

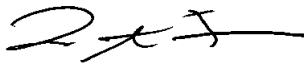


**Data Critical Corporation
FCC Part 95H
Permissive Change Application
Model DT-4500 (Ambulatory Transceiver)
UST Project: 03-0375
January 14, 2004**



I certify that I am authorized to sign for the manufacturer and that all of the statements in this report and in the Exhibits attached hereto are true and correct to the best of my knowledge and belief:

UNITED STATES TECHNOLOGIES, INC. (AGENT RESPONSIBLE FOR TEST):

By: 

Name: Louis A. Feudi

Title: Operations Manager

Date: January 14, 2004

**Data Critical Corporation
15222 Del Amo Avenue
Tustin, CA 92780**

By: _____

Name: _____

Title: _____

Date: _____

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MEASUREMENT/TECHNICAL REPORT

COMPANY NAME: **Data Critical Corporation**

MODEL: **DT-4500 (Ambulatory Transceiver)**

FCC ID: **BQI01DT-4500**

DATE: **January 14, 2004**

This report concerns (check one): Original grant
Class II change

Equipment type: **Ambulatory Transceiver**

Deferred grant requested per 47 CFR 0.457(d)(1)(ii)? yes No

If yes, defer until: _____
date

N.A. agrees to notify the Commission by N.A.
date

of the intended date of announcement of the product so that the grant can be issued on that date.

Report prepared by:

United States Technologies, Inc.
3505 Francis Circle
Alpharetta, GA 30004

Phone Number: (770) 740-0717
Fax Number: (770) 740-1508

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SECTION 1

GENERAL INFORMATION

GENERAL INFORMATION

1.1 Product Description

The Equipment Under Test (EUT) is a Data Critical Corporation Model DT-4500, (Ambulatory Transceiver).

The Transceiver Model: DT-4500 (EUT) was connected to six ECG leads via its ECG port. The EUT is powered by a nine volt battery. The EUT was tested in all three axis, with the X axis producing worst case results, with the low, middle, and high channels tested. The EUT was continuously transmitting. The laptop was used to program the EUT to remain on the same channel for testing purposes. The antennas are the ECG leads and have a special non-standard ECG bulkhead connector.

The final radiated data was taken in the transmitting mode.

Related Submittal(s)/Grant(s)

FCC ID: BQI01DT-4500

1.3 Descriptions of Changes in Certified Equipment

GE has requested Cirronet to add some additional operating channels to the operating set of the WIT608 radio receiver contained inside of the DT-4500 unit. We have added 2 new channels at the bottom and 5 channels at the top of our 608-614 MHz frequency band.

Previous WIT608 32 channel plan with
Crystal frequency=7.3728MHz

$$F_x := 7.3728$$

$$F_{ref} := \frac{F_x}{54}$$

$$F_{ref} = 0.136533$$

MHz

$$\text{FirstIF} := 520 \cdot F_{ref}$$

$$\text{FirstIF} = 70.997333$$

$$\text{SecondIF} := 18 \cdot F_{ref}$$

$$\text{SecondIF} = 2.4576$$

$$\text{SecondLO} := 538 \cdot F_{ref}$$

$$\text{SecondLO} = 73.454933$$

$$i := 0..38$$

$$\text{Ch}_i := F_{ref} \cdot (4456 + i)$$

$$\text{RxCh}_i := F_{ref} \cdot (3938 + i)$$

$$\text{TxCh}_i := F_{ref} \cdot (3920 + i)$$

New Expanded WIT608 Channel Frequencies.

Proposed new channels are:
0, 1h, 22h, 23h, 24h, 25h, 26h

Old channel set extended from
2h to 21h (608.6656 MHz to
612.898133 MHz)

i	Ch _i
0	608.392533
1h	608.529067
2h	608.6656
3h	608.802133
4h	608.938667
5h	609.0752
6h	609.211733
7h	609.348267
8h	609.4848
9h	609.621333
ah	609.757867
bh	609.8944
ch	610.030933
dh	610.167467
eh	610.304
fh	610.440533
10h	610.577067
11h	610.7136
12h	610.850133
13h	610.986667
14h	611.1232
15h	611.259733
16h	611.396267
17h	611.5328
18h	611.669333
19h	611.805867
1ah	611.9424
1bh	612.078933
1ch	612.215467
1dh	612.352
1eh	612.488533
1fh	612.625067
20h	612.7616
21h	612.898133
22h	613.034667
23h	613.1712
24h	613.307733
25h	613.444267
26h	613.5808

1.4 Copies of Previous Grants

COPY FEDERAL COMMUNICATIONS COMMISSION WASHINGTON, D.C. 20554 COPY

GRANT OF EQUIPMENT AUTHORIZATION

Certification

Data Critical Corporation
 15222 Del Amo Avenue
 Tustin, CA 92780
 United States

Date of Grant: 09/05/2002
 Application Dated: 06/05/2001

Attention: Diana Thorson

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: BQI01DT-4500
 Name of Grantee: Data Critical Corporation
 Equipment Class: Licensed Non-Broadcast Transmitter Worn on Body
 Notes: Ambulatory Tranceiver, DT-4500

Grant Notes	FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
	95H	608.0 - 614.0	0.00354	50.0 PM	230KF7D

This application was originally granted on 08/27/2001.

