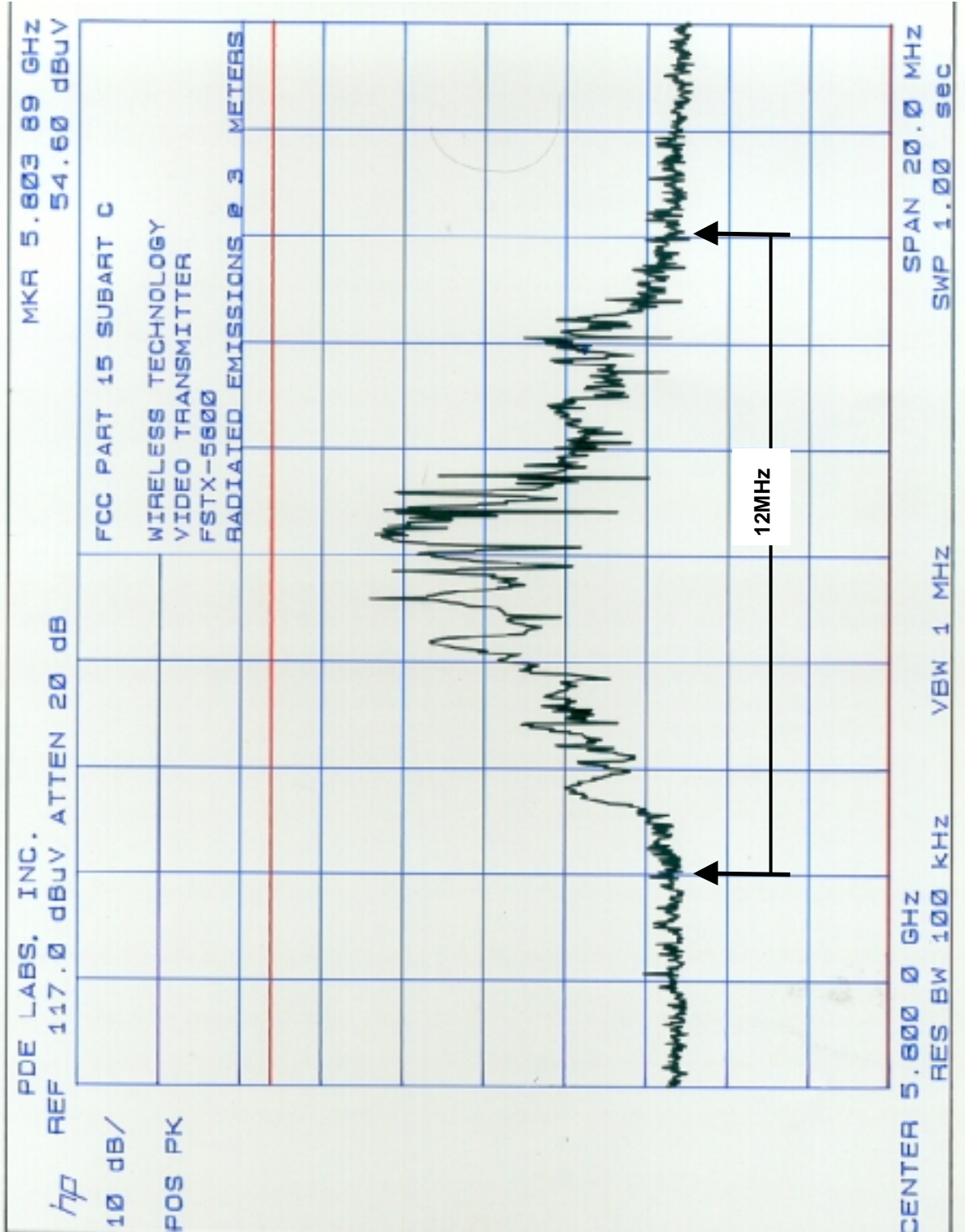


2.3 TEST RESULTS - RADIATED EMISSIONS

Measurements taken at 3 Meters.



SPECIFICATIONS

The 5.8 GHz Fixed Site System includes: (1) Video Transmitter, Integral Transmitter Antenna. (1) Video Receiver, (1) Receiver Antenna, (2) AC/DC Power Adapters, (1) Installation/Operations Manual, (2) Pole Mount Brackets and Mounting Hardware.

WIRELESS TECHNOLOGY
VIDEO TRANSMITTER FSTX-5800

Power Input Voltage	9-12 VCD or 115 VAC or 115 VAC with thermostatically controlled heater (115 VAC) 60 Hz @ 1.5 amp
Power Draw	1 amp
Transmitter Frequency	5725-5875 MHz
Frequency Accuracy	50 ppm - 40° to 75° C
Effective Radiated Power	50,000 Micro-Volts/Meter
Transmitter Attack Time	Less than 10 m sec
Spurious & Harmonics	Less than -60 dBc
Modulation	FM Video
Pre-Emphasis Complies to:	ITR and CCIR, 405-1
Antenna	Linear-polarized microstrip, beamwidth 120°
Range	Up to 3 miles (w/ Long Range Receiver)
Video Compatibility	Broadcast Standard Color & B&W, EIA-250-C

INPUTS

Video: BNC connector that accepts a standard NTSC/PAL composite video signal (1.0 V P-P), 75 Ohms input impedance.

