

International Toy, Inc.

TEST REPORT

SCOPE OF WORK

FCC TESTING— 1000110663

REPORT NUMBER

SZHH02123736-003

ISSUE DATE

Dec 24, 2025

[REVISED DATE]

[-----]

PAGES

19

DOCUMENT CONTROL NUMBER

FCC ID 215_C

© 2017 INTERTEK



International Toy, Inc.

Application
For
Certification

FCC ID: 2ACU8INT134**AN26 LARGE HOLOCRON****Model: 1000110663****118KHz Transceiver****Report No.: SZHH02123736-003**

We hereby certify that the sample of the above item is considered to comply with the
requirements of FCC Part 15, Subpart C for Intentional Radiator,
mention 47 CFR [10-1-24]

Prepared and Checked by:***Approved by:***

Sign on file

Terry Tang
Assistant Supervisor

Johnny Wang
Project Engineer
Date: Dec 24, 2025

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Intertek Testing Service Shenzhen Ltd. Longhua Branch

101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community GuanHu Subdistrict, LongHua District, Shenzhen, People's Republic of China

Tel: (86 755) 8601 6288 Fax: (86 755) 8601 6751

Table of Contents

1.0 Summary of Test Result	4
2.0 General Description	5
2.1 Product Description	5
2.2 Related Submittal(s) Grants	5
2.3 Test Methodology	5
2.4 Test Facility	5
3.0 System Test Configuration	6
3.1 Justification	6
3.2 EUT Exercising Software	6
3.3 Special Accessories	6
3.4 Equipment Modification	6
3.5 Measurement Uncertainty	6
3.6 Support Equipment List and Description	7
4.0 Emission Results	8
4.1 Radiated Test Results	8
4.1.1 Field Strength Calculation	8
4.1.2 Radiated Emission Configuration Photograph	9
4.1.3 Radiated Emissions	9
4.2 Conducted Emission at Mains Terminals	13
4.2.1 Conducted Emissions Configuration Photograph	13
4.2.2 Conducted Emissions	13
5.0 Equipment Photographs	16
6.0 Product Labelling	16
7.0 Technical Specifications	16
8.0 Instruction Manual	16
9.0 Miscellaneous Information	17
9.1 20dB Bandwidth	17
9.2 Discussion of Pulse Desensitization	18
9.3 Emissions Test Procedures	18
10.0 Test Equipment List	19

1.0 Summary of Test Result

Applicant: International Toy, Inc.

Applicant Address: 17922 Fitch STE 100 Irvine California United States

Manufacturer: International Toy, Inc.

Manufacturer Address: 17922 Fitch STE 100 Irvine California United States

MODEL: 1000110663

FCC ID: 2ACU8INT134

Test Specification	Reference	Results
Transmitter Radiated Emission	15.209 &15.205	Pass
Conducted Emission	15.207	Pass
20dB Bandwidth	15.215(c)	Pass

Note: The EUT uses an Integral Antenna which in accordance to Section 15.203 is considered sufficient to comply with the provisions of this section.

2.0 General Description

2.1 Product Description

The equipment under test (EUT) is an AN26 LARGE HOLOCRON RFID function. The EUT can be powered by DC 3.7V (1 x 3.7V rechargeable battery) and DC 5.0V from USB Port. For more detail information pls. refer to the user manual.

Antenna Type: Integral antenna

Modulation Type: ASK

For electronic filing, the brief circuit description is saved with filename: descri.pdf.

2.2 Related Submittal(s) Grants

This is an application for certification of the AN26 LARGE HOLOCRON which has RFID function. and there is no related application.

2.3 Test Methodology

Radiated emission measurements were performed according to the procedures in ANSI C63.10 (2020). Radiated emission measurement was performed in Semi-anechoic chamber. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst-case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "**Justification Section**" of this Application. All other measurements were made in accordance with the procedures in part 2 of CFR 47.

