

FCC TEST REPORT

FCC 47 CFR Part 15C Industry Canada RSS-210

Operation within the 13.110 - 14.010 MHz band

Testing Laboratory: Eurofins Product Service GmbH

Address.....: Storkower Str. 38c

15526 Reichenwalde

Germany

Accreditation:





A2LA Accredited Testing Laboratory, Certificate No.: 1983.01

FCC Filed Test Laboratory, Reg.-No.: 96970 IC OATS Filing assigned code: 3470A

Applicant's name Roth & Rau - Ortner GmbH

Address: Manfred-von-Ardenne-Ring 7

01099 Dresden GERMANY

Test specification:

Standard 47 CFR Part 15C

RSS-210, Issue 8, 2010-12 RSS-Gen, Issue 4, 2014-11

ANSI C63.4:2014

Test scope.....: complete Radio compliance test

Equipment under test (EUT):

Product description RFID reader with CAN interface

Model No. HF-CAN-M

Additional Model(s)

Brand Name(s)

Hardware version

None

2.0

Firmware / Software version HF CANopen reader trampoline 0x80008000 11.02.2015

FCC-ID: YTV-HF-1356-CAN IC: N/A

Test result Passed

Test Report No.: G0M-1502-4515-TFC225RI-V01



Possible test case verdicts: - neither assessed nor tested: - required by standard but not appl. to test object.....: N/A - required by standard but not tested...... N/T - not required by standard for the test object N/R - test object does meet the requirement...... P (Pass) - test object does not meet the requirement...... F (Fail) Testing: Test Lab Temperature 20 – 23 °C Date (s) of performance of tests 2015-04-26 Compiled by Christian Weber (Responsible for Test) Approved by (+ signature): Christian Weber Date of issue 2015-08-31 Total number of pages: 38

General remarks:

The test results presented in this report relate only to the object tested.

The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

Additional comments:



Version History

Version	Issue Date	Remarks	Revised by
01	2015-08-31	Initial Release	



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1 Equipment (Test item) Description

Description	RFID reader wi	th C	AN interface	
Model	HF-CAN-M			
Additional Model(s)	None			
Brand Name(s)	None			
Serial number	RRO9xxxxx			
Hardware version	2.0			
Software / Firmware version	HF CANopen re	eade	r trampoline 0x80008000 11.02.2015	
FCC-ID	YTV-HF-1356-0	CAN		
IC	N/A			
Equipment type	End product			
Radio type	Transceiver			
Radio technology	13.56 MHz RFI	D		
Operating frequency range	13.56 MHz			
Assigned frequency band	13.110 - 14.010 MHz			
Frequency range	F _{MID} 13.56 MHz			
Spreading	None			
Modulations	ASK			
Number of channels	1			
Channel spacing	None			
Number of antennas	1			
	Туре	exte	ernal dedicated	
Antenna Variant	Model	printed loop antenna		
	Manufacturer	met	raTec	
	Туре	exte	ernal dedicated	
Antenna Variant	Model	loop	antenna	
	Manufacturer PRO2900197			
	Roth & Rau - Ortner GmbH			
Manufacturer	Manfred-von-A	rdenr	ne-Ring 7	
managataro.	01099 Dresden			
	GERMANY			
	V _{NOM}		24.0 VDC	
Power supply	V _{MIN}		20.4 VAC	
	V _{MAX}		27.6 VDC	
	T _{NOM}		20°C	
Temperatures	T _{MIN}		-20°C	
	T _{MAX}		50°C	

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Product Service

	Model	SYS1308-2424-W2E
AC/DC-Adaptor	Vendor	Dehner Elektronik
ACIDC-Adaptor	Input	100-240VAC / 50-60Hz
	Output	24VDC / 1.0A

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1.4 Supporting Equipment Used During Testing

Product Type*	Device	Manufacturer	Model No.	Comments
AE	Laptop	Lenovo	R61	EUT control
AE	Can Converter	Roth & Rau	CAN2WEB	

*Note: Use the following abbreviations:

AE : Auxiliary/Associated Equipment, or SIM : Simulator (Not Subjected to Test)

CABL: Connecting cables



1.5 Test Modes

Mode #	Description				
	General conditions:	EUT powered by ac-mains			
Single	Radio conditions:	Mode = standalone transmit Modulation = ASK Power level = Maximum			



1.6 Test Equipment Used During Testing

Measurement Software					
Description	Name	Version			
EMC Test Software	Radimation	2014.1.15			

