

Test report No:
NIE: 84648REM.001

Partial Test report

EN IEC 62135-2 (2021): Resistance welding equipment - Part 2:
Electromagnetic compatibility (EMC) requirements

(*) Identification of item tested	MFC Kombi
(*) Trademark	SERRA UNP
(*) Model and /or type reference	MFC Kombi
Other identification of the product	Not Provided data
(*) Features	HW version: V1.2 FW version: V1.11 Welding Engine: V1.13
Manufacturer	SERRA UNP S.L.U. Pol. Ind. Zona Franca Carrer D, nº 29 08040 Barcelona SPAIN
Test method requested, standard	EN IEC 62135-2 (2021)
Approved by (name / position & signature)	Antonio José Jurado Industrial & Automotive EMC Lab. Manager
Date of issue	2026-01-07
Report template No	FDT08_25 (*) "Data provided by the client"

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Acronyms

Acronym ID	Acronym Description
CPL	Zones / Coupling Cables
CPL Type	Coupling Type
Code	EMC Test Code
Freq Rng	Frequency Range
Immunity Lvl	Immunity Level
Line	Conducted Emissions - Tested Line
MP	Measurement Point
OM	Operation Mode
Pol	Polarization
S/	Sample
V	Verdict

Competences and guarantees

DEKRA Testing and Certification S.A.U. is a testing laboratory competent to carry out the tests described in this report.

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.

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

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2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
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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 6000 MHz is $I = \pm 4,7$ dB for quasi-peak measurements, $I = \pm 4,3$ 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")
2. The sample consists of a combined cabinet with medium frequency converter and motor-gun drive control for resistance welding.

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	84648_1.1	Welding Cabinet	MFC Kombi	2025500017	2025-12-17	Element Under Test

Notes referenced to samples during the project.

Id	Note
S/01	Sample to emission and immunity.

Test sample description

Test Sample description (compulsory information for EMC and RF testing services)

Ports..... :	Port name and description		Cable					
			Specified max length [m]	Attached during test	Shielded	Coupled to patient ⁽³⁾		
	Fieldbus		100	[X]	[X]			
	Ethernet		100	[X]	[X]			
Supplementary information to the ports..... :								
Rated power supply	Voltage and Frequency		Reference poles					
			L1	L2	L3	N	PE	
	[X]	AC: 400VAC / 50Hz-60Hz						
		AC:						
		DC:						
		DC:						
Rated Power		60 kVA						
Clock frequencies.....		25MHz						
Other parameters		Not Provided						
Software version		Firmware: V1.11 / Welding Engine: V1.13						
Hardware version		V1.2						
Dimensions in cm (W x H x D)		730 x 600 x 430 mm						
Mounting position	Table top equipment							
	Wall/Ceiling mounted equipment							
	Floor standing equipment							

	Hand-held equipment		
	[X]	Other: Mounted on a pedestal	
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

SERRA UNP S.L.U.
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Carrer D, nº 29
08040 Barcelona
SPAIN

Contact Person:
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Project Manager
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Testing period and place

Test Location	DEKRA Testing and Certification S.A.U.
Date (start)	2025-12-17
Date (finish)	2025-12-18

Document history

Report number	Date	Description
84648REM.001	2026-01-07	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 %

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 %

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 %

Remarks and comments

The tests have been performed by the technical personnel: José Carlos Morales Gutierrez and Salvador Cuellar Guerrero.

Testing verdicts

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

List of equipment used during the test

Control No.	Equipment	Model	Manufacturer	Next Calibration
06141	DIRECTIONAL COUPLER, 80MHZ-1000MHZ	BCD 0810-50/1500	BONN ELEKTRONIK	2026-03-11
09559	ELECTROSTATIC DISCHARGE SIMULATOR (ESD)	ESD NX30.1	EM TEST	2027-01-23
07816	EMI TEST RECEIVER 1Hz-26.5GHz	ESW26	ROHDE AND SCHWARZ	2026-07-23
05862	EMI TEST RECEIVER 9kHz-7GHz	ESR7	ROHDE AND SCHWARZ	2027-04-04
06135	ETHERNET TEMPERATURE AND HUMIDITY LOGGER	HWg-STE	HW GROUP	2026-04-21
02010	HORN ANTENNA 0.5-6GHz	BBHA 9120 E	SCHWARZBECK MESS-ELEKTRONIK	--
07969	LOG-PERIODIC BROADBAND ANTENNA	STPL 9129	SCHWARZBECK MESS-ELEKTRONIK	--
05635	POWER AMPLIFIER 1000W 80MHZ-1GHz	8000-004	ETS LINDGREN	--
06972	POWER AMPLIFIER 150W/100W 1-2.5GHz/2.5-6 GHz	BLMA 1060-150/100	BONN ELEKTRONIK	--
03335	POWER SENSOR 10MHz-8GHz	NRP-Z11	ROHDE AND SCHWARZ	2026-11-18
08150	SEMIANECHOIC ABSORBER LINED CHAMBER I	FACT 10	ETS LINDGREN	--
05881	SIGNAL GENERATOR 9kHz-40GHz	N5173B	KEYSIGHT TECHNOLOGIES	2027-11-19
07553	TEMPERATURE AND HUMIDITY PROBE	HWg-STE	HW GROUP	2026-04-21
10410	ACTIVE LOOP ANTENNA 9kHz-30MHz	FMZB 1519-60 D	SCHWARZBECK	2027-05-08
06204	THREE-PHASE ARTIFICIAL NETWORK 32A	PMM L3-32	NARDA	2026-03-04
07771	TRANSIENT LIMITER 10DB N CONNECTOR	VTSD 9561-F	SCHWARZBECK	2026-07-21
04848	SOFTWARE FOR EMC/RF TESTING	EMC32	ROHDE AND SCHWARZ	--
07746	HYBRID BILOG ANTENNA 30MHz-6GHz	3142E	ETS LINDGREN	2026-09-01

Summary

Test Specification	Requirement – Test case	Verdict	Remark
EN IEC 62135-2 (2021)	RE Radiated emission. Electromagnetic field measure	Pass	
EN IEC 62135-2 (2021)	MF Magnetic field radiation disturbance	Pass	
EN IEC 62135-2 (2021)	CE Continuous conducted emission on power leads	Pass	
EN IEC 62135-2 (2021)	RI Radiated RF Electromagnetic field immunity test	Pass	
EN IEC 62135-2 (2021)	ESD Electrostatic discharge immunity test	Pass	
<u>Supplementary information and remarks:</u> None			

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. Every operation mode takes a failure criteria for the immunity test that they were applying to it and a monitoring to guarantee performance of the same ones.

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. Idle mode. Power supply: 400Vac. 50Hz
OM/02	EUT ON. Load mode (1A), load 500 ohm. Power supply: 400Vac. 50Hz

Fails criteria for immunity test

According to EN IEC 62135-2 (2021)

Performance criteria A

The following criteria shall be met:

- a) the resistance welding equipment shall continue to operate as intended;
- b) variations of $\pm 10\%$ of the output voltage are admissible;
- c) the pre-set heat time shall not be exceeded;
- d) no interruptions are permitted in the heat time;
- e) in the "single" welding state, an interruption of the welding cycle shall be properly terminated;
- f) in the "repeat", "seam" and "continuous" welding states, an interruption of the cycle by releasing the start switch provided shall be possible;
- g) all controls shall continue to function;
- h) malfunctioning of the semiconductor power switches is inadmissible;
- i) loss of stored data is inadmissible.

Performance criteria B

The following criteria shall be met:

- a) variations of $(+50/-100)\%$ of the output voltage are admissible;
- b) in the case of a current interruption during the intended heat time, the welding cycle is terminated with "no current". Manual reset may be required;
- c) the pre-set heat time shall not be exceeded;
- d) in the "single" welding state, an interruption of the welding cycle shall be properly terminated;
- e) in the "repeat", "seam" and "continuous" welding states, an interruption of the cycle by releasing the start switch provided shall be possible;
- f) malfunctioning of the semiconductor power switches is inadmissible;
- g) loss of stored data is inadmissible.

Performance criteria C

The following criteria shall be met:

- a) temporary loss of function is allowed, provided that the loss of function is selfrecoverable or can be restored by the operator of the controls. This may require the control voltage of the resistance welding equipment to be restored by means of an appropriate switch;
- b) malfunctioning of the semiconductor power switches is inadmissible; temporary loss of function is allowed;
- c) loss of stored programme data is inadmissible, unless it can be restored by the operation of the controls.

