

EQUIPMENT: MW-CBDA-TDMA-B-1W60-A Bi-Directional Amplifier
FCC ID: OIWCBDATDMAB1W60

Section 5. Spurious Emissions at Antenna Terminals

Para. No.: 2.917(e)

Test Performed By: Wayne Clarke	Date of Test: May 24, 2001
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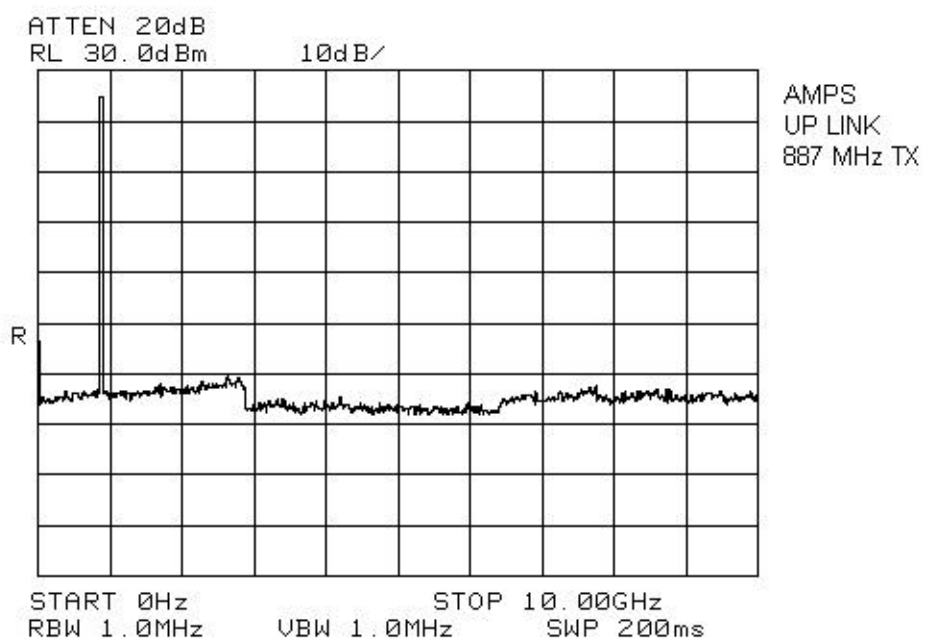
Minimum Standard: Para. No. 22.917(e).

Test Results: Complies.

Test Data:

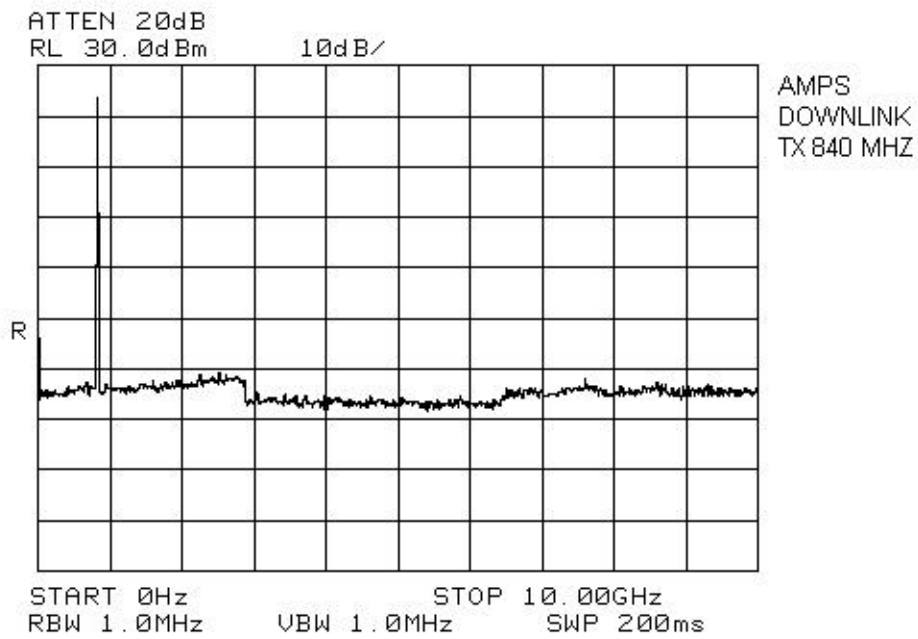
Name Of Test	Worst-Case Spurious Level(dBm)
0 to 10 GHz Spurious (Uplink)	None-Detected
0 to 10 GHz Spurious (Downlink)	None-Detected
2 - Signal Intermodulation (Uplink)	Below -13dBm
2 - Signal Intermodulation (Downlink)	Below -13dBm
Lower Band Edge Spurious (Uplink)	Below -13dBm
Lower Band Edge Spurious (Downlink)	Below -13dBm
Upper Band Edge Spurious (Uplink)	Below -13dBm
Upper Band Edge Spurious (Downlink)	Below -13dBm

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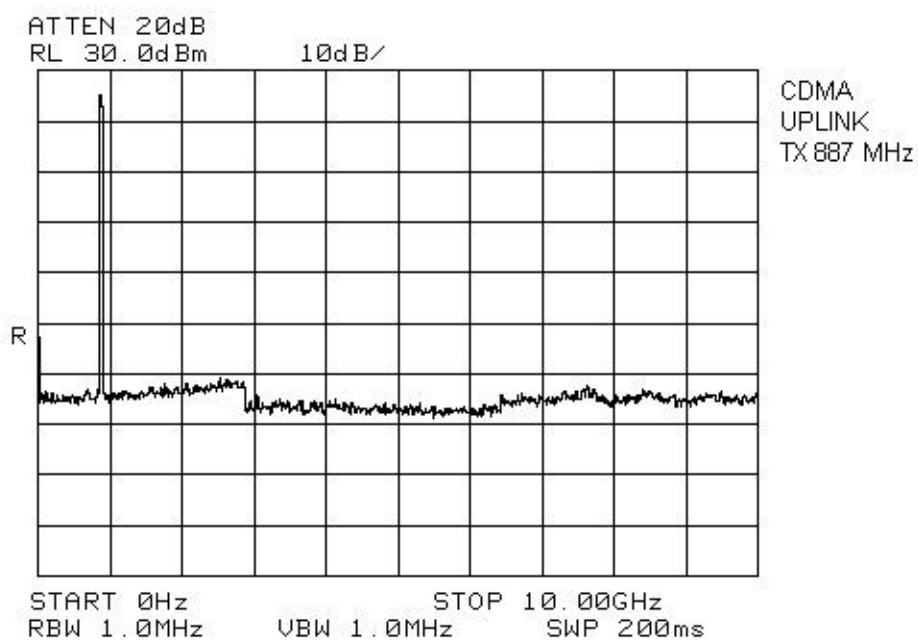


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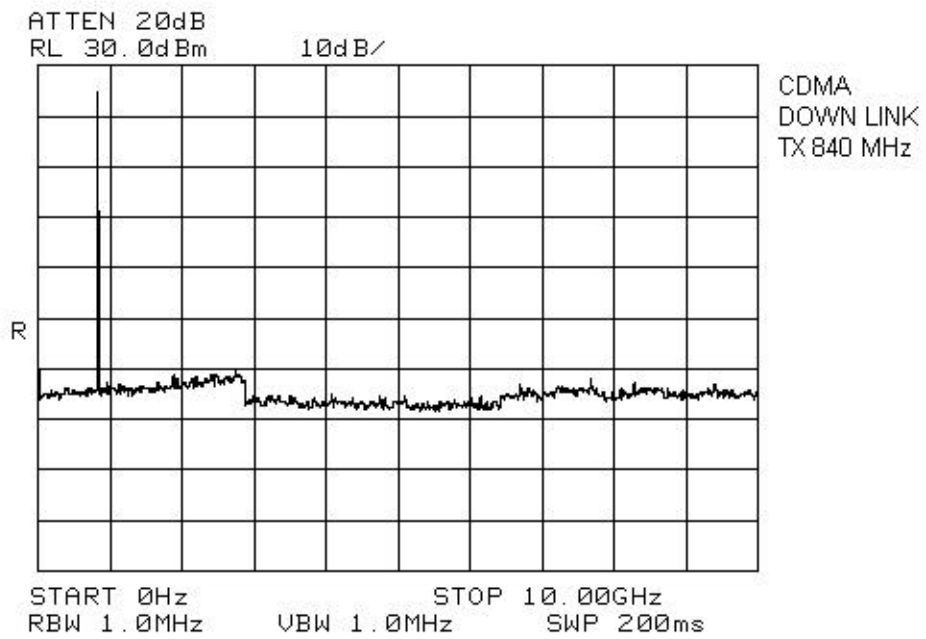


