

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.

Channels in Specified Band Investigated:

Low
Mid
High

Operating Modes Investigated:

No Hop

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	Special Test Software	Version	Unknown
Description			
The system was tested using special software developed to test all functions of the device during the test. The special test software allowed the unit to be placed in a no hop mode at each of the low, mid, and high channels of the device			

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
EUT	Proxim	6330	A30549980020A6386465
Ethernet Board	SpaceLabs Medical	670-0829-00	N3112-95B-040
Power Supply	SpaceLabs Medical	90486	486-101522

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

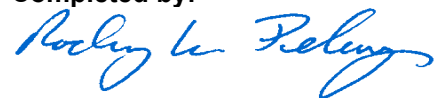
Description	Manufacturer	Model	Identifier	Last Cal	Interval
Spectrum Analyzer	Tektronix	2784	AAO	03/08/2001	12 mo


Test Description

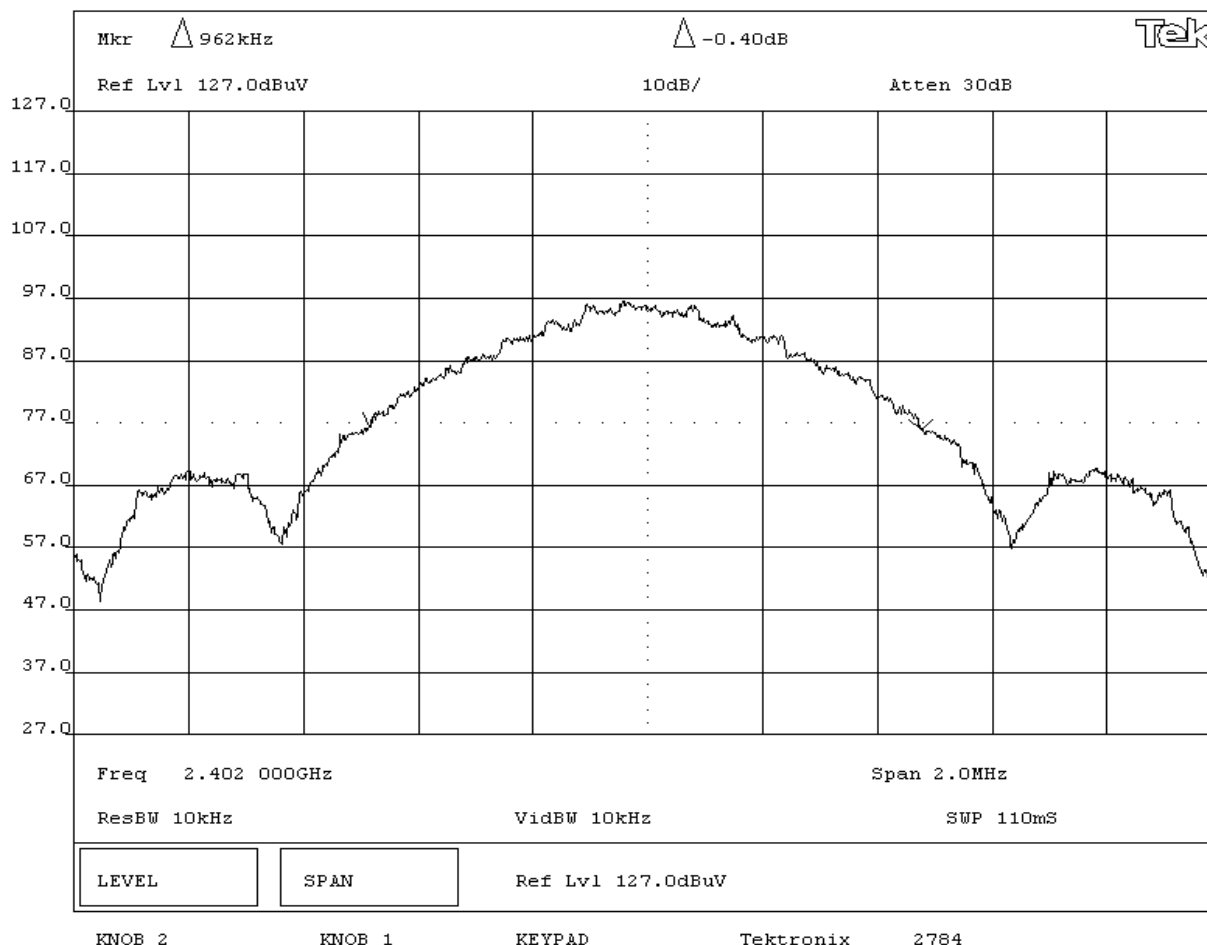
Requirement: Per 47 CFR 15.247(a)(1)(ii), the 20 dB bandwidth of a hopping channel must be no more than 1 MHz. The measurement is made with the spectrum analyzer's resolution bandwidth set to $\geq 1\%$ of the 20dB bandwidth, and the video bandwidth set to greater than or equal to the resolution bandwidth.