Monitoring for immunity test

For every operation mode, the monitoring performed over the samples under test is shown in the following table:

Id	CFC Monitoring	TFT Monitoring
OM/01	N/A	N/A
OM/02	Visual inspection ensures that the EUT does not suffer any changes in the active motor during and after the test.	Visual inspection ensures that the EUT does not suffer any changes in the active motor after the test.

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	Fail criteria
EN IEC 62135-2 (2021)	CISPR 11:2015/AMD1:2016/AMD2:2019.	CE Continuous conducted emission test	N/A
	CISPR 11:2015/AMD1:2016/AMD2:2019.	RE Radiated emission. Electromagnetic field measure test	N/A
	CISPR 11 (2015) / AMD1 (2016) / AMD2 (2019)	MF Magnetic Field Radiated Emission	N/A
	IEC 61000-4-3:2006 /AMD1:2007/AMD2:2010	RI Radiated RF Electromagnetic field immunity test	A
	IEC 61000-4-2:2008	ESD Electrostatic discharge immunity test	B

Test Cases Details

EN 62135-2

RE Radiated emission. Electromagnetic field measure

Limits

Electromagnetic radiation disturbance limits for Class A equipment – Idle state at 3m:

Frequency range (MHz)	Measured field limit at 3 m (dB μ V/m) Quasi-Peak measurement
30 to 230	50
230 to 1000	57

Electromagnetic radiation disturbance limits for Class A equipment – Loaded state at 3m:

Frequency band (MHz)	On a test site at 3m test distance Quasi-Peak (dB μ V/m)
30 to 47	78
47 to 54.56	60
54.56 to 68	60
68 to 81.848	73
81.848 to 87	73
87 to 134.786	70
134.786 to 136.414	70
136.414 to 156	70
156 to 174	70
174 to 188.7	60
188.7 to 190.979	60
190.979 to 230	60
230 to 1000	70

Results

SI	OM	Code	Freq Rng (MHz)	V
01	OM/01	RE0101	[30, 1000]	P
01	OM/02	RE0102	[30, 1000]	P

Verdict

Pass

Attachments

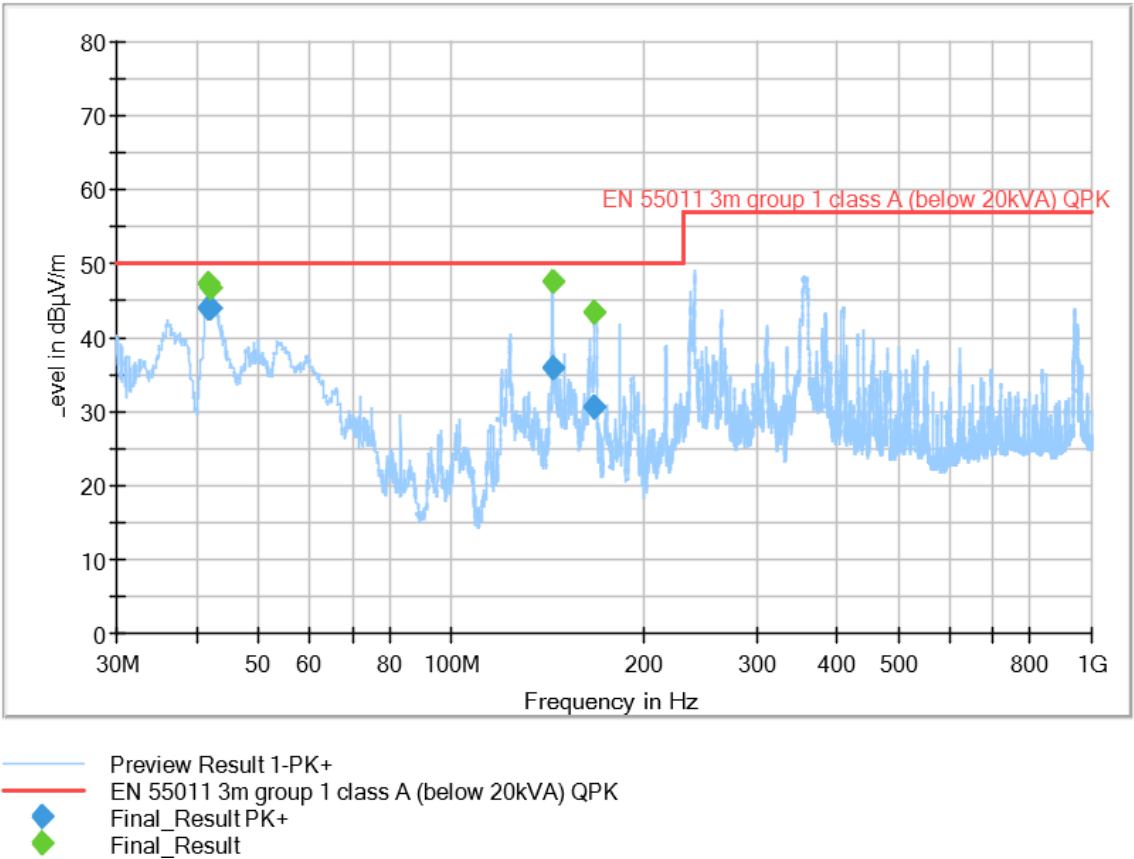
EMC Test Code = RE0101 Frequency Range MHz = [30, 1000]

Sample ID: S/01

Operation Mode: OM/01. EUT ON. Idle mode. Power supply: 400Vac. 50Hz

Images:

Full Spectrum



Tables:

Radiated Emission

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	QuasiPeak (dBµV/m)
41.942000	44.01	50.00	5.99	106.0	V	0.0	---
41.942000	---	---	---	106.0	V	0.0	---
42.226000	---	---	---	100.0	V	355.0	---
42.226000	43.84	50.00	6.16	100.0	V	355.0	---
144.095000	---	---	---	105.0	V	1.0	---
144.095000	35.95	50.00	14.05	105.0	V	1.0	---
167.897000	---	---	---	100.0	V	0.0	---
167.897000	30.48	50.00	19.52	100.0	V	0.0	---

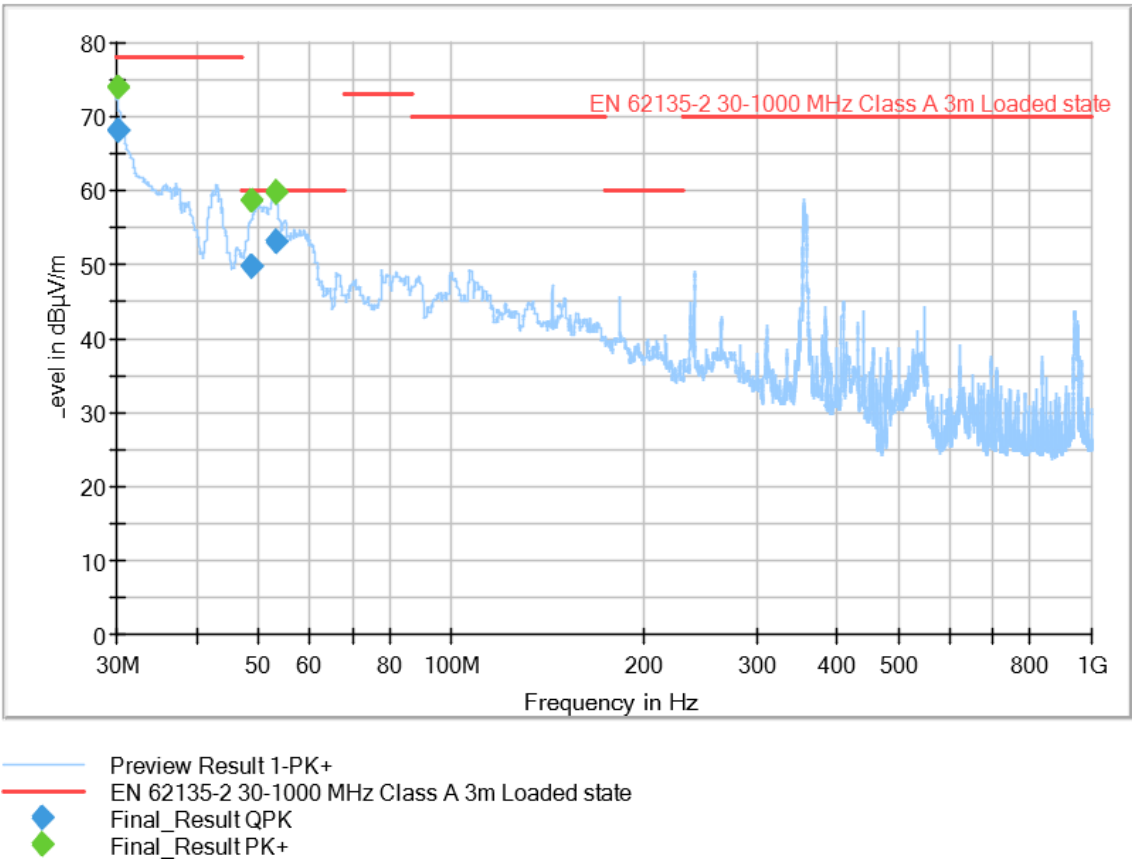
EMC Test Code = RE0102 Frequency Range MHz = [30, 1000]

