

# **Retlif Testing Laboratories**

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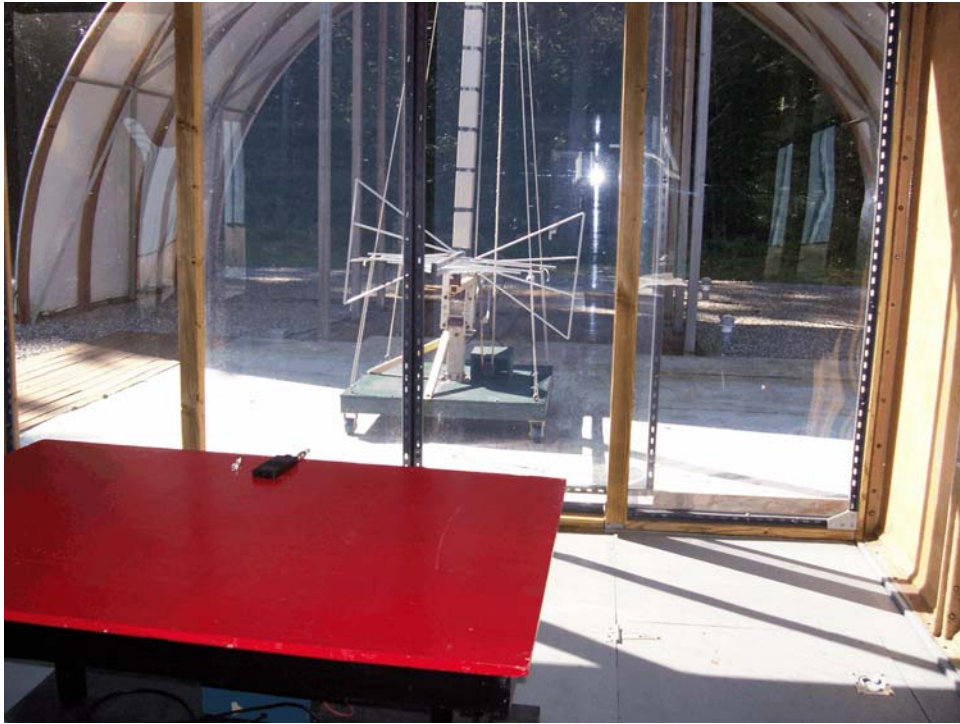


DATA PACKAGE  
FOR  
***DTC COMMUNICATIONS, INC.***  
DIGITAL VIDEO TRANSMITTER  
MODEL NUMBER: PDTX100  
SERIAL NUMBER: N/A

Customer Name: DTC Communications, Inc.  
Customer P.O.: 56583  
Data Package No.: R-4499N  
Package Date: September 19, 2005  
Test Start Date: September 9, 2005  
Test Finish Date: September 9, 2005  
Test Technician(s): Tim Firkowski  
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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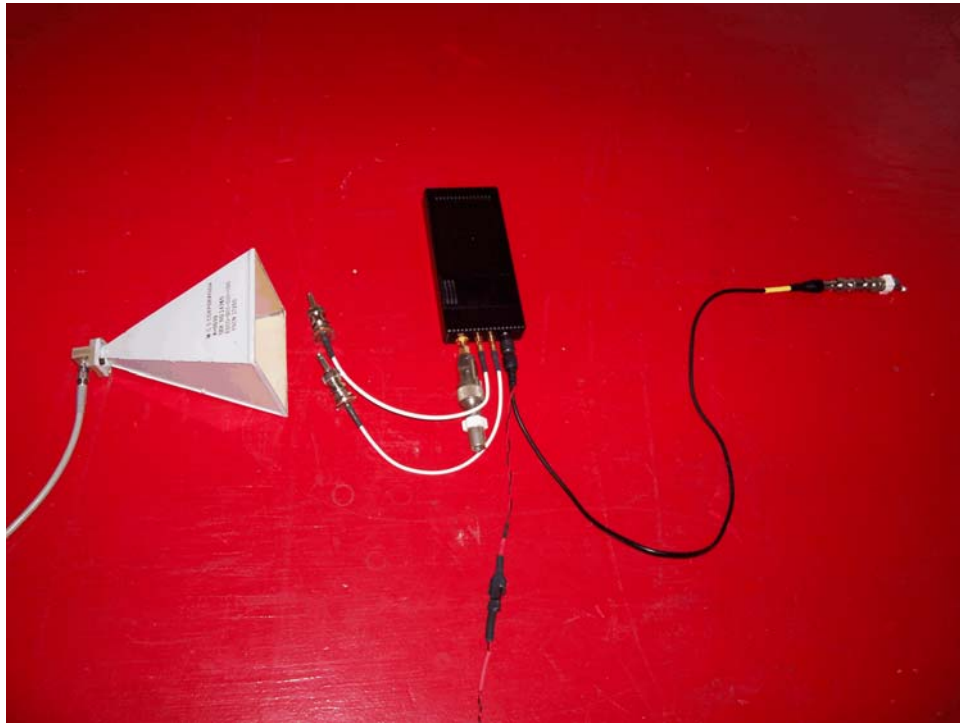
**TEST SETUP PHOTOGRAPHS  
SPURIOUS RADIATED EMISSIONS**



