





# **TEST REPORT**

# **Electromagnetic Compatibility**

 Report Reference No. .....:
 REP009252

 Date of issue ......:
 2023-03-30

Test Report Verdict ...... PASS

Testing Laboratory.....: Nemko S.p.A.

Address....: Via Del Carroccio, 4

City ...... 20853 Biassono (MB)

Country .....: Italy

Testing location.....: Described at clause 1.4

Customer name.....: TEXA S.p.A.

Customer information.....: Via I Maggio 9 31050 Monastier di Treviso TV - Italy

Reference standards...... FCC CFR 47 Part 15 Subpart B

Standard application ...... Full application

Equipment under test .....: Vehicle diagnostic system with Bluetooth connectivity

Trademark(s) .....: TEXA

Manufacturer...... TEXA S.p.A.

Tests performed by ...... D. Guarnone

Report approved by...... P. Barbieri

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#### 1. GENERAL INFORMATION

#### 1.1 Project history

Report number	Modification to the report / comments	Date
REP009252	First release	2023-03-30
	<del></del>	

## 1.2 Symbol used in the report

⊠:	The crossed square indicates that the listed condition, standard or equipment is applicable for this report.
· :	The empty square indicates that the listed condition, standard or equipment is not applicable for this report.
NP (Not performed):	Test case not performed according to customer request
N (Not applicable):	Test case does not apply to the test object
P (Pass):	Test object does meet the requirement
F (Fail):	Test object does not meet the requirement
☐ Comma (,) / ⊠ Dot (.):	Symbol used as decimal separator throughout this report
Asterisk (*):	Symbol used to indicate a standard or a test not accredited by ACCREDIA
EUT::	

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

## 1.3 Date of sample(s) reception and tests

Date of receipt of test sample(s):	2023-01-26
Testing start date:	2023-03-27
Testing termination date:	2023-03-30

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#### 1.4 Testing location

The tests have been performed in the place indicated below:		
oxtimes Nemko premises location:	Nemko S.p.A.	
	Via Del Carroccio, 4	
	20853 Biassono (MB) - Italy	
	FCC site number: 682159	
☐ Other location:		

#### 1.5 Environmental conditions

The tests were carried out in the ranges of environmental conditions specified below:

Ambient temperature ...... 18-33 °C <sup>1</sup>

Relative Humidity ...... 25-70 % <sup>2</sup>

Atmospheric pressure ...... 860-1060 hPa

#### Notes:

<sup>1</sup> For luminaire, temperature during tests was verified to be within 18 ÷ 30 °C

The following instruments are used to monitor the environmental conditions:

Equipment	Trademark	Model	Serial No.
Thermo-hygrometer	Testo	175-H2	20012380/305
Thermo-hygrometer	Testo	175-H2	38203337/703
Barometer	Castle	GPB 3300	072015

## 1.6 Measurement uncertainty and assessment of conformity

The measurement uncertainty was calculated for each test and quantity listed in this test report, according to CISPR 16-4-2 and other specific test standard and is documented in Nemko Spa working manual WML1002. The assessment of conformity for each test performed on the equipment is performed not taking into account the measurement uncertainty. The two following possible verdicts are stated in the report:

P (Pass) - The measured values of the equipment respect the specification limit at the points tested. The specific risk of false accept is up to 50% when the measured result is close to the limit.

F (Fail) - One or more measured values of the equipment do not respect the specification limit at the points tested. The specific risk of false reject is up to 50% when the measured result is close to the limit.

Hereafter Nemko's measurement uncertainties are reported:

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<sup>&</sup>lt;sup>2</sup> During ESD test, humidity was verified to be within 30 ÷ 60 %







