

TEST REPORT

Electromagnetic Compatibility

Report Reference No. : 450051-3TRFEMC

Date of issue : 2021-12-01

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 : **Synapsys SAS**

Customer information : 2 RUE MARC DONADILLE, HÔTEL TECHNOPTIC
13013 MARSEILLE - FRANCE

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

Standard application : Full application

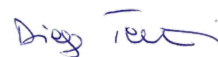
Equipment under test : Wireless camera for medical use

Trademark(s) :  **SYNAPSYS**
an inventis company

Manufacturer : Synapsys SAS

Model/Type reference : Described at clause 4.1

Tests performed by : D. Teruzzi



Report approved by : P. Barbieri



CONTENTS

1. GENERAL INFORMATION.....	3
1.1 Project history	3
1.2 Symbol used in the report	3
1.3 Date of sample(s) reception and tests	3
1.4 Testing location	4
1.5 Environmental conditions	4
1.6 Measurement uncertainty and assessment of conformity	4
1.7 Instruments calibration table	6
2. PRODUCT STANDARDS, TEST METHODS AND TECHNICAL PROCEDURES	7
2.1 Standard(s) applied.....	7
2.2 Test method(s) applied.....	7
2.3 Nemko technical procedures.....	7
3. SUMMARY OF TEST RESULTS AND VERDICTS	8
3.1 Measurement of electromagnetic disturbances emitted by the equipment under test	8
4. EQUIPMENT UNDER TEST	9
4.1 EUT Identification	9
4.2 EUT Power Supply.....	10
4.3 EUT Information declared by the Customer ¹	10
4.4 EUT Operation Modes	11
4.5 EUT Configuration Modes.....	12
4.6 EUT Input/Output Ports.....	12
4.7 EUT and Equipment Used During Test	12
4.8 EUT Electric/Block Diagram	13
4.9 Information about radio module(s).....	13
5 TEST RESULTS	14
5.1 Radiated Emission	14
5.2 Conducted emission	25
6 EUT PHOTOS	27

1. GENERAL INFORMATION

1.1 Project history

Report number	Modification to the report / comments	Date
450051-3TRFEMC	First release	2021-12-01
--	--	--
--	--	--
--	--	--

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 not used throughout this report
EUT	: Equipment Under Test
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)	2021-10-13
Testing start date	2021-11-29
Testing termination date	2021-11-30

1.4 Testing location

The tests have been performed in the place indicated below:

- ☒ 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 ¹
 Relative Humidity: 25-70 % ²
 Atmospheric pressure: 860-1060 hPa

Notes:

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

² During ESD test, humidity was verified to be within 30 ÷ 60 %

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:

Test	Range	Measurement Uncertainty	Notes
Radiated Disturbance	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)
	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)
Conducted Disturbance	0.02 ÷ 150 kHz with AMN	3.8 dB	(1)
	150 kHz ÷ 30 MHz with AMN	3.4 dB	(1)
	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)
Frequency	10 Hz ÷ 1 kHz	0.2 %	(1)
	1 kHz ÷ 40 GHz	10 ⁻⁶	(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: (1) 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	2021-08	2022-08
EMI Receiver	Rohde & Schwarz	ESU8	100202	2021-09	2022-09
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	2021-04	2022-04
Broadband Amplifier	Schwarzbeck Mess-Elektronik	BBV9718C	00121	2021-01	2022-01
Preamplifier	Schwarzbeck Mess-Elektronik	BBV9718	BBV9718-137	2021-04	2022-04
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	2021-05	2022-05
LISN	Rohde & Schwarz	ESH2-Z5	881 362/006	2021-03	2022-03
LISN	Rohde & Schwarz	ESH2-Z5	872 460/041	2021-09	2022-09
V-network	Rohde & Schwarz	ESH3-Z5	840 731/004	2021-09	2022-09
Oscilloscope	Agilent	54846A	MY40000254	2020-11	2022-11
Multimeter	Rohde & Schwarz	HMC8012	101577	2021-06	2022-06
Barometer	Castle	GBP 3300	072015	2021-04	2022-04
Data logger con diagnosi in campo	Testo	175-H2	20012380/305	2020-12	2022-12
Data logger con diagnosi in campo	Testo	175-H2	38203337/703	2020-12	2022-12
Attenuator	Aeroflex / Weinschel	2	CC8577	2021-07	2022-07

2. PRODUCT STANDARDS, TEST METHODS AND TECHNICAL PROCEDURES

2.1 Standard(s) applied

The following standard(s) or specifications were applied:

FCC CFR 47 Part 15 Subpart B

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

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

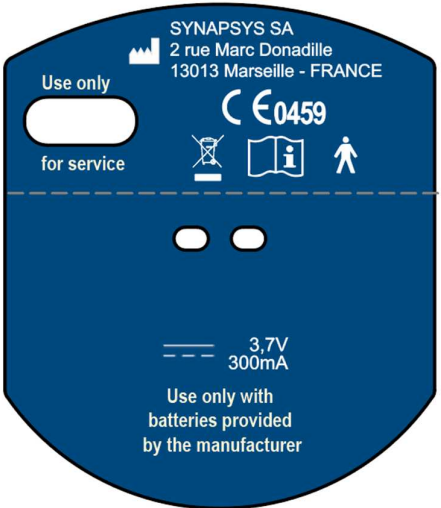
3. SUMMARY OF TEST RESULTS AND VERDICTS

3.1 Measurement of electromagnetic disturbances emitted by the equipment under test

Emission Tests		
Requirement / test	Method Standard	Verdict
Part §15.107 – Conducted emission	ANSI C63.4	N ¹
Part §15.109 – Radiated emission	ANSI C63.4	P
Notes: ¹ The EUT is a battery-powered and wearable product		

