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| | RF Exposure Report |
| Report No.: | SA200330E01 |
| FCC ID: | H8NEAI2304P |
| Test Model: | EAI2304P |
| Received Date: | Mar. 30, 2020 |
| Test Date: | Apr. 24, 2020 |
| Issued Date: | May 18, 2020 |
| Applicant: | ASKEY COMPUTER CORP. |
| Address: | 10F, NO.119, JIANKANG RD., ZHONGHE DIST., NEW TAIPEI CITY 2358 TAIWAN, R.O.C. |
| Issued By: | Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory |
| Lab Address: | E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan |
| Test Location: | E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan |
| FCC Registration / Designation Number: | 723255 / TW2022 |
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In this report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification. The report must not be used by the client to claim product certification, approval, or endorsement by any government agencies.



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| Release Control Record | | | | | | |
|------------------------|-------------------|--|--|--|--------------|--|
| Issue No. | Description | | | | Date Issued | |
| SA200330E01 | Original release. | | | | May 18, 2020 | |
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Certificate of Conformity Product: Indoor AP Brand: ASKEY, T-Mobile Test Model: EAI2304P Sample Status: ENGINEERING SAMPLE Applicant: ASKEY COMPUTER CORP. Test Date: Apr. 24, 2020 Standards: FCC Part 2 (Section 2.1091) IEEE C95.3 -2002 References Test Guidance: KDB 447498 D01 General RF Exposure Guidance v06

The above equipment has been tested by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by

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elle Joyce Kuo / Specialist

, Date: May 18, 2020

Approved by

Date: May 18, 2020

Clark Lin / Technical Manager



2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

| Frequency Range (MHz) | 5 | | Power Density (mW/cm ²) | Average Time (minutes) | | | | | |
|--------------------------|---|--------|--|---------------------------|--|--|--|--|--|
| | Limits For General Population / Uncontrolled Exposure | | | | | | | | |
| 0.3-1.34 | 614 | 1.63 | (100)* | 30 | | | | | |
| 1.34-30 | 824/f | 2.19/f | (180/f²)* | 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

2.2 MPE Calculation Formula

 $Pd = (Pout^{*}G) / (4^{*}pi^{*}r^{2})$

where

 $Pd = power density in mW/cm^2$

Pout = 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

2.3 Classification

The antenna of this product, under normal use condition, is at least 45cm away from the body of the user. So, this device is classified as **Mobile Device**.



2.4 Antenna Gain

1. The antennas provided to the EUT, please refer to the following table:

| Antenna NO. | RF Chain NO. Antenna Net Gain(dBi) Frequency range Ar | | Antenna Type | Connector Type | | |
|----------------|--|------|---------------------|----------------|---------|--|
| WIFI 0 | chain0 | 4.5 | 2.4~2.4835GHz | Dipolo | R-SMA | |
| U | chain3 | 4.54 | 5.15~5.85GHz Dipole | | R-SIVIA | |
| | chain1 | 4.5 | 2.4~2.4835GHz | Dipole | R-SMA | |
| WIFI_1 | chain2 | 4.54 | 5.15~5.85GHz | Dipole | K-SIVIA | |
| | chain2 | 4.5 | 2.4~2.4835GHz | Dipole | R-SMA | |
| WIFI_2 | chain1 | 4.54 | 5.15~5.85GHz | Dipole | K-SIVIA | |
| WIFI_3 | chain3 | 4.5 | 2.4~2.4835GHz | Dinolo | R-SMA | |
| | chain0 | 4.54 | 5.15~5.85GHz | Dipole | π-οινιά | |



2.5 Calculation Result

| Operation Mode | Evaluation Frequency (MHz) | Maxn Avg. Power (mW) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm ²) | Limit (mW/cm ²) |
|----------------------|----------------------------------|----------------------------|-----------------------|------------------|--|--------------------------------|
| WLAN (2.4GHz) | 2437 | 978.061 | 10.52 | 45 | 0.43324 | 1 |
| WLAN 5GHz U-NII-1 | 5230 | 714.126 | 10.56 | 45 | 0.31926 | 1 |
| WLAN 5GHz U-NII-3 | 5825 | 991.459 | 10.56 | 45 | 0.44324 | 1 |

NOTE:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2. 2.4GHz: The directional gain = $10 \log[(10^{G0/20} + 10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 4] = 10.52 dBi$

3. 5GHz: The directional gain = $10 \log[(10^{G0/20} + 10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2/4] = 10.56 dBi$

For WWAN module < Worst Case> FCC ID: RI7LM960

| Operation | Erequency Power | | Antenna Gain | Distance | Power Density | Limit |
|-----------|-----------------|-----|--------------|----------|-----------------------|-----------------------|
| Mode | | | (dBi) | (cm) | (mW/cm ²) | (mW/cm ²) |
| LTE B5 CA | 836.5 | 708 | 0.50 | 45 | 0.03122 | 0.5498 |

Conclusion:

The formula of calculated the MPE is: CPD1 / LPD1 + CPD2 / LPD2 +etc. < 1 CPD = Calculation power density LPD = Limit of power density

WLAN 2.4GHz + WLAN 5GHz+ LTE B5 CA =0.43324 / 1 + 0.44324 / 1 + 0.03122 / 0.5498 = 0.93326Therefore the maximum calculations of above situations are less than the "1" limit.



Appendix

For WWAN module (Model: LM960, FCC ID: RI7LM960)

| Operation Mode | Evaluation Frequency (MHz) | Max Avg. Power (mW) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm ²) | Limit (mW/cm ²) | Ratio |
|-------------------|----------------------------------|---------------------------|--------------------------|------------------|---|--------------------------------|---------|
| LTE B2 | 1850.7 | 232.274 | 1.80 | 45 | 0.01382 | 1 | 0.01382 |
| LTE B4 | 1717.5 | 257.04 | 2.71 | 45 | 0.01885 | 1 | 0.01885 |
| LTE B5 | 836.5 | 254.097 | 0.50 | 45 | 0.01120 | 0.5498* | 0.02037 |
| LTE B12 | 700.5 | 220.8 | 0.40 | 45 | 0.00951 | 0.46647* | 0.02039 |
| LTE B25 | 1907.5 | 233.884 | 1.80 | 45 | 0.01391 | 1 | 0.01391 |
| LTE B26 | 841.5 | 206.063 | 0.93 | 45 | 0.01003 | 0.54313* | 0.01847 |
| LTE B41 | 2506 | 472.063 | 1.20 | 45 | 0.02445 | 1 | 0.02445 |
| LTE B66 | 1712.5 | 250.611 | 2.71 | 45 | 0.01838 | 1 | 0.01838 |
| LTE B71 | 688 | 242.103 | 0.40 | 45 | 0.01043 | 0.442* | 0.02360 |
| LTE B5 CA | 836.5 | 708 | 0.50 | 45 | 0.03122 | 0.5498* | 0.05678 |
| LTE B41 CA | 2506 | 525 | 1.20 | 45 | 0.02720 | 1 | 0.02720 |

Note: *Limit of Power Density = F/1500

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