



Keyway Testing Technology (Guangdong) Co., Ltd
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

E.U.T:	MONITOR CONTROLLER WITH BLUETOOTH AND HEADPHONE-AMPLIFIER
Model Number:	PMONICONLG2, PMONICONLG2G
Trade Name:	
Date of Receipt:	Jun. 02, 2025
Date of Test:	Jun. 02~Aug. 25, 2025
FCC ID:	2AFF6-2GNOCINOMP
IC:	22349-2GNOCINOMP



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A.1 CONDUCTED OUTPUT POWER

Test Result

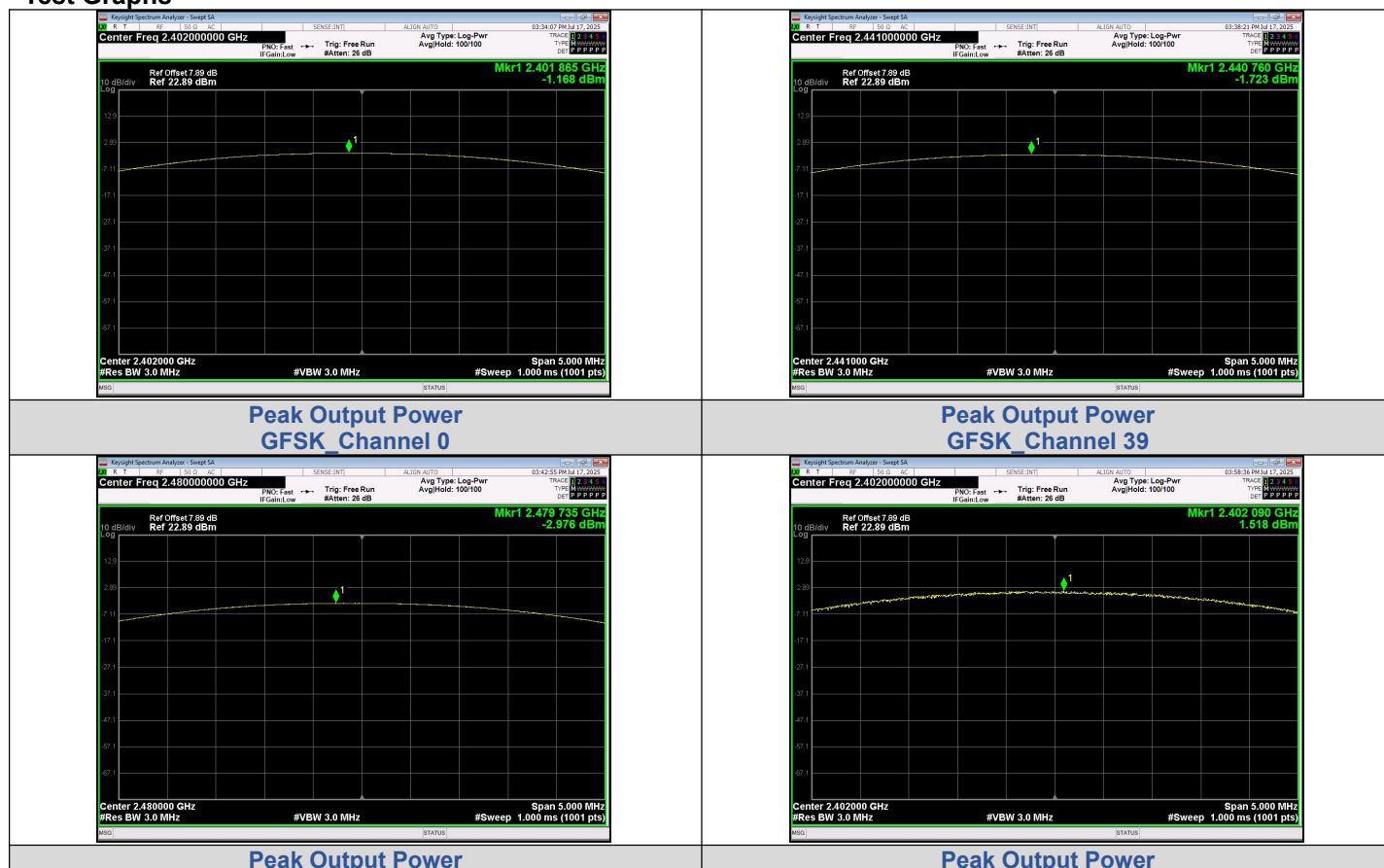
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH1	0	-1.17	0.76	None	≤30	PASS
		39	-1.72	0.67	None		PASS
		78	-2.98	0.50	None		PASS
π/4DQPSK	2-DH1	0	1.52	1.42	None	≤30	PASS
		39	0.87	1.22	None		PASS
		78	-0.48	0.90	None		PASS
8DPSK	3-DH1	0	2.10	1.62	None	≤30	PASS
		39	1.38	1.37	None		PASS
		78	0.05	1.01	None		PASS

