



FCC Part 15B TEST REPORT

Report No.: STS2006255E01

Issued for

XTRATECH COMPUTERS S.A

Ciudadela Profesor Aguirre Abad, solar 40, manzana 118,
Guayaquil, Ecuador.

| | |
|-----------------------|-------------------------------|
| Product Name: | Tablet PC |
| Brand Name: | XTRATECH |
| Model Name: | X8MT87 |
| Series Model: | N/A |
| FCC ID: | 2ADVA-X8MT87 |
| Test Standard: | FCC 47 CFR Part 15: Subpart B |

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**TEST RESULT CERTIFICATION****Applicant's Name** XTRATECH COMPUTERS S.AAddress Ciudadela Profesor Aguirre Abad, solar 40, manzana 118,
Guayaquil, Ecuador.**Manufacture's Name** Shenzhen Jilicheng Technology Co.,LtdAddress 2ND FLOOR, BLOCK A6, DONGHUAN INCUSTRIAL PARK,
NO.293, NANPU ROAD, SHANGLIAO COMMUNITY, XINQIAO
STREET, BAOAN DISTRICT, SHENZHEN, China.**Product Description**

Product Name Tablet PC

Brand Name XTRATECH

Model Name X8MT87

Series Model N/A

Standards FCC 47 CFR Part 15: Subpart B

Test Procedure ANSI C63.4-2014

This device described above has been tested by STS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test

Date of Performance of Tests 17 June. 2020~22 June. 2020

Date of Issue 23 June. 2020

Test Result **Pass**

Compiled by

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Table of Contents

| | |
|---|-----------|
| 1. SUMMARY OF THE TEST RESULTS | 5 |
| 1.1 TEST FACTORY | 5 |
| 1.2 MEASUREMENT UNCERTAINTY | 5 |
| 2. GENERAL INFORMATION | 6 |
| 2.1 GENERAL DESCRIPTION OF THE EUT | 6 |
| 2.2 DESCRIPTION OF THE TEST MODES | 8 |
| 2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF THE SYSTEM TESTED | 9 |
| 2.4 DESCRIPTION OF THE SUPPORT UNITS | 10 |
| 2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS | 11 |
| 3. EMC EMISSION TEST | 12 |
| 3.1 CONDUCTED EMISSION MEASUREMENT | 12 |
| 3.2 RADIATED EMISSION MEASUREMENT | 16 |

**Revision History**

| Rev. | Issue Date | Report No. | Effect Page | Contents |
|------|---------------|---------------|-------------|---------------|
| 00 | 23 June. 2020 | STS2006255E01 | ALL | Initial Issue |
| | | | | |





1. SUMMARY OF THE TEST RESULTS

Test procedures according to the technical standards:

| EMISSION | | | |
|------------------------------|--------------------|--------|--------------------|
| Standard | Item | Result | Remarks |
| FCC 47 CFR Part 15 Subpart B | Conducted Emission | PASS | Meet Class B limit |
| | Radiated Emission | PASS | Meet Class B limit |

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report

1.1 TEST FACTORY

| | |
|-------------------|---|
| Company Name: | SHENZHEN STS TEST SERVICES CO.,LTD. |
| Address: | A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China |
| Telephone: | +86-755 3688 6288 |
| Fax: | +86-755 3688 6277 |
| Registration No.: | FCC test Firm Registration Number: 625569 |
| | IC test Firm Registration Number: 12108A |
| | A2LA Certificate No.: 4338.01 |

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 % .

| No. | Item | Uncertainty |
|-----|--|-------------|
| 1 | Conducted Emission (9KHz-150KHz) | ±3.37dB |
| 2 | Conducted Emission (150KHz-30MHz) | ±3.83dB |
| 3 | All emissions, radiated(<1G) 30MHz-1000MHz | ±5.6dB |
| 4 | All emissions, radiated(>1G) 1GHz-6GHz | ±5.5dB |
| 5 | All emissions, radiated(>1G) 6GHz-26GHz | ±5.8dB |



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

| | | |
|---------------------|--|--|
| Product Name | Tablet PC | |
| Brand Name | XTRATECH | |
| Model Name | X8MT87 | |
| Series Model | N/A | |
| Product Differences | N/A | |
| Frequency Bands | LTE | Band 2: 1850.7~1909.3MHz Band 4: 1710.7~1754.3MHz |
| | WLAN | 2.4GHz IEEE 802.11b/g/n(HT20):2412~2462MHz 2.4GHz IEEE 802.11n(HT40):2422~2452MHz 5GHz IEEE 802.11a/n/ac(20MHz): 5180~5240MHz 5GHz IEEE 802.11n/ac(40MHz): 5190~5230MHz 5GHz IEEE 802.11ac(80MHz): 5210MHz 5GHz IEEE 802.11a/n/ac(20MHz): 5745~5825MHz 5GHz IEEE 802.11n/ac(40MHz): 5755~5795MHz 5GHz IEEE 802.11ac(80MHz): 5775MHz |
| | Bluetooth | 2402~2480MHz |
| Modulation Mode | LTE | QPSK,16QAM |
| | WLAN | 2.4GHz: 802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM 5GHz: 802.11a(OFDM): BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK,QPSK,16-QAM,64-QAM 802.11ac(OFDM): BPSK,QPSK,16-QAM,64-QAM,256-QAM |
| | Bluetooth | BT(1Mbps): GFSK BT EDR(2Mbps): π/4-DQPSK BT EDR(3Mbps): 8DPSK |
| | BLE | GFSK |
| Adapter | Input: 100-240 50/60Hz 0.3A Output: 5V 2A | |
| Battery | Rated Voltage: 3.7V Charge Limit: 4.2V Capacity: 4000mAh | |



| | |
|-------------------------|--|
| Hardware Version Number | BND-MT8768-R863-V1.0 |
| Software Version Number | full_tb8768p1_64_bsp-userdebug 2020061006 release-keys |

Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.





2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| Pretest Mode | Description |
|--------------|--|
| Mode 1 | PC + USB Transmission + SD Card |
| Mode 2 | LTE B2 Link + Adapter + USB cable + Earphone + BT Link + WLAN Link(2.4G) |
| Mode 3 | LTE B4 Link + Adapter + USB cable + Earphone + BT Link + WLAN Link(5G) |