Test	Range	Measurement Uncertainty	Notes
	Antenna distance 1 m, 3 m, 10 m 0.009 ÷ 200 MHz	5.0 dB	(1)
	Antenna distance 1 m, 3 m, 10 m 200 ÷ 1000 MHz	5.2 dB	(1)
Radiated Disturbance	Antenna distance 1 m, 3 m, 10 m 1 ÷ 6 GHz	5.2 dB	(1)
	Antenna distance 1 m, 3 m 6 ÷ 18 GHz	5.5 dB	(1)
	Antenna distance 1 m, 3 m 18 ÷ 40 GHz	7.2 dB	(1)
Radiated Disturbance with large loop antenna system (LLAS)	0.009 ÷ 30 MHz	3.3 dB	(1)
	0.02 ÷ 150 kHz with AMN	3.8 dB	(1)
	150 kHz ÷ 30 MHz with AMN	3.4 dB	(1)
Conducted Disturbance	150 kHz ÷ 30 MHz with AAN	4.6 dB	(1)
	9 kHz ÷ 30 MHz with voltage probe	2.9 dB	(1)
	150 kHz ÷ 30 MHz with current probe	2.9 dB	(1)
Fraguency	10 Hz ÷ 1 kHz	0.2 %	(1)
Frequency	1 kHz ÷ 40 GHz	10 <sup>-6</sup>	(1)
Electromagnetic fields (EMF)  Magnetic, Electric and Electromagnetic fields: 0 Hz  ÷ 40 GHz		25 %	(1)
Electrical quantities (voltage, current, resistance)	AC/DC Voltage 10 mV ÷ 1000 V 0÷100 kHz AC/DC Current 0.1 mA ÷ 400 A 0÷1 kHz Resistance 100 mΩ ÷ 10 MΩ	2.5 %	(1)

#### NOTES:

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<sup>(1)</sup> The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k = 2, which for a normal distribution corresponds to a coverage probability of approximately 95 % (2) The instruments used for this immunity test is according to the tolerances requested by the applicable standard (3) The reported expanded uncertainty of measurement is related to the stimulus quantity







#### 1.7 Instruments calibration table

Instrument cited in the report and not listed in this paragraph are not subject to calibration. The calibration is valid up to the last day of the due date month.

Description	Manufacturer	Model	Identifier	Cal Date	Due Date
EMI Receiver	Rohde & Schwarz	ESW44	101620	2022-08	2023-08
EMI Receiver	Rohde & Schwarz	ESU8	100202	2022-09	2023-09
Antenna Trilog 25MHz - 8GHz	Schwarzbeck Mess- Elektronik	VULB9162	9162-025	2021-07	2024-07
Antenna Trilog 25-2000 MHz	Schwarzbeck Mess- Elektronik	VULB9168	9168-242	2021-06	2024-06
Antenna 1 - 18 GHz	Schwarzbeck Mess- Elektronik	STLP9148	STLP 9148-152	2021-09	2024-09
Antenna 1 - 18 GHz	Schwarzbeck Mess- Elektronik	STLP9148	STPL 9148-123	2021-06	2024-06
Double Ridge Horn Antenna	RFSpin	DRH40	061106A40	2020-04	2023-04
Broadband Bench Top Amplifier	Sage	STB-1834034030- KFKF-L1	18490-01	2022-05	2023-05
Broadband Amplifier	Schwarzbeck Mess- Elektronik	BBV9718C	00121	2022-03	2023-03
Preamplifier	Schwarzbeck Mess- Elektronik	BBV9718	BBV9718-137	2022-04	2023-04
Semi-anechoic chamber	Nemko S.p.a.	10m semi-anechoic chamber	530	2021-09	2023-09
Common Mode Absorption Device	Schwarzbeck Mess- Elektronik	CMAD1614	00041	2022-05	2023-05
LISN	Rohde & Schwarz	ENV432	101714	2022-08	2023-08
LISN	Rohde & Schwarz	ESH2-Z5	872 460/041	2022-10	2023-10
V-network	Rohde & Schwarz	ESH3-Z5	840 731/004	2022-08	2023-08
Oscilloscope	Agilent	54846A	MY40000254	2022-07	2023-07
Multimeter	Rohde & Schwarz	HMC8012	101577	2022-07	2023-07
Barometer	Castle	GBP 3300	072015	2022-04	2023-04
Data logger con diagnosi in campo	Testo	175-H2	20012380/305	2022-12	2024-12
Data logger con diagnosi in campo	Testo	175-H2	38203337/703	2022-12	2024-12
Attenuator	Aeroflex / Weinschel	2	CC8577	2022-08	2023-08
3m Semi anechoic chamber	Comtest	SAC-3	1711-150	2022-09	2024-09

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#### 2. PRODUCT STANDARDS, TEST METHODS AND TECHNICAL PROCEDURES

#### 2.1 Standard(s) applied

The following standard(s) or specifications, accredited by ACCREDIA, were applied:

#### FCC CFR 47 Part 15 Subpart B

Code of Federal Regulations – Title 47 – Part 15 Radio Frequency Devices – Subpart B Unintentional radiators

#### 2.2 Test method(s) applied

The following documents are referred to in the standard(s) in such a way that some or all of their content constitutes requirements for the standard itself.

