

TEST REPORT

Electromagnetic Compatibility

Report Reference No. : REP095522

Date of issue 2025-04-18

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..... : Advanced Microwave Engineering Srl

Customer information..... : Via Lucca, 44
50142 Firenze (FI) – Italy

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

Standard application Full application

Equipment under test UWB Radio Module

Trademark(s) 

Manufacturer..... : Advanced Microwave Engineering Srl

Model/Type reference Described at clause 4.1

Tests performed by P. Barbieri

Report approved by..... : O. Frau

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1. GENERAL INFORMATION

1.1 Project history

Report number	Modification to the report / comments	Date
REP095522	First release	2025-04-18
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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	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)	2025-04-07
Testing start date	2025-04-10
Testing termination date	2025-04-18

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: --
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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	20013013/305
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	2024-09	2025-09
EMI Receiver	Rohde & Schwarz	ESU8	100202	2024-09	2025-09
Antenna Trilog 25MHz - 8GHz	Schwarzbeck Mess-Elektronik	VULB9162	9162-025	2024-08	2027-08
Antenna Trilog 25-2000 MHz	Schwarzbeck Mess-Elektronik	VULB9168	9168-242	2024-08	2027-08
Antenna 1 - 18 GHz	Schwarzbeck Mess-Elektronik	STLP9148	STLP 9148-152	2024-10	2027-10
Antenna 1 - 18 GHz	Schwarzbeck Mess-Elektronik	STLP9148	STPL 9148-123	2024-08	2027-08
Double Ridge Horn Antenna	RFSpin	DRH40	061106A40	2023-05	2026-05
Broadband Bench Top Amplifier	Sage	STB-1834034030-KFKF-L1	18490-01	2024-07	2025-07
Broadband Amplifier	Schwarzbeck Mess-Elektronik	BBV9718C	00121	2025-01	2026-01
Preamplifier	Schwarzbeck Mess-Elektronik	BBV9718	BBV9718-137	2024-06	2025-06
Semi-anechoic chamber	Nemko Spa	10m semi-anechoic chamber	530	2023-09	2025-09
Common Mode Absorption Device	Schwarzbeck Mess-Elektronik	CMAD1614	00041	2022-05	2025-05
LISN	Rohde & Schwarz	ENV432	101714	2024-09	2025-09
LISN	Rohde & Schwarz	ESH2-Z5	872 460/041	2024-09	2025-09
V-network	Rohde & Schwarz	ESH3-Z5	840 731/004	2024-09	2025-09
Oscilloscopio	Agilent	54846A	MY40000254	2024-08	2025-08
Multimeter	Rohde & Schwarz	HMC8012	101577	2024-08	2025-08
Attenuator	Aeroflex / Weinschel	2	CC8577	2025-01	2026-01
3m Semi anechoic chamber	Comtest	SAC-3	1711-150	2024-09	2026-09
Coaxial cable	Rosenberger+Huber-Suhner	RE01+RE02	1.654+1.655	2025-01	2026-01
Coaxial cable	Rosenberger	ST.ALO-05	1.669	2025-03	2026-03
Coaxial cable	Rosenberger+Huber-Suhner	RE04+RE05	1.511+1.512	2025-01	2026-01
Coaxial cable	Rosenberger+Huber-Suhner	RE03+RE04	1.510+1.511	2025-01	2026-01

Description	Manufacturer	Model	Identifier	Cal Date	Due Date
Coaxial cable	Rosenberger	ST.ALO-02	1.650	2024-12	2025-12
Barometer	Castle	GBP 3300	072015	2025-03	2026-03
Data logger con diagnosi in campo	Testo	175-H2	20012380/305	2025-01	2027-01
Data logger	Testo	175-H2	20013013/305	2025-01	2027-01

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) + ANSI C63.4a (2017)

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
Part §15.109 – Radiated emission	ANSI C63.4	P
Notes: The EUT is used inside an hosting device supplied by a vehicle battery.		

4. EQUIPMENT UNDER TEST

4.1 EUT Identification

Short description of the EUT The EUT is a radio module that uses UWB type signals to detect the spatial position of a nearby tag. The device is typically used on mobile means such as lift trucks but can also be installed in a fixed position near static machines.	
Copy of marking plate(s) (if present) --	
Sample ID	PRJ0077480002 (Number assigned by Nemko Spa)
Model/Type	UWBTRPHA02
Ratings	12 / 24 V DC
Equipment installation	Radio module to put inside an hosting device
Accessories and detachable parts included	None
Test performed.....	All tests were performed on this sample
Software and/or firmware information	-

4.2 EUT Power Supply

Used ¹	N° ²	Type	Supply Voltage	Phases N°	Supplementary Information
☒	1	DC	12 V		
☒	2	DC	24 V		
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 < 7 GHz
Environment intended use.....	Industrial
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. As stated in the note of Section 15.3(i) "the responsible party may also qualify a device intended to be marketed in a commercial, business or industrial environment as a Class B device, and in fact is encouraged to do so, provided the device complies with the technical specifications for a Class B digital device."	

4.4 EUT Operation Modes

N°	Description
1	Normal working waiting the tag detection
Notes: -	

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 supply by an external DC power source
Notes: --	

4.6 EUT Input/Output Ports

Port	Name	Type ¹	Cable Max. >3m	Cable Shielded	Description
0	Enclosure	N/E	—	—	—
1	DC power port	DC	☒	☒	Two wires cable
Notes: ¹ Port type: AC = AC Power Port DC = DC Power Port N/E = Non-Electrical ANT = Antenna Port I/O = Signal/Control Input or Output Port TP = Wired network or telecommunication Port					

4.7 EUT and Equipment Used During Test

Use ¹	Product Type	Manufacturer	Model	Comments
—	—	—	—	—
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

Not applicable

4.9 Information about radio module(s)

Radio module 1	
Description	Information
Identification:	Model: UWBTRPHA02 Trademark: AME
Frequency band (MHz):	3774 to 4243.2 GHz and 6240 to 6739.2 GHz
Modulation type:	UWB
Antenna information:	Integral
Other information:	--
Notes: --	

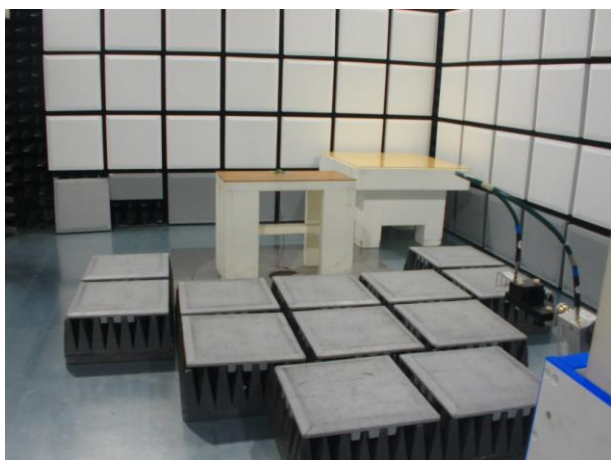
5 TEST RESULTS

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 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_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
☒	SAC	Comtest	3m SAC	1711-150
☒	EMI receiver	Rohde & Schwarz	ESW44	101620
☒	EMI receiver	R&S	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
☒	Software turntable and mast	Maturo	mcApp	8.1.0.5410
☒	Cable set	Rosenberger and Huber + Suhner	RE01+RE02	1.654+1.655
☐	Cable set	Rosenberger+Huber-Suhner	RE03+RE04	1.510+1.511
☒	Cable set	Rosenberger+Huber-Suhner	RE04+RE05	1.511+1.512
Notes: ¹ See clause 1.7 for calibration information. ² If crossed, the instrument was used during tests.				

5.1.7 Test protocol

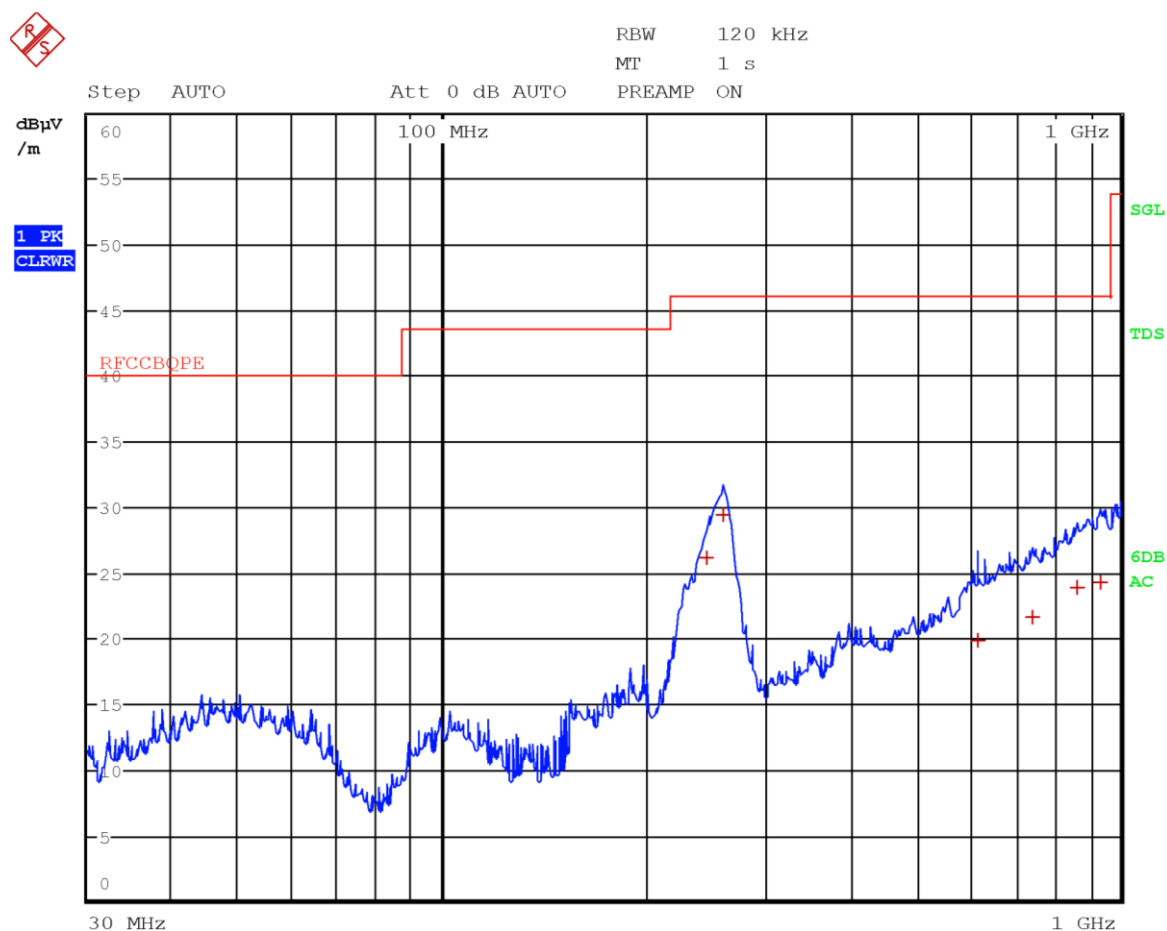
Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	1	1	1	Range 30 to 1000 MHz	P

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



Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
245.0400	26.3	46.0	-19.7	QP
260.2400	29.5	46.0	-16.5	QP
615.0800	19.9	46.0	-26.1	QP
740.9200	21.7	46.0	-24.3	QP
864.8400	23.9	46.0	-22.1	QP
936.3600	24.3	46.0	-21.7	QP