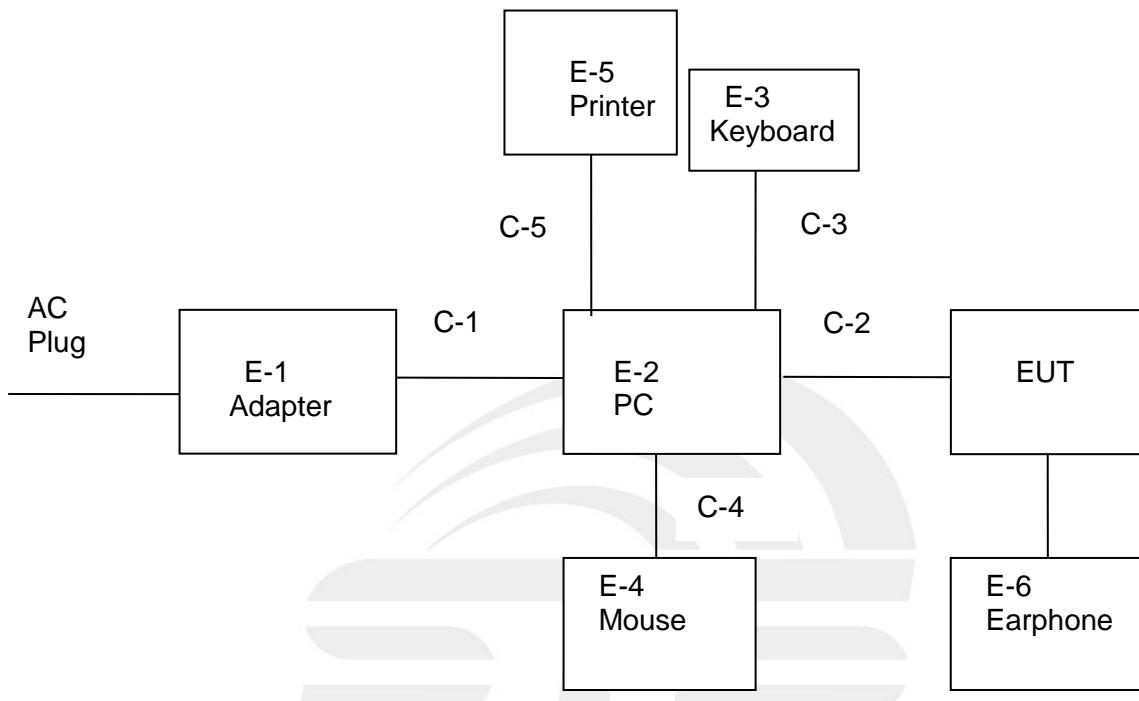
| For Conducted Test | |
|--------------------|---------------------------------|
| Final Test Mode | Description |
| Mode 1 | PC + USB Transmission + SD Card |

| For Radiated Test | |
|-------------------|---------------------------------|
| Final Test Mode | Description |
| Mode 1 | PC + USB Transmission + SD Card |

Note:

1. For conducted emission test, test mode 1 was the worst case and only this mode was presented in this report.
2. For radiated emission test, test mode 1 was the worst case and only this mode was presented in this report.
3. We have be tested for all available U.S. voltage and frequencies (For 120V, 50/60Hz) for which the device is capable of operation.

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF THE SYSTEM TESTED





2.4 DESCRIPTION OF THE SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Accessories equipment

| Item | Equipment | Mfr/Brand | Model/Type No. |
|------|-----------|-----------|----------------|
| N/A | N/A | N/A | N/A |

Auxiliary equipment

| Item | Equipment | Mfr/Brand | Model/Type No. |
|------|-----------|-----------|----------------|
| E-1 | Adapter | HP | HSTNN-CA15 |
| E-2 | PC | HP | 500-320cx |
| E-3 | Keyboard | Acer | SK-9624 |
| E-4 | Mouse | HP | MODGUO |
| E-5 | Printer | LENOVO | LJ2400L |
| E-6 | Earphone | N/A | N/A |

Cable

| Item | Type | Shielded Type | Ferrite Core | Length |
|------|-----------------|---------------|--------------|--------|
| C-1 | Power Cord | Shielded | NO | 150cm |
| C-2 | USB Cable (FTP) | Shielded | NO | 80cm |
| C-3 | USB Cable (FTP) | Shielded | NO | 180cm |
| C-4 | USB Cable (FTP) | Shielded | NO | 180cm |
| C-5 | USB Cable (FTP) | Shielded | NO | 120cm |

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in «Length» column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".
- (4) PC is the FCC DOC is approved.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Radiation Test equipment

| Kind of Equipment | Manufacturer | Type No. | Serial No. | Last Calibration | Calibrated Until |
|--------------------------|----------------------------|--------------|------------|------------------|------------------|
| EMI Test Receiver | R&S | ESCI | 101427 | 2019.10.09 | 2020.10.08 |
| Bi-log Antenna | TESEQ | CBL6111D | 34678 | 2017.11.02 | 2020.11.01 |
| Horn Antenna | SCHWARZB ECK | BBHA 9120D | 9120D-1343 | 2018.10.19 | 2021.10.18 |
| Pre-amplifier(1G-26.5G) | Agilent | 8449B | 3008A02383 | 2019.10.11 | 2020.10.10 |
| Pre-amplifier(0.1M-3GHz) | EM | EM330 | 060665 | 2019.10.09 | 2020.10.08 |
| Spectrum Analyzer | Agilent | N9020A | MY49100060 | 2019.10.09 | 2020.10.08 |
| RE Cable (9K-1G) | N/A | R01 | N/A | 2019.10.12 | 2020.10.11 |
| RE Cable (1G-26G) | N/A | R02 | N/A | 2019.10.12 | 2020.10.11 |
| Temperature & Humidity | Mieo | HH660 | N/A | 2019.10.12 | 2020.10.11 |
| Horn Antenna(18-40GHz) | A-INFO | LB-180400-KF | J211020657 | 2018.03.11 | 2021.03.10 |
| Testing Software | EZ-EMC(Ver.STSLAB-03A1 RE) | | | | |

Conduction Test equipment

| Kind of Equipment | Manufacturer | Type No. | Serial No. | Last Calibration | Calibrated Until |
|------------------------|----------------------------|----------|------------|------------------|------------------|
| EMI Test Receiver | R&S | ESCI | 101427 | 2019.10.09 | 2020.10.08 |
| LISN | R&S | ENV216 | 101242 | 2019.10.09 | 2020.10.08 |
| LISN | ETS | 3810/2NM | 00023625 | 2019.10.09 | 2020.10.08 |
| Absorbing Clamp | R&S | MDS-21 | 100668 | 2019.10.09 | 2020.10.08 |
| CE Cable | N/A | C01 | N/A | 2019.10.12 | 2020.10.11 |
| Temperature & Humidity | Mieo | HH660 | N/A | 2019.10.12 | 2020.10.11 |
| Testing Software | EZ-EMC(Ver.STSLAB-03A1 CE) | | | | |



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits

| FREQUENCY (MHz) | Conducted Emission Limits (dBuV) | | | |
|-----------------|----------------------------------|---------|------------|-----------|
| | Class A | | Class B | |
| | Quasi-peak | Average | Quasi-peak | Average |
| 0.15 -0.5 | 79.00 | 66.00 | 66 - 56 * | 56 - 46 * |
| 0.50 -5.0 | 73.00 | 60.00 | 56.00 | 46.00 |
| 5.0 -30.0 | 73.00 | 60.00 | 60.00 | 50.00 |

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

| Receiver Parameters | Setting |
|---------------------|----------|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |

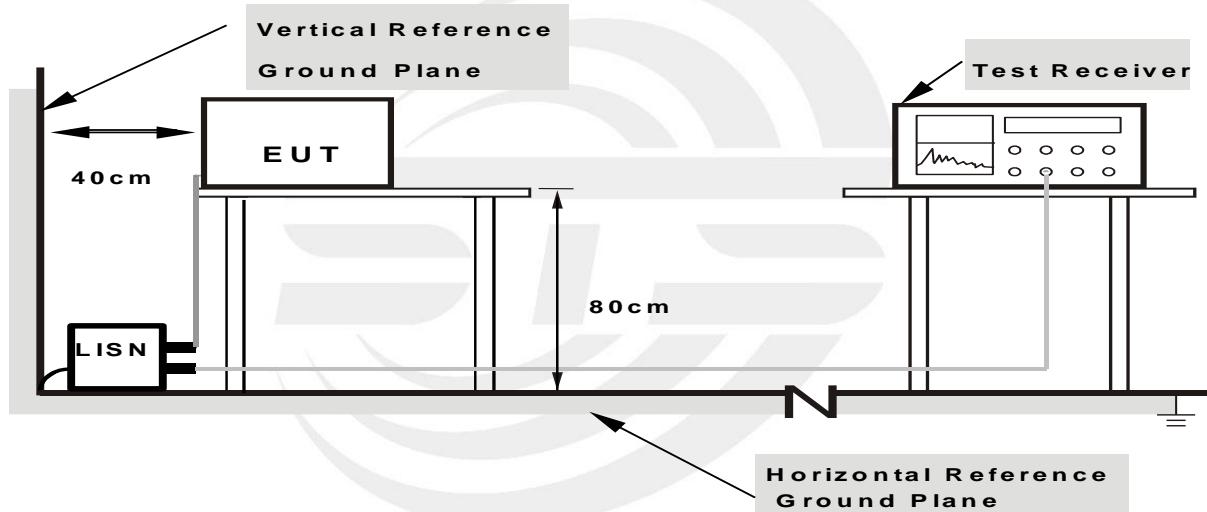
3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



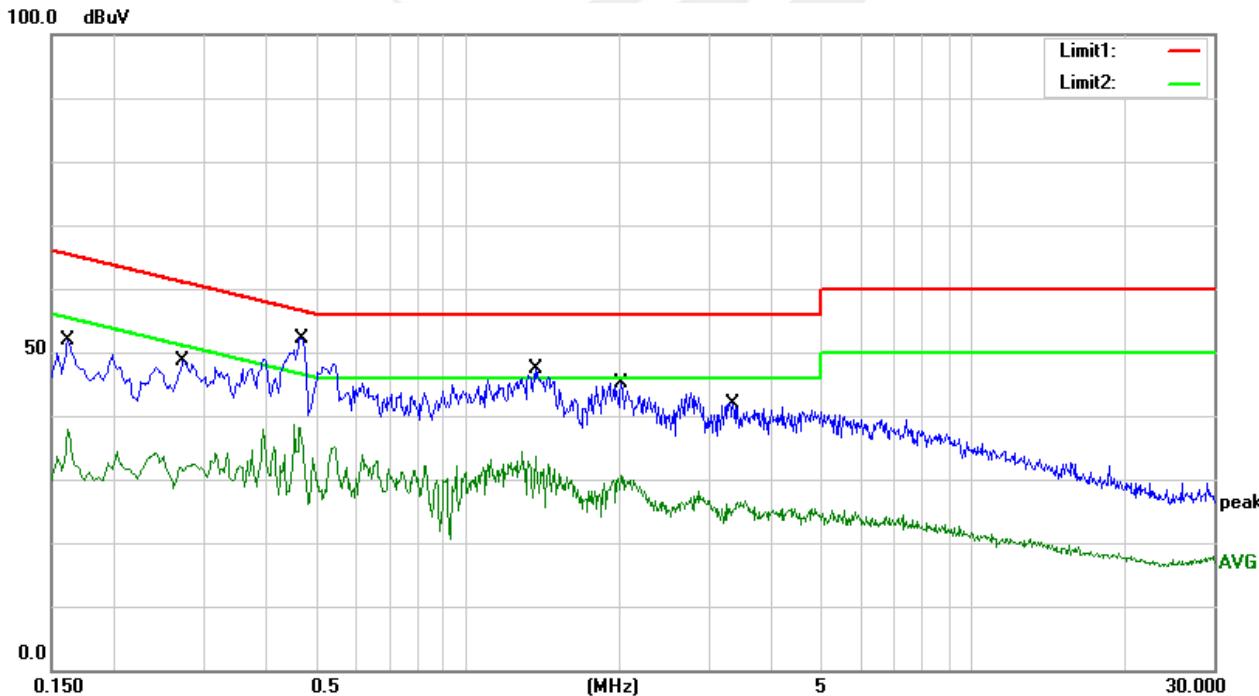
3.1.6 TEST RESULTS

| | | | |
|---------------|--------------|--------------------|------------|
| Temperature: | 27.1°C | Relative Humidity: | 67% |
| Phase: | L | Test Mode: | Mode 1 |
| Test Voltage: | AC 120V/60Hz | Test Date: | 2020.06.19 |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------------|---------------|--------------|-------------|----------|
| 1 | 0.1500 | 39.16 | 20.19 | 59.35 | 66.00 | -6.65 | QP |
| 2 | 0.1500 | 13.97 | 20.19 | 34.16 | 56.00 | -21.84 | AVG |
| 3 | 0.5580 | 15.55 | 20.39 | 35.94 | 56.00 | -20.06 | QP |
| 4 | 0.5580 | 2.31 | 20.39 | 22.70 | 46.00 | -23.30 | AVG |
| 5 | 1.6180 | 18.26 | 20.15 | 38.41 | 56.00 | -17.59 | QP |
| 6 | 1.6180 | 9.01 | 20.15 | 29.16 | 46.00 | -16.84 | AVG |
| 7 | 4.6740 | 12.33 | 20.03 | 32.36 | 56.00 | -23.64 | QP |
| 8 | 4.6740 | -1.07 | 20.03 | 18.96 | 46.00 | -27.04 | AVG |
| 9 | 9.8300 | 7.42 | 19.86 | 27.28 | 60.00 | -32.72 | QP |
| 10 | 9.8300 | -3.61 | 19.86 | 16.25 | 50.00 | -33.75 | AVG |
| 11 | 21.2940 | 10.78 | 20.64 | 31.42 | 60.00 | -28.58 | QP |
| 12 | 21.2940 | -2.24 | 20.64 | 18.40 | 50.00 | -31.60 | AVG |

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result =Reading + Factor)–Limit
3. Factor = Insertion loss + Cable loss