## ANSI C63.4 (2014)

American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

#### 2.3 Nemko technical procedures

WM L0177: General routines for using instruments at Nemko

WM L1002: Measurement Uncertainty - Policy and Statement

WM L0077: General procedure for conducting EMC tests

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## 3. SUMMARY OF TEST RESULTS AND VERDICTS

## 3.1 Measurement of electromagnetic disturbances emitted by the equipment under test

Emission Tests				
Requirement / test Method Standard Verd				
Part §15.107 – Conducted emission	ANSI C63.4	N		
Part §15.109 – Radiated emission ANSI C63.4 P				
Notes:				

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## 4. EQUIPMENT UNDER TEST

## 4.1 EUT Identification

Short description of the EUT			
Vehicle diagnostic system with Bluetooth connectivity			
<u> </u>	•		
Copy of marking p	plate(s) (if present)		
Sample ID .	TONDVOCCO		
·			
	12V dc 80 mA		
Equipment type	Electrical/electronic sub-assembly (ESA)		
Accessories and detachable parts included:	Antenna		
Test performed:	All tests were performed on this sample		
Software and/or firmware information:	See copy of marking plate		
Product variants not tested or partially tested:			
Accessories and detachable parts included:  Test performed:  Software and/or firmware information:	Electrical/electronic sub-assembly (ESA) Antenna All tests were performed on this sample		

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## 4.2 EUT Power Supply

Used <sup>1</sup>	N° ²	Туре	Supply Voltage	Phases N°	Supplementary Information
×	1	DC	13.5 V		without external earth connection

#### Notes:

#### 4.3 EUT Information declared by the Customer <sup>1</sup>

Information	Declaration
EUT highest frequency <sup>2</sup> :	fc > 1000 MHz
Environment intended use:	Other
Functional status for systems <sup>3</sup> :	With immunity related functions
Ground connection:	Negative to ground

#### Notes:

#### 4.4 EUT Operation Modes

N°	Emission	Immunity	Description
1	$\boxtimes$	$\boxtimes$	Simulation mode with the "DongleTest" application
Notes:			

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<sup>&</sup>lt;sup>1</sup> The crossed square indicates that the supply voltage is used in at least one test.

<sup>&</sup>lt;sup>2</sup> This number will be used all over the report to identify the supply voltage(s) used for each test.

<sup>&</sup>lt;sup>1</sup> Nemko S.p.A. declines all responsibility for the information above declared by the customer that may influence the validity of the results contained in this test report.

<sup>&</sup>lt;sup>2</sup> Highest frequency generated or used in the device or on which the device operates or tunes. If the clock frequency is not declared by the customer, according to the product standard(s), the worst case will be considered for each test.

<sup>&</sup>lt;sup>3</sup> Functional status definitions are specified in the standard used.







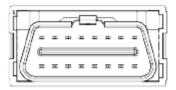
## 4.5 EUT Configuration Modes

Emission: the EUT was configured to measure its highest possible radiation level. The test modes selected are according to EUT instruction manual.

Immunity: the EUT was configured to have its highest possible susceptibility against tested phenomena. The test modes selected are according to EUT instruction manual.

