



- The RvA is a signatory to the EA MLA.
- The RvA is a signatory to the ILAC MRA.
- The RvA is a signatory to the IAF MLA.
- FCC Registration Number: NL0002 / 375449
- ISED CABid: NL0003

Test report No:
2291293.0518A-RSM

Partial Test Report

USA FCC Part 15.247, 15.209

CANADA RSS-247, RSS-Gen

(*) Identification of item tested	Manure Cleaning Robots
(*) Trademark	JOZ B.V.
(*) Model and /or type reference	BARN-E 155
(*) Features	RFID 134 kHz and Zigbee 2.4 GHz
Other identification of the product	FCC ID: 2BGQ2-ROBOTS IC: 32602ROBOTS Contains FCC: MCQ-XBS2C Contains IC:1846A-XBS2C
(*) Derived model(s)	N/A
(*) Applicant's name / address	JOZ B.V. - Industrieweg 5, 1617KK, Westwoud, The Netherlands
Test method requested, standard	USA FCC Part 15.247 (10-1-24) Edition: Operation within the bands 902 - 928 MHz, 2400 -2483.5 MHz, and 5725 - 5850 MHz. USA FCC Part 15.209 (10-1-24) Edition: Radiated emission limits; general requirements. CANADA RSS-Gen Issue 5 (April 2018), Amendment 1 (March 2019) and Amendment 2 (February 2021). CANADA RSS-247 Issue 4, (July 2025).Transmitter out of band radiated emission with simultaneous transmissions. Guidance for Performing Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid Systems Devices Operating Under Section 15.247 of the FCC Rules. 558074 D01 Meas Guidance v05r02 dated April 2, 2019. ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024:American National Standard for Testing Unlicensed Wireless Devices
Verdict Summary	IN COMPLIANCE
Tested by (name / position & signature)	Alberto Serrano Criado Technical Professional EMC & Wireless Supervised by Jose Carlos Luque Technical Professional EMC & Wireless
Approved by (name / position & signature)	Sedat Eser Technical Professional EMC/Wireless
Date of issue	2026-01-14
Report template No	TRF_RSM_FCC R1.0 (*) "Data provided by the applicant"

INDEX

	page
Competences and Guarantees.....	3
General conditions.....	3
Uncertainty	3
Environmental conditions	4
Possible test case verdicts	4
Definition of symbols used in this test report.....	4
Abbreviations.....	4
Data provided by the applicant.....	5
Document History	5
Conclusion, Remarks and Comments	5
1 General Information	6
1.1 General Description of the Item(s)	6
1.2 Derived models	7
1.3 Test data.....	7
2 Description of Test Setup	8
2.1 Sample(s) used for tests.....	8
2.2 Operating mode(s) used for tests	8
2.3 Port(s) of the EUT	8
2.4 Support / Auxiliary equipment / unit / software for the EUT.....	8
2.5 Test Configuration / Block diagram used for tests	9
2.6 Test conditions.....	9
3 Verdict summary section	12
3.1 Standards	12
3.2 Overview of results – Zigbee 2.4 GHz and RFID 134 kHz	12
3.3 Deviation(s) from the Standard(s) / Test Specification(s).....	12
4 Test Results zigbee and rfid	13
4.1 Product Information.....	13
4.2 Emission limitations radiated (Transmitter)	14
Annex A: Used Equipment	20
Annex B: Photographs	21

COMPETENCES AND GUARANTEES

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

DEKRA 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 in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA 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.

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

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document AM#2224. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%. Refer to the Annex 1 for further information.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%
Atmospheric pressure	86 kPa – 106 kPa

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

DEFINITION OF SYMBOLS USED IN THIS TEST REPORT

☒ Indicates that the listed condition, standard or equipment is applicable for this report/test/EUT.			
☐ Indicates that the listed condition, standard or equipment is not applicable for this report/test/EUT.			
Decimal separator used in this report	☐	Comma (,)	☒ Point (.)

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
DUT	: Device Under Test
QP	: Quasi-Peak
PK	: Peak
AV	: Average
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
RBW	: Resolution Bandwidth
VBW	: Video Bandwidth
Tx	: Transmitter
Rx	: Receiver
N/A	: Not Applicable
N/M	: Not Measured
RGP	: Reference Ground Plane
TX	: Transmission
RX	: Reception

DATA PROVIDED BY THE APPLICANT

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" and Features).

DEKRA Certification B.V. declines any responsibility with respect to the information provided by the applicant and that may affect the validity of results.

DOCUMENT HISTORY

Report nr.	Date	Description
2291293.0518-RSM	2026-12-18	First release.
2291293.0518A-RSM	2026-01-14	Second release. . It were updated the versions of ANSI C63.10 and RSS-247 to the last versions. This revision of the test report cancels and replaces the test report with a reference number 2291293.0518-RSM.

CONCLUSION, REMARKS AND COMMENTS

The equipment under test (EUT) does meet the requirements of the stated standard(s)/test(s).

