
FCC Test Report

Report No.: AGC09347170201FE03

FCC ID : 2ALG4-WTX
APPLICATION PURPOSE : Original Equipment
PRODUCT DESIGNATION : Smart Watch / WTX
BRAND NAME : Golf Buddy
MODEL NAME : WTX, DSC-WTX-100
CLIENT : DECA System CORP.
DATE OF ISSUE : Apr.06, 2017
STANDARD(S) : FCC Part 15 Subpart C Section 15.249
TEST PROCEDURE(S) :
REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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Report Revise Record

| Report Version | Revise Time | Issued Date | Valid Version | Notes |
|-----------------------|--------------------|--------------------|----------------------|-----------------|
| V1.0 | / | Apr.06, 2017 | Valid | Original Report |

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1. VERIFICATION OF CONFORMITY

| | |
|---------------------------------|---|
| Applicant | DECA System CORP. |
| Address | 98, Yatap-ro, Bundang-Gu, Seongnam-si, Gyeonggi-do, 13517. Korea |
| Manufacturer | SHENZHEN RF TECHNOLOGY CO., LTD |
| Address | 3/F-5/F, building 4, Baokun Science and technology, Industrial Park, Dalang Street, Baoan District, Shenzhen, China |
| Product Designation | Smart Watch / WTX |
| Brand Name | Golf Buddy |
| Test Model | WTX |
| Series Model | DSC-WTX-100 |
| Difference description | All the same except for the model name. |
| Date of test | Feb.09, 2017 to Feb.13, 2017 |
| Deviation | None |
| Condition of Test Sample | Normal |
| Report Template | AGCRT-US-BR/RF |

We hereby certify that:

The above equipment was tested by Dongguan Precise Testing Service Co., Ltd. The test data, the energy emitted by the sample tested as described in this report is in compliance with the requirements of FCC Rules Part 15.249.

Tested By

Strive Liang(Liang Faqiang)

Feb.13, 2017

Reviewed By

Forrest Lei(Lei Yonggang)

Apr.06, 2017

Approved By

Solger Zhang(Zhang Hongyi)
Authorized Officer

Apr.06, 2017

2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

| | |
|----------------------------|---|
| Operation Frequency | 2.402 GHz to 2.480GHz |
| RF Output Power | 3.45dBm(Max EIRP Power=Max radiation field-95.2) |
| Bluetooth Version | V 4.0 |
| Modulation | GFSK , $\pi/4$ -DQPSK, 8DPSK for BR/EDR, GFSK for BLE |
| Number of channels | 79 for BR/EDR, 40 for BLE |
| Hardware Version | V1.0 |
| Software Version | V1.0 |
| Antenna Designation | PCB Antenna (Met 15.203 Antenna requirement) |
| Antenna Gain | 0dBi |
| Power Supply | DC 3.8V by battery |

2.2. TABLE OF CARRIER FREQUENCYS

BR/EDR channel List

| Frequency Band | Channel Number | Frequency |
|-----------------------|-----------------------|------------------|
| 2400~2483.5MHz | 0 | 2402MHz |
| | 1 | 2403MHz |
| | : | : |
| | 38 | 2440 MHz |
| | 39 | 2441 MHz |
| | 40 | 2442 MHz |
| | : | : |
| | 77 | 2479 MHz |
| | 78 | 2480 MHz |

BLE Channel List

| Frequency Band | Channel Number | Frequency |
|----------------|----------------|-----------|
| 2400~2483.5MHz | 0 | 2402MHz |
| | 1 | 2404MHz |
| | : | : |
| | 38 | 2478 MHz |
| | 39 | 2480 MHz |

3. 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 %.

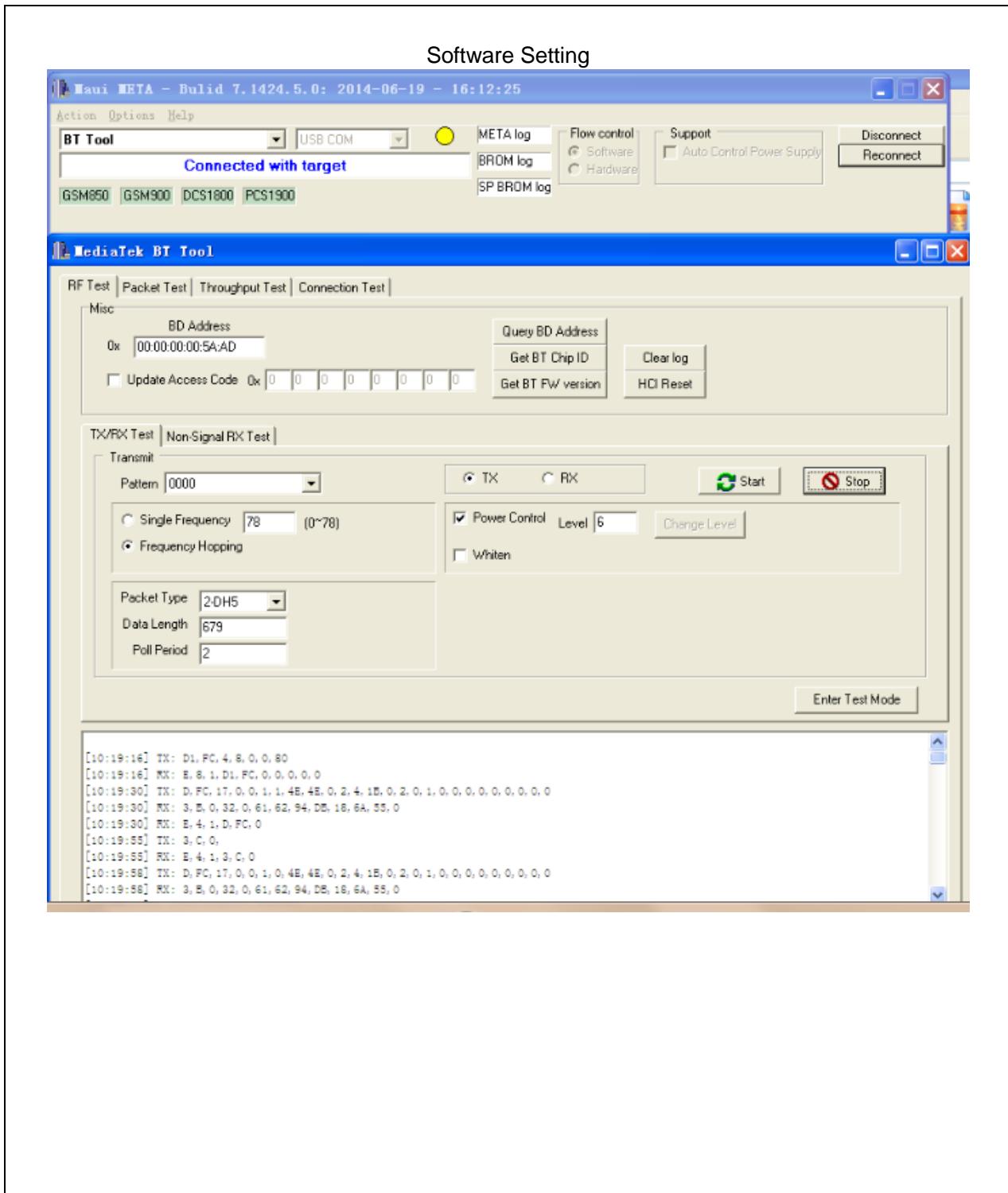
| No. | Item | Uncertainty |
|-----|-------------------------|-------------------------|
| 1 | Conducted Emission Test | $\pm 3.18\text{dB}$ |
| 2 | All emissions, radiated | $\pm 3.91\text{dB}$ |
| 3 | Temperature | $\pm 0.5^\circ\text{C}$ |
| 4 | Humidity | $\pm 2\%$ |

4. DESCRIPTION OF TEST MODES

| NO. | TEST MODE DESCRIPTION |
|-----|-------------------------------|
| 1 | Low channel GFSK |
| 2 | Middle channel GFSK |
| 3 | High channel GFSK |
| 4 | Low channel $\pi/4$ -DQPSK |
| 5 | Middle channel $\pi/4$ -DQPSK |
| 6 | High channel $\pi/4$ -DQPSK |
| 7 | Low channel 8DPSK |
| 8 | Middle channel 8DPSK |
| 9 | High channel 8DPSK |
| 10 | BT Link with charging |
| 11 | BT Link |

Note:

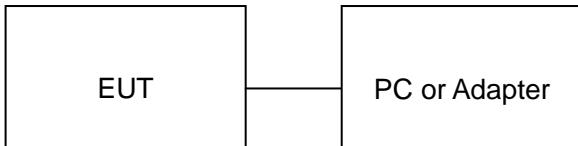
1. All the test modes can be supply by battery, only the result of the worst case was recorded in the report, if no other cases.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
3. The EUT used fully-charged battery when tested.



5. SYSTEM TEST CONFIGURATION

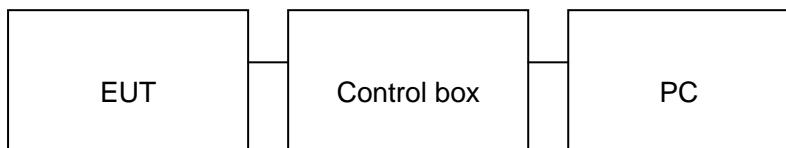
5.1. CONFIGURATION OF EUT SYSTEM

Configure 1: (Normal hopping)



Note: Owing to the EUT has own battery, Testing will be performed while PC or adapter remove.

Configure 2: (Control continuous TX)



5.2. EQUIPMENT USED IN EUT SYSTEM

| Item | Equipment | Mfr/Brand | Model/Type No. | Remark |
|------|-------------------|------------|----------------|-----------|
| 1 | Smart Watch / WTX | Golf Buddy | WTX | EUT |
| 2 | Battery | Ding Sharp | DR582525 | Accessory |
| 3 | PC | Sony | E1412AYCW | A.E |
| 4 | PC Adapter | Sony | AC-L100 | A.E |
| 5 | Control box | GZUT | USB_TTL | A.E |
| 6 | Adapter | IPRO | NTR-S01 | A.E |

5.3. SUMMARY OF TEST RESULTS

| FCC RULES | DESCRIPTION OF TEST | RESULT |
|-----------------------|---------------------|-----------|
| §15.249(a) §15.209 | Radiated Emission | Compliant |
| §15.249(d) | Band Edges | Compliant |
| §15.207 | Conduction Emission | Compliant |
| §15.215 | Bandwidth | Compliant |

6. TEST FACILITY

| | |
|-----------------------------|--|
| Site | Dongguan Precise Testing Service Co., Ltd. |
| Location | Building D,Baoding Technology Park,Guangming Road2,Dongcheng District, Dongguan, Guangdong, China, |
| FCC Registration No. | 371540 |
| Description | The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2014. |

7. TEST METHOD

All measurements contained in this report were conducted with ANSI C63.10-2013

8. TEST EQUIPMENT LIST

FOR RADIATED EMISSION TEST (BELOW 1GHz)

| Radiated Emission Test Site | | | | | |
|-------------------------------------|---------------|--------------|---------------|------------------|-----------------|
| Name of Equipment | Manufacturer | Model Number | Serial Number | Last Calibration | Due Calibration |
| EMI Test Receiver | ROHDE&SCHWARZ | ESCI | 101417 | July 4, 2016 | July 3, 2017 |
| Trilog Broadband Antenna (25M-1GHz) | SCHWARZBECK | VULB9160 | 9160-3355 | July 4, 2016 | July 3, 2017 |
| Signal Amplifier | SCHWARZBECK | BBV 9475 | 9745-0013 | July 4, 2016 | July 3, 2017 |
| RF Cable | SCHWARZBECK | AK9515E | 96221 | July 4, 2016 | July 3, 2017 |
| 3m Anechoic Chamber | CHENGYU | 966 | PTS-001 | June 6, 2016 | June 5, 2017 |
| MULTI-DEVICE Positioning Controller | MAX-FULL | MF-7802 | MF780208339 | N/A | N/A |
| Active loop antenna (9K-30MHz) | SCHWARZBECK | FMZB1519 | 1519-038 | June 6, 2016 | June 5, 2017 |
| Spectrum analyzer | AGILENT | E4407B | MY46185649 | June 6, 2016 | June 5, 2017 |
| Radiation Cable 1 | MXT | RS1 | R005 | June 6, 2016 | June 5, 2017 |
| Radiation Cable 2 | MXT | RS1 | R006 | June 6, 2016 | June 5, 2017 |

FOR RADIATED EMISSION TEST (1GHz ABOVE)

| Radiated Emission Test Site | | | | | |
|-------------------------------------|---------------|--------------|---------------|------------------|-----------------|
| Name of Equipment | Manufacturer | Model Number | Serial Number | Last Calibration | Due Calibration |
| EMI Test Receiver | ROHDE&SCHWARZ | ESCI | 101417 | July 4, 2016 | July 3, 2017 |
| Horn Antenna (1G-18GHz) | SCHWARZBECK | BBHA9120D | 9120D-1246 | July 11, 2016 | July 10, 2017 |
| Spectrum Analyzer | AGILENT | E4411B | MY4511453 | July 4, 2016 | July 3, 2017 |
| Signal Amplifier | SCHWARZBECK | BBV 9718 | 9718-269 | July 7, 2016 | July 6, 2017 |
| RF Cable | SCHWARZBECK | AK9515H | 96220 | July 8, 2016 | July 7, 2017 |
| 3m Anechoic Chamber | CHENGYU | 966 | PTS-001 | June 6, 2016 | June 5, 2017 |
| MULTI-DEVICE Positioning Controller | MAX-FULL | MF-7802 | MF780208339 | N/A | N/A |
| Horn Ant (18G-40GHz) | SCHWARZBECK | BBHA 9170 | 9170-181 | June 6, 2016 | June 5, 2017 |
| Radiation Cable 1 | MXT | RS1 | R005 | June 6, 2016 | June 5, 2017 |
| Radiation Cable 2 | MXT | RS1 | R006 | June 6, 2016 | June 5, 2017 |

| Conducted Emission Test Site | | | | | |
|--------------------------------|---------------|--------------|---------------|------------------|-----------------|
| Name of Equipment | Manufacturer | Model Number | Serial Number | Last Calibration | Due Calibration |
| EMI Test Receiver | ROHDE&SCHWARZ | ESCI | 101417 | July 4, 2016 | July 3, 2017 |
| Artificial Mains Network | NARDA | L2-16B | 000WX31025 | July 8, 2016 | July 7, 2017 |
| Artificial Mains Network (AUX) | NARDA | L2-16B | 000WX31026 | July 8, 2016 | July 7, 2017 |
| RF Cable | SCHWARZBECK | AK9515E | 96222 | July 4, 2016 | July 3, 2017 |
| Shielded Room | CHENGYU | 843 | PTS-002 | June 6, 2016 | June 5, 2017 |
| Conduction Cable | MXT | SE1 | S003 | June 6, 2016 | June 5, 2017 |

9. RADIATED EMISSION

9.1 TEST LIMIT

Standard FCC15.249

| Fundamental Frequency | Field Strength of Fundamental (millivolts/meter) | Field Strength of Harmonics (microvolts/meter) |
|-----------------------|---|---|
| 900-928MHz | 50 | 500 |
| 2400-2483.5MHz | 50 | 500 |
| 5725-5875MHz | 50 | 500 |
| 24.0-24.25GHz | 250 | 2500 |

Standard FCC 15.209

| Frequency (MHz) | Distance Meters | Field Strengths Limit | |
|--------------------|--------------------|---|----------------|
| | | μ V/m | dB(μ V)/m |
| 0.009 ~ 0.490 | 300 | 2400/F(kHz) | --- |
| 0.490 ~ 1.705 | 30 | 24000/F(kHz) | --- |
| 1.705 ~ 30 | 30 | 30 | --- |
| 30 ~ 88 | 3 | 100 | 40.0 |
| 88 ~ 216 | 3 | 150 | 43.5 |
| 216 ~ 960 | 3 | 200 | 46.0 |
| 960 ~ 1000 | 3 | 500 | 54.0 |
| Above 1000 | 3 | Other: 74.0 dB(μ V)/m (Peak) 54.0 dB(μ V)/m (Average) | |

Remark:

- (1) Emission level $dB\mu$ V = $20 \log$ Emission level μ V/m
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

9.2. MEASUREMENT PROCEDURE

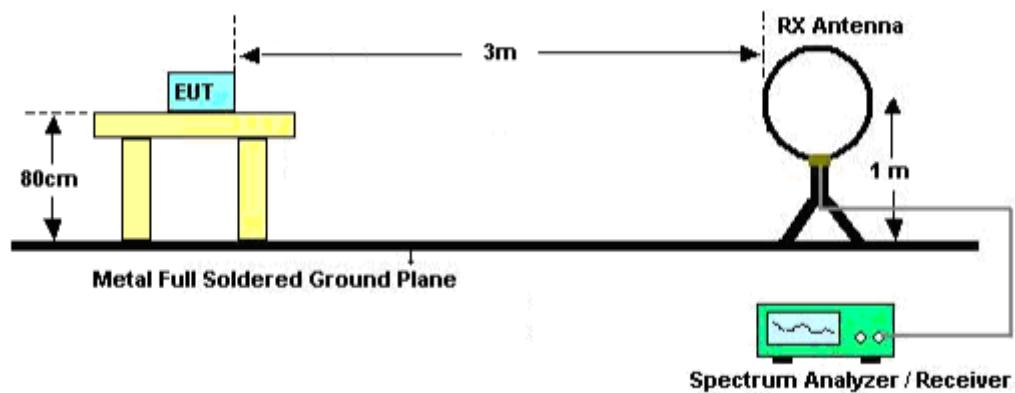
1. The measuring distance of 3m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Below 1GHz)
2. The measuring distance of 3m shall used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Above 1GHz)
3. The height of the test antenna shall vary between 1m to 4m. Both horizontal and vertical polarization Of the antenna are set to make the measurement.
4. The initial step in collecting radiated emission data is a receive peak detector mode. Pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
5. All readings are peak unless otherwise stated QP in column of Note. Peak denoted that the Peak reading compliance with the QP limits and then QP Mode measurement didn't perform(Below 1GHz)
6. All readings are Peak mode value unless otherwise stated AVG in column of Note. If the Peak mode measured value compliance with the Peak limits and lower than AVG Limits, the EUT shall be deemed to meet Peak & AVG limits and then only Peak mode was measured, but AVG mode didn't perform.(Above 1GHz)

The following table is the setting of spectrum analyzer and receiver.

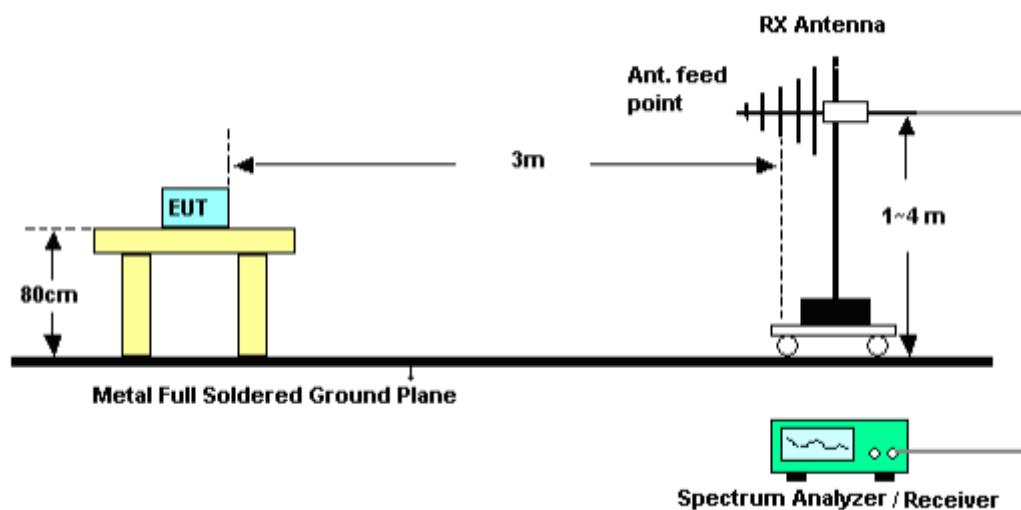
| Spectrum Parameter | Setting |
|---------------------------|---|
| Start ~Stop Frequency | 9KHz~150KHz/RB 200Hz for QP |
| Start ~Stop Frequency | 150KHz~30MHz/RB 9KHz for QP |
| Start ~Stop Frequency | 30MHz~1000MHz/RB 120KHz for QP |
| Start ~Stop Frequency | 1GHz~26.5GHz 1MHz/3MHz for Peak, 1MHz/10Hz for Average |
| Receiver Parameter | Setting |
| 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 |

9.3. TEST SETUP

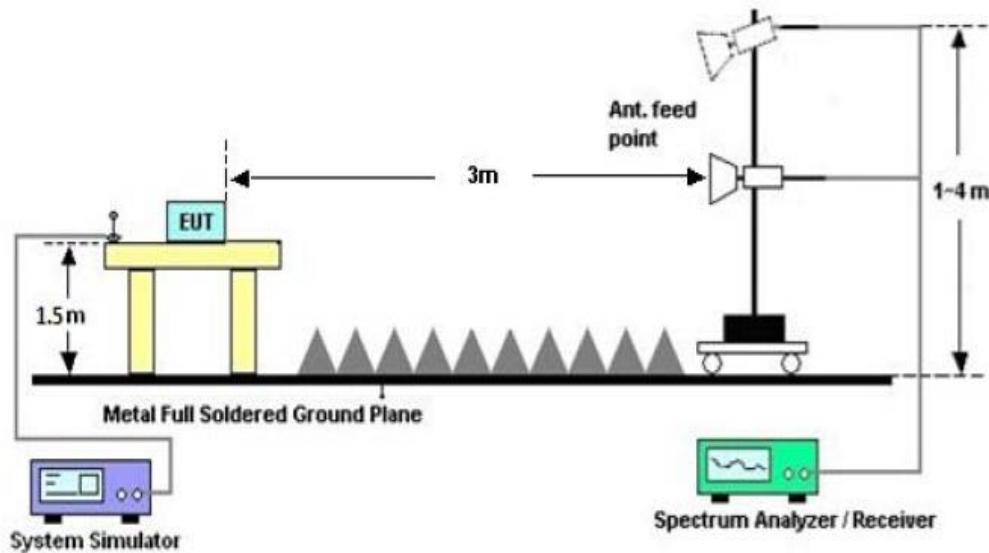
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



9.4. TEST RESULT

(Worst modulation:GFSK)

FOR BR/EDR

RADIATED EMISSION BELOW 30MHz

No emission found between lowest internal used/generated frequencies to 30MHz.

RADIATED EMISSION BELOW 1GHz

RADIATED EMISSION TEST- (30MHz-1GHz)-LOW CHANNEL-HORIZONTAL



Site: site #1
Limit: FCC Class B 3M Radiation
EUT:Smart Watch / WTX
M/N:WTX
Mode:Low Channel TX
Note:

Polarization: *Horizontal*

Temperature: 22.9

Power:

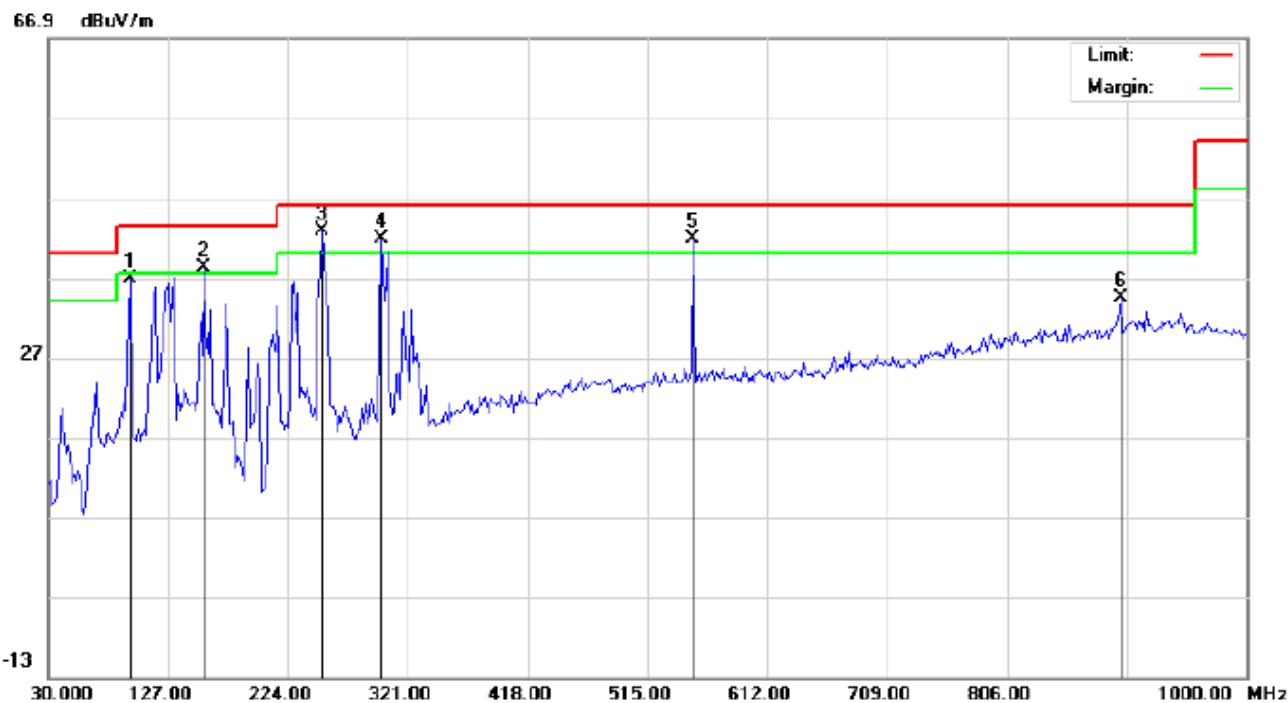
Humidity: 53.8 %

Distance:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 101.1333 | 24.30 | 10.22 | 34.52 | 43.50 | -8.98 | peak | | | |
| 2 | * | 149.6331 | 25.53 | 12.85 | 38.38 | 43.50 | -5.12 | peak | | | |
| 3 | ! | 257.9499 | 32.33 | 8.25 | 40.58 | 46.00 | -5.42 | peak | | | |
| 4 | | 288.6666 | 18.32 | 13.48 | 31.80 | 46.00 | -14.20 | peak | | | |
| 5 | | 671.8166 | 7.51 | 24.43 | 31.94 | 46.00 | -14.06 | peak | | | |
| 6 | | 896.5333 | 3.68 | 28.52 | 32.20 | 46.00 | -13.80 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (30MHz-1GHz)-LOW CHANNEL -VERTICAL