2.4 Test Facility

The Semi-anechoic chamber used to collect the radiated data is **Intertek Testing Services Shenzhen Ltd. Longhua Branch** and located at 101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community GuanHu Subdistrict, LongHua District, Shenzhen, People's Republic of China. This test facility and site measurement data have been fully placed on file with the FCC (Registration Number: CN1188).

3.0 System Test Configuration

3.1 Justification

The system was configured for testing in a typical fashion (as a customer would normally use it), and in the confines as outlined in ANSI C63.10 (2020).

The EUT was powered by a fully DC 3.7V rechargeable Li-ion battery and charged by DC 5V3A through adapter during the test, only the worst data was reported in this report.

For maximizing emissions below 30 MHz, the EUT was rotated through 360°, the centre of the loop antenna was placed 1 meter above the ground, and the antenna polarization was changed. For maximizing emissions, the EUT was rotated through 360°, the antenna height was varied from 1 meter to 4 meters above the ground plane, and the antenna polarization was changed. This step by step procedure for maximizing emissions led to the data reported in Section 4.

The EUT and transmitting antenna was centered on the turntable.

The equipment under test (EUT) was configured for testing in a typical fashion (as a customer would normally use it). The EUT was placed on a turn table, which enabled the engineer to maximize emissions through its placement in the three orthogonal axes.

3.2 EUT Exercising Software

There was no special software to exercise the device.

3.3 Special Accessories

N/A

3.4 Equipment Modification

Any modifications installed previous to testing by International Toy, Inc. will be incorporated in each production model sold / leased in the United States.

No modifications were installed by Intertek Testing Services Shenzhen Ltd Longhua Branch.

3.5 Measurement Uncertainty

When determining the test conclusion, the Measurement Uncertainty of test has been considered.

3.6 Support Equipment List and Description

Description	Manufacturer	Model No.
Adaptor (Provided by Intertek)	Apple	A2244
USB Cable (Provided by applicant)	N/A	Unshielded, Length: 120cm

4.0 Emission Results

Data is included worst-case configuration (the configuration which resulted in the highest emission levels).

4.1 Radiated Test Results

A sample calculation, configuration photographs and data tables of the emissions are included.

4.1.1 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

$$FS = RA + AF + CF - AG + PD + AV$$

Where

- FS = Field Strength in dB μ V/m
- RA = Receiver Amplitude (including preamplifier) in dB μ V
- CF = Cable Attenuation Factor in dB
- AF = Antenna Factor in dB/m
- AG = Amplifier Gain in dB
- PD = Pulse Desensitization in dB
- AV = Average Factor in -dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

$$FS = RA + AF + CF - AG + PD + AV$$

Assume a receiver reading of 62.0 dB μ V is obtained. The antenna factor of 7.4 dB/m and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted. The pulse desensitization factor of the spectrum analyzer was 0 dB, and the resultant average factor was -10 dB. The net field strength for comparison to the appropriate emission limit is 32 dB μ V/m. This value in dB μ V/m was converted to its corresponding level in μ V/m.

$$\begin{aligned} RA &= 62.0 \text{ dB}\mu\text{V} \\ AF &= 7.4 \text{ dB/m} \\ CF &= 1.6 \text{ dB} \\ AG &= 29.0 \text{ dB} \\ PD &= 0 \text{ dB} \\ AV &= -10 \text{ dB} \\ FS &= 62 + 7.4 + 1.6 - 29 + 0 = 42 \text{ dB}\mu\text{V/m} \end{aligned}$$

$$\text{Level in } \mu\text{V/m} = \text{Common Antilogarithm } [(42 \text{ dB}\mu\text{V/m})/20] = 125.9 \mu\text{V/m}$$

4.1.2 Radiated Emission Configuration Photograph

For electronic filing, the worst case radiated emission configuration photograph is saved with filename: radiated photos. pdf.

4.1.3 Radiated Emissions

The data on the following page lists the significant emission frequencies, the limit and the margin of compliance. Numbers with a minus sign are below the limit.

