

Test report No:
NIE: 81122RAN.004

Assessment report

RF EXPOSURE REPORT ACCORDING TO FCC 47 CFR Part 2.1091; FCC 47 CFR Part 2.1093 FCC 47 CFR Part 1.1307; FCC 47 CFR Part 1.1310

(*) Identification of item under evaluation	A multifunctional surgical equipment for use in anterior and posterior segment ophthalmic surgeries
(*) Trademark	VIRTUOSO®
(*) Model and /or type reference	EQ00.R01, EQ00.R02, EQ00.R03
(*) Other identification of the product	FCC ID : 2BNUMIRIS Contains FCC ID : SQGBT700 Contains IC : 3147A-BT700 HW version: DMR02776 SW Version: 11.0.x
(*) Features	RFID 13.56MHz, BT 2.4 GHz
(*) Manufacturer	Vitrex B.V. Seggelant-Noord 2, 3237 MG Vierpolders, Netherlands
Test method requested, standard	FCC 47 CFR Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices. FCC 47 CFR Part 2.1093. Radiofrequency radiation exposure evaluation: portable devices. FCC 47 CFR Part 1.1307: Actions that may have a significant environmental effect, for which Environmental Assessments (EAs) must be prepared. FCC 47 CFR Part 1.1310: Radiofrequency radiation exposure limits.
Summary	IN COMPLIANCE
Approved by (name / position & signature)	Manuel García Antennas Lab Technical Responsible
Date of issue	2025-03-25
Report template No	FAN36_02 (*) "Data provided by the client"

Index

Competences and guarantees3

General conditions3

Data provided by the client.....3

Identification of the client.....9

Document history9

Appendix A: FCC RF Exposure assessment result10

 General description of the device under evaluation11

 Evaluation Results.....12

Appendix B: FCC RF Exposure information14

 RF Exposure determination of exemption.....15

 RF Exposure evaluation17

Competences and guarantees

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 Assessment Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA Testing and Certification, S.A.U.

General conditions

1. This report is only referred to the item that has undergone the assessment.
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

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 under evaluation", "Trademark", "Model and/or type reference", "General description of the device", "Other identification of the product").
2. Maximum output power, maximum antenna gain and use distance information.
3. The device under evaluation consists of a multifunctional surgical equipment for use in anterior and posterior segment ophthalmic surgeries.
4. Models EQ00.R01 and EQ00.R03 have been declared by the supplier of the sample as being the same as the model EQ00.R02.

Title:

Declaration of Similarity

Product:

0412 - Iris system



Declaration of Similarity

Name legal manufacturer: Vitreq B.V.

Address: Seggelant-Noord 2

Postal code & City: 3237 MG Vierpolders

Country: Netherlands

9 December 2024

We, DEMCON Life Sciences & Health Enschede B.V., declare,

That the VIRTUOSO® system of model EQ00.R02 and EQ00.R01 and EQ00.R03 use similar hardware (HW) and similar software (SW)

1. HARDWARE SIMILARITY BETWEEN EQ00.R02, EQ00.R01 AND EQ00.R03

This is manifested in using:

- Equivalent schematic/circuit diagrams
- Equivalent functional block diagrams
- Same Printed Circuit Boards (PCB) of the main board and the antennas

Doc. ID: / Version: / Document status:

TMPL-2-145 / 8.0 / Released

Confidential

Declaration of Similarity

Page 1 of 6

Title:

Declaration of Similarity

Product:

0412 - Iris system



- Same PCB Layouts of the mainboard and the antennas
- Same chip sets
- Same Radio frequency antennas with same RF assemblies, like matching circuits
- Same Bluetooth and RFID chipset and related PCB assemblies and part values
- The electrical rating are equal: supply voltage range, current consumption, operating temperature ranges and others

1.1 Hardware impact on EQ00.R03:

The part numbers difference are caused by the laser module (ARC purchase part) and the laser off button not being present:

- The laser module, laser off button and related cabling are not placed.
- The enclosure front have a configuration that does not contain a laser port, laser off button and related labelling.
- Laser door interlock and microscope laser filter connections on the back are present. Labelling on the back of the system is different.
- Laser door interlock, laser active lamp signal and microscope laser filter connections on the back are present.
- On the front panel PCA the RFID components and laser icon are present.

