

NINGBO QTOP IMP&EXP CO., LTD

TEST REPORT

SCOPE OF WORK
FCC TESTING–Y11

REPORT NUMBER
231201022SZN-001

ISSUE DATE	[REVISED DATE]
January 15, 2024	[-----]

PAGES
23

DOCUMENT CONTROL NUMBER
FCC ID 249_C
© 2017 INTERTEK



NINGBO QTOP IMP&EXP CO., LTD

Application
For
Certification

FCC ID: 2BDVY-Y11

HOT PINK WIRELESS MOUSE

Model: Y11

Brand Name: Packed Party

2.4GHz Transceiver

Report No.: 231201022SZN-001

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 [10-1-22]

Prepared and Checked by:

Approved by:

Holland Yang
Engineer

Ryan Chen
Sr. Project Engineer
Date: January 15, 2024

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 Services Shenzhen Ltd. Longhua Branch

101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu Subdistrict, LongHua District, ShenZhen, P.R. China
Tel: (86 755) 8601 6288 Fax: (86 755) 8601 6751

MEASUREMENT/TECHNICAL REPORT

This report concerns (check one:) Original Grant ☒ Class II Change ☐

Equipment Type: DXX - Part 15 Low Power Communication Device Transmitter

Deferred grant requested per 47 CFR 0.457(d)(1)(ii)? Yes ☐ No ☒

If yes, defer until: _____
date

Company Name agrees to notify the Commission by: _____
date

of the intended date of announcement of the product so that the grant can be issued on that date.

Transition Rules Request per 15.37? Yes ☐ No ☒

If no, assumed Part 15, Subpart C for intentional radiator – the new 47 CFR [10-1-22 Edition] provision.

Report prepared by:

Holland Yang
Intertek Testing Services Shenzhen Ltd. Longhua Branch
101, 201, Building B, No. 308 Wuhe Avenue,
Zhangkengjing Community, GuanHu Subdistrict,
LongHua District, ShenZhen, P.R. China
Tel / Fax: 86-755-8614 0743/86-755-8601 6661

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	7
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
4.1.4 Transmitter Spurious Emissions	12
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 Bandedge Plot	17
9.2 20dB Bandwidth	19
9.3 Discussion of Pulse Desensitization	20
9.4 Transmitter Duty Cycle Calculation, FCC Rule 15.35(b, c)	20
9.5 Emissions Test Procedures	21
10.0 Test Equipment List	23

1.0 Summary of Test Result

Applicant: NINGBO QTOP IMP&EXP CO.,LTD

Applicant Address: 17F,Romon Plaza,No.575 Tiantongnan Road,
YinzhouDistrict,Ningbo,China

Manufacturer: Hongtu Overfly electronic technology Co., LTD

Manufacturer Address: Room 501, 88 Luxi Road, Chabu Town, Dongguan City, Guangdong
Province

MODEL: Y11

FCC ID: 2BDVY-Y11

Test Specification	Reference	Results
Transmitter Radiated Emission Band edge	15.249 &15.209 &15.205	Pass
20dB Bandwidth	15.215(c)	Pass

Notes: 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 a HOT PINK WIRELESS MOUSE with Bluetooth 5.2 BLE function operating in 2402-2480MHz. The EUT is powered by DC 1.5V by AA battery. For more detail information pls. refer to the user manual.

Antenna Type: Printed antenna

Modulation Type: GFSK

Antenna Gain: -5.1dBi Max (This information is provided by applicant, and the applicant is responsible for the authenticity of the provided information.)

Bluetooth Version: 5.2 BLE (Single Mode)

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 a transceiver for the HOT PINK WIRELESS MOUSE which has Bluetooth function.

2.3 Test Methodology

Radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013). 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, P.R. 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 (2013).

The EUT is powered by DC 1.5V full "AA" battery 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 bottom 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

The EUT exercise program (provided by client) used during testing was designed to exercise the various system components in a manner similar to a typical use.

3.3 Special Accessories

No special accessories used.