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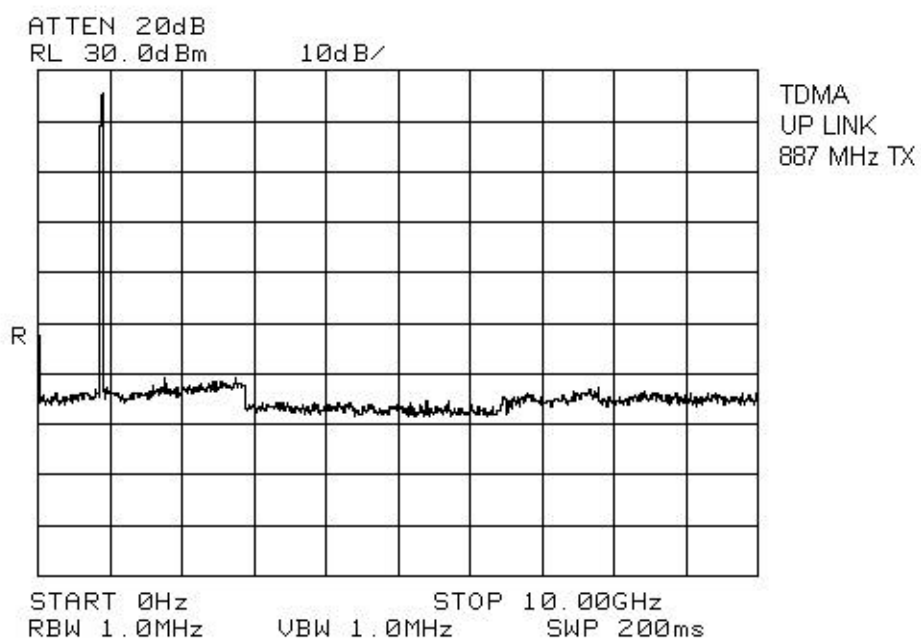


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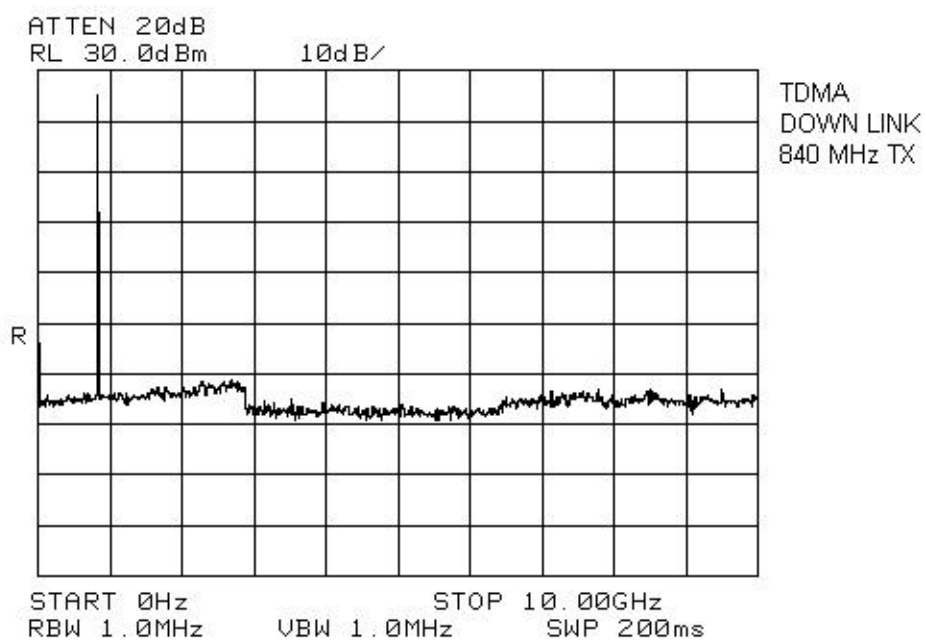
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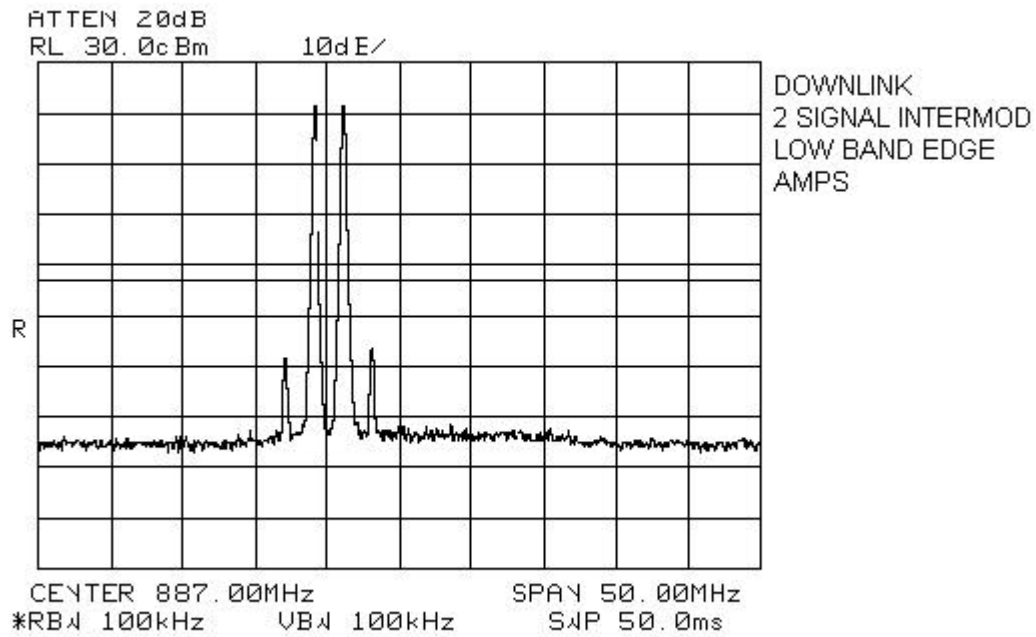


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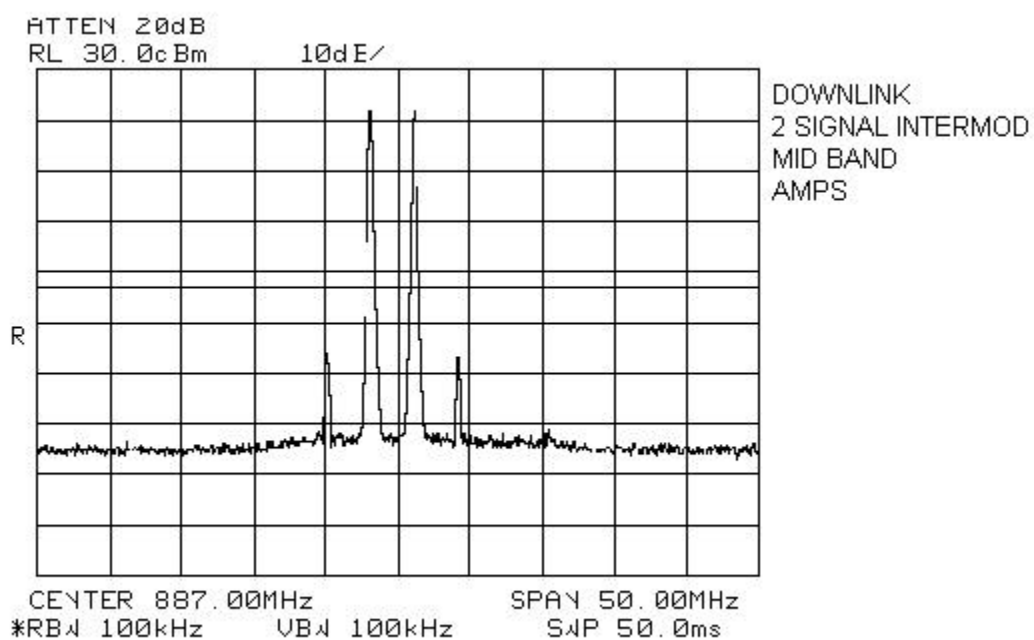


