



Retlif Testing Laboratories

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May 5, 2005

DTC Communications, Inc.
486 Amherst Street
Nashua, NH 03063

Attention: Mr. James Carrington

Dear James:

Enclosed you will find Data Package R-4429N covering the testing of the Palladium TX 1000 Module, Model Number: PD-TX-1000-M-S, Serial Number: N/A to the requirements of FCC Parts 2 & 90, method Spurious Radiated Emissions (ERP), 30MHz to 25GHz. This testing was performed against Purchase Order Number 55842.

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

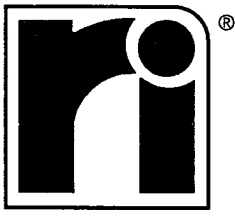
Thank you for this opportunity to be of service to you. Should you have any questions concerning this data or the actual testing of your unit, please do not hesitate to contact us.

Sincerely,

RETLIF TESTING LABORATORIES

Jamie Ramsey
Publications

Enc. (as stated)



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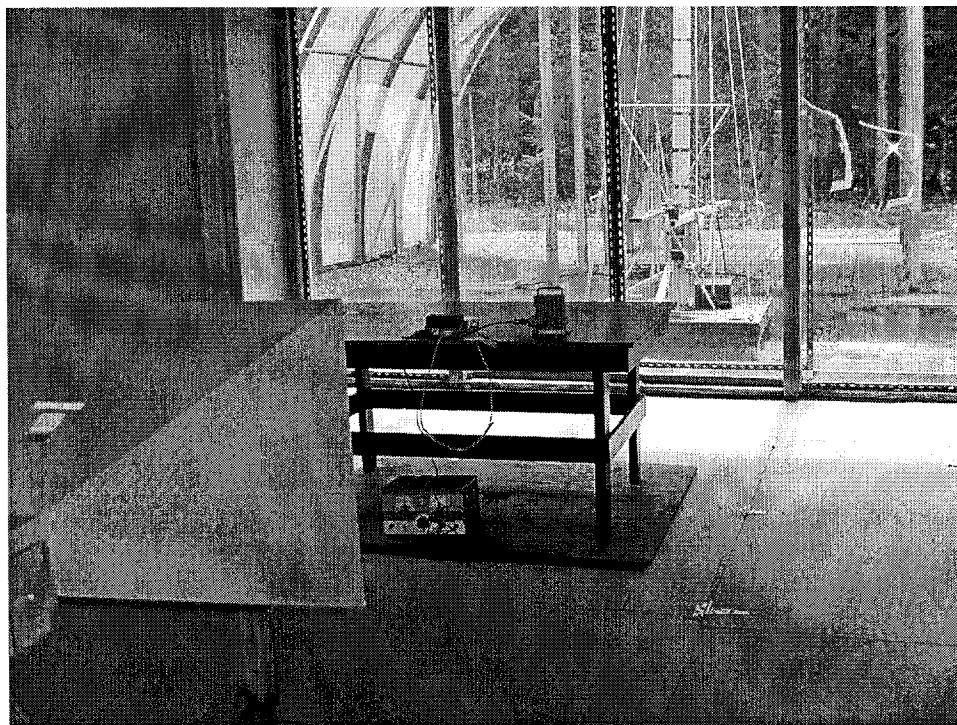
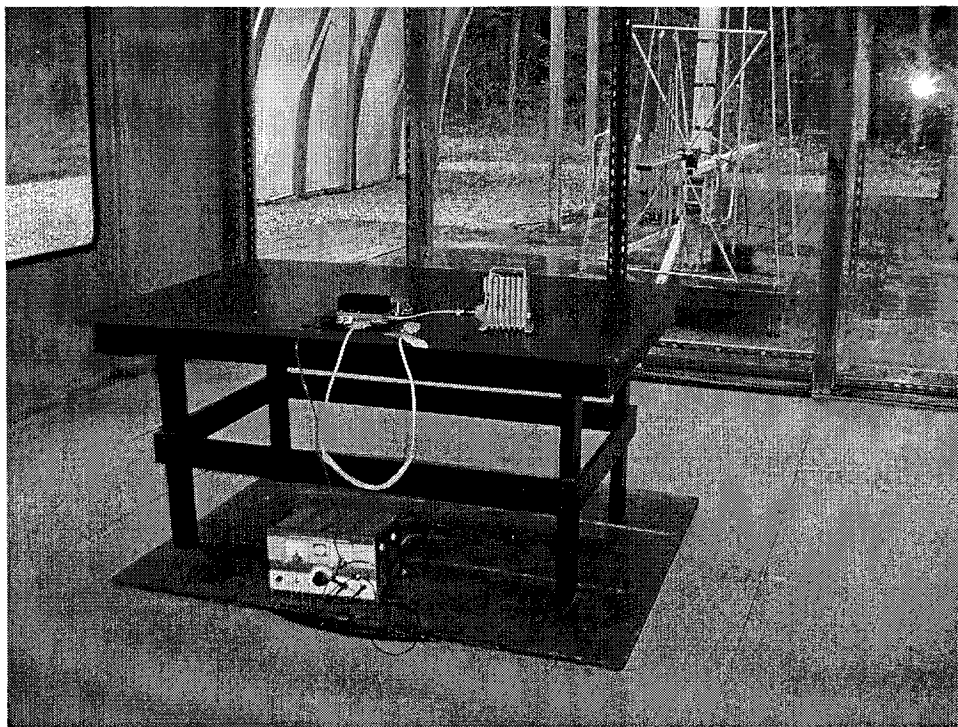