Mail To:
 Joyce Walker, Report Department Manager
 CKC Laboratories, Inc.
 5473A Clouds Rest
 Mariposa, CA 95338
 US
 <TD

EA101238

COPY

FEDERAL COMMUNICATIONS
COMMISSION
WASHINGTON, D.C. 20554

COPY

GRANT OF EQUIPMENT
AUTHORIZATION

Certification

Data Critical Corporation
15222 Del Amo Avenue
Tustin, CA 92780
United States

Date of Grant:
09/05/2002

Application Dated:
07/23/2002

Attention: Diana Thorson

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER:	BQI01DT-4500
Name of Grantee:	Data Critical Corporation
Equipment Class:	Licensed Non-Broadcast Transmitter Worn on Body
Notes:	DT-4500

Grant Notes	FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
	95H	608.0 - 614.0	0.00354	50.0 PM	230KF7D

Mail To:
Diana Thorson, RA Manager
GE Medical Systems Information Technologies
15222 Del Amo Avenue
Tustin, CA 92780
US
<TD

EA316677

SECTION 2

TESTS AND MEASUREMENTS

TEST AND MEASUREMENTS

2.1 Configuration of Tested System

The sample was tested per ANSI C63.4, Methods of Measurement from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz (1992). Conducted and radiated emissions data were taken with the test receiver or spectrum analyzer's resolution bandwidth adjusted to 9 kHz and 120 kHz, respectively. All measurements are peak unless stated otherwise. The video filter associated with the spectrum analyzer was off throughout the evaluation process. Interconnecting cables were manipulated as necessary to maximize emissions. Interconnecting cables were manipulated as necessary to maximize emissions. A block diagram of the tested system is shown in Figure 1. Test configuration photographs for spurious and fundamental emissions are shown in Figure 2a through Figure 2c.

The sample used for testing was received by U.S. Technologies on November 24, 2003 in good condition.

2.2 Test Facility

Testing was performed at US Tech's measurement facility at 3505 Francis Circle, Alpharetta, GA. This site has been fully described and submitted to the FCC, and accepted in their letter marked 31040/SIT. Additionally this site has also been fully described and submitted to Industry Canada (IC), and has been approved under file number IC2982.

2.3 Test Equipment

Table 2 describes test equipment used to evaluate this product.

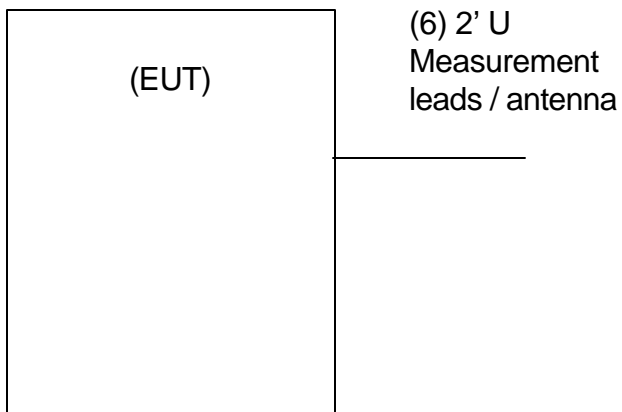
2.4 Modifications

No modifications were made by US Tech, to bring the EUT into compliance with FCC Part 95H limits for the transmitter portion of the EUT or the Class B Digital Device Requirements.

FIGURE 1

TEST CONFIGURATION

(RF, RECEIVER, & DIGITAL DEVICE TESTS)



S = Shielded
U = Unshielded

Test Date: November 25, & December 8, 9, & 11, 2003
UST Project: 03-0375
Customer: Data Critical Corporation
Model: DT-4500

