Test Repot No. *Prüfbericht-Nr.:*	**US259YNI.003**	**Order No.** Auftrags-Nr.:	P02067768 234233807	Page **1** of **52** *Seite **1** von **52***
Client Reference No.: *Kunden-Referenz-Nr.:*	2659437	**Order date:** *Auftragsdatum:*	09/18/2025	
Client: *Auftraggeber:*	Bevi, Co 529 Main Street, Suite 2216 Charlestown, MA 02129			
Identification/ Type No.: *Bezeichnung / Typ-Nr*	Bevi Countertop 2.0 / 700-0018, 700-0019			
Order content: *Auftrags-Inhalt:*	FCC 15.225 and RSS 210 RFID Compliance Evaluation			
Test specification: *Prüfgrundlage*	CFR Title 47 Subchapter A §Part 15.225 ISED RSS-210 Issue 11			
Date of sample receipt: *Wareneingangsdatum:*	12/12/2025	See Appendix Test Set-up Pictures		
Test sample No: *Prüfmuster-Nr.:*	DV02			
Testing period: *Prüfzeitraum*	12/15/2025 - 2/6/2026			
Place of testing: *Ort der Prüfung:*	TUV Rheinland of North America, Inc. 400 Beaver Brook Road Boxbrough, MA 01719			
Testing laboratory: *Prüflaboratorium*	TUV Rheinland of North America, Inc.			
Test result*: *Prüfergebnis*:*	Pass			
compiled by: *geprüft von:* **Date:** 05/26/2026 *Datum:*	Dieter Baldamus Paasche	**Authorized by:** *genehmigt von:* **Issue Date:** 05/26/2026 *Ausstellungsdatum:*	Nathaniel Beyer	
Position / Stellung:	Expert	**Position** / Stellung:	Expert	
Others / *Sonstiges*:	NA			
Condition of the test item at delivery: *Zustand des Prüfgegenstandes bei Anlieferung:*				

* Legend:	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
** Legende:*	*P(ass) = entspricht o.g. Prüfgrundlage(n)*	*F(ail) = entspricht nicht o.g. Prüfgrundlage(n)*	*N/A = nicht anwendbar*	*N/T = nicht getestet*

Test report no.: **US259YNI.003**
Prüfbericht-Nr.:

Remarks
Anmerkungen

1	The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request. *Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.* *Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.*
2	As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. *Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.*
3	Test clauses with remark of * are subcontracted to qualified subcontractors and descripted under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report. *Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.* *Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.*
4	Electromagnetic Compatibility Test Report. The above product was found to be Compliant to the above test standard(s).

Test report no.: **US259YNI.003** *Prüfbericht-Nr.:*	Page 3 of 52 *Seite 3 von 52*

Product description
Produktbeschreibung

1	**Product details:** *Produktdetails:*	The CT 2.0 is a beverage dispenser that's installed in a kitchen countertop. The cabinet below houses the chiller portion of the device which filters incoming water from the supply and serves as the source of still and sparkling water for the dispenser (or head unit) above. The cabinet also houses up to eight flavor BIBS to mix with dispensed water upon exit from the CT 2.0 nozzle. The head unit contains a 13.56MHz RFID reader which is used to scan the flavor BIBS during servicing. RFID read,
2	**Dimensions / Weight:** *Maße / Gewicht:*	10" x 11" x 18", 12 lbs Main head unit, no chiller included
3	**Operating elements:** *Bedienelemente:*	120V/60Hz 7A (Compact Chiller supply). 24VDC Heat Unit Supply
4	**Equipment / Accessories:** *Ausstattung / Zubehör:*	N/A
5	**Used materials:** *Verwendete Materialien:*	Water
6	**Other:** *Sonstiges:*	Test sample(s), as well sample information, description, product details and intended usage was provided by customer.
7	**Test sample obtaining:** *Prüfmusterbereitstellung:*	☒Sending by customer ☐Sampling by TÜV Rheinland Group ☐ others:

Revisions

Revision No.	Date MM/DD/YYYY	Reason for Change	Author
1	4/29/2026	Original Report	Dieter Baldamus Paasche
2	05/07/2026	Corrections after TCB comments: Removed EUT picture, updated address, update dimensions Clarification on ISED and FCC differences Appendix in a separate document Update of conducted emissions picture	Dieter Baldamus Paasche
3	05/26/2026	Updated phone number	Dieter Baldamus Paasche

Note: None

1 Executive Summary

1.1 Scope

This report is intended to document the status of conformance with the requirements of the *CFR Title 47 Subchapter A §Part 15.225 and ISED RSS-210 Issue 11,* based on the results of testing performed on 12/15/2025 to 2/6/2026 on EUT manufactured by Bevi, Co This report only applies to the specific samples tested under the stated test conditions. It is the responsibility of the manufacturer to assure that additional production units of this model are manufactured with identical or EMI equivalent electrical and mechanical components. This report is further intended to document changes and modifications to the EUT throughout its life cycle. All documentation will be included as a supplement.

1.2 Purpose

Testing was performed to evaluate the EMC performance of the EUT with the integration of a certified radio module in accordance with the applicable requirements, procedures, and criteria defined in the application of regulations and application of standards listed in this report.

13.56 MHz RFID radio was examined in this report.

1.3 Summary of Test Results

Table 1: Summary of Test Results

Test	Regulatory Rule	Result
Unique Antenna Connector	47 CFR §15.203	**Complied**
Occupied Bandwidth	47 CFR §2.1049 RSS-Gen Section 6.7	**Complied**
Fundamental Field Strength	47 CFR §15.225(a) RSS-210 Annex B.6	**Complied**
Carrier Frequency Stability	47 CFR §2.1055 47 CFR §15.225(e) RSS-210 Annex B.6 RSS-Gen Section 6.11	**Complied**
Radiated Spurious Emissions	47 CFR §2.1053 47 CFR §15.225 (b), (c), (d) RSS-Gen Section 7.3 RSS-210 Annex B.6	**Complied**
AC Power Conducted Emissions	47 CFR §15.207 RSS-Gen Section 7.2	**Complied**
Note: None		

1.4 Special Accessories

None

1.5 Equipment Modifications

None

2 Laboratory Information

2.1 Accreditations & Endorsements

2.1.1 US Federal Communications Commission, US1388

TUV Rheinland of North America EMC test facilities located at 400 Beaver Brook Road, Boxborough, MA, 01719 U.S.A. are recognized by the Commission for performing testing services for the general public on a fee basis. These laboratory test facilities have been fully described in reports submitted to and accepted by the FCC (Registration No. US1388). The laboratory Scopes of Accreditation include Title 47 CFR 15, 18 and 90. The accreditations are updated every three years.

2.1.2 NIST / A2LA, Testing Cert #3331.06

TUV Rheinland of North America EMC test facilities are accredited by the American Association for Laboratory Accreditation (A2LA). The laboratories have been assessed and accredited by A2LA in accordance with ISO Standard 17025:2017 (Testing Certificate #3331.06). The Scope of Laboratory Accreditation includes emission and immunity testing. The accreditations are updated annually.

2.1.3 Canada – Innovation, Science and Economic Development (ISED), 34082

Innovation, Science and Economic Development Canada | Innovation, Sciences et Développement économique Canada

The 10-meter Semi-Anechoic Chamber, Registration No. 34082, has been accepted by ISED to perform testing to 3 and 10 meters based on the test procedures described in ANSI C63.10-2020+Cor. 1-2023+C63.10-2024+Errata to C63.10a-2024

2.1.4 Japan – VCCI

The Voluntary Control Council for Interference by Information Technology Equipment (VCCI) is a group that consists of Information Technology Equipment (ITE) manufacturers and EMC test laboratories. The purpose of the Council is to take voluntary control measures against electromagnetic interference from Information Technology Equipment, and thereby contribute to the development of a socially beneficial and responsible state of affairs in the realm of Information Technology Equipment in Japan. TUV Rheinland of North America EMC test facilities located at 400 Beaver Brook Road, Boxborough, MA, 01719 U.S.A, have been assessed and approved in accordance with the Regulations for Voluntary Control Measures.

VCCI Registration No.: A-0424

2.1.5 Acceptance by Mutual Recognition Arrangement

The United States has an established agreement with specific countries under the Asia Pacific Laboratory Accreditation Corporation (APLAC) Mutual Recognition Arrangement. Under this agreement, all TÜV Rheinland of North America, Inc. at 400 Beaver Brook Road, Boxborough, MA, 01719 U.S.A test results and test reports within the scope of the laboratory NIST / A2LA accreditation will be accepted by each member country.

2.1.6 BSMI

Registration No.: SL2-IN-E-1180R. The BSMI accreditation was obtained by NIST MRA with the BSMI

2.1.7 Korea

(Designation No.: US0240). Recognized by National Radio Research Agency (RRA) as an accredited Conformity Assessment Body (CAB) under the terms for Korea Phase I of the APEC TEL.

2.2 Test Facilities

Test facilities are located at 400 Beaver Brook Road, Boxborough, MA, 01719 U.S.A

2.2.1 Emission Test Facility

The Semi-Anechoic Chambers and AC Line Conducted measurement facilities used to collect radiated and conducted emissions data have been constructed in accordance with ANSI C63.7:1992. The 10 meter semi-anechoic chamber has been measured in accordance with and verified to comply with the theoretical volumetric normalized site attenuation of ANSI C63.4:2014 and SVSWR requirements of CISPR 16-1-4 Consol. Ed. 3.0 (2010-04), at test distances of 3 and 10 meters. The site is listed with the FCC and accredited by A2LA (Testing Certificate #3331.06

2.3 Measurement Uncertainty

Two types of measurement uncertainty are expressed in this report, per *ISO Guide 98-1:2009 To The Expression Of Uncertainty In Measurement.*

The Combined Standard Uncertainty is the standard uncertainty of the result of a measurement when that result is obtained from the values of a number of other quantities, equal to the positive square root of a sum of terms, the terms being the variances or co-variances of these other quantities weighted according to how the measurement result varies with changes in these quantities. The term standard uncertainty is the result of a measurement expressed as a standard deviation.

The Expanded Uncertainty defines an interval about the result of a measurement that may be expected to encompass a large fraction of the distribution of values that could reasonably be attributed to the measurand. The fraction may be viewed as the coverage probability or level of confidence of the interval.

