

ISED CABid: ES1909
Lab. Company Number: 4621A

Test Report No:
84979RRF.006

Test Report

USA FCC Part 15.209

CANADA RSS-Gen, RSS-210

(*) 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	Inductive charging WTP HW version: 01 SW version: 0.8.1
(*) Manufacturer	Oura Health Oy Elektroniikkatie 10, 90590 Oulu, Finland
Test method requested, standard	USA FCC Part 15.209 (10-1-23 Edition): Radiated emission limits; general requirements. CANADA RSS-Gen Issue 5 amendment 1 (March 2019). General Requirements for Compliance of Radio Apparatus. CANADA RSS-210 Issue 10 (December 2019). Licence-Exempt Radio Apparatus: Category I Equipment ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024: American National Standard for Testing Unlicensed Wireless Devices.
Summary	IN COMPLIANCE
Approved by (name / position & signature)	José Manuel Gómez Galván EMC Consumer & RF Lab. Manager
Date of issue	2026-02-17
Report template No.	FDT08_27
	(*) "Data provided by the client"

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Competences and guarantees

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DEKRA Testing and Certification is an FCC-recognized accredited testing laboratory with appropriate scope of accreditation that covers the performed tests in this report.

DEKRA Testing and Certification is an ISED-recognized accredited testing laboratory, CABid: ES1909, Company Number: 4621A, with the appropriate scope of accreditation that covers the performed tests in this report.

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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 radiated emissions of EUT from 30 MHz to 1 GHz is:
Measurement uncertainty $\leq \pm 5,35$ dB with factor ($k = 2$).

The total uncertainty of the measurement system for the conducted testing of EUT is:
Occupied Channel Bandwidth: Measurement uncertainty $\leq \pm 1,17$ %

Measurement uncertainty $\leq \pm 1.53$ dB with factor ($k = 2$).

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 a 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 under test have been selected by: The client.

Id	Control Number	Description	Model	Serial N°	Date of Reception	Application
S/01	84979_29.1	Charge Base (Size 6)	OA14	--	2025-12-05	Element Under Test
	84979_38.1	Smart Ring (Size 6)	OA13	--	2025-12-05	Auxiliary Element
	78472_91.1	Power adapter USB- C	A2347	--	2024-03-11	Auxiliary Element
	84979_17.1	USB Cable	--	--	2025-12-05	Auxiliary Element

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)	2026-01-22
Date (finish)	2026-01-23

Document history

Report number	Date	Description
84979RRF.006	2026-02-17	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. = 75 %
Air pressure	Min. = 860mbar Max. = 1060mbar

Remarks and comments

The tests have been performed by the technical personnel: Victoria Olmedo Villalba.

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
06498	ACTIVE LOOP ANTENNA 9kHz-30MHz	FMZB 1519B	SCHWARZBECK	2027-07-08
09968	HYBRID BILOG ANTENNA 30MHz-6GHz	3142E	ETS LINDGREN	2026-09-22
08130	SEMIANECHOIC ABSORBER LINED CHAMBER	P29419	ALBATROSS	--
08134	SHIELDED ROOM	P29419	ALBATROSS PROJECTS GMBH	--
07549	TEMPERATURE AND HUMIDITY PROBE	HWg-STE	HW GROUP	2026-04-23
07550	TEMPERATURE AND HUMIDITY PROBE	HWg-STE	HW GROUP	2026-04-23
10304	EMI TEST RECEIVER 2Hz-44GHz	ESW44	ROHDE AND SCHWARZ	2026-10-01

Summary

1. WPT 6.78 MHz:

FCC PART 15.209 / RSS-Gen, RSS-210 PARAGRAPH		
Requirement – Test case	Verdict	Remark
Occupied bandwidth	P	--
FCC 15.209 (a) / RSS-Gen 8.9, RSS-210 7.2 General field strength and Transmitter emission limits	P	--
<u>Supplementary information and remarks:</u> None.		

Appendix A: Test results

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TEST CONDITIONS

(*) Declared by the Applicant

POWER SUPPLY (*):

Vnominal: 5 Vdc
Type of Power Supply: External power supply.