FIGURE 2a

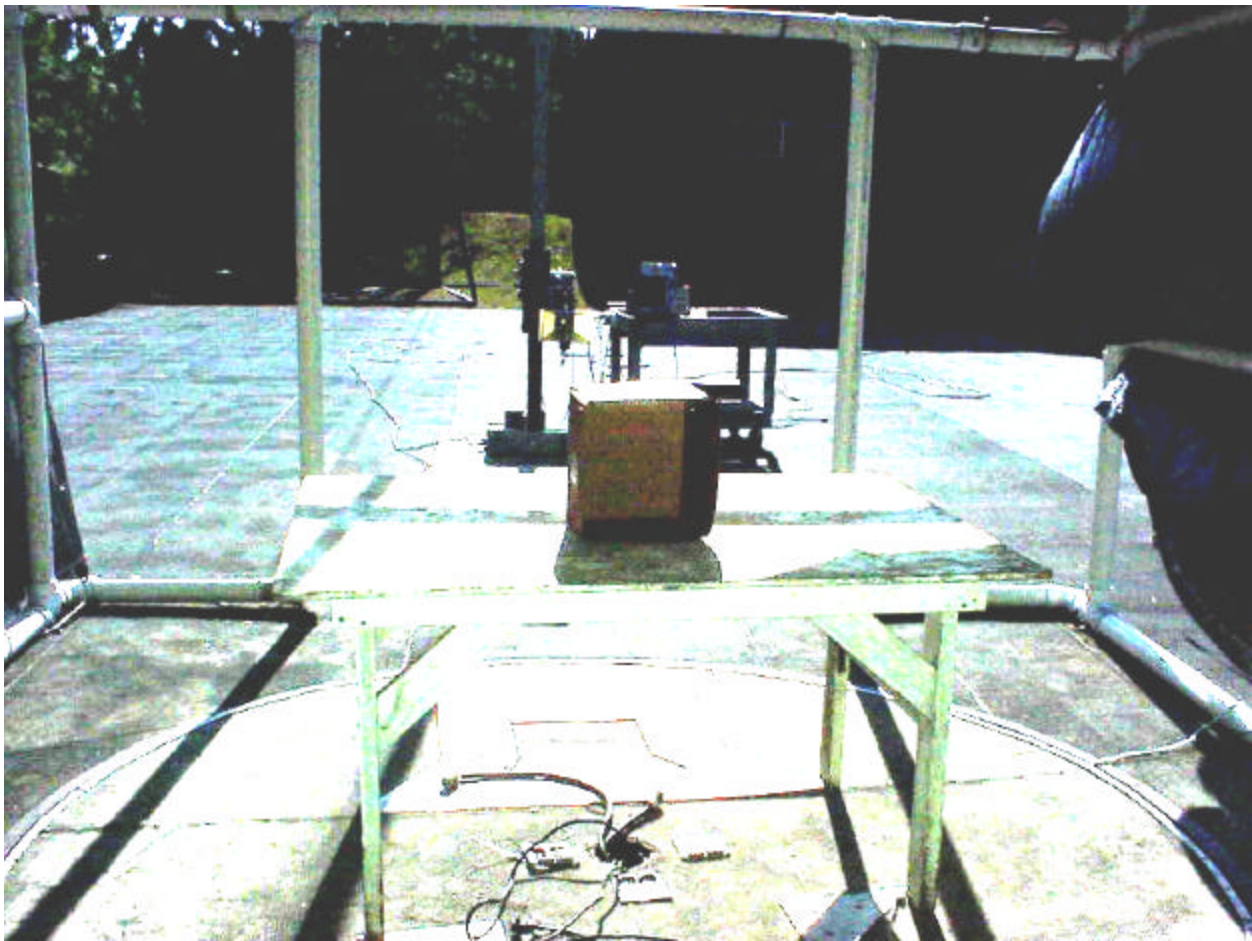
Photograph(s) for Digital Device Radiated Emissions (Front)



Test Date: November 25, & December 8, 9, & 11, 2003
UST Project: 03-0375
Customer: Data Critical Corporation
Model: DT-4500

FIGURE 2b

Photograph(s) for Digital Device Radiated Emissions (back)



Test Date: November 25, & December 8, 9, & 11, 2003
UST Project: 03-0375
Customer: Data Critical Corporation
Model: DT-4500

FIGURE 2c

Photograph(s) for Digital Device Conducted Emissions

**Since the EUT operates from battery ,
this test was deemed not necessary.**

TABLE 1**EUT and Peripherals****(RF TRANSMITTER & RECIEVER/DIGITAL TESTS)**

PERIPHERAL MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC ID:	CABLES P/D
Ambulatory Transceiver (EUT) Data Critical Corporation	DT-4500	H22M0248G	BQI01DT-4500	None

**TABLE 2
TEST INSTRUMENTS**

EQUIPMENT	MODEL NUMBER	MANUFACTURER	SERIAL NUMBER	DATE OF LAST CALIBRATION
SPECTRUM ANALYZER	8558B	HEWLETT-PACKARD	2332A10055	2/28/03
SPECTRUM ANALYZER	8593E	HEWLETT-PACKARD	3205A00124	1/16/03
SIGNAL GENERATOR	8648B	HEWLETT-PACKARD	3642U01679	10/13/03
RF PREAMP	8449B	HEWLETT-PACKARD	3008A00480	6/19/03
HORN ANTENNA	3115	EMCO	9107-3723	7/11/03
LOG PERIODIC ANTENNA	3146	EMCO	3236	12/17/02
CALCULATION PROGRAM	N/A	N/A	Ver. 6.0	N/A

Note: The calibration interval of the above test instruments is 12 months and all calibrations are traceable to NIST/USA.

2.6 Antenna Description (Paragraph 15.203)

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

The Model DT-4500 incorporates an external antenna only, with a unique coupling, a divided 8 pin with figure 8 configuration, as tested in the original grant

2.7 Field Strength of Fundamental within the Band 608-614 MHz per FCC Section 95.1115(a)

Peak power within the band 608-614 MHz has been measured with a spectrum analyzer. Peak measurements were made using a peak or quasi-peak detector. Average emissions are not considered applicable since the measurement was below 1000 MHz. The unit was positioned in the X axis to obtain worse case results.