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Description of the item.....:	Manure cleaning Robots
Model / Type number	BARN-E 155
Reference number	300011355
Trademark	JOZ B.V.
Manufacturer.....:	JOZ B.V.
Address	Industrieweg 5, 1617KK, Westwoud, The Netherlands

Operating frequency range(s) – Tx :	RFID: 134.6 kHz Zigbee: 2405-2480 MHz
Operating frequency range(s) – Rx :	RFID: 134.6 kHz Zigbee: 2405-2480 MHz
Type of Modulation.....:	RFID: Unmodulated sinus wave Zigbee: QPSK
Number of channel.....:	RFID: 1 Zigbee: 16
Antenna type.....:	RFID: Loop antenna Zigbee: Dipole
Antenna gain.....:	RFID : 1.5 dBi Zigbee: 1.6 dBi

Rated power supply.....:	Voltage and Frequency		Power connection type				
			L1	L2	L3	N	PE
	☐	AC:	☐	☐	☐	☐	☐
	☐	DC:					
	☒	Battery: 2x12V 110Ah AgM series 24Volts, 2x12V 80Ah Lead carbon series 24V					
Rated Power	0.8 kW						
Clock frequencies.....:	24 MHz						
Other parameters.....:	RFID 134 kHz, Zigbee 2.4 GHz						
Software version	3.4.197						
Hardware version	V8.3						
Dimensions in cm (W x H x D).....:	219 x 155 x 68						
Mounting position.....:	☐	Table top equipment					
	☐	Wall/Ceiling mounted equipment					
	☒	Floor standing equipment					
	☐	Hand-held equipment					
	☐	Other:					

Intended use of the Equipment Under Test (EUT)

The product is used in the cow barn to push the feed towards the cow.

No	Module/parts of test item	Type	Manufacturer
1	ECU	V8.3	JOZ
2	Drive Motor Model	80BLF3A 160-220 12	BEGE
3	Actuator	361201000000BA-611H303000X0000	LINAK

No	Documents as provided by the applicant - Description	File name	Issue date
1	General information form	01 General information form v1.1	2024-10-14

Modifications to the test item during testing	☒	N/A	☐	Refers Chapter
---	-------------------------------------	-----	--------------------------	----------------

Copy of marking plate:

	Model	Barn-E 185
JOZ b.v. Industrieweg 5 1617KK Westwoud The Netherlands Made in EU 2025	FCC ID	2BGQ2-ROBOTS
	IC	32602ROBOTS
	Contains FCC ID	MCQ-XBS2C
	Contains IC	1846A-XBS2C
	Power	3,7 kWh/day
	Input	36-42VAC 50-60Hz
	Weight	750 kg
  	S/N : XXXXXXXXXX	
Warranty void if seal is broken		

1.2 Derived models

N/A

1.3 Test data

Test Location	DEKRA Certification B.V., Netherlands
Date (start)	2024-12-12
Date (finish)	2024-12-13

2 DESCRIPTION OF TEST SETUP

2.1 Sample(s) used for tests

During the tests the following sample(s) has(have) been used.

Sample	Logistics number	Model number	Serial number	Remark(s) / Changes
01	105998 / 1-5	BARN-E 155	300011355	--
<u>Supplementary information:</u> ---				

2.2 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

Operating mode	Description of the operating mode	Used for testing
1	EUT ON. TX continuous modulated carrier at 2480 MHz Zigbee QPSK. TX continuous modulated carrier at 134 kHz RFID.	☒
<u>Supplemental information:</u>		

2.3 Port(s) of the EUT

Port name and description	Connected to / Termination	Cable		
		Length used during test [m]	Attached during test	Shielded
Enclosure	--	--	☐	☐
			☐	☐
<u>Supplemental information:</u> ---				

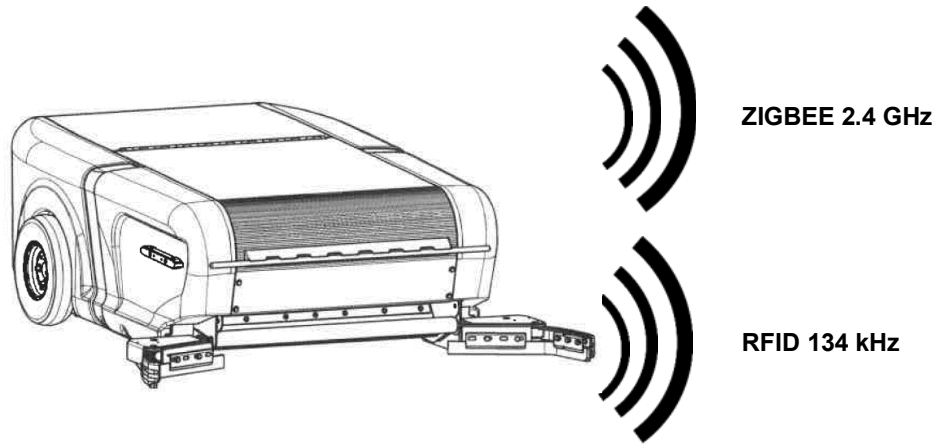
2.4 Support / Auxiliary equipment / unit / software for the EUT

The EUT has been tested with the following auxiliary equipment / unit / software:

Auxiliary equipment / unit / software	Type / Version	Manufacturer	Supplied by
<u>Supplemental information:</u> ---			

2.5 Test Configuration / Block diagram used for tests

The following block diagram has been used during the tests:



2.6 Test conditions

Power supply (V) of BARN-E 155:

Vnom= 24 Vdc.

Vmin= N/A

Vmax= N/A

Type of Power Supply: 2 x 12V batteries.

Temperature (°C):

Tn = +15° to +35°.

Tmin= N/A

Tmax= N/A

The BARN-E 155 is placed inside an anechoic chamber on a turntable.

