

TEST REPORT

FCC Part 15 Subpart C Section 15.209 IC RSS-210 Issue 8 IC RSS-Gen Issue 3

MANUFACTURER'S NAME RFID Solutions S.L.

Severo Ochoa 33/35-Parque Tecnologico

Campanillas (Malaga)

Spain 29590.

PRODUCT NAME Utility RFID Wand

MODEL NUMBER(S) TESTED M350

SERIAL NUMBER(S) TESTED n/a

PRODUCT DESCRIPTION Utility RFID Wand

TEST REPORT NUMBER WC1207039 Rev A

TEST DATE(S) 31 July – 01 August 2012 and 12 September 2013

TÜV SÜD America Inc, as an independent testing laboratory, declares that the equipment tested as specified above conforms to the applicable EMC requirements of FCC Part 15 Subpart C Section 15.209 "Radiated emission limits; general requirements" and Industry Canada RSS-210 Issue 8 "Licence-exempt Radio Apparatus (All Frequency Bands): Category I Equipment" and Industry Canada RSS-Gen Issue 3 "General Requirements and Information for the Certification of Radio Apparatus".

It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics. Any modifications necessary for compliance made during testing on the above mentioned date(s) must be implemented in all production units for compliance to be maintained.

Radiated emissions were retested on 12 September 2013. Original values were verified with the addition of a certified wireless module.

Date: 25 September 2013

Taylors Falls MN Joel T Sch

USA

Location:

Joel T Schneider Senior EMC Engineer

Joel T. Sohneisen

Not Transferable

Robert J Behringer neer EMC Engineer

TÜV SÜD AMERICA INC 19333 Wild Mountain Road Taylors Falls MN 55084 Tel: (651) 638-0297 Fax: (651) 638-0298 Rev. 113006

Test Result



EMC TEST REPORT

Test Report No.	WC1207039 Rev A	Date of issue: 25 S	September 2013
Product Name	Utility RFID Wand		
Model(s) Tested	M350		
Corial Na/a) Tastad	7/0		
Serial No(s) Tested	n/a		
Product Description	Utility RFID Wand		
	July 11 12 Traine		
Manufacturer	RFID Solutions S.L.		
	Severo Ochoa 33/35-Parque Tecr	ologico	
	Campanillas (Malaga)		
	Spain 29590.		
	Spain 2000.		

TÜV SÜD America Inc reports apply only to the specific samples tested under stated test conditions. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. TÜV SÜD America Inc shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD America Inc issued reports.

■ Negative

■ Positive

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TÜV SÜD America Inc and its professional staff hold government and professional organization certifications and are members of AAMI, ACIL, AEA, ANSI, IEEE, NARTE, and VCCI.



REVISION RECORD

REVISION	TOTAL NUMBER OF PAGES	DATE	DESCRIPTION
	28	13 September 2012	Initial Release
A	27	23 September 2013	Deleted incorrect Test Set-up photo. Page 4 and corresponding Test Result Summary (TRS): Added statement "Radiated emissions were retested on 12 September 2013. Original values were verified with the addition of a certified wireless module."





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EMC TEST REGULATIONS:

The tests were performed according to the following regulations:

FCC Part 15 Subpart C §15.209 IC RSS-210 Issue 8 IC RSS-Gen Issue 3

Radiated emissions were retested on 12 September 2013. Original values were verified with the addition of a certified wireless module.

ENVIRONMENTAL CONDITIONS IN THE LAB

Temperature: : 20-21°C
Atmospheric pressure : 99kPa
Relative Humidity : 50-87%

POWER SUPPLY UTILIZED

Power supply system : 110/230VAC / 60/50Hz – 1 phase

TEST EQUIPMENT

All measurement instrumentation is traceable to the National Institute of Standards and Technology and is calibrated according to internal procedure.

MEASUREMENT UNCERTAINTY

The test system for conducted emissions is defined as the LISN, tuned receiver or spectrum analyzer, and coaxial cable. The test system has a measurement uncertainty of ±1.8 dB. The test system for radiated emissions is defined as the antenna, the pre-amplifier, the spectrum analyzer and the coaxial cable. The test system has a measurement uncertainty of ±4.8 dB. All measurement instrumentation is traceable to the National Institute of Standards and Technology and is calibrated according to internal procedure.

SIGN EXPLANATIONS

□ - not applicable

■ - applicable



General field strength limits 0.009 – 30 MHz FCC 15.209(a), FCC 15.209(c), IC RSS-210 2.5, RSS-Gen 7.2.5

Test summary

The requirements are: ■ - MET □ - NOT MET

Testing was performed in accordance with the test procedure of ANSI C63.4 2009, clause 8.2.2.