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	ISED EIRP (dBm)	ISED EIRP Limit (dBm)	Max. Avg. Power (dBm)	Result
GFSK	DH1	0	-1.17	≤30	-1.850	≤36.02	None	PASS
		39	-1.72	≤30	-2.400	≤36.02	None	PASS
		78	-2.98	≤30	-3.660	≤36.02	None	PASS
π/4DQPSK	2-DH1	0	1.52	≤30	0.840	≤36.02	None	PASS
		39	0.87	≤30	0.190	≤36.02	None	PASS
		78	-0.48	≤30	-1.160	≤36.02	None	PASS
8DPSK	3-DH1	0	2.10	≤30	1.420	≤36.02	None	PASS
		39	1.38	≤30	0.700	≤36.02	None	PASS
		78	0.05	≤30	-0.630	≤36.02	None	PASS

Ant Gain: -0.68dbi, EIRP=Output Power+Ant Gain

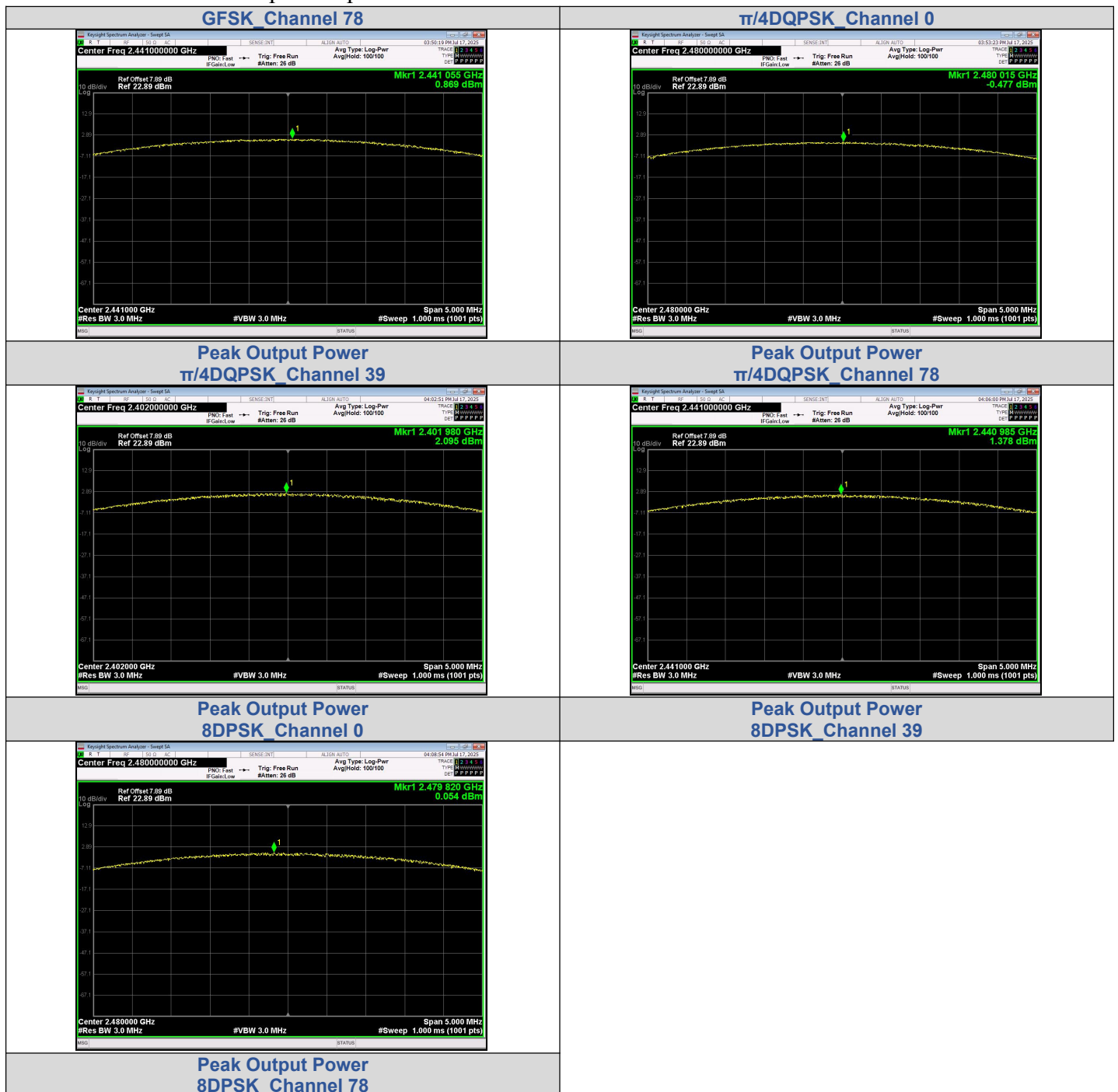
Note: input compensation coefficient (dB)= Cable Loss (dB)

