

KTL Test Report:

0R03222
Issue 2.0

Applicant:

Nortel Networks
21 Richardson Side Road
Kanata, Ontario
K2K 2C1

**Equipment Under Test:
(E.U.T.)**

CTR 24-01M, RWI P/N 101851-26
Nortel CPC: A0760008

Also Covers CTR 24-01MO, NTVG12BD

In Accordance With:

FCC Part 101, Subpart C

Tested By:

KTL Ottawa Inc.
3325 River Road, R.R. 5
Ottawa, Ontario K1V 1H2

Authorized By:



R. Grant, Wireless Manager

Date:

January 24, 2001

Total Number of Pages:

68

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Section 1. Summary of Test Results

General

All measurements are traceable to national standards.

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 101, Subpart C.

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New Submission
Class II Permissive Change

☒
☐

Production Unit
Pre-Production Unit

T	N	B
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Equipment Code

THIS TEST REPORT RELATES ONLY TO THE ITEM(S) TESTED.

THE FOLLOWING DEVIATIONS FROM, ADDITIONS TO, OR EXCLUSIONS FROM THE TEST SPECIFICATIONS HAVE BEEN MADE.

See "Summary of Test Data".



NVLAP LAB CODE: 100351-0

A handwritten signature in blue ink, appearing to read "Glen Westwell", is shown above the printed name.

TESTED BY:

Glen Westwell, Technologist

DATE: January 24, 2001

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This report applies only to the items tested.

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Summary Of Test Data

Name Of Test	Para. No.	Result
RF Power Output	101.113	Complies
Occupied Bandwidth	101.111	Complies
Spurious Emissions at Antenna Terminals	101.111	Complies
Field Strength of Spurious Emissions	101.111	Complies
Frequency Stability	101.107	Complies

Footnotes For N/A's:**Test Conditions:**

Indoor Temperature: 24 °C
 Humidity: 42 %

Outdoor Temperature: N/A
 Humidity: N/A

.

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Section 2. General Equipment Specification

Manufacturer:	Nortel Networks
Model No.:	CTR 24-01M, SW Version 1.2 RWI P/N 101851-26 Nortel CPC: A0760008
Serial No.:	None
Date Received In Laboratory:	October 30, 2000
KTL Identification No.:	Item #1
Transmitter	
Supply Voltage Input:	+18 VDC
Frequency Range:	Tx 25.05260 GHz to 25.24740 GHz @ 3.3 MHz Channel Spacing Tx = 25.05370 GHz to 25.24630 GHz @ 5.5 MHz Channel Spacing
Tunable Bands:	None
Types of Modulation:	4, 16, 64 QAM @ 2.048 Msps FDMA @ 4.224 Msps FDMA
Internal/External Data Source:	External
Emission Designator:	2M18D9W & 5M48D9W @ 3.3 MHz CH. Spacing 4M43D9W & 9M93D9W @ 5.5 MHz CH. Spacing
Output Impedance:	50 Ω
RF Power Output (rated):	12 dBm to 18 dBm
Channel Spacing(s):	3.3 MHz @ 2.048 Msps 5.5 MHz @ 4.224 Msps
Power Output Adjustment Capability:	0-21 dBm Attenuation

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Equipment Under Test

- (1) CTR 24-01M, RWI P/N 101851-26, Nortel CPC: A0760008
- (2) NIU 6154 NTVJ09CA 02
 NNTM532LMU39
- (3) NIU 6154 NTVJ09CA 02
 NNTM532LN60A

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Section 3. RF Power Output**Para. No.: 1.1046**

Test Performed By: Glen Westwell	Date of Test: November 3, 2000
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Minimum Standard: 101.113 (a)**Test Results:** Complies.

The RF output power is within 1 dBm of the rated power.

Measurement Data:

	Rated (dBm)	Measured (dBm)
1 Carrier	18	18.7
	16	16.6
	14	14.5
2 Carriers	18	18.7
	15	15.4
	12	12.5

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Section 4. Occupied Bandwidth

Para. No.: 2.1049

Test Performed By: Glen Westwell	Date of Test: November 3, 2000
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Minimum Standard: 101.111 (a)(2)(ii)

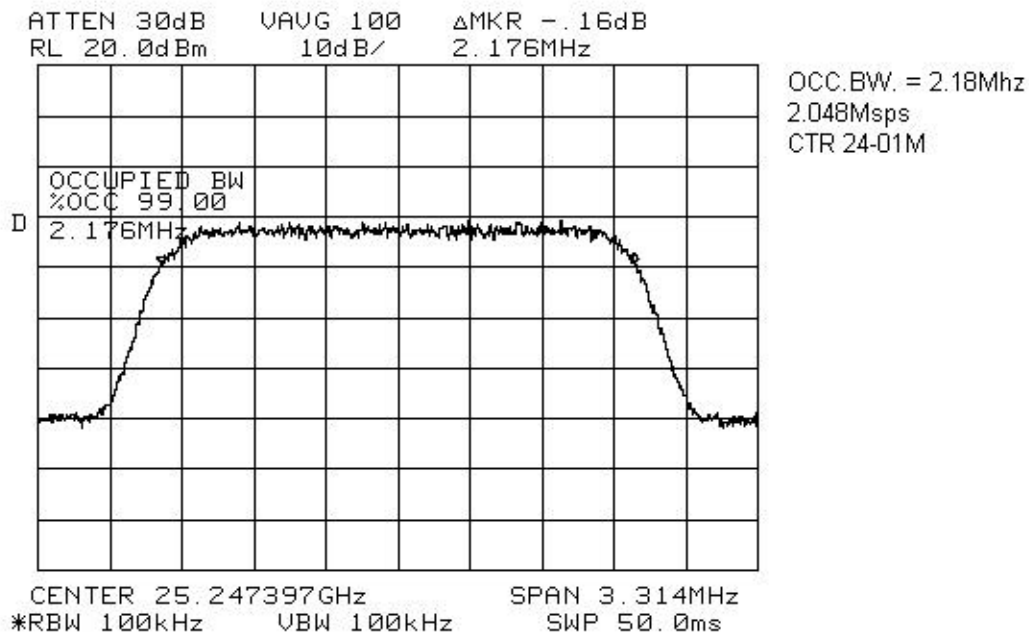
Test Results: Complies.

Test Data: See attached graph(s).

Note: In plots where 100 kHz RBW was used, the limit has been decreased by another 10 dB.