Site: site #1 Polarization: **Vertical** Temperature: 22.9
Limit: FCC Class B 3M Radiation Power: Humidity: 53.8 %
EUT:Smart Watch / WTX Distance:
M/N:WTX
Mode:Low Channel TX
Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 96.2831 | 36.70 | 0.05 | 36.75 | 43.50 | -6.75 | peak | | | |
| 2 | ! | 156.0999 | 22.84 | 15.30 | 38.14 | 43.50 | -5.36 | peak | | | |
| 3 | * | 251.4833 | 28.90 | 13.94 | 42.84 | 46.00 | -3.16 | peak | | | |
| 4 | ! | 299.9832 | 26.42 | 15.41 | 41.83 | 46.00 | -4.17 | peak | | | |
| 5 | ! | 552.1833 | 19.33 | 22.49 | 41.82 | 46.00 | -4.18 | peak | | | |
| 6 | | 898.1499 | 5.76 | 28.56 | 34.32 | 46.00 | -11.68 | peak | | | |

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

RADIATED EMISSION TEST- (30MHz-1GHz)-MIDDLE CHANNEL-HORIZONTAL

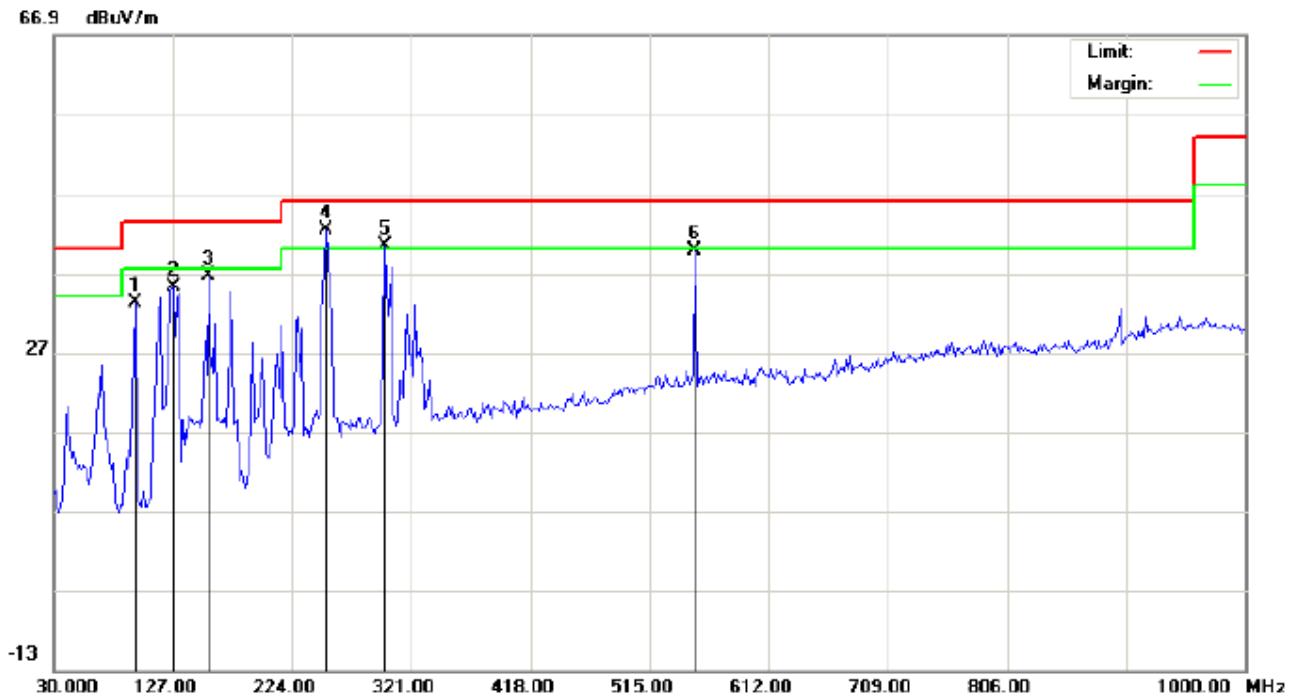


| | | |
|---------------------------------|---------------------------------|-------------------|
| Site: site #1 | Polarization: <i>Horizontal</i> | Temperature: 22.9 |
| Limit: FCC Class B 3M Radiation | Power: | Humidity: 53.8 % |
| EUT:Smart Watch / WTX | Distance: | |
| M/N:WTX | | |
| Mode:Middle Channel TX | | |
| Note: | | |

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna | Table | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|---------|--------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | Height | Degree | |
| 1 | | 101.1333 | 23.80 | 10.22 | 34.02 | 43.50 | -9.48 | peak | | | |
| 2 | | 149.6331 | 24.53 | 12.85 | 37.38 | 43.50 | -6.12 | peak | | | |
| 3 | * | 257.9499 | 33.33 | 8.25 | 41.58 | 46.00 | -4.42 | peak | | | |
| 4 | | 288.6666 | 18.82 | 13.48 | 32.30 | 46.00 | -13.70 | peak | | | |
| 5 | | 671.8166 | 8.01 | 24.43 | 32.44 | 46.00 | -13.56 | peak | | | |
| 6 | | 898.1499 | 2.60 | 28.56 | 31.16 | 46.00 | -14.84 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (30MHz-1GHz)- MIDDLE CHANNEL -VERTICAL



| | | |
|---------------------------------|-------------------------------|-------------------|
| Site: site #1 | Polarization: <i>Vertical</i> | Temperature: 22.9 |
| Limit: FCC Class B 3M Radiation | Power: | Humidity: 53.8 % |
| EUT:Smart Watch / WTX | Distance: | |
| M/N:WTX | | |
| Mode:Middle Channel TX | | |
| Note: | | |

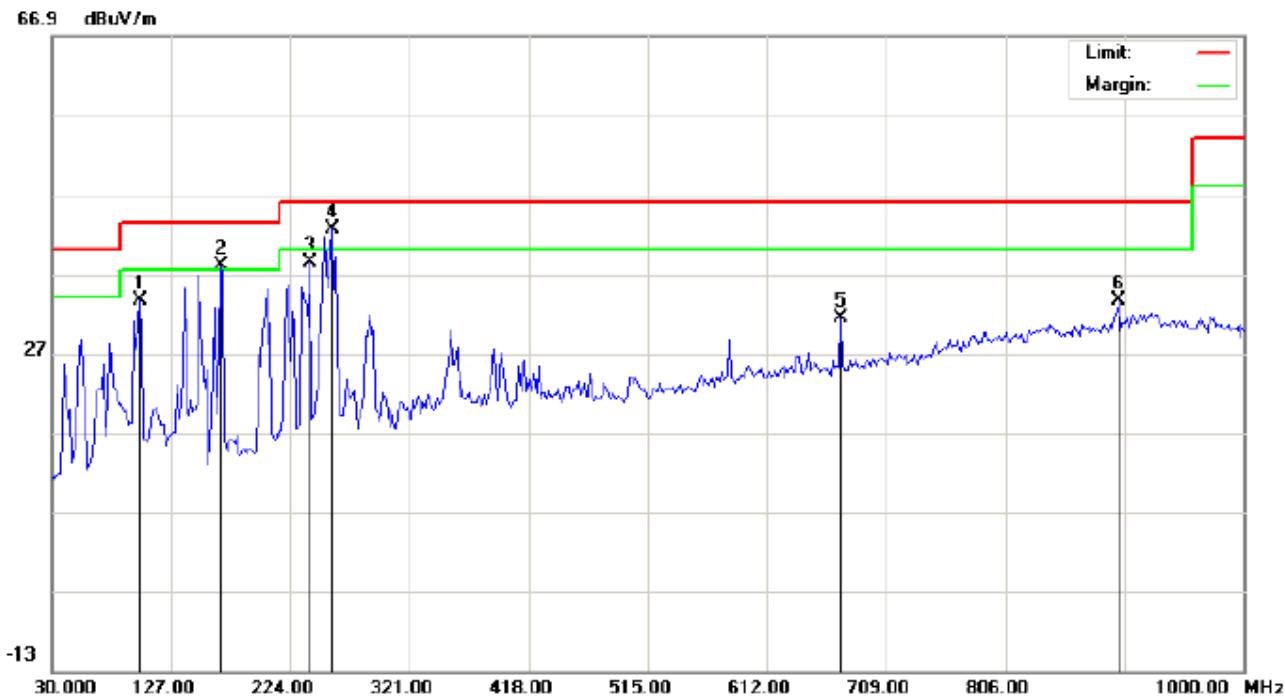
| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 96.2831 | 33.20 | 0.05 | 33.25 | 43.50 | -10.25 | peak | | | |
| 2 | | 127.0000 | 25.41 | 9.78 | 35.19 | 43.50 | -8.31 | peak | | | |
| 3 | | 156.0999 | 21.34 | 15.30 | 36.64 | 43.50 | -6.86 | peak | | | |
| 4 | * | 251.4833 | 28.40 | 13.94 | 42.34 | 46.00 | -3.66 | peak | | | |
| 5 | ! | 299.9832 | 24.92 | 15.41 | 40.33 | 46.00 | -5.67 | peak | | | |
| 6 | | 552.1833 | 17.33 | 22.49 | 39.82 | 46.00 | -6.18 | peak | | | |

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL-HORIZONTAL

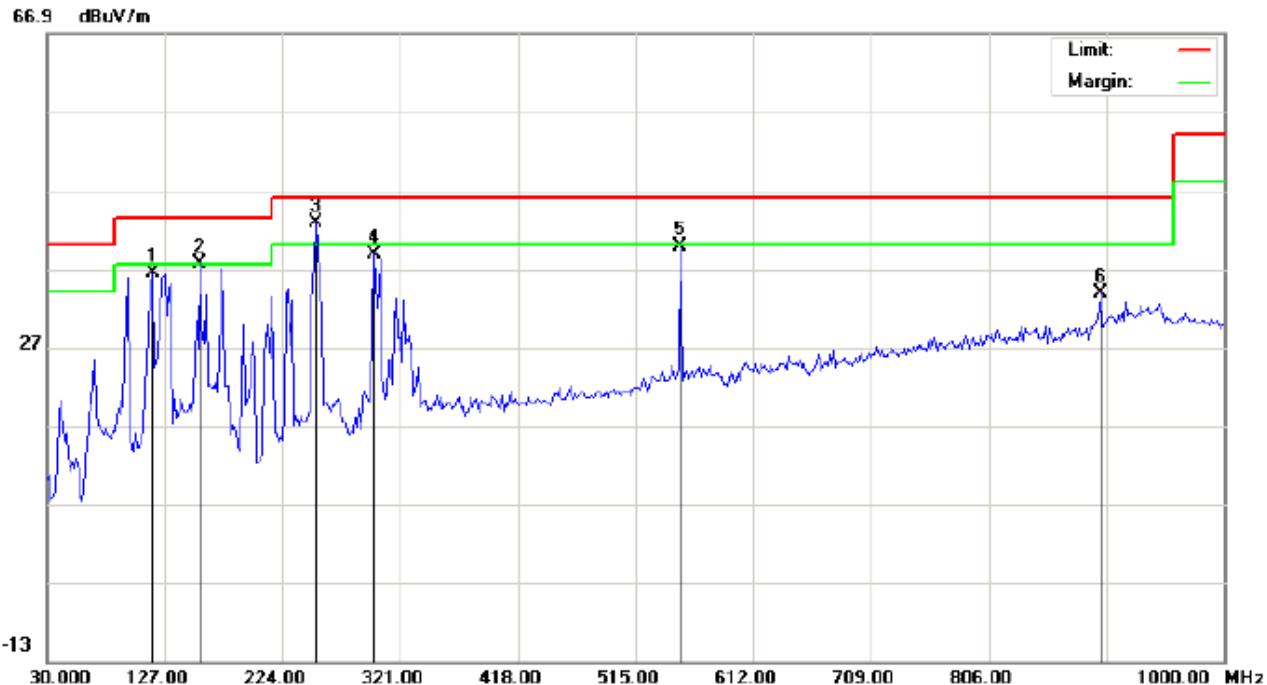


Site: site #1 Polarization: **Horizontal** Temperature: 22.9
 Limit: FCC Class B 3M Radiation Power: Humidity: 53.8 %
 EUT:Smart Watch / WTX Distance:
 M/N:WTX
 Mode:High Channel TX
 Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 101.1333 | 23.30 | 10.22 | 33.52 | 43.50 | -9.98 | peak | | | |
| 2 | ! | 167.4165 | 27.48 | 10.60 | 38.08 | 43.50 | -5.42 | peak | | | |
| 3 | | 240.1666 | 30.42 | 7.90 | 38.32 | 46.00 | -7.68 | peak | | | |
| 4 | * | 257.9499 | 34.33 | 8.25 | 42.58 | 46.00 | -3.42 | peak | | | |
| 5 | | 671.8166 | 7.01 | 24.43 | 31.44 | 46.00 | -14.56 | peak | | | |
| 6 | | 898.1499 | 5.10 | 28.56 | 33.66 | 46.00 | -12.34 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL -VERTICAL



| | | |
|---------------------------------|-------------------------------|-------------------|
| Site: site #1 | Polarization: <i>Vertical</i> | Temperature: 22.9 |
| Limit: FCC Class B 3M Radiation | Power: | Humidity: 53.8 % |
| EUT:Smart Watch / WTX | Distance: | |
| M/N:WTX | | |
| Mode:High Channel TX | | |
| Note: | | |

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 117.2999 | 30.85 | 5.52 | 36.37 | 43.50 | -7.13 | peak | | | |
| 2 | ! | 156.0999 | 22.34 | 15.30 | 37.64 | 43.50 | -5.86 | peak | | | |
| 3 | * | 251.4833 | 28.90 | 13.94 | 42.84 | 46.00 | -3.16 | peak | | | |
| 4 | | 299.9832 | 23.42 | 15.41 | 38.83 | 46.00 | -7.17 | peak | | | |
| 5 | | 552.1833 | 17.33 | 22.49 | 39.82 | 46.00 | -6.18 | peak | | | |
| 6 | | 898.1499 | 5.26 | 28.56 | 33.82 | 46.00 | -12.18 | peak | | | |

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

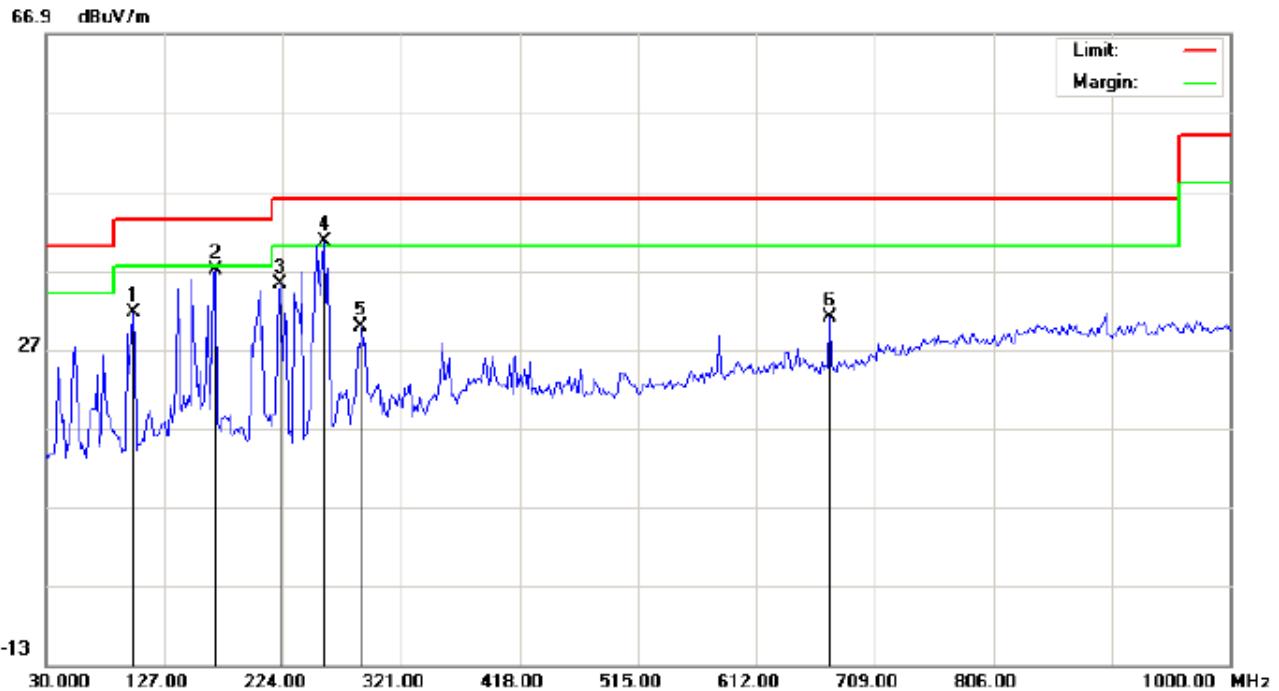
FOR BLE

RADIATED EMISSION BELOW 30MHz

No emission found between lowest internal used/generated frequencies to 30MHz.

RADIATED EMISSION BELOW 1GHz

RADIATED EMISSION TEST- (30MHz-1GHz)-LOW CHANNEL-HORIZONTAL

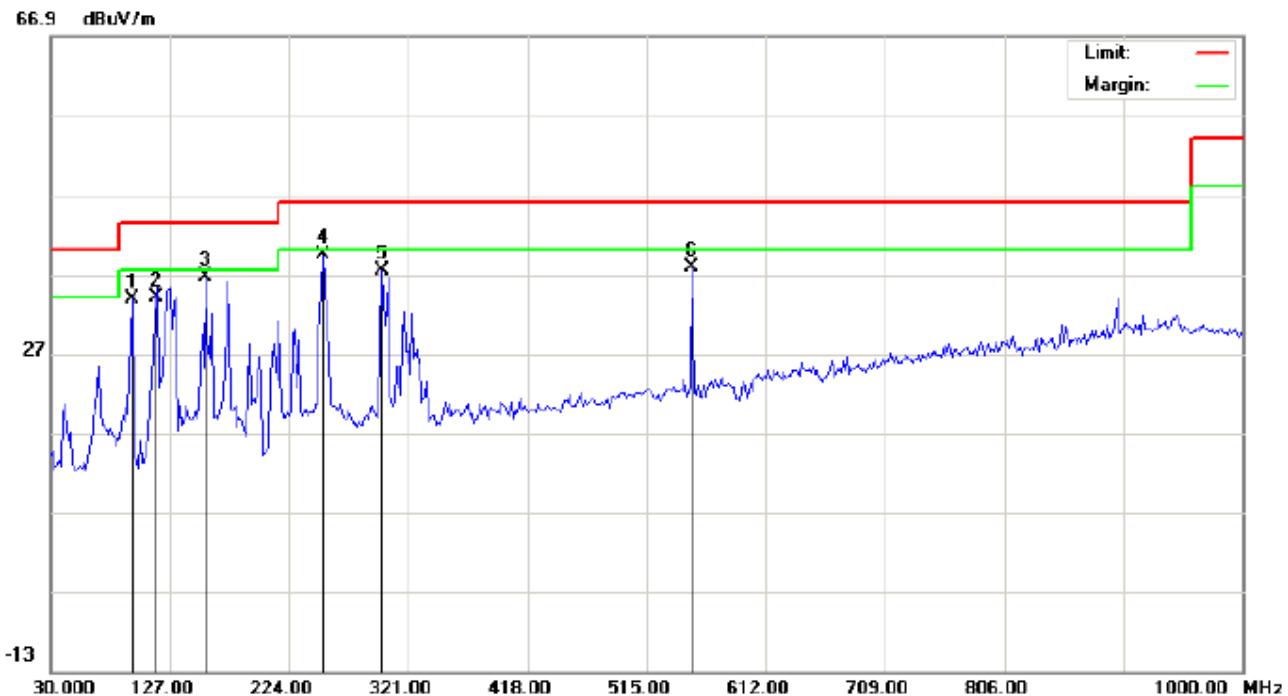


| | | |
|---------------------------------|---------------------------------|-------------------|
| Site: site #1 | Polarization: <i>Horizontal</i> | Temperature: 22.9 |
| Limit: FCC Class B 3M Radiation | Power: | Humidity: 53.8 % |
| EUT:Smart Watch / WTX | Distance: | |
| M/N:WTX | | |
| Mode:Low Channel TX | | |
| Note: | | |

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 101.1333 | 21.30 | 10.22 | 31.52 | 43.50 | -11.98 | peak | | | |
| 2 | | 169.0332 | 26.31 | 10.66 | 36.97 | 43.50 | -6.53 | peak | | | |
| 3 | | 222.3832 | 25.45 | 9.72 | 35.17 | 46.00 | -10.83 | peak | | | |
| 4 | * | 257.9499 | 32.33 | 8.25 | 40.58 | 46.00 | -5.42 | peak | | | |
| 5 | | 288.6666 | 16.32 | 13.48 | 29.80 | 46.00 | -16.20 | peak | | | |
| 6 | | 671.8166 | 6.51 | 24.43 | 30.94 | 46.00 | -15.06 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (30MHz-1GHz)-LOW CHANNEL -VERTICAL



| | | |
|---------------------------------|-------------------------------|-------------------|
| Site: site #1 | Polarization: <i>Vertical</i> | Temperature: 22.9 |
| Limit: FCC Class B 3M Radiation | Power: | Humidity: 53.8 % |
| EUT:Smart Watch / WTX | Distance: | |
| M/N:WTX | | |
| Mode:Low Channel TX | | |
| Note: | | |

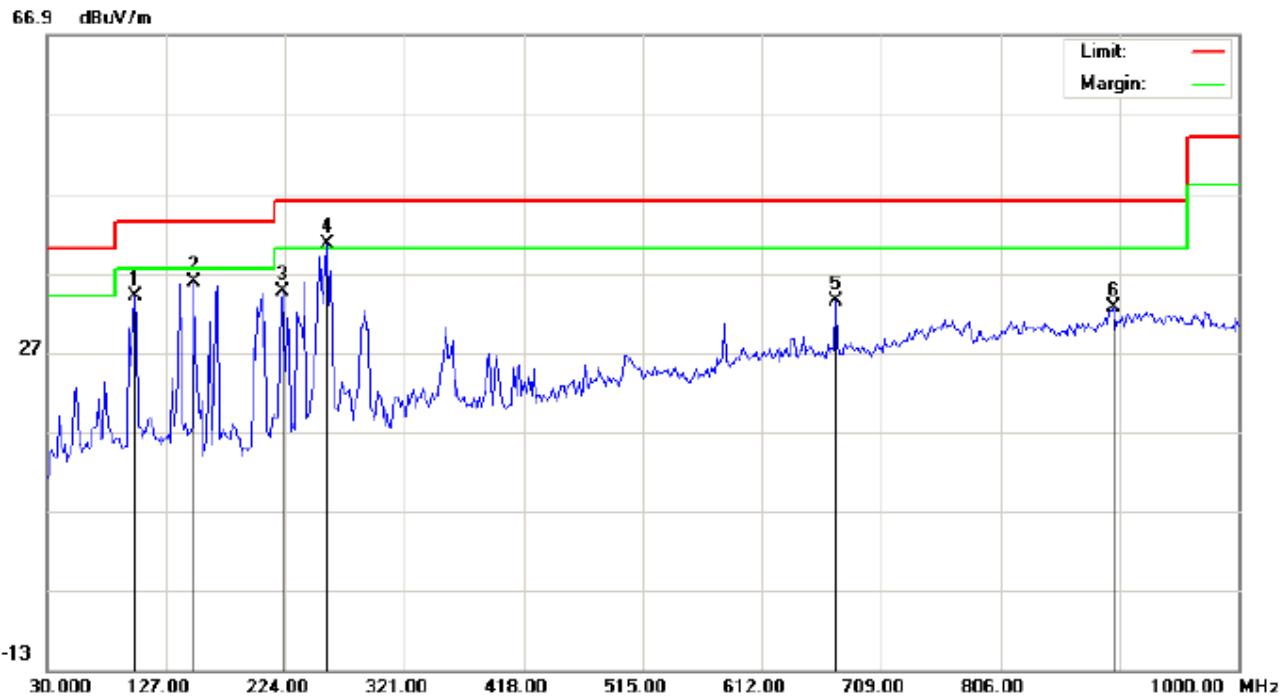
| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|-------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 96.2831 | 33.70 | 0.05 | 33.75 | 43.50 | -9.75 | peak | | | |
| 2 | | 115.6833 | 29.34 | 4.71 | 34.05 | 43.50 | -9.45 | peak | | | |
| 3 | | 156.0999 | 21.34 | 15.30 | 36.64 | 43.50 | -6.86 | peak | | | |
| 4 | * | 251.4833 | 25.40 | 13.94 | 39.34 | 46.00 | -6.66 | peak | | | |
| 5 | | 299.9832 | 21.92 | 15.41 | 37.33 | 46.00 | -8.67 | peak | | | |
| 6 | | 552.1833 | 15.33 | 22.49 | 37.82 | 46.00 | -8.18 | peak | | | |

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

RADIATED EMISSION TEST- (30MHz-1GHz)-MIDDLE CHANNEL-HORIZONTAL

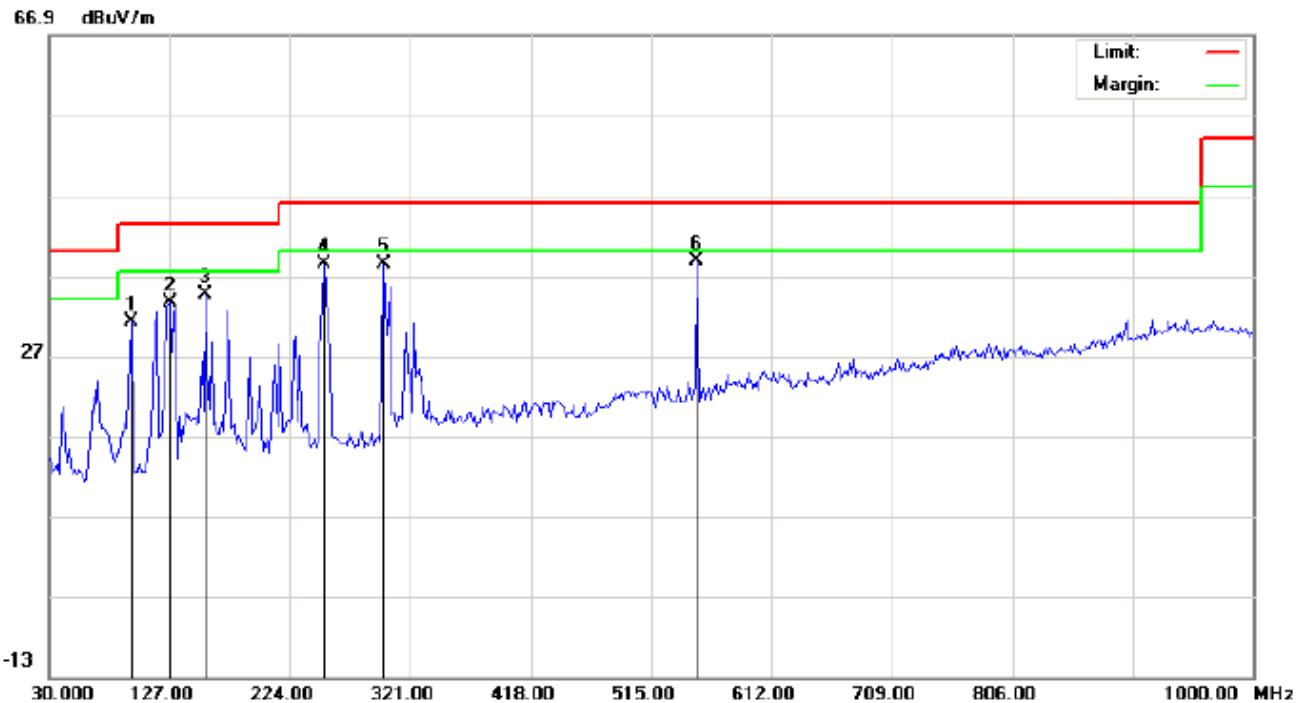


| | | |
|---------------------------------|---------------------------------|-------------------|
| Site: site #1 | Polarization: <i>Horizontal</i> | Temperature: 22.9 |
| Limit: FCC Class B 3M Radiation | Power: | Humidity: 53.8 % |
| EUT:Smart Watch / WTX | Distance: | |
| M/N:WTX | | |
| Mode:Middle Channel TX | | |
| Note: | | |