Test Graphs





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A.2 99% BANDWIDTH

Test Result

Modulation	Channel	Center Frequency (MHz)	99% BW (MHz)
GFSK	0	2402	0.78135
	39	2441	0.76881
	78	2480	0.77157
π /4DQPSK	0	2402	1.1638
	39	2441	1.1586
	78	2480	1.1607
8DPSK	0	2402	1.1447
	39	2441	1.1492
	78	2480	1.1433

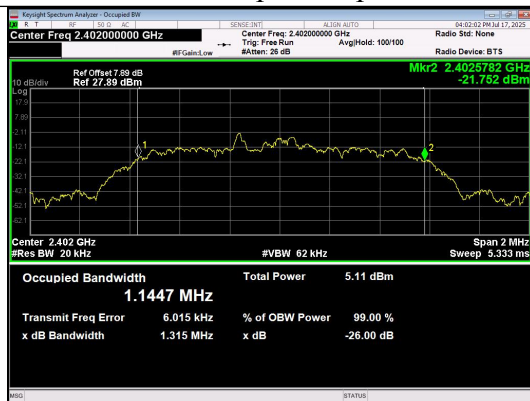
Note: input compensation coefficient (dB)= Cable Loss (dB)

Test Graphs

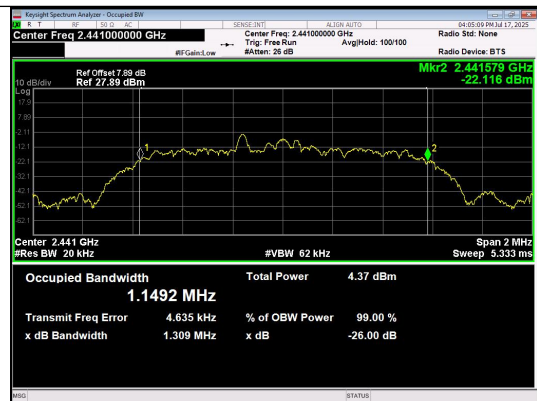




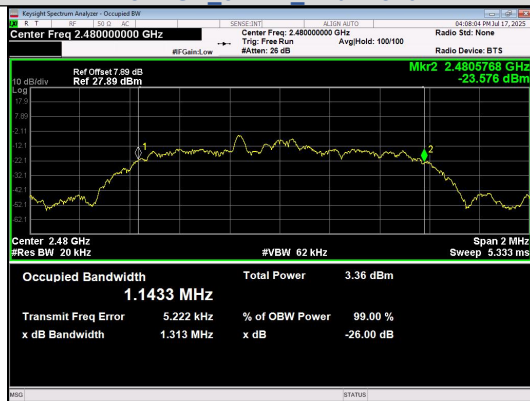
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8DPSK_3-DH1_Channel 0