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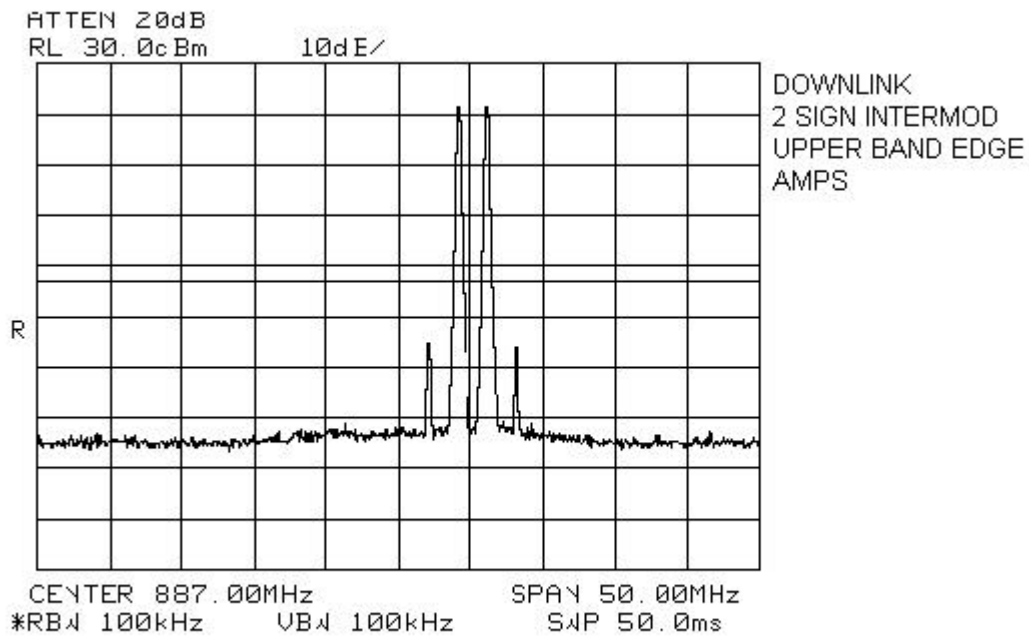


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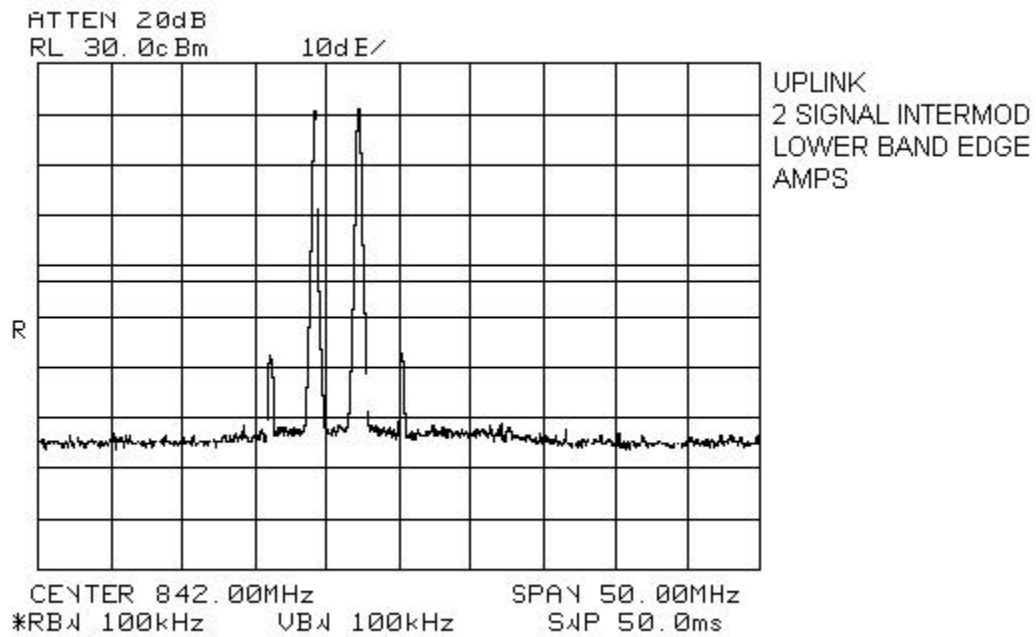
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FCC ID: OIWCBDATDMAB1W60

