



FCC LISTED, REGISTRATION
 NUMBER: 2764.01

ISED LISTED REGISTRATION
 NUMBER: 23595-1

Test report No:
 4046ERM.001

Test report

FCC Rules and Regulations CFR 47, Part 15, Subpart B (2018): Radio Frequency Devices

FCC Rules and Regulations CFR 47, Part 18, Subpart C (2020): Industrial, Scientific, and Medical Equipment

&

ICES-001 Issue 5 - July (2020): Industrial, Scientific and Medical Equipment (ISM)

ICES-003 Issue 7 - October (2020): Information Technology Equipment

RSS 216 Issue 2 - January (2016): Wireless Power Transfer Devices

(*) Identification of item tested	Wireless Charging Module
(*) Trademark	Aptiv
(*) Model and /or type reference tested	WCM_tx2
(*) Derived model not tested	-
Other identification of the product	FCC ID: L2C0092TR IC ID: 3432A-0092TR
(*) Features	NFC, PLA FOD
Manufacturer	APTIV SERVICES US, LLC. 5725 Innovation Drive, Troy, Michigan 48098, USA
Test method requested, standard	FCC Rules and Regulations CFR 47, Part 15, Subpart B (2018) FCC Rules and Regulations CFR 47, Part 18, Subpart C (2018) ICES-001 Issue 5 - July (2020) ICES-003 Issue 7 - October (2020) RSS 216 Issue 2 - January (2016)
Summary	IN COMPLIANCE
Approved by (name / position & signature)	Domingo Galvez EMC&RF Lab Manager
Date of issue	02-08-2024
Report template No	FDT08_23 (*): "Data provided by the client"

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Acronyms

Acronym ID	Acronym Description
Code	EMC Test Code
Freq Rng	Frequency Range
MP	Measurement Point
OM	Operation Mode
S/	Sample
V	Verdict

Competences and guarantees

DEKRA Certification Inc. is a testing laboratory accredited by A2LA (The American Association for Laboratory Accreditation), to perform the tests indicated in the Certificate 2764.01

DEKRA Certification Inc. 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 Certification Inc. has a calibration and maintenance program for its measurement equipment.

DEKRA Certification Inc. 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 Certification at the time of performance of the test.

DEKRA Certification Inc. 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.

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 Certification Inc.

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 Certification Inc.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA Certification Inc. and the Accreditation Bodies.

Uncertainty

Uncertainty (factor k=2) was calculated according to the DEKRA Certification internal document PODT000.

	Frequency (MHz)	U (k=2)	Units
Radiated emission	30 - 1000	5.94	dB
	1000-18000	5.89	dB

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 Wireless Charging Module version 3.1 (WCM3.1), Model A & B charges consumer electronics (CE) devices wirelessly by supplying power under the Wireless Power Consortium (WPC) Qi v1.3 charging standard. The power source to the WCM is 12V vehicle battery. CAN bus is the communication interface to the vehicle. WCM3.1 is a non-terminating CAN node with output pins provisioned for a daisy-chain connection to additional downstream CAN nodes. The WCM supports functionality for detecting foreign objects, such as coins, keys, or RFID tags; and halting or prohibiting charging while the foreign object remains present on the interface surface. The WCM is capable of delivering up to 15W to the compatible CE device.

DEKRA declines any responsibility with respect to the information provided by the client and that may affect the validity of results.

Usage of samples

Samples used for the test have been selected by **The Client**.

Sample S/01 is composed of the following elements, accessories and auxiliary equipment:

Id	Control Number	Description	Manufacturer / Model	Serial N°	Date of Reception	Application
S/01	4046/01	WCM-B (Qi)	Aptiv / Model B	--	2023-11-29	Element Under Test
S/01	4046/04	Harness	Aptiv	--	2023-11-29	Element Under Test

Notes referenced to samples during the project:

Id	Type	Note
S/01	Commercial	Sample S/01 was used for: All test(s) indicated in appendix A.

Sample S/02 is composed of the following elements, accessories and auxiliary equipment:

Id	Control Number	Description	Manufacturer / Model	Serial N°	Date of Reception	Application
S/02	4046/01	WCM-B (Qi)	Aptiv / Model B	--	2023-11-29	Element Under Test
S/02	4046/04	Harness	Aptiv	--	2023-11-29	Element Under Test
S/02	4046/06	4mm Spacer	Aptiv	--	2023-11-29	Accessory
S/02	4046/07	Load	Aptiv	--	2023-11-29	Accessory

Notes referenced to samples during the project:

Id	Type	Note
S/02	Commercial	Sample S/02 was used for: All test(s) indicated in appendix B.