2.3.1 Sample Calculation – radiated & conducted emissions

The field strength is calculated by subtracting the Amplifier Gain and adding the Cable Loss and Antenna Correction Factor to the measured reading. The basic equation is as follows:

Field Strength (dBµV/m) = RAW - AMP + CBL + ACF

Where: RAW = Measured level before correction (dBµV)

AMP = Amplifier Gain (dB)

CBL = Cable Loss (dB)

ACF = Antenna Correction Factor (dB/m)

$$\mu V/m = 10^{\frac{dB\mu V/m}{20}}$$

Sample radiated emissions calculation @ 30 MHz

Measurement +Antenna Factor–Amplifier Gain+Cable loss=Radiated Emissions (dBuV/m)

25 dBuV/m + 17.5 dB – 20 dB + 1.0 dB = 23.5 dBuV/m

2.3.2 Measurement Uncertainty Emissions

Per CISPR 16-4-2	Ulab	Ucispr
Radiated Disturbance @ 10m		
30 MHz – 1,000 MHz	1.95 dB	3.89 dB
Radiated Disturbance @ 3m		
1.0 GHz – 6.0 GHz	3.01 dB	6.02 dB
6.0 GHz – 18.0 GHz	2.68 dB	5.37 dB
18.0 GHz – 26.5 GHz	2.71 dB	5.42 dB
26.5 GHz – 40.0 GHz	2.30 dB	4.60 dB
Conducted Disturbance @ Mains Terminals		
9 kHz – 30 MHz	0.76 dB	1.52 dB
Disturbance Power		
30 MHz – 300 MHz	1.93 dB	3.86 dB

Measurement Uncertainty Emissions

The estimated combined standard uncertainty for radiated emissions measurements is ± 1.95 dB	Per CISPR 16-4-2 Method
The estimated combined standard uncertainty for radiated emissions measurements from 1 GHz to 6 GHz is ± 3.01 dB	Per CISPR 16-4-2 Method
The estimated combined standard uncertainty for radiated emissions measurements from 6 GHz to 18 GHz is ± 2.68 dB	Per CISPR 16-4-2 Method
The estimated combined standard uncertainty for conducted emissions measurements is ± 0.76 dB.	Per CISPR 16-4-2 Method

Expanded measurement uncertainty numbers are shown in the tables above. Compliance criteria are not based on measurement uncertainty.

2.4 Calibration Traceability

All measurement instrumentation is traceable to the National Institute of Standards and Technology (NIST). Measurement method complies with ANSI/NCSL Z540-1-1994 and ISO Standard 17025:2017. Equipment calibration records are kept on file at the test facility.

3 EMC Test Plan

3.1 Introduction

Section 3 provides a description of the Equipment Under Test (EUT), configurations, operating conditions, and performance acceptance criteria. It is an overview of information provided by the manufacturer (information supplied can affect validity of the results) so that the test laboratory may perform the requested testing.

3.2 Customer

Table 2: Customer Information

Client	Bevi, Co
Address	529 Main Street, Suite 2216 Charlestown, MA 02129
Contact Person	Evan Gould
Telephone	+1 (617) 765-4087
E-Mail	evan.gould@bevi.co

Table 3: Technical Contact Information

Contact Person	Evan Gould
Telephone	+1 (617) 765-4087
E-Mail	evan.gould@bevi.co

3.3 Equipment Under Test (EUT)

Table 4: EUT Specifications

EUT Specifications	
Dimensions	10" x 11" x 18", 12lbs Main head unit, no chiller included
Power Input	120V/60Hz 7A (Compact Chiller supply). 24VDC Heat Unit Supply
Operating Temperature Range:	10°C – 32°C, 50% RH
Multiple Feeds:	☐ Yes. ☒ No
Hardware Version/Model	700-0018, 700-0019
Firmware Version	0.9
RF Software Version	1.16.0.0
Product Marketing Name	Bevi Countertop 2.0,
Operating Mode	Near Field Communication (NFC)
Transmitter Frequency Band	13.56 MHz
Antenna Manufacturer	Taoglas
Antenna Type	NFC Flex Antenna. (FXR Taoglass 3030.B)
Antenna Gain	0 dB
Modulation Type	ASK
Data Rate	NA
Supported Bandwidths	NA
TX/RX Chain (s)	1
Directional Gain Type	☐ Uncorrelated ☐ Beam-Forming ☒ Other describe: N/A
Type of Equipment	☐ Table Top ☐ Wall-mount ☒ Floor standing cabinet ☐ Other: Indoor/Residential
Note: 1. All EUT specifications provided by manufacturer or TUV direct customer. 2. Information supplied by the customer and can affect the validity of the results.	

Table 5: EUT Test Samples

Equipment	Manufacturer	Model	Serial	Used for
Countertop 2.0	Bevi, Co	700-0018, 700-0019	DV02	Radiated and conducted testing
Note: None				

Table 6: Channel Power Settting/Specifcation

Freq. (MHz)	Power Setting	--	--	--	--	--	--
13.56	NA						
Note: Power is set by Manufacturer.							

Table 7: General Product Infromation

Dimensions	Length:	10”	Width	11”	Height:	18”
Weight	12 lbs		**Fork-lift Needed:**		No	
Note: Main head unit, no chiller included						

Table 8: Electrical Power Type

Name	Type	Voltage		Frequency (Hz)	Current (A)
		Min	Max		
Compact chiller supply	AC	120	120	60Hz	7A
Head unit supply	DC	24	24	0Hz	NA
Note: None					

Table 9: EUT Interface/Port Specifications

EUT Port	Connect To	Location	Length	Shielded/ Unshielded
AC Mains	120VAC	Base of chiller unit	6’	Unshielded
Ethernet (optional)	Network hub	Base of head unit	unspecified	Unshielded
Note: None				

4 Product Information

4.1 Product Description

The CT 2.0 is a beverage dispenser that's installed in a kitchen countertop. The cabinet below houses the chiller portion of the device which filters incoming water from the supply and serves as the source of still and sparkling water for the dispenser (or head unit) above. The cabinet also houses up to eight flavor BIBS to mix with dispensed water upon exit from the CT 2.0 nozzle. The head unit contains a 13.56MHz RFID reader which is used to scan the flavor BIBS during servicing.

4.2 Equipment Configuration

A description of the equipment configuration is given in the Test Plan Section. The EUT was tested as called for in the test standard and was configured and operated in a manner consistent with its intended use. The placement of the EUT system components was guided by the test standard and selected to represent typical installation conditions.

In the case of an EUT that can operate in more than one configuration, preliminary testing was performed to determine the configuration that produced maximum radiation.

The final configuration was selected to produce the worst-case radiation for emissions testing.

4.3 Operating Mode

A description of the operation mode is given in the Test Plan Section. In the case of an EUT that can operate in more than one state, preliminary testing was performed to determine the operating mode that produced maximum radiation.

4.4 Unique Antenna Connector

FCC Part 15.203.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

4.4.1 Results

The product complies with the unique antenna requirements as it utilizes a NFX Flex Antenna, and the end user has no access to the antenna.

5 Measurement Results

Testing was performed in accordance with CFR Title 47 Subchapter A §Part 15.225 & ISED RSS-210 Issue 11. These test methods are listed under the laboratory's A2LA Scope of Accreditation. This test measures the levels emanating from the EUT, thus evaluating the potential for the EUT to cause radio frequency interference to other electronic devices. Procedures described in section 5 of for FCC were employed.

Emission measurements below 30 MHz were performed at a 10-meter distance. The following is the correction factor that was applied to emissions which were subject to limits beyond 3 meters.

a) Correction factor, ΔFS, calculation (10 meter to 30 meter):

Equation (1) ANSI C63.10-2020 for FCC and ANSI C63.10-2020+Cor. 1-2023+C63.10-2024+Errata to C63.10a-2024 for ISED

Section 6.4.4.1

$d_{near\ field}$ ≡ the λ/2π distance

$d_{near\ field} = 47.77/f_{MHz}$ (3.52m for 13.56MHz).

Equation (2) ANSI C63.10-2020 for FCC and ANSI C63.10-2020+Cor. 1-2023+C63.10-2024+Errata to C63.10a-2024 for ISED

Section 6.4.4.2

$FS_{limit} = FS_{max} - 20 \log(d_{limit}/d_{measure})$

Where:

FS_{limit} ≡ Field strength of the emission at the distance defined by regulator (calculated value).

FS_{max} ≡ Measured filed strength of the emission of interest (measured value).

d_{limit} ≡ reference limit distance (30m).

$d_{measure}$ ≡ measurement distance (10m).

$FS_{limit} - FS_{max} = \Delta FS$, correction factor to be applied to measured value in dB when tested at 10m distance

ΔFS = - 9.54

b) Correction factor, ΔFS, calculation (3 meter to 30 meter):

Equation (1) ANSI C63.10-2020 for FCC and ANSI C63.10-2020+Cor. 1-2023+C63.10-2024+Errata to C63.10a-2024 for ISED

Section 6.4.4.1

$d_{near\ field} = 47.77/f_{MHz} =$ (3.52m for 13.56MHz)

Equation (2) ANSI C63.10-2020 for FCC and ANSI C63.10-2020+Cor. 1-2023+C63.10-2024+Errata to C63.10a-2024 for ISED

Section 6.4.4.2

$FS_{limit} - FS_{max} = -40 \log(d_{near\ field}/d_{measure}) - 20 \log(d_{limit}/ d_{near\ field})$

Where:

FS_{limit} ≡ Field strength of the emission at the distance defined by regulator (calculated value).

FS_{max} = Measured filed strength of the emission of interest (measured value).

$d_{near\ field}$ = the $\lambda/2\pi$ distance (3.52m).

d_{limit} = reference limit distance (30m).

$d_{measure}$ = measurement distance (3m).

$FS_{limit} - FS_{max}$ = ΔFS, correction factor to be applied to measured value in dB when tested at 3m distance.