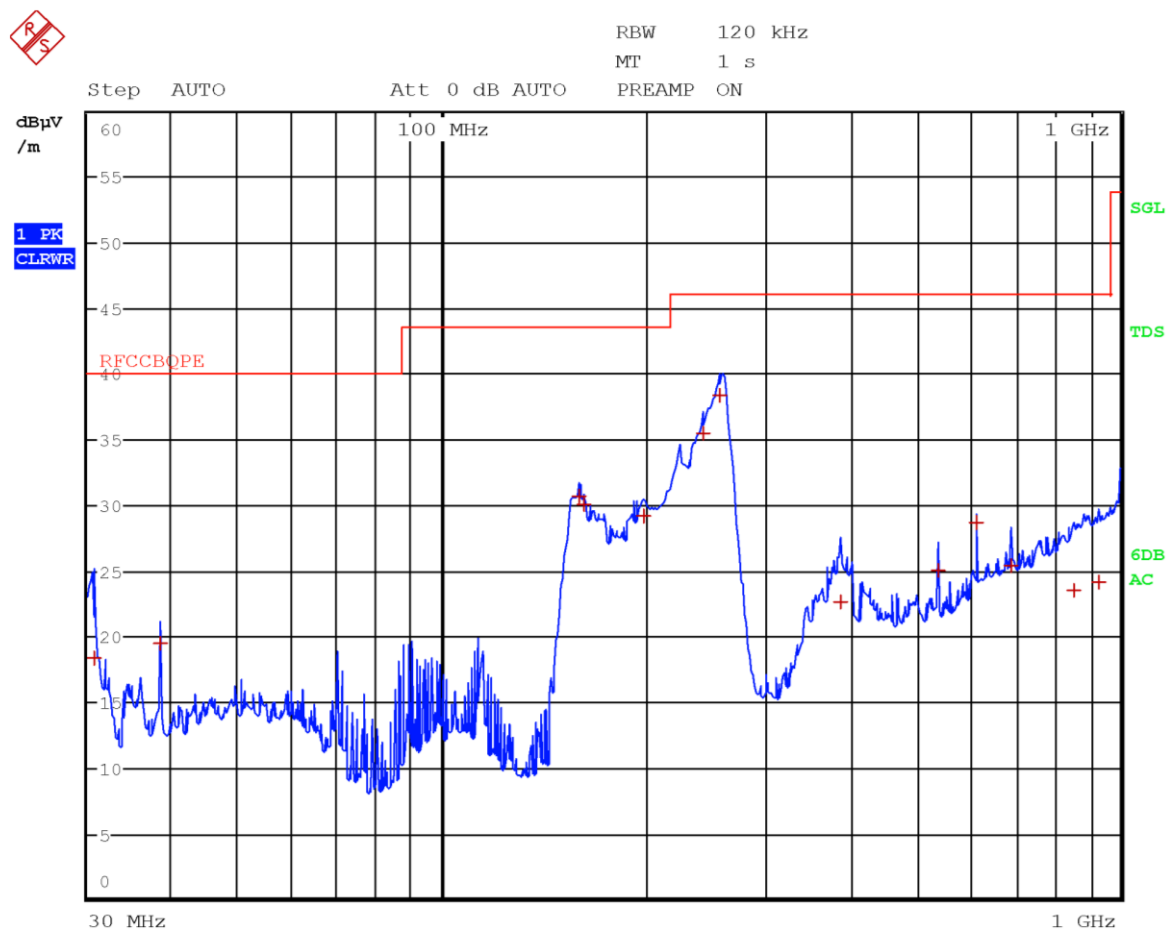
Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	1	1	1	Range 30 to 1000 MHz	P

Notes:

¹ See clause 4.2 EUT Power Supply

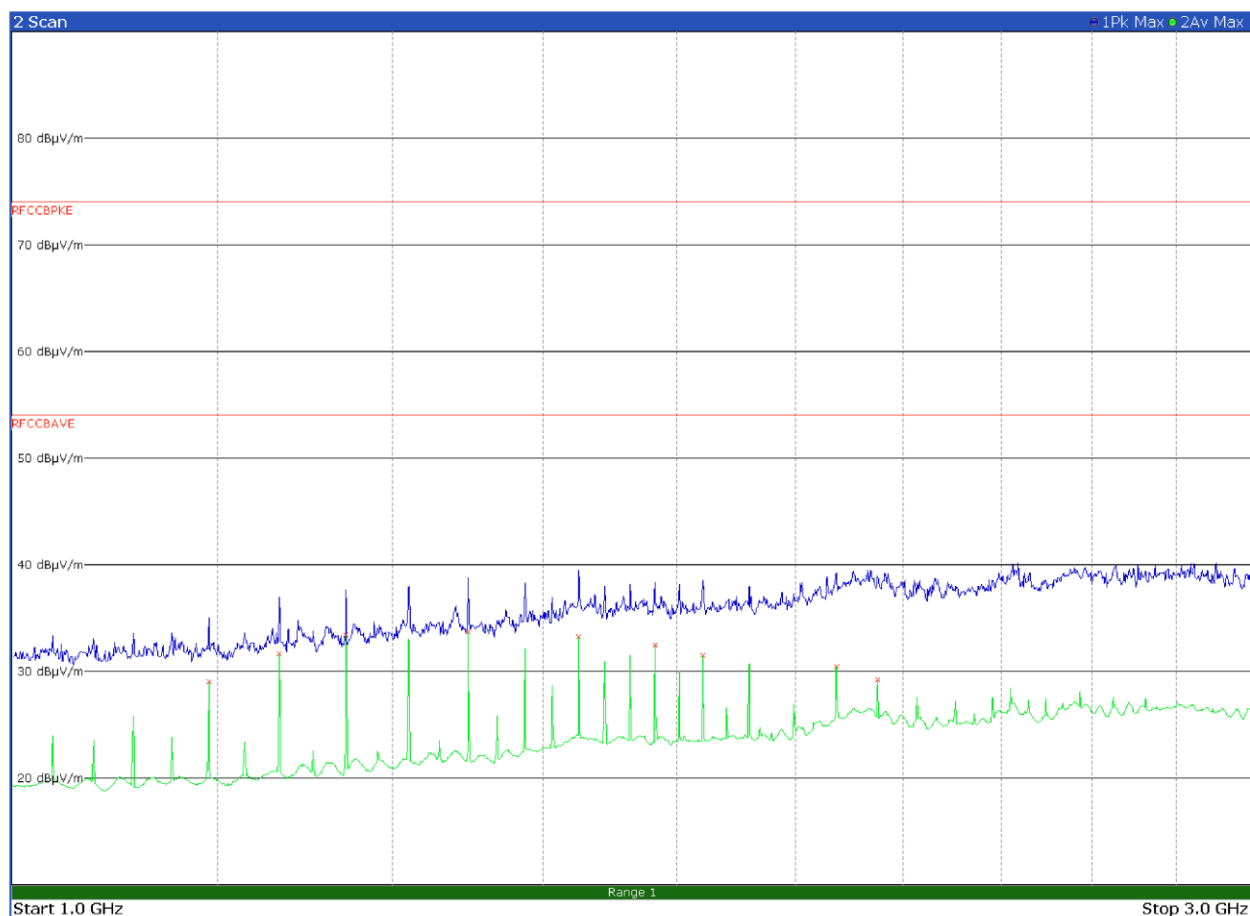
² See clause 4.4 EUT Operation Modes

³ See clause 4.5 EUT Configuration Modes



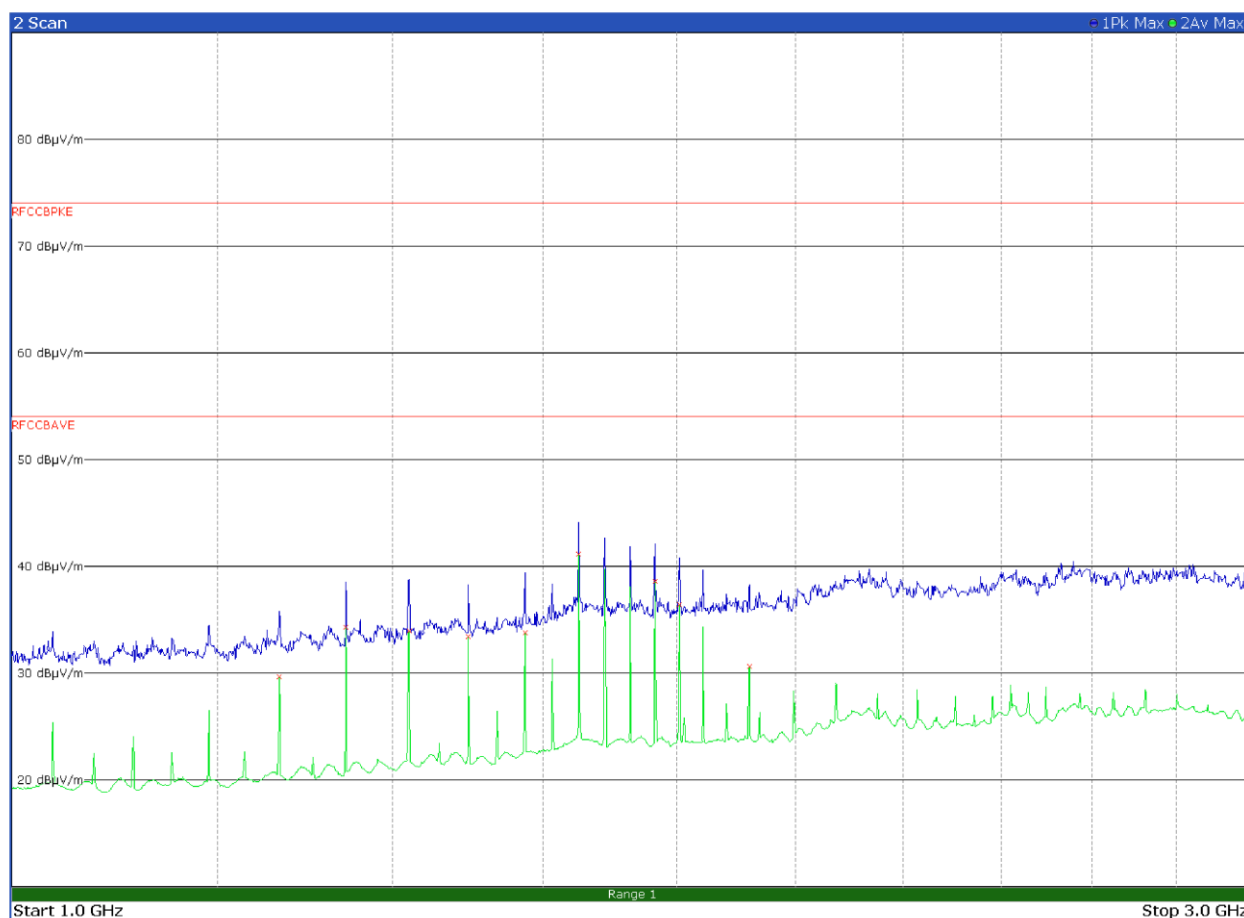
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
30.6800	18.4	40.0	-21.6	QP
38.4000	19.5	40.0	-20.5	QP
158.9600	30.8	43.5	-12.7	QP
161.5200	30.1	43.5	-13.4	QP
198.4000	29.2	43.5	-14.3	QP
242.8800	35.5	46.0	-10.5	QP
256.8400	38.5	46.0	-7.5	QP
386.5200	22.7	46.0	-23.3	QP
537.6000	25.0	46.0	-21.0	QP
614.4000	28.7	46.0	-17.3	QP
691.2400	25.5	46.0	-20.5	QP
854.4800	23.5	46.0	-22.5	QP
929.5200	24.1	46.0	-21.9	QP

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	1	1	1	Range 1 to 3 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					



