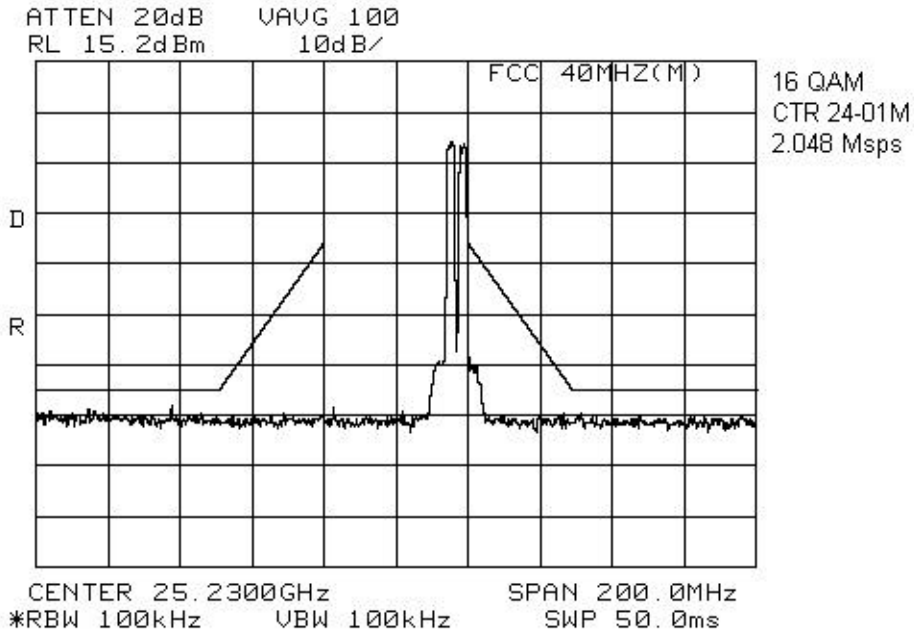
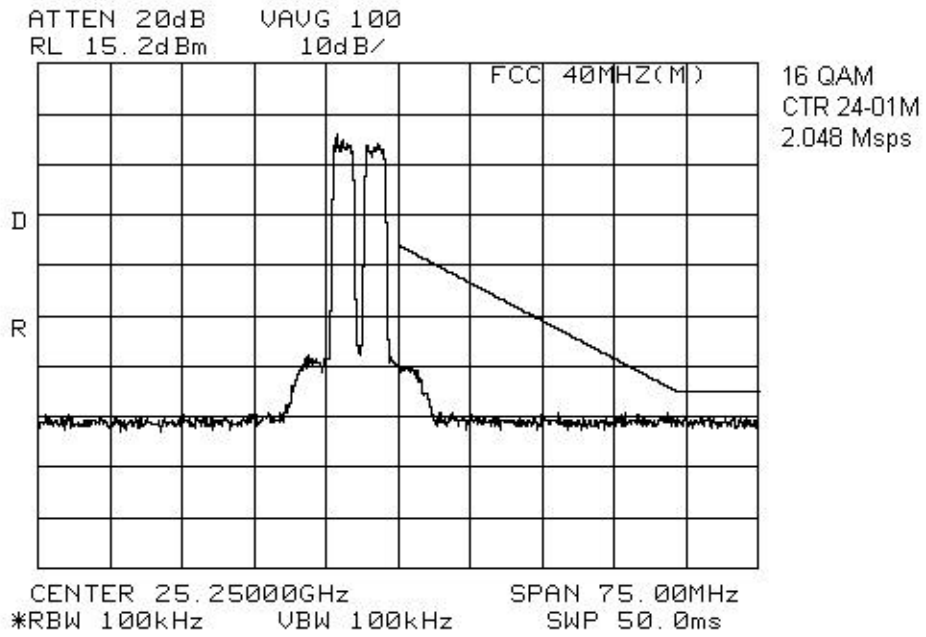


