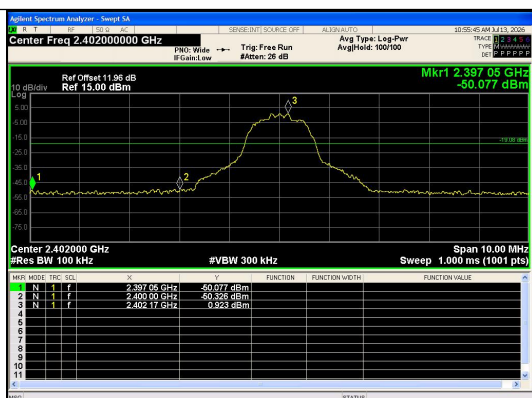
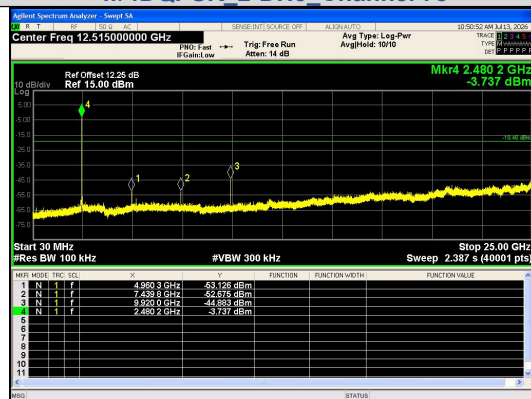
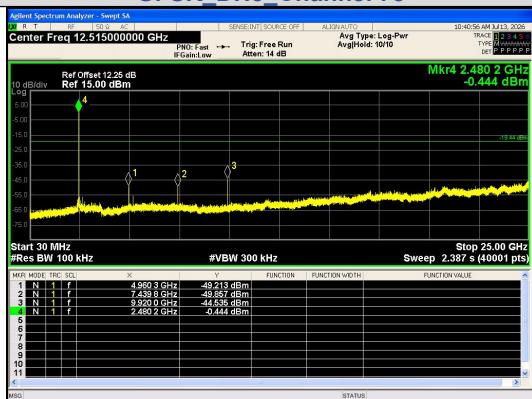
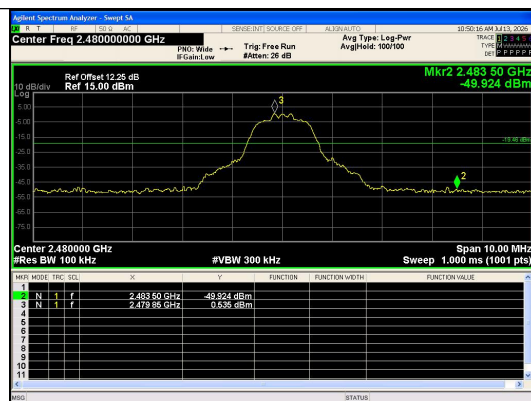
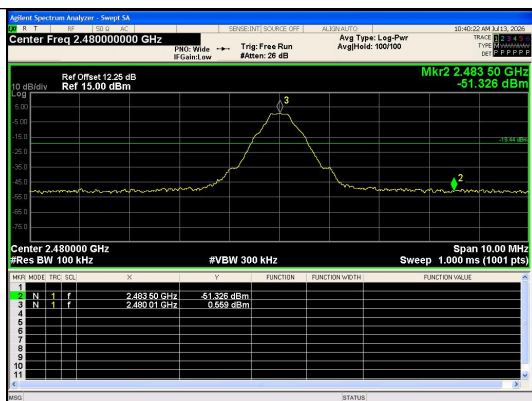
Out Of Band Emission
 $\pi/4$ DQPSK_2-DH5_Channel 39

