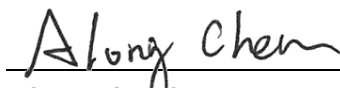


FCC RF Exposure Report

FCC ID : MXF-WRTQ411BE
Equipment : Wi-Fi 7 Tri-Band 5G FWA
Model No. : WNRFQQ-113BE
Brand Name : Gemtek
Applicant : Gemtek Technology Co., Ltd.
Address : No. 15-1 Zhonghua Road, Hsinchu Industrial
Park, Hukou, Hsinchu, Taiwan, 30352.
Standard : 47 CFR FCC Part 2.1091
Received Date : Apr. 17, 2026
Tested Date : Feb. 27 ~ Apr. 15, 2026 (for original test)
May 05 ~ May 14, 2026 (for new test)

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:


Along Chen / Manager

Approved by:


Gary Chang / Manager

Table of Contents

1	MPE EVALUATION OF MOBILE DEVICES	4
1.1	LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE.....	4
1.2	MPE EVALUATION FORMULA	4
1.3	REFERENCE GUIDANCE	4
1.4	DEVIATION FROM TEST STANDARD AND MEASUREMENT PROCEDURE	4
1.5	MEASUREMENT UNCERTAINTY	5
1.6	MPE EVALUATION RESULTS	6
1.7	MPE EVALUATION OF SIMULTANEOUS TRANSMISSION.....	9
2	TEST LABORATORY INFORMATION	10

Release Record

Report No.	Version	Description	Issued Date
FA613001-01	Rev. 01	Initial issue	Jul. 17, 2026

1 MPE EVALUATION OF MOBILE DEVICES

Human exposure to RF emissions from mobile devices (47 CFR §2.1091) may be evaluated based on the MPE limits adopted by the FCC for electric and magnetic field strength and/or power density, as appropriate, since exposures are assumed to occur at distances of 20 cm or more from persons.

1.1 LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE

Frequency Range (MHz)	Power Density (mW /cm ²)	Averaging Time (minutes)
300~1500	F/1500	30
1500~100000	1.0	30

1.2 MPE EVALUATION FORMULA

$$Pd = \frac{Pt}{4 * \pi * R^2}$$

Where

Pd= Power density in mW/cm²
Pt= EIRP in mW
Pi= 3.1416
R= Measurement distance

1.3 REFERENCE GUIDANCE

FCC 447498 D01 General RF Exposure Guidance v06

1.4 DEVIATION FROM TEST STANDARD AND MEASUREMENT PROCEDURE

None

1.5 MEASUREMENT UNCERTAINTY

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Parameters	Uncertainty
Conducted power	± 0.808 dB

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1.6 MPE EVALUATION RESULTS

Non-beamforming mode

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Maximum Tune Up Limit (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	*Ratio	Pass / Fail
2412-2462	29.83	30	2.33	26	0.201	1	0.201	Pass
5180-5240	25.75	26	2.76	26	0.088	1	0.088	Pass
5260-5320	23.89	24	2.84	26	0.057	1	0.057	Pass
5500-5720	23.88	24	2.97	26	0.059	1	0.059	Pass
5745-5825	29.40	29.50	2.92	26	0.206	1	0.206	Pass
5925-6425	24.71	25	2.62	26	0.068	1	0.068	Pass
6425-6525	24.76	25	2.63	26	0.068	1	0.068	Pass
6525-6875	21.69	22	2.57	26	0.034	1	0.034	Pass
6875-7125	24.76	25	2.59	26	0.068	1	0.068	Pass

Note 1: *Ratio = Power density / Limit.

Note 2: Above power values are from FA613001

Beamforming mode

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Maximum Tune Up Limit (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	*Ratio	Pass / Fail
2412-2462	27.47	27.5	4.39	26	0.182	1	0.182	Pass
5180-5240	22.73	23	5.78	26	0.089	1	0.089	Pass
5260-5320	20.82	21	5.91	26	0.058	1	0.058	Pass
5500-5720	21.12	21.5	5.73	26	0.062	1	0.062	Pass
5745-5825	26.99	27	5.32	26	0.201	1	0.201	Pass
5925-6425	21.49	21.5	5.84	26	0.064	1	0.064	Pass
6425-6525	21.51	22	5.88	26	0.072	1	0.072	Pass
6525-6875	18.52	19	5.74	26	0.035	1	0.035	Pass
6875-7125	21.56	22	5.79	26	0.071	1	0.071	Pass

Note 1: *Ratio = Power density / Limit.

