

MPE REPORT

Product name	Panel PC 平板電腦
Applicant	Qbic Technology Co., Ltd. 和暢科技股份有限公司
Manufacture	Qbic Technology Co., Ltd. 和暢科技股份有限公司
Rating(s)	DC12V from adapter
Trademark	Qbic
Model and/or type reference	TD-1060 Slim
Standard	LP0002:2018
Test Result	Pass

Date of receipt : 03-05-2020

Date of Issue : 03-17-2020

Signature :



MPE REPORT

Report Reference No...... M200305N5-06

Compiled by (+ signature) Kevin Bothmann

Approved by (+ signature) Jay Gandhi

Date of issue..... 2020-03-17

Applicant's name Qbic Technology Co., Ltd.

和暢科技股份有限公司

Address 26F.-12, No. 99, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City
22175, Taiwan

新北市汐止區新台五路一段 99 號 26 樓之 12 邮编：22175

Manufacture's Name Qbic Technology Co., Ltd.

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Test specification:
Standard LP0002: 2018 Section 5.20.2

Test procedure EIA 603、ANSI、FCC/47 CFR/2.1046、2.1047、2.1049、2.1051、2.1053
and 2.1055

Non-standard test method..... N/A

Test item description
Product name : Panel PC 平板電腦

Brand name : Qbic

Model and/or type reference : TD-1060 Slim

Rating(s) : DC12V from adapter

Testing Laboratory information
Testing Laboratory Name : Electro Magnetic Test, Inc.

Address : 1547 Plymouth Street, Mountain View, CA 94043

CAB Identifier Number : US0036

Tel : (650) 965-4000

Fax : (650) 965-3000

E-mail : jgandhi@emtlabs.com

Testing.....

Date of receipt of test item..... Mar. 05, 2020

Date (s) of performance of tests..... Mar. 05~ Mar. 16, 2020

Date of Issue Mar. 17, 2020

Test Result..... **Pass**

RF Exposure Compliance Requirement

1. Standard requirement

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess limit for maximum permissible exposure.

(a) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S)(mW/cm ²)	Averaging Times E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f)*	6
30-300	61.4	0.163	1	6
300-1500			F/300	6
1500-100000			5	6

(b) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S)(mW/cm ²)	Averaging Times E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/500	30
1500-100000			1	30

Note: f=frequency in MHz; *Plane-wave equivalent power density

2. MPE Calculation Method

$$E \text{ (V/m)} = (30 \cdot P \cdot G)^{0.5} / d \quad \text{Power Density: } Pd \text{ (W/m}^2\text{)} = E^2 / 377$$

E=Electric Field (V/m)

P=Peak RF output Power (W)

G=EUT Antenna numeric gain (numeric)

d= Separation distance between radiator and human body (m)

The formula can be changed to $Pd = (30 \cdot P \cdot G) / (377 \cdot d^2)$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained.

3. Calculated Result and Limit

For 2.4 G

Antenna Gain (dBi)	AVG Output Power (dBm)	AVG Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
-0.55	17.37	54.576	0.00957	1	Complies

For 5.15~5.25 GHz, 5.25~5.35 GHz, 5.470~5.725 GHz

Antenna Gain (dBi)	AVG Output Power (dBm)	AVG Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
1.99	14.92	31.046	0.00977	1	Complies

For 5.725~5.85 GHz

Antenna Gain (dBi)	AVG Output Power (dBm)	AVG Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
1.99	13.32	21.478	0.00676	1	Complies

** End of Report **