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|------------------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dB _{UV} | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 101.1333 | 23.80 | 10.22 | 34.02 | 43.50 | -9.48 | peak | | | |
| 2 | | 149.6331 | 23.03 | 12.85 | 35.88 | 43.50 | -7.62 | peak | | | |
| 3 | | 222.3832 | 24.95 | 9.72 | 34.67 | 46.00 | -11.33 | peak | | | |
| 4 | * | 257.9499 | 32.33 | 8.25 | 40.58 | 46.00 | -5.42 | peak | | | |
| 5 | | 671.8166 | 9.01 | 24.43 | 33.44 | 46.00 | -12.56 | peak | | | |
| 6 | | 898.1499 | 4.10 | 28.56 | 32.66 | 46.00 | -13.34 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (30MHz-1GHz)- MIDDLE CHANNEL -VERTICAL



Site: site #1 Polarization: **Vertical** Temperature: 22.9
Limit: FCC Class B 3M Radiation Power: Humidity: 53.8 %
EUT:Smart Watch / WTX Distance:
M/N:WTX
Mode:Middle Channel TX
Note:

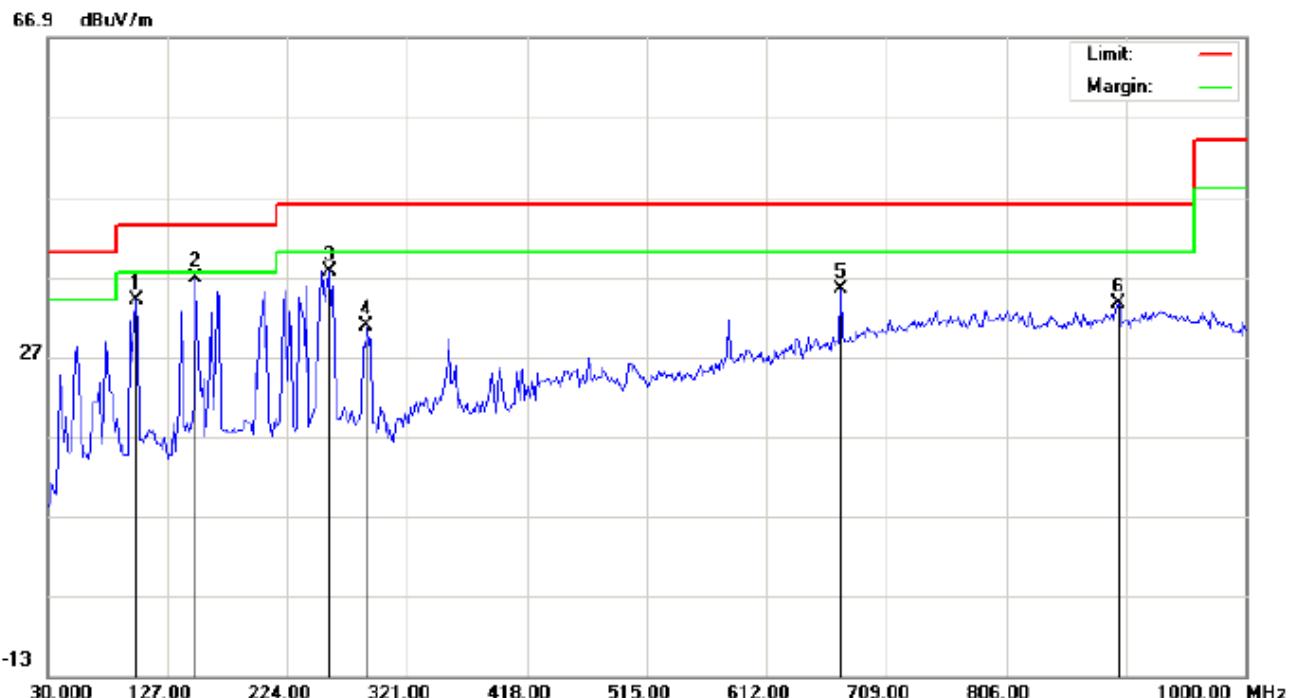
| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 96.2831 | 31.20 | 0.05 | 31.25 | 43.50 | -12.25 | peak | | | |
| 2 | | 127.0000 | 23.91 | 9.78 | 33.69 | 43.50 | -9.81 | peak | | | |
| 3 | | 156.0999 | 19.34 | 15.30 | 34.64 | 43.50 | -8.86 | peak | | | |
| 4 | | 251.4833 | 24.40 | 13.94 | 38.34 | 46.00 | -7.66 | peak | | | |
| 5 | | 299.9832 | 22.92 | 15.41 | 38.33 | 46.00 | -7.67 | peak | | | |
| 6 | * | 552.1833 | 16.33 | 22.49 | 38.82 | 46.00 | -7.18 | peak | | | |

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL-HORIZONTAL

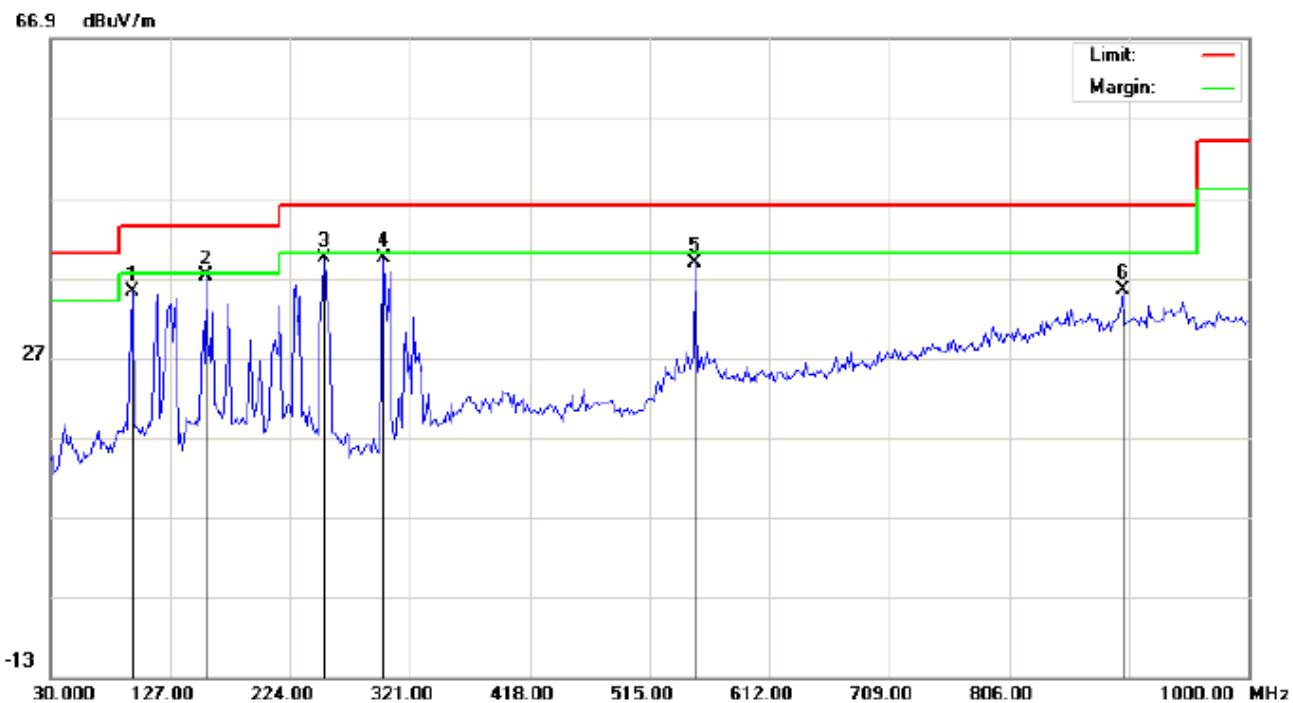


| | | |
|---------------------------------|---------------------------------|-------------------|
| Site: site #1 | Polarization: <i>Horizontal</i> | Temperature: 22.9 |
| Limit: FCC Class B 3M Radiation | Power: | Humidity: 53.8 % |
| EUT:Smart Watch / WTX | Distance: | |
| M/N:WTX | | |
| Mode:High Channel TX | | |
| Note: | | |

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 101.1333 | 23.80 | 10.22 | 34.02 | 43.50 | -9.48 | peak | | | |
| 2 | * | 149.6331 | 24.03 | 12.85 | 36.88 | 43.50 | -6.62 | peak | | | |
| 3 | | 257.9499 | 29.33 | 8.25 | 37.58 | 46.00 | -8.42 | peak | | | |
| 4 | | 288.6666 | 17.32 | 13.48 | 30.80 | 46.00 | -15.20 | peak | | | |
| 5 | | 671.8166 | 11.01 | 24.43 | 35.44 | 46.00 | -10.56 | peak | | | |
| 6 | | 896.5333 | 5.18 | 28.52 | 33.70 | 46.00 | -12.30 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL -VERTICAL



Site: site #1 Polarization: *Vertical* Temperature: 22.9
 Limit: FCC Class B 3M Radiation Power: Humidity: 53.8 %
 EUT:Smart Watch / WTX Distance:
 M/N:WTX
 Mode:High Channel TX
 Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 96.2831 | 35.20 | 0.05 | 35.25 | 43.50 | -8.25 | peak | | | |
| 2 | * | 156.0999 | 21.84 | 15.30 | 37.14 | 43.50 | -6.36 | peak | | | |
| 3 | | 251.4833 | 25.40 | 13.94 | 39.34 | 46.00 | -6.66 | peak | | | |
| 4 | | 299.9832 | 23.92 | 15.41 | 39.33 | 46.00 | -6.67 | peak | | | |
| 5 | | 552.1833 | 16.33 | 22.49 | 38.82 | 46.00 | -7.18 | peak | | | |
| 6 | | 898.1499 | 6.76 | 28.56 | 35.32 | 46.00 | -10.68 | peak | | | |

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

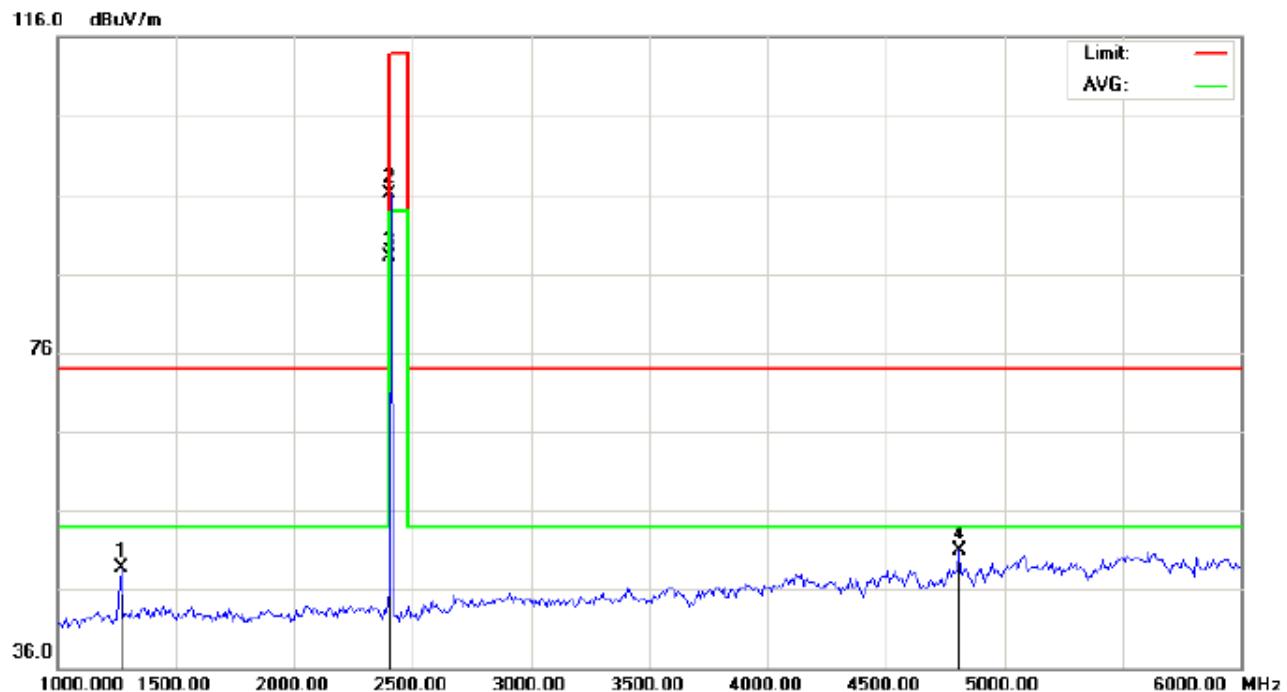
2. The "Factor" value can be calculated automatically by software of measurement system.

RADIATED EMISSION ABOVE 1GHz

(Worst modulation: GFSK)

FOR BR/EDR

RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL-HORIZONTAL

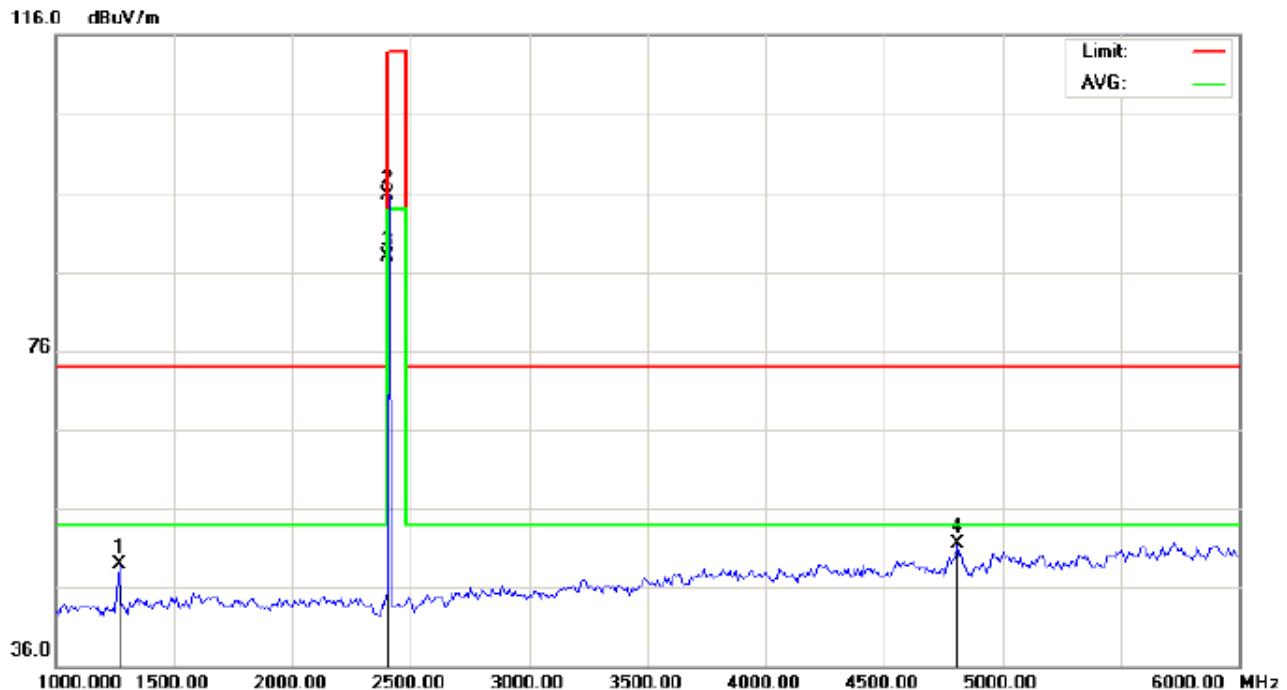


Site: site #1 Polarization: **Horizontal** Temperature: 22.7
 Limit: FCC Class B 3M Radiation above 1GHz(PK)- Power: Humidity: 53.6 %
 EUT:Smart Watch / WTX Distance:
 M/N:WTX
 Mode: Low Channel TX
 Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1266.667 | 44.22 | 4.52 | 48.74 | 74.00 | -25.26 | peak | | | |
| 2 | | 2402.000 | 85.71 | 10.32 | 96.03 | 114.00 | -17.97 | peak | | | |
| 3 | * | 2402.000 | 77.83 | 10.32 | 88.15 | 94.00 | -5.85 | AVG | 150 | 135 | |
| 4 | | 4808.333 | 43.23 | 7.70 | 50.93 | 74.00 | -23.07 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL- VERTICAL

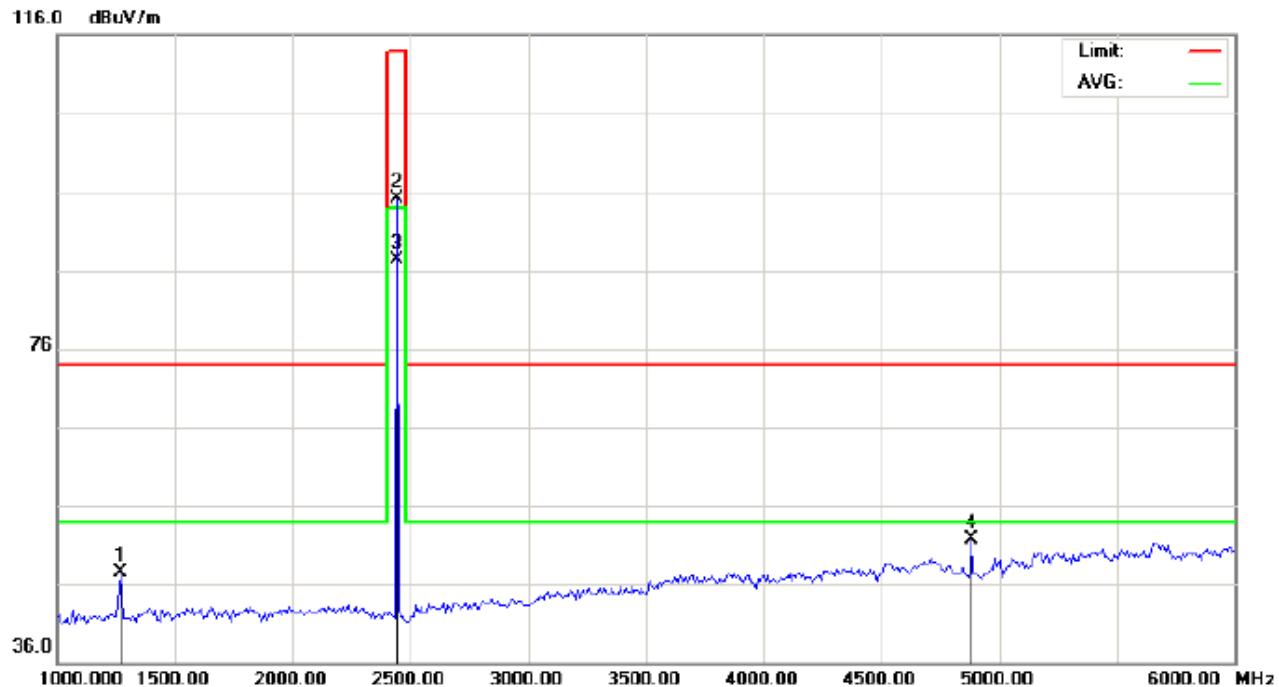


Site: site #1 Polarization: *Vertical* Temperature: 22.7
Limit: FCC Class B 3M Radiation above 1GHz(PK)- Power: Humidity: 53.6 %
EUT:Smart Watch / WTX Distance:
M/N:WTX
Mode: Low Channel TX
Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1266.667 | 44.47 | 4.52 | 48.99 | 74.00 | -25.01 | peak | | | |
| 2 | | 2402.000 | 85.32 | 10.32 | 95.64 | 114.00 | -18.36 | peak | | | |
| 3 | * | 2402.000 | 77.59 | 10.32 | 87.91 | 94.00 | -6.09 | AVG | 150 | 216 | |
| 4 | | 4808.333 | 43.87 | 7.70 | 51.57 | 74.00 | -22.43 | peak | | | |

RESULT: PASS

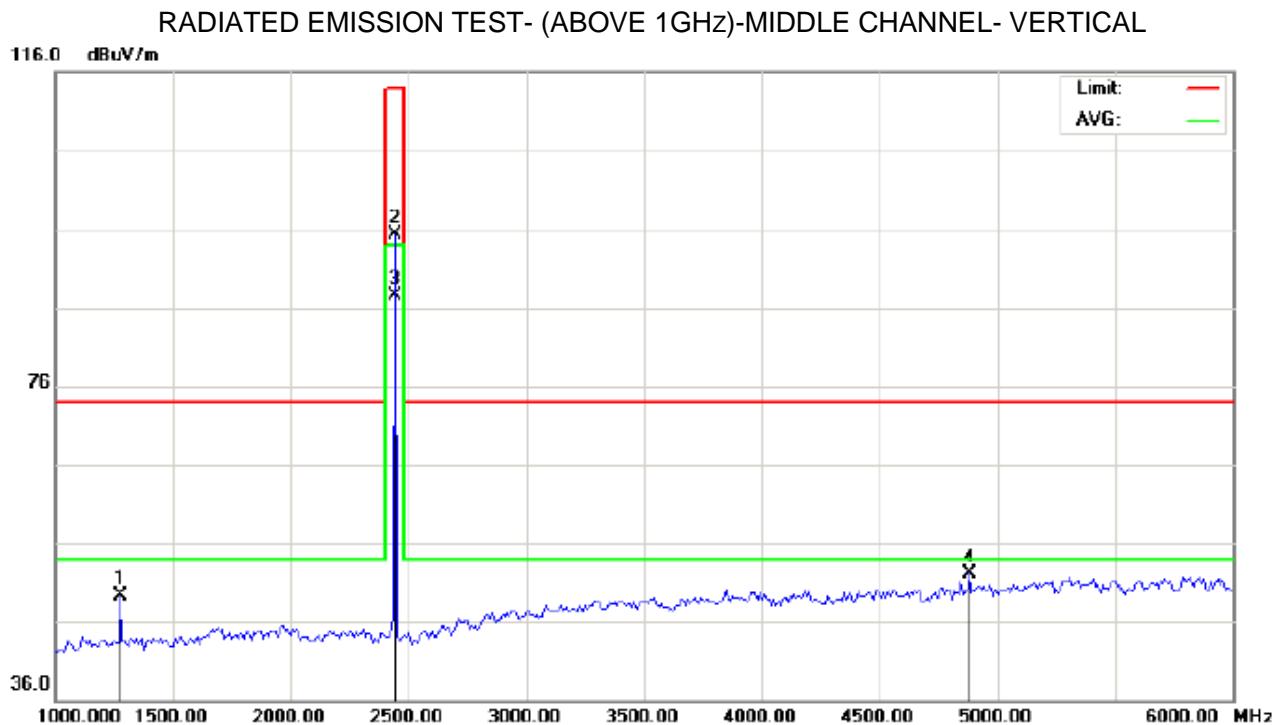
RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL-HORIZONTAL



Site: site #1 Polarization: *Horizontal* Temperature: 22.7
 Limit: FCC Class B 3M Radiation above 1GHz(PK)- Power: Humidity: 53.6 %
 EUT:Smart Watch / WTX Distance:
 M/N:WTX
 Mode: Middle Channel TX
 Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1266.667 | 42.93 | 4.52 | 47.45 | 74.00 | -26.55 | peak | | | |
| 2 | | 2441.000 | 84.78 | 10.36 | 95.14 | 114.00 | -18.86 | peak | | | |
| 3 | * | 2441.000 | 76.87 | 10.36 | 87.23 | 94.00 | -6.77 | AVG | 150 | 187 | |
| 4 | | 4883.333 | 43.88 | 7.89 | 51.77 | 74.00 | -22.23 | peak | | | |

RESULT: PASS

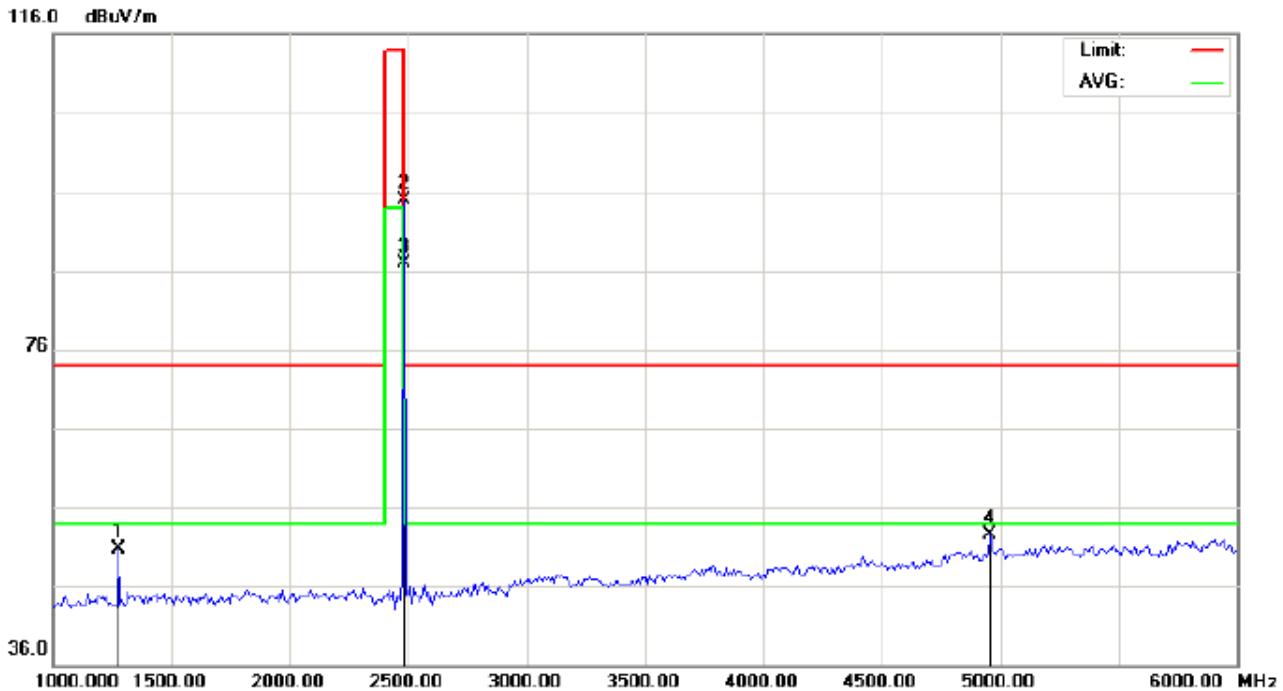


Site: site #1 Polarization: **Vertical** Temperature: 22.7
Limit: FCC Class B 3M Radiation above 1GHz(PK)- Power: Humidity: 53.6 %
EUT:Smart Watch / WTX Distance:
M/N:WTX
Mode: Middle Channel TX
Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1275.000 | 44.82 | 4.53 | 49.35 | 74.00 | -24.65 | peak | | | |
| 2 | | 2441.000 | 84.90 | 10.36 | 95.26 | 114.00 | -18.74 | peak | | | |
| 3 | * | 2441.000 | 77.07 | 10.36 | 87.43 | 94.00 | -6.57 | AVG | 100 | 317 | |
| 4 | | 4883.333 | 44.31 | 7.89 | 52.20 | 74.00 | -21.80 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL-HORIZONTAL

