

Appendix A Conduction Data for BR_EDR:

1. Conducted Peak Output Power

Test Result

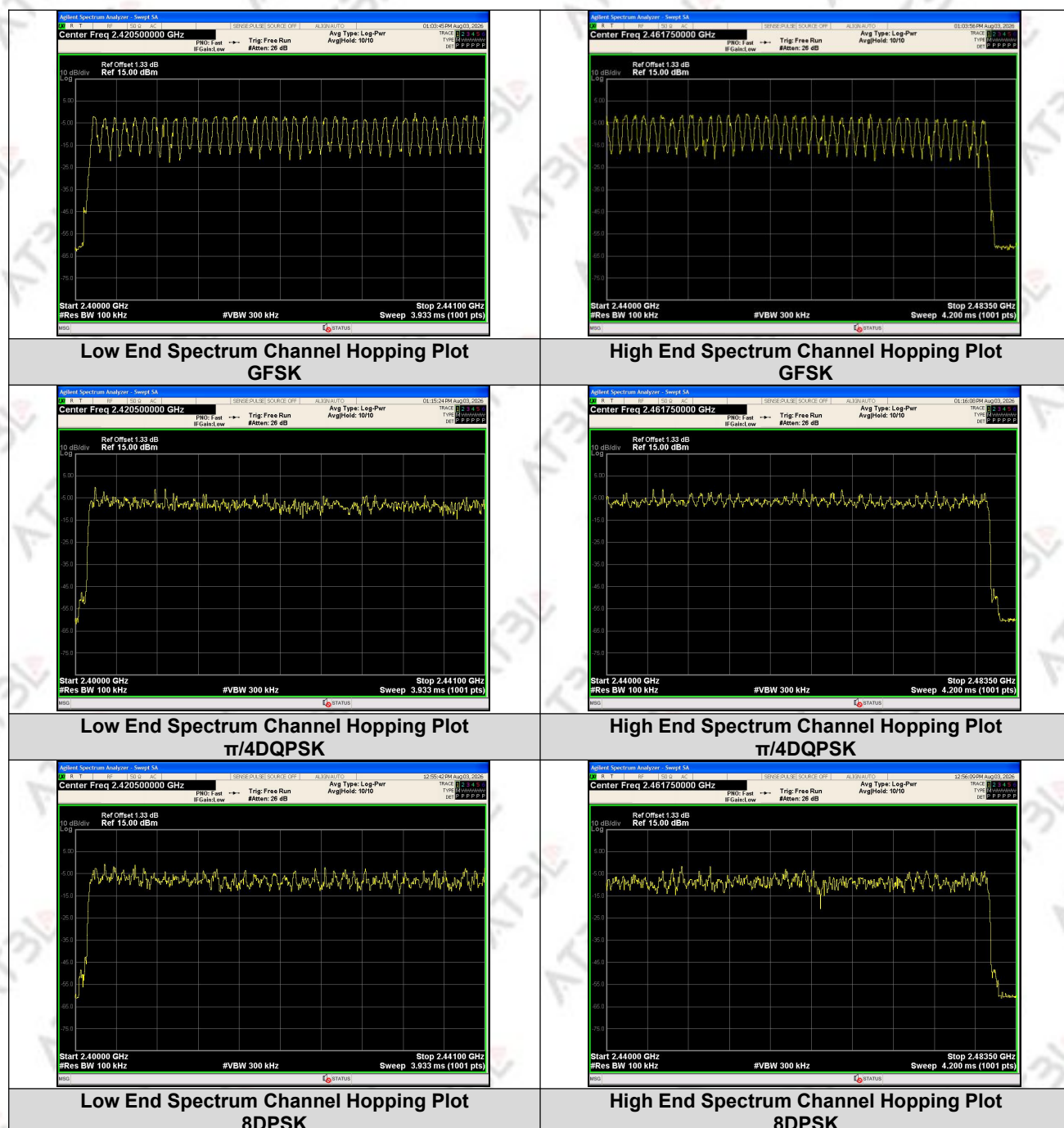
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power Limit (dBm)	Result
GFSK	DH5	0	1.33	≤ 21	PASS
		39	1.28	≤ 21	PASS
		78	-0.20	≤ 21	PASS
$\pi/4$ DQPSK	2-DH5	0	1.58	≤ 21	PASS
		39	0.14	≤ 21	PASS
		78	0.66	≤ 21	PASS
8DPSK	3-DH5	0	1.54	≤ 21	PASS
		39	-0.47	≤ 21	PASS
		78	-0.10	≤ 21	PASS

