

Justification

The individuals and/or the organization requesting the test provided the modes, configurations and settings available to evaluate. All of the EUT parameters listed below were investigated. This includes, but may not be limited to, antennas, tuned transmit frequency ranges, operating modes, and data rates.

Operating Modes Investigated:

Typical hopping mode.

Data Rates Investigated:

Maximum

Output Power Setting(s) Investigated:

Maximum

Power Input Settings Investigated:

120 VAC, 60 Hz.

Software\Firmware Applied During Test

Exercise software	Standard Production Software	Version	Unknown
Description			
The system was tested using standard operating production software to exercise the functions of the device during the testing. All channels of the device were utilized during transmission.			

Equipment Modifications

No EMI suppression devices were added or modified. The EUT was tested as delivered.

EUT and Peripherals

Description	Manufacturer	Model/Part Number	Serial Number
Host System	SpaceLabs Medical	90310-1A	PAR327-1
Ethernet Board	SpaceLabs Medical	670-0829-00	N3112-95B-040
Power Supply	SpaceLabs Medical	90486	486-101522
EUT	Proxim	6330	A30549980020A6386465

Cables

Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Power	No	1.8	No	Power Supply	AC Mains
DC Power	Yes	.96	Yes	Power Supply	Host System

PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.

Measurement Equipment

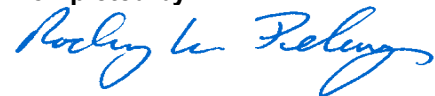
Description	Manufacturer	Model	Identifier	Last Cal	Interval
Spectrum Analyzer	Tektronix	2784	AAO	03/08/2001	12 mo

Test Description

Requirement: Per 47 CFR 15.247(a)(1)(ii), the number of hopping channels must be at least 75. The measurement is made with the spectrum analyzer's resolution bandwidth set to 100 kHz, and the video bandwidth set to greater than or equal to the resolution bandwidth.

Configuration: The number of hopping frequencies was measured across the authorized band. The measurements were made using a direct connection between the RF output of the EUT and the spectrum analyzer. The hopping function of the EUT was enabled.

Completed by:



NORTHWEST
EMC**EMISSIONS DATA SHEET**Rev BETA
01/30/01

EUT:	6330	Work Order:	SPAC0264
Serial Number:	A30549980020A6386465	Date:	07/12/01
Customer:	SpaceLabs	Temperature:	23 degrees C
Attendees:	N/A	Humidity:	38% RH
Customer Ref. No.:	N/A	Power:	N/A
		Job Site:	EV06

TEST SPECIFICATIONS			
Specification:	47 CFR 15.247(a)(1)(ii)	Year:	Most Current
Method:	DA 00-705, ANSI C63.4	Year:	1992

SAMPLE CALCULATIONS**COMMENTS****EUT OPERATING MODES**

Modulated by PRBS at maximum data rate. Hopping carrier.