ANTENNA (*):

Maximum Declared Antenna Gain: N/A

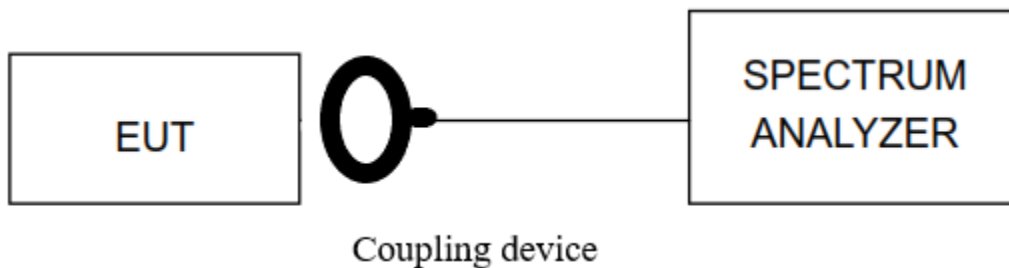
TEST FREQUENCIES (*):

Nominal Operating Frequency: 6.78 MHz

Test setup

CONDUCTED MEASUREMENTS:

The equipment under test EUT was set up in a shielded room and it is connected to the spectrum analyzer through a RF cable and a coupling device.



RADIATED MEASUREMENTS:

All radiated tests were performed in a semi-anechoic chamber. The measurement antenna is situated at a distance of 3 m (Loop antenna for the range 9 kHz to 30 MHz and Bilog antenna for the range 30 MHz to 200 MHz).

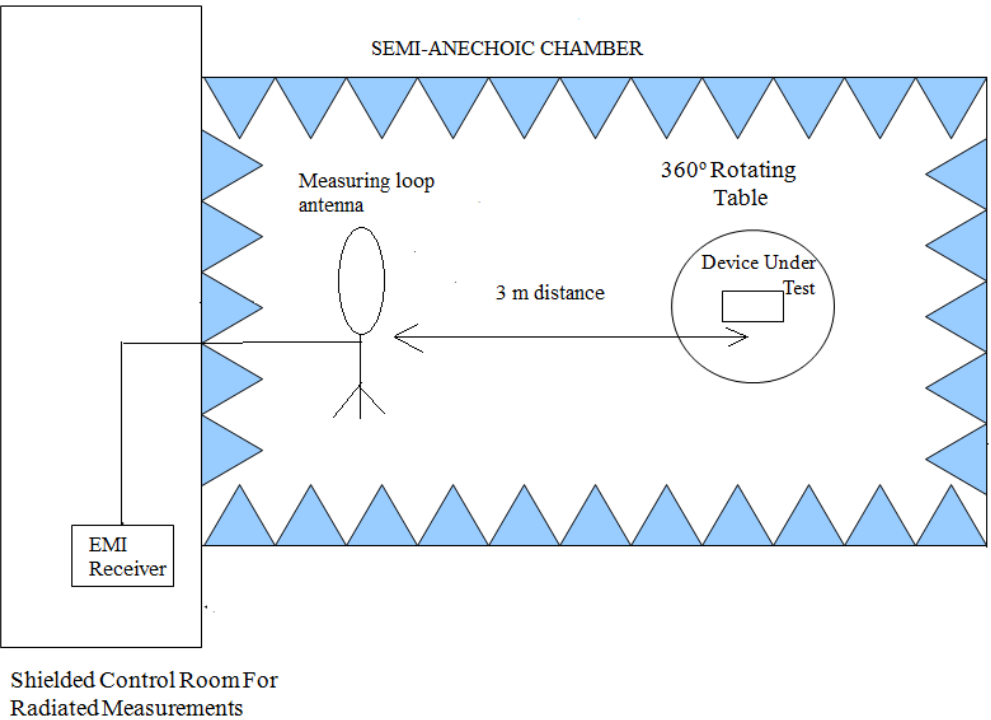
For radiated emissions in the range 9 kHz to 30 MHz performed at a distance closer than the distance specified in the standard, an inverse proportionality factor of 40 dB per decade is used to normalize the measured data for determining compliance.

The equipment under test was set up on a non-conductive platform above the ground plane and its situation and orientation were varied to find the maximum radiated emission. It was also rotated 360°.

