Ellio			<u>C Test</u>
	2Wire	Job Number:	
Model:	RG2701 with SunFone Power Supply	Test-Log Number:	
Contact	Jeremy Muir	Project Manager:	
missions Spec:	EN55022/FCC, 15.247, RSS-210	Class:	В
mmunity Spec:	EN 300 386	Environment:	TTE
	EMC Test Dat	ta	
	For The		
	2Wire		
	Model		
	RG2701 with SunFone Pov	wer Supply	
	Date of Last Test: 8/7/20	06	

Elliott

EMC Test Data

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

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

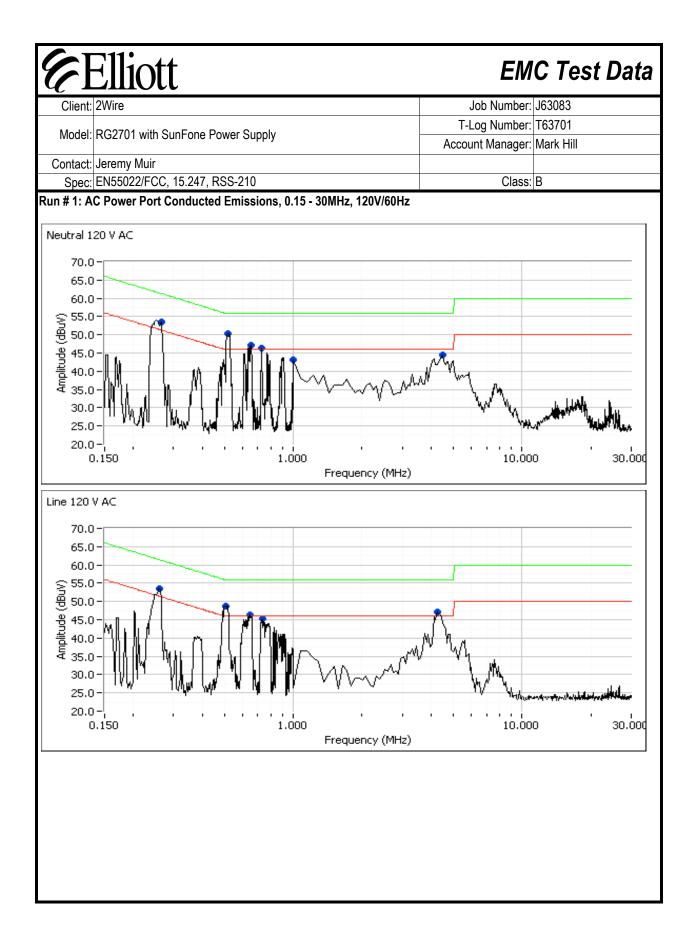
Manufacturer	Model	Description	Serial Number	FCC ID
Zyxel	IES-1000	DSLAM	S060Z08015859	-
HP	Compaq NX6110	Laptop	-	QDS-BRCM1013
Allen TEL Products	-	Breakout Box for DSLAM	-	-

		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.

Elliott	EM	C Test Data
Client: 2Wire	Job Number:	J63083
Model: RG2701 with SunFone Power Supply	T-Log Number:	
	Project Manager:	
Contact: Jeremy Muir	r rojoot managor.	
Emissions Spec: EN55022/FCC, 15.247, RSS-210	Class:	В
	01000.	5
EUT Operation During Emissio During emissions testing the EUT	ons Tests	
EUT Operation During Immun During immunity test the EUT will be exercised by Normal operation is indicated by and shall be monitored by	•	
Performance Criteria for Immu	nity Tests	
Criterion A: During and after testing the EUT shall continue to	They reate	
Criterion B: During application of the transient test, degradation of performance including self-recovers to normal operation after testing without any operator intervent		d provided that the EUT
Criterion C: Loss of function is allowed provided that normal operation can be restored by	у	
Performance Criteria for Medi	cal Tests	
During and after immunity testing the EUT shall continue to		