4. EQUIPMENT UNDER TEST

4.1 EUT Identification

Short description of the EUT The EUT is a wireless infrared camera that can be used to diagnose and rehabilitate balance disorders. The EUT sends, via wireless and through an external router, to a PC / laptop a video stream and a stream of data acquired by a gyroscope (integrated in the EUT itself), which are used to reconstruct the position of the patient's head in real time during the exam. The data are processed by a software on the PC / laptop side in order to obtain diagnostic indications in the vestibular area.	
Copy of marking plate(s) (if present) WNS Rev-X SN SC1--21123456 REF SY.WNS MAC: 00:00:00:00:00:00 (01)03760184931466 (21)NYL--21123456 	
Sample ID	SC1-21000003
Model/Type	WNS
Ratings	3.7 Vdc (rechargeable and removable battery)
Equipment installation	Body worn
Accessories and detachable parts included	None
Test performed.....	All tests were performed on this sample
Software and/or firmware information	1.0 beta 14
Product variants not tested: -	

4.2 EUT Power Supply

Used ¹	N° ²	Type	Supply Voltage	Phases N°	Supplementary Information
☒	1	Battery	3.7 V		rechargeable and removable battery
Notes: ¹ The crossed square indicates that the supply voltage is used in at least one test. ² This number will be used all over the report to identify the supply voltage(s) used for each test.					

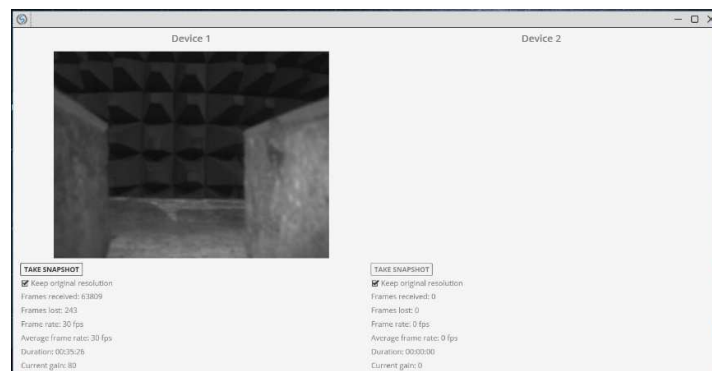
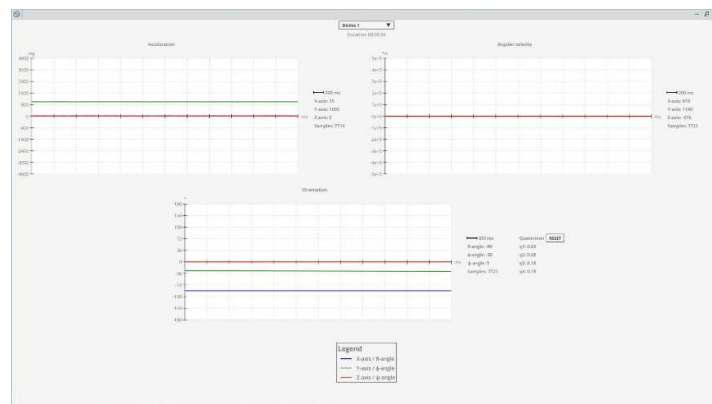
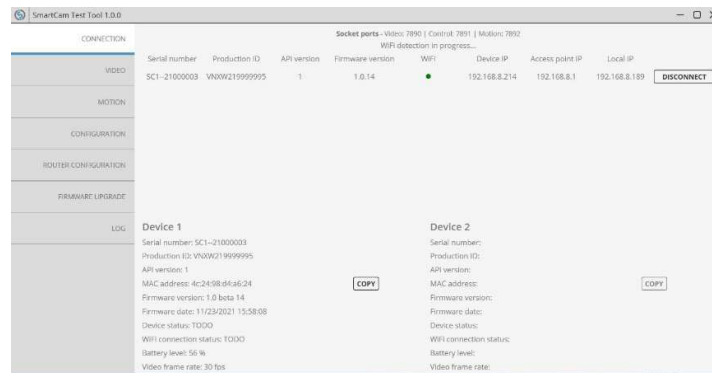
4.3 EUT Information declared by the Customer ¹

Information	Declaration
EUT highest frequency ²	fc > 1000 MHz
Environment intended use.....	Professional healthcare
Equipment classification ³	B
Notes: ¹ 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. ² 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. ³ Equipment class and category definitions are specified in the standard used.	

4.4 EUT Operation Modes

N°	Description
1	The EUT has been tested in normal working conditions, connected to a laptop (via wireless)
Notes:	

The following software (SmartCam Test Tool 1.0.0) has been used during the tests:



4.5 EUT Configuration Modes

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

N°	Description
1	The EUT has been tested connected to the battery
Notes:	

4.6 EUT Input/Output Ports

Port	Name	Type ¹	Cable Max. >3m	Cable Shielded	Description
0	Enclosure	N/E	—	—	—
1	USB	I/O	☐	☐	Not Under Test, only for service
Notes:					
¹ Port type:					
AC = AC Power Port		DC = DC Power Port		N/E = Non-Electrical	
I/O = Signal/Control Input or Output Port		TP = Wired network or telecommunication Port		ANT = Antenna Port	

4.7 EUT and Equipment Used During Test

Use ¹	Product Type	Manufacturer	Model	Comments
AE	Rechargeable Li-Polymer Battery	Varta	EZPack L	Supplied by costumer
AE	750M Gigabit Travel Router	GL iNet	GL-AR750S-EXT	Supplied by costumer
AE	Laptop	Dell	--	Supplied by Nemko SpA
Notes:				
¹ Use				
EUT - Equipment Under Test		SIM - Simulator (Not Subjected to Test)		
AE - Auxiliary/Associated Equipment (Not Subjected to Test)				

4.8 EUT Electric/Block Diagram



4.9 Information about radio module(s)

Radio module 1	
Description	Information
Identification:	Model: CC3135MOD Trademark: Texas Instruments
Frequency band (MHz):	2400 to 2483.5 and 5150 to 5725
Modulation type:	802.11 a/b/g/n standard
Antenna information:	Integral
Number of channels:	802.11 a/b/g/n standard
Other information:	--
Notes: The band 2400 to 2483.5 MHz is not used for this application (according to applicant's declaration)	