ΔFS = - 21.39

5.1 Duty Cycle

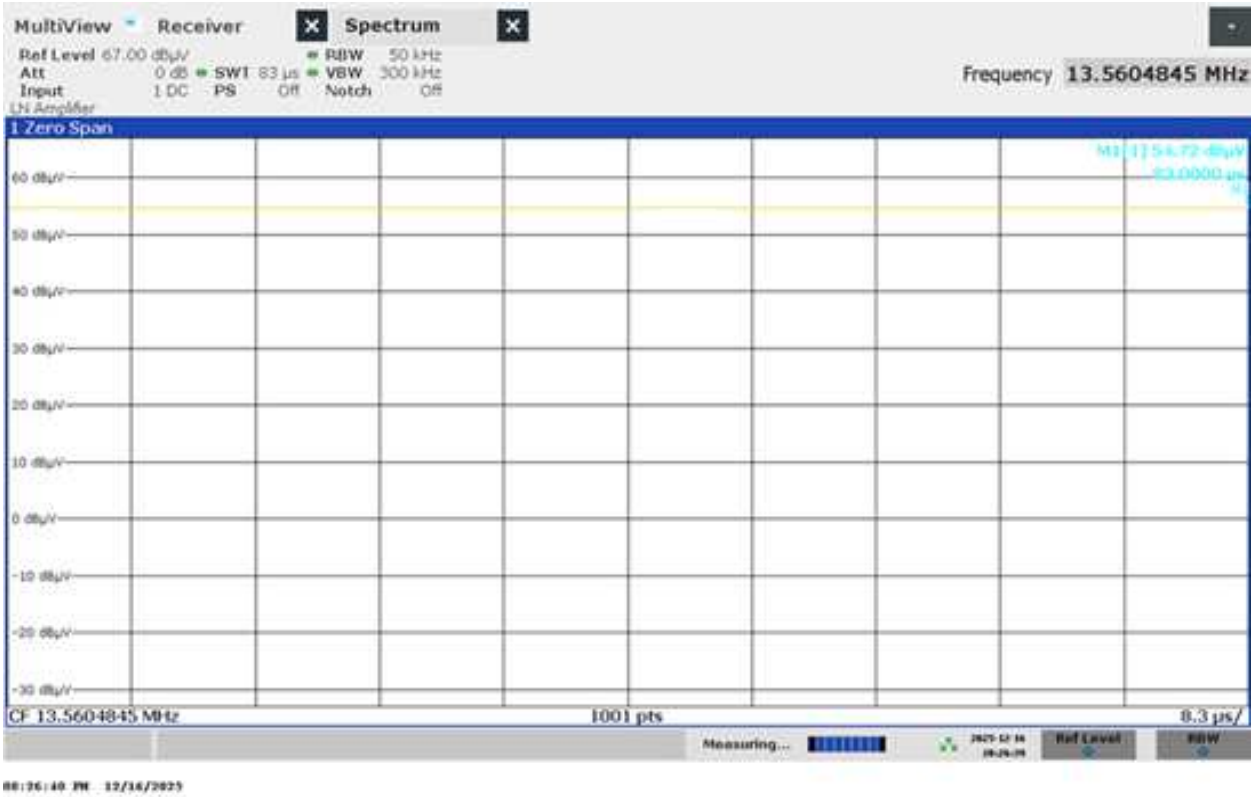
The duty cycle of the device was determined before testing was performed in order to choose the appropriate test methodology. Duty cycle was measured with a spectrum analyzer in zero span and calculated as the percentage between the transmitters on time over the signal period.

Duty cycle % = (Transmitter on time/Signal Period) *100

5.2 Results

Table 10: Duty Cycle

Test Condition:	Radiated, Normal Temperature	**Date:**	12/16/2025
Antenna Type:	NFC Flex Antenna. (FXR Taoglass 3030.B)	**Power Level:**	See Table 6
Ambient Temperature:	21 °C	**Relative Humidity:**	30 %
Max. Antenna Gain:	0 dBi	**Test Engineer**	Dieter Baldamus Paasche
Signal State: Modulated			
ASK			
Frequency (MHz)	**On-Time (ms)**	**Signal Period (ms)**	**Duty Cycle (%)**
13.56	--	--	100
Note: N/A			



Duty Cycle

5.3 Fundamental Field Strength

The field strength of any emissions shall not exceed the following limits:

15,848 µV/m (84 dBµV/m) at 30 m, within the band 13.553-13.567 MHz;

334 µV/m (50.5 dBµV/m) at 30 m, within the bands 13.410-13.553 MHz and 13.567-13.710 MHz;

106 µV/m (40.5 dBµV/m) at 30 m, within the bands 13.110-13.410 MHz and 13.710-14.010 MHz.

5.3.1 Test Methodology

The testing performed according to ANSI C63.10-2020 for FCC and ANSI C63.10-2020+Cor. 1-2023+C63.10-2024+Errata to C63.10a-2024 for ISED section 6.4. The measurements made were at 10-meter distance and the correction factor in section 5 was calculate and applied to the applicable emissions in this section.

5.3.2 Results

As originally tested the EUT was found to be compliant with the applicable requirements.

Table 11: Fundamental Field Strength

Test Condition:	Radiated, Normal Temperature	**Date:**	12/16/2025
Antenna Type:	NFC Flex Antenna. (FXR Taoglass 3030.B)	**Power Level:**	See Table 6
Ambient Temperature:	24°C	**Relative Humidity:**	37 %
Max. Antenna Gain:	0 dB	**Test Engineer**	Dieter Baldamus. Paasche

ASK Modulation

Freq. (MHz)	Quasi-Peak (dBµV/m)	ΔFS (dB)	Correction factor (dB)	Limit (dBµV/m)	Margin (dB)	BW (kHz)	Height (cm)	Pol	Azimuth (deg)
13.56	24.3	-9.54	11.3	84	59.7	9	100	X	317
13.56	24.2	-9.54	11.3	84	59.8	9	100	Y	240
13.56	15	-9.54	11.3	84	69	9	100	Z	186

Note:
1. Final Corrected value: Quasi-Peak Reading + Duty Cycle correction.
2. ΔFS (-9.54) + Correction factor losses (11.3) have been included in the Quasi-Peak measurement.
3. Trace data can be found in section 5.6.4 Table 17, 18 and 19

5.4 Occupied Bandwidth

The occupied bandwidth is the bandwidth in which 99% of the transmitted power is present.

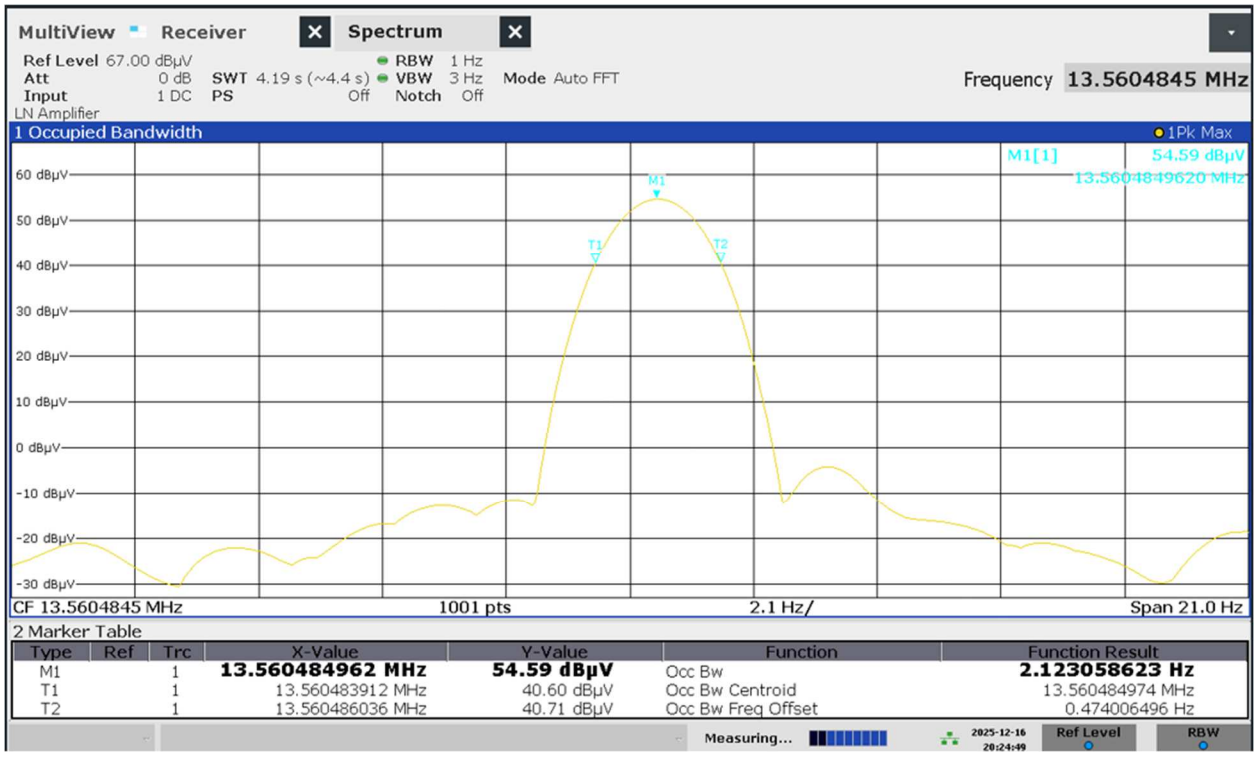
5.4.1 Test Methodology

The testing was performed according to ANSI C63.10-2020 for FCC and ANSI C63.10-2020+Cor. 1-2023+C63.10-2024+Errata to C63.10a-2024 for ISED section 6.9.3.

5.4.2 Results

Table 12: Occupied Bandwidth

Test Condition:	Radiated, Normal Temperature	**Date:**	12/16/2025
Antenna Type:	NFC Flex Antenna. (FXR Taoglass 3030.B)	**Power Level:**	See Table 6
Ambient Temperature:	24°C	**Relative Humidity:**	38%
Max. Antenna Gain:	0 dBi	**Test Engineer**	Dieter Baldamus Paasche
ASK Modulation			
Frequency (MHz)	**99% Occupied Bandwidth (Hz)**		
13.56	2.12		
Note: None			



99% Occupied Bandwidth

5.5 Carrier Frequency Stability

Carrier frequency stability is a measure of the amount of drift the center of the transmit signal is from the nominal center frequency. The frequency stability is typically assessed in part per million (ppm) or percent (%).

5.5.1 Test Methodology

Testing was performed according to ANSI C63.10-2020 for FCC and ANSI C63.10-2020+Cor. 1-2023+C63.10-2024+Errata to C63.10a-2024 for ISED section 6.8. Temperature range assessed form -20 °C to +50 °C with a nominal supply voltage. The supply voltage is set from 85% to 115% of the nominal supply voltage at 20 °C.