Maximum field strength of the fundamental is 20 dB_μV/m or 10 μV/m at 300 meters at 125.1 kHz.

Minimum margin of compliance of the fundamental is 5.6 dB.

Maximum field strength of spurious emissions is -9 dB_μV/m or 0.35 μV/m at 300 meters at 375.0 kHz. Minimum margin of compliance of the spurious emission is 25 dB.

No unwanted emissions exceed the level of the fundamental.

Test location

- □ Wild River Lab Large Test Site (Open Area Test Site)
- - Wild River Lab Small Test Site (Open Area Test Site)

Test distance

- - 1 meters
- - 3 meters
- - 10 meter

Test equipment

TUV ID	Model	Manufacturer	Description	Serial	Cal Due
WRLE02534	ESHS-20	Rohde & Schwarz	EMI Receiver 9kHz-30MHz	837055/003	06-Jul-13
WRLE10863	N/A	TÜV SÜD America Inc	Test Companion Software	e N/A	Code B
			Version 3.4.71		

Cal Code B = Calibration verification performed internally.

Test limit

Frequency	Field strength	Measurement
(MHz)	μV/m	distance (m)
0.009-0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30	30	30

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Data

See following page



FREQ	LEVEL	CABLE / ANT / PREAMP /	FINAL	POL / HGT / AZ	DELTA1	DELTA2
	(dBuV)	ATTEN	(dBuV / m)	(m)(DEG)		
		(dB)				
125.1 kHz	109.0 Qp	0.0 / 0.0 / 0.0 / 0.0	109.0	V / 1.00 / 0	n/a	n/a
above reading at	3 meters					
125.1 kHz	80.0 Qp	0.0 / 0.0 / 0.0 / 0.0	80.0	V / 1.00 / 0	n/a	n/a
above reading at	10 meters - s	ame levels qp, pk or av				
125.1 kHz	20.0 Qp	0.0 / 0.0 / 0.0 / 0.0	20.0	V / 1.00 / 0	n/a	n/a
above reading ex	trapolated out	to 300 meters using 40 dB/deca	de falloff			
15.209 limit = 24	00/125.1 = 19.	2 uV/m = 25.6 dBuV/m - passing	margin 5 dB			
eu limit is 66 dBu	ıA/m at 10 met	ers = 117.1 dBuV/m - passing m	argin 97 dB			
also, German lim	it of 42 dBuA/r	m at 129.1 kHz - ok				
375 kHz	71.0 Qp	0.0 / 0.0 / 0.0 / 0.0	71.0	V / 1.00 / 0	n/a	n/a
500 kHz	62.0 Qp	0.0 / 0.0 / 0.0 / 0.0	62.0	V / 1.00 / 0	n/a	n/a
above readings a	at 3 meters					
375 kHz	-9 Qp	0.0 / 0.0 / 0.0 / 0.0	-9	V / 1.00 / 0	n/a	n/a
		300 meters using 40 dB/decade				
15.209 limit = 240	00/375 = 6.4 u	V/m = 16.1 dBuV/m - passing ma	argin 25 dB			
500 kHz	62.0 Qp	0.0 / 0.0 / 0.0 / 0.0	62.0	V / 1.00 / 0	n/a	n/a
above readings at 3 meters						
500 kHz	22.0 Qp	0.0 / 0.0 / 0.0 / 0.0	22.0	V / 1.00 / 0	n/a	n/a
	above readings extrapolated to 30 meters using 40 dB/decade falloff					
		uV/m = 33.6 dBuV/m - passing m	argin 11 dB			
Quote states fcc	only, so no en	300 330 testing performed				

Radiated emissions in the frequency range of 10 kHz to 30 MHz, including the fundamental transmit signal, are measured using a receiver capable of quasi-peak/average/peak measurements and a magnetic loop antenna. The transmitter and loop antenna are rotated through 3 orthogonal axes in order to determine the maximum emission levels. If the signal cannot be measured at the specified limit distance, measurements are recorded at multiple distances nearer to the device and the final level mathematically extrapolated. Measurements between 150 kHz and 30 MHz are made with a 9 kHz resolution bandwidth. Measurements between 9 kHz and 150 kHz are made with a 200 Hz resolution bandwidth.



Radiated Emissions 30 - 1000 MHz FCC 15.209(c), FCC 15.209(f), IC RSS-210 2.5, RSS-Gen 7.2.5

Test summary

The requirements are: ■ - MET □ - NOT MET

Testing was performed in accordance with the test procedure of ANSI C63.4 2009, clause 8.3.

Maximum spurious emission is 23.68 dB_µV/m (15.3 µV/m) at 10 meters at 240 MHz.