Worst Case Radiated Emission

at

395.205000 MHz

Judgement: Passed by 6.6 dB

TEST PERSONNEL:

Sign on file

Terry Tang, Assistant Supervisor

Typed/Printed Name

Dec 2, 2025

Date

Applicant: International Toy, Inc.

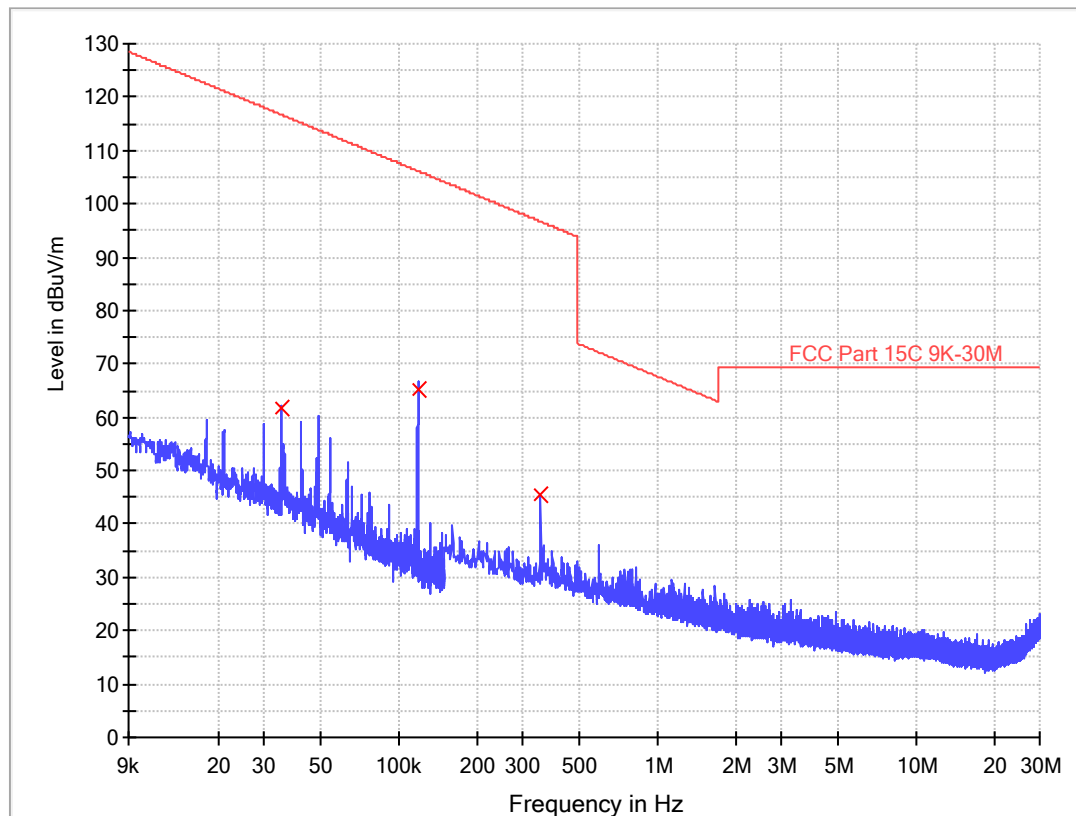
Date of Test: Dec 2, 2025

Worst Case Operating Mode:

Model: 1000110663

Transmitting

Table 1
Fundamental & Spurious Emission Below 30MHz



Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Distance Factor (dB)	Net at 3m (dBμV/m)	Calculated at 300m (dBμV/m)	Limit at 300m (dBμV/m)	Margin (dB)
Horizontal	0.034963	44.0	0	18.0	80	62.0	-18.0	36.7	-54.7
Horizontal	0.117984	48.4	0	17.1	80	65.5	-14.5	26.2	-40.7
Horizontal	0.353975	28.8	0	16.9	80	45.7	-34.3	16.6	-50.9