5.5.2 Results

Test Condition:	Radiated, Normal Temperature	**Date:**	12/31/2025
Antenna Type:	NFC Flex Antenna. (FXR Taoglass 3030.B)	**Power Level:**	See Table 6
Ambient Temperature:	24°C	**Relative Humidity:**	38%
Max. Antenna Gain:	0 dBi	**Test Engineer**	Dieter Baldamus Paasche
ASK Modulation			

Table 13: Frequency Stability Over Temp (%)

Voltage	Temperature	Nominal Frequency	Frequency Stability (Hz)				Limit (%)
	°C	(MHz)	0min	2min	5min	10min	
Nominal (120 V)	50	13.56	13559500	13560410	13560041	13560040	± 0.01
	40	13.56	13560430	13560425	13560425	13560425	
	30	13.56	13560465	13560460	13560460	13560465	
	20	13.56	13560510	13560050	13560510	13560510	
	10	13.56	13560550	13560550	13560550	13560055	
	0	13.56	13560575	13560578	13560575	13560575	
	-10	13.56	13560575	13560580	13560050	13560575	
	-20	13.56	13560530	13560550	13560555	13560500	
Note: None							

Table 14: Frequency Stability Over Temp (PPM)

Voltage	Temperature	Nominal Frequency	Frequency Stability				Limit (PPM)
	°C	(MHz)	0min	2min	5min	10min	
Nominal (120V)	50	13.56	36.87	30.24	3.02	2.95	± 100
	40	13.56	31.71	31.34	31.34	31.34	
	30	13.56	34.29	33.92	33.92	34.29	
	20	13.56	37.61	3.69	37.61	37.61	
	10	13.56	40.56	40.56	40.56	4.06	
	0	13.56	42.40	42.63	42.40	42.40	
	-10	13.56	42.40	42.77	3.69	42.40	
	-20	13.56	39.09	40.56	40.93	36.87	
Note: None							

Table 15: Frequency Stability Over Voltage (%)

Voltage	Temperature	Nominal Frequency	Frequency Stability (Hz)				Limit
Volts	**°C**	**(MHz)**	**0min**	**2min**	**5min**	**10min**	**%**
85% Vo	Ambient	13.56	13560439	13560599	13560199	13560920	± 0.01%
115% Vo	Ambient	13.56	13561080	13560599	13560439	13559958	
Note: 1. Vo = 120 V							

Table 16: Frequency Stability Over Voltage (PPM)

Voltage	Temperature	Nominal Frequency	Frequency Stability				Limit
Volts	**°C**	**(MHz)**	**0min**	**2min**	**5min**	**10min**	**%**
85% Vo	Ambient	13.56	32.37	44.20	14.65	67.84	± 0.01%
115% Vo	Ambient	13.56	79.66	44.20	32.38	-3.07	
Note: 1. Vo = 120 V							

5.6 Radiated Spurious Emissions

The field strength of any emissions shall not exceed the following limits:

15.848 mV/m (84 dBµV/m) at 30 m, within the band 13.553-13.567 MHz

334 µV/m (50.5 dBµV/m) at 30 m, within the bands 13.410-13.553 MHz and 13.567-13.710 MHz

106 µV/m (40.5 dBµV/m) at 30 m, within the bands 13.110-13.410 MHz and 13.710-14.010 MHz

The field strength of any emissions appearing outside of the 13.110–14.010 MHz band shall not exceed the general radiated emission limits in § 15.209 or RSS-Gen Section 8.9.

5.6.1 Test Methodology

5.6.1.1 Preliminary Test

A test program that controls instrumentation and data logging was used to automate the preliminary RF emission test procedure. The frequency range of interest was divided into sub-ranges to yield a frequency resolution of approximately 120 kHz and provide a reading at each frequency for no more than 12° of turntable rotation. For each frequency sub-range the turntable was rotated 360° while peak emission data was recorded and plotted over the frequency range of interest in horizontal and vertical antenna polarization's.

Preliminary emission profile testing was performed inside the anechoic chamber. The EUT was placed on a 1.0m x 1.5m non-conductive table 80cm (<1 GHz) and 150cm (>1 GHz) above the floor. The EUT was positioned as shown in the setup photographs. The receiving antenna was placed at a distance of 3m at a fixed height of 1m. Measurement equipment was located outside of the chamber. A video camera was placed inside the chamber to view the EUT.

Pre-scans were performed to determine the worst data rate/chain.

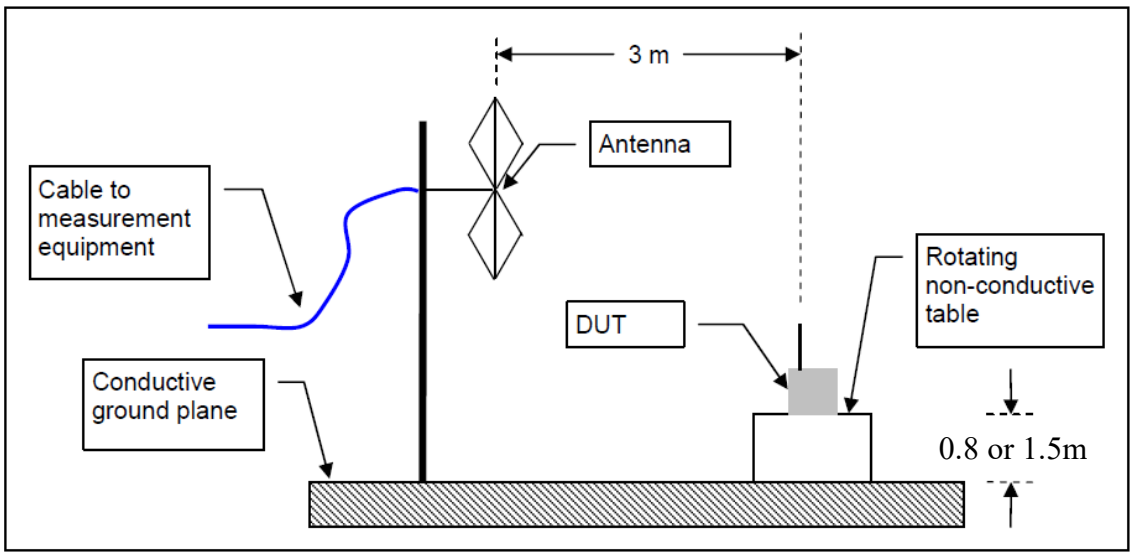
5.6.1.2 Final Test

For each frequency measured, the peak emission was maximized by manipulating the receiving antenna from 1 to 4 meters above the ground plane and placing it at the position that produced the maximum signal strength reading. The turntable was then rotated through 360° while observing the peak signal and placing the EUT at the position that produced maximum radiation. The six highest emissions relative to the limit were measured unless such emissions were more than 20 dB below the limit. If less than six emissions are within 20 dB of the limit, than the noise level of the receiver is measured at frequencies where emissions are expected. Multiples of all oscillator and microprocessor frequencies were also checked.

Final testing was performed on an NSA compliant test site. The EUT was placed on a 1.0m x 1.5m non-conductive table 80cm (<1 GHz) and 150cm (>1 GHz) above the ground plane. The placement of EUT and cables were the same as for preliminary testing and is shown in the setup photographs.

5.6.1.3 Deviations

EUT is tabletop equipment. It was measured on a dispenser table instead of a test table to simulate a real application and to include the chiller necessary to fully run the equipment. Wheels were elevated no more than 10cm. Sandbags were added to the side if the dispense table to avoid moving during turntable rotation.



5.6.2 Transmitter Spurious Emission Limit

The spurious emissions of the transmitter shall not exceed the limits required by the applicable rule parts as described in section 5.6 and below.

Table 17: Transmitter Spurious Emissions - FCC

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (Meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30.0 – 88	100	3
88 – 216	150	3
216 – 960	200	3
Above 960	500	3

Table 18: Transmitter Spurious Emissions – ISED

Frequency (MHz)	Magnetic Field Strength (microamps/meter)	Measurement Distance (Meters)
0.009 – 0.490 [1]	6.37/F(kHz)	300
0.490 – 1.705	63.7/F(kHz)	30
1.705 – 30.0	30	30

Note:
1. The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (Meters)
30.0 – 88	100	3
88 – 216	150	3
216 – 960	200	3
Above 960	500	3

Table 19: Transmitter Spurious Emissions – ISED

5.6.3 Test Results

The final measurement data was taken under the worst-case operating modes, configurations, and/or cable positions. It also reflects the results including any modifications and/or special accessories listed in Sections 1.4 and test plan. As originally tested, the EUT was found to be compliant to the requirements of the test standard(s).

5.6.4 Emission Mask

Table 20: Emissions Mask – X-Axis

Test Condition:	Radiated, Normal Temperature					**Date:**		12/16/2025	
Antenna Type:	NFC Flex Antenna. (FXR Taoglass 3030.B)					**Power Level:**		See Table 6	
Ambient Temperature:	21 °C					**Relative Humidity:**		30 %	
Max. Antenna Gain:	0 dBi					**Test Engineer**		Dieter Baldamus Paasche	
ASK Modulation									
Freq. (MHz)	**Quasi-Peak (dBµV/m)**	**Limit (dBµV/m)**	**Margin (dB)**	**Meas. Time (ms)**	**BW (kHz)**	**Height (cm)**	**Pol**	**Azimuth (deg)**	**Corr. (dB)**
13.06	1.8	30.0	28.2	1000	9	100	X	244.7	1.8
13.348	3.3	40.5	37.2	1000	9	100	X	271.9	1.8
13.559	24.3	84.0	59.7	1000	9	100	X	284	1.8
13.773	4.8	40.5	35.7	1000	9	100	X	271	1.8
14.117	6.0	30.0	24.0	1000	9	100	X	293.2	1.9

Note:
1. Final value: Quasi-Peak + Duty Cycle correction
2. ΔFS for 10m measurement (-9.54) + Measurement system losses (Correction factor) have been included in the Quasi-Peak measurement

Table 21: Emissions Mask – Y-Axis

Test Condition:	Radiated, Normal Temperature	**Date:**	12/16/2025
Antenna Type:	NFC Flex Antenna. (FXR Taoglass 3030.B)	**Power Level:**	See Table 6
Ambient Temperature:	21 °C	**Relative Humidity:**	30 %
Max. Antenna Gain:	0 dBi	**Test Engineer**	Dieter Baldamus Paasche

ASK Modulation

Freq. (MHz)	Quasi-Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	BW (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
13.039	0.6	30.0	13.039	1000	9	100	Y	86.8	1.8
13.348	5.1	40.5	13.348	1000	9	100	Y	11.9	1.8
13.478	4.5	50.5	13.478	1000	9	100	Y	1.6	1.8
13.561	24.2	84.0	13.561	1000	9	100	Y	358.1	1.8
13.638	5.9	50.5	13.638	1000	9	100	Y	9.7	1.8
13.771	5.8	40.5	13.771	1000	9	100	Y	353	1.8
14.119	0.8	30.0	14.119	1000	9	100	Y	345.1	1.9