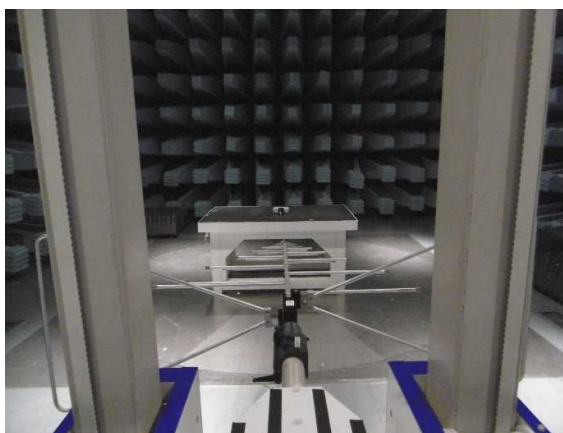
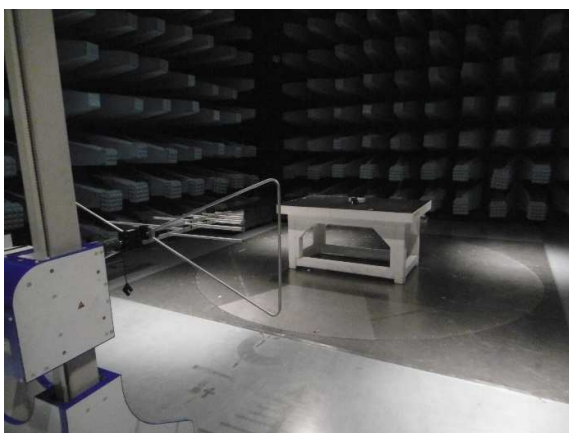
5 TEST RESULTS

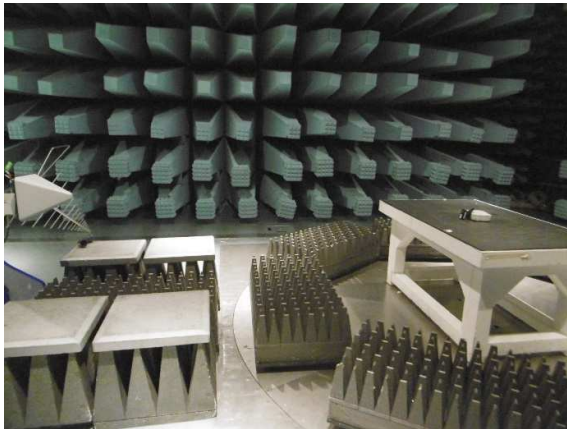
5.1 Radiated Emission

5.1.1 Test result

Verdict:	☒ P ☐ F ☐ N ¹ ☐ NP
Frequency range:	30 MHz – 40000 MHz ²
Test site:	Semi anechoic chamber
Measurement distance:	3 m or 10 m ³
Notes: ¹ If marked, the test is not applicable for the EUT. ² 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. ³ 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





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 polarities. 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 polarity, where applicable.

Receiver reading P_R , reported in tables at clause 5.1.6, was achieved adjusting the input signal P_{IN} 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_R and P_{IN} , expressed in dB, is:

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

5.1.4 Limits for enclosure

Radiated emission ¹				
Frequency (MHz)	Limit for Class A EUT		Limit for Class B EUT	
	$\mu V/m$	$dB\mu V/m$	$\mu V/m$	$dB\mu V/m$
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 ²	49.5 ²	500 ²	54.0 ²
Above 1000 ³	1000 ²	59.5 ²	500 ²	54.0 ²

Notes:

¹ 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.

² 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.

³ 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 used¹

Used ²	Description	Manufacturer	Model	Identifier
☒	SAC	Nemko Spa	10m SAC	530
☒	EMI receiver	Rohde & Schwarz	ESW44	101620
☐	EMI receiver	Rohde & Schwarz	ESU8	100202
☐	Common mode absorption device	Schwarzbeck	CMAD1614	00041
☒	Antenna	Schwarzbeck	VULB9162	VULB9162-025
☐	Antenna	Schwarzbeck	VULB9168	VULB9168-242
☒	Antenna	Schwarzbeck	STLP9148	STLP9148-123
☐	Antenna	Schwarzbeck	STLP9148	STLP9148-152
☒	Antenna	RF Spin	DRH40	061106A40
☒	Preamplifier	Schwarzbeck	BBV9718	BBV9718-137
☐	Preamplifier	Schwarzbeck	BBV9718C	00121
☒	Preamplifier	Sage	STB-1834034030-	18490-01
☒	Controller for turntable and antenna mast	Maturo	FCU3.0	10041
☒	Tilt antenna mast	Maturo	TAM4.0-E	10042
☒	Turntable 4.5 t	Maturo	TT4.0-5T	2.527
Notes: ¹ See clause 1.7 for calibration information. ² If crossed, the instrument was used during tests.				