Field strength emissions									
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due				
Semi-anechoic chamber	Frankonia	AC 1	EF00062	-	-				
Spectrum Analyzer	R&S	FSIQ26	EF00242	2015-04	2016-04				
Loop Antenna	R&S	HFH2-Z2	EF00184	2014-11	2016-11				
Biconical Antenna	R&S	HK 116	EF00012	2013-02	2016-02				
LPD Antenna	R&S	HL 223	EF00187	2014-03	2017-03				
LPD Antenna	R&S	HL 025	EF00327	2013-02	2016-02				

AC power line conducted emissions							
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due		
AMN	R&S	ESH2-Z5	EF00182	2014-11	2016-11		
AMN	R&S	ESH3-Z5	EF00036	2014-12	2016-12		
EMI Test Receiver	R&S	ESCS 30	EF00295	2014-10	2015-10		



1.7 Sample emission level calculation

The following is a description of terms and a sample calculation, as appears in the radiated emissions data table. The numbers used in the calculation are for example only. There is no direct correlation to the specific data taken for the product described in this document:

Reading:

This is the reading obtained on the spectrum analyzer in $dB\mu V$. Any external preamplifiers used are taken into account through internal analyzer settings.

A.F.:

This is the antenna factor for the receiving antenna. It is a conversion factor, which converts electric fields strengths to voltages, which can be measured directly on the spectrum analyzer. It is treated as a loss in dB. Cable losses have been included with the A.F. to simplify the calculations. The antenna factor is used in calculations as follows:

Reading on Analyzer ($dB\mu V$) + A.F. (dB) = Net field strength ($dB\mu V/m$)

Net:

This is the net field strength measurement (as shown above).

Limit:

This is the FCC Class B radiated emission limit (in units of $dB\mu V/m$). The FCC limits are given in units of $\mu V/m$. The following formula is used to convert the units of $\mu V/m$ to $dB\mu V/m$:

Limit (dB μ V/m) = 20*log (μ V/m)

Margin:

This is the margin of compliance below the FCC limit. The units are given in dB. A negative margin indicates the emission was below the limit. A positive margin indicates that the emission exceeds the limit.

Example only:

Reading + AF = Net Reading : Net reading - FCC limit = Margin $21.5 \text{ dB}\mu\text{V} + 26 \text{ dB} = 47.5 \text{ dB}\mu\text{V/m}$: $47.5 \text{ dB}\mu\text{V/m} - 57.0 \text{ dB}\mu\text{V/m} = -9.5 \text{ dB}$



2 Result Summary

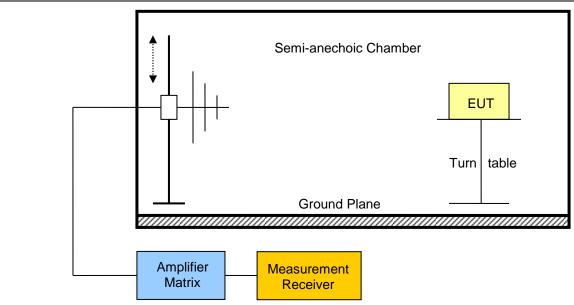
Product Specific Standard Section	Requirement – Test	Reference Method	Result	Remarks
RSS-Gen 6.6	Occupied Bandwidth	RSS-Gen 6.6	N/T	
FCC 15.225(a-c) IC RSS-210 A2.6(a-c)	Fundamental in-band field strength emissions	ANSI C63.4	PASS	
FCC 15.225(d) FCC 15.209 IC RSS-210 A2.6(d)	Emission radiated outside the specified frequency band	ANSI C63.4	PASS	
FCC 15.225(e) IC RSS-210 A2.6	Frequency stability	ANSI C63.4	PASS	
IC RSS-Gen 4.10 IC RSS-Gen 7.1	Receiver radiated spurious emissions	ANSI C 63.4	N/T	
47 CFR 15.207 RSS-Gen 8.8	AC power line conducted emissions	ANSI C63.4	PASS	



3 Test Conditions and Results

3.1 Test Conditions and Results - Fundamental in-band field strength emissions

Test according referenced standards		Reference Method			
		FCC 15.225(a-c) / IC RS	SS-210 A2.6(a-c)		
Test according	to	Reference M	ethod		
measurement refe	rence	ANSI C63	3.4		
Test frequency respect		Tested freque	encies		
Test frequency range		F _{MID}			
EUT test mod	е	Single			
	L	imits			
requency range [MHz]	Limit [µV/m]	Limit [dBµV/m]	Limit Distance [m]		
13.553 – 13.567	15848	84	30		
13.410 – 13.553 13.567 – 13.710	334	50.5	30		
13.110 – 13.410 13.710 – 14.010	106	40.5	30		
	Tes	st setup			



Test procedure

- 1. EUT set to test mode
- 2. Span it set according to measurement range
- 3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector
- 4. Below 30MHz and extrapolation factor of 40dB/decade is used and at 30MHz and above an extrapolation factor of 20dB/decade is used (47 CRF 15.31(f)).