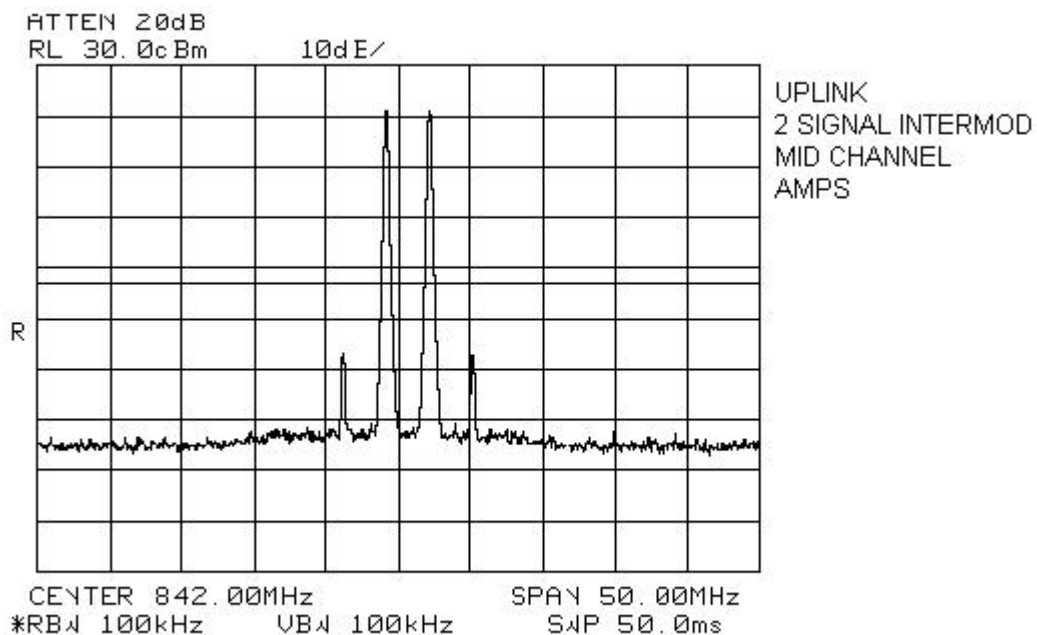


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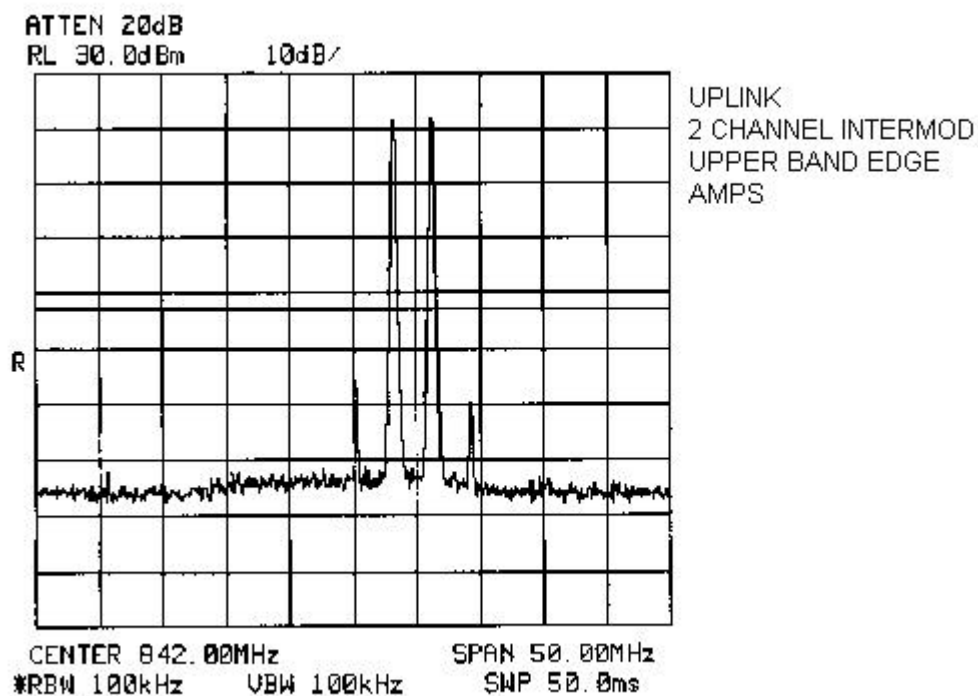
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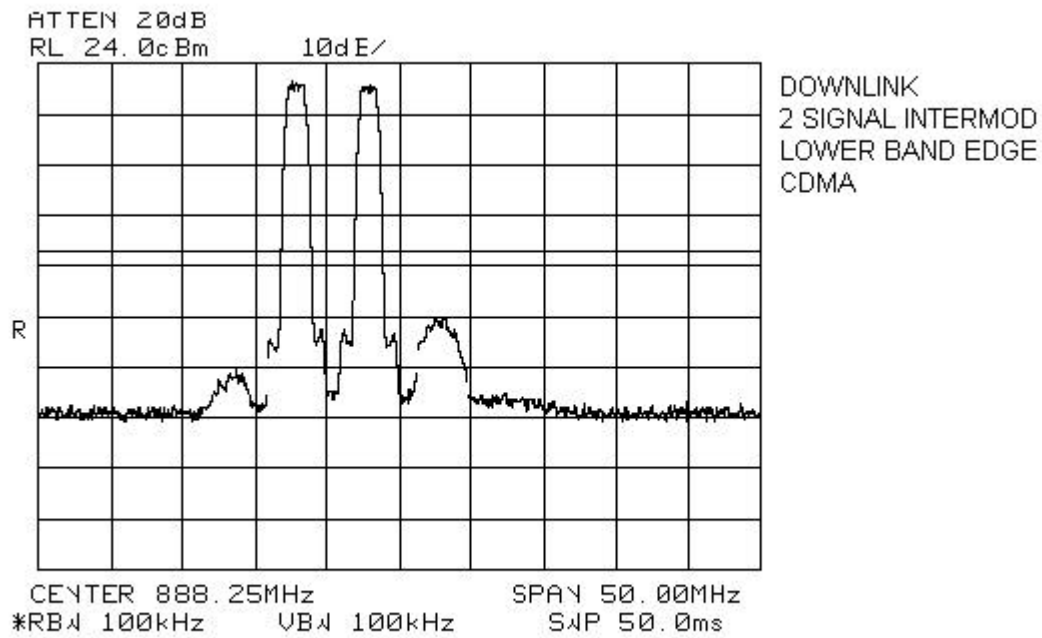


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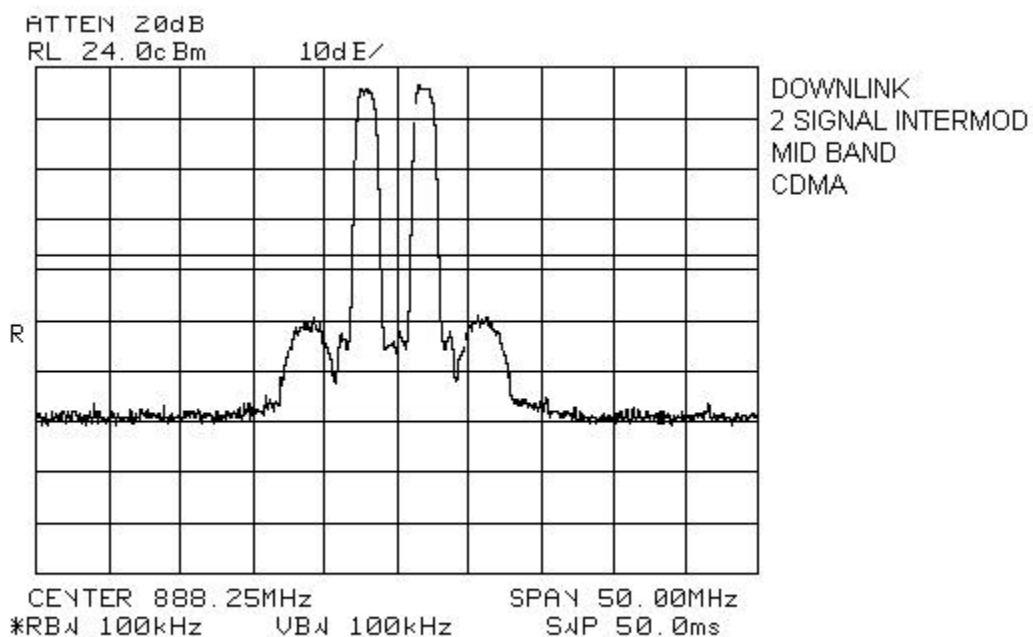


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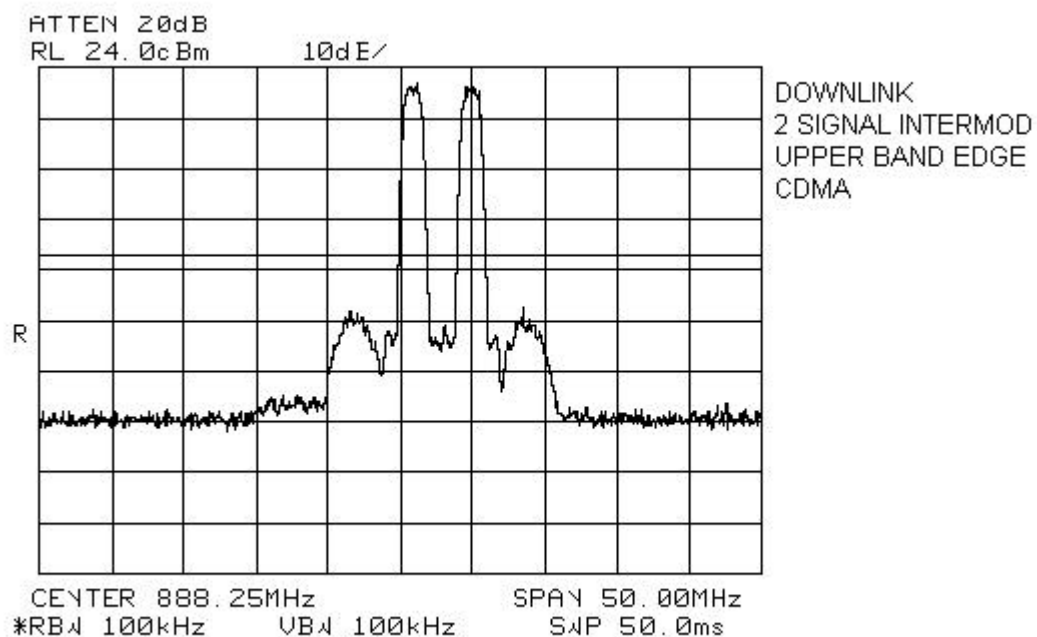
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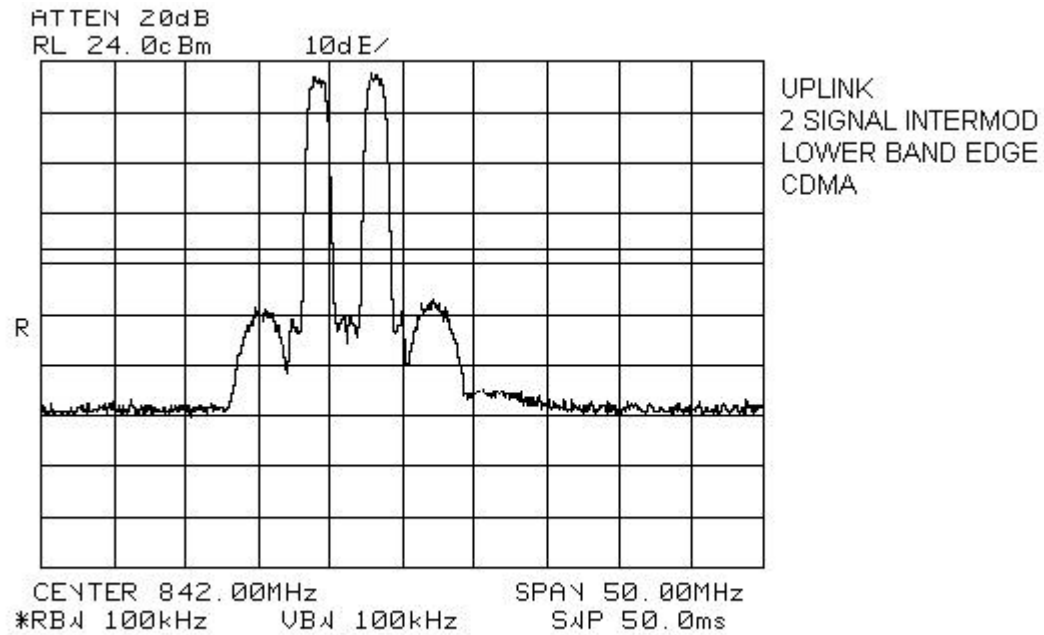