3.4 Equipment Modification

Any modifications installed previous to testing by NINGBO QTOP IMP&EXP CO., LTD 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

N/A

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
527.731250 MHz

Judgement: Passed by 24.8 dB

TEST PERSONNEL:

Sign on file

Holland Yang, Engineer
Typed/Printed Name

January 03, 2024
Date

Applicant: NINGBO QTOP IMP&EXP CO., LTD

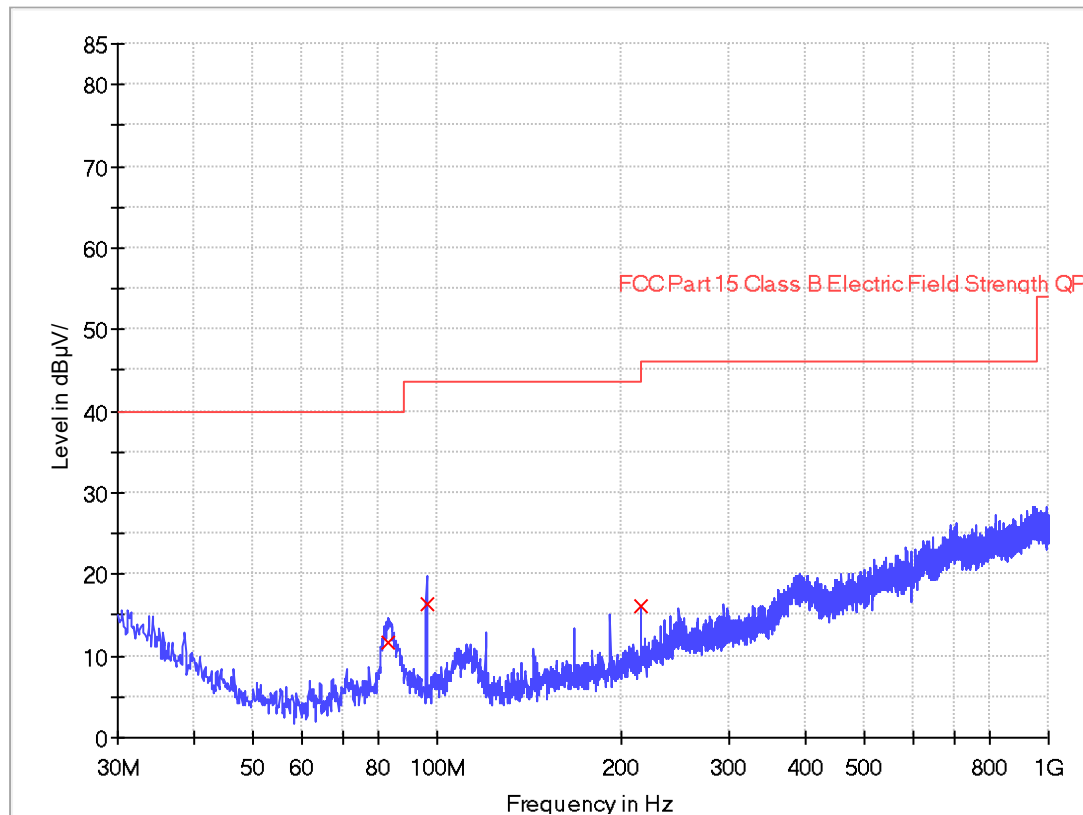
Date of Test: January 03, 2024

Model: Y11

Worst Case Operating Mode:

BT Link

ANT Polarity: Horizontal



Frequency (MHz)	Quasi Peak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBμV/m)
82.986250	11.6	1000.0	120.000	H	9.0	28.4	40.0
95.960000	16.5	1000.0	120.000	H	9.6	27.0	43.5
215.997500	16.1	1000.0	120.000	H	12.2	27.4	43.5

Remark:

1. Corr. (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)
2. Quasi Peak (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Limit Line (dBμV/m) – Level (dBμV/m)

