



FCC TEST REPORT

Report No: STS1502022F03

Issued for

Amoi Technology Co., Ltd.

4/F, 22nd Building, Guanri Road, Software Park, Xiamen City, Fujian Province, P.R. China

| Product Name: | WCDMA DIGITAL MOBILE PHONE |
|----------------|----------------------------|
| Brand Name: | N/A |
| Model No.: | A610 |
| Series Model: | N/A |
| FCC ID: | 2AD6VA610 |
| Test Standard: | FCC Part 15.247 |

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TEST RESULT CERTIFICATION

| Applicant's name | Amoi Technology Co., Ltd. |
|------------------|---------------------------|
|------------------|---------------------------|

Fujian Province, P.R. China

Manufacture's Name Amoi Technology Co., Ltd.

Fujian Province, P.R. China

Product description

Product name: WCDMA DIGITAL MOBILE PHONE

Model and/or type reference .: A610
Serial Model N/A

Standards FCC Part15.247

Test procedure: ANSI C63.10-2009

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....:

Test Result Pass

Testing Engineer :

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Report writing :

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10000

(Bovey Yang)



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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

| FCC Part15 (15.247) , Subpart C | | | | | |
|---|-----------------------------|----------|--------|--|--|
| Standard Section | Test Item | Judgment | Remark | | |
| 15.207 | Conducted Emission | PASS | | | |
| 15.247 (a)(2) | 6dB Bandwidth | PASS | | | |
| 15.247 (b) (reference KDB 558074 d05 v02. /9.1.2) | Peak Output Power | PASS | | | |
| 15.247 (c) | Radiated Spurious Emission | PASS | | | |
| 15.247 (d) | Conducted Spurious Emission | PASS | | | |
| 15.247 (e) | Power Spectral Density | PASS | | | |
| 15.205 | Band Edge Emission | PASS | | | |
| 15.203 | Antenna Requirement | PASS | | | |

NOTE:

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

1.1 TEST FACILITY

Shenzhen STS Test Services Co., Ltd.

Add.: 1/F, Building 2, Zhuoke Science Park, Chongqing Road, Fuyong, Baoan District,

Shenzhen, China.

FCC Registration No.: 842334; IC Registration No.: 12108A-1

1.2 MEASUREMENT UNCERTAINTY

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

| No. | Item | Uncertainty |
|-----|------------------------------|-------------|
| 1 | Conducted Emission Test | ±1.38dB |
| 2 | RF power,conducted | ±0.16dB |
| 3 | Spurious emissions,conducted | ±0.21dB |
| 4 | All emissions,radiated(<1G) | ±4.68dB |
| 5 | All emissions,radiated(>1G) | ±4.89dB |
| 6 | Temperature | ±0.5°C |
| 7 | Humidity | ±2% |





2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

| Equipment | WCDMA DIGITAL MOBILE PHONE | | | |
|----------------------------|---------------------------------|---------------------------------------|--|--|
| Trade Name | N/A | | | |
| Model Name | A610 | | | |
| Serial Model | N/A | | | |
| Model Difference | N/A | | | |
| | The EUT is a V | WCDMA DIGITAL MOBILE PHONE | | |
| | Operation | 802.11b/g/n 20: 2412~2462 MHz | | |
| | Frequency: | 802.11n 40: 2422~2452MHz | | |
| | Modulation Type: | CCK/OFDM/DBPSK/DAPSK | | |
| | Bit Rate of | 802.11b:11/5.5/2/1 Mbps | | |
| | Transmitter | 802.11g:54/48/36/24/18/12/9/6Mbps | | |
| Product Description | | 802.11n(20/40MHz):300/150/144.44/130/ | | |
| | | 117/115.56/104/86.67/78/52/6.5Mbps | | |
| | | | | |
| | Number Of | 802.11b/g/n20: 11CH | | |
| | Channel | 802.11n 40: 7CH | | |
| | Antenna | | | |
| | Designation: | Please see Note 3. | | |
| | Antenna Gain (dBi) | 0 dbi | | |
| Channel List | Please refer to | the Note 2. | | |
| Ratings | DC 3.8V from | battery | | |
| | Power supply a | and ADP(rating): | | |
| Adapter | Input:100-240V AC,50/60Hz 0.10A | | | |
| • | Output:5.0V,10 | Output:5.0V,1000mA | | |
| Dotton | Rated Voltage: 3.7V | | | |
| Battery | capacity : 1200mA | | | |
| Hardware version number | N/A | | | |
| Software versioning number | N/A | | | |
| Connecting I/O Port(s) | Please refer to | the User's Manual | | |

Note:

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

| 2. | Channel List for 802.11b/g/n(20MHz) | | | | | | | |
|----|-------------------------------------|--------------------|---------|--------------------|---------|--------------------|---------|--------------------|
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| İ | 01 | 2412 | 04 | 2427 | 07 | 2442 | 10 | 2457 |
| | 02 | 2417 | 05 | 2432 | 08 | 2447 | 11 | 2462 |
| | 03 | 2422 | 06 | 2437 | 09 | 2452 | | |



| Channel List for 802.11n(40MHz) | | | | | | | |
|---------------------------------|--------------------|---------|--------------------|---------|--------------------|---------|--------------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 03 | 2422 | 06 | 2437 | 09 | 2452 | | |
| 04 | 2427 | 07 | 2442 | | | | |
| 05 | 2432 | 80 | 2447 | | | | |

3. Table for Filed Antenna

| Ant | Brand | Model Name | Antenna Type | Connector | Gain (dBi) | NOTE |
|-----|-------|------------|--------------|-----------|------------|------|
| Α | N/A | N/A | PIFA Antenna | N/A | 0 | N/A |





2.2 DESCRIPTION OF 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 | 802.11b CH1/ CH6/ CH11 |
| Mode 2 | 802.11g CH1/ CH6/ CH11 |
| Mode 3 | 802.11n(20)CH1/ CH6/ CH11 |
| Mode 4 | 802.11n(40) CH3/ CH6/ CH9 |
| Mode 5 | Link Mode |

| For Conducted Emission | | |
|------------------------|-------------|--|
| Final Test Mode | Description | |
| Mode 5 | Link Mode | |

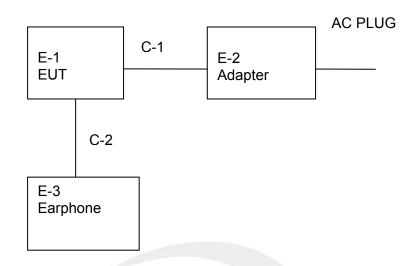
| For Radiated Emission | | | | |
|-----------------------------|---------------------------|--|--|--|
| Final Test Mode Description | | | | |
| Mode 1 | 802.11b CH1/ CH6/ CH11 | | | |
| Mode 2 | 802.11g CH1/ CH6/ CH11 | | | |
| Mode 3 | 802.11n CH1/ CH6/ CH11 | | | |
| Mode 4 | 802.11n(40) CH3/ CH6/ CH9 | | | |
| Mode 5 | Link Mode | | | |

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported



2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TEST



2.4 DESCRIPTION OF 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.

| Item | Equipment | Mfr/Brand | Model/Type No. | Series No. | Note |
|------|-------------------------------|-----------|----------------|------------|------|
| E-1 | WCDMA DIGITAL MOBILE PHONE | N/A | A610 | N/A | EUT |
| E-2 | Adapter | N/A | - | N/A | |
| E-3 | Earphone | N/A | N/A | N/A | |
| | | | | | |
| | | | | | |
| | | | | | |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|------|
| C-1 | NO | YES | 1.5m | |
| C-2 | NO | NO | 1.2m | |
| | | | | |
| | | | | |
| | | | | |

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 <code>"Length_"</code> column.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

| Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until |
|----------------------|--------------|------------|------------|------------------|------------------|
| Spectrum Analyzer | Agilent | E4407B | MY50140340 | 2014.10.25 | 2015.10.24 |
| Test Receiver | R&S | ESCI | 101427 | 2014.10.25 | 2015.10.24 |
| Bilog Antenna | TESEQ | CBL6111D | 34678 | 2014.10.27 | 2015.10.26 |
| Horn Antenna | R&S | 9120D | 152265 | 2014.10.27 | 2015.10.26 |
| Horn Ant | Schwarzbeck | BBHA 9170 | 9170-181 | 2014.07.06 | 2015.07.05 |
| Amplifier | Agilent | 8449B | 60538 | 2014.10.25 | 2015.10.24 |
| Loop Antenna | ARA | PLA-1030/B | 1029 | 2014.06.08 | 2015.06.07 |
| Power Meter | Anritsu | ML2495A | 1204003 | 2014.10.25 | 2015.10.24 |
| Power Sensor | Anritsu | MA2411B | 100309 | 2014.10.25 | 2015.10.24 |
| Low frequency cable | N/A | R01 | N/A | 2014.10.25 | 2015.10.24 |
| High frequency cable | N/A | R02 | N/A | 2014.10.25 | 2015.10.24 |

Conduction Test equipment

| Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until |
|-------------------|------------------|----------|------------|------------------|------------------|
| Test Receiver | R&S | ESCI | 102086 | 2014.10.25 | 2015.10.24 |
| LISN | R&S | ENV216 | 101242 | 2014.10.25 | 2015.10.24 |
| LISN | EMCO | 3810/2NM | 000-23625 | 2014.10.25 | 2015.10.24 |
| Conduction Cable | HUBER+SU HNER | C01 | N/A | 2014.10.25 | 2015.10.24 |



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

Operating frequency band. In case the emission fall within the restricted band specified on Part 15.247&207(a) limit in the table below has to be followed.

| EDECHENCY (MU=) | Class B | Ctandard | |
|-----------------|------------|-----------|----------|
| FREQUENCY (MHz) | Quasi-peak | Average | Standard |
| 0.15 -0.5 | 66 - 56 * | 56 - 46 * | CISPR |
| 0.50 -5.0 | 56.00 | 46.00 | CISPR |
| 5.0 -30.0 | 60.00 | 50.00 | CISPR |

| 0.15 -0.5 | 66 - 56 * | 56 - 46 * | FCC |
|-----------|-----------|-----------|-----|
| 0.50 -5.0 | 56.00 | 46.00 | FCC |
| 5.0 -30.0 | 60.00 | 50.00 | FCC |

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



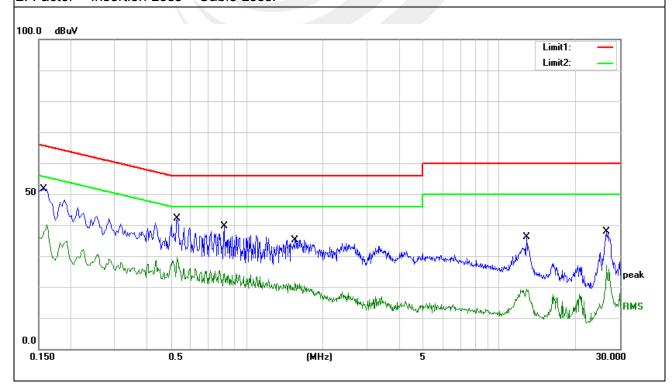
3.1.2 TEST RESULT

| H-U11 . | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HASI VAHAAA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | L | Polarization : | Horizontal |

| | T | | | | | |
|-----------|---------|------------|--------|--------|--------|----------|
| Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| (MHz) | (dBuV) | Factor(dB) | (dBuV) | (dBuV) | (dB) | INCINAIN |
| 0.1579 | 34.33 | 11.23 | 45.56 | 65.62 | -20.06 | QP |
| 0.1579 | 23.58 | 11.23 | 34.81 | 55.62 | -20.81 | AVG |
| 0.5315 | 28.04 | 10.84 | 38.88 | 56.00 | -17.12 | QP |
| 0.5315 | 17.10 | 10.84 | 27.94 | 46.00 | -18.06 | AVG |
| 0.8158 | 18.80 | 10.83 | 29.63 | 56.00 | -26.37 | QP |
| 0.8158 | 11.44 | 10.83 | 22.27 | 46.00 | -23.73 | AVG |
| 1.5492 | 18.17 | 10.85 | 29.02 | 56.00 | -26.98 | QP |
| 1.5492 | 8.58 | 10.85 | 19.43 | 46.00 | -26.57 | AVG |
| 12.7734 | 12.79 | 11.54 | 24.33 | 60.00 | -35.67 | QP |
| 12.7734 | 4.04 | 11.54 | 15.58 | 50.00 | -34.42 | AVG |
| 26.5464 | 19.69 | 12.47 | 32.16 | 60.00 | -27.84 | QP |
| 26.5464 | 12.53 | 12.47 | 25.00 | 50.00 | -25.00 | AVG |

Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Factor = Insertion Loss + Cable Loss.



