

MPE Evaluation REPORT

Applicant ID TECH

FCC ID WQJ-VP7225

Product VP7225

Brand ID TECH

Model ID72-808HF; ID72-808HFD; ID72-008HF;
ID72-008HFD; ID72-800HF; ID72-800HFD;
ID72-000HF; ID72-000HFD

Report No. EFTA26010166-IE-03-M2V4

Issue Date June 2, 2026

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC 47 CFR Part 1 §1.1310, §2.1091**. The test results show that the equipment tested can demonstrate compliance with the requirements as documented in this report.



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Version	Revision Description	Issue Date
Rev.0	Initial issue of report.	March 24, 2026
Rev.1	Updated information.	May 8, 2026
Rev.2	Updated information.	May 20, 2026
Rev.3	Updated information.	June 1, 2026
Rev.4	Updated data. Updated information.	June 2, 2026
Note: This revised report (Report No.: EFTA26010166-IE-03-M2V4) supersedes and replaces the previously issued report (Report No.: EFTA26010166-IE-03-M2V3). Please discard or destroy the previously issued report and dispose of it accordingly.		

Table of Contents

1	Test Laboratory	4
1.1	Notes of the Test Report.....	4
1.2	Test Facility.....	4
1.3	Testing Location.....	4
1.4	Laboratory Environment	4
2	Description of Equipment Under Test	5
3	Maximum Tune up (Measured) Antenna Gain	7
4	MPE Limit.....	8
5	RF Exposure Evaluation Result.....	10
	ANNEX A: The EUT Appearance	11

1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **Eurofins TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2 Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

1.3 Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
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1.4 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25°C
Relative humidity	Min. = 20%, Max. = 80%
Ground system resistance	< 0.5 Ω
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	

2 Description of Equipment Under Test

Client Information

Applicant	ID TECH
Applicant Address	10721 Walker Street, Cypress, California 90630, United States
Manufacturer	ID TECH TAIWAN
Manufacturer Address	No. 16, Lane 22, GaoQing Rd., YanMei Dist., TaoYuan City 326, Taiwan

General Technologies

EUT Description			
Model	ID72-808HF; ID72-808HFD; ID72-008HF; ID72-008HFD; ID72-800HF; ID72-800HFD; ID72-000HF; ID72-000HFD		
SN	252T027593		
Hardware Version	Rev.A		
Software Version	v1.00		
Frequency	Band	TX (MHz)	RX (MHz)
	Bluetooth LE	2400 ~ 2483.5	2400 ~ 2483.5
	NFC	13.56	13.56
Date of Testing	January 30, 2023 ~ March 7, 2023		
Date of Sample Received	January 16, 2023		
Note: 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant. 2. All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

Model No:	Camera	Ethernet	Others
ID72-868HJ; ID72-868HJD (This two models just have difference key)	YES	YES	All the same
D72-068HJ; ID72-068HJD (This two models just have difference key)	NO	YES	
ID72-860HJ; ID72-860HJD (This two models just have difference key)	YES	NO	
ID72-060HJ; ID72-060HJD (This two models just have difference key)	NO	NO	
Note: 1. The key is related to the transaction. 2. This report only tests ID72-808D.			

VP7225 (Report No.: EFTA26010166-IE-03-M2V4) is a variant model of VP7200 (Report No.: R2301A0064-M1)

The difference between VP7225 and VP7200 are show in the below table:

	Original	Variant
Product	VP7200	VP7225
Model	ID72-868; ID72-068; ID72-060; ID72-860; ID72-868D; ID72-068D; ID72-060D; ID72-860D	ID72-868HJ; ID72-868HJD; ID72-860HJ; ID72-860HJD; ID72-068HJ; ID72-068HJD; ID72-060HJ; ID72-060HJD
LCD changes: Add LCD outside of VP7200. New plastic: Front/back cover outside of VP7200.		

The detailed product change description please refers to the Difference Declaration Letter.

This report is a variant model of Report R2301A0064-M1. Compared with the original report R2301A0064-M1, there is no new testing content. For the detailed evaluation process, please refer to the original report R2301A0064-M1.

