



RF Conducted Test - appendix III Bluetooth_(Class Bluetooth)_Test data.

E.U.T:	Astrosound 400W Amplifier
Model Number:	AAU-AMP-200-A-BK
Sample ID	33000267026
Sample(s) Status:	Engineer sample
Date of Receipt:	2026.04.15
Date of Test:	2026.04.15 ~ 2026.05.08
FCC ID:	2AI4G-AU-AMP-200
Report No.	2026042186002524-00
Tester	Hugh Zhang

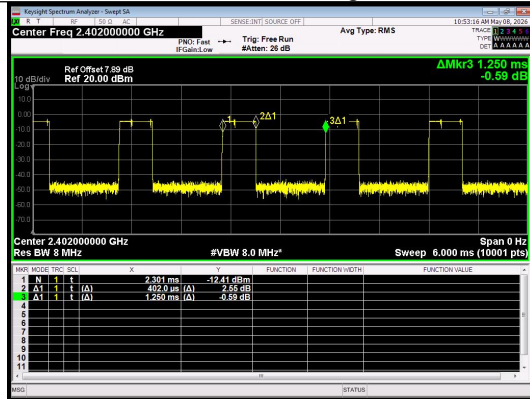
A.1 DUTY CYCLE

Test Result

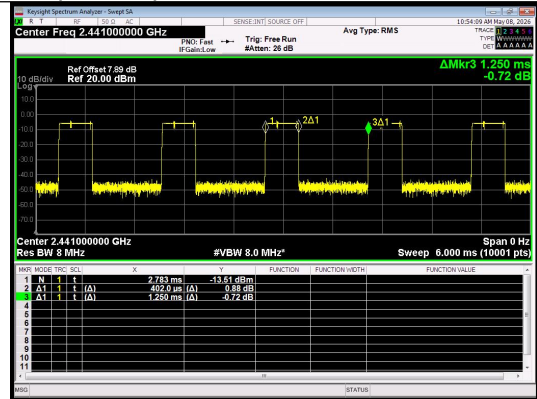
Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH1	0	0.379	1.281	29.60	0.2960	5.2871	2.6385
		39	0.379	1.281	29.60	0.2960	5.2871	2.6385
		78	0.380	1.282	29.63	0.2963	5.2827	2.6316
$\pi/4$ DQPSK	2-DH1	0	0.400	1.249	31.99	0.3199	4.9499	2.5000
		39	0.400	1.250	31.97	0.3197	4.9526	2.5000
		78	0.400	1.250	31.97	0.3197	4.9526	2.5000
8DPSK	3-DH1	0	0.402	1.250	32.17	0.3217	4.9255	2.4876
		39	0.402	1.250	32.17	0.3217	4.9255	2.4876
		78	0.402	1.250	32.17	0.3217	4.9255	2.4876