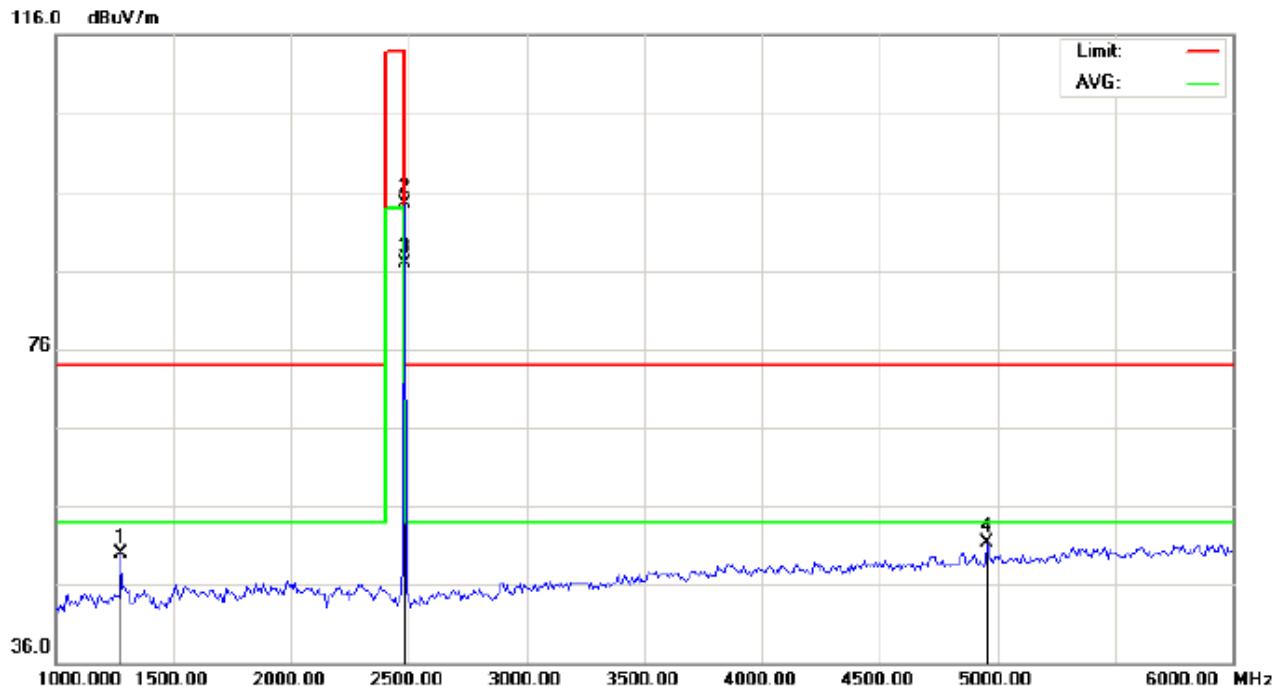


Site: site #1 Polarization: *Horizontal* Temperature: 22.7
 Limit: FCC Class B 3M Radiation above 1GHz(PK)- Power: Humidity: 53.6 %
 EUT:Smart Watch / WTX Distance:
 M/N:WTX
 Mode: High Channel TX
 Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1275.000 | 46.08 | 4.53 | 50.61 | 74.00 | -23.39 | peak | | | |
| 2 | | 2480.000 | 84.43 | 10.41 | 94.84 | 114.00 | -19.16 | peak | | | |
| 3 | * | 2480.000 | 76.51 | 10.41 | 86.92 | 94.00 | -7.08 | AVG | 100 | 246 | |
| 4 | | 4958.333 | 44.48 | 8.09 | 52.57 | 74.00 | -21.43 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL- VERTICAL



| | | |
|---|-------------------------------|-------------------|
| Site: site #1 | Polarization: Vertical | Temperature: 22.7 |
| Limit: FCC Class B 3M Radiation above 1GHz(PK)- | Power: | Humidity: 53.6 % |
| EUT:Smart Watch / WTX | Distance: | |
| M/N:WTX | | |
| Mode: High Channel TX | | |
| Note: | | |

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1275.000 | 45.35 | 4.53 | 49.88 | 74.00 | -24.12 | peak | | | |
| 2 | | 2480.000 | 84.19 | 10.41 | 94.60 | 114.00 | -19.40 | peak | | | |
| 3 | * | 2480.000 | 76.46 | 10.41 | 86.87 | 94.00 | -7.13 | AVG | 100 | 164 | |
| 4 | | 4958.333 | 43.20 | 8.09 | 51.29 | 74.00 | -22.71 | peak | | | |

RESULT: PASS

Note: 6~25GHz at least have 20dB margin. No recording in the test report.

Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

Field strength of the fundamental signal

1Mbps Result:

Peak value

| Frequency | Reading Level | Factor | Measurement | Limit | Over | Antenna |
|-----------|---------------|--------|-------------|----------|--------|--------------|
| (MHz) | (dBuv) | (dB/m) | (dBuv/m) | (dBuv/m) | (dB) | Polarization |
| 2402 | 85.71 | 10.32 | 96.03 | 114 | -17.97 | Horizontal |
| 2402 | 85.32 | 10.32 | 95.64 | 114 | -18.36 | Vertical |
| 2441 | 84.78 | 10.36 | 95.14 | 114 | -18.86 | Horizontal |
| 2441 | 84.90 | 10.36 | 95.26 | 114 | -18.74 | Vertical |
| 2480 | 84.43 | 10.41 | 94.84 | 114 | -19.16 | Horizontal |
| 2480 | 84.19 | 10.41 | 94.60 | 114 | -19.40 | Vertical |

Average value

| Frequency | Reading Level | Factor | Measurement | Limit | Over | Antenna |
|-----------|---------------|--------|-------------|----------|-------|--------------|
| (MHz) | (dBuv) | (dB/m) | (dBuv/m) | (dBuv/m) | (dB) | Polarization |
| 2402 | 77.83 | 10.32 | 88.15 | 94 | -5.85 | Horizontal |
| 2402 | 77.59 | 10.32 | 87.91 | 94 | -6.09 | Vertical |
| 2441 | 76.87 | 10.36 | 87.23 | 94 | -6.77 | Horizontal |
| 2441 | 77.07 | 10.36 | 87.43 | 94 | -6.57 | Vertical |
| 2480 | 76.51 | 10.41 | 86.92 | 94 | -7.08 | Horizontal |
| 2480 | 76.46 | 10.41 | 86.87 | 94 | -7.13 | Vertical |

2Mbps Result:

Peak value

| Frequency (MHz) | Reading Level (dBuv) | Factor (dB/m) | Measurement (dBuv/m) | Limit (dBuv/m) | Over (dB) | Antenna Polarization |
|--------------------|-------------------------|------------------|-------------------------|-------------------|--------------|-------------------------|
| 2402 | 85.14 | 10.32 | 95.46 | 114 | -18.54 | Horizontal |
| 2402 | 85.16 | 10.32 | 95.48 | 114 | -18.52 | Vertical |
| 2441 | 84.31 | 10.36 | 94.67 | 114 | -19.33 | Horizontal |
| 2441 | 84.33 | 10.36 | 94.69 | 114 | -19.31 | Vertical |
| 2480 | 83.94 | 10.41 | 94.35 | 114 | -19.65 | Horizontal |
| 2480 | 83.97 | 10.41 | 94.38 | 114 | -19.62 | Vertical |

Average value

| Frequency (MHz) | Reading Level (dBuv) | Factor (dB/m) | Measurement (dBuv/m) | Limit (dBuv/m) | Over (dB) | Antenna Polarization |
|--------------------|-------------------------|------------------|-------------------------|-------------------|--------------|-------------------------|
| 2402 | 77.40 | 10.32 | 87.72 | 94 | -6.28 | Horizontal |
| 2402 | 77.43 | 10.32 | 87.75 | 94 | -6.25 | Vertical |
| 2441 | 76.39 | 10.36 | 86.75 | 94 | -7.25 | Horizontal |
| 2441 | 76.42 | 10.36 | 86.78 | 94 | -7.22 | Vertical |
| 2480 | 76.00 | 10.41 | 86.41 | 94 | -7.59 | Horizontal |
| 2480 | 76.02 | 10.41 | 86.43 | 94 | -7.57 | Vertical |

3Mbps Result:

Peak value

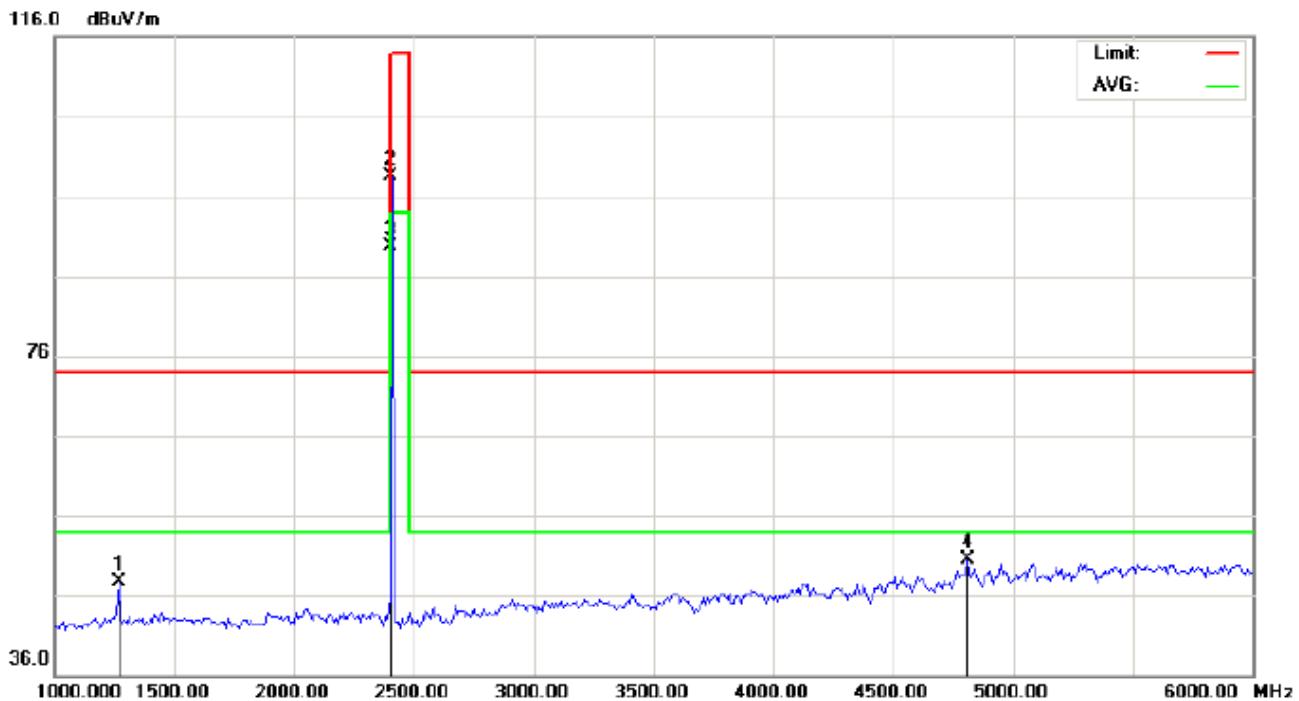
| Frequency (MHz) | Reading Level (dBuv) | Factor (dB/m) | Measurement (dBuv/m) | Limit (dBuv/m) | Over (dB) | Antenna Polarization |
|--------------------|-------------------------|------------------|-------------------------|-------------------|--------------|-------------------------|
| 2402 | 84.66 | 10.32 | 94.98 | 114 | -19.02 | Horizontal |
| 2402 | 84.67 | 10.32 | 94.99 | 114 | -19.01 | Vertical |
| 2441 | 83.79 | 10.36 | 94.15 | 114 | -19.85 | Horizontal |
| 2441 | 83.90 | 10.36 | 94.26 | 114 | -19.74 | Vertical |
| 2480 | 83.48 | 10.41 | 93.89 | 114 | -20.11 | Horizontal |
| 2480 | 83.51 | 10.41 | 93.92 | 114 | -20.08 | Vertical |

Average value

| Frequency (MHz) | Reading Level (dBuv) | Factor (dB/m) | Measurement (dBuv/m) | Limit (dBuv/m) | Over (dB) | Antenna Polarization |
|--------------------|-------------------------|------------------|-------------------------|-------------------|--------------|-------------------------|
| 2402 | 76.92 | 10.32 | 87.24 | 94 | -6.76 | Horizontal |
| 2402 | 76.94 | 10.32 | 87.26 | 94 | -6.74 | Vertical |
| 2441 | 75.89 | 10.36 | 86.25 | 94 | -7.75 | Horizontal |
| 2441 | 75.95 | 10.36 | 86.31 | 94 | -7.69 | Vertical |
| 2480 | 75.52 | 10.41 | 85.93 | 94 | -8.07 | Horizontal |
| 2480 | 75.55 | 10.41 | 85.96 | 94 | -8.04 | Vertical |

FOR BLE

RADIATED EMISSION TEST- (ABOVE 1GHZ)-LOW CHANNEL-HORIZONTAL



Site: site #1 Polarization: **Horizontal** Temperature: 22.7

Limit: FCC Class B 3M Radiation above 1GHz(PK)- Power: Humidity: 53.6 %

EUT:Smart Watch / WTX Distance:

M/N:WTX

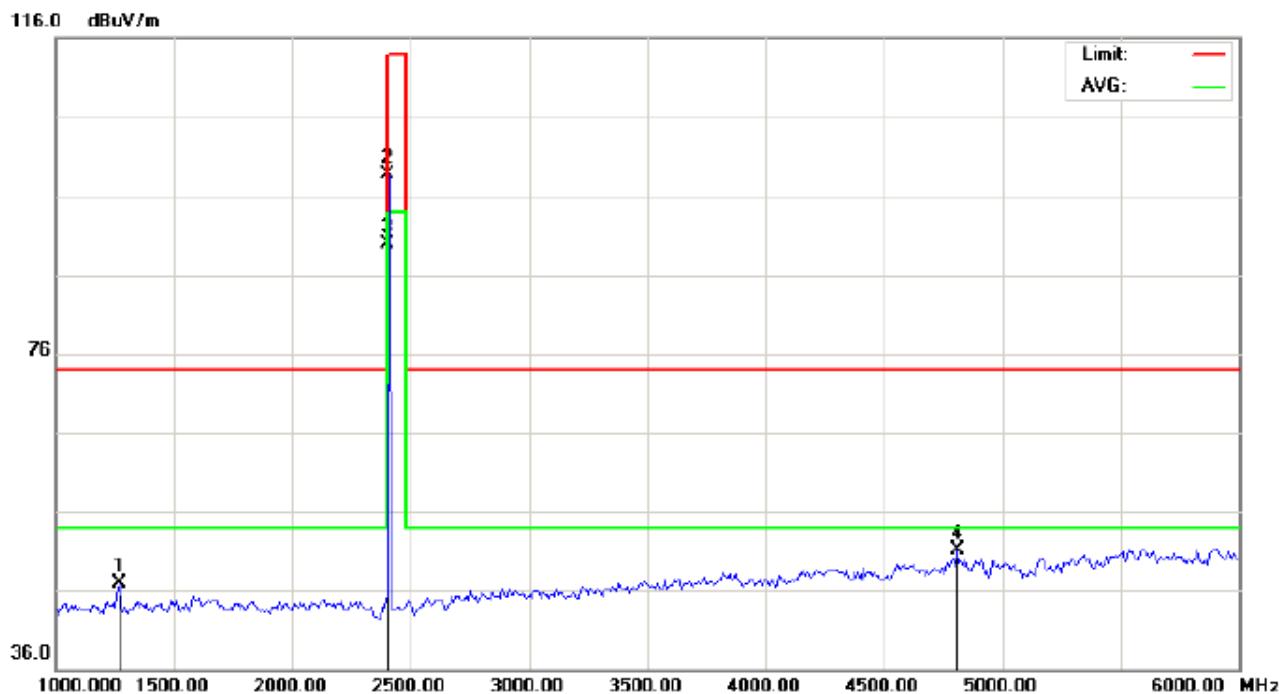
Mode: Low Channel TX

Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1266.667 | 43.22 | 4.52 | 47.74 | 74.00 | -26.26 | peak | | | |
| 2 | | 2402.000 | 88.21 | 10.32 | 98.53 | 114.00 | -15.47 | peak | | | |
| 3 | * | 2402.000 | 79.46 | 10.32 | 89.78 | 94.00 | -4.22 | AVG | 100 | 241 | |
| 4 | | 4808.333 | 42.73 | 7.70 | 50.43 | 74.00 | -23.57 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL- VERTICAL

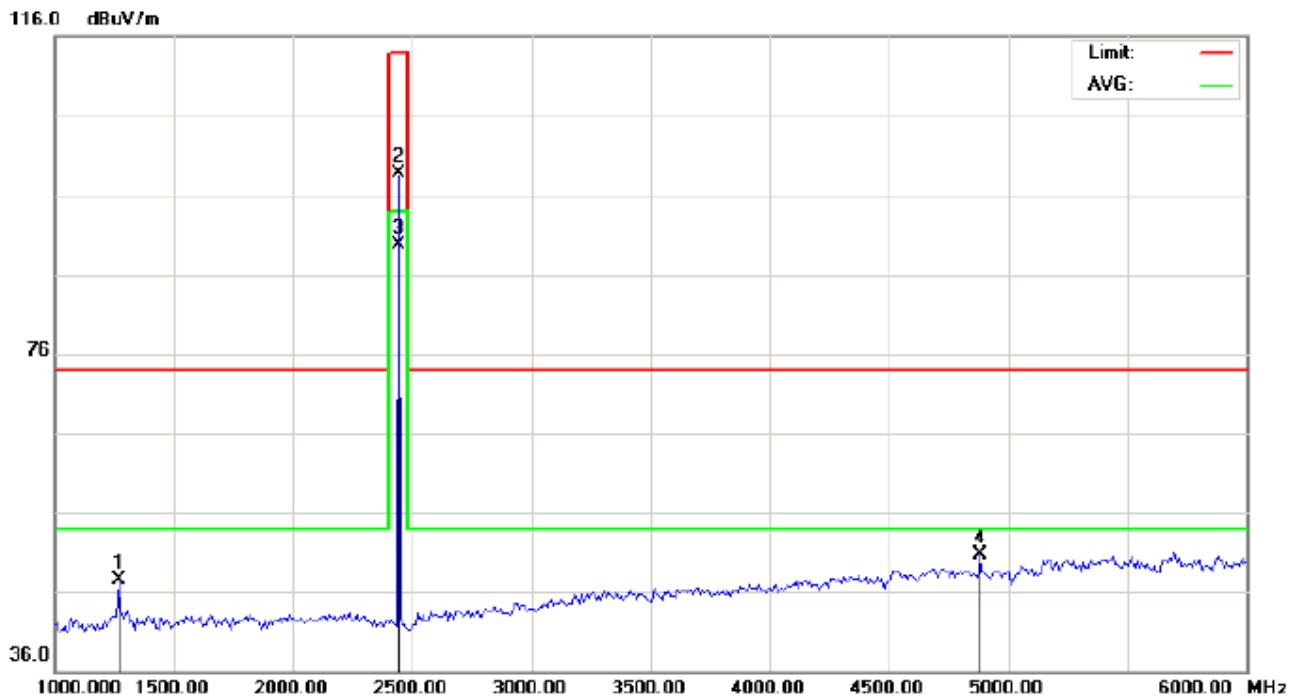


Site: site #1 Polarization: *Vertical* Temperature: 22.7
 Limit: FCC Class B 3M Radiation above 1GHz(PK)- Power: Humidity: 53.6 %
 EUT:Smart Watch / WTX Distance:
 M/N:WTX
 Mode: Low Channel TX
 Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1266.667 | 42.47 | 4.52 | 46.99 | 74.00 | -27.01 | peak | | | |
| 2 | | 2402.000 | 88.32 | 10.32 | 98.64 | 114.00 | -15.36 | peak | | | |
| 3 | * | 2402.000 | 79.52 | 10.32 | 89.84 | 94.00 | -4.16 | AVG | 150 | 314 | |
| 4 | | 4808.333 | 43.37 | 7.70 | 51.07 | 74.00 | -22.93 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL-HORIZONTAL

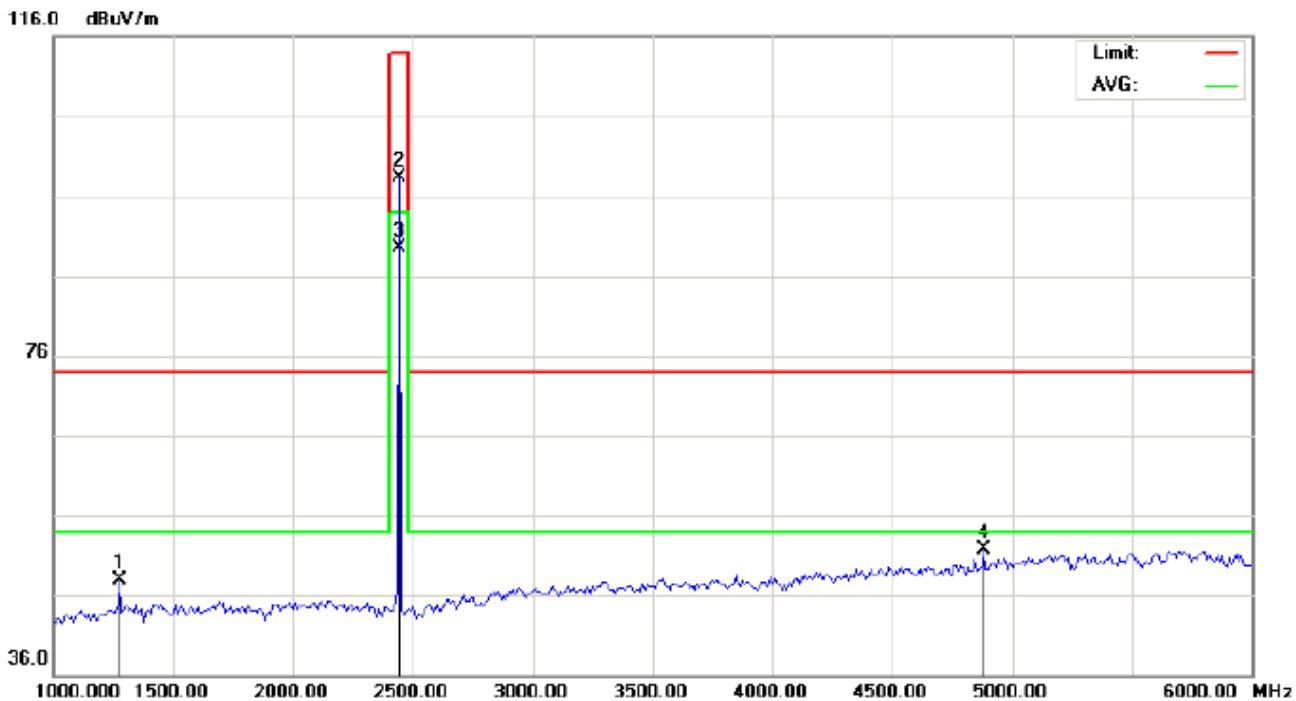


Site: site #1 Polarization: *Horizontal* Temperature: 22.7
Limit: FCC Class B 3M Radiation above 1GHz(PK)- Power: Humidity: 53.6 %
EUT:Smart Watch / WTX Distance:
M/N:WTX
Mode: Middle Channel TX
Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1266.667 | 42.93 | 4.52 | 47.45 | 74.00 | -26.55 | peak | | | |
| 2 | | 2440.000 | 88.29 | 10.36 | 98.65 | 114.00 | -15.35 | peak | | | |
| 3 | * | 2440.000 | 79.43 | 10.36 | 89.79 | 94.00 | -4.21 | AVG | 150 | 167 | |
| 4 | | 4883.333 | 42.88 | 7.89 | 50.77 | 74.00 | -23.23 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL- VERTICAL