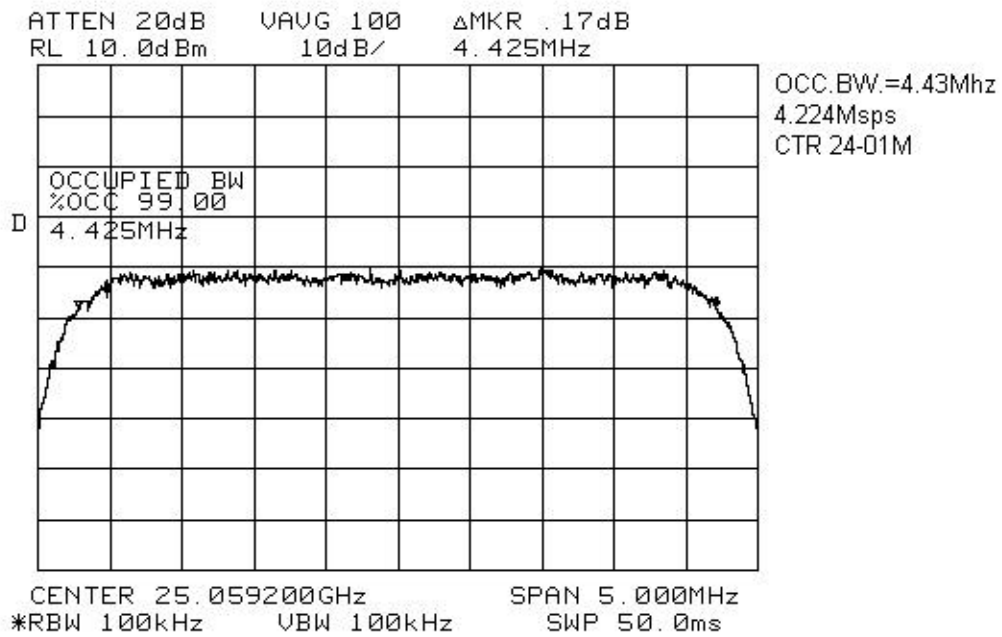
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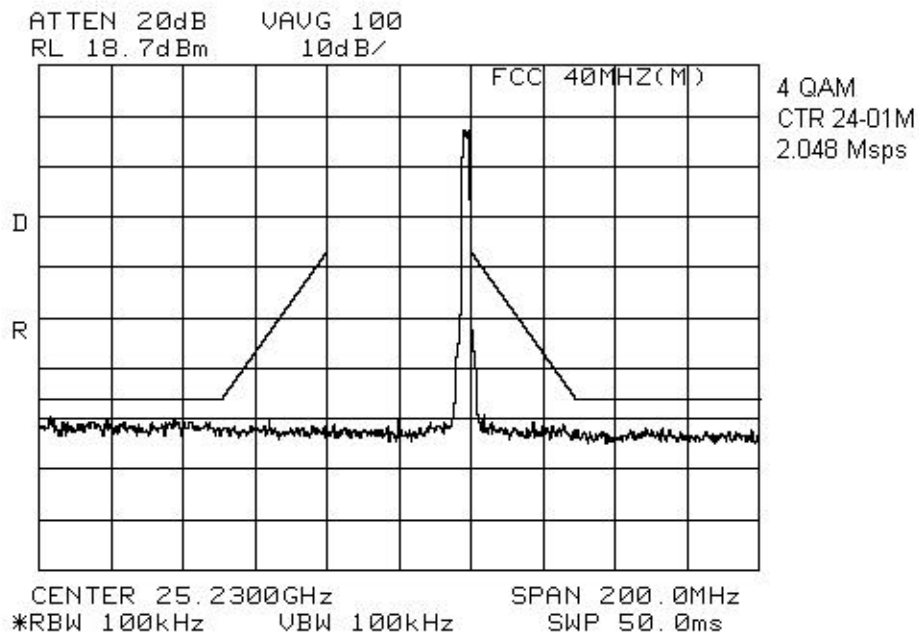
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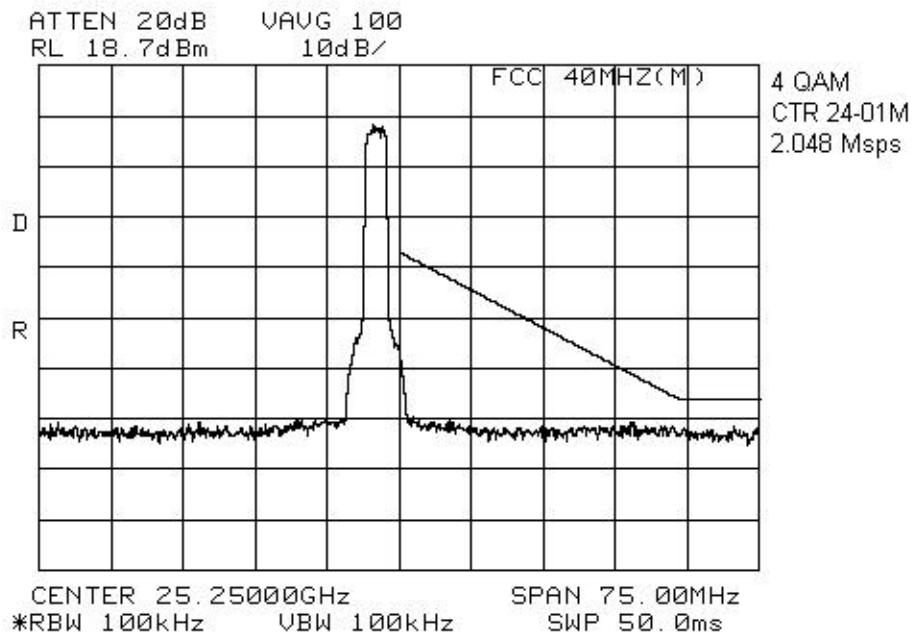
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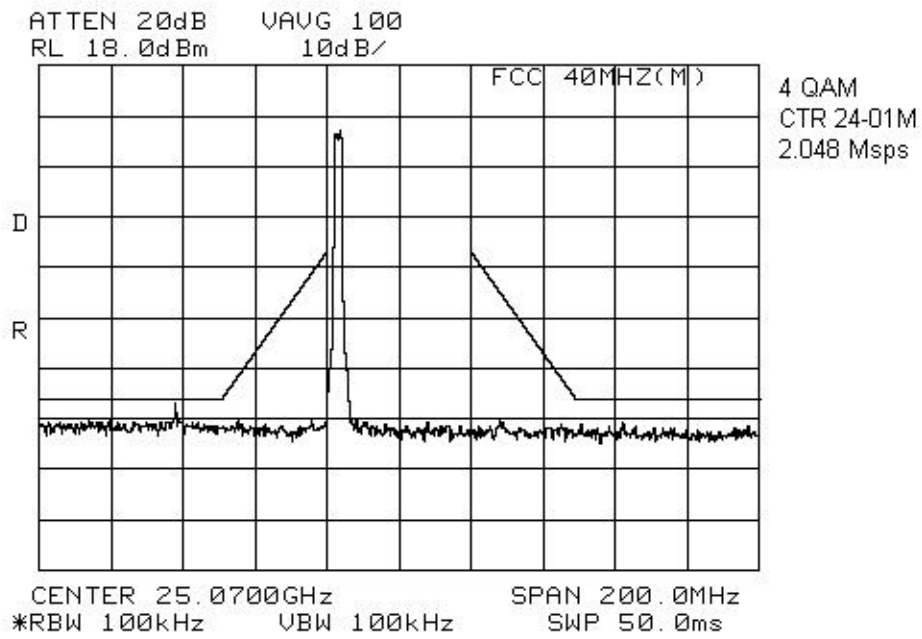