Test Graphs

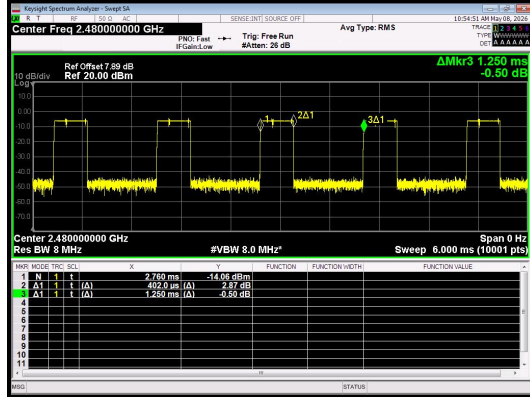




8DPSK(3-DH1)_Channel 0



8DPSK(3-DH1)_Channel 39



8DPSK(3-DH1)_Channel 78

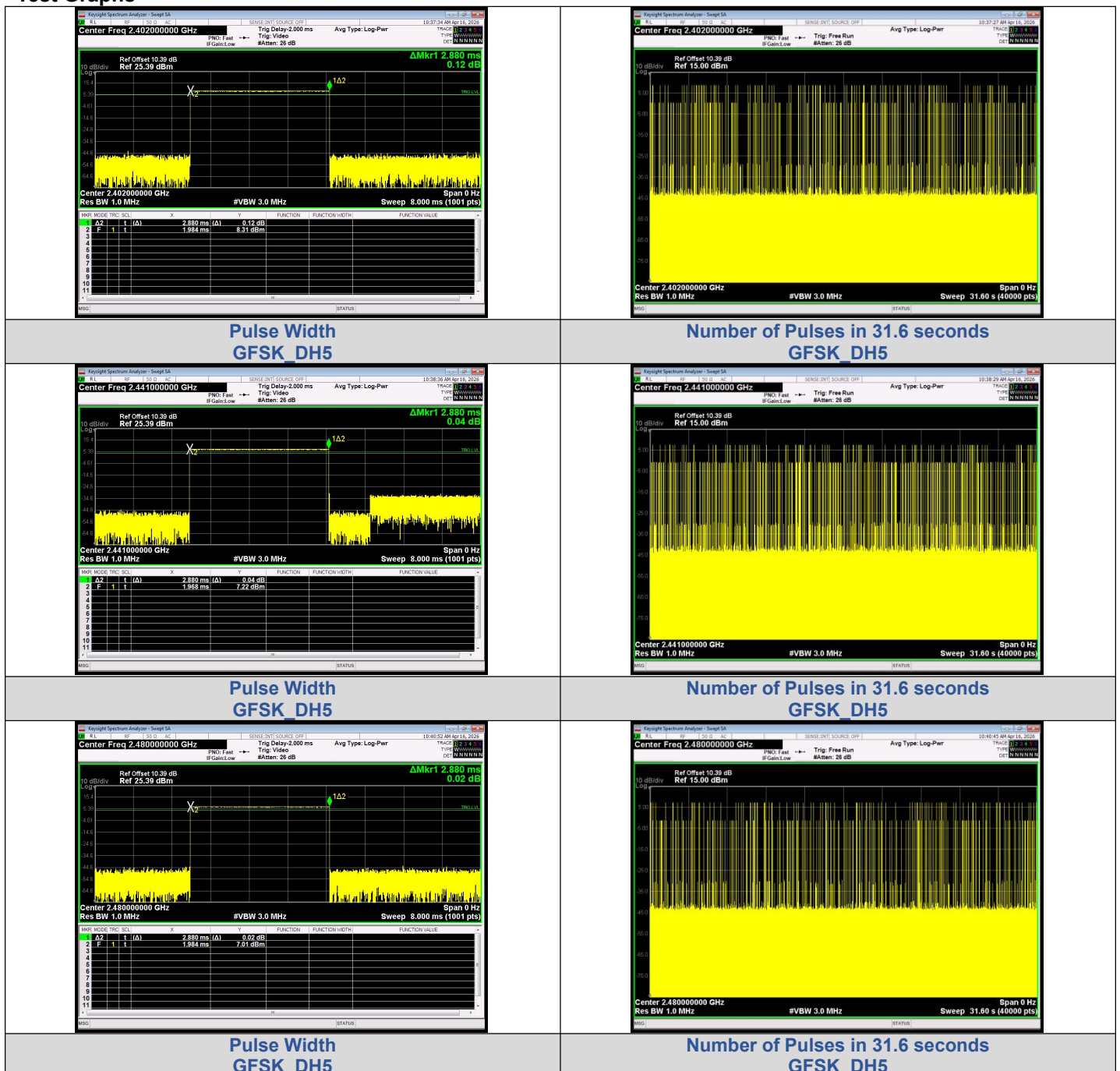
A.2 DWELL TIME

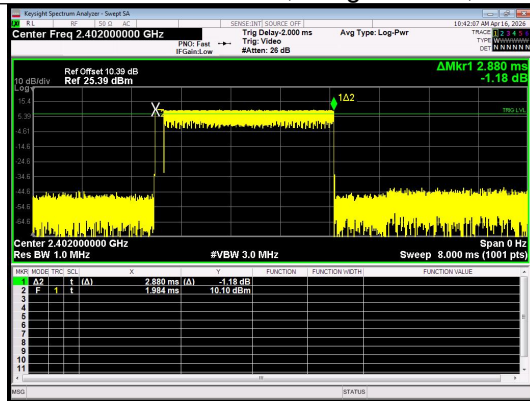
Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	Hopping	2.880	113	325.44	< 400	PASS
	DH5		2.880	104	299.52		PASS
	DH5		2.880	101	290.88		PASS
$\pi/4$ DQPSK	2-DH5		2.880	108	311.04		PASS
	2-DH5		2.880	91	262.08		PASS
	2-DH5		2.896	95	275.12		PASS
8DPSK	3-DH5		2.896	93	269.33		PASS
	3-DH5		2.896	109	315.66		PASS
	3-DH5		2.896	117	338.83		PASS