Note:
1. Final value: Quasi-Peak + Duty Cycle correction
2. ΔFS for 10m measurement (-9.54) + Measurement system losses (Correction factor) have been included in the Quasi-Peak measurement

Table 22: Emissions Mask – Z-Axis

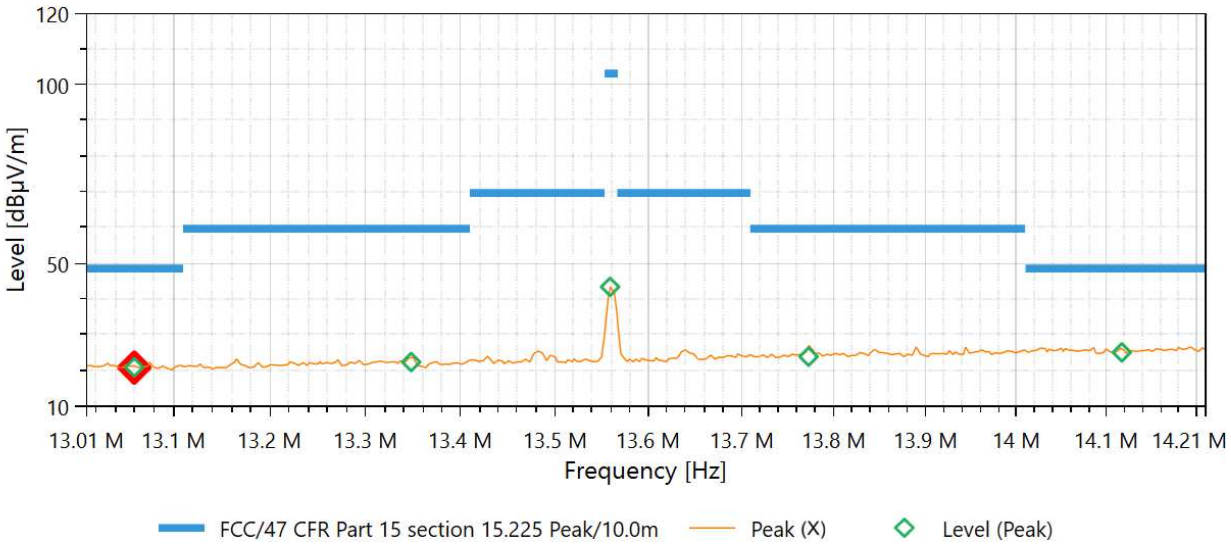
Test Condition:	Radiated, Normal Temperature	**Date:**	12/16/2025
Antenna Type:	NFC Flex Antenna. (FXR Taoglass 3030.B)	**Power Level:**	See Table 6
Ambient Temperature:	21 °C	**Relative Humidity:**	30 %
Max. Antenna Gain:	0 dBi	**Test Engineer**	Dieter Baldamus Paasche

ASK Modulation

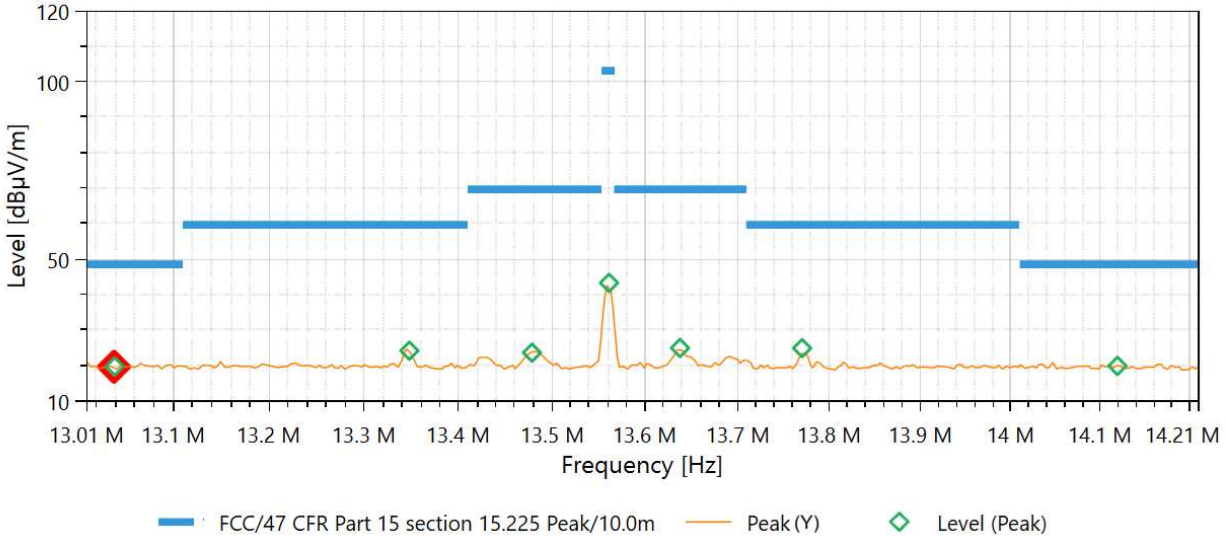
Freq. (MHz)	Quasi-Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	BW (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
13.085	1.0	30.0	29.0	1000	9	100	Z	21.6	1.8
13.225	1.1	40.5	39.4	1000	9	100	Z	2.5	1.8
13.366	0.4	40.5	40.1	1000	9	100	Z	306.2	1.8
13.56	15.0	84.0	69.0	1000	9	100	Z	245.3	1.8
13.812	0.5	40.5	40.0	1000	9	100	Z	311.5	1.8
14.136	2.1	30.0	27.9	1000	9	100	Z	278.7	1.9

Note:
1. Final value: Quasi-Peak + Duty Cycle correction
2. ΔFS for 10m measurement (-9.54) + Measurement system losses (Correction factor) have been included in the Quasi-Peak measurement

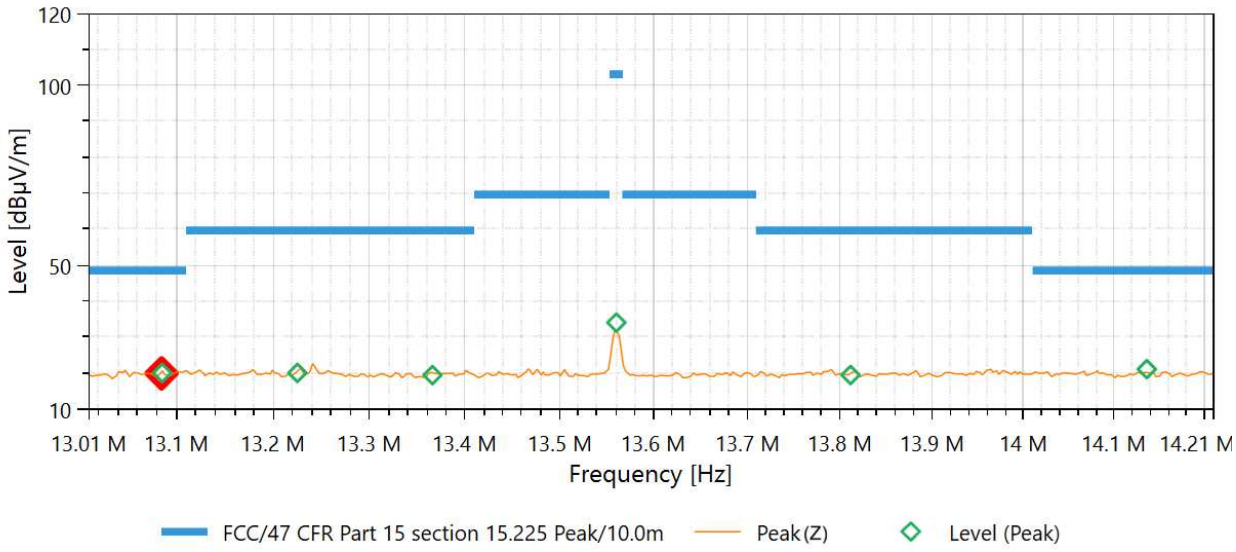
5.6.4.1 Emission Mask Trace Data



Emissions Mask – X - Axis



Emissions Mask – Y - Axis



Emissions Mask – Z - Axis

5.6.5 Spurious Emissions

Table 23: 9 kHz – 30 MHz Spurious Emissions on X, Y and Z Axis

Test Condition:	Radiated, Normal Temperature	**Date:**	12/16/2025
Antenna Type:	NFC Flex Antenna. (FXR Taoglass 3030.B)	**Power Level:**	See Table 6
Ambient Temperature:	21 °C	**Relative Humidity:**	30 %
Max. Antenna Gain:	0 dBi	**Test Engineer**	Dieter Baldamus Paasche
ASK Modulation			

Note:
1. Measurement performed at 3m distance.
2. Distance correction factor from 3 to 30 meters was applied to the measured level (-21.39dB)
3. No emissions were observed below 150kHz
4. For ISED compliance, measured value and limit have to be converted into dBµA (dBµA = dBµV-51.5)

Test result of Radiated Electric Emission (150 kHz - 30 MHz)
EUT: DV02 (Countertop 2.0 / 700-0018)
Operating mode: Continuous operation
EMC measures: none
Remark: —

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DBP
2025-12-16

Finals

Final source: Quasipeak

Frequency	Correction (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin	Pos	Height	Azimuth	Measuring time	RBW (Hz)	Comments
13.561 MHz	11.3	10.0	29.5	-19.5	X-Orientation	1.50	3.1	1.5	9 k	Intentional Radiator
1.381 MHz	11.8	4.2	29.5	-25.3	X-Orientation	1.50	19.1	1.5	9 k	Pass
10.581 MHz	11.3	8.2	29.5	-21.3	X-Orientation	1.50	275.3	1.5	9 k	Pass
18.335 MHz	11.2	-0.1	29.5	-29.6	X-Orientation	1.50	3.1	1.5	9 k	Pass
23.093 MHz	10.7	2.3	29.5	-27.2	X-Orientation	1.50	359	1.5	9 k	Pass
27.121 MHz	10.1	10.0	29.5	-19.5	X-Orientation	1.50	315.2	1.5	9 k	Pass