DATA PACKAGE
FOR
DTC COMMUNICATIONS, INC.
PALLADIUM TX 1000 MODULE
MODEL NUMBER: PD-TX-1000-M-S
SERIAL NUMBER: N/A

Customer Name: DTC Communications, Inc.
Customer P.O.: 55842
Data Package No.: R-4429N
Package Date: May 4, 2005
Test Start Date: April 26, 2005
Test Finish Date: April 29, 2005
Test Technician(s): Tim Firkowski
Test Engineer: Scott Wentworth
Data Prepared By: Jamie Ramsey
Supervisor: Scott Wentworth

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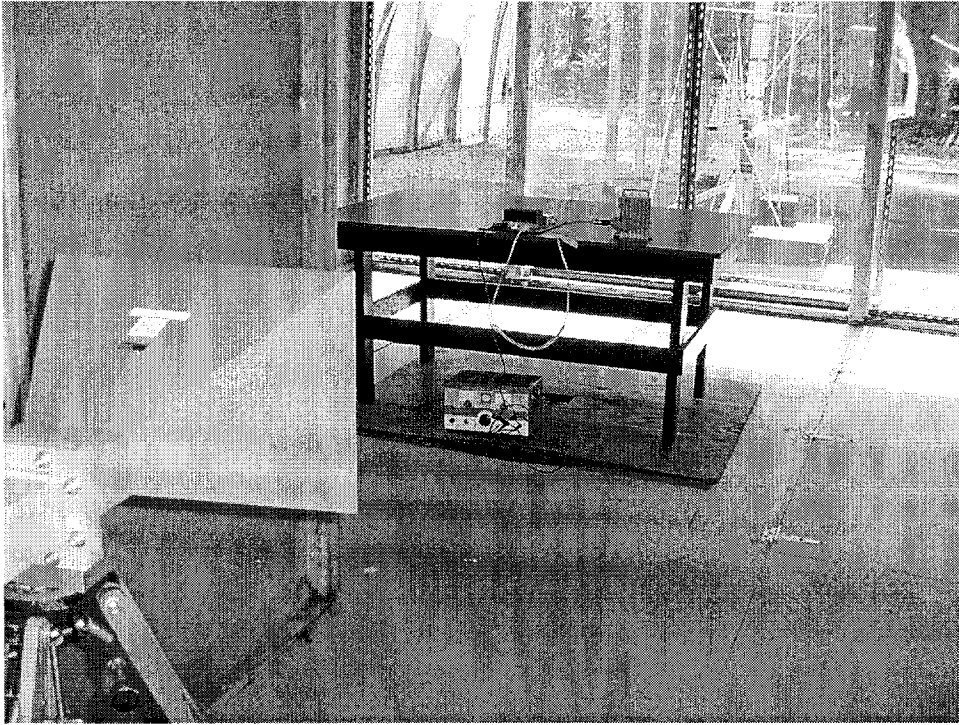
**TEST SETUP PHOTOGRAPHS
SPURIOUS RADIATED EMISSIONS**



