



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:	Mini stereo amplifier
Model Number:	Tangent Ampster BT III
Trade Name:	Tangent
Date of Receipt:	Jun. 30, 2025
Date of Test:	Jun. 30~Aug. 29, 2025
FCC ID:	2AY2I-TANAMPBTIII
IC:	27035-TANAMPBTIII



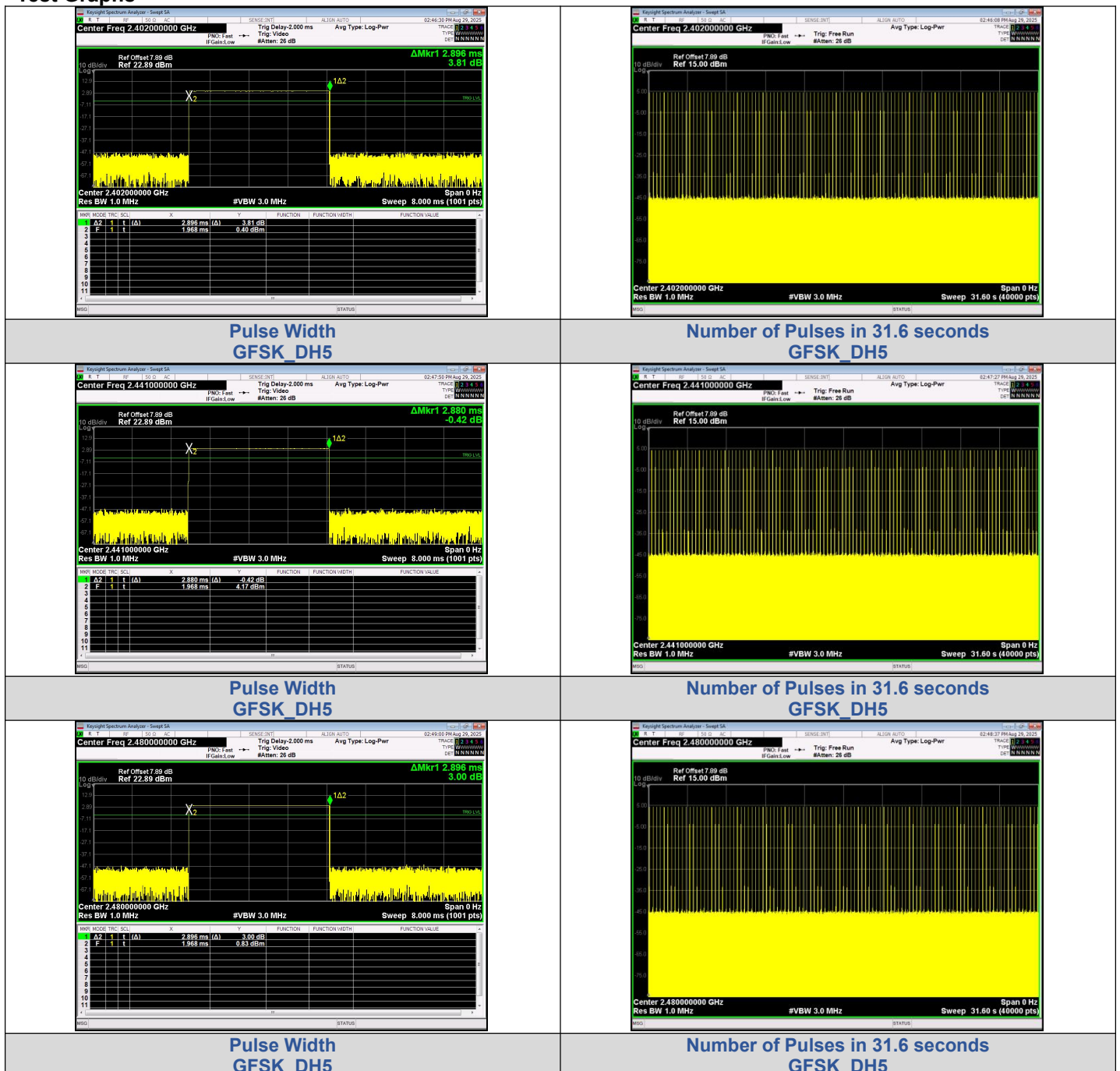
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A.1 DWELL TIME