EQUIPMENT: CTR 24-01M
ISSUE: 2.0

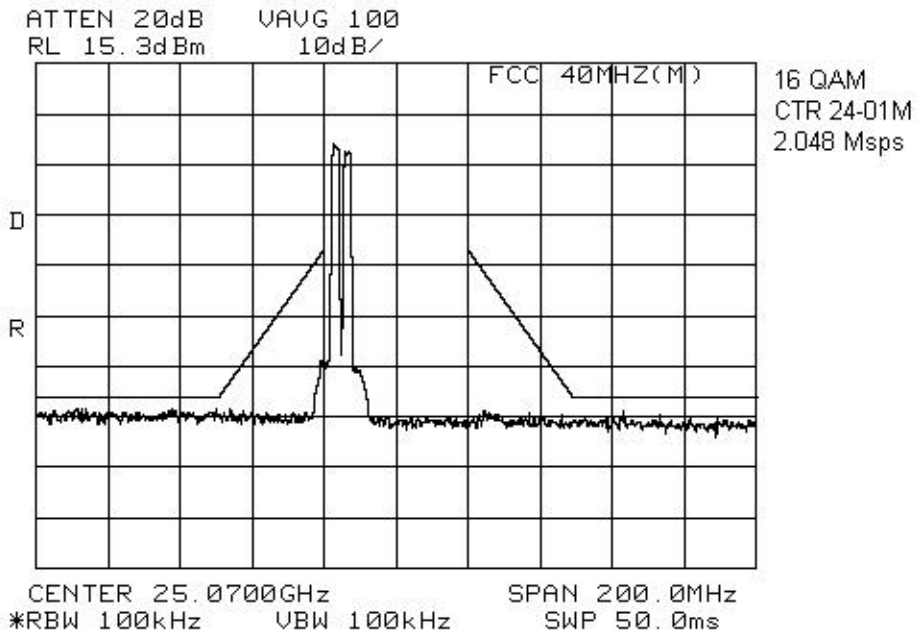


EQUIPMENT: CTR 24-01M
ISSUE: 2.0



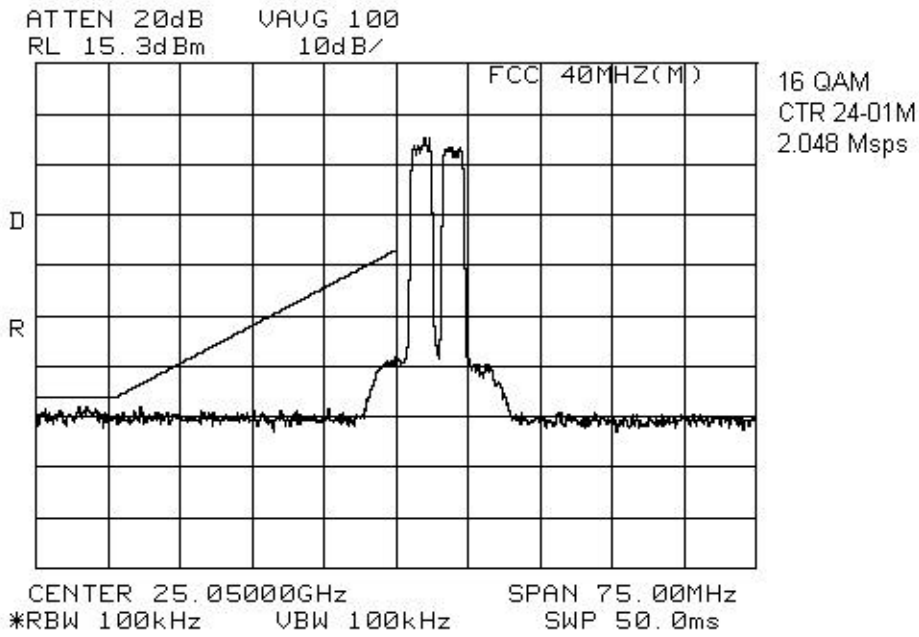
EQUIPMENT: CTR 24-01M

ISSUE: 2.0



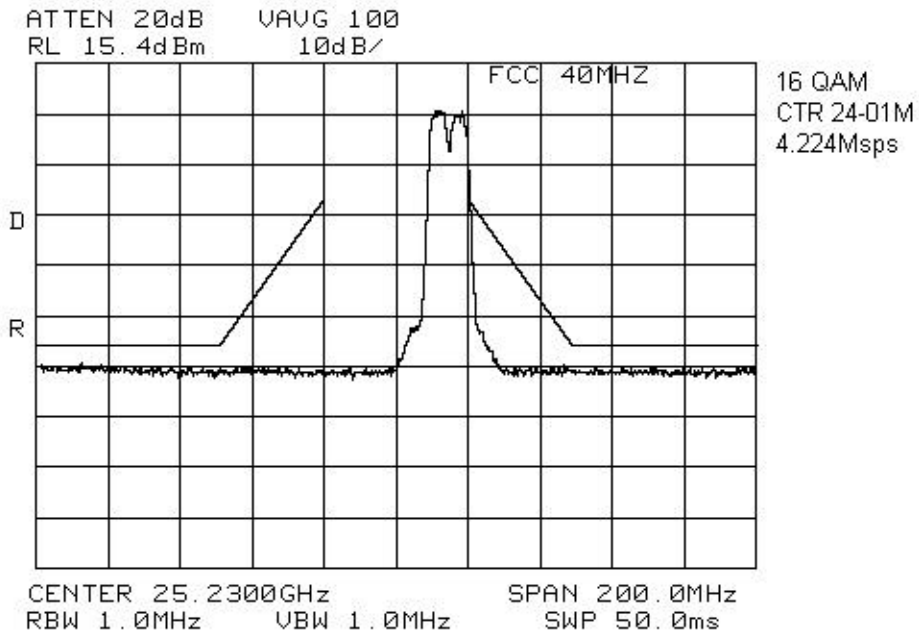
EQUIPMENT: CTR 24-01M

ISSUE: 2.0



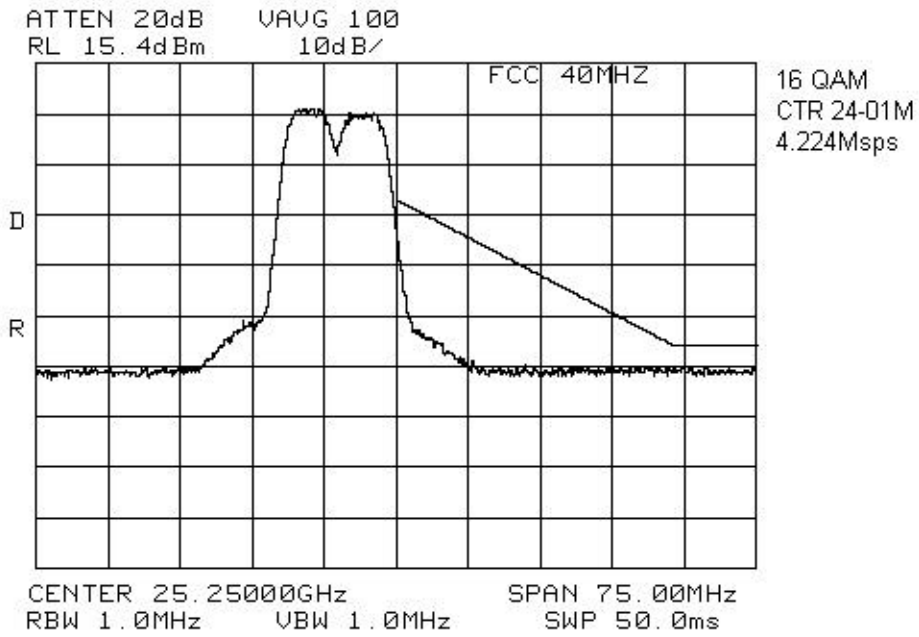
EQUIPMENT: CTR 24-01M

ISSUE: 2.0