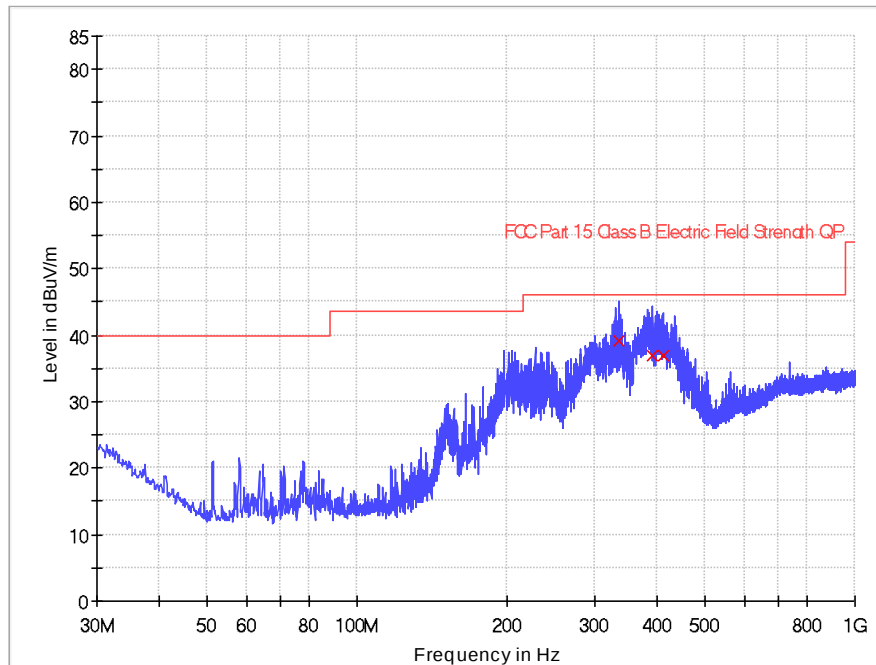
Notes:

1. Peak Detector Data unless otherwise stated.
2. All measurements were made at 3 meter. Harmonic emissions not detected at the 3-meter distances were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative sign in the column shows value below limit.
4. Emission level (dBuA/m) = 20 log Emission level (uA/m).
5. Loop antenna is used for the emissions below 30 MHz.
6. Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
7. Limit line (dBuA/m) = specific limits (uA/m) + distance extrapolation factor.
= 20 log (uA/m) + 40 log (specific distance / test distance) (dB).

Table 2
Spurious emission (30MHz ~ 1GHz)