Note 2: Above power values are from FA613001

The device contains a certified WWAN module, FCC ID: ZQ6-AC5035M2

LTE Band	Maximum Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	*Ratio	Pass / Fail
2	24.5	2.51	26	0.059	1.000	0.059	Pass
4	24.5	2.51	26	0.059	1.000	0.059	Pass
5	24.5	-1.18	26	0.025	0.549	0.046	Pass
7	24.0	4.17	26	0.077	1.000	0.077	Pass
12	24.5	-0.71	26	0.028	0.466	0.060	Pass
13	24.5	-1.18	26	0.025	0.518	0.049	Pass
14	24.5	-0.18	26	0.032	0.525	0.061	Pass
17	24.5	-0.71	26	0.028	0.469	0.060	Pass
25	24.5	2.51	26	0.059	1.000	0.059	Pass
26	24.5	-1.18	26	0.025	0.543	0.047	Pass
30	23.0	4.17	26	0.061	1.000	0.061	Pass
38	24.5	4.2	26	0.087	1.000	0.087	Pass
41	27.0	4.2	26	0.155	1.000	0.155	Pass
42	26.5	3.06	26	0.106	1.000	0.106	Pass
43	24.5	2.46	26	0.058	1.000	0.058	Pass
48	22.5	3.46	26	0.046	1.000	0.046	Pass
66	24.5	2.51	26	0.059	1.000	0.059	Pass
70	24.5	3.51	26	0.074	1.000	0.074	Pass
71	24.5	-0.47	26	0.030	0.442	0.067	Pass

Note:

Maximum power is from MPE report of certified module, report no.: FA422321-02

NR Band	Maximum Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	*Ratio	Pass / Fail
2	25.0	2.51	26	0.066	1.000	0.066	Pass
5	24.6	-1.18	26	0.026	0.549	0.047	Pass
7	24.0	4.17	26	0.077	1.000	0.077	Pass
12	24.5	-0.71	26	0.028	0.466	0.060	Pass
13	24.5	-1.18	26	0.025	0.518	0.049	Pass
14	24.5	-0.18	26	0.032	0.525	0.061	Pass
25	25.00	2.51	26	0.066	1.000	0.066	Pass
26	24.6	-1.18	26	0.026	0.543	0.048	Pass
30	23.0	4.17	26	0.061	1.000	0.061	Pass
38	25.0	4.2	26	0.098	1.000	0.098	Pass
41	27.2	4.2	26	0.162	1.000	0.162	Pass
66	24.8	2.51	26	0.063	1.000	0.063	Pass
70	24.8	3.51	26	0.080	1.000	0.080	Pass
71	24.5	-0.47	26	0.030	0.442	0.067	Pass
77	27.5	3.26	26	0.140	1.000	0.140	Pass
78	27.5	3.06	26	0.134	1.000	0.134	Pass

Note:

Maximum power is from MPE report of certified module, report no.: FA422321-02

1.7 MPE EVALUATION OF SIMULTANEOUS TRANSMISSION

Non-beamforming mode

Mode	Max Ratio of Each Mode
2.4 GHz Wi-Fi	0.201
5 GHz Wi-Fi	0.206
6 GHz Wi-Fi	0.068
WWAN 5G NR	0.162
Sum	0.637
Limit	1
Pass / Fail	Pass

Beamforming mode

Mode	Max Ratio of Each Mode
2.4 GHz Wi-Fi	0.182
5 GHz Wi-Fi	0.201
6 GHz Wi-Fi	0.072
WWAN 5G NR	0.162
Sum	0.617
Limit	1
Pass / Fail	Pass

2 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan Hsiang. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

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St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
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Zhonghe

Tel: 886-2-2222-0288

1F, No. 6, Jiankang Road, Zhonghe
District, New Taipei City 235045,
Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

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