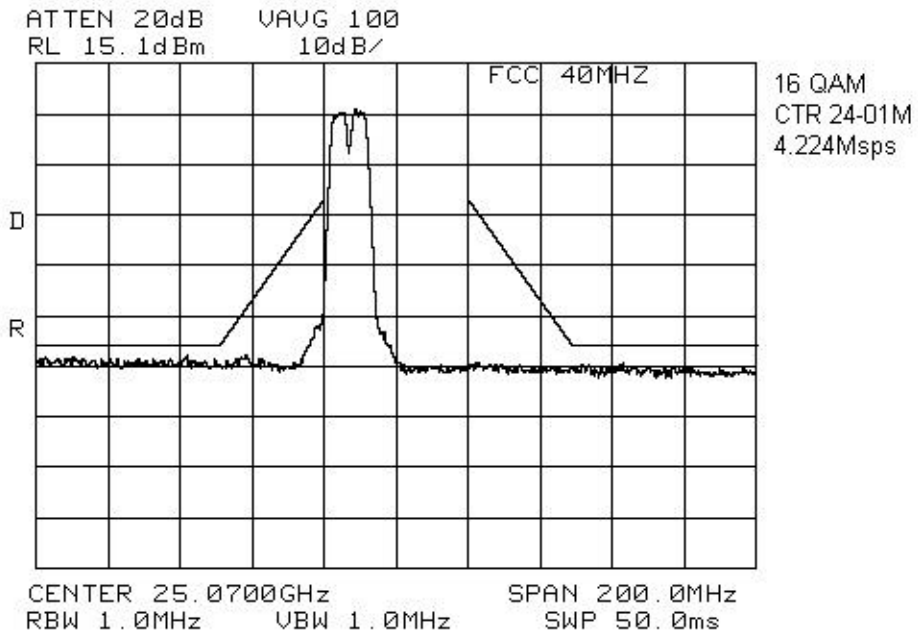


EQUIPMENT: CTR 24-01M

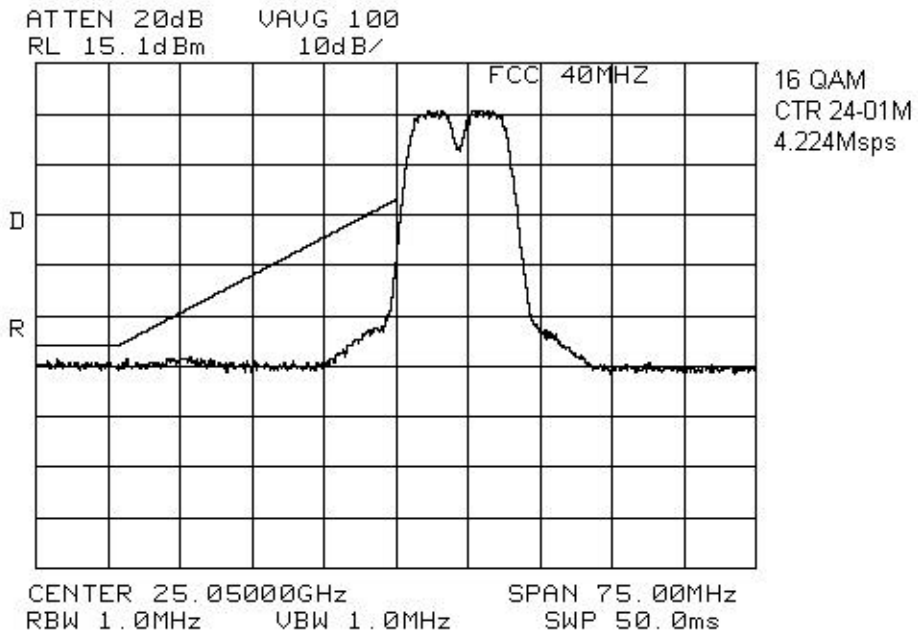
ISSUE: 2.0



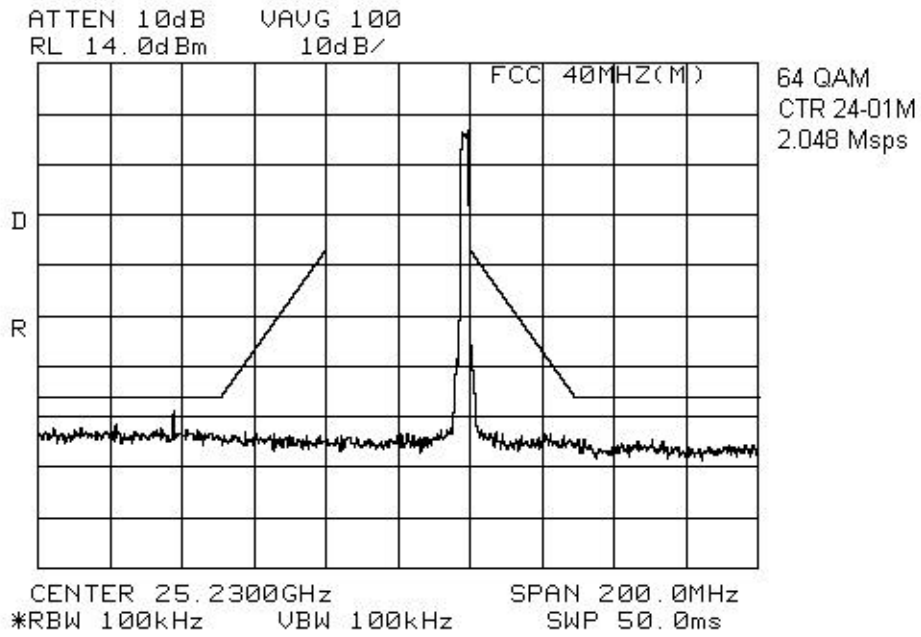
EQUIPMENT: CTR 24-01M
ISSUE: 2.0



EQUIPMENT: CTR 24-01M
ISSUE: 2.0

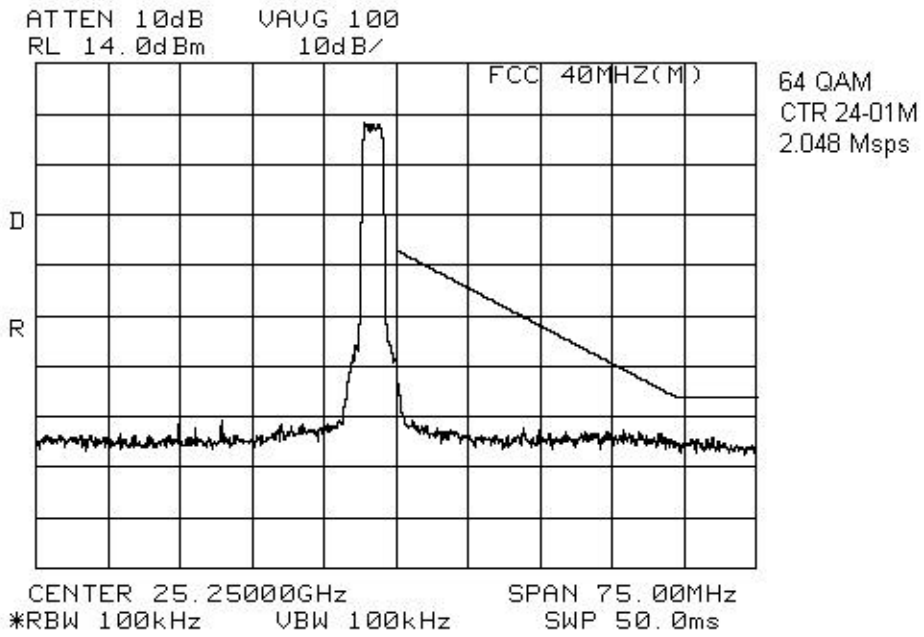


EQUIPMENT: CTR 24-01M
ISSUE: 2.0

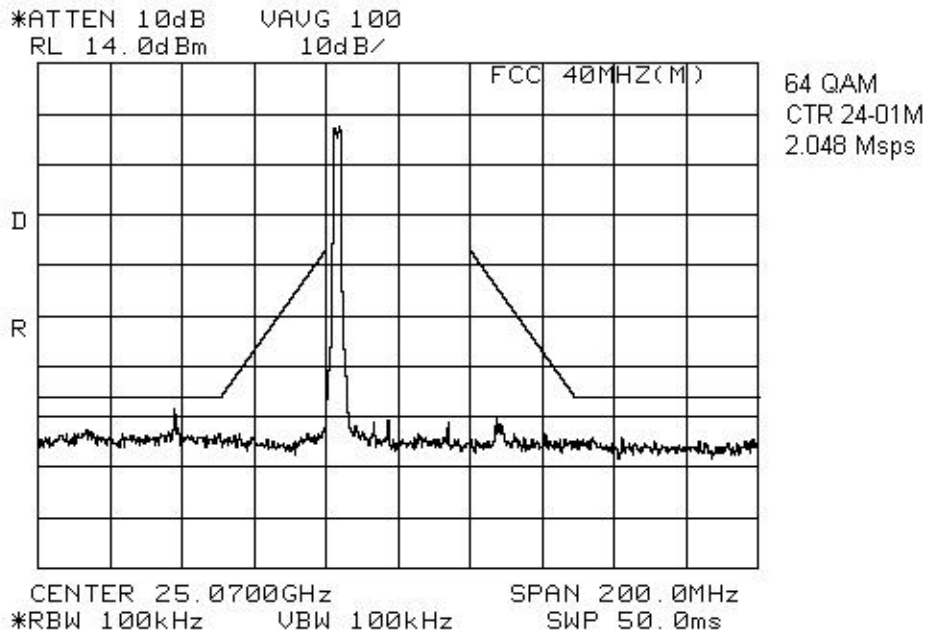


EQUIPMENT: CTR 24-01M