-							
E	Ellic	ott			EM	C Test	Dat
Client:	2Wire			J	lob Number:	J63083	
Model.	RG2701 w	ith SunFone Power Supply		T-L	og Number:	T63701	
				Accou	nt Manager:	Mark Hill	
	Jeremy Mu				01	D	
Spec:	EN55022/F	FCC, 15.247, RSS-210			Class:	В	
		Cond	lucted Emissio	ons			
		(Elliott Laboratories Fre	emont Facility, Semi	-Anecho	ic Chamb	er)	
est Spe	cifics						
-		The objective of this test sessio specification listed above.	n is to perform final qualif	ication testi	ng of the EU	IT with respect	to the
Dat	te of Test: 7	7/5/2006	Config. Used:	2			
	-	Riaz Momand	Config Change:				
Test	Location: S	SVOATS #2	EUT Voltage:	120V/60Hz	2		
eneral [·]	Test Con	figuration					
or tabletop	o equipmen	t, the EUT was located on a wo	oden table inside the sen	ni-anechoic	chamber 40) cm from a ve	rtical
a constitue de la la							
		cm from the LISN. A second I					
quipment		cm from the LISN. A second I I outside of the chamber.	ISN was used for all loca				
quipment	was located	cm from the LISN. A second I I outside of the chamber.	ISN was used for all loca 28 °C				
quipment	was located Conditio	cm from the LISN. A second I d outside of the chamber. ns: Temperature: Rel. Humidity:	ISN was used for all loca 28 °C				
quipment	was located	cm from the LISN. A second I d outside of the chamber. ns: Temperature: Rel. Humidity:	ISN was used for all loca 28 °C				
ummary Rummary Rur	was located Conditio y of Resu	cm from the LISN. A second I d outside of the chamber. ns: Temperature: Rel. Humidity: Ilts Test Performed	ISN was used for all loca 28 °C 45 % Limit	l support eo	quipment. F	Remote suppor	
quipment Ambient Summar	was located Conditio y of Resu	cm from the LISN. A second I d outside of the chamber. ns: Temperature: Rel. Humidity: Ilts	ISN was used for all loca 28 °C 45 %	l support ec	quipment. F	Remote suppor argin @ 0.517MHz	
quipment mbient Summary Rur	was located Conditio y of Resu	cm from the LISN. A second I d outside of the chamber. ns: Temperature: Rel. Humidity: Ilts Test Performed	ISN was used for all loca 28 °C 45 % Limit	l support eo	quipment. F	Remote suppor	
quipment Ambient Summary Rur	was located Conditio y of Resu	cm from the LISN. A second I d outside of the chamber. ns: Temperature: Rel. Humidity: Ilts Test Performed	ISN was used for all loca 28 °C 45 % Limit	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	
Ambient Ambient Summary Rur 1	was located Conditio y of Resu	cm from the LISN. A second I d outside of the chamber. ns: Temperature: Rel. Humidity: Ilts Test Performed CE, AC Power,120V/60Hz	ISN was used for all loca 28 °C 45 % Limit	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	
Ambient Ambient Summary Rur 1 Addifica	was located Conditio y of Resu	tem from the LISN. A second I d outside of the chamber. Ins: Temperature: Rel. Humidity: Ilts Test Performed CE, AC Power,120V/60Hz de During Testing:	ISN was used for all loca 28 °C 45 % Limit FCC Class B	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	
Ambient Ambient Summary Rur 1 Addifica	was located Conditio y of Resu	cm from the LISN. A second I d outside of the chamber. ns: Temperature: Rel. Humidity: Ilts Test Performed CE, AC Power,120V/60Hz	ISN was used for all loca 28 °C 45 % Limit FCC Class B	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	
Ambient Summary Rur 1 Modifica	was located Conditio y of Resu	tem from the LISN. A second I d outside of the chamber. Ins: Temperature: Rel. Humidity: Ilts Test Performed CE, AC Power,120V/60Hz de During Testing:	ISN was used for all loca 28 °C 45 % Limit FCC Class B	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	
Ambient Summary Rur 1 Modifica	was located Conditio y of Resu	tem from the LISN. A second I d outside of the chamber. Ins: Temperature: Rel. Humidity: Ilts Test Performed CE, AC Power,120V/60Hz de During Testing:	ISN was used for all loca 28 °C 45 % Limit FCC Class B	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	
ummary Rummary Rur 1 1 1 1 1 1 1	was located Conditio y of Resu	tem from the LISN. A second I d outside of the chamber. Ins: Temperature: Rel. Humidity: Ilts Test Performed CE, AC Power,120V/60Hz de During Testing:	ISN was used for all loca 28 °C 45 % Limit FCC Class B	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	
Ambient Ambient Summary Rur 1 Aodifica	was located Conditio y of Resu	cm from the LISN. A second I d outside of the chamber. ns: Temperature: Rel. Humidity: Ilts <u>Test Performed</u> CE, AC Power,120V/60Hz de During Testing: made to the EUT during testing	ISN was used for all loca 28 °C 45 % Limit FCC Class B	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	
Ambient Ambient Summary Rum 1 Aodifica Io modifica	was located Conditio y of Resu h# tions Mad ations were	tem from the LISN. A second I d outside of the chamber. Ins: Temperature: Rel. Humidity: Ilts Test Performed CE, AC Power,120V/60Hz de During Testing: made to the EUT during testing The Standard	ISN was used for all loca 28 °C 45 % Limit FCC Class B	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	
Ambient Ambient Summary Rum 1 Modifica No modifica	was located Conditio y of Resu h# tions Mad ations were	cm from the LISN. A second I d outside of the chamber. ns: Temperature: Rel. Humidity: Ilts <u>Test Performed</u> CE, AC Power,120V/60Hz de During Testing: made to the EUT during testing	ISN was used for all loca 28 °C 45 % Limit FCC Class B	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	
Ambient Ambient Summary Rum 1 Modifica No modifica	was located Conditio y of Resu h# tions Mad ations were	tem from the LISN. A second I d outside of the chamber. Ins: Temperature: Rel. Humidity: Ilts Test Performed CE, AC Power,120V/60Hz de During Testing: made to the EUT during testing The Standard	ISN was used for all loca 28 °C 45 % Limit FCC Class B	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	
Ambient Ambient Summary Rum 1 Modifica No modifica	was located Conditio y of Resu h# tions Mad ations were	tem from the LISN. A second I d outside of the chamber. Ins: Temperature: Rel. Humidity: Ilts Test Performed CE, AC Power,120V/60Hz de During Testing: made to the EUT during testing The Standard	ISN was used for all loca 28 °C 45 % Limit FCC Class B	l support eo	quipment. F	Remote suppor argin @ 0.517MHz	