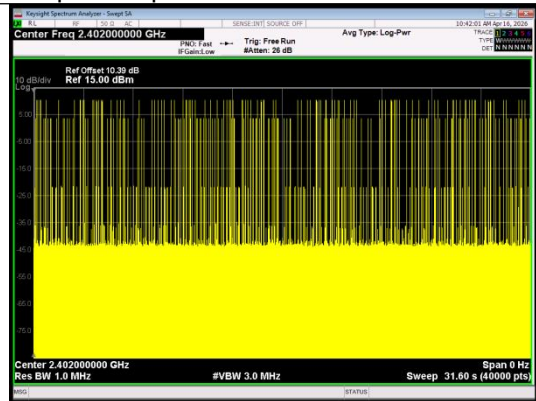
Note: Dwell time= Pulse time(ms)*Number of Pulses in 31.6 seconds

Test Graphs

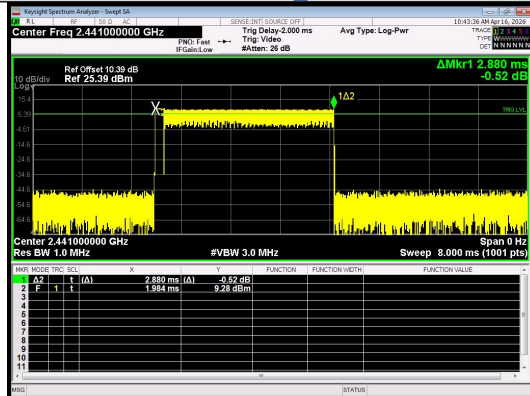




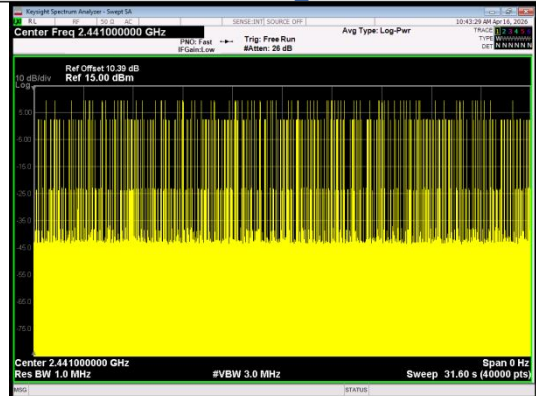
Pulse Width
 $\pi/4$ DQPSK_2-DH5



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



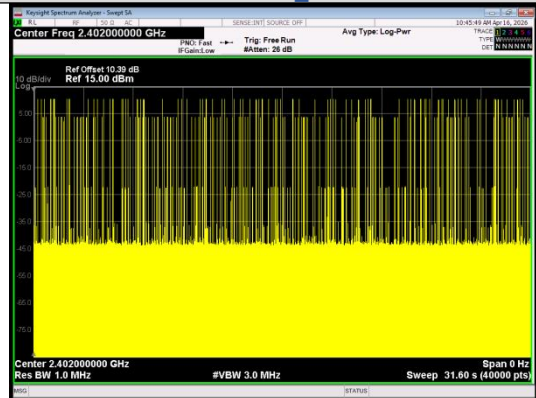
Pulse Width
 $\pi/4$ DQPSK_2-DH5



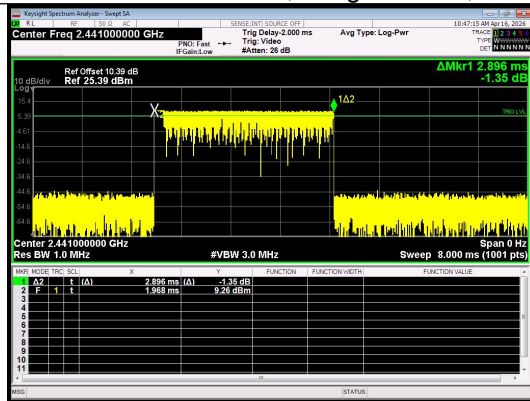
Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH5