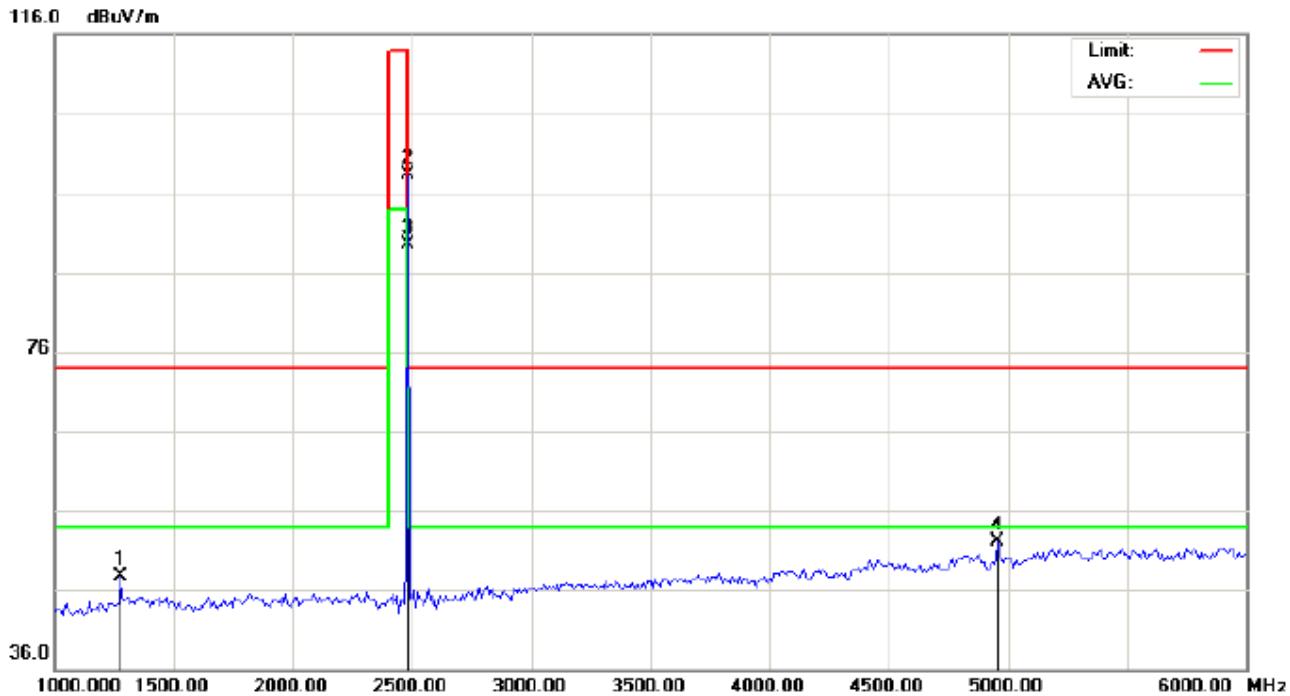


Site: site #1 Polarization: *Vertical* Temperature: 22.7
 Limit: FCC Class B 3M Radiation above 1GHz(PK)- Power: Humidity: 53.6 %
 EUT:Smart Watch / WTX Distance:
 M/N:WTX
 Mode: Middle Channel TX
 Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1275.000 | 43.32 | 4.53 | 47.85 | 74.00 | -26.15 | peak | | | |
| 2 | | 2440.000 | 88.03 | 10.36 | 98.39 | 114.00 | -15.61 | peak | | | |
| 3 | * | 2440.000 | 79.11 | 10.36 | 89.47 | 94.00 | -4.53 | AVG | 150 | 167 | |
| 4 | | 4883.333 | 43.81 | 7.89 | 51.70 | 74.00 | -22.30 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL-HORIZONTAL

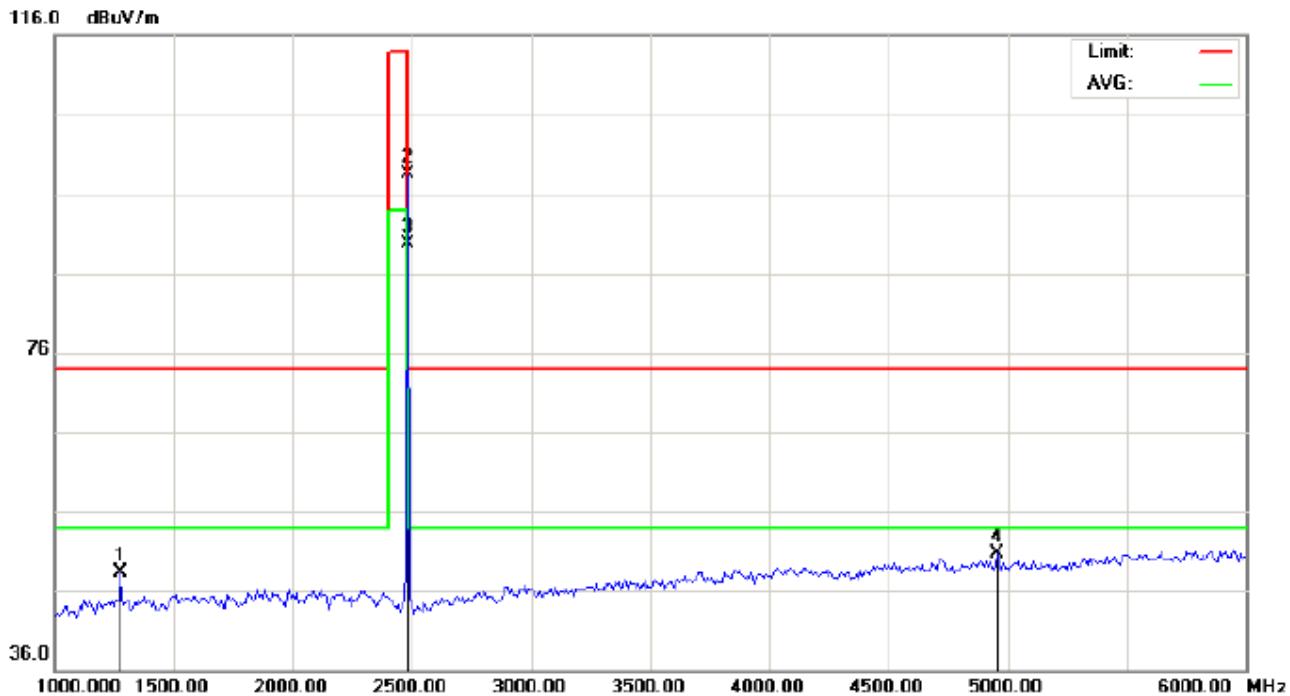


Site: site #1 Polarization: *Horizontal* Temperature: 22.7
Limit: FCC Class B 3M Radiation above 1GHz(PK)- Power: Humidity: 53.6 %
EUT:Smart Watch / WTX Distance:
M/N:WTX
Mode: High Channel TX
Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1275.000 | 43.08 | 4.53 | 47.61 | 74.00 | -26.39 | peak | | | |
| 2 | | 2480.000 | 87.97 | 10.41 | 98.38 | 114.00 | -15.62 | peak | | | |
| 3 | * | 2480.000 | 79.05 | 10.41 | 89.46 | 94.00 | -4.54 | AVG | 100 | 137 | |
| 4 | | 4958.333 | 43.98 | 8.09 | 52.07 | 74.00 | -21.93 | peak | | | |

RESULT: PASS

RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL- VERTICAL



| | | |
|---|-------------------------------|-------------------|
| Site: site #1 | Polarization: <i>Vertical</i> | Temperature: 22.7 |
| Limit: FCC Class B 3M Radiation above 1GHz(PK)- | Power: | Humidity: 53.6 % |
| EUT:Smart Watch / WTX | Distance: | |
| M/N:WTX | | |
| Mode: High Channel TX | | |
| Note: | | |

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 1275.000 | 43.85 | 4.53 | 48.38 | 74.00 | -25.62 | peak | | | |
| 2 | | 2480.000 | 88.08 | 10.41 | 98.49 | 114.00 | -15.51 | peak | | | |
| 3 | * | 2480.000 | 79.26 | 10.41 | 89.67 | 94.00 | -4.33 | AVG | 100 | 164 | |
| 4 | | 4958.333 | 42.70 | 8.09 | 50.79 | 74.00 | -23.21 | peak | | | |

RESULT: PASS

Note: 6~25GHz at least have 20dB margin. No recording in the test report.

Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

Field strength of the fundamental signal

Peak value

| Frequency (MHz) | Reading Level (dBuv) | Factor (dB/m) | Measurement (dBuv/m) | Limit (dBuv/m) | Over (dB) | Antenna Polarization |
|--------------------|-------------------------|------------------|-------------------------|-------------------|--------------|-------------------------|
| 2402 | 88.21 | 10.32 | 98.53 | 114 | -15.47 | Horizontal |
| 2402 | 88.32 | 10.32 | 98.64 | 114 | -15.36 | Vertical |
| 2440 | 88.29 | 10.36 | 98.65 | 114 | -15.35 | Horizontal |
| 2440 | 88.03 | 10.36 | 98.39 | 114 | -15.61 | Vertical |
| 2480 | 87.97 | 10.41 | 98.38 | 114 | -15.62 | Horizontal |
| 2480 | 88.08 | 10.41 | 98.49 | 114 | -15.51 | Vertical |

Average value

| Frequency (MHz) | Reading Level (dBuv) | Factor (dB/m) | Measurement (dBuv/m) | Limit (dBuv/m) | Over (dB) | Antenna Polarization |
|--------------------|-------------------------|------------------|-------------------------|-------------------|--------------|-------------------------|
| 2402 | 79.46 | 10.32 | 89.78 | 94 | -4.22 | Horizontal |
| 2402 | 79.52 | 10.32 | 89.84 | 94 | -4.16 | Vertical |
| 2440 | 79.43 | 10.36 | 89.79 | 94 | -4.21 | Horizontal |
| 2440 | 79.11 | 10.36 | 89.47 | 94 | -4.53 | Vertical |
| 2480 | 79.05 | 10.41 | 89.46 | 94 | -4.54 | Horizontal |
| 2480 | 79.26 | 10.41 | 89.67 | 94 | -4.33 | Vertical |

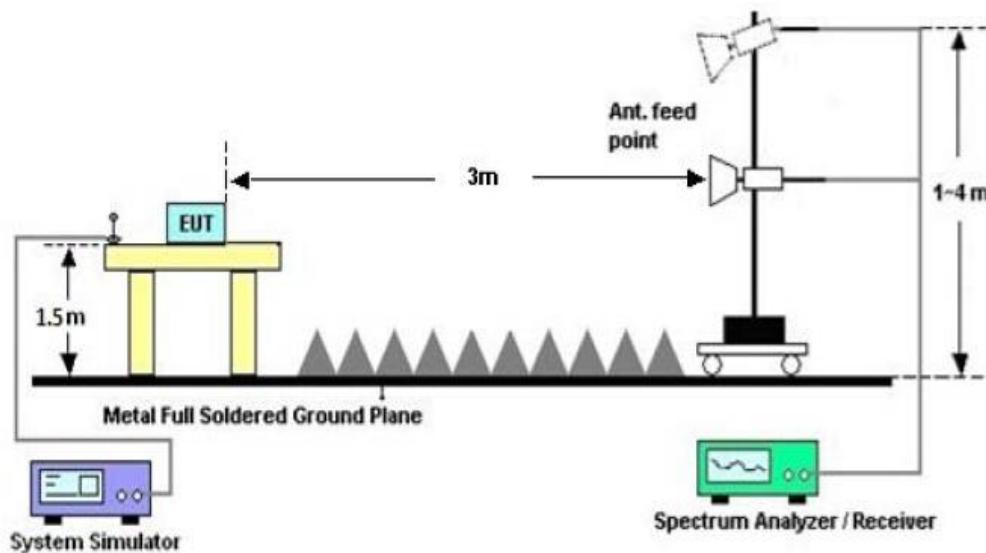
10. BAND EDGE EMISSION

10.1. MEASUREMENT PROCEDURE

- 1The EUT operates at hopping-off test mode. The lowest or highest channels are tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
- 2Max hold the trace of the setup 1, and the EUT operates at hopping-on test mode to verify the largest spurious emissions power.
- 3Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission

10.2 TEST SETUP

RADIATED EMISSION TEST SETUP

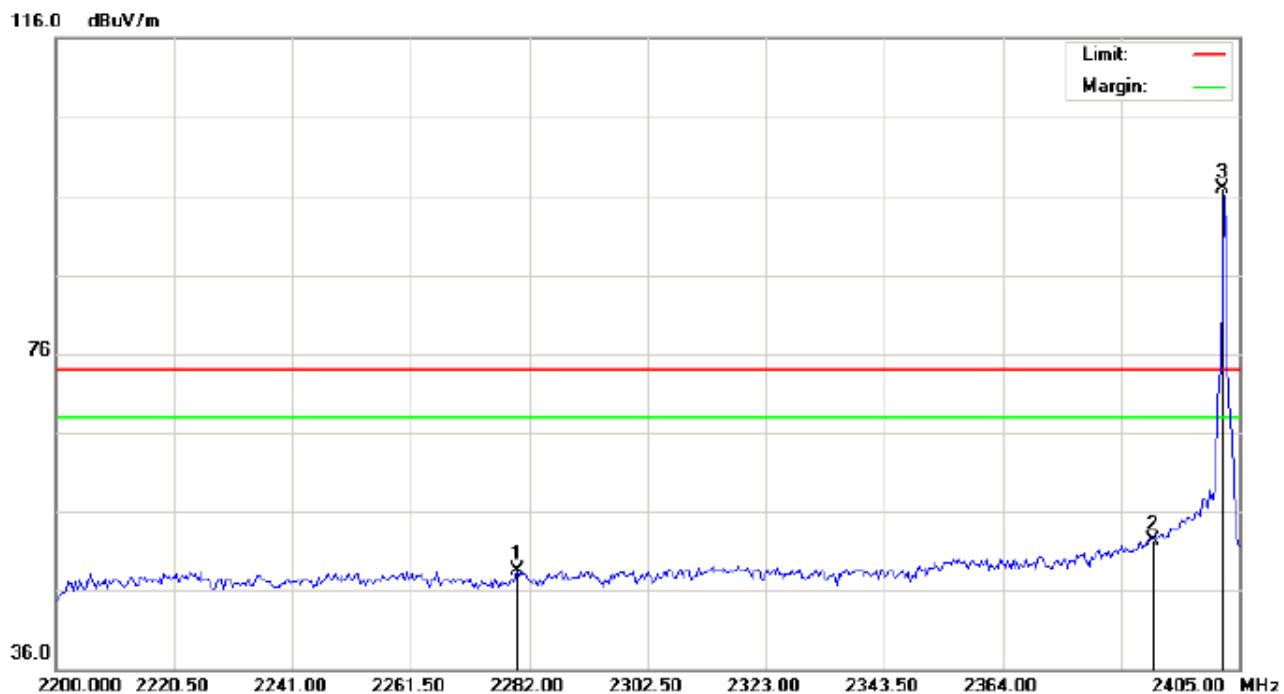


10.3 RADIATED TEST RESULT

(Worst modulation: GFSK)

FOR BR/EDR

TEST PLOT OF BAND EDGE FOR LOW CHANNEL-Horizontal



Site: site #1 Polarization: *Horizontal* Temperature: 26

Limit: FCC Class B 3M Radiation above 1GHz(PK) Power: Humidity: 60 %

EUT:Smart Watch / WTX Distance:

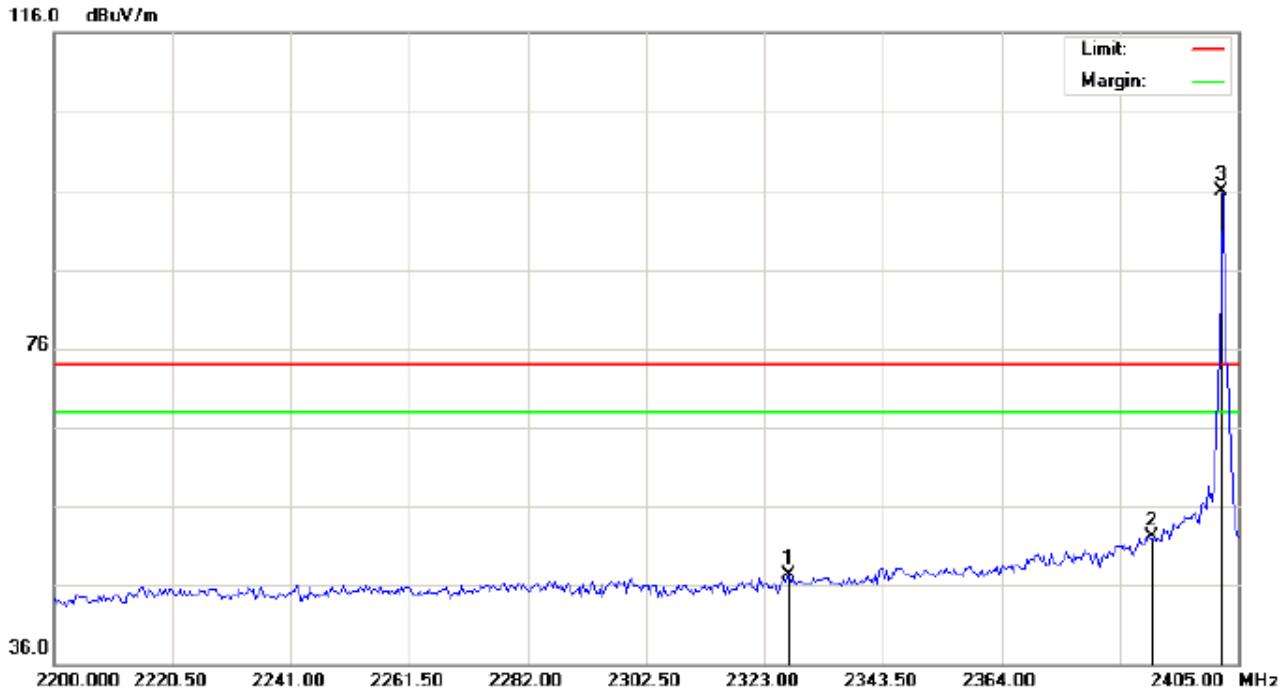
M/N:WTX

Mode: Low Channel TX

Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|-------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dB | cm | | degree | | |
| 1 | | 2279.950 | 38.38 | 10.19 | 48.57 | 74.00 | -25.43 | peak | | | |
| 2 | | 2390.000 | 42.00 | 10.31 | 52.31 | 74.00 | -21.69 | peak | | | |
| 3 | * | 2402.000 | 86.66 | 10.32 | 96.98 | 74.00 | 22.98 | peak | | | |

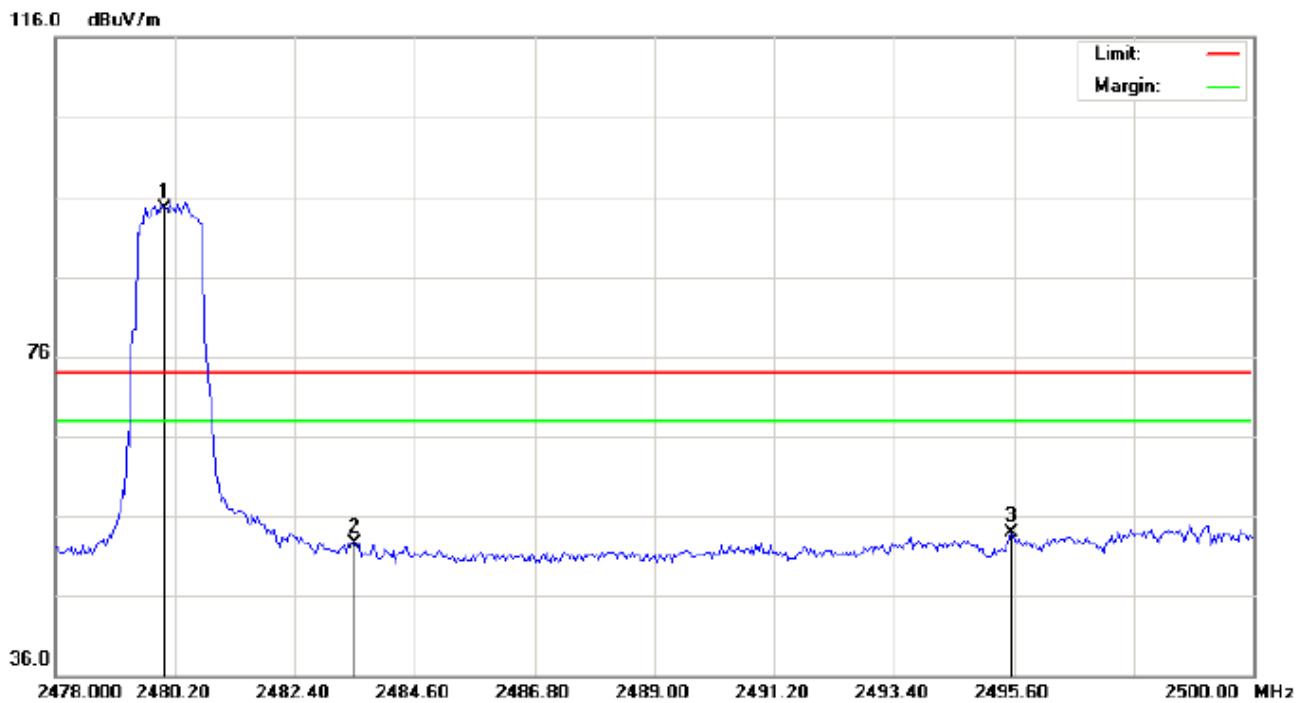
TEST PLOT OF BAND EDGE FOR LOW CHANNEL -Vertical



Site: site #1 Polarization: *Vertical* Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHz(PK) Power: Humidity: 60 %
EUT:Smart Watch / WTX Distance:
M/N:WTX
Mode: Low Channel TX
Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 2327.100 | 37.15 | 10.24 | 47.39 | 74.00 | -26.61 | peak | | | |
| 2 | | 2390.000 | 41.71 | 10.31 | 52.02 | 74.00 | -21.98 | peak | | | |
| 3 | * | 2402.000 | 85.63 | 10.32 | 95.95 | 74.00 | 21.95 | peak | | | |

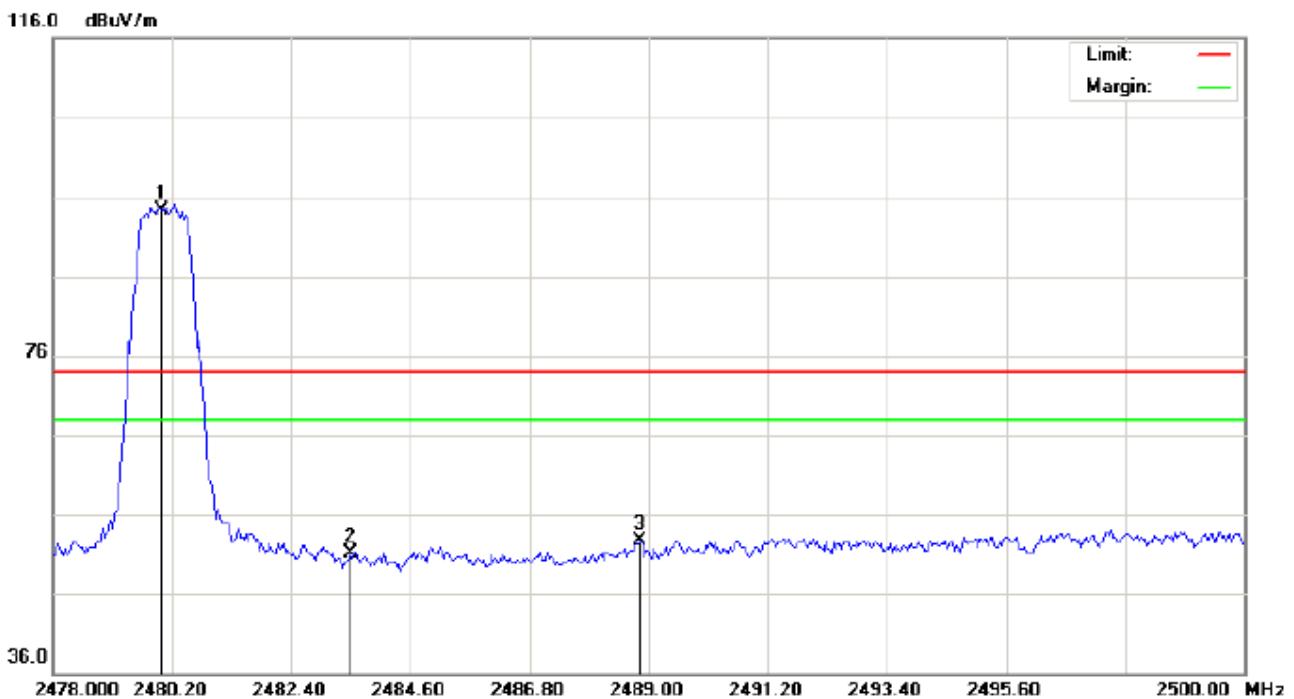
TEST PLOT OF BAND EDGE FOR HIGH CHANNEL -Horizontal



| | | |
|--|---------------------------------|-----------------|
| Site: site #1 | Polarization: <i>Horizontal</i> | Temperature: 26 |
| Limit: FCC Class B 3M Radiation above 1GHz(PK) | Power: | Humidity: 60 % |
| EUT:Smart Watch / WTX | Distance: | |
| M/N:WTX | | |
| Mode: High Channel TX | | |
| Note: | | |

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | * | 2480.000 | 84.05 | 10.41 | 94.46 | 74.00 | 20.46 | peak | | | |
| 2 | | 2483.500 | 42.19 | 10.41 | 52.60 | 74.00 | -21.40 | peak | | | |
| 3 | | 2495.563 | 43.39 | 10.42 | 53.81 | 74.00 | -20.19 | peak | | | |

TEST PLOT OF BAND EDGE FOR HIGH CHANNEL-Vertical



Site: site #1 Polarization: **Vertical** Temperature: 26
 Limit: FCC Class B 3M Radiation above 1GHz(PK) Power: Humidity: 60 %
 EUT:Smart Watch / WTX Distance:
 M/N:WTX
 Mode: High Channel TX
 Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | * | 2480.000 | 83.91 | 10.41 | 94.32 | 74.00 | 20.32 | peak | | | |
| 2 | | 2483.500 | 40.76 | 10.41 | 51.17 | 74.00 | -22.83 | peak | | | |
| 3 | | 2488.853 | 42.37 | 10.42 | 52.79 | 74.00 | -21.21 | peak | | | |

RESULT: PASS

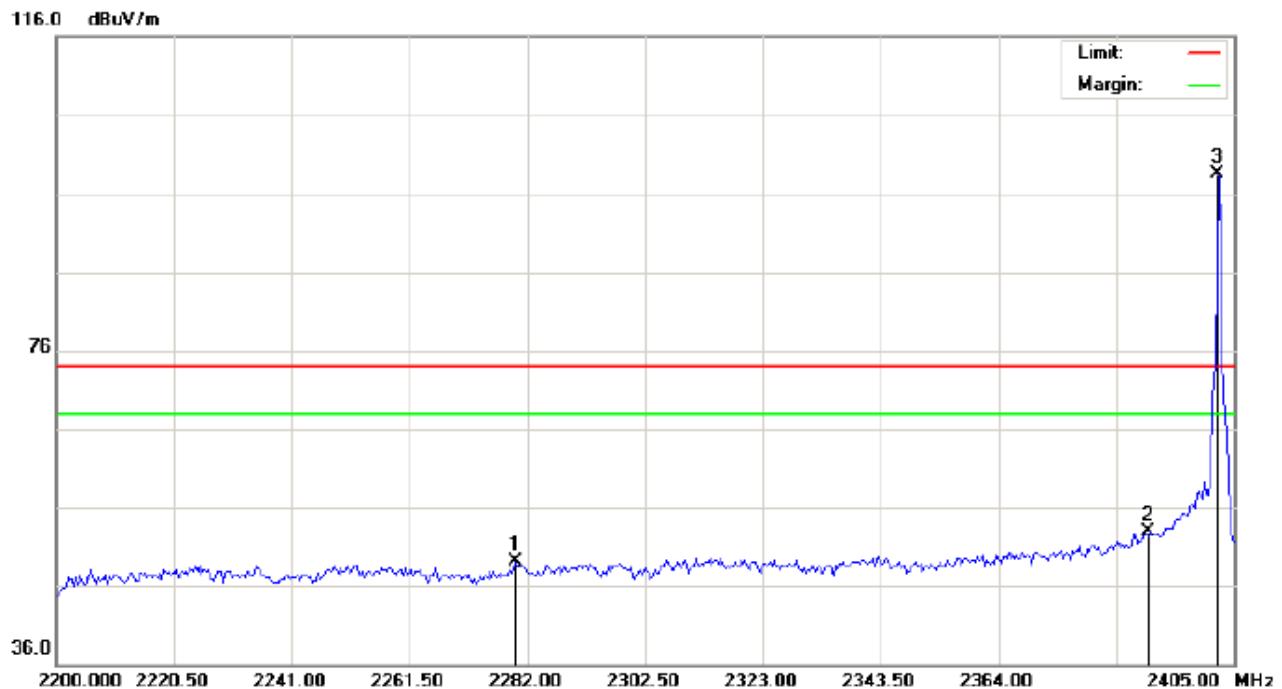
Note: Factor=Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

Hopping on mode and Hopping off mode have been tested, but only worst case reported.