The results of the measurements for peak fundamental emissions are given in Table 3 and Figure 3.

Table 3a
FIELD STRENGTH OF FUNDAMENTAL EMISSION

Test Date: November 25, 2003
 UST Project: 03-0375
 Customer: Data Critical Corporation
 Model: DT-4500

Peak Measurement
 Highest Emission measured from Radio

FREQ. (MHz)	TEST DATA (dBm) @ 3m	ANTENNA FACTOR + CABLE ATTENUATION	RESULTS (uV/m) @ 3m	QP FCC LIMITS (uV/m) @ 3m	Margin (dB)
608.35	-30.5	25.0	119,310.9	200,000	4.49

SAMPLE CALCULATIONS:

RESULTS uV/m @ 3m = Antilog $((-30.5 + 25.0 + 107)/20)$ = 119,310.9
 CONVERSION FROM dBm TO dBuV = 107 dB

Test Results
 Reviewed By: David P. Blethen Name: David Blethen

Table 3b
FIELD STRENGTH OF FUNDAMENTAL EMISSION

Test Date: November 24, 2003
 UST Project: 03-0375
 Customer: Data Critical Corporation
 Model: DT-4500

Peak Measurement
 Highest Emission measured from Radio

FREQ. (MHz)	TEST DATA (dBm) @ 3m*	ANTENNA FACTOR + CABLE ATTENUATION	RESULTS (uV/m) @ 3m	QP FCC LIMITS (uV/m) @ 3m	Margin (dB)
611.13	-29.7	25.1	131,644.8	200,000	3.63

SAMPLE CALCULATIONS:

RESULTS uV/m @ 3m = Antilog $((-29.7 + 25.1 + 107)/20) = 131,644.8$
 CONVERSION FROM dBm TO dBuV = 107 dB

Test Results
 Reviewed By: David P. Blethen Name: David Blethen

Table 3c
FIELD STRENGTH OF FUNDAMENTAL EMISSION

Test Date: November 24, 2003
 UST Project: 03-0375
 Customer: Data Critical Corporation
 Model: DT-4500

Peak Measurement
 Highest Emission measured from Radio

FREQ. (MHz)	TEST DATA (dBm) @ 3m*	ANTENNA FACTOR + CABLE ATTENUATION	RESULTS (uV/m) @ 3m	QP FCC LIMITS (uV/m) @ 3m	Margin (dB)
613.58	-30.14	25.1	125,563.7	200,000	4.04

SAMPLE CALCULATIONS:

RESULTS uV/m @ 3m = Antilog $((-30.14 + 25.1 + 107)/20)$ = 125,563.7
 CONVERSION FROM dBm TO dBuV = 107 dB