2.Number of Hopping Frequencies

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



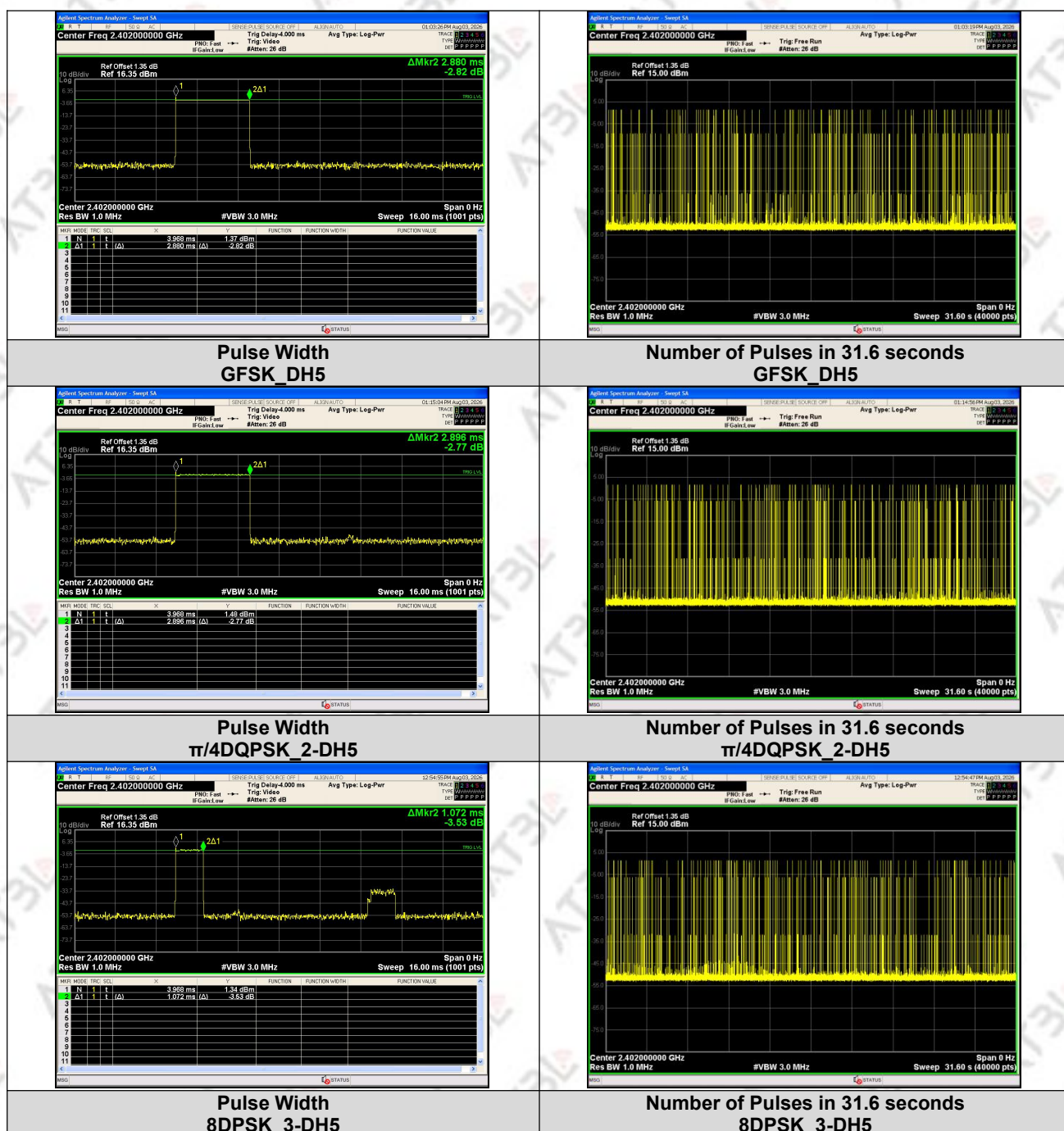
3.Dwell Time

Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	Hopping	2.880	97	279.36	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	112	324.35		PASS
8DPSK	3-DH5		1.072	113	121.14		PASS