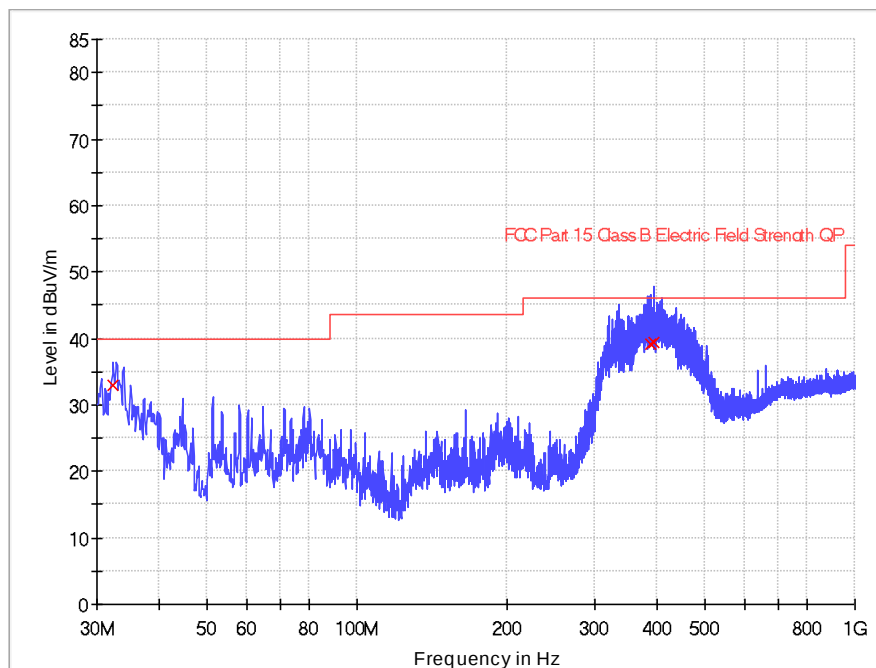
Horizontal

FCC Part 15



Vertical

FCC Part 15



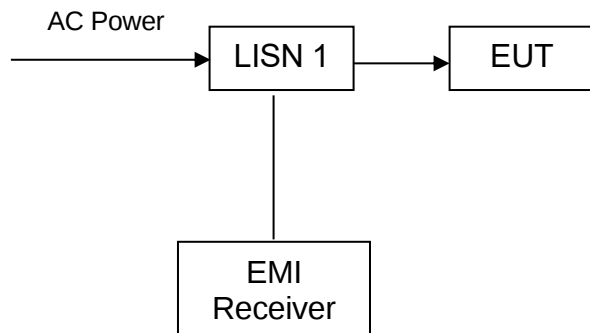
Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBμV/m)	Peak Limit at 3m (dBμV/m)	Margin (dB)
Horizontal	336.035000	16.4	0	22.7	39.1	46.0	-6.9
Horizontal	390.718750	11.7	0	25.3	37.0	46.0	-9.0
Horizontal	410.846250	11.0	0	25.9	36.9	46.0	-9.1
Vertical	32.303750	10.0	0	22.9	32.9	40.0	-7.1
Vertical	388.415000	14.1	0	25.2	39.3	46.0	-6.7
Vertical	395.205000	13.9	0	25.5	39.4	46.0	-6.6

Notes:

1. Peak Detector Data unless otherwise stated.
2. All measurements were made at 3 meter. Harmonic emissions not detected at the 3-meter distances were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative sign in the column shows value below limit.

4.2 Conducted Emission at Mains Terminal

Block Diagram:



4.2.1 Conducted Emissions Configuration Photograph

For electronic filing, the worst case conducted emission configuration photograph is saved with filename: conducted photos.pdf.

4.2.2 Conducted Emissions

Worst Case Conducted Configuration
At

0.178000 MHz

Judgement: Passed by 20.0 dB margin

TEST PERSONNEL:

Sign on file

Terry Tang, Assistant Supervisor

Typed/Printed Name

Dec 2, 2025

Date

Applicant: International Toy, Inc.