Product Service

	Test results Automo DD0000407								
	Test results – Antenna RRO2900197								
Channel	Frequency [MHz]	Emission [MHz]	Level @ 30m [dbµV/m]	Det.	Limit @ 30m [dbµV/m]	Measurement distance [m]*	Margin [dB]		
F _{MID}	13.56	13.562	34.6	pk	84	3			
	Test results – Antenna MetraTec								
Channel Frequency Emission Level @ 30m Det. Limit @ 30m Measurement Mar [dbµV/m] Det. Limit @ 30m distance [m]* [dbpv/m]									
F _{MID}	13.56	13.562	56.5	pk	84	3			
Comments:	Comments: * Physical distance between EUT and measurement antenna. See Annex								

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3.2 Test Conditions and Results – Emissions radiated outside the specified frequency band

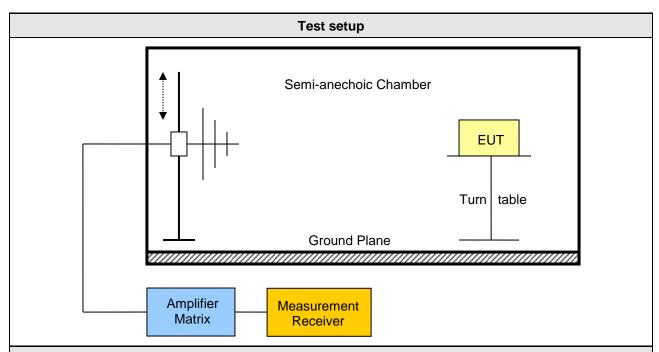
Radiated out-of-band band emissions acc. to FCC 47 CFR 15.225 / IC RSS-210 Verdict: PASS						
Test according referenced standards		Reference Method				
		FCC 15.225(d) / IC RSS-210 A2.6(d)				
Test according to measurement reference		Reference Method				
		ANSI C63.4				
Test frequency range		Tested frequencies				
		9 kHz – 216 MHz				
EUT test mode		Single				
Limits						
Frequency range [MHz]	Detector	Limit [µV/m]	Limit [dBµV/m]	Limit Distance [m]		
0.009 - 0.490	Quasi-Peak	2400/F[kHz]	48.5 – 13.8	300		
0.490 – 1.705	Quasi-Peak	2400/F[kHz]	13.8 – 2.97	30		
1.705 – 30	Quasi-Peak	30	29.5	30		
30 – 88	Quasi-Peak	100	40	3		
88 – 216	Quasi-Peak	150	43.5	3		

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.

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Product Service



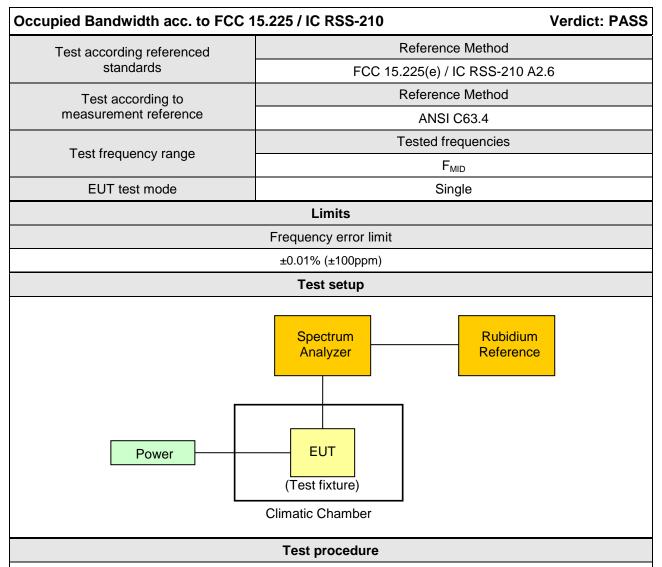
Test procedure

- 1. EUT set to test mode
- 2. Span it set according to measurement range
- 3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz
- 4. Markers are set to maximum emission levels

