telefication bv
The Netherlands
Chamber of Commerce
51565536
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telefication

FCC and IC Test report for parts 15.107, 15.109 RSS-Gen

Product name	: Public accessible, dual USB power outlet for charging mobile devices
Applicant	: Expice B.V.
FCC ID	: 2AXJL-SL2USBA0
ISED ID	: 26524-SL2USBA0

Test report No. : 200700202 001 Ver 3.0

Laboratory information

Accreditation

Telefication complies with the accreditation criteria for test laboratories as laid down in ISO/IEC 17025:2017. The accreditation covers the quality system of the laboratory as well as the specific activities as described in the authorized annex bearing the accreditation number L021 and is granted on 30 November 1990 by the Dutch Council For Accreditation (RvA: Raad voor Accreditatie).

Telefication is designated by the FCC as an Accredited Test Firm for compliance testing of equipment subject to Certification under Parts 15 & 18. The Designation number is: NL0001.

Telefication is a Wireless Device Testing laboratory recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements.
The Industry Canada registration number for the 3 meter test chamber of Telefication is: 4173A-1.

Telefication is a registered Conformity Assessment body (CAB) under the Japan-EC MRA (Agreement on Mutual Recognition between Japan and the European Community). The registration number is: 201.

Documentation

The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 10 years at Telefication Netherlands.

Testing Location

Test Site	Telefication BV
Test Site location	Edisonstraat 12a 6902 PK Zevenaar The Netherlands Tel. +31316583180 Fax. +31316583189
Test Site FCC	NL0001

Revision History

Version	Date	Remarks	By
v0.50	13-08-2020	First draft	PvW
v1.00	13-08-2020	Initial release version	PvW
V2.00	27-10-2020	Second release • FCC ID added; • ISED ID added	PS
V3.0	12-11-2020	Added references to IC standards	PvW

Table of Contents

Summary of Test results

FCC part 15B	IC standard	Description	Section in report	Verdict
15.109 (b)	RSS-Gen 8.9	Radiated spurious emissions	3.1	Pass
15.107 (b)	RSS-Gen 8.8	Conducted spurious emissions on AC mains	3.2	Pass

1 General Description

1.1 Applicant

Client name:	Expice B.V.
Address:	De Corantijn 29
Zip code:	1689 AN, Zwaag, The Netherlands
Telephone:	229-284700
E-mail:	sales@expice.nl
Contact name:	R. Hagendoorn

1.2 Manufacturer

Client name:	Expice B.V.
Address:	De Corantijn 29
Zip code:	1689 AN, Zwaag, The Netherlands
Telephone:	229-284700
E-mail:	sales@expice.nl
Contact name:	R. Hagendoorn

1.3 Tested Equipment Under Test (EUT)

Product name:	Public accessible, dual USB power outlet for charging mobile devices
Brand name:	Streetlife
Model number:	Power Charger USB
FCC ID	2AXJL-SL2USBA0
ISED ID	26524-SL2USBA0
Variant Model(s):	--
Software version:	--
Hardware version:	V1.0
Date of receipt:	21-04-2020
Tests started:	12-08-2020
Testing ended:	13-08-2020

1.4 Product specifications of Equipment under test

The device under test is a public accessible, dual USB power outlet for charging mobile devices. The EUT is 24V DC powered, which will be connected to a dedicated AC/DC converter.

1.5 Environmental conditions

Test date	12-08-2020	13-08-2020
Ambient temperature	28.7°C	28.2°C
Humidity	42.1%	47.0%

1.6 Measurement standards

- ANSI C63.4:2014

1.7 Applicable standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart B §15.107
- FCC Part 15 Subpart B §15.109
- RSS-Gen

1.8 Observation and remarks

The EUT is considered class A equipment.

1.9 Conclusions

The sample of the product showed NO NON-COMPLIANCES to the specifications stated in paragraph 1.7 of this report.

