

# Retlif Testing Laboratories

101 New Boston Road, Goffstown, NH 03045  
603-497-4600 - Fax: 603-497-5281

CORPORATE OFFICE  
795 Marconi Avenue  
Ronkonkoma, NY 11779  
631-737-1500 Fax 631-737-1497  
(A NY Corporation)

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



April 5, 2006

DTC Communications  
486 Amherst Street  
Nashua, NH 03063

Attention: Mr. James Carrington

Enclosed you will find Data Package R-4535N-1 covering the testing of the Digital Video Transmitter, Model Number: PDTX1000S, Serial Number: N/A to the requirements of FCC Part 2&90. This testing was performed against Purchase Order Number: 56495.

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

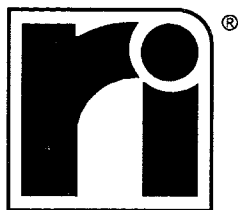
Thank you for this opportunity to be of service to you. Should you have any questions concerning this data or the actual testing of your unit, please do not hesitate to contact us.

Sincerely,

RETLIF TESTING LABORATORIES

Jamie Ramsey  
Publications

Enc. (as stated)



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**DATA PACKAGE  
FOR  
DTC COMMUNICATIONS, INC.  
DIGITAL VIDEO TRANSMITTER  
MODEL NUMBER: PDTX1000S  
SERIAL NUMBER: N/A**

Customer Name: DTC Communications, Inc.  
Customer P.O.: 56995  
Data Package No.: R-4535N-1  
Package Date: April 3, 2006  
Test Start Date: March 23, 2006  
Test Finish Date: April 3, 2006  
Test Technician(s): Todd Hannemann/Matthew Seamans  
Test Engineer: Scott Wentworth  
Data Prepared By: Jamie Ramsey  
Supervisor: Scott Wentworth

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**TEST SETUP PHOTOGRAPHS  
SPURIOUS RADIATED EMISSIONS**



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DATA PACKAGE No. R-4535N-1

**TEST SETUP PHOTOGRAPHS  
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**TEST SETUP PHOTOGRAPHS  
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DATA PACKAGE No. R-4535N-1

# RETLIF TESTING LABORATORIES

## EMISSIONS DATA SHEET

Test Method:	Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz		
Customer:	DTC Communications	Job No:	R-4535N-1
Test Sample:	Digital Video Transmitter		
Model No:	PDTX1000S	Serial No:	N/A
Test Specification:	FCC Part 2 Paragraph: 2.1053		
Operating Mode:	Transmitting Digital Signal		
Technician:	M. Seamans	Date:	03/24/2006
Notes:	Transmit Frequency: 2.38 GHz Peak Detector		

[illegible]

EUT Emissions observed throughout the given frequency spectrum were recorded & evaluated.

\* These harmonic frequencies were not observed above the noise floor of the test equipment which was a minimum of 10dB below the limit.

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## EMISSIONS DATA SHEET

<b>Test Method:</b>	Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz		
<b>Customer:</b>	DTC Communications	<b>Job No:</b>	R-4535N-1
<b>Test Sample:</b>	Digital Video Transmitter		
<b>Model No:</b>	PDTX1000S	<b>Serial No:</b>	N/A
<b>Test Specification:</b>	FCC Part 2 Paragraph: 2.1053		
<b>Operating Mode:</b>	Transmitting Digital Signal		
<b>Technician:</b>	M. Seamans	<b>Date:</b>	03/24/2006
<b>Notes:</b>	Transmit Frequency: 2.43 GHz Peak Detector		

[illegible]

EUT Emissions observed throughout the given frequency spectrum were recorded & evaluated.

\* These harmonic frequencies were not observed above the noise floor of the test equipment which was a minimum of 10dB below the limit.

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# EMISSIONS DATA SHEET

Test Method:	Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz		
Customer:	DTC Communications	Job No:	R-4535N-1
Test Sample:	Digital Video Transmitter		
Model No:	PDTX1000S	Serial No:	N/A
Test Specification:	FCC Part 2 Paragraph: 2.1053		
Operating Mode:	Transmitting Digital Signal		
Technician:	M. Seamans	Date:	03/24/2006
Notes:	Transmit Frequency: 2.48 GHz Peak Detector		

[illegible]

							EUT Emissions observed throughout the given frequency spectrum were recorded & evaluated.
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\* These harmonic frequencies were not observed above the noise floor of the test equipment which was a minimum of 10dB below the limit.



# EQUIPMENT LIST

## SPURIOUS RADIATED EMISSIONS

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due
3258	Double Ridge Guide	EMCO	1 - 18 GHz	3115	8/21/2005	8/21/2006
4003A	Double Ridge Guide	EMCO	1 GHz - 12.4 GHz	3105	10/25/2005	10/25/2006
4202	Biconilog	EMCO	26 MHz - 2 GHz	3142	12/14/2005	12/14/2006
4984A	High Gain Horn	Microlab/FXR	1.0 - 1.7 GHz	L638A	1/25/2006	1/25/2007
4984B	High Gain Horn	Microlab/FXR	1.7 - 2.6 GHz	R638A	1/25/2006	1/25/2007
4984C	High Gain Horn	Microlab/FXR	2.6 - 3.95 GHz	S638A	1/25/2006	1/25/2007
4984D	High Gain Horn	Microlab/FXR	3.95 - 5.85 GHz	H638A	1/25/2006	1/25/2007
4984E	High Gain Horn	Microlab/FXR	5.8 - 8.2 GHz	C638A	1/25/2006	1/25/2007
4984F	High Gain Horn	Microlab/FXR	8.2 - 12.4 GHz	X638A	1/25/2006	1/25/2007
713	EMI Test Receiver	Rohde & Schwarz	20 Hz - 26.5 GHz	ESI26	3/22/2005	4/22/2006
R417	Preamplifier	Hewlett Packard	1-26.5 GHz	AT/8449B	5/2/2005	5/2/2007



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