Note: Dwell time=Pulse time(ms)*Number of Pulses in 31.6 seconds

Test Graphs

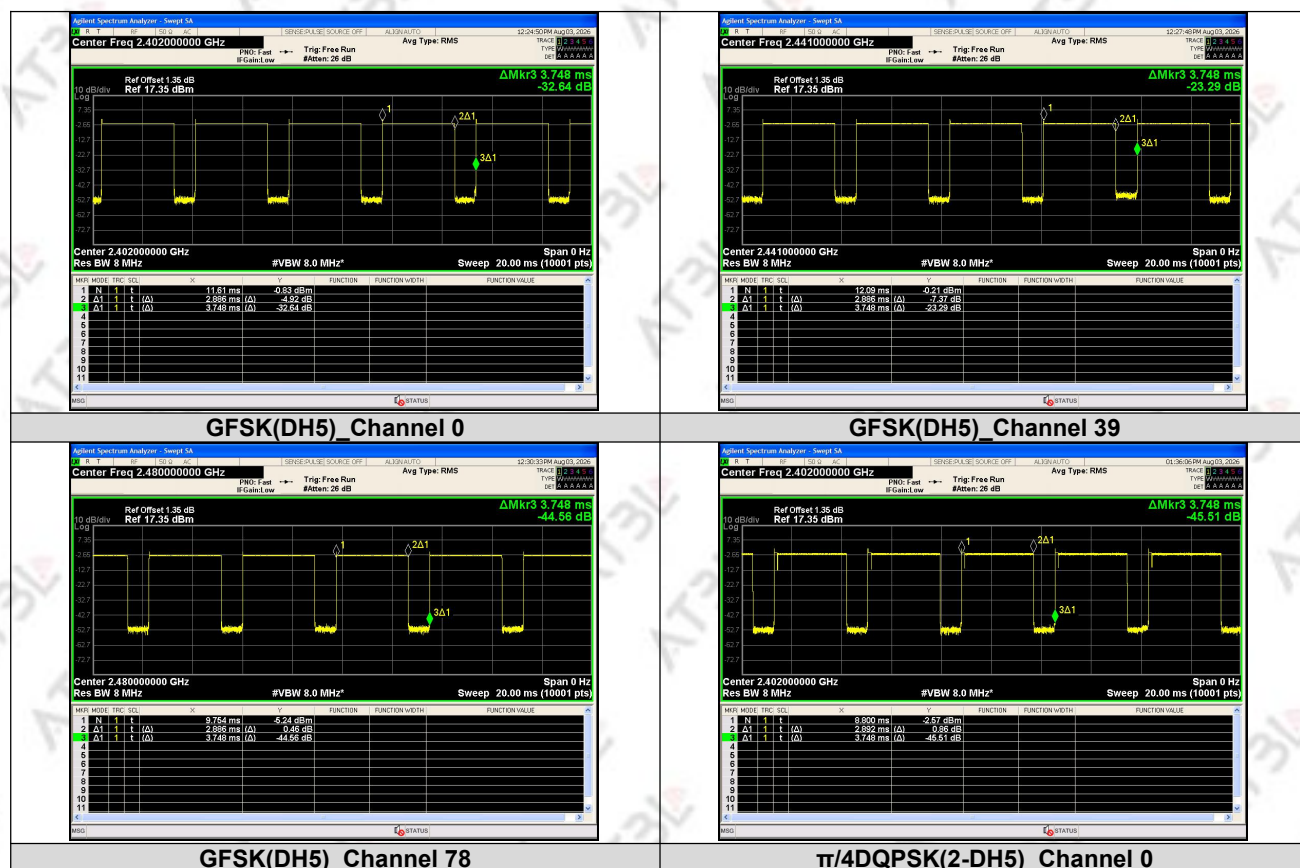


4.Duty Cycle

Test Result

Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK	DH5	0	2.886	3.748	77.00	0.7700	1.1351
		39	2.886	3.748	77.00	0.7700	1.1351
		78	2.886	3.748	77.00	0.7700	1.1351
$\pi/4$ DQPSK	2-DH5	0	2.892	3.748	77.16	0.7716	1.1261
		39	2.892	3.748	77.16	0.7716	1.1261
		78	2.892	3.748	77.16	0.7716	1.1261
8DPSK	3-DH5	0	2.892	3.748	77.16	0.7716	1.1261
		39	2.894	3.748	77.21	0.7721	1.1233
		78	2.894	3.748	77.21	0.7721	1.1233