The results of the test as stated in this report, are exclusively applicable to the product items as identified in this report. Telefication accepts no responsibility for any properties of product items in this test report, which are not supported by the tests as specified in paragraph 1.7 *"Applicable standards".*

All conducted tests are performed by:

Name : P. van Wanrooij, BASc

Review of test methods and report by:

Name : ing. R. van Barneveld

The above conclusions have been verified by the following signatory:

Date : 12-11-2020

Name : P. van Wanrooij, BASc

Function : Test Engineer

Signature :

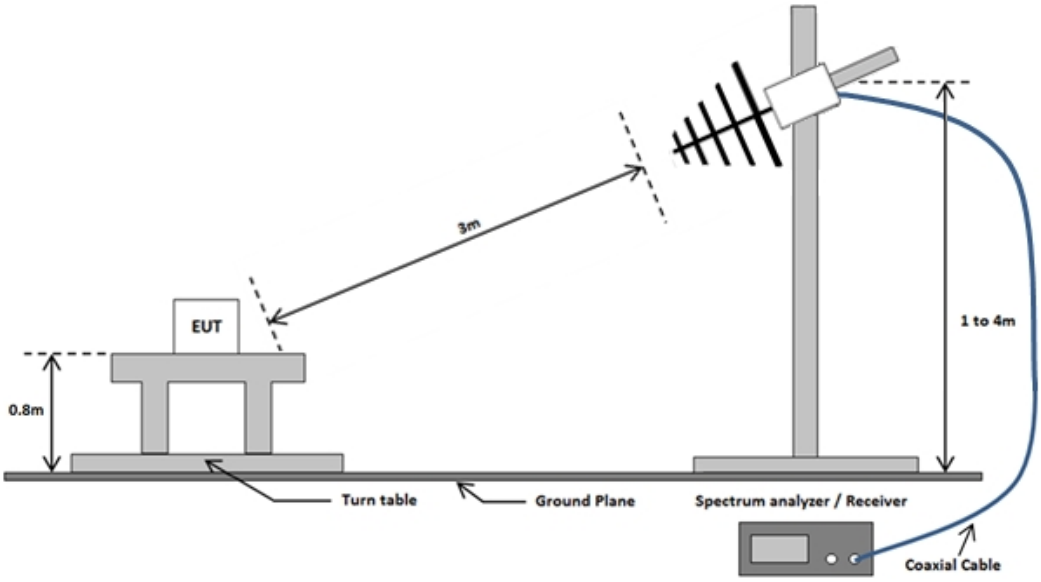
2 Test configuration of the Equipment Under Test

2.1 Test mode

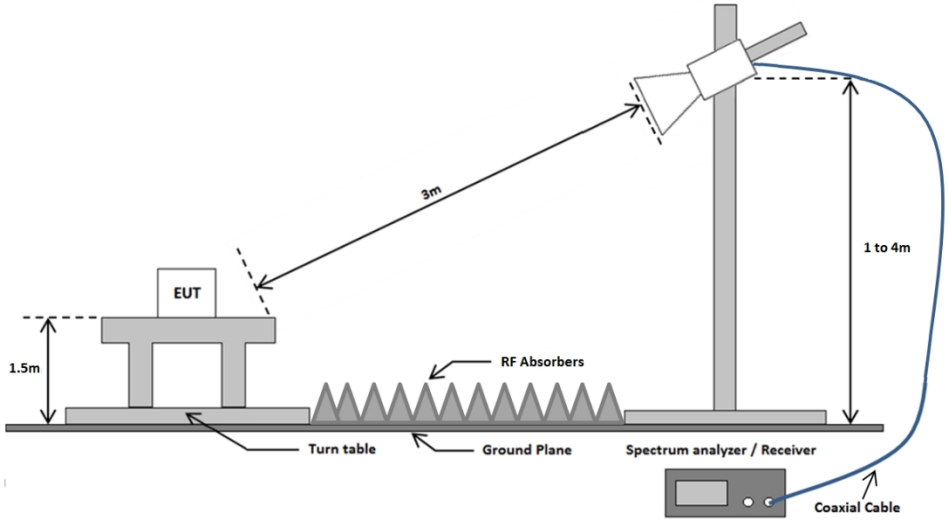
The EUT is tested in normal operating mode, with all ports connected.