TEST Setup

All radiated tests were performed in a semi-anechoic chamber. The used measurement antenna's are:

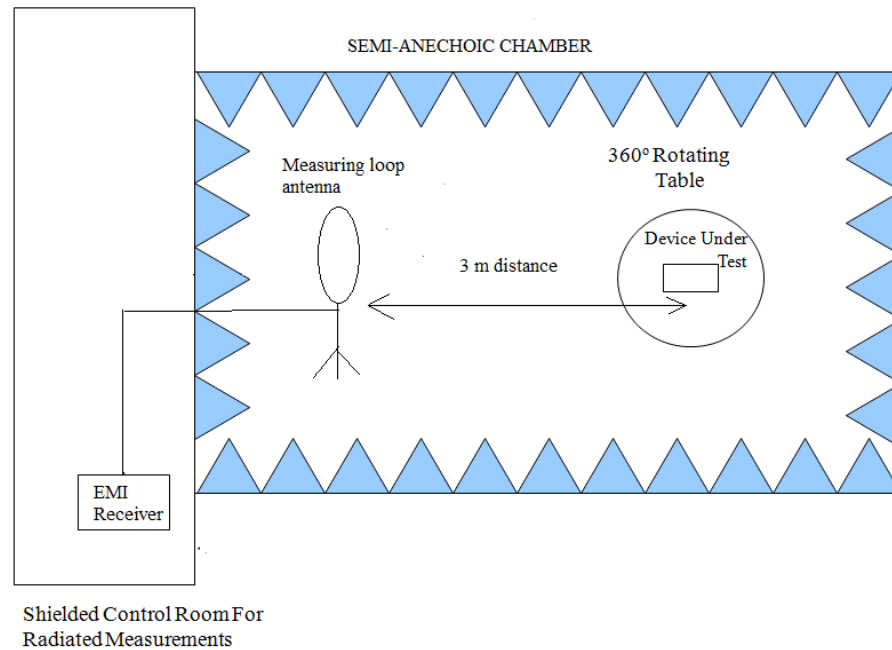
- Loop antenna situated at a distance of 3 m for the range between 9 KHz to 30 MHz.
- Ultralog antenna situated at a distance of 3 m for the range between 30 MHz to 1000 MHz.
- Double ridge horn antenna is situated at a distance of 3 m for the frequency range of 1 GHz to 18 GHz.
- Double ridge horn antenna is situated at a distance of 1 m for the frequency range of 18 GHz to 26 GHz.

The equipment under (BARN-E 155) test was set up on a non-conductive platform at a height of 0.2 m above the ground plane and the situation and orientation was varied to find the maximum radiated emission below 30MHz. The equipment under test was set up on a non-conductive platform at a height of 0.8 m above the ground plane and the situation and orientation was varied to find the maximum radiated emission above 30MHz. It was also rotated 360° and the antenna height (Ultralog antenna and Double ridge horn antenna) was varied from 1 to 4 meters to find the maximum radiated emission.

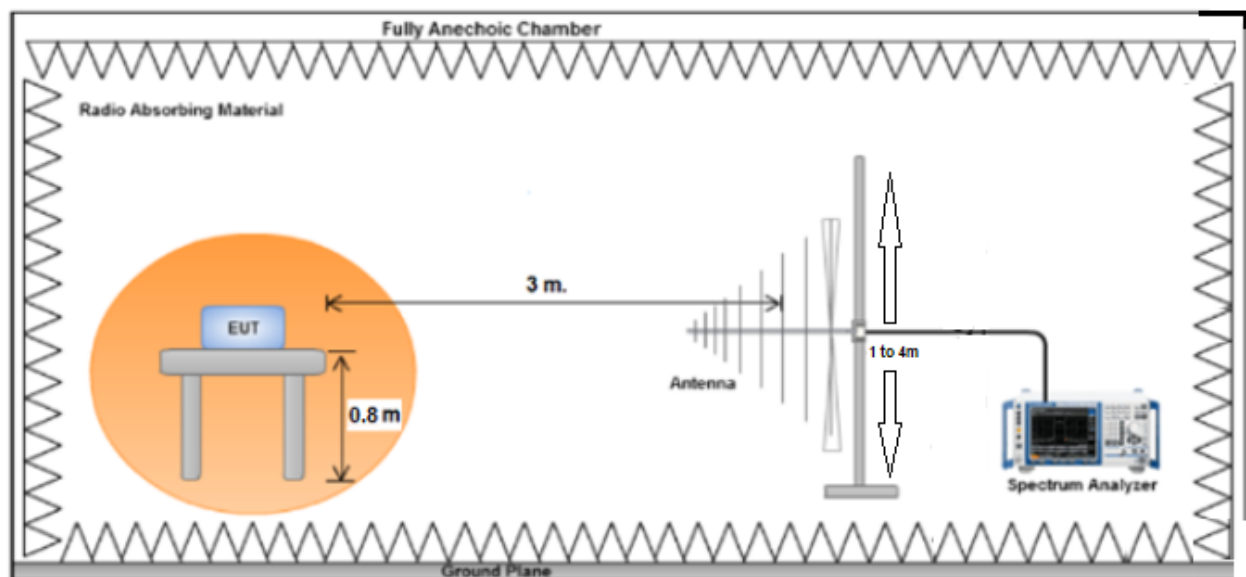
Measurements were made in both horizontal and vertical planes of polarization.

A resolution bandwidth of 200 Hz was used for frequencies below 150 KHz and 9KHz for frequencies between 150KHz to 30MHz. A resolution bandwidth / video bandwidth of 100 kHz / 300 kHz was used for frequencies between 30MHz to 1GHz and 1 MHz / 3 MHz for frequencies above 1 GHz.