Applicant: NINGBO QTOP IMP&EXP CO., LTD

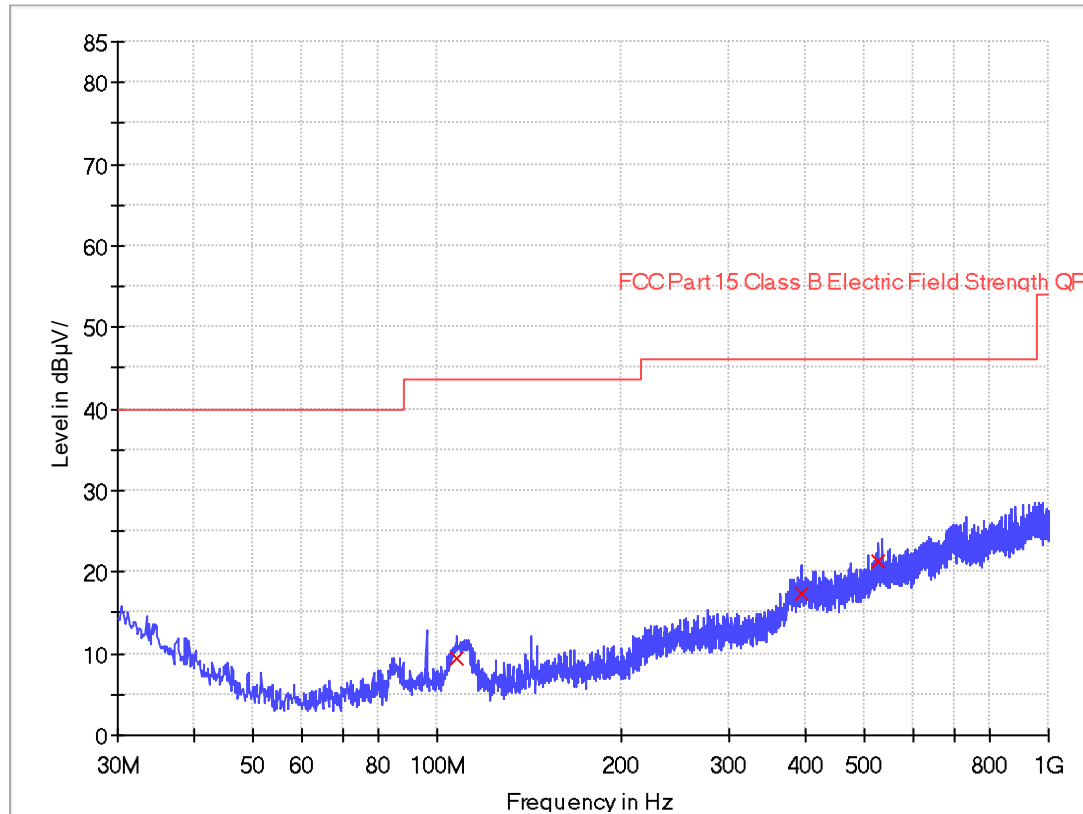
Date of Test: January 03, 2024

Worst Case Operating Mode:

Model: Y11

BT Link

ANT Polarity: Vertical



Frequency (MHz)	Quasi Peak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBμV/m)
107.600000	9.5	1000.0	120.000	V	9.9	34.0	43.5
394.841250	17.3	1000.0	120.000	V	18.6	28.7	46.0
527.731250	21.2	1000.0	120.000	V	21.9	24.8	46.0

Remark:

1. Corr. (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)
2. Quasi Peak (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Limit Line (dBμV/m) – Level (dBμV/m)

4.1.4 Transmitter Spurious Emissions (Radiated)

Worst Case Radiated Emission
at
2402.000 MHz

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

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.

Judgement: Passed by 3.19 dB

TEST PERSONNEL:

Sign on file

Holland Yang, Engineer
Typed/Printed Name

January 03, 2024
Date

Applicant: NINGBO QTOP IMP&EXP CO., LTD

Date of Test: January 03, 2024

Worst Case Operating Mode:

Model: Y11

Transmitting

Table 1

Radiated Emissions

(2402MHz)

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)
Vertical	2402.000	98.9	36.7	28.1	90.3	114.0	-23.7
Vertical	4804.000	41.8	36.7	35.5	40.6	74.0	-33.4
Vertical	7206.000	47.4	36.1	36.5	47.8	74.0	-26.2
Vertical	9608.000	49.7	36.2	37.0	50.5	74.0	-23.5

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)
Vertical	2402.000	98.6	36.7	28.1	90.0	94.0	-4.0
Vertical	4804.000	31.6	36.7	35.5	30.4	54.0	-23.6
Vertical	7206.000	37.0	36.1	36.5	37.4	54.0	-16.6
Vertical	9608.000	41.4	36.2	37.0	42.2	54.0	-11.8

- Notes:
1. Peak detector is used for the emission measurement (RBW=1MHz / VBW=3MHz for Peak value, and RBW=1MHz / VBW=10Hz for Average value; RBW=3MHz is used for fundamental emission measurement).
 2. All measurements were made at 3 meter. Harmonic emissions not detected at the 3-meter distance 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 value in the margin column shows emission below limit.
 4. Horn antenna is used for the emission over 1000MHz.