FOR BLE

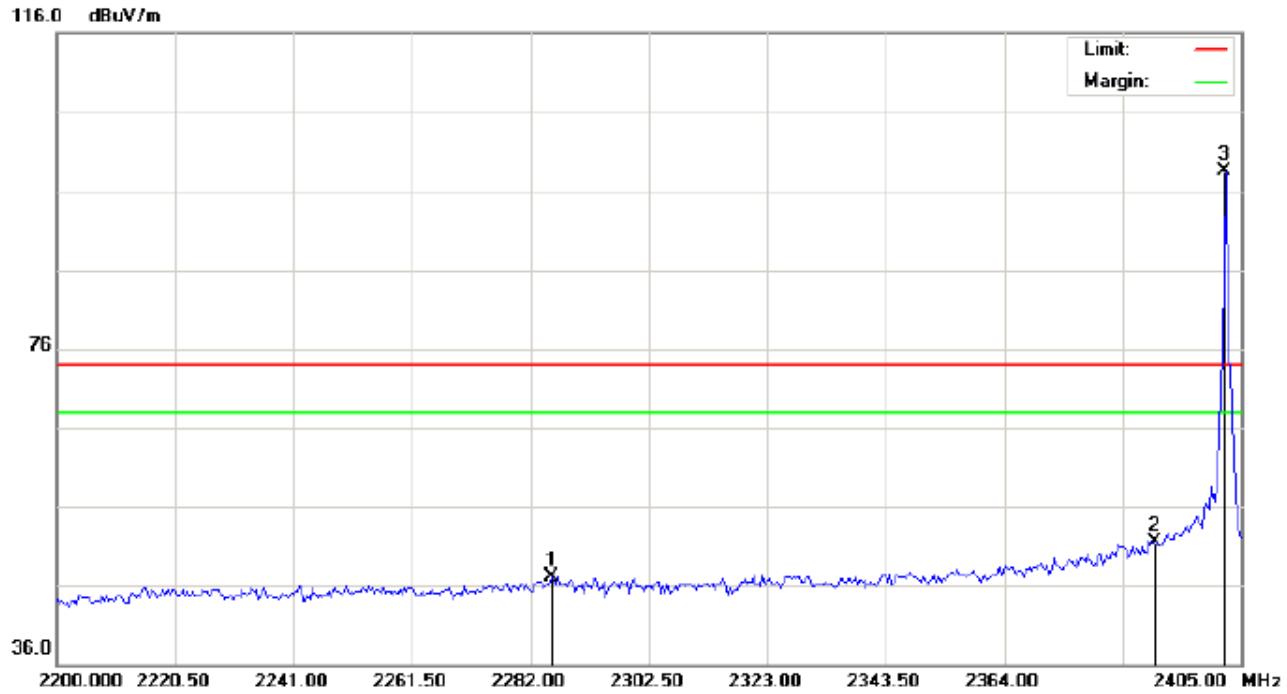
TEST PLOT OF BAND EDGE FOR LOW CHANNEL-Horizontal



Site: site #1 Polarization: *Horizontal* Temperature: 26
 Limit: FCC Class B 3M Radiation above 1GHz(PK) Power: Humidity: 60 %
 EUT:Smart Watch / WTX Distance:
 M/N:WTX
 Mode: Low Channel TX
 Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 2279.950 | 38.88 | 10.19 | 49.07 | 74.00 | -24.93 | peak | | | |
| 2 | | 2390.000 | 42.50 | 10.31 | 52.81 | 74.00 | -21.19 | peak | | | |
| 3 | * | 2402.000 | 88.22 | 10.32 | 98.54 | 74.00 | 24.54 | peak | | | |

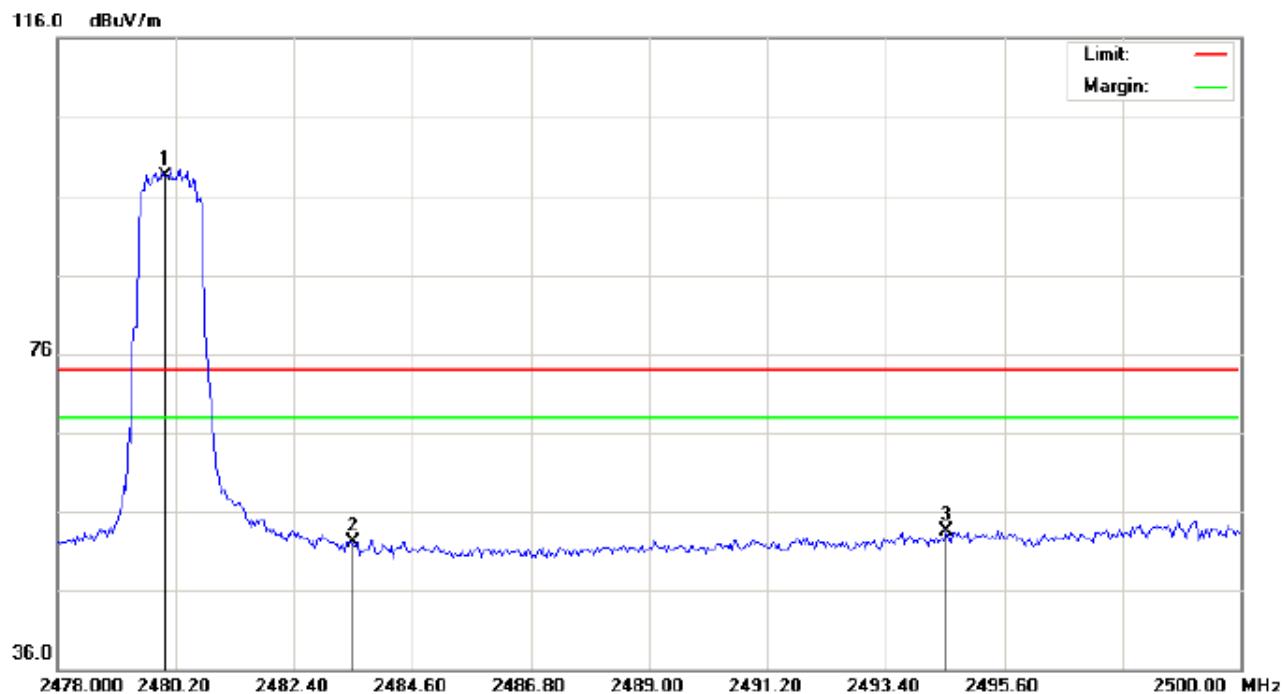
TEST PLOT OF BAND EDGE FOR LOW CHANNEL -Vertical



Site: site #1 Polarization: **Vertical** Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHz(PK) Power: Humidity: 60 %
EUT:Smart Watch / WTX Distance:
M/N:WTX
Mode: Low Channel TX
Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 2285.758 | 36.88 | 10.19 | 47.07 | 74.00 | -26.93 | peak | | | |
| 2 | | 2390.000 | 41.21 | 10.31 | 51.52 | 74.00 | -22.48 | peak | | | |
| 3 | * | 2402.000 | 88.09 | 10.32 | 98.41 | 74.00 | 24.41 | peak | | | |

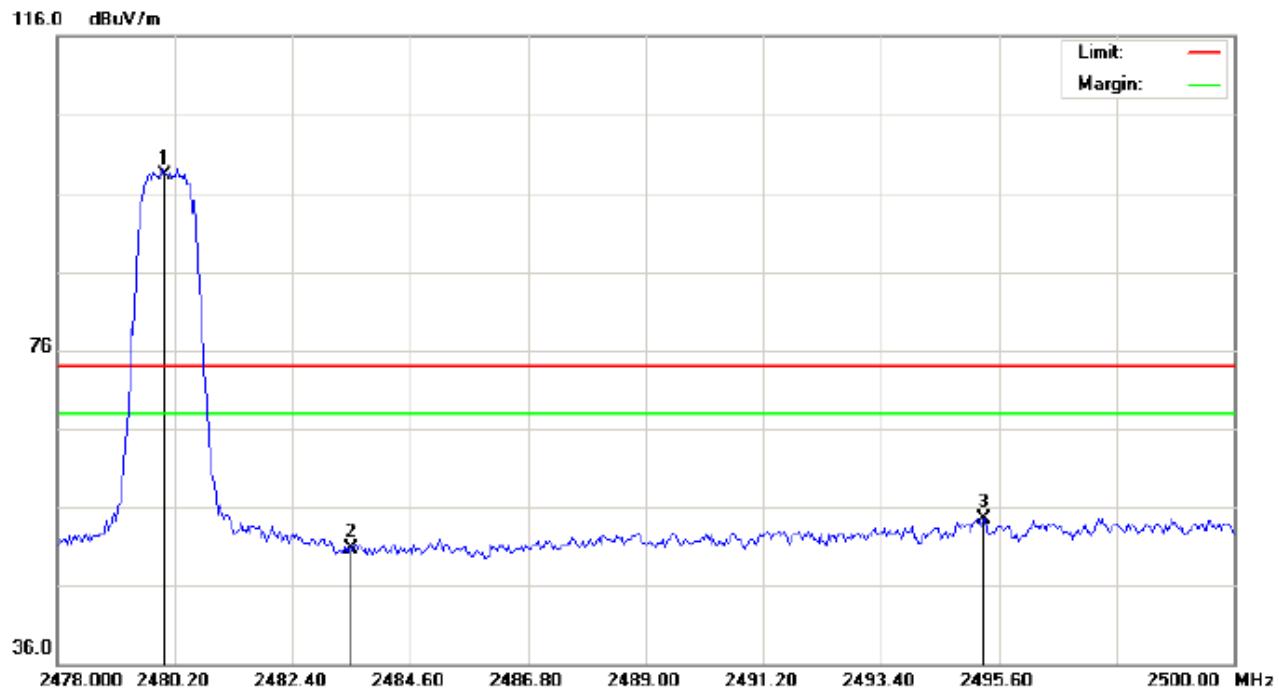
TEST PLOT OF BAND EDGE FOR HIGH CHANNEL -Horizontal



| | | |
|--|---------------------------------|-----------------|
| Site: site #1 | Polarization: <i>Horizontal</i> | Temperature: 26 |
| Limit: FCC Class B 3M Radiation above 1GHz(PK) | Power: | Humidity: 60 % |
| EUT:Smart Watch / WTX | Distance: | |
| M/N:WTX | | |
| Mode: High Channel TX | | |
| Note: | | |

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | * | 2480.000 | 88.05 | 10.41 | 98.46 | 74.00 | 24.46 | peak | | | |
| 2 | | 2483.500 | 41.69 | 10.41 | 52.10 | 74.00 | -21.90 | peak | | | |
| 3 | | 2494.537 | 43.02 | 10.42 | 53.44 | 74.00 | -20.56 | peak | | | |

TEST PLOT OF BAND EDGE FOR HIGH CHANNEL-Vertical



Site: site #1 Polarization: **Vertical** Temperature: 26
 Limit: FCC Class B 3M Radiation above 1GHz(PK) Power:
 EUT:Smart Watch / WTX Distance:
 M/N:WTX
 Mode: High Channel TX
 Note:

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna | Table | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|---------|--------|---------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | | Height | Degree | |
| 1 | * | 2480.000 | 87.92 | 10.41 | 98.33 | 74.00 | 24.33 | peak | | | |
| 2 | | 2483.500 | 40.26 | 10.41 | 50.67 | 74.00 | -23.33 | peak | | | |
| 3 | | 2495.307 | 44.11 | 10.42 | 54.53 | 74.00 | -19.47 | peak | | | |

RESULT: PASS

Note: Factor=Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

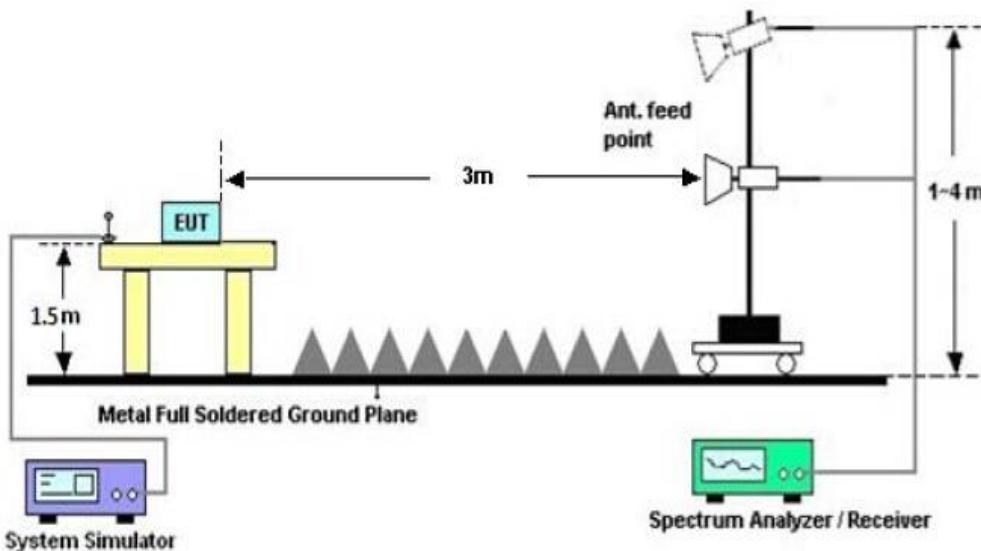
The "Factor" value can be calculated automatically by software of measurement system.

11. 20DB BANDWIDTH

11.1. MEASUREMENT PROCEDURE

1. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
2. Set Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hoping channel
 $RBW \geq 1\%$ of the 20 dB bandwidth, $VBW \geq RBW$; Sweep = auto; Detector function = peak
3. Set SPA Trace 1 Max hold, then View.

11.2. TEST SET-UP

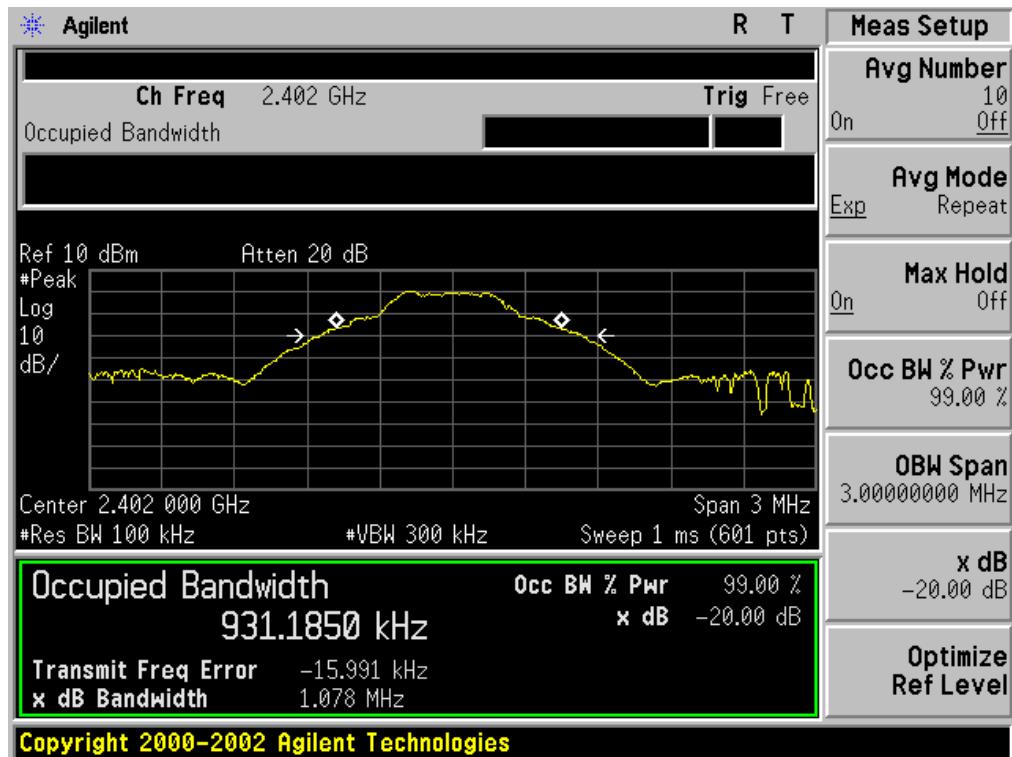


11.3. LIMITS AND MEASUREMENT RESULTS

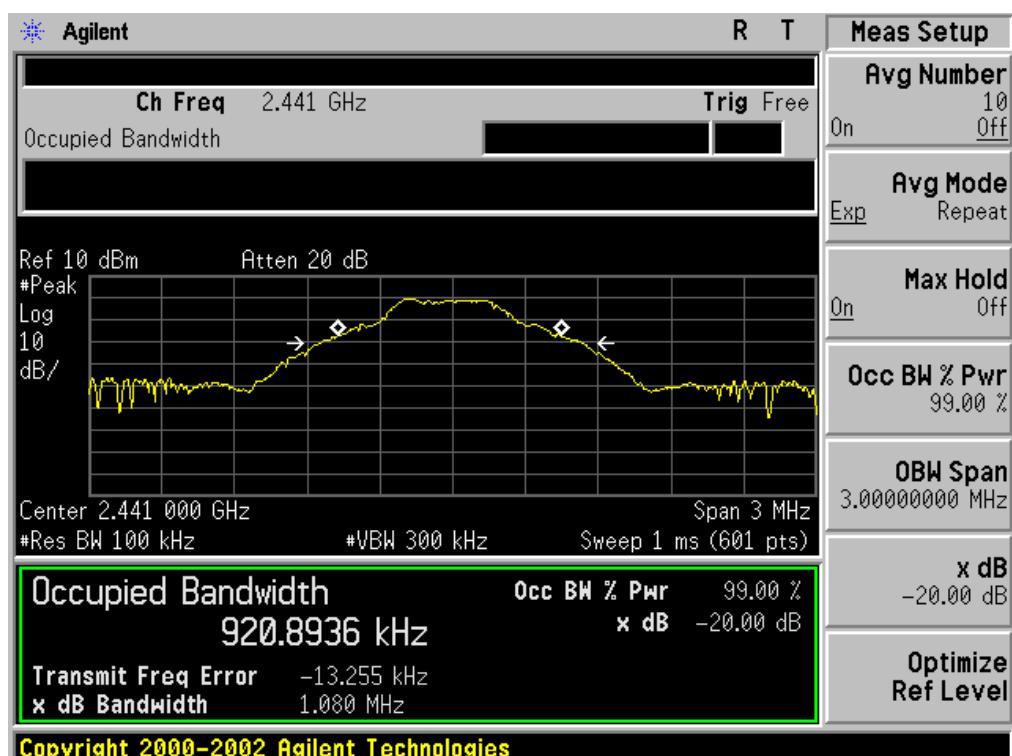
FOR BR/EDR

| BLUETOOTH 1MBPS LIMITS AND MEASUREMENT RESULT | | | | | |
|---|--------------------|-------|--------------|--------|--|
| Applicable Limits | Measurement Result | | | Result | |
| | Test Data (MHz) | | 99%OBW (MHz) | | |
| | | | | | |
| N/A | Low Channel | 0.931 | 1.078 | PASS | |
| | Middle Channel | 0.921 | 1.080 | PASS | |
| | High Channel | 0.933 | 1.074 | PASS | |

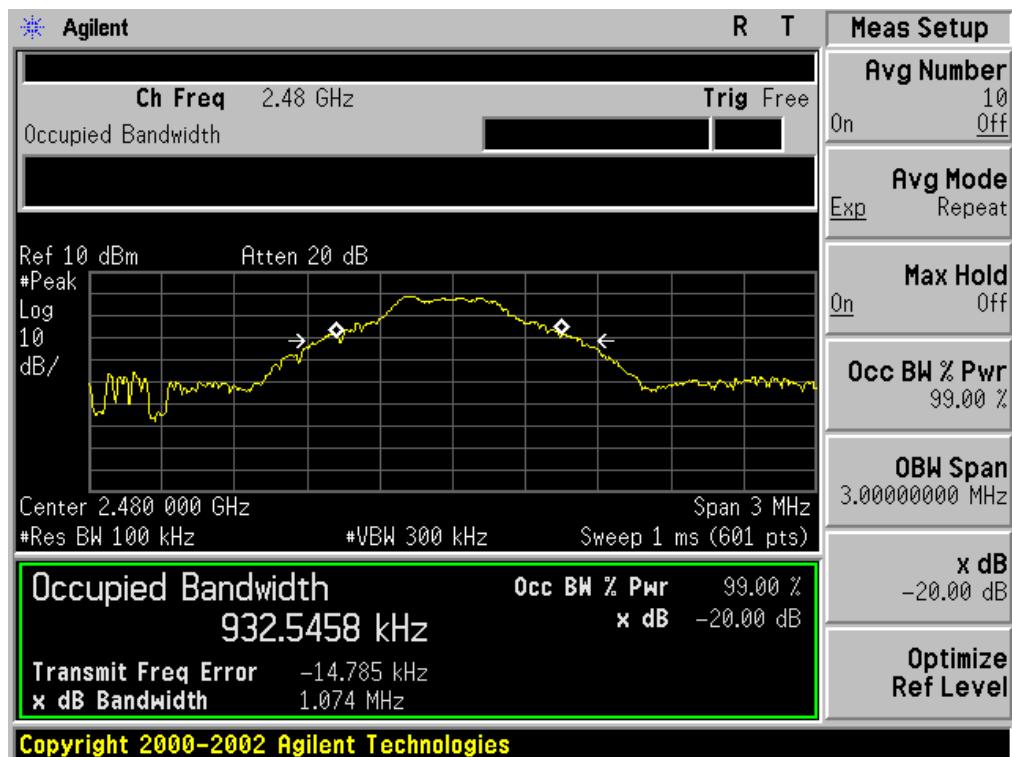
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

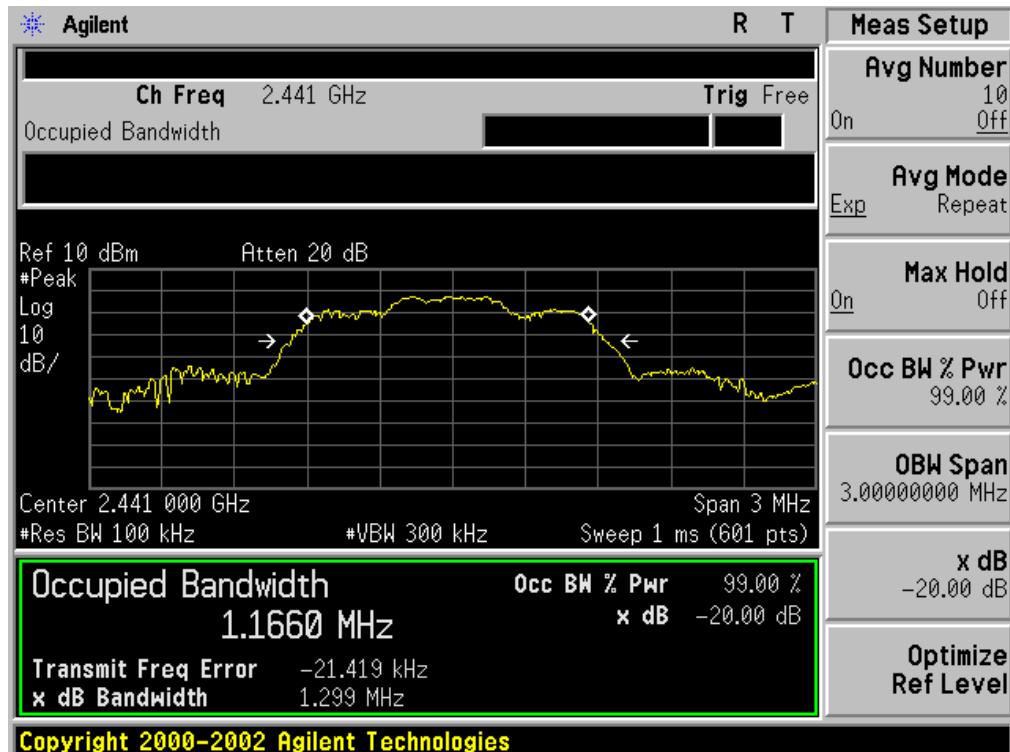


| BLUETOOTH 2MBPS LIMITS AND MEASUREMENT RESULT | | | | |
|---|--------------------|--------------|---------------|--------|
| Applicable Limits | Measurement Result | | | |
| | Test Data (MHz) | | | Result |
| | | 99%OBW (MHz) | -20dB BW(MHz) | |
| N/A | Low Channel | 1.150 | 1.301 | PASS |
| | Middle Channel | 1.166 | 1.299 | PASS |
| | High Channel | 1.153 | 1.296 | PASS |