POWER

Terminal strip connector with wire clamps for each terminal.

DIMENSIONS:

Weight: 8 pounds
Size: 9.3" wide X 11.3" high X 5.3" deep
Weatherproof NEMA 4X non-metallic enclosure provided with a mast mount bracket (2" diameter mast, minimum size)

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CONFORMS TO EIA-TIA-250-C

End-To-End Performance

Video Frequency Response: 10 Hz to 6 MHz +/- 1.5 dB.
Total Harmonic Distortion: 10 Hz to 100 KHz less than .5%.

WIRELESS TECHNOLOGY
VIDEO RECEIVER FSRX-5800

Power Input Voltage	9-12 VCD or 115 VAC or 115 VAC with thermostatically controlled heater (115 VAC) 60 Hz @ 1.5 amp
Power Draw	1 amp
Receiver Frequency	5725-5875 MHz
Receiver Sensitivity	-80 dBm for 40 dB - S/N
Receiver Accuracy	0.02%, -40° to +75° C
Spurious & Harmonics	Less than -60 dBc
Noise Figure (Total System)	Less than 5 dB
Video Bandwidth	12 MHz
Video Output	NTSC/PAL Standard, EIA-250-C, 1.0 V P-P
Antenna Gain/Beamwidth	Standard + 9 dBI / 120° Long Range + 28 dBI / 7°

INPUTS

Long Range RF Input Antenna: N Female connector, mates with connector on antenna provided.

POWER

Terminal strip connector with wire clamps for each terminal.

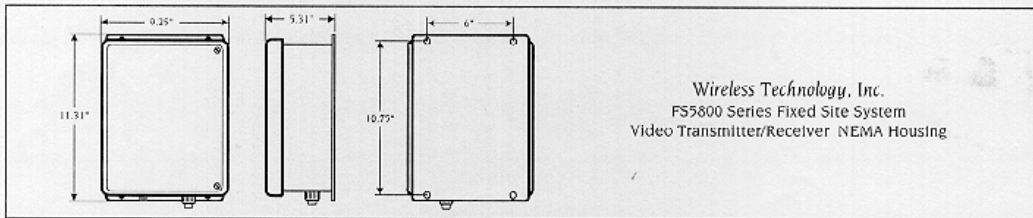
OUTPUT

Video Monitor: BNC Connector, NTSC/PAL Standard Output, EIA-250-C, 1.0 V P-P, 75 Ohms.

DIMENSIONS:

Weight: 8 pounds
Size: 9.3" wide X 11.3" high X 5.3" deep
Weatherproof NEMA 4X non-metallic enclosure provided with a mast mount bracket (2" diameter mast, minimum size)

MADE IN USA • US PATENT # 5,128,755
CONFORMS TO EIA-TIA-250-C



Wireless Technology, Inc.
FS5800 Series Fixed Site System
Video Transmitter/Receiver NEMA Housing

See the Wireless Camera Control Product Sheet for Pan-Tilt-Zoom, Multiplexer and Camera Control Options

Due to *Wireless Technology's* continuing efforts to engineer the best product that is most responsive to our customer's needs, the above specifications are subject to change without notice.

PRODUCT RADIATED EMISSIONS

Test Date: May 5, 2001

No	Emission Frequency MHz	Spec Limit dB	Measurements			Site			Corr Factor dB	Comments
			ABS UV/m	dLim dB	Mode	Pol	Hgt Cm	AZM deg		
1	5800.02	94.0	83.2	-10.8	PK	H	100	0	.8	Carrier
2	10600.0	54.0	31.6	-22.4	PK	H	100	0	5.5	
3	16400.0	54.0	29.0	-25.0	PK	H	100	0	9.5	
4					PK	H				
5					PK	H				
6					PK	H				
7					PK	H				
8					PK	H				
9					PK	H				
10					PK	H				

**** No measurable emissions from 30MHz to 1GHz**

NOTE:

Fundamental Emission at 5800.02 Mhz. Emissions from the fourth harmonic and higher were not detectable and probably within the noise floor of the measurement equipment if they exist at all.

2.4 MODIFICATIONS

None required to demonstrate compliance. Product compliant as tested.