Test Engineer: Holland Yang

Applicant: NINGBO QTOP IMP&EXP CO., LTD

Date of Test: January 03, 2024

Worst Case Operating Mode:

Model: Y11

Transmitting

Table 2

Radiated Emissions

(2440MHz)

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)
Vertical	2440.000	98.9	36.7	28.1	90.3	114.0	-23.7
Vertical	4880.000	42.6	36.7	35.5	41.4	74.0	-32.6
Vertical	7320.000	51.2	36.1	37.2	52.3	74.0	-21.7
Vertical	9760.000	50.3	36.2	37.0	51.1	74.0	-22.9

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)
Vertical	2440.000	98.7	36.7	28.1	90.1	94.0	-3.9
Vertical	4880.000	39.9	36.7	35.5	38.7	54.0	-15.3
Vertical	7320.000	40.2	36.1	37.2	41.3	54.0	-12.7
Vertical	9760.000	40.0	36.2	37.0	40.8	54.0	-13.2

- Notes:
1. Peak detector is used for the emission measurement (RBW=1MHz / VBW=3MHz for Peak value, and RBW=1MHz / VBW=10Hz for Average value; RBW=3MHz is used for fundamental emission measurement).
 2. All measurements were made at 3 meter. Harmonic emissions not detected at the 3-meter distance 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 value in the margin column shows emission below limit.
 4. Horn antenna is used for the emission over 1000MHz.

Test Engineer: Holland Yang

Applicant: NINGBO QTOP IMP&EXP CO., LTD

Date of Test: January 03, 2024

Model: Y11

Worst Case Operating Mode:

Transmitting

Table 3

Radiated Emissions

(2480MHz)

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)
Vertical	2480.000	99.3	36.7	28.1	90.7	114.0	-23.3
Vertical	4960.000	44.1	36.7	35.5	42.9	74.0	-31.1
Vertical	7440.000	45.5	36.1	37.2	46.6	74.0	-27.4
Vertical	9920.000	47.6	36.3	38.9	50.2	74.0	-23.8

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)
Vertical	2480.000	99.2	36.7	28.1	90.6	94.0	-3.4
Vertical	4960.000	31.9	36.7	35.5	30.7	54.0	-23.3
Vertical	7440.000	37.4	36.1	37.2	38.5	54.0	-15.5
Vertical	9920.000	39.0	36.3	38.9	41.6	54.0	-12.4

- Notes:
1. Peak detector is used for the emission measurement (RBW=1MHz / VBW=3MHz for Peak value, and RBW=1MHz / VBW=10Hz for Average value; RBW=3MHz is used for fundamental emission measurement).
 2. All measurements were made at 3 meter. Harmonic emissions not detected at the 3-meter distance 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 value in the margin column shows emission below limit.
 4. Horn antenna is used for the emission over 1000MHz.

Test Engineer: Holland Yang

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.

Applicant: NINGBO QTOP IMP&EXP CO., LTD

Date of Test: January 03, 2024

Model: Y11

9.0 Miscellaneous Information

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

9.1 Bandedge Plot

The test plots are attached as below. From the below plots, the field strength of any emissions outside of the specified frequency band are attenuated to the general radiated emission limits in section 15.209. It fulfils the requirement of 15.249(d).

Peak Measurement

Bandedge compliance is determined by applying marker-delta method, i.e (Bandedge Plot).