5.1.7 Test protocol

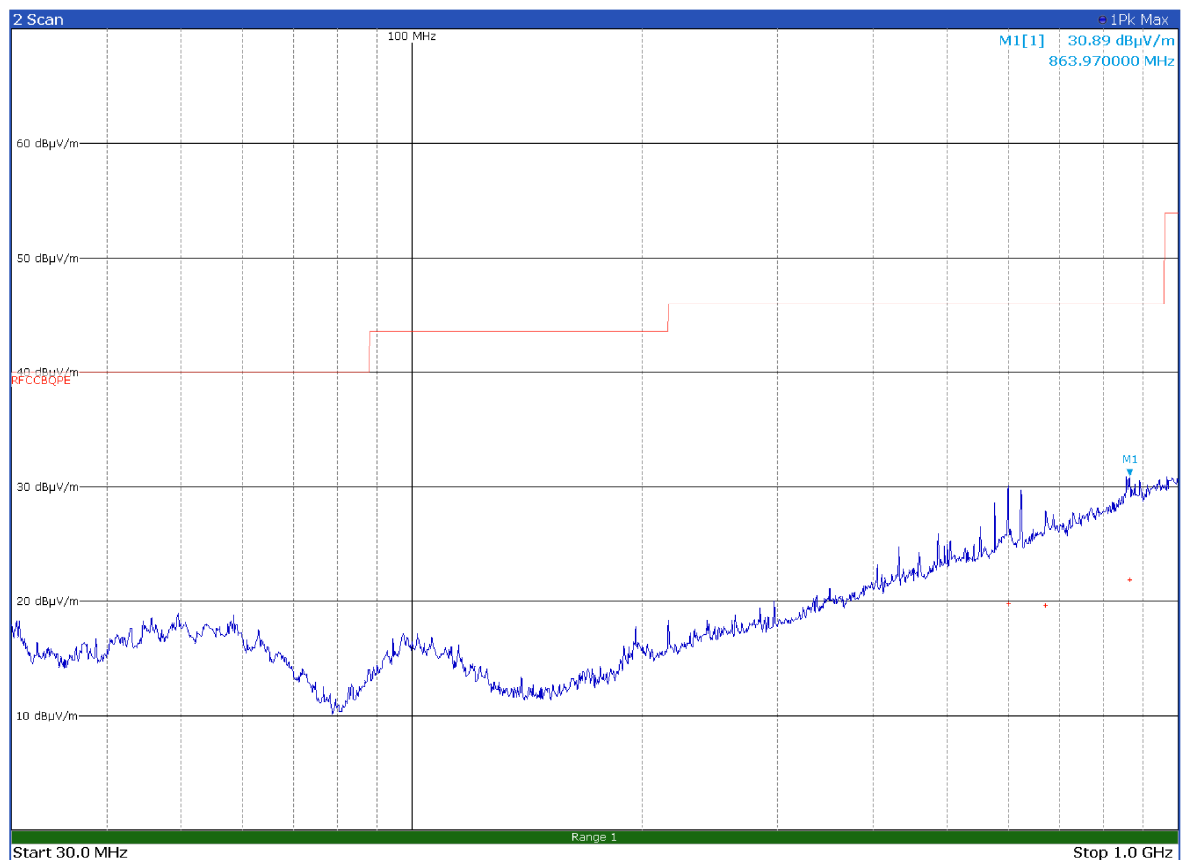
Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	1	1	1	30 to 1000 MHz	P

Notes:

¹ See clause 4.2 EUT Power Supply

² See clause 4.4 EUT Operation Modes

³ See clause 4.5 EUT Configuration Modes



16:44:05 29.11.2021

Page 1/1

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
600.0000	19.8	46.0	-26.2	QP
672.0000	19.7	46.0	-26.3	QP
863.9700	21.9	46.0	-24.1	QP

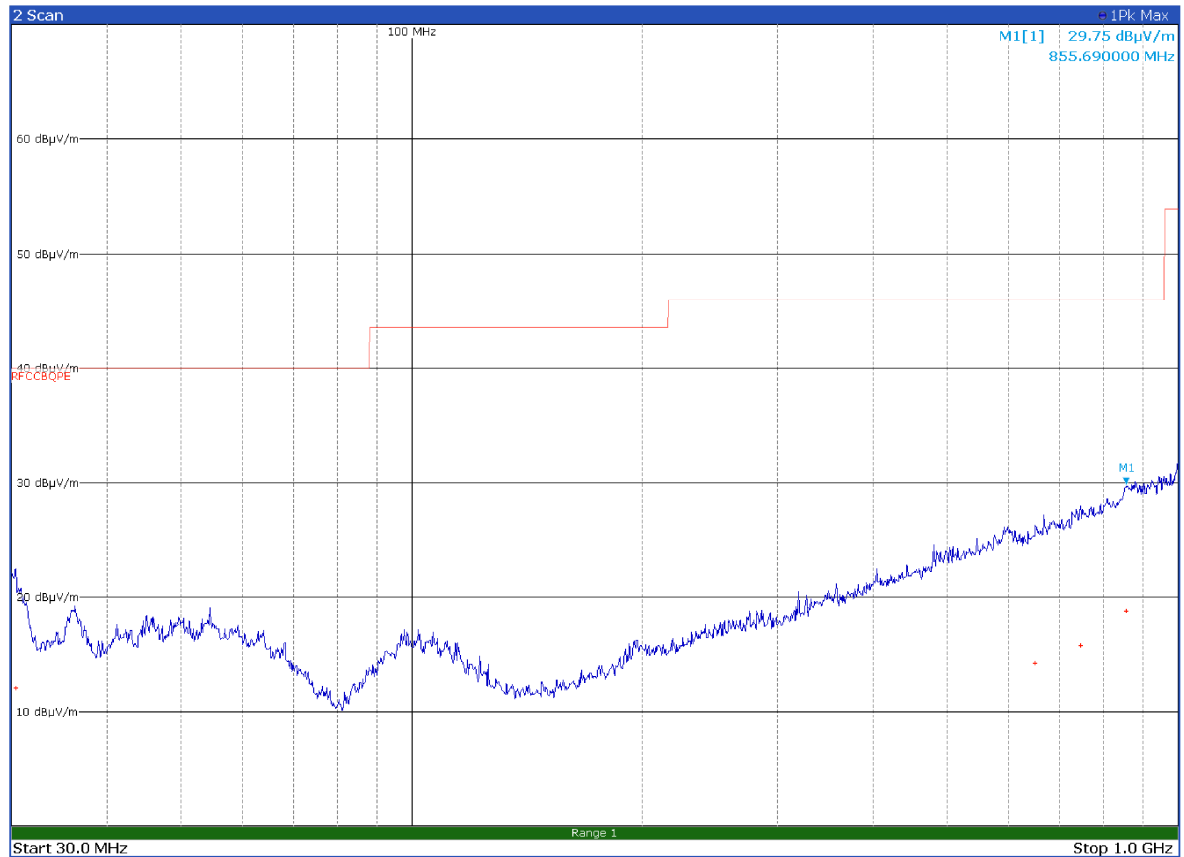
Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	1	1	1	30 to 1000 MHz	P