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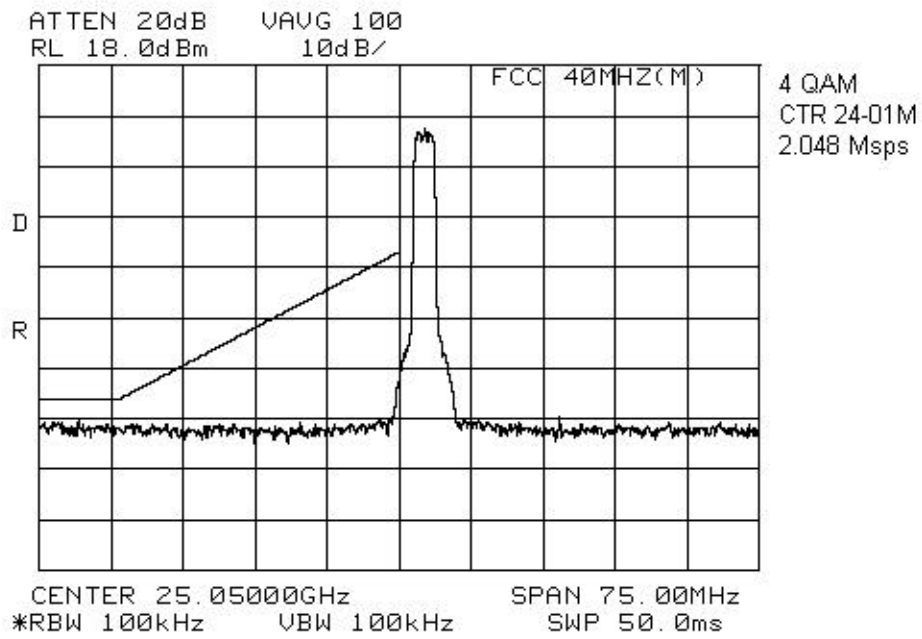
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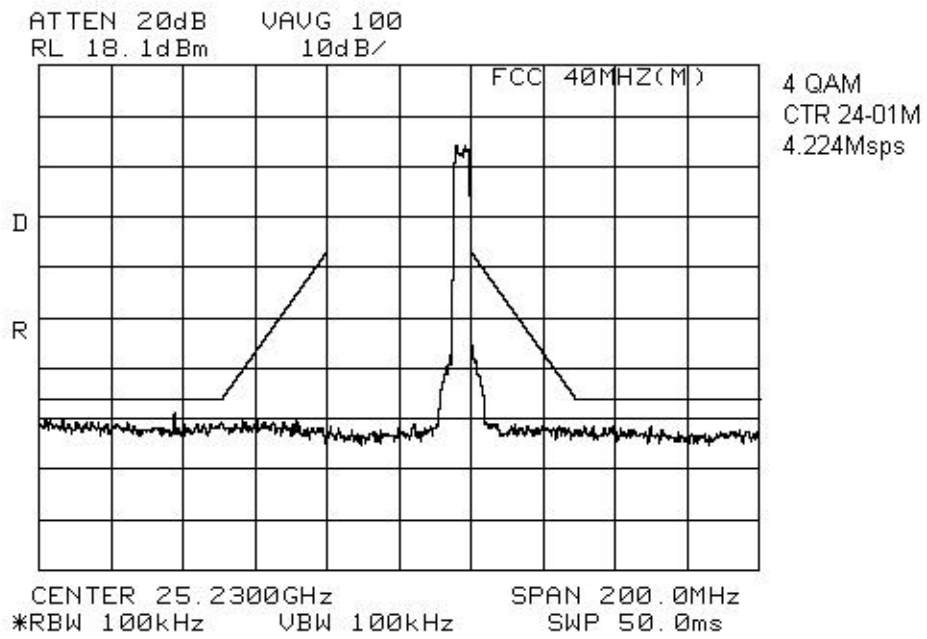
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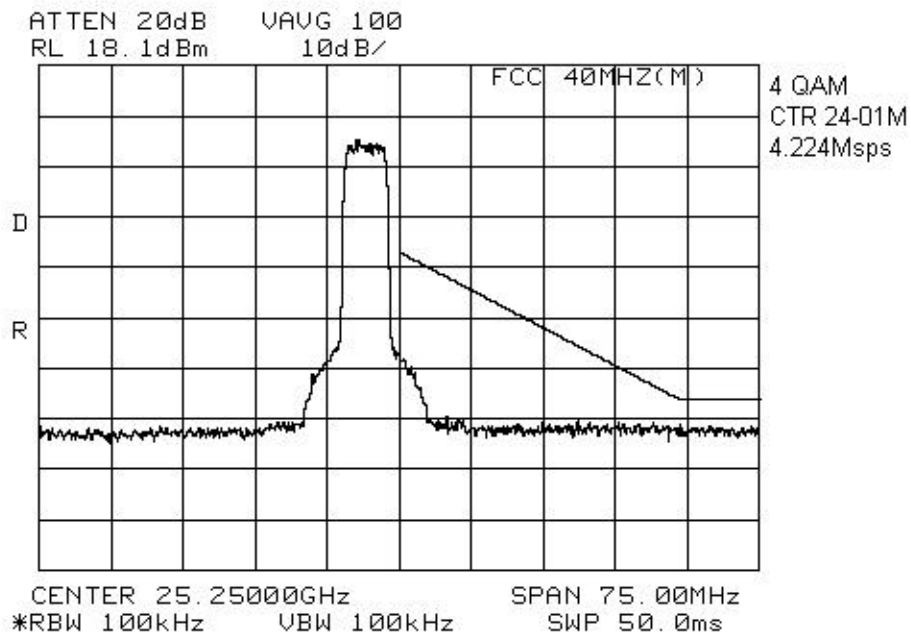