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL

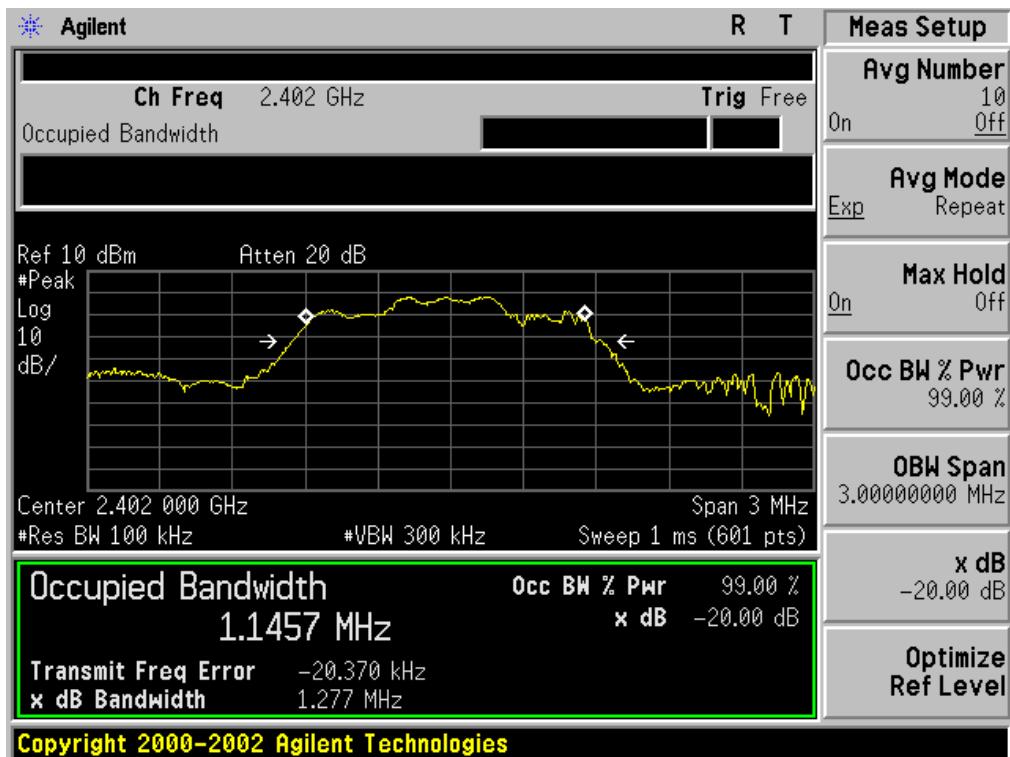


TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

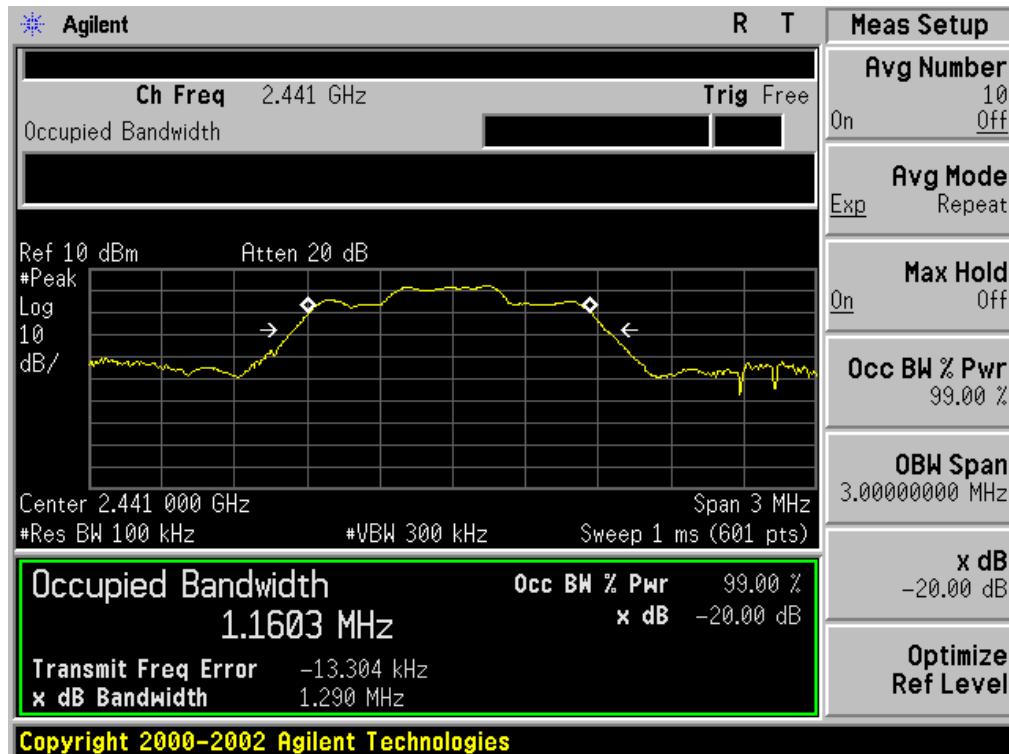


| BLUETOOTH 3MBPS LIMITS AND MEASUREMENT RESULT | | | | |
|---|--------------------|--------------|---------------|--------|
| Applicable Limits | Measurement Result | | | |
| | Test Data (MHz) | | | Result |
| | | 99%OBW (MHz) | -20dB BW(MHz) | |
| N/A | Low Channel | 1.146 | 1.277 | PASS |
| | Middle Channel | 1.160 | 1.290 | PASS |
| | High Channel | 1.150 | 1.271 | PASS |

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



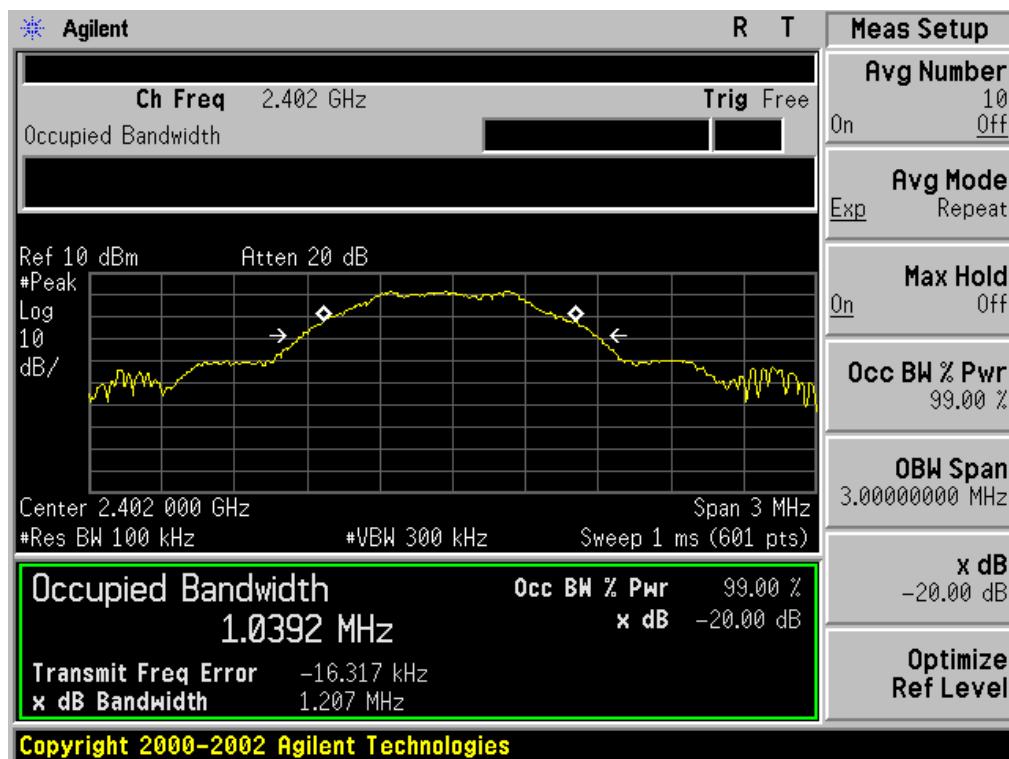
TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



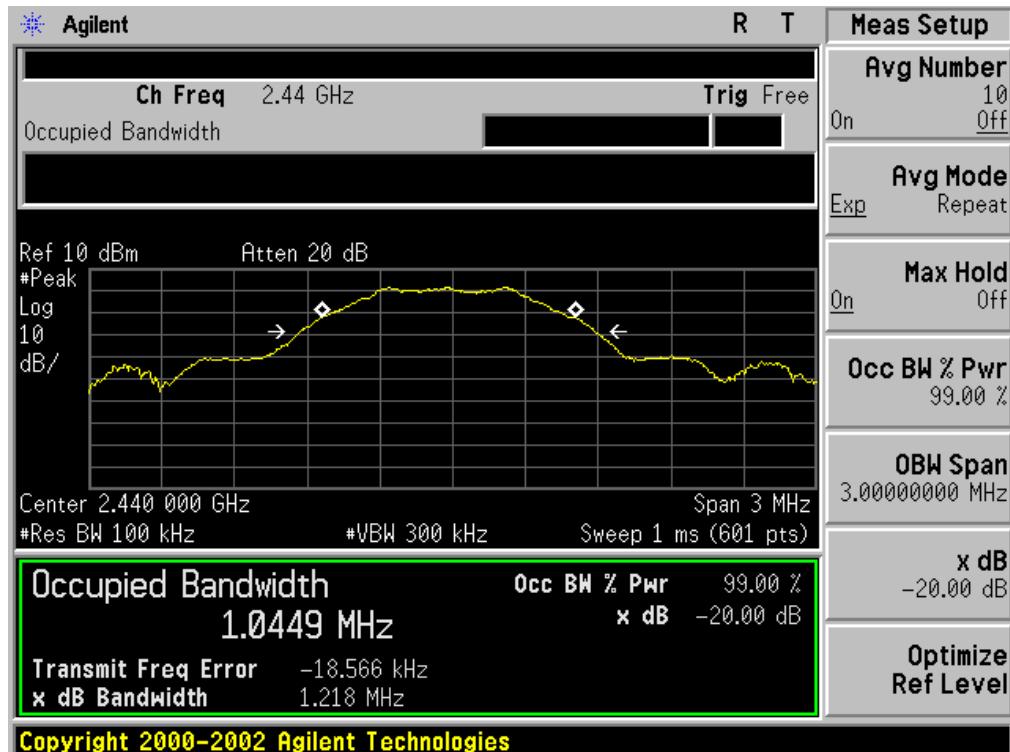
FOR BLE

| BLUETOOTH 1MBPS LIMITS AND MEASUREMENT RESULT | | | | |
|---|--------------------|--------------|---------------|--------|
| Applicable Limits | Measurement Result | | | |
| | Test Data (MHz) | | | Result |
| | | 99%OBW (MHz) | -20dB BW(MHz) | |
| N/A | Low Channel | 1.039 | 1.207 | PASS |
| | Middle Channel | 1.045 | 1.218 | PASS |
| | High Channel | 1.048 | 1.226 | PASS |

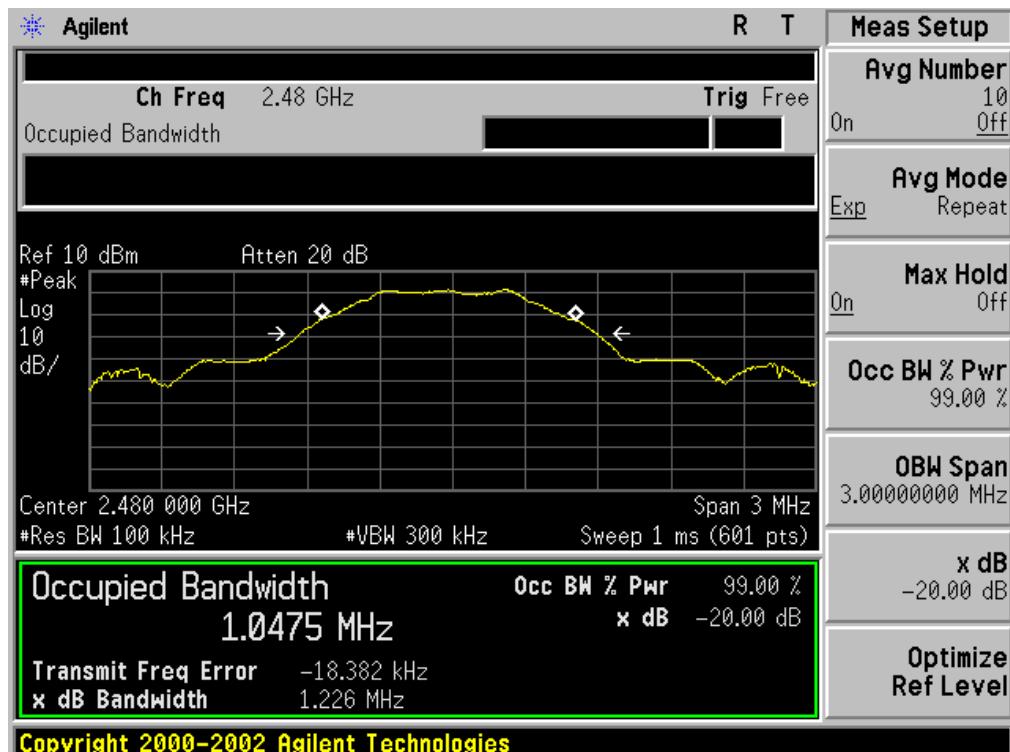
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



12. FCC LINE CONDUCTED EMISSION TEST

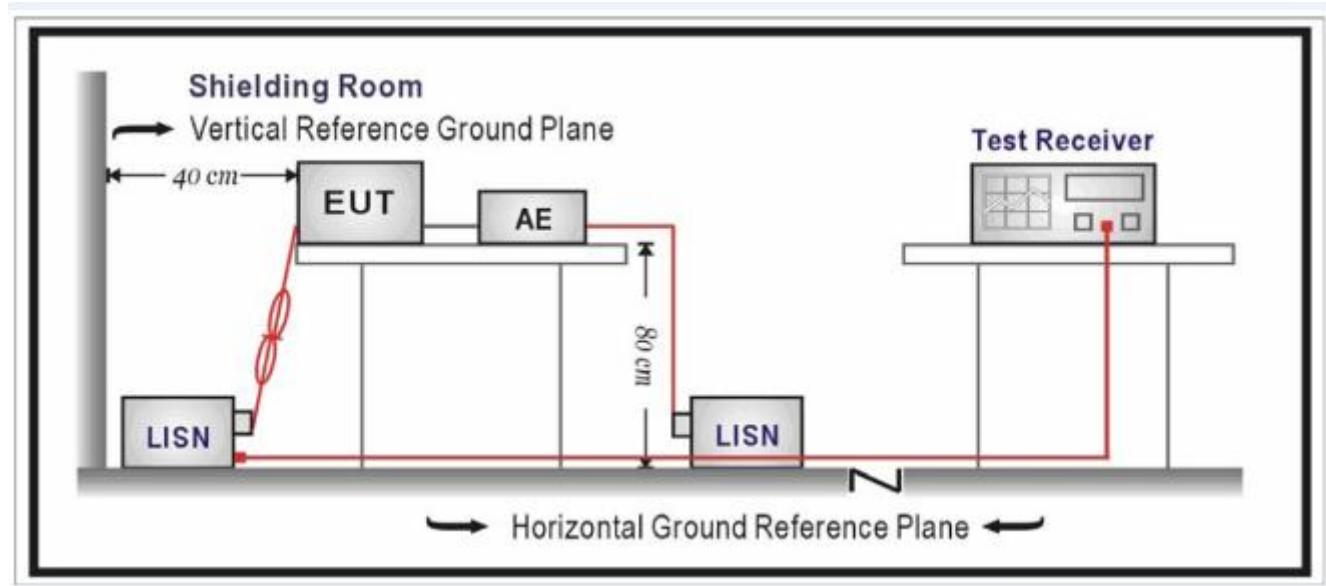
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST

| Frequency | Maximum RF Line Voltage | |
|---------------|-------------------------|----------------|
| | Q.P.(dBuV) | Average(dBuV) |
| 150kHz~500kHz | 66-56 | 56-46 |
| 500kHz~5MHz | 56 | 46 |
| 5MHz~30MHz | 60 | 50 |

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

12.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



12.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. All support equipments received AC120V/60Hz power from a LISN, if any.
5. The EUT received DC charging voltage by adapter or PC which received 120V/60Hzpower by a LISN.
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

12.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

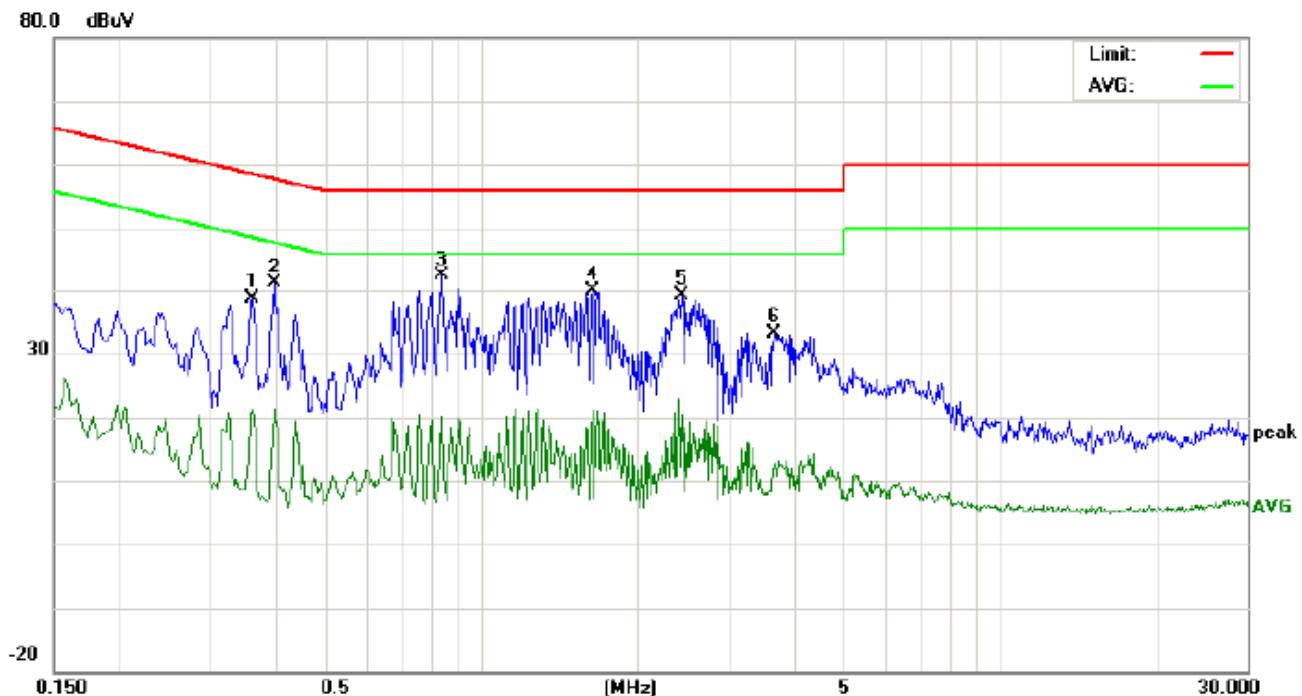
1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less -2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case condition(s) was reported on the Summary Data page.

12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

By adapter(worst case)

FOR BR/EDR

Line Conducted Emission Test Line 1-L



Site: Conduction Phase: *L1* Temperature: 23.1

Limit: FCC Class B Conduction(QP) Power: Humidity: 55.4 %

EUT:Smart Watch / WTX

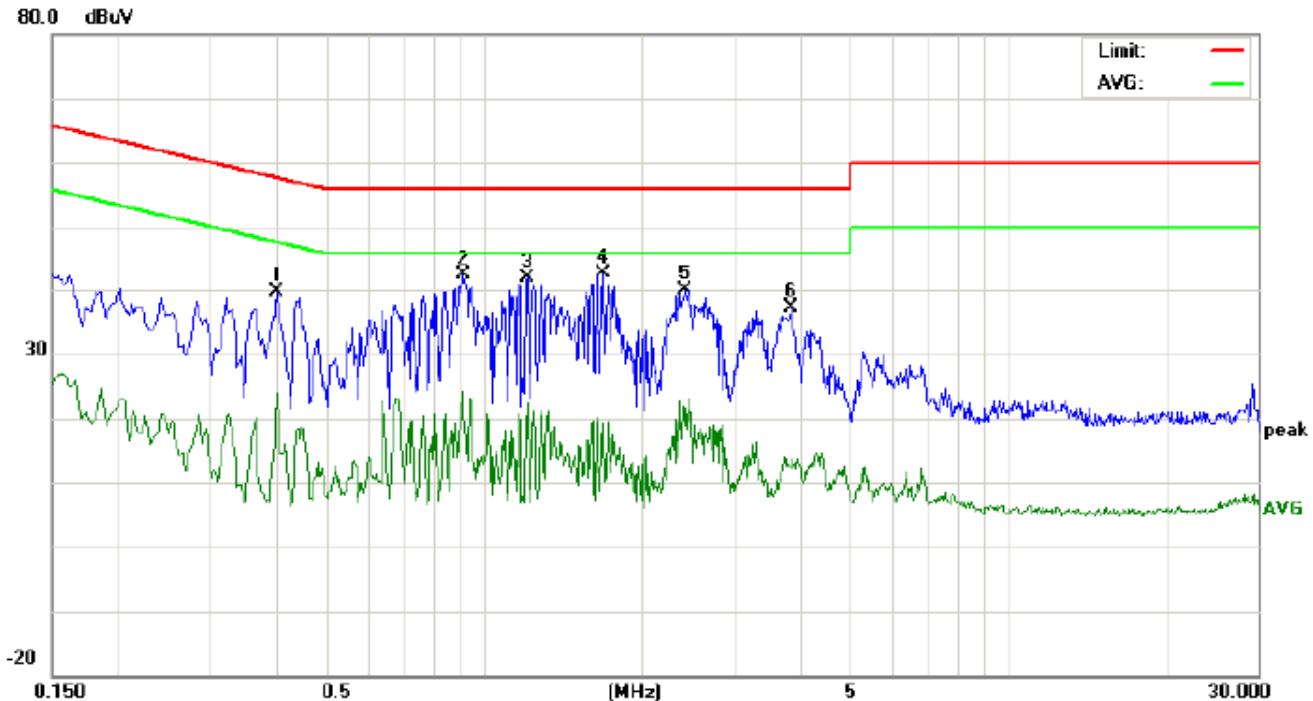
M/N:WTX

Mode: BT Link with charging

Note:

| No. | Freq. (MHz) | Reading_Level (dBuV) | | | Correct Factor | Measurement (dBuV) | | | Limit (dBuV) | | Margin (dB) | | P/F | Comment |
|-----|----------------|-------------------------|----|-------|-------------------|-----------------------|------|-------|-----------------|-------|----------------|--------|-----|---------|
| | | Peak | QP | AVG | | dB | Peak | QP | Avg | QP | Avg | QP | Avg | |
| 1 | 0.3618 | 28.27 | | 10.84 | 10.31 | 38.58 | | 21.15 | 58.69 | 48.69 | -20.11 | -27.54 | P | |
| 2 | 0.3980 | 30.68 | | 11.13 | 10.33 | 41.01 | | 21.46 | 57.89 | 47.89 | -16.88 | -26.43 | P | |
| 3 | 0.8417 | 32.00 | | 9.58 | 10.33 | 42.33 | | 19.91 | 56.00 | 46.00 | -13.67 | -26.09 | P | |
| 4 | 1.6376 | 29.51 | | 10.68 | 10.34 | 39.85 | | 21.02 | 56.00 | 46.00 | -16.15 | -24.98 | P | |
| 5 | 2.4380 | 28.79 | | 9.87 | 10.40 | 39.19 | | 20.27 | 56.00 | 46.00 | -16.81 | -25.73 | P | |
| 6 | 3.6779 | 22.57 | | 2.19 | 10.48 | 33.05 | | 12.67 | 56.00 | 46.00 | -22.95 | -33.33 | P | |

Line Conducted Emission Test Line 2-N

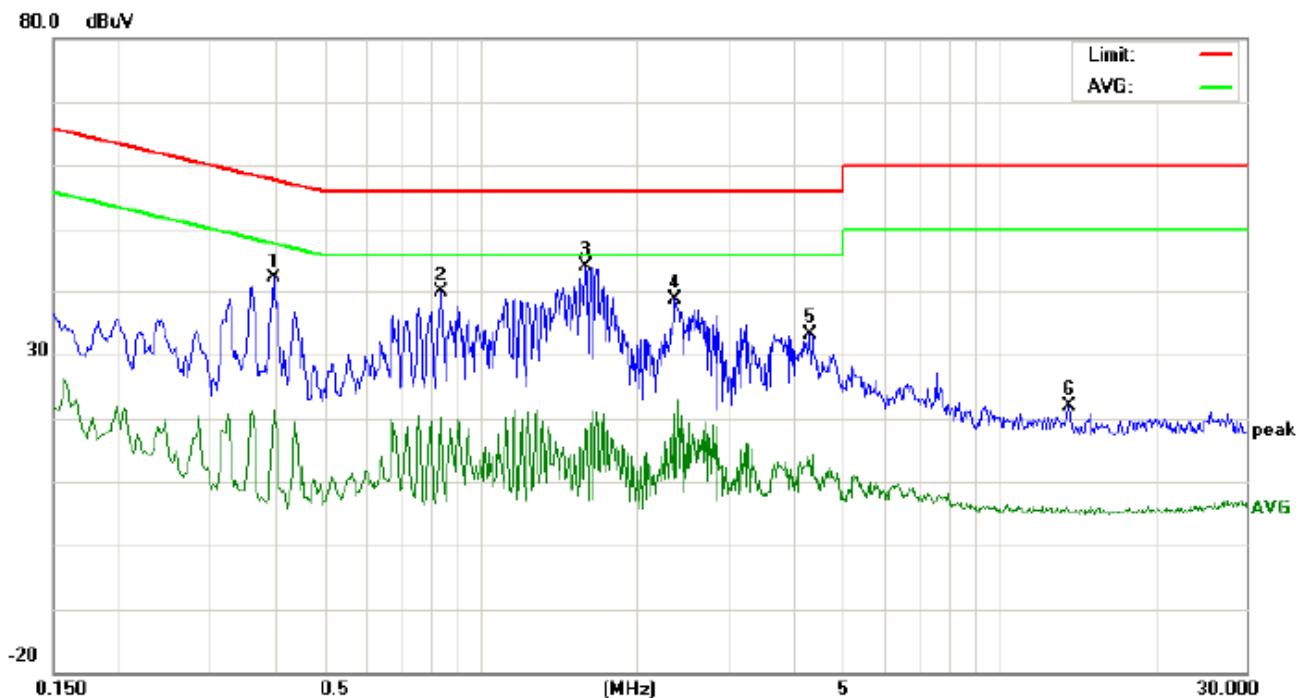


Site: Conduction Phase: **N** Temperature: 23.1
 Limit: FCC Class B Conduction(QP) Power: Humidity: 55.4 %
 EUT:Smart Watch / WTX
 M/N:WTX
 Mode: BT Link with charging
 Note:

| No. | Freq. (MHz) | Reading_Level (dBuV) | | | Correct Factor | Measurement (dBuV) | | | Limit (dBuV) | | Margin (dB) | | P/F | Comment |
|-----|----------------|-------------------------|----|-------|-------------------|-----------------------|----|-------|-----------------|-------|----------------|--------|-----|---------|
| | | Peak | QP | Avg | | Peak | QP | Avg | QP | Avg | QP | Avg | | |
| 1 | 0.4020 | 29.41 | | 13.61 | 10.33 | 39.74 | | 23.94 | 57.81 | 47.81 | -18.07 | -23.87 | P | |
| 2 | 0.9180 | 32.07 | | 10.26 | 10.40 | 42.47 | | 20.66 | 56.00 | 46.00 | -13.53 | -25.34 | P | |
| 3 | 1.2096 | 31.53 | | 11.91 | 10.37 | 41.90 | | 22.28 | 56.00 | 46.00 | -14.10 | -23.72 | P | |
| 4 | 1.6936 | 32.19 | | 7.33 | 10.32 | 42.51 | | 17.65 | 56.00 | 46.00 | -13.49 | -28.35 | P | |
| 5 | 2.4219 | 29.55 | | 11.34 | 10.40 | 39.95 | | 21.74 | 56.00 | 46.00 | -16.05 | -24.26 | P | |
| 6 | 3.8580 | 26.68 | | 2.50 | 10.45 | 37.13 | | 12.95 | 56.00 | 46.00 | -18.87 | -33.05 | P | |