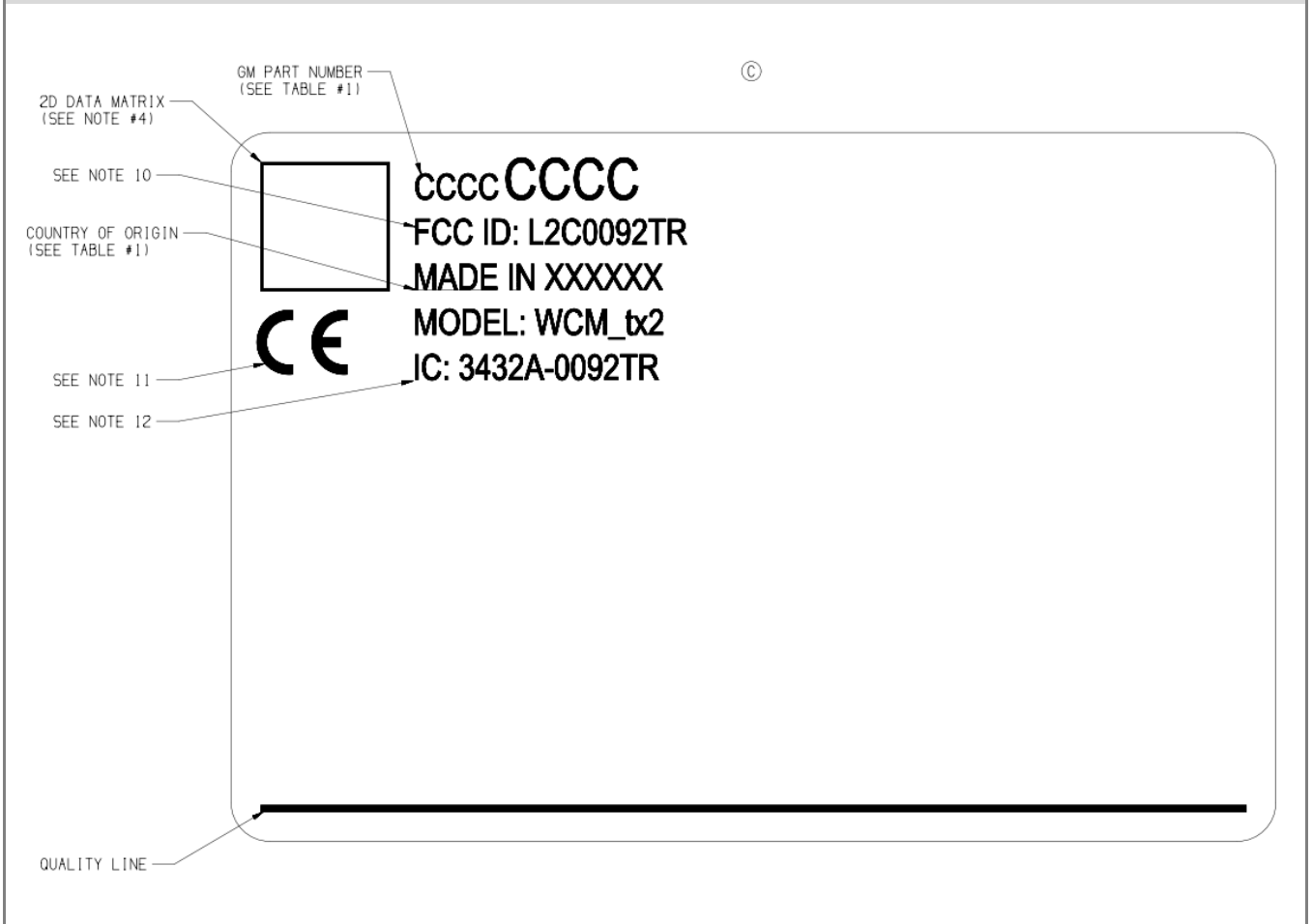
Test sample description

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

Ports..... :	Port name and description		Cable				
			Specified length [m]	Attached during test	Shielded	Coupled to patient	
	Product connector		2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Supplementary information to the ports..... :	No Data Provided						
Rated power supply	Voltage and Frequency		Reference poles				
			L1	L2	L3	N	PE
	<input type="checkbox"/>	AC:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	AC:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	DC: 13.5Vdc, 1.5A					
<input type="checkbox"/>	DC:						
Rated Power	15W						
Clock frequencies	27.12 MHz; 40 MHz						
Other parameters..... :	No Data Provided						
Software version	Qi module: WCM2_C_CERT_SW2, NFC module: WCM2_C_CERT_SW1						
Hardware version..... :	PV1						
Dimensions (W x H x D)..... :	No Data Provided						
Mounting position..... :	<input type="checkbox"/>	Table top equipment					
	<input type="checkbox"/>	Wall/Ceiling mounted equipment					
	<input type="checkbox"/>	Floor standing equipment					
	<input type="checkbox"/>	Hand-held equipment					
	<input checked="" type="checkbox"/>	Other: Built- in automotive vehicle console					
Modules/parts	Module/parts of test item		Type		Manufacturer		
	Aptiv Test Receivers		Receivers		Aptiv		
	Harness-2 meters long (6)		Harness		Aptiv		
	WCM module A- (4 Qi) (4 NFC)		WCM modules		Aptiv		
	WCM module B- (2 Qi) (2 NFC)		WCM modules		Aptiv		
Accessories (not part of the test item)	Description		Type		Manufacturer		
	No Data Provided						