N°	Emission	Immunity	Description
1		$\boxtimes$	Promer supply 13.7  E U CARLE  C ARLE  C ARLE  C ARLE  C ARLE  C ARLE  C CARLE  C C C C C CARLE  C C C C C C C C C C C C C C C C C C C
Notes	:		

## 4.6 EUT Input/Output Ports



Port	Name	Type <sup>1</sup>	Cable Max. >3m	Cable Shielded	Description
0	Enclosure	N/E	_	_	_
1	16 Pin connector	DC+I/O	$\boxtimes$		-

Notes:

<sup>1</sup> Port type:

AC = AC Power Port DC = DC Power Port N/E = Non-Electrical ANT = Antenna Port

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## 4.7 EUT and Equipment Used During Test

Use <sup>1</sup>	Product Type	Manufacturer	Model	Comments
SIM	Simulator			_
SIM	BOX			_
AE	PC	_	_	_

ΑE	PC	_	_	_
Notes:				
<sup>1</sup> Use				
EUT - Ed	quipment Under Test	SIM - Simulator (Not Subjected to Test)		
AE - Aux	ciliary/Associated Equipment (N	Not Subjected to Test)		
4.8 EUT	Electric/Block Diagram			

4.8 EUT Ele	ectric/Block Diag	gram		

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## 4.9 Information about radio module(s)

Radio module 1					
Description	Information				
Identification:	Mod: CYW20713 Trademark: CYPRESS				
Frequency band (MHz):	2400 MHz to 2483.5 MHz				
Modulation type:	Bluetooth 4.0 + EDR compliant.				
Antenna information:	2.4 GHz KYOCERA AVX's Embedded Ceramic Bluetooth/WiFi				
Other information:	1.7 dBi gain				
Notes: Single-Chip Bluetooth Transceiver and Baseband Processor					

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#### **5 TEST RESULTS**

#### 5.1 Radiated Emission

#### 5.1.1 Test result

Verdict:	⊠P	□F	$\square$ N <sup>1</sup>	□ NP
Frequency range:	30 MHz –	40000 MHz	2	
Test site:	Semi anechoic chambe			
Measurement distance:	3 m or 10	m <sup>3</sup>		

#### Notes:

- <sup>1</sup> If marked, the test is not applicable for the EUT.
- <sup>2</sup> For host products with certified modular transmitter, the frequency range of investigation of the composite system is specified by rule in Sections 15.33(a)(1) through (a)(3), or the range applicable to the digital device, as shown in Section 15.33(b)(1), whichever is the higher frequency range of investigation.
- <sup>3</sup> Test was performed at 10 m measurement distance for class A EUT in the frequency range from 30 to 1000 MHz; test was performed at 3 m measurement distance in all other cases.

#### 5.1.2 Photo documentation of the test set-up







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#### 5.1.3 Test method

Method standard is reported at par. 3.1. Measurements were made on a semi anechoic chamber. Preliminary measurements were performed at an antenna to EUT separation distance of 3 or 10 meters with the receive antenna located at a fixed height (from 1 to 4 meter) in both horizontal and vertical polarizations. Final measurements were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 meters. All frequencies were investigated in both horizontal and vertical antenna polarization, where applicable.

Receiver reading P<sub>R</sub>, reported in tables at clause 5.1.6, was achieved adjusting the input signal P<sub>IN</sub> by a correction factor CF, to take into account of the insertion loss due to cables and attenuators, the antenna factor, the external preamplifier gain. This correction factor was pre-inserted in the firmware of the receiver and was applied by the instrument during the test. The relationship between P<sub>R</sub> and P<sub>IN</sub>, expressed in dB, is:

$$P_R = P_{IN} + CF$$

#### 5.1.4 Limits for enclosure

Radiated emission <sup>1</sup>							
Frequency	Limit for Cl	lass A EUT	Limit for Class B EUT				
(MHz)	μV/m	dBμV/m	μV/m	dBμV/m			
30 to 88	90	39.0	100	40.0			
88 to 216	150	43.5	150	43.5			
216 to 960	210	46.4	200	46.0			
960 to 1000	300 <sup>2</sup>	49.5 <sup>2</sup>	500 <sup>2</sup>	54.0 <sup>2</sup>			
Above 1000 <sup>3</sup>	1000 <sup>2</sup>	59.5 <sup>2</sup>	500 <sup>2</sup>	54.0 <sup>2</sup>			

#### Notes:

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<sup>&</sup>lt;sup>1</sup> For frequency range between 30 to 1000 MHz Quasi-Peak detector is used. For frequency range above 1000 MHz Average and Peak detector are used.