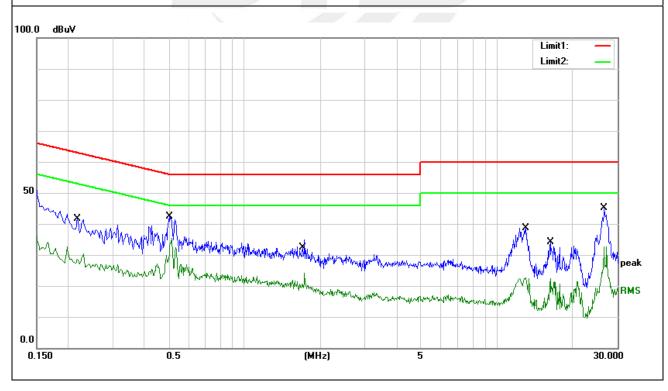


| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HEST VOUAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | N | Polarization : | Horizontal |

| Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|----------------|---------|------------|--------|--------|--------|--------|
| (MHz) | (dBuV) | Factor(dB) | (dBuV) | (dBuV) | (dB) | Remark |
| 0.219 5 | 24.65 | 10.84 | 35.49 | 62.83 | -27.34 | QP |
| 0.219 5 | 16.69 | 10.84 | 27.53 | 52.83 | -25.30 | AVG |
| 0.5006 | 29.67 | 10.82 | 40.49 | 56.00 | -15.51 | QP |
| 0.5006 | 21.09 | 10.82 | 31.91 | 46.00 | -14.09 | AVG |
| 1.6869 | 14.36 | 10.83 | 25.19 | 56.00 | -30.81 | QP |
| 1.6869 | 8.21 | 10.83 | 19.04 | 46.00 | -26.96 | AVG |
| 12.9869 | 19.25 | 11.60 | 30.85 | 60.00 | -29.15 | QP |
| 12.9869 | 9.15 | 11.60 | 20.75 | 50.00 | -29.25 | AVG |
| 16.2290 | 20.11 | 11.72 | 31.83 | 60.00 | -28.17 | QP |
| 16.2290 | 11.13 | 11.72 | 22.85 | 50.00 | -27.15 | AVG |
| 26.6048 | 23.69 | 12.71 | 36.40 | 60.00 | -23.60 | QP |
| 26.6048 | 14.27 | 12.71 | 26.98 | 50.00 | -23.02 | AVG |

Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Factor = Insertion Loss + Cable Loss.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS

6 dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on Part 15.247&205(a), then the Part 15.247&209(a) limit in the table below has to be followed.

| Frequencies | Field Strength | Measurement Distance |
|-------------|--------------------|----------------------|
| (MHz) | (micorvolts/meter) | (meters) |
| 0.009~0.490 | 2400/F(KHz) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| Above 960 | 500 | 3 |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

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

Notes:

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

FREQUENCY RANGE OF 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 | 5 th 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 | 10th carrier harmonic(Peak/AV) |
| RB / VB (emission in restricted | 1 MU- / 1 MU- AV-1 MU- / 10U- |
| band) | 1 MHz / 1 MHz, AV=1 MHz / 10Hz |

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| Receiver Parameter | Setting |
|------------------------|----------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~150kHz / RB 200Hz for QP |
| Start ~ Stop Frequency | 150kHz~30MHz / RB 9kHz for QP |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB 120kHz for QP |

3.2.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

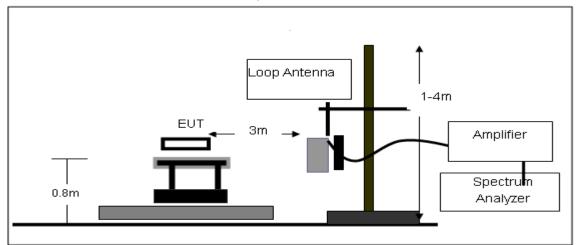
Note:

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

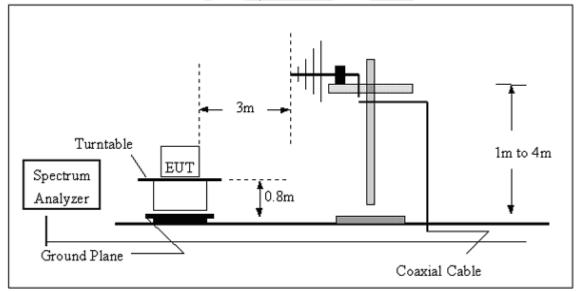


3.2.3 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz

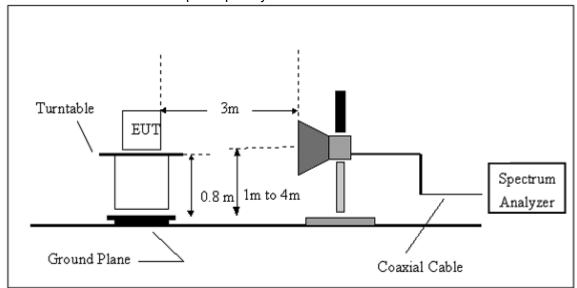


(B) Radiated Emission Test-Up Frequency 30MHz~1GHz





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



3.2.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



3.2.5 TEST RESULT 9KHz-30MHz

| I - - | WCDMA DIGITAL MOBILE PHONE | Model Name. : | A610 |
|---------------------|----------------------------|---------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidtity: | 48% |
| Pressure: | 1010 hPa | LIAST VALISAA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | Link mode | Polarization : | |

| Freq. | Reading | Limit | Margin | State |
|-------|----------|----------|--------|-------|
| (MHz) | (dBuV/m) | (dBuV/m) | (dB) | P/F |
| | | | | PASS |
| | | | | PASS |

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.

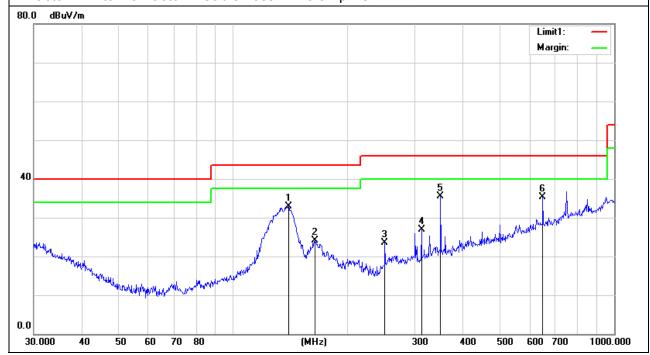


30MHz - 1000MHz

| HIII . | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HASI VOHADA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | Link mode | Polarization : | Horizontal |

| Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----------|---------|--------------|----------|----------|--------|--------|
| (MHz) | (dBuV) | Factor(dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 139.8522 | 20.03 | 12.89 | 32.92 | 43.50 | -10.58 | QP |
| 164.3309 | 12.70 | 11.43 | 24.13 | 43.50 | -19.37 | QP |
| 250.3012 | 9.38 | 14.07 | 23.45 | 46.00 | -22.55 | QP |
| 312.1798 | 11.27 | 15.71 | 26.98 | 46.00 | -19.02 | QP |
| 350.4763 | 18.40 | 17.19 | 35.59 | 46.00 | -10.41 | QP |
| 649.6584 | 11.70 | 23.63 | 35.33 | 46.00 | -10.67 | QP |

Remark:



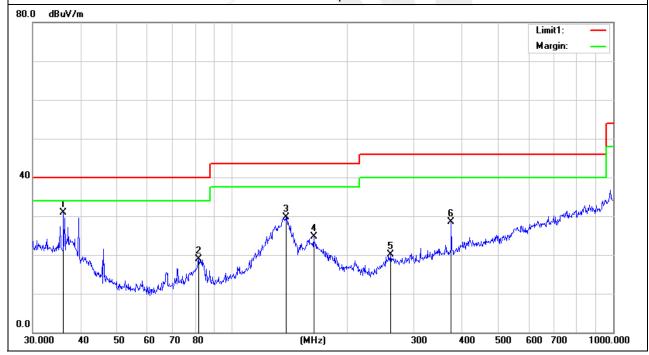




| I - III : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|------------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HEST VANIANE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | Link mode | Polarization : | Vertical |

| Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----------|---------|--------------|----------|----------|--------|--------|
| (MHz) | (dBuV) | Factor(dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 36.1272 | 15.06 | 15.76 | 30.82 | 40.00 | -9.18 | QP |
| 81.7833 | 10.52 | 8.41 | 18.93 | 40.00 | -21.07 | QP |
| 138.8735 | 16.87 | 12.88 | 29.75 | 43.50 | -13.75 | QP |
| 163.7550 | 13.29 | 11.49 | 24.78 | 43.50 | -18.72 | QP |
| 261.0583 | 4.69 | 15.36 | 20.05 | 46.00 | -25.95 | QP |
| 375.9385 | 10.80 | 17.63 | 28.43 | 46.00 | -17.57 | QP |

Remark:





Above 1000MHz

| IFUI: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|-------------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | LIAST VAITARA | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH1 (802.11b Mode)/2412 | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|---------------|--------|----------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | value Type |
| 4824.104 | 46.58 | 10.44 | 57.02 | 74 | -16.98 | peak |
| 4824.104 | 31.36 | 10.44 | 41.8 | 54 | -12.2 | AVG |
| 7236.065 | 43.57 | 12.39 | 55.96 | 74 | -18.04 | peak |
| 7236.065 | 33.92 | 12.39 | 46.31 | 54 | -7.69 | AVG |
| | | | | | | |
| Remark: | | | | | | |

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

| IFUI . | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | TASI VOHANA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH1 (802.11b Mode)/241 | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4824.136 | 49.37 | 10.39 | 59.76 | 74 | -14.24 | peak |
| 4824.068 | 33.82 | 10.39 | 44.21 | 54 | -9.79 | AVG |
| 7236.051 | 48.36 | 12.68 | 61.04 | 74 | -12.96 | peak |
| 7236.139 | 30.91 | 12.68 | 43.59 | 54 | -10.41 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | - | - | | - | | |



| I - III : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|------------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HASI VAHAAA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH6 (802.11b Mode)/2437 | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | туре |
| 4874.137 | 49.25 | 10.39 | 59.64 | 74 | -14.36 | peak |
| 4874.114 | 33.82 | 10.39 | 44.21 | 54 | -9.79 | AVG |
| 7311.102 | 48.29 | 12.68 | 60.97 | 74 | -13.03 | peak |
| 7311.091 | 30.84 | 12.68 | 43.52 | 54 | -10.48 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

| IF()) : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|----------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | TASI VOHANA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH6 (802.11b Mode)/2437 | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4874.051 | 49.05 | 10.39 | 59.44 | 74 | -14.56 | peak |
| 4874.100 | 33.43 | 10.39 | 43.82 | 54 | -10.18 | AVG |
| 7311.109 | 48.47 | 12.68 | 61.15 | 74 | -12.85 | peak |
| 7311.098 | 30.83 | 12.68 | 43.51 | 54 | -10.49 | AVG |
| | | | | | | |
| | - | | | | | |
| Remark: | | | | | | - |



WCDMA DIGITAL MOBILE Model Name : A610 EUT: PHONE Relative Humidity: Temperature: 20 ℃ 48% DC 5V from Adapter with Pressure: 1010 hPa Test Voltage : AC 120V/60Hz Test Mode : CH11 (802.11b Mode)/2462 Horizontal Polarization:

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|---------------|------------------|----------------|-------------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4924.085 | 49.66 | 10.39 | 60.05 | 74 | -13.95 | peak |
| 4924.137 | 33.43 | 10.39 | 43.82 | 54 | -10.18 | AVG |
| 7386.053 | 48.26 | 12.68 | 60.94 | 74 | -13.06 | peak |
| 7386.087 | 30.74 | 12.68 | 43.42 | 54 | -10.58 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |
| Factor = Ante | nna Factor + 0 | Cable Loss – P | re-amplifier. | | | |

| | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|-------------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | Hest vollage . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH11 (802.11b Mode)/2462 | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type | | |
|---------------|---|--------|-------------------|----------|--------|---------------|--|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type | | |
| 4924.135 | 49.35 | 10.39 | 59.74 | 74 | -14.26 | peak | | |
| 4924.129 | 33.57 | 10.39 | 43.96 | 54 | -10.04 | AVG | | |
| 7386.109 | 48.52 | 12.68 | 61.2 | 74 | -12.8 | peak | | |
| 7386.097 | 30.33 | 12.68 | 43.01 | 54 | -10.99 | AVG | | |
| | | | | | | | | |
| | | | | | | | | |
| Remark: | | | | | | | | |
| Factor = Ante | Factor = Antenna Factor + Cable Loss – Pre-amplifier. | | | | | | | |



WCDMA DIGITAL MOBILE EUT: Model Name : A610 PHONE Relative Humidity: **20** ℃ Temperature: 48% DC 5V from Adapter with Pressure: 1010 hPa Test Voltage : AC 120V/60Hz CH1 (802.11g Mode)/2412 Test Mode : Polarization: Horizontal

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | 1 |
| 4824.082 | 46.24 | 10.44 | 56.68 | 74 | -17.32 | peak |
| 4824.134 | 36.51 | 10.44 | 46.95 | 54 | -7.05 | AVG |
| 7236.048 | 42.37 | 12.39 | 54.76 | 74 | -19.24 | peak |
| 7236.032 | 28.64 | 12.39 | 41.03 | 54 | -12.97 | AVG |
| | | | | | | |
| | | | | | | |

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

| IFUI . | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|----------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | LIEST VOITAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH1 (802.11g Mode)/2412 | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 4824.110 | 46.08 | 10.44 | 56.52 | 74 | -17.48 | peak |
| 4824.123 | 36.55 | 10.44 | 46.99 | 54 | -7.01 | AVG |
| 7236.057 | 42.35 | 12.39 | 54.74 | 74 | -19.26 | peak |
| 7236.060 | 28.24 | 12.39 | 40.63 | 54 | -13.37 | AVG |
| | | | | | | |
| | | | | | | |

Remark:



WCDMA DIGITAL MOBILE EUT: Model Name : A610 PHONE Relative Humidity: Temperature: **20** ℃ 48% DC 5V from Adapter with Pressure: 1010 hPa Test Voltage : AC 120V/60Hz Test Mode : CH6 (802.11g Mode)/2437 Polarization: Horizontal

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type | | | |
|---------------|---|--------|-------------------|----------|--------|------------|--|--|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | | | |
| 4874.054 | 45.58 | 10.4 | 55.98 | 74 | -18.02 | peak | | | |
| 4874.104 | 26.56 | 10.4 | 36.96 | 54 | -17.04 | AVG | | | |
| 7311.123 | 44.35 | 12.75 | 57.1 | 74 | -16.9 | peak | | | |
| 7311.151 | 25.85 | 12.75 | 38.6 | 54 | -15.4 | AVG | | | |
| | | | | | | | | | |
| Remark: | | | | | | | | | |
| Factor - Anto | actor = Antenna Factor + Cable Loss - Pre-amplifier | | | | | | | | |

Factor = Antenna Factor + Cable Loss – Pre-amplifier

| IFUI: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HASI VAHAAA | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH6 (802.11g Mode)/2437 | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 4874.129 | 48.65 | 10.4 | 59.05 | 74 | -14.95 | peak |
| 4874.073 | 35.34 | 10.4 | 45.74 | 54 | -8.26 | AVG |
| 7311.062 | 48.79 | 12.75 | 61.54 | 74 | -12.46 | peak |
| 7311.080 | 33.83 | 12.75 | 46.58 | 54 | -7.42 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |



WCDMA DIGITAL MOBILE EUT: Model Name : A610 PHONE Relative Humidity: Temperature: **20** ℃ 48% DC 5V from Adapter with Pressure: 1010 hPa Test Voltage : AC 120V/60Hz Test Mode : CH11 (802.11g Mode)/2462 Polarization: Horizontal

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type | | |
|---------------|------------------|----------------|-------------------|----------|--------|---------------|--|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре | | |
| 4924.071 | 49.54 | 10.39 | 59.93 | 74 | -14.07 | peak | | |
| 4924.062 | 33.46 | 10.39 | 43.85 | 54 | -10.15 | AVG | | |
| 7386.105 | 48.22 | 12.68 | 60.9 | 74 | -13.1 | peak | | |
| 7386.061 | 30.52 | 12.68 | 43.2 | 54 | -10.8 | AVG | | |
| | | | | | | | | |
| | | | | | | | | |
| Remark: | | | | | | | | |
| Factor = Ante | enna Factor + 0 | Cable Loss – P | re-amplifier. | | | | | |

| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|----------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | Hest vollage . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH11(802.11g Mode)/2462 | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|---------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 4924.094 | 46.57 | 10.39 | 56.96 | 74 | -17.04 | peak |
| 4924.114 | 34.96 | 10.39 | 45.35 | 54 | -8.65 | AVG |
| 7386.051 | 46.44 | 12.68 | 59.12 | 74 | -14.88 | peak |
| 7386.053 | 33.98 | 12.68 | 46.66 | 54 | -7.34 | AVG |
| | | | | | | |
| Remark: | | | | | | |



WCDMA DIGITAL MOBILE EUT: Model Name : A610 PHONE Relative Humidity: Temperature: **20** ℃ 48% DC 5V from Adapter with Pressure: 1010 hPa Test Voltage : AC 120V/60Hz CH1(802.11n Mode)/20MHz Test Mode : Polarization: Horizontal

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type | | |
|-----------|------------------|--------|-------------------|----------|--------|------------|--|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | | |
| 4824.137 | 46.59 | 10.44 | 57.03 | 74 | -16.97 | peak | | |
| 4824.065 | 36.51 | 10.44 | 46.95 | 54 | -7.05 | AVG | | |
| 7236.111 | 42.34 | 12.39 | 54.73 | 74 | -19.27 | peak | | |
| 7236.077 | 28.49 | 12.39 | 40.88 | 54 | -13.12 | AVG | | |
| | | | | | | | | |
| | | | | | | | | |
| Remark: | Remark: | | | | | | | |

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|----------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HEST VOIDAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH1(802.11n Mode)/20MHz | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | 1 |
| 4824.134 | 46.35 | 10.44 | 56.79 | 74 | -17.21 | peak |
| 4824.069 | 37.89 | 10.44 | 48.33 | 54 | -5.67 | AVG |
| 7236.081 | 51.51 | 12.39 | 63.9 | 74 | -10.1 | peak |
| 7236.057 | 31.61 | 12.39 | 44 | 54 | -10 | AVG |
| | | | | | | |
| _ | | | | | | |

Remark:



WCDMA DIGITAL MOBILE EUT: Model Name : A610 PHONE Relative Humidity: Temperature: **20** ℃ 48% DC 5V from Adapter with Pressure: 1010 hPa Test Voltage : AC 120V/60Hz Test Mode : CH6(802.11n Mode)/20MHz Polarization: Horizontal

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 4874.133 | 51.46 | 10.4 | 61.86 | 74 | -12.14 | peak |
| 4874.126 | 32.35 | 10.4 | 42.75 | 54 | -11.25 | AVG |
| 7311.086 | 48.82 | 12.75 | 61.57 | 74 | -12.43 | peak |
| 7311.127 | 27.93 | 12.75 | 40.68 | 54 | -13.32 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |

| IF() () | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|----------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HEST VOIDAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH6(802.11n Mode)/20MHz | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|---------------|------------------|--------------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 4874.114 | 48.26 | 10.4 | 58.66 | 74 | -15.34 | peak |
| 4874.068 | 32.14 | 10.4 | 42.54 | 54 | -11.46 | AVG |
| 7311.097 | 47.42 | 12.75 | 60.17 | 74 | -13.83 | peak |
| 7311.164 | 26.23 | 12.75 | 38.98 | 54 | -15.02 | AVG |
| | | | | | | |
| Remark: | | | | <u> </u> | | |
| Factor = Ante | nna Factor + (| Cable Loss – | Pre-amplifier. | _ | | _ |



| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | TIEST VOUACE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH11(802.11n Mode)/20MHz | Polarization : | Horizontal |

| Frequency | Meter | Factor | Emission | Limits | Margin | Value Type | |
|---|--------|--------|----------|----------|--------|------------|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | value Type | |
| 4924.076 | 50.17 | 10.39 | 60.56 | 74 | -13.44 | peak | |
| 4924.107 | 35.15 | 10.39 | 45.54 | 54 | -8.46 | AVG | |
| 7386.173 | 43.56 | 12.68 | 56.24 | 74 | -17.76 | peak | |
| 7386.157 | 31.33 | 12.68 | 44.01 | 54 | -9.99 | AVG | |
| | | | | | | | |
| | | | | | | | |
| Remark: | | | | | | | |
| Factor = Antenna Factor + Cable Loss – Pre-amplifier. | | | | | | | |

| I - III : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|------------------|----------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HEST VOIDAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH11(802.11n Mode)/20MHz | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 4924.090 | 51.22 | 10.39 | 61.61 | 74 | -12.39 | peak |
| 4924.093 | 35.69 | 10.39 | 46.08 | 54 | -7.92 | AVG |
| 7386.142 | 42.38 | 12.68 | 55.06 | 74 | -18.94 | peak |
| 7386.154 | 28.54 | 12.68 | 41.22 | 54 | -12.78 | AVG |
| | | | | | | |
| Remark: | | | | | | |



WCDMA DIGITAL MOBILE Model Name : A610 EUT: PHONE Relative Humidity: Temperature: 20 ℃ 48% DC 5V from Adapter with Pressure: 1010 hPa Test Voltage : AC 120V/60Hz Test Mode : CH3(802.11n Mode)/40MHz Horizontal Polarization:

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|---|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 4844.079 | 47.74 | 10.5 | 58.24 | 74 | -15.76 | peak |
| 4844.060 | 31.69 | 10.5 | 42.19 | 54 | -11.81 | AVG |
| 7266.219 | 48.42 | 12.5 | 60.92 | 74 | -13.08 | peak |
| 7266.318 | 31.18 | 12.5 | 43.68 | 54 | -10.32 | AVG |
| | | | | | | |
| Remark: | | | | | | |
| Factor = Antenna Factor + Cable Loss – Pre-amplifier. | | | | | | |

| EUT: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|----------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HEST VOIDAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH3(802.11n Mode)/40MHz | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type | |
|--|---------------|--------|-------------------|----------|--------|------------|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | |
| 4844.252 | 47.04 | 10.5 | 57.54 | 74 | -16.46 | peak | |
| 4844.250 | 30.69 | 10.5 | 41.19 | 54 | -12.81 | AVG | |
| 7266.159 | 48.47 | 12.5 | 60.97 | 74 | -13.03 | peak | |
| 7266.214 | 29.48 | 12.5 | 41.98 | 54 | -12.02 | AVG | |
| | | | | | | | |
| Remark: | | | | | | | |
| Factor = Antenna Factor + Cable Loss - Pre-amplifier | | | | | | | |



| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | TIEST VANIANE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH6(802.11n Mode)/40MHz | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type | |
|--|---------------|--------|-------------------|----------|--------|------------|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | |
| 4874.165 | 48.93 | 10.4 | 59.33 | 74 | -14.67 | peak | |
| 4874.216 | 33.63 | 10.4 | 44.03 | 54 | -9.97 | AVG | |
| 7311.119 | 47.54 | 12.75 | 60.29 | 74 | -13.71 | peak | |
| 7311.151 | 32.64 | 12.75 | 45.39 | 54 | -8.61 | AVG | |
| | | | | | | | |
| Remark: | | | | | | | |
| Factor = Antenna Factor + Cable Loss - Pre-amplifier | | | | | | | |

| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | TIEST VANIANE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH6(802.11n Mode)/40MHz | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|---------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | 1 |
| 4874.501 | 47.33 | 10.4 | 57.73 | 74 | -16.27 | peak |
| 4874.498 | 34.49 | 10.4 | 44.89 | 54 | -9.11 | AVG |
| 7311.559 | 46.73 | 12.75 | 59.48 | 74 | -14.52 | peak |
| 7311.624 | 35.38 | 12.75 | 48.13 | 54 | -5.87 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |



| IF() () | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|-------------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | Hest vollage . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH9(802.11n Mode)/40MHz | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|---------------|------------------|----------------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 4904.292 | 49.87 | 10.29 | 60.16 | 74 | -13.84 | peak |
| 4904.305 | 35.59 | 10.29 | 45.88 | 54 | -8.12 | AVG |
| 7356.237 | 48.49 | 12.79 | 61.28 | 74 | -12.72 | peak |
| 7356.224 | 31.54 | 12.79 | 44.33 | 54 | -9.67 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |
| Factor = Ante | nna Factor + 0 | Cable Loss – F | Pre-amplifier. | | · | |

| IEIJI : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|-------------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HEST VOIDAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH9(802.11n Mode)/40MHz | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|---|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 4904.155 | 50.49 | 10.29 | 60.78 | 74 | -13.22 | peak |
| 4904.150 | 34.46 | 10.29 | 44.75 | 54 | -9.25 | AVG |
| 7356.368 | 48.62 | 12.79 | 61.41 | 74 | -12.59 | peak |
| 7356.362 | 32.79 | 12.79 | 45.58 | 54 | -8.42 | AVG |
| | | | | | | |
| Remark: | | | | | | |
| Factor = Antenna Factor + Cable Loss – Pre-amplifier. | | | | | | |