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DATA PACKAGE No. R-4429N

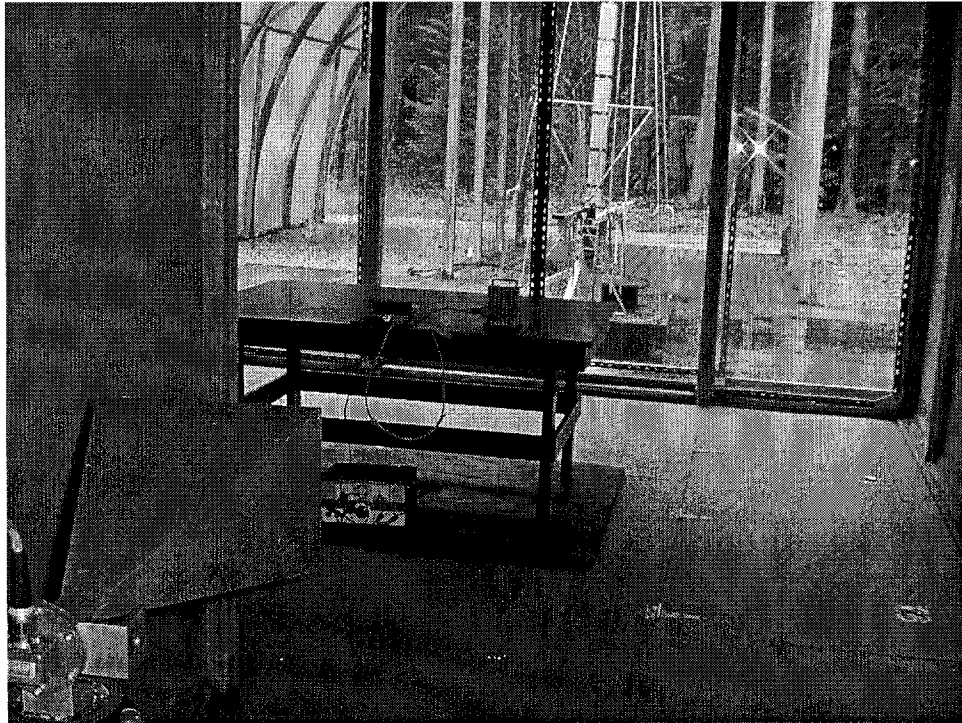
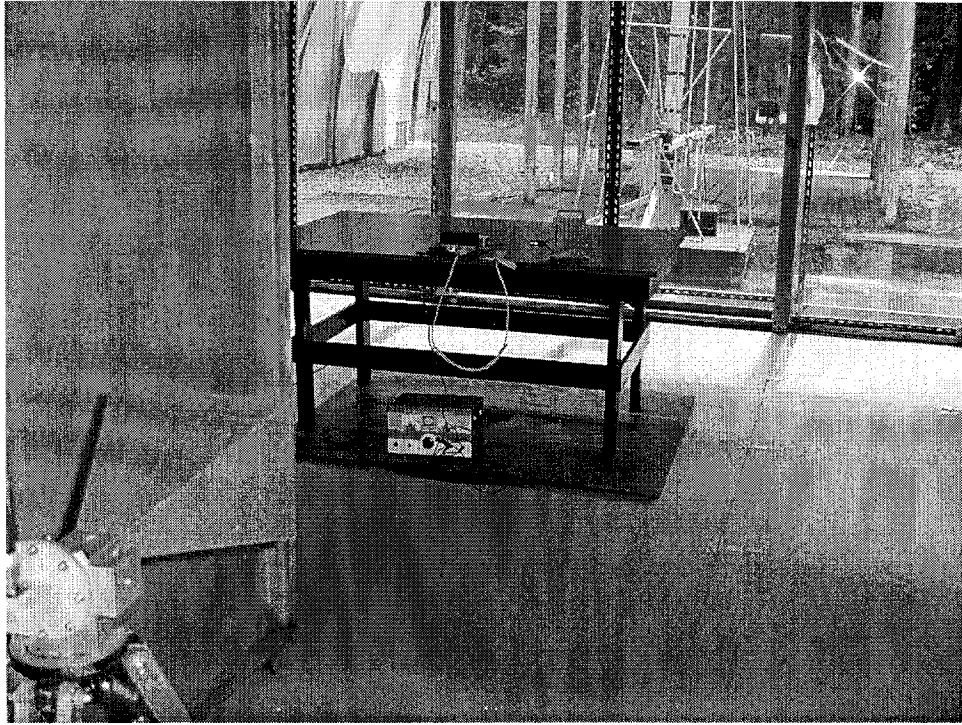
**TEST SETUP PHOTOGRAPHS
SPURIOUS RADIATED EMISSIONS**