These modifications do not influence the radio frequency characteristics of the VIRTUOSO® system model EQ00.R03.

1.2 Hardware impact on EQ00.R01:

A VIRTUOSO® system model EQ00.R01 does NOT contain the functionality related to VFIE, Illumination and Laser.

- The Laser module, laser off button, Illumination subsystem and related cabling are not placed
- Parts of the VFIE subsystem that are needed for venting of the High Pressure Supply and Vacuum Supply are placed.

Doc. ID: / Version: / Document status:

TMPL-2-145 / 8.0 / Released

Confidential

Declaration of Similarity

Page 2 of 6

Title:

Declaration of Similarity

Product:

0412 - Iris system



- The enclosure front has a configuration that does not contain a laser port, laser off button, VFIE connector, illumination ports and related labelling.
- Laser door interlock and microscope laser filter connections on the back are present. Labelling on the back of the Iris system is different.
- Mainboard & Peripherals are able to function in the absence of a laser module, the laser off button, the illumination subsystem and parts of the VFIE subsystem.

These modifications do not influence the radio frequency characteristics of the VIRTUOSO® system model EQ00.R01.

2. SOFTWARE AND FIRMWARE SIMILARITY BETWEEN EQ00.R02, EQ00.R01 AND EQ00.R03

This is manifested using:

The software bundle for all three configurations is the same.

The difference between the three variants lies on a configuration text file which contains information about the variant of the VIRTUOSO® system being used. Depending on this, the following happens:

2.1 Software and Firmware impact on EQ00.R03:

- The software and firmware are able to function in the absence of a laser module and the laser off button. Microscope laser filter / dongle, door interlock and RFID laser fiber detection may or may not be active and are not influencing the functionality. The laser active lamp and the laser icon are never switched on.
- The GUI is adapted to hide all laser functionality. It is not possible to add a laser step.

Doc. ID: / Version: / Document status:

TMPL-2-145 / 8.0 / Released

Confidential

Declaration of Similarity

Page 3 of 6

Title:

Declaration of Similarity

Product:

0412 - Iris system



The above mentioned text configuration file does not have differences in the Radio Frequency behavior.

2.2 Software and Firmware impact on EQ00.R01:

- The software and firmware are able to function in the absence of a laser module, the laser off button, the illumination subsystem and parts of the VFIE subsystem.
- Microscope laser filter / dongle, door interlock and RFID laser fiber detection may or may not be active and are not influencing the functionality.
- The laser active lamp, the laser icon, the VFIE icon and the illumination icons are never switched on.
- VFIE functionality with respect to venting of the High Pressure Supply and Vacuum Pressure Supply subsystems are still available.
- The GUI is adapted to hide all laser, VFI, VFE and Illumination functionality. It is not possible to add a laser, VFI or VFE step. Next to that, it will only be possible to select anterior procedures and anterior steps.

The above mentioned txt configuration file does not have differences in the Radio Frequency behavior.

Doc. ID: / Version: / Document status:

TMPL-2-145 / 8.0 / Released

Confidential

Declaration of Similarity

Page 4 of 6

Title:

Declaration of Similarity

Product:

0412 - Iris system



3. POTENTIAL LEVERAGING OF TESTS RESULTS

This declaration is intended to allow the leveraging of the tests results from the VIRTUOSO® system model EQ00.R02 to the VIRTUOSO® system models EQ00.R01 and EQ00.R03

Following, a list of test reports which could be leveraged according to our understanding.

- 1) Test report No: 2285019.0504-RSM
- 2) Test report No: 2285019.0505-RSM
- 3) Test report No: 2285019.0506-RSM
- 4) Test report No: 2285019.0507-RSM

3.1 Argumentation for the leveraging

As can be seen in the above list of differences and equalities, the hardware of all three models is equal in many points. The differences lie on subsystems and functionalities not related to the Radio Frequency part of the system.