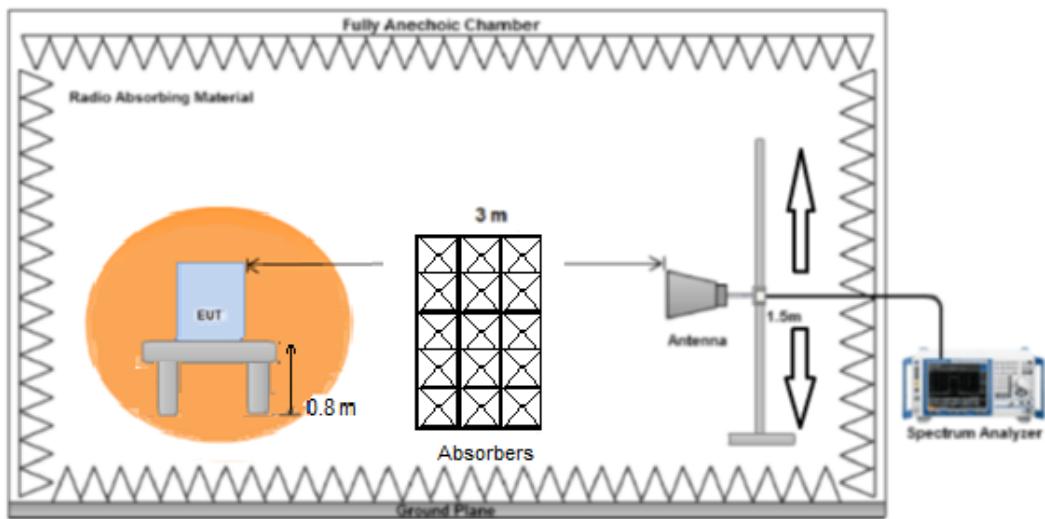
Radiated measurements setup from 9 KHz to 30 MHz



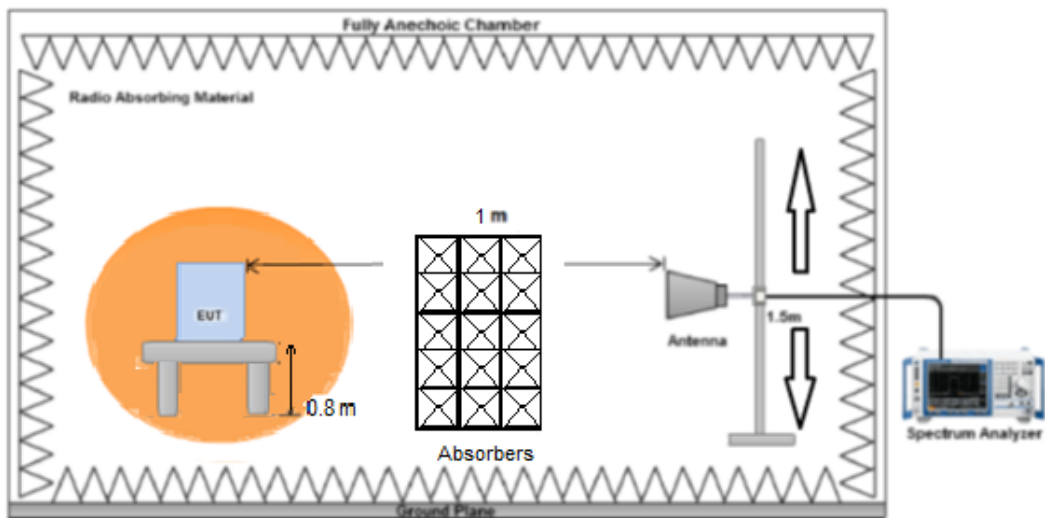
Radiated measurements setup from 30 MHz to 1 GHz



Radiated measurements setup from 1 GHz to 18 GHz (tilting of the antenna is not shown):



Radiated measurements setup above 18 GHz (tilting of the antenna is not shown):



3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
FCC Rules & Regulations 47 CFR Chapter I - Part 15 Subpart C Clause 15.247	2024-01	Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.
FCC Rules & Regulations 47 CFR Chapter I - Part 15 Subpart C Clause 15.209	2024-01	Radiated emission limits; general requirements.
RSS-247	2025-07	Digital Transmission Systems, Frequency Hopping Systems and Licence-Exempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands
RSS-Gen + Amendment 1 + Amendment 2	2018-04 +2019-03 +2021-02	General Requirements for Compliance of Radio Apparatus

3.2 Overview of results – Zigbee 2.4 GHz and RFID 134 kHz

Test case	Standard	Verdict	Remarks
Emission limitations radiated (Transmitter)	FCC 15.247 Subclause (d), FCC 15.209 Subclause (a), RSS-247 Subclause 6.6 and RSS-Gen	Pass	See 1
Supplementary information and remarks: (1) Only Co-Location radiated spurious emission test was requested.			

3.3 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards:
 N/A.