(i) **Lowest frequency channel (2402MHz):**

Peak Resultant field strength = Fundamental emissions (peak value) – delta from the bandedge plot

$$= 90.3 \text{ dB}\mu\text{v/m} - 39.19 \text{ dB}$$

$$= 51.11 \text{ dB}\mu\text{v/m}$$

Average Resultant field strength = Fundamental emissions (average value) – delta from the bandedge plot

$$= 90.0 \text{ dB}\mu\text{v/m} - 39.19 \text{ dB}$$

$$= 50.81 \text{ dB}\mu\text{v/m}$$

(ii) **Highest frequency channel (2480MHz):**

Peak Resultant field strength = Fundamental emissions (peak value) – delta from the bandedge plot

$$= 90.7 \text{ dB}\mu\text{v/m} - 50.28 \text{ dB}$$

$$= 40.42 \text{ dB}\mu\text{v/m}$$

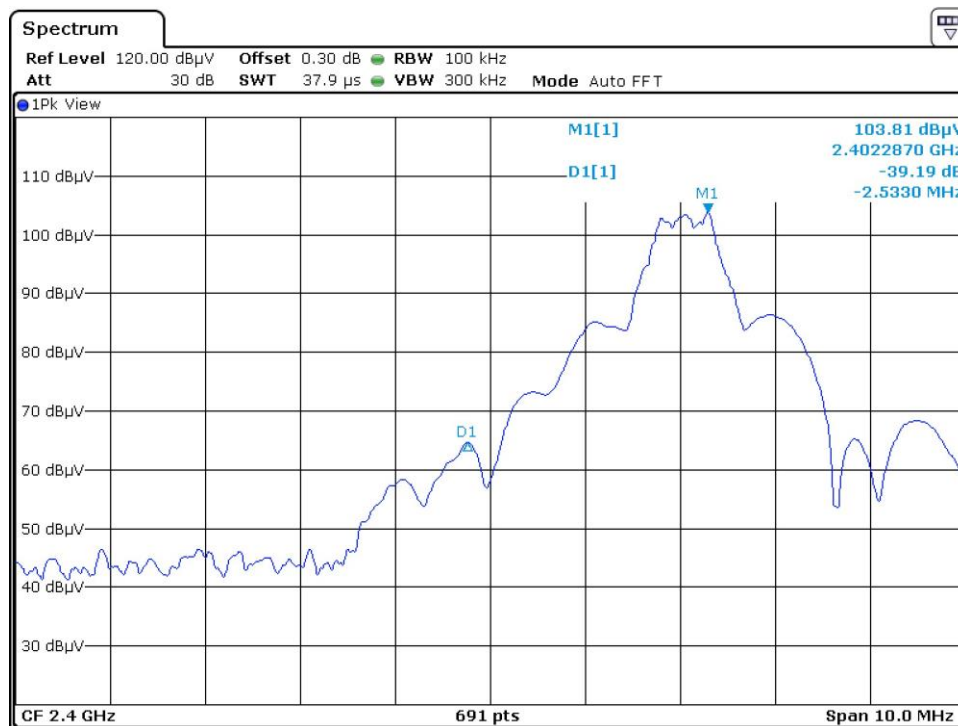
Average Resultant field strength = Fundamental emissions (average value) – delta from the bandedge plot