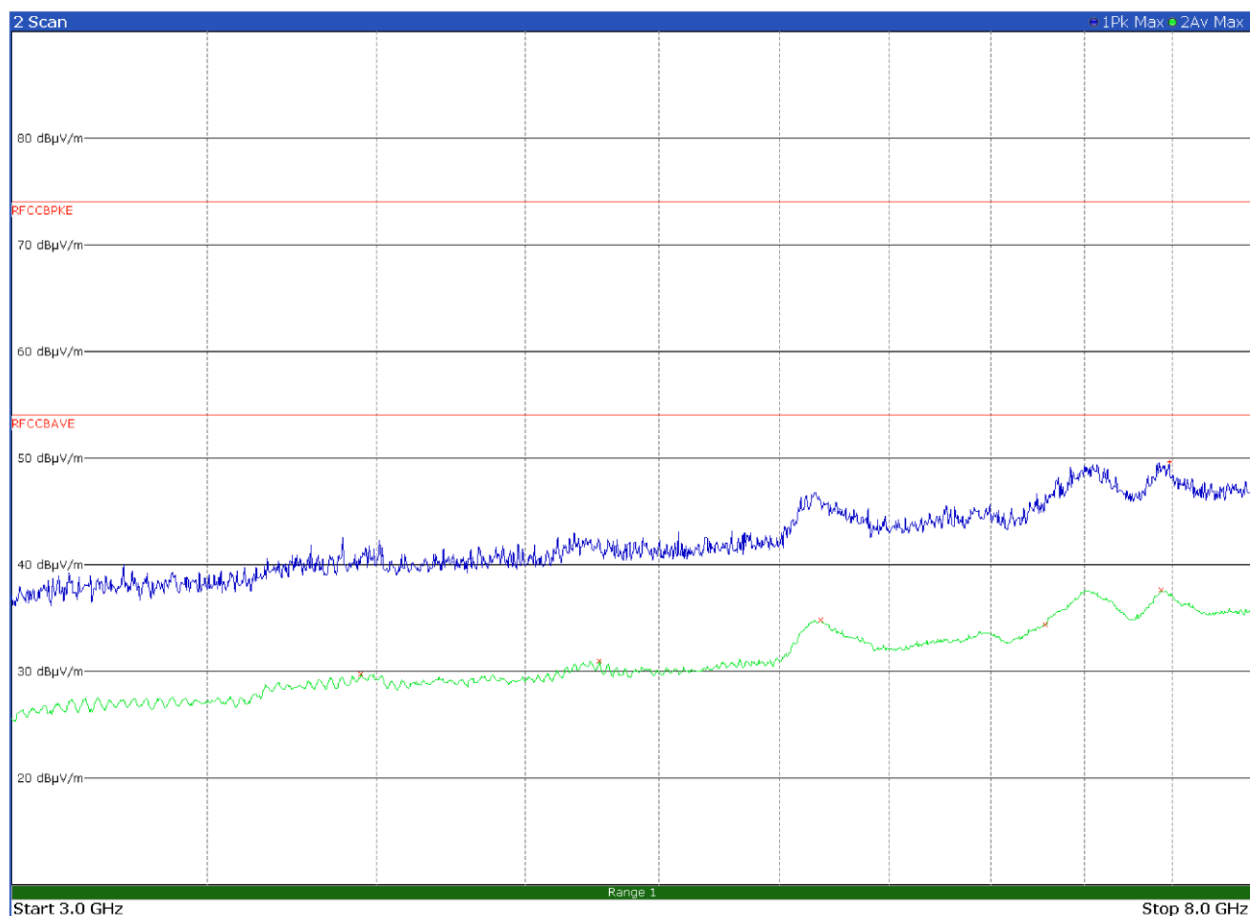
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1190.5000	29.1	54.0	-24.9	Av
1267.2500	31.7	54.0	-22.3	Av
1344.0000	33.5	54.0	-20.5	Av
1497.5000	33.7	54.0	-20.3	Av
1651.2500	33.3	54.0	-20.7	Av
1766.5000	32.5	54.0	-21.5	Av
1843.2500	31.6	54.0	-22.4	Av
2073.5000	30.5	54.0	-23.5	Av
2150.5000	29.2	54.0	-24.8	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	1	1	1	Range 1 to 3 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					



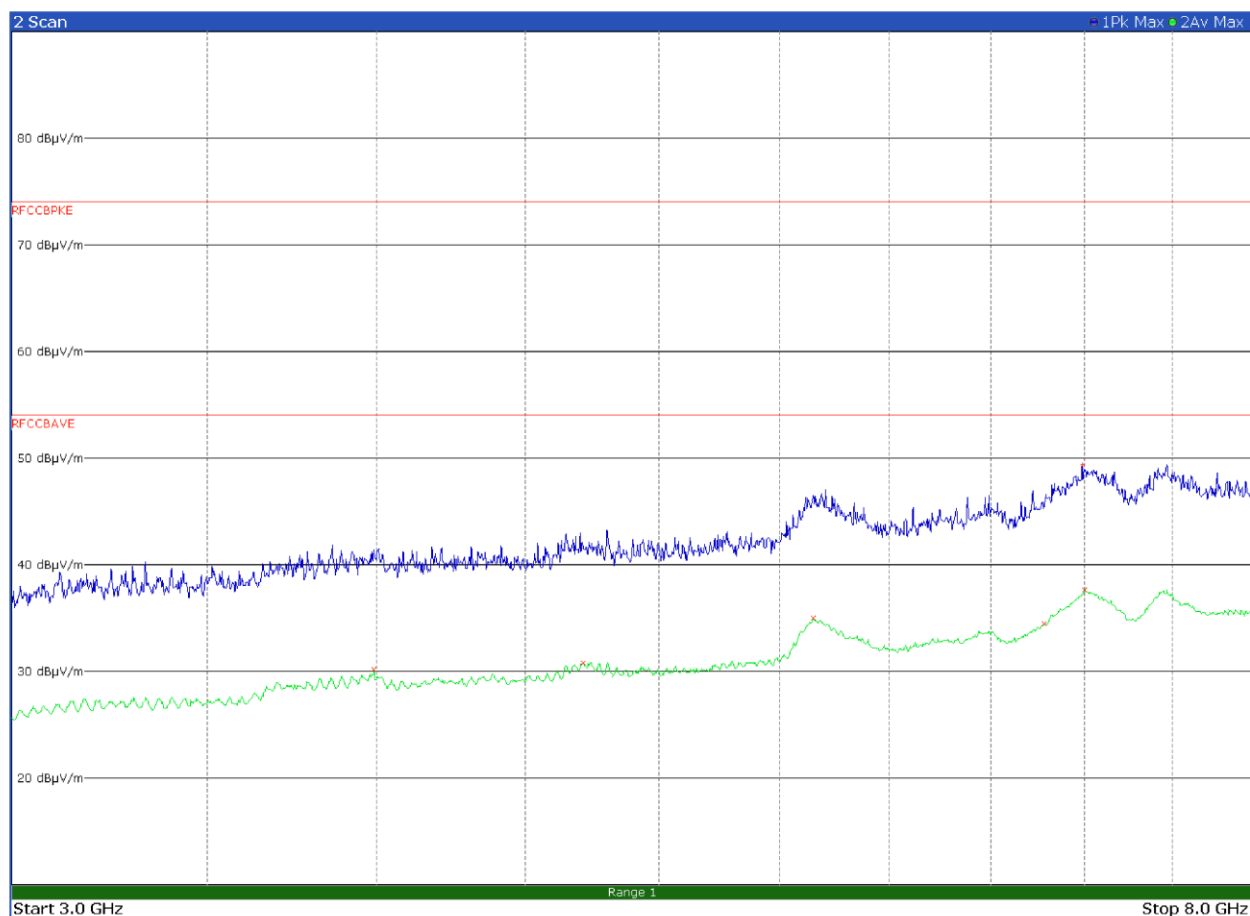
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1267.2500	29.7	54.0	-24.3	Av
1344.0000	34.3	54.0	-19.7	Av
1420.7500	34.0	54.0	-20.0	Av
1497.5000	33.4	54.0	-20.6	Av
1574.5000	33.8	54.0	-20.2	Av
1651.2500	41.2	54.0	-12.8	Av
1766.5000	38.6	54.0	-15.4	Av
1804.7500	36.4	54.0	-17.6	Av
1920.0000	30.6	54.0	-23.4	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	1	1	1	Range 3 to 8 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					



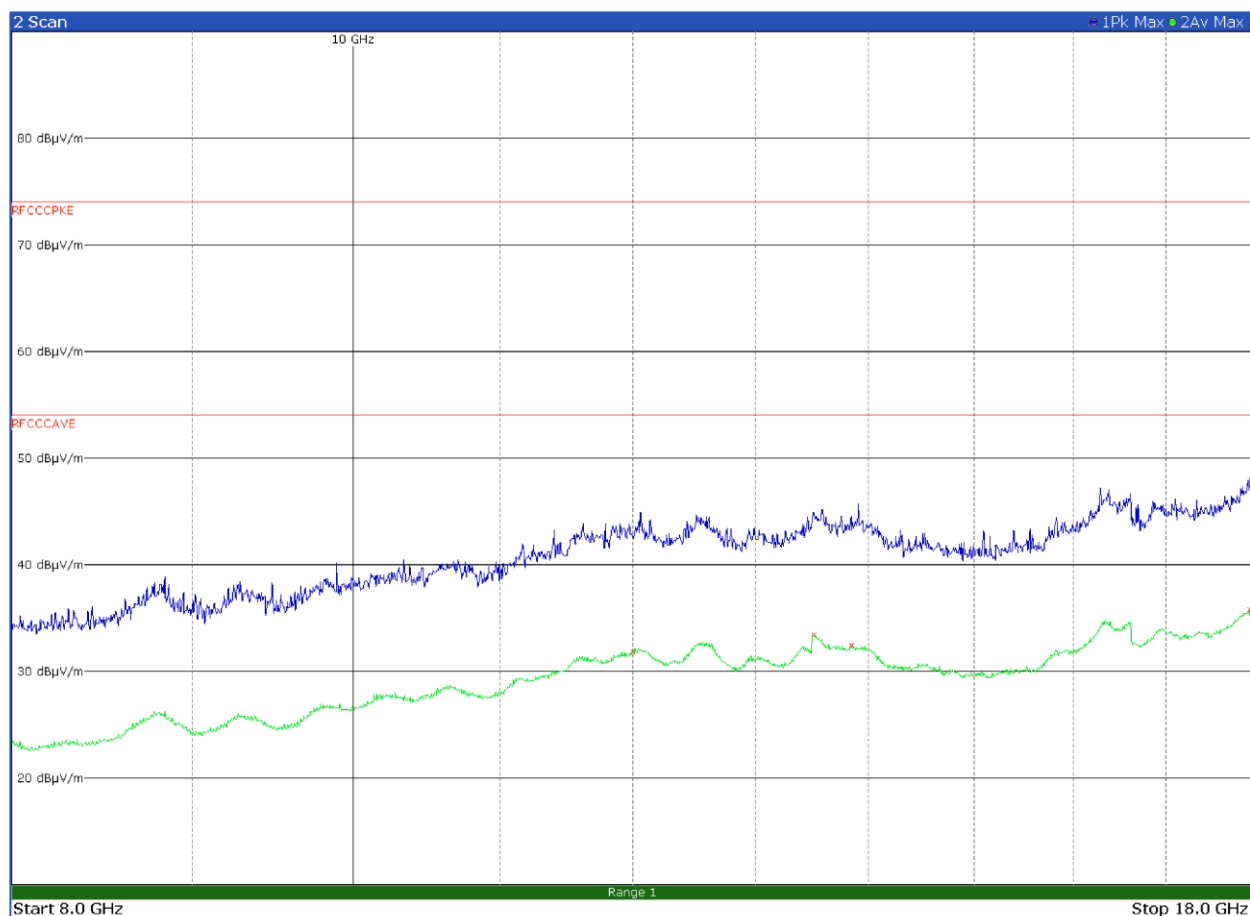
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
3952.7500	29.8	54.0	-24.2	Av
4772.0000	31.0	54.0	-23.0	Av
5681.0000	34.9	54.0	-19.1	Av
6784.0000	34.5	54.0	-19.5	Av
7436.0000	37.7	54.0	-16.3	Av
7485.2500	49.7	74.0	-24.3	Pk