Sample ID: S/01

Operation Mode: EUT ON. Load mode (1A), load 500 ohm. Power supply: 400Vac. 50Hz

Images:

Full Spectrum



Tables:

Radiated Emission

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
30.161000	---	73.81	---	---	119.0	V	331.0
30.161000	68.00	---	78.00	10.00	119.0	V	331.0
49.008000	49.79	---	60.00	10.21	100.0	V	0.0
49.008000	---	58.63	---	---	100.0	V	0.0
53.362000	53.12	---	60.00	6.88	119.0	V	268.0
53.362000	---	59.65	---	---	119.0	V	268.0

CE Continuous conducted emission on power leads

Limits

Disturbance voltage limits for class A equipment – Idle state and Loaded state:

Frequency range (MHz)	Class A maximum rated input power > 75kVA	
	Quasi-Peak measurement (dBµV)	Average measurement (dBµV)
0.15 to 0.50	130	120
0.50 to 5	125	115
5 to 30	115	105

Results

SI	OM	Code	Freq Rng (MHz)	Line	V
01	OM/01	CE0101L1	[0.15, 30]	L1	P
01	OM/01	CE0101L2	[0.15, 30]	L2	P
01	OM/01	CE0101L3	[0.15, 30]	L3	P
01	OM/02	CE0102L1	[0.15, 30]	L1	P
01	OM/02	CE0102L2	[0.15, 30]	L2	P
01	OM/02	CE0101L3	[0.15, 30]	L3	P

Verdict

Pass

Attachments

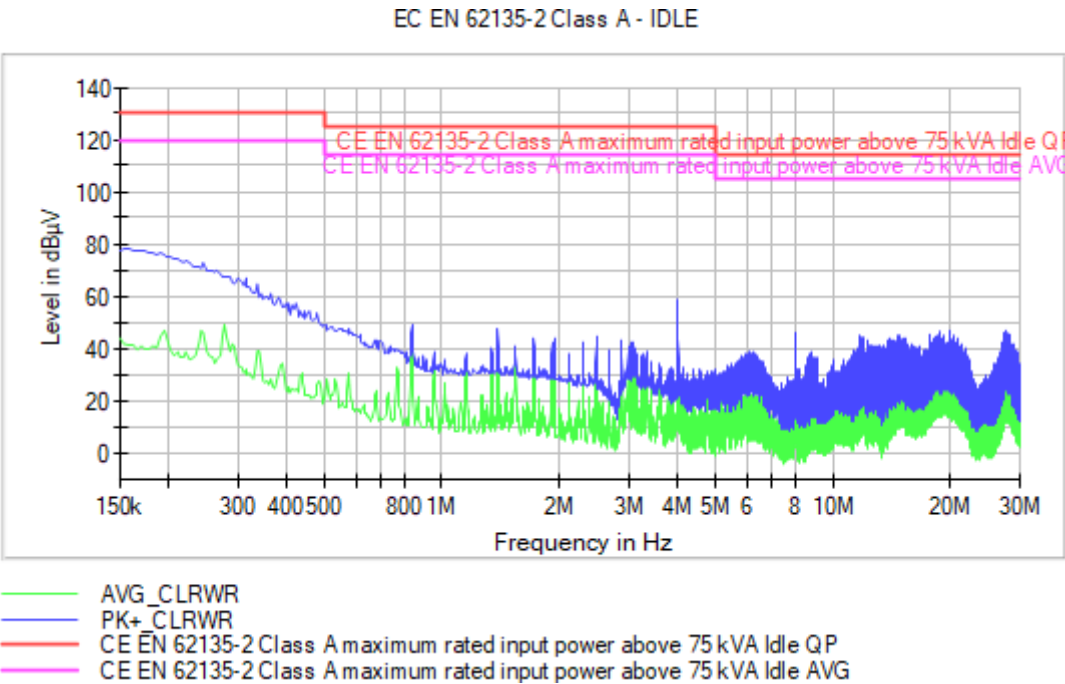
EMC Test Code = CE0101L1 Frequency Range MHz = [0.15, 30]

Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/01. EUT ON. Idle mode. Power supply: 400Vac. 50Hz

Images:



Tables:

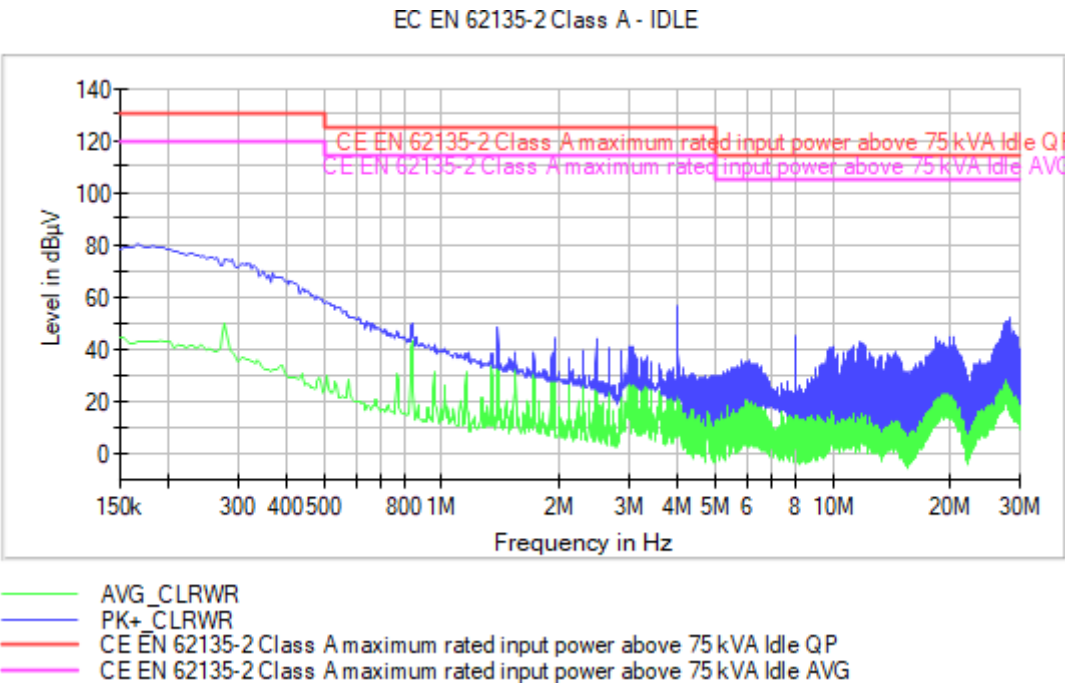
Continuous Conducted Emissions

Frequency (MHz)	PK+_CLRWR (dBµV)	AVG_CLRWR (dBµV)	Line
0.158000	78.5	41.3	L1
0.266000	70.5	36.3	L1
0.446000	54.5	24.0	L1
0.834000	49.7	42.4	L1
1.390000	47.6	41.1	L1
2.494000	45.1	41.8	L1
4.006000	59.3	52.4	L1
8.010000	46.6	40.1	L1
14.654000	45.4	34.0	L1
27.726000	47.3	36.2	L1

EMC Test Code = CE0101L2 Frequency Range MHz = [0.15, 30]
Conducted Emissions - Tested Line = L2

Sample ID: S/01
Operation Mode: OM/01. EUT ON. Idle mode. Power supply: 400Vac. 50Hz