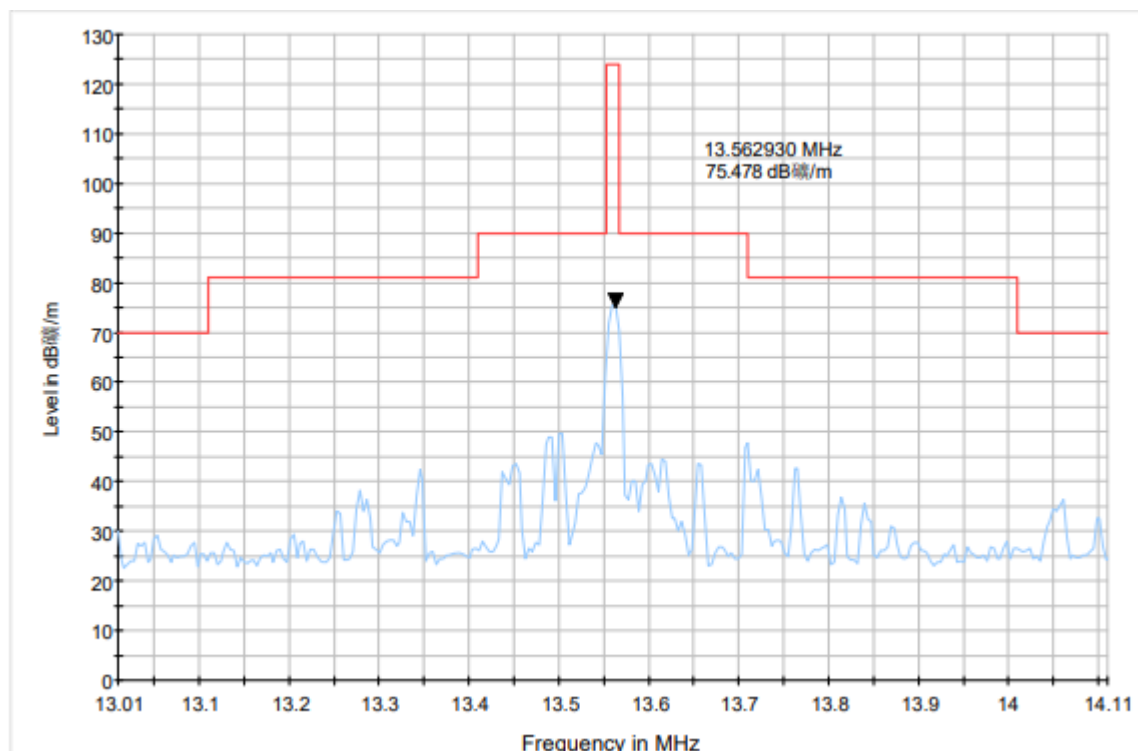
3 Maximum Tune up (Measured) Antenna Gain

The numeric gain (G) of the antenna with a gain specified in dB is determined by
Numeric gain (G)=10^(antenna gain/10)

Band	Maximum Tune up Tolerance		Antenna Gain (dBi)	Numeric Gain
	(dBm)	(mW)		
Bluetooth LE	0.00	1.00	-1.60	0.692

For NFC:

A symbol (dB/m) in the test plot below means (dBuV/m)



Test Frequency (MHz)	dBuV/m @3m	EIRP (dBm)	Max output power (dBm)
13.563	75.478	-19.722	<<0
Note1: EIRP = Max.H-field strength @ 3m - 95.2 Maximum Output Power= EIRP - Gain = -19.722-Gain <<0 dBm			

4 MPE Limit

According to section 1.1310 of FCC 47 CFR Part 1, limits for maximum permissible exposure (MPE) are as following.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) LIMITS FOR OCCUPATIONAL/CONTROLLED EXPOSURE				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f ²)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f ²)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

*f = frequency in MHz. * = Plane-wave equivalent power density.*

Note1. Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational / controlled limits apply provided he or she is made aware of the potential for exposure.

Note2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

The maximum permissible exposure for 3.0~30MHz is $\ast(180/f^2)$, for 1500~100,000MHz is 1.0. So

Band	The Maximum Permissible Exposure (mW/cm ²)
NFC	0.979
Bluetooth LE	1.000

5 RF Exposure Evaluation Result

RF exposure evaluation method is based on KDB 447498 D01, this calculation is based on the conducted power, maximum power and antenna gain with provides the minimum separation distance. The formula shown below is from OET Bulletin 65 Edition 97-01 Per KDB 447498 D01:

$$S = PG / 4\pi R^2$$

Where: S = power density (in appropriate units, e.g. mW/cm²)

P = Time-average maximum tune up procedure (in appropriate units, e.g., mW)

G = the numeric gain of the antenna

R = distance to the center of radiation of the antenna (20 cm = limit for MPE)

Band	Maximum Output Power(dBm)	Antenna Gain (dBi)	Maximum EIRP (dBm)	PG (mW)	Result (mW/cm ²)	Limit Value (mW/cm ²)	The MPE Ratio
Bluetooth LE	0.00	-1.60	-1.600	0.692	0.0001	1.000	0.0001
NFC	0.00	/	0.000	1.000	0.0002	0.979	0.0002
Note: R = 20cm $\pi = 3.1416$ The MPE Ratio = Mac Result ÷ Limit Value							

This device only supports simultaneous transmission via NFC and Bluetooth.

So, the simultaneous transmitting antenna max pairs as below:

TER = NFC Antenna MPE Ratio + Bluetooth Antenna MPE Ratio = 0.0001 + 0.0002 = 0.0003 < 1

So, the limit is kept.

Note: For this device, minimum separation distance is 20cm, even if calculations indicate MPE distance is less.

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

*****END OF REPORT *****