Notes:

¹ See clause 4.2 EUT Power Supply

² See clause 4.4 EUT Operation Modes

³ See clause 4.5 EUT Configuration Modes

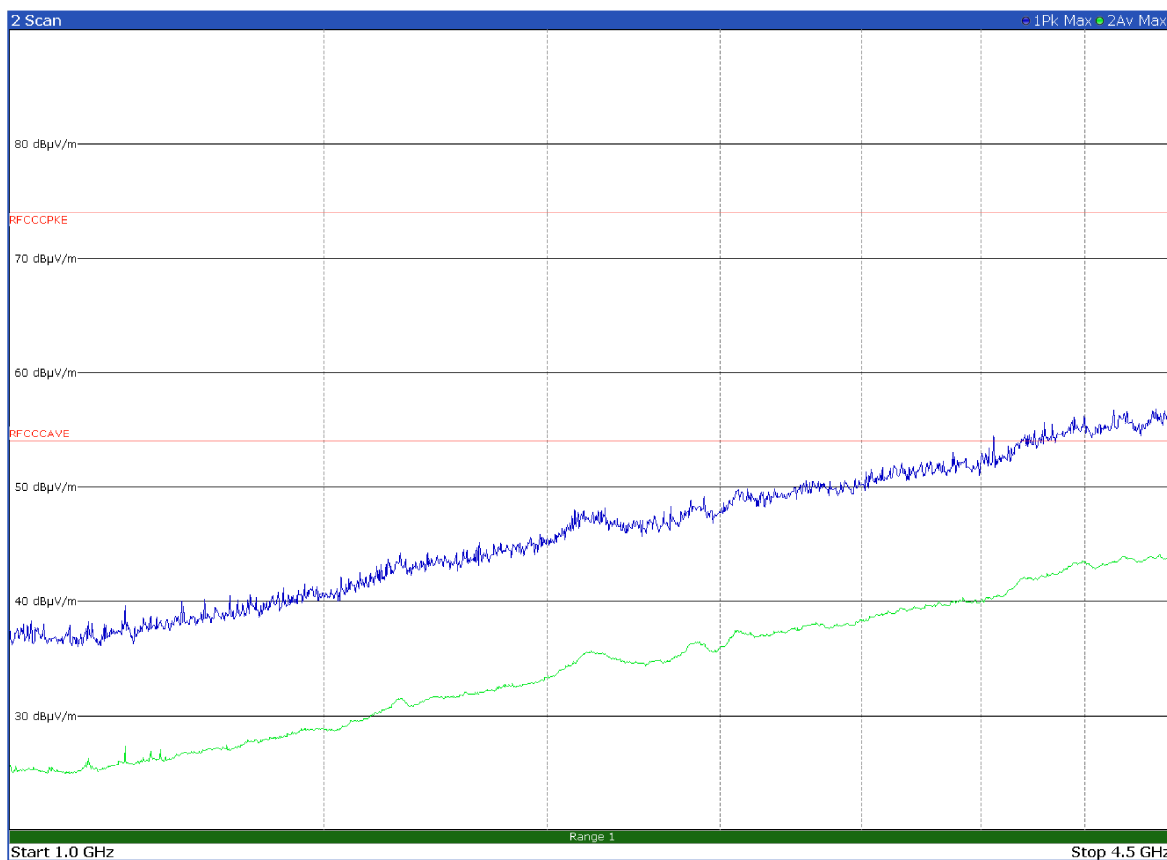


16:40:57 29.11.2021

Page 1/1

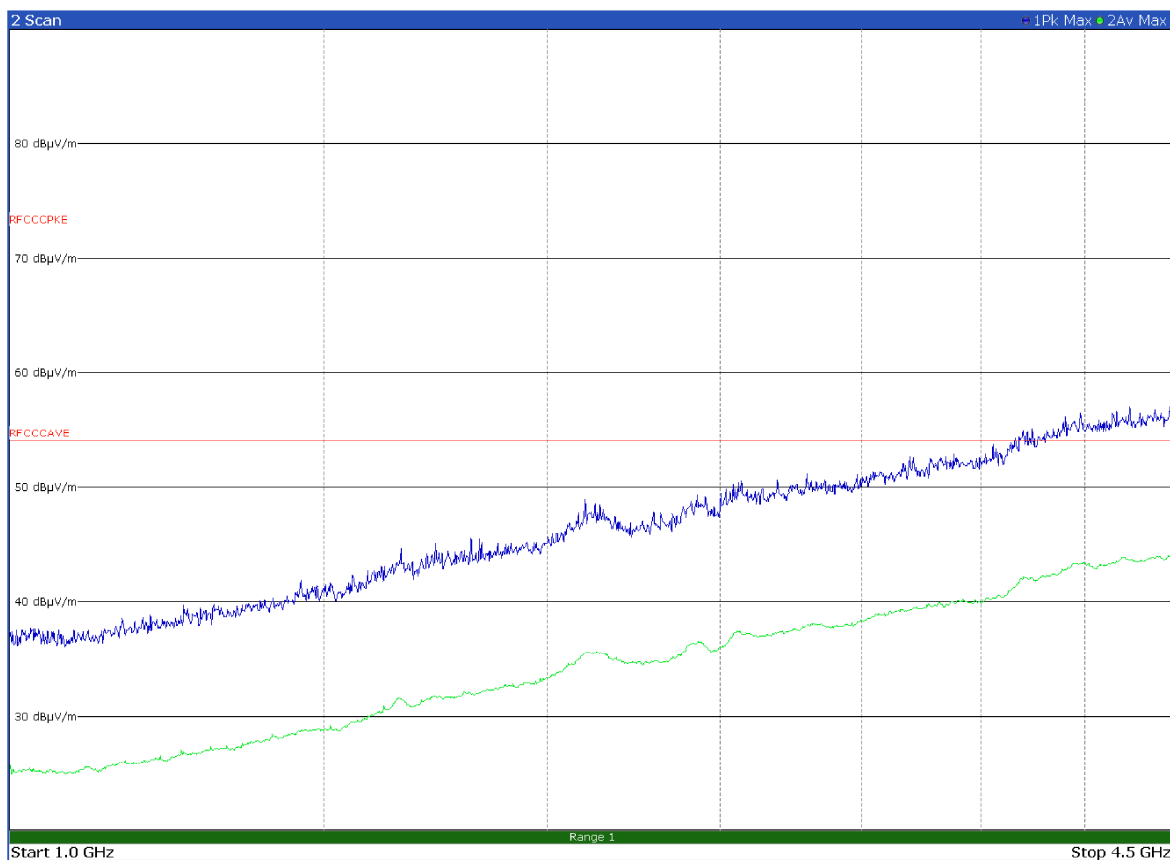
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
30.3600	12.1	40.0	-27.9	QP
650.1600	14.2	46.0	-31.8	QP
746.0400	15.8	46.0	-30.2	QP
855.6900	18.9	46.0	-27.1	QP

