



FCC CERTIFICATION REPORT

Canada ISED ICES-003 TEST REPORT

Test Report No. : MH/2018/40078

Applicant : Quanta Computer Inc.

Address : No.188, Wenhua 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C.)

Manufacturer : Quanta Computer Inc.

Address : No.188, Wenhua 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C.)

Equipment Under Test (EUT) :

Product Name : QTAX53

Brand Name : N/A

Model No. : QTAX53

Added Model(s) : N/A

Standards : FCC Part 15:2017, Subpart B, Class B
Canada ICES-003 Issue 6(June 2016), Class B

Date of Receipt : Apr. 16, 2018

Date of Test : Apr. 16 ~ 18, 2018

Date of Issue : Apr. 27, 2018

| | |
|---------------|------|
| Test Result : | PASS |
|---------------|------|

In the configuration tested, the EUT complied with the standards specified above.

Remarks :

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report shall not be reproduced except in full, without the written approval of the laboratory. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

Tested By:

Thomas Liu

Date:

Apr. 27, 2018

Thomas Liu (Engineer)

Approved By:

Bill Cheng

Date:

Apr. 27, 2018

Bill Cheng (Section Manager)



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Revision History

| Report Number | Revision | Description | Issue Date |
|---------------|----------|------------------------------|---------------|
| MH/2018/40078 | Rev.00 | Initial creation of document | Apr. 27, 2018 |
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1. General Information

1.1 Applicant & Manufacturer Information

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Manufacturer : Quanta Computer Inc.
Address : No.188, Wenhua 2nd Rd., Guishan Dist., Taoyuan City 33377,
Taiwan (R.O.C.)

1.2 General Description of EUT

Product Name : QTAX53
Brand Name : N/A
Model No. : QTAX53
Added Model(s) : N/A
Model Difference : N/A

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1.3 Details of EUT

| | | |
|-----------------------------|---|---------------------|
| Power Supply | AC100~240V | |
| Highest operate description | 1.094GHz | |
| Adapter | PIE | AD2083320 |
| Adapter Power Rating | I/P: 100-240VAC, 50-60Hz, 0.2A O/P: 5VDC, 1.2A | |
| DC Power Cable Type | Unshielded, 0.8m (Detachable) at Power Adapter | |
| Memory | 4GB | |
| eMMC | 6GB | |
| CPU | QCT | MSM8909W (1.094GHz) |
| LCD Panel | ADT | H130BLK01.3 |
| Battery | EVE | B672426GP01 |
| USB Cradle | PIC | P82131A-17 |
| WLAN+BT | QCT | WCN3620 |
| GPS | QCT | WTR2965 |

Pre-test Mode

Mode 1: PC Link+USB Dock+Video Play

Mode 2: Adapter+USB Dock+Video Play

Mode 3: Watch Only+Video Play

1.4 The worst case of the EUT

EUT will be carried out in the worst case as followings:

| Worst Case | |
|------------|---------------|
| CE | Mode 2 |
| RE | Mode 1 |

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1.5 Description of Support Units

Mode 1, 2:

| PRODUCT | MANUFACTURER | MODEL NO. | SERIAL NO. |
|----------|--------------|----------------|--------------|
| Mouse | Logitech | M-U0026 | 1738HS05FGU8 |
| Notebook | DELL | Latitude E6440 | 3VGS162 |
| Printer | HP | VCVRA-1004 | CN33K19J3F |

Support Equipment Used in Tested Cable

Mode 1, 2:

| Cable Type | Core | Length | Shielding/Non-shielding |
|----------------------|------|--------|-------------------------|
| Mouse USB cable(2) | N/A | 1.8m | Non-shielding |
| Printer USB cable(3) | N/A | 1.8m | Non-shielding |

1.6 Operation Procedure

Mode 1:

1. Notebook Installation ADB Driver EUT link PC.
2. Notebook executes customer-supplied test program.
3. Set continuous play video.
4. Start testing.

Mode 2:

1. Set continuous play video.
2. Charger USB cable connected to adapter charging
3. Start testing.

1.7 Modification List

No modification was made by SGS Taiwan Electronics & Communication Laboratory.