Client:	2Wire						Job Number:	J63083
							T-Log Number:	
Model:	RG2701	with SunF	one Power	Supply			Account Manager:	
Contact:	Jeremy N	luir						
Spec:	EN55022	/FCC, 15	.247, RSS-	210			Class:	В
Preliminar	y peak re	adings ca	aptured du	ring pre-sc	an (peak re	adings vs. ave	erage limit)	
Frequency	Level	AC		Class B	Detector	Comments		
MHz	dBµV	Line	Limit	Margin	QP/Ave			
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 47.1	Line Neutral	51.4 46.0	2.1 1.1	Peak Peak			
0.650 4.359	47.1	Line	46.0	1.1	Peak Peak	}		
<u>4.359</u> 0.645	47.1	Line	46.0	0.4	Peak	<u> </u>		
0.045	46.3	Neutral	46.0	0.4	Peak			
0.725	40.3	Line	46.0	-0.8	Peak			
4.416	44.4	Neutral	46.0	-0.0	Peak	}		
0.997	43.2	Neutral	46.0	-2.8	Peak			
Final quas Frequency	i-peak an Level	d averag	e readings FCC (Class B	Detector	Comments		
MHz	dBµV	Line	Limit	Margin	QP/Ave			
0.517	47.5	Neutral	56.0	-8.5	QP			
0.263	51.1	Line	61.3	-10.2	QP			
0.508		Line	56.0	-10.4	QP			
0.253	50.6	Neutral	61.7	-11.1	QP			
	42.5	Line	56.0	-13.5	QP			
0.645		Neutral	56.0	-14.5	QP			
0.650	41.5							
0.650 4.262	41.2	Line	56.0	-14.8	QP			
0.650 4.262 0.517	41.2 30.0	Neutral	46.0	-16.0	Average			
0.650 4.262 0.517 0.725	41.2 30.0 40.0	Neutral Neutral	46.0 56.0	-16.0 -16.0	Average QP			
0.650 4.262 0.517 0.725 4.416	41.2 30.0 40.0 39.5	Neutral Neutral Neutral	46.0 56.0 56.0	-16.0 -16.0 -16.5	Average QP QP			
0.650 4.262 0.517 0.725 4.416 0.736	41.2 30.0 40.0 39.5 39.5	Neutral Neutral Neutral Line	46.0 56.0 56.0 56.0	-16.0 -16.0 -16.5 -16.5	Average QP QP QP			
0.650 4.262 0.517 0.725 4.416 0.736 0.253	41.2 30.0 40.0 39.5 39.5 34.0	Neutral Neutral Neutral Line Neutral	46.0 56.0 56.0 56.0 51.7	-16.0 -16.0 -16.5 -16.5 -17.7	Average QP QP QP Average			
0.650 4.262 0.517 0.725 4.416 0.736 0.253 0.263	41.2 30.0 40.0 39.5 39.5 34.0 32.0	Neutral Neutral Line Neutral Line	46.0 56.0 56.0 56.0 51.7 51.3	-16.0 -16.0 -16.5 -16.5 -17.7 -19.3	Average QP QP QP Average Average			
0.650 4.262 0.517 0.725 4.416 0.736 0.253 0.263 0.263	41.2 30.0 40.0 39.5 39.5 34.0 32.0 24.5	Neutral Neutral Line Neutral Line Neutral Neutral	46.0 56.0 56.0 51.7 51.3 46.0	-16.0 -16.0 -16.5 -16.5 -17.7 -19.3 -21.5	Average QP QP QP Average Average Average			