Images:



Tables:

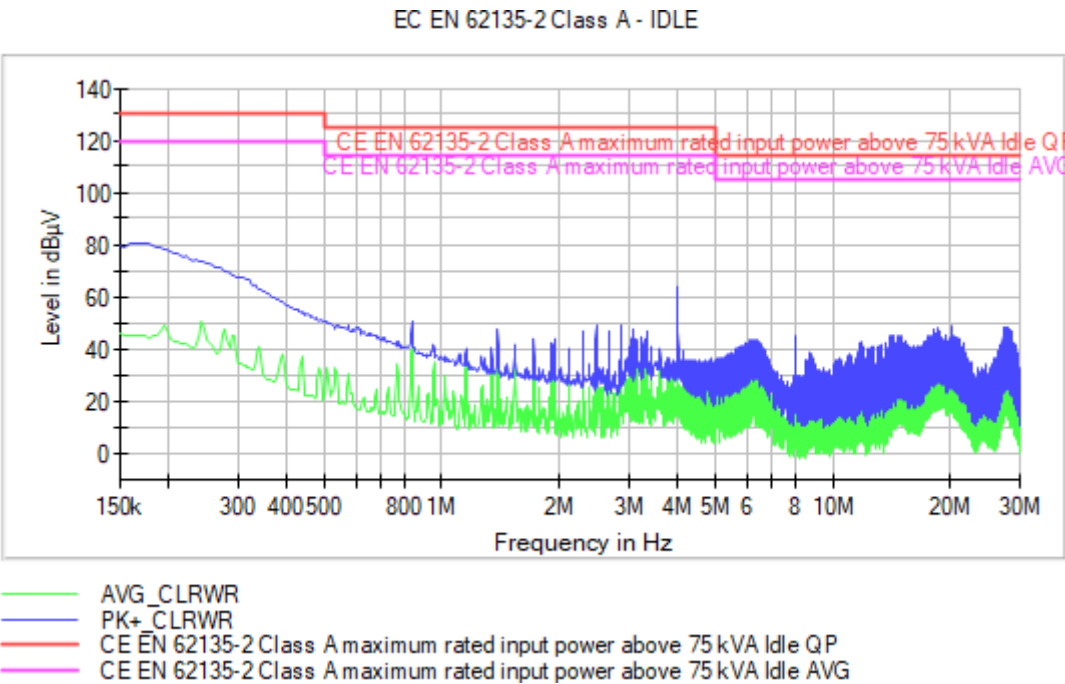
Continuous Conducted Emissions

Frequency (MHz)	PK+_CLRWR (dBµV)	AVG_CLRWR (dBµV)	Line
0.166000	80.3	42.6	L2
0.266000	75.5	39.2	L2
0.438000	63.4	31.0	L2
0.834000	50.1	43.4	L2
1.390000	48.5	41.1	L2
2.494000	44.6	40.2	L2
4.002000	57.0	51.6	L2
8.010000	45.5	39.0	L2
11.898000	42.7	34.3	L2
28.238000	52.0	43.3	L2

EMC Test Code = CE0101L3 Frequency Range MHz = [0.15, 30]
Conducted Emissions - Tested Line = L3

Sample ID: S/01
Operation Mode: OM/01. EUT ON. Idle mode. Power supply: 400Vac. 50Hz

Images:



Tables:

Continuous Conducted Emissions

Frequency (MHz)	PK+_CLRWR (dBµV)	AVG_CLRWR (dBµV)	Line
0.166000	80.9	45.3	L3
0.258000	72.5	41.2	L3
0.442000	54.6	33.5	L3
0.834000	51.0	41.5	L3
1.390000	47.6	40.1	L3
2.874000	49.1	45.1	L3
4.002000	64.2	58.0	L3
8.002000	45.5	37.7	L3
17.590000	45.7	35.1	L3
20.106000	49.7	39.9	L3

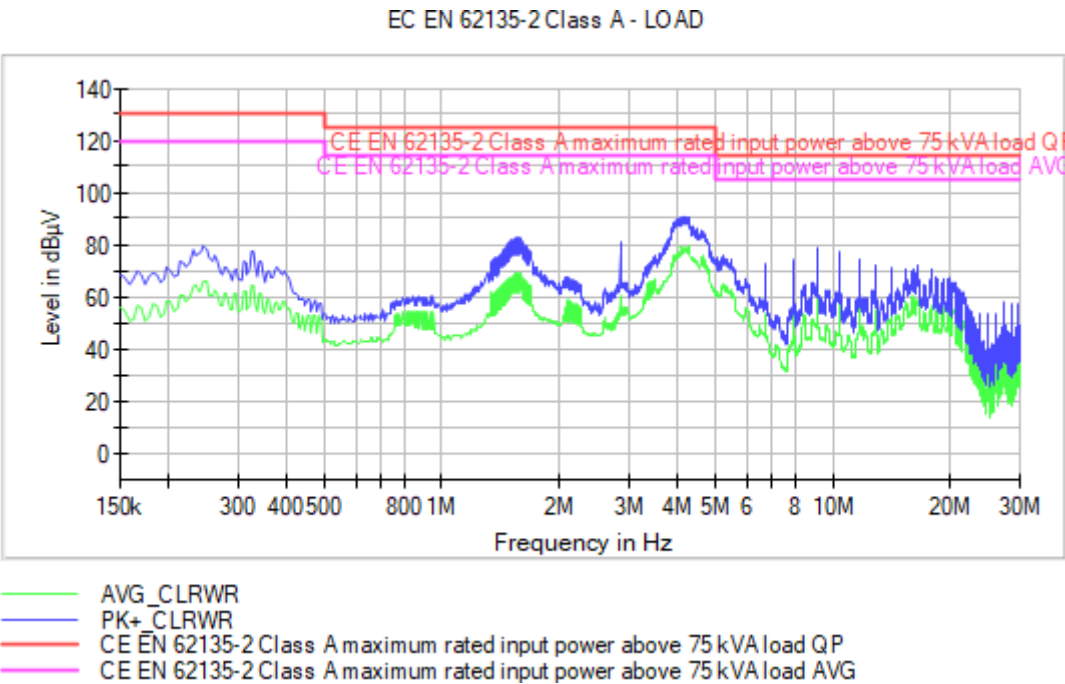
EMC Test Code = CE0102L1 Frequency Range MHz = [0.15, 30]

Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/02. EUT ON. Load mode (1A), load 500 ohm. Power supply: 400Vac. 50Hz

Images:



Tables:

Continuous Conducted Emissions

Frequency (MHz)	PK+ CLRWR (dBµV)	AVG CLRWR (dBµV)	Line
0.246000	79.6	65.6	L1
0.330000	77.7	64.1	L1
0.442000	59.9	53.5	L1
1.230000	64.0	47.2	L1
1.590000	83.1	69.2	L1
2.858000	81.1	60.2	L1
4.110000	90.9	77.9	L1
9.158000	78.9	60.2	L1
10.426000	77.9	58.8	L1
17.950000	70.8	57.0	L1

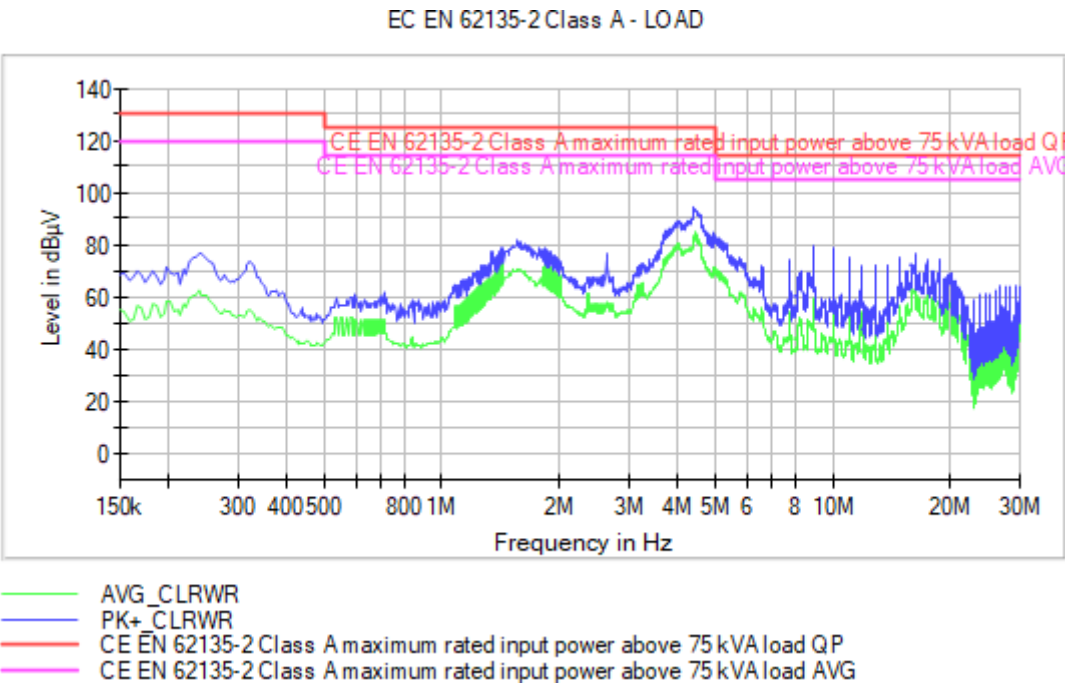
EMC Test Code = CE0102L2 Frequency Range MHz = [0.15, 30]