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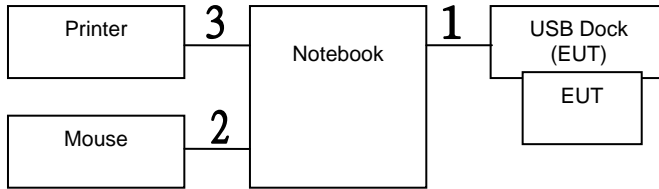
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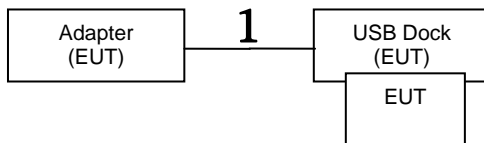


1.8 Test Set-Up Configuration

Mode 1 (RE, HRE)



Mode 2 (CE)



1.9 Accessories Cable List

See clause 1.3 of this report

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1.10 Measurement Procedure

Conducted Emission Testing was performed according to ANSI C63.4:2014 in a shielded room with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded room wall.

Radiated Emission Testing was performed according to ANSI C63.4:2014 at the 3/10m semi-anechoic chamber. The EUT was placed on a 0.8m high table along with the peripherals. The turn table was placed 10m distance from the antenna. Cables were placed in a position to produce maximum emissions as determined by experimentation, and operation mode was selected for production of maximum emission.

The frequencies and amplitudes of maximum emission were measured at varying azimuths, antenna heights and antenna polarities. Maximum emission levels are then reported.

1.11 Standards Applicable for Testing

Tests to be carried out under FCC Part 15, Subpart B/CISPR 22

| Test Standards | Status |
|-------------------------|--------------|
| FCC Part 15, Subpart B | Applicable |
| Deviation from Standard | No deviation |

1.12 Summary of Results

| Highest Emission | | | | | |
|---|--------------------|--------|------------|----------------|--------------|
| Standard | Test Type | Result | Phase/Pol. | Frequency(MHz) | Margin(dB) |
| FCC Part 15 Subpart B Class B Canada ICES-003 Issue 6 (June 2016), Class B | Conducted Emission | PASS | Line | 0.3500 | -18.42 (AVG) |
| | | | Neutral | 0.1540 | -17.96 (QP) |
| | Radiated Emission | PASS | Ver. | 88.0660 | -8.25 (QP) |

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2. EMISSION

2.1 Test Results

| | Results |
|--------------------|---------|
| Conducted Emission | Pass |
| Radiated Emission | Pass |

2.2 Frequency Range

FCC Part 15, Subpart B:

Conducted Emission : 150 kHz - 30 MHz

Radiated Emission : See below table

Highest frequency generated or Upper frequency of measurement
used in the device or on which the range (MHz)
device operates or tunes (MHz)

| | |
|-------------|--|
| Below 1.705 | 30 |
| 1.705 - 108 | 1000 |
| 108 - 500 | 2000 |
| 500 - 1000 | 5000 |
| Above 1000 | 5th harmonic of the highest frequency or 40 GHz, whichever is lower |

2.3 Limits of Conducted and Radiated Emission

2.3.1 Limits of Conducted Emission

FCC Part 15, Subpart B/CISPR 22:

| FREQUENCY (MHz) | Class A (dBuV) | | Class B (dBuV) | |
|--------------------|----------------|---------|----------------|---------|
| | Quasi - peak | Average | Quasi - peak | Average |
| 0.15 - 0.5 | 79 | 66 | 66 - 56 | 56 - 46 |
| 0.50 - 5.0 | 73 | 60 | 56 | 46 |
| 5.0 - 30.0 | 73 | 60 | 60 | 50 |

Note : (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected there to, shall not exceed the level of field strengths specified above.

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2.3.2 Limits of Radiated Emissions

FCC Part 15, Subpart B Limit:

- Detector Function : Quasi – Peak

| FREQUENCY (MHz) | Class A (at 10m) | Class B (at 3m) |
|--------------------|------------------|-----------------|
| | dBuV/m | dBuV/m |
| 30~88 | 39 | 40 |
| 88~216 | 43.5 | 43.5 |
| 216~960 | 46.44 | 46 |
| Above 960 | 49.54 | 54 |

- Detector Function : Peak , Average

| FREQUENCY (MHz) | Class A (dBuV/m) (at 3m) | | Class B (dBuV/m) (at 3m) | |
|---------------------|--------------------------|---------|--------------------------|---------|
| | Peak | Average | Peak | Average |
| Above 1000-18000 | 79.3 | 59.3 | 73.9 | 53.9 |

CISPR 22 Limit:

- Detector Function : Quasi – Peak

| FREQUENCY (MHz) | Class A (at 10m) | Class B (at 10m) |
|--------------------|------------------|------------------|
| | dBuV/m | dBuV/m |
| 30-230 | 40 | 30 |
| 230-1000 | 47 | 37 |

NOTE 1 The lower limit shall apply at the transition frequency.

