

Retlif Testing Laboratories

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WASHINGTON
REGULATORY OFFICE
703-533-1614 Fax 703-533-1612

February 12, 2003

DTC Communications
486 Amherst Street
Nashua, NH 03063

Attention: Mr. Scott Frye

Dear Sir:

Enclosed you will find Data Package R-4087N covering the testing of the 2 Watt Video Transmitter, Model/Part Number: VMS2000, Serial Number: ENG-1 to the requirements of FCC Part 2. This testing was performed against Purchase Order Number SFR0056.

Test setup photographs and drawings, equipment lists, and test data are included for each test method performed on the above test sample.

Thank you for this opportunity to be of service to you. Should you have any questions concerning this data or the actual testing of your unit, please do not hesitate to contact us.

Sincerely,

RETLIF TESTING LABORATORIES

Jamie Ramsey
Publications

Enc. (as stated)



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DATA PACKAGE
FOR
DTC COMMUNICATIONS
VIDEO TRANSMITTER
Model/Part Number: VMS2000

Customer Name: DTC Communications

Customer P.O.: SFR0056

Data Package No.: R-4087N

Package Date: February 12, 2003

Test Start Date: January 27, 2003

Test Finish Date: February 7, 2003

Test Technician(s): Tim Firkowski

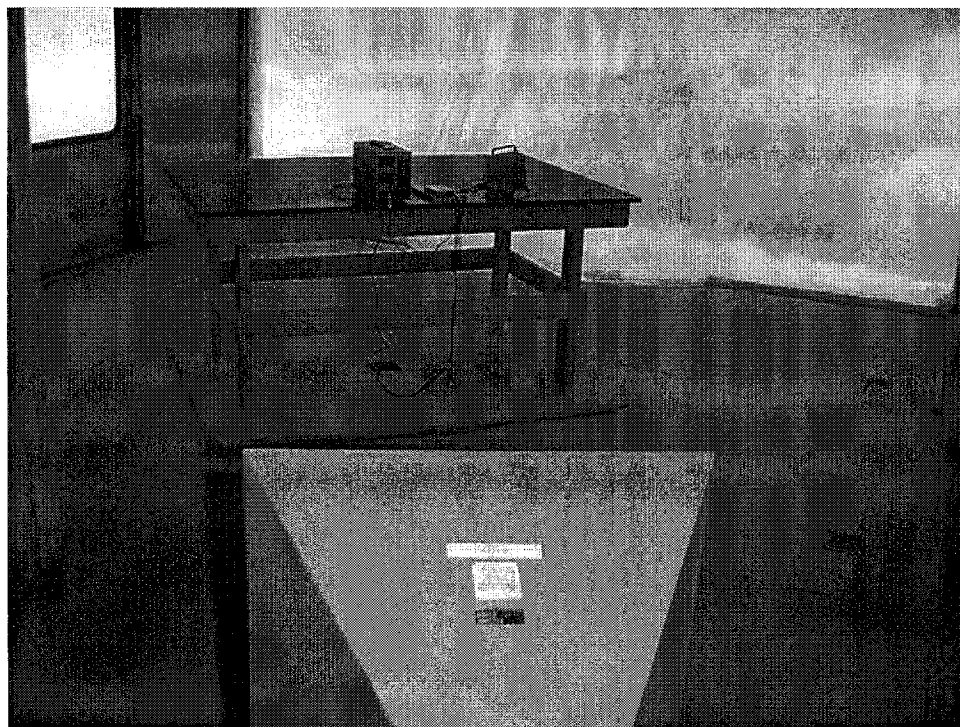
Test Engineer: Scott Wentworth

Data Prepared By: Jamie Ramsey

Supervisor: Scott Wentworth

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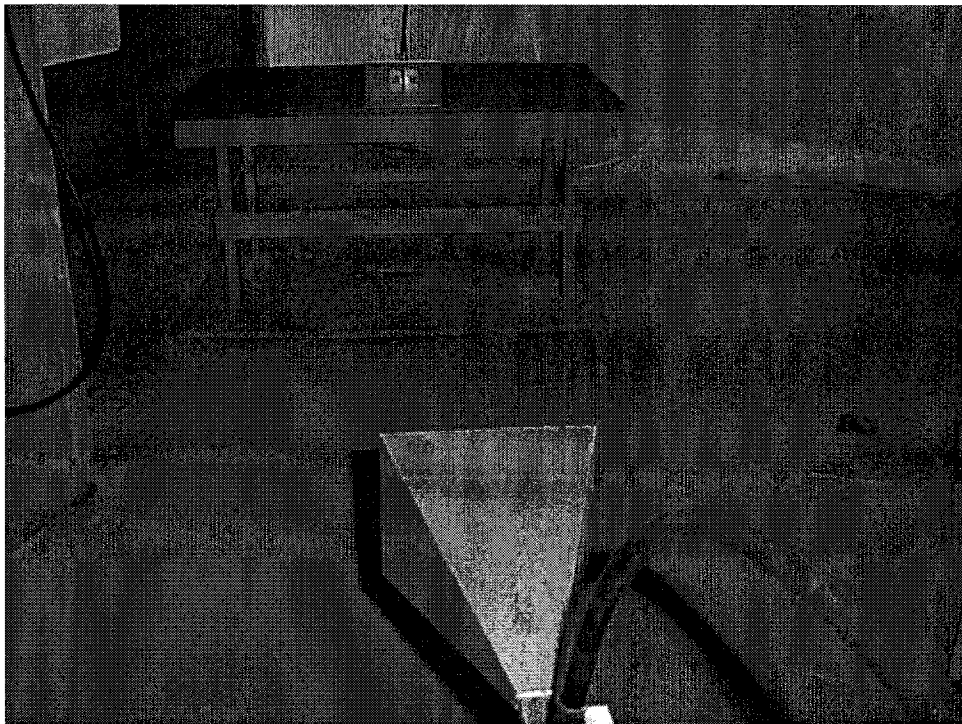
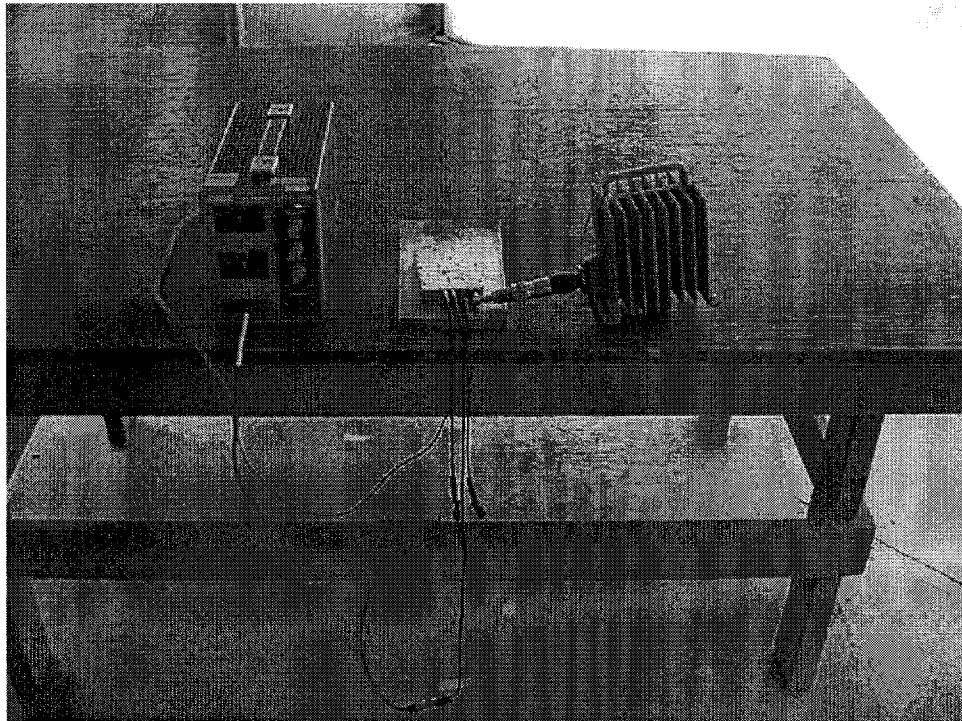
TEST SETUP PHOTOGRAPHS



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DATA PACKAGE No. R-4087N

TEST SETUP PHOTOGRAPHS



Retlif Testing Laboratories

DATA PACKAGE No. R-4087N

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz		
Customer:	DTC Communications, Inc.	Job No:	R-4087N
Test Sample:	2 Watt Video Transmitter		
Model No:	VMS2000	Serial No:	ENG1
Test Specification:	FCC Part 2 Paragraph: 2.1053		
Operating Mode:	Transmitting Carrier Signal only		
Technician:	T. Firkowski	Date:	2/7/03
Notes:	Transmit Frequency: 2.45 GHz Peak Detector		

[illegible]

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:

Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz

Customer:

DTC Communications, Inc.