0.650 4.262 0.517 0.725 4.416 0.736 0.253 0.263 0.650 0.997	41.2 30.0 40.0 39.5 39.5 34.0 32.0 24.5 33.4	Neutral Neutral Line Neutral Line Neutral Neutral	46.0 56.0 56.0 51.7 51.3 46.0 56.0	-16.0 -16.0 -16.5 -16.5 -17.7 -19.3 -21.5 -22.6	Average QP QP QP Average Average QP			
0.650 4.262 0.517 0.725 4.416 0.736 0.253 0.263 0.263 0.650 0.997 0.508	41.2 30.0 40.0 39.5 39.5 34.0 32.0 24.5 33.4 23.0	Neutral Neutral Line Neutral Line Neutral Neutral Line	46.0 56.0 56.0 51.7 51.3 46.0 56.0 46.0	-16.0 -16.0 -16.5 -16.5 -17.7 -19.3 -21.5 -22.6 -23.0	Average QP QP Average Average Average QP Average			
0.650 4.262 0.517 0.725 4.416 0.736 0.253 0.263 0.650 0.997	41.2 30.0 40.0 39.5 34.0 32.0 24.5 33.4 23.0 22.6	Neutral Neutral Line Neutral Line Neutral Neutral Line Line	46.0 56.0 56.0 51.7 51.3 46.0 56.0 46.0 46.0	-16.0 -16.0 -16.5 -16.5 -17.7 -19.3 -21.5 -22.6 -23.0 -23.4	Average QP QP Average Average Average QP Average Average			
0.650 4.262 0.517 0.725 4.416 0.736 0.253 0.263 0.650 0.997 0.508 4.262	41.2 30.0 40.0 39.5 34.0 32.0 24.5 33.4 23.0 22.6 22.0	Neutral Neutral Line Neutral Line Neutral Neutral Line Line Line Neutral	46.0 56.0 56.0 51.7 51.3 46.0 56.0 46.0	-16.0 -16.0 -16.5 -16.5 -17.7 -19.3 -21.5 -22.6 -23.0 -23.4 -24.0	Average QP QP Average Average Average Average Average Average			
0.650 4.262 0.517 0.725 4.416 0.736 0.253 0.263 0.263 0.650 0.997 0.508 4.262 4.416	41.2 30.0 40.0 39.5 39.5 34.0 24.5 33.4 23.0 22.6 22.0 21.0	Neutral Neutral Line Neutral Line Neutral Neutral Line Line Neutral Line	46.0 56.0 56.0 51.7 51.3 46.0 56.0 46.0 46.0 46.0	-16.0 -16.0 -16.5 -16.5 -17.7 -19.3 -21.5 -22.6 -23.0 -23.4	Average QP QP Average Average Average Average Average Average Average			
0.650 4.262 0.517 0.725 4.416 0.736 0.253 0.263 0.263 0.650 0.997 0.508 4.262 4.416 0.645	41.2 30.0 40.0 39.5 39.5 34.0 24.5 33.4 23.0 22.6 22.0 21.0 19.0	Neutral Neutral Line Neutral Line Neutral Neutral Line Line Line Neutral	46.0 56.0 56.0 51.7 51.3 46.0 56.0 46.0 46.0 46.0 46.0	-16.0 -16.0 -16.5 -16.5 -17.7 -19.3 -21.5 -22.6 -23.0 -23.4 -23.4 -24.0 -25.0	Average QP QP Average Average Average Average Average Average			