DEVIATIONS FROM TEST STANDARD

None

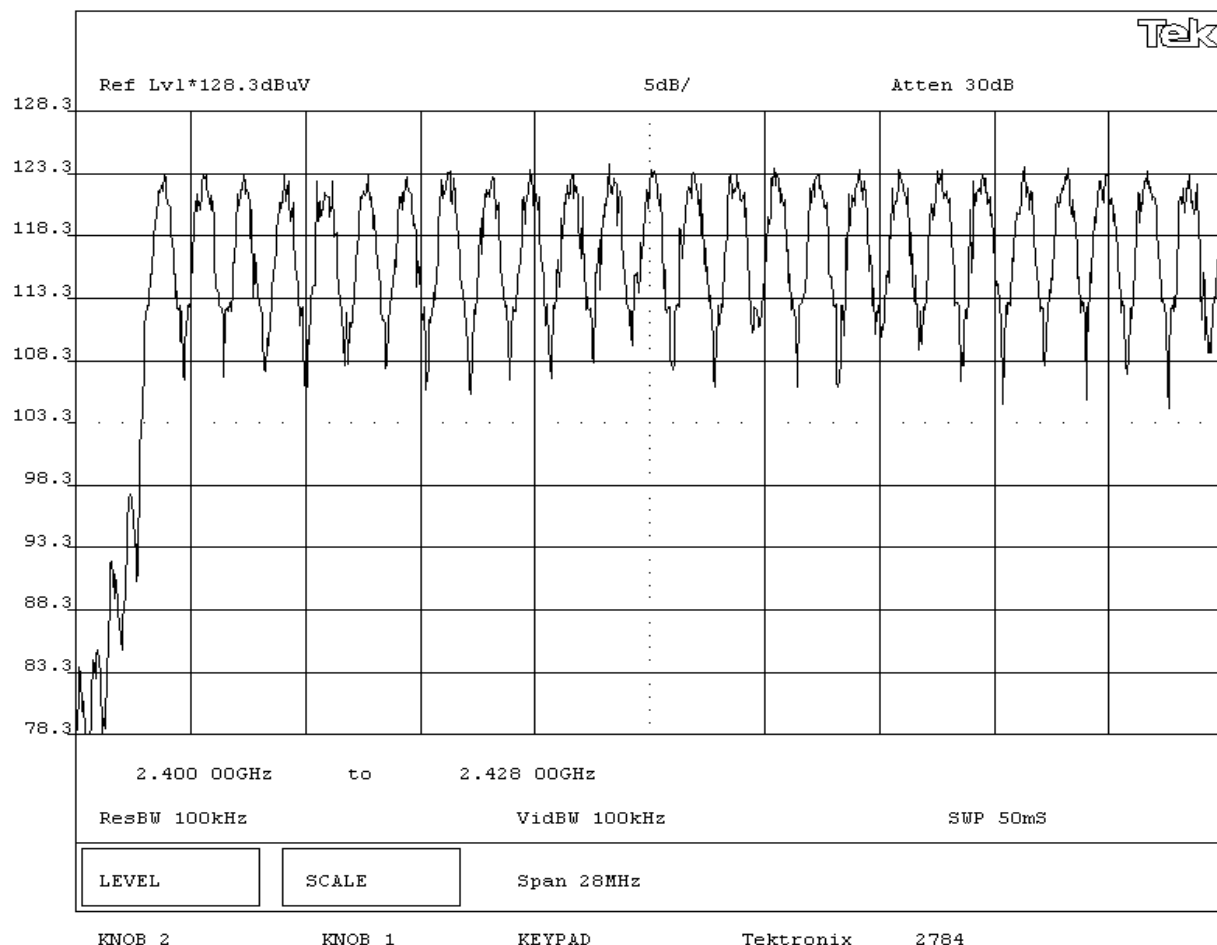
REQUIREMENTS


Frequency hopping systems operating in the 2400-2483.5 MHz band shall use at least 75 hopping frequencies.

