



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

E.U.T:	Sound Column Audio System
Model Number:	POLAR 15 MK2
Trade Name:	
Sample Number:	33000275925
Date of Receipt:	Jun. 05, 2026
Date of Test:	Jun. 06, 2026 ~ Jun. 20, 2026
FCC ID:	2AWA3-POLAR15MK2

Note: The test data have all been compensated for cable loss, and when measuring the entire 2400-2500MHz, the maximum loss value 7.89 dB.and when measuring the entire 30MHz-25GHz, Input Compensation Coefficient (dB) = Max Cable Loss (dB)



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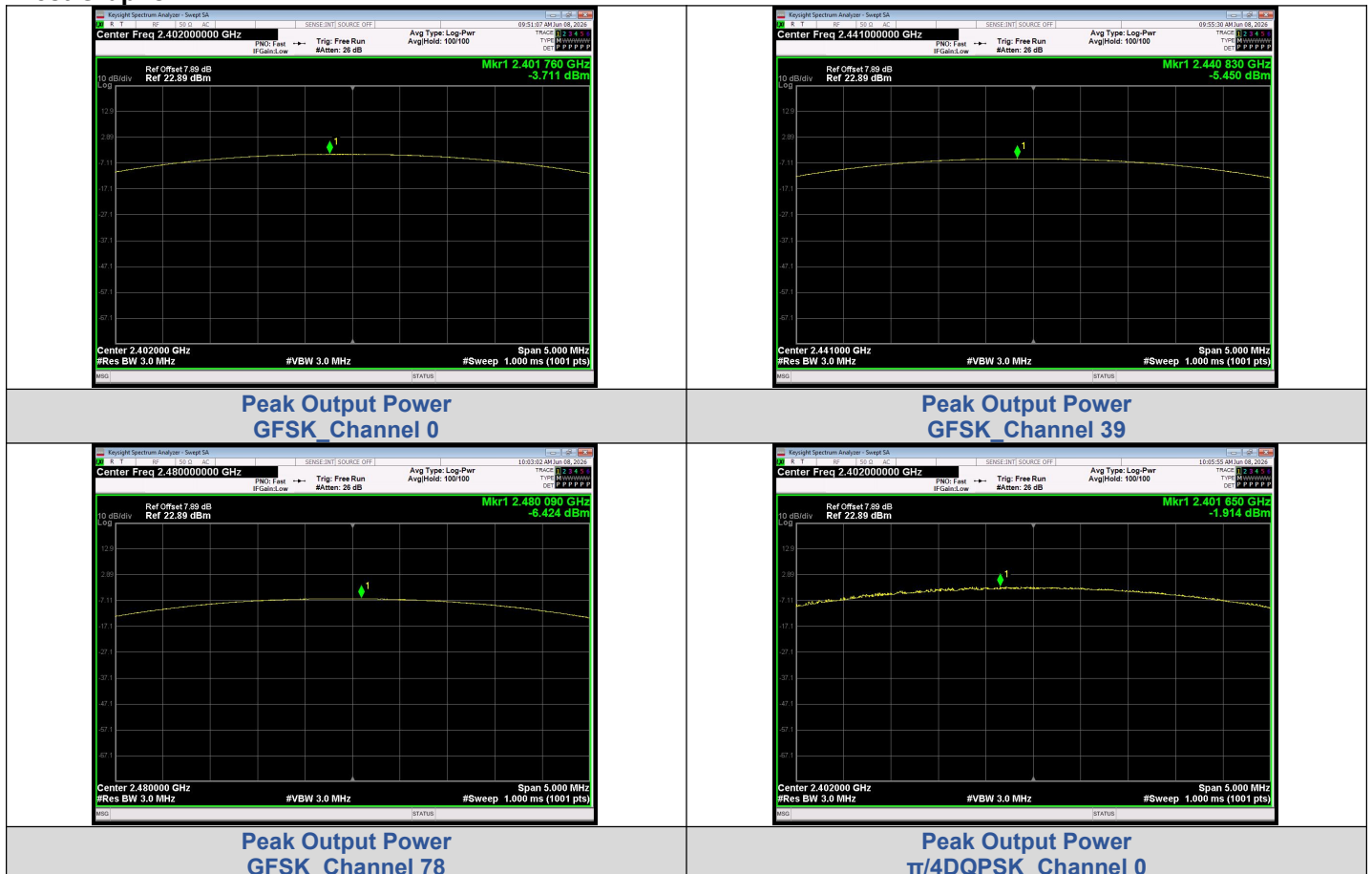
A.1 CONDUCTED OUTPUT POWER

Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH1	0	-3.71	0.4256	None	≤30	PASS
		39	-5.45	0.2851	None		PASS
		78	-6.42	0.2280	None		PASS
π /4DQPSK	2-DH1	0	-1.91	0.6442	None		PASS
		39	-3.54	0.4426	None		PASS
		78	-4.50	0.3548	None		PASS
8DPSK	3-DH1	0	-1.44	0.7178	None		PASS
		39	-2.99	0.5023	None		PASS
		78	-3.99	0.3990	None		PASS

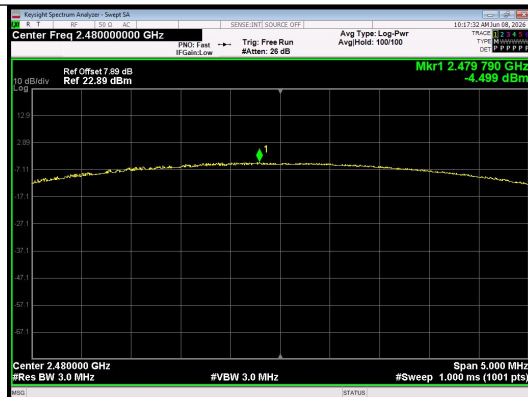
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	ISED EIRP (dBm)	ISED EIRP Limit (dBm)	Max. Avg. Power (dBm)	Result
GFSK	DH1	0	-3.71	≤30	-2.01	≤36.02	None	PASS
		39	-5.45	≤30	-3.75	≤36.02	None	PASS
		78	-6.42	≤30	-4.72	≤36.02	None	PASS
π /4DQPSK	2-DH1	0	-1.91	≤21	-0.21	≤36.02	None	PASS
		39	-3.54	≤21	-1.84	≤36.02	None	PASS
		78	-4.50	≤21	-2.80	≤36.02	None	PASS
8DPSK	3-DH1	0	-1.44	≤21	0.26	≤36.02	None	PASS
		39	-2.99	≤21	-1.29	≤36.02	None	PASS
		78	-3.99	≤21	-2.29	≤36.02	None	PASS

Test Graphs

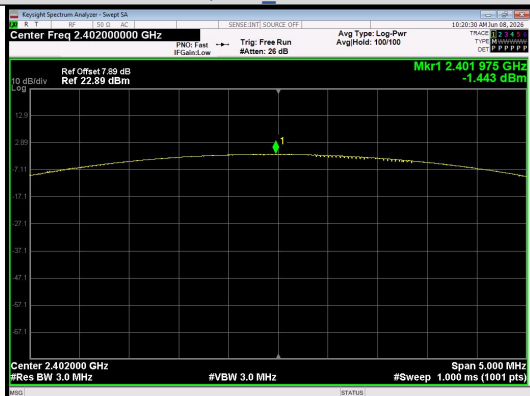




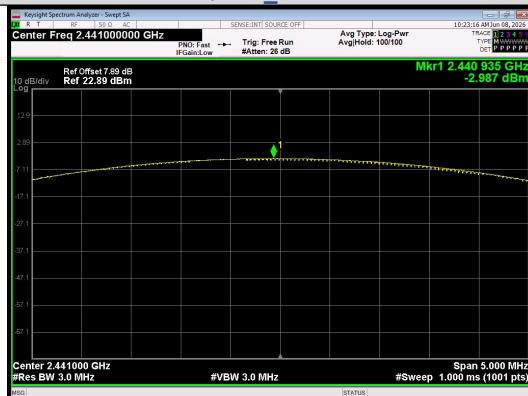
**Peak Output Power
π/4DQPSK_Channel 39**



