



# RF Exposure Evaluation Report

<b>Application No.:</b>	DNT2507110254R7397-09601
<b>Applicant:</b>	Chengdu Tommi Technology Co., Ltd.
<b>Address of Applicant:</b>	14th Floor, Unit 1, Building 6, No. 399, West Section of Fucheng Avenue, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
<b>EUT Description:</b>	Pisky A3 Ai Pet Patrol Pal
<b>Model No.:</b>	A3
<b>FCC ID:</b>	2A8PU-A3
<b>Power supply</b>	DC 3.7V From Rechargeable Lithium Battery ; DC 12V From Adapter and Adapter Input AC 100-240V, 50/60Hz
<b>Trade Mark:</b>	PICKFUN
<b>Standards:</b>	47 CFR Part 2.1091
<b>Date of Receipt:</b>	FCC KDB 447498 D01 v06
<b>Date of Test:</b>	2025/7/11
<b>Date of Issue:</b>	2025/8/8
<b>Test Result:</b>	<b>PASS</b>

**Prepared By:** Wayne Lin (Testing Engineer)



**Reviewed By:** Pengils Chen (Project Engineer)

**Approved By:** Wayne Chen (Manager)

Note: If there is any objection to the results in this report, please submit a written inquiry to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp, and is issued by the company in accordance with the requirements of the "Conditions of Issuance of Test Reports" printed in the attached page. Unless otherwise stated, the results presented in this report only apply to the samples tested this time. Partial reproduction of this report is not allowed unless approved by the company in writing.

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**Report Revise Record**

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	August 11, 2025	Valid	Original Report



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## 1 General Information

### 1.1 Test Location

Company:	Dongguan DN Testing Co., Ltd
Address:	No. 1, West Fourth Street, South Xingfa Road, Wusha Liwu, Chang'an Town, Dongguan City, Guangdong P.R.China
Test engineer:	Wayne Lin

### 1.2 General Description of EUT

Manufacturer:	Chengdu Tommi Technology Co., Ltd.
Address of Manufacturer:	14th Floor, Unit 1, Building 6, No. 399, West Section of Fucheng Avenue, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
EUT Description::	Pisky A3 Ai Pet Patrol Pal
Test Model No.:	A3
Additional Model(s):	/
Chip Type:	AIC8800M40B
Serial Number	PR2507110254R7397
Power Supply	DC 3.7V From Rechargeable Lithium Battery ; DC 12V From Adapter and Adapter Input AC 100-240V, 50/60Hz
Trade Mark:	PICKFUN
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	2.4G:2412-2462MHz 5.8G:5725-5850MHz
Type of Modulation:	DSSS/OFDM/OFDMA
Sample Type:	<input type="checkbox"/> Portable Device, <input type="checkbox"/> Module, <input checked="" type="checkbox"/> Mobile Device
Antenna Type:	<input type="checkbox"/> External, <input checked="" type="checkbox"/> Integrated
Antenna Gain:	<input checked="" type="checkbox"/> Provided by applicant
	2.4G:2.13dBi; 5.8G:2.57dBi

Remark:

\*Since the above data and/or information is provided by the applicant relevant results or conclusions of this report are only made for these data and/or information, DNT is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.



## 1.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

**Lab A:**

- FCC, USA

Designation Number: CN1348

- A2LA (Certificate No. 7050.01)

DONGGUAN DN TESTING CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 7050.01.

- Innovation, Science and Economic Development Canada

DONGGUAN DN TESTING CO., LTD. EMC Laboratory has been recognized by ISED as an accredited testing laboratory. CAB identifier is CN0149.

IC#: 30755.

## 1.4 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	DTS Bandwidth	±0.0196%
2	Maximum Conducted Output Power	±0.686 dB
3	Maximum Power Spectral Density Level	±0.743 dB
4	Band-edge Compliance	±1.328 dB
5	Unwanted Emissions In Non-restricted Freq Bands	9KHz-1GHz:±0.746dB 1GHz-26GHz: ±1.328dB

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 3.0dB (150kHz to 30MHz) ± 4.8dB (Below 1GHz) ± 4.8dB (1GHz to 6GHz) ± 4.5dB (6GHz to 18GHz) ± 5.02dB (Above 18GHz)
2	Radiated Emission	± 3.0dB (150kHz to 30MHz) ± 4.8dB (Below 1GHz) ± 4.8dB (1GHz to 6GHz) ± 4.5dB (6GHz to 18GHz) ± 5.02dB (Above 18GHz)



## 2 RF Exposure Evaluation

### 2.1 RF Exposure Compliance Requirement

#### 2.1.1 Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

F=frequency in MHz

\*=Plane-wave equivalent power density

RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

#### Friis Formula

Friis transmission formula:  $P_d = (P_{out} * G) / (4 * \pi * R^2)$

Where

P<sub>d</sub> = power density in mW/cm<sup>2</sup>

P<sub>out</sub> = output power to antenna in mW

G = gain of antenna in linear scale

$\pi = 3.1416$

R = distance between observation point and center of the radiator in cm

P<sub>d</sub> is the limit of MPE, 1 mW/cm<sup>2</sup>. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.



## 2.1.2 Test Procedure

Software provided by client enabled the EUT to transmit data at lowest, middle and highest channel individually

## 2.1.3 EUT RF Exposure Evaluation

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 2.0 / 2.0 in linear scale.

Output Power Into Antenna & RF Exposure Evaluation Distance:

This confirmed that the device comply with MPE limit.

Test Mode	Antenna	Freq(MHz)	Power [dBm]
11B	Ant1	2412	18.71
		2437	18.00
		2462	18.17
11G	Ant1	2412	19.01
		2437	18.95
		2462	18.88
11N20SISO(2.4G)	Ant1	2412	18.18
		2437	17.79
		2462	16.38
11N40SISO(2.4G)	Ant1	2422	16.63
		2437	16.89
		2452	16.97
11AX20SISO(2.4G)	Ant1	2412	16.20
		2437	15.47
		2462	15.19
11AX40SISO(2.4G)	Ant1	2422	15.54
		2437	15.04
		2452	15.03
11A(5.8G)	Ant1	5745	14.10
		5785	13.64
		5825	11.28
11N20SISO(5.8G)	Ant1	5745	14.75
		5785	14.19
		5825	12.70
11N40SISO(5.8G)	Ant1	5755	12.52
		5795	13.70
11AC40SISO(5.8G)	Ant1	5755	14.23
		5795	13.82
11AX20SISO(5.8G)	Ant1	5745	12.07
		5785	10.78
		5825	8.01
11AX40SISO(5.8G)	Ant1	5755	14.43
		5795	13.47



The Worst Mode	Ant	Conducted output power (dBm)	Target power (dBm)	MAX Target power (dBm)	Antenna gain		Power Density (S) (mW /cm <sup>2</sup> )	Limited of Power Density (S) (mW /cm <sup>2</sup> )	Test Result	Distance (cm)
					(dBi)	(Linear)				
<hr/>										
11G ( 2.4G)	Ant1	19.01	19±1	20	2.13	1.6331	0.0325	1	Complies	20
111N20 ( 5.8G)	Ant1	14.75	14±1	15	2.57	1.8072	0.0114	1	Complies	20

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The End Report