



Keyway Testing Technology (Guangdong) Co., Ltd

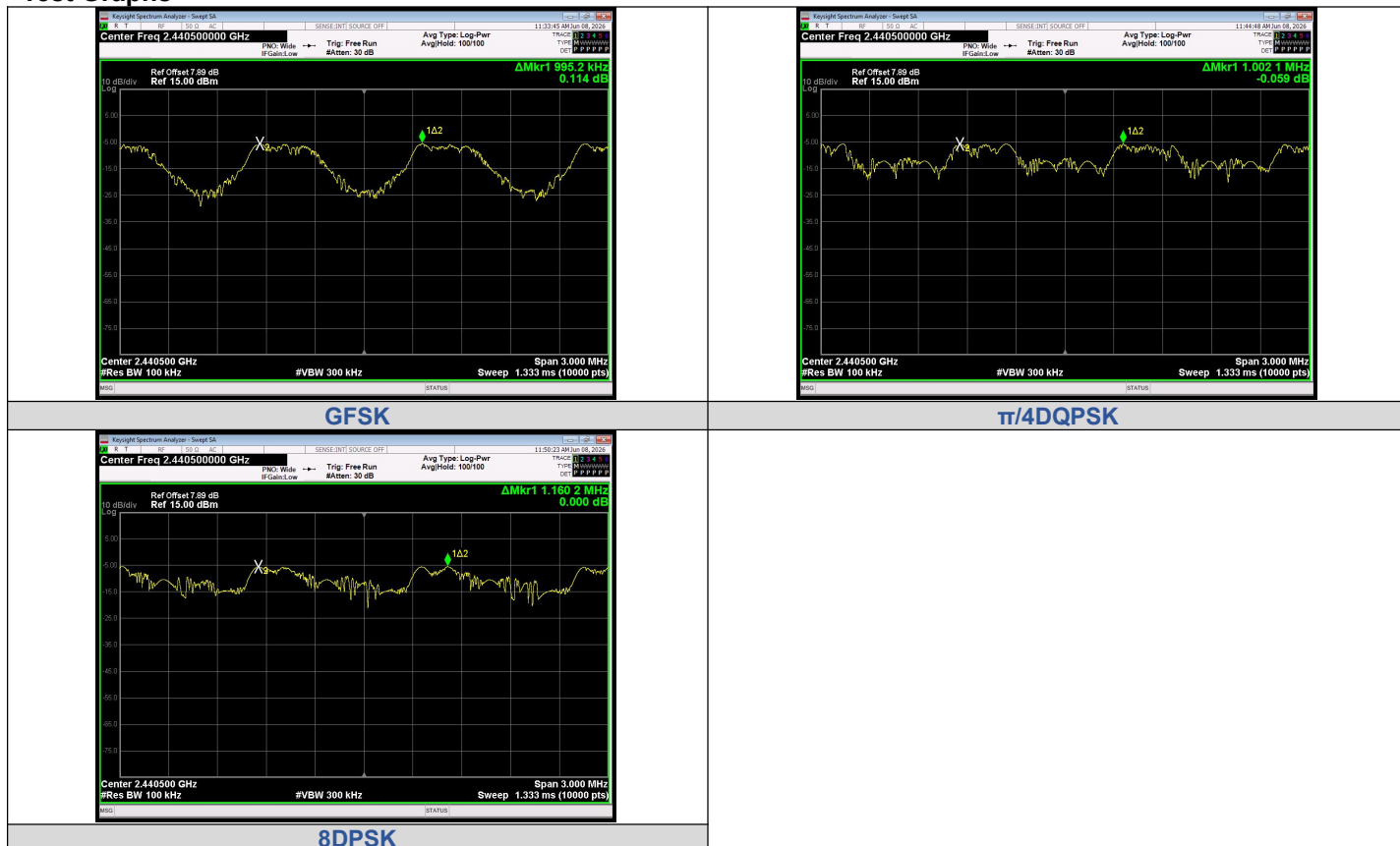
Laboratory Address: Room 2102, Building 6, Dongyi Intelligent Equipment New Energy Vehicle Park, No.30 of Tangxia District, Dongshen Road, Tangxia Town, Dongguan, 523710, People's Republic of China

A.4 CARRIER FREQUENCIES SEPARATION

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Minimum Limit (MHz)	Result
GFSK	DH1	2439.8614	2440.8566	0.9952	0.812	PASS
$\pi/4$ DQPSK	2-DH1	2439.8533	2440.8554	1.0021	0.863	PASS
8DPSK	3-DH1	2439.8518	2441.012	1.1602	0.835	PASS