$$= 90.6 \text{ dB}\mu\text{v/m} - 50.28 \text{ dB}$$

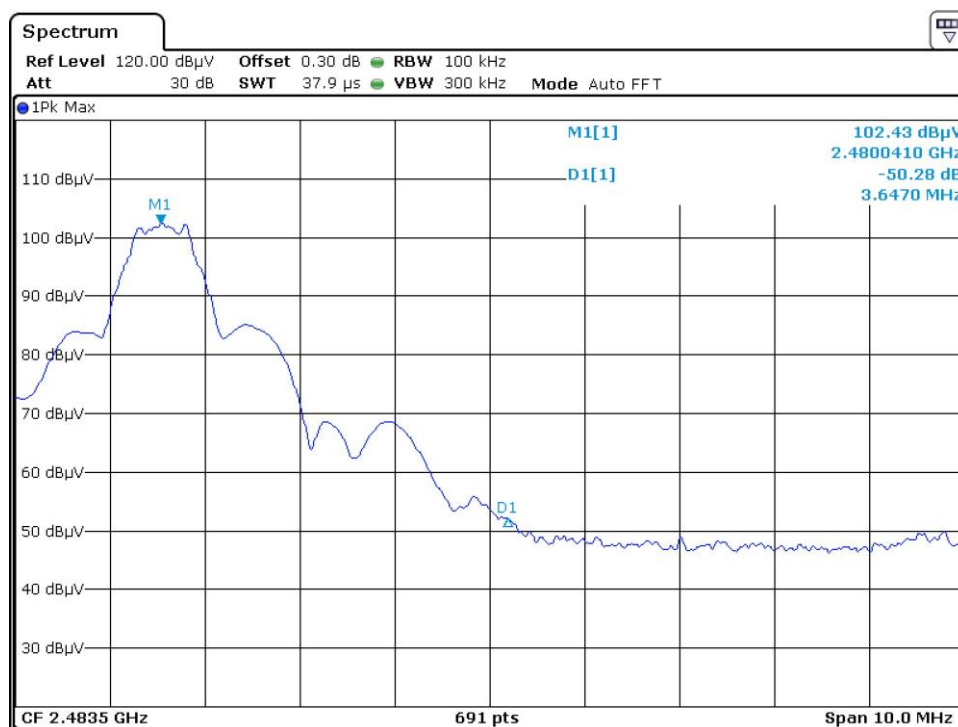
$$= 40.32 \text{ dB}\mu\text{v/m}$$

The resultant field strength meets the general radiated emission limit in section 15.209, which does not exceed 74dB μ v/m (Peak Limit) and 54dB μ v/m (Average Limit).

Lowest frequency Channel

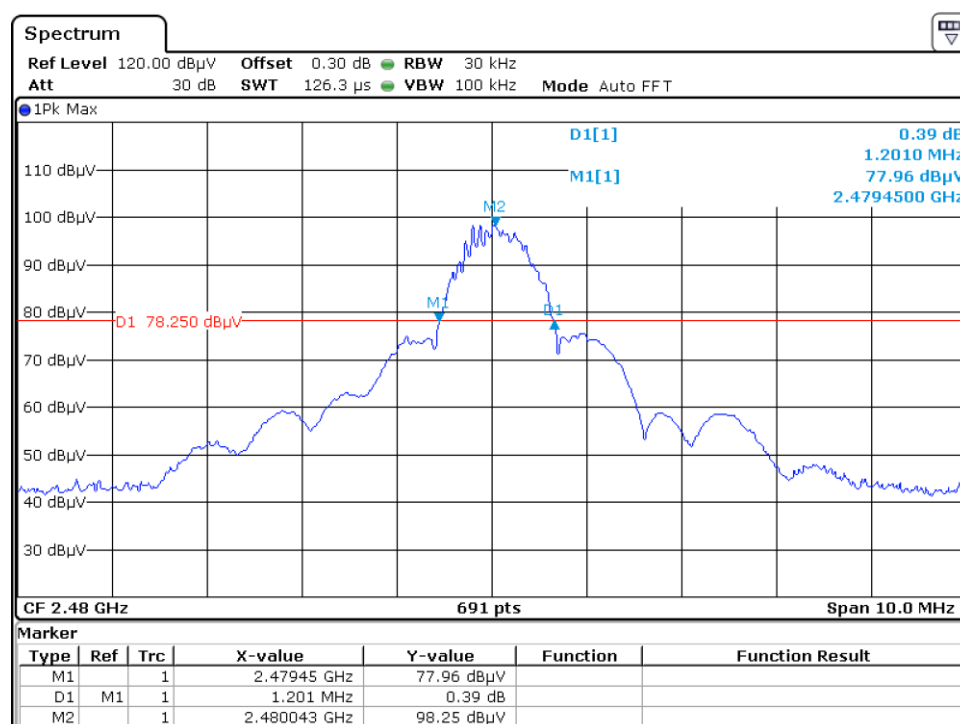
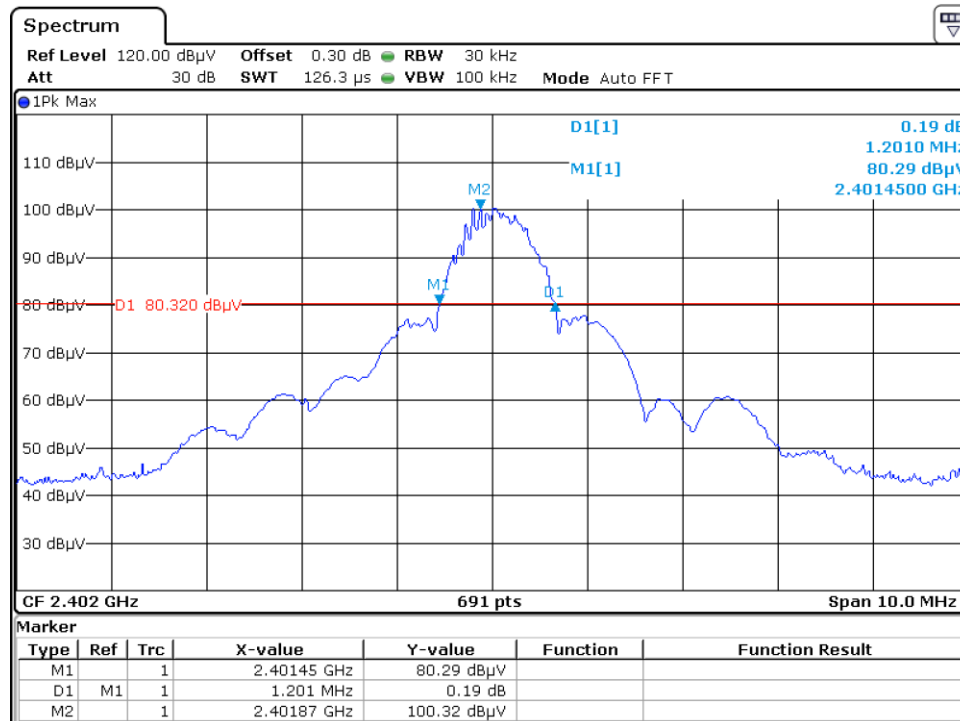