Documents as provided by the applicant	Description	File name	Issue date
	Declaration Equipment Data	FDT30_19 Declaration Equipment Data_ModelB	12/19/2023
	Aptiv Receiver test instruction ppt document		11/22/2023

Copy of marking plate:



Identification of the client

APTIV SERVICES US, LLC.
 5725 Innovation Drive,
 Troy, Michigan 48098,
 USA

Testing period and place

Test Location	DEKRA Certification Inc.
Date (start)	12-19-2023
Date (finish)	12-20-2023

Document history

Report number	Date	Description
4046ERM.001	02-08-2024	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. = 860 mbar Max. = 1060 mbar

In the semi-anechoic 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. = 860 mbar Max. = 1060 mbar

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. = 860 mbar Max. = 1060 mbar

Remarks and comments

- The tests have been performed by the technical personnel: Qi Zhang, Koji Nishimoto, and Victor Albrecht.

Testing verdicts

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

Summary

Emission Test - Unintentional Radiators FCC Rules and Regulations CFR 47, Part 15, Subpart B / ICES 003			
Report Section	Requirement – Test case	Verdict	Remark
A.1	Radiated Emission Electromagnetic Field (30 MHz – 1000 MHz)	P	N/A
-	Radiated Emission Electromagnetic Field (1 GHz – 18 GHz)	N/A	Refer 1
-	Radiated Emission Electromagnetic Field (18 GHz – 40 GHz)	N/A	Refer 1
-	Continuous Conducted Emission on Power Leads (150 kHz to 30 MHz)	N/A	Refer 2, 3
Supplementary information and remarks:			
<p>1) According with the requirements of FCC Rules and Regulations, title 47, Chapter I, Subchapter A, Part 15, Subpart A, §15.33 Frequency range of radiated measurements, (b) for unintentional radiators, (1) due to The Highest frequency generated or used in the device in the range of 1.705 -108MHz, The Upper frequency of measurement range is up to 1000MHz.</p> <p>2) According with the requirements of FCC Rules and Regulations, title 47, Chapter I, Subchapter A, Part 15, Subpart B, §15.107 Conducted limits, (d) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation, and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provision for, the use of battery chargers which permit operating while charging, AC adaptors or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.</p> <p>3) Exemptions from the scope of ICES-003, clause 1.5.1 ICES-003 does not apply to the following types of equipment (a) ITE or digital apparatus factory-installed in vehicles, boats or devices equipped with internal combustion engines, traction batteries or both (subject to ICES-002). ITE or digital apparatus not factory-installed in vehicles, boats or devices equipped with internal combustion engines, traction batteries or both do not qualify for this exemption.</p>			

Emission Test - Intentional Radiators FCC Rules and Regulations CFR 47, Part 18, Subpart C / ICES 001			
Report Section	Requirement – Test case	Verdict	Remark
B.1	Radiated Emission Electromagnetic Field (0.009-30 MHz)	P	N/A
B.1	Radiated Emission Electromagnetic Field (30 MHz – 1000 MHz)	P	N/A
-	Radiated Emission Electromagnetic Field (1 GHz – 18 GHz)	N/A	Refer 1
-	Continuous Conducted Emission on Power Leads (150 kHz to 30 MHz)	N/A	Refer 2
Supplementary information and remarks:			
<p>1) According with the requirements of FCC Rules and Regulations, title 47, Chapter I, Subchapter A, Part 18, Subpart C, §18.309 Frequency range of measurements, (a) For field strength measurements, due to the frequency band in which device operates below 500 MHz, the highest frequency of measurement range is 10th harmonic or 1,000 MHz, whichever is higher.</p> <p>2) According with the requirements of FCC Rules and Regulations, title 47, Chapter I, Subchapter A, Part 18, Subpart C, §18.307 Conduction limits, for the equipment designed to be connected to the public utility (AC) power line the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies shall not exceed the limits in the tables (a) All Induction cooking ranges and ultrasonic equipment, (b) All other part 18 consumer devices, (c) RF lighting devices. Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal using a 50 µH/50 ohms line impedance stabilization network (LISN).</p>			