3.2.6 TEST RESULTS (BAND EDGE)

| IEUI: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|-------------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | LIEST VOITAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH1(802.11b Mode) | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2399.900 | 79.51 | -13 | 66.51 | 74 | -7.49 | peak |
| 2399.900 | 61.46 | -13 | 48.46 | 54 | -5.54 | AVG |
| 2400.000 | 82.25 | -12.99 | 69.26 | 74 | -4.41 | peak |
| 2400.000 | 61.34 | -12.99 | 48.35 | 54 | -5.74 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

| EUT: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|-------------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | LIACI VALIANA | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH1(802.11b Mode) | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | 1 |
| 2399.900 | 81.15 | -13 | 68.15 | 74 | -5.85 | peak |
| 2399.900 | 61.52 | -13 | 48.52 | 54 | -5.48 | AVG |
| 2400.000 | 78.42 | -12.99 | 65.43 | 74 | -8.57 | peak |
| 2400.000 | 59.49 | -12.99 | 46.5 | 54 | -7.5 | AVG |
| | | | | | | |
| Remark: | | | | | | |



WCDMA DIGITAL MOBILE EUT: Model Name : A610 PHONE 20 ℃ Relative Humidity: 48% Temperature: DC 5V from Adapter with Pressure: 1010 hPa Test Voltage : AC 120V/60Hz Test Mode : CH11(802.11b Mode) Polarization: Horizontal

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2483.500 | 78.34 | -12.78 | 65.56 | 74 | -8.44 | peak |
| 2483.500 | 60.49 | -12.78 | 47.71 | 54 | -6.29 | AVG |
| 2483.600 | 79.51 | -12.77 | 66.74 | 74 | -7.26 | peak |
| 2483.600 | 60.28 | -12.78 | 47.5 | 54 | -6.5 | AVG |
| | | | | | | |
| Damada | | | | | | |

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

| EUT: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|----------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | Hest vollage . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH11(802.11b Mode) | Polarization : | Vertical |

| Frequency | Meter | Factor | Emission | Limits | Margin | Value Type |
|-----------|--------|--------|----------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | value Type |
| 2483.500 | 77.19 | -12.78 | 64.41 | 74 | -9.59 | peak |
| 2483.500 | 60.72 | -12.78 | 47.94 | 54 | -6.06 | AVG |
| 2483.600 | 78.54 | -12.77 | 65.77 | 74 | -8.23 | peak |
| 2483.600 | 59.43 | -12.77 | 46.66 | 54 | -7.34 | AVG |
| | | | | | | |
| | | | | | | |
| _ | | | | | | |

Remark:



WCDMA DIGITAL MOBILE EUT: Model Name : A610 PHONE **20** ℃ Relative Humidity: 48% Temperature : DC 5V from Adapter with Pressure: 1010 hPa Test Voltage : AC 120V/60Hz Test Mode : CH1(802.11g Mode) Polarization: Horizontal

| Frequency | Meter | Factor | Emission | Limits | Margin | Value Type |
|---------------|-----------------|----------------|----------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | value Type |
| 2399.900 | 76.25 | -13 | 63.25 | 74 | -10.75 | peak |
| 2399.900 | 59.44 | -13 | 46.44 | 54 | -7.56 | AVG |
| 2400.000 | 78.37 | -12.99 | 65.38 | 74 | -8.62 | peak |
| 2400.000 | 58.25 | -12.99 | 45.26 | 54 | -8.74 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |
| Factor = Ante | enna Factor + 0 | Cable Loss – F | Pre-amplifier. | | | |

| IFUI: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|-------------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH1(802.11gMode) | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|---------------|------------------|----------------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2399.900 | 77.95 | -13 | 64.95 | 74 | -9.05 | peak |
| 2399.900 | 60.27 | -13 | 47.27 | 54 | -6.73 | AVG |
| 2400.000 | 78.94 | -12.99 | 65.95 | 74 | -8.05 | peak |
| 2400.000 | 62.13 | -12.99 | 49.14 | 54 | -4.86 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |
| Factor = Ante | nna Factor + 0 | Cable Loss – F | re-amplifier. | | | |



| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | TIEST VOUACE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH11(802.11g Mode) | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|---------------|------------------|----------------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2483.500 | 77.11 | -12.78 | 64.33 | 74 | -9.67 | peak |
| 2483.500 | 63.25 | -12.78 | 50.47 | 54 | -3.53 | AVG |
| 2483.600 | 76.46 | -12.77 | 63.69 | 74 | -10.31 | peak |
| 2483.600 | 61.42 | -12.77 | 48.65 | 54 | -5.35 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |
| Factor = Ante | nna Factor + | Cable Loss – I | Pre-amplifier. | | | |

EUT: WCDMA DIGITAL MOBILE Model Name: A610
Temperature: 20 °C Relative Humidity: 48%

Pressure: 1010 hPa Test Voltage : DC 5V from Adapter with AC 120V/60Hz

Test Mode : CH11(802.11g Mode) Polarization : Vertical

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2483.500 | 76.32 | -12.78 | 63.54 | 74 | -10.46 | peak |
| 2483.500 | 60.43 | -12.78 | 47.65 | 54 | -6.35 | AVG |
| 2483.600 | 75.71 | -12.77 | 62.94 | 74 | -11.06 | peak |
| 2483.600 | 61.39 | -12.77 | 48.62 | 54 | -5.38 | AVG |
| | | | | | | |
| | | | | | | |



| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | TIEST VOUACE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH1(802.11n Mode)/20MHz | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type | |
|----------------|---|--------|-------------------|----------|--------|------------|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | |
| 2399.900 | 76.16 | -13 | 63.16 | 74 | -10.84 | peak | |
| 2399.900 | 58.26 | -13 | 45.26 | 54 | -8.74 | AVG | |
| 2400.000 | 78.22 | -12.99 | 65.23 | 74 | -8.77 | peak | |
| 2400.000 | 58.62 | -12.99 | 45.63 | 54 | -8.37 | AVG | |
| | | | | | | | |
| | | | | | | | |
| Remark: | | | | | | | |
| Factor = Anter | Factor = Antenna Factor + Cable Loss – Pre-amplifier. | | | | | | |

| IFUI: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | LIEST VOITAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH1(802.11n Mode)/20M | Polarization : | Vertical |

| Frequency | Meter | Factor | Emission | Limits | Margin | Value Type | |
|---|--------|--------|----------|----------|--------|------------|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | value Type | |
| 2399.900 | 77.83 | -13 | 64.83 | 74 | -9.17 | peak | |
| 2399.900 | 58.34 | -13 | 45.34 | 54 | -8.66 | AVG | |
| 2400.000 | 76.46 | -12.99 | 63.47 | 74 | -10.53 | peak | |
| 2400.000 | 59.41 | -12.99 | 46.42 | 54 | -7.58 | AVG | |
| | | | | | | | |
| Domark: | | | | | | | |
| Remark: | | | | | | | |
| Factor = Antenna Factor + Cable Loss – Pre-amplifier. | | | | | | | |



WCDMA DIGITAL MOBILE EUT: Model Name : A610 PHONE 20 ℃ Relative Humidity: 48% Temperature: DC 5V from Adapter with Pressure: 1010 hPa Test Voltage : AC 120V/60Hz Test Mode : CH11(802.11n Mode)/20MHz Polarization: Horizontal

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type | |
|-----------|------------------|--------|-------------------|----------|--------|------------|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | |
| 2483.500 | 77.49 | -12.78 | 64.71 | 74 | -9.29 | peak | |
| 2483.500 | 56.75 | -12.78 | 43.97 | 54 | -10.03 | AVG | |
| 2483.600 | 75.22 | -12.77 | 62.45 | 74 | -11.55 | peak | |
| 2483.600 | 57.35 | -12.77 | 44.58 | 54 | -9.42 | AVG | |
| | | | | | | | |
| | | | | | | | |
| Remark: | Remark: | | | | | | |

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

| EUT: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|----------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HEST VOIDAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH11(802.11n Mode)/20MHz | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2483.500 | 73.27 | -12.78 | 60.45 | 74 | -13.55 | peak |
| 2483.500 | 59.54 | -12.78 | 46.84 | 54 | -7.16 | AVG |
| 2483.600 | 73.69 | -12.78 | 60.45 | 74 | -13.55 | peak |
| 2483.600 | 59.16 | -12.78 | 46.84 | 54 | -7.16 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |

Factor = Antenna Factor + Cable Loss - Pre-amplifier.



WCDMA DIGITAL MOBILE EUT: Model Name : A610 PHONE Temperature: 20 ℃ Relative Humidity: 48% DC 5V from Adapter Pressure: Test Voltage : 1010 hPa with AC 120V/60Hz Test Mode : CH3(802.11n Mode)/40M Horizontal Polarization:

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type | | |
|---------------|---|--------|-------------------|----------|--------|------------|--|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | | |
| 2399.900 | 77.89 | -13 | 64.89 | 74 | -9.11 | peak | | |
| 2399.900 | 58.21 | -13 | 45.21 | 54 | -8.79 | AVG | | |
| 2400.000 | 77.83 | -12.99 | 64.84 | 74 | -9.16 | peak | | |
| 2400.000 | 59.25 | -12.99 | 46.26 | 54 | -7.74 | AVG | | |
| | | | | | | | | |
| | | | | | | | | |
| Remark: | | | | | | | | |
| Factor = Ante | Factor = Antenna Factor + Cable Loss – Pre-amplifier. | | | | | | | |

EUT: WCDMA DIGITAL MOBILE Model Name: A610

Temperature: 20 °C Relative Humidity: 48%

Pressure: 1010 hPa Test Voltage : DC 5V from Adapter with AC 120V/60Hz

Test Mode : CH3(802.11n Mode)/40MHz Polarization : Vertical

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2399.900 | 80.15 | -13 | 67.15 | 74 | -6.85 | peak |
| 2399.900 | 55.57 | -13 | 42.57 | 54 | -11.43 | AVG |
| 2400.000 | 78.39 | -12.99 | 65.4 | 74 | -8.6 | peak |
| 2400.000 | 55.36 | -12.99 | 42.37 | 54 | -11.63 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | | | | | | |

Factor = Antenna Factor + Cable Loss – Pre-amplifier.



| | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|-------------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HASI VAHAAA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH9(802.11n Mode)/40MHz | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Value Type |
|-----------|------------------|--------|-------------------|----------|--------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2483.500 | 76.89 | -12.78 | 64.11 | 74 | -9.89 | peak |
| 2483.500 | 59.14 | -12.78 | 46.36 | 54 | -7.64 | AVG |
| 2483.600 | 77.54 | -12.77 | 64.77 | 74 | -9.23 | peak |
| 2483.600 | 61.37 | -12.77 | 48.6 | 54 | -5.4 | AVG |
| | | | | | | |
| | | | | | | |
| Remark: | Remark: | | | | | |