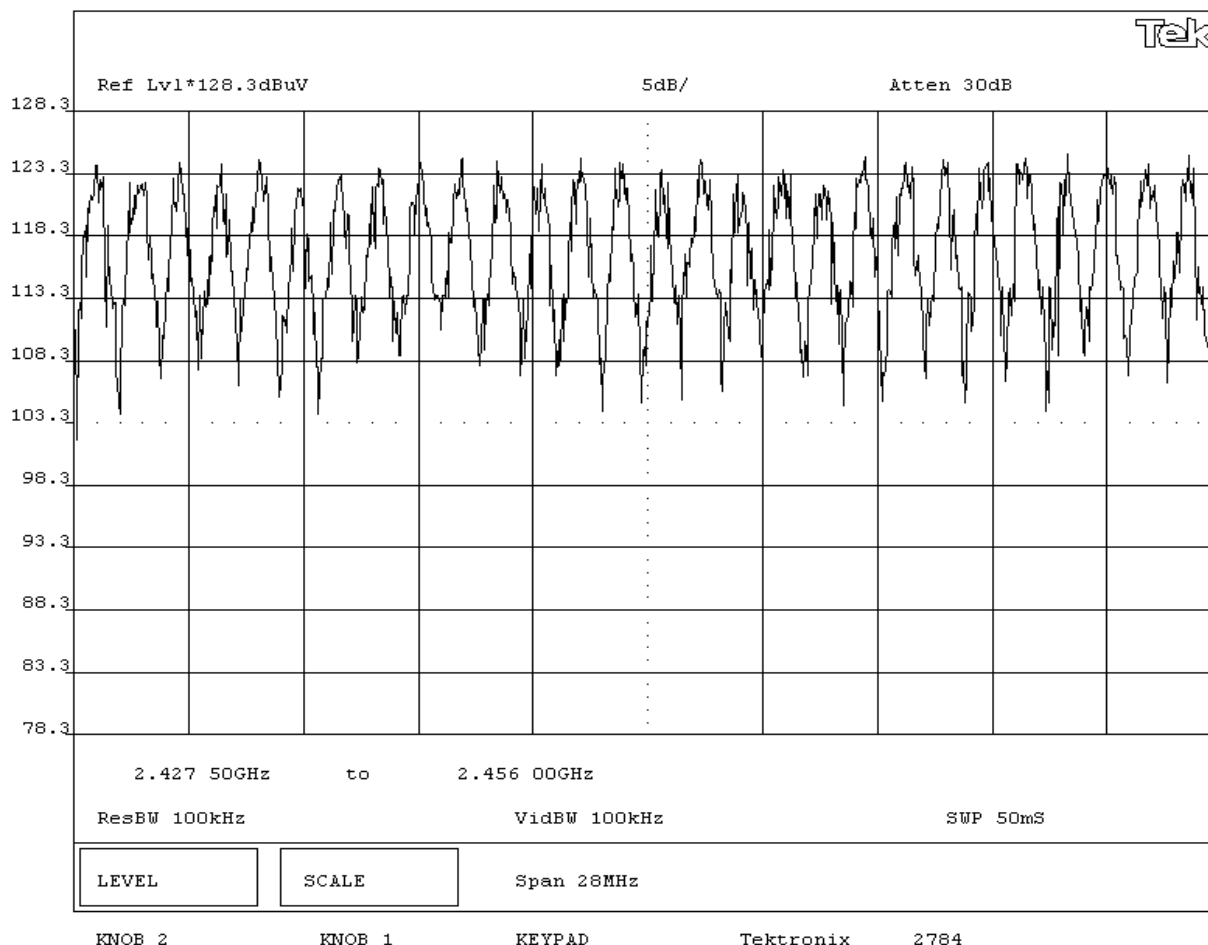
RESULTS	NUMBER OF HOPPING FREQUENCIES
Pass	79

SIGNATURE

Tested By: _____

**DESCRIPTION OF TEST****HOPPING CHANNELS**

NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT:	6330	Work Order:		SPAC0264	
Serial Number:	A30549980020A6386465	Date:		07/12/01	
Customer:	SpaceLabs	Temperature:		23 degrees C	
Attendees:	N/A	Tested by:	Rod Peloquin	Humidity:	38% RH
Customer Ref. No.:	N/A	Power:	N/A	Job Site:	EV06
TEST SPECIFICATIONS					
Specification:	47 CFR 15.247(a)(1)(ii)	Year:	Most Current	Method:	DA 00-705, ANSI C63.4
				Year:	1992
SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
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DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
Frequency hopping systems operating in the 2400-2483.5 MHz band shall use at least 75 hopping frequencies.					
RESULTS		NUMBER OF HOPPING FREQUENCIES			
Pass		79			
SIGNATURE					
 Tested By: _____					
DESCRIPTION OF TEST					
HOPPING CHANNELS					



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
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TEST SPECIFICATIONS			
Specification:	47 CFR 15.247(a)(1)(ii)	Year:	Most Current
Method:	DA 00-705, ANSI C63.4	Year:	1992

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

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DEVIATIONS FROM TEST STANDARD