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**TEST SETUP PHOTOGRAPH  
SPURIOUS RADIATED EMISSIONS**



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**EQUIPMENT LIST**  
**SPURIOUS RADIATED EMISSIONS**

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due
3116	Pre-Amplifier	Miteq	0.1 GHz - 18 GHz	AFS42-35	08/21/2005	08/21/2006
3119A	Pre-Amplifier	Retlif	10 kHz - 1 GHz	RET-PA-SW	08/21/2005	08/21/2006
543	Pre-Amplifier	Hewlett Packard	1.0 GHz - 26.5 GHz	8449B	07/27/2005	07/27/2006
4029B	Test Site Attenuation	Retlif	3 / 10 Meters	RNH	12/03/2004	12/03/2005
4202	Biconilog	EMCO	26 MHz - 2 GHz	3142	12/13/2004	12/13/2005
4984A	High Gain Horn	Microlab/FXR	1.0 - 1.7 GHz	L638A	01/25/2005	01/25/2006
4984B	High Gain Horn	Microlab/FXR	1.7 - 2.6 GHz	R638A	01/25/2005	01/25/2006
4984C	High Gain Horn	Microlab/FXR	2.6 - 3.95 GHz	S638A	01/25/2005	01/25/2006
4984D	High Gain Horn	Microlab/FXR	3.95 - 5.85 GHz	H638A	01/25/2005	01/25/2006
4984E	High Gain Horn	Microlab/FXR	5.8 - 8.2 GHz	C638A	01/25/2005	01/25/2006
4984F	High Gain Horn	Microlab/FXR	8.2 - 12.4 GHz	X638A	01/25/2005	01/25/2006
4984G	High Gain Horn	Microlab/FXR	12.4 GHz - 18 GHz	Y638A	01/25/2005	01/25/2006
4984H	High Gain Horn	Microlab/FXR	18 - 26.5 GHz	K638AF	01/25/2005	01/25/2006
713	EMI Test Receiver	Rohde & Schwarz	20 Hz - 26.5 GHz	ESI26	03/22/2005	03/22/2006
3116	Pre-Amplifier	Miteq	0.1 GHz - 18 GHz	AFS42-35	08/21/2005	08/21/2006
3258	Double Ridge Guide	EMCO	1 - 18 GHz	3115	08/21/2005	08/21/2006
5001A	Sweep Oscillator	Hewlett Packard	.01 - 20.4 GHz	8350B	04/15/2005	04/15/2006
5001B	Oscillator Plug-In	Hewlett Packard	.01 - 20 GHz	83592A	04/15/2005	04/15/2006



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**TEST SETUP PHOTOGRAPH  
RADIATED EMISSIONS**



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# RETLIF TESTING LABORATORIES

## EMISSIONS DATA SHEET

<b>Test Method:</b>	Radiated Emissions 30 MHz to 1 GHz		
<b>Customer:</b>	DTC Communications, Inc.	<b>Job No.:</b>	R-4499N
<b>Test Sample:</b>	Digital Video Transmitter		
<b>Model No.:</b>	PDX100	<b>Serial No.:</b>	n/a
<b>Test Specification:</b>	FCC Part 15 Subpart B Class B Paragraph: 15.109 (a)		
<b>Operating Mode:</b>	Transmitting Video Signal		
<b>Technician:</b>	T. Firkowski	<b>Date:</b>	September 7, 2005
<b>Notes:</b>	Test Distance: 3 Meters Detector: Quasi-Peak		

Test Frequency	Antenna Position	EUT Position	Uncorrected Reading	Correction Factor	Corrected Reading				Limit at 3 Meters
MHz	(H/V) - Height	Axis	dBuV	dB	dBuV/m				dBuV/m
30.00	-	-	-	-	-				40.0
	-	-	-	-	-				
40.50	V-1m	Y	42.21	-4.00	38.21				
40.97	H-1m	Y	28.06	-4.24	23.82				
54.01	H-1m	Z	30.80	-9.23	21.57				
54.01	V-1m	Y	44.29	-9.23	35.06				
76.37	V-1m	Y	33.81	-9.00	24.81				
81.00	V-1m	Y	42.00	-8.71	33.29				
	-	-	-	-	-				
88.00	-	-	-	-	-				40.0
88.00	-	-	-	-	-				43.5
	-	-	-	-	-				
120.00	V-1m	Z	36.26	-6.99	29.27				
141.20	V-1m	Z	33.85	-6.51	27.34				
153.80	V-1m	Z	32.20	-5.76	26.44				
156.25	V-1m	Z	36.38	-5.66	30.72				
161.99	H-1m	Z	29.65	-5.48	24.17				
161.99	V-1m	Y	41.17	-5.48	35.69				
165.88	H-1m	Z	29.51	-5.42	24.09				
165.88	V-1m	Z	40.68	-5.42	35.26				
170.95	V-1m	Z	33.89	-5.33	28.56				
193.18	V-1m	X	36.45	-4.68	31.77				
210.12	H-1m	Z	35.17	-3.85	31.32				
210.12	V-1m	Z	36.70	-3.85	32.85				
213.83	H-1m	Z	39.75	-3.60	36.15				
213.83	V-1m	Z	41.08	-3.60	37.48				
	-	-	-	-	-				
216.00	-	-	-	-	-				43.5
216.00	-	-	-	-	-				46.0
	-	-	-	-	-				
216.01	H-1m	Z	36.86	-3.45	33.41				

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



**EQUIPMENT LIST  
FCC PART 15 RADIATED EMISSIONS**

<b>EN</b>	<b>Type</b>	<b>Manufacturer</b>	<b>Description</b>	<b>Model No.</b>	<b>Cal Date</b>	<b>Due</b>
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