Conducted Emissions - Tested Line = L2

Sample ID: S/01

Operation Mode: OM/02. EUT ON. Load mode (1A), load 500 ohm. Power supply: 400Vac. 50Hz

Images:



Tables:

Continuous Conducted Emissions

Frequency (MHz)	PK+ CLRWR (dBµV)	AVG CLRWR (dBµV)	Line
0.238000	76.7	62.5	L2
0.322000	73.6	55.5	L2
0.714000	62.0	51.5	L2
1.238000	70.4	63.4	L2
1.546000	82.1	70.8	L2
3.602000	78.3	66.4	L2
4.414000	94.4	82.9	L2
8.950000	79.6	59.1	L2
16.162000	76.8	63.7	L2
18.786000	74.4	59.6	L2

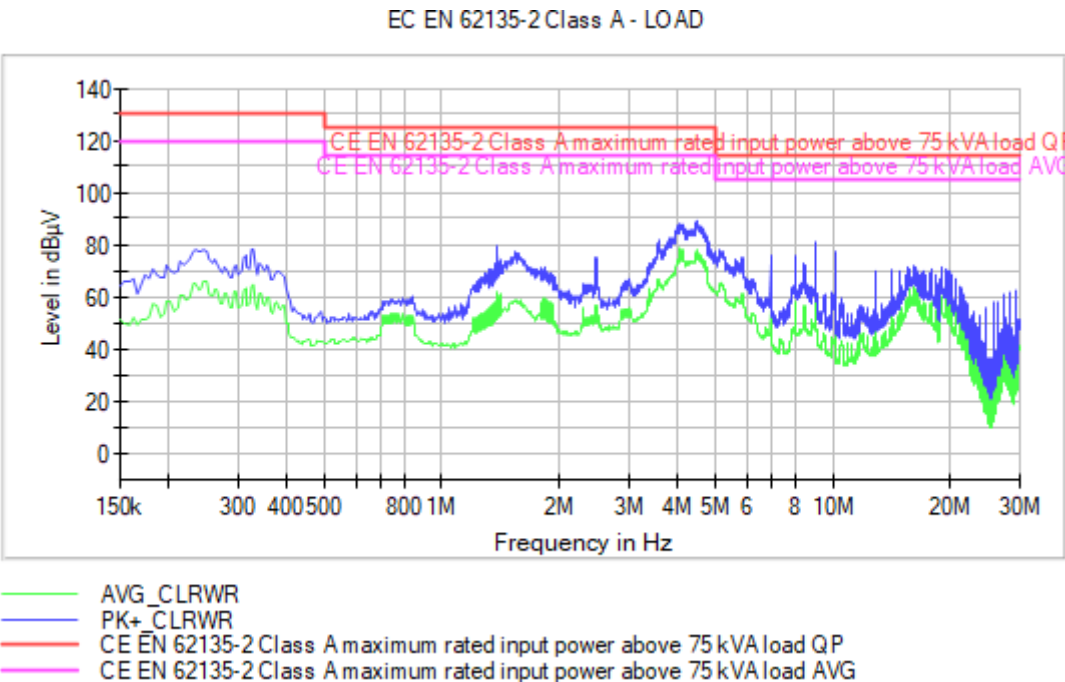
EMC Test Code = CE0102L3 Frequency Range MHz = [0.15, 30]

Conducted Emissions - Tested Line = L3

Sample ID: S/01

Operation Mode: OM/02. EUT ON. Load mode (1A), load 500 ohm. Power supply: 400Vac. 50Hz

Images:



Tables:

Continuous Conducted Emissions

Frequency (MHz)	PK+_CLRWR (dBµV)	AVG_CLRWR (dBµV)	Line
0.246000	78.3	65.7	L3
0.326000	78.2	64.5	L3
0.726000	58.4	53.3	L3
1.238000	65.6	52.7	L3
1.382000	79.7	61.9	L3
3.590000	82.2	65.6	L3
4.502000	89.4	78.1	L3
9.078000	81.0	61.4	L3
16.102000	72.7	63.6	L3
19.054000	71.5	60.5	L3

MF Magnetic field radiation disturbance

Limits for Class B equipment – Loaded state:

Frequency band (MHz)	On a test site at 3m test distance Quasi-Peak dB(μA/m)
0.15 to 30	39 Decreasing linearly with the logarithm of frequency to 3
At the transition frequency, the more stringent limit shall apply.	

Results

S/	OM	Code	Freq Rng (MHz)	V
01	OM/02	MF0102	[0.15, 30]	P

Verdict

Pass

Attachments

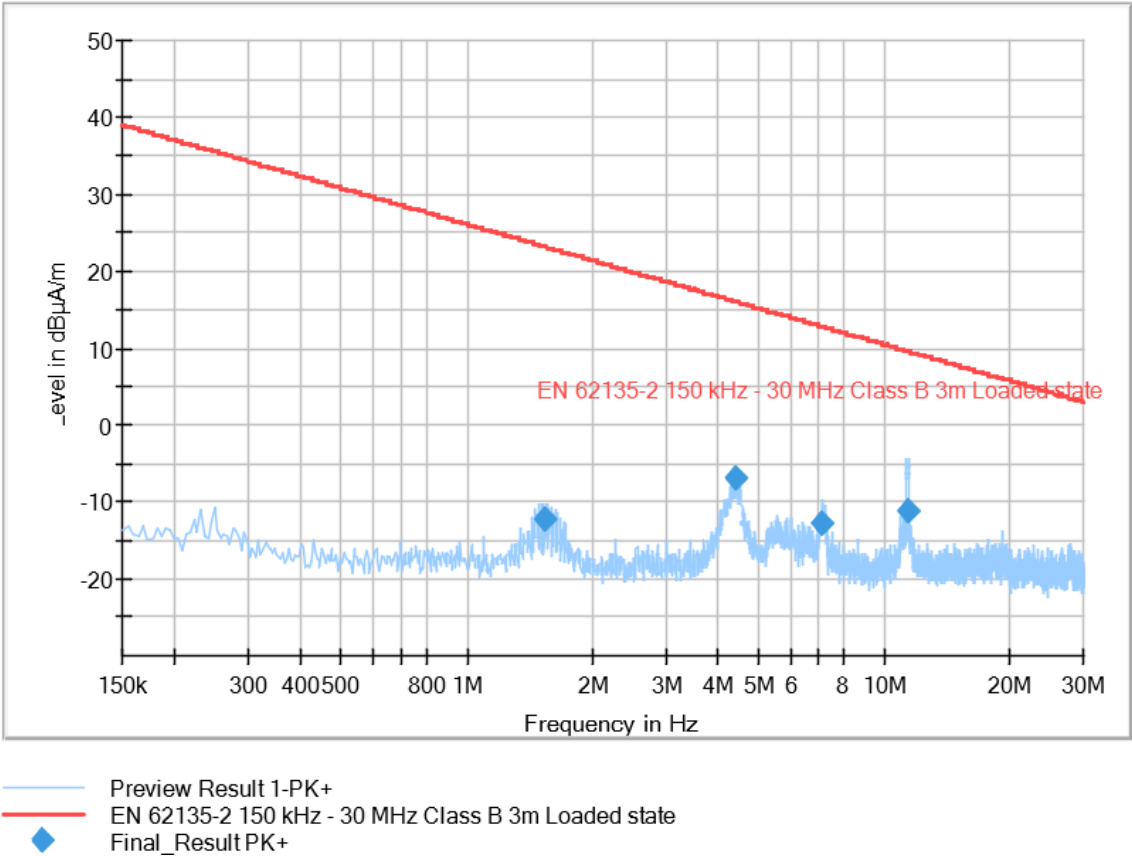
EMC Test Code = RE0102 Frequency Range MHz = [0.15, 30]