NOTE 2 Additional provisions may be required for cases where interference occurs.

| FREQUENCY (GHz) | Class A (dBuV/m) (at 3m) | | Class B (dBuV/m) (at 3m) | |
|--------------------|--------------------------|------|--------------------------|------|
| | Average | Peak | Average | Peak |
| 1~3 | 56 | 76 | 50 | 70 |
| 3~6 | 60 | 80 | 54 | 74 |

NOTE The lower limit applies at the transition frequency.

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2.4. Test of Conducted Emission

2.4.1 Test Equipments

| SGS Conducted Emission HWAYA Conducted Room No.A EMC | | | | | |
|--|----------------------|--------------------|---------------|------------------|-----------------|
| EQUIPMENT TYPE | Manufacturer | Model Number | Serial Number | Calibration Date | Calibration Due |
| EMI Test Receiver | R&S | ESCI 3 | 101311 | 2017/6/23 | 2018/6/22 |
| Coaxial Cables | EMC Instruments Corp | EMCRG58-BM-BM-3000 | 160812 | 2017/8/12 | 2018/8/11 |
| LISN | SCHWARZBECK | NSLK 8127 | 8127-648 | 2017/6/18 | 2018/6/17 |
| Pulse Limiter | Narda S.T.S. | PMM PL01 | 1110X30602 | 2017/8/12 | 2018/8/11 |
| LISN | Schwarzbeck | NSLK 8128 | NSLK8128-300 | 2017/9/4 | 2018/9/3 |
| ISN | TESEQ | ISN T800 | 34384 | 2018/4/9 | 2019/4/8 |
| Test S/W | Farad | EZ-EMC | Ver. SGS-03A2 | N.C.R. | N.C.R. |

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 Measurement Uncertainty of Conducted Emission
 Expanded uncertainty U_{lab}(K=2) of conducted emission is 2.25 dB
 Expanded uncertainty U_{lab}(K=2) of ISN conducted emission is 2.57 dB
 Theory values uncertainty U_{cispr} 16-4-2 :2011+A1_2014 (K=2) of AC mains conducted Emission is 3.44dB
 Theory values uncertainty U_{cispr} 16-4-2 :2011+A1_2014 (K=2) of ISN conducted Emission is 4.59dB

2.4.2 Operating Environment

Temperature : 21 degree C

Humidity : 55%RH

Atmospheric Pressure : 992 mBar

2.4.3 Measurement Level Calculation

Factor = LISN insertion loss + Cable loss+ Pulse Limiter Insertion Loss

Measurement Level = Reading Level + Factor

Over (Margin) = Measurement Level – Limit

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2.4.4 Measurement Data:

Model No.: QTAX53

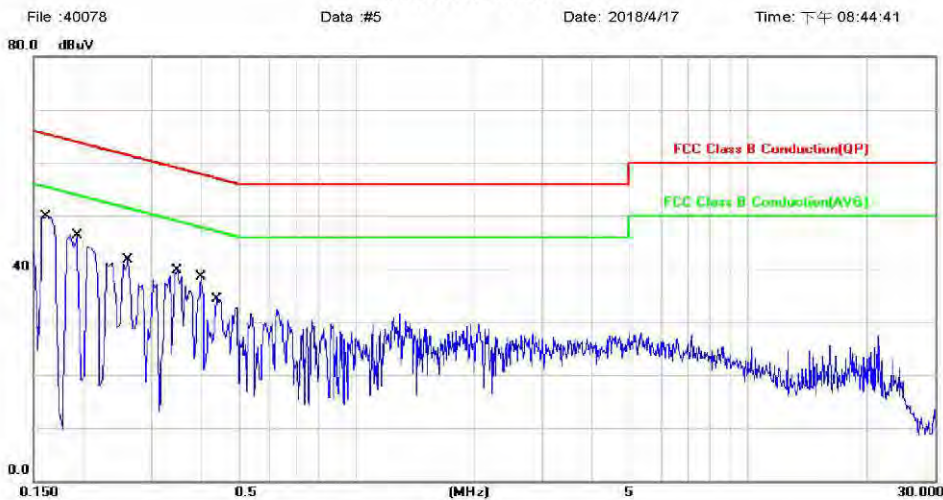
Mode_2_L

Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Mode 2
Note:

Phase: L1
Power: AC 120V/60Hz

Temperature: 21 °C
Humidity: 55 %

Conducted Emission



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|--------|---------------|----------------|-------------|-------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | | 0.1620 | 45.40 | 0.04 | 45.44 | 65.36 | -19.92 | QP | |
| 2 | | 0.1620 | 31.00 | 0.04 | 31.04 | 55.36 | -24.32 | AVG | |
| 3 | | 0.1940 | 41.10 | 0.03 | 41.13 | 63.86 | -22.73 | QP | |
| 4 | | 0.1940 | 26.00 | 0.03 | 26.03 | 53.86 | -27.83 | AVG | |
| 5 | | 0.2620 | 36.30 | 0.03 | 36.33 | 61.37 | -25.04 | QP | |
| 6 | | 0.2620 | 24.60 | 0.03 | 24.63 | 51.37 | -26.74 | AVG | |
| 7 | | 0.3500 | 37.80 | 0.04 | 37.84 | 58.96 | -21.12 | QP | |
| 8 * | | 0.3500 | 30.50 | 0.04 | 30.54 | 48.96 | -18.42 | AVG | |
| 9 | | 0.4020 | 30.10 | 0.04 | 30.14 | 57.81 | -27.67 | QP | |
| 10 | | 0.4020 | 20.60 | 0.04 | 20.64 | 47.81 | -27.17 | AVG | |
| 11 | | 0.4420 | 30.40 | 0.04 | 30.44 | 57.02 | -26.58 | QP | |
| 12 | | 0.4420 | 21.40 | 0.04 | 21.44 | 47.02 | -25.58 | AVG | |

*:Maximum data x:Over limit !:over margin

File : 40078\Data : #5

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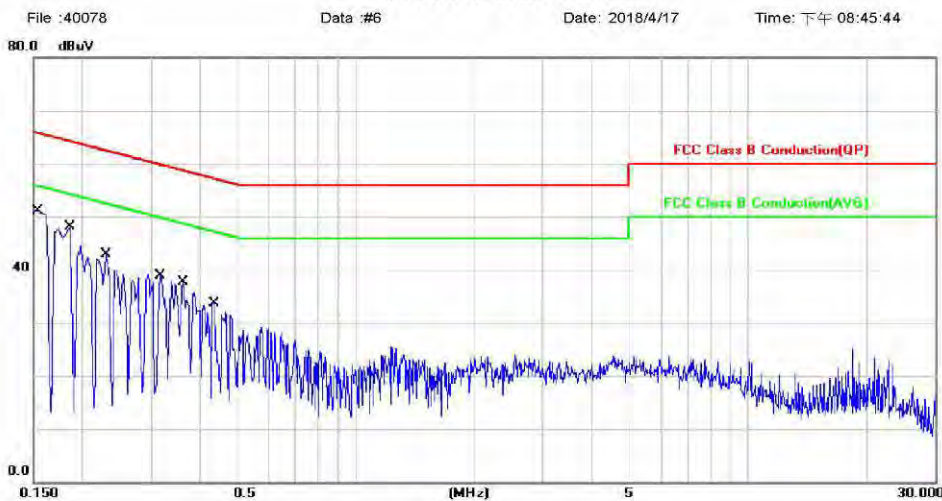
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Mode_2_N

Site : Conduction Room Phase: **N** Temperature: 21 °C
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %
 Mode: Mode 2
 Note:

Conducted Emission



| No. | Mk. | Freq. | Reading | Correct | Measure- | Limit | Over | | |
|-----|-----|--------|---------|---------|----------|-------|--------|----------|---------|
| | | MHz | dBuV | Factor | ment | dBuV | dB | Detector | Comment |
| 1 | * | 0.1540 | 47.70 | 0.12 | 47.82 | 65.78 | -17.96 | QP | |
| 2 | | 0.1540 | 31.50 | 0.12 | 31.62 | 55.78 | -24.16 | AVG | |
| 3 | | 0.1860 | 42.70 | 0.11 | 42.81 | 64.21 | -21.40 | QP | |
| 4 | | 0.1860 | 26.80 | 0.11 | 26.91 | 54.21 | -27.30 | AVG | |
| 5 | | 0.2300 | 38.20 | 0.11 | 38.31 | 62.45 | -24.14 | QP | |
| 6 | | 0.2300 | 22.50 | 0.11 | 22.61 | 52.45 | -29.84 | AVG | |
| 7 | | 0.3180 | 33.60 | 0.12 | 33.72 | 59.76 | -26.04 | QP | |
| 8 | | 0.3180 | 19.60 | 0.12 | 19.72 | 49.76 | -30.04 | AVG | |
| 9 | | 0.3620 | 34.40 | 0.12 | 34.52 | 58.68 | -24.16 | QP | |
| 10 | | 0.3620 | 24.20 | 0.12 | 24.32 | 48.68 | -24.36 | AVG | |
| 11 | | 0.4340 | 30.40 | 0.12 | 30.52 | 57.18 | -26.66 | QP | |
| 12 | | 0.4340 | 17.40 | 0.12 | 17.52 | 47.18 | -29.66 | AVG | |

*:Maximum data x:Over limit l:over margin

File : 40078\Data : #6

Page: 1

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2.5 Test of Radiated Emission

2.5.1 Test Equipments

Below 1GHz

| SGS Radiated_Below_1GHz HWAYA 10m_EMC | | | | | |
|---------------------------------------|-----------------------|-----------------|---------------|------------------|-----------------|
| EQUIPMENT TYPE | Manufacturer | Model Number | Serial Number | Calibration Date | Calibration Due |
| EMI Test Receiver | R&S | ESCI 7 | 100950 | 2017/12/12 | 2018/12/11 |
| EMI Test Receiver | R&S | ESCI 3 | 101343 | 2018/1/31 | 2019/1/30 |
| Broadband Antenna | SCHWAZBECK | VULB9168 | 9168-628 | 2017/9/8 | 2018/9/7 |
| Broadband Antenna | SCHWAZBECK | VULB9168 | 9168-629 | 2017/9/12 | 2018/9/11 |
| Pre Amplifier | EMC Instruments Corp. | EMC330 | 980178 | 2018/3/31 | 2019/3/30 |
| Pre Amplifier | EMC Instruments Corp. | EMC330 | 980179 | 2018/3/31 | 2019/3/30 |
| Coaxial Cable | EMC Instruments | EMCCFD400-NM-NM | 150917 | 2017/9/18 | 2018/9/17 |
| Coaxial Cable | EMC Instruments | EMCCFD400-NM-NM | 150919 | 2017/9/18 | 2018/9/17 |
| Coaxial Cable | EMC Instruments | EMCCFD400-NM-NM | 150820 | 2017/9/18 | 2018/9/17 |
| Coaxial Cable | EMC Instruments | EMCCFD400-NM-NM | 150918 | 2017/9/18 | 2018/9/17 |
| Coaxial Cable | EMC Instruments | EMCCFD400-NM-NM | 150821 | 2017/9/18 | 2018/9/17 |
| Coaxial Cable | EMC Instruments | EMCCFD400-NM-NM | 150822 | 2017/9/18 | 2018/9/17 |
| Radio Communication Analyzer | Anritsu | MT8820C | 6201465315 | 2017/12/10 | 2018/12/9 |
| Controller | MF | MF-7802 | N/A | N.C.R. | N.C.R. |
| Controller | MF | MF-7802 | N/A | N.C.R. | N.C.R. |
| Antenna Master | MF | N/A | N/A | N.C.R. | N.C.R. |
| Antenna Master | MF | N/A | N/A | N.C.R. | N.C.R. |
| Antenna Master | MF | N/A | N/A | N.C.R. | N.C.R. |
| Turn Table | MF | N/A | N/A | N.C.R. | N.C.R. |
| Site NSA | Chance Most | 10M Chamber | 10M SAC | 2017/12/31 | 2018/12/30 |
| Test S/W | Farad | EZ-EMC | Ver. SGS-03A2 | N.C.R. | N.C.R. |

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Measurement Uncertainty of Radiated Emission