Test results – Antenna MetraTec								
Channel	Frequency [MHz]	Emission [MHz]	Level [dbµV/m]	Detector	Pol.	Limit [dbµV/m]	Limit distance [m]*	Margin [dB]
F _{MID}	13.56	6.951	22.00	pk	N/A	29.50	30	-07.48
F _{MID}	13.56	143.9	36.00	pk	Hor	43.50	3	-07.50
Test results – Antenna RRO2900197								
Channel	Frequency [MHz]	Emission [MHz]	Level [dbµV/m]	Detector	Pol.	Limit [dbµV/m]	Limit distance [m]*	Margin [dB]
F _{MID}	13.56	67.74	36.15	pk	ver	40.00	3	-03.85
F _{MID}	13.56	67.74	30.90	pk	hor	40.00	3	-09.10
F _{MID}	13.56	143.9	37.07	pk	ver	43.50	3	-06.43
Comments: * Physical distance between EUT and measurement antenna.								



3.3 Test Conditions and Results - Frequency stability



- 1. EUT set to test mode
- 2. The ambient temperature and supply voltage is set according to measurement conditions
- 3. Span is set to capture fundamental emission
- 4. Frequency error is measured with frequency counter measurement function



Product Service

Test results							
Channel	Frequency [MHz]	Temp.	Voltage	Measured Frequency [MHz]	Error [ppm]		
F_{MID}	13.56	$T_{nom} = 20$ °C	$V_{nom} = 24.0 \text{ VDC}$	13.561245	91.81		
F _{MID}	13.56	$T_{nom} = 20$ °C	$V_{min} = 20.4 \text{ VAC}$	13.561248	92.04		
F_{MID}	13.56	$T_{nom} = 20$ °C	$V_{max} = 27.6 \text{ VDC}$	13.561241	91.52		
F _{MID}	13.56	$T_{min} = -20$ °C	$V_{nom} = 24.0 \text{ VDC}$	13.561267	93.44		
F_{MID}	13.56	$T_{min} = -10$ °C	$V_{nom} = 24.0 \text{ VDC}$	13.561267	93.44		
F_{MID}	13.56	$T_{min} = 0$ °C	$V_{nom} = 24.0 \text{ VDC}$	13.561270	93.66		
F _{MID}	13.56	$T_{min} = 10^{\circ}C$	$V_{nom} = 24.0 \text{ VDC}$	13.561263	93.14		
F _{MID}	13.56	T _{min} = 30°C	$V_{nom} = 24.0 \text{ VDC}$	13.561222	90.12		
F _{MID}	13.56	$T_{min} = 40^{\circ}C$	$V_{nom} = 24.0 \text{ VDC}$	13.561182	87.17		
F _{MID}	13.56	T _{max} =50°C	V _{nom} = 24.0 VDC	13.561160	85.55		
Comments:							



3.4 Test Conditions and Results – AC power line conducted emissions

Power line conducted emissions acc. to FCC 47 CFR 15.207 / IC RSS-Gen Verdict: PAS							
Test according referenced standards		Reference Method					
		ANSI C63.4					
Fully configured sample scanned over the following frequency range		Frequency range					
		0.15 MHz to 30 MHz					
Points of Application		Application Interface					
AC Mains		LISN					
EUT test mode		AC-Powerline					
Limits and results							
Frequency [MHz]	Quasi-Peak [dBµV]		Result	Average [dBµV]	Result		
0.15 to 5	66 to 56*		PASS	56 to 46*	PASS		
0.5 to 5	56		PASS	46	PASS		
5 to 30	60		PASS	50	PASS		
Comments: * Limit decreases linearly with the logarithm of the frequency.							