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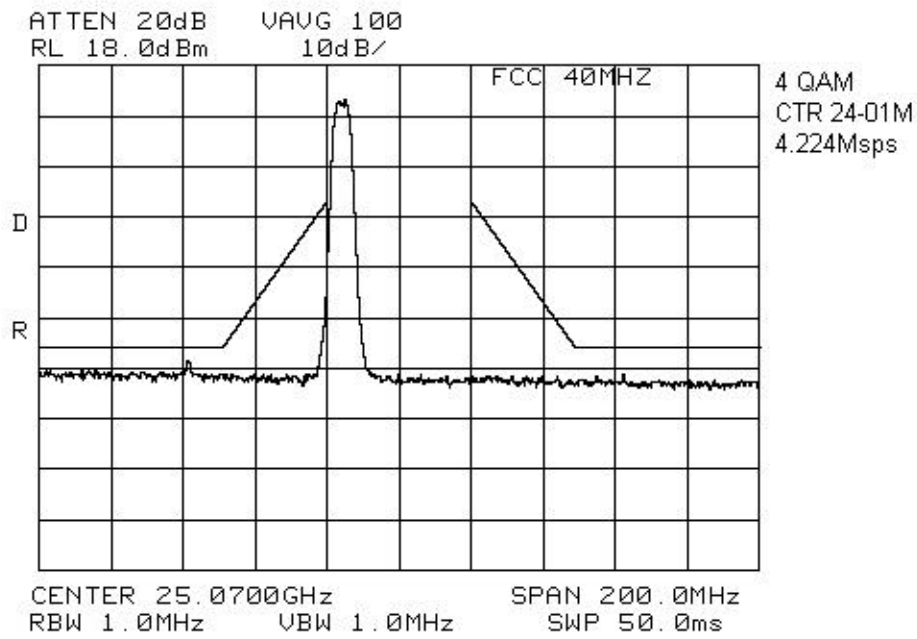
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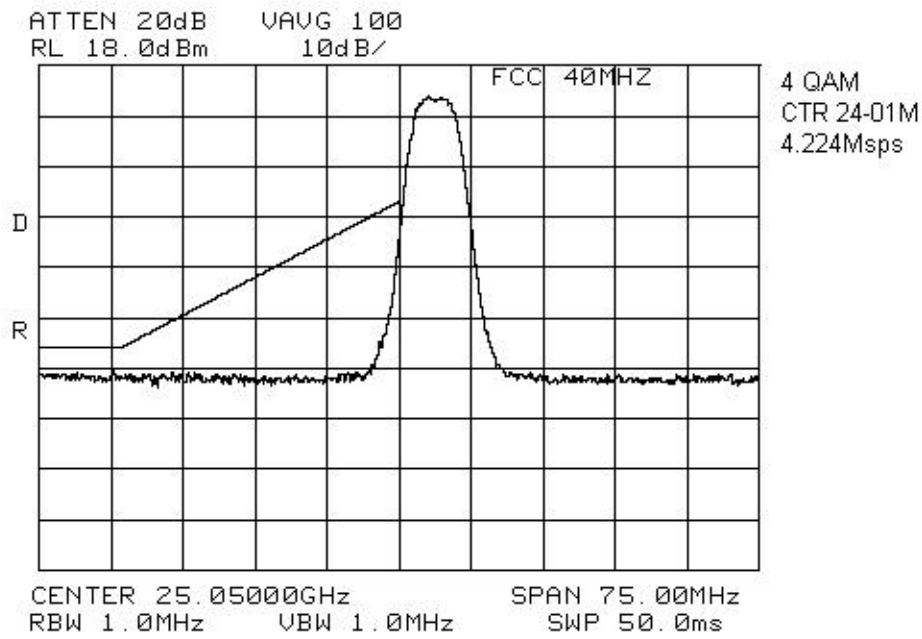
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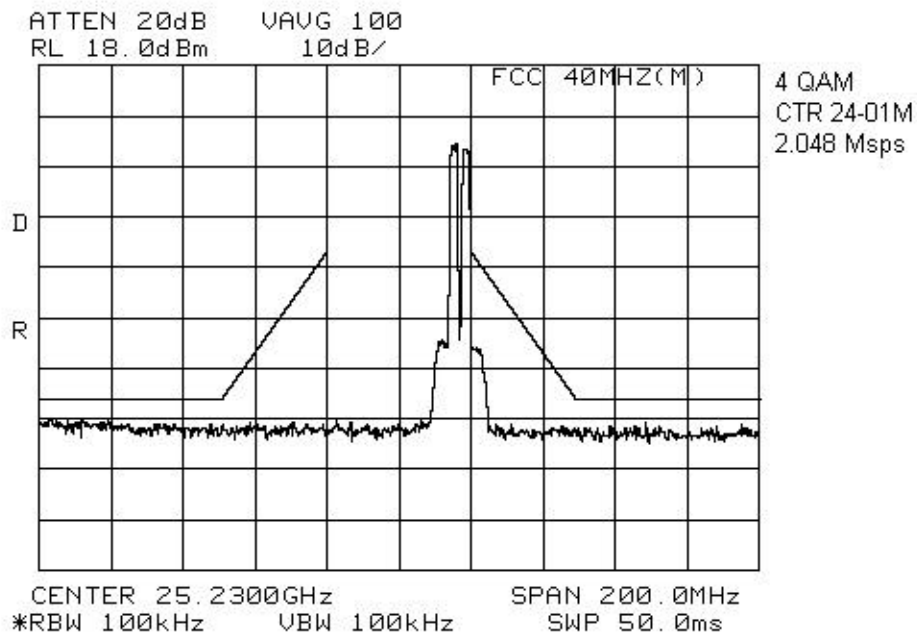
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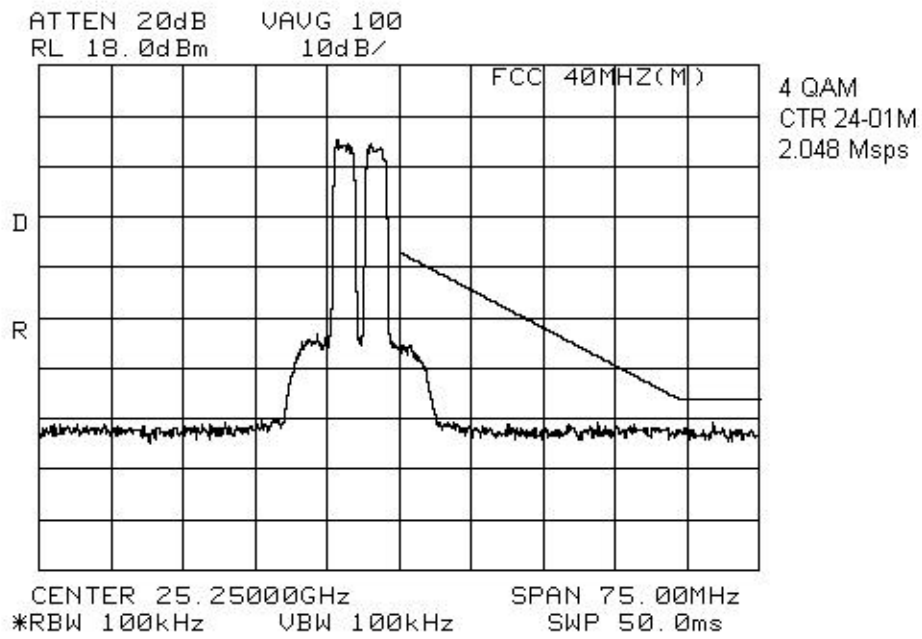