<sup>&</sup>lt;sup>2</sup> Above 1000 MHz, the limit reported refers to measurement s performed with Average detector. For measurements performed with Peak detector the limit is 20 dB greater.

<sup>&</sup>lt;sup>3</sup> For Class A radiated emission above 1 GHz, a measurement distance of 3 m can be used, with the limits increased by 10 dB.







## 5.1.5 Test equipment used<sup>1</sup>

Used <sup>2</sup>	Description	Manufacturer	Model	Identifier
$\boxtimes$	SAC	Nemko Spa	10m SAC	530
$\boxtimes$	SAC	Comtest	3m SAC	1711-150
$\boxtimes$	EMI receiver	Rohde & Schwarz	ESW44	101620
	EMI receiver	R&S	ESU8	100202
$\boxtimes$	Common mode absorption device	Schwarzbeck	CMAD1614	00041
$\boxtimes$	Antenna	Schwarzbeck	VULB9162	VULB9162-025
	Antenna	Schwarzbeck	VULB9168	VULB9168-242
$\boxtimes$	Antenna	Schwarzbeck	STLP9148	STLP9148-123
	Antenna	Schwarzbeck	STLP9148	STLP9148-152
	Antenna	RF Spin	DRH40	061106A40
	Preamplifier	Schwarzbeck	BBV9718	BBV9718-137
$\boxtimes$	Preamplifier	Schwarzbeck	BBV9718C	00121
$\boxtimes$	Preamplifier	Sage	STB- 1834034030-	18490-01
$\boxtimes$	Controller for turntable and antenna mast	Maturo	FCU3.0	10041
$\boxtimes$	Tilt antenna mast	Maturo	TAM4.0-E	10042
$\boxtimes$	Turntable 4.5 t	Maturo	TT4.0-5T	2.527

#### Notes

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<sup>&</sup>lt;sup>1</sup> See clause 1.7 for calibration information.

<sup>&</sup>lt;sup>2</sup> If crossed, the instrument was used during tests.





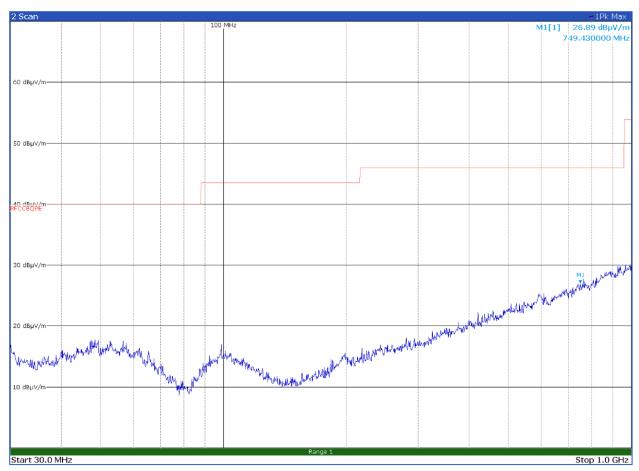


#### 5.1.7 Test protocol

Antenna	Supply	Test Mode		Remarks	Verdict
Polarization	Voltage <sup>1</sup>	Operation <sup>2</sup>	Configuration <sup>3</sup>	Remarks	verdict
Horizontal	1	1	1		Р

#### Notes:

- <sup>1</sup> See clause 4.2 EUT Power Supply
- <sup>2</sup> See clause 4.4 EUT Operation Modes
- <sup>3</sup> See clause 4.5 EUT Configuration Modes



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Frequency	Level	Limit	Margin	Detector
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	

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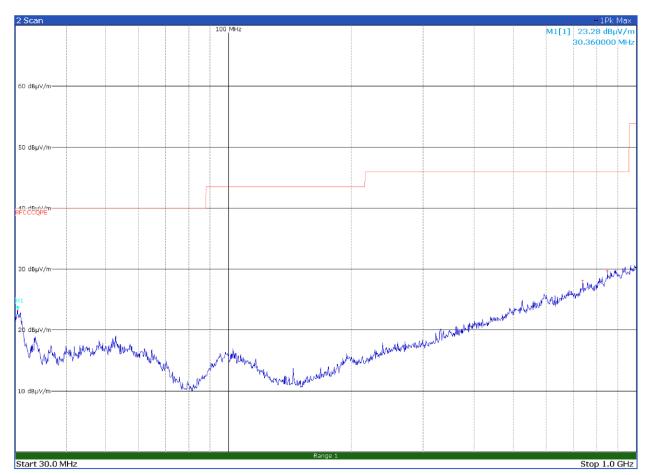