EMI voltage test in the ac-mains according to FCC Part 15b

Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

Operator: Mr. Pflug

Test Conditions: Tnom: 23°C, Unom: 120VAC

LISN: ESH2-Z5 N

Mode: CAN-link with metraTec-antenna

Test Date: 2015-03-13





EMI voltage test in the ac-mains according to FCC Part 15b

Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

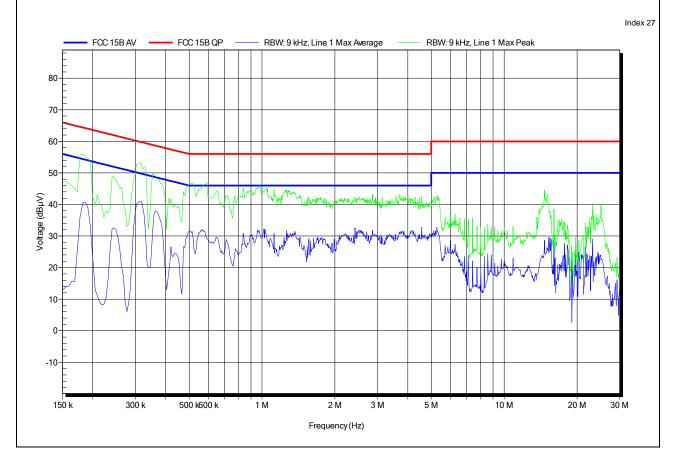
Operator: Mr. Pflug

Test Conditions: Tnom: 23°C, Unom: 120VAC

LISN: ESH2-Z5 L

Mode: CAN-link with metraTec-antenna

Test Date: 2015-03-13





EMI voltage test in the ac-mains according to FCC Part 15b

Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

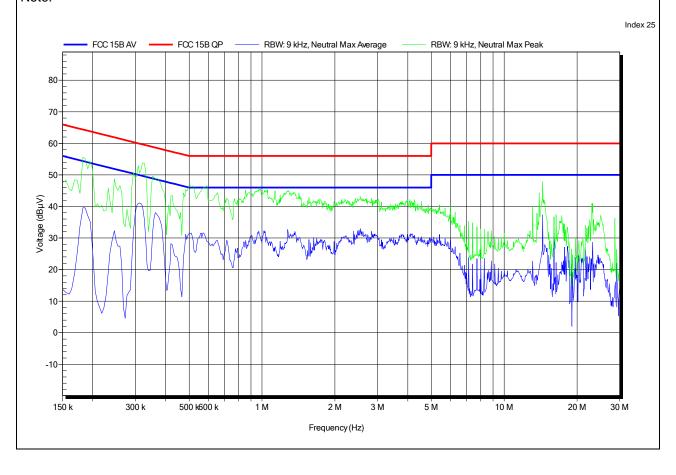
Operator: Mr. Pflug

Test Conditions: Tnom: 23°C, Unom: 120VAC

LISN: ESH2-Z5 N

Mode: CAN-link with RRO2900197-antenna

Test Date: 2015-03-13





EMI voltage test in the ac-mains according to FCC Part 15b

Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

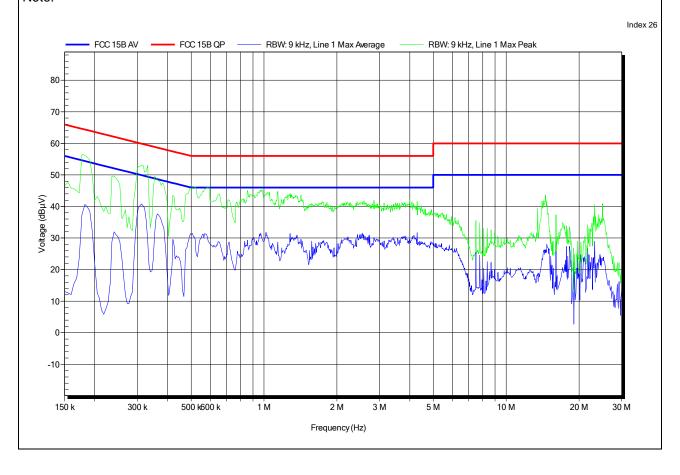
Operator: Mr. Pflug

Test Conditions: Tnom: 23°C, Unom: 120VAC

LISN: ESH2-Z5 L

Mode: CAN-link with RRO2900197-antenna

Test Date: 2015-03-13





ANNEX A Transmitter in-band emissions

Spurious emissions according to FCC 15.225

Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

Operator: C. Weber

Test Conditions: Tnom: 24°C, Vnom: 24 VDC (via dedicated AC/DC-adaptor)