Test Result

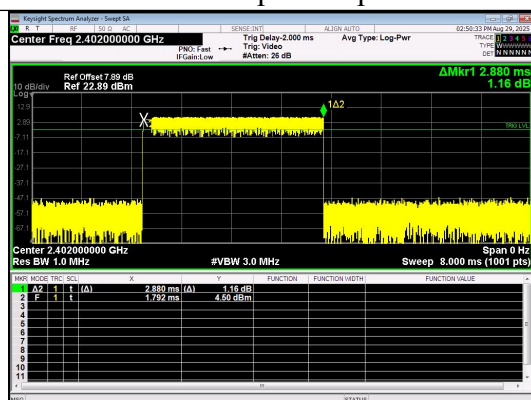
Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	Hopping	2.896	107	309.87	< 400	PASS
	DH5		2.880	106	305.28		PASS
	DH5		2.896	107	309.87		PASS
$\pi/4$ DQPSK	2-DH5		2.880	107	308.16		PASS
	2-DH5		2.896	107	309.87		PASS
	2-DH5		2.880	107	308.16		PASS
8DPSK	3-DH5		2.880	107	308.16		PASS
	3-DH5		2.880	107	308.16		PASS
	3-DH5		2.896	106	306.98		PASS

Test Graphs

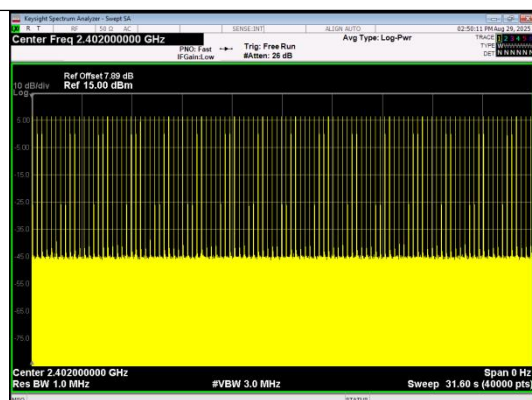




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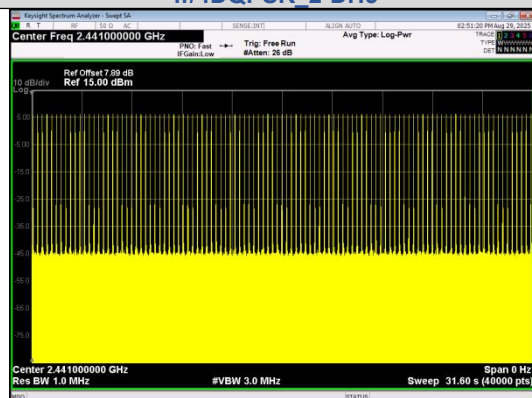
Pulse Width
 $\pi/4$ DQPSK_2-DH5



Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH5



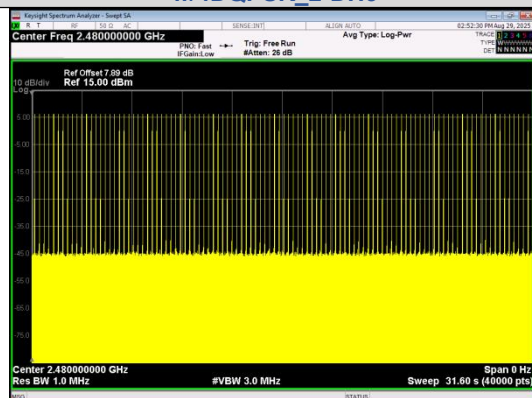
Pulse Width
 $\pi/4$ DQPSK_2-DH5



Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH5



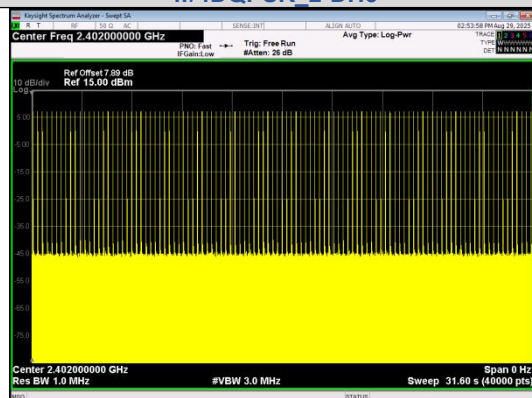
Pulse Width
 $\pi/4$ DQPSK_2-DH5



Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH5



Pulse Width
8DPSK_3-DH5



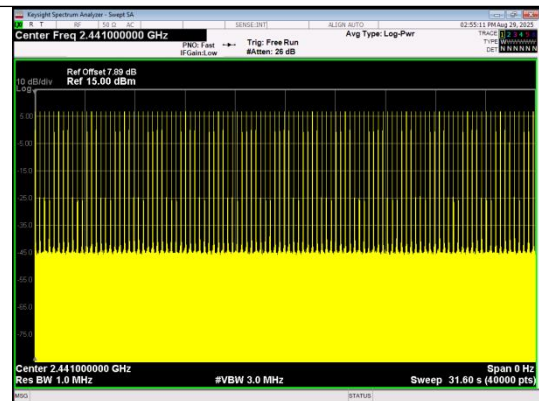
Number of Pulses in 31.6 seconds
8DPSK_3-DH5