4 TEST RESULTS ZIGBEE AND RFID

4.1 Product Information

The following information is provided by the supplier, in accordance with clause 5.3.1:

Information	Description
Modulation	RFID: Unmodulated sinus wave ZIGBEE: QPSK
Frequency band/Range	RFID: 134 kHz ZIGBEE: 2405 MHz to 2480 MHz
Maximum RF Output Power (e.i.r.p.)	ZIGBEE: 7.97 dBm
Operation mode 1: Single Antenna Equipment	RFID: Equipment with one antenna ZIGBEE: Equipment with one antenna
- Operating Frequency Range	RFID: 134 kHz ZIGBEE: 2405 MHz to 2480 MHz
- Channel Spacing	RFID: N/A ZIGBEE: 5 MHz
- Number of Channels	RFID: 1 ZIGBEE: 16
Extreme operating conditions	
- Temperature range	-5°C – 40°C
Antenna type	RFID: Loop ZIGBEE: Dipole
Antenna gain "Antenna port 1"	RFID: 1.5 dBi ZIGBEE: 1.6 dBi
Nominal Voltage	
- Supply Voltage	24.0 V
- Type of power source	DC powered
Equipment type	Floor standing equipment

4.2 Emission limitations radiated (Transmitter)

SPECIFICATION FCC 15.209 and RSS-Gen:

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency Range (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Magnetic field strength (H-Field) (μA/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	6.37/ F(kHz)	300
0.490-1.705	24000/F(kHz)	-	63.7/ F(kHz)	30
1.705 - 30.0	30	29.54	0.08	30
30 - 88	100	40	-	3
88 - 216	150	43.5	-	3
216 - 960	200	46	-	3
Above 960	500	54	-	3

SPECIFICATION FCC 15.247 and RSS-247:

Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)):

Frequency Range (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	30
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 25000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

RESULTS:

The situation and orientation was varied to find the maximum radiated emission. It was also rotated 360° and the antenna height was varied (in TILT mode) from 1 to 4 meters to find the maximum radiated emission.

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

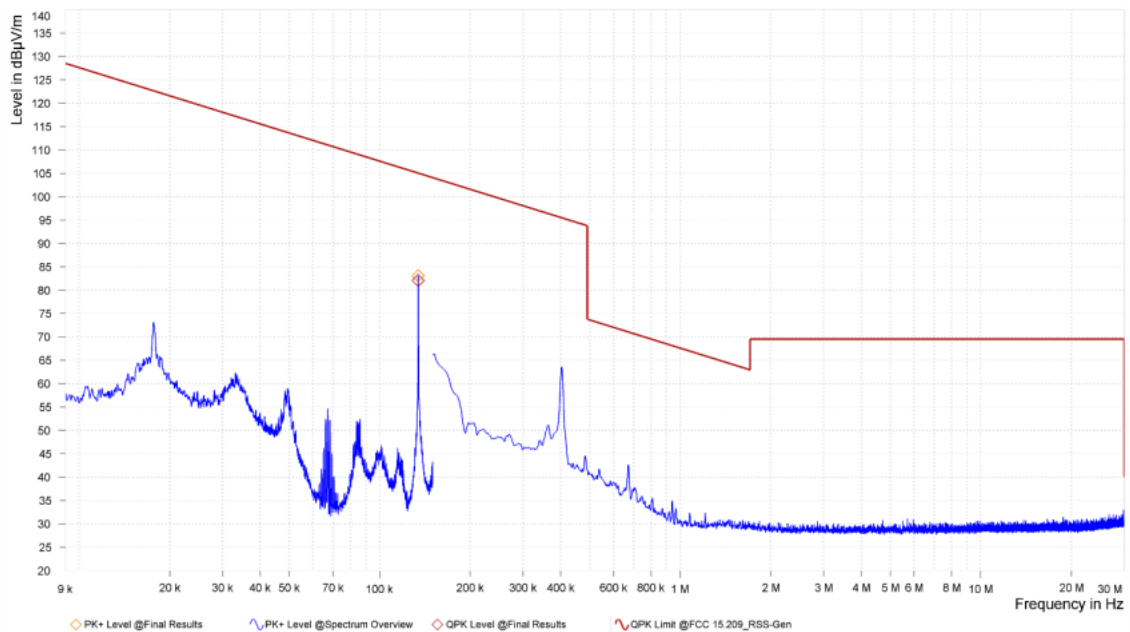
All tests were performed in a semi-anechoic chamber at a distance of 3 m for the frequency range 30 MHz-18 GHz and at distance of 1 m for the frequency range 18 GHz-26 GHz.

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.

Measurement data:

Common Information

EUT/Sample # / OM# : BARN-E 155 / 01 / 01
Voltage/Frequency : 24 Vdc
Port/Terminal under test : Enclosure
Remark/Comment : EUT ON. Simultaneous TX. BARN-E 155 with Zigbee Low Channel: 2405 MHz and RFID: 134 kHz – X axis.



Final_Results

Frequency (MHz)	QPK level (dBµV/m)	QPK Limit (dBµV/m)	Margin (dB)	Pol	Azimuth (deg)	Height (cm)	Bandwidth (kHz)
0.134	82.10	105.04	22,94	X	-143.7	100	0.200

