

FCC RF EXPOSURE REPORT

For

Industrial Router

MODEL NUMBER: VT-M2M-G405

FCC ID: 2BEA6G405

REPORT NUMBER: 4792114922-1-RF-5

ISSUE DATE: May 20, 2026

Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	May 20, 2026	Initial Issue	

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	4
2. TEST METHODOLOGY	5
3. FACILITIES AND ACCREDITATION	5
4. REQUIREMENT	6

1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Vantron Technology, Inc.
Address: 48434 Milmont Drive Fremont, CA 94538-7324, USA

Manufacturer Information

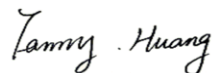
Company Name: Vantron Technology, Inc.
Address: 48434 Milmont Drive Fremont, CA 94538-7324, USA

EUT Information

EUT Name: Industrial Router
Model: VT-M2M-G405
Sample Received Date: March 18, 2026
Sample Status: Normal
Sample ID: 9546395
Date of Tested: March 18, 2026 to May 20, 2026

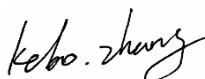
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
447498 D04 Interim General RF Exposure Guidance v01	PASS

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 1 Subpart I, section 1.1307 and KDB 447498 D04 Interim General RF Exposure Guidance v01.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
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Note: All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.

4. REQUIREMENT

LIMIT AND CALCULATION METHOD

According to 447498 D04 Interim General RF Exposure Guidance v01,

2.1.4 MPE-Based Exemption

An alternative to the SAR-based exemption is provided in § 1.1307(b)(3)(i)(C), for a much wider frequency range, from 300 kHz to 100 GHz, applicable for separation distances greater or equal to $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. The MPE-based test exemption condition is in terms of ERP, defined as the product of the maximum antenna gain and the delivered maximum time-averaged power.¹⁰ For this case, a RF source is an RF exempt device if its ERP (watts) is no more than a frequency-dependent value, as detailed tabular form in Appendix B. These limits have been derived based on the basic specifications on Maximum Permissible Exposure (MPE) considered for the FCC rules in § 1.1310(e)(1).

MPE-based Exemption

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}}(d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B.2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

CALCULATED RESULTS

Operation Band and	Freq. (MHz)	Ant. Gain (dBi)	Tune-up Limit (dBm)	EIRP (dBm)	ERP (dBm)	ERP (mW)	Separation Distance (cm)	Threshold (mW)
LTE Band 2	1850	1.87	22.0	23.9	21.7	148.6	20	3060
LTE Band 4	1710	3.12	23.0	26.1	24.0	249.5	20	3060
LTE Band 5	824	0.91	25.0	25.9	23.8	237.7	20	1680.96
LTE Band 12	699	0.95	24.0	25.0	22.8	190.5	20	1425.96
LTE Band 13	777	2.23	21.0	23.2	21.1	128.2	20	1585.08
LTE Band 25	1850	1.87	23.0	24.9	22.7	187.1	20	3060
LTE Band 26 (Part 90S)	814	0.42	23.0	23.4	21.3	134.0	20	1660.56
LTE Band 26 (Part 22)	824	0.91	23.0	23.9	21.8	150.0	20	1680.96
LTE Band 41	2496	2.90	22.0	24.9	22.8	188.4	20	3060
LTE Band 66	1710	3.12	22.0	25.1	23.0	198.2	20	3060
BT	2400	1.78	9.5	11.3	9.1	8.2	20	3060
BLE	2400	1.78	8.0	9.8	7.6	5.8	20	3060
2.4GHz WiFi	2400	1.78	20.0	21.8	19.6	91.8	20	3060
U-NII-1	5150	4.03	19.0	23.0	20.9	122.5	20	3060
U-NII-3	5725	4.03	19.5	23.5	21.4	137.4	20	3060

Note:

1. The calculated distance is 20 cm.
2. The power comes from operation description.
3. The EUT can't be transmitted simultaneously. (declared by client)

END OF REPORT