



## EMC Test Data

Client:	2Wire	Job Number:	J63083
Model:	RG2701 with SunFone Power Supply	Test-Log Number:	T63701
		Project Manager:	Mark Hill
Contact:	Jeremy Muir		
Emissions Spec:	EN55022/FCC, 15.247, RSS-210	Class:	B
Immunity Spec:	EN 300 386	Environment:	TTE

## EMC Test Data

For The

**2Wire**

Model

**RG2701 with SunFone Power Supply**

Date of Last Test: 8/7/2006



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### Test Configuration # 2

The following information was collected during the test sessions(s).

#### Local Support Equipment

Manufacturer	Model	Description	Serial Number	FCC ID
DELL	PPX	INSPIRON 3700 Laptop	-	-
3COM	Palm III	Organizer	-	-

#### Remote Support Equipment

Manufacturer	Model	Description	Serial Number	FCC ID
Zyxel	IES-1000	DSLAM	S060Z08015859	-
HP	Compaq NX6110	Laptop	-	QDS-BRCM1013
Allen TEL Products	-	Breakout Box for DSLAM	-	-

#### Cabling and Ports

Port	Connected To	Cable(s)		
		Description	Shielded or Unshielded	Length(m)
Ethernet	Remote Laptop	CAT 5	Unshielded	10.0
Ethernet (x2)	Unterminated	CAT 5	Unshielded	1.0
USB	Local Laptop	Multiconductor	Shielded	2.0
ADSL	Remote DSLAM	Phone Cable	Unshielded	10.0
DC Power	AC/DC Adapter	Multiconductor	Unshielded	1.0

Note: The \_\_\_\_\_ ports were not connected during testing. The manufacturer stated that these are for \_\_\_\_\_ purposes and therefore would not normally be connected.



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### EUT Operation During Emissions Tests

During emissions testing the EUT \_\_\_\_\_ .

### EUT Operation During Immunity Tests

During immunity test the EUT will be exercised by \_\_\_\_\_ .

Normal operation is indicated by \_\_\_\_\_ and shall be monitored by \_\_\_\_\_ .

### Performance Criteria for Immunity Tests

#### Criterion A:

During and after testing the EUT shall continue to \_\_\_\_\_ .

#### Criterion B:

During application of the transient test, degradation of performance including \_\_\_\_\_ is allowed provided that the EUT self-recovers to normal operation after testing without any operator intervention.

#### Criterion C:

Loss of function is allowed provided that normal operation can be restored by \_\_\_\_\_ .

### Performance Criteria for Medical Tests

During and after immunity testing the EUT shall continue to \_\_\_\_\_ .



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## Conducted Emissions

*(Elliott Laboratories Fremont Facility, Semi-Anechoic Chamber)*

### Test Specifics

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 7/5/2006	Config. Used: 2
Test Engineer: Riaz Momand	Config Change: None
Test Location: SVOATS #2	EUT Voltage: 120V/60Hz

### General Test Configuration

For tabletop equipment, the EUT was located on a wooden table inside the semi-anechoic chamber, 40 cm from a vertical coupling plane and 80cm from the LISN. A second LISN was used for all local support equipment. Remote support equipment was located outside of the chamber.

**Ambient Conditions:**

Temperature:	28 °C
Rel. Humidity:	45 %

### Summary of Results

Run #	Test Performed	Limit	Result	Margin
1	CE, AC Power,120V/60Hz	FCC Class B	Pass	47.5dBµV @ 0.517MHz (-8.5dB)