List of equipment used during the test

Radiated Emission Equipment

Control No.	Equipment	Model	Manufacturer	Next Calibration
1062	Active loop antenna	6502	ETS Lindgren	2026-07-25
1064	Biconilog antenna	3142E	ETS Lindgren	2024-12-13
1108	Ethernet SNMP thermometer	HWg-STE Plain	HW Group	2024-10-17
1111	Ethernet SNMP thermometer	HWg-STE Plain	HW Group	2024-10-18
1179	Semi-anechoic chamber	SAC 3plus 'L'	Frankonia	--
1217	Frankonia transparent test table 1	FFT-Square	Frankonia	--
1314	Wireless Measurement Software R&S EMC32	--	Rhode & Schwarz	--
1374	EMI Test receiver	ESR7	Rhode & Schwarz	2024-05-26

Appendix A:

Test results FCC Part 15 / ICES-003

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	DUT ON. WPT charger and NFC in standby mode. Powered by 13.5Vdc

* **Worst configuration detected**

Test Conditions

RADIATED MEASUREMENTS:

All radiated tests were performed in a semi-anechoic chamber. The measurement antenna is situated at a distance of 3 m for the frequency range 30-1000 MHz (Bilog antenna).

The equipment under test was set up on a non-conductive platform above the ground plane and the situation and orientation was varied to find the maximum radiated emission. It was also rotated 360° and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

Measurements were made in both horizontal and vertical planes of polarization.

The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

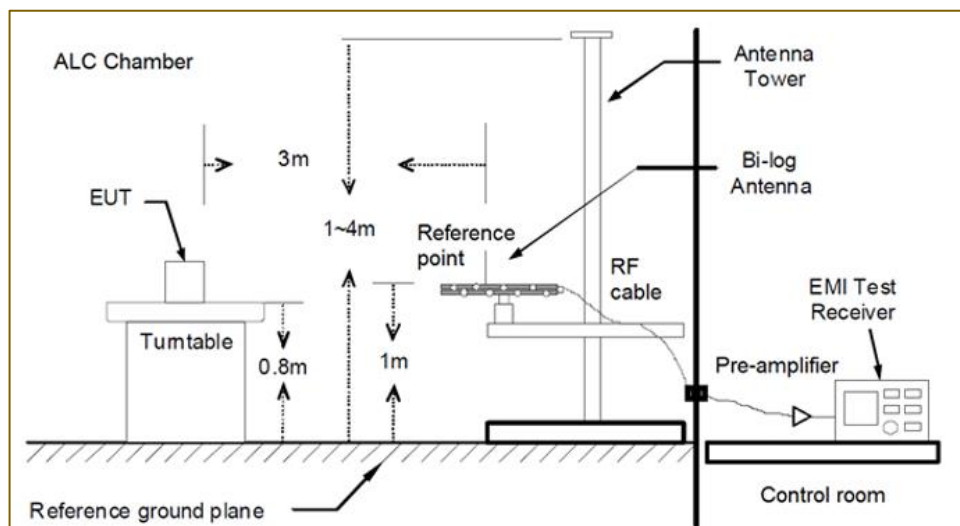


Fig A1: Generic setup for measurements from 30 to 1000 MHz

Test Cases Details

Radiated Emission Electromagnetic Field

Limits

Limits of interference Class B

The applied limit for radiated emissions, according to the requirements of:

- a) **FCC Rules and Regulations 47 CFR Part 15: Radio Frequency Devices, Subpart B: Unintentional Radiators, Secs. 15.109 (a):** [54 FR 17714, Apr. 25, 1989, as amended at 56 FR 373, Jan. 4, 1991; 58 FR 51249, Oct. 1, 1993; 66 FR 19098, Apr. 13, 2001; 67 FR 48993, July 29, 2002; 69 FR 2849, Jan. 21, 2004; 80 FR 33447, June 12, 2015].
- b) **ICES-003 Issue 7, Secs 3.2.2, table 2 & 4 (October 2020).**

Frequency range (MHz)	FCC Part 15B		ICES-003 Issue 7		FCC Part 15B & ICES-003 Issue 7	
	QP Limit for 3 m		QP Limit for 3 m		PK Limit for 3 m	AVG Limit for 3 m
	($\mu\text{V/m}$)	($\text{dB}\mu\text{V/m}$)	($\mu\text{V/m}$)	($\text{dB}\mu\text{V/m}$)	($\text{dB}\mu\text{V/m}$)	($\text{dB}\mu\text{V/m}$)
30 to 88	100	40	100	40	---	---
88 to 216	150	43.5	150	43.5	---	---
216 to 230	200	46	200	46	---	---
230 to 960	200	46	224	47		
960 to 1000	500	54	500	54	---	---
Above 1000	---	---	---	---	74	54

Limits according to FCC Part 15B, are equal or more stringent than those of ICES-003 Issue 7.