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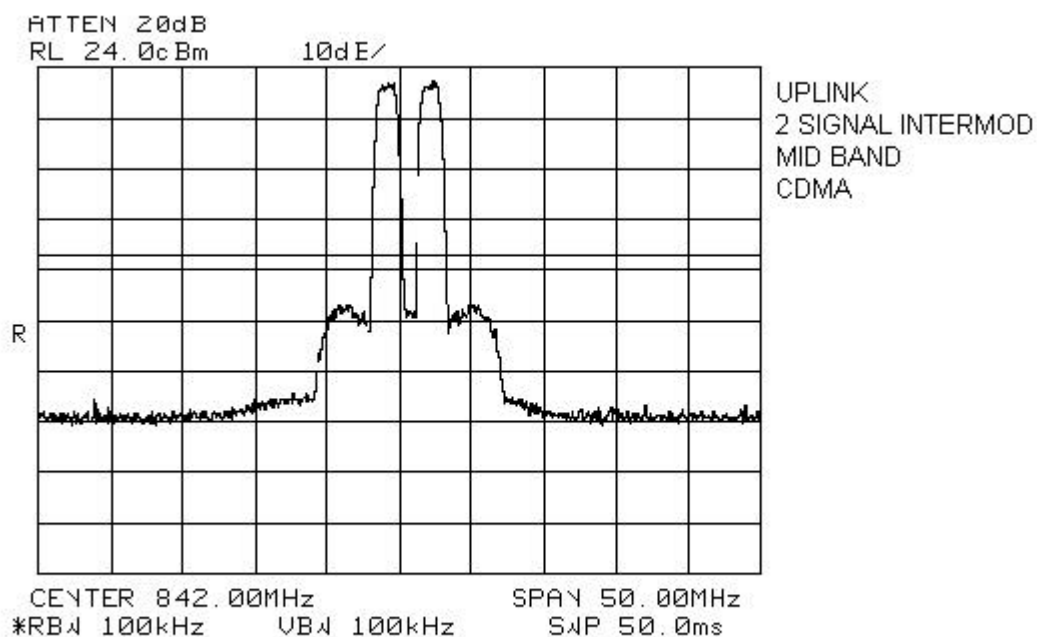


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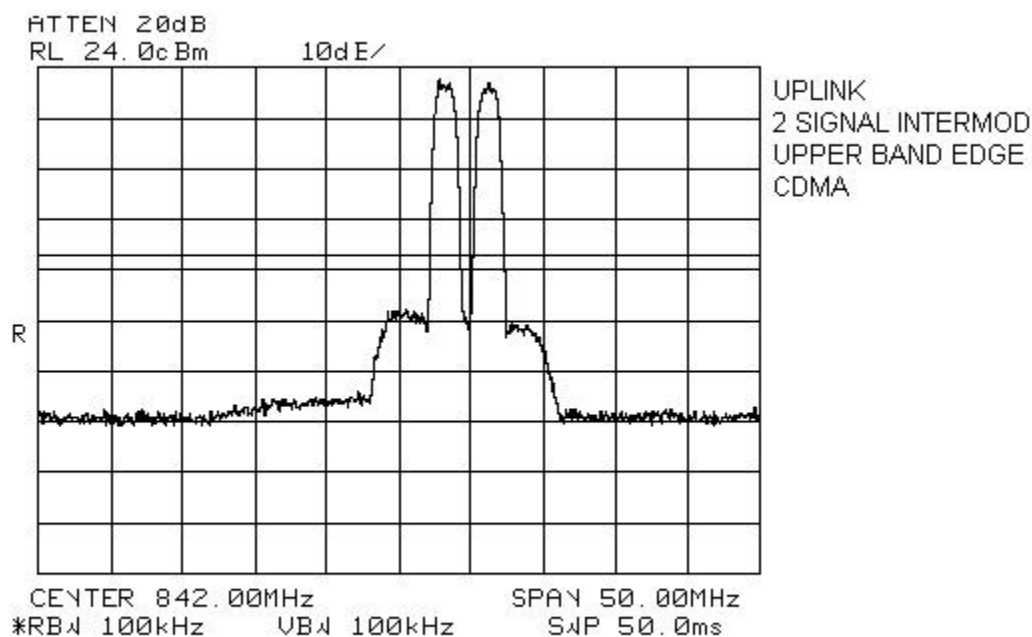
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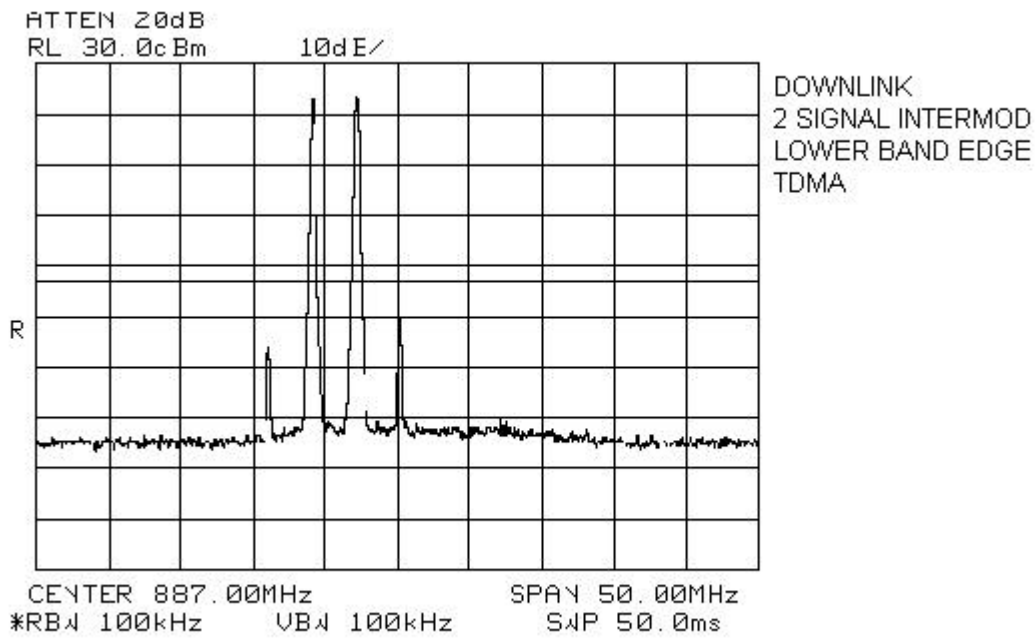