Sample ID: S/01

Operation Mode: OM/02. EUT ON. Load mode (1A), load 500 ohm. Power supply: 400Vac. 50Hz

Images:

Full Spectrum



Tables:

Radiated Emission

Frequency (MHz)	MaxPeak (dBµA/m)	Limit (dBµA/m)	Margin (dB)
1.552725	-12.23	23.12	35.35
4.407375	-6.86	16.03	22.89
7.134308	-12.97	12.76	25.73
11.401365	-11.36	9.57	20.94

RI Radiated RF Electromagnetic field immunity test

Limits

Range	Frequency	Modulation	Step	Level
A	80-1000MHz	AM 1 kHz Prof: 80%	LOG 1%	10 V/m
B	1400-6000MHz	AM 1 KHz Prof: 80%	LOG 1%	3 V/m

Results

S/	OM	Frequency Range	CPL	Immunity Lvl (V/m)	PoI	Comments	V
01	OM/02	80-1000MHz	Front (0°)	10	H/V	No fails detected	P
01	OM/02	80-1000MHz	Left (270°)	10	H/V	No fails detected	P
01	OM/02	80-1000MHz	Rear (180°)	10	H/V	No fails detected	P
01	OM/02	80-1000MHz	Right (90°)	10	H/V	No fails detected.	P
01	OM/02	1400-6000MHz	Front (0°)	3	H/V	No fails detected	P
01	OM/02	1400-6000MHz	Left (270°)	3	H/V	No fails detected	P
01	OM/02	1400-6000MHz	Rear (180°)	3	H/V	No fails detected	P
01	OM/02	1400-6000MHz	Right (90°)	3	H/V	No fails detected	P

Verdict

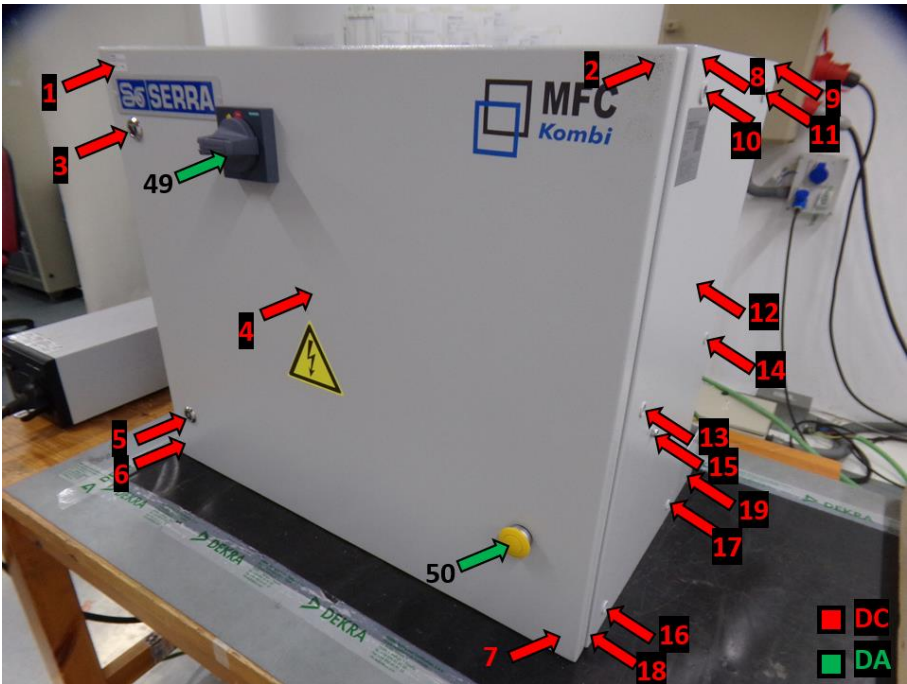
Pass

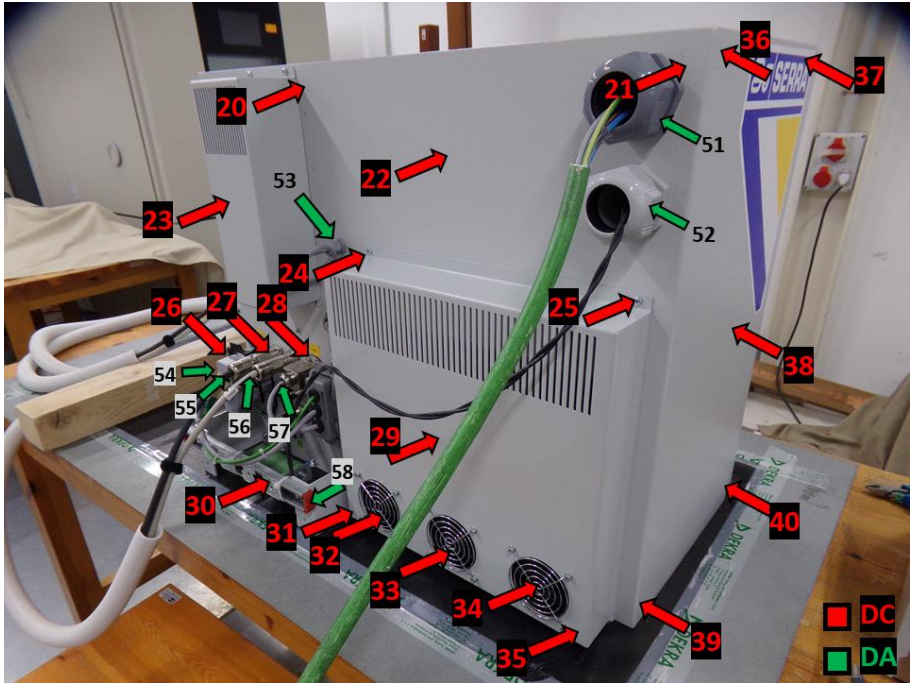
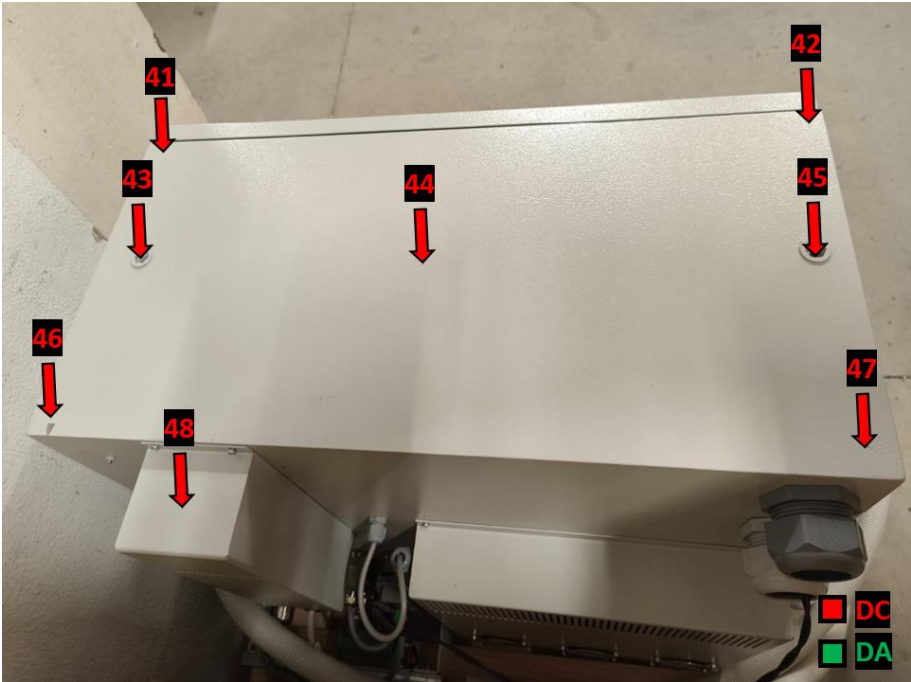
ESD Electrostatic discharge immunity test