8DPSK_3-DH1_Channel 39



8DPSK_3-DH1_Channel 78



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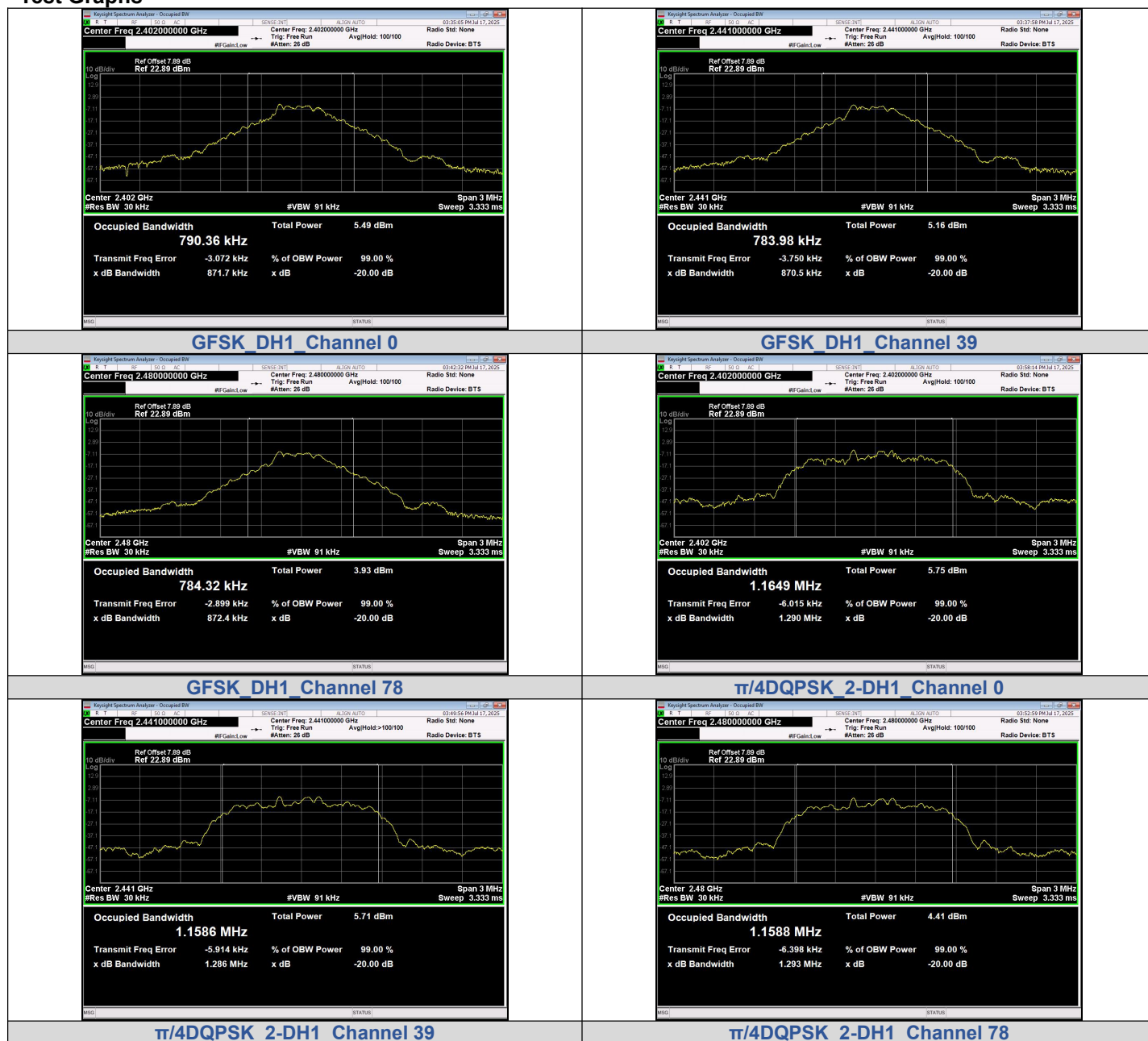
A.3 20DB BANDWIDTH

Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.8700
	39	2441 MHz	0.8700
	78	2480 MHz	0.8700
π /4DQPSK	0	2402 MHz	1.290
	39	2441 MHz	1.290
	78	2480 MHz	1.290
8DPSK	0	2402 MHz	1.220
	39	2441 MHz	1.220
	78	2480 MHz	1.220

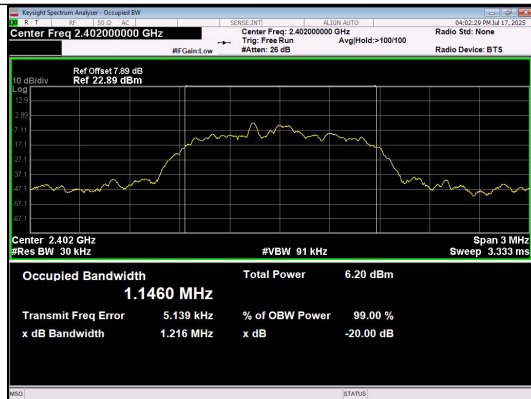
Note: input compensation coefficient (dB)= Cable Loss (dB)