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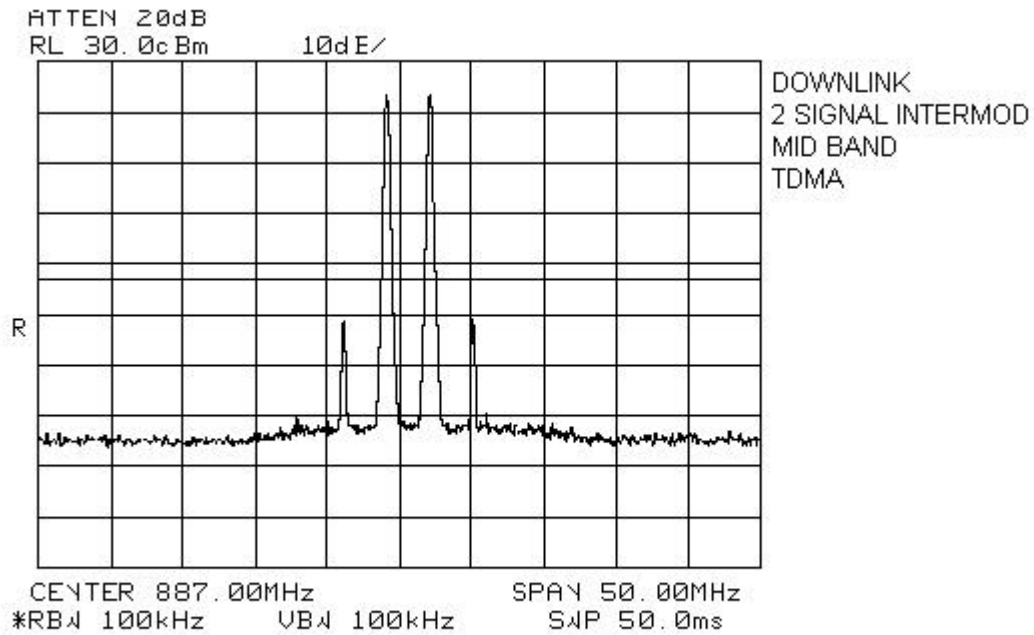
EQUIPMENT: MW-CBDA-TDMA-B-1W60-A Bi-Directional Amplifier

FCC ID: OIWCBDATDMAB1W60

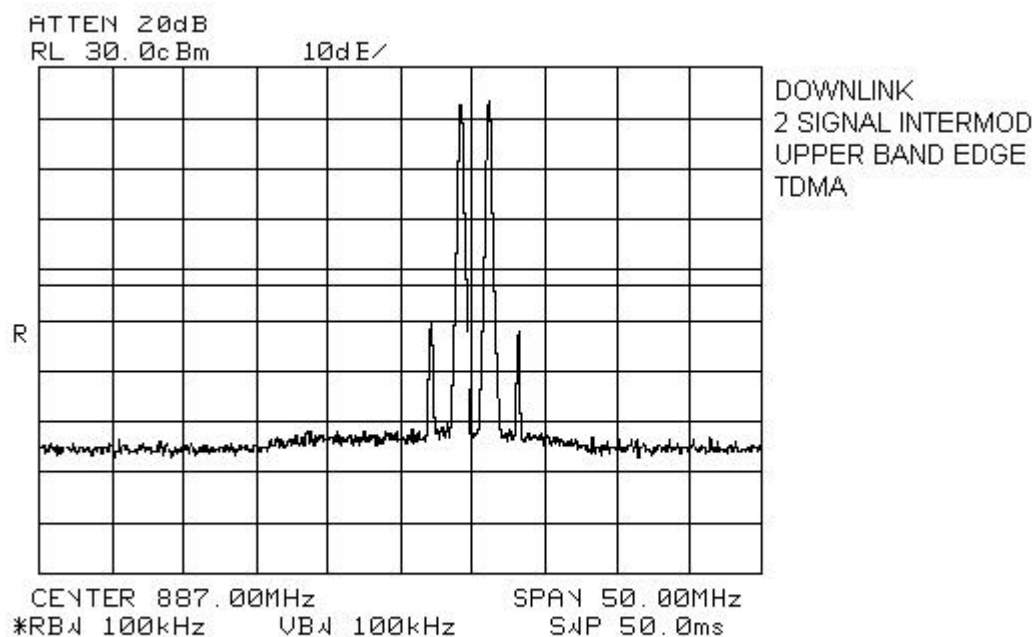


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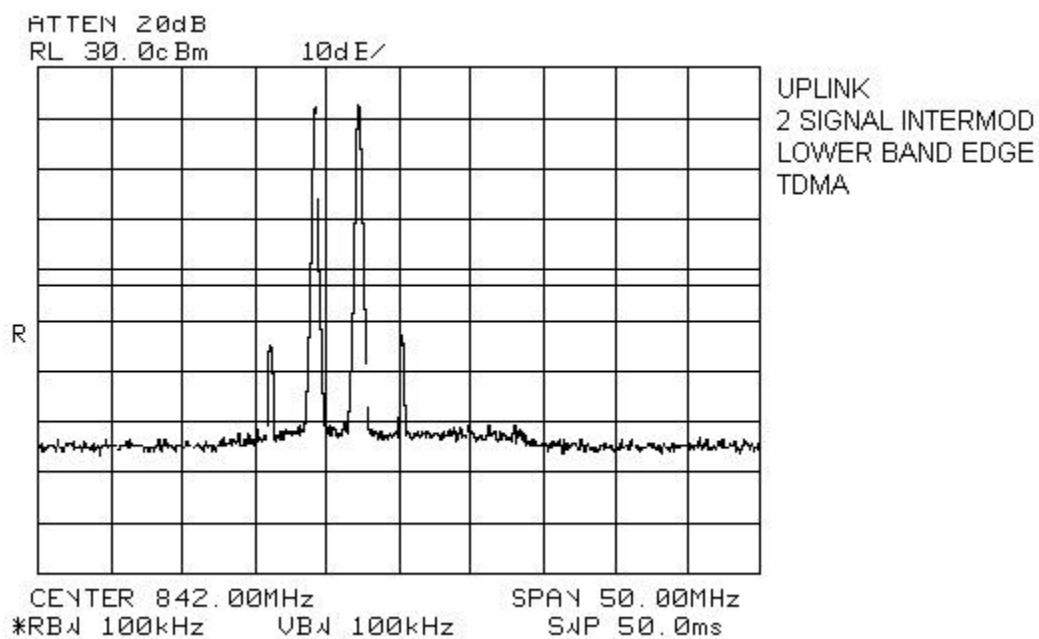
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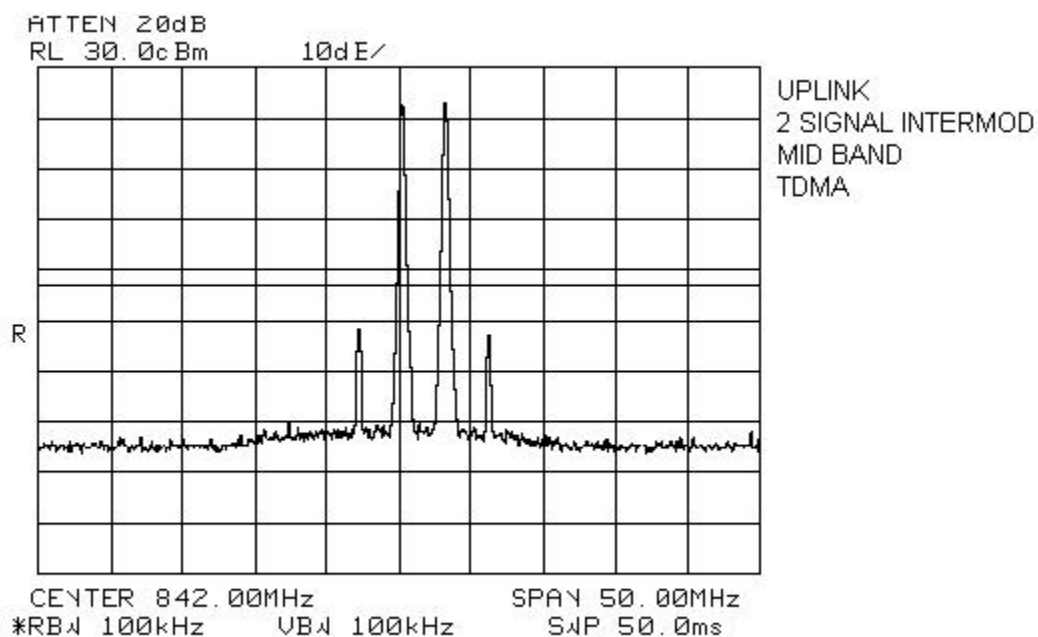
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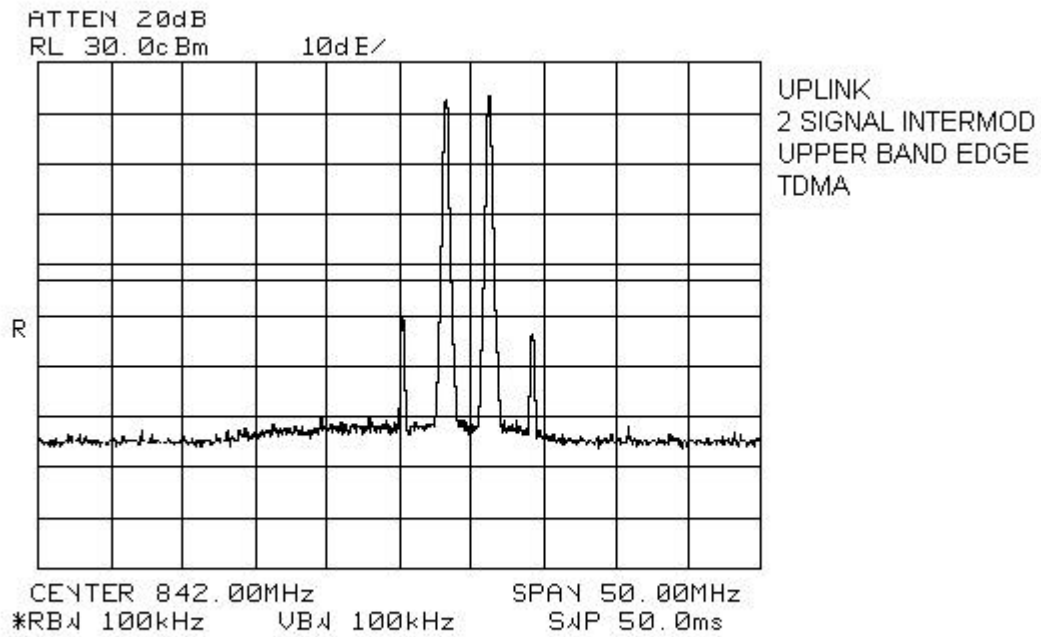