Expanded uncertainty U_{lab} (K=2) of radiated emission is 4.09 dB. (30MHz ~ 1000MHz)

Theory values uncertainty U_{cispr} 16-4-2:2011+A1:2014

(K=2) of radiated emission is 5.22 dB. (30MHz ~ 1000MHz)

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Above 1GHz

| SGS Radiated_Above_1GHz HWAYA 966A_EMC | | | | | |
|--|-----------------------|------------------|---------------|------------------|-----------------|
| EQUIPMENT TYPE | Manufacturer | Model Number | Serial Number | Calibration Date | Calibration Due |
| Spectrum Analyzer | R&S | FSV 40 | 100979 | 2017/12/21 | 2018/12/20 |
| EMI Test Receiver | R&S | ESR 7 | 101459 | 2018/2/21 | 2019/2/20 |
| Horn Antenna | SCHWARZBECK | BBHA9120D | BBHA9120D673 | 2017/10/16 | 2018/10/15 |
| Horn Antenna | Schwarzbeck | BBHA9170 | BBHA9170-184 | 2017/12/12 | 2018/12/11 |
| Pre Amplifier | EMC Instruments Corp. | EMC012645B | 980216 | 2017/4/25 | 2018/4/24 |
| Pre Amplifier | EMC Instruments Corp. | EMC184045B | 980135 | 2017/10/27 | 2018/10/26 |
| Coaxial Cable | JUNFLOW | MWX221-NMSNMS | J0778929 | 2017/4/23 | 2018/4/22 |
| Coaxial Cable | Huber+Suhner | SUCCOFLEX 104PEA | 30255/4PEA | 2017/4/23 | 2018/4/22 |
| Coaxial Cable | EMC Instruments | EMC104-SM-SM | 140927 | 2017/4/23 | 2018/4/22 |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 102 | MY 2152/2 | 2017/6/5 | 2018/6/4 |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 102 | MY 2153/2 | 2017/6/5 | 2018/6/4 |
| Controller | MF | MF-7802 | N.C.R. | N.C.R. | N.C.R. |
| Antenna Master | MF | N/A | N/A | N.C.R. | N.C.R. |
| Turn Table | MF | N/A | N/A | N.C.R. | N.C.R. |
| Site VSWR | SGS | 966 Chamber A | SAC-A | 2018/1/12 | 2019/1/11 |
| Test S/W | Farad | EZ-EMC | Ver. SGS-03A2 | N.C.R. | N.C.R. |

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 Measurement Uncertainty of Radiated Emission
 Expanded uncertainty (k=2) of radiated emission measurement is 5.05 dB. (1-6GHz)
 Expanded uncertainty (k=2) of radiated emission measurement is 5.07 dB. (6-18GHz)
 Expanded uncertainty Ulab (k=2) of radiated emission measurement is 5.19 dB. (18-26GHz)
 Expanded uncertainty Ulab (k=2) of radiated emission measurement is 5.14 dB. (26-40GHz)
 Theory values uncertainty Ucispr 16-4-2:2011+A1:2014 (K=2) of radiated emission measurement is 5.18 dB.(1-6GHz)
 Theory values uncertainty Ucispr 16-4-2:2011+A1:2014 (K=2) of radiated emission measurement is 5.48 dB.(6-18GHz)
 Theory values uncertainty Ucispr 16-4-2:2011+A1:2014 (K=2) of radiated emission measurement is ---- dB.(18-26GHz)
 Theory values uncertainty Ucispr 16-4-2:2011+A1:2014 (K=2) of radiated emission measurement is ---- dB.(26-40GHz)

2.5.2 Operating Environment

Temperature : 20 degree C

Humidity : 52 %RH

Atmospheric Pressure : 996 mBar

2.5.3 Measurement Level Calculation

Correction Factor = Antenna Factor + Cable loss- Amplifier Gain

Measurement Level = Reading Level + Correction Factor

Over (Margin) = Measurement Level – Limit

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2.5.4 Measurement Data

Below 1GHz

Model No.: QTAX53

Mode_1_H

Site: SGS 10m Chamber
Limit: CISPR22 Class B 10M Radiation
Mode: Mode_1
Note: PC Link+USB Dock+Video Play