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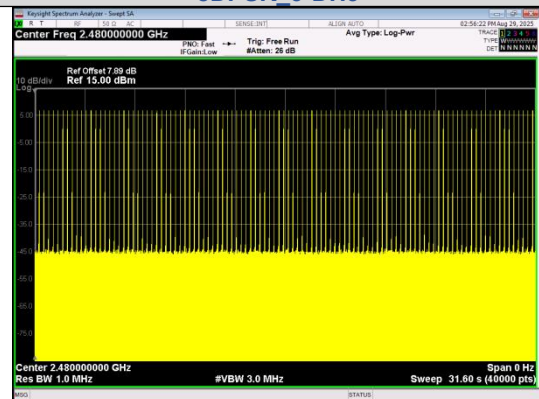
Pulse Width
8DPSK_3-DH5



Number of Pulses in 31.6 seconds
8DPSK_3-DH5



Pulse Width
8DPSK_3-DH5



Number of Pulses in 31.6 seconds
8DPSK_3-DH5



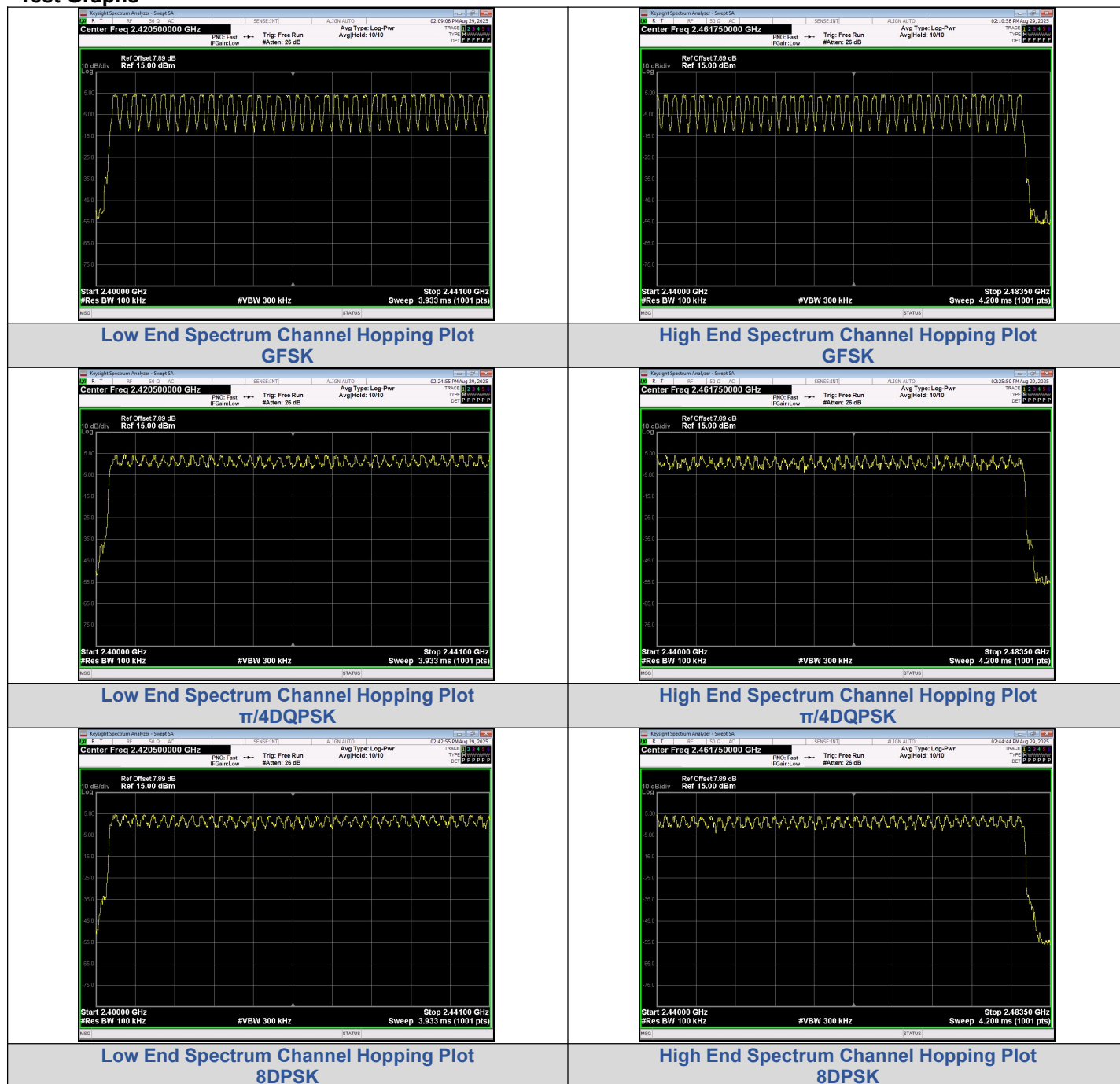
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A.2 NUMBER OF HOPPING CHANNEL