Antenna	Supply	Test Mode		Domorko	Verdict
Polarization	Voltage <sup>1</sup>	Operation <sup>2</sup>	Configuration <sup>3</sup>	Remarks	verdict
Vertical	1	1	1		Р

#### Notes:

- <sup>1</sup> See clause 4.2 EUT Power Supply
- <sup>2</sup> See clause 4.4 EUT Operation Modes
- <sup>3</sup> See clause 4.5 EUT Configuration Modes



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Frequency	Level	Limit	Margin	Detector
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	
				-

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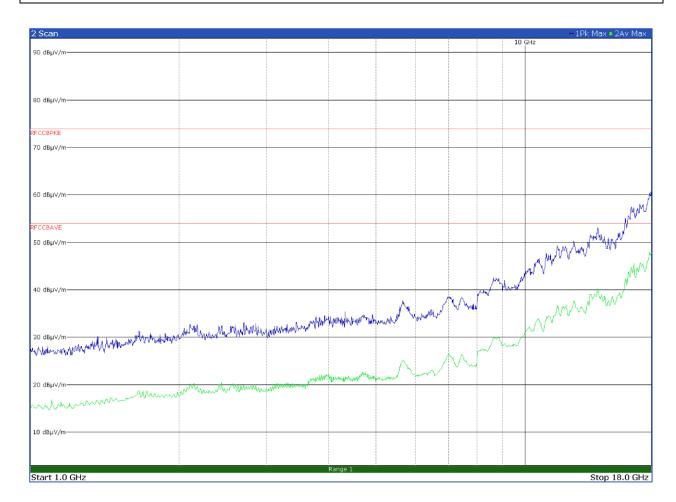




Antenna	Supply Voltage <sup>1</sup>	Test Mode		Domarko	Verdict
Polarization		Operation <sup>2</sup>	Configuration <sup>3</sup>	Remarks	verdict
Horizontal	1	1	1		Р

#### Notes:

- <sup>1</sup> See clause 4.2 EUT Power Supply
- <sup>2</sup> See clause 4.4 EUT Operation Modes
- <sup>3</sup> See clause 4.5 EUT Configuration Modes



Frequency	Level	Limit	Margin	Detector
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	

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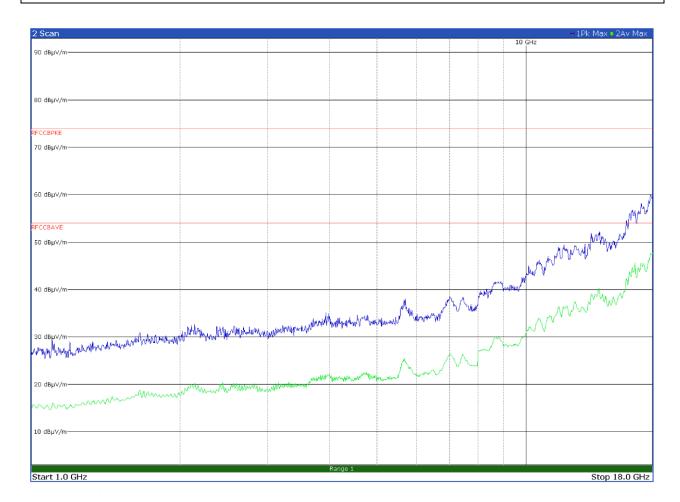




Antenna	Supply	Tes	t Mode	Domorko	Verdict
Polarization	Voltage <sup>1</sup>	Operation <sup>2</sup>	Configuration <sup>3</sup>	Remarks	verdict
Vertical	1	1	1		Р

#### Notes:

- <sup>1</sup> See clause 4.2 EUT Power Supply
- <sup>2</sup> See clause 4.4 EUT Operation Modes
- <sup>3</sup> See clause 4.5 EUT Configuration Modes