FOR BLE

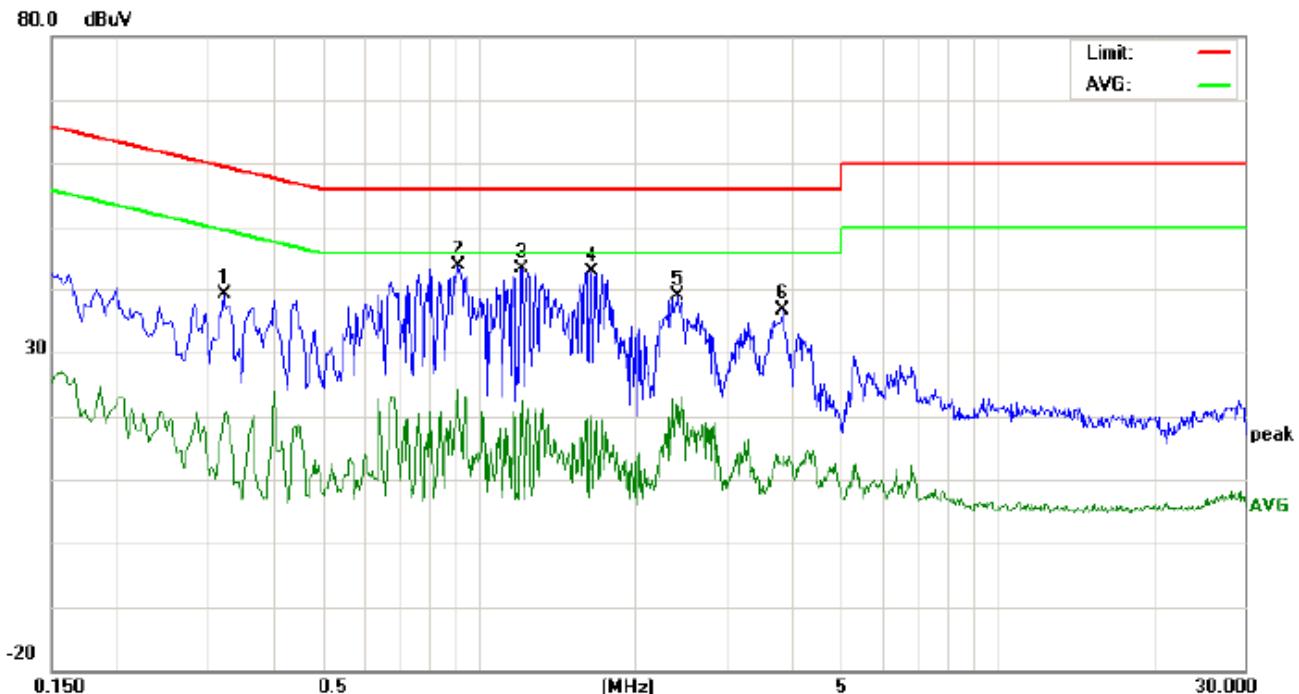
Line Conducted Emission Test Line 1-L



Site: Conduction Phase: L1 Temperature: 23.1
 Limit: FCC Class B Conduction(QP) Power: Humidity: 55.4 %
 EUT:Smart Watch / WTX
 M/N:WTX
 Mode: BT Link with charging
 Note:

| No. | Freq. (MHz) | Reading_Level (dBuV) | | | Correct Factor | Measurement (dBuV) | | | Limit (dBuV) | | Margin (dB) | | P/F | Comment |
|-----|----------------|-------------------------|----|-------|-------------------|-----------------------|------|-------|-----------------|-------|----------------|--------|-----|---------|
| | | Peak | QP | AVG | | dB | Peak | QP | Avg | QP | Avg | QP | Avg | |
| 1 | 0.3980 | 31.68 | | 11.13 | 10.33 | 42.01 | | 21.46 | 57.89 | 47.89 | -15.88 | -26.43 | P | |
| 2 | 0.8417 | 29.50 | | 9.58 | 10.33 | 39.83 | | 19.91 | 56.00 | 46.00 | -16.17 | -26.09 | P | |
| 3 | 1.5980 | 33.78 | | 8.10 | 10.35 | 44.13 | | 18.45 | 56.00 | 46.00 | -11.87 | -27.55 | P | |
| 4 | 2.3740 | 28.14 | | 0.29 | 10.38 | 38.52 | | 10.67 | 56.00 | 46.00 | -17.48 | -35.33 | P | |
| 5 | 4.3338 | 22.78 | | 3.04 | 10.28 | 33.06 | | 13.32 | 56.00 | 46.00 | -22.94 | -32.68 | P | |
| 6 | 13.6257 | 11.85 | | -4.67 | 10.13 | 21.98 | | 5.46 | 60.00 | 50.00 | -38.02 | -44.54 | P | |

Line Conducted Emission Test Line 2-N



Site: Conduction Phase: **N** Temperature: 23.1
 Limit: FCC Class B Conduction(QP) Power: Humidity: 55.4 %
 EUT:Smart Watch / WTX
 M/N:WTX
 Mode: BT Link with charging
 Note:

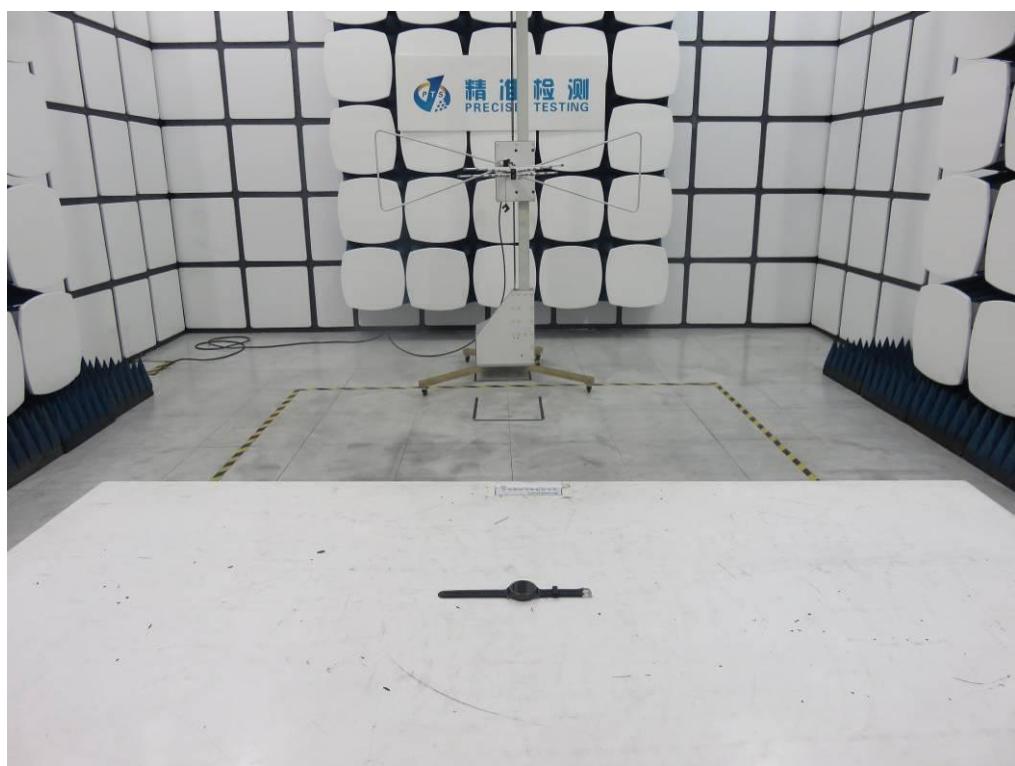
| No. | Freq. (MHz) | Reading_Level (dBuV) | | | Correct Factor | Measurement (dBuV) | | | Limit (dBuV) | | Margin (dB) | | P/F | Comment |
|-----|----------------|-------------------------|----|-------|-------------------|-----------------------|----|-------|-----------------|-------|----------------|--------|-----|---------|
| | | Peak | QP | Avg | | Peak | QP | Avg | QP | Avg | QP | Avg | | |
| 1 | 0.3220 | 28.72 | | 9.74 | 10.30 | 39.02 | | 20.04 | 59.65 | 49.65 | -20.63 | -29.61 | P | |
| 2 | 0.9180 | 33.57 | | 10.26 | 10.40 | 43.97 | | 20.66 | 56.00 | 46.00 | -12.03 | -25.34 | P | |
| 3 | 1.2096 | 33.03 | | 11.91 | 10.37 | 43.40 | | 22.28 | 56.00 | 46.00 | -12.60 | -23.72 | P | |
| 4 | 1.6494 | 32.50 | | 9.92 | 10.33 | 42.83 | | 20.25 | 56.00 | 46.00 | -13.17 | -25.75 | P | |
| 5 | 2.4219 | 28.55 | | 11.34 | 10.40 | 38.95 | | 21.74 | 56.00 | 46.00 | -17.05 | -24.26 | P | |
| 6 | 3.8580 | 26.18 | | 2.50 | 10.45 | 36.63 | | 12.95 | 56.00 | 46.00 | -19.37 | -33.05 | P | |

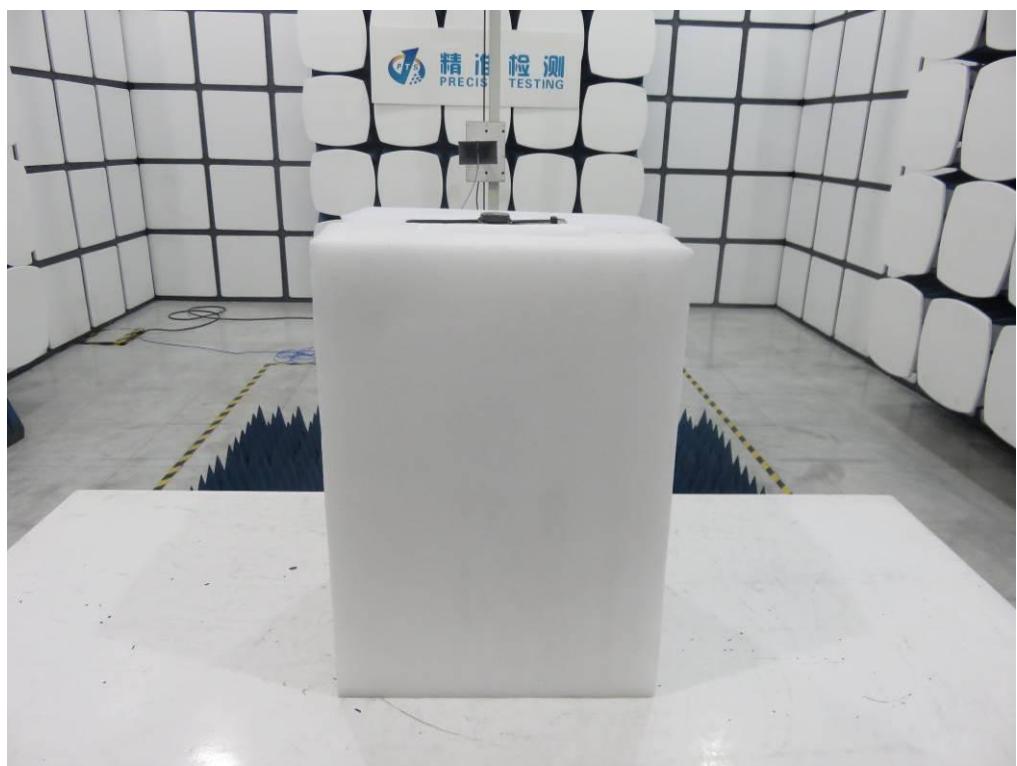
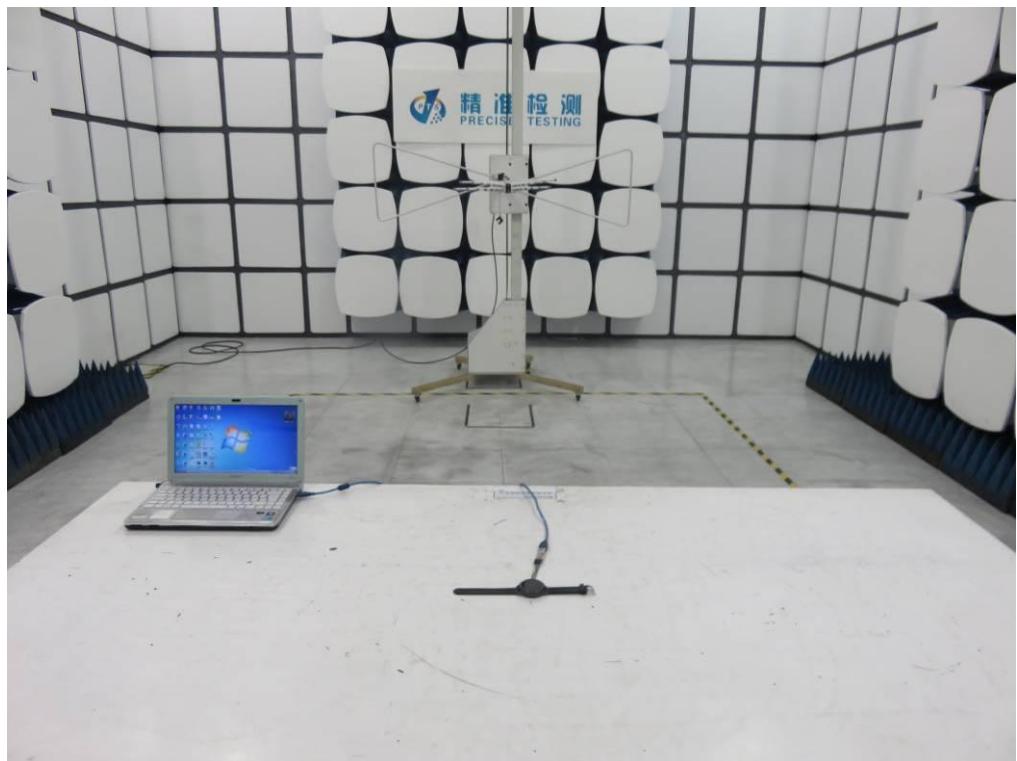
APPENDIX A: PHOTOGRAPHS OF TEST SETUP

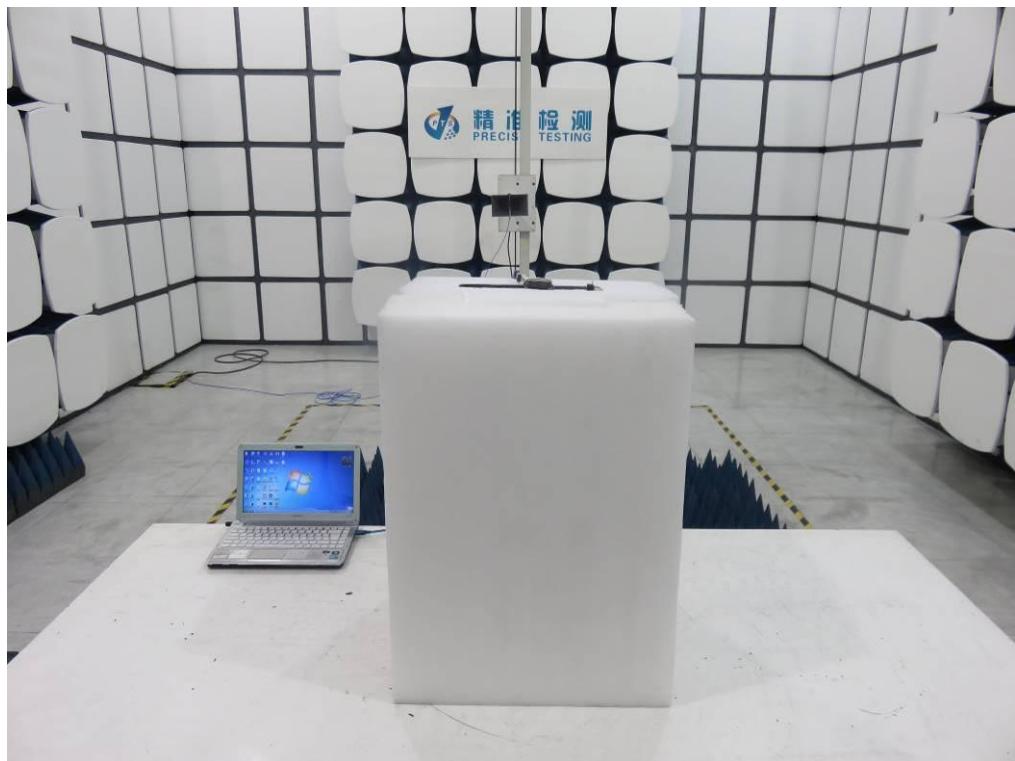
FCC LINE CONDUCTED EMISSION TEST SETUP



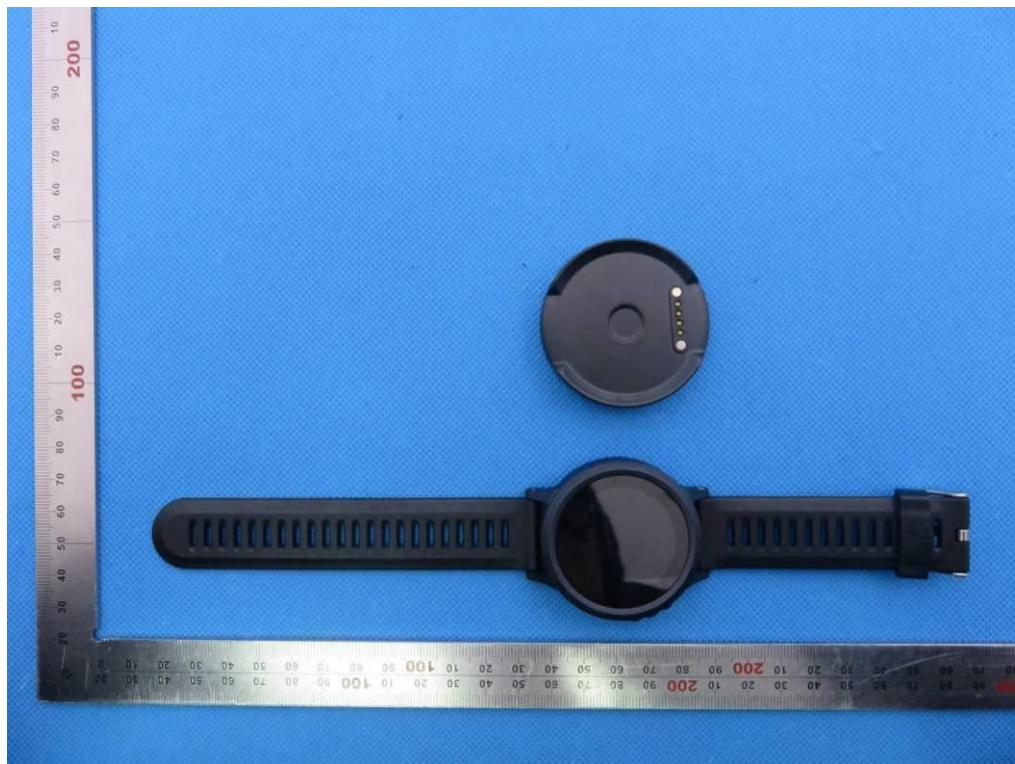
FCC RADIATED EMISSION TEST SETUP



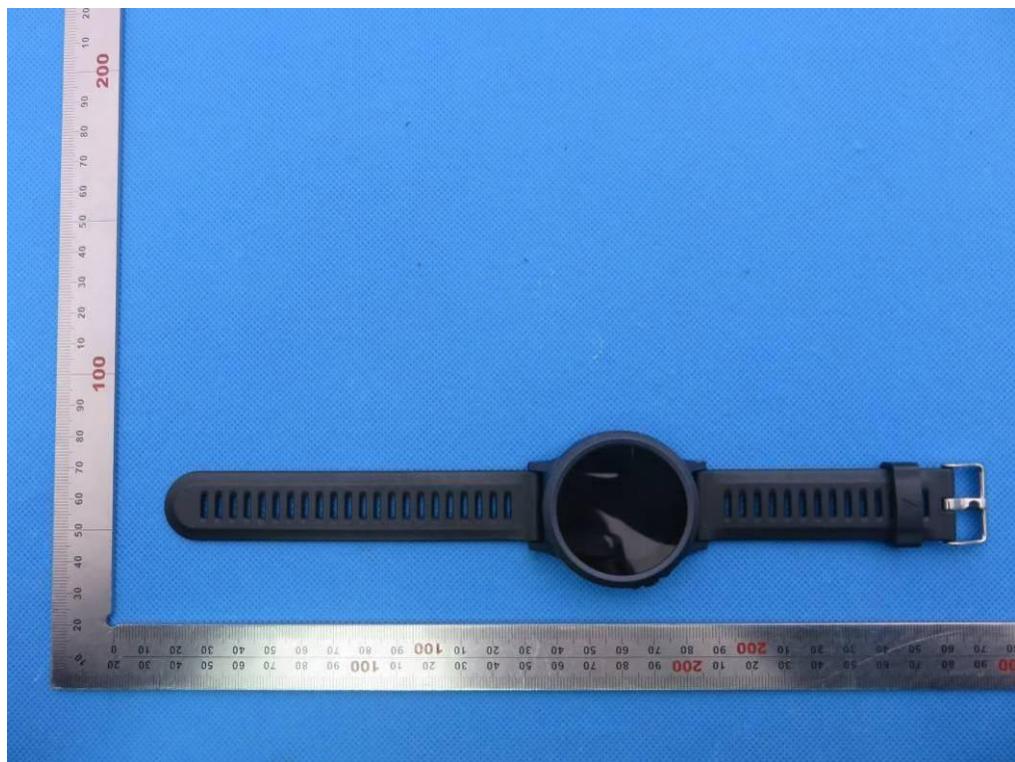




APPENDIX B: PHOTOGRAPHS OF EUT
ALL VIEW OF EUT



TOP VIEW OF EUT



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



LEFT VIEW OF EUT



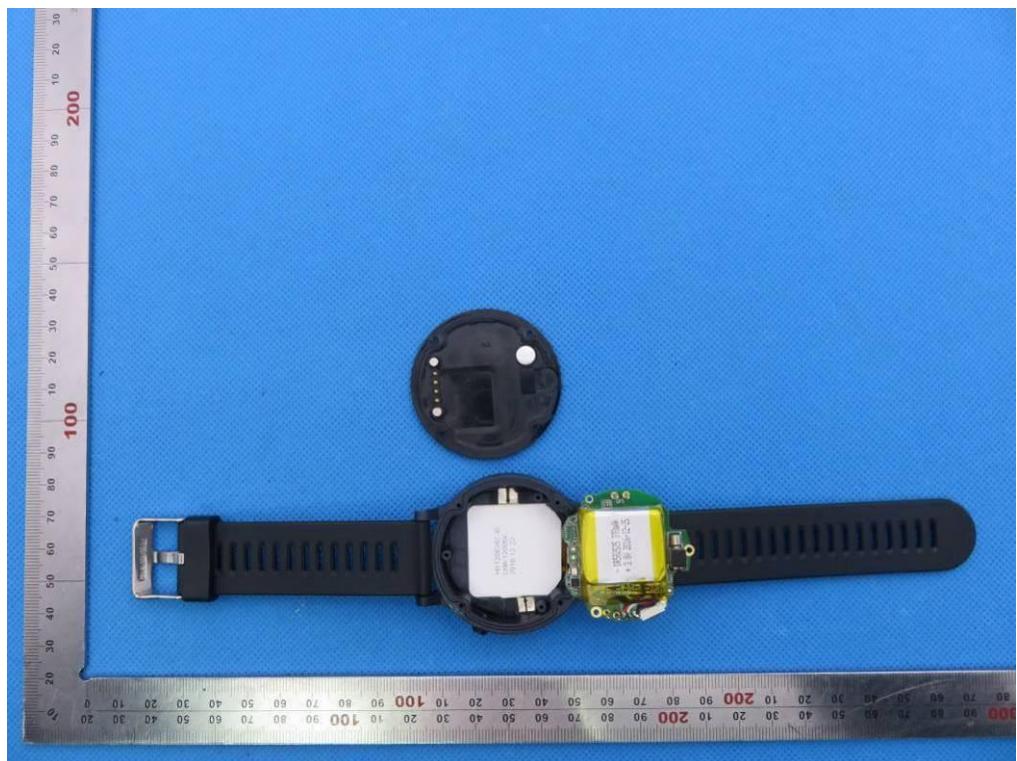
RIGHT VIEW OF EUT



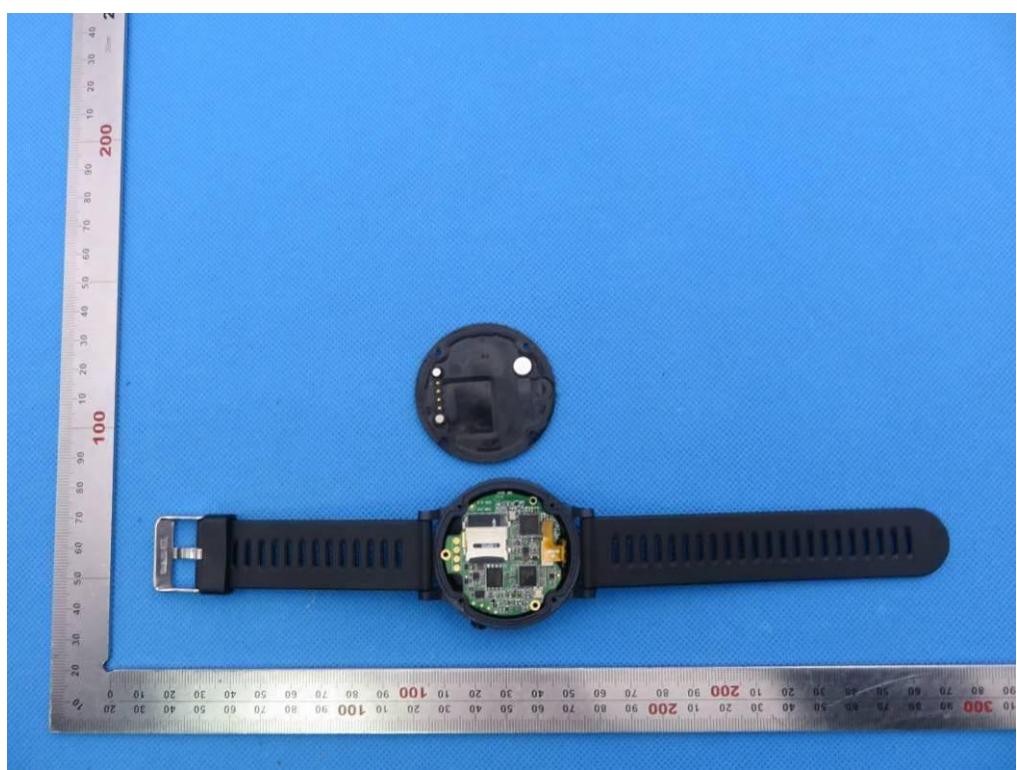
VIEW OF EUT (Port)