Finals

Final source: Finals

Frequency	Correction (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin	Pos	Height	Azimuth	Measuring time	RBW (Hz)	Comments
13.56 MHz	11.3	37.3	NA	NA	Y-Orientation	1.50	31`6.5	1.5	9 k	Intentional Radiator
2.144 MHz	11.5	16.8	29.5	-12.7	Y-Orientation	1.50	38.4	1.5	9 k	Pass
10.581 MHz	11.3	10.6	29.5	-18.9	Y-Orientation	1.50	5.4	1.5	9 k	Pass
18.485 MHz	11.2	3.4	29.5	-26.1	Y-Orientation	1.50	62.3	1.5	9 k	Pass
23.723 MHz	10.6	3.4	29.5	-26.1	Y-Orientation	1.50	316.5	1.5	9 k	Pass
27.121 MHz	10.1	7.2	29.5	-22.3	Y-Orientation	1.50	107.2	1.5	9 k	Pass

Finals

Final source: Finals

Frequency	Correction (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin	Pos	Height	Azimuth	Measuring time	RBW (Hz)	Comments
13.56 MHz	11.3	35.1	NA	NA	Z-Orientation	1.50	17.5	1.5	9 k	Intentional Radiator
2.173 MHz	11.5	19.6	29.5	-9.9	Z-Orientation	1.50	345.4	1.5	9 k	Pass
10.496 MHz	11.3	13.3	29.5	-16.2	Z-Orientation	1.50	310.4	1.5	9 k	Pass
18.337 MHz	11.2	10.0	29.5	-19.5	Z-Orientation	1.50	66.8	1.5	9 k	Pass
27.121 MHz	10.1	8.7	29.5	-20.8	Z-Orientation	1.50	315.4	1.5	9 k	Pass

Measurement values which are more than 20 dB below the limit value were not detected or evaluated.
$Margin\ value = Measurement\ value - Limit\ value$
$If\ not\ mentioned\ otherwise: Measurement\ time = 1\ s$

Table 24: 30 – 1000 MHz Spurious Emissions

Test Condition:	Radiated, Normal Temperature	**Date:**	12/16/2025
Antenna Type:	NFC Flex Antenna. (FXR Taoglass 3030.B)	**Power Level:**	See Table 6
Ambient Temperature:	21 °C	**Relative Humidity:**	30 %
Max. Antenna Gain:	0 dBi	**Test Engineer**	Dieter Baldamus Paasche
ASK Modulation			

Test result of Radiated Electric Emission (30 MHz - 1 GHz) — 325
EUT: DV02 (Countertop 2.0 / 700-0018) — TC
Operating mode: Continuous operation — 2026-01-29
EMC measures: none
Remark: Board SPC #4 BUCB4, updated firmware, with New PSU LOP-400, RFID antenna connected, 1 of 3 ferrites removed touch new script, swaped water sensor circuit

Finals

Final source: Quasipeak

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin	Pos	Height	Azimuth	Measuring time	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
141.81 MHz	42.1	43.5	-2.387	Horizontal	3.00	154.5	1.0	120 kHz	0.02	Pass	18.901
215.414 MHz	39.5	43.5	-3.985	Horizontal	1.55	269.4	1.0	120 kHz	0.02	Pass	16.959
716.108 MHz	41.3	46.0	-4.676	Horizontal	1.00	170.3	1.0	120 kHz	0.02	Pass	28.791
788.614 MHz	36.4	46.0	-9.66	Horizontal	2.28	118.8	1.0	120 kHz	0.02	Pass	29.855
859.012 MHz	42.0	46.0	-4.054	Horizontal	1.83	164.1	1.0	120 kHz	0.02	Pass	30.699

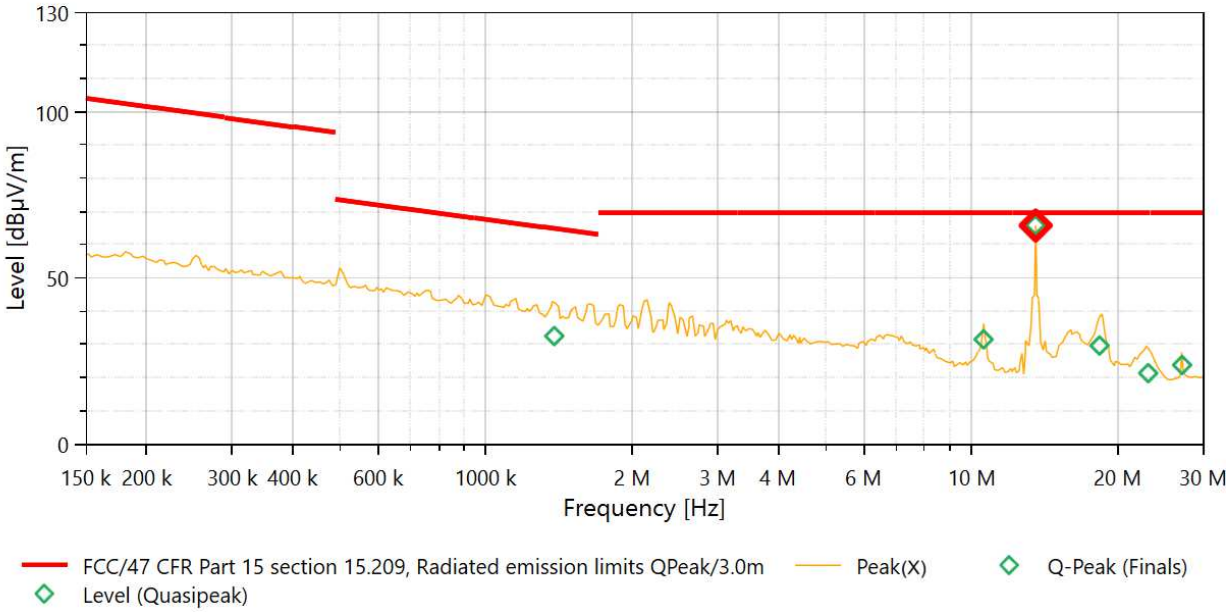
Finals

Final source: Quasipeak

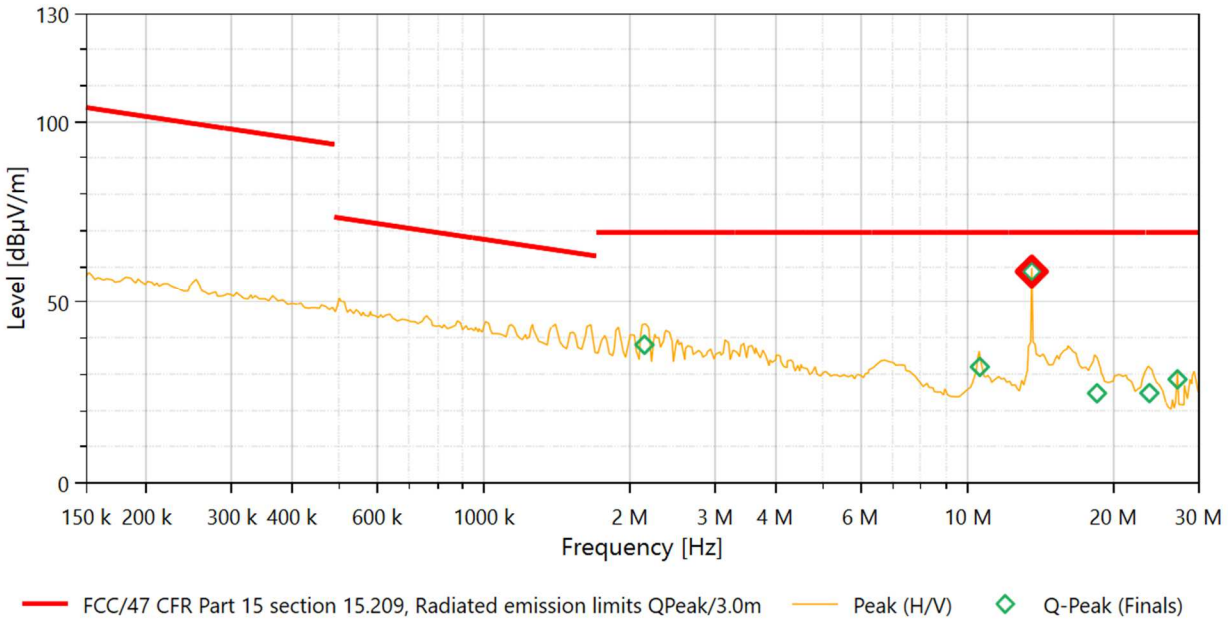
Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin	Pos	Height	Azimuth	Measuring time	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
32.94 MHz	11.5	40.0	-28.567	Vertical	4.00	128.6	1.0	120 kHz	0.02	Pass	23.674
33.45 MHz	12.6	40.0	-27.412	Vertical	4.00	128.6	1.0	120 kHz	0.02	Pass	23.354
33.856 MHz	13.0	40.0	-26.984	Vertical	4.00	176.4	1.0	120 kHz	0.02	Pass	23.018
35.07 MHz	12.5	40.0	-27.522	Vertical	4.00	130.3	1.0	120 kHz	0.02	Pass	22.321
37.2 MHz	15.0	40.0	-25.021	Vertical	4.00	144.7	1.0	120 kHz	0.02	Pass	20.090
38.016 MHz	16.2	40.0	-23.778	Vertical	4.00	138.0	1.0	120 kHz	0.02	Pass	20.152
38.49 MHz	15.1	40.0	-24.893	Vertical	4.00	95.6	1.0	120 kHz	0.02	Pass	19.856
54.242 MHz	34.4	40.0	-5.585	Vertical	1.04	69.0	1.0	120 kHz	0.02	Pass	12.553
59.998 MHz	32.2	40.0	-7.787	Vertical	1.00	356.7	1.0	120 kHz	0.02	Pass	12.789
81.363 MHz	36.1	40.0	-3.899	Vertical	1.39	16.6	1.0	120 kHz	0.02	Pass	12.924
108.484 MHz	35.5	43.5	-8.034	Vertical	1.00	259.3	1.0	120 kHz	0.02	Pass	18.206
120.002 MHz	34.4	43.5	-9.096	Vertical	1.00	195.6	1.0	120 kHz	0.02	Pass	19.429
135.605 MHz	37.2	43.5	-6.284	Vertical	1.00	322.1	1.0	120 kHz	0.02	Pass	19.144
214.91 MHz	42.9	43.5	-0.668	Vertical	2.28	202.1	1.0	120 kHz	0.02	Pass	16.914
716.107 MHz	40.4	46.0	-5.599	Vertical	1.84	16.5	1.0	120 kHz	0.02	Pass	28.791
790.188 MHz	34.0	46.0	-12.042	Vertical	1.39	236.6	1.0	120 kHz	0.02	Pass	29.862
859.013 MHz	43.6	46.0	-2.43	Vertical	1.00	291.3	1.0	120 kHz	0.02	Pass	30.699