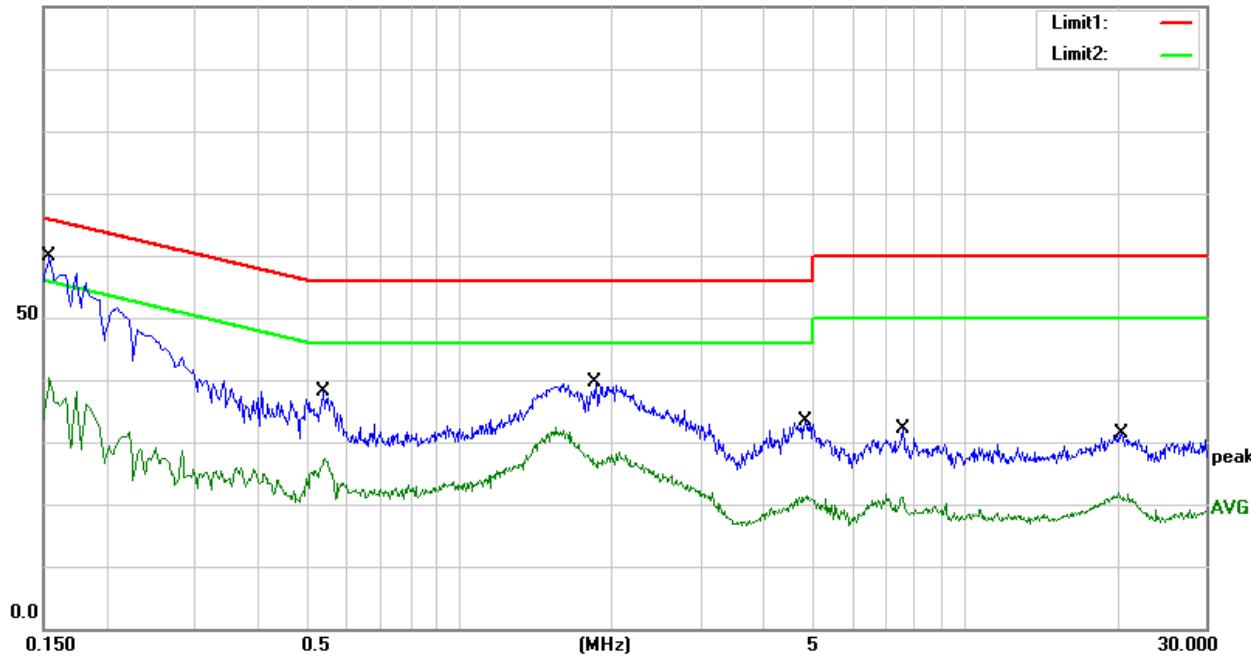
| | | | |
|---------------|--------------|--------------------|------------|
| Temperature: | 27.1 °C | Relative Humidity: | 67% |
| Phase: | N | Test Mode: | Mode 1 |
| Test Voltage: | AC 120V/60Hz | Test Date: | 2020.06.19 |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------------|---------------|--------------|-------------|----------|
| 1 | 0.1540 | 39.67 | 20.20 | 59.87 | 65.78 | -5.91 | QP |
| 2 | 0.1540 | 20.11 | 20.20 | 40.31 | 55.78 | -15.47 | AVG |
| 3 | 0.5380 | 17.60 | 20.40 | 38.00 | 56.00 | -18.00 | QP |
| 4 | 0.5380 | 6.37 | 20.40 | 26.77 | 46.00 | -19.23 | AVG |
| 5 | 1.8620 | 19.36 | 20.15 | 39.51 | 56.00 | -16.49 | QP |
| 6 | 1.8620 | 6.15 | 20.15 | 26.30 | 46.00 | -19.70 | AVG |
| 7 | 4.8420 | 13.44 | 20.03 | 33.47 | 56.00 | -22.53 | QP |
| 8 | 4.8420 | 1.00 | 20.03 | 21.03 | 46.00 | -24.97 | AVG |
| 9 | 7.5260 | 12.15 | 19.90 | 32.05 | 60.00 | -27.95 | QP |
| 10 | 7.5260 | 1.12 | 19.90 | 21.02 | 50.00 | -28.98 | AVG |
| 11 | 20.4380 | 10.68 | 20.65 | 31.33 | 60.00 | -28.67 | QP |
| 12 | 20.4380 | 0.10 | 20.65 | 20.75 | 50.00 | -29.25 | AVG |

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor)–Limit
3. Factor = Insertion loss + Cable loss

100.0 dBuV



Note: The test voltage is 100-240V, both of which have assessment tests, and the worst test data is in the report.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 Radiated Emission Limits

Class A: ITE that meets the conditions for Class A operation defined in Section 2.2 shall comply with the Class A radiated limits set out in Table 4 determined at a distance of 3 metres.

Class A Radiated Limits Below 1 GHz:

| Frequencies (MHz) | Class A (dB μ V/m) |
|----------------------|------------------------|
| | Quasi-peak |
| 30~88 | 49.5 |
| 88~216 | 53.9 |
| 216~960 | 56.9 |
| 960~1000 | 60 |

Class B: ITE that does not meet the conditions for Class A operation shall comply with the Class B radiated limits set out in Table 5 determined at a distance of 3 metres.

Class B Radiated Limits Below 1 GHz:

| Frequencies (MHz) | Class B (dB μ V/m) |
|----------------------|------------------------|
| | Quasi-peak |
| 30~88 | 40 |
| 88~216 | 43.5 |
| 216~960 | 46 |
| 960~1000 | 54 |

In case the emission 109(a) limit in the table below has to be followed.

| Frequencies (MHz) | Field Strength (micorvolts/meter) | Measurement Distance (meters) |
|----------------------|--------------------------------------|----------------------------------|
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| Above 960 | 500 | 3 |



LIMITS OF RADIATED EMISSION MEASUREMENT

| FREQUENCY (MHz) | Class A (dBuV/m) (at 3M) | | Class B (dBuV/m) (at 3M) | |
|-----------------|--------------------------|---------|--------------------------|---------|
| | PEAK | AVERAGE | PEAK | AVERAGE |
| Above 1000 | 80 | 60 | 74 | 54 |

Note:

- (1) The limit for radiated test was performed in the following: FCC PART 15B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m) = 20log Emission level (uV/m).

FREQUENCY RANGE OF THE RADIATED MEASUREMENT (For unintentional radiators)

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



| Spectrum Parameter | Setting |
|---------------------------------------|---|
| Attenuation | Auto |
| Detector | Peak |
| Start Frequency | 1000 MHz(Peak/AV) |
| Stop Frequency | 5th harmonic (Peak/AV) |
| RB / VB (emission in restricted band) | 30MHz to 1000MHz: 100 KHz / 300 KHz Above 1000MHz: 1 MHz / 3 MHz |

| Receiver Parameter | Setting |
|------------------------|---|
| Attenuation | Auto |
| Start ~ Stop Frequency | 30MHz to 1000MHz: 100 KHz / 300 KHz Above 1000MHz: 1 MHz / 3 MHz |

3.2.2 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. EUT as the center to the edge of the auxiliary device, the distance from the maximum edge to the center of the antenna is 3 meters.
- c. The height of antenna is varied from 1 meter to 4 meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

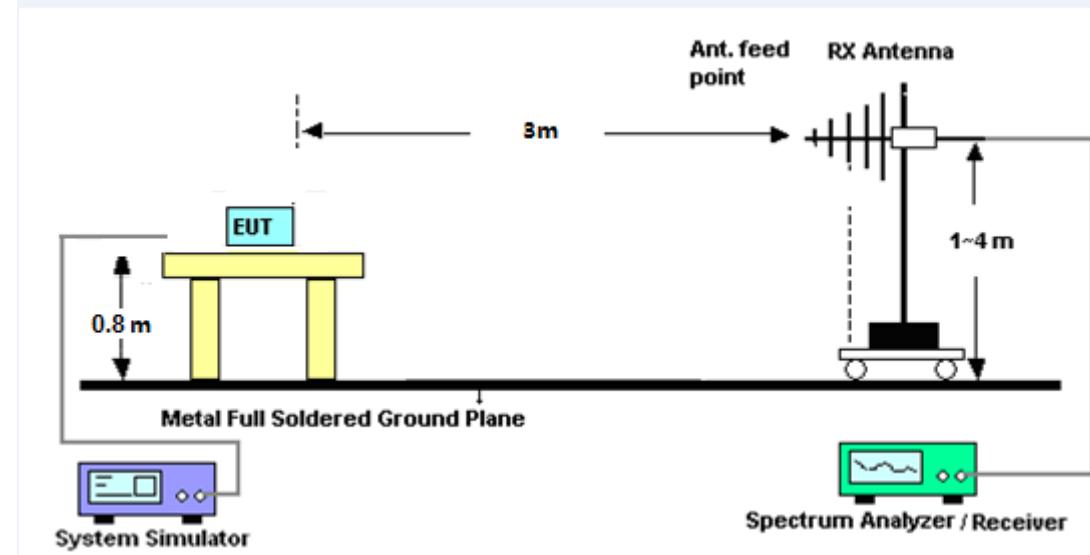
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

