

Test report No:
84979REM.010

Test report

FCC Rules and Regulations CFR 47, Part 18, Subpart C (10-1-24 Edition) and RSS-216 Issue 3 (September 2024)

(*) Identification of item tested	Charger for Wellness ring
(*) Trademark	Oura
(*) Model and /or type reference	OA14
Other identification of the product	FCC ID: 2AD7V-OURA2602 IC: 20635-OURA2602
(*) Features	Features: Inductive charging WTP HW version: 01 SW version: 0.8.1
(*) Manufacturer	Oura Health Oy Elektroniikkatie 10, 90590 Oulu, Finland
Test method requested, standard	FCC Rules and Regulations CFR 47, Part 18, Subpart C (10-1-24 Edition) and RSS-216 Issue 3 (September 2024)
Summary	IN COMPLIANCE
Approved by (name / position & signature)	José Manuel Gómez Galván EMC Consumer & RF Lab. Manager  Firmado digitalmente por 53680346W JOSE MANUEL GOMEZ (C:A29507456) Fecha: 2026.02.06 10:57:13 +01'00'
Date of issue	2026-02-06
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Acronyms

Acronym ID	Acronym Description
Code	EMC Test Code
Freq Rng [L]	Frequency Range [Lower Limit]
Freq Rng [U]	Frequency Range [Upper Limit]
MP	Measurement Point
OM	Operation Mode
S/	Sample
V	Verdict

Competences and guarantees

DEKRA Testing and Certification S.A.U. is a testing laboratory accredited by the National Accreditation Body (ENAC -Entidad Nacional de Acreditación), to perform the tests indicated in the Certificate No. 51/LE 147.

In order to assure the traceability to other national and international laboratories, DEKRA Testing and Certification S.A.U. has a calibration and maintenance program for its measurement equipment.

DEKRA Testing and Certification S.A.U. guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at DEKRA Testing and Certification S.A.U. at the time of performance of the test.

DEKRA Testing and Certification S.A.U. is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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General conditions

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA Testing and Certification S.A.U.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA Testing and Certification S.A.U. and the Accreditation Bodies.

Uncertainty

Uncertainty (factor $k=2$) was calculated according to the DEKRA Testing and Certification S.A.U. internal document PODT000.

The total uncertainty of the measurement system for the measured conducted disturbance characteristics of EUT from 150 kHz to 30 MHz is $I = \pm 3,9$ dB for quasi-peak measurements, $I = \pm 3,2$ dB for peak measurements ($k = 2$).

The total uncertainty of the measurement system for the measured radio disturbance characteristics of EUT from 30 MHz to 1000 MHz is $I = \pm 4,9$ dB for quasi-peak measurements, $I = \pm 4,6$ dB for peak measurements ($k = 2$).

The total uncertainty of the measurement system for the measured radio disturbance characteristics of EUT from 1000 MHz to 12.75 GHz is $I = \pm 2,6$ dB for peak and average measurements ($k = 2$).

Data provided by the client

The following data has been provided by the client:

1. Information relating to the description of the sample ("Identification of the item tested", "Trademark", "Model and/or type reference tested", "Manufacturer").
2. The sample consists of Charger for Wellness ring. Wellness ring and app designed to help user gets more restful sleep and performs better.

DEKRA Testing and Certification S.A.U. declines any responsibility with respect to the information provided by the client and that may affect the validity of results. The laboratory is not responsible for such information and it is not covered by accreditation.

Usage of samples

Samples undergoing test have been selected by: The client.

Id	Control Number	Description	Model	Serial N°	Date of Reception	Application
S/01	84979_13.1	Charge Base	OA14	--	2025-12-05	Element Under Test
	78472_90.1	Power adapter USB-C	A2347	--	2024-03-11	Auxiliary Element
	84979_16.1	USB Cable	--	--	2025-12-05	Auxiliary Element
	84979_4.1	Smart Ring	OA13	--	2025-12-05	Auxiliary Element

Notes referenced to samples during the project:

Test sample description

Ports..... :	Port name and description	Cable					
		Specified max length [m]	Attached during test	Shielded	Coupled to patient ⁽³⁾		
	USB-C		☒	☐	☐		
			☐	☐	☐		
			☐	☐	☐		
			☐	☐	☐		
Supplementary information to the ports..... :							
Rated power supply	Voltage and Frequency		Reference poles				
			L1	L2	L3	N	PE
	☐	AC:	☐	☐	☐	☐	☐
	☐	AC:	☐	☐	☐	☐	☐
	☒	DC: 5V					
☐	DC:						
Rated Power							
Clock frequencies..... :							
Other parameters							
Software version	0.8.1						
Hardware version	01						
Dimensions in cm (W x H x D)	5.0 x 5.0 x 1.57						
Mounting position	☒	Table top equipment					
	☐	Wall/Ceiling mounted equipment					
	☐	Floor standing equipment					
	☐	Hand-held equipment					
	☐	Other:					

Modules/parts.....:	Module/parts of test item	Type	Manufacturer
			
			
			