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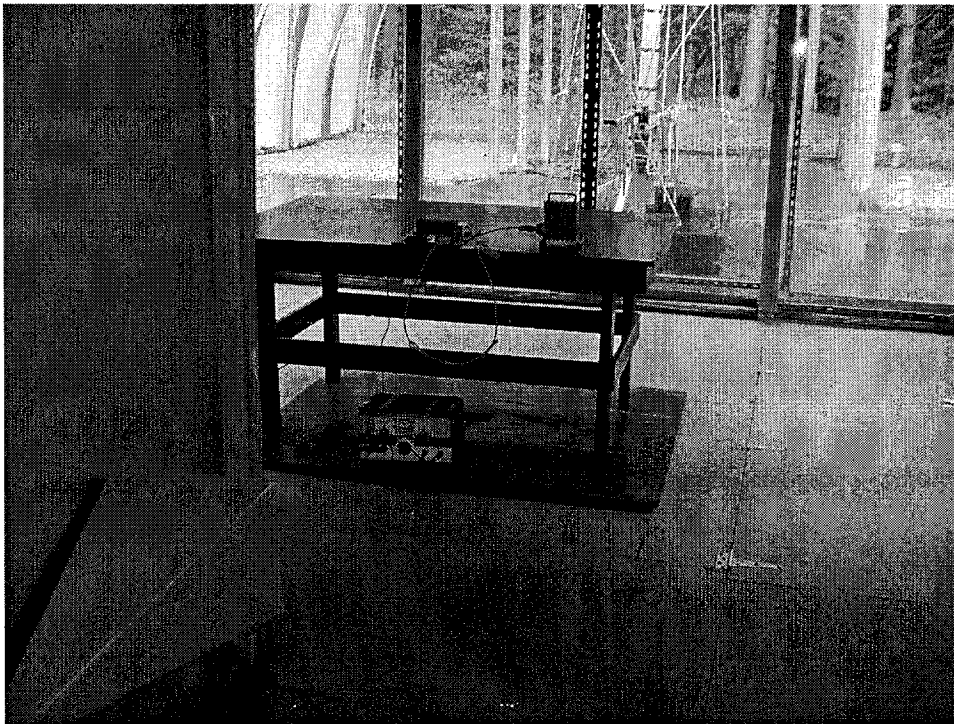
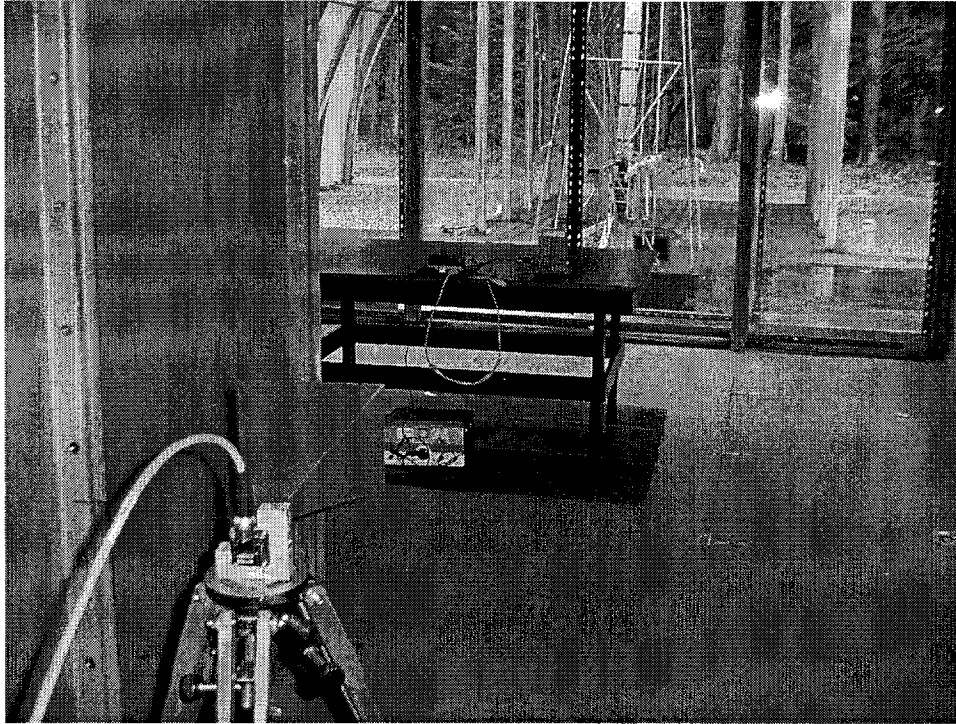
**TEST SETUP PHOTOGRAPHS
SPURIOUS RADIATED EMISSIONS**



