

Occupied Bandwidth

FCC ID: CM676A91343-600

Justification

The individuals and/or the organization requesting the test provided the modes, configurations and settings available to evaluate. While scanning the radiated emissions, 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:

Mid

Operating Modes Investigated:

Typical

Data Rates Investigated:

Maximum

Output Power Setting(s) Investigated:

Maximum

Power Input Settings Investigated:

Battery

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.			

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
EUT	SpaceLabs Medical	91343-05	001

Measurement Equipment

Description	Manufacturer	Model	Identifier	Last Cal	Interval
Spectrum Analyzer	Tektronix	2784	AAO	03/08/2001	24 mo
Near field probe	EMCO	7405	IPD	No cal required	N/A

Test Description

Requirement: Per 47 CFR 2.1049, the 20 dB occupied bandwidth was measured.

Configuration: The antenna is integral to the EUT, so a radiated measurement was made using a spectrum analyzer and a near field probe. A 300Hz resolution bandwidth with no video filtering and a peak detector were used. The RBW was sufficiently narrow to plot the actual bandwidth of the signal and not the filter response curve of the spectrum analyzer.

Completed by:



NORTHWEST EMC				EMISSIONS DATA SHEET				Rev BETA 01/30/01	
EUT: 91343-05				Work Order: SPAC0307					
Serial Number: 001				Date: 09/05/02					
Customer: SpaceLabs Inc.				Temperature: 75 degrees F					
Attendees: N/A				Tested by: Greg Kiemel				Humidity: 38% RH	
Customer Ref. No.: N/A				Power: N/A				Job Site: EV09	
TEST SPECIFICATIONS									
Specification: 47 CFR 2.1049			Year: Most Current		Method: TIA/EIA - 603			Year: 1993	
SAMPLE CALCULATIONS									
COMMENTS									
EUT OPERATING MODES									
Transmitting mid band									
DEVIATIONS FROM TEST STANDARD									
None									
REQUIREMENTS									
The 20 dB bandwidth shall be measured									
RESULTS									
				20 dB Bandwidth					
Pass				18.54 kHz					
SIGNATURE									
Tested By: _____									
DESCRIPTION OF TEST									
Occupied Bandwidth									

