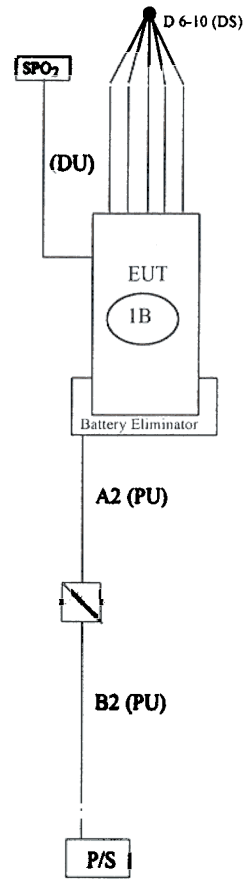


# Block Diagram for Viridia Medical Telemetry Transmitter

- PS = Power Cord Shielded
- DS = Data Cable Shielded
- CX = Coaxial Cable
- PU = Power Cord Unshielded
- DS = Data Cable Shielded
- FL = Fiber Link
- = Ferrite Bead
- ☒ = Connector



Control Room  
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Ground Plane

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**EUT Technical Data – Block Identifier 1A**

**Description** Viridia, Medical Telemetry Transmitter

**Manuf/Model** Agilent Technologies **Model No** :M2601A

**Serial #** 3836A29089

**FCC/FTZ Ident.** Application Pending

**Power (Rated)** : 120 VAC 60 Hz. to 10 VDC **Current** 300 mA

**Power (Tested)** 120 VAC 60 Hz. to 10 VDC **Current** : 300 mA

***Internal Options:***

020

***External Options:***

Class 2 Transformer (Ault Inc.) M/N PA41100300A01RK  
SPO2 Sensor (Hewlett Packard) M/N M1191A  
ECG Leads

***Frequencies Generated:***

611.00 MHz. 12.8 MHz. 8.00 MHz.

***Comments***

## Cable Descriptions

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Qty = **Function** DC Power  
**Type** Unshielded  
**Length** 1 foot  
**# of Conductors** 0.25 Meter  
**Connector Shell** Unshielded  
**Part Number**  
**Miscellaneous**

Qty = 1 **Function** DC Power  
**Type** Unshielded  
**Length** 3 Meters  
**# of Conductors** 2  
**Connector Shell** Unshielded  
**Part Number**  
**Miscellaneous**

Qty = 1 **Function** SPO2 Sensor Cable  
**Type** Unshielded  
**Length** Meter  
**# of Conductors** 7  
**Connector Shell** Unshielded  
**Part Number**  
**Miscellaneous**

(D6-D10) **Function** ECG Leads  
 Qty = 5 **Type** Shielded  
**Length** 1 Meter  
**# of Conductors** 2  
**Connector Shell** Unshielded  
**Part Number**  
**Miscellaneous** Transmit Antenna

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## Test Software Description

**TITLE**

**PART #/REV**      **M2601-10015, Rev. A.03.01**

**FUNCTION**

**REPEAT TIME**      **Continuous**

**RUN INSTRUCTIONS**      **Power on unit, starts automatically**

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## OPERATIONAL MODE(s) DURING TEST

**OPERATIONAL MODES AVAILABLE:**

**Monitor patient ECG and SPO<sub>2</sub> and transmit to central receiver system**

**MODE TESTED:** Same as above

**FUNCTION**      : Same as above

**RATIONALE**      **Unit only operates in a single mode.**

## EUT I/O Ports Cable Configuration

All testing was performed with the following cables/terminators connected to the EUT I/O ports:

EUT I/O Ports (All available by type)	Cable Attached (Yes/No)
ECG	Y
SPO <sub>2</sub>	Y
D.C. Input Power	Y

**NOTE: FCC Tests : ONE of each TYPE of PORT must be cabled.**

## Test Equipment List

#	Equipment Type	Manufacturer	Model #	Serial #	Cal Date	Cal Due	Used
1	Spectrum Analyzer	Hewlett-Packard	8568B	2207A01917	8/9/99	8/9/00	X
2	Quasi-Peak Adapter	Hewlett-Packard	85650A	2043A00249	8/9/99	8/9/00	X
3	RF Pre-Selector	Hewlett-Packard	85685A	2648A00500	8/9/99	8/9/00	X
4	Spectrum Analyzer	Hewlett-Packard	8566B	2532A02250	5/8/99	5/8/00	
5	Quasi-Peak Adapter	Hewlett-Packard	85650A	2521A00665	5/8/99	5/8/00	
6	RF Pre-Selector	Hewlett-Packard	85685A	2510A00186	5/8/99	5/8/00	
7	Spectrum Analyzer	Hewlett-Packard	8595E	3337A00415	5/27/99	5/27/00	X
8	Comb Generator	Com Power	CG-520	20129	5/18/99	5/18/00	
9	RF Probe	Fischer	F-33-1	367	1/14/99	1/14/00	
10	RF Pre-Amplifier	Hewlett-Packard	8447D	1937A02850	5/24/99	5/24/00	
11	Pre-Amplifier	Hewlett-Packard	8449B	3008A00952	5/27/99	5/27/00	
12	Biconical Antenna	Schwarzbeck	BBA9106	0101	5/11/99	5/11/00	X
13	Biconical Antenna	Schwarzbeck	BBA9106	0102	5/11/99	5/11/00	
14	Log Periodic Antenna	Schwarzbeck	UHALP9107	9107718	6/1/99	6/1/00	X
15	Log Periodic Antenna	Schwarzbeck	UHALP9107	0103	6/1/99	6/1/00	
16	Mag Loop Antenna	EMCO	6502	9307-2841	6/1/99	6/1/00	
17	Horn Antenna	EMCO	3115	9308-4132	10/17/99	10/17/00	X
18	Active Monopole Ant.	EMCO	3301B	9510-3625	5/29/99	5/29/00	X
19	Tuned Dipole Antenna	Comp Design	A100	445	1/18/99	1/18/00	X
20	Tuned Dipole Antenna	Comp Design	A100	494	8/25/99	8/25/00	
21	LISN 3x24 A	Solar	8012-50-24	0103	9/15/98	9/15/99	
22	LISN 4 x 25 A	Schwarzbeck	NNLA8120	8120458A	8/21/99	8/21/99	
23	LISN 4 x 100 A	Schwarzbeck	NNLA8121	8121237	1/21/99	1/21/00	X
24	LISN 3 x 25 A	EMCO	3825/2	8904-1483	7/9/99	7/9/00	
25	Antenna Mast	EMCO			Daily	Daily	X
26	Mast Controller	EMCO	1050	1267	Daily	Daily	X
27	Turntable	Macton			Daily	Daily	X
27	Turntable Controller	EMCO	101762	8908-1290	Daily	Daily	X