Test Results

Reviewed By: David P. Blethen Name: David Blethen

Figure 3a
Field Strength of Fundamental Emissions 95.1115(a) Low Channel

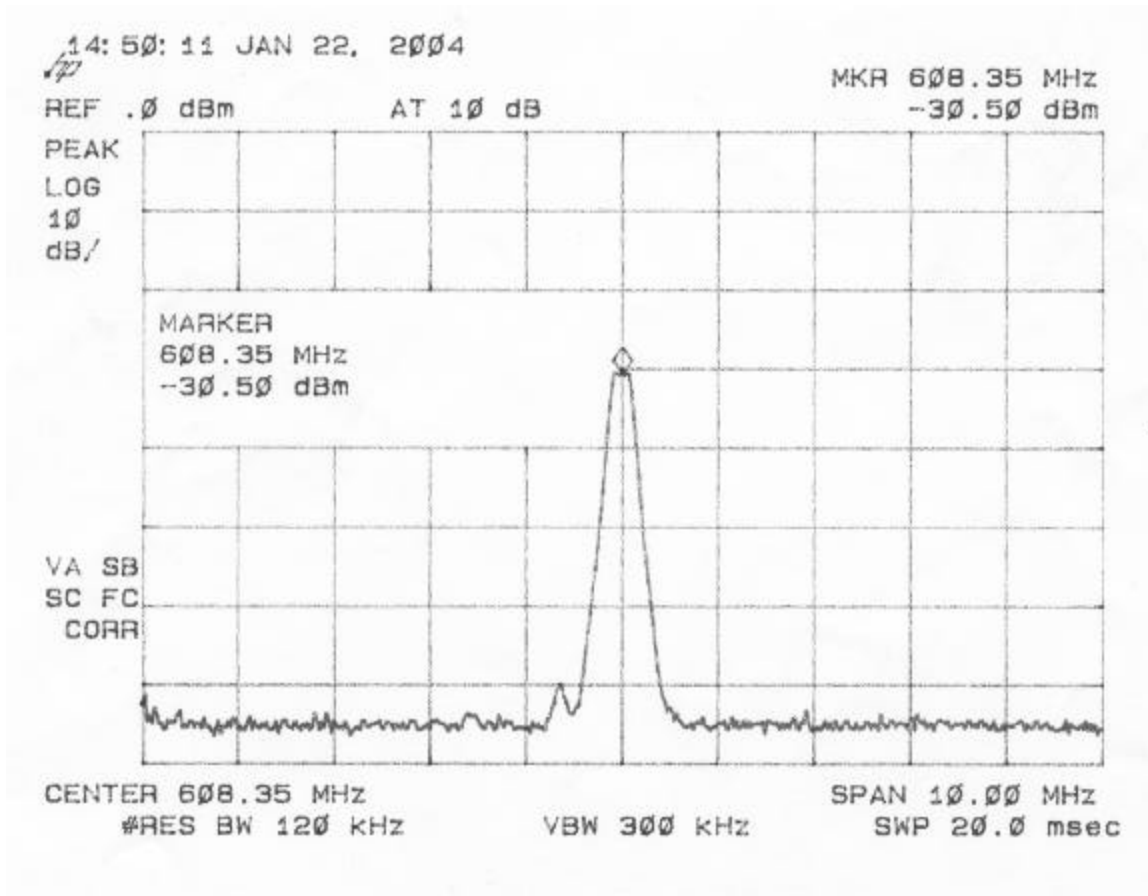


Figure 3b
Field Strength of Fundamental Emissions 95.1115(a) Middle Channel

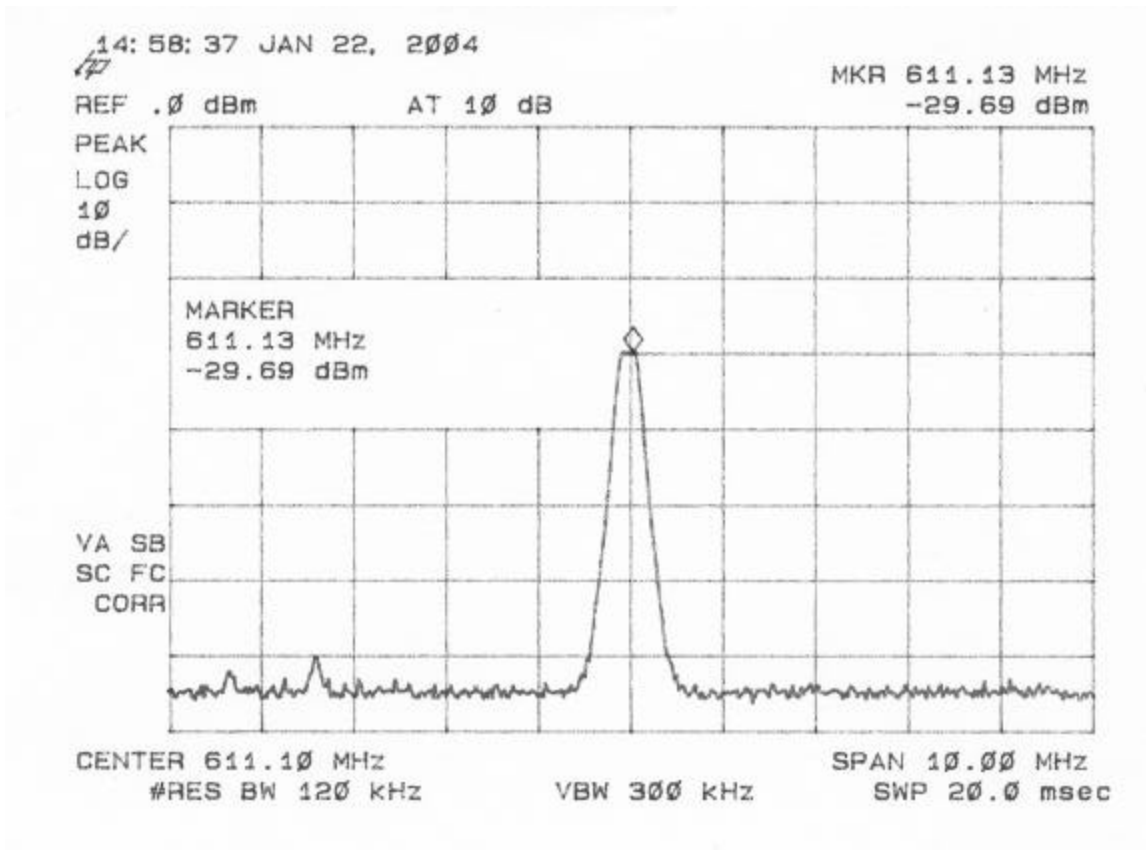
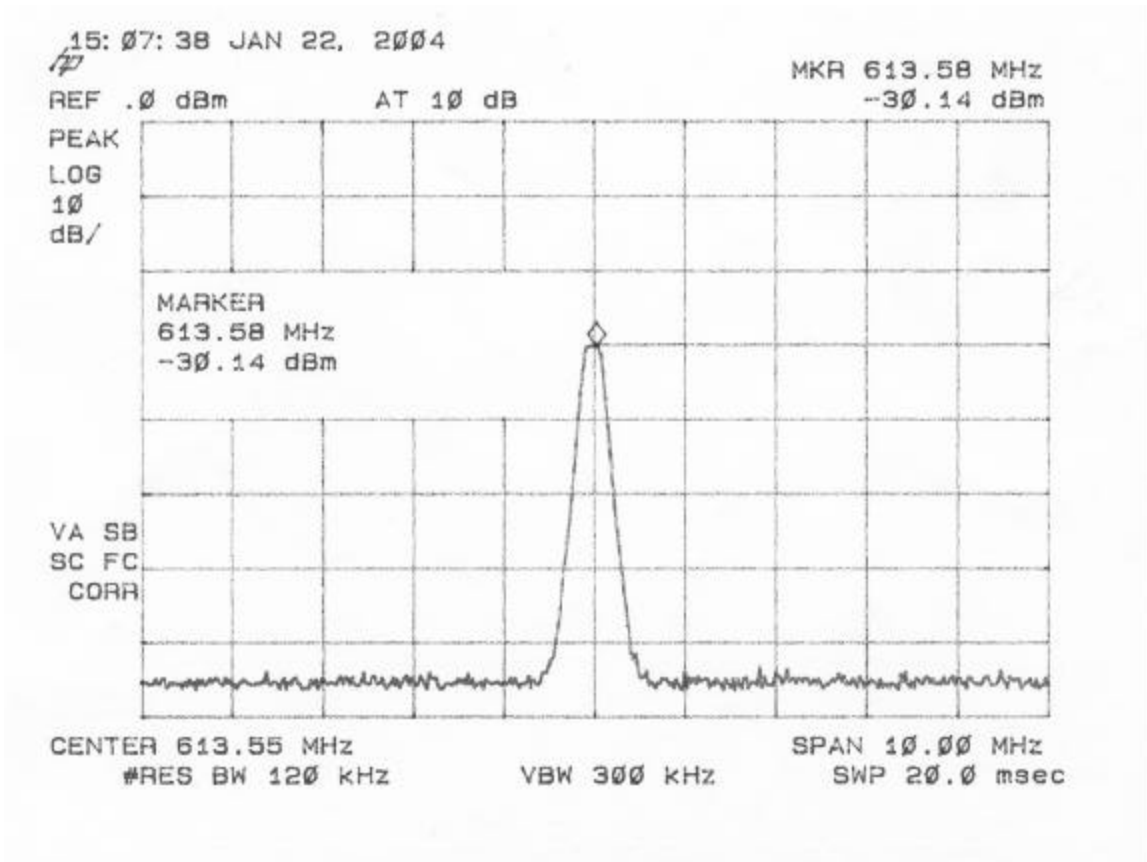