Minimum margin of compliance is 9 dB.

Test location

Wild River Lab Small Test Site (Open Area Test Site)

Test distance

10 meters

Test Equipm	ent				
TUV ID	Model	Manufacturer	Description	Serial	Cal Due
WRLE03204	EM-6917B	Electro-Metrics	Biconicalog Periodic	102	16-May-13
OWLE02682	85650A	Hewlett-Packard	Quasi-Peak Adapter	2811A01127	21-Feb-13
WRLE08052	8566B	Hewlett-Packard	Spectrum Analyzer	2115A00853	14-Feb-13
WRLE08051	85662A	Hewlett-Packard	Analyzer Display	2112A02220	14-Feb-13
NBLE02667	8447D	Hewlett-Packard	Preamplifier	1616A00688	Code B 20-Sep-12
WRLE10863	N/A	TÜV SÜD America Inc	Test Companion Software Version 3.4.71	N/A	Code B

Cal Code B = Calibration verification performed internally.

Limit (extrapolated)

Frequency	Field strength	Field strength	Measurement
(MHz)	(μV/m)	(dBμV/m)	distance (m)
30 - 88	100	30	10
88 - 216	150	33.5	10
216 - 960	200	36	10
Above 960	500	44	10

The emission limits shown in the above tables are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. When average radiated emission measurements are specified in this part, including average emission measurements below 1000 MHz, there also is a limit on the peak level of the radio frequency emissions. Unless otherwise specified, e.g., see §§ 15.250, 15.252, 15.255, and 15.509-15.519, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test. Radiated emissions from the EUT are measured in the frequency range of 30 to 1000 MHz using a spectrum analyzer and appropriate broadband linearly polarized antennas. Measurements between 30 MHz and 1000 MHz are made with a 120 kHz / 6 dB bandwidth and guasi-peak detection and measurements above 1000 MHz are made with a 1 MHz RBW/VBW / 6 dB bandwidth and peak detection, 1 MHz RBW/ 10 Hz VBW for average detection. Table top equipment is placed on a non-conductive support 80 cm above the ground plane. Interface cables that are closer than 40 centimeters to the ground plane are bundled in the center in a serpentine fashion so they are at least 40 centimeters from the ground plane. Cables to simulators/testers (if used in this test) are routed through the center of the table and to a screen room located outside the test area. The antenna is positioned 3, 10 or 30 meters horizontally from the EUT. To locate maximum emissions from the test sample the antenna is varied in height from 1 to 4 meters, measurement scans are made with both horizontal and vertical antenna polarizations and the EUT is rotated 360 degrees. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB / decade (inverse linear-distance for field strength measurements).

Test data

See next page.



Measur	Measurement summary for limit1: FCC-B <1GHz 10m (Qp)				
FREQ	LEVEL	CABLE / ANT /	FINAL	POL /	DELTA1
	(dBuV)	PREAMP / ATTEN	(dBuV	HGT / AZ	FCC-B
	` '	(dB)	·/ m)	(m)(DEG)	<1GHz
		, ,	,		10m
240.0	35.02	3.09 / 11.01 /	23.68	V / 1.00 /	-12.32
MHz	Qp	25.43 / 0.0		90	
180.0	33.58	2.75 / 9.46 / 25.44	20.35	H / 4.00 /	-13.15
MHz	Qp	/ 0.0		300	
300.0	31.3	3.61 / 12.6 / 25.42	22.09	V / 1.00 /	-13.91
MHz	Qp	/ 0.0		90	
401.6	26.44	4.46 / 16.07 /	21.51	V / 1.00 /	-14.49
MHz	Qp	25.46 / 0.0		0	
253.15	31.12	3.19 / 11.46 /	20.37	V / 1.00 /	-15.63
MHz	Qp	25.41 / 0.0		0	
213.65	29.41	2.95 / 10.1 / 25.49	16.97	V / 1.00 /	-16.53
MHz	Qp	/ 0.0		0	
125.0	32.06	2.14 / 7.94 / 25.34	16.81	V / 1.00 /	-16.69
MHz	Qp	/ 0.0		0	
277.25	28.87	3.39 / 12.44 /	19.29	V / 1.00 /	-16.71
MHz	Qp	25.41 / 0.0		90	
250.0	29.61	3.16 / 11.35 /	18.71	V / 1.00 /	-17.29
MHz	Qp	25.41 / 0.0		0	
218.0	28.95	2.98 / 10.25 /	16.69	V / 1.00 /	-19.31
MHz	Qp	25.48 / 0.0		0	



Occupied bandwidth RSS-Gen 4.6.1

Test summary

The requirements are: ■ - MET □ - NOT MET

Test was performed in accordance with the article "The Measurement of Occupied Bandwidth" by Industry Canada's certification bureau.