Test Result

Modulation	Packet	Number of Hopping Channel	Limit	Result
GFSK	DH1	79	15	PASS
$\pi/4$ DQPSK	2-DH1	79	15	PASS
8DPSK	3-DH1	79	15	PASS

Test Graphs





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A.3 CONDUCTED PEAK 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	4.39	2.75	None	≤30	PASS
		39	4.21	2.64	None		PASS
		78	4.20	2.63	None		PASS
π/4DQPSK	2-DH1	0	6.86	4.85	None	≤20.97	PASS
		39	4.17	2.61	None		PASS
		78	4.22	2.64	None		PASS
		0	7.58	5.73	None		PASS
8DPSK	3-DH1	39	4.16	2.61	None	≤20.97	PASS
		78	7.36	5.45	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	4.39	≤30	6.390	≤36.02	None	PASS
		39	4.21	≤30	6.210	≤36.02	None	PASS
		78	4.20	≤30	6.200	≤36.02	None	PASS
π/4DQPSK	2-DH1	0	6.86	≤20.97	8.860	≤36.02	None	PASS
		39	4.17	≤20.97	6.170	≤36.02	None	PASS
		78	4.22	≤20.97	6.220	≤36.02	None	PASS
8DPSK	3-DH1	0	7.58	≤20.97	9.580	≤36.02	None	PASS
		39	4.16	≤20.97	6.160	≤36.02	None	PASS
		78	7.36	≤20.97	9.360	≤36.02	None	PASS