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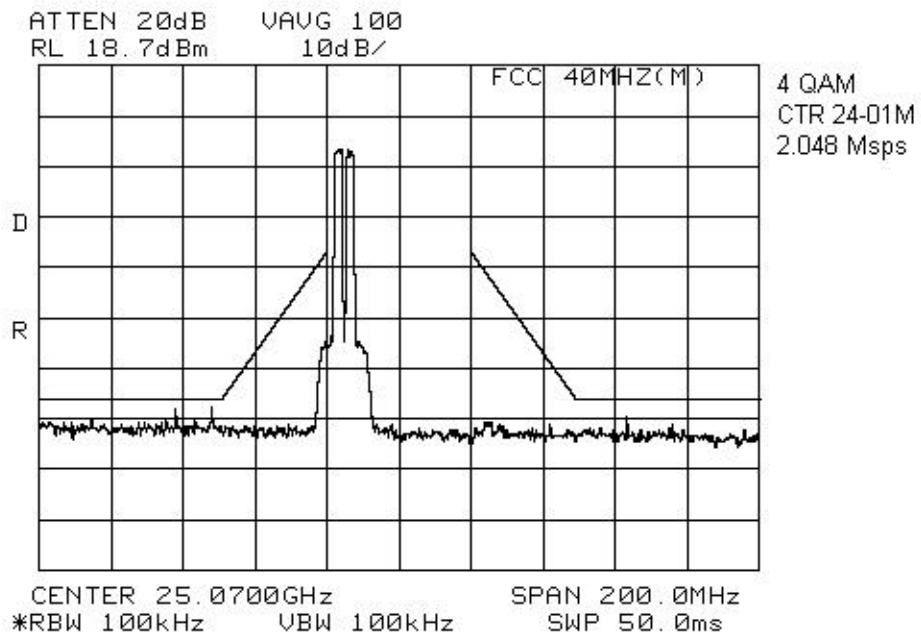
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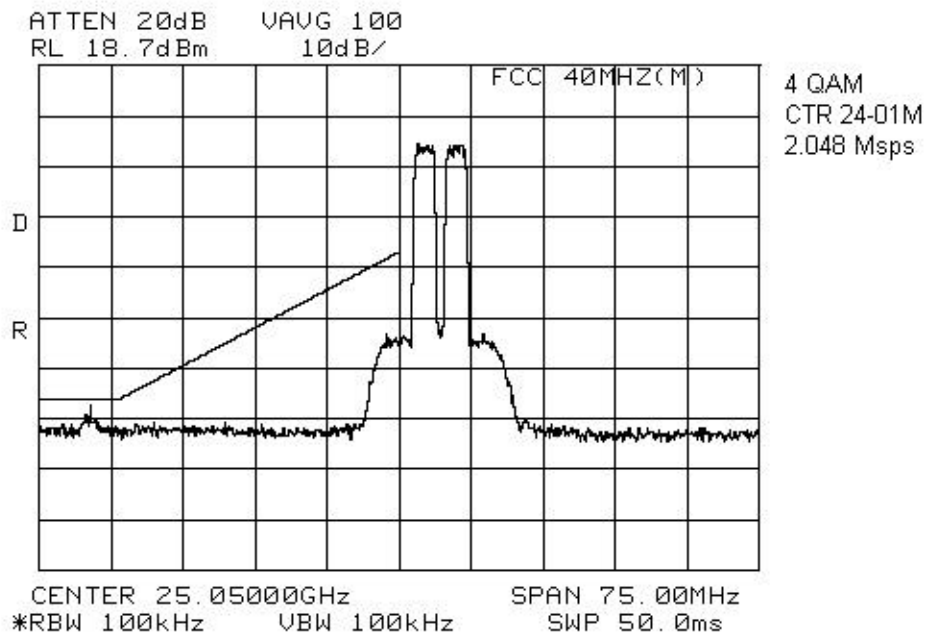
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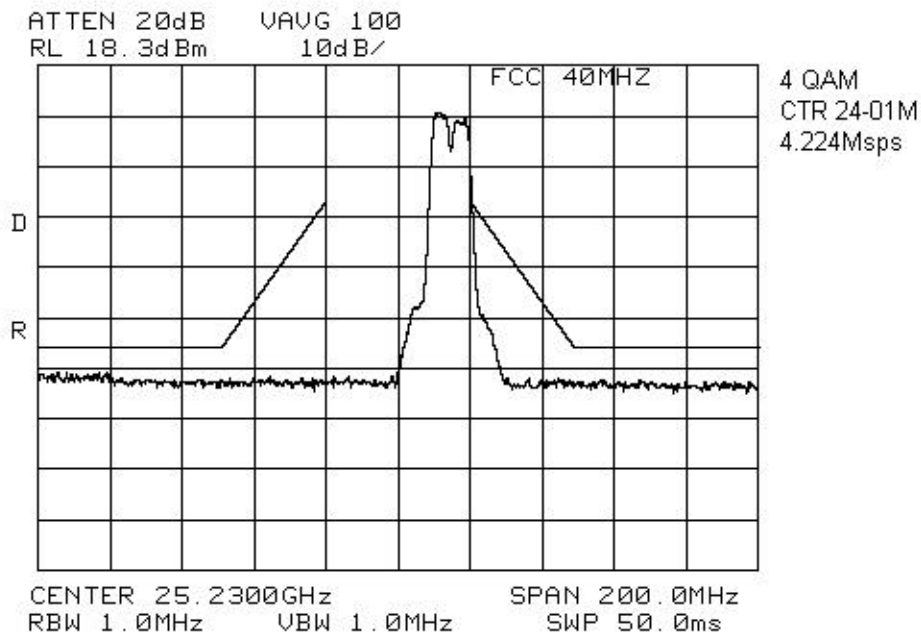