Figure 3c
Field Strength of Fundamental Emissions 95.1115(a) High Channel



2.8 Peak Radiated Spurious Emissions in the Frequency Range 30 - 10000 MHz (FCC Section 95.1115(b))

A preliminary scan was performed on the EUT to determine frequencies that were caused by the transmitter portion of the product. Radiated measurements below 1 GHz were tested with a RBW = 120 kHz. Radiated measurements above 1 GHz were measured using a RBW = VBW = 1 MHz. The results of peak radiated spurious emissions are given in Table 4.

TABLE 4a

FIELD STRENGTH OF SPURIOUS EMISSIONS
2nd Harmonic, Peak Emissions

Test Date: December 8, 9, &11, 2003
 UST Project: 03-0375
 Customer: Data Critical Corporation
 Model: DT-4500
Peak Measurements

FREQ. (GHz.)	TEST DATA (dBm) @ 3m	AMP GAIN (dB)	ANTENNA FACTOR (dB)	CABLE LOSS (dB)	RESULTS (uV/m) @ 3m	PEAK FCC LIMITS (uV/m) @ 3m	Margin (dB)
1.2166	-28.13	36.2	26.7	2.8	4035.5	**	**
1.22233	-27.61	36.2	26.7	2.8	4293.3	**	**
1.22673	-26.34	36.2	26.7	2.8	4977.2	**	**

** - Not Applicable - For all peak harmonics measurements, no peak limits are specified above 1 GHz for FCC Part 95H. Peak measurements have been provided for derivation of Average Spurious Emissions measurement.