			
Accessories (not part of the test item):	Description	Type	Manufacturer
			
			
			
			
			
			
Documents as provided by the applicant.....:	Description	File name	Issue date
			
			
			
			

⁽³⁾ Only for Medical Equipment

Identification of the client

Oura Health Oy
Elektroniikkatie 10, 90590 Oulu, Finland

Testing period and place

Test Location	DEKRA TESTING AND CERTIFICATION S.A.U. C/ Margarita Salas Boulevard, 26 - Parque Tecnológico de Andalucía; 29590 Campanillas (Málaga) (Location D)
Date (start)	2025-12-09
Date (finish)	2025-12-10

Document history

Report number	Date	Description
84979REM.010	2026-02-06	First release

Environmental conditions

In the control chamber, the following limits were not exceeded during the test:

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 30 % Max. = 75 %
Air pressure	Min. = 860mbar Max. = 1060mbar

In the semianechoic chamber, the following limits were not exceeded during the test.

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 30 % Max. = 75 %
Air pressure	Min. = 860mbar Max. = 1060mbar

In the chamber for conducted measurements, the following limits were not exceeded during the test:

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 30 % Max. = 60 %
Air pressure	Min. = 860mbar Max. = 1060mbar

Remarks and comments

The tests have been performed by the technical personnel: Rubén Mora Fernandez.

Testing verdicts

Fail	F
Inconclusive	I
Not applicable	N/A
Not measured	N/M
Pass	P

List of equipment used during the test

Control No.	Equipment	Model	Manufacturer	Next Calibration
09968	HYBRID BILOG ANTENNA 30MHz-6GHz	3142E	ETS LINDGREN	2026-09-22
10304	EMI TEST RECEIVER 2Hz-44GHz	ESW44	ROHDE AND SCHWARZ	2026-10-01
10410	ACTIVE LOOP ANTENNA 9kHz-30MHz	FMZB 1519-60 D	SCHWARZBECK	2027-05-08
08130	SEMIANECHOIC ABSORBER LINED CHAMBER	P29419	ALBATROSS	--
08134	SHIELDED ROOM	P29419	ALBATROSS PROJECTS GMBH	--
07550	TEMPERATURE AND HUMIDITY PROBE	HWg-STE	HW GROUP	2026-04-23
07549	TEMPERATURE AND HUMIDITY PROBE	HWg-STE	HW GROUP	2026-04-23
07822	EMC SOFTWARE	RADIMATION	DARE INSTRUMENTS	--
07853	EMI RECEIVER 10Hz-30MHz	PMM 9010F	NARDA	2026-04-05
07549	TEMPERATURE AND HUMIDITY PROBE	HWg-STE	HW GROUP	2026-04-23
07859	THREE-PHASE ARTIFICIAL NETWORK 32A	PMM L3-32	NARDA	2026-03-20

Summary

Test Specification	Requirement – Test case	Verdict	Remark
FCC Rules and Regulations CFR 47, Part 18, Subpart C (10-1-24 Edition) RSS-216 Issue 3 (September 2024)	RE Radiated emission. Electromagnetic field measure	P	(1)
	RE Axis Radiated emission. Electromagnetic field measure	P	--
	CE Continuous conducted emission	N/A	(2)
<u>Supplementary information and remarks:</u> (1) Range: $f > 12.75$ GHz. Test required only to the 5th harmonics of the maximum internal work frequency in the EUT. (2) According to Subpart C (18.307), this test is applicable for an intentional radiator that is designed to be connected to the public utility (AC) power line.			

Appendix A: Test results

Appendix A content

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Description of the operation modes

The operation modes described in this paragraph constitute a functionality of the sample under test for itself.

The operation modes used by the samples to which the present report refers, are shown in the following table:

Id	Description
OM/01	EUT ON. Charging ring battery through wireless charger (Power supply: 5Vdc through AC/DC connected to 115Vac, 60Hz).

Test standards version applied

The product standards and test standards applied for each test cases are shown in the following table:

Product Test Standard	Test standard	Requirement – Test case
FCC Rules and Regulations CFR 47, Part 18, Subpart C (10-1-24 Edition)	ANSI C63.4 (2014)	RE Radiated emission.
RSS-216 Issue 3 (September 2024)	ANSI C63.4 (2014)	CE Continuous conducted emission

SAMPLE CALCULATION

For radiated measurements:

Values measures by the test receiver / analyzer are converted to field strength, in dBuV/m, at the regulatory distance using the following calculation:

$$\text{Unwanted Lvl (dBuV/m)} = \text{Raw Rec (dBuV)} + \text{Preamp (dB)} + \text{Trd Corre. (dB/m)} + \text{SigPath (dB)}$$

Where,

Raw Rec (dBuV): Measured voltage in the receiver / spectrum analyzer in dBuV

Preamp (dB): Path loses due to preamplifier

Trd Corr. (dB/m): Antenna factor in dB/m

SigPath (dB) = Cable loss (dB) – External Gain amplifier (dB) – Distance factor (dB)

Cable loss (dB): Cable loss

External Gain amplifier (dB): Gain from external amplifier (when used)

Distance factor (dB): Distance factor in dB. When measurement distance is different to limit distance

The field strength, calculated by this way is compared with the regulatory limit.