Test Graphs





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A.5 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	DH1	0	2398.80	-52.144	-23.91	-28.234	PASS
			2400.00	-55.337	-23.91	-31.427	PASS
			4803.60	-51.309	-23.91	-27.399	PASS
			7206.40	-54.167	-23.91	-30.257	PASS
		39	9607.90	-60.564	-23.91	-36.654	PASS
			4882.30	-53.107	-25.67	-27.437	PASS
			7323.11	-64.045	-25.67	-38.375	PASS
			9763.93	-62.333	-25.67	-36.663	PASS
		78	2483.50	-57.007	-26.67	-30.337	PASS
			4960.33	-59.022	-26.67	-32.352	PASS
			7440.47	-62.477	-26.67	-35.807	PASS
			9919.99	-63.227	-26.67	-36.557	PASS
$\pi/4$ DQPSK	2-DH1	0	23674.1	-56.041	-26.67	-29.371	PASS
			2397.88	-53.807	-24.02	-29.787	PASS
			2400.00	-55.500	-24.02	-31.480	PASS
			4804.30	-49.594	-24.02	-25.574	PASS
		39	7206.40	-52.453	-24.02	-28.433	PASS
			9607.90	-59.387	-24.02	-35.367	PASS
			4882.30	-53.852	-25.76	-28.092	PASS
			7323.11	-57.865	-25.76	-32.105	PASS
		78	9763.93	-61.757	-25.76	-35.997	PASS
			2483.50	-57.271	-26.8	-30.471	PASS
			4959.70	-54.977	-26.8	-28.177	PASS
			7439.85	-65.131	-26.8	-38.331	PASS
8DPSK	3-DH1	0	9919.99	-63.589	-26.8	-36.788	PASS
			2400.00	-54.368	-23.87	-30.498	PASS
			4803.64	-49.400	-23.87	-25.530	PASS
			7205.75	-53.924	-23.87	-30.054	PASS
		39	9607.87	-60.419	-23.87	-36.549	PASS
			4882.30	-54.555	-25.55	-29.005	PASS
			7323.11	-59.992	-25.55	-34.442	PASS
		78	9763.93	-61.321	-25.55	-35.770	PASS
			2483.50	-56.516	-26.62	-29.896	PASS
			4960.33	-56.612	-26.62	-29.992	PASS
			7439.85	-66.050	-26.62	-39.430	PASS

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

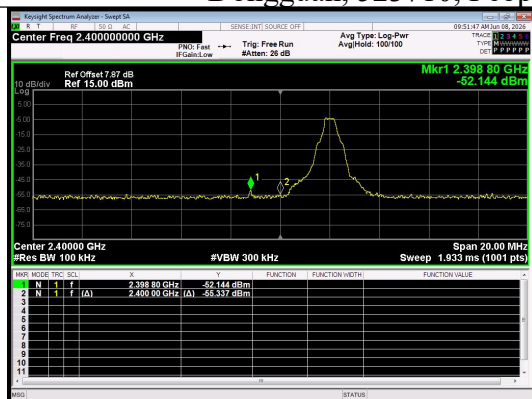
Test Graphs



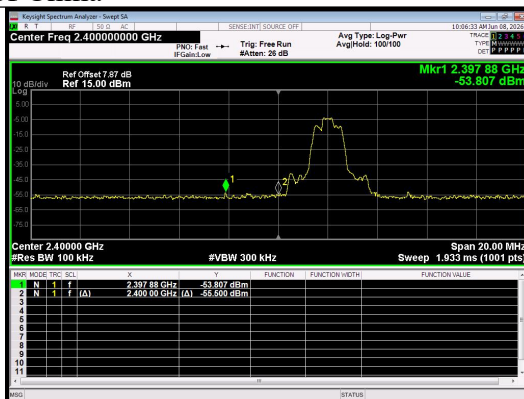
In-Band Reference Level
GFSK_DH1_Channel 0



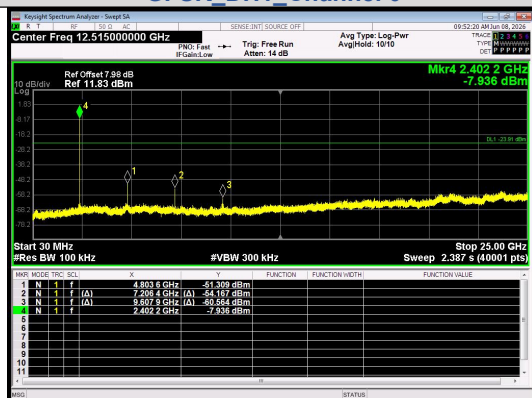
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 $\pi/4$ DQPSK_2-DH1_Channel 0