Limits

Coupling	Level
Direct contact discharge:	±4kV
Indirect contact discharge:	±4kV
Air discharge:	±8kV

Discharge Zones:





Results

SI	OM	CPL	Immunity Lvl (kV)	CPL Type	Comments	V
01	OM/02	EUT Front, Rear, Left, Right, Top	±4	ICH/ICV	No fails detected.	P
01	OM/02	Point 01	±4	DC	No fails detected.	P
01	OM/02	Point 02	±4	DC	No fails detected.	P
01	OM/02	Point 03	±4	DC	No fails detected.	P
01	OM/02	Point 04	±4	DC	No fails detected.	P
01	OM/02	Point 05	±4	DC	No fails detected.	P
01	OM/02	Point 06	±4	DC	No fails detected.	P
01	OM/02	Point 07	±4	DC	No fails detected.	P
01	OM/02	Point 08	±4	DC	No fails detected.	P
01	OM/02	Point 09	±4	DC	No fails detected.	P
01	OM/02	Point 10	±4	DC	No fails detected.	P
01	OM/02	Point 11	±4	DC	No fails detected.	P
01	OM/02	Point 12	±4	DC	No fails detected.	P
01	OM/02	Point 13	±4	DC	No fails detected.	P
01	OM/02	Point 14	±4	DC	No fails detected.	P
01	OM/02	Point 15	±4	DC	No fails detected.	P
01	OM/02	Point 16	±4	DC	No fails detected.	P
01	OM/02	Point 17	±4	DC	No fails detected.	P
01	OM/02	Point 18	±4	DC	No fails detected.	P
01	OM/02	Point 19	±4	DC	No fails detected.	P
01	OM/02	Point 20	±4	DC	No fails detected.	P
01	OM/02	Point 21	±4	DC	No fails detected.	P
01	OM/02	Point 22	±4	DC	No fails detected.	P
01	OM/02	Point 23	±4	DC	No fails detected.	P
01	OM/02	Point 24	±4	DC	No fails detected.	P
01	OM/02	Point 25	±4	DC	No fails detected.	P
01	OM/02	Point 26	±4	DC	No fails detected.	P
01	OM/02	Point 27	±4	DC	No fails detected.	P
01	OM/02	Point 28	±4	DC	No fails detected.	P
01	OM/02	Point 29	±4	DC	No fails detected.	P
01	OM/02	Point 30	±4	DC	No fails detected.	P
01	OM/02	Point 31	±4	DC	No fails detected.	P
01	OM/02	Point 32	±4	DC	No fails detected.	P
01	OM/02	Point 33	±4	DC	No fails detected.	P
01	OM/02	Point 34	±4	DC	No fails detected.	P
01	OM/02	Point 35	±4	DC	No fails detected.	P
01	OM/02	Point 36	±4	DC	No fails detected.	P
01	OM/02	Point 37	±4	DC	No fails detected.	P
01	OM/02	Point 38	±4	DC	No fails detected.	P

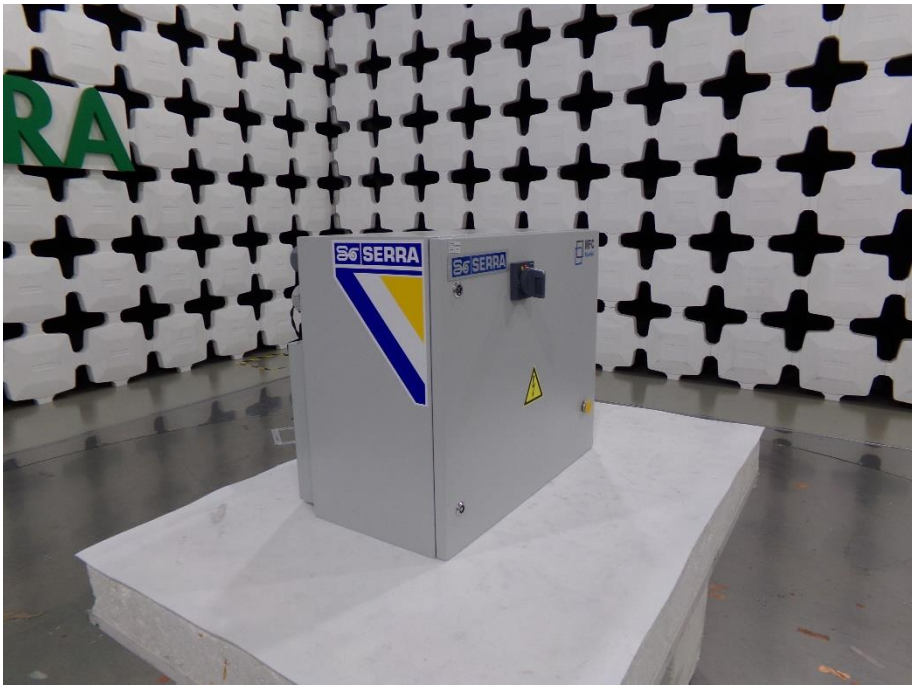
S/	OM	CPL	Immunity Lvl (kV)	CPL Type	Comments	V
01	OM/02	Point 39	±4	DC	No fails detected.	P
01	OM/02	Point 40	±4	DC	No fails detected.	P
01	OM/02	Point 41	±4	DC	No fails detected.	P
01	OM/02	Point 42	±4	DC	No fails detected.	P
01	OM/02	Point 43	±4	DC	No fails detected.	P
01	OM/02	Point 44	±4	DC	No fails detected.	P
01	OM/02	Point 45	±4	DC	No fails detected.	P
01	OM/02	Point 46	±4	DC	No fails detected.	P
01	OM/02	Point 47	±4	DC	No fails detected.	P
01	OM/02	Point 48	±4	DC	No fails detected.	P
01	OM/02	Point 49	±8	DA	No fails detected.	P
01	OM/02	Point 50	±8	DA	No fails detected.	P
01	OM/02	Point 51	±8	DA	No fails detected.	P
01	OM/02	Point 52	±8	DA	No fails detected.	P
01	OM/02	Point 53	±8	DA	No fails detected.	P
01	OM/02	Point 54	±8	DA	No fails detected.	P
01	OM/02	Point 55	±8	DA	No fails detected.	P
01	OM/02	Point 56	±8	DA	No fails detected.	P
01	OM/02	Point 57	±8	DA	No fails detected.	P
01	OM/02	Point 58	±8	DA	No fails detected.	P