Occupied bandwidth = 20 Hz

Test location

☐ - Wild River Lab Large Test Site (Open Area Test Site)

■ - Wild River Lab Small Test Site (Open Area Test Site)

Test equipment

TUV ID	Model Number	Manufacturer	Description	Serial Number	Cal Due
NBLE03367	E4440A	Agilent	Spectrum Analyzer	MY42510439	17-May-13
WRLE02418	6502	Electro-Mechanics (EMCO)	Loop Antenna	2215	08-Aug-13
WRLE10863	N/A	TÜV SÜD America Inc	a Test Companion Software Version 3.4.71	e N/A	Code B

Cal Code B = Calibration verification performed internally. Cal Code Y = Calibration not required when used with other calibrated equipment.

Test limit

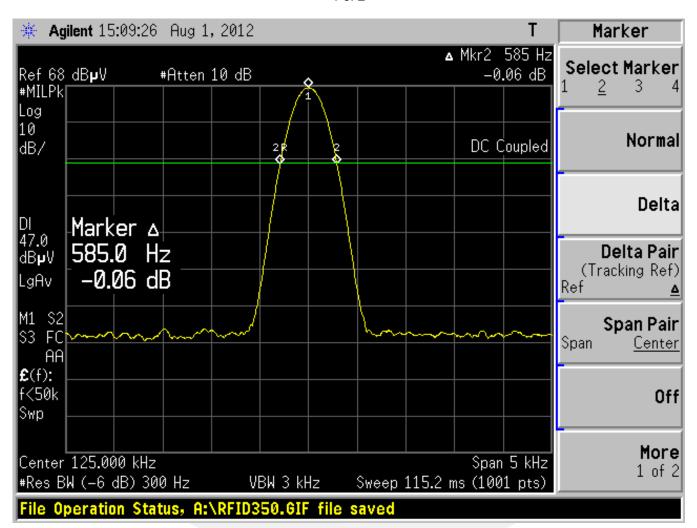
Not specified

Test data

See following pages

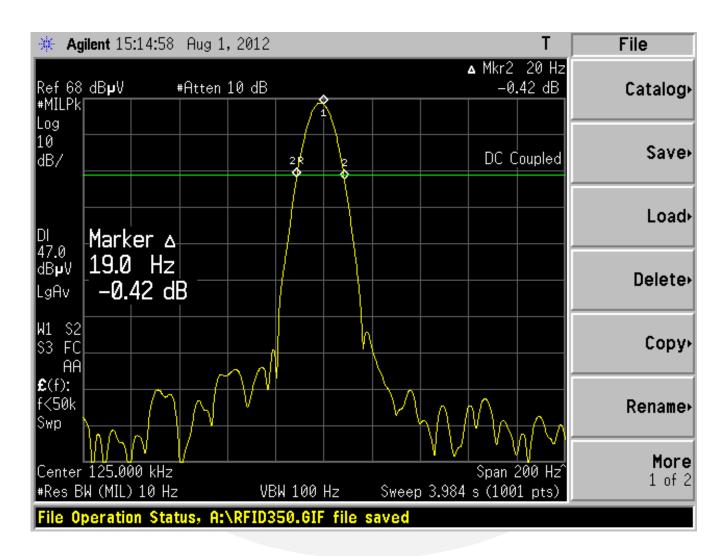


99% Occupied bandwidth 1 of 2





99% Occupied bandwidth 2 of 2





Conducted Emissions - AC Power Lines FCC 15.207(a), 15.107(b), IC RSS-Gen 7.2.4

Test summary

The requirements are: ■ - MET □ - NOT MET

Testing was performed in accordance with the test procedure of ANSI C63.4 2003, clause 7.2

Minimum margin of compliance is 21.09 dB at 501.0 kHz – quasi-peak Minimum margin of compliance is 9.69 dB at 375.0 kHz – average

Test location

☐ - Wild River Lab Large Test Site (Open Area Test Site)

Wild River Lab Small Test Site (Open Area Test Site)

Test equipment used:

TUV ID.	Model	Manufacturer	Description	Serial	Cal Due
WRLE02417	3825/2	Electro-Mechanics (EMCO)	50 Ω LISN	8812-1439	Code B 11-Apr-13
WRLE02534	ESHS-20	Rohde & Schwarz	EMI Receiver 9kHz-30MHz	837055/003	06-Jul-13
WRLE10863	N/A	TÜV SÜD America Inc	Test Companion Software	N/A	Code B 07-Oct-12
			Version 3.4.71		

Cal Code B = Calibration verification performed internally. Cal Code Y = Calibration not required when used with other calibrated equipment.