Code: REmmnRR_PP

- RE: Radiated Emission,
 - mm: Sample number,
 - nn: Operation mode,
 - RR: Frequency range
- Low Range = LR: [30, 1000];
High Range = HR: [1000, 18000]

Results

S/	OM	Code	Freq Rng (MHz)	V
01	OM/01	RE0101LR	[30, 1000]	P

Verdict

Pass

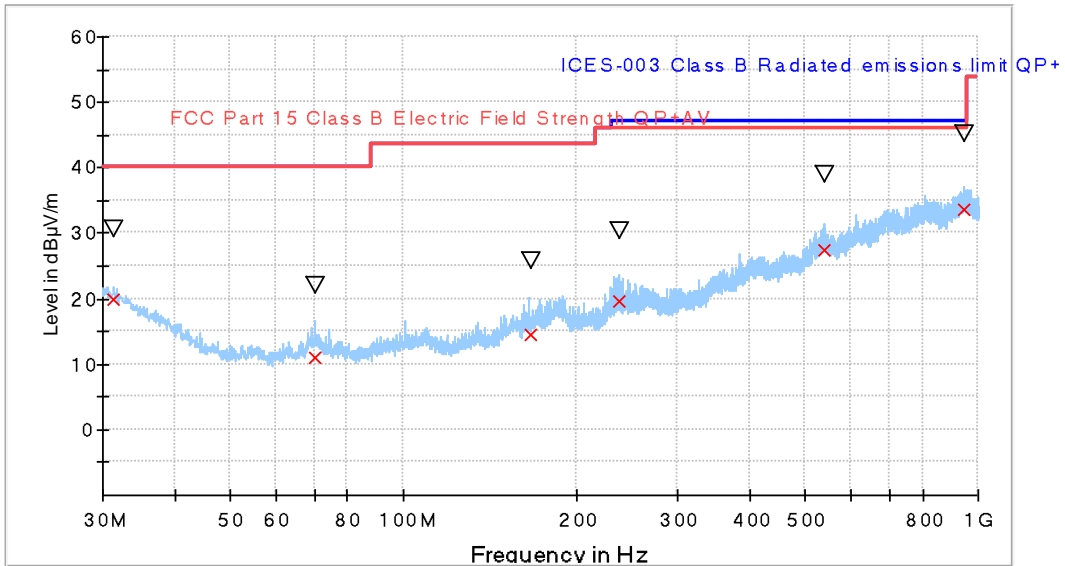
Attachments

EMC Test Code = RE0101LR Frequency Range MHz = [30, 1000]

Sample ID: S/01

Operation Mode: OM/01. DUT ON. WPT charger and NFC in standby mode. Powered by 13.5Vdc

Images:



- ICES-003 Class B Radiated emissions limit QP+AV
- Preview Result 1-PK+
- FCC Part 15 Class B Electric Field Strength QP+AV
- x Final Result QPK
- ▽ Final Result PK+

Tables:

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Azimuth (deg)
31.326648	19.87	30.73	40.00	20.13	V	93.0
70.002785	10.92	21.91	40.00	29.08	V	-86.0
166.092114	14.54	25.89	43.50	28.96	H	-17.0
236.874997	19.52	30.46	46.00	26.48	H	135.0
540.036349	27.49	39.02	46.00	18.51	H	0.0
943.618770	33.61	45.24	46.00	12.39	H	-96.0

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time
30 MHz - 1 GHz	48.5 kHz	PK+	100 kHz	1 s

Appendix B:

Test results FCC Part 18 / ICES-001 / RSS-216

Appendix B 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	DUT ON. WPT charging mode. Powered by 13.5Vdc

* **Worst configuration detected**

Test Conditions

RADIATED MEASUREMENTS:

All radiated tests were performed in a semi-anechoic chamber. The measurement antenna is situated at a distance of 3 m for the frequency ranges of 9kHz to 30MHz (loop Antenna) and 30-1000 MHz (Bilog antenna).

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

For Bilog antenna; the antenna height was varied from 1 to 4 meters to find the maximum radiated emission. Measurements were made in both horizontal and vertical planes of polarization.

For Loop antenna; The antenna orientation was varied along X, Y and Z axes to find maximum radiated emissions.