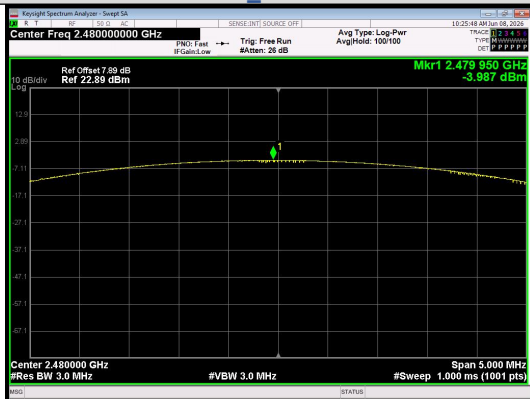
**Peak Output Power
π/4DQPSK_Channel 78**



**Peak Output Power
8DPSK_Channel 0**



**Peak Output Power
8DPSK_Channel 78**



**Peak Output Power
8DPSK_Channel 78**



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A.2 99% BANDWIDTH

Test Result

Modulation	Channel	Center Frequency (MHz)	99% BW (MHz)
GFSK	0	2402	0.74854
	39	2441	0.74663
	78	2480	0.75037
π /4DQPSK	0	2402	1.2212
	39	2441	1.2247
	78	2480	1.2156
8DPSK	0	2402	1.0960
	39	2441	1.1030
	78	2480	1.0999

Test Graphs





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8DPSK 3-DH1_Channel 0



8DPSK 3-DH1_Channel 39



8DPSK 3-DH1_Channel 78



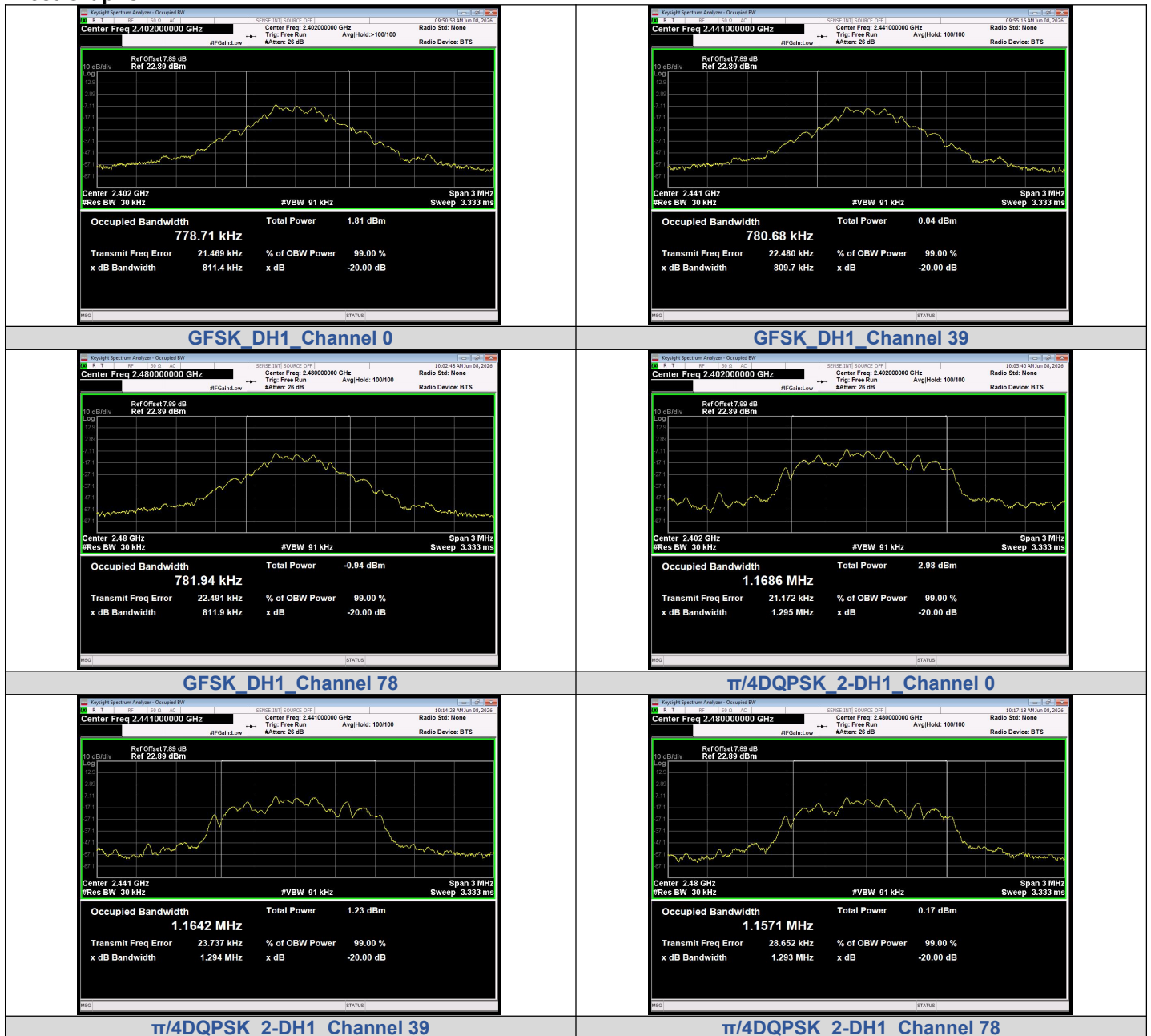
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A.3 20DB BANDWIDTH