2.2 Test setups

Radiated emissions test setup 30 MHz - 1 GHz

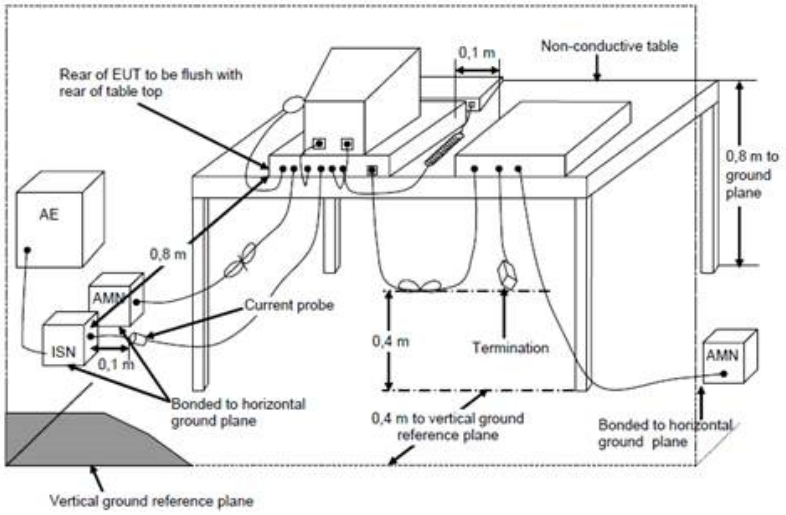


Radiated emissions test setup above 1 GHz



Conducted emissions test setup

Emissions test at AC mains



2.3 Equipment used in the test configuration

Description	Manufacturer	Model	ID	Used at Par.
EMI Receiver	Rohde & Schwarz	ESCI	TE11128	3.2
EMI Receiver	Rohde & Schwarz	ESR7	TE01220	3.1
Biconilog Antenna	Chase	CBL6112a	TE00967	3.1
SA-Chamber	Comtest Engineering BV	-	TE00861	3.1
Aritifcal Mains network (AMN)	Rohde & Schwarz	ENV216	TE11176	3.2
AC Source	Chroma	61601	TE02001	3.1,3.2
Measurement software	DARE!!	Radimation® Ver. 2019.2.8	TE02008	3.1,3.2

3 Test results

3.1 Radiated spurious emissions

3.1.1 Limit

15.109 (b), RSS-Gen
The field strength of radiated emissions from a Class A digital device shall not exceed the following:

Frequency of emission (MHz)	Field strength at 3m (dBµV/m)
30 - 88	49.5
88 – 216	54.0
216 – 960	56.9
960 and above	60.0

3.1.2 Measurement instruments

The measurement instruments are listed in chapter 2.3 of this report.

3.1.3 Test setup

The test setup is as shown in chapter 2.2 of this report.