Highest frequency Channel



9.2 20dB bandwidth

Pursuant to FCC part 15 Section 15.215(c), the 20dB bandwidth of the emission was contained within the frequency band designated (mentioned as above) 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.



9.3 Discussion of Pulse Desensitization

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

9.4 Transmitter Duty Cycle Calculation, FCC Rule 15.35(b, c)

The EUT antenna output port was connected to the input of the spectrum analyzer. The analyzer center frequency was set to EUT RF channel carrier. The SWEP function on the analyzer was set to ZERO SPAN. The Transmitter ON time was determined from the resultant time-amplitude display:

	See attached spectrum analyzer chart (s) for Transmitter timing
	See Transmitter timing diagram provided by manufacturer
x	Not applicable, duty cycle was not used.

9.5 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 - 2013.

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 and 1.5 meter above 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 adjust 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. Average readings, when required, are taken by measuring the duty cycle of the equipment under test and subtracting the corresponding amount in dB from the measured peak readings. A detailed description for the calculation of the average factor can be found in section 9.4.

The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower.

9.5 Emissions Test Procedures (cont'd)

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. Above 1000 MHz, a resolution bandwidth of 1 MHz is used (RBW 3MHz used for fundamental emission).

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
SZ061-12	Biconilog Antenna	ETS	3142E	00166158	2021-08-04	2024-08-04
SZ061-06	Active Loop Antenna	Electro-Metrics	EM-6876	217	2021-05-18	2024-05-18
SZ061-08	Horn Antenna	ETS	3115	00092346	2021-09-05	2024-09-05
SZ061-07	Pyramidal Horn Antenna	ETS	3160-09	00083067	2022-08-31	2025-08-31
SZ056-03	Spectrum Analyzer	R&S	FSP30	101148	2023-04-27	2024-04-27
SZ185-04	EMI Receiver	R & S	ESCI	102466	2023-11-10	2024-11-10
SZ181-04	Preamplifier	Agilent	8449B	3008A02474	2023-04-27	2024-04-27
SZ188-01	Anechoic Chamber	ETS	RFD-F/A-100	4102	2021-12-12	2024-12-12
SZ056-08	Signal Analyzer	R&S	FSV40	101430	2023-12-13	2024-12-13
SZ062-02	RF Cable	RADIAL	RG 213U	--	2023-11-15	2024-05-15
SZ062-05	RF Cable	RADIAL	0.04-26.5GHz	--	2023-11-15	2024-05-15
SZ062-12	RF Cable	RADIAL	0.04-26.5GHz	--	2023-11-15	2024-05-15
SZ067-04	Notch Filter	Micro-Tronics	BRM50702-02	--	2023-04-27	2024-04-27

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