Test Cases Details

RE Radiated emission. Electromagnetic field measure

Limits

Limits for FCC part 18.305

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (uV/m)	Distance (meters)
Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500	25	300 ¹⁾
		500 or more	$25 \times \text{SQRT}(\text{power}/500)$	300 ¹⁾
	Any non-ISM frequency	Below 500	15	300 ¹⁾
		500 or more	$15 \times \text{SQRT}(\text{power}/500)$	300 ¹⁾

- 1) Field strength may not exceed 10 $\mu\text{V/m}$ at 1600 meters. Consumer equipment operating below 1000 MHz is not permitted the increase in field strength otherwise permitted here for power over 500 watts.

Limits for RSS-216

Frequency range (MHz)	Quasi-peak, at 3 m distance (dB $\mu\text{A/m}$)
0.009 – 0.07	69
0.07 – 0.15	69 to 39 *
0.15 – 30	39 to 7 *
*The limit level in dB $\mu\text{V/m}$ decreases linearly with the logarithm of frequency.	

Results

SI	OM	Code	Freq Rng [L] (MHz)	Freq Rng [U] (MHz)	V
01	OM/01	RE0101_18.305_Xaxis	0.00900	30.00000	P
01	OM/01	RE0101_18.305_Yaxis	0.00900	30.00000	P
01	OM/01	RE0101_18.305_Zaxis	0.00900	30.00000	P
01	OM/01	RE0101_RSS-216_Xaxis	0.00900	30.00000	P
01	OM/01	RE0101_RSS-216_Yaxis	0.00900	30.00000	P
01	OM/01	RE0101_RSS-216_Zaxis	0.00900	30.00000	P
01	OM/01	RE0101LR	30.00000	1000.00000	P

Verdict

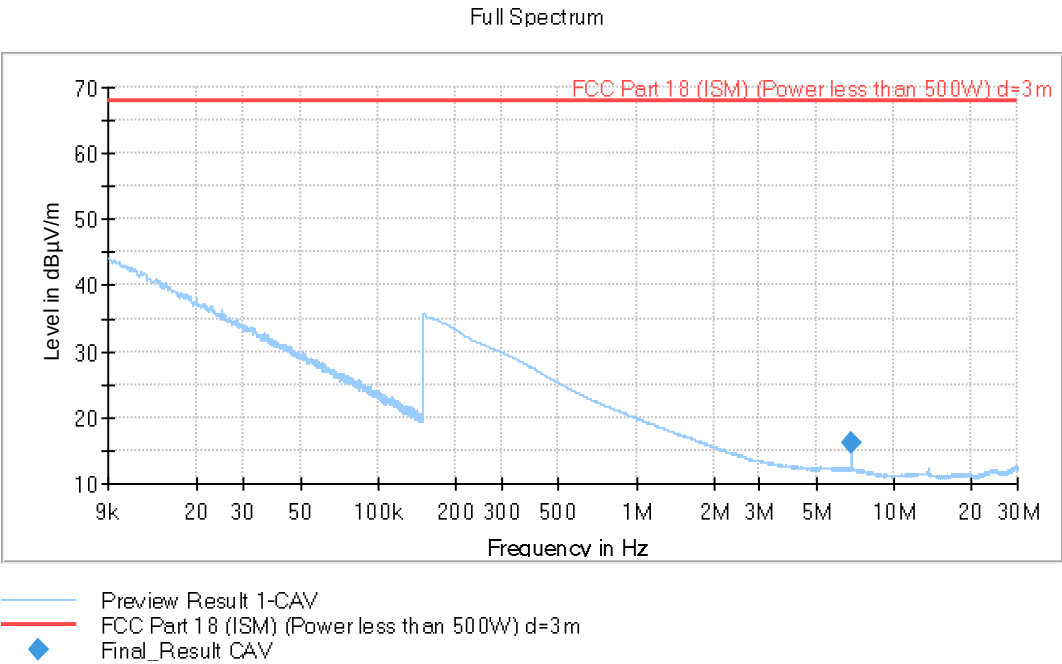
Pass

Attachments

EMC Test Code = RE0101_18.305_Xaxis Frequency Range [Lower Limit] MHz = 0.00900
Frequency Range [Upper Limit] MHz = 30.00000

Sample ID: S/01
Operation Mode: OM/01

Images:



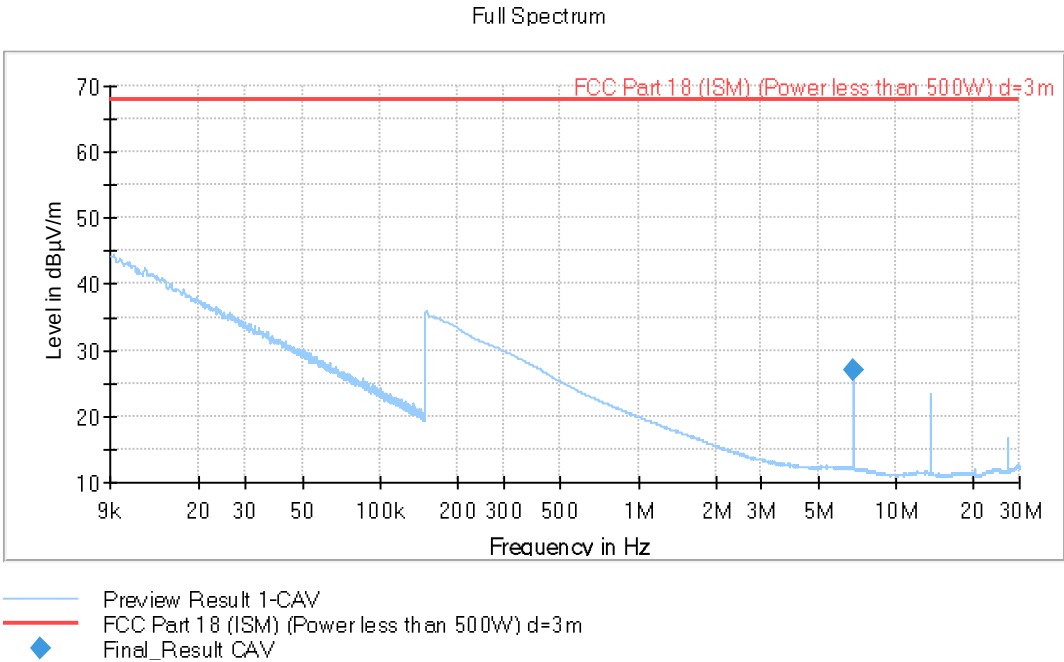
Tables:
Radiated Emission

Frequency (MHz)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB/m)	Raw Rec (dBµV)
6.780750	16.24	63.52	47.28	300.0	0.0	0.1	0.0	19.0	-2.9

EMC Test Code = RE0101_18.305_Yaxis Frequency Range [Lower Limit] MHz = 0.00900
Frequency Range [Upper Limit] MHz = 30.00000

Sample ID: S/01
Operation Mode: OM/01

Images:



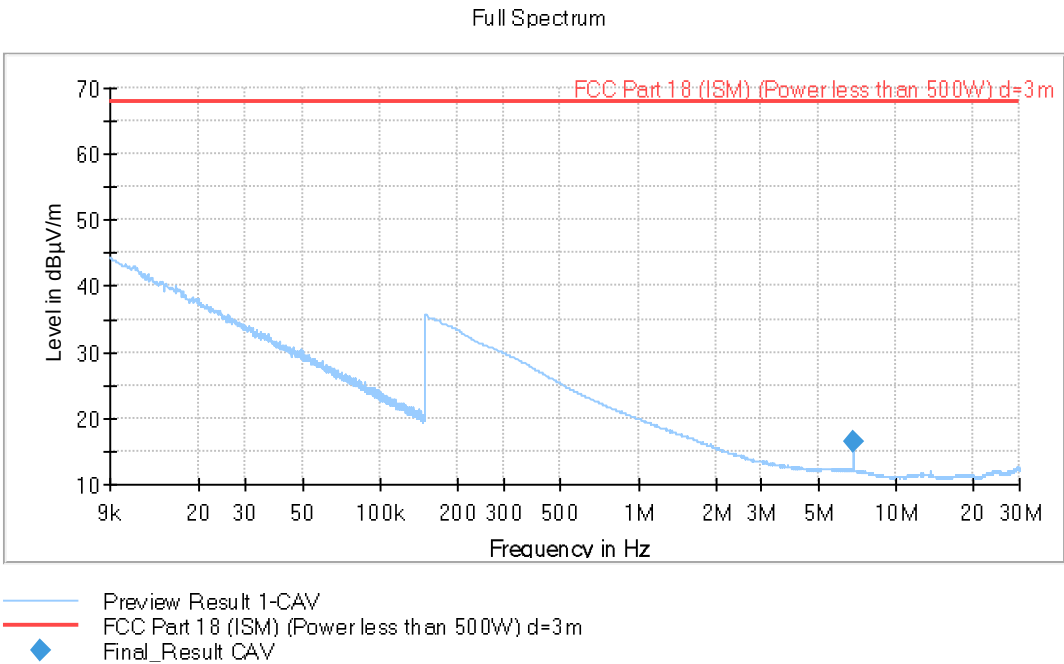
Tables:
Radiated Emission

Frequency (MHz)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB/m)	Raw Rec (dBµV)
6.780750	27.02	63.52	36.50	300.0	90.0	0.1	0.0	19.0	7.9

EMC Test Code = RE0101_18.305_Zaxis Frequency Range [Lower Limit] MHz = 0.00900
Frequency Range [Upper Limit] MHz = 30.00000

Sample ID: S/01
Operation Mode: OM/01

Images:



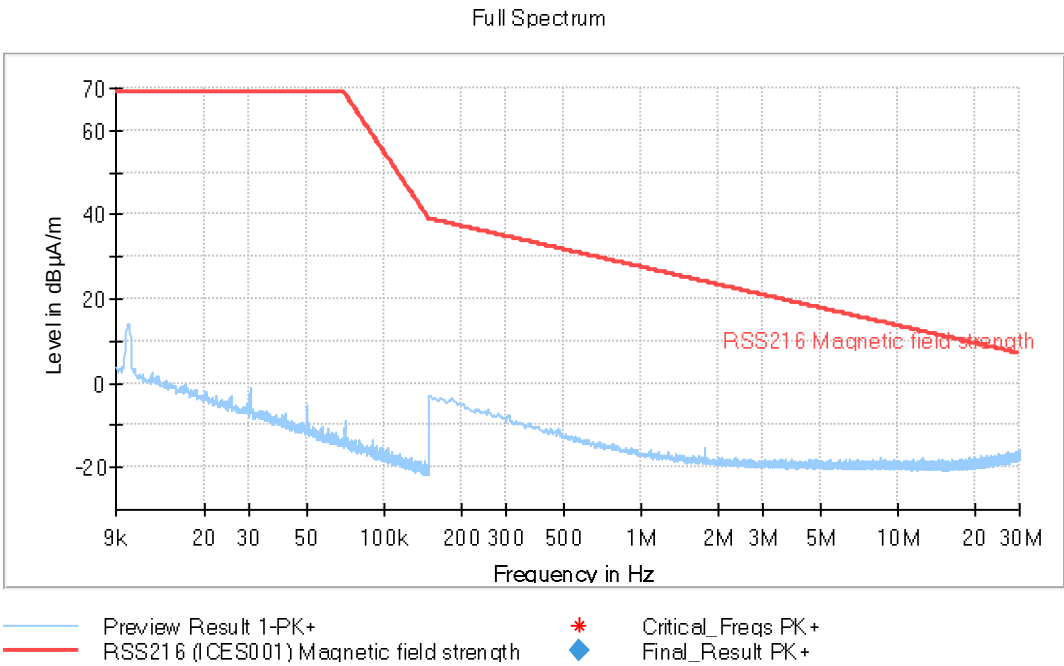
Tables:
Radiated Emission

Frequency (MHz)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB/m)	Raw Rec (dBµV)
6.780750	16.41	63.52	47.11	300.0	0.0	0.1	0.0	19.0	-2.7

EMC Test Code = RE0101_RSS-216_Xaxis Frequency Range [Lower Limit] MHz = 0.00900
Frequency Range [Upper Limit] MHz = 30.00000

Sample ID: S/01
Operation Mode: OM/01

Images:



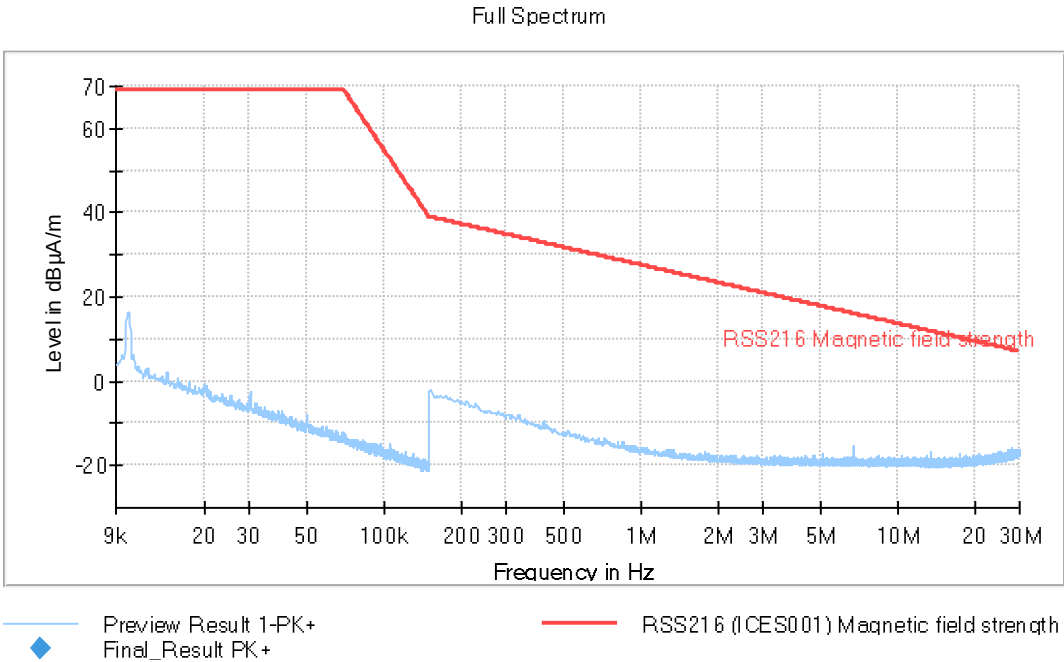
Tables:
Radiated Emission

Frequency (MHz)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Sig Path (dB)	Preampl (dB)	Trd Corr. (dB/m)	Raw Rec (dBµV)
6.780750	19.06	67.50	48.44	300.0	0.0	0.1	0.0	19.0	-0.1