Especially concerning the Bluetooth and RFID, the chip sets are equal, the main PCB, PCB layout and the antenna are equal between models EQ00.R01, EQ00.R02, and EQ00.R03. The antenna matchings and antenna gain of the Bluetooth and RFID antennas are equal with the same part values.

On behalf of **Vitrex B.V.**

Doc. ID: / Version: / Document status:

TMPL-2-145 / 8.0 / Released

Confidential

Declaration of Similarity

Page 5 of 6

Title:

Declaration of Similarity

Product:

0412 - Iris system



Sheila Chin

Senior Director, R&D

Date: 2024-12-09

Doc. ID: / Version: / Document status:

TMPL-2-145 / 8.0 / Released

Confidential

Declaration of Similarity

Page 6 of 6

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.

Identification of the client

DEMCON Life Sciences & Health Enschede BV
Institutenweg 25, 7521 PH Enschede, Netherlands

Document history

Report number	Date	Description
81122RAN.004	2025-03-25	First release

Appendix A: FCC RF Exposure assessment result

General description of the device under evaluation

Table 1 shows information used for the RF Evaluation, taking into account the following declared specifications for the device:

Description and technologies: The device under evaluation consist of an Iris surgery system comprising three elements: a foot pedal, a remote control, and a main unit with the following features:

- Main Unit: RFID 13.56 MHz and BT 2.4 GHz.
- Foot pedal: BT 2.4 GHz.
- Remote control: BT 2.4 GHz.

Evaluation Distance: according to the manufacturer, during its normal use, the separation distance between the radiating structures of the device and nearby users will be as follows:

- Main Unit: greater than 20 cm.
- Foot pedal: less than 20 cm.
- Remote control: less than 20 cm.

In order to perform the assessment a conservative evaluation distance of 2 cm has been used for the foot pedal and 0 cm for the remote control, and 20 cm for the main unit.

Maximum output power:

- Values corresponding to BT maximum E.I.R.P. have been declared and stated in manufacturer's technical description document.
- Values corresponding to H-field have been measured and stated into DEKRA Certification B.V. test report num. 2285019.0503-RSM.

Antennas under evaluation: Values corresponding to antenna peak gain have been declared and stated in antenna manufacturer's datasheet.

The following table shows the information provided above:

System element	Technology / Mode	Operating Band	Frequency under evaluation (MHz)	Maximum Conducted Output Power (Incl. Tune-Up) (dBm)	Maximum H-field measured at 3 m (dBµA/m)	Antenna peak gain (dBi)	Maximum E.R.P. (dBm)	Maximum E.R.P. (mW)	Maximum E.I.R.P. (dBm)	Maximum E.I.R.P. (mW)
Main Unit	Bluetooth Module 1	2.4 GHz	2400 - 2483.5	18.06	-	0.50	16.41	43.75	18.56	71.78
Main Unit	Bluetooth Module 2	2.4 GHz	2400 - 2483.5	18.06	-	0.50	16.41	43.75	18.56	71.78
Main Unit	RFID	13.56	13.56	-	7.25	-	-	-	-	-
Foot Pedal	Bluetooth	2.4 GHz	2400 - 2483.5	18.06	-	0.50	16.41	43.75	18.56	71.78
Remote Control	Bluetooth	2.4 GHz	2400 - 2483.5	18.06	-	0.50	16.41	43.75	18.56	71.78

Table 1: Equipment specifications

Evaluation Results

- Devices more than 20 cm from the body:

RF Exposure Exemption evaluation:

System element	Technology / Mode	Operating Band	Frequency under evaluation (MHz)	Distance (cm)	Maximum E.R.P. (mW)	§1.1307(b)(3).i.(C) Exposure Limit (mW)	Verdict for exemption § 1.1307(b)(3).i
Main Unit	Bluetooth Module 1	2.4 GHz	2400 - 2483.5	20.00	43.75	768.00	Pass
Main Unit	Bluetooth Module 2	2.4 GHz	2400 - 2483.5	20.00	43.75	768.00	Pass
Main Unit	RFID	13.56	13.56	20.00	N/A	N/A	MPE required

Table 2: FCC Exemption Results for devices at more than 20 cm

The device fails to comply with applicable §1.1307(b)(3).i. exemption limits, so Maximum Permissible Exposure (MPE) evaluation is necessary to demonstrate compliance.