Configuration: The occupied bandwidth was measured with the EUT set to low, medium, and high transmit frequencies. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at its maximum data rate in a no hop mode.

Completed by:



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT:	6330	Serial Number:		A30549980020A6386465	Work Order:
Customer:	SpaceLabs Medical	Tested by:		Rod Peloquin	Date:
Attendees:	N/A	Power:		N/A	Temperature:
Customer Ref. No.:	N/A	Method:		DA 00-705, ANSI C63.4	Humidity:
TEST SPECIFICATIONS		Year:		Most Current	Job Site:
Specification:	47 CFR 15.247(a)(1)(ii)	Year:		1992	
SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
No hop mode. Modulated by PRBS at maximum data rate					
DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
The maximum 20dB bandwidth of the hopping channel is 1 MHz					
RESULTS		BANDWIDTH			
Pass		.962 MHz			
SIGNATURE					
<div style="text-align: center;">  Tested By: _____ </div>					
DESCRIPTION OF TEST					
Occupied Bandwidth - Low Channel					



EMISSIONS DATA SHEET

EUT:	6330	Work Order:	SPAC0264
Serial Number:	A30549980020A6386465	Date:	07/12/01
Customer:	SpaceLabs Medical	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

No hop mode. Modulated by PRBS at maximum data rate

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

The maximum 20dB bandwidth of the hopping channel is 1 MHz

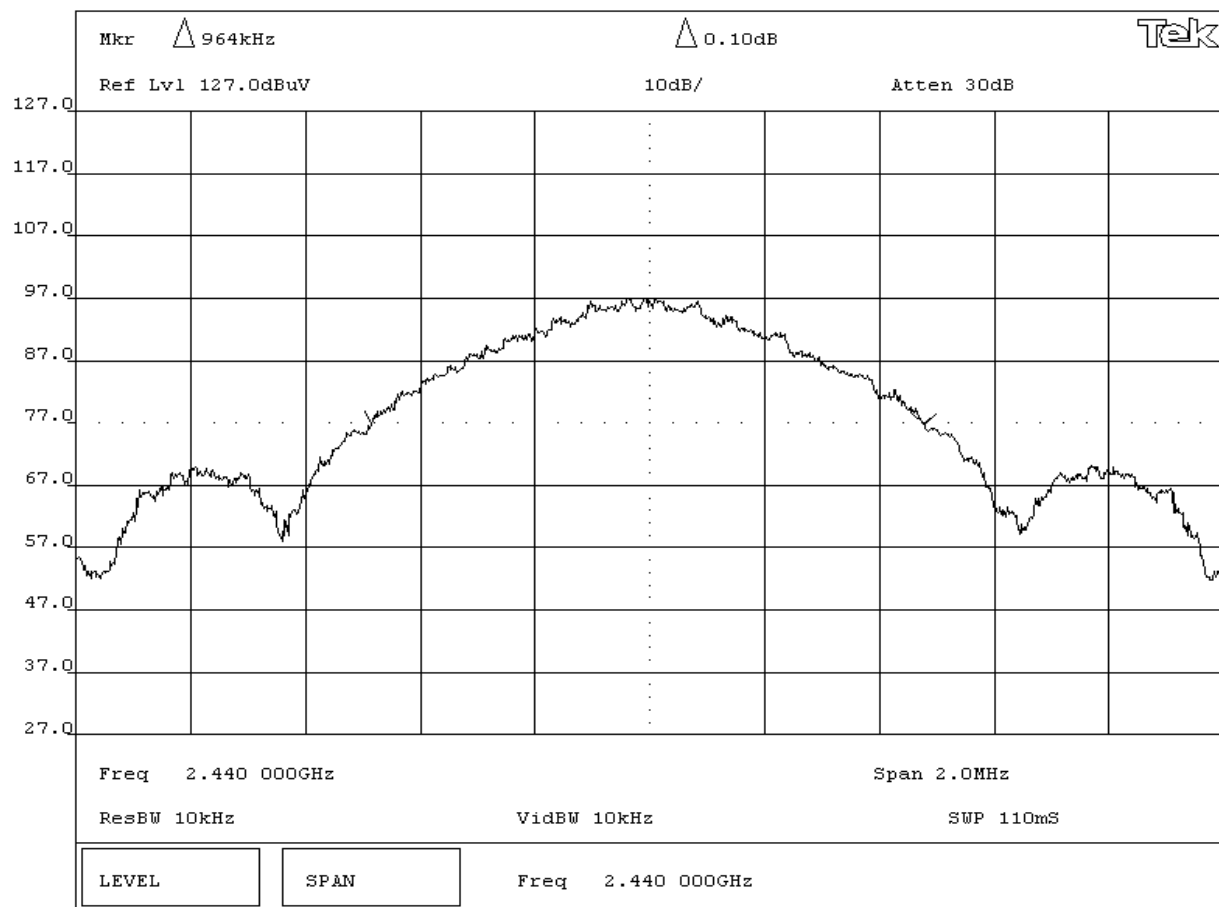
RESULTS	BANDWIDTH
Pass	.964 MHz

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Occupied Bandwidth - Mid Channel