Test limits, dBuV - Class B

Frequncy (MHz)	Quasi Peak	Average
0.15 - 0.5	66 - 56*	56 - 46*
0.5 - 5	56	46
5 - 30	60	50

^{*}Decreases with the logarithm of the frequency

Test limits - Class A for incorporated digital device

	Conducted limi	t (dBµV)
Frequency of emission (MHz)	Quasi-peak	Average
0.15–0.5	79	66
0.5–30	73	60

Conducted emissions on the 50 Hz and/or 60 Hz power interface of the EUT are measured in the frequency range of 150 kHz to 30 MHz. The measurements are performed using a receiver, which has CISPR characteristic bandwidth (9 kHz resolution bandwidth) and quasi-peak/average detection, and a Line Impedance Stabilization Network (LISN), with 50 Ω /50 μ H (CISPR 16) characteristics. Table top equipment is placed on a non-conducting table 80 centimeters above the floor and is positioned 40 centimeters from the vertical ground plane (wall) of the screen room. In some cases, a pre-scan using a spectrum analyzer is initially performed on the units comprising the system under test to locate the highest emissions.

Test data

See following pages



The battery charger/device under test are not intended for residential use, so will be compared to the Class A limit appropriate for the incorporated digital device.

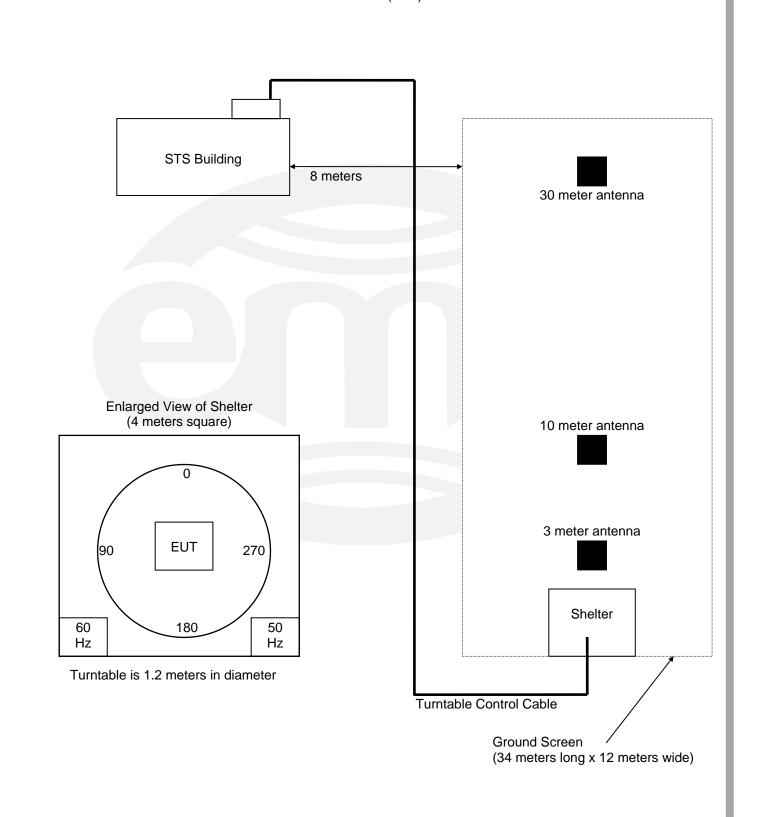
Measurem	ent sum	mary for limit1: EN5	5022 A C	Qp (Qp)	
FREQ	LEVEL	CABLE / ANT / PREAMP /	FINAL	EUT Lead	DELTA1
	(dBuV)	ATTEN	(dBuV)		EN55022 A Qp
		(dB)			
501.0 kHz	51.4 Qp	0.39 / 0.12 / 0.0 / 0.0	51.91	L1	-21.09
375.0 kHz	56.83 Qp	0.35 / 0.1 / 0.0 / 0.0	57.28	L1	-21.72
249.72 kHz	55.71 Qp	0.31 / 0.1 / 0.0 / 0.0	56.12	L1	-22.88
4.51 MHz	47.21 Qp	1.21 / 0.1 / 0.0 / 0.0	48.52	L1	-24.48
338.69 kHz	52.13 Qp	0.34 / 0.1 / 0.0 / 0.0	52.57	L1	-26.43
775.62 kHz	44.39 Qp	0.47 / 0.2 / 0.0 / 0.0	45.06	N	-27.94
4.07 MHz	42.86 Qp	1.13 / 0.1 / 0.0 / 0.0	44.09	L1	-28.91
1.99 MHz	42.31 Qp	0.78 / 0.1 / 0.0 / 0.0	43.19	L1	-29.81
3.83 MHz	42.0 Qp	1.09 / 0.1 / 0.0 / 0.0	43.19	L1	-29.81
2.13 MHz	40.66 Qp	0.81 / 0.1 / 0.0 / 0.0	41.57	L1	-31.43

