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MEMBER
ACIL

DATA PACKAGE
FOR
DTC COMMUNICATIONS, INC.
DIGITAL VIDEO TRANSMITTER
MODEL NUMBER: PDTX100SBW
SERIAL NUMBER: N/A

Customer Name: DTC Communications, Inc.

Customer P.O.: 75409

Data Package No.: R-4547N

Package Date: January 20, 2006

Test Start Date: January 9, 2006

Test Finish Date: January 16, 2006

Test Technician(s): Matthew Seamans

Test Engineer: Scott Wentworth

Data Prepared By: Jamie Ramsey

Supervisor: Scott Wentworth

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**TEST SETUP PHOTOGRAPH
SPURIOUS RADIATED EMISSIONS**



NOTE: The test sample was installed in the vest configuration in order to emulate the orientation and cable arrangement of how the device will be used in the field.



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**TEST SETUP PHOTOGRAPHS
SPURIOUS RADIATED EMISSIONS**



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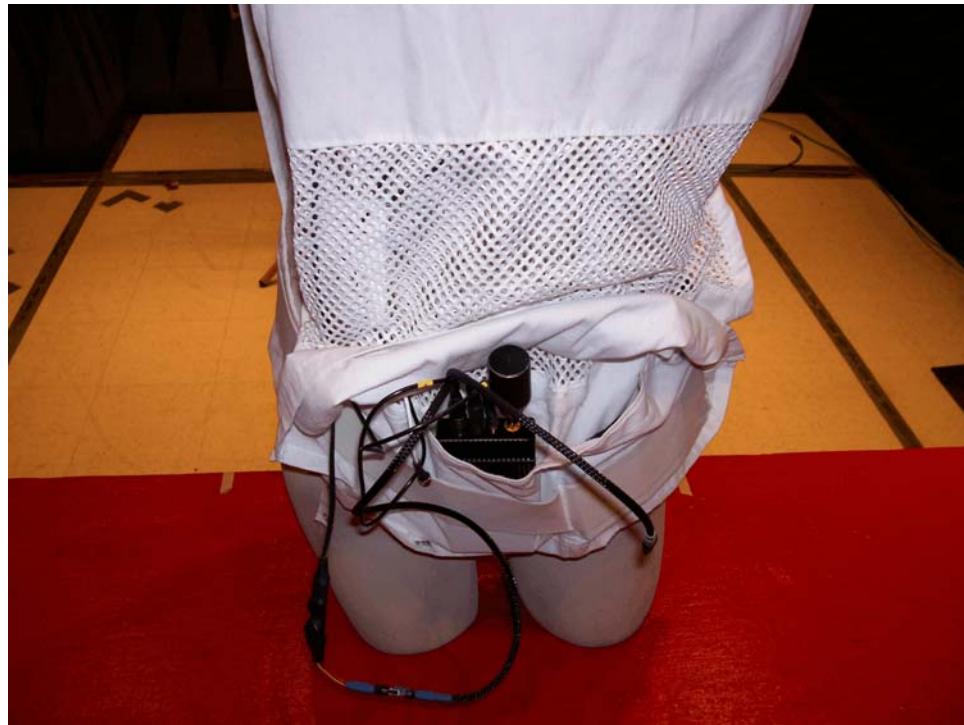
**TEST SETUP PHOTOGRAPH
SPURIOUS RADIATED EMISSIONS**