The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

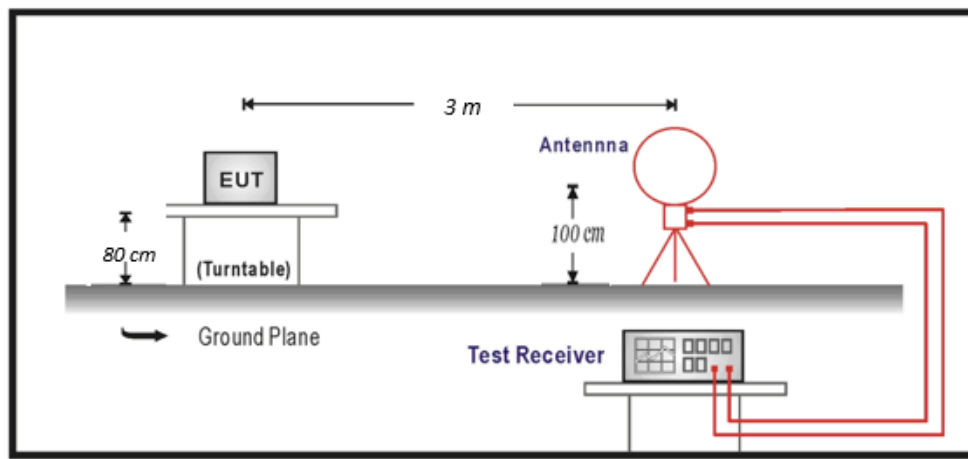


Fig B1: Generic setup for measurements from 9kHz to 30 MHz

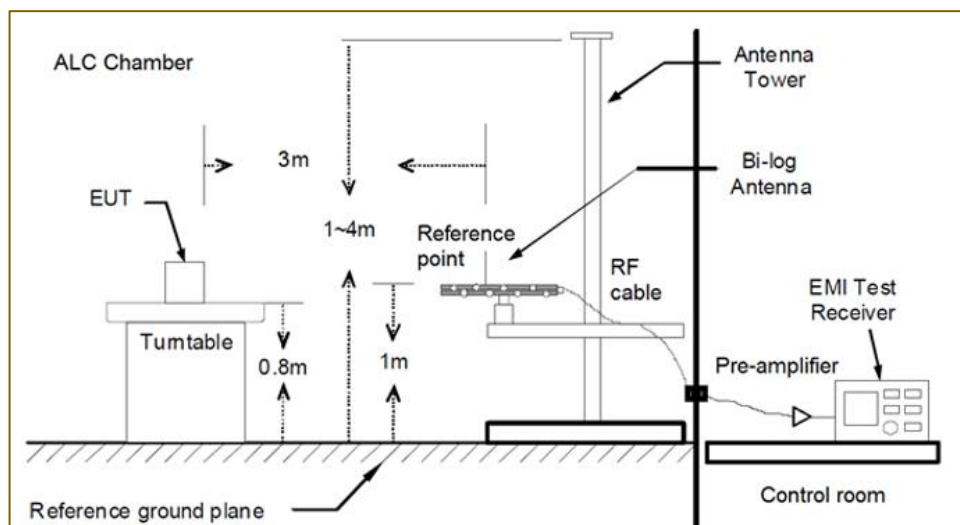


Fig B2: Generic setup for measurements from 30 to 1000 MHz

Test Cases Details

Radiated Emission Electromagnetic Field

Limits

Limits of interference Class B

The applied limit for radiated emissions, according to the requirements of:

- a) **FCC Rules and Regulations 47 CFR Part 18: Industrial, Scientific, and Medical Equipment, Subpart C: Technical Standards, Secs. 18.305 (b):** [50 FR 36070, Sept. 5, 1985, as amended at 51 FR 17970, May 16, 1986; 52 FR 43197, Nov. 10, 1987].

Equipment	Operating frequency	RF Power generated by equipment (Watts)	Field strength limit ($\mu\text{V/m}$)	Distance (meters)
Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500 500 or more	25 $25 \times \text{SQRT}(\text{power}/500)$	300 300 ⁽¹⁾
	Any non-ISM frequency	Below 500 500 or more	15 $15 \times \text{SQRT}(\text{power}/500)$	300 300 ⁽¹⁾
Industrial heaters and RF stabilized arc welders	On or below 5,725 MHz Above 5,725 MHz	Any Any	10 ⁽²⁾	1,600 ⁽²⁾
Medical diathermy	Any ISM frequency	Any	25	300
	Any non-ISM frequency	Any	15	300
Ultrasonic	Below 490 kHz	Below 500 500 or more	$2,400/F(\text{kHz})$ $2,400/F(\text{kHz}) \times \text{SQRT}(\text{power}/500)$	300 300 ⁽³⁾
	490 to 1,600 kHz Above 1,600 kHz	Any Any	$24,000/F(\text{kHz})$ 15	30 30
Induction cooking ranges	Below 90 kHz	Any	1500	30 ⁽⁴⁾
	On or above 90 kHz	Any	300	30 ⁽⁴⁾