EMC Test Code = RE0101_RSS-216_Yaxis Frequency Range [Lower Limit] MHz = 0.00900
Frequency Range [Upper Limit] MHz = 30.00000

Sample ID: S/01
Operation Mode: OM/01

Images:



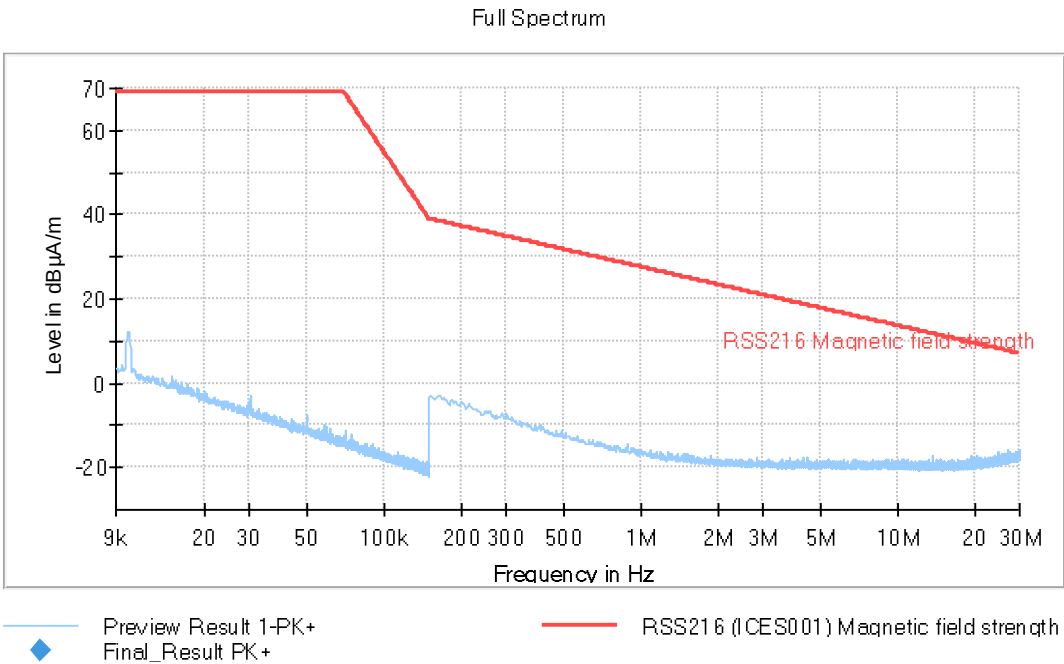
Tables:
Radiated Emission

Frequency (MHz)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Sig Path (dB)	Preampl (dB)	Trd Corr. (dB/m)	Raw Rec (dBµV)
6.780750	28.45	67.50	39.45	300.0	90.0	0.1	0.0	19.0	9.3

EMC Test Code = RE0101_RSS-216_Zaxis Frequency Range [Lower Limit] MHz = 0.00900
Frequency Range [Upper Limit] MHz = 30.00000

Sample ID: S/01
Operation Mode: OM/01

Images:



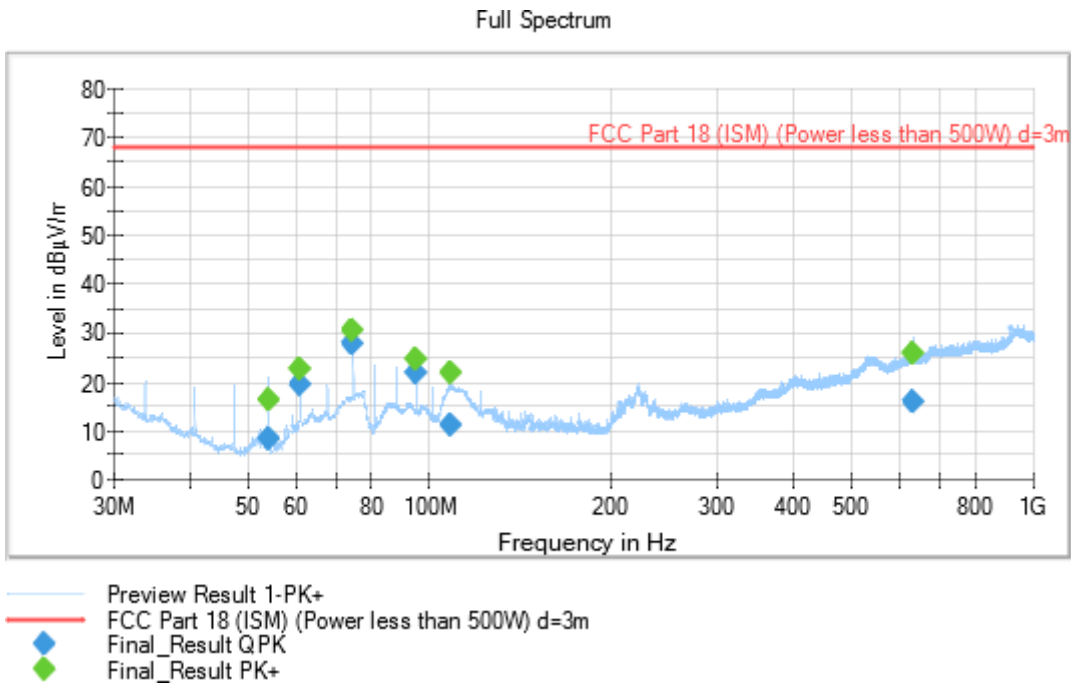
Tables:
Radiated Emission

Frequency (MHz)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB/m)	Raw Rec (dBµV)
6.780750	14.15	57.50	53.35	300.0	180.0	0.1	0.0	19.0	-5.0

EMC Test Code = RE0101LR
Frequency Range [Lower Limit] MHz = 30.00000
Frequency Range [Upper Limit] MHz = 1000.00000

Sample ID: S/01
Operation Mode: OM/01

Images:



Tables:
Radiated Emission

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB/m)	Raw Rec (dBµV)
54.308000	---	16.06	---	---	111.0	V	183.0	0.9	0.0	6.3	8.9
54.308000	8.40	---	67.96	59.56	111.0	V	183.0	0.9	0.0	6.3	1.2
61.047000	19.21	---	67.96	48.75	212.0	V	96.0	0.9	0.0	6.8	11.5
61.047000	---	22.47	---	---	212.0	V	96.0	0.9	0.0	6.8	14.8
74.574000	---	30.42	---	---	100.0	V	96.0	1.0	0.0	7.1	22.4
74.574000	27.59	---	67.96	40.37	100.0	V	96.0	1.0	0.0	7.1	19.5
94.922000	---	24.71	---	---	111.0	V	281.0	1.1	0.0	7.3	16.3
94.922000	21.63	---	67.96	46.33	111.0	V	281.0	1.1	0.0	7.3	13.2
108.707000	---	21.88	---	---	111.0	V	336.0	1.2	0.0	8.3	12.4
108.707000	11.29	---	67.96	56.67	111.0	V	336.0	1.2	0.0	8.3	1.8
630.813000	15.82	---	67.96	52.14	133.0	H	146.0	3.3	0.0	21.9	-9.3
630.813000	---	25.78	---	---	133.0	H	146.0	3.3	0.0	21.9	0.6

CE Continuous conducted emission

Limits

Limits for FCC part 18.307

Frequency range (MHz)	Limit (dBμV)	
	Quasi-Peak	Average
0,15 to 0,5	66 – 56*	56 – 46*
0,5 to 5	56	46
5 to 30	60	50

*Decreases with the logarithm of the frequency.

Results

SI	OM	Code	Line	Freq Rng (MHz)	V
01	OM/01	CE01010N	N	[0.01, 30]	P
01	OM/01	CE0101L1	L1	[0.01, 30]	P