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**TEST SETUP PHOTOGRAPH
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RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz								
Customer:	DTC Communications		Job No:		R-4547N				
Test Sample:	Bodyworn Digital Video Transmitter								
Model No:	PDTX100SBW		Serial No:		N/A				
Test Specification:	FCC Part 2, TIA/EIA-603 Paragraph: 2.1053								
Operating Mode:	Transmitting Digital Signal								
Technician:	M.Seamans		Date:		1/16/2006				
Notes:	Transmit Frequency: 2.38 GHz Peak Detector								
Test Frequency	Antenna/EUT Position	Reference Reading	Signal Gen Level	Reference Ant Gain				Corrected Reading	Spurious Limit
MHz	Polarity/Axis	dBm	dBm	dBd				dBm	dBm
30.00	-	-	-	-				-	-13.00
4760.03	V/Y	57.92	-53.39	8.14				-45.25	I
7139.30	H/Z	61.96	-49.32	8.83				-40.49	I
9518.74	V/Y	52.06	-56.85	9.30				-47.55	I
11900.10	H/Y	50.01	-59.39	8.96				-50.43	I
14280.00	-	*	-	-				-	I
16660.00	-	*	-	-				-	I
19040.00	-	*	-	-				-	I
21420.00	-	*	-	-				-	I
23800.00	-	*	-	-				-	I
I	-	-	-	-				-	I
25000.00	-	-	-	-				-	-13.00
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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Model No:	PDTX100SBW			Serial No:	N/A				
Test Specification:	FCC Part 2, TIA/EIA-603 Paragraph: 2.1053								
Operating Mode:	Transmitting Digital Signal								
Technician:	M.Seamans			Date:	1/16/2006				
Notes:	Transmit Frequency: 2.43 GHz Peak Detector								
Test Frequency	Antenna/EUT Position	Reference Reading	Signal Gen Level	Reference Ant Gain				Corrected Reading	Spurious Limit
MHz	Polarity/Axis	dBm	dBm	dBd				dBm	dBm
30.00	-	-	-	-				-	-13.00
4859.80	V/X	56.43	-50.40	8.00				-42.40	1
7289.70	V/X	59.74	-47.96	8.66				-39.30	1
9720.18	H/Y	51.31	-56.80	9.21				-47.59	1
12157.27	H/Y	49.91	-53.98	8.44				-45.54	1
14587.00	-	*	-	-				-	1
17011.00	-	*	-	-				-	1
19040.00	-	*	-	-				-	1
21420.00	-	*	-	-				-	1
23800.00	-	*	-	-				-	1
25000.00	-	-	-	-				-	-13.00
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Model No.:	PDTX100SBW	Serial No.:	N/A
Test Specification:	FCC Part 2, TIA/EIA-603 Paragraph: 2.1053		
Operating Mode:	Transmitting Digital Signal		
Technician:	M.Seamans	Date:	1/16/2006
Notes:	Transmit Frequency: 2.48 GHz Peak Detector		

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

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EQUIPMENT LIST

SRE

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due
3430	Horn Antenna	MCS Corporation	18 GHz - 26.5 GHz	K-5039	1/25/2005	1/25/2006
4029B	Test Site Attenuation	Retlif	3 / 10 Meters	RNH	12/3/2004	2/3/2006
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	1/25/2005	1/25/2006
4984B	High Gain Horn	Microlab/FXR	1.7 - 2.6 GHz	R638A	1/25/2005	1/25/2006
4984C	High Gain Horn	Microlab/FXR	2.6 - 3.95 GHz	S638A	1/25/2005	1/25/2006
4984D	High Gain Horn	Microlab/FXR	3.95 - 5.85 GHz	H638A	1/25/2005	1/25/2006
4984E	High Gain Horn	Microlab/FXR	5.8 - 8.2 GHz	C638A	1/25/2005	1/25/2006
4984F	High Gain Horn	Microlab/FXR	8.2 - 12.4 GHz	X638A	1/25/2005	1/25/2006
4984G	High Gain Horn	Microlab/FXR	12.4 GHz - 18 GHz	Y638A	1/25/2005	1/25/2006
4984H	High Gain Horn	Microlab/FXR	18 - 26.5 GHz	K638AF	1/25/2005	1/25/2006
R417	Preamplifier	Hewlett Packard	1-26.5 GHz	AT/8449B	5/2/2005	5/2/2007



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