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Section 6. Field Strength of Spurious

Para. No.: 2.917(e)

Test Performed By: Wayne Clarke	Date of Test: May 30, 3001
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Minimum Standard: Para. No. 22.917

Test Results: Complies.

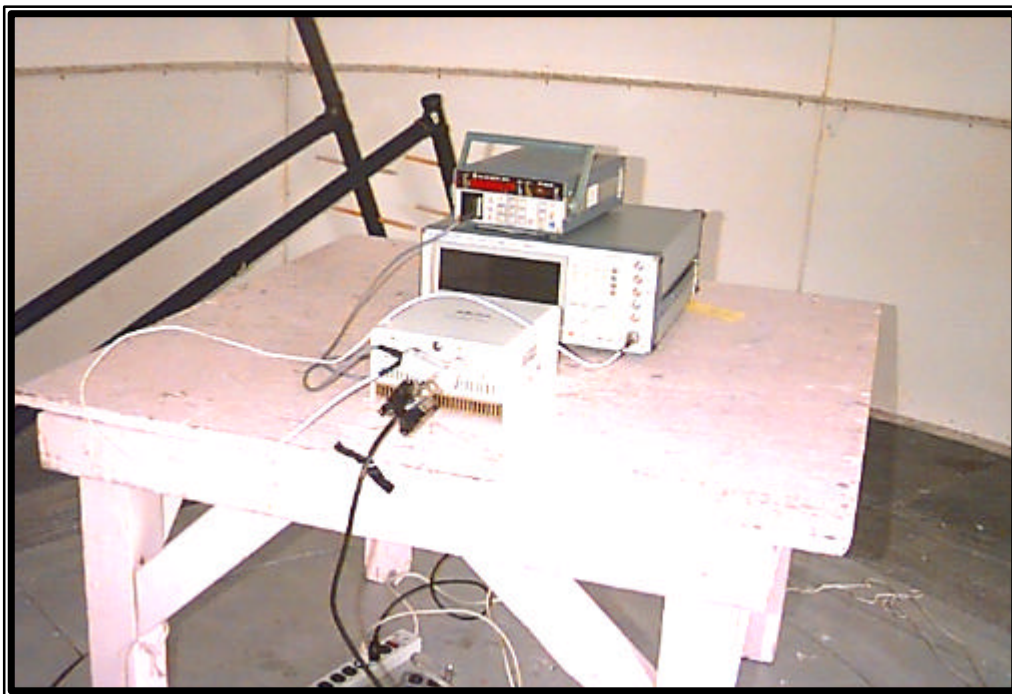
There were no emissions detected at 3m on the oats.

The spectrum was searched up to the 10th harmonic of the
fundamental frequency of operation.

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Photographs of Test Setup (Worst Case Configuration)

Front View



EQUIPMENT: MW-CBDA-TDMA-B-1W60-A Bi-Directional Amplifier
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Section 7. 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
2 Year	RF Millivoltmeter	Rohde & Schwarz	URV5	FA000420	Oct. 6/99	Oct. 6/01
2 Year	Insertion Unit	Rohde & Schwarz	URV5-Z4	FA000905	Oct. 6/99	Oct. 6/01
2 Year	Power Sensor	Rohde & Schwarz	URV5-Z5	FA000419	Oct. 6/99	Oct. 6/01
1 Year	Power Meter	Hewlett Packard	E4448B	FA001413	Jan. 16/01	Jan. 16/02
1 Year	Power Sensor	Hewlett Packard	8487A	FA001419	Jan. 16/01	Jan. 16/02
1 Year	Horn Antenna	EMCO #2	3115	4336	Dec. 1/00	Dec. 1/01
1 Year	50 ohm Combiner Pad	Mini Circuits	ZFC-3-4	922603	Nov. 19/99	Nov. 19/00
3 Year	Signal Generator	Rohde & Schwarz	SM1Q03	DE22004	Sept. 18/00	Sept. 18/03
3 Year	Signal Generator	Rohde & Schwarz	SM1Q03E	DE24154	Oct. 4/99	Oct. 4/92
1 Year	RF AMP	JCA	2-4 GHz	FA001496	May 31/00	May 31/01
1 Year	RF AMP	JCA	1-2 GHz	FA001498	May 31/00	May 31/01
1 Year	RF AMP	JCA	4-8 GHz	FA001497	May 31/00	May 31/01

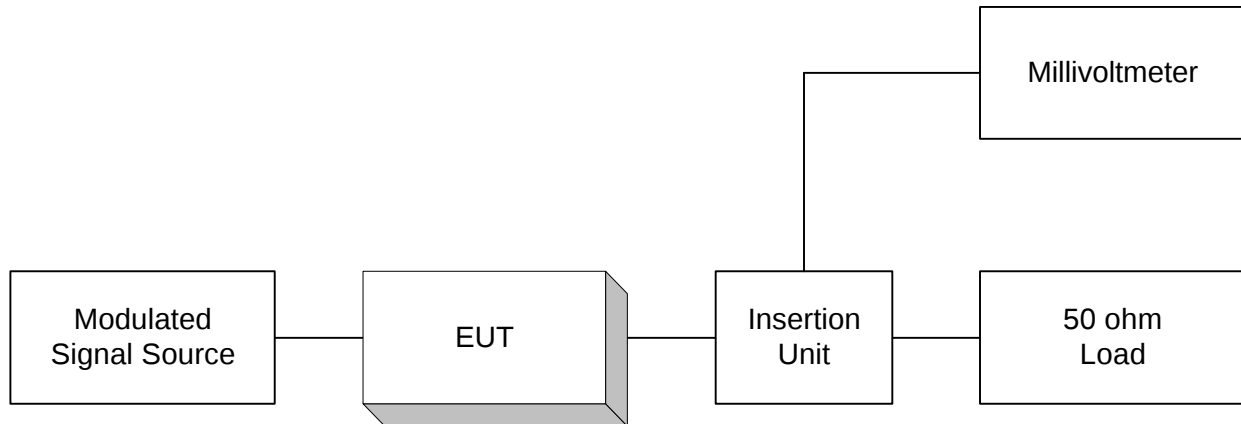
NA: Not Applicable
NCR: No Cal Required
COU: CAL On Use