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

| H-U11 . | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|----------------------------|--------------------|--------------------------------------|
| Temperature : | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | HEST VOIIAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | CH9(802.11n Mode)/40MHz | Polarization : | Vertical |

| Frequency Meter Reading Factor Emission Level Limits Margin Value Type (MHz) (dBμV) (dB) (dBμV/m) (dBμV/m) (dB) 2483.500 77.67 -12.78 64.89 74 -9.11 peak 2483.500 60.48 -12.78 47.7 54 -6.3 AVG 2483.600 78.12 -12.78 65.34 74 -8.66 peak 2483.600 59.34 -12.78 46.56 54 -7.44 AVG | | | | | | | |
|---|-----------|--------|--------|----------|----------|--------|------------|
| 2483.500 77.67 -12.78 64.89 74 -9.11 peak 2483.500 60.48 -12.78 47.7 54 -6.3 AVG 2483.600 78.12 -12.78 65.34 74 -8.66 peak | Frequency | | Factor | | Limits | Margin | Value Type |
| 2483.500 60.48 -12.78 47.7 54 -6.3 AVG 2483.600 78.12 -12.78 65.34 74 -8.66 peak | (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2483.600 78.12 -12.78 65.34 74 -8.66 peak | 2483.500 | 77.67 | -12.78 | 64.89 | 74 | -9.11 | peak |
| | 2483.500 | 60.48 | -12.78 | 47.7 | 54 | -6.3 | AVG |
| 2483.600 59.34 -12.78 46.56 54 -7.44 AVG | 2483.600 | 78.12 | -12.78 | 65.34 | 74 | -8.66 | peak |
| | 2483.600 | 59.34 | -12.78 | 46.56 | 54 | -7.44 | AVG |
| | | | | | | | |
| | | | | | | | |

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Low measurement frequencies is range from 2310 to 2400 MHz, high measurement frequencies is range from 2483.5 to 2500 MHz.

Only show the worst point data of the emissions in the frequency 2310-2400 MHz and 2483.5-2500 MHz.



4. CONDUCTED SPURIOUS EMISSIONS

4.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

4.2 TEST PROCEDURE

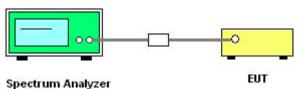
| Spectrum Parameter | Setting |
|---------------------------------------|---------------------------------|
| Detector | Peak |
| Start/Stop Frequency | 30 MHz to 10th carrier harmonic |
| RB / VB (emission in restricted band) | 100 KHz/300 KHz |
| Trace-Mode: | Max hold |

For Band edge

| Spectrum Parameter | Setting | |
|---------------------------------------|-----------------------------------|--|
| Detector | Peak | |
| Stort/Ston Eraguanay | Lower Band Edge: 2300 to 2430 MHz | |
| Start/Stop Frequency | Upper Band Edge: 2450 to 2500 MHz | |
| RB / VB (emission in restricted band) | 100 KHz/300 KHz | |
| Trace-Mode: | Max hold | |

4.3 DEVIATION FROM STANDARD No deviation.

4.4 TEST SETUP



The EUT which is powered by the Battery, is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

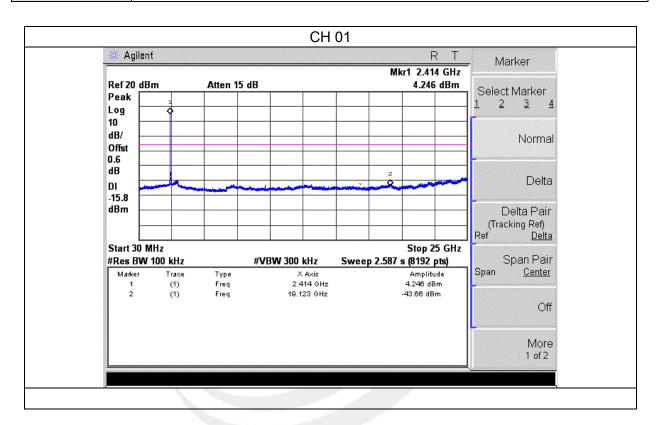
4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

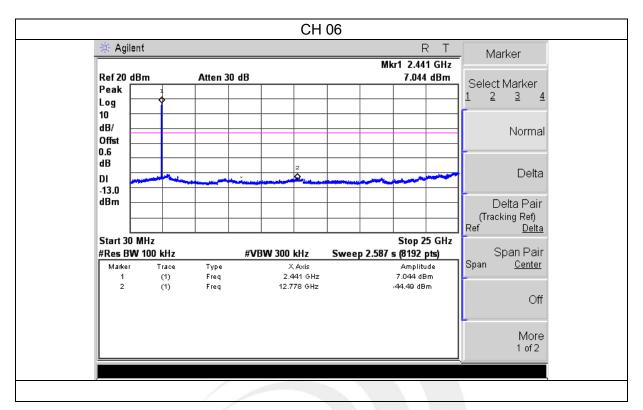


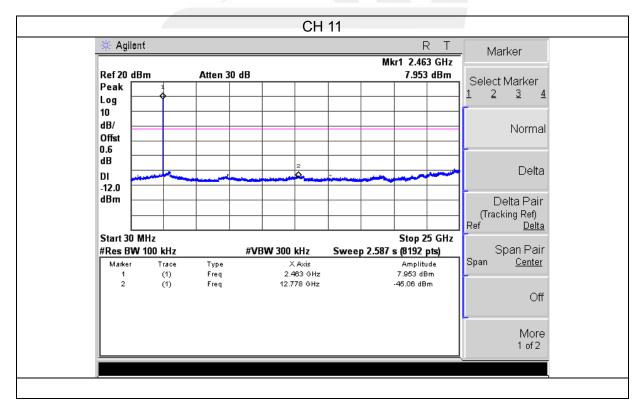
4.6 TEST RESULTS

| IFUI: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1015 hPa | TIEST VANIANE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX b Mode /CH01, CH06, CH11 | | |



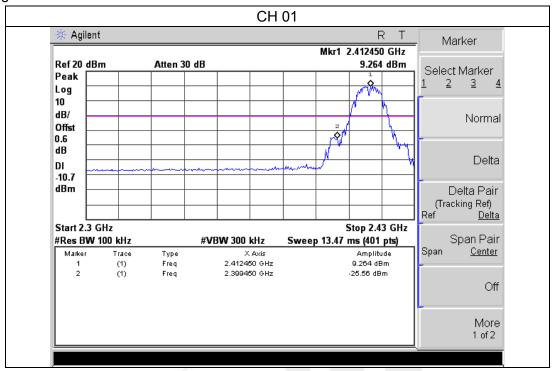


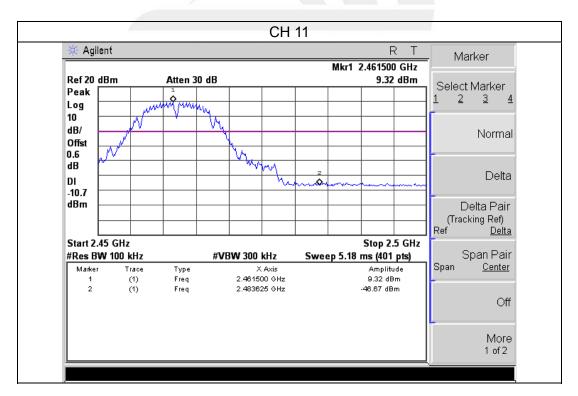






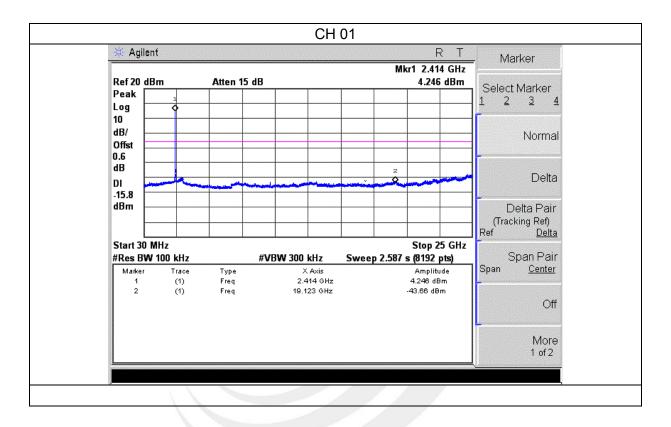
Band edge



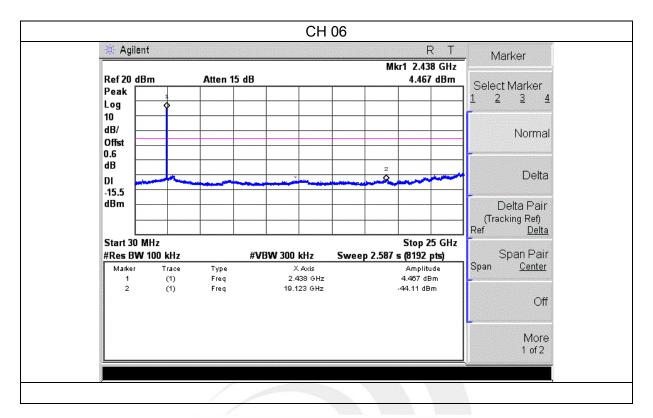


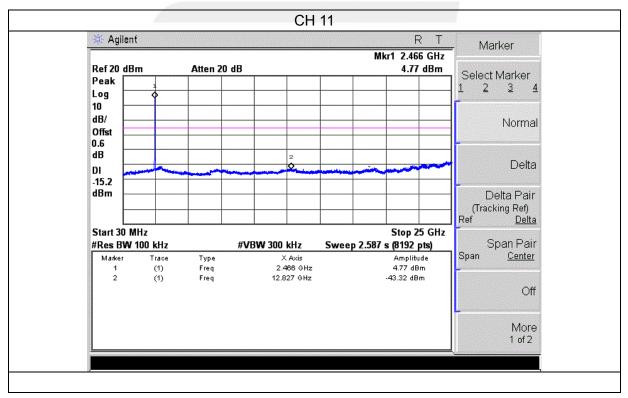


| EUT: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|-----------------------------|--------------------|--------------------------------------|
| Temperature : | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1015 hPa | HEST VOUZOE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX g Mode /CH01, CH06, CH11 | | |