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.
2: Reduced to the greatest extent possible.
3: Field strength may not exceed 10 $\mu\text{V/m}$ at 1600 meters. Consumer equipment is not permitted the increase in field strength otherwise permitted here for over 500 watts.
4: Induction cooking ranges manufactured prior to February 1, 1980, shall be subject to the field strength limits for miscellaneous ISM equipment

Note 1: Limit 3m (dB $\mu\text{V/m}$) = Limit 300m (dB $\mu\text{V/m}$) + 40log(300m/3m) (Below 30MHz) according to 15.31

Note 2: Limit 3m (dB $\mu\text{V/m}$) = Limit 300m (dB $\mu\text{V/m}$) + 20log(300m/3m) (Above 30MHz) according to 15.31

Note 3: This product is a wireless charger which operates at (105 kHz - 115kHz, 110kHz nominal). So, the limit of miscellaneous with non-ISM frequency is applied.

- b) **RSS-216 Issue 2, clause 6.2.2.2 (January 2016), Radiated Emissions limits mentioned as below:**
The magnetic field radiated emissions within 9 kHz – 30 MHz from the WPT subassembly of WPT source and client devices and WPT systems shall comply with the limits applicable to induction cooking equipment, asset out in ICES-001.
- c) **ICES-001 Issue 5, clause 3.3.4.1, table 2 (July 2020).**

Table 2: Magnetic field strength radiated emission limits for induction cooking appliances

Frequency range (MHz)	QP Limit at 3 m	
	(dB $\mu\text{A/m}$)	(dB $\mu\text{V/m}$)
0.009 - 0.07	69	120.5
0.07 - 0.15	69 - 39*	120 - 90.5*
0.15 - 30	39 - 7*	90.5 - 58.5*
230 to 960	224	47

The limit level decreases linearly with the logarithm of frequency.

d) ICES-001 Issue 5, clause 3.3.4.1, table 4 (July 2020).

Table 4: Electric field strength radiated emission limits for induction cooking appliances

Frequency range (MHz)	QP Limit at 3 m	Note:
	(dB μ V/m)	Limits for OATS or SAC*
30 - 230	40	*OATS = open-area test site
230 - 1000	47	*SAC = semi-anechoic chamber

Limits according to ICES-001 Issue 5, are equal or more stringent than those of FCC Part 18 Part C.

Code: REmmnnRR_PP

- RE: Radiated Emission,
 - mm: Sample number,
 - nn: Operation mode,
 - RR: Frequency range
- Low Range = LR1: [0.009, 30];
 Low Range = LR2: [30, 1000];
 High Range = HR: [1000, 18000]

Results

S/	OM	Code	Freq Rng (MHz)	V
02	OM/01	RE0101LR1	[0.009, 30]	P
02	OM/01	RE0101LR2	[30, 1000]	P

*Worst case Y orientation observed for LR1, and the plot is shown below

Verdict

Pass

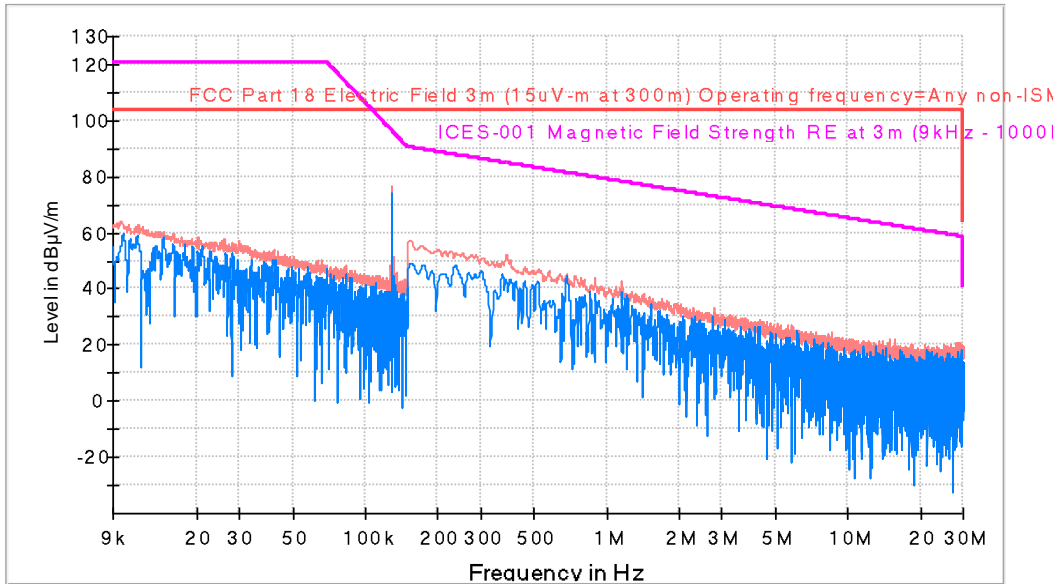
Attachments

EMC Test Code = RE0101LR1 Frequency Range MHz = [0.009, 1000]

Sample ID: S/01

Operation Mode: OM/01. DUT ON. WPT charging mode. Powered by 13.5Vdc.