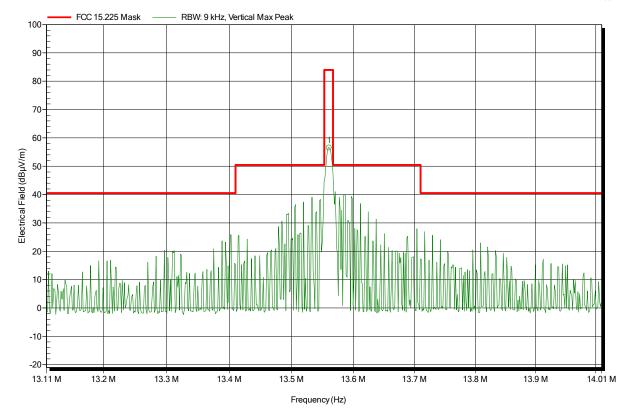
Antenna: Rohde & Schwarz HFH 2-Z2
Measurement distance: 3 m converted to 30 m
Mode: TX; RFID 13.56 MHz

Test Date: 2015-05-21

Note: Antenna MetraTec with 3m cable, Antenna vertical, EUT horizontal,

measured with Tag next to Antenna, continuously reading

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Frequency 13.561 MHz Peak 56.5 dBµV/m



Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

Operator: C. Weber

Test Conditions: Tnom: 24°C, Vnom: 24 VDC (via dedicated AC/DC-adaptor)

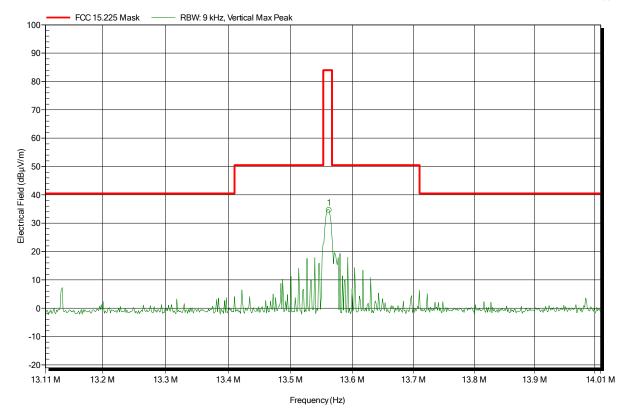
Antenna: Rohde & Schwarz HFH 2-Z2
Measurement distance: 3 m converted to 30 m
Mode: TX; RFID 13.56 MHz

Test Date: 2015-05-21

Note: Antenna RRO2900197, Antenna vertical, EUT horizontal, measured

with Tag next to Antenna, continuously reading

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Frequency 13.562 MHz Peak 34.6 dBµV/m



ANNEX B Transmitter radiated spurious emissions

Spurious emissions according to FCC 15.225

Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

Operator: C. Weber

Test Conditions: Tnom: 24°C, Vnom: 24 VDC (via dedicated AC/DC-adaptor)

Antenna: Rohde & Schwarz HFH 2-Z2
Measurement distance: 3 m converted to 300 m
Mode: TX; RFID 13.56 MHz

Test Date: 2015-05-21

Note: Antenna MetraTec with 3m cable, Antenna vertical, EUT horizontal,

measured with Tag next to Antenna, continuously reading

Index 5 FCC 15.209 QP1 FCC 15 209 AV2 RBW: 9 kHz, Vertical Max Average FCC 15 209 AV1 RBW: 200 Hz, Vertical Max Average RBW: 200 Hz, Vertical Max Peak 60 40 20 Electrical Field (dBμV/m) -40 -60 -80 30 k 100 k 200 k 300 k Frequency (Hz)



Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

Operator: C. Weber

Test Conditions: Tnom: 24°C, Vnom: 24 VDC (via dedicated AC/DC-adaptor)

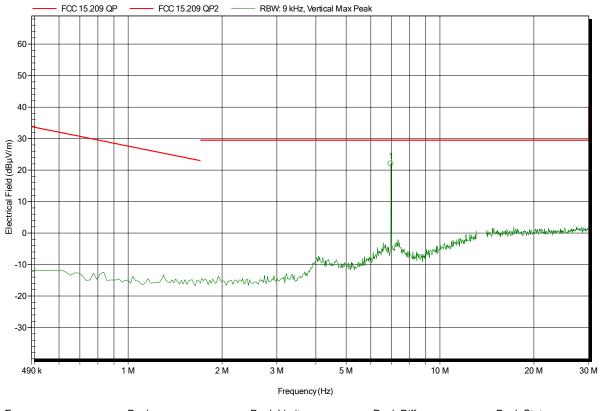
Antenna: Rohde & Schwarz HFH 2-Z2
Measurement distance: 3 m converted to 30 m
Mode: TX; RFID 13.56 MHz

Test Date: 2015-05-21

Note: Antenna MetraTec with 3m cable, Antenna vertical, EUT horizontal,

measured with Tag next to Antenna, continuously reading

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Frequency 6.951 MHz Peak 22 dBµV/m Peak Limit 29.5 dBµV/m Peak Difference -7.48 dB Peak Status Pass



Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

Operator: C. Weber

Test Conditions: Tnom: 24°C, Vnom: 24 VDC (via dedicated AC/DC-adaptor)

Antenna: Rohde & Schwarz HK 116, Vertical

Measurement distance: 3 m

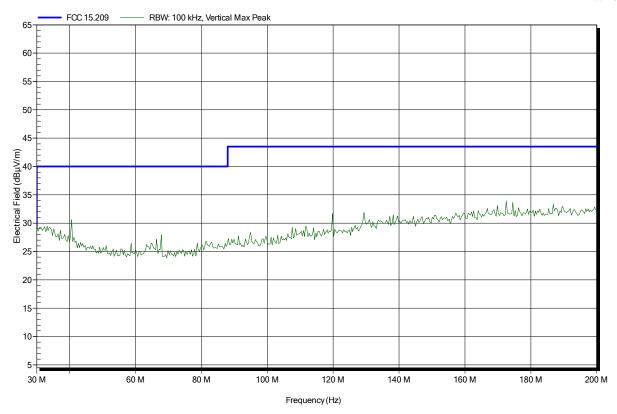
Mode: RX; RFID 13.56 MHz

Test Date: 2015-05-21

Note: Antenna MetraTec with 3m cable, Antenna vertical, EUT horizontal,

measured with Tag next to Antenna, continuously reading

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Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

Operator: C. Weber

Test Conditions: Tnom: 24°C, Vnom: 24 VDC (via dedicated AC/DC-adaptor)

Antenna: Rohde & Schwarz HK 116, Horizontal

Measurement distance: 3 m

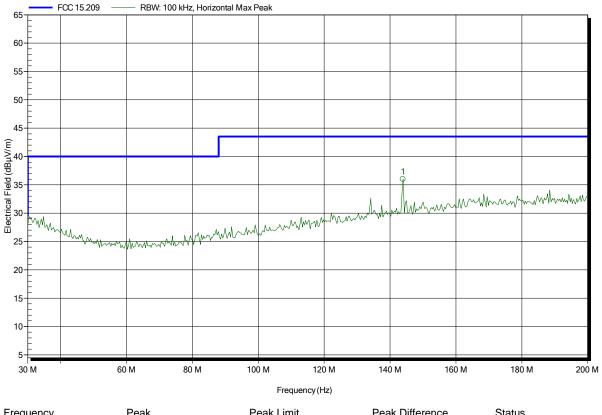
Mode: RX; RFID 13.56 MHz

Test Date: 2015-05-21

Note: Antenna MetraTec with 3m cable, Antenna vertical, EUT horizontal,

measured with Tag next to Antenna, continuously reading

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Frequency Peak Peak Limit Peak Difference Status 143.9 MHz 36 dB μ V/m 43.5 dB μ V/m -7.5 dB Pass



Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

Operator: C. Weber

Test Conditions: Tnom: 24°C, Vnom: 24 VDC (via dedicated AC/DC-adaptor)

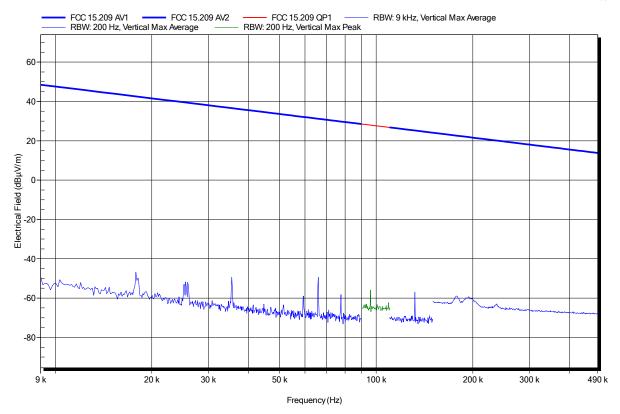
Antenna: Rohde & Schwarz HFH 2-Z2
Measurement distance: 3 m converted to 300 m
Mode: TX; RFID 13.56 MHz

Test Date: 2015-05-21

Note: Antenna RRO2900197, Antenna vertical, EUT horizontal, measured

with Tag next to Antenna, continuously reading

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Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

Operator: C. Weber

Test Conditions: Tnom: 24°C, Vnom: 24 VDC (via dedicated AC/DC-adaptor)