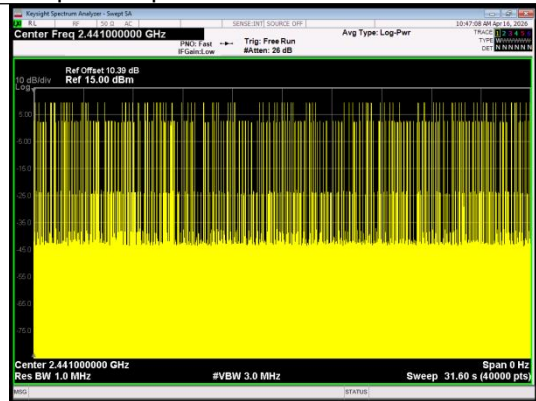
Pulse Width
8DPSK_3-DH5



Number of Pulses in 31.6 seconds
8DPSK_3-DH5



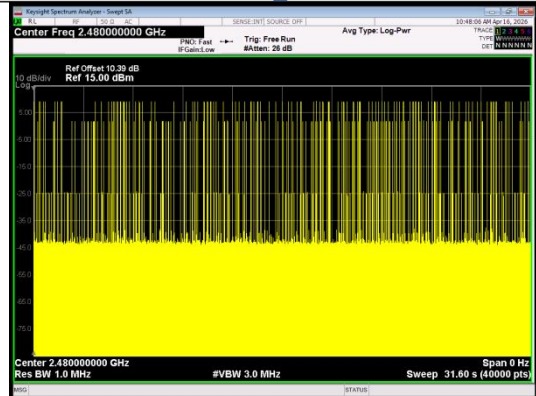
Pulse Width
8DPSK 3-DH5



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

A.3 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

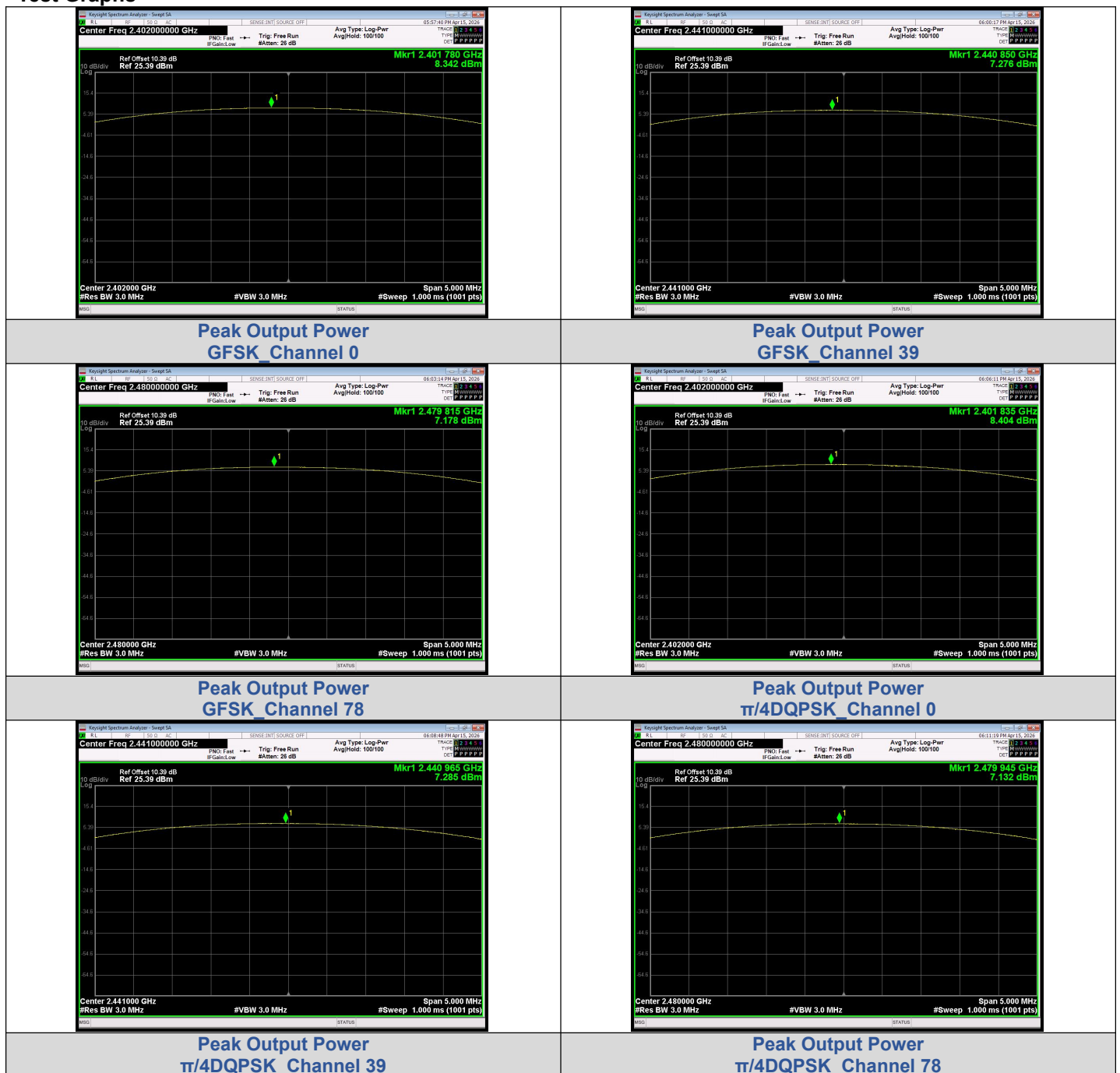


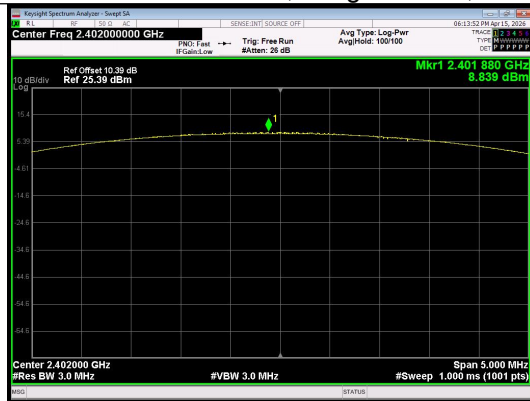
A.4 CONDUCTED PEAK OUTPUT POWER

Test Result

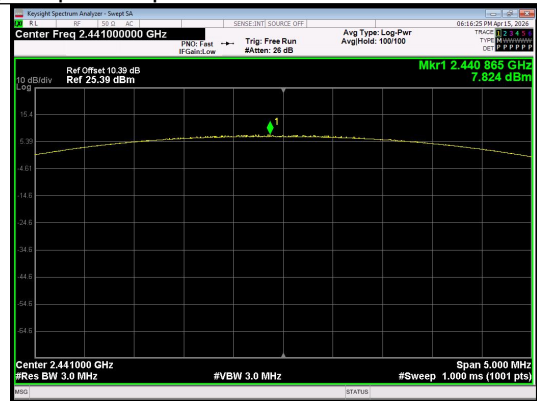
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH1	0	8.34	6.83	None	≤30	PASS
		39	7.28	5.34	None		PASS
		78	7.18	5.22	None		PASS
$\pi/4$ DQPSK	2-DH1	0	8.40	6.92	None		PASS
		39	7.29	5.35	None		PASS
		78	7.13	5.17	None		PASS
8DPSK	3-DH1	0	8.84	7.65	None		PASS
		39	7.82	6.06	None		PASS
		78	7.70	5.89	None		PASS

Test Graphs

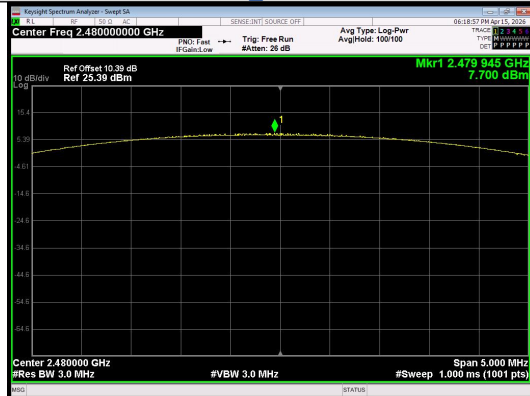




Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



Peak Output Power
8DPSK_Channel 78