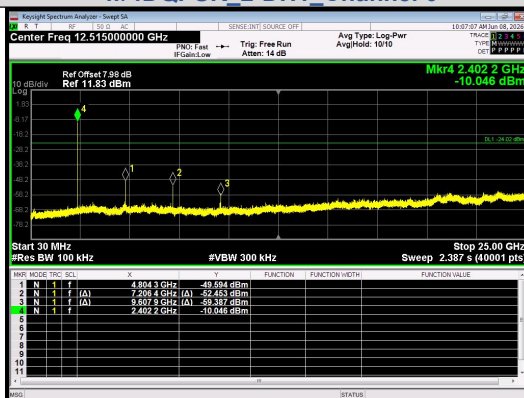
**Out Of Band Emission
GFSK_DH1_Channel 0**



**Out Of Band Emission
 $\pi/4$ DQPSK_2-DH1_Channel 0**



**30.0 MHz - 25000.0 MHz
GFSK_DH1_Channel 0**



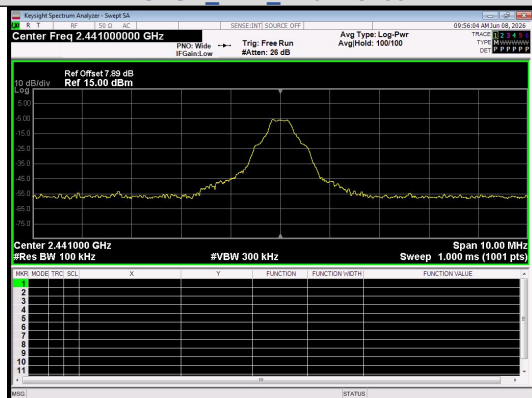
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 $\pi/4$ DQPSK_2-DH1_Channel 0**



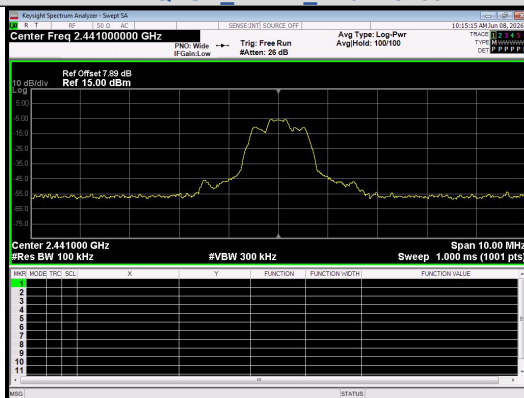
**In-Band Reference Level
GFSK_DH1_Channel 39**



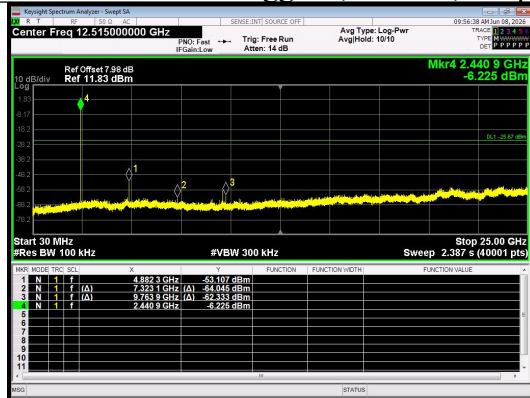
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 $\pi/4$ DQPSK_2-DH1_Channel 39**



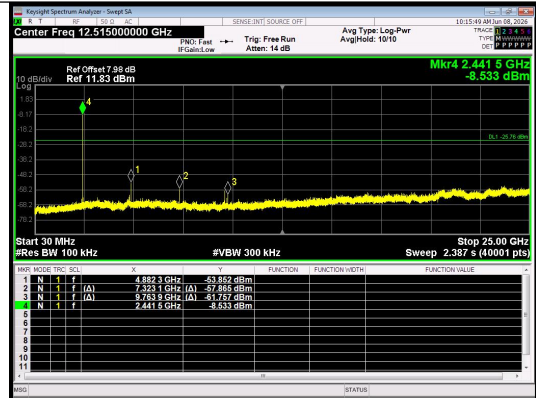
**Out Of Band Emission
GFSK_DH1_Channel 39**