RF Exposure MPE evaluation:

System element	Technology / Mode	Operating Band	Frequency under evaluation (MHz)	Distance (cm)	Power density (mW/cm ²)	FCC Occupational Exposure Limit (mW/cm ²)	Verdict
Main Unit	Bluetooth Module 1	2.4 GHz	2400 - 2483.5	20.00	0.01	5.00	Pass
Main Unit	Bluetooth Module 2	2.4 GHz	2400 - 2483.5	20.00	0.01	5.00	Pass
Main Unit	RFID	13.56	13.56	20.00	0.0001	4.89	Pass

Table 3: FCC Evaluation Results for devices at more than 20 cm

The computed value(s) are below the limit(s), so these modes meet the requirements stated in FCC 47 CFR Part 1.1310.

- **Devices less than 20 cm from the body:**

Determination of Exemption according to FCC 47 CFR Part 1.1307:

The evaluation according to the minimum intended use distance of **0 mm** (5mm applied for the evaluation) for the remote control and 20 mm for the foot pedal will be as follow:

System element	Technology / Mode	Operating Band	Frequency under evaluation (MHz)	Distance (cm)	Maximum Conducted Power (mW)	§ 1.1307(b)(3).i.(B) Exposure Limit (mW)	Verdict
Foot Pedal	Bluetooth	2.4 GHz	2400 - 2483.5	2.00	63.97	95.18	Pass
Remote Control	Bluetooth	2.4 GHz	2400 - 2483.5	0.50	63.97	6.79	SAR needed*

Table 4: FCC Exemption Evaluation Result for devices at less than 20 cm

The computed value for the foot pedal is below the exemption limit, so this mode meet the requirements stated in FCC 47 CFR Part 1.1307.

*SAR testing for Remote Control has been measured, and the results are stated in the DEKRA Testing and Certification, S.A.U. test report num. 81122RAN.003.

Mode	Side / Position	Channel (Frequency)	Reported SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)
Bluetooth	Back face 0 mm	CH 39 (2440.0 MHz)	0.301	8.0

Table 5: SAR results for remote control

Simultaneous transmission assessment:

Simultaneous technologies and modes	Result ($\sum$ of Pout/Pmax ratios)	Verdict ($\sum \leq 1$)
Main Unit (Bluetooth Module 1 2.4 GHz + Bluetooth Module 2 2.4 GHz + RFID 13.56) + Foot Pedal (Bluetooth 2.4 GHz) + Remote Control (Bluetooth 2.4 GHz)	0.715	Pass

Table 6: Simultaneous Transmission assessment

Appendix B: FCC RF Exposure information

RF Exposure determination of exemption

According to FCC 47 CFR §1.1307 (b)(3) Determination of exemption:

(i) For single RF sources (i.e., any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2), a single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

(B) Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold P_{th} (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

d = the separation distance (cm);

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

TABLE 1 TO §1.1307(b)(3)(i)(C)—SINGLE RF SOURCES SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2 f$.
1,500-100,000	$19.2 R^2$.

(ii) For multiple RF sources: Multiple RF sources are exempt if:

(A) The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required). This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(i)(A).

(B) in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation.

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

Where:

a = number of fixed, mobile, or portable RF sources claiming exemption using paragraph (b)(3)(i)(B) of this section for Pth, including existing exempt transmitters and those being added.

b = number of fixed, mobile, or portable RF sources claiming exemption using paragraph (b)(3)(i)(C) of this section for Threshold ERP, including existing exempt transmitters and those being added.

c = number of existing fixed, mobile, or portable RF sources with known evaluation for the specified minimum distance including existing evaluated transmitters.

Pi = the available maximum time-averaged power or the ERP, whichever is greater, for fixed, mobile, or portable RF source i at a distance between 0.5 cm and 40 cm (inclusive).

Pth,i = the exemption threshold power (Pth) according to paragraph (b)(3)(i)(B) of this section for fixed, mobile, or portable RF source i.

ERPj = the ERP of fixed, mobile, or portable RF source j.