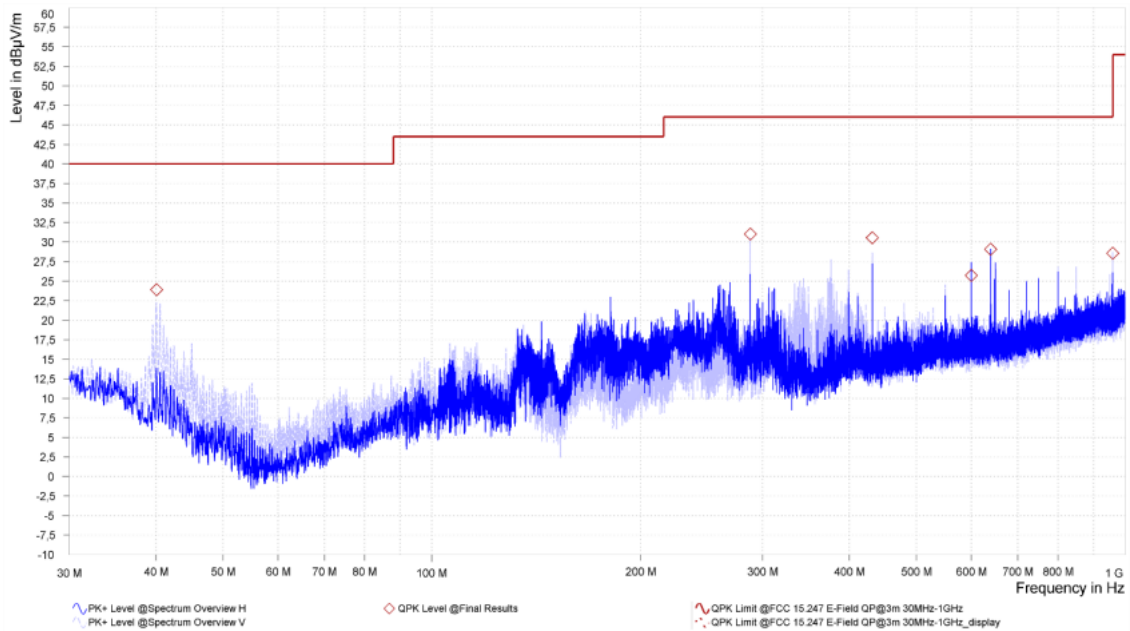
Supplementary information:

- The "Azimuth/Pol/Height" indicates the turn-table azimuth, the antenna polarisation and the antenna height where the maximum emissions level was measured.
- The "Margin" is with reference to the emissions limit. A positive number indicates that the emission measurement is below the limit. A negative number indicates that the emission measurement exceeds the limit.
- The signal near the limit belongs to RFID carrier at 134 kHz. Axis-X was the worst orientation of the Loop antenna.

Measurement data:

Common Information

EUT/Sample # / OM# : BARN-E 155 / 01 / 01
 Voltage/Frequency : 24 Vdc
 Port/Terminal under test : Enclosure
 Remark/Comment : EUT ON. Simultaneous TX. BARN-E 155 with Zigbee Low Channel:
 2405 MHz and RFID: 134 kHz – X axis.



Final Results

Frequency (MHz)	QPK Level (dBµV/m)	QPK Limit (dBµV/m)	Margin (dB)	Pol	Azimuth (deg)	Height (cm)	Bandwidth (kHz)
40.107	23.90	40.00	16,10	V	-157.7	98	120.000
287.996	31.02	46.02	15,00	V	-140.1	173	120.000
431.995	30.54	46.02	15,48	V	-41.2	103	120.000
599.995	25.74	46.02	20,28	H	178.8	166	120.000
639.988	29.09	46.02	16,93	H	174.4	141	120.000
959.979	28.58	46.02	17,44	V	-102	149	120.000

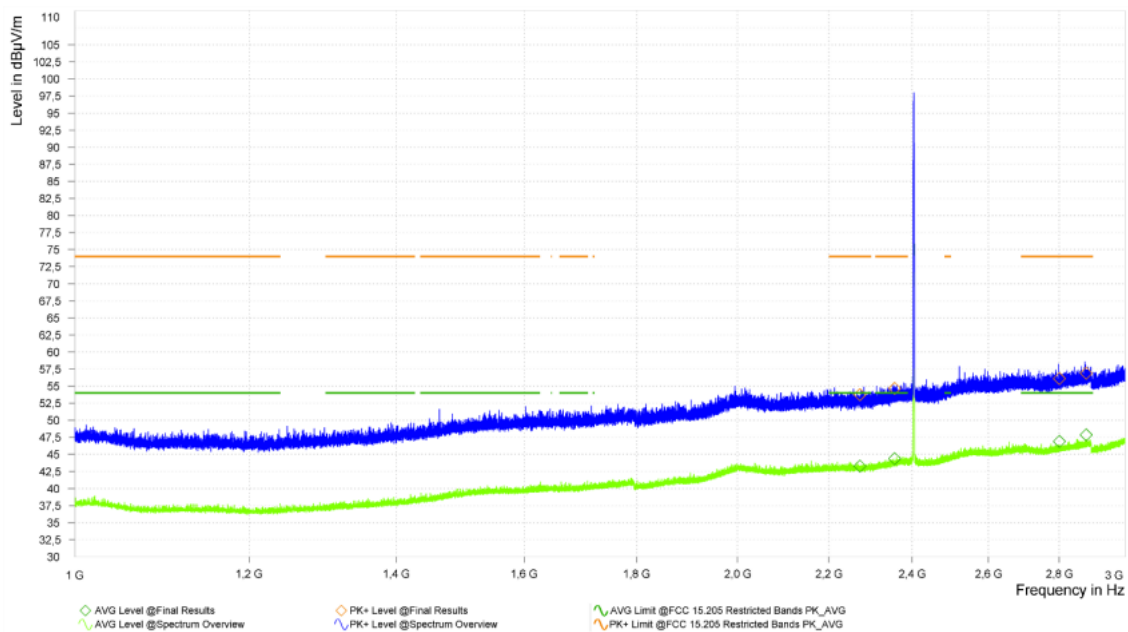
Supplementary information:

- The "Azimuth/Pol/Height" indicates the turn-table azimuth, the antenna polarisation and the antenna height where the maximum emissions level was measured.
- The "Margin" is with reference to the emissions limit. A positive number indicates that the emission measurement is below the limit. A negative number indicates that the emission measurement exceeds the limit.