Polarization: **Horizontal**
Power: From System
Distance: 10m

Temperature: 20 °C
Humidity: 52 %

Radiated Emission



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB/m | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|---------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | | 63.9500 | 25.99 | -12.71 | 13.28 | 30.00 | -16.72 | QP | |
| 2 | * | 88.0700 | 37.18 | -17.33 | 19.85 | 30.00 | -10.15 | QP | |
| 3 | | 146.4000 | 24.22 | -11.42 | 12.80 | 30.00 | -17.20 | QP | |
| 4 | | 256.9800 | 28.87 | -12.13 | 16.74 | 37.00 | -20.26 | QP | |
| 5 | | 924.3400 | 23.60 | 1.38 | 24.98 | 37.00 | -12.02 | QP | |
| 6 | | 980.6000 | 23.81 | 1.69 | 25.50 | 37.00 | -11.50 | QP | |

*:Maximum data x:Over limit !:over margin

File: MH-2018-40078\Data: #8

Page: 1

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Mode_1_V

Site: SGS 10m Chamber
 Limit: CISPR22 Class B 10M Radiation
 Mode: Mode_1
 Note: PC Link+USB Dock+Video Play

Polarization: **Vertical**
 Power: From System
 Distance: 10m

Temperature: 20 °C
 Humidity: 52 %

Radiated Emission



| No. | Mk. | Freq. | Reading | Correct | Measure- | Limit | Over | | |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
| | | MHz | Level | Factor | ment | | | Detector | Comment |
| | | | dBuV | dB/m | dBuV/m | dBuV/m | dB | | |
| 1 | | 38.9280 | 30.06 | -11.61 | 18.45 | 30.00 | -11.55 | QP | |
| 2 | | 51.1900 | 31.02 | -10.79 | 20.23 | 30.00 | -9.77 | QP | |
| 3 | * | 88.0660 | 38.68 | -16.93 | 21.75 | 30.00 | -8.25 | QP | |
| 4 | | 153.1900 | 23.94 | -10.73 | 13.21 | 30.00 | -16.79 | QP | |
| 5 | | 946.6500 | 22.78 | 1.48 | 24.26 | 37.00 | -12.74 | QP | |
| 6 | | 992.2400 | 23.07 | 1.66 | 24.73 | 37.00 | -12.27 | QP | |

*:Maximum data x:Over limit !:over margin

File: MH-2018-40078\Data: #7

Page: 1

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Above 1GHz

Model No.: QTAX53

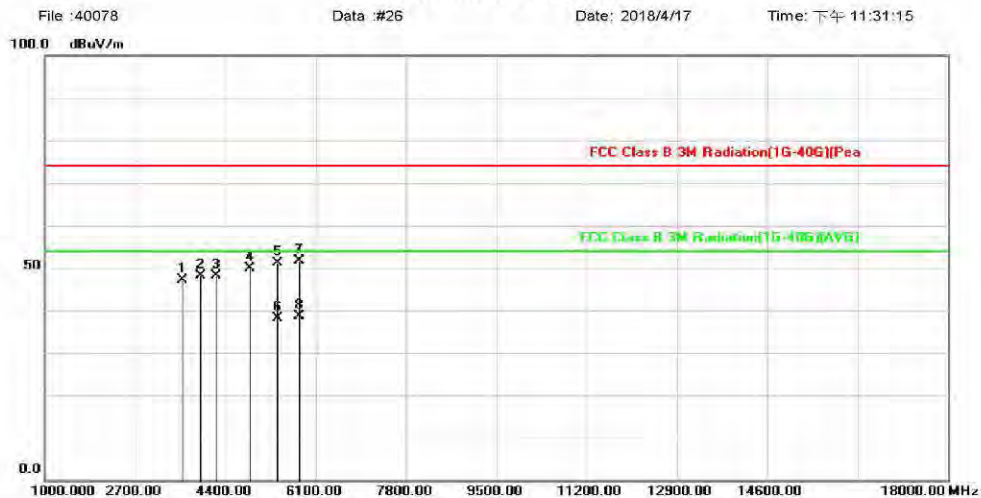
Mode_1_H

Site: SGS 966 Chamber A
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea
 Mode: Mode 1
 Note:

Polarization: **Horizontal**
 Power: From NB
 Distance:

Temperature: 21 °C
 Humidity: 65 %

Radiated Emission



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB/m | Measurement dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|-----------|--------------------|---------------------|--------------------|--------------|---------|----------|---------|
| 1 | | 3584.000 | 58.44 | -11.25 | 47.19 | 74.00 | -26.81 | peak | |
| 2 | | 3941.000 | 57.94 | -9.75 | 48.19 | 74.00 | -25.81 | peak | |
| 3 | | 4230.000 | 57.59 | -9.44 | 48.15 | 74.00 | -25.85 | peak | |
| 4 | | 4859.000 | 57.82 | -7.83 | 49.99 | 74.00 | -24.01 | peak | |
| 5 | | 5386.000 | 58.00 | -6.89 | 51.11 | 74.00 | -22.89 | peak | |
| 6 | | 5386.000 | 45.00 | -6.89 | 38.11 | 54.00 | -15.89 | AVG | |
| 7 | | 5794.000 | 57.62 | -6.09 | 51.53 | 74.00 | -22.47 | peak | |
| 8 | * | 5794.000 | 44.77 | -6.09 | 38.68 | 54.00 | -15.32 | AVG | |

*:Maximum data x:Over limit l:over margin

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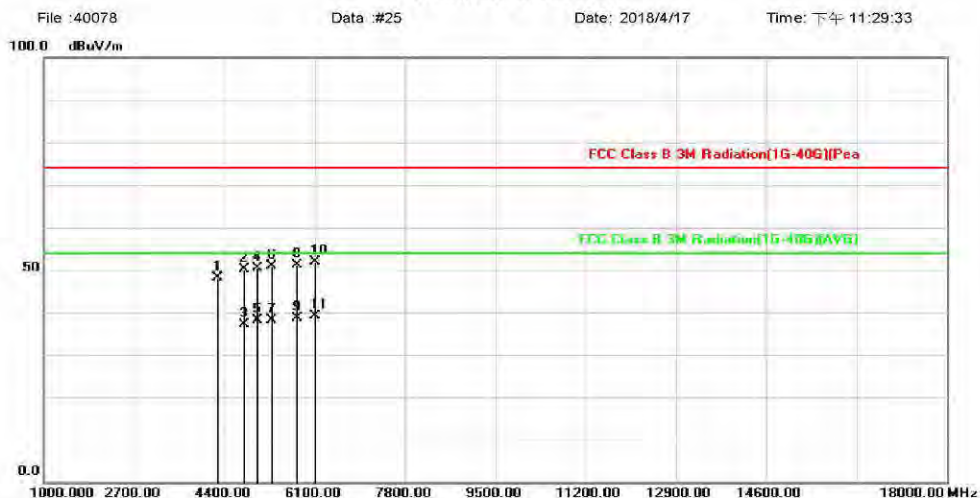
Mode_1_V

Site: SGS 966 Chamber A
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea
 Mode: Mode 1
 Note:

Polarization: **Vertical**
 Power: From NB
 Distance:

Temperature: 21 °C
 Humidity: 65 %

Radiated Emission



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB/m | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|---------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | | 4264.000 | 57.64 | -9.45 | 48.19 | 74.00 | -25.81 | peak | |
| 2 | | 4774.000 | 58.27 | -8.21 | 50.06 | 74.00 | -23.94 | peak | |
| 3 | | 4774.000 | 45.34 | -8.21 | 37.13 | 54.00 | -16.87 | AVG | |
| 4 | | 5029.000 | 57.63 | -7.18 | 50.45 | 74.00 | -23.55 | peak | |
| 5 | | 5029.000 | 45.23 | -7.18 | 38.05 | 54.00 | -15.95 | AVG | |
| 6 | | 5301.000 | 57.93 | -6.96 | 50.97 | 74.00 | -23.03 | peak | |
| 7 | | 5301.000 | 45.10 | -6.96 | 38.14 | 54.00 | -15.86 | AVG | |
| 8 | | 5777.000 | 57.35 | -6.14 | 51.21 | 74.00 | -22.79 | peak | |
| 9 | | 5777.000 | 44.69 | -6.14 | 38.55 | 54.00 | -15.45 | AVG | |
| 10 | | 6100.000 | 56.87 | -4.92 | 51.95 | 74.00 | -22.05 | peak | |
| 11 | * | 6100.000 | 43.94 | -4.92 | 39.02 | 54.00 | -14.98 | AVG | |

*:Maximum data x:Over limit l:over margin

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**** End of Report ****

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