Measurement values which are more than 20 dB below the limit value were not detected or evaluated.
$Margin\ value = Measurement\ value - Limit\ value$
$If\ not\ mentioned\ otherwise: Measurement\ time = 1\ s$

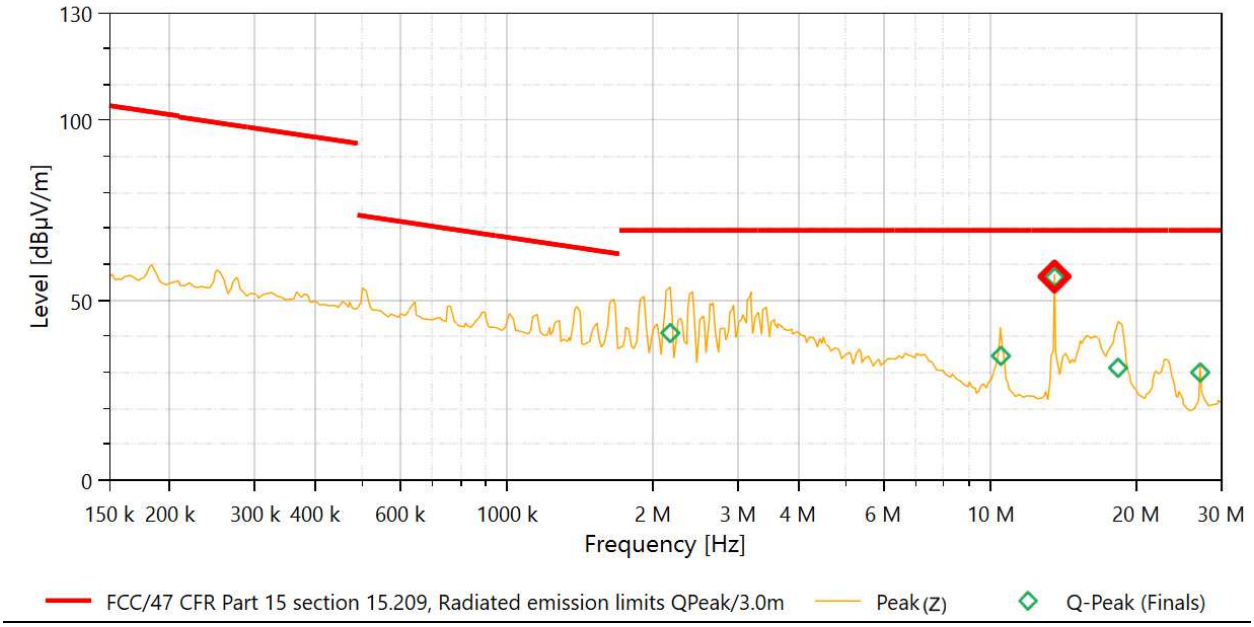
5.6.5.1 Spurious Emission Trace Data



150 kHz – 30 MHz Radiated Spurious Emissions (X - Axis)



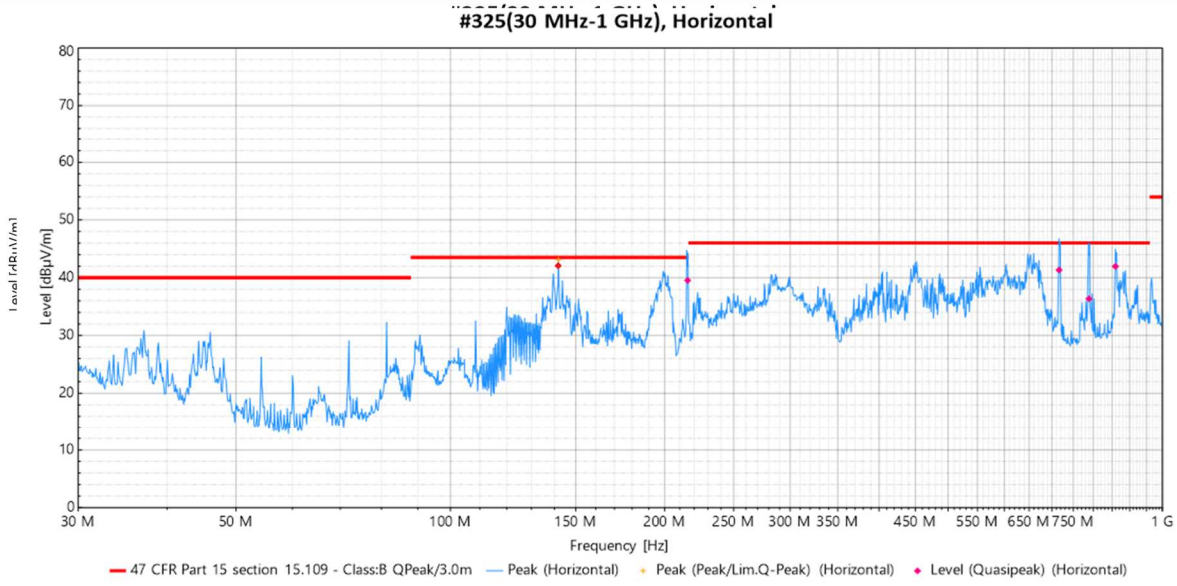
150 kHz – 30 MHz Radiated Spurious Emissions (Y - Axis)

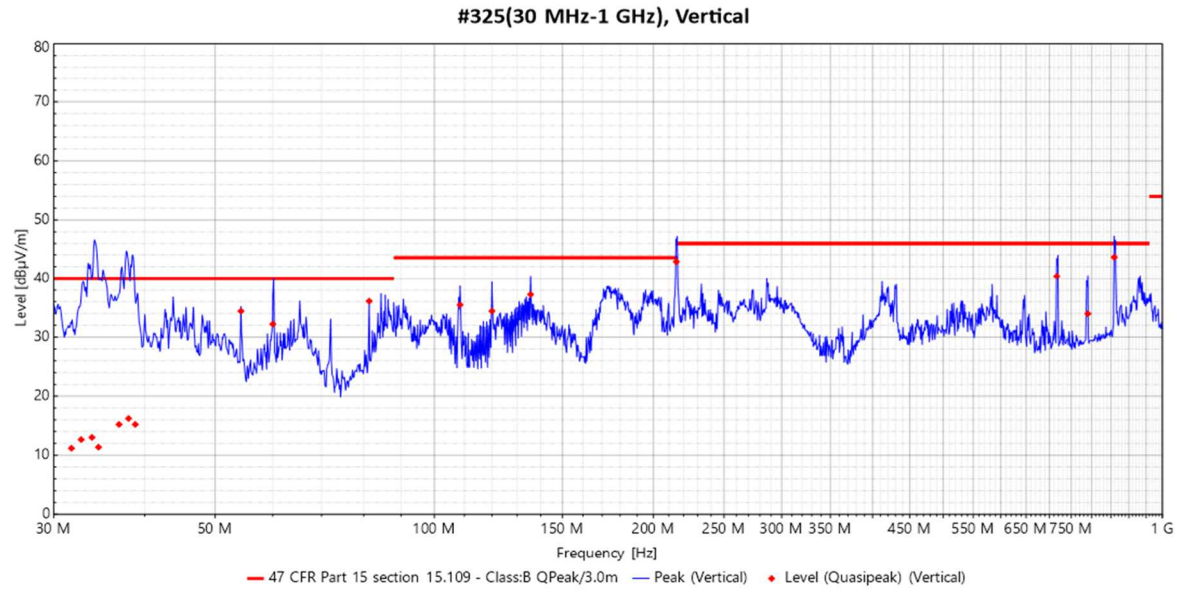


150 kHz – 30 MHz Radiated Spurious Emissions (Z - Axis)

Chart of Radiated Electric Emission (30 MHz - 1 GHz)
EUT: DV02 (Countertop 2.0 / 700-0018)
Operating mode: Continuous operation
EMC measures: none
Remark: Board SPC #4 BUCB4, updated firmware, with New PSU LOP-400, RFID antenna connected, 1 of 3 ferrites removed touch new script, swaped water sensor circuit

325
TC
2026-01-29





30 – 1000 MHz Radiated Emisions

5.7 AC Mains Condcuted Emisisons

Testing was performed in accordance with ANSI C63.4:2014. These test methods are listed under the laboratory's A2LA Scope of Accreditation.

This test measures the levels emanating from the EUT's AC input port, thus evaluating the potential for the EUT to cause radio frequency interference to other electronic devices.

The AC conducted emissions of equipment under test shall not exceed the values in CFR47 Part 15.207 and RSS-Gen Section 8.8.

5.7.1 Test Methodology

A test program that controls instrumentation and data logging was used to automate the AC Power Line Conducted emission test procedure. The frequency range of interest was divided into sub-ranges such as to yield a frequency resolution of 9 kHz. Each phase and neutral of the AC power line were measured with respect to ground. Measurements were performed using a set of 50µH / 50Ω LISNs.

The setup photographs clearly identify which site was used. The vertical ground plane used is a 2m x 2m solid aluminum frame and panel, and it is bonded to the horizontal ground plane.

In the case of tabletop equipment, the EUT is placed on a 1.0m x 1.5m non-conductive table 80cm above the ground plane and 40cm from a vertical ground reference plane. The rear of the EUT was positioned flush with the backside of the table and directly over the LISNs. The power and I/O cables were routed over the edge of the table and bundled approximately 40cm from the ground plane. Support equipment was powered from a separate LISN.

The radio's were transmitting when testing was performed.

5.7.2 Conducted Emission Limits

The emissions of the EUT shall not exceed the limits required by the applicable rule parts as described below.

Table 25: AC Conducted Emission limits

Frequency of Emission (MHz)	Conducted Limit (dBµV)	
	Quasi-Peak	Average
0.15 – 0.5	66 to 56[1]	56 to 46[1]
0.5 – 5	56	46
5 – 30	60	50
Note: 1. Decreases with the logarithm of the frequency.		

5.7.3 Deviations

EUT is tabletop equipment. It was measured on a dispenser table instead of a test table to simulate a real application and to include the chiller necessary to fully run the equipment.

5.7.4 Test Results

The device passed as configured.