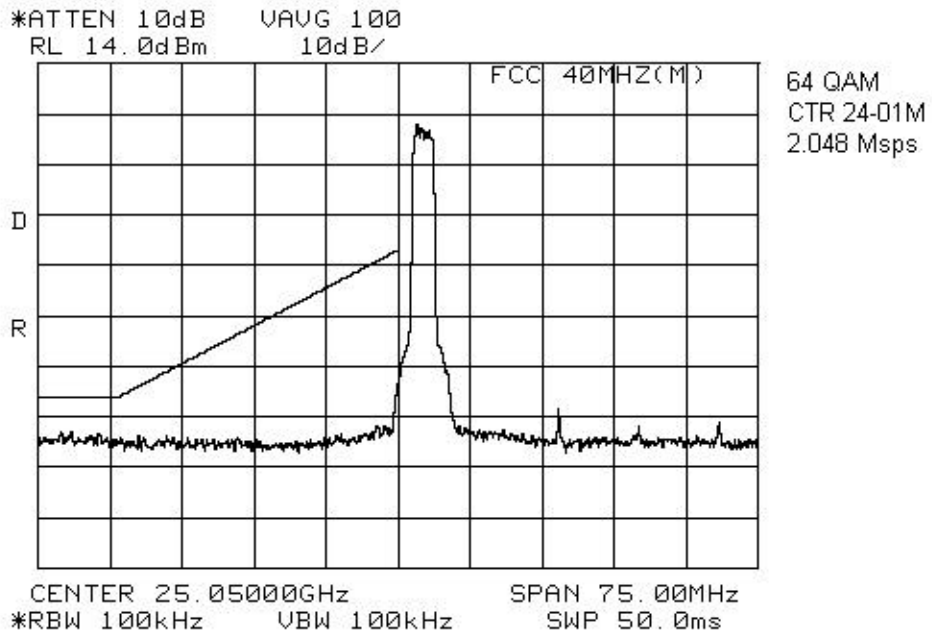
ISSUE: 2.0



EQUIPMENT: CTR 24-01M
ISSUE: 2.0

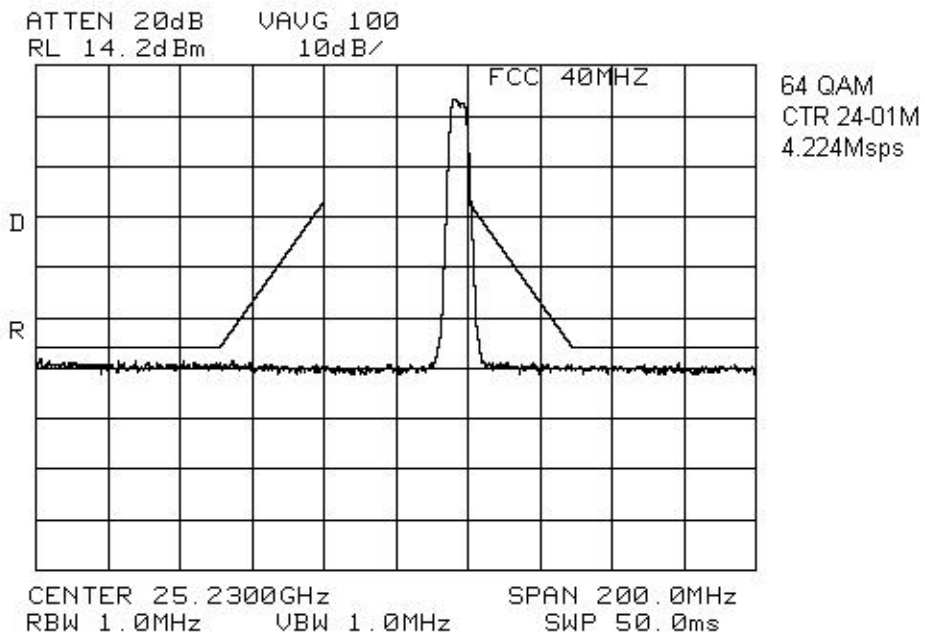


EQUIPMENT: CTR 24-01M
ISSUE: 2.0

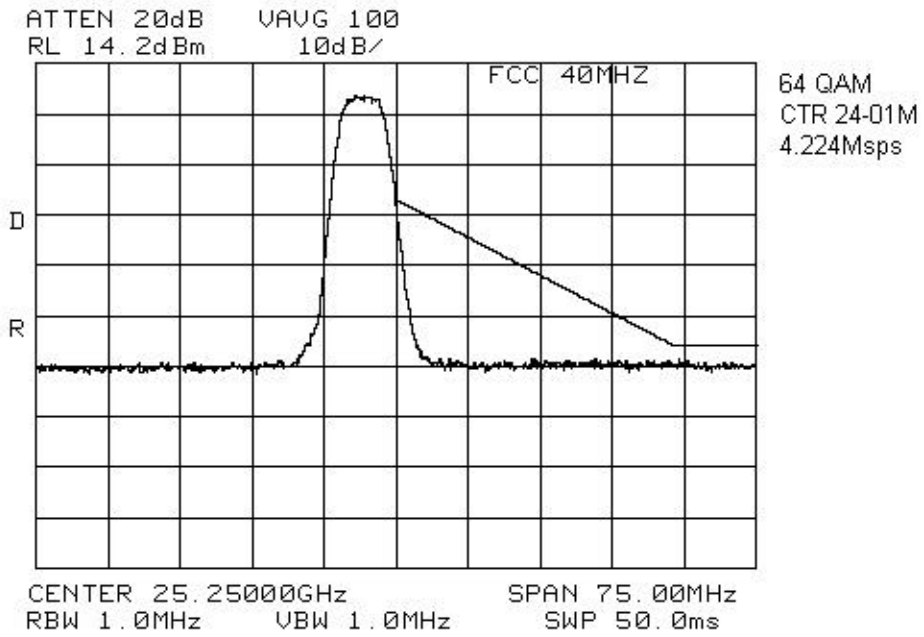


EQUIPMENT: CTR 24-01M

ISSUE: 2.0

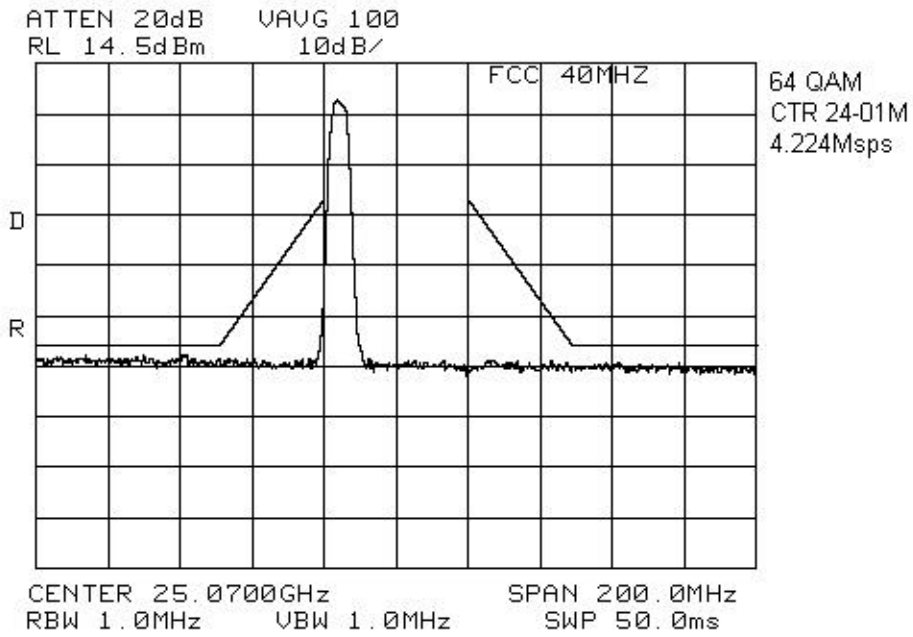


EQUIPMENT: CTR 24-01M
ISSUE: 2.0

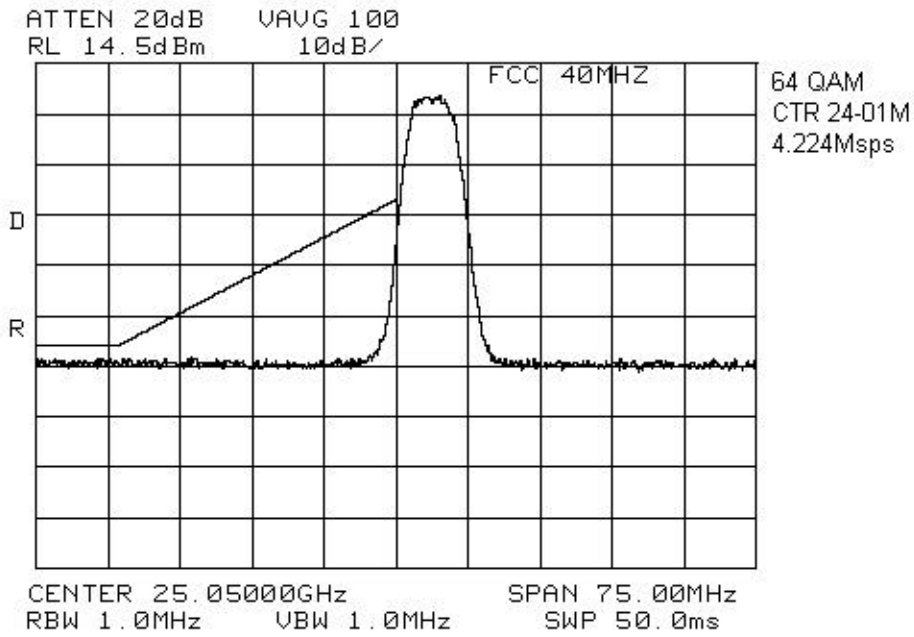