Measurem	nent sum	mary for limit2: EN5	5022 A A	vg (Av)	
FREQ	LEVEL	CABLE / ANT / PREAMP /	FINAL	EUT Lead	DELTA2
	(dBuV)	ATTEN	(dBuV)		EN55022 A
		(dB)			Avg
375.0 kHz	55.86 Av	0.35 / 0.1 / 0.0 / 0.0	56.31	L1	-9.69
501.0 kHz	49.17 Av	0.39 / 0.12 / 0.0 / 0.0	49.68	L1	-10.32
338.69 kHz	51.84 Av	0.34 / 0.1 / 0.0 / 0.0	52.28	L1	-13.72
4.51 MHz	44.37 Av	1.21 / 0.1 / 0.0 / 0.0	45.68	L1	-14.32
775.62 kHz	42.24 Av	0.47 / 0.2 / 0.0 / 0.0	42.91	L1	-17.09
249.72 kHz	46.76 Av	0.31 / 0.1 / 0.0 / 0.0	47.17	L1	-18.83
1.99 MHz	40.06 Av	0.78 / 0.1 / 0.0 / 0.0	40.94	L1	-19.06
4.07 MHz	39.4 Av	1.13 / 0.1 / 0.0 / 0.0	40.63	L1	-19.37
3.83 MHz	39.32 Av	1.09 / 0.1 / 0.0 / 0.0	40.51	L1	-19.49
1.02 MHz	36.85 Av	0.53 / 0.2 / 0.0 / 0.0	37.58	N	-22.42



TEST SETUP FOR EMISSIONS TESTING WILD RIVER LAB

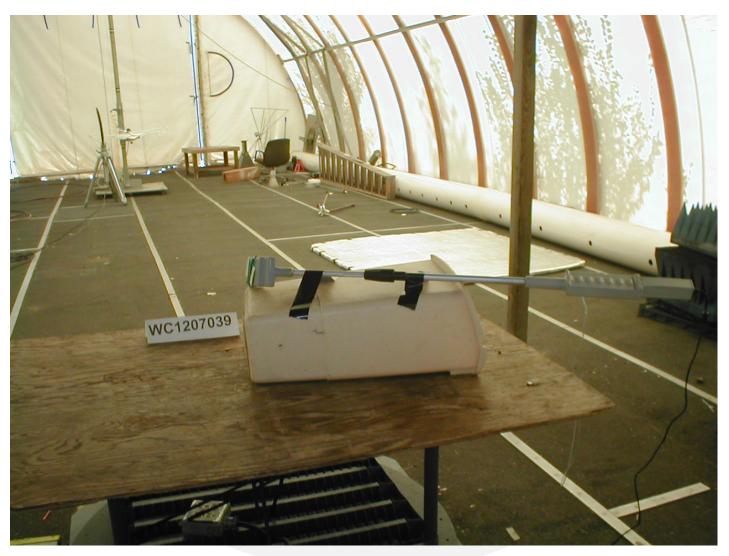
Small Test Site (STS)







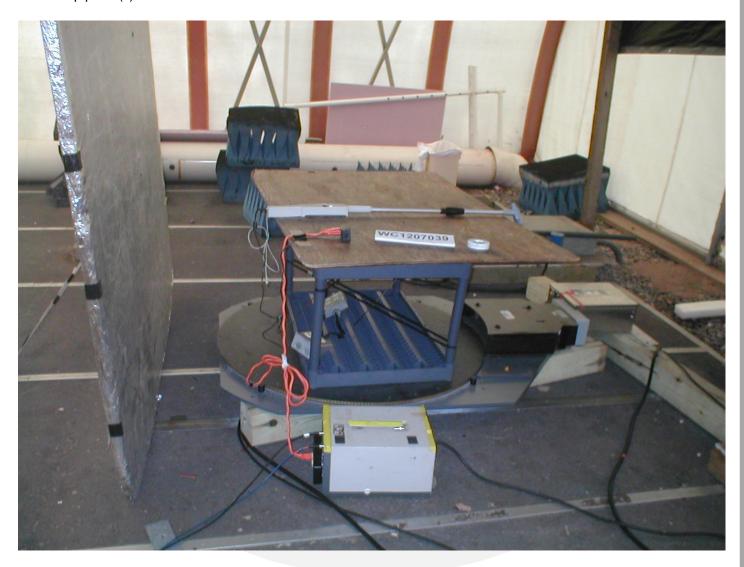














Equipment Under Test (EUT) Test Operation Mode:
The device under test was operated under the following conditions during immunity testing :
□ - Standby
□ - Test program (H - Pattern)
□ - Test program (color bar)
□ - Test program (customer specific)
□ - Practice operation
■ - Normal operating mode
Configuration of the device under test:
■ - See Appendix A and test setup photos
□ - See Product Information Form(s) in Appendix B