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	1	1	1	1 to 4.5 GHz	P
Notes: ¹ See clause 4.2 EUT Power Supply ² See clause 4.4 EUT Operation Modes ³ See clause 4.5 EUT Configuration Modes					



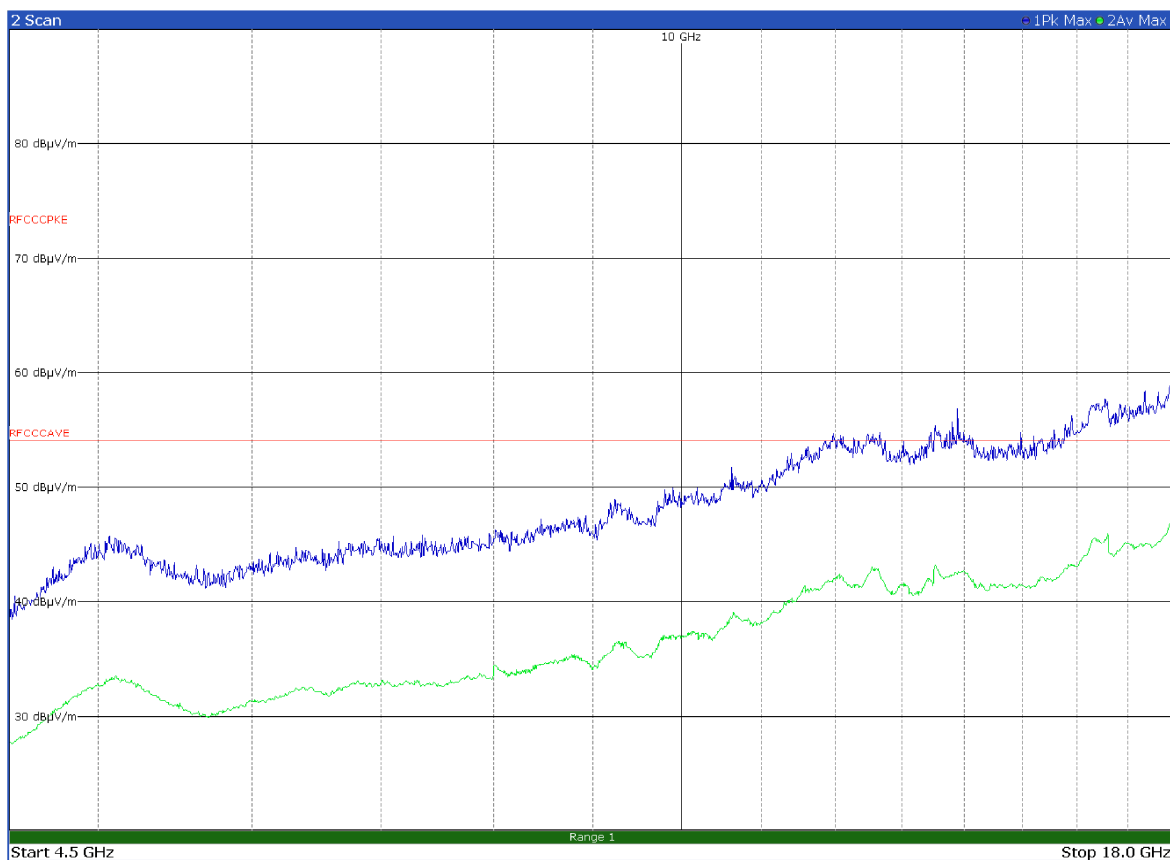
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	1	1	1	1 to 4.5 GHz	P
Notes: ¹ See clause 4.2 EUT Power Supply ² See clause 4.4 EUT Operation Modes ³ See clause 4.5 EUT Configuration Modes					