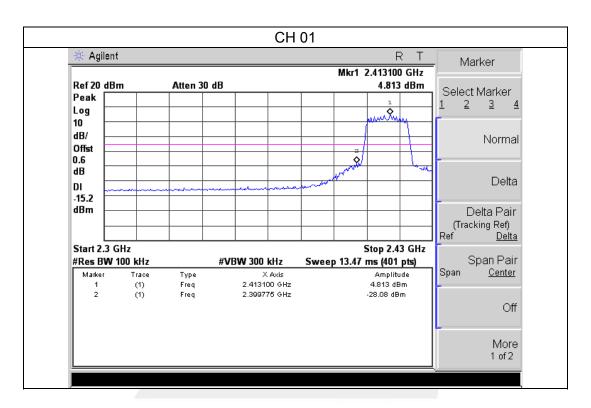


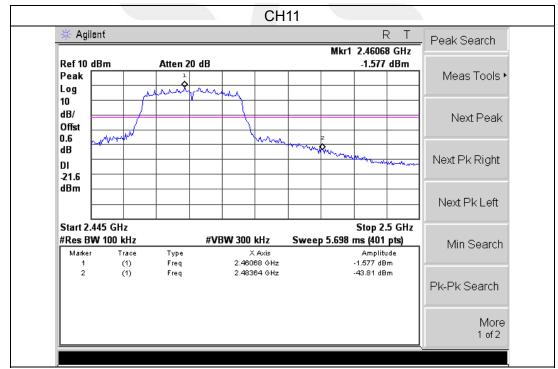






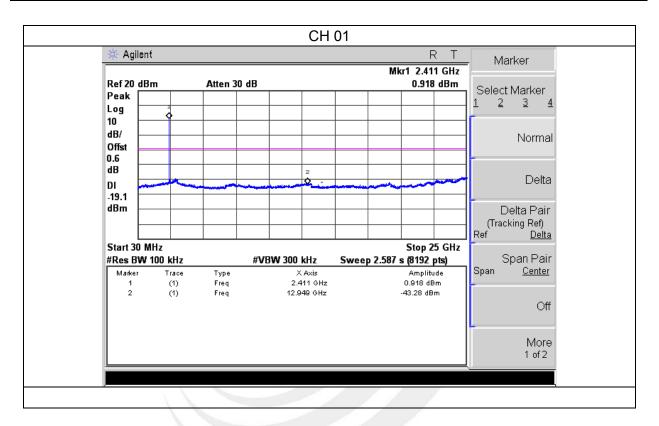
Band edge



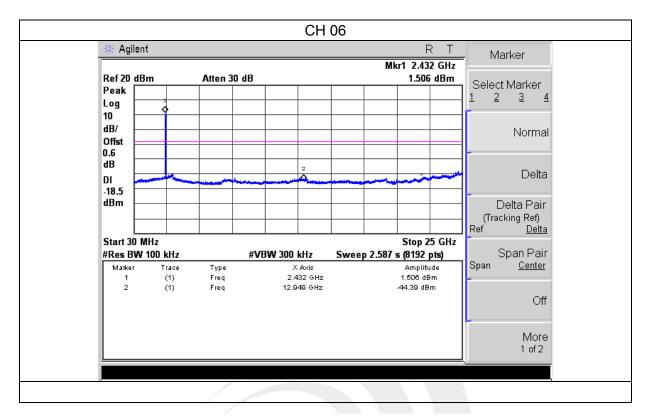


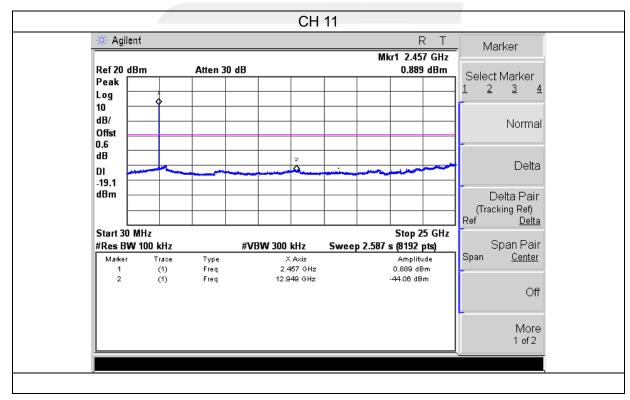


| IFUI : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|----------------------------------|--------------------|--------------------------------------|
| Temperature : | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1015 hPa | HESI VOUAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX n Mode(20M) /CH01, CH06, CH11 | | |





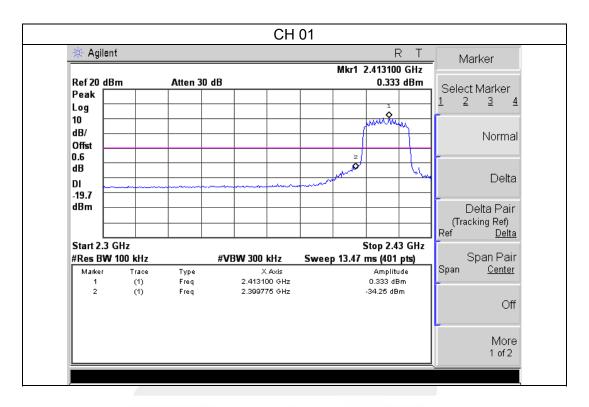


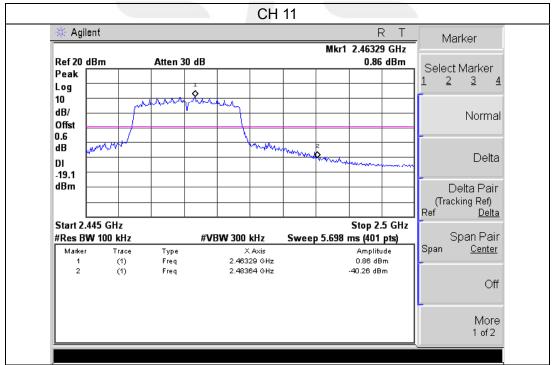






Band edge

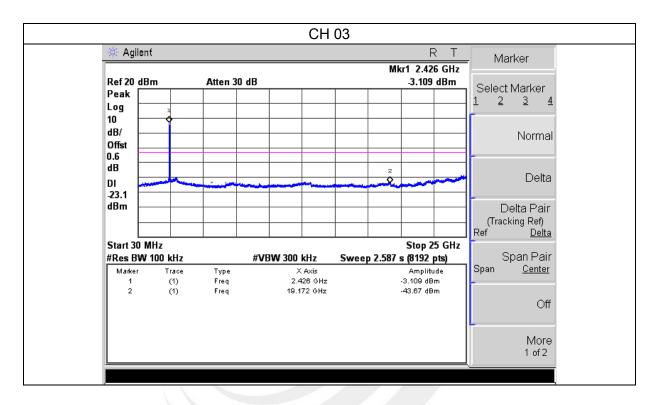




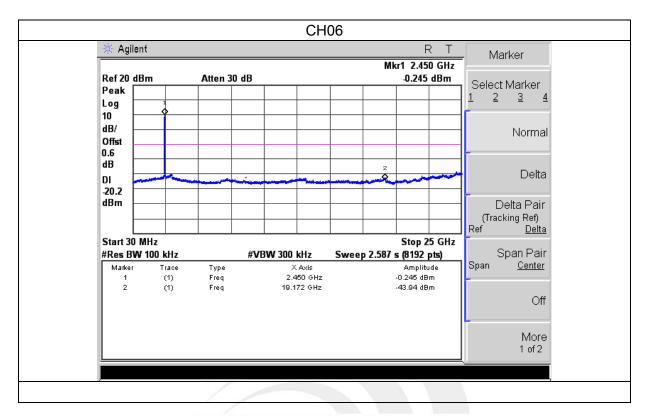


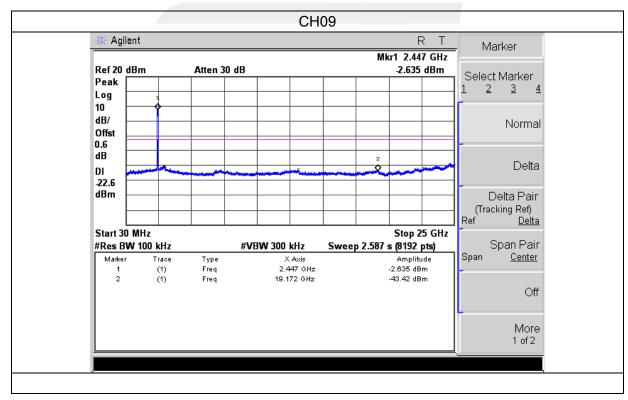


| IEUI: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|----------------------------------|--------------------|--------------------------------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1015 hPa | Hest vollage . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX n Mode(40M) /CH03, CH06, CH09 | | |





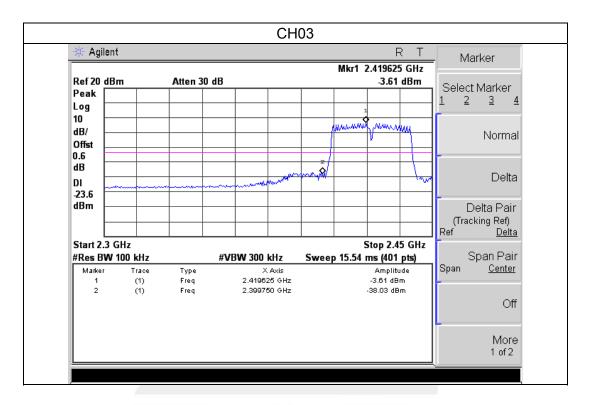


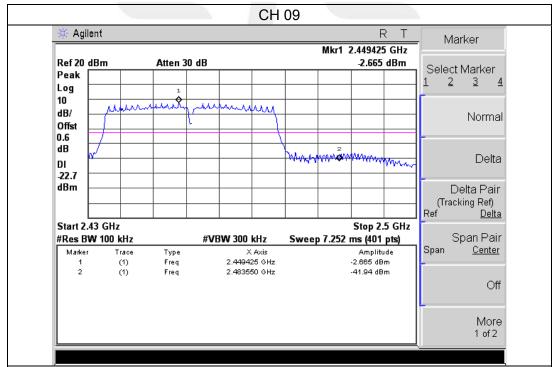






Band edge







5. POWER SPECTRAL DENSITY TEST

5.1 APPLIED PROCEDURES / LIMIT

| | FCC Part15 (15.247) , Subpart C | | | | | |
|---------|---------------------------------|------------------------|--------------------------|--------|--|--|
| Section | Test Item | Limit | Frequency Range (MHz) | Result | | |
| 15.247 | Power Spectral Density | 8 dBm (in any 3KHz) | 2400-2483.5 | PASS | | |

5.2 TEST PROCEDURE

- 1. Set analyzer center frequency to DTS channel center frequency.
- 2. Set the span to 1.5 times the DTS channel bandwidth.
- 3. Set the RBW ≥ 3 kHz.
- 4. Set the VBW \geq 3 x RBW.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.3 DEVIATION FROM STANDARD No deviation.

5.4 TEST SETUP

| EUT | SPECTRUM |
|-----|----------|
| | ANALYZER |

5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

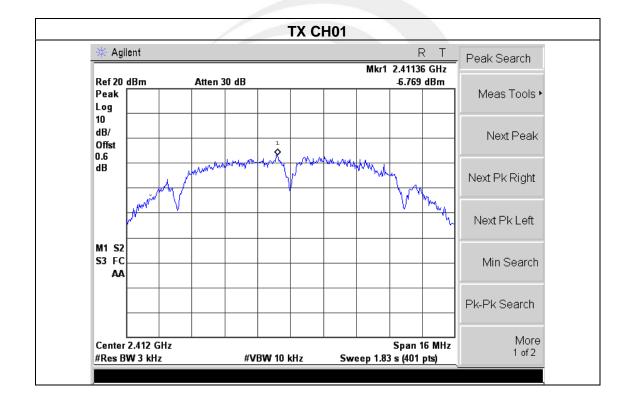




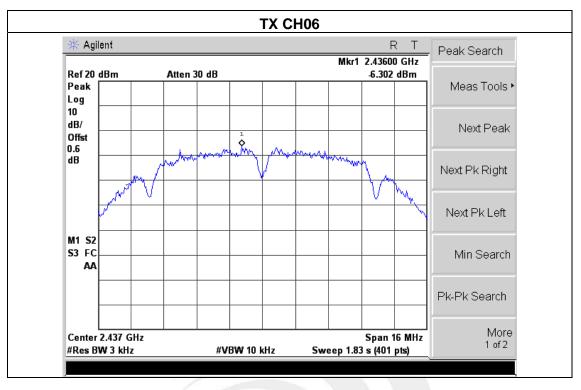
5.6 TEST RESULTS

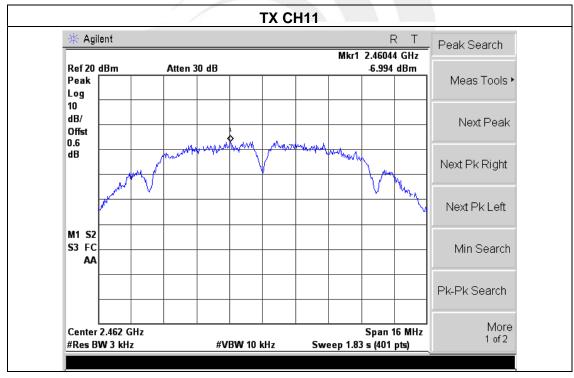
| IEUI: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|-------------------------------|--------------------|--------------------------------------|
| Temperature : | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1015 hPa | HASI VAHAAA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX b Mode /CH01, CH06, CH11 | | |

| Frequency | Power Density (dBm) | Limit (dBm) | Result |
|-----------|------------------------|----------------|--------|
| 2412 MHz | -6.769 | 8 | PASS |
| 2437 MHz | -6.302 | 8 | PASS |
| 2462 MHz | -6.994 | 8 | PASS |