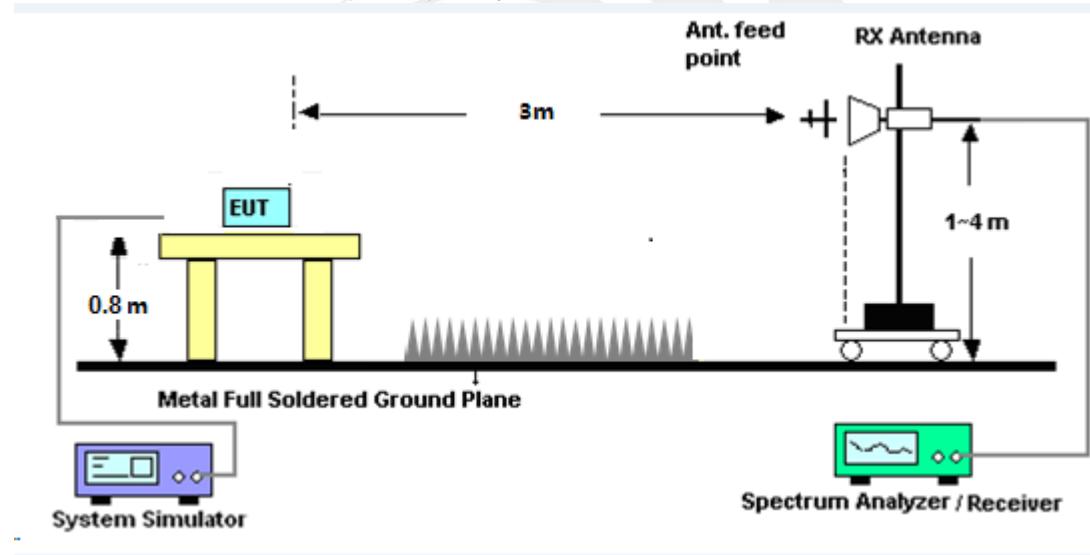
No deviation

3.2.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency 30MHz~1GHz



(B) Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the following during the testing.



3.2.6 TEST RESULTS

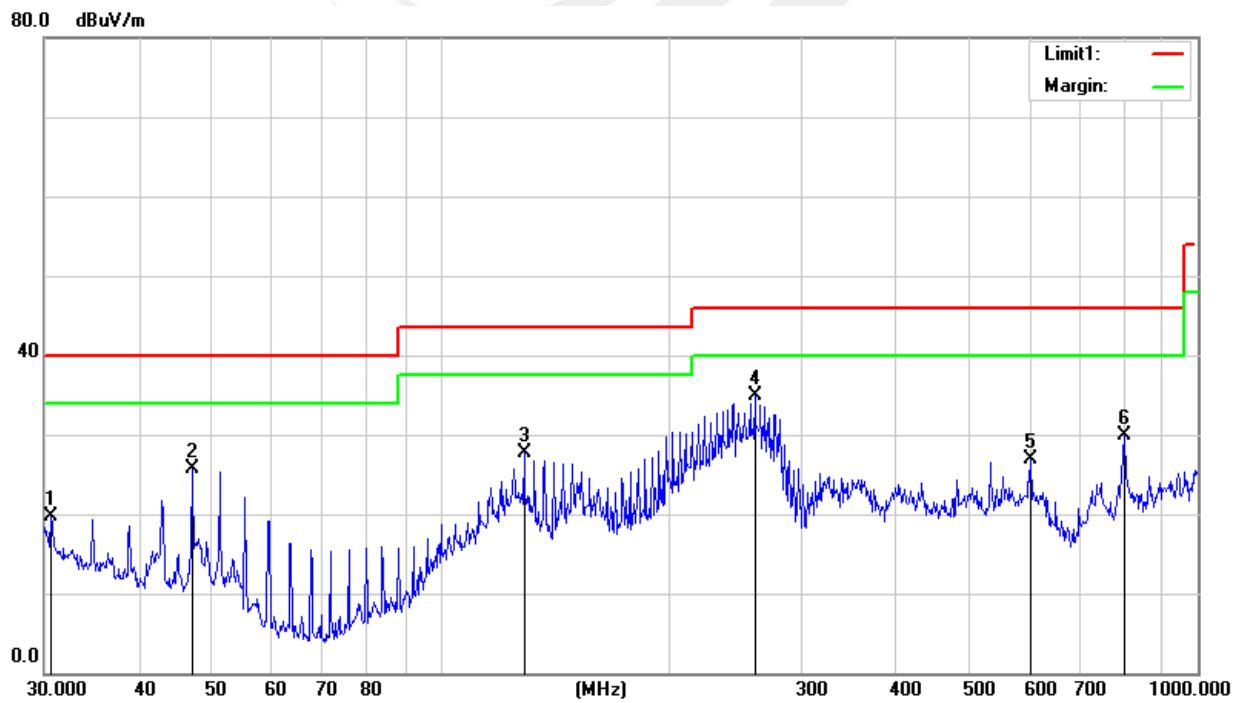
30MHz -1000MHz

| | | | |
|---------------|--------------|--------------------|------------|
| Temperature: | 27.4°C | Relative Humidity: | 49% |
| Phase: | Horizontal | Test Mode: | Mode 1 |
| Test Voltage: | AC 120V/60Hz | Test Date: | 2020.06.19 |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------------|------------------|----------------|-------------|----------|
| 1 | 30.6380 | 31.31 | -11.53 | 19.78 | 40.00 | -20.22 | QP |
| 2 | 46.9948 | 46.45 | -20.82 | 25.63 | 40.00 | -14.37 | QP |
| 3 | 129.0146 | 45.39 | -17.66 | 27.73 | 43.50 | -15.77 | QP |
| 4 | 260.1444 | 52.23 | -17.38 | 34.85 | 46.00 | -11.15 | QP |
| 5 | 601.4265 | 38.85 | -12.00 | 26.85 | 46.00 | -19.15 | QP |
| 6 | 798.9797 | 40.83 | -10.94 | 29.89 | 46.00 | -16.11 | QP |

Remark:

1. All readings are Quasi-Peak
2. Margin = Result (Result =Reading + Factor)–Limit
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain



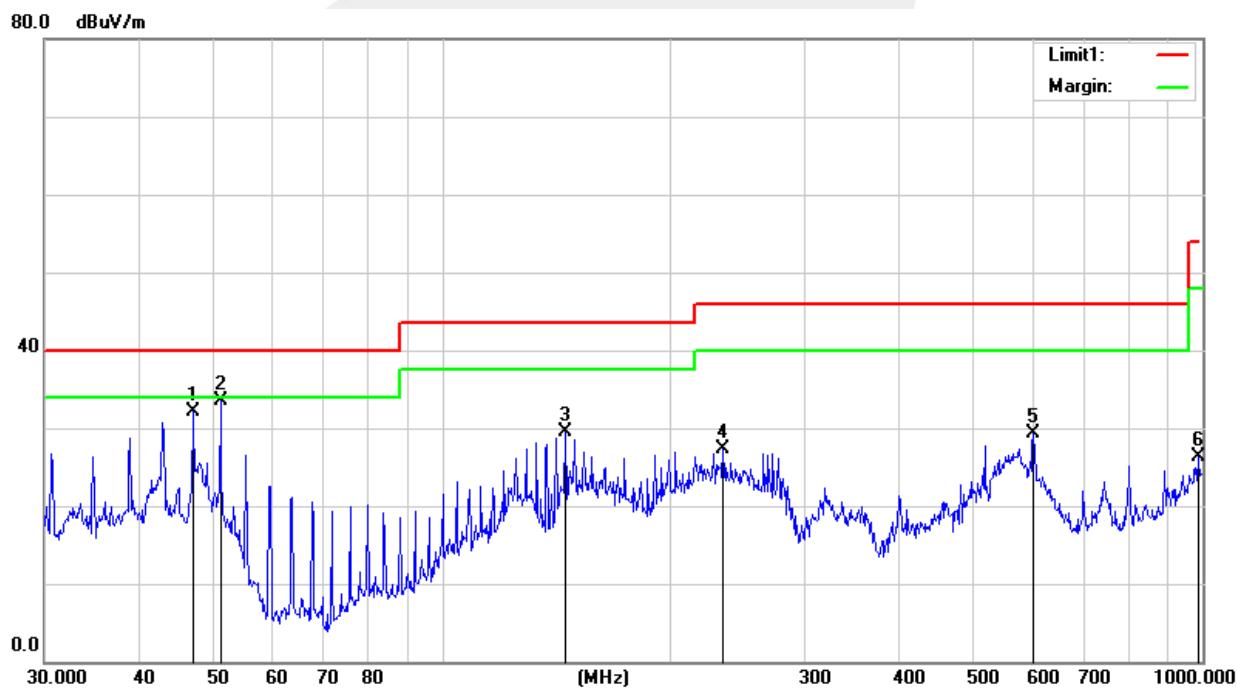


| | | | |
|---------------|--------------|--------------------|------------|
| Temperature: | 27.4°C | Relative Humidity: | 49% |
| Phase: | Vertical | Test Mode: | Mode 1 |
| Test Voltage: | AC 120V/60Hz | Test Date: | 2020.06.19 |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB) | Results (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------------|------------------|----------------|-------------|----------|
| 1 | 46.9948 | 52.99 | -20.82 | 32.17 | 40.00 | -7.83 | QP |
| 2 | 51.1210 | 56.38 | -22.97 | 33.41 | 40.00 | -6.59 | QP |
| 3 | 145.3506 | 46.55 | -17.01 | 29.54 | 43.50 | -13.96 | QP |
| 4 | 234.1684 | 49.03 | -21.76 | 27.27 | 46.00 | -18.73 | QP |
| 5 | 599.3212 | 41.17 | -11.95 | 29.22 | 46.00 | -16.78 | QP |
| 6 | 986.0717 | 33.39 | -7.07 | 26.32 | 54.00 | -27.68 | QP |

Remark:

1. All readings are Quasi-Peak
2. Margin = Result (Result =Reading + Factor)–Limit
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain





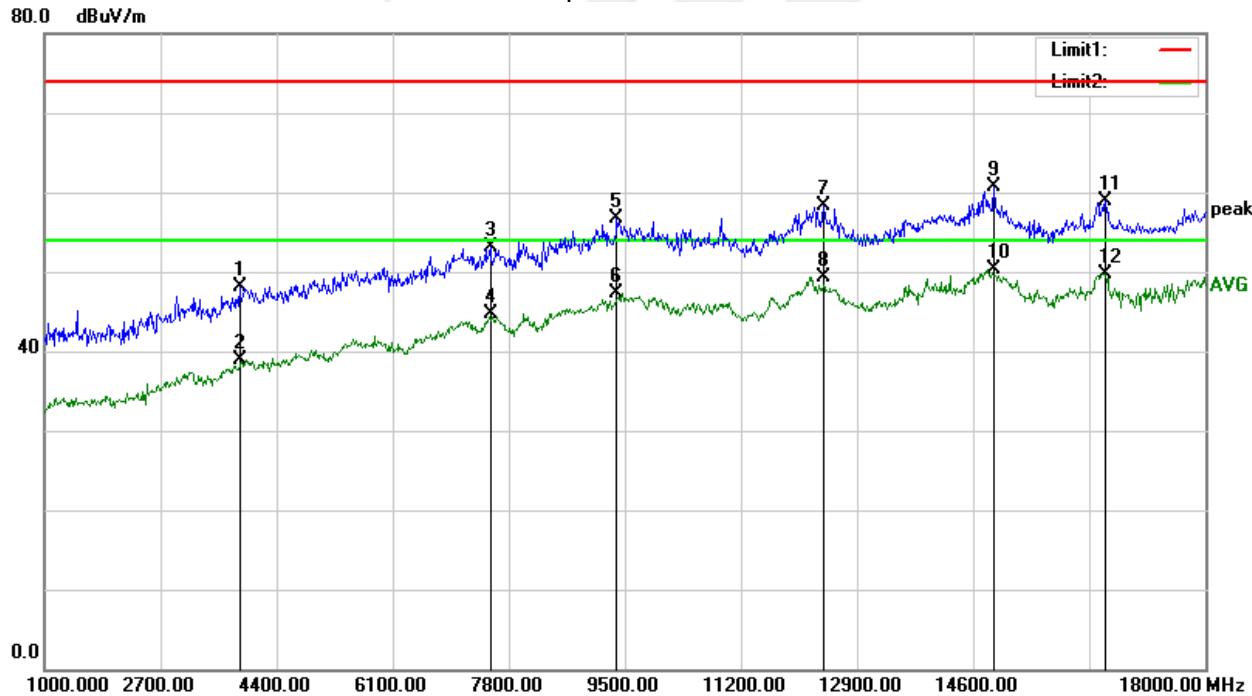
(1 GHz to 18GHz.)

| | | | |
|---------------|--------------|--------------------|------------|
| Temperature: | 27.4°C | Relative Humidity: | 49% |
| Phase: | Horizontal | Test Mode: | Mode 1 |
| Test Voltage: | AC 120V/60Hz | Test Date: | 2020.06.19 |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|-----------------|----------------|---------------------|---------------|--------------|-------------|--------|
| 1 | 3856.000 | 44.10 | 4.00 | 48.10 | 74.00 | -25.90 | Peak |
| 2 | 3856.000 | 34.89 | 4.00 | 38.89 | 54.00 | -15.11 | AVG |
| 3 | 7528.000 | 41.76 | 11.29 | 53.05 | 74.00 | -20.95 | Peak |
| 4 | 7528.000 | 33.41 | 11.29 | 44.70 | 54.00 | -9.30 | AVG |
| 5 | 9381.000 | 42.82 | 13.87 | 56.69 | 74.00 | -17.31 | Peak |
| 6 | 9381.000 | 33.48 | 13.87 | 47.35 | 54.00 | -6.65 | AVG |
| 7 | 12407.000 | 42.97 | 15.40 | 58.37 | 74.00 | -15.63 | Peak |
| 8 | 12407.000 | 33.90 | 15.40 | 49.30 | 54.00 | -4.70 | AVG |
| 9 | 14906.000 | 42.80 | 17.87 | 60.67 | 74.00 | -13.33 | Peak |
| 10 | 14906.000 | 32.52 | 17.87 | 50.39 | 54.00 | -3.61 | AVG |
| 11 | 16538.000 | 41.11 | 17.88 | 58.99 | 74.00 | -15.01 | Peak |
| 12 | 16538.000 | 31.81 | 17.88 | 49.69 | 54.00 | -4.31 | AVG |