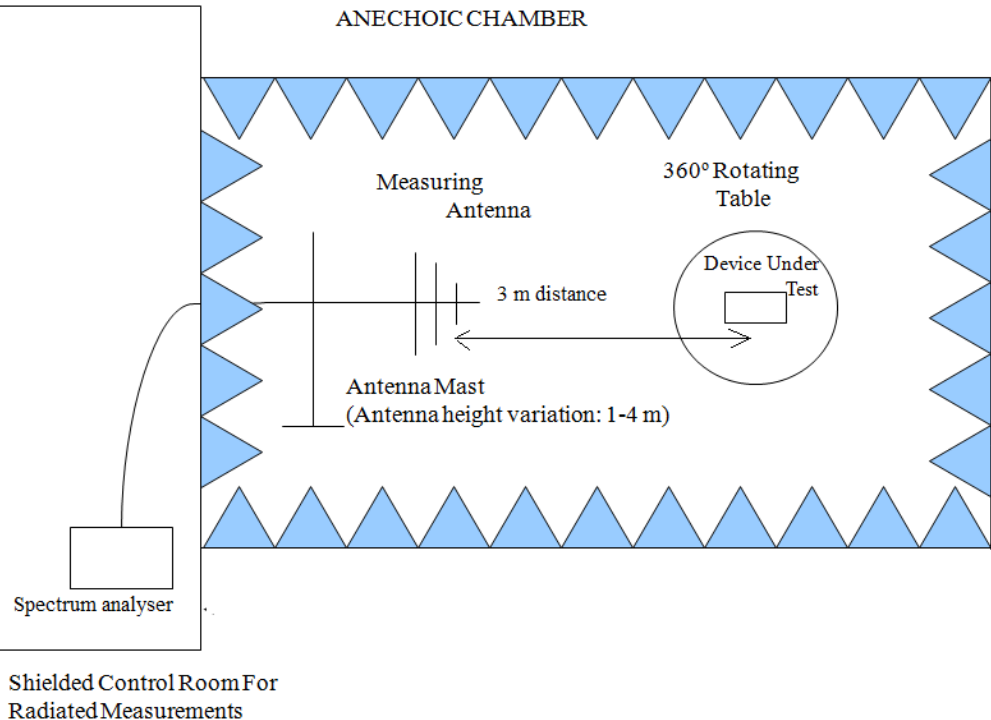
In the range between 9 kHz and 30 MHz the measurements were made in the three different orientation planes of the loop antenna to determine the maximum received field.

Measurements above 30 MHz up to 200 MHz were made in both horizontal and vertical planes of polarization and the measuring antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

Radiated measurements setup $f < 30$ MHz:



Radiated measurements setup $f > 30$ MHz up to 200 MHz:



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

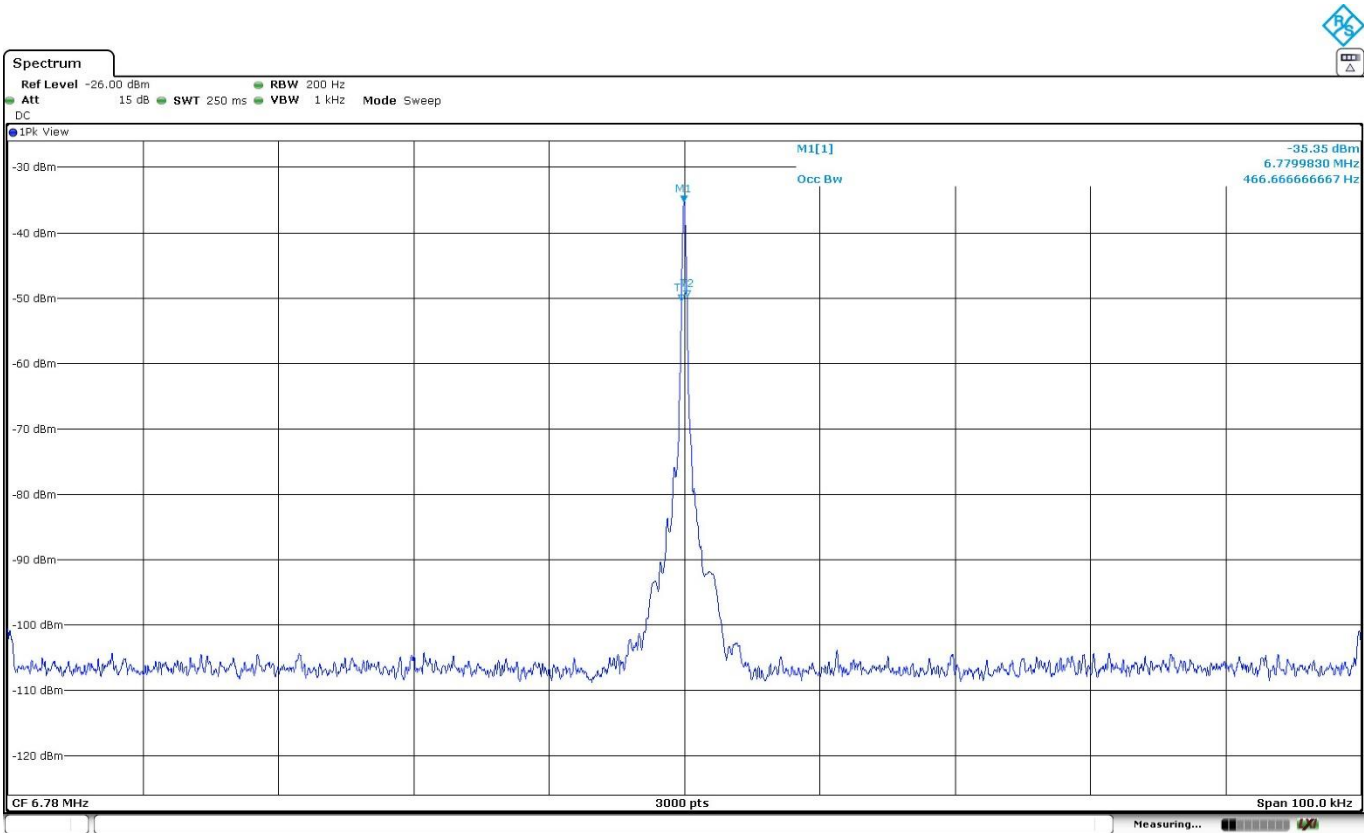
The field strength, calculated by this way is compared with the regulatory limit.

Occupied Bandwidth

Results

99% Bandwidth (kHz)	0.467
Measurement uncertainty (kHz)	< ±1.42

Attachments



General field strength and Transmitter emission limits

Limits

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table (see §15.205(c) / RSS-Gen):

Frequency Range (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Magnetic field strength (H-Field) (µA/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	-	6.37/ F(kHz)	300
0.490 - 1.705	24000/F(kHz)	-	63.7/ F(kHz)	30
1.705 - 30.0	30	29.54	0.08	30
30 - 88	100	40	-	3
88 - 216	150	43.5	-	3
216 - 960	200	46	-	3
Above 960	500	54	-	3

Note: For an intentional radiator, the spectrum shall be investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to at least the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

Additionally, the level of any transmitter unwanted emission shall not exceed the level of the transmitter's fundamental emission.

Results

All tests were performed in a semi-anechoic chamber at a distance of 3 m. The maximum peak value of the fundamental emission was measured as the worst case.

The spectrum was inspected from 9 kHz to 200 MHz for spurious signals search.

The field strength is calculated by adding correction factor to the measured level from the spectrum analyser. This correction factor includes antenna factor and cable loss.

Fundamental emission:

E (dBµV/m) measured at 3 m (Peak value)	-6.07
E (dBµV/m) extrapolated to 30 m (40 dB/decade)	-46.07
Equivalent level (dBµA/m) at 30 m	-97.57
Measurement uncertainty (dB)	< ±3.08

Verdict

Pass

Frequency range 9 kHz - 30 MHz:

Frequency (MHz)	QuasiPeak (dBμV/m)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB/m)	Raw Rec (dBμV)
6.778500	---	-6.07	---	---	H	-39.9	0.0	19.0	14.8
6.778500	-10.62	---	29.54	35.61	H	-39.9	0.0	19.0	10.3

Measurement uncertainty (dB) < ±3.08

Frequency range 30 - 200 MHz:

Frequency (MHz)	QuasiPeak (dBμV/m)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB/m)	Raw Rec (dBμV)
33.843000	16.24	---	40.00	23.76	100.0	V	0,6	0,0	13,7	1,9
33.843000	---	21.85	---	---	100.0	V	0,6	0,0	13,7	7,5
40.741000	---	24.93	---	---	100.0	V	0,7	0,0	9,8	14,4
40.741000	16.26	---	40.00	23.74	100.0	V	0,7	0,0	9,8	5,8
47.498000	---	26.14	---	---	100.0	V	0,8	0,0	7,0	18,3
47.498000	21.91	---	40.00	18.09	100.0	V	0,8	0,0	7,0	14,1
54.270000	---	24.18	---	---	152.0	V	0,9	0,0	6,3	17,0
54.270000	18.97	---	40.00	21.03	152.0	V	0,9	0,0	6,3	11,8
61.019000	18.20	---	40.00	21.80	100.0	V	0,9	0,0	6,8	10,5
61.019000	---	21.41	---	---	100.0	V	0,9	0,0	6,8	13,7

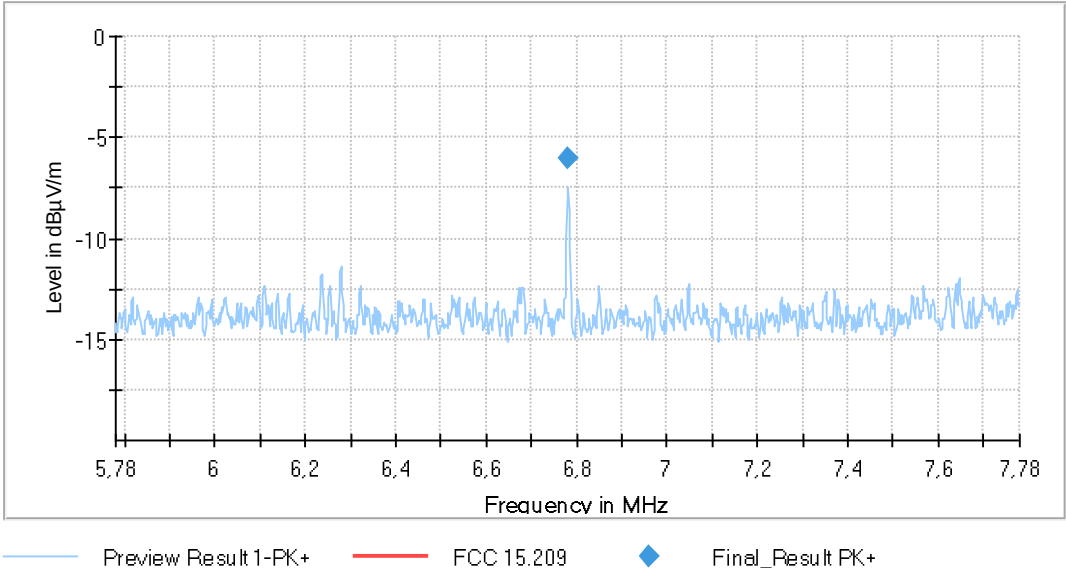