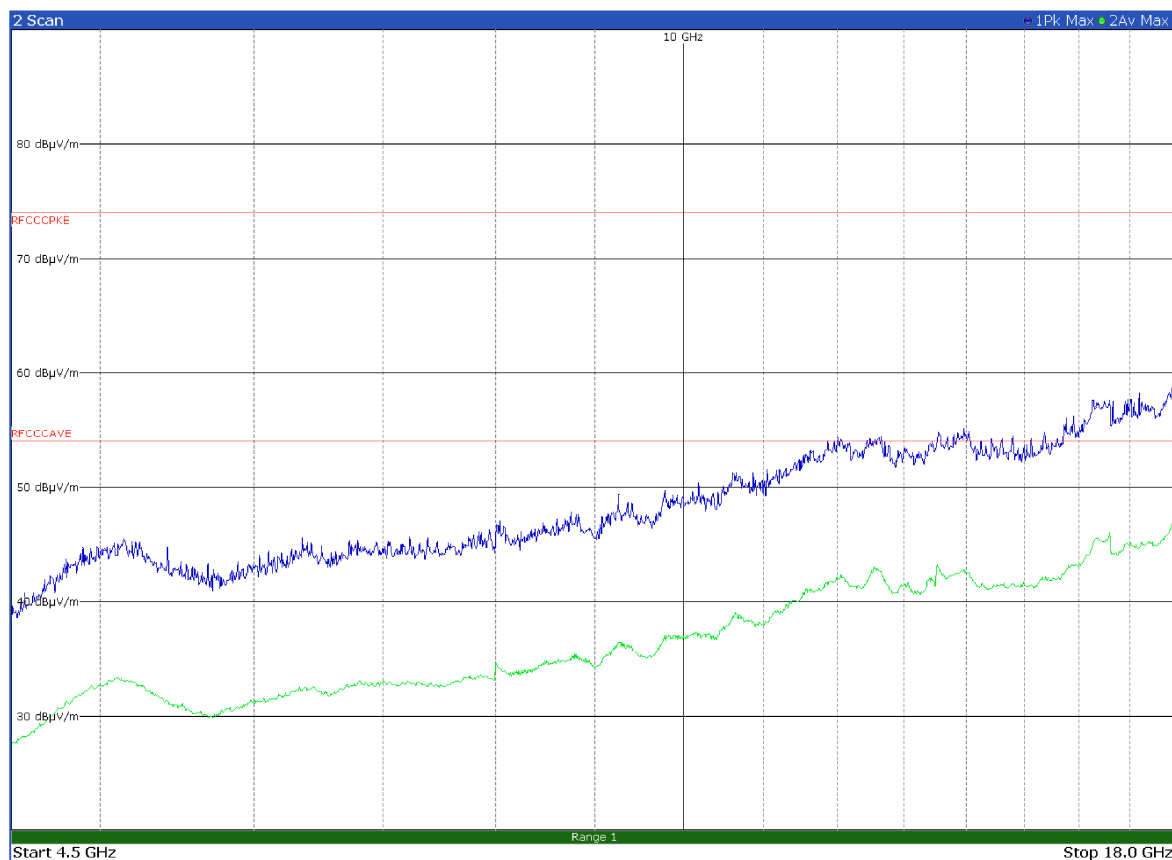
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	1	1	1	4.5 to 18 GHz	P
Notes: ¹ See clause 4.2 EUT Power Supply ² See clause 4.4 EUT Operation Modes ³ See clause 4.5 EUT Configuration Modes					



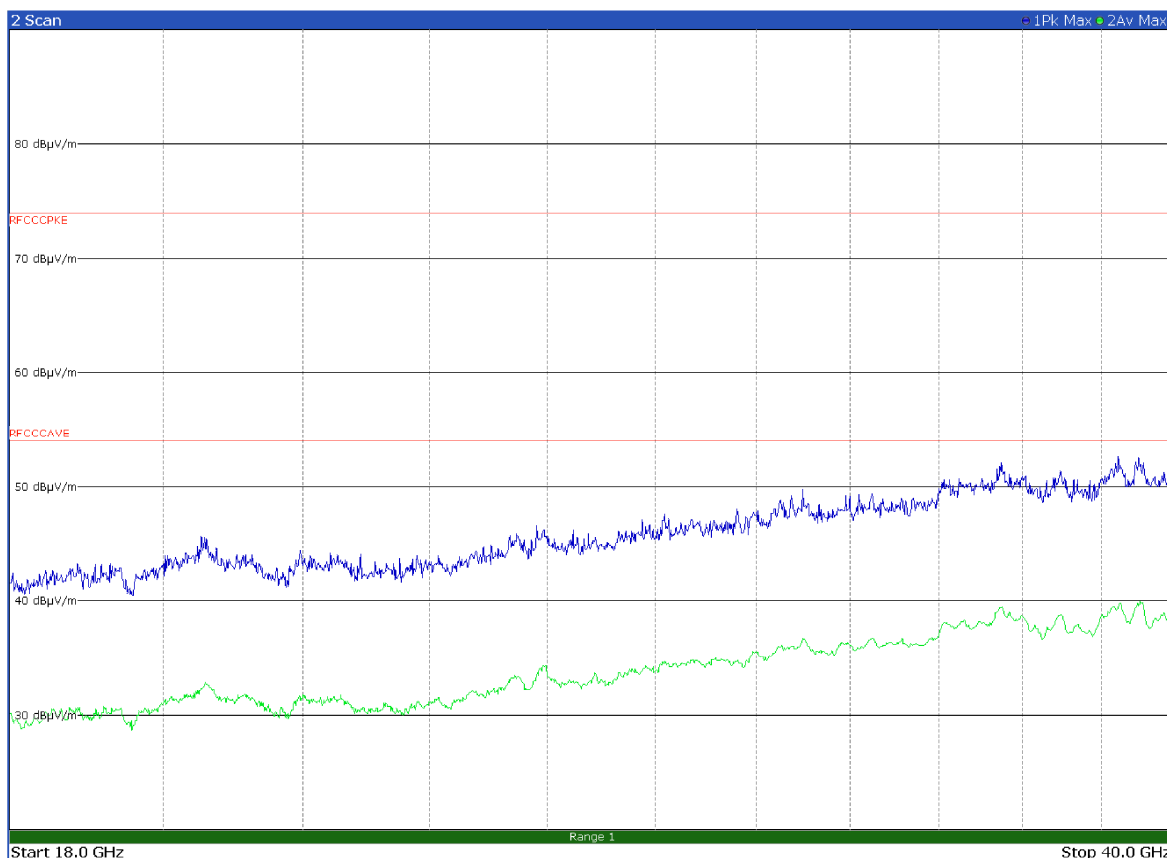
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	1	1	1	4.5 to 18 GHz	P
Notes: ¹ See clause 4.2 EUT Power Supply ² See clause 4.4 EUT Operation Modes ³ See clause 4.5 EUT Configuration Modes					