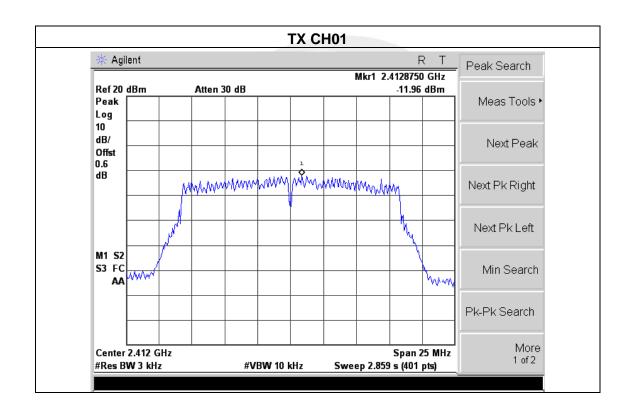




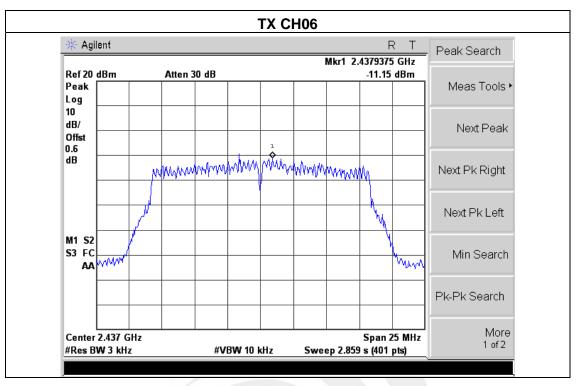


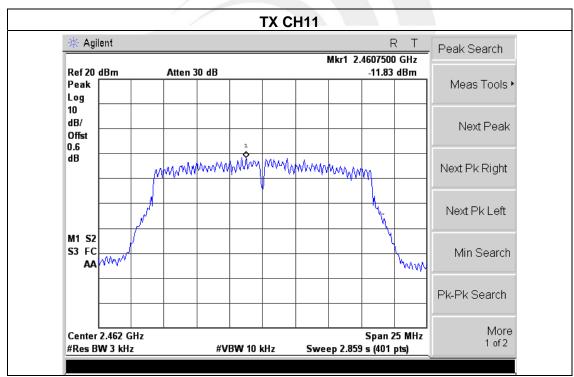
| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1015 hPa | HEST VOUGUE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX g Mode /CH01, CH06, CH11 | | |

| Frequency | Power Density (dBm) | Limit (dBm) | Result |
|-----------|------------------------|----------------|--------|
| 2412 MHz | -11.96 | 8 | PASS |
| 2437 MHz | -11.15 | 8 | PASS |
| 2462 MHz | -11.83 | 8 | PASS |





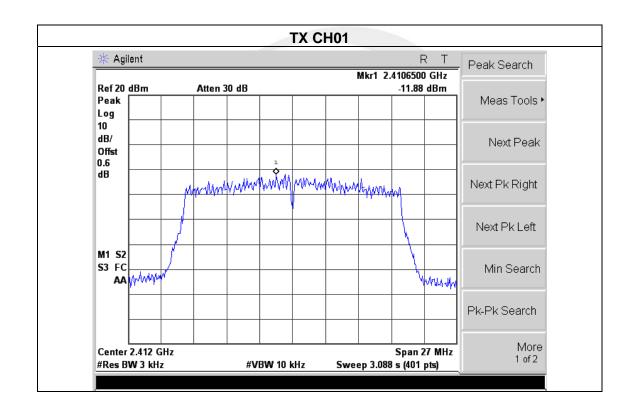




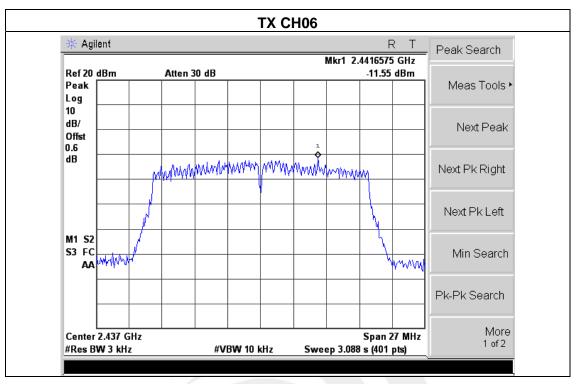


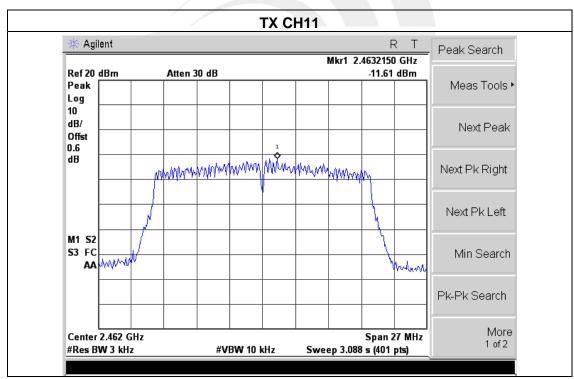
| IEUI: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|----------------------------------|--------------------|--------------------------------------|
| Temperature : | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1015 hPa | HASI VAHAAA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX n Mode(20M) /CH01, CH06, CH11 | | |

| Frequency | Power Density (dBm) | Limit (dBm) | Result |
|-----------|------------------------|----------------|--------|
| 2412 MHz | -11.88 | 8 | PASS |
| 2437 MHz | -11.55 | 8 | PASS |
| 2462 MHz | -11.61 | 8 | PASS |





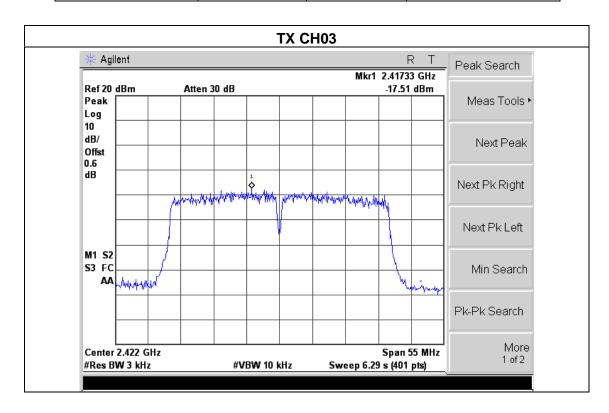




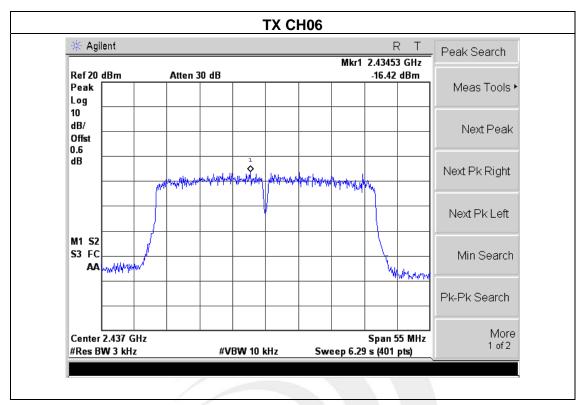


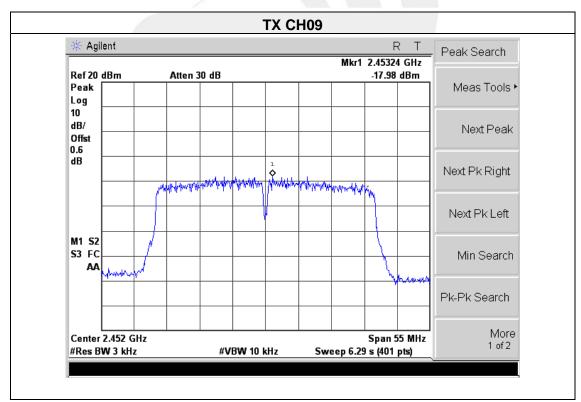
| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|----------------------------------|--------------------|--------------------------------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1015 hPa | HASI VAHAAA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX n Mode(40M) /CH03, CH06, CH09 | | |

| Frequency | Power Density (dBm) | Limit (dBm) | Result |
|-----------|------------------------|----------------|--------|
| 2422 MHz | -17.51 | 8 | PASS |
| 2437 MHz | -16.42 | 8 | PASS |
| 2452 MHz | -17.98 | 8 | PASS |











6. BANDWIDTH TEST

6.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C | | | | |
|---------------------------------|-----------|------------------------------|--------------------------|--------|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247(a)(2) | Bandwidth | >= 500KHz (6dB bandwidth) | 2400-2483.5 | PASS |

6.2 TEST PROCEDURE

- 1. Set RBW = 100 kHz.
- 2. Set the video bandwidth (VBW) ≥ 3 ' RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 d B relative to the maximum level measured in the fundamental emission.

6.3 DEVIATION FROM STANDARD No deviation.

6.4 TEST SETUP

| EUT | SPECTRUM |
|-----|----------|
| | ANALYZER |

6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

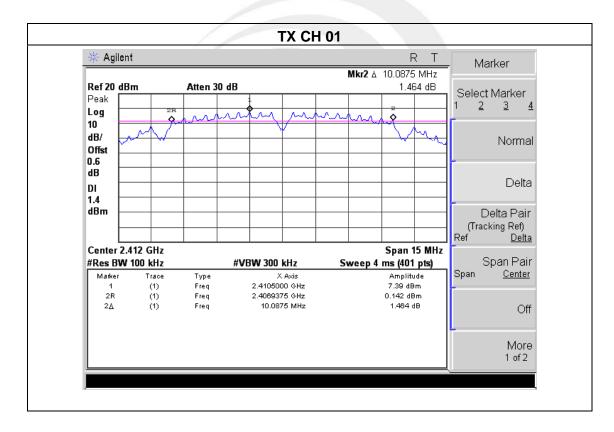




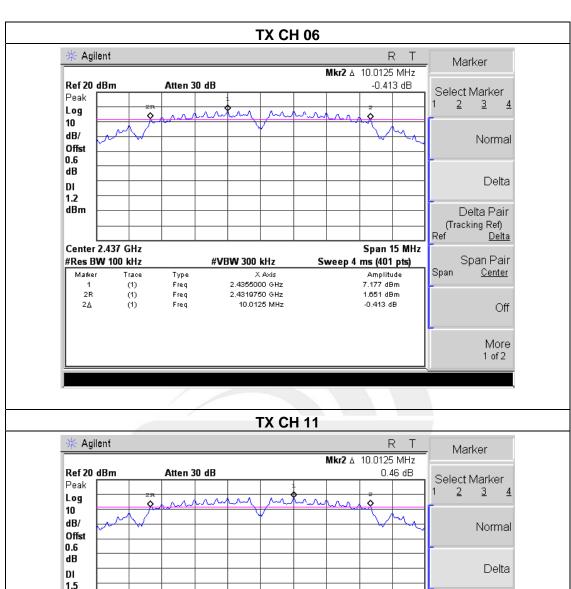
6.6 TEST RESULTS

| IFUI: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1012 hPa | TIEST VANIANE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX b Mode /CH01, CH06, CH11 | | |

| Frequency | 6dB Bandwidth (MHz) | Channel Separation (MHz) | Result |
|-----------|------------------------|--------------------------------|--------|
| 2412 MHz | 10.088 | >=500KHz | PASS |
| 2437 MHz | 10.013 | >=500KHz | PASS |
| 2462 MHz | 10.013 | >=500KHz | PASS |







#VBW 300 kHz

X Axis 2.4635000 GHz

2.4569750 GHz

10.0125 MHz

Delta Pair (Tracking Ref)