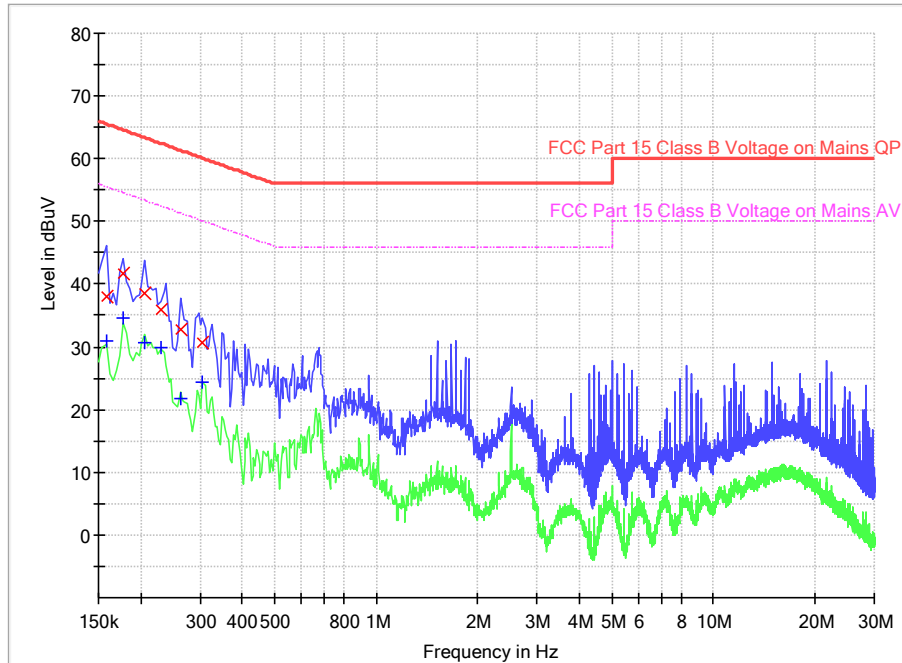
Date of Test: Dec 2, 2025

Operating Mode: Transmitting

Model: 1000110663

Phase: Live

Conducted Emission Test



Limit and Margin QP

Frequency (MHz)	Quasi Peak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.158000	38.1	9.000	L1	9.6	27.5	65.6
0.178000	41.6	9.000	L1	9.6	23.0	64.6
0.206000	38.5	9.000	L1	9.6	24.9	63.4
0.230000	36.0	9.000	L1	9.6	26.4	62.4
0.262000	32.8	9.000	L1	9.6	28.6	61.4
0.306000	30.6	9.000	L1	9.6	29.5	60.1

Limit and Margin AV

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.158000	30.9	9.000	L1	9.6	24.7	55.6
0.178000	34.6	9.000	L1	9.6	20.0	54.6
0.206000	30.7	9.000	L1	9.6	22.7	53.4
0.230000	29.9	9.000	L1	9.6	22.5	52.4
0.262000	21.8	9.000	L1	9.6	29.6	51.4
0.306000	24.3	9.000	L1	9.6	25.8	50.1

Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) = Limit (dBμV) – Quasi Peak/Average (dBμV)

Applicant: International Toy, Inc.

Date of Test: Dec 2, 2025

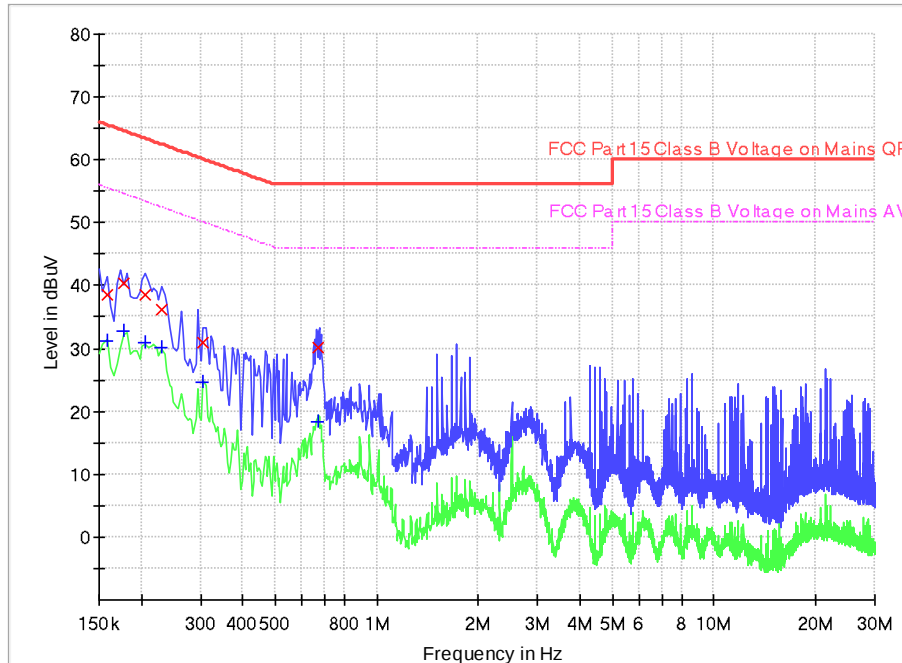
Operating Mode: Transmitting

Model: 1000110663

Phase: Neutral

Conducted Emission Test

Conducted Emission Test - FCC Part 15



Limit and Margin QP

Frequency (MHz)	Quasi Peak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.158000	38.4	9.000	N	9.9	27.2	65.6
0.178000	40.5	9.000	N	9.8	24.1	64.6
0.206000	38.4	9.000	N	9.9	25.0	63.4
0.230000	36.1	9.000	N	9.8	26.3	62.4
0.306000	30.9	9.000	N	9.6	29.2	60.1
0.670000	30.1	9.000	N	9.5	25.9	56.0

