Test Site Services. Inc

EMI Test Report

For Agilent Technologies

Viridia Medical Telemetry Transmitter

Model M2601A

Radiated Emissions

FCC Part 95 Subpart H

Test # B90433A

Test Site Services, Inc.
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Nemko ELA No. 174 EMC001677-NE EMC000142-NE Reg. No. R-1145 Reg. No. C-1205 BSMI Lab No. SL2-IN-E-1018 Cert. No. 00-016 Reg. No. 91007

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EMI Test Report
for
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Test Number : B90433A

Product Name Viridia Medical Telemetry Transmitter

Regulation FCC Part 95 Subpart H

Date 11/18/99

Report Reviewed & Accepted by:

Agilent Technologies
3000 Minuteman Rd.
Andover, MA 01810

Report Issued By:

Richard L. Wiedeman, Laboratory Director

Tested By:

Tom Charron, Test Engineer

Tested By:

Bob Quinn, Test Engineer

This test report is not valid without the signatures of Test Site Services, Inc. personnel.

Administrative Data

Regulation	FCC Part 95 Subpart H, Section 95 115	
	Sections 95 115(a), 95 5(b)	
Test Method	ANSI C63.4-1992	
Test Type	Certification	
Manufacturer	Agilent Technologies	
EUT Type/Model #	Viridia Medical Telemetry Transmitter / M2601A	
Date(s) of Test	1/18/99	
Customer Personnel	Gordon Cook	Engineer
	John Bilodeau	Engineer
TSS Personnel	R. Wiedeman	EMC Engineer
	Bob Quinn	Test Engineer
	Tom Charron	Test Engineer
Test Location	Open Area Test Site Test Site Services, Inc 30 Birch St. Milford, MA 01757 U.S.A	

NOTICE	: FCC Rule 2.955 requires that a Verification Report for a Class A Computing Device must be signed by "an Official of the Company responsible for the device". A signature block has been provided on the first page for this purpose.

EUT Description

The EUT is a (Viridia Medical Telemetry Transmitter Model 2601A) that monitors ECG and SPO_2 patient levels and transmits data to a central receiver system. It operates on specific frequencies from 590 to 632 MHz. Three units were tested at the low, middle and high end of the band (590.0, 611.0, 632.0 MHz.). These units (one at each frequency) were tested simultaneously in close proximity to each other for a worst case test configuration. The units were tested with optional AC adapters.

A complete description of the EUT may be found on block identifier page one.

The tests were run in a typical configuration including the following support equipment;

1) EUT 1 @ 590.0 MHz.
2) EUT 2 @ 611.0 MHz.
3) EUT 3 @ 632.0 MHz.
4) (3) SPO_2 Sensors
5) (3) ECG Leads
6) (3) AC Adapters

REASON FOR TEST

Certification per FCC Part 95.1115 +(608-614 MHz Band)

CHANGES MADE DURING TEST

None

DEVIATIONS FROM STANDARD TEST METHOD

Only the 611.0 MHz results are presented in this report. This is approximately at the mid-range of the allowed band. The data presented in this report is a subset of data from TSS Report B90433, which is compared to the specific limits of FCC, Subpart H, Section 95.1115.

Test Summary

The EUT (Viridia Medical Telemetry Transmitter Model 2601A) complied with the FCC Part 95 Subpart H Limits for an intentional radiator when tested in the system configuration defined herein.

The following table indicates the margins (i.e. difference between measurement point and limit) of the worst case data points:

TEST CLASS	MARGIN TO SPEC (dB)	FREQUENCY (MHz)
(Fundamental Frequency)	-8.7	611.0
Per 95.1115(a)		
Undesired Emissions	-1.3	2528.0
Above 960 MHz	-2.2	1264.0
Per 95.1115(b)	-2.4	1222.0
	-2.7	2444.0
	-3.9	2360.0
	-4.1	1896.0
Undesired Emissions	-0.4	569.00
Below 960 MHz	-3.9	674.00
Per 95.1115(b)	-6.3	548.00
	-7.9	653.00
	-10.6	419.98
	-11.1	223.99