Remark:

1. All readings are Peak and Average values
2. Margin = Result (Result = Reading + Factor)–Limit
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain





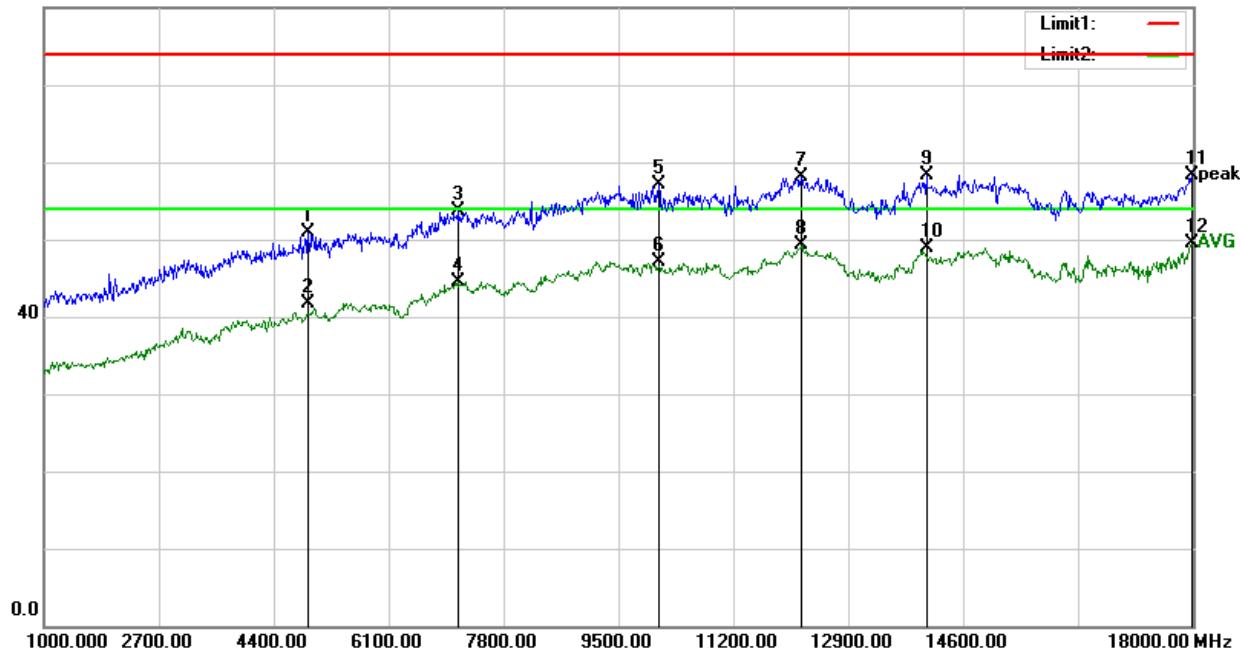
| | | | |
|---------------|--------------|--------------------|------------|
| Temperature: | 27.4 °C | Relative Humidity: | 49% |
| Phase: | Vertical | Test Mode: | Mode 1 |
| Test Voltage: | AC 120V/60Hz | Test Date: | 2020.06.19 |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|-----------------|----------------|---------------------|---------------|--------------|-------------|--------|
| 1 | 4910.000 | 44.90 | 5.91 | 50.81 | 74.00 | -23.19 | Peak |
| 2 | 4910.000 | 35.88 | 5.91 | 41.79 | 54.00 | -12.21 | AVG |
| 3 | 7137.000 | 42.58 | 11.08 | 53.66 | 74.00 | -20.34 | Peak |
| 4 | 7137.000 | 33.46 | 11.08 | 44.54 | 54.00 | -9.46 | AVG |
| 5 | 10095.000 | 44.31 | 12.79 | 57.10 | 74.00 | -16.90 | Peak |
| 6 | 10095.000 | 34.39 | 12.79 | 47.18 | 54.00 | -6.82 | AVG |
| 7 | 12203.000 | 42.96 | 15.08 | 58.04 | 74.00 | -15.96 | Peak |
| 8 | 12203.000 | 34.18 | 15.08 | 49.26 | 54.00 | -4.74 | AVG |
| 9 | 14056.000 | 40.91 | 17.41 | 58.32 | 74.00 | -15.68 | Peak |
| 10 | 14056.000 | 31.43 | 17.41 | 48.84 | 54.00 | -5.16 | AVG |
| 11 | 17983.000 | 33.78 | 24.47 | 58.25 | 74.00 | -15.75 | Peak |
| 12 | 17983.000 | 25.09 | 24.47 | 49.56 | 54.00 | -4.44 | AVG |

Remark:

1. All readings are Peak and Average values
2. Margin = Result (Result =Reading + Factor)–Limit
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain

80.0 dBuV/m





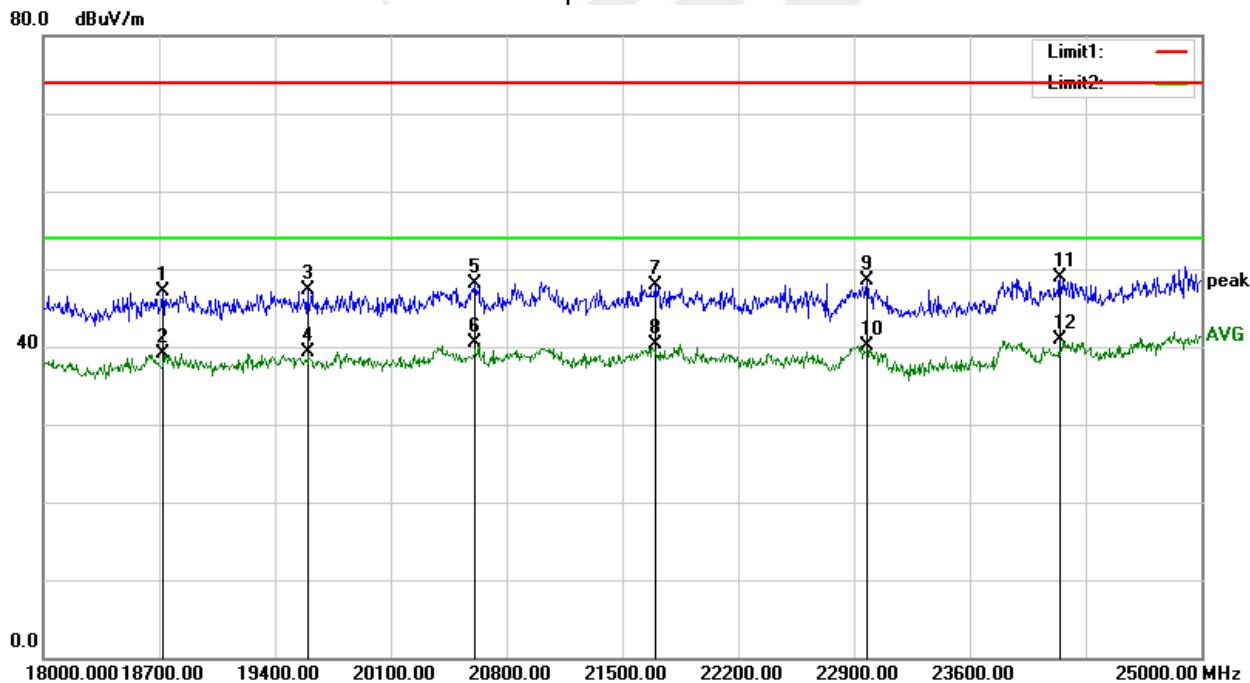
(18 GHz to 25GHz.)