2.5 INTENT TO INCORPORATE ENGINEERING REWORK (If required by 2.4 above)

INTENT TO INCORPORATE ENGINEERING REWORK

This is a letter of Intent to Incorporate the Engineering Rework as described in the above referenced PDE Laboratories. Test Report, Section 2.4, to achieve compliance with the intent of the testing as documented. I, the undersigned have the responsibility for marketing the device tested, and have implemented procedures to monitor the quality of the product (device tested), during continued manufacturing processes and possible product changes or enhancements, and take the responsibility to monitor continued compliance through periodic re-testing during the life of product (device tested), and re-testing any new configuration which might alter the status of the product's continued compliance to the applicable Rules and Regulations.

[NOT APPLICABLE FOR THIS TEST REPORT]

Signature

Date

Name

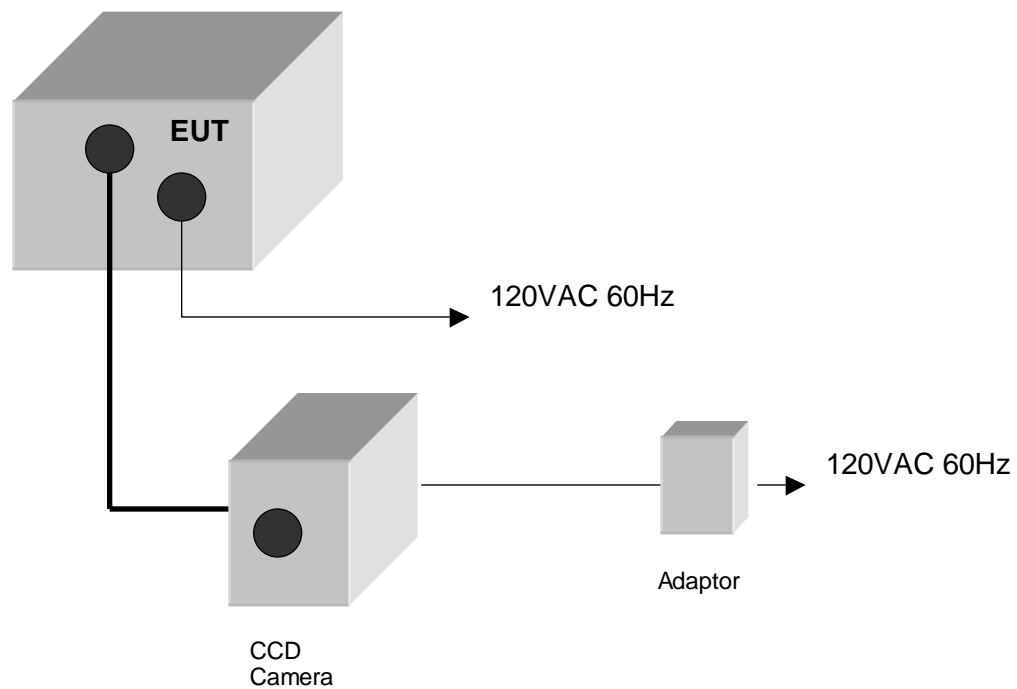
Title

2.6 RECOMMENDATIONS

None. Refer to paragraph 2.4 for any applicable comments and information.

3.0 DESCRIPTION OF EUT CONFIGURATION

3.1 SKETCH OF EQUIPMENT AND CABLE CONFIGURATION



NOTE:

Antenna within EUT enclosure. The antenna and its interconnect cable to the transmitter output circuitry is wholly within the enclosure and not accessible to the user.

3.2 DESCRIPTION OF EUT AND PERIPHERAL EQUIPMENT

3.2.1 DESCRIPTION OF EUT

The EUT is a Wireless Technology Video transmitter Model: FSTX-5800. It is intended to transmit over short distances real-time video and finds applications in remote viewing of various circumstances by authorized agencies and entities.

Equipment: Video transmitter
Manufacturer: Wireless Technology
Model No.: FSTX-5800
Serial No.: Engineering Prototype

Internal
Frequencies: 5.8GHz

Power Supply: Internal
Tested at: 120 VAC, 60 Hz.
Model:
S/N:

RFI Suppression Features:

Powerline Filter: N/A
Ferrite Chokes: N/A

Internal Components: N/A

Equipment:
Manufacturer:
Model No.:
Serial No.:
Located:

3.2.2 DESCRIPTION OF PERIPHERAL EQUIPMENT

- 1) Equipment: Color CCD Camera
Manufacturer: Pelco
Model No.: CC1400HZ16-4
Serial No.: 911KV00018

- 2) Equipment: AC Adaptor for CCD Camera
Manufacturer: Generic
Model No.: AD41-1200500DU
Serial No.: N/A

3.3 TYPES OF CABLES USED:

Power Cords

- 1) Unit: EUT
Manufacturer: Generic
Shielded: No
Length: .5m

I/O Cables - External

- 1) Connection: EUT to CCD Camera
Manufacturer: Generic
Shielded: Yes
Connectors: BNC
Length: 1m