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ISSUE: 2.0

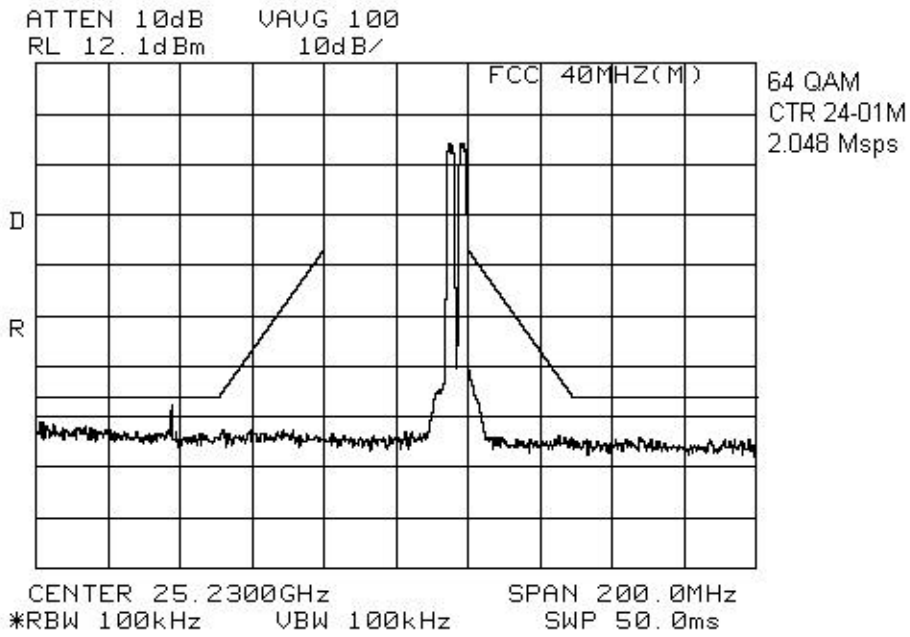


EQUIPMENT: CTR 24-01M
ISSUE: 2.0



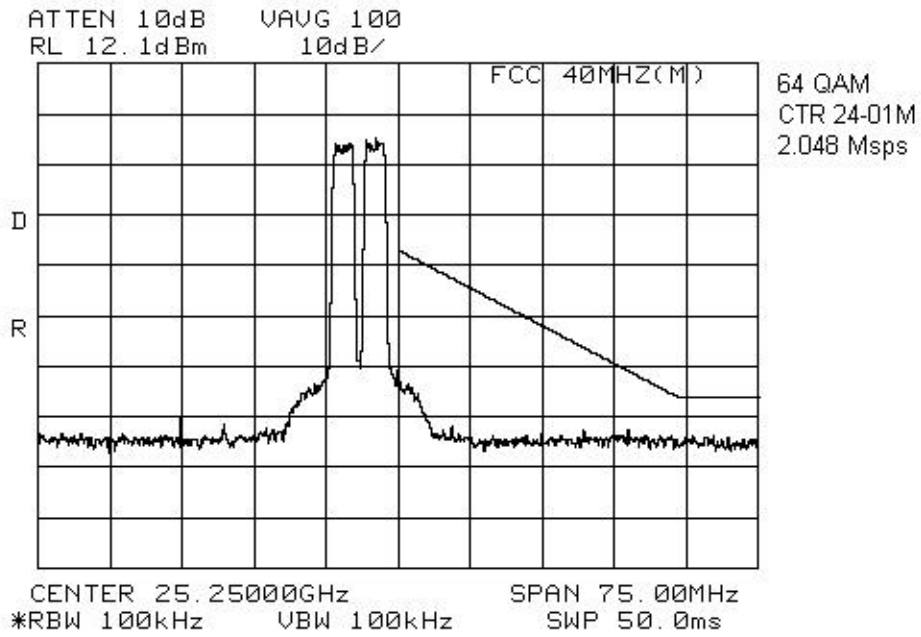
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ISSUE: 2.0



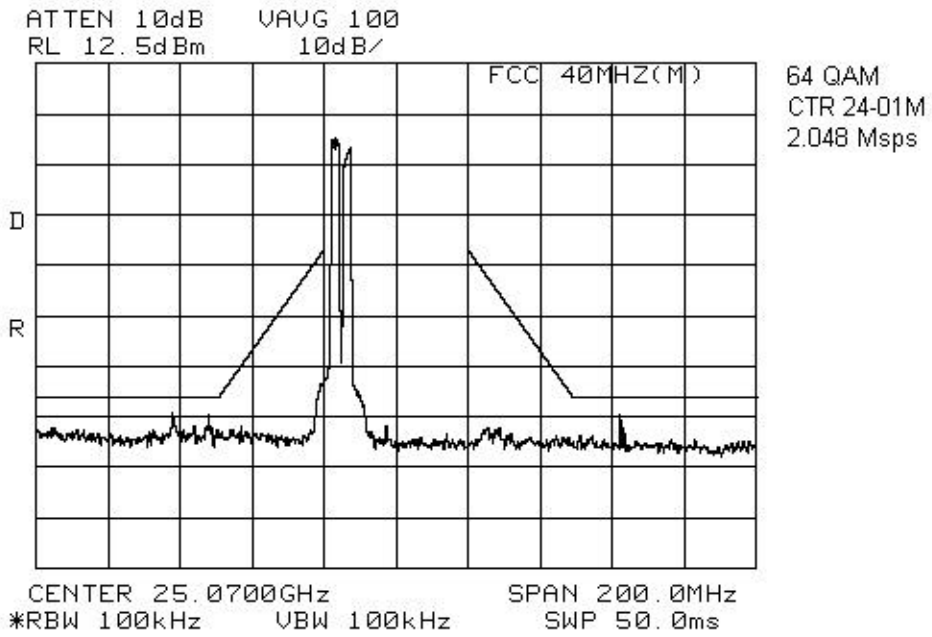
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ISSUE: 2.0