5.7.4.1 Test Data

5.7.4.1.1 Conducted Emissions

Table 26: Conducted Emission – 13.56 MHz, Line

Test Condition:	Radiated, Normal Temperature	**Date:**	02/06/2026
Antenna Type:	NFC Flex Antenna. (FXR Taoglass 3030.B)	**Power Level:**	See Table 6
Ambient Temperature:	20 ºC	**Relative Humidity:**	32 %
Max. Antenna Gain:	0 dBi	**Test Engineer**	Dieter Baldamus Paasche
ASK Modulation			

Test result of Conducted Voltage Emission (150 kHz - 30 MHz) on Mains Supply — 338
EUT: DV02 (Countertop 2.0 / 700-0018) — EG
Operating mode: Continuous operation — 2026-02-06
EMC measures: none
Remark: Script — **PASS**

Finals

Final source: Quasipeak

Frequency	Level (dBµV)	Limit (dBµV)	Margin	Pos	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
177 kHz	53.7	64.6	-10.9	Neutral	9 kHz	0.1	Pass	10.1
244.5 kHz	43.3	61.9	-18.6	Neutral	9 kHz	0.1	Pass	10.1
498.75 kHz	48.0	56.0	-8.0	Neutral	9 kHz	0.1	Pass	10.1
8.068 MHz	48.6	60.0	-11.4	Neutral	9 kHz	0.1	Pass	10.3
26.025 MHz	43.0	60.0	-17.0	Neutral	9 kHz	0.1	Pass	10.3

Final source: Average

Frequency	Level (dBµV)	Limit (dBµV)	Margin	Pos	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
177 kHz	31.3	54.6	-23.3	Neutral	9 kHz	0.1	Pass	10.1
244.5 kHz	26.3	51.9	-25.6	Neutral	9 kHz	0.1	Pass	10.1
498.75 kHz	39.7	46.0	-6.3	Neutral	9 kHz	0.1	Pass	10.1
8.068 MHz	42.9	50.0	-7.1	Neutral	9 kHz	0.1	Pass	10.3
26.025 MHz	36.9	50.0	-13.1	Neutral	9 kHz	0.1	Pass	10.3

Finals

Final source: Quasipeak

Frequency	Level (dBµV)	Limit (dBµV)	Margin	Pos	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
177 kHz	51.2	64.6	-13.4	Phase 1	9 kHz	0.1	Pass	10.1
494.25 kHz	48.8	56.1	-7.3	Phase 1	9 kHz	0.1	Pass	10.1
712.5 kHz	49.6	56.0	-6.4	Phase 1	9 kHz	0.1	Pass	10.1
1.043 MHz	46.4	56.0	-9.6	Phase 1	9 kHz	0.1	Pass	10.1
8.626 MHz	50.3	60.0	-9.7	Phase 1	9 kHz	0.1	Pass	10.3
26.381 MHz	43.7	60.0	-16.3	Phase 1	9 kHz	0.1	Pass	10.3

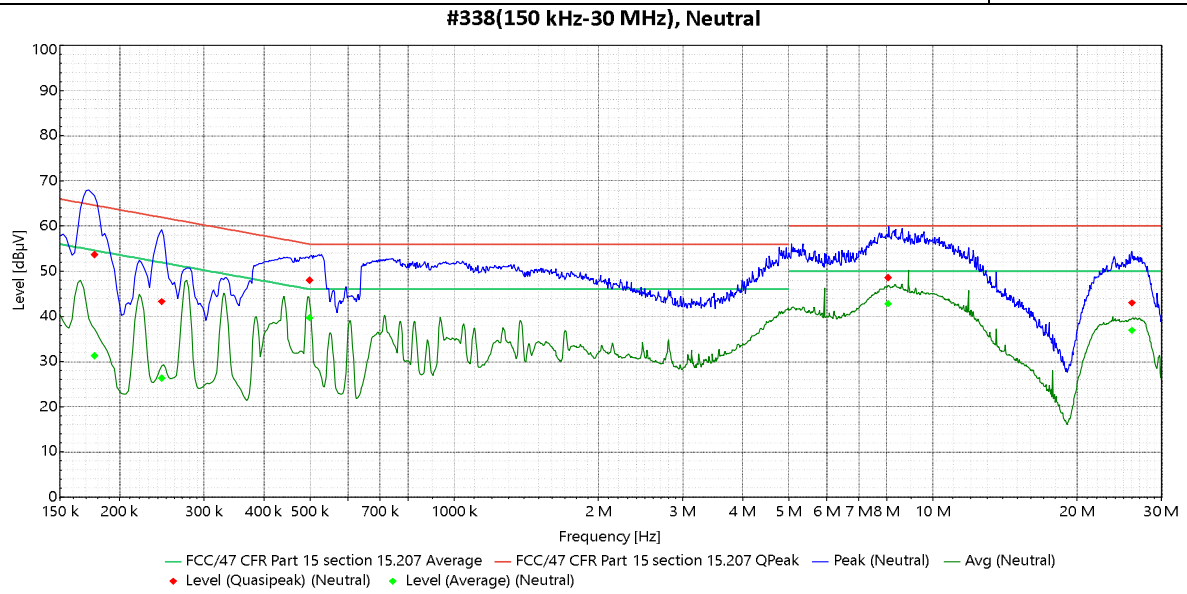
Final source: Average

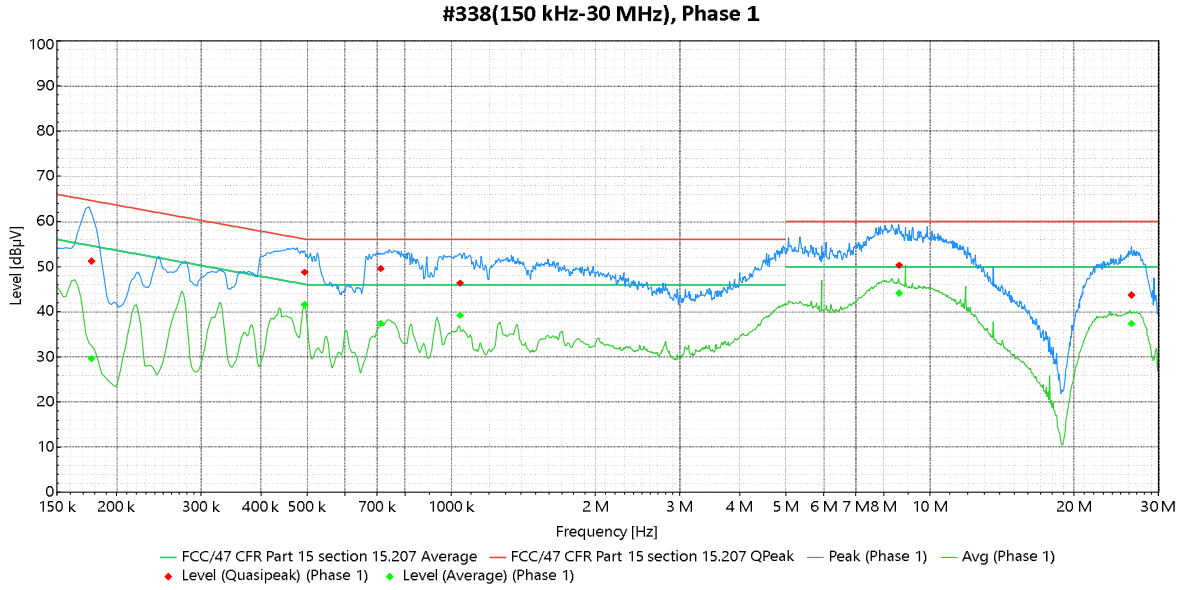
Frequency	Level (dBµV)	Limit (dBµV)	Margin	Pos	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
177 kHz	29.6	54.6	-25.0	Phase 1	9 kHz	0.1	Pass	10.1
494.25 kHz	41.6	46.1	-4.5	Phase 1	9 kHz	0.1	Pass	10.1
712.5 kHz	37.4	46.0	-8.6	Phase 1	9 kHz	0.1	Pass	10.1
1.043 MHz	39.2	46.0	-6.8	Phase 1	9 kHz	0.1	Pass	10.1
8.626 MHz	44.2	50.0	-5.8	Phase 1	9 kHz	0.1	Pass	10.3
26.381 MHz	37.4	50.0	-12.6	Phase 1	9 kHz	0.1	Pass	10.3

Measurement values which are more than 20 dB below the limit value were not detected or evaluated.
$Margin\ value = Measurement\ value - Limit\ value$
$If\ not\ mentioned\ otherwise: Measurement\ time = 1\ s$

5.7.4.2 Conducted Emission Trace Data

Chart of Conducted Voltage Emission (150 kHz - 30 MHz) on Mains Supply **EUT:** DV02 (Countertop 2.0 / 700-0018) **Operating mode:** Continuous operation **EMC measures**: none **Remark:** Script	338 EG 2026-02-06 **PASS**





Conducted Emissions: Neutral and Line

6 Test Equipment List

6.1 Equipment List

Table 27: Equipment List

Measurement Equipment List

TÜVRheinland®
Precisely Right.

Service Start Date 15.12.2025
Service End Date 06.02.2026

Deliverable/Report Number US259YNI.001
AMEL ID 0234233807B00010

Client Bevi
Product Countertop 2.0/700-0018, 700-0019
Comment

Page 1 of 1

Equip.	Description	Model	Manufacturer	Serial Number	Last Date DD.MM.YYYY	Int.	Due Date DD.MM.YYYY
G1701089	R&S EMI Receiver ESW44 101880	ESW44	Rohde & Schwarz	101880	05.03.2026	12	05.03.2027
9076854	Bilog; Attenuator	JB6; UNAT-4A+	SunAR RF Motion; Mini-Circuits	A031323-2; 04092025A	15.04.2025	24	15.04.2027
G1701552	Antenna Loop	6502	EMCO	0004-3336	07.11.2024	24	07.11.2026
9072699	Sucoflex 118 Cable Huber+ Suhner	Sucoflex 118	Huber+ Suhner	800284/118	06.11.2025	12	06.11.2026
G1700530	(LISN), .01-30 MHz (Unit 2)	NSLK 8126 (4 x 25A)	Schwarzbeck	8126278	11.03.2026	12	11.03.2027
G1701385	R&S EMI Receiver ESU40 100274	ESU40	Rohde & Schwarz	100274	10.06.2025	12	10.06.2026
9060650	Environmental Monitor	SD700	Extech	A.109685	27.03.2025	12	27.03.2026
9060651	Environmental Monitor	SD700	Extech	A.123672	27.03.2025	12	27.03.2026

6.2 Testing Software

Table 28: Testing Software

Manufacturer	Name	Version	Test
NEXIO	BAT-EMC	2024.0.17.103	Radiated Emissions
NEXIO	BAT-EMC	2024.0.17.103	Conducted Emissions

--- End of Test Report / *Ende des Prüfberichts* ---