Test Result

Modulation	Channel	Center Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	0	2402 MHz	0.8114
	39	2441 MHz	0.8097
	78	2480 MHz	0.8119
$\pi/4$ DQPSK	0	2402 MHz	1.295
	39	2441 MHz	1.294
	78	2480 MHz	1.293
8DPSK	0	2402 MHz	1.253
	39	2441 MHz	1.206
	78	2480 MHz	1.206

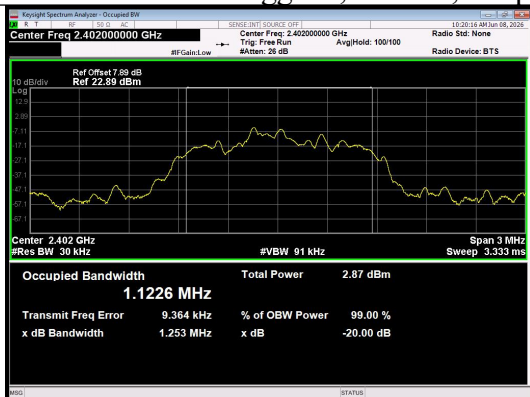
Test Graphs



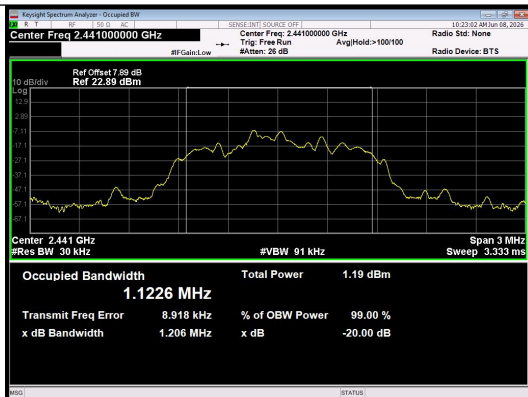


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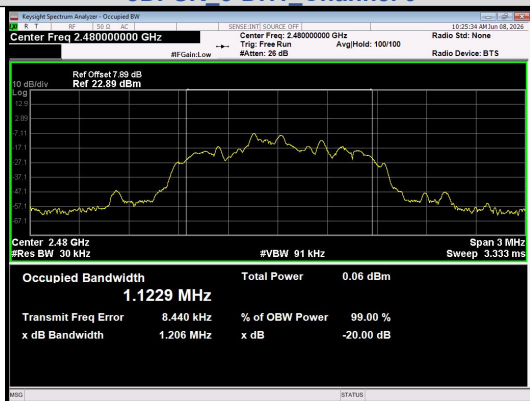
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8DPSK 3-DH1_Channel 0



8DPSK 3-DH1_Channel 39



8DPSK 3-DH1_Channel 78