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REQUIREMENTS

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RESULTS

NUMBER OF HOPPING FREQUENCIES

Pass 79

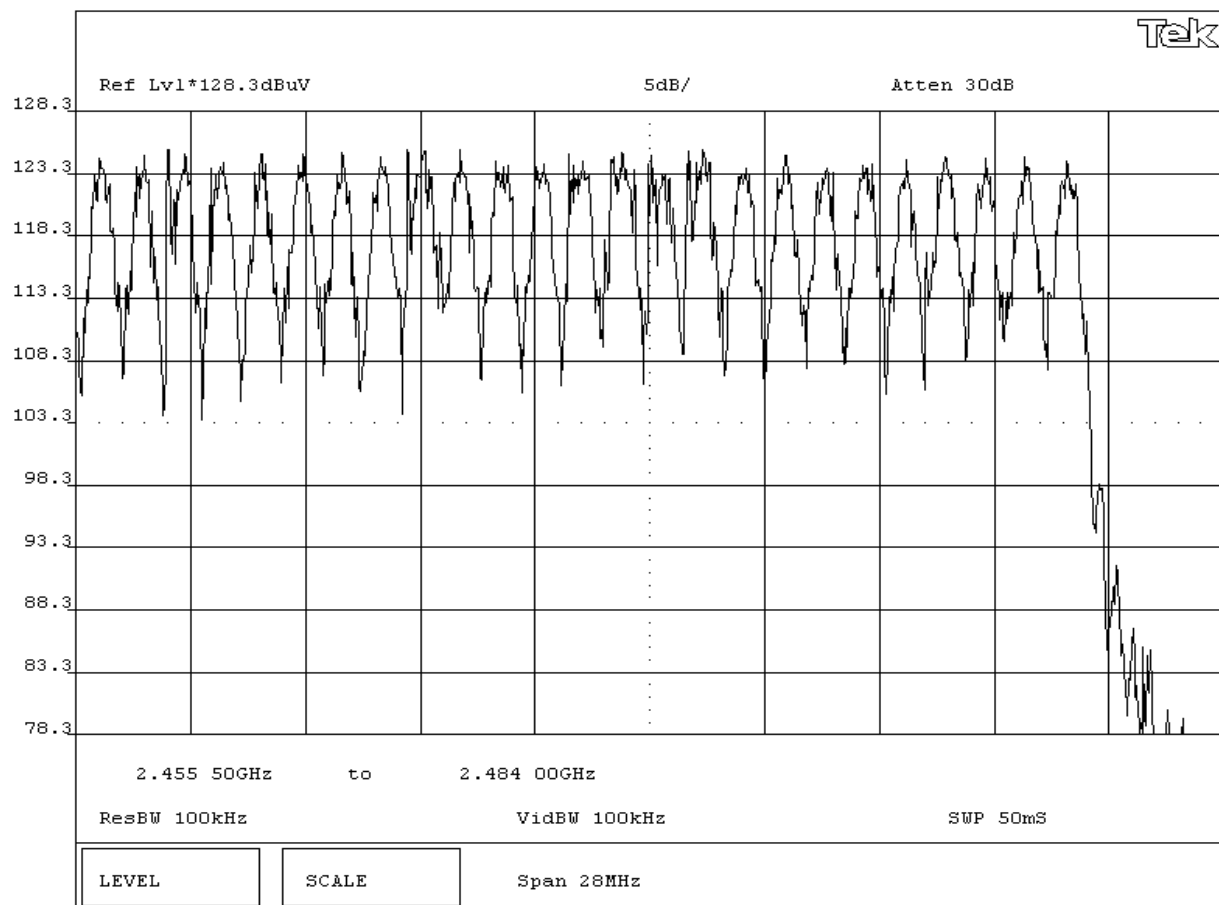
SIGNATURE

Tested By: _____

Rod Peloquin

DESCRIPTION OF TEST

HOPPING CHANNELS



Knob 2

Knob 1

Keypad

Tektronix

2784