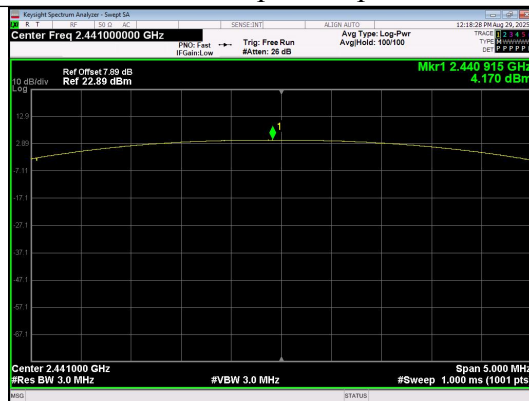
EIRP=Peak Output Power+Antenna gain

Test Graphs

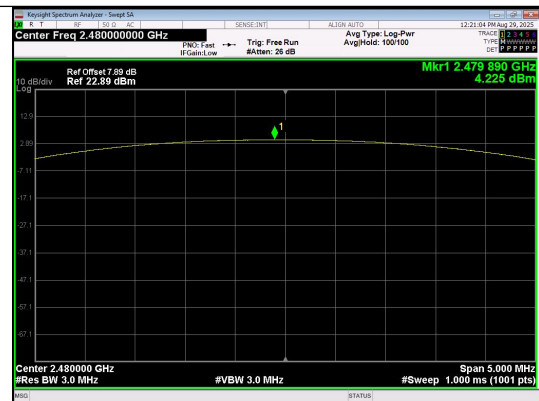




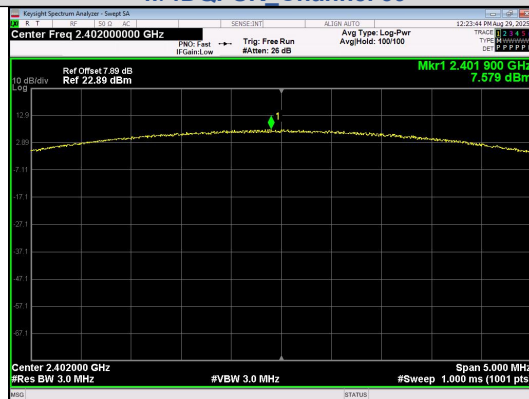
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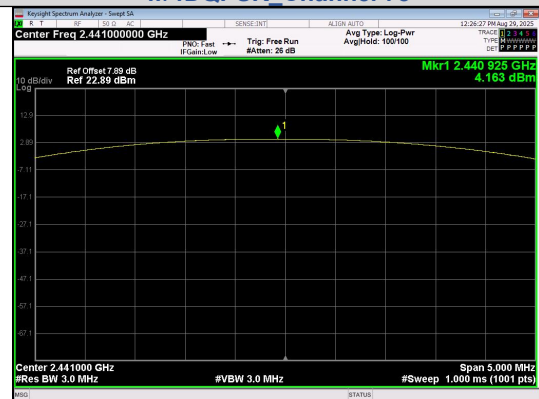
Peak Output Power
 $\pi/4$ DQPSK_Channel 39



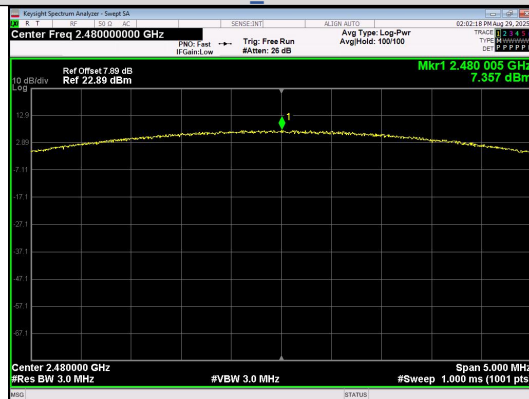
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



Peak Output Power
8DPSK_Channel 78



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A.4 99% BANDWIDTH

Test Result

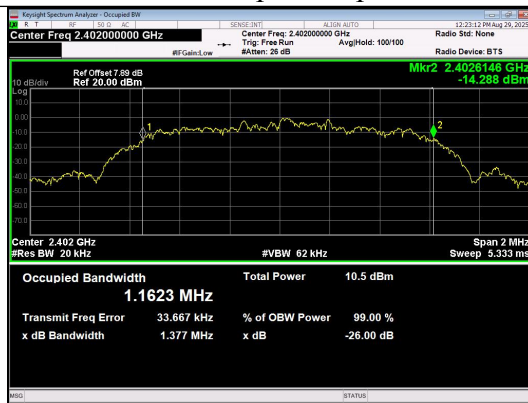
Modulation	Channel	Center Frequency (MHz)	99% BW (MHz)
GFSK	0	2402	0.85818
	39	2441	0.77511
	78	2480	0.85926
π /4DQPSK	0	2402	1.1768
	39	2441	1.1796
	78	2480	1.1760
8DPSK	0	2402	1.1623
	39	2441	1.1651
	78	2480	1.1624

Test Graphs

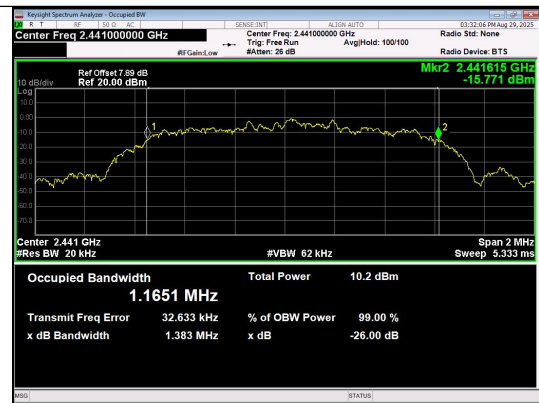




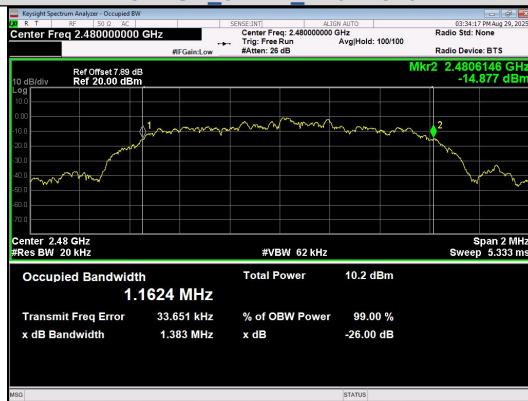
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8DPSK_3-DH1_Channel 0



8DPSK_3-DH1_Channel 39



8DPSK_3-DH1_Channel 78