Measurement data:

Common Information

EUT/Sample # / OM# : BARN-E 155 / 01 / 01
Voltage/Frequency : 24 Vdc
Port/Terminal under test : Enclosure
Remark/Comment : EUT ON. Simultaneous TX. BARN-E 155 with Zigbee Low Channel: 2405 MHz and RFID: 134 kHz – X axis.



Final_Results

Frequency (MHz)	PK Level (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AVG Level (dBµV/m)	AVG Limit (dBµV/m)	AVG Margin (dB)	Pol	Azimuth (deg)	Height (cm)	Bandwidth (kHz)
2273.233	53.73	74.00	20.27	43.25	54.00	10.75	H	48.4	350	1000.000
2357.240	54.67	74.00	19.33	44.37	54.00	9.63	V	20	306	1000.000
2800.586	56.11	74.00	17.89	46.89	54.00	7.11	H	37.4	141	1000.000
2880.089	56.90	74.00	17.10	47.84	54.00	6.16	V	-103.2	313	1000.000

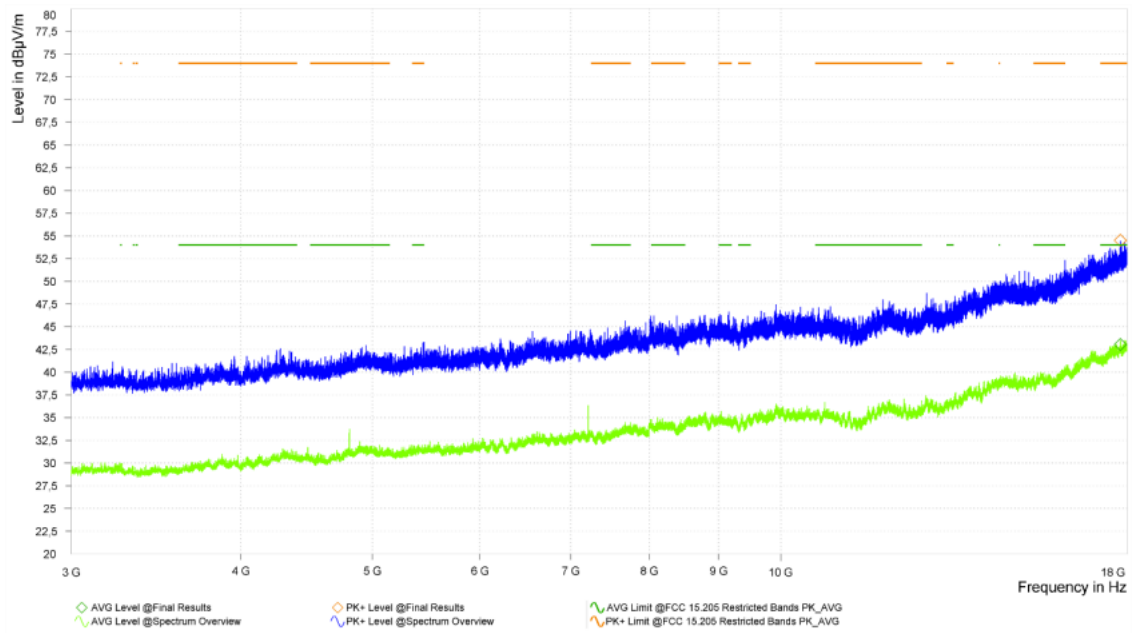
Supplementary information:

- The "Azimuth/Pol/Height" indicates the turn-table azimuth, the antenna polarisation and the antenna height where the maximum emissions level was measured.
- The "Margin" is with reference to the emissions limit. A positive number indicates that the emission measurement is below the limit. A negative number indicates that the emission measurement exceeds the limit.
- The signal above the limit of RSE belongs to the carrier of Zigbee at low channel (2405 MHz).

Measurement data:

Common Information

EUT/Sample # / OM# : BARN-E 155 / 01 / 01
Voltage/Frequency : 24 Vdc
Port/Terminal under test : Enclosure
Remark/Comment : EUT ON. Simultaneous TX. BARN-E 155 with Zigbee Low
Channel: 2405 MHz and RFID: 134 kHz – X axis.



Final Results

Frequency (MHz)	PK Level (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AVG Level (dBµV/m)	AVG Limit (dBµV/m)	AVG Margin (dB)	Pol	Azimuth (deg)	Height (cm)	Bandwidth (kHz)
17797.761	54.51	74.00	19.49	43.05	54.00	10.95	V	20.2	313	1000.000