Test Graphs

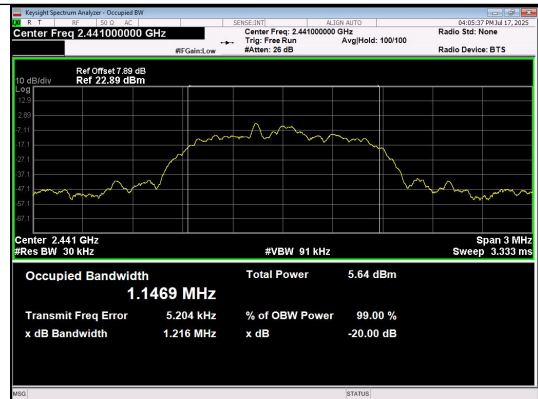




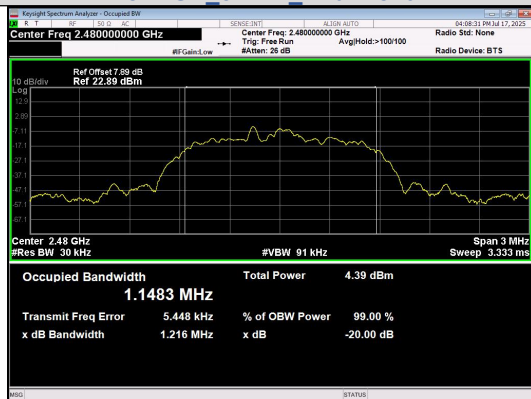
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8DPSK 3-DH1_Channel 0



8DPSK 3-DH1_Channel 39



8DPSK 3-DH1_Channel 78



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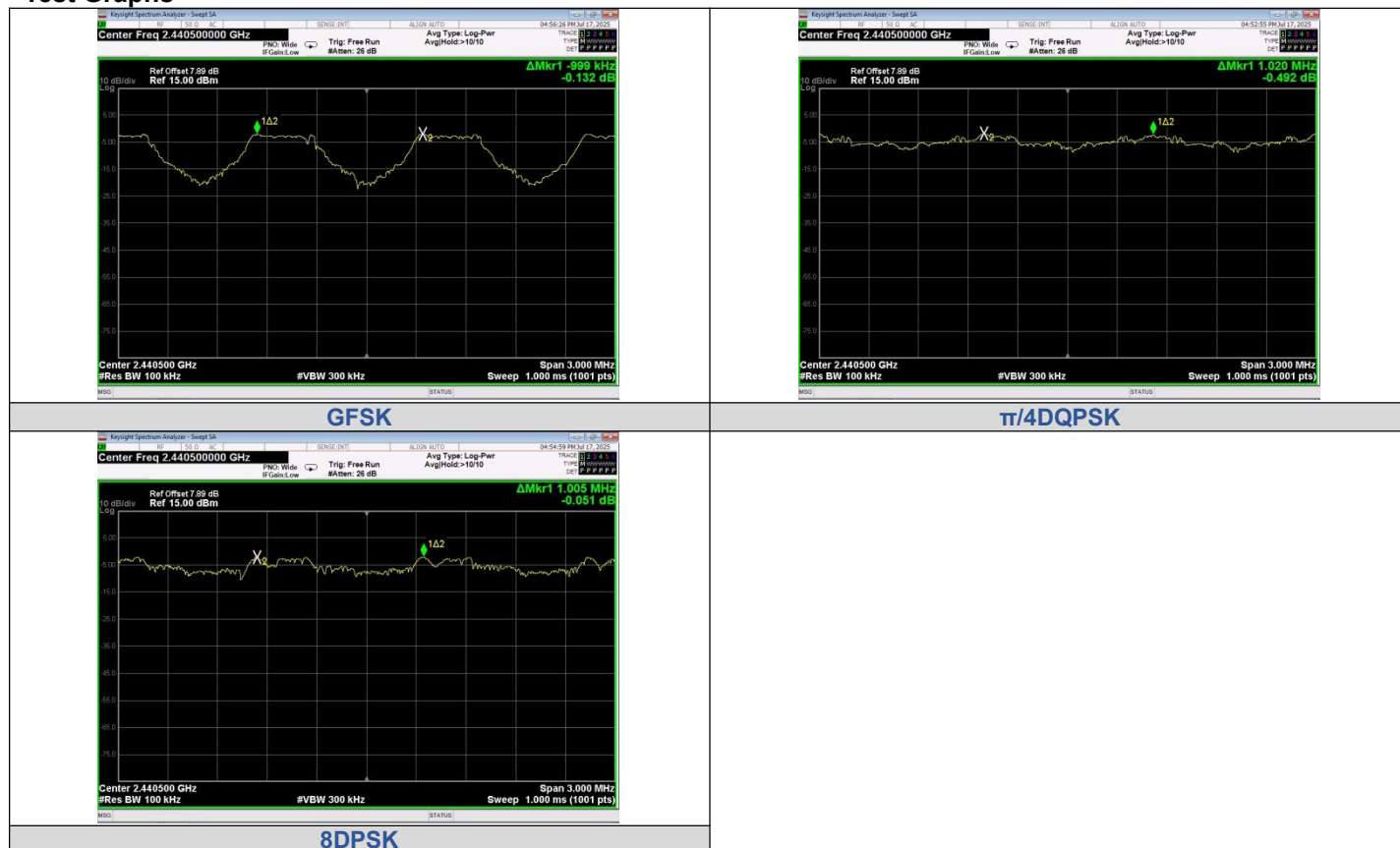
A.4 CARRIER FREQUENCIES SEPARATION