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	1	1	1	Range 3 to 8 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					



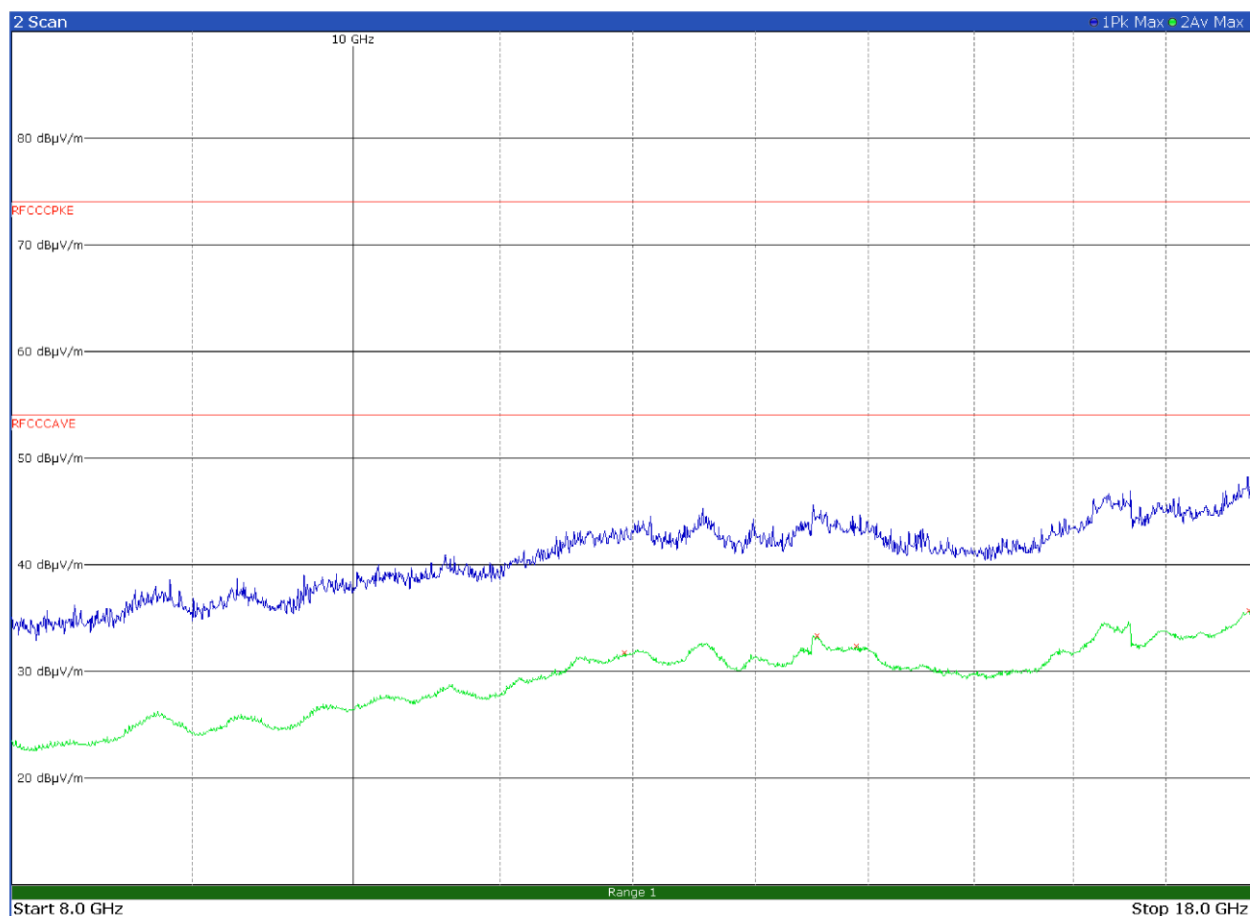
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
3993.5000	30.2	54.0	-23.8	Av
4710.0000	30.9	54.0	-23.1	Av
5651.0000	35.0	54.0	-19.0	Av
6779.5000	34.6	54.0	-19.4	Av
6986.5000	49.5	74.0	-24.5	Pk
7001.5000	37.7	54.0	-16.3	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	1	1	1	Range 8 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					



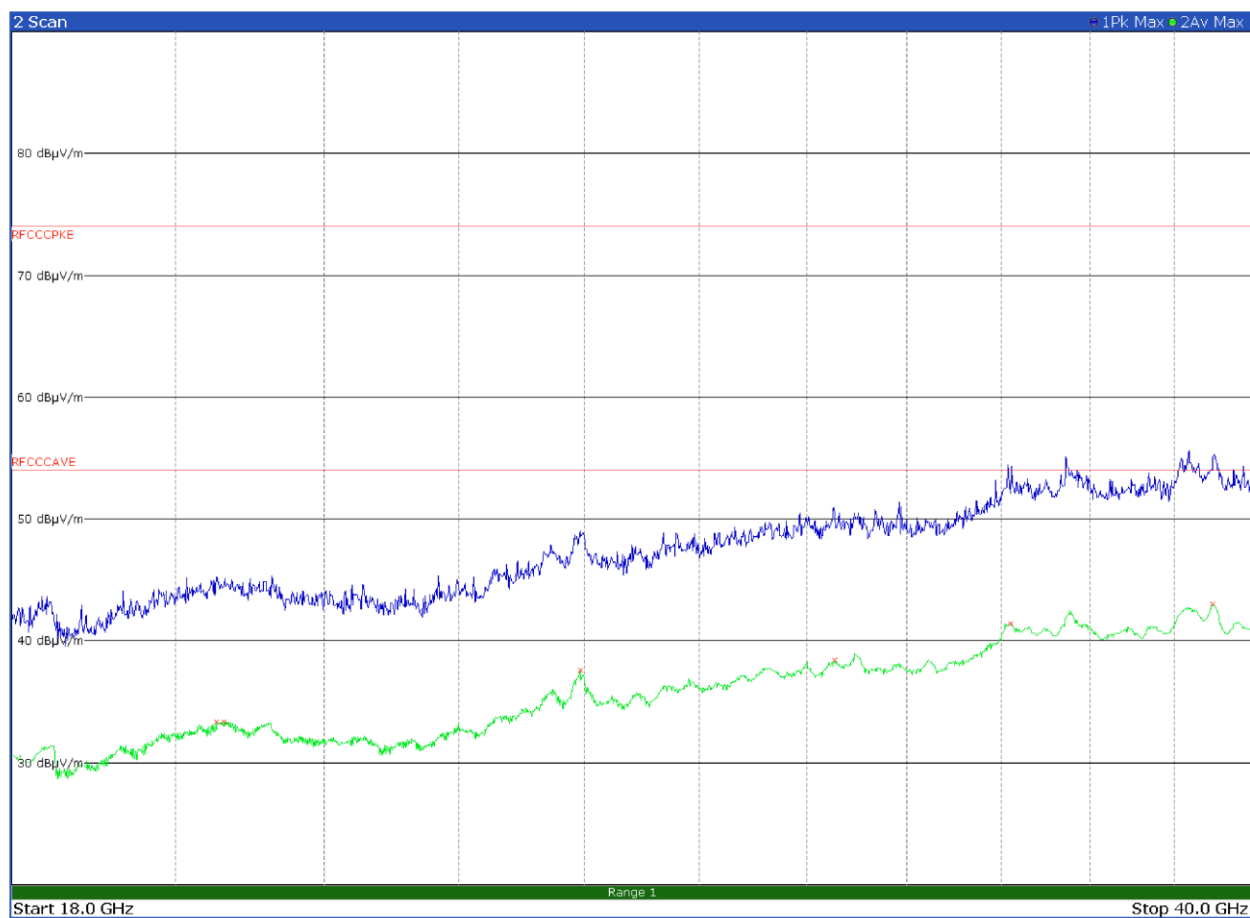
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
11999.2500	31.9	54.0	-22.1	Av
13513.2500	33.4	54.0	-20.6	Av
13839.7500	32.5	54.0	-21.5	Av
17961.5000	35.8	54.0	-18.2	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	1	1	1	Range 8 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					



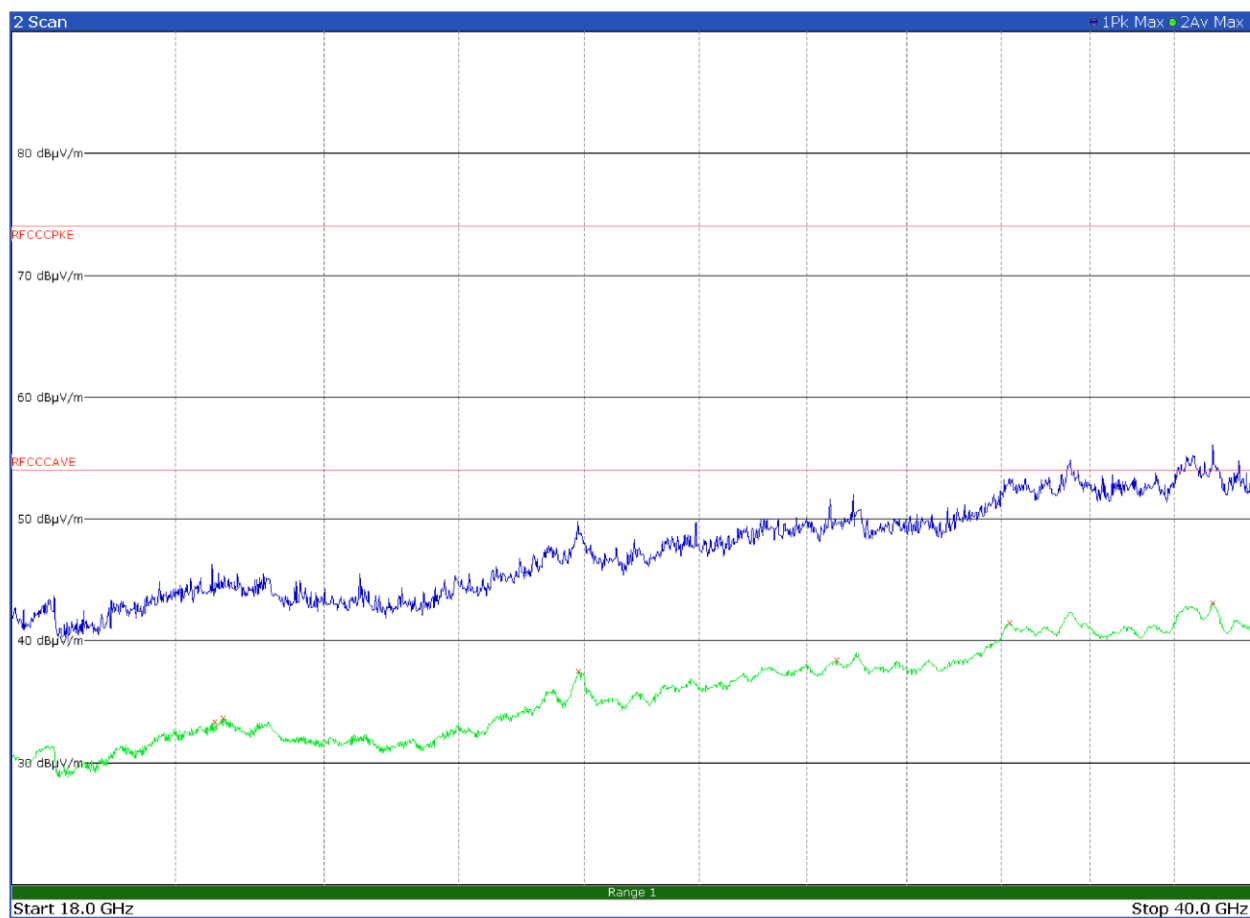
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
11936.7500	31.8	54.0	-22.2	Av
13534.5000	33.4	54.0	-20.6	Av
13882.5000	32.4	54.0	-21.6	Av
17940.7500	35.8	54.0	-18.2	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	1	1	1	Range 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					