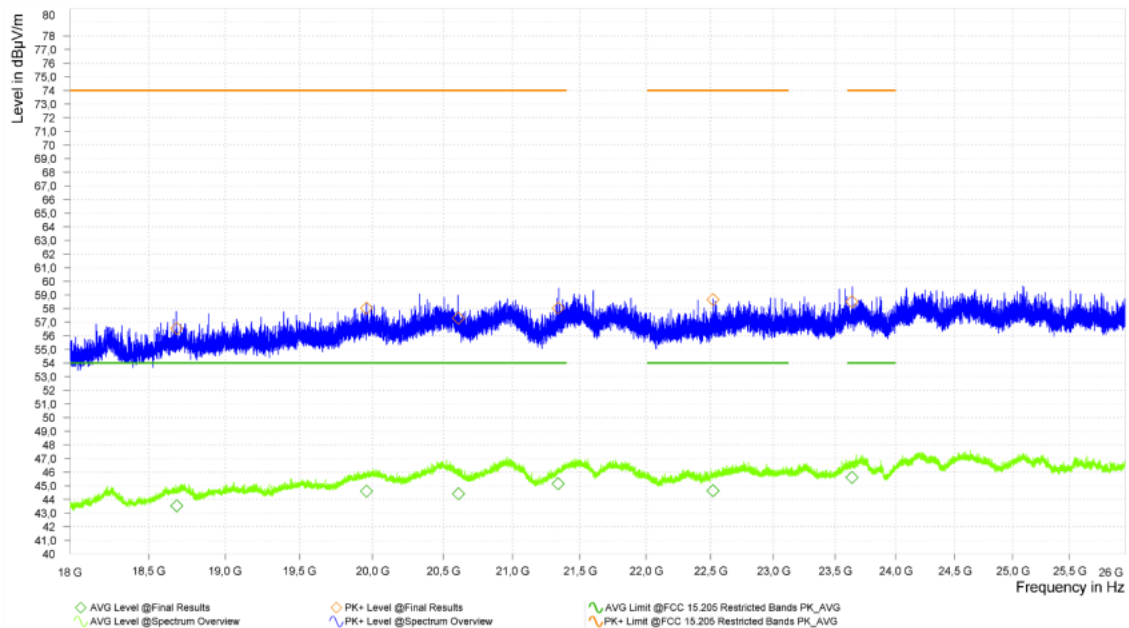
Supplementary information:

- The "Azimuth/Pol/Height" indicates the turn-table azimuth, the antenna polarisation and the antenna height where the maximum emissions level was measured.
- The "Margin" is with reference to the emissions limit. A positive number indicates that the emission measurement is below the limit. A negative number indicates that the emission measurement exceeds the limit.

Measurement data:

Common Information

EUT/Sample # / OM# : BARN-E 155 / 01 / 01
Voltage/Frequency : 24 Vdc
Port/Terminal under test : Enclosure
Remark/Comment : EUT ON. Simultaneous TX. BARN-E 155 with Zigbee Low Channel: 2405 MHz and RFID: 134 kHz – X axis.



Final_Results

Frequency (MHz)	PK Level (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AVG Level (dBµV/m)	AVG Limit (dBµV/m)	AVG Margin (dB)	Pol	Azimuth (deg)	Height (cm)	Bandwidth (kHz)
18681.000	56.54	74.00	17.46	43.53	54.00	10.47	H	78.1	323	1000.000
19958.500	58.02	74.00	15.98	44.59	54.00	9.41	V	-105.7	125	1000.000
20608.500	57.30	74.00	16.70	44.41	54.00	9.59	H	102.1	176	1000.000
21338.500	58.03	74.00	15.97	45.15	54.00	8.85	V	33.9	329	1000.000
22521.800	58.66	74.00	15.34	44.64	54.00	9.36	V	150.9	166	1000.000
23638.200	58.51	74.00	15.49	45.61	54.00	8.39	H	-82.6	350	1000.000

Supplementary information:

- The "Azimuth/Pol/Height" indicates the turn-table azimuth, the antenna polarisation and the antenna height where the maximum emissions level was measured.
- The "Margin" is with reference to the emissions limit. A positive number indicates that the emission measurement is below the limit. A negative number indicates that the emission measurement exceeds the limit.

ANNEX A: USED EQUIPMENT

Test equipment used - Radiated Spurious Emissions (9KHz - 26 GHz)				
Equipment	Manufacturer	Model	Dekra ID	Cal. Due
Anechoic Chamber 3m	ETS Lindgren	SAC-3m	135615	2026-27
EMI Test Receiver	Rohde & Schwarz	ESW44	135750	2025-27
Ultralog Antenna	Rohde & Schwarz	HL 562E	134929	2025-29
Highpass filter	Wainwright instruments	WHKX10-2700-3000-18000-40SS	132561B	2026-40
RF Blue Cable (2m)	Huber & Suhner	SUCOFLEX 126E	132529	2026-40
RF Blue Cable (3m)	Huber & Suhner	SUCOFLEX 102E	132535	2026-39
RF Blue Cable (5m)	Huber & Suhner	SUCOFLEX 102EA	134189	2026-40
Double Horn Ridge antenna	Rohde-Schwarz	HF 907	134928	2025-27
Pre-Amplifier (1- 18 GHz)	BONN	BLMA 1-18-5G	134808	2025-40
Antenna Horn	ETS-LINDGREN	3116C	132585	2026-44
Pre-Amplifier (18- 40 GHz)	BONN	BLMA 18-40-5G	134807	2025-40
Loop Antenna	Rohde-Schwarz	HFH2-Z2E	134139	2026-49
Test-Control Software	Rohde-Schwarz	ELEKTRA	500160	2029-41
RF Blue Cable (1m)	Huber & Suhner	SUCOFLEX 126EA	134193	2026-41
RF Blue Cable (2m)	Huber & Suhner	SUCOFLEX 102EA	132536	2026-40
RF Blue Cable (2m)	Huber & Suhner	SUCOFLEX 102EA	132537	2026-39