Job No:

R-4087N

Test Sample:

2 Watt Video Transmitter

Model No:

VMS2000

Serial No:

ENG1

Test Specification:

FCC Part 2

Paragraph: 2.1053

Operating Mode:

Transmitting Carrier Signal only

Technician:

T. Firkowski

Date:

2/7/03

Notes:

Transmit Frequency: 2.475 GHz

Peak Detector

[illegible]

EUT emissions observed throughout the given frequency spectrum were recorded & evaluated. Emission levels closest to the limit are listed on this data sheet.

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz		
Customer:	DTC Communications, Inc.	Job No:	R-4087N
Test Sample:	2 Watt Video Transmitter		
Model No:	VMS2000	Serial No:	ENG1
Test Specification:	FCC Part 2 Paragraph: 2.1053		
Operating Mode:	Transmitting Carrier Signal only		
Technician:	T. Firkowski	Date:	2/7/03
Notes:	Transmit Frequency: 2.5 GHz Peak Detector		

[illegible]

EUT emissions observed throughout the given frequency spectrum were recorded & evaluated. Emission levels closest to the limit are listed on this data sheet.

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz		
Customer:	DTC Communications, Inc.	Job No:	R-4087N
Test Sample:	2 Watt Video Transmitter		
Model No:	VMS2000	Serial No:	ENG1
Test Specification:	FCC Part 2 Paragraph: 2.1053		
Operating Mode:	Transmitting Video Signal		
Technician:	T. Firkowski	Date:	2/7/03
Notes:	Transmit Frequency: 2.45 GHz Peak Detector		

[illegible]

EUT emissions observed throughout the given frequency spectrum were recorded & evaluated. Emission levels closest to the limit are listed on this data sheet.

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz		
Customer:	DTC Communications, Inc.	Job No:	R-4087N
Test Sample:	2 Watt Video Transmitter		
Model No:	VMS2000	Serial No:	ENG1
Test Specification:	FCC Part 2 Paragraph: 2.1053		
Operating Mode:	Transmitting Video Signal		
Technician:	T. Firkowski	Date:	2/7/03
Notes:	Transmit Frequency: 2.475 GHz Peak Detector		

[illegible]

EUT emissions observed throughout the given frequency spectrum were recorded & evaluated. Emission levels closest to the limit are listed on this data sheet.

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:

Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz

Customer:

DTC Communications, Inc.

Job No:

R-4087N

Test Sample:

2 Watt Video Transmitter

Model No:

VMS2000

Serial No:

ENG1

Test Specification:

FCC Part 2

Paragraph: 2.1053

Operating Mode:

Transmitting Video Signal

Technician:

T. Firkowski

Date:

2/7/03

Notes:

Transmit Frequency: 2.5 GHz

Peak Detector

[illegible]

EUT emissions observed throughout the given frequency spectrum were recorded & evaluated. Emission levels closest to the limit are listed on this data sheet.

EQUIPMENT LIST

Spurious Radiated Emissions (ERP)

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date
3008	Signal Generator	Gigatronics	50 MHz - 18 GHz	900/0.05-18	12/2/02	12/2/03
4003	Double Ridge Guide	EMCO	1 GHz - 12.4 GHz	3105	9/20/02	9/20/03
4029	Test Site Attenuation	Retlif	3 / 10 Meters	RNH	8/8/02	8/8/03
4202	Biconilog	EMCO	26 MHz - 2 GHz	3142	7/25/02	7/25/03
4895	Spectrum Analyzer	Hewlett Packard	9kHz - 22GHz	8593EM	2/13/02	2/13/03
4921	Graphics Plotter	Hewlett Packard	N/A	7550A	9/20/02	9/20/03
4984	High Gain Horn	Microlab/FXR	1.0 - 1.7 GHz	L638A	1/3/03	1/3/04
4984	High Gain Horn	Microlab/FXR	1.7 - 2.6 GHz	R638A	1/3/03	1/3/04
4984	High Gain Horn	Microlab/FXR	2.6 - 3.95 GHz	S638A	1/3/03	1/3/04
4984	High Gain Horn	Microlab/FXR	3.95 - 5.85 GHz	H638A	1/3/03	1/3/04
4984	High Gain Horn	Microlab/FXR	5.8 - 8.2 GHz	C638A	1/3/03	1/3/04
4984F	High Gain Horn	Microlab/FXR	8.2 - 12.4 GHz	X638A	1/3/03	1/3/04
4984	High Gain Horn	Microlab/FXR	12.4 GHz - 18 GHz	Y638A	1/3/03	1/3/04
4984	High Gain Horn	Microlab/FXR	18 - 26.5 GHz	K638AF	1/3/03	1/3/04
713	EMI Test Receiver	Rohde & Schwarz	20Hz - 26.5GHz	ESI26	7/19/02	7/19/03



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