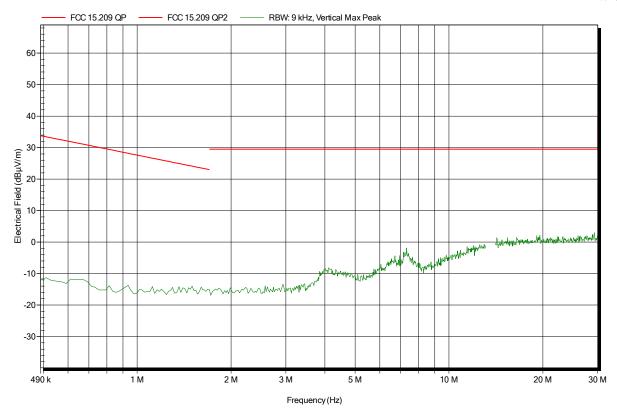
Antenna: Rohde & Schwarz HFH 2-Z2
Measurement distance: 3 m converted to 30 m
Mode: TX; RFID 13.56 MHz

Test Date: 2015-05-21

Note: Antenna RRO2900197, Antenna vertical, EUT horizontal, measured

with Tag next to Antenna, continuously reading

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Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

Operator: C. Weber

Test Conditions: Tnom: 24°C, Vnom: 24 VDC (via dedicated AC/DC-adaptor)

Antenna: Rohde & Schwarz HK 116, Vertical

Measurement distance: 3 m

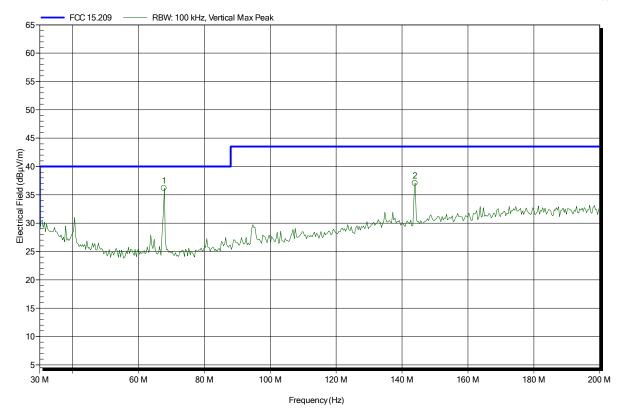
Mode: RX; RFID 13.56 MHz

Test Date: 2015-05-21

Note: Antenna RRO2900197, Antenna vertical, EUT horizontal, measured

with Tag next to Antenna, continuously reading

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Frequency Peak Peak Limit Peak Difference Status 67.74 MHz $36.15 \text{ dB}\mu\text{V/m}$ $40 \text{ dB}\mu\text{V/m}$ -3.85 dB Pass 143.9 MHz $37.07 \text{ dB}\mu\text{V/m}$ $43.5 \text{ dB}\mu\text{V/m}$ -6.43 dB Pass



Project number: G0M-1502-4515

Applicant: Roth & Rau - Ortner GmbH EUT Name: RFID reader with CAN interface

Model: HF-CAN-M

Test Site: Eurofins Product Service GmbH

Operator: C. Weber

Test Conditions: Tnom: 24°C, Vnom: 24 VDC (via dedicated AC/DC-adaptor)

Antenna: Rohde & Schwarz HK 116, Horizontal

Measurement distance: 3 m

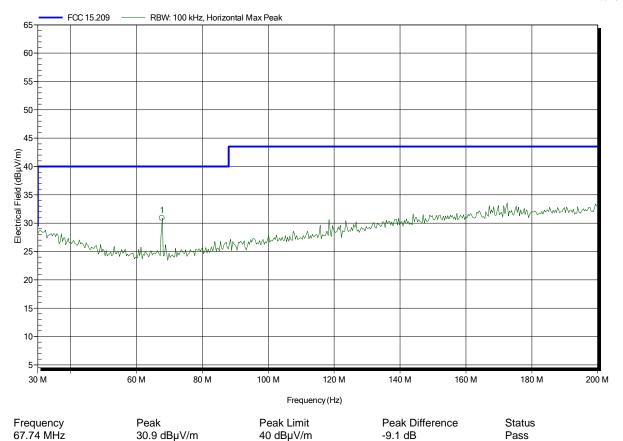
Mode: RX; RFID 13.56 MHz

Test Date: 2015-05-21

Note: Antenna RRO2900197, Antenna vertical, EUT horizontal, measured

with Tag next to Antenna, continuously reading

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