Test Result

Modulation	Packet	Left Center frequency (MHz)	Right Center frequency (MHz)	Hopping Frequency Separation (MHz)	Limit (MHz)	Result
GFSK	DH1	2440.0321	2441.0311	0.9990	0.870	PASS
$\pi/4$ DQPSK	2-DH1	2439.9649	2440.9849	1.0200	0.860	PASS
8DPSK	3-DH1	2439.8053	2440.8103	1.0050	0.813	PASS

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

Test Graphs





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A.5 CONDUCTED OUT OF BAND EMISSION

Modulation	center_frequency	channel	packet_type	Hopping	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dBm)	Result
GFSK	2402	0	DH1		2376.02	-51.062	-21.29	-29.772	PASS
	2402	0	DH1		2400.0	-52.22	-21.29	-30.93	PASS
	2402	0	DH1		4803.6	-46.485	-21.29	-25.195	PASS
	2441	39	DH1		4882.29525	-47.336	-21.89	-25.446	PASS
	2441	39	DH1	Hopping	2392.925	-50.555	-21.35	-29.205	PASS
	2441	39	DH1		2400	-51.06	-21.35	-29.71	PASS
	2441	39	DH1	Hopping	2483.5	-55.76	-23.0	-32.76	PASS
	2480	78	DH1		2483.5	-56.18	-23.17	-33.01	PASS
$\pi/4$ DQPSK	2402	0	2-DH1		2376.12	-50.939	-21.38	-29.559	PASS
	2402	0	2-DH1		2400.0	-53.2	-21.38	-31.82	PASS
	2402	0	2-DH1		4804.3	-50.093	-21.38	-28.713	PASS
	2441	39	2-DH1		4882.29525	-44.355	-21.98	-22.375	PASS
	2441	39	2-DH1	Hopping	2376.125	-49.95	-21.38	-28.57	PASS
	2441	39	2-DH1		2400	-52.39	-21.38	-31.01	PASS
	2441	39	2-DH1	Hopping	2483.5	-55.84	-23.03	-32.81	PASS
	2480	78	2-DH1		2483.5	-56.63	-23.19	-33.44	PASS
8DPSK	2402	0	3-DH1		2400.0	-50.73	-21.33	-29.4	PASS
	2402	0	3-DH1		4804.264	-51.772	-21.33	-30.442	PASS
	2441	39	3-DH1		4882.29525	-47.455	-21.96	-25.495	PASS
	2441	39	3-DH1	Hopping	2386.94	-50.734	-21.35	-29.384	PASS
	2441	39	3-DH1		2400	-52.29	-21.35	-30.94	PASS
	2441	39	3-DH1	Hopping	2483.5	-55.05	-22.97	-32.08	PASS
	2441	39	3-DH1		4882.29525	-47.455	-21.96	-25.495	PASS
	2441	39	3-DH1		2386.94	-50.734	-21.35	-29.384	PASS
8DPSK	2441	39	3-DH1		2400	-52.29	-21.35	-30.94	PASS
	2441	39	3-DH1		2483.5	-55.05	-22.97	-32.08	PASS

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