| | | | |
|---------------|--------------|--------------------|------------|
| Temperature: | 27.4°C | Relative Humidity: | 49% |
| Phase: | Horizontal | Test Mode: | Mode 1 |
| Test Voltage: | AC 120V/60Hz | Test Date: | 2020.06.19 |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|-----------------|----------------|---------------------|---------------|--------------|-------------|--------|
| 1 | 18721.000 | 22.41 | 24.68 | 47.09 | 74.00 | -26.91 | Peak |
| 2 | 18721.000 | 14.36 | 24.68 | 39.04 | 54.00 | -14.96 | AVG |
| 3 | 19596.000 | 21.92 | 25.33 | 47.25 | 74.00 | -26.75 | Peak |
| 4 | 19596.000 | 13.91 | 25.33 | 39.24 | 54.00 | -14.76 | AVG |
| 5 | 20611.000 | 23.17 | 24.94 | 48.11 | 74.00 | -25.89 | Peak |
| 6 | 20611.000 | 15.60 | 24.94 | 40.54 | 54.00 | -13.46 | AVG |
| 7 | 21696.000 | 23.20 | 24.66 | 47.86 | 74.00 | -26.14 | Peak |
| 8 | 21696.000 | 15.68 | 24.66 | 40.34 | 54.00 | -13.66 | AVG |
| 9 | 22977.000 | 23.95 | 24.54 | 48.49 | 74.00 | -25.51 | Peak |
| 10 | 22977.000 | 15.59 | 24.54 | 40.13 | 54.00 | -13.87 | AVG |
| 11 | 24146.000 | 23.96 | 24.88 | 48.84 | 74.00 | -25.16 | Peak |
| 12 | 24146.000 | 16.08 | 24.88 | 40.96 | 54.00 | -13.04 | AVG |

Remark:

1. All readings are Peak and Average values
2. Margin = Result (Result = Reading + Factor)–Limit
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain





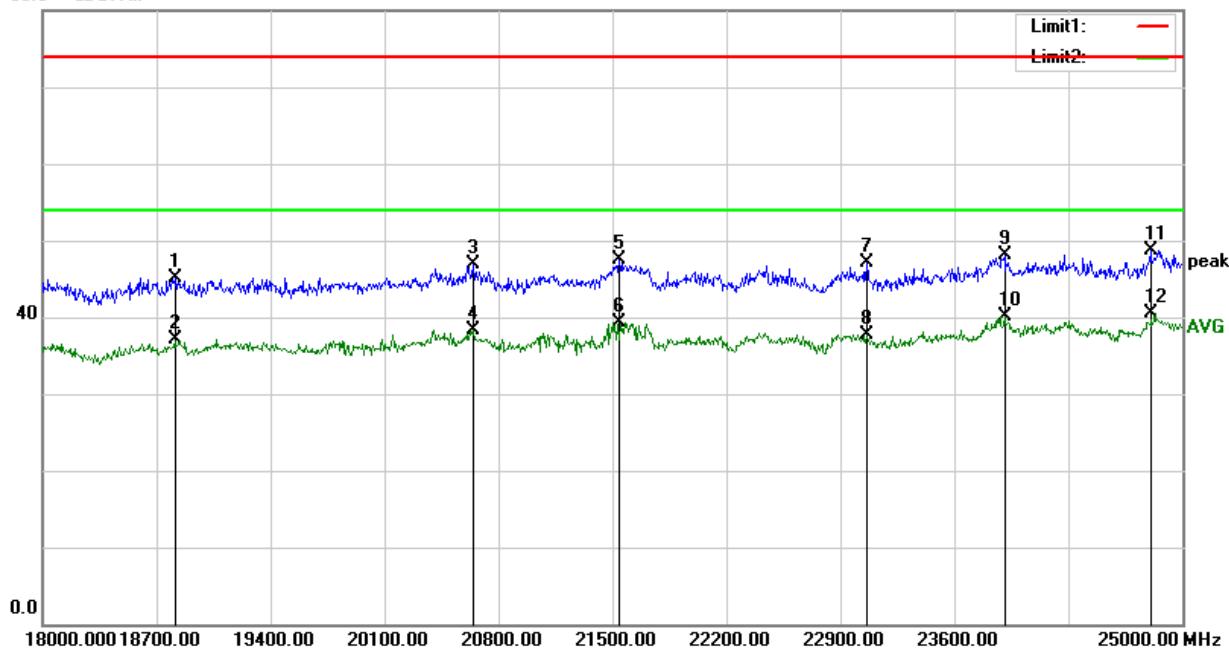
| | | | |
|---------------|--------------|--------------------|------------|
| Temperature: | 27.4°C | Relative Humidity: | 49% |
| Phase: | Vertical | Test Mode: | Mode 1 |
| Test Voltage: | AC 120V/60Hz | Test Date: | 2020.06.19 |

| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|-----------------|----------------|---------------------|---------------|--------------|-------------|--------|
| 1 | 18819.000 | 20.30 | 24.76 | 45.06 | 74.00 | -28.94 | Peak |
| 2 | 18819.000 | 12.32 | 24.76 | 37.08 | 54.00 | -16.92 | AVG |
| 3 | 20646.000 | 21.95 | 24.94 | 46.89 | 74.00 | -27.11 | Peak |
| 4 | 20646.000 | 13.36 | 24.94 | 38.30 | 54.00 | -15.70 | AVG |
| 5 | 21542.000 | 22.73 | 24.72 | 47.45 | 74.00 | -26.55 | Peak |
| 6 | 21542.000 | 14.56 | 24.72 | 39.28 | 54.00 | -14.72 | AVG |
| 7 | 23061.000 | 22.55 | 24.57 | 47.12 | 74.00 | -26.88 | Peak |
| 8 | 23061.000 | 13.18 | 24.57 | 37.75 | 54.00 | -16.25 | AVG |
| 9 | 23908.000 | 23.23 | 24.82 | 48.05 | 74.00 | -25.95 | Peak |
| 10 | 23908.000 | 15.19 | 24.82 | 40.01 | 54.00 | -13.99 | AVG |
| 11 | 24804.000 | 23.79 | 24.95 | 48.74 | 74.00 | -25.26 | Peak |
| 12 | 24804.000 | 15.52 | 24.95 | 40.47 | 54.00 | -13.53 | AVG |

Remark:

1. All readings are Peak and Average values
2. Margin = Result (Result =Reading + Factor)–Limit
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain

80.0 dBuV/m

**Notes:**

1. Measuring frequencies from 1 GHz to 25GHz.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode of the emission shown in Actual FS column.

* * * * END OF THE REPORT * * * *