Measurement uncertainty (dB) < ±5.15

Verdict

Pass

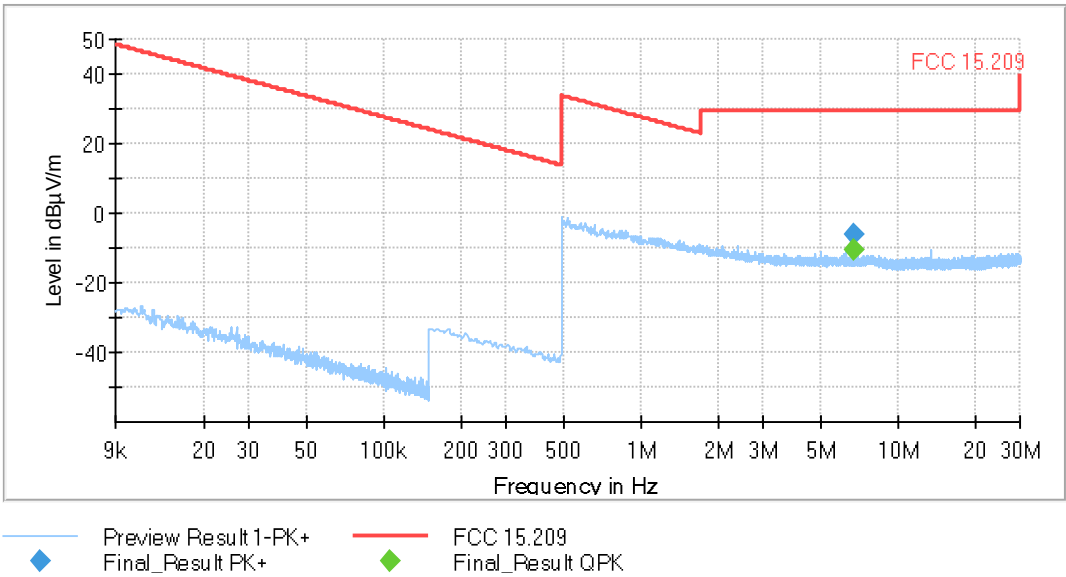
Attachments

FUNDAMENTAL EMISSION



	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	150 kHz - 30 MHz	2,25 kHz	PK+	9 kHz	100 ms	0 dB

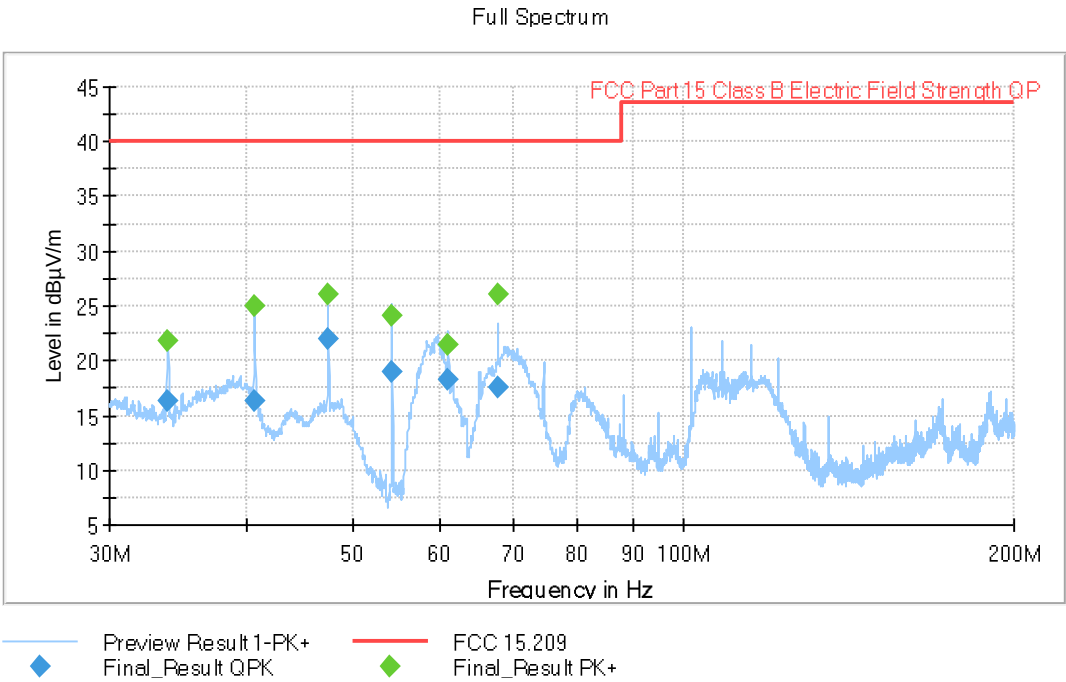
• FREQUENCY RANGE 9 kHz - 30 MHz:



Note: The scan is performed with a peak detector.

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	9 kHz - 150 kHz	50 Hz	PK+	200 Hz	100 ms	0 dB
	150 kHz - 30 MHz	2,25 kHz	PK+	9 kHz	100 ms	0 dB

FREQUENCY RANGE 30 - 200 MHz:



Note: The scan is performed with a peak detector.

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	30 MHz - 200 MHz	30 kHz	PK+	120 kHz	20 ms	30 dB