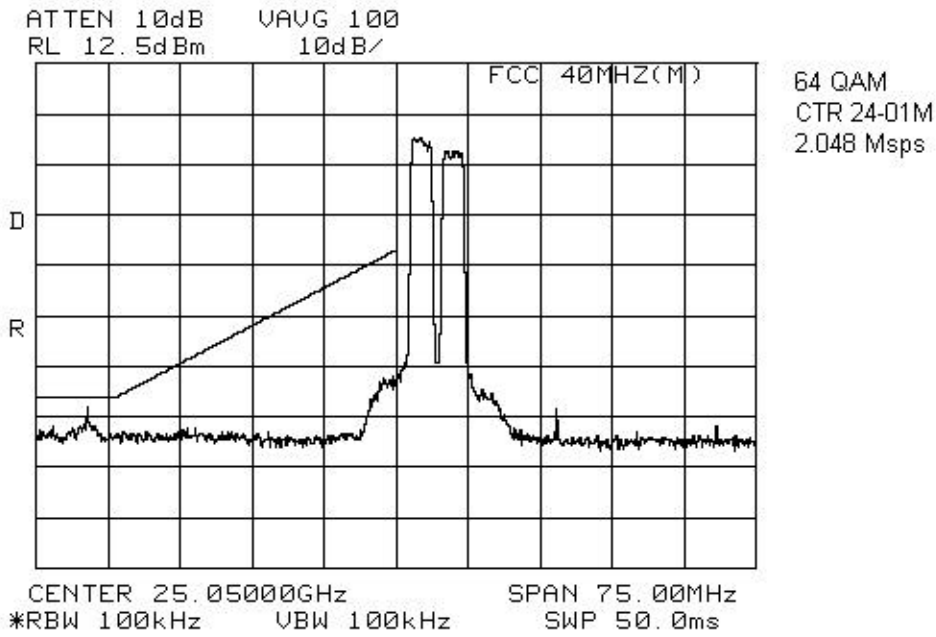


EQUIPMENT: CTR 24-01M

ISSUE: 2.0

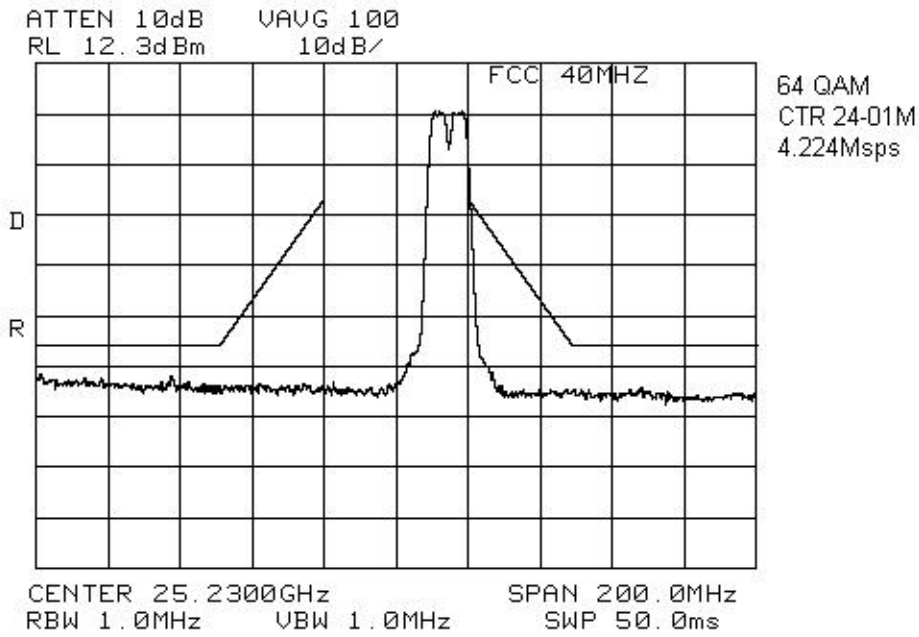


EQUIPMENT: CTR 24-01M
ISSUE: 2.0



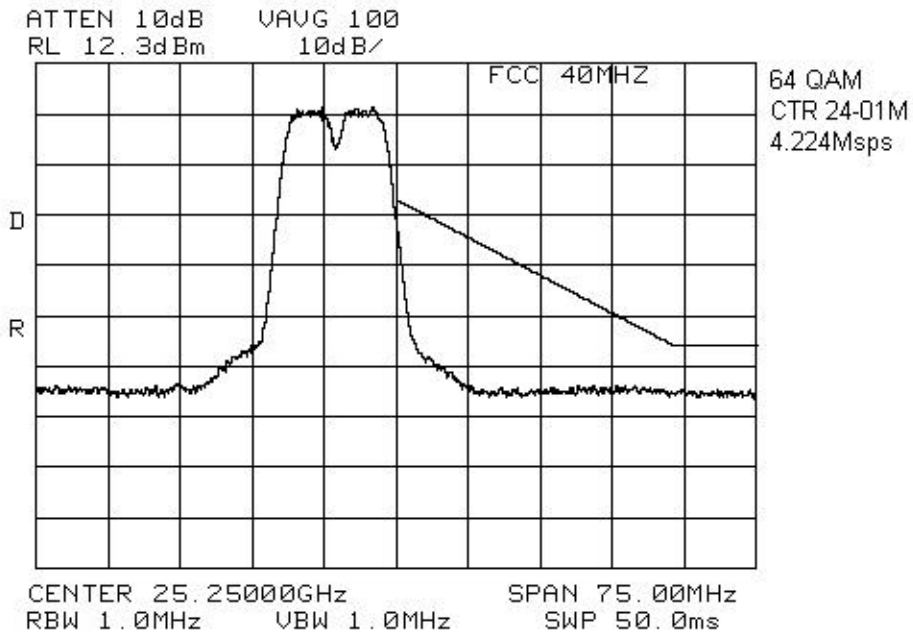
EQUIPMENT: CTR 24-01M

ISSUE: 2.0



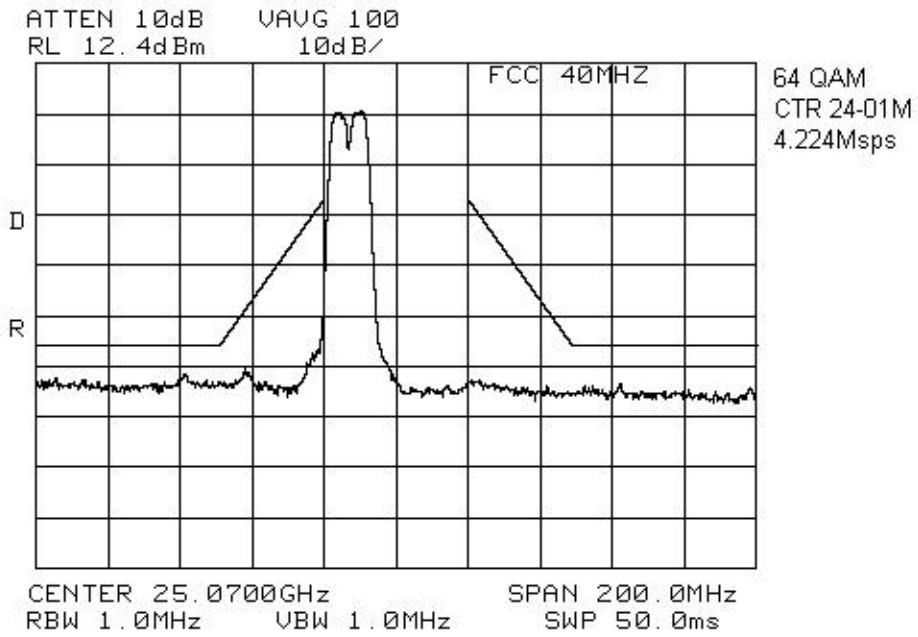
EQUIPMENT: CTR 24-01M

ISSUE: 2.0



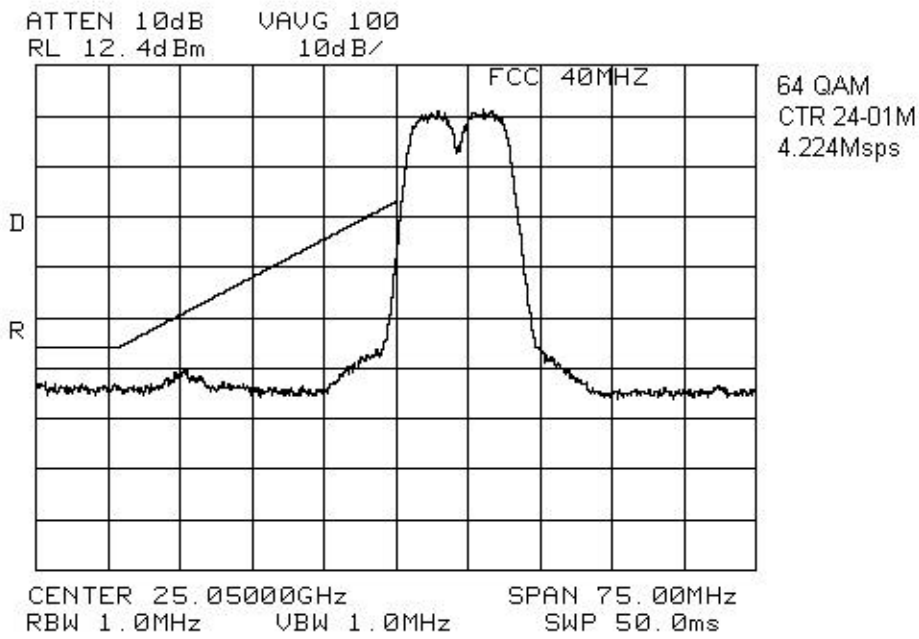
EQUIPMENT: CTR 24-01M

ISSUE: 2.0



EQUIPMENT: CTR 24-01M

ISSUE: 2.0



EQUIPMENT: CTR 24-01M