SAMPLE CALCULATIONS:

RESULTS uV/m @ 3m = Antilog $((-28.13 - 36.2 + 26.7 + 2.8 + 107)/20)$ = 4035.5
 CONVERSION FROM dBm TO dBuV = 107 dB

Test Results


Signature:  Name: David Blethen

TABLE 4b

FIELD STRENGTH OF SPURIOUS EMISSIONS
3rd Harmonic, Peak Emissions

Test Date: December 8, 9, &11, 2003
 UST Project: 03-0375
 Customer: Data Critical Corporation
 Model: DT-4500
Peak Measurements

FREQ. (GHz.)	TEST DATA (dBm) @ 3m	AMP GAIN (dB)	ANTENNA FACTOR (dB)	CABLE LOSS (dB)	RESULTS (uV/m) @ 3m	PEAK FCC LIMITS (uV/m) @ 3m	Margin (dB)
1.826	-40.86	35.4	28.3	3.0	1260.7	**	**
1.83353	-38.6	35.4	28.3	3.0	1643.0	**	**
1.84065	-39.28	35.4	28.3	3.0	1525.9	**	**

** - Not Applicable - For all peak harmonics measurements, no peak limits are specified above 1 GHz for FCC Part 95H. Peak measurements have been provided for derivation of Average Spurious Emissions measurement.

SAMPLE CALCULATIONS:

RESULTS uV/m @ 3m = Antilog $((-40.86 - 35.4 + 28.3 + 3.0 + 107)/20) = 1260.7$
 CONVERSION FROM dBm TO dBuV = 107 dB

Test Results

Signature:  Name: David Blethen

TABLE 4c

FIELD STRENGTH OF SPURIOUS EMISSIONS
4th Harmonic, Peak Emissions

Test Date: December 8, 9, &11, 2003
 UST Project: 03-0375
 Customer: Data Critical Corporation
 Model: DT-4500
Peak Measurements

FREQ. (GHz.)	TEST DATA (dBm) @ 3m	AMP GAIN (dB)	ANTENNA FACTOR (dB)	CABLE LOSS (dB)	RESULTS (uV/m) @ 3m	PEAK FCC LIMITS (uV/m) @ 3m	Margin (dB)
2.43409	-48.27	35.2	29.0	3.5	634.3	**	**
2.44422	-47.82	35.2	29.0	3.5	669.0	**	**
2.45263	-54.93	35.2	29.0	3.6	295.4	**	**

**** - Not Applicable - For all peak harmonics measurements, no peak limits are specified above 1 GHz for FCC Part 95H. Peak measurements have been provided for derivation of Average Spurious Emissions measurement.**

SAMPLE CALCULATIONS:

RESULTS uV/m @ 3m = Antilog ((-48.27 - 35.2 + 29.0 + 3.5 + 107)/20) = 634.3
CONVERSION FROM dBm TO dBuV = 107 dB

Test Results

Signature: _____



Name: David Blethen

2.9 Average Spurious Emission in the Frequency Range 30 - 10000 MHz (FCC Section 95.1115(b))

The Average measurement was derived from applying any possible duty cycle correction to the peak reading. The results of average radiated spurious emissions are given in Table 5a -C.

Part 15.1115(b)(2) stipulates using an average detector. However the emissions of this device are considered pulsed in nature due to the frequency hopping nature of the TX. The FCC has historically not accepted average measurements on pulsed transmitters. Therefore the measurements device was corrected for duty cycle as normally acceptable to the FCC for testing of other types of transmitter with pulsed emissions.

Duty Cycle Correction During 100 msec:

The system is designed that the system hops at 35 msec per channel. The system will only be on one channel in any 100 msec period of time. During this 35 msec per channel, each transmitter is allotted only a small duration of this period (5 msec max).

Therefore the worse case duty cycle is:

$$\text{Duty Cycle Correction} = 20 \log (0.05) = -26.0 \text{ dB}$$

TABLE 5a
FIELD STRENGTH OF SPURIOUS EMISSIONS
2nd Harmonic, Average Emissions

Test Date: December 8, 9, &11, 2003
UST Project: 03-0375
Customer: Data Critical Corporation
Model: DT-4500

FREQ. (GHz.)	TEST DATA (dBm) @ 3m	AMP GAIN (dB)	ANTENNA FACTOR (dB)	CABLE LOSS (dB)	RESULTS (uV/m) @ 3m	PEAK FCC LIMITS (uV/m) @ 3m	Margin (dB)
1.2166	-54.13	36.2	26.7	2.8	202.3	500	7.86
1.22233	-53.61	36.2	26.7	2.8	215.2	500	7.32
1.22673	-52.34	36.2	26.7	2.8	249.4	500	6.04

SAMPLE CALCULATIONS:

RESULTS uV/m @ 3m = Antilog ((-54.13 – 36.2 + 26.7 + 2.8 + 107)/20) = 202.3
CONVERSION FROM dBm TO dBuV = 107 dB

Test Results
Signature:  **Name:** David Blethen

TABLE 5b
FIELD STRENGTH OF SPURIOUS EMISSIONS
3rd Harmonic, Average Emissions

Test Date: December 8, 9, &11, 2003
UST Project: 03-0375
Customer: Data Critical Corporation
Model: DT-4500

FREQ. (GHz.)	TEST DATA (dBm) @ 3m	AMP GAIN (dB)	ANTENNA FACTOR (dB)	CABLE LOSS (dB)	RESULTS (uV/m) @ 3m	PEAK FCC LIMITS (uV/m) @ 3m	Margin (dB)
1.826	-66.86	35.4	28.3	3.0	63.2	500	17.96
1.83353	-64.6	35.4	28.3	3.0	82.3	500	15.67
1.84065	-65.28	35.4	28.3	3.0	76.5	500	16.31