DEVIATIONS FRO None.	M STANDARD:	
GENERAL REMAR None	RKS:	
Modifications required ■ None □ As indicated on the		
Test Specification Devi ■ None □ As indicated in the 1	iations: Additions to or Exclusions fro	<u>om</u> :
- met and the device	ording to the technical regulations are under test does fulfill the general ap evice under test does not fulfill the ge	proval requirements.
EUT Received Date:	31 July 2012	
Condition of EUT:	Normal	
Testing Start Date:	31 July 2012	
Testing End Date:	01 August 2012	
TÜV SÜD AMERIC	CA INC	
Tested by:		Approved by:
Joel T. Sohneisen		John Belyn
Joel T Schneider Senior EMC Engineer		Robert J Behringer EMC Engineer



Appendix A

Constructional Data Form





EMC Test Plan and Constructional Data Form

PLEASE COMPLETE THIS DOCUMENT IN FULL, ENTERING N/A IF THE FIELD IS NOT APPLICABLE. IF TESTING RESULTS IN MODIFICATIONS TO THE EQUIPMENT, PLEASE SUBMIT A REVISED TP/CDF INDICATING THOSE MODIFICATIONS. NOTE: This information will be input into your test report as shown below. Press the F1 key at any time to get HELP for the current field selected.

Company:	RFID Solutions S.L.		
Address:	Severo Ochoa 33/35-Parque Tecn	ologico	
	Campanillas (Malaga)		
	Spain 29590.		
Contact:	Zeke Mejia	Position:	President
Phone:	(34) 637 161 976	- Fax:	(34) 95 296 0120
E-mail Address:	zekemejia@rfidsolutionssl.com	_	
		_	
General Equipment	Description NOTE: This information	will be input in	to your test report as shown below.
EUT Description			
EUT Name	Radio Frequency Identification Rea	ader -(RFID F	Reader)
Model No.:	M350	_ Serial No.:	N/A
Product Options:			
Configurations to be	tested:		
· · · · · · · · · · · · · · · · · · ·			
	ation (If applicable, indicate modifications mit revised TP/CDF after testing is complet		s last tested. If modifications are made
Modifications since la		,	
Modifications made of			
Wodinoations made t	140110		
Test Objective(s): P	lease indicate the tests to be performed, e	ntering the appl	licable standard(s) where noted.
	04/108/EC (EMC)		
Std:	VC		
Std:	` / =	MI: Cla nada: Cla	
		stralia: Cla	= =
Std:		ner:	
	_ , , _	/EC (EMC)	
Other Vehicle St			
	Suidance for Premarket missions (EMC)		
	missions (Live)		
Third Party Certifica	ation, if applicable (*Signature on	Page 6 Requ	ired)
Attestation of Cor			tion (used with Octagon Mark)*
Certificate of Con	· · · · · · =	Compliance D	
	(N/A for vehicles)	Class I	☐ Class II ☐ Class III
FCC / TCB Certifi			da / FCB Certification
□ E-Mark Certification	on 🔲 T	aiwan Certifi	cation

FILE: EMCU_F09.02E, REVISION 9, Effective: 14 Jan 2008

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EMC Test Plan and Constructional Data Form

Attendance
Test will be: ☐ Attended by the customer ☐ Unattended by the customer
Failure - Complete this section if testing will not be attended by the customer.
If a failure occurs, TÜV SÜD America should: ☐ Call contact listed above, if not available then stop testing. (After hrs phone): (34)637 161 976 ☐ Continue testing to complete test series. ☐ Continue testing to define corrective action. ☐ Stop testing.
EUT Specifications and Requirements
XX with Length: 85 cm Width: 8.0 cm Height: 3.6 cm Weight: battery
Power Requirements
Regulations require testing to be performed at typical power ratings in the countries of intended use. (i.e., European power is typically 230 VAC 50 Hz or 400 VAC 50 Hz, single and three phase, respectively)
Voltage: 9.6 V via (If battery powered, make sure battery life is sufficient to complete testing.) rech.Batteries
of Phases:
Current Current (Amps/phase(max)): (Amps/phase(nominal)):
Other Battery current nominal 500 mA
Other Special Requirements
None
Typical Installation and/or Operating Environment
(ie. Hospital, Small Business, Industrial/Factory, etc.) Outdoor use as microchip tag finder
EUT Power Cable
 □ Permanent OR □ Removable Length (in meters): □ Shielded OR □ Unshielded ⋈ Not Applicable