Limit and Margin AV

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.158000	31.1	9.000	N	9.9	24.5	55.6
0.178000	32.9	9.000	N	9.8	21.7	54.6
0.206000	30.9	9.000	N	9.9	22.5	53.4
0.230000	30.1	9.000	N	9.8	22.3	52.4
0.306000	24.6	9.000	N	9.6	25.5	50.1
0.670000	18.3	9.000	N	9.5	27.7	46.0

Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) = Limit (dBμV) – Quasi Peak/Average (dBμV)

5.0 Equipment Photographs

For electronic filing, the photographs of the tested EUT are saved with filename: external photos.pdf & internal photos.pdf.

6.0 Product Labelling

For electronic filing, the FCC ID label artwork and the label location are saved with filename: label.pdf.

7.0 Technical Specifications

For electronic filing, the block diagram and schematics of the tested EUT are saved with filename: block.pdf and circuit.pdf respectively.

8.0 Instruction Manual

For electronic filing, a preliminary copy of the Instruction Manual is saved with filename: manual.pdf.

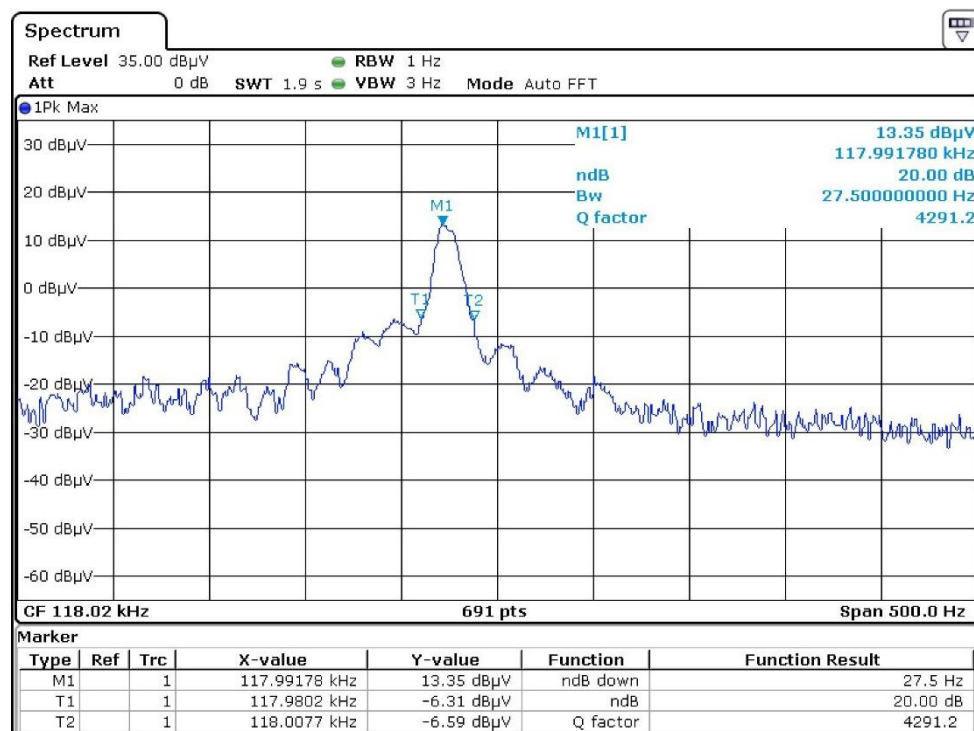
This manual will be provided to the end-user with each unit sold/leased in the United States.