ISSUE: 2.0

Section 5. Spurious Emissions at Antenna Terminals

Para. No.: 2.1051

Test Performed By: Glen Westwell	Date of Test: November 1, 2000
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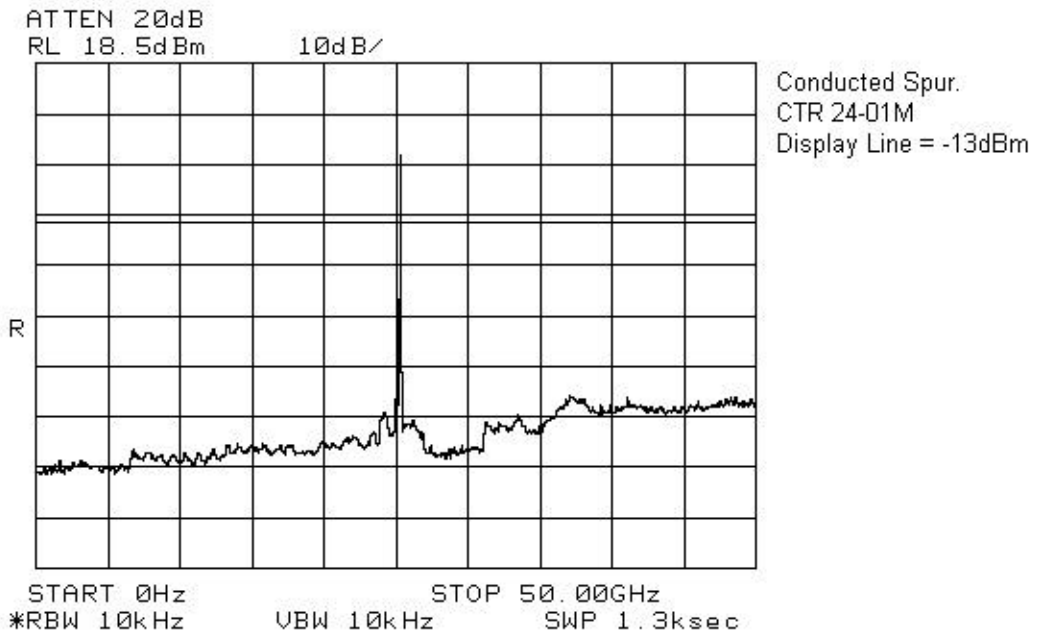
Minimum Standard: 101.111 (a)(2)(iii), -13 dBm

Test Results: Complies.

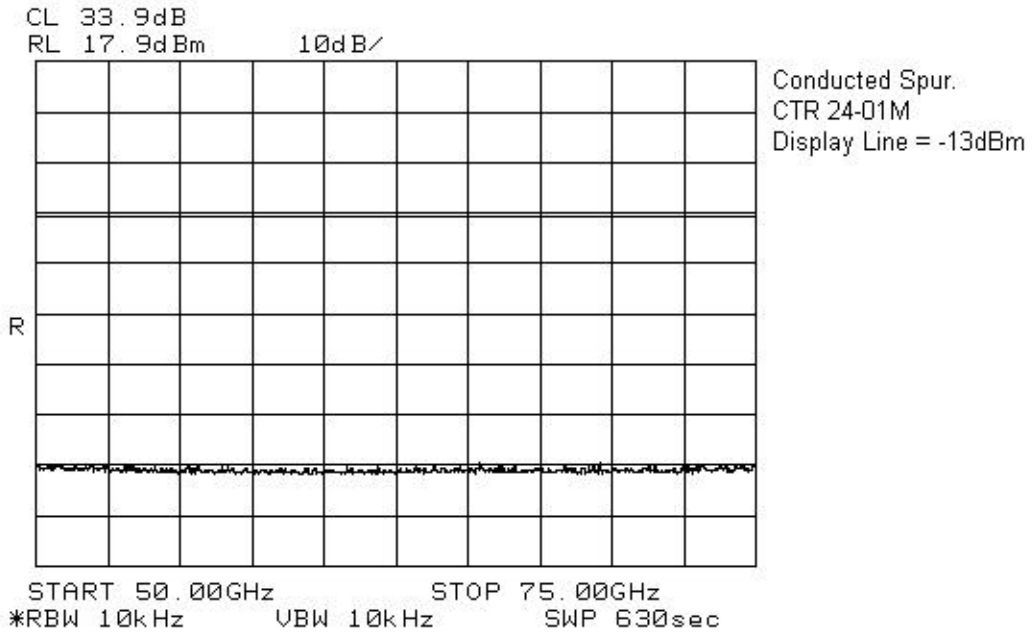
No emissions were detected within 20 dB of the specification limit.

Test Data: See attached graph(s).