SAMPLE CALCULATIONS:

RESULTS uV/m @ 3m = Antilog $((-66.86 - 35.4 + 28.3 + 3.0 + 107)/20)$ = 63.2
CONVERSION FROM dBm TO dBuV = 107 dB

Test Results
Signature: _____



Name: David Blethen

TABLE 5c
FIELD STRENGTH OF SPURIOUS EMISSIONS
4th Harmonic, Average Emissions

Test Date: December 8, 9, &11, 2003
UST Project: 03-0375
Customer: Data Critical Corporation
Model: DT-4500

FREQ. (GHz.)	TEST DATA (dBm) @ 3m	AMP GAIN (dB)	ANTENNA FACTOR (dB)	CABLE LOSS (dB)	RESULTS (uV/m) @ 3m	PEAK FCC LIMITS (uV/m) @ 3m	Margin (dB)
2.43409	-74.27	35.2	29.0	3.5	31.8	500	23.93
2.44422	-73.82	35.2	29.0	3.5	33.5	500	23.48
2.45265	-80.93	35.2	29.0	3.6	14.8	500	30.57

SAMPLE CALCULATIONS:

RESULTS uV/m @ 3m = Antilog ((-74.27 - 35.2 + 29.0 + 3.5 + 107)/20) = 31.8
CONVERSION FROM dBm TO dBuV = 107 dB

Test Results
Signature: _____



Name: David Blethen

2.10 Power Line Conducted Emissions for Transmitter FCC Section 15.207

The conducted voltage measurements have been carried out in accordance with FCC Section 15.207, with a spectrum analyzer connected to a LISN and the EUT placed into a continuous mode of transmit. The results are given in Table 6.

**Table 6. Conducted Emissions Data
Class B**

Test Date: December 8, 9, &11, 2003
UST Project: 03-0375
Customer: Data Critical Corporation
Product: DT-4500

Frequency (MHz)	Test Data (dBm)		RESULTS (uV)		FCC Limits (uV)
	Phase	Neutral	Phase	Neutral	
Conducted Emissions were considered not applicable since the changes were only software related, no hardware changes were made and the EUT is battery operated.					

Test Results
Signature: _____



Name: David Blethen

2.11 Radiated Emissions (47 CFR 15.109a)

Radiated emissions were evaluated from 30 to 5000 MHz. Measurements were made with the analyzer's bandwidth set to 120 kHz measurements made less than 1 GHz and 1 MHz are shown in Table 7a. Measurements made over 1 GHz results are shown in Table 7b.

Table 7a. Radiated Emissions Data**Class B**

Test Date: December 8, 9, &11, 2003
UST Project: 03-0375
Customer: Data Critical Corporation
Product: DT-4500

Frequency (MHz)	Receiver Reading (dBm) @3m	Correction Factor (dB)	Corrected Reading (uV/m)	FCC Limit (uV/m) @3m
Radiated Emissions were considered not applicable since the changes were only software related, no hardware changes were made				

Test Results**Signature:** _____**Name:** David Blethen

Table 7b Radiated Emissions Data

Class B

Test Date: December 8, 9, &11, 2003
UST Project: 03-0375
Customer: Data Critical Corporation
Model: DT-4500

Measurements >1 GHz

FREQ. (GHz)	TEST DATA (dBm) @ 3m	AMP GAIN (dB)	ANT. FACTOR (dB)	CABLE LOSS (dB)	RESULTS (uV/m) @ 10m	FCC LIMITS (uV/m) @ 3m
Radiated Emissions were considered not applicable since the changes were only software related, no hardware changes were made						

Test Results Signature:  _____ **Name:** David Blethen

2.12 Power Line Conducted Emissions for Digital Device FCC Section 15.107

The conducted voltage measurements have been carried out in accordance with FCC Section 15.107, with a spectrum analyzer connected to a LISN and the EUT placed into a continuous mode of transmit. The results are given in Table 8.

**Table 8. Conducted Emissions Data – Digital Device
Class B**

Test Date: December 8, 9, &11, 2003
UST Project: 03-0375
Customer: Data Critical Corporation
Product: DT-4500

Frequency (MHz)	Test Data (dBm)		RESULTS (uV)		FCC Limits (uV)
	Phase	Neutral	Phase	Neutral	
Conducted Emissions were considered not applicable since the changes were software related, no hardware changes were made and the EUT is battery operated.					

Test Results
Signature: _____



Name: David Blethen

SECTION 4

BLOCK DIAGRAM & SCHEMATICS

BLOCK DIAGRAM & SCHEMATICS

Not Applicable. Changes were software related only, no changes were made to the hardware.

SECTION 4

PHOTOGRAPHS

PHOTOS OF THE TESTED EUT

Not Applicable. Changes were software related only, no changes were made to the hardware.