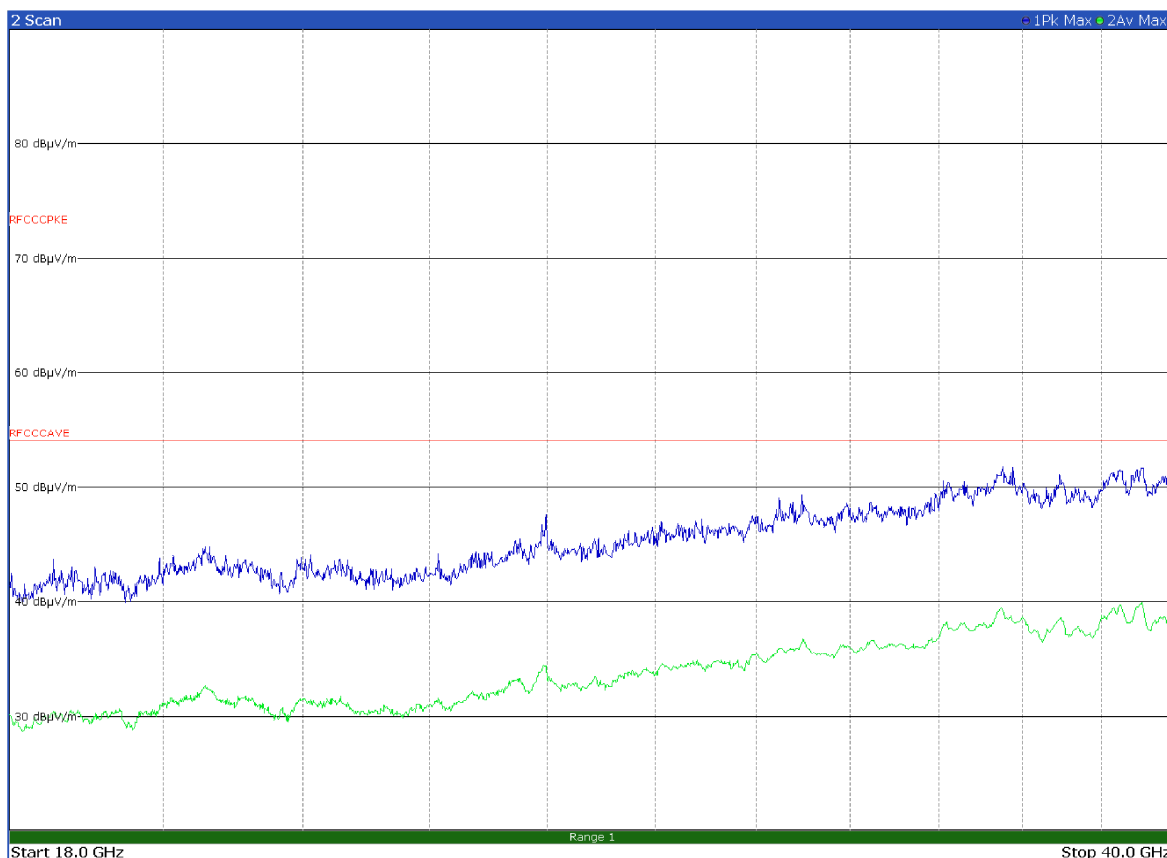
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	1	1	1	18 to 40 GHz	P
Notes: ¹ See clause 4.2 EUT Power Supply ² See clause 4.4 EUT Operation Modes ³ See clause 4.5 EUT Configuration Modes					



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

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	1	1	1	18 to 40 GHz	P
Notes: ¹ See clause 4.2 EUT Power Supply ² See clause 4.4 EUT Operation Modes ³ See clause 4.5 EUT Configuration Modes					



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

5.2 Conducted emission

5.2.1 Test result

Verdict for AC mains port ² :	☐ P ☐ F ☒ N ¹ ☐ NP
Frequency range:	0.15 MHz – 30 MHz
Kind of test site:	Shielded room
Notes: ¹ If marked, the test is not applicable for the EUT, according to 15.107 (c)(1) or (d). ² If applicable, KDB 174176D01 criterion was used for devices powered from a computer or any other external power source via a USB connection.	

5.2.2 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:

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

5.2.4 Limits

Conducted emissions from AC mains power ports				
Frequency (MHz)	Quasi-Peak limit (dBμV)		Average limit (dBμV)	
	Class B	Class A	Class B	Class A
0.15 to 0.50	66 to 56 ¹	79	56 to 46 ¹	66
0.50 to 5	56	73	46	60
5 to 30	60	73	50	60
Notes:				
¹ The limit level in dBμV decreases linearly with the logarithm of frequency				

5.2.5 Test equipment used¹

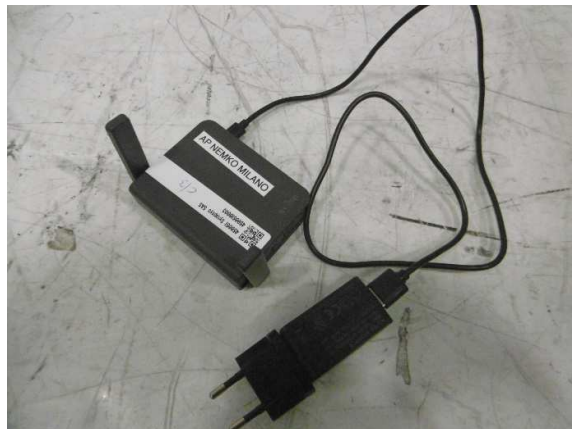
Used ²	Description	Manufacturer	Model	Identifier
☐	EMI receiver	R&S	ESU8	100202
☐	EMI receiver	Rohde & Schwarz	ESW44	101620
☐	Attenuator	Aeroflex / Weinschel	2	CC8577
☐	LISN 9 kHz ÷ 30 MHz	R&S	ESH2-Z5	872 460/041
☐	LISN 9 kHz ÷ 30 MHz	R&S	ESH2-Z5	881 362/006
☐	LISN 9 kHz ÷ 30 MHz	R&S	ESH3-Z5	840 731/004
☐	Shielded room	Siemens	Conducted emission test room	1862
Notes:				
¹ See clause 1.7 for calibration information.				
² If crossed, the instrument was used during tests.				

5.2.6 Test protocol

Test Port		Supply Voltage ²	Test Mode		Remarks	Verdict
EUT ¹	Line		Operation ³	Configuration ⁴		

6 EUT PHOTOS





750M Gigabit Travel Router

End of report