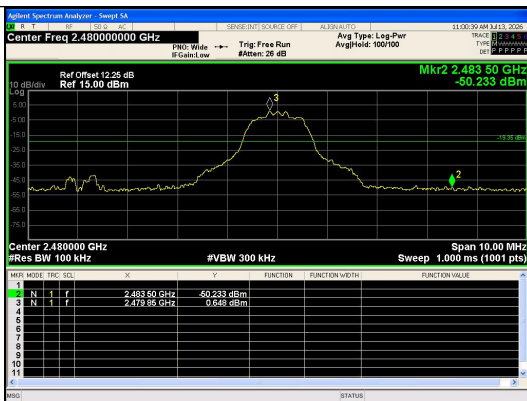


30.0 MHz - 25000.0 MHz
GFSK_DH5_Channel 39

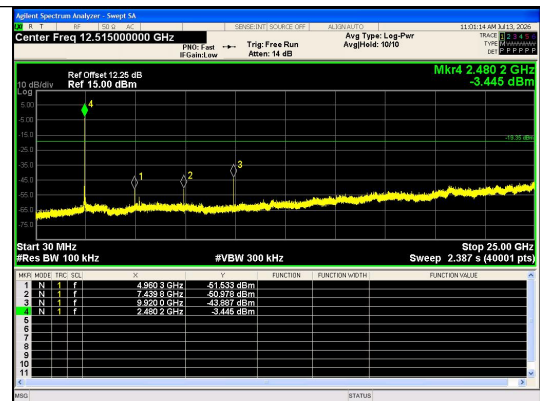


30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH5_Channel 39

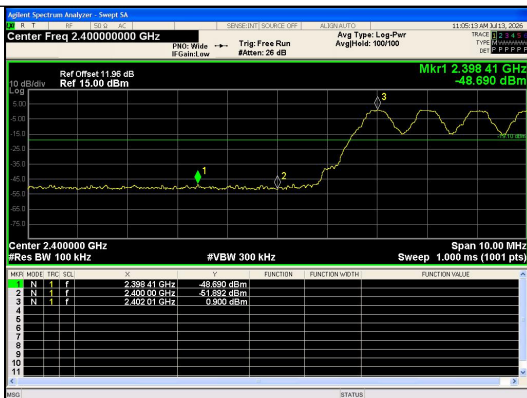




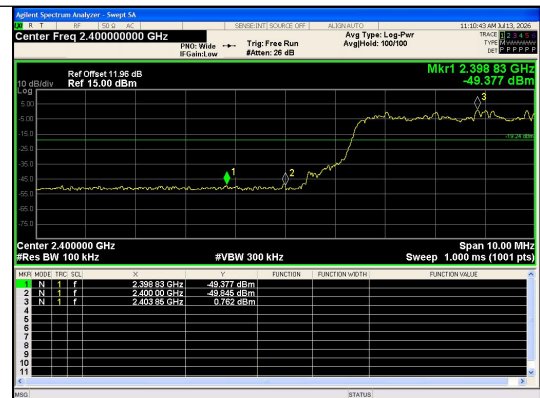
Out Of Band Emission
8DPSK 3-DH5 Channel 78



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



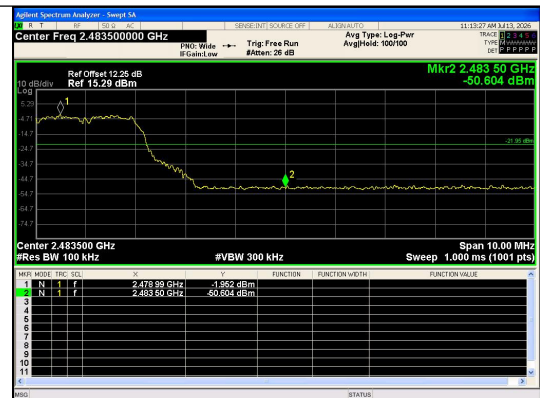
Out Of Band Emission(Right)
GFSK DH5 Channel Hopping