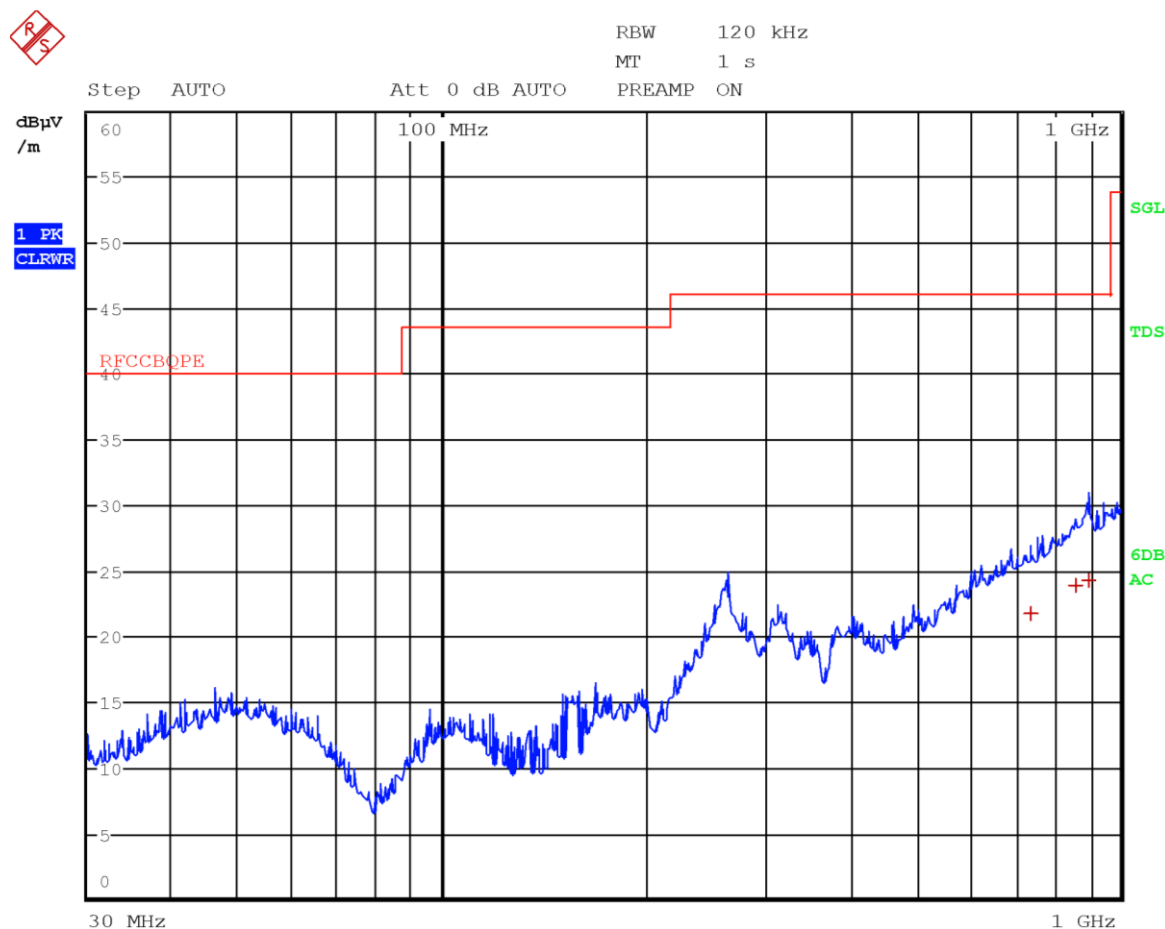
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
20538.2500	33.4	54.0	-20.6	Av
20629.7500	33.4	54.0	-20.6	Av
25939.2500	37.6	54.0	-16.4	Av
30559.0000	38.5	54.0	-15.5	Av
34220.5000	41.4	54.0	-12.6	Av
38959.7500	43.0	54.0	-11.0	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	1	1	1	Range 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
20509.7500	33.4	54.0	-20.6	Av
20625.5000	33.7	54.0	-20.3	Av
25908.7500	37.6	54.0	-16.4	Av
30587.0000	38.5	54.0	-15.5	Av
34193.2500	41.5	54.0	-12.5	Av
38959.7500	43.2	54.0	-10.8	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	2	1	1	Range 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					



Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
736.8000	21.7	46.0	-24.3	QP
861.2800	23.9	46.0	-22.1	QP
899.1600	24.3	46.0	-21.7	QP

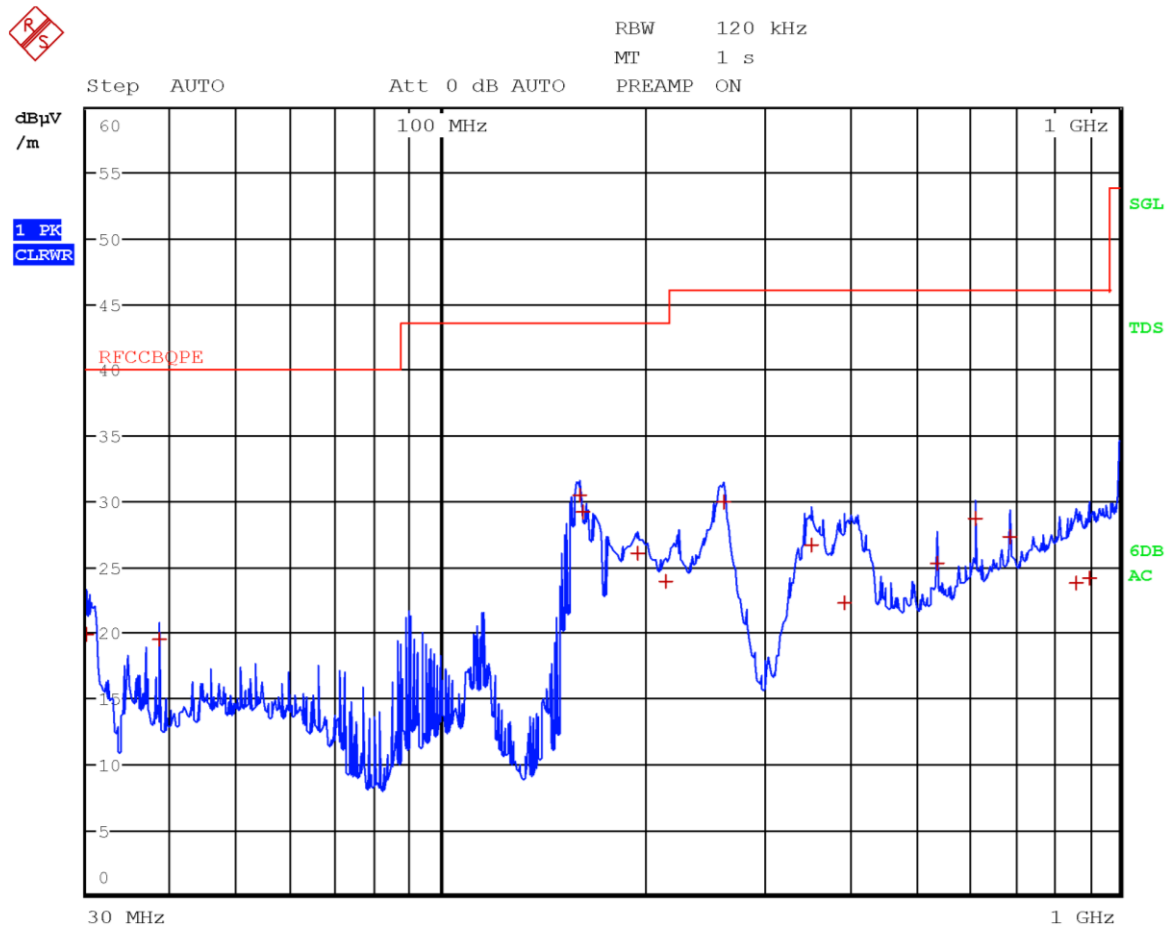
Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	2	1	1	Range 30 to 1000 MHz	P

Notes:

¹ See clause 4.2 EUT Power Supply

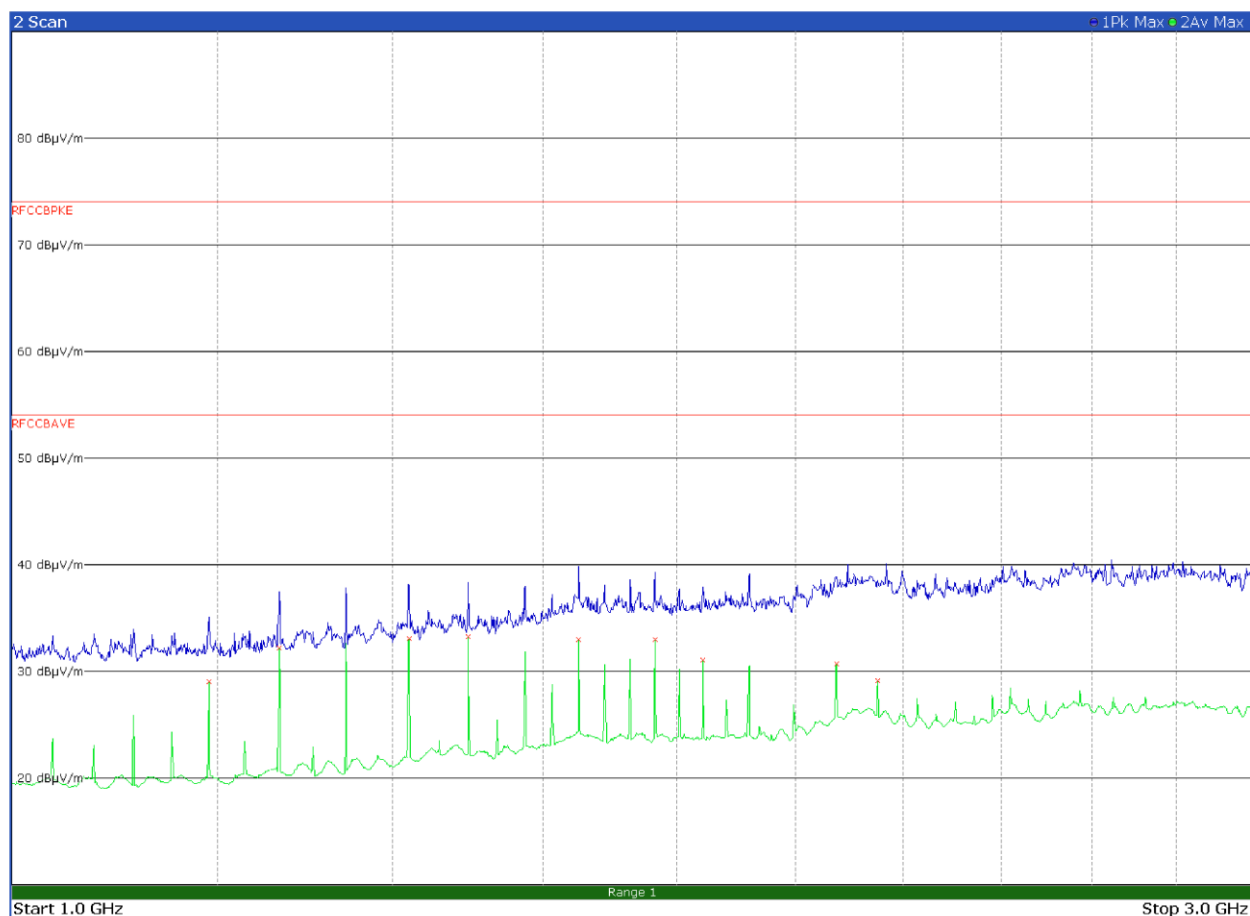
² See clause 4.4 EUT Operation Modes

³ See clause 4.5 EUT Configuration Modes



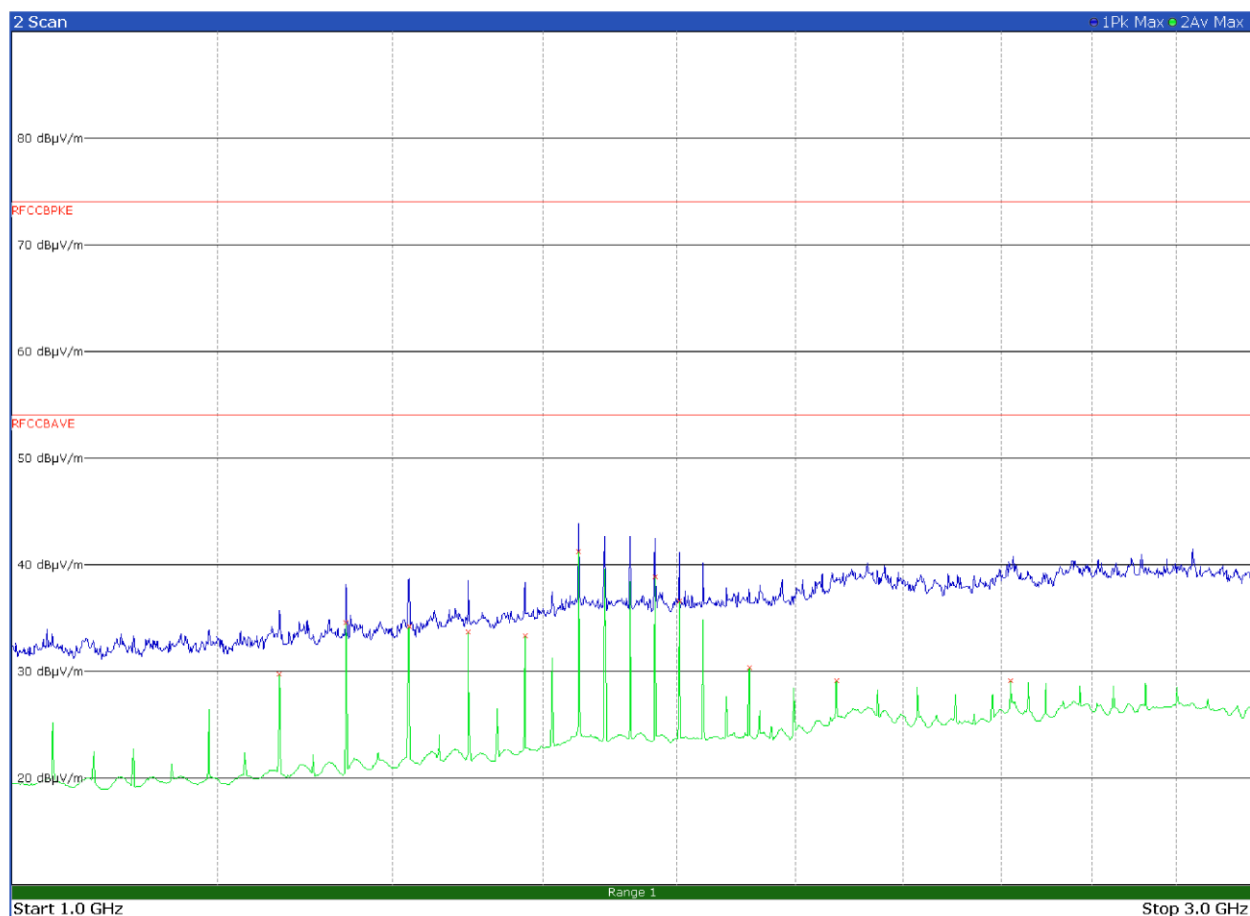
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
30.0400	19.8	40.0	-20.2	QP
38.4000	19.5	40.0	-20.5	QP
159.6400	30.5	43.5	-13.0	QP
162.0400	29.3	43.5	-14.2	QP
195.0800	26.1	43.5	-17.4	QP
214.0800	23.9	43.5	-19.6	QP
260.9200	30.0	46.0	-16.0	QP
350.7600	26.7	46.0	-19.3	QP
394.2000	22.3	46.0	-23.7	QP
537.6000	25.3	46.0	-20.7	QP
614.4000	28.8	46.0	-17.2	QP
691.2000	27.3	46.0	-18.7	QP
865.8400	23.8	46.0	-22.2	QP
904.7200	24.2	46.0	-21.8	QP

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	2	1	1	Range 1 to 3 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					



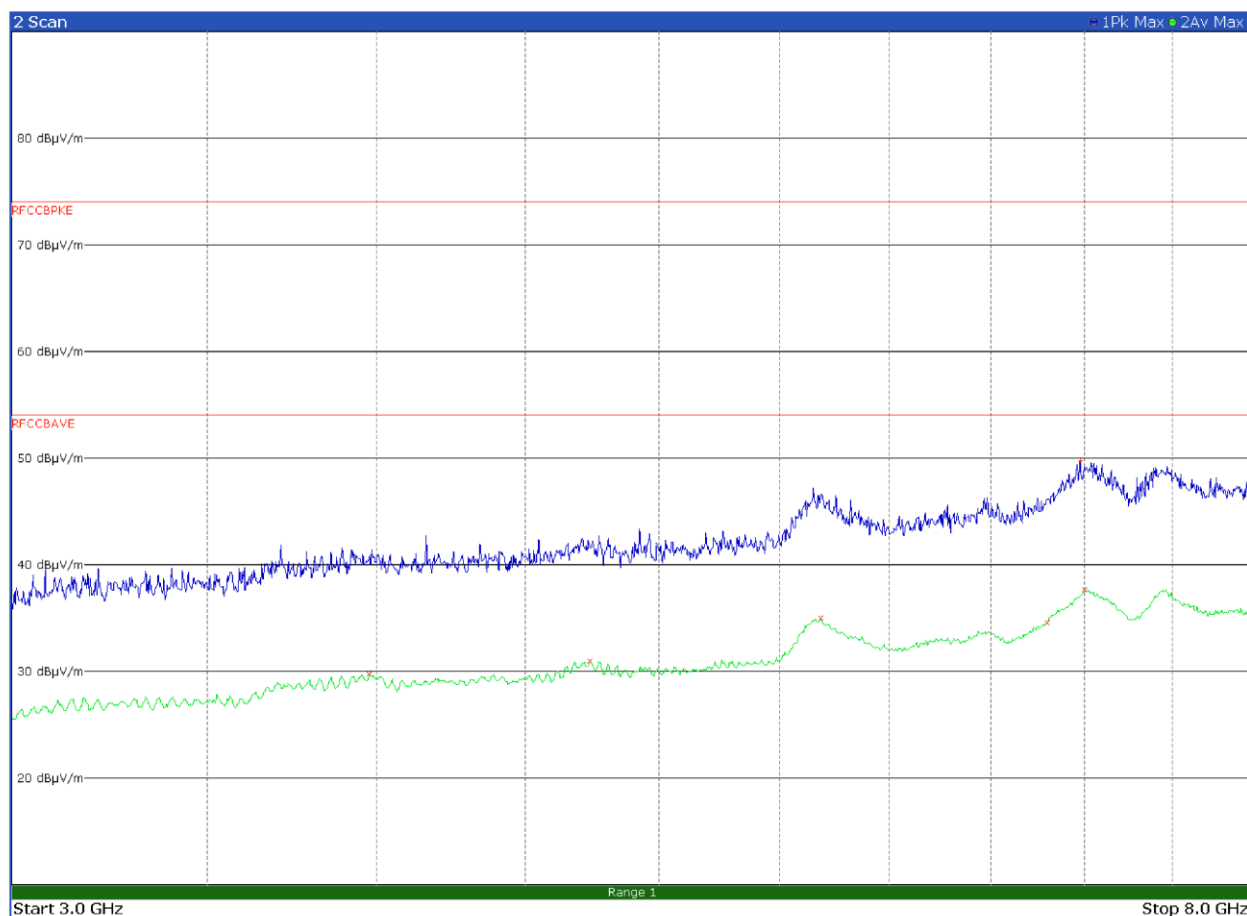
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1190.5000	29.1	54.0	-24.9	Av
1267.2500	32.2	54.0	-21.8	Av
1420.7500	33.1	54.0	-20.9	Av
1497.5000	33.3	54.0	-20.7	Av
1651.2500	33.1	54.0	-20.9	Av
1766.5000	33.1	54.0	-20.9	Av
1843.2500	31.1	54.0	-22.9	Av
2073.5000	30.7	54.0	-23.3	Av
2150.5000	29.2	54.0	-24.8	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	2	1	1	Range 1 to 3 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					



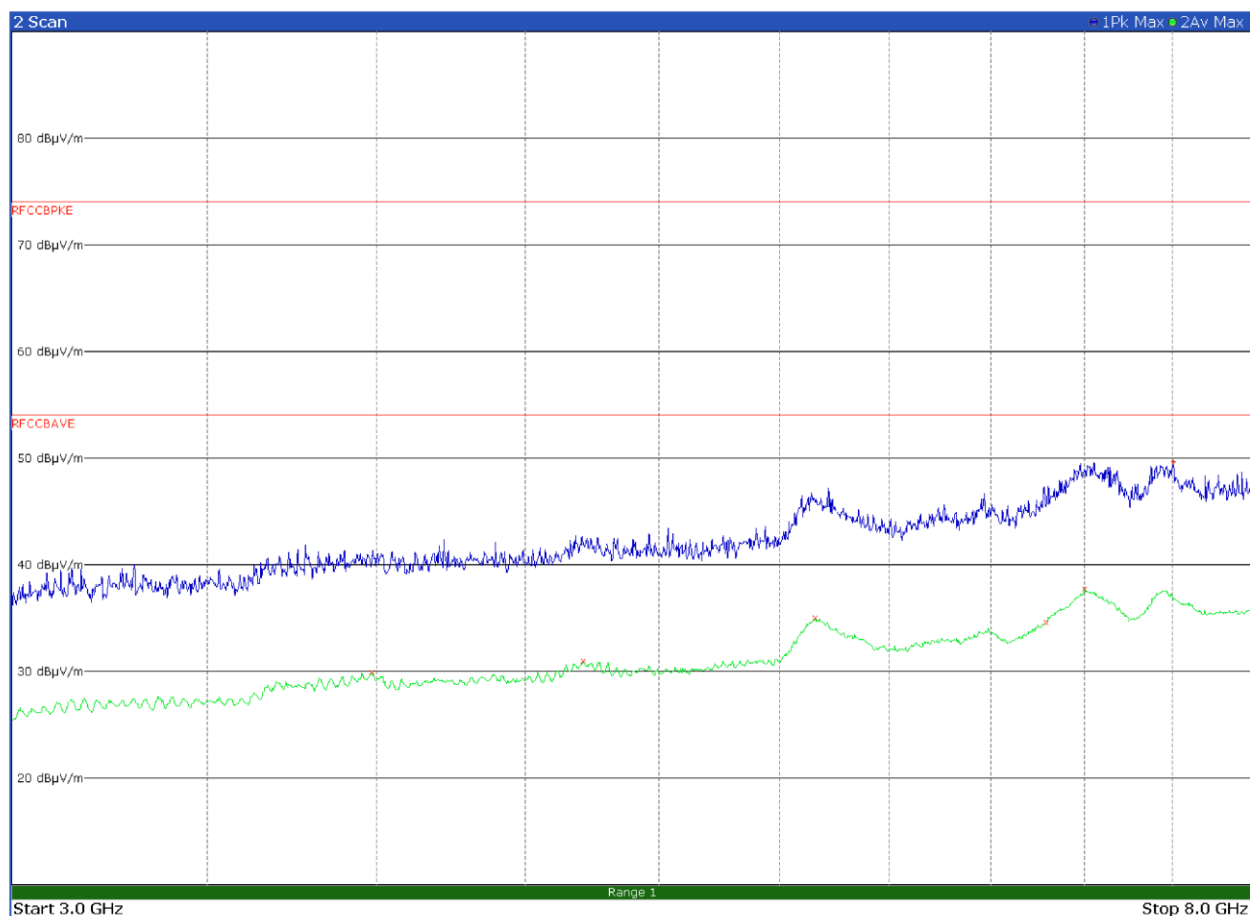
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1267.2500	29.8	54.0	-24.2	Av
1344.0000	34.6	54.0	-19.4	Av
1420.7500	34.3	54.0	-19.7	Av
1497.5000	33.8	54.0	-20.2	Av
1574.5000	33.4	54.0	-20.6	Av
1651.2500	41.2	54.0	-12.8	Av
1766.5000	38.9	54.0	-15.1	Av
1804.7500	36.6	54.0	-17.4	Av
1920.0000	30.4	54.0	-23.6	Av
2073.5000	29.2	54.0	-24.8	Av
2419.2500	29.2	54.0	-24.8	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	2	1	1	Range 3 to 8 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					