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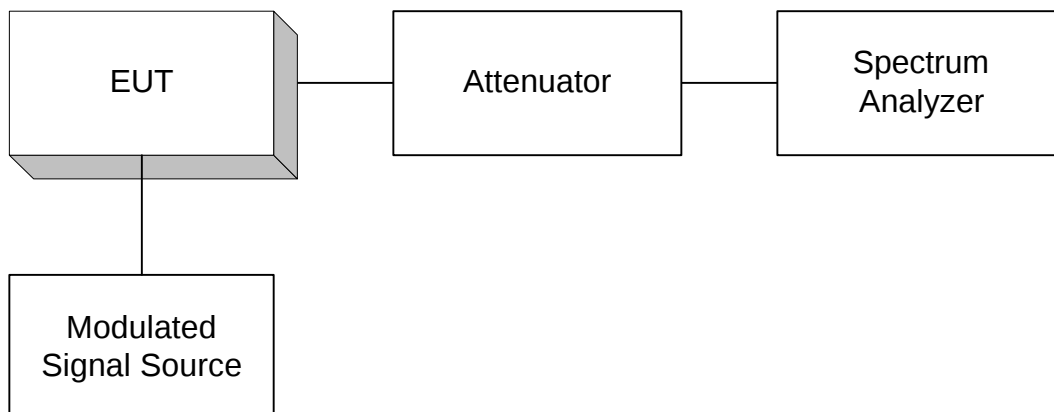
Annex A
Test Diagrams

EQUIPMENT: MW-CBDA-TDMA-B-1W60-A Bi-Directional Amplifier
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Para. No. 2.985 - R.F. Power Output

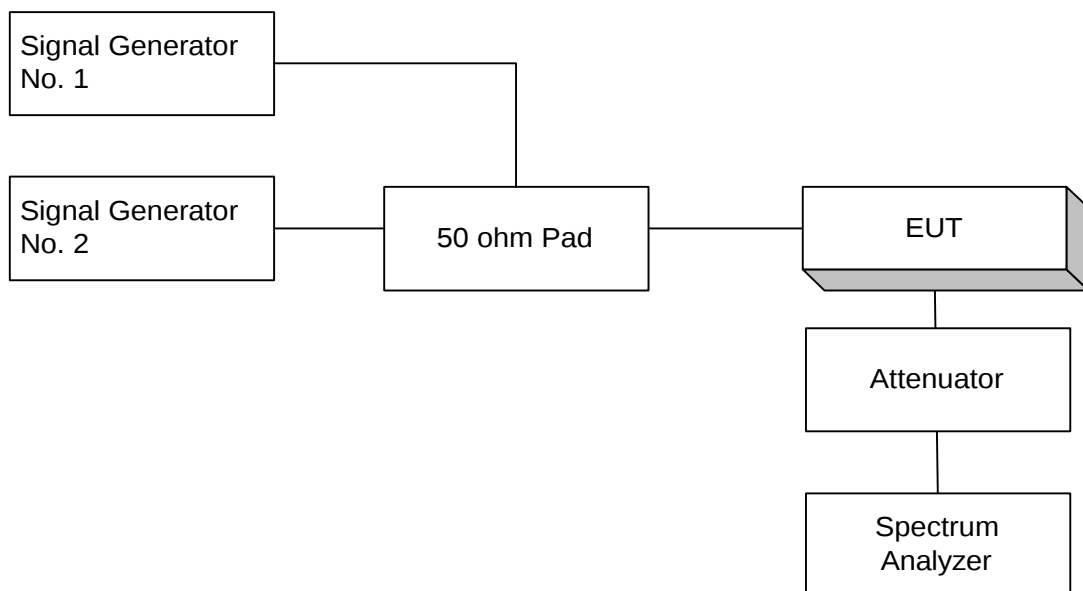
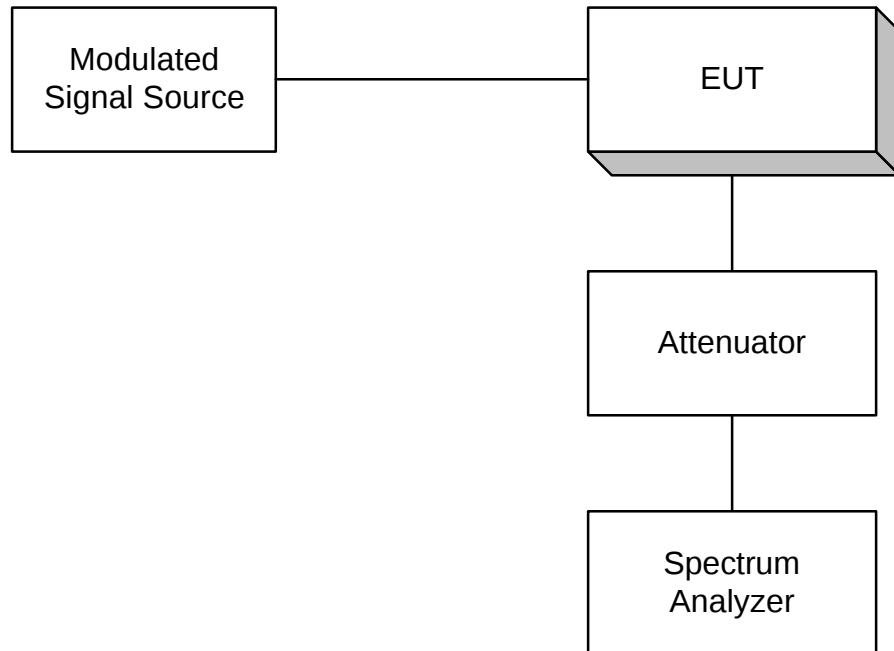


Para. No. 2.989 - Occupied Bandwidth



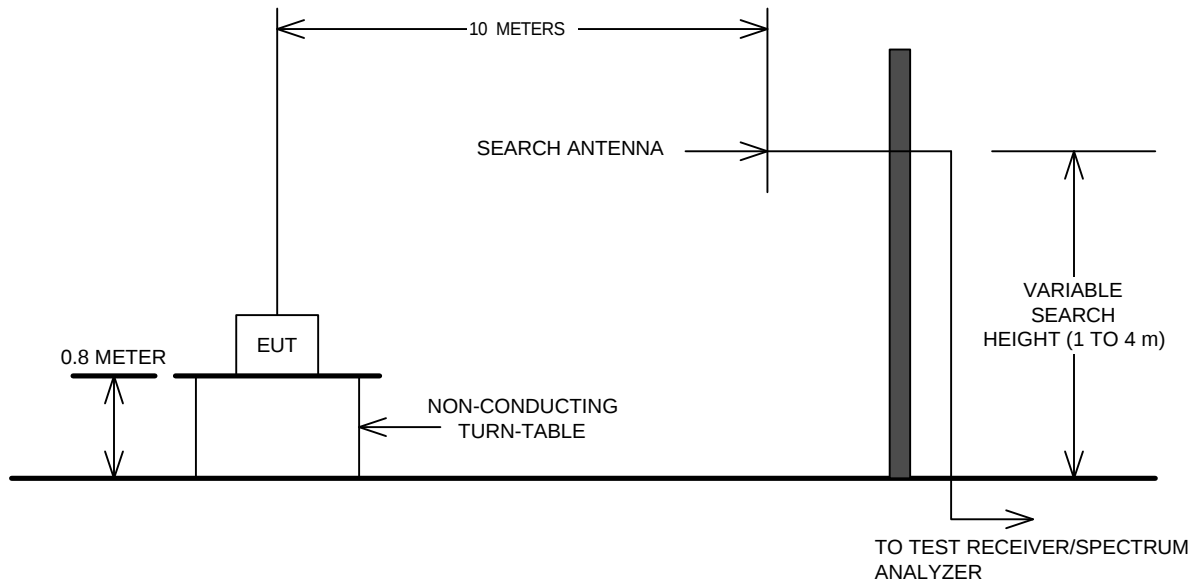
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Para. No. 2.991 Spurious Emissions at Antenna Terminals



EQUIPMENT: MW-CBDA-TDMA-B-1W60-A Bi-Directional Amplifier
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Para. No. 2.993 - Field Strength of Spurious Radiation



Para. No. 2.995 - Frequency Stability