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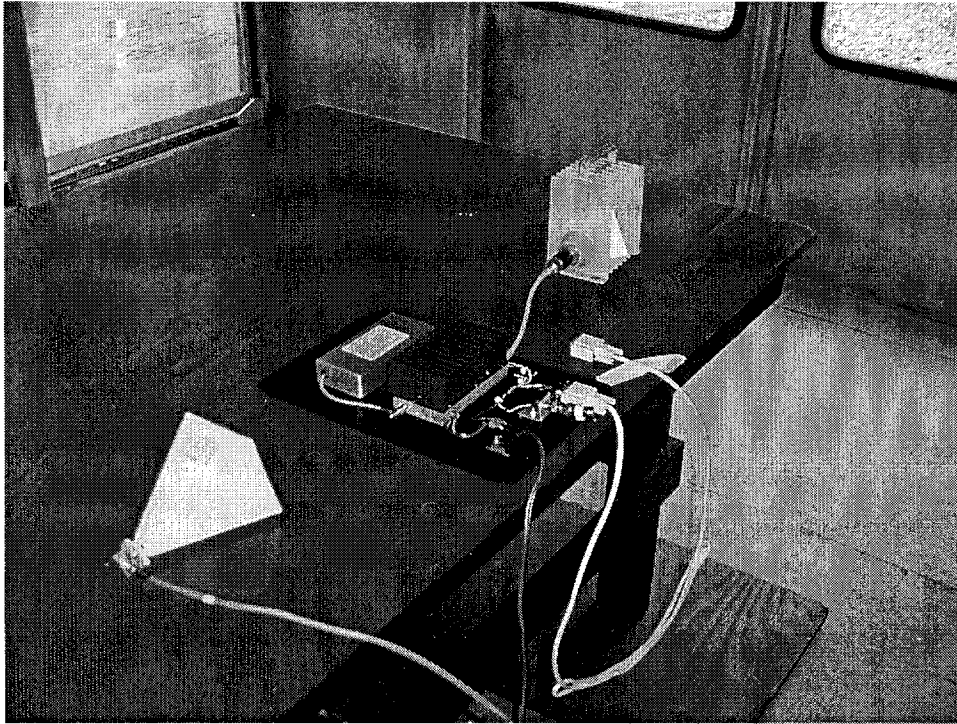
**TEST SETUP PHOTOGRAPHS
SPURIOUS RADIATED EMISSIONS**



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DATA PACKAGE No. R-4429N

**TEST SETUP PHOTOGRAPH
SPURIOUS RADIATED EMISSIONS**



Retlif Testing Laboratories

DATA PACKAGE No. R-4429N

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method: Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz
Customer: DTC Communications, Inc. **Job No:** R-4429N
Test Sample: Palladium TX1000 Module
Model No: PD-TX-1000-M-S **Serial No:** n/a
Test Specification: FCC Part 2
 Paragraph: 2.1053
Operating Mode: Transmitting Digital Signal
Technician: T. Firkowski **Date:** 4/29/2005
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
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
	-	-	-	-					-	
25000.00	-	-	-	-					-	-13.00

No EUT emissions were observed throughout the given frequency spectrum.

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz		
Customer:	DTC Communications, Inc.	Job No:	R-4429N
Test Sample:	Palladium TX1000 Module		
Model No:	PD-TX-1000-M-S	Serial No:	n/a
Test Specification:	FCC Part 2 Paragraph: 2.1053		
Operating Mode:	Transmitting Digital Signal		
Technician:	T. Firkowski	Date:	4/29/2005
Notes:	Transmit Frequency: 2.41 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
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
25000.00	-	-	-	-				-	-13.00

No EUT emissions were observed throughout the given frequency spectrum.

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Spurious Radiated Emissions (ERP) 30 MHz to 25 GHz		
Customer:	DTC Communications, Inc.	Job No:	R-4429N
Test Sample:	Palladium TX1000 Module		
Model No:	PD-TX-1000-M-S	Serial No:	n/a
Test Specification:	FCC Part 2 Paragraph: 2.1053		
Operating Mode:	Transmitting Digital Signal		
Technician:	T. Firkowski	Date:	4/29/2005
Notes:	Transmit Frequency: 2.48 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
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
	-	-	-	-				-	
25000.00	-	-	-	-				-	-13.00
No EUT emissions were observed throughout the given frequency spectrum.									

EQUIPMENT LIST
SPURIOUS RADIATED EMISSIONS

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	12/3/2005
4202	Biconilog	EMCO	26 MHz - 2 GHz	3142	12/13/2004	12/13/2005
4895	Spectrum Analyzer	Hewlett Packard	9kHz - 22GHz	8593EM	4/22/2004	5/22/2005
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
713	EMI Test Receiver	Rohde & Schwarz	20 Hz - 26.5 GHz	ESI26	3/22/2005	3/22/2006



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DATA PACKAGE No. R-4429N