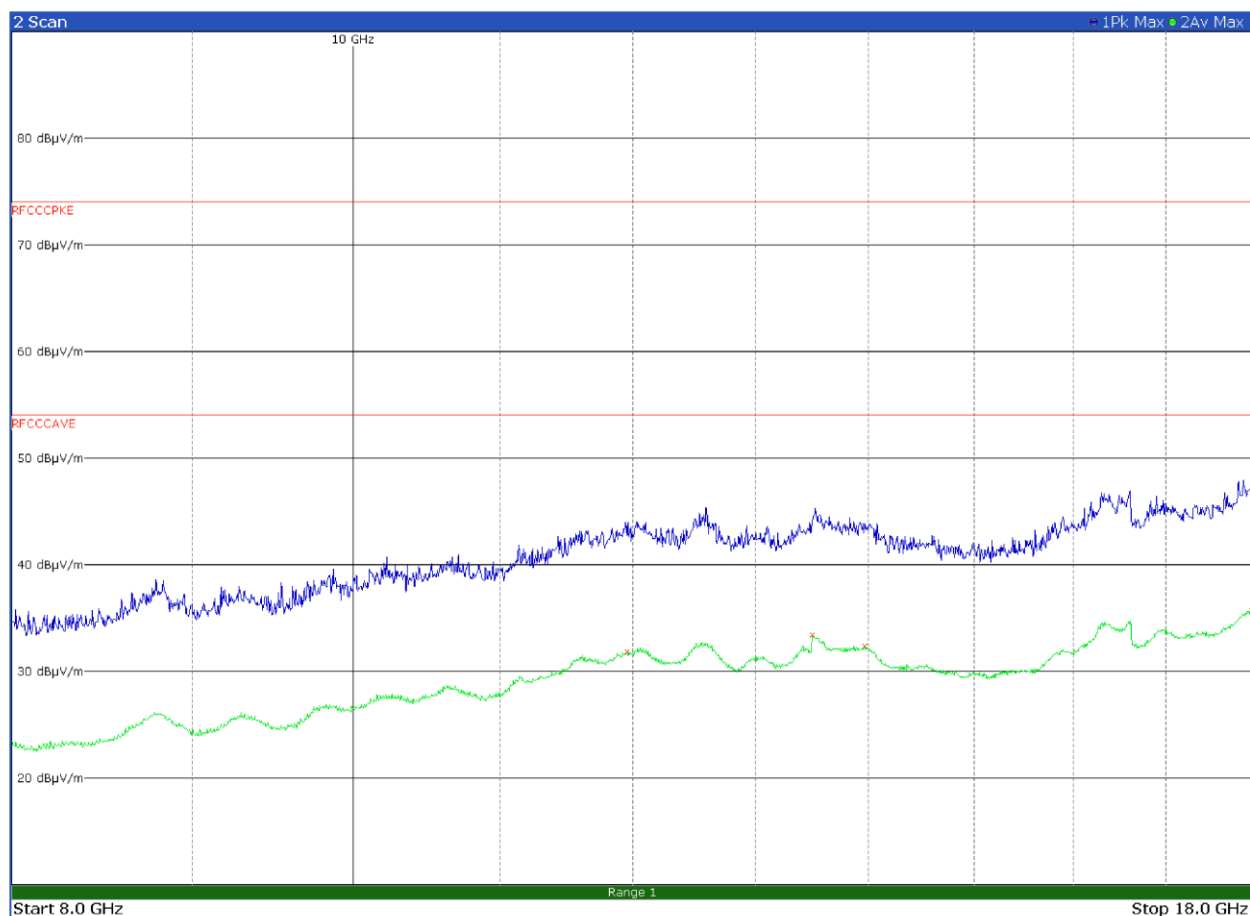
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
3979.2500	29.8	54.0	-24.2	Av
4736.0000	31.0	54.0	-23.0	Av
5682.5000	35.0	54.0	-19.0	Av
6793.5000	34.6	54.0	-19.4	Av
6976.0000	49.8	74.0	-24.2	Pk
6999.5000	37.7	54.0	-16.3	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	2	1	1	Range 3 to 8 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					



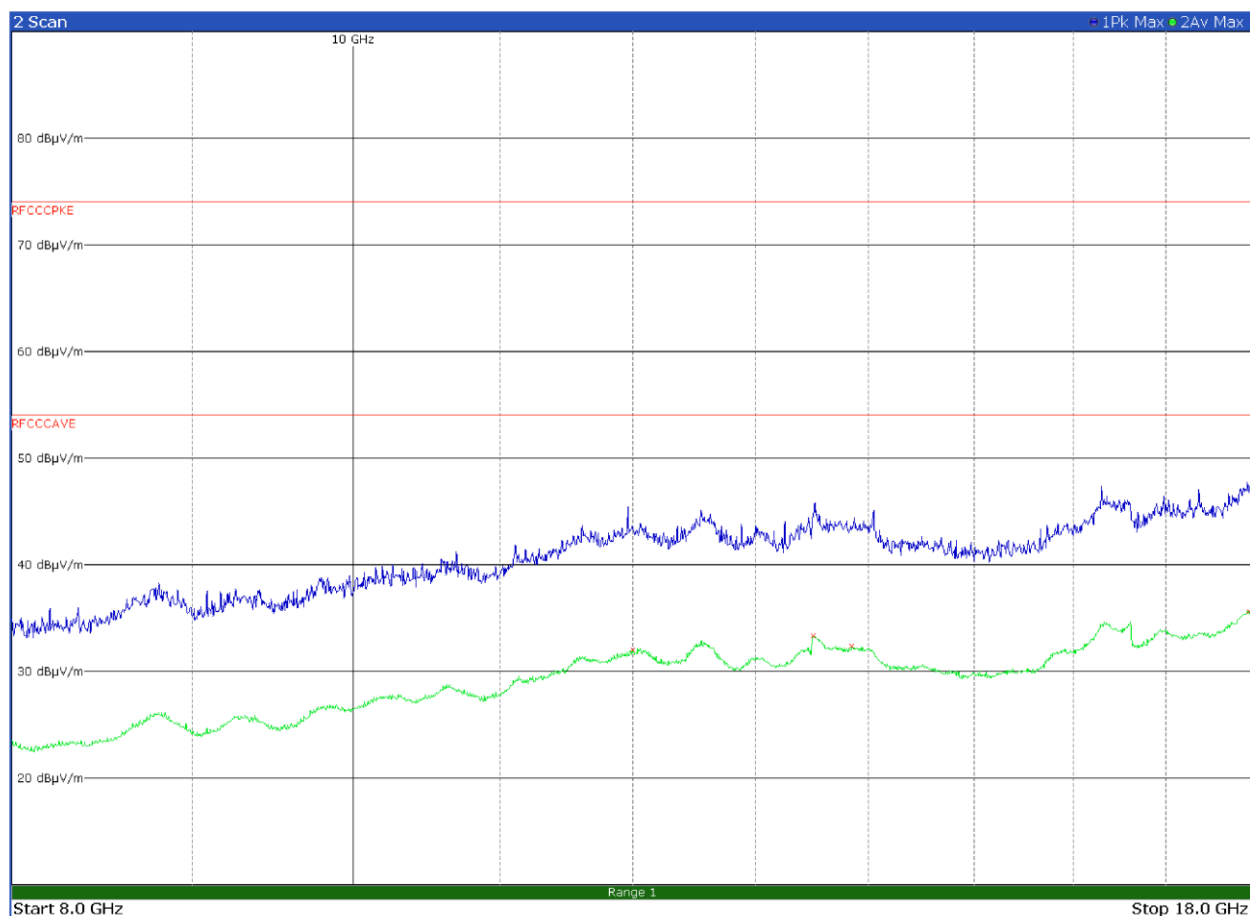
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
3986.5000	30.0	54.0	-24.0	Av
4710.2500	31.0	54.0	-23.0	Av
5659.2500	35.0	54.0	-19.0	Av
6788.2500	34.6	54.0	-19.4	Av
7000.0000	37.8	54.0	-16.2	Av
7509.0000	49.7	74.0	-24.3	Pk

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	2	1	1	Range 8 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					



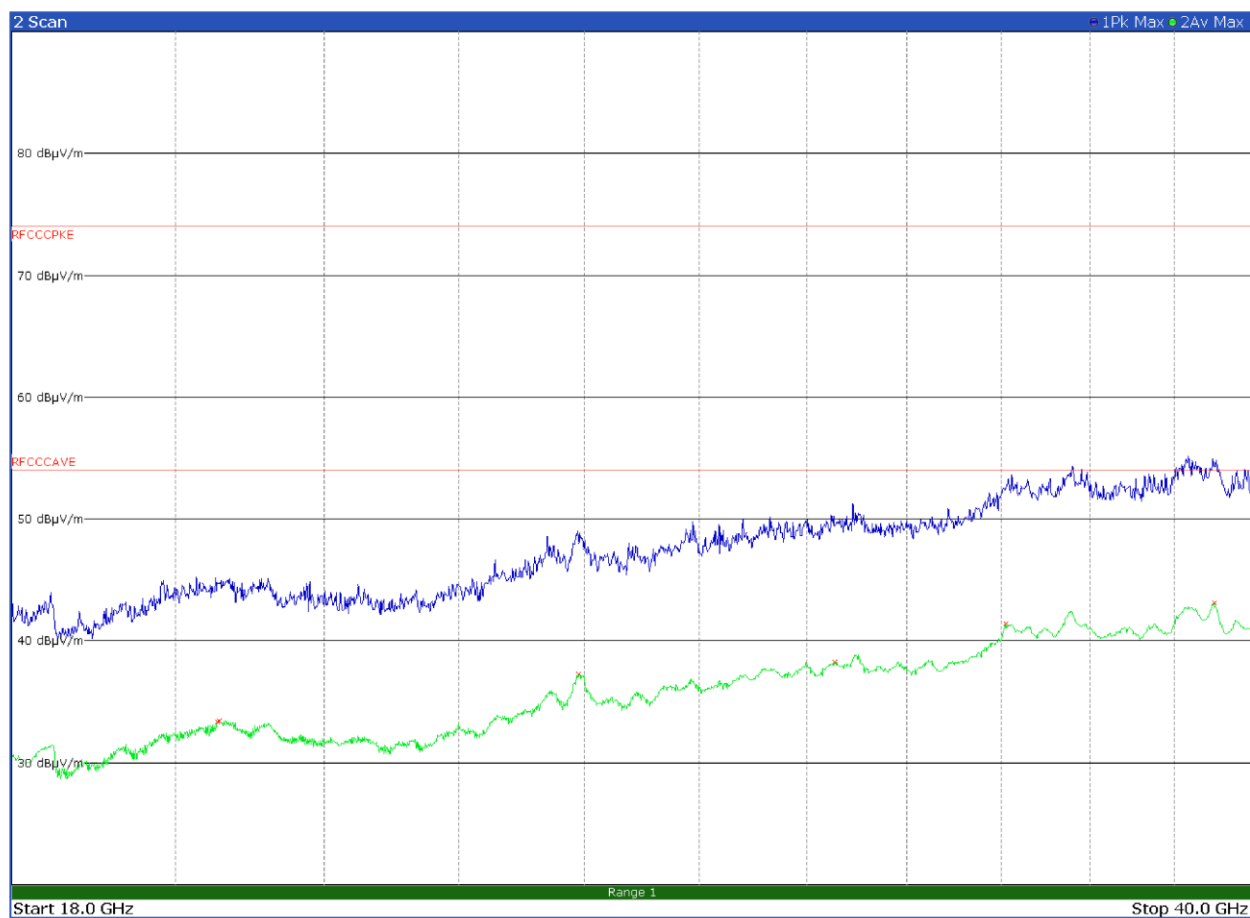
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
11956.7500	31.9	54.0	-22.1	Av
13494.0000	33.4	54.0	-20.6	Av
13964.7500	32.4	54.0	-21.6	Av
17981.7500	35.7	54.0	-18.3	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	2	1	1	Range 8 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					