Span Pair

<u>Delta</u>

Center

Off

More 1 of 2

Ref

Span

Span 15 MHz

Amplitude 7.492 dBm

1.356 dBm

0.46 dB

Sweep 4 ms (401 pts)

dBm

Center 2.462 GHz

#Res BW 100 kHz

(1) (1) Freq

Freq

Marker

2R

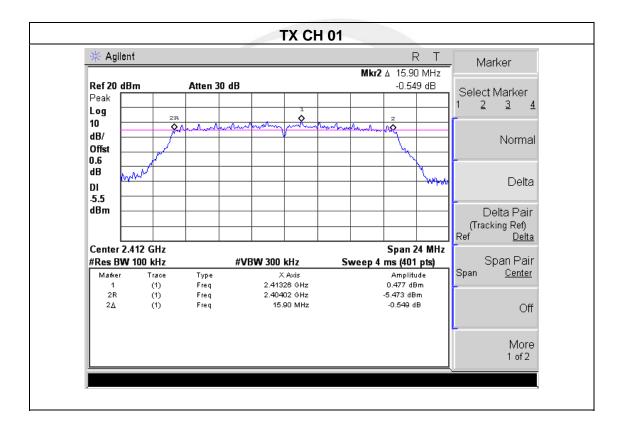
2∆



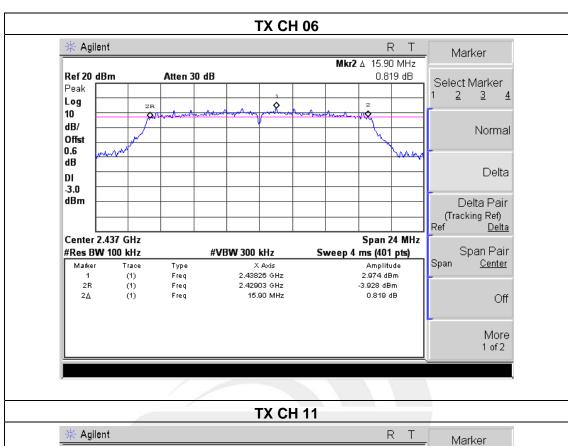


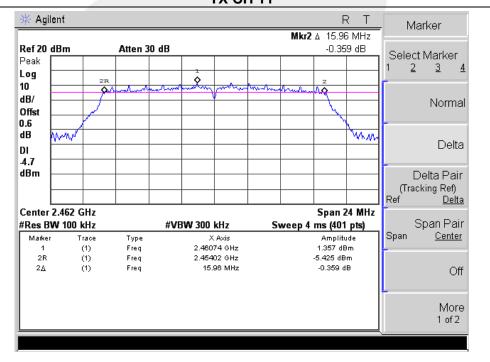
| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|-------------------------------|--------------------|--------------------------------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1012 hPa | HASI VAHAAA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX g Mode /CH01, CH06, CH11 | | |

| Frequency | 6dB Bandwidth (MHz) | Channel Separation (MHz) | Result |
|-----------|------------------------|--------------------------------|--------|
| 2412 MHz | 15.900 | >=500KHz | PASS |
| 2437 MHz | 15.900 | >=500KHz | PASS |
| 2462 MHz | 15.960 | >=500KHz | PASS |





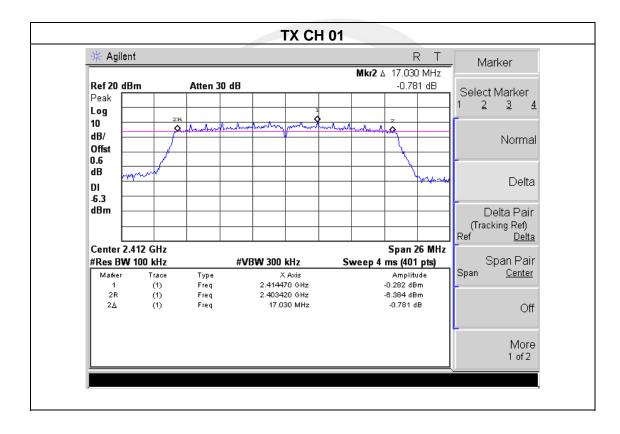




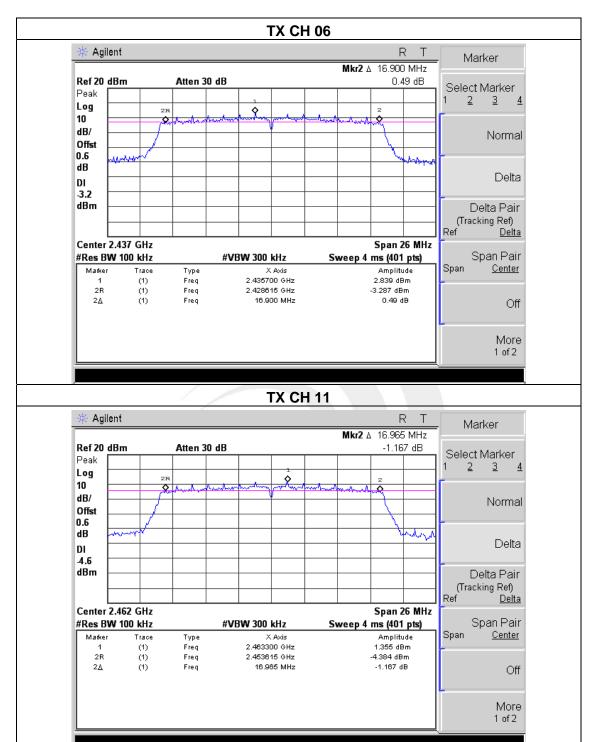


| EUI: | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|----------------------------------|--------------------|--------------------------------------|
| Temperature : | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1012 hPa | HEST VOUGUE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX n Mode(20M) /CH01, CH06, CH11 | | |

| Frequency | 6dB Bandwidth (MHz) | Channel Separation (MHz) | Result |
|-----------|------------------------|--------------------------------|--------|
| 2412 MHz | 17.030 | >=500KHz | PASS |
| 2437 MHz | 16.900 | >=500KHz | PASS |
| 2462 MHz | 16.965 | >=500KHz | PASS |



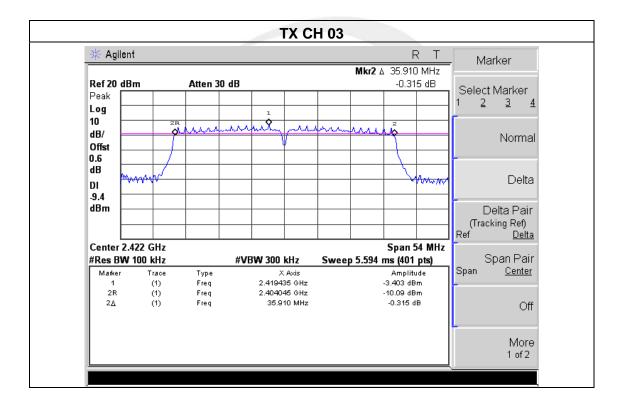




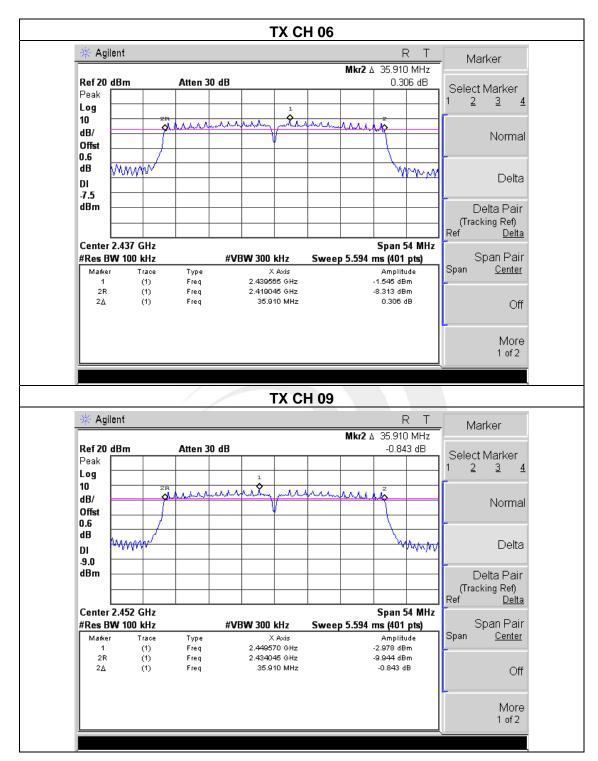


| I=111 : | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|--------------|----------------------------------|--------------------|--------------------------------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1012 hPa | HASI VAHAAA . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | TX n Mode(40M) /CH03, CH06, CH09 | | |

| Frequency | 6dB Bandwidth (MHz) | Channel Separation (MHz) | Result |
|-----------|------------------------|--------------------------------|--------|
| 2422 MHz | 35.910 | >=500KHz | PASS |
| 2437 MHz | 35.910 | >=500KHz | PASS |
| 2452 MHz | 35.910 | >=500KHz | PASS |









7. PEAK OUTPUT POWER TEST

7.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C | | | | |
|--|----------------------|-----------------|-------------|------|
| Section Test Item Limit Frequency Range (MHz) Result | | | Result | |
| 15.247(b)(3) | Peak Output Power | 1 watt or 30dBm | 2400-2483.5 | PASS |

7.2 TEST PROCEDURE

a. The EUT was directly connected to the Power Sensor&Power meter

7.3 DEVIATION FROM STANDARD No deviation.

7.4 TEST SETUP

| EUT | | Power Meter |
|-----|--|-------------|
|-----|--|-------------|

7.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



7.5 TEST RESULTS

| HIII . | WCDMA DIGITAL MOBILE PHONE | Model Name : | A610 |
|---------------|---|--------------------|--------------------------------------|
| Temperature : | 25 ℃ | Relative Humidity: | 60% |
| Pressure : | 1012 hPa | LIEST VOITAGE . | DC 5V from Adapter with AC 120V/60Hz |
| Test Mode : | est Mode : TX b/g/n(20M,40M) Mode /CH01, CH06, CH11 | | |

| TX 802.11b Mode | | | |
|-----------------|-----------|-----------------------------|-------|
| Test | Frequency | Peak Conducted Output Power | LIMIT |
| Channe | (MHz) | (dBm) | dBm |
| CH01 | 2412 | 16.89 | 30 |
| CH06 | 2437 | 17.80 | 30 |
| CH11 | 2462 | 17.64 | 30 |

| | TX 802.11g Mode | | | |
|--------|-----------------|-----------------------------|-------|--|
| Test | Frequency | Peak Conducted Output Power | LIMIT | |
| Channe | (MHz) | (dBm) | dBm | |
| CH01 | 2412 | 13.61 | 30 | |
| CH06 | 2437 | 14.37 | 30 | |
| CH11 | 2462 | 13.69 | 30 | |

| | TX 802.11n20 Mode | | | |
|--------|-------------------|-----------------------------|-------|--|
| Test | Frequency | Peak Conducted Output Power | LIMIT | |
| Channe | (MHz) | (dBm) | dBm | |
| CH01 | 2412 | 13.11 | 30 | |
| CH06 | 2437 | 14.54 | 30 | |
| CH11 | 2462 | 13.61 | 30 | |

| | TX 802.11n40 Mode | | | |
|--------|-------------------|-----------------------------|-------|--|
| Test | Frequency | Peak Conducted Output Power | LIMIT | |
| Channe | (MHz) | (dBm) | dBm | |
| CH03 | 2422 | 10.56 | 30 | |
| CH06 | 2437 | 11.35 | 30 | |
| CH09 | 2452 | 11.18 | 30 | |



8. ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2 EUT ANTENNA

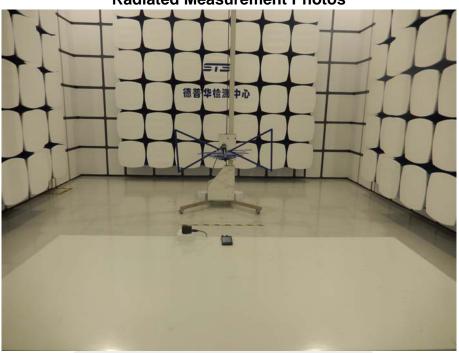
The EUT antenna is PIFA Antenna. It comply with the standard requirement.

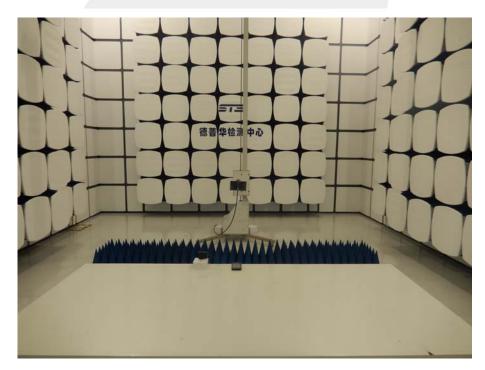




APPENDIX - PHOTOS OF TEST SETUP













Conducted Measurement Photos