ERPth,j = exemption threshold ERP for fixed, mobile, or portable RF source j, at a distance of at least $\lambda/2\pi$ according to the applicable formula of paragraph (b)(3)(i)(C) of this section.

Evaluated,k = the maximum reported SAR or MPE of fixed, mobile, or portable RF source k either in the device or at the transmitter site from an existing evaluation at the location of exposure.

Exposure Limit,k = either the general population/uncontrolled maximum permissible exposure (MPE) or specific absorption rate (SAR) limit for each fixed, mobile, or portable RF source k, as applicable from §1.1310 of this chapter.

The available maximum time-averaged power or effective radiated power (ERP), can be calculated using the following formula to assess compliance with the Exemption Limits:

$$P_{E.I.R.P.} = P_T + G_T - L_c$$

Where:

P_T = transmitter time-averaged output power (including Duty Cycle and tune-up tolerance, if applicable)

G_T = gain of the transmitting antenna

L_c = signal attenuation in the connecting cable between the transmitter and the antenna if applicable

$$P_{E.R.P.} = P_{E.I.R.P.} - 2.15 \text{ dB}$$

RF Exposure evaluation

Limits for Maximum Permissible Exposure (MPE) for RF sources are defined in FCC 47 CFR “§1.1310 Radiation Exposure limits, paragraph (e)”:

TABLE 1 TO §1.1310(E)(1)—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f ²)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f ²)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

Each supported transmission technology will be evaluated to determine if it is in compliance with limits for Maximum Permissible Exposure (MPE) to radiofrequency electromagnetic fields.

In order to perform the assessment, the following equations have been used for the calculations; these equations are accurate in the far-field of an antenna and will over-predict power density in the near field, where they could be used for making a "worst-case" or conservative prediction:

$$\text{Power density: } S[\text{mW} / \text{cm}^2] = \frac{P_{E.I.R.P.}[\text{mW}]}{4\pi R[\text{cm}]^2}$$

Where:

S = power density

$P_{E.I.R.P.}$ = Equivalent isotropically radiated power

R = distance to the center of radiation of the antenna (evaluation distance)

$$P_{E.I.R.P.} = P_T + G_T - L_C$$

Where:

P_T = transmitter time-averaged output power (including Duty Cycle and tune-up tolerance, if applicable)

G_T = gain of the transmitting antenna

L_C = signal attenuation in the connecting cable between the transmitter and the antenna if applicable

RFID output power calculation

Output power values corresponding to RFID technology shown in Table 1 of “General description of the device under evaluation” section are calculated from maximum measured field strength values stated into DEKRA Certification B.V. test report num. 2285019.0503-RSM (see table below) following the calculation described below:

Operation Mode	Frequency (MHz)	Maximum E-field strength (dBµV/m) measured at 3 m
RFID	13.561	58.775

Table 7: Measurement Results

According to ANSI C63.10-2020/Cor 1-2023, section 6.4.4.2:

If the Maximum E-field strength measured is at a distance greater than $\lambda/2\pi$, then extrapolation to the limit distance shall be calculated using the following equation:

$$FS_{\text{limit}} = FS_{\text{max}} - 20 \log \left(\frac{d_{\text{limit}}}{d_{\text{measure}}} \right)$$

If both the Maximum E-field strength measured and the limit distance are equal to or closer to the EUT than $\lambda/2\pi$ the extrapolation to the limit distance shall be calculated using the following equation:

$$FS_{\text{limit}} = FS_{\text{max}} - 40 \log \left(\frac{d_{\text{limit}}}{d_{\text{measure}}} \right)$$

Where:

FS_{limit}	is the calculation of field strength at the limit distance, expressed in dBµV/m
FS_{max}	is the measured field strength, expressed in dBµV/m
d_{measured}	is the distance of the measurement point from the EUT
d_{limit}	is the reference distance or the distance of the $\lambda/2\pi$ point.

As a result of this calculation, equivalent output power (dBµV/m) at minimum distance of use between user and device is obtained, which is converted to Power Density units as follows:

$$PD (W/m^2) = FS_{\text{limit}} (V/m)^2 / 377$$