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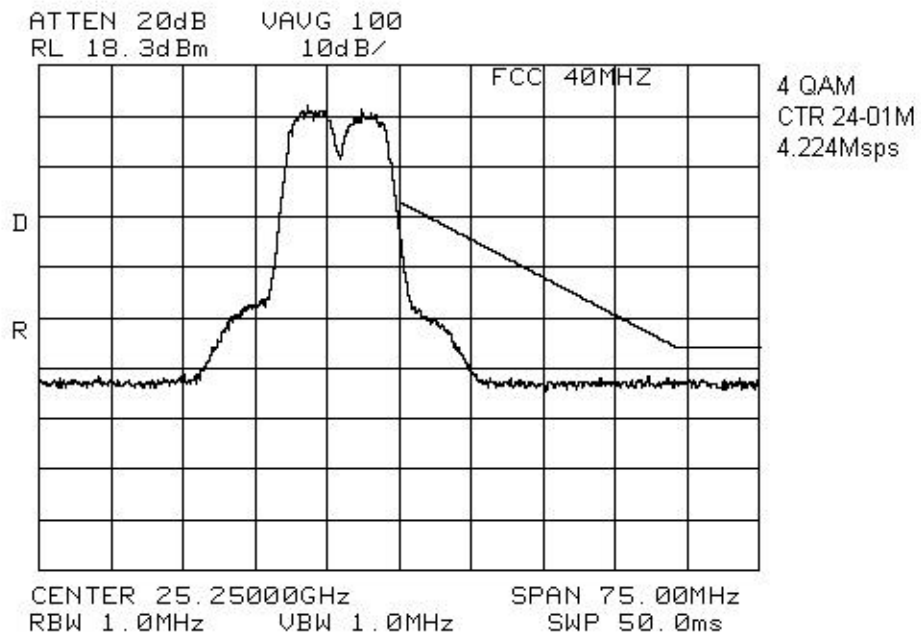
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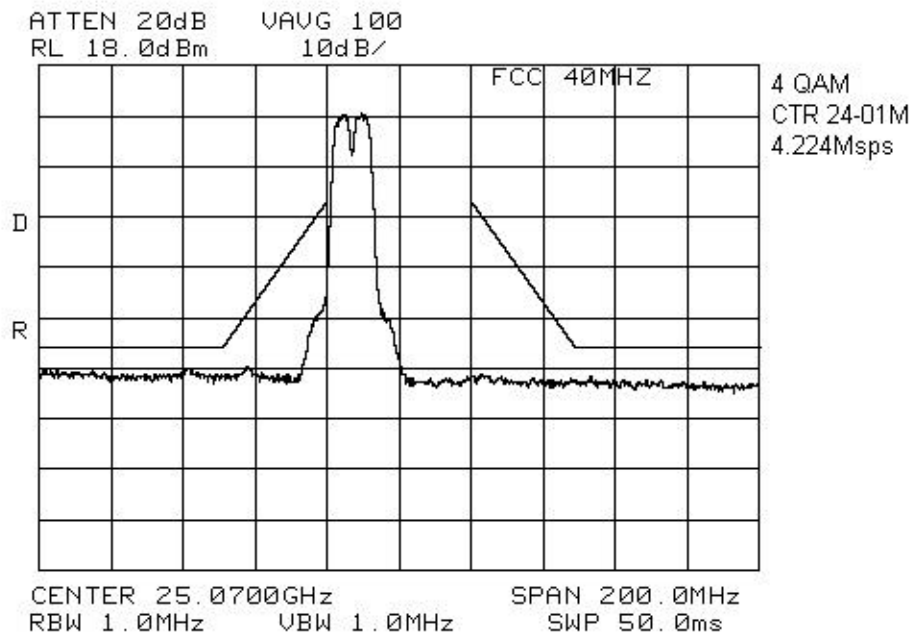
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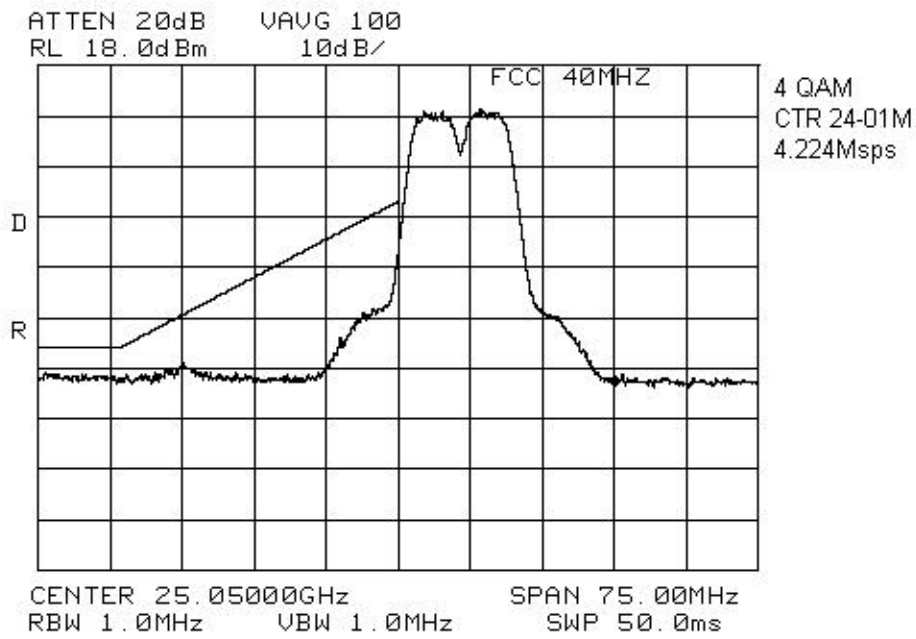
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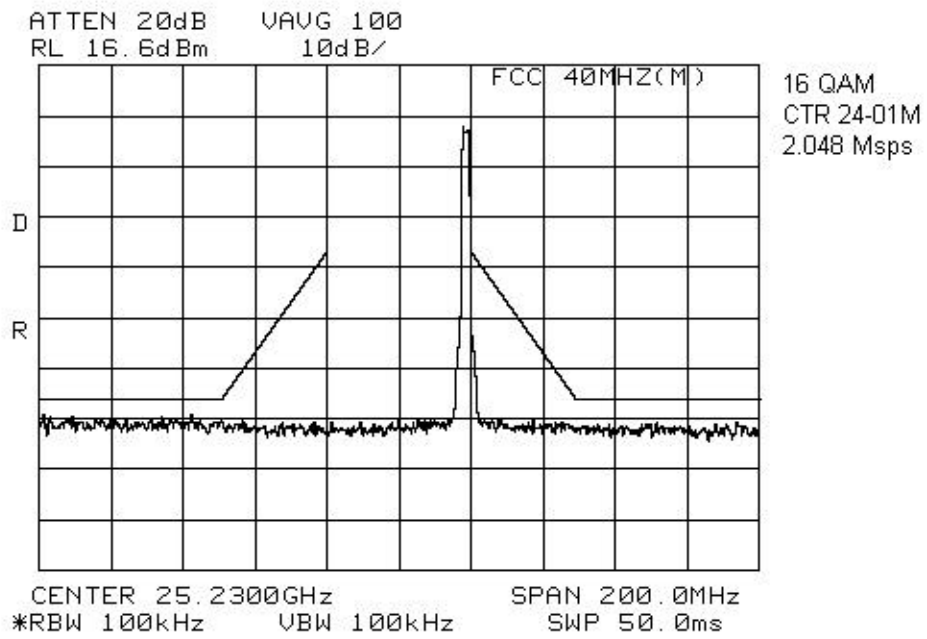