Frequency	Level	Limit	Margin	Detector
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	

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#### 5.2 Conducted emission

#### 5.2.1 Test result

Verdict for AC mains port2:	□Р	□F	$\boxtimes N^1$	□ NP	
Frequency range:	0.15 MHz	– 30 MHz			
Kind of test site:	Shielded re	oom			
Notes:					

#### 5.2.2 Photo documentation of the test set-up

#### 5.2.3 Test method

Method standard is reported at par. 3.1. Measurements were made on a ground plane that extends 1-meter minimum beyond all sides of the system under test. All power was connected to the system through Line Impedance Stabilization Networks (LISN). Conducted voltage measurements on mains lines were made at the output of the LISN.

Receiver reading  $P_R$ , reported in tables at clause 5.2.6, was achieved adjusting the input signal  $P_{IN}$  by a correction factor CF, to take into account of the insertion loss due to LISN and cables. This correction factor was pre-inserted in the firmware of the receiver and was applied by the instrument during the test. The relationship between  $P_R$  and  $P_{IN}$ , expressed in dB, is:

$$P_R = P_{IN} + CF$$

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<sup>&</sup>lt;sup>1</sup> If marked, the test is not applicable for the EUT, according to 15.107 (c)(1) or (d).

<sup>&</sup>lt;sup>2</sup> If applicable, KDB 174176D01 criterion was used for devices powered from a computer or any other external power source via a USB connection.







#### 5.2.4 Limits

Conducted emissions from AC mains power ports						
Frequency		Quasi-Peak limit (dΒμV)		je limit μV)		
(MHz)	Class B	Class A	Class B	Class A		
0.15 to 0.50	66 to 56 <sup>1</sup>	79	56 to 46 <sup>1</sup>	66		
0.50 to 5	56	73	46	60		
5 to 30	60	73	50	60		

## Notes:

## 5.2.5 Test equipment used<sup>1</sup>

Used <sup>2</sup>	Description	Manufacturer	Model	Identifier
$\boxtimes$	EMI receiver	R&S	ESU8	100202
	EMI receiver	Rohde & Schwarz	ESW44	101620
$\boxtimes$	Attenuator	Aeroflex / Weinschel	2	CC8577
	LISN 9 kHz ÷ 30 MHz	R&S	ESH2-Z5	872 460/041
$\boxtimes$	LISN 9 kHz ÷ 30 MHz	R&S	ENV432	101714
	LISN 9 kHz ÷ 30 MHz	R&S	ESH3-Z5	840 731/004
$\boxtimes$	Shielded room	Siemens	Conducted emission test room	1862

#### Notes

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 $<sup>^{1}\,\</sup>mbox{The limit level in dB}\mu\mbox{V}$  decreases linearly with the logarithm of frequency

<sup>&</sup>lt;sup>1</sup> See clause 1.7 for calibration information.

 $<sup>^{\</sup>rm 2}$  If crossed, the instrument was used during tests.







## 5.2.6 Test protocol

Te	est Port	Supply	Test Mode			
EUT <sup>1</sup>	Line	Voltage <sup>2</sup>	Operation <sup>3</sup>	Configuration <sup>4</sup>	Remarks	Verdict
1	L	1	1	1		F

#### Notes:

- <sup>1</sup> See clause 4.6 EUT Input/Output Ports
- <sup>2</sup> See clause 4.2 EUT Power Supply
- <sup>3</sup> See clause 4.4 EUT Operation Modes
- <sup>4</sup> See clause 4.5 EUT Configuration Modes

Те	est Port	Supply	Test Mode Remarks		Test Mode		Domarko	Vordiet
EUT <sup>1</sup>	Line	Voltage <sup>2</sup>	Operation <sup>3</sup>	Configuration <sup>4</sup>	Remarks	Verdict		
1	N	1	1	1		Ν		

#### Notes:

- <sup>1</sup> See clause 4.6 EUT Input/Output Ports
- <sup>2</sup> See clause 4.2 EUT Power Supply
- <sup>3</sup> See clause 4.4 EUT Operation Modes
- <sup>4</sup> See clause 4.5 EUT Configuration Modes

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## **6 EUT PHOTOS**





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End of report

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