**Out Of Band Emission
 $\pi/4$ DQPSK_2-DH1_Channel 39**



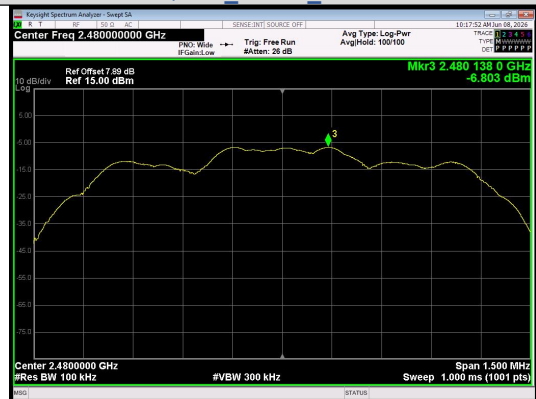
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GFSK_DH1_Channel 39



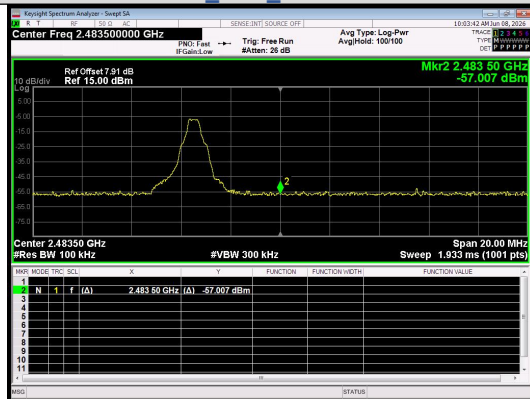
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 $\pi/4$ DQPSK_2-DH1_Channel 39



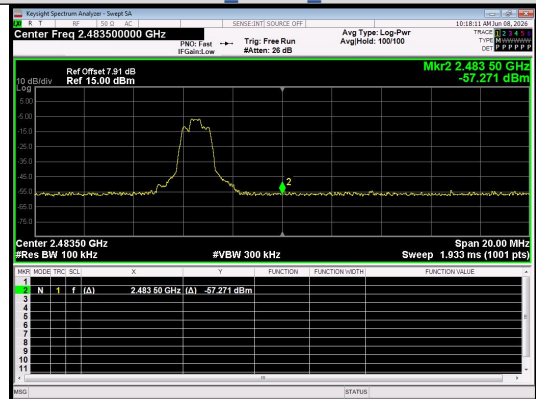
In-Band Reference Level
GFSK_DH1_Channel 78



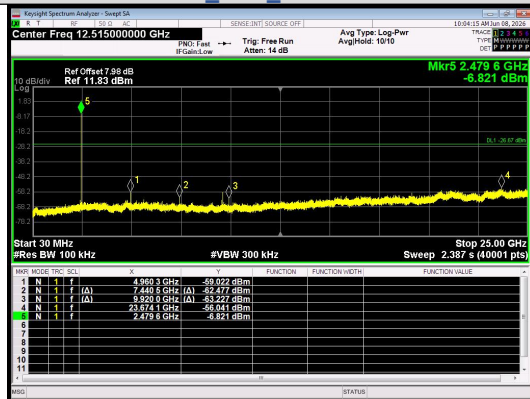
In-Band Reference Level
 $\pi/4$ DQPSK_2-DH1_Channel 78



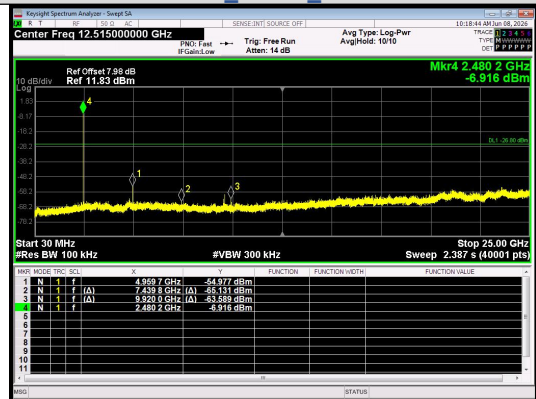
Out Of Band Emission
GFSK_DH1_Channel 78



Out Of Band Emission
 $\pi/4$ DQPSK_2-DH1_Channel 78



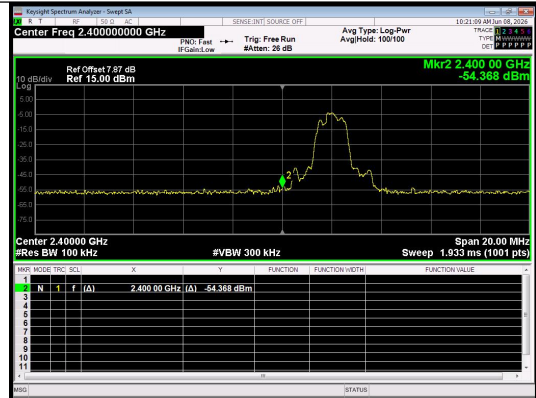
30.0 MHz - 25000.0 MHz
GFSK_DH1_Channel 78