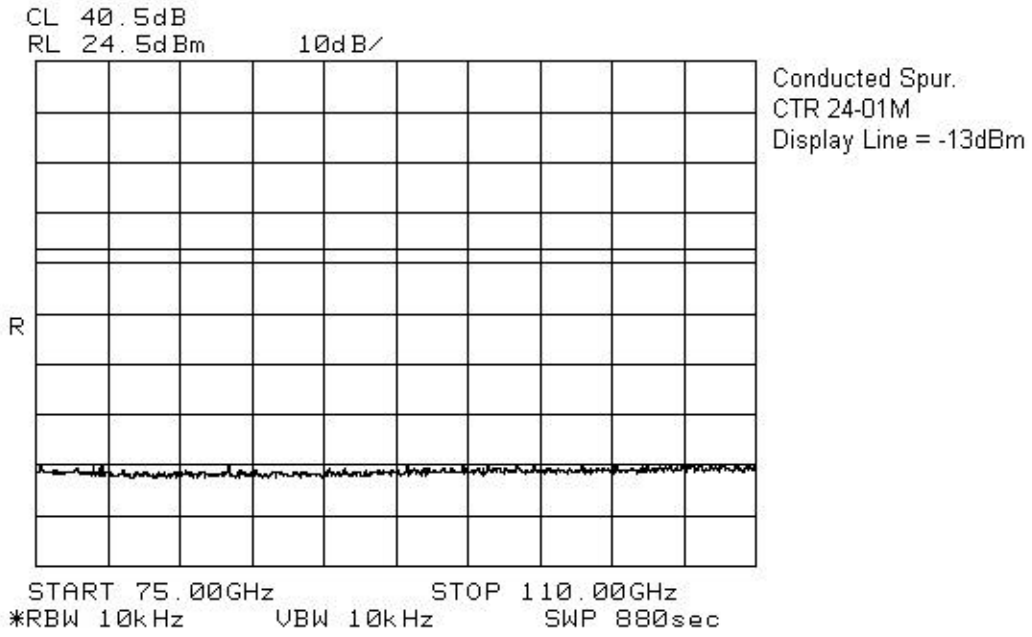
EQUIPMENT: CTR 24-01M
ISSUE: 2.0



EQUIPMENT: CTR 24-01M
ISSUE: 2.0



EQUIPMENT: CTR 24-01M
ISSUE: 2.0



EQUIPMENT: CTR 24-01M

ISSUE: 2.0

Section 6. Field Strength of Spurious Emissions

Para. No.: 2.1053

Test Performed By: Glen Westwell	Date of Test: November 3, 2000
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Minimum Standard: 101.111(a)(2)(iii), -13 dBm
84.4 dB μ V/m @ 3m < 1 GHz
82.2 dB μ V/m @ 3m > 1 GHz

Test Results: Complies

No emissions were detected within 20 dB of the specification limit.

Test Data: The spectrum was searched from 30 MHz to 100 GHz.

No emissions were detected.

EQUIPMENT: CTR 24-01M
ISSUE: 2.0

Section 7. Frequency Stability

Para. No.: 2.1055

Test Performed By: Glen Westwell	Date of Test: November 3, 2000
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Minimum Standard: ± 0.03 %, 7306 kHz

Test Results: Complies

The maximum frequency drift is 20 Hz.
This is 0.00008%

Measurement Data: Standard Test Voltage: STV +18 VDC
Standard Test Voltage: 25155.000 MHz

Test Condition	Frequency (kHz)	Frequency Drift (kHz)
STV	25 155 010	10
115% STV	25 155 010	10
85% STV	25 155 011	11
-30°C	25 155 020	20
-20°C	25 155 013	13
-10°C	25 155 013	13
0°C	25 155 014	14
+10°C	25 155 013	13
+30°C	25 155 013	13
+40°C	25 155 013	13
+50°C	25 155 010	10

EQUIPMENT: CTR 24-01M

ISSUE: 2.0

Section 8. Test Equipment List

CAL CYCLE	EQUIPMENT	MANUFACTURER	MODEL	SERIAL	LAST CAL.	NEXT CAL.
1 Year	Spectrum Analyzer	Hewlett Packard	8565E	FA000981	June 16/00	June 16/01
1 Year	Climate Chamber	Thermotron	SM-16C	15649-S	COU	COU
2 Year	RF Power Meter	Hewlett Packard	E4418B	FA001413	Nov. 8/99	Dec. 7/00
1 Year	Horn Antenna	EMCO #2	3115	4336	Nov. 11/99	Nov. 11/00
1 Year	Log Periodic Antenna 1	EMCO	LPA-25	1141	Aug. 4/99	Aug. 4/00
3 Year	Standard Gain Horn	Electro-Metrics	SH-50/60-1	FA000479	July 7/00	July 7/01
3 Year	Standard Gain Horn	Electro-Metrics	SH-50/60-2	FA000485	July 7/00	July 7/01
3 year	Harmonic Mixer	H.P.	50-75Ghz	FA001027	Mar. 9/00	Mar. 9/03
3 year	Harmonic Mixer	H.P.	75-110Ghz	FA001302	Oct. 13/98	Oct. 13/01
3 year	Diplexer	Olsen - OML	DPL.26 (H.P)		Mar. 15/00	Mar 15/03
3 year	Mixer/Antenna 40-60Ghz	Olsen – OML	M19HWA (H.P.)		Mar. 15/00	Mar. 15/03
3 year	Mixer /Antenna 60-90Ghz	Olsen – OML	M12HWA (H.P.)		Mar. 15/00	Mar. 15/03
3 year	Mixer / Antenna 90-140Ghz	Olsen – OML	M08HWA (H.P.)		Mar. 15/00	Mar. 15/03

NA: Not Applicable
NCR: No Cal Required
COU: CAL On Use

EQUIPMENT: CTR 24-01M

ISSUE: 2.0

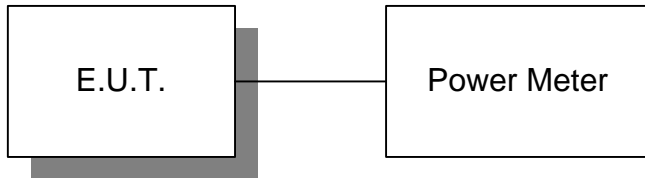
Annex A

Test Diagrams

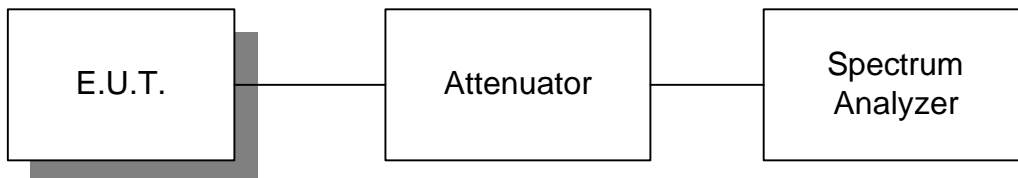
EQUIPMENT: CTR 24-01M

ISSUE: 2.0

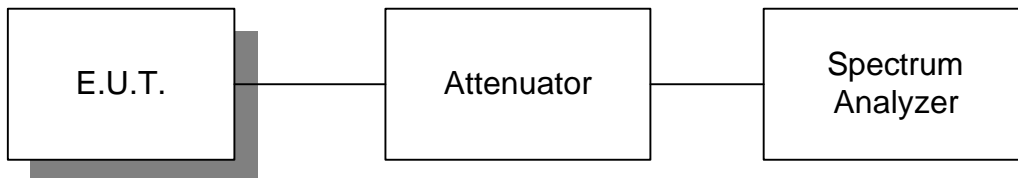
Para. No. 2.1046 - R.F. Power Output



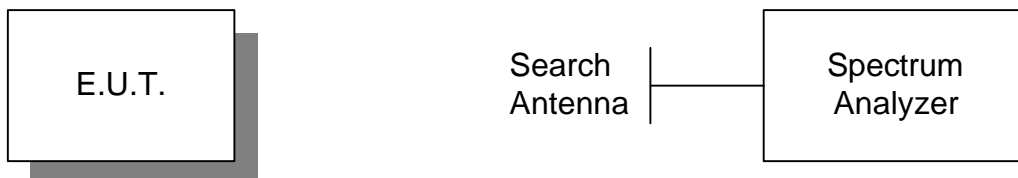
Para. No. 2.1049 - Occupied Bandwidth



Para. No. 2.1051 - Spurious Emissions at Antenna Terminals



Para. No. 2.1053 - Field Strength of Spurious Radiation



EQUIPMENT: CTR 24-01M

ISSUE: 2.0

Para. No. 2.1055 - Frequency Stability