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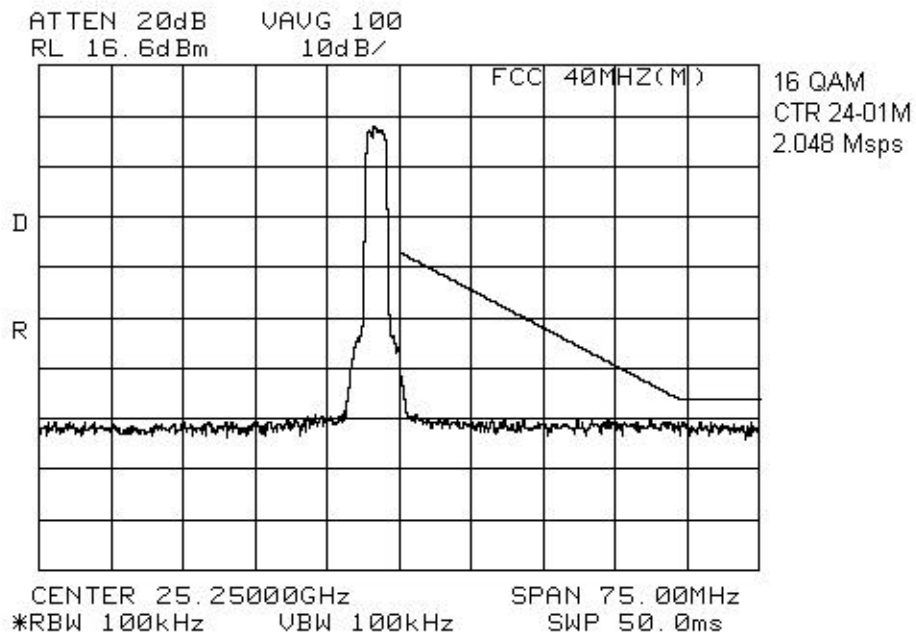
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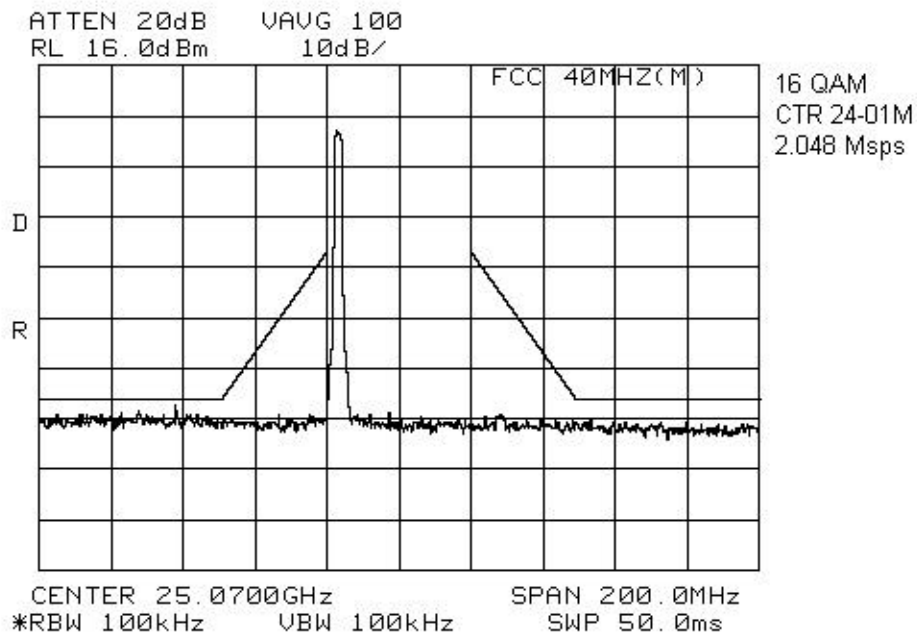
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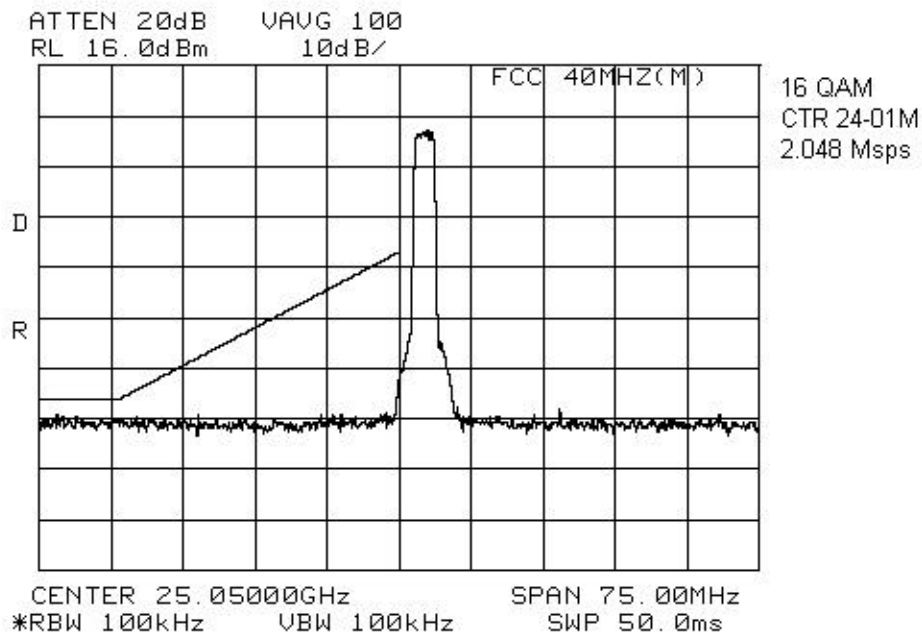