9.0 Miscellaneous Information

This miscellaneous information includes details of the measured 20dB Bandwidth, the test procedure and calculation of factor such as pulse desensitization.

9.1 20dB Bandwidth

Pursuant to FCC part 15 Section 15.215(c), the 20dB bandwidth of the emission was contained within the frequency band designated (118KHz) which the EUT operated. The effects, if any, from frequency sweeping, frequency hopping, other modulation techniques and frequency stability over excepted variations in temperature and supply voltage were considered. The test plots are reported as below.



9.2 Discussion of Pulse Desensitization

Pulse desensitivity is not applicable for this device since the transmitter transmits the RF signal continuously.

9.3 Emissions Test Procedures

The following is a description of the test procedure used by Intertek Testing Services in the measurements of transmitters operating under Part 15, Subpart C rules.

The test set-up and procedures described below are designed to meet the requirements of ANSI C63.10 - 2020.

The transmitting equipment under test (EUT) is placed on a styrene turntable which is four feet in diameter and approximately 0.8 meter up to 1GHz in height above the ground plane. During the radiated emissions test, the turntable is rotated and any cables leaving the EUT are manipulated to find the configuration resulting in maximum emissions. The EUT is adjusted through all three orthogonal axes to obtain maximum emission levels. The antenna height and polarization are varied during the testing to search for maximum signal levels.

Detector function for radiated emissions is in peak mode. The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz up to the 1GHz.

The EUT is warmed up for 15 minutes prior to the test.

AC power to the unit is varied from 85% to 115% nominal and variation in the fundamental emission field strength is recorded. If battery powered, a new, fully charged battery is used.

The IF bandwidth used for measurement of radiated signal strength was 10 kHz for emission below 30 MHz and 120 kHz for emission from 30 MHz to 1000 MHz. Where pulsed transmissions of short enough pulse duration warrant, a greater bandwidth is selected according to the recommendations of Hewlett Packard Application Note 150-2.

Transmitter measurements are normally conducted at a measurement distance of three meters. However, to assure low enough noise floor in the restricted bands and above 1 GHz, signals are acquired at a distance of one meter or less. All measurements are extrapolated to three meters using inverse scaling, but those measurements taken at a closer distance are so marked.

10.0 Test Equipment List

Equipment No.	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
SZ061-13	BiConiLog Antenna	ETS	3142E	00217919	29-May-2025	29-May-2028
SZ185-04	EMI Receiver	R & S	ESR7	102466	1-Nov-2025	1-Nov-2026
SZ061-06	Active Loop Antenna	Electro-Metrics	EM-6876	217	5-May-2024	5-May-2027
SZ181-04	Preamplifier	Agilent	8449B	3008A02474	21-Apr-2025	21-Apr-2026
SZ188-01	Anechoic Chamber	ETS	RFD-F/A-100	4102	12-Dec-2021	12-Dec-2026
SZ062-02	RF Cable	RADIAL	RG 213U	--	1-Nov-2025	1-May -2026
SZ062-05	RF Cable	RADIAL	0.04-26.5GHz	--	1-Nov-2025	1-May -2026
SZ062-12	RF Cable	RADIAL	0.04-26.5GHz	--	1-Nov-2025	1-May -2026
SZ067-04	Notch Filter	Micro-Tronics	BRM50702-02	--	21-Apr-2025	21-Apr-2026
SZ185-02	EMI Test Receiver	R&S	ESCI	100692	30-Jun-2025	30-Jun-2026
SZ187-02	Two-Line V-Network	R&S	ENV216	100073	21-Apr-2025	21-Apr-2026
SZ188-03	Shielding Room	ETS	RFD-100	4100	20-Dec-2022	20-Dec-2025
SZ062-16	RF Cable	HUBER+SUHNER	CBL2-BN-1m	110127-2231000	30-Jun-2025	30-Jun-2026

*****End of Report*****