Images:



- FCC Part 18 Electric Field 3m (15uV-m at 300m) Operating frequency=Any non-ISM frequer
- ICES-001 Magnetic Field Strength RE at 3m (9kHz - 1000MHz)
- PK+_MAXH
- PK+_CLRWR

Tables:

Frequency (MHz)	PK+_CLRWR (dBuV/m)	PK+_MAXH (dBuV/m)	Pol	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Comment
0.009766	56.7	64.2	H	39.3	103.5	
0.128206	74.0	76.6	H	26.9	103.5	Fundamental, Orientation Y
0.153980	49.3	57.3	H	46.2	103.5	
1.150970	39.0	42.8	H	60.7	103.5	

Spectrum Analyzer Parameters

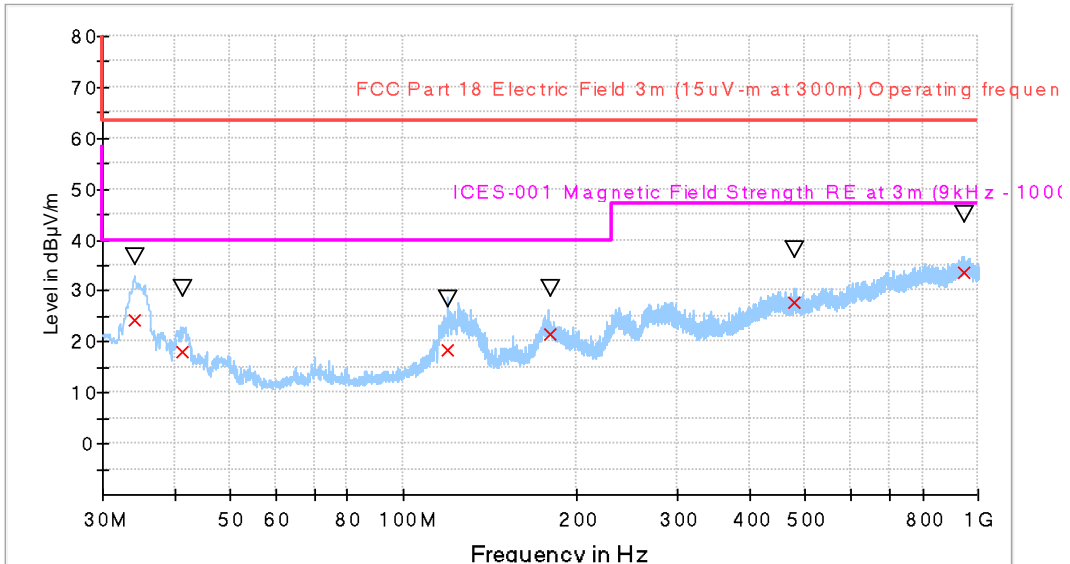
Subrange	Step Size	Detectors	Bandwidth	Sweep Time
9 kHz - 150 kHz	4.7 Hz	PK+	200 kHz	Coupled
150 kHz - 30 MHz	995 Hz	PK+	10 kHz	Coupled

EMC Test Code = RE0101LR2 Frequency Range MHz = [30, 1000]

Sample ID: S/01

Operation Mode: OM/01. DUT ON. WPT charging mode. Powered by 13.5Vdc

Images:



- FCC Part 18 Electric Field 3m (15uV-m at 300m) Operating frequency=Any non-ISM frequer
- ICES-001 Magnetic Field Strength RE at 3m (9kHz - 1000MHz)
- Preview Result 1-PK+
- ▽ Final Result PK+
- × Final Result QPK

Tables:

Frequency (MHz)	QuasiPeak (dBuV/m)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)
33.980518	24.43	36.60	40.00	15.57	H	51.0
41.183514	18.21	30.49	40.00	21.79	H	26.0
119.785296	18.39	28.33	43.50	25.11	H	160.0
179.765712	21.33	30.62	43.50	22.17	V	174.0
478.028199	27.82	38.01	46.00	18.18	V	-37.0
942.649232	33.64	44.95	46.00	12.36	H	131.0

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time
30 MHz - 1 GHz	48.5 kHz	PK+	100 kHz	1 s