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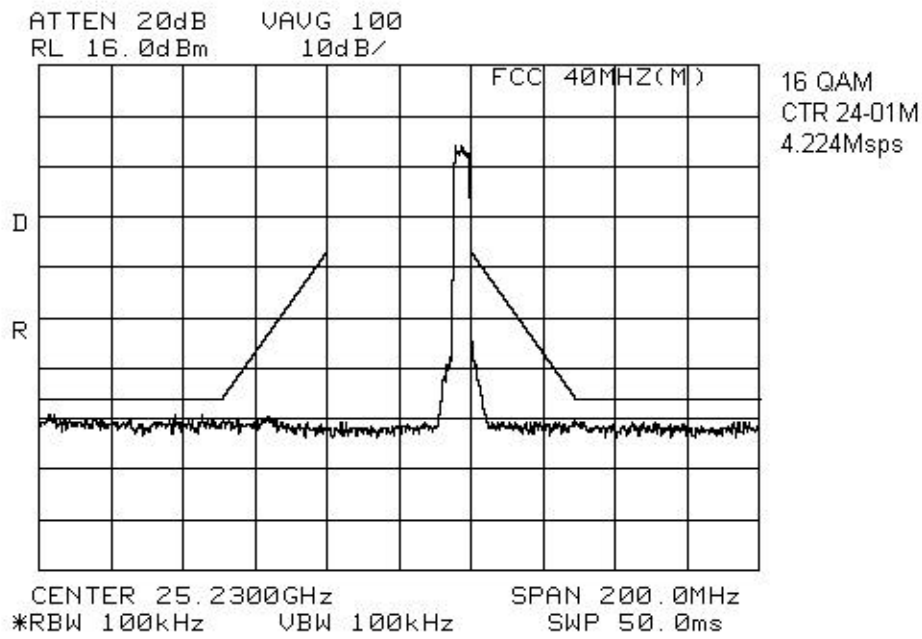
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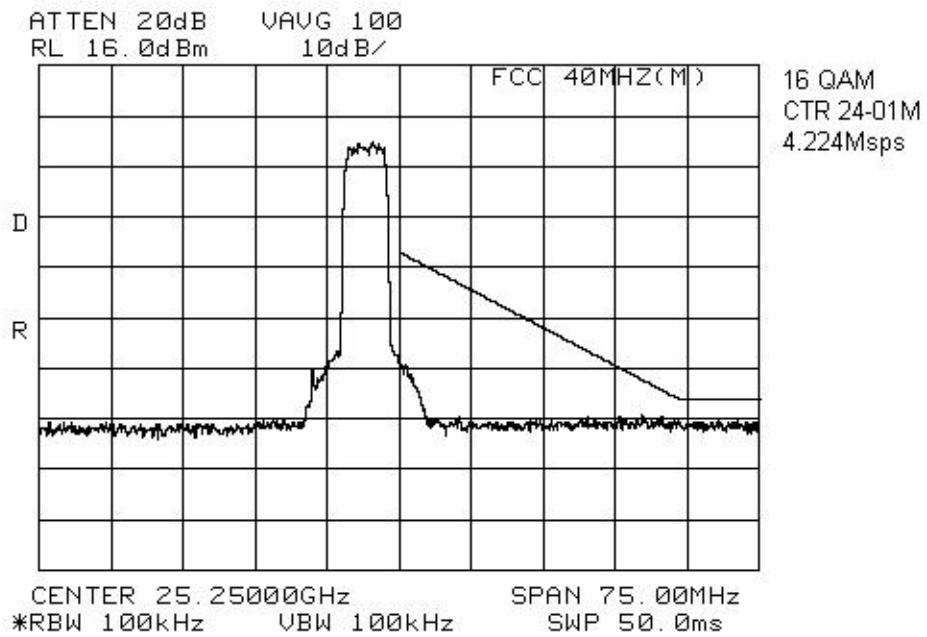
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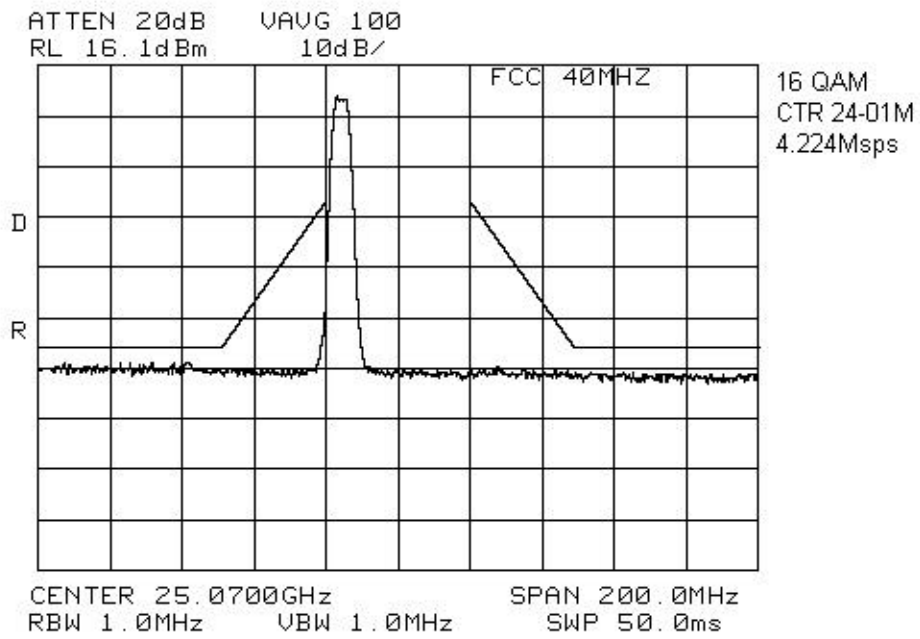
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