Out Of Band Emission(Right)
 $\pi/4$ DQPSK 2-DH5 Channel Hopping



Out Of Band Emission(Left)
8DPSK 3-DH5 Channel Hopping

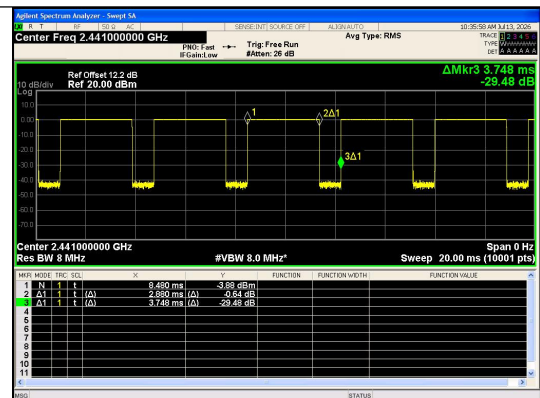


Out Of Band Emission(Right)
8DPSK 3-DH5 Channel Hopping

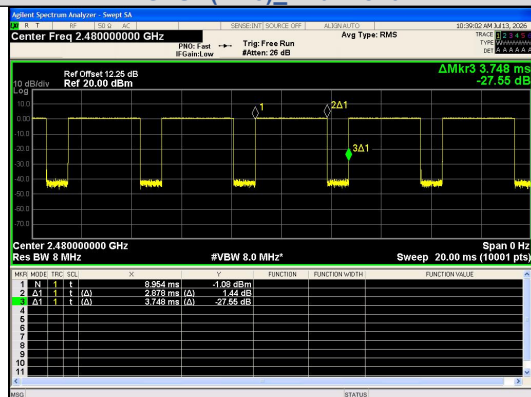
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH5	0	2.880	3.748	76.84	0.7684	1.1441	0.3472
		39	2.880	3.748	76.84	0.7684	1.1441	0.3472
		78	2.878	3.748	76.79	0.7679	1.147	0.3475
$\pi/4$ DQPSK	2-DH5	0	2.884	3.748	76.95	0.7695	1.1379	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	2.888	3.748	77.05	0.7705	1.1323	0.3463
		39	2.886	3.748	77.00	0.7700	1.1351	0.3465
		78	2.888	3.748	77.05	0.7705	1.1323	0.3463



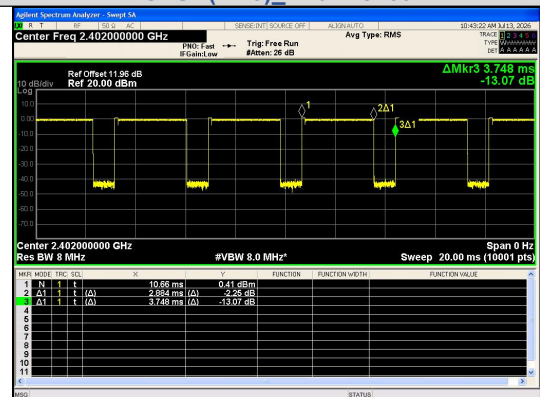
GFSK(DH5)_Channel 0



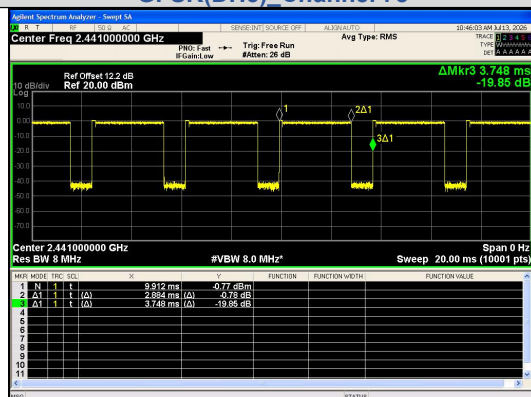
GFSK(DH5)_Channel 39



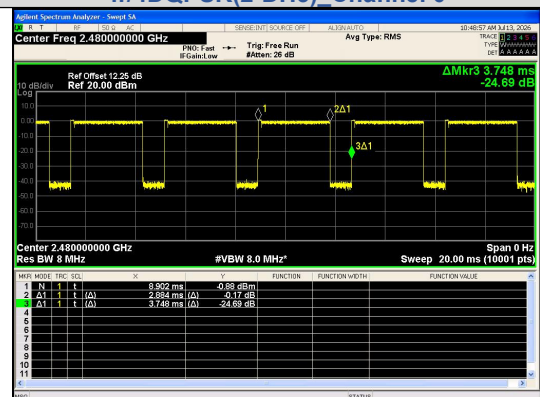
GFSK(DH5)_Channel 78



π/4DQPSK(2-DH5)_Channel 0



π/4DQPSK(2-DH5) Channel 39



π/4DQPSK(2-DH5) Channel 78