Test Graphs



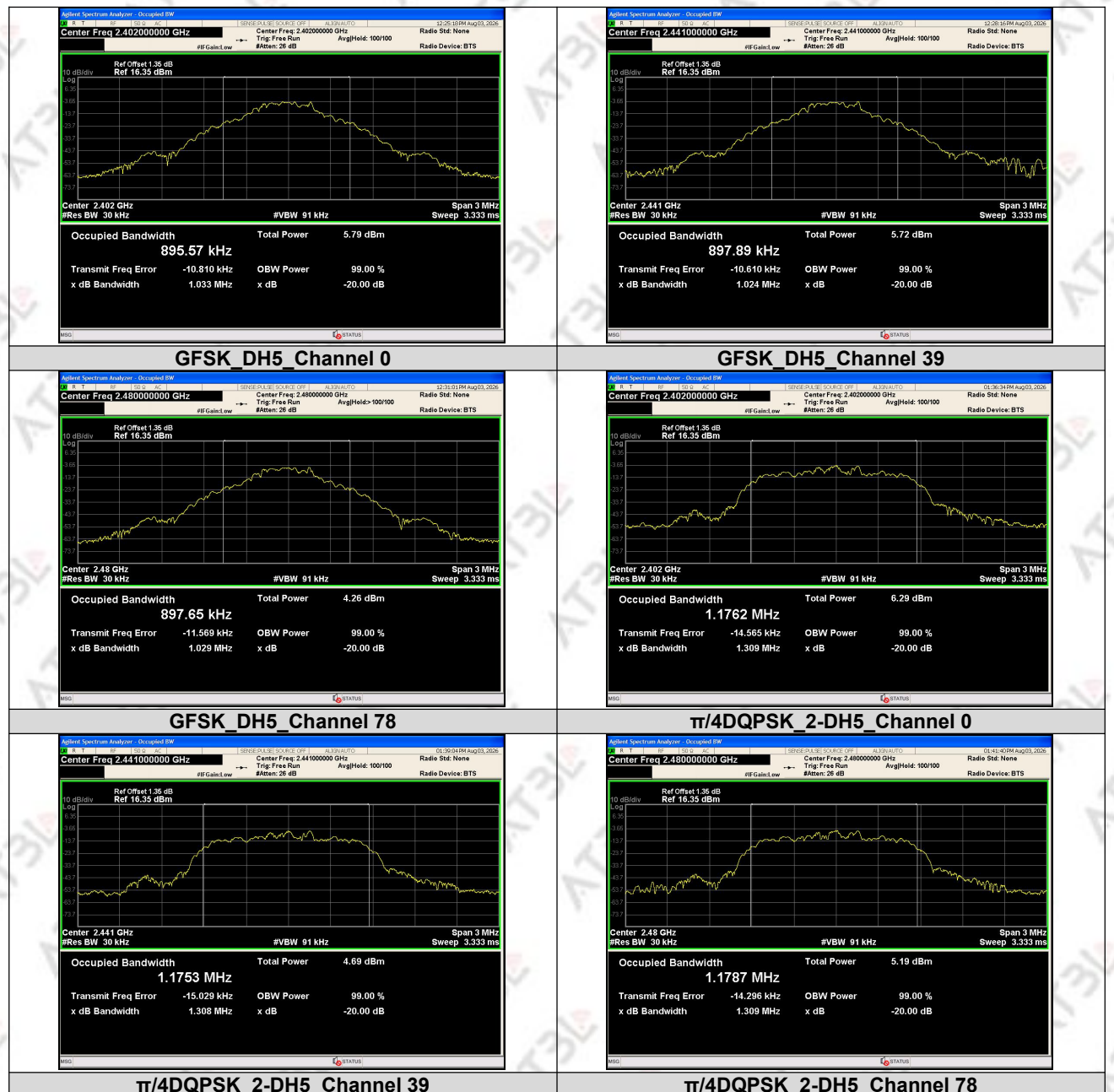


5.20dB Bandwidth

Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	1.033
	39	2441 MHz	1.024
	78	2480 MHz	1.029
π /4DQPSK	0	2402 MHz	1.309
	39	2441 MHz	1.308
	78	2480 MHz	1.309
8DPSK	0	2402 MHz	1.301
	39	2441 MHz	1.300
	78	2480 MHz	1.309

Test Graphs





8DPSK 3-DH5_Channel 0



8DPSK 3-DH5_Channel 39



8DPSK 3-DH5_Channel 78

6.Carrier Frequencies Separation

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH5	2440.0285	2440.9328	0.9043	0.689	PASS
$\pi/4$ DQPSK	2-DH5	2439.943	2440.9052	0.9622	0.873	PASS
8DPSK	3-DH5	2440.0105	2441.0147	1.0042	0.867	PASS

Test Graphs



7. 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	2397.76	-59.120	-20.45	-38.670	PASS
			2400.00	-59.401	-20.45	-38.951	PASS
			5771.20	-43.483	-20.45	-23.033	PASS
		39	5767.48	-43.235	-20.51	-22.725	PASS
		78	2483.50	-60.625	-21.98	-38.645	PASS
			5748.75	-44.342	-21.98	-22.362	PASS
$\pi/4$ DQPSK	2-DH5	0	2400.00	-58.640	-20.22	-38.420	PASS
			24456.3	-47.383	-20.22	-27.163	PASS