Verdict

Pass

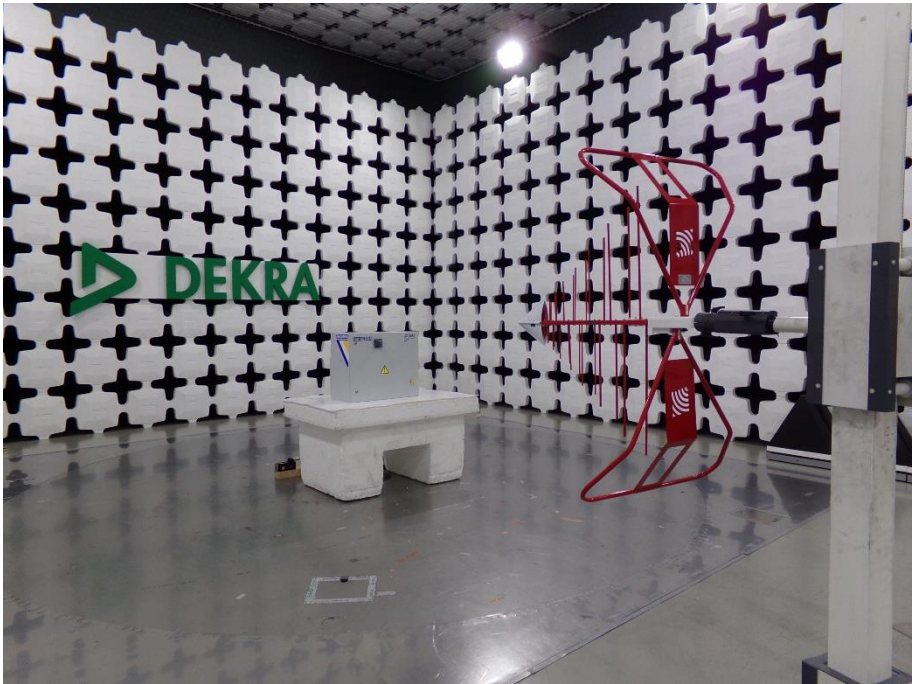
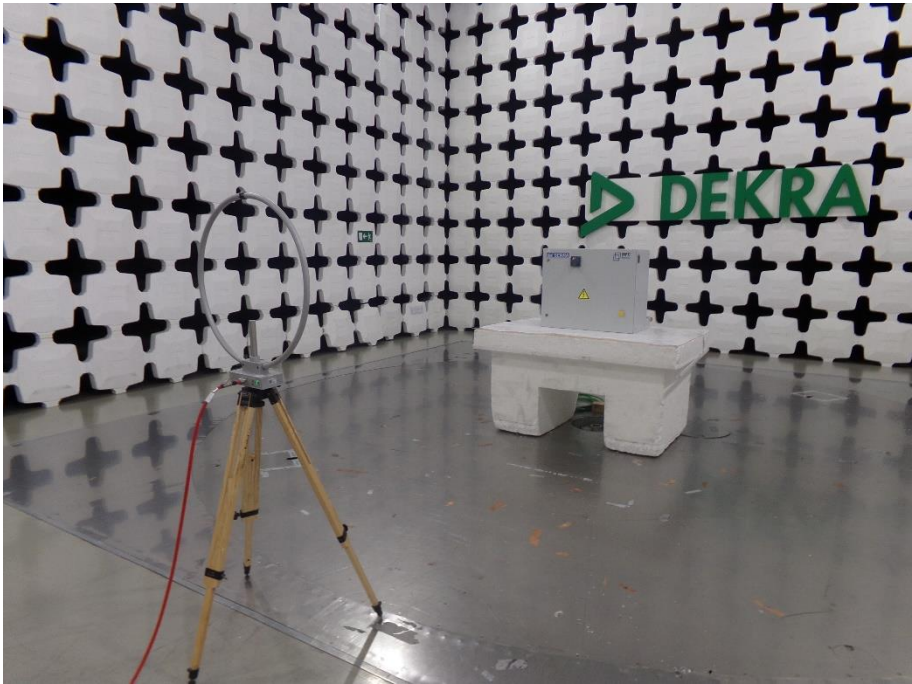
Photographs

EUT

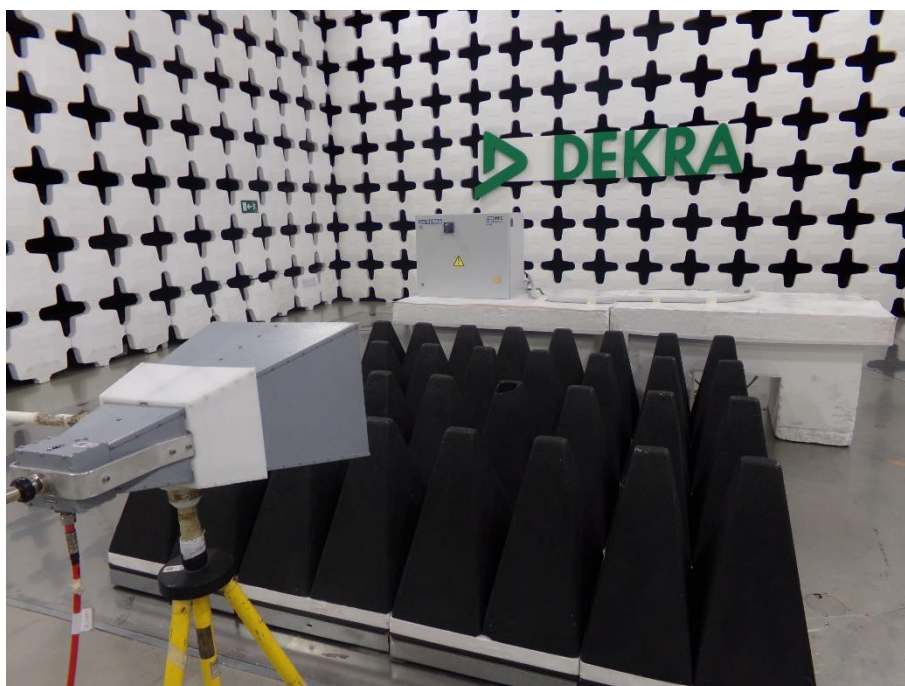
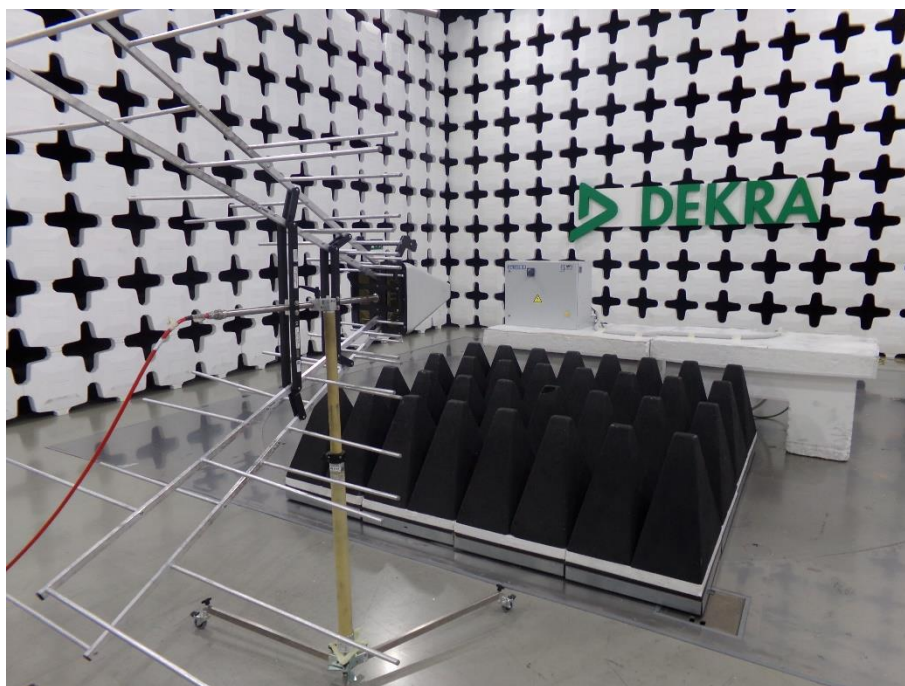




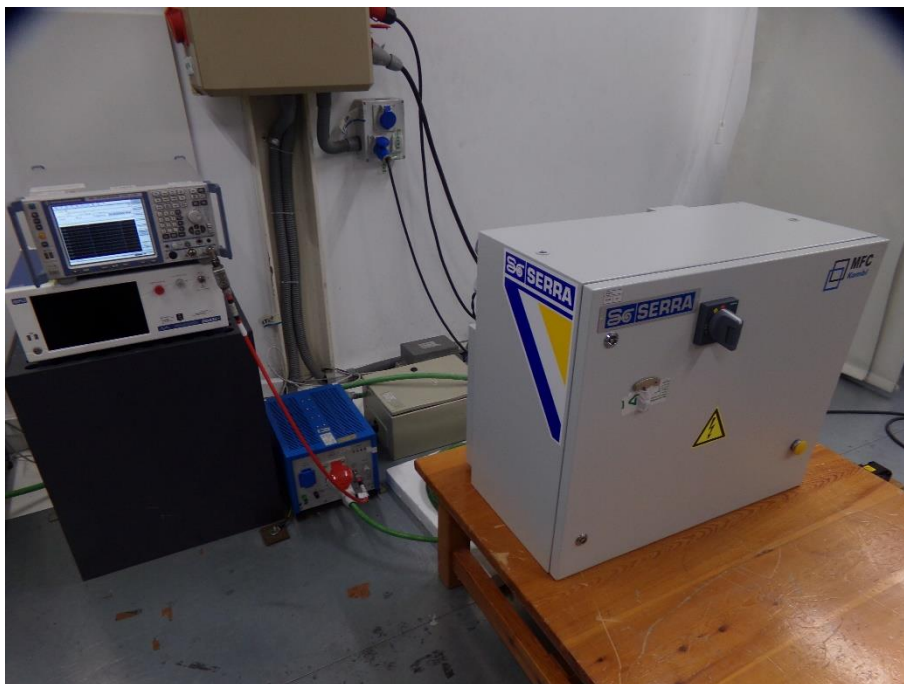
RE



RI



CE



ESD