Verdict

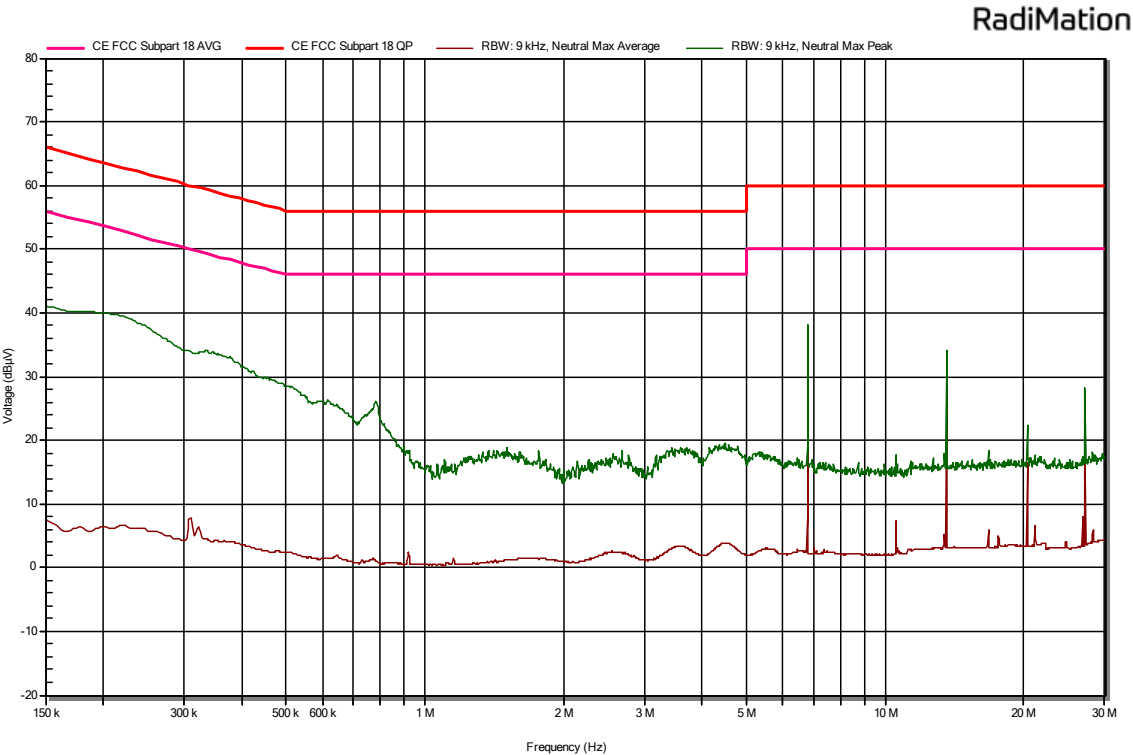
Pass

Attachments

EMC Test Code = CE01010N Conducted Emissions - Tested Line = N
Frequency Range MHz = [0.01, 30]

Sample ID: S/01
Operation Mode: OM/01

Images:



Tables:

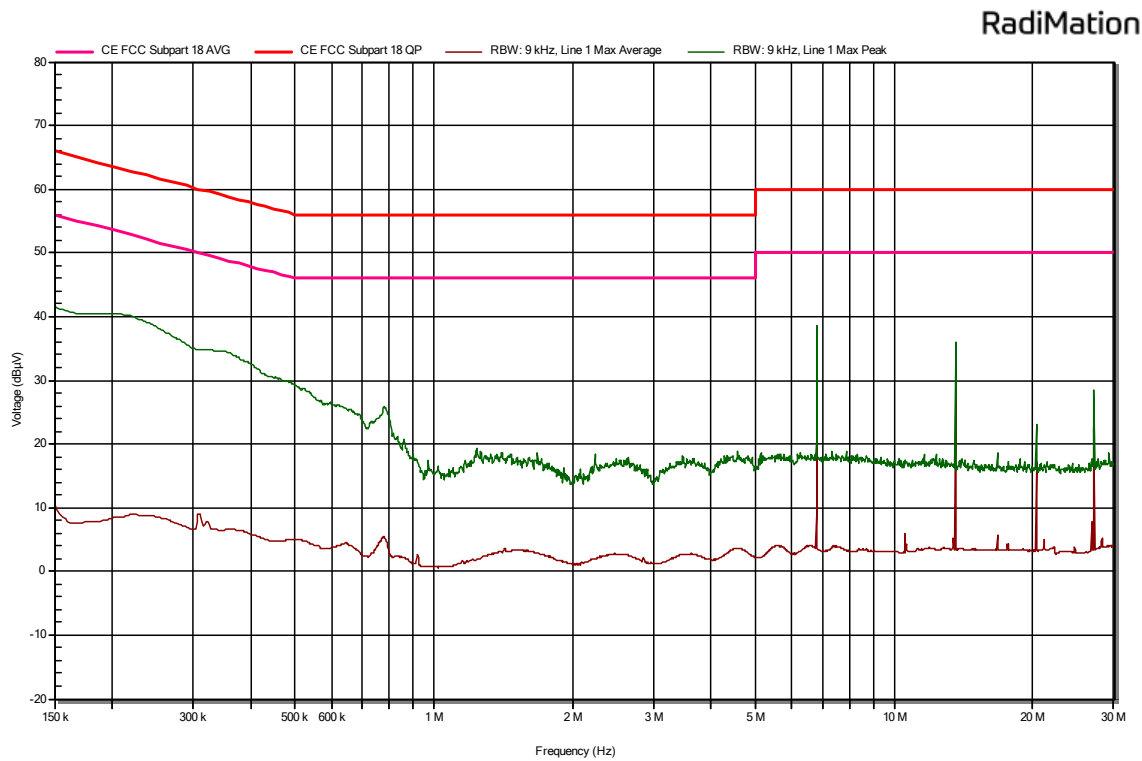
Continuous Conducted Emissions

Frequency (MHz)	QuasiPeak (dBµV)	Peak (dBµV)	Line
0,15	7,5	41,1	N
0,309	7,7	33,9	N
0,782	1,2	25,9	N
1,506	1,1	18,8	N
2,683	2,2	18,5	N
3,587	3,2	18,5	N
4,479	3,8	19,4	N
6,781	32,5	38,1	N
13,561	28,7	34	N
27,119	20,8	28	N

EMC Test Code = CE0101L1 Conducted Emissions - Tested Line = L1
Frequency Range MHz = [0.01, 30]

Sample ID: S/01
Operation Mode: OM/01

Images:



Tables:
Continuous Conducted Emissions

Frequency (MHz)	QuasiPeak (dBµV)	Peak (dBµV)	Line
0,15	10,4	41,7	L1
0,78	5,5	25,9	L1
1,24	1,9	19,4	L1
2,242	1,9	18,5	L1
3,471	2,6	18,2	L1
4,554	3,5	18,8	L1
6,781	33,4	38,7	L1
13,561	30,9	35,9	L1
20,339	17,3	23	L1
27,119	22,6	28,5	L1