3.1.4 Test procedure

30 MHz to 26.5 GHz: According to ANSI C63.4-2014, section 8.3

30 MHz to 1 GHz: IRN 026 – Method 1

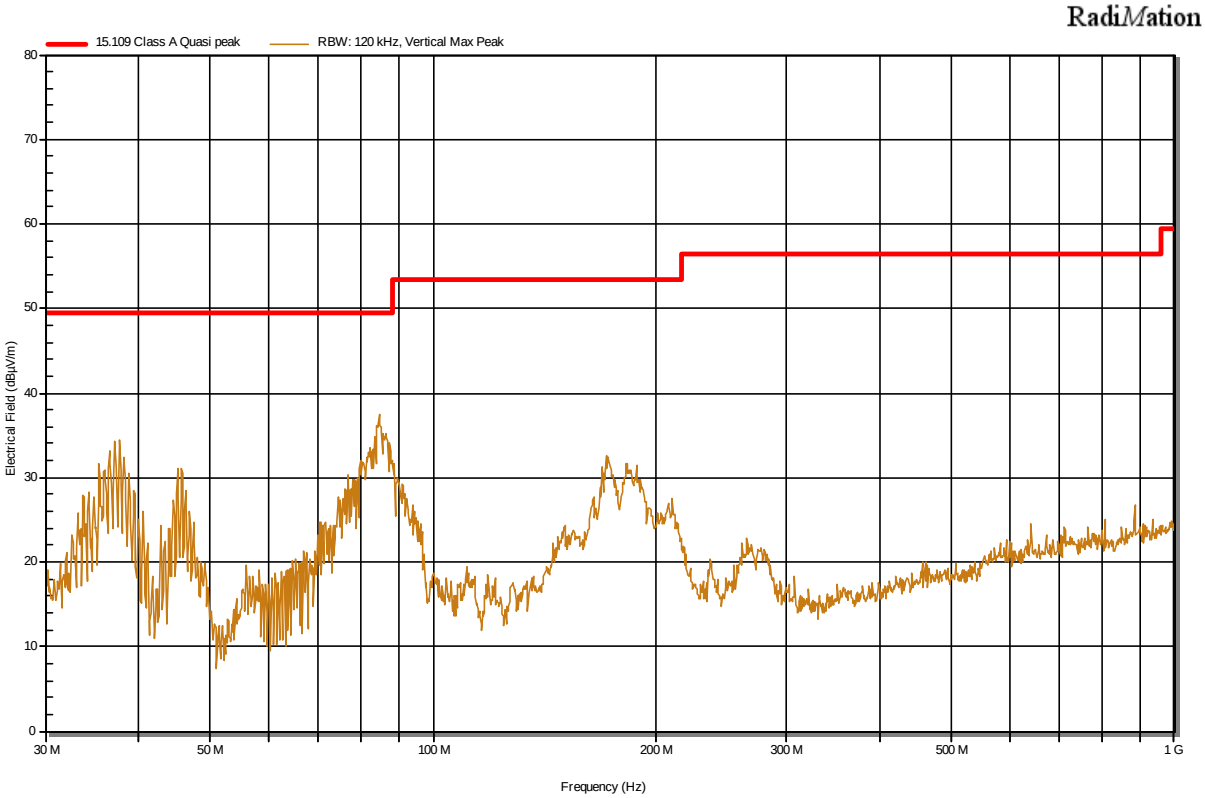
3.1.5 Measurement Uncertainty

Frequency range	Polarization	Uncertainty
30 – 200 MHz	Horizontal	±4.5 dB
	Vertical	±5.4 dB
200 -1000 MHz	Horizontal	±3.6 dB
	Vertical	±4.6 dB

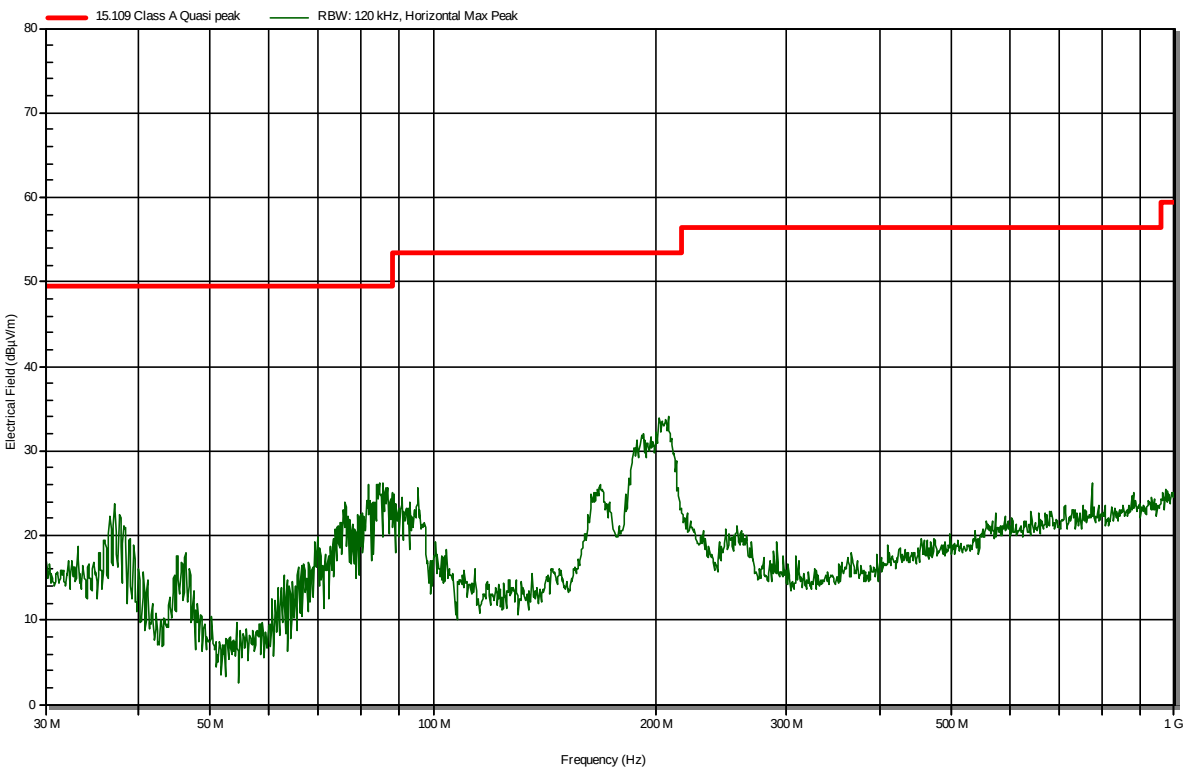
3.1.6 Plots of the Radiated Spurious Emissions Measurement

30 -1000 MHz

Vertical polarization



Horizontal polarization



3.2 Conducted emissions

3.2.1 Limit

According to 15.107 (b), Class A, RSS-Gen

Frequency of emission (MHz)	Conducted limit (dBµV)	
	Quasi-Peak	Average
0.15 – 0.50	79	66
0.50 – 30.0	73	60

3.2.2 Measurement instruments

The measurement instruments are listed in chapter 2.3 of this report.