		39	24167.2	-47.475	-21.69	-25.785	PASS
		78	2483.50	-58.316	-21.15	-37.166	PASS
			24139.2	-47.265	-21.15	-26.115	PASS
8DPSK	3-DH5	0	2396.14	-58.848	-20.32	-38.528	PASS
			2400.00	-59.219	-20.32	-38.899	PASS
			24755.3	-47.575	-20.32	-27.255	PASS
		39	24112.3	-47.596	-22.22	-25.376	PASS
		78	2483.50	-60.100	-21.47	-38.630	PASS
			24140.4	-47.668	-21.47	-26.198	PASS

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

Hopping

hopping

Modulation	Packet	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
GFSK	DH5	Hopping	2395.45	-55.956	-12.46	-43.496	PASS
			2400.00	-58.609	-12.46	-46.149	PASS
			2483.50	-59.492	-9.16	-50.332	PASS
π/4DQPSK	2-DH5		2393.55	-45.969	-13.35	-32.619	PASS
			2400.00	-57.104	-13.35	-43.754	PASS
			2483.50	-58.913	-10.29	-48.623	PASS
8DPSK	3-DH5		2398.91	-40.464	-15.79	-24.674	PASS
			2400.00	-49.882	-15.79	-34.092	PASS
			2483.50	-48.354	-9.77	-38.584	PASS

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

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Test Graphs