### Modifications Made During Testing:

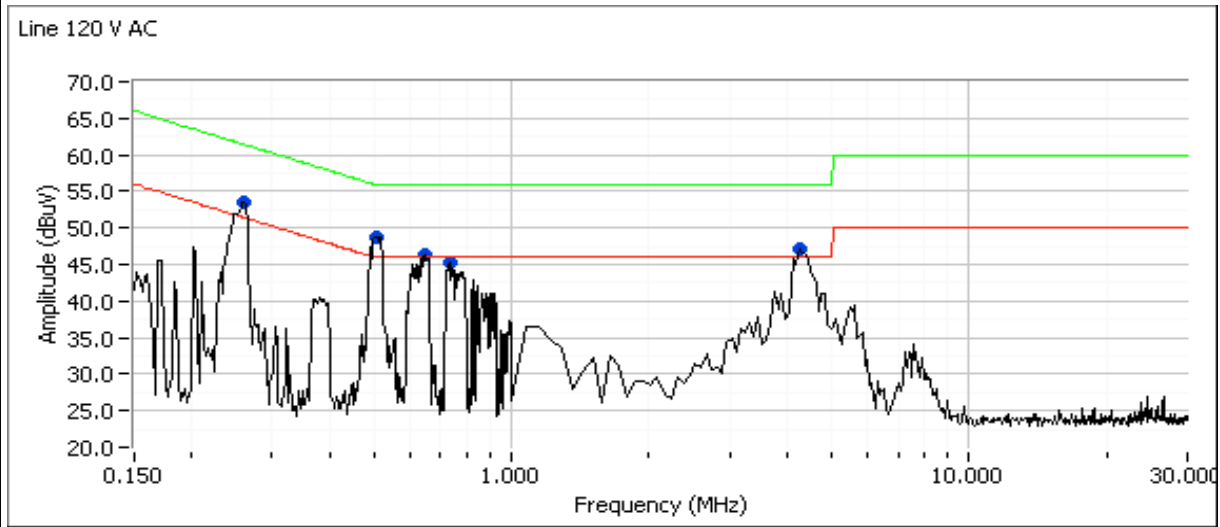
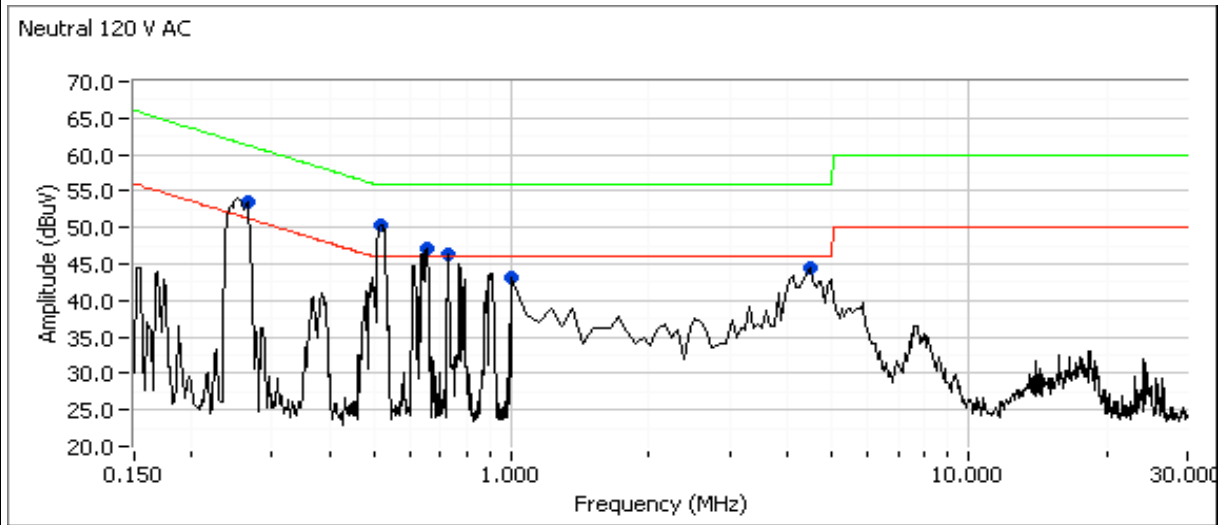
No modifications were made to the EUT during testing

### Deviations From The Standard

No deviations were made from the requirements of the standard.

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**Run # 1: AC Power Port Conducted Emissions, 0.15 - 30MHz, 120V/60Hz**





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### Preliminary peak readings captured during pre-scan (peak readings vs. average limit)

Frequency MHz	Level dB $\mu$ V	AC Line	FCC Class B		Detector QP/Ave	Comments
			Limit	Margin		
0.517	50.4	Neutral	46.0	4.4	Peak	
0.508	48.7	Line	46.0	2.7	Peak	
0.263	53.6	Neutral	51.3	2.3	Peak	
0.263	53.5	Line	51.4	2.1	Peak	
0.650	47.1	Neutral	46.0	1.1	Peak	
4.359	47.1	Line	46.0	1.1	Peak	
0.645	46.4	Line	46.0	0.4	Peak	
0.725	46.3	Neutral	46.0	0.3	Peak	
0.736	45.2	Line	46.0	-0.8	Peak	
4.416	44.4	Neutral	46.0	-1.6	Peak	
0.997	43.2	Neutral	46.0	-2.8	Peak	

### Final quasi-peak and average readings

Frequency MHz	Level dB $\mu$ V	AC Line	FCC Class B		Detector QP/Ave	Comments
			Limit	Margin		
0.517	47.5	Neutral	56.0	-8.5	QP	
0.263	51.1	Line	61.3	-10.2	QP	
0.508	45.6	Line	56.0	-10.4	QP	
0.253	50.6	Neutral	61.7	-11.1	QP	
0.645	42.5	Line	56.0	-13.5	QP	
0.650	41.5	Neutral	56.0	-14.5	QP	
4.262	41.2	Line	56.0	-14.8	QP	
0.517	30.0	Neutral	46.0	-16.0	Average	
0.725	40.0	Neutral	56.0	-16.0	QP	
4.416	39.5	Neutral	56.0	-16.5	QP	
0.736	39.5	Line	56.0	-16.5	QP	
0.253	34.0	Neutral	51.7	-17.7	Average	
0.263	32.0	Line	51.3	-19.3	Average	
0.650	24.5	Neutral	46.0	-21.5	Average	
0.997	33.4	Neutral	56.0	-22.6	QP	
0.508	23.0	Line	46.0	-23.0	Average	
4.262	22.6	Line	46.0	-23.4	Average	
4.416	22.0	Neutral	46.0	-24.0	Average	
0.645	21.0	Line	46.0	-25.0	Average	
0.725	19.0	Neutral	46.0	-27.0	Average	
0.736	15.0	Line	46.0	-31.0	Average	
0.997	13.8	Neutral	56.0	-42.2	QP	