3.2.3 Test setup

The test setup is as shown in chapter 2.2 of this report.

3.2.4 Test procedure

According to ANSI C63.4: 2014, section 13.3
IRN 029 – Method 1

3.2.5 Test results and plots of the AC mains conducted measurement

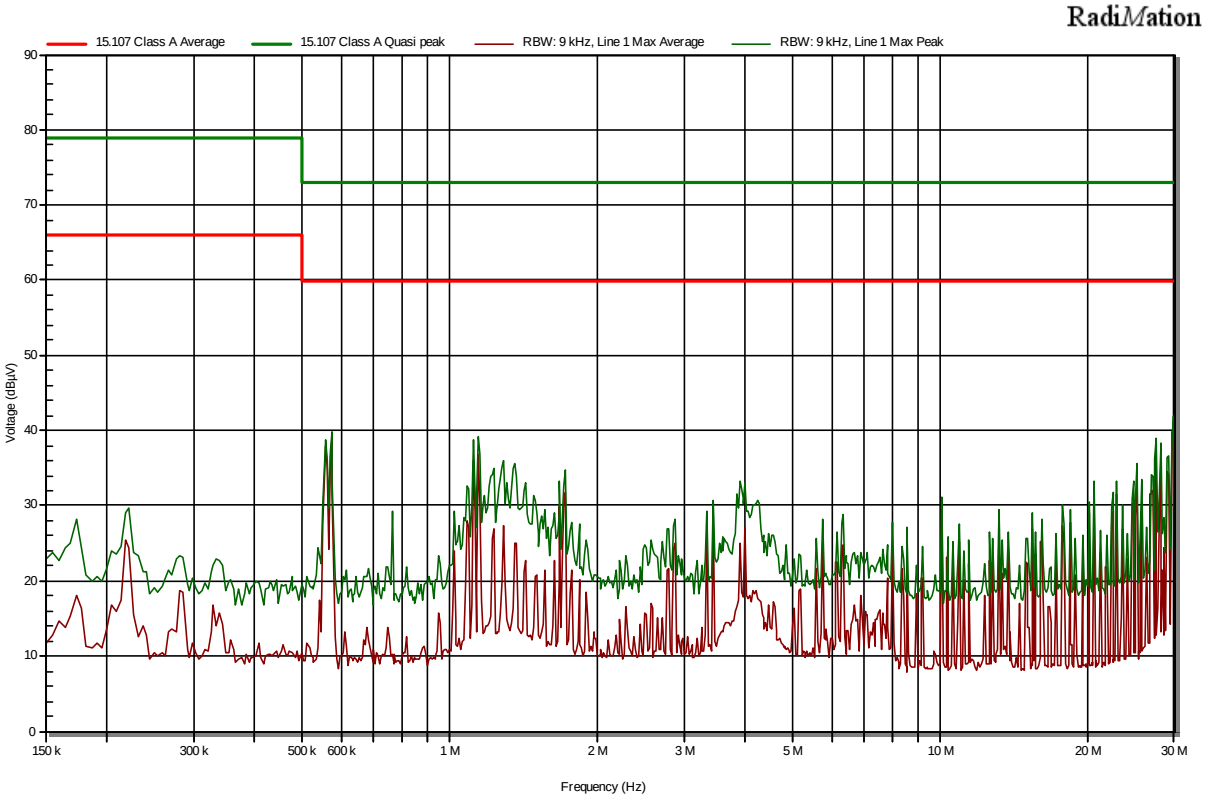
See next page.
Note: The device is powered by 24V DC. The emissions are measured on a dedicated AC/DC power supply.

3.2.6 Measurement uncertainty

+/- 3.6 dB

3.2.7 Plots of the AC mains conducted spurious measurement

Phase



Neutral