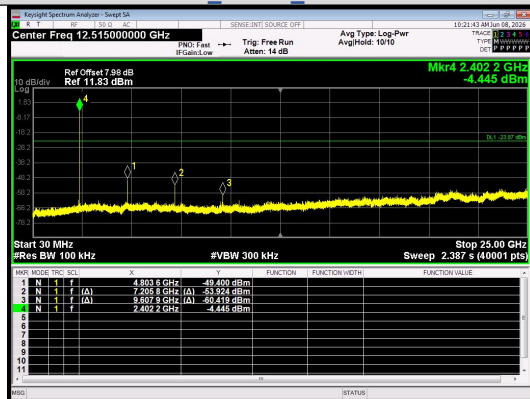
30.0 MHz - 25000.0 MHz
 $\pi/4$ DQPSK_2-DH1_Channel 78



**In-Band Reference Level
 8DPSK_3-DH1_Channel 0**



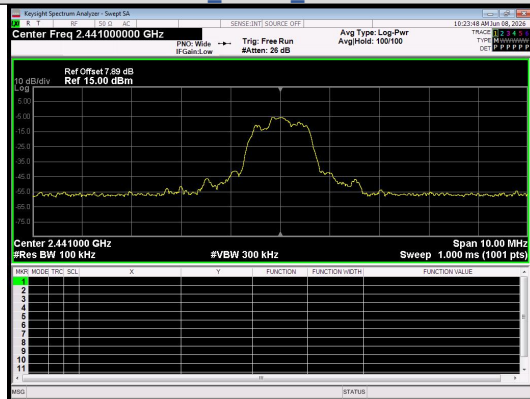
**Out Of Band Emission
 8DPSK_3-DH1_Channel 0**



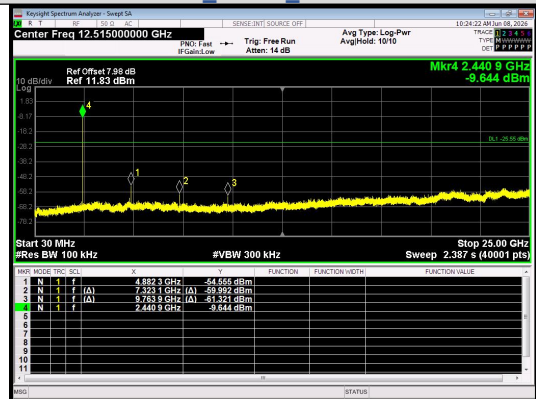
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 8DPSK_3-DH1_Channel 0**



**In-Band Reference Level
 8DPSK_3-DH1_Channel 39**



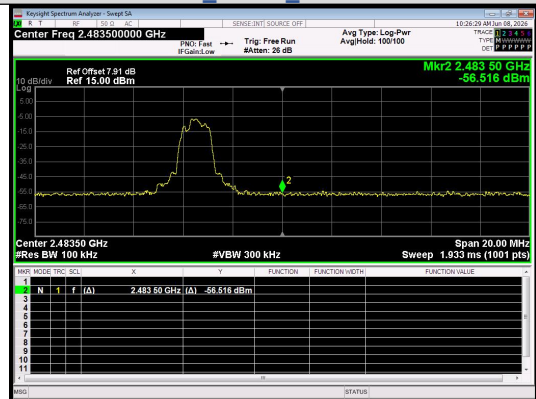
**Out Of Band Emission
 8DPSK_3-DH1_Channel 39**



**30.0 MHz - 25000.0 MHz
 8DPSK_3-DH1_Channel 39**



**In-Band Reference Level
 8DPSK_3-DH1_Channel 78**

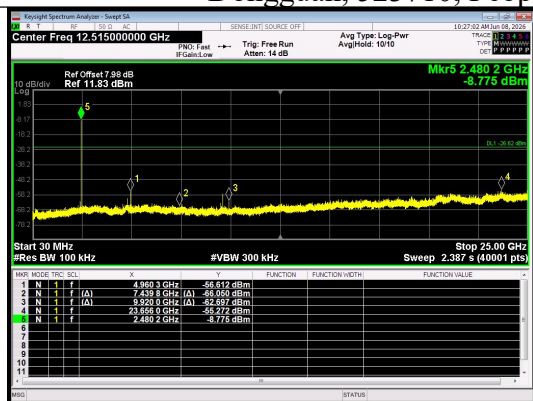


**Out Of Band Emission
 8DPSK_3-DH1_Channel 78**



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