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EUT Interfac	e Po	orts	ar	nd C	able	s				_				
			Du Te	ring est	,		;	Shielding				sted rs)	ple	ent
Туре	Analog	Digital	Active	Passive	Qty	Yes	8	Туре	Termination	Connector Type	Port Termination	Length tested (in meters)	Removable	Permanent
EXAMPLE: RS232		×	×		2	×		Foil over braid	Coaxial	Metallized 9- pin D-Sub	Characteristic Impedance	6	×	
USB					1		\boxtimes			Mini	Standard			\boxtimes
Bluetooth					1									\boxtimes

EUT Software.



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	REV 0			
Description:	M350 S/W			
It is recommended to peripherals requires firmware, and PLD a	ne equipment be tested while that a simple program genera	operating in a typic te a complete line o ent. List all code m	al operation mode. FCC of upper case H's. Provi odules as described ab	perating modes to be used during test. It testing of personal computers and/or de a general description of all software ove, with the revision level used during quired.
By temp "Readin shut off the tag	orarely depressing the f g". It will stay in this mod if no tag is found near it	ront button, the de for 30 secon . If a tag is foun removed from t	e reader will will been ad (programmeable ad the reader will keen the reading range the addingtrange to a reading range t	ne called "Reading mode" ep and show in the display up to 2 minutes) and will eep beeping and displaying he buzzer will stop and after
2.	,		,	
3.				
0.				
Equipment Und	der Test (EUT) System	Components -	- List and describe all c	components which are part of the EUT.
For FCC & Taiwan to	esting a minimum configuratio	Components - n is required. (ie. M	List and describe all clouse, Printer, Monitor, Serial #	components which are part of the EUT. External Disk Drive, Motherboard, etc) FCC ID #
For FCC & Taiwan to	esting a minimum configuratio	n is required. (ie. M	louse, Printer, Monitor,	External Disk Drive, Motherboard, etc)
For FCC & Taiwan to	esting a minimum configuratio	n is required. (ie. M	louse, Printer, Monitor,	External Disk Drive, Motherboard, etc)
For FCC & Taiwan to	esting a minimum configuratio	n is required. (ie. M	louse, Printer, Monitor,	External Disk Drive, Motherboard, etc)
For FCC & Taiwan to	esting a minimum configuratio	n is required. (ie. M	louse, Printer, Monitor,	External Disk Drive, Motherboard, etc)
For FCC & Taiwan to	esting a minimum configuratio	n is required. (ie. M	louse, Printer, Monitor,	External Disk Drive, Motherboard, etc)
Equipment Unc For FCC & Taiwan to Description	esting a minimum configuratio	n is required. (ie. M	louse, Printer, Monitor,	External Disk Drive, Motherboard, etc)
For FCC & Taiwan to	esting a minimum configuratio	n is required. (ie. M	louse, Printer, Monitor,	External Disk Drive, Motherboard, etc)
For FCC & Taiwan to	esting a minimum configuratio	n is required. (ie. M	louse, Printer, Monitor,	External Disk Drive, Motherboard, etc)

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Support Equ This information i	ipment List ar s required for FCC	nd describe all supp & Taiwan testing.	oort equipme	nt which is not pa	art of the EUT. (i.e. peripherals, simulators, etc)
Description	•	Model #		Serial #	FCC ID #
Oscillator Fro	eauencies				
		Derived	_		
Manufacturer	Frequency	Frequency	Componer	nt # / Location	Description of Use
Power Suppl				_	
Manufacturer	Model #	Serial :	#	Туре	
				Switche Linear	d-mode: (Frequency) Other:
				 _	
				Switche	d-mode: (Frequency)
Power Line F	ilters				
Manufacturer	_ <i>M</i>	lodel #		Location in EU	JT



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Description	Manufacturer	Part # or Value	Qty	Component # / Location
]	
MC Critical Deta	ail Describe other EMC Desig	n details used to reduce hid	gh frequenc	y noise.
EASE ENITED I	NAMES BELOW (INSERT	ELECTRONIC SIGN	ATI IDE IE	DOSSIBI E)
	gnature Required if a Th			,
utilorization (Si	gnature Required if a fr	ind Party Certification	JII IS CITE	skeu on pg 1)
	orization to perform tests	Date		
according to th	is test plan.			
Test Plan/CDF	Prepared By (please print)	 Date		

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