KNOB 2

KNOB 1

KEYPAD

Tektronix

2784

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

EUT:	6330	Work Order:	SPAC0264
Serial Number:	A30549980020A6386465	Date:	07/12/01
Customer:	SpaceLabs Medical	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**

No hop mode. Modulated by PRBS at maximum data rate

DEVIATIONS FROM TEST STANDARD

None

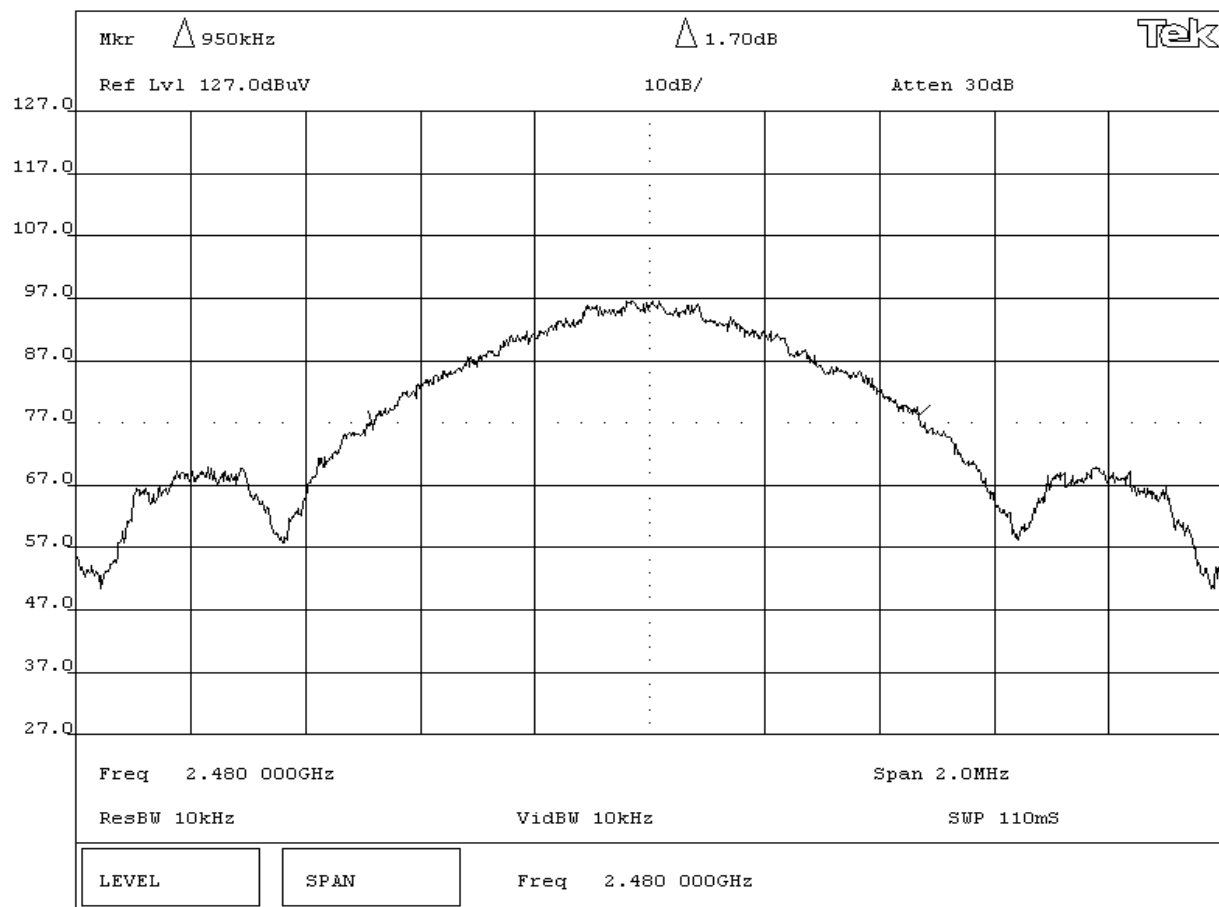
REQUIREMENTS

The maximum 20dB bandwidth of the hopping channel is 1 MHz

RESULTS	BANDWIDTH
Pass	.950 MHz

SIGNATURE

Tested By: _____

**DESCRIPTION OF TEST****Occupied Bandwidth - High Channel**

KNOB 2

KNOB 1

KEYPAD

Tektronix

2784