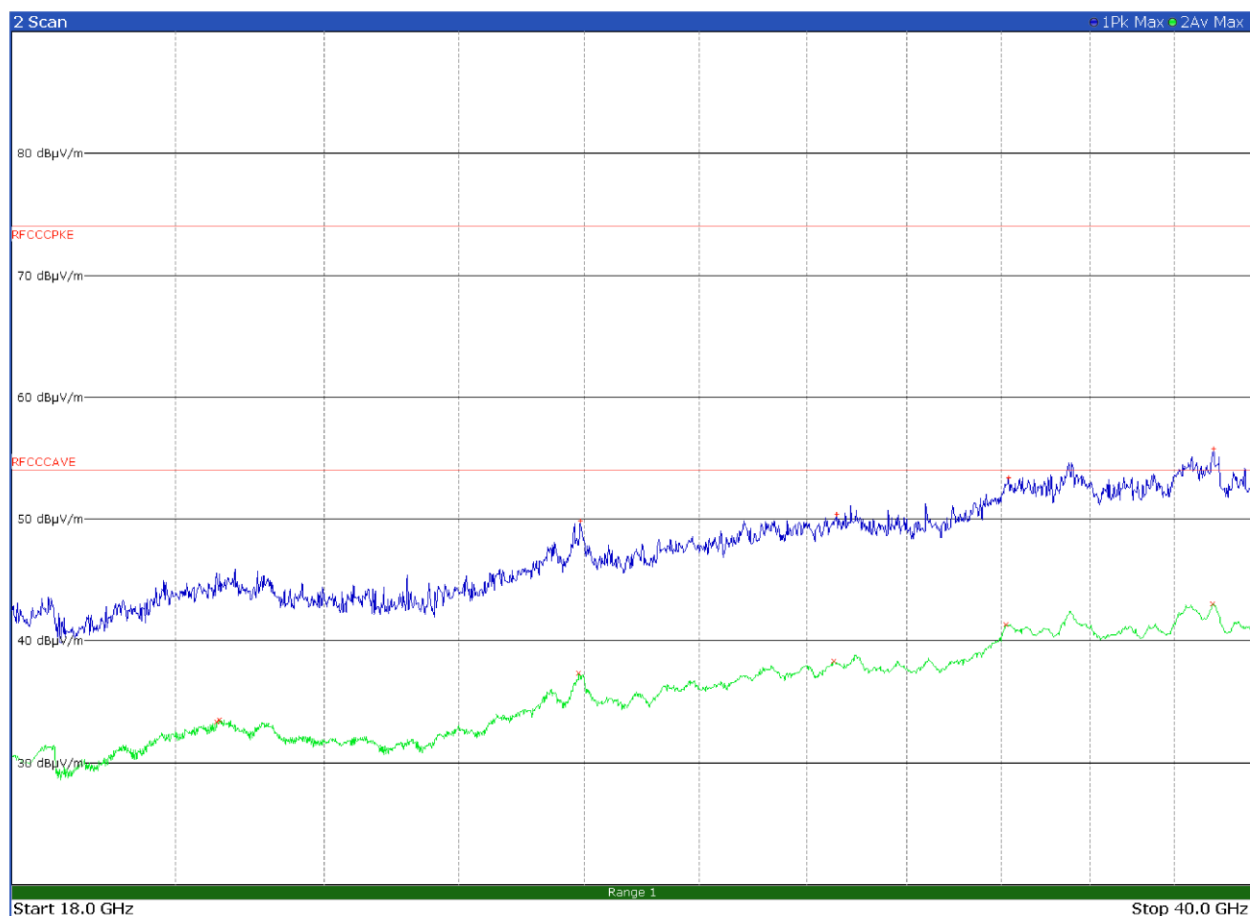
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
11998.7500	32.0	54.0	-22.0	Av
13502.7500	33.4	54.0	-20.6	Av
13842.2500	32.4	54.0	-21.6	Av
17941.2500	35.6	54.0	-18.4	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Horizontal	2	1	1	Range 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					



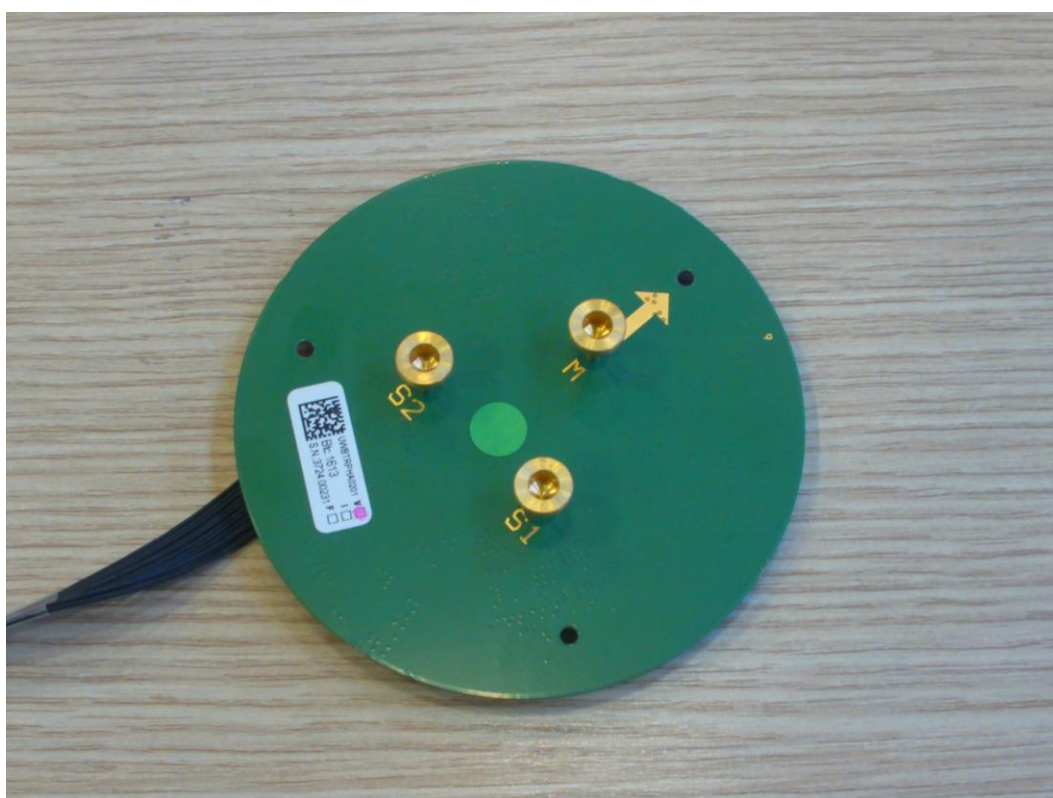
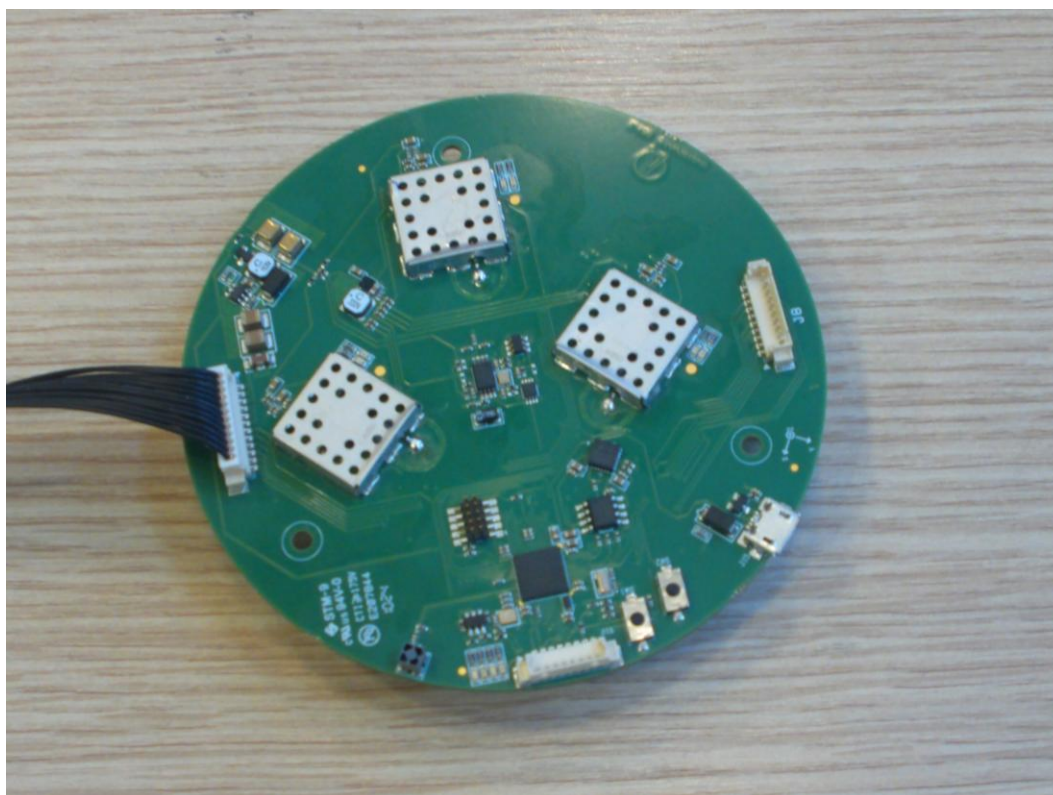
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
20540.0000	33.4	54.0	-20.6	Av
20569.7500	33.5	54.0	-20.5	Av
25907.2500	37.3	54.0	-16.7	Av
30558.2500	38.3	54.0	-15.7	Av
34101.5000	41.5	54.0	-12.5	Av
38992.5000	43.1	54.0	-10.9	Av

Antenna Polarization	Supply Voltage ¹	Test Mode		Remarks	Verdict
		Operation ²	Configuration ³		
Vertical	2	1	1	Range 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
20538.5000	33.4	54.0	-20.6	Av
20570.0000	33.6	54.0	-20.4	Av
25909.5000	37.4	54.0	-16.6	Av
25938.0000	49.9	74.0	-24.1	Pk
30527.7500	38.4	54.0	-15.6	Av
30590.0000	50.5	74.0	-23.5	Pk
34101.7500	41.4	54.0	-12.6	Av
34160.5000	53.5	74.0	-20.5	Pk
38957.2500	43.1	54.0	-10.9	Av
38985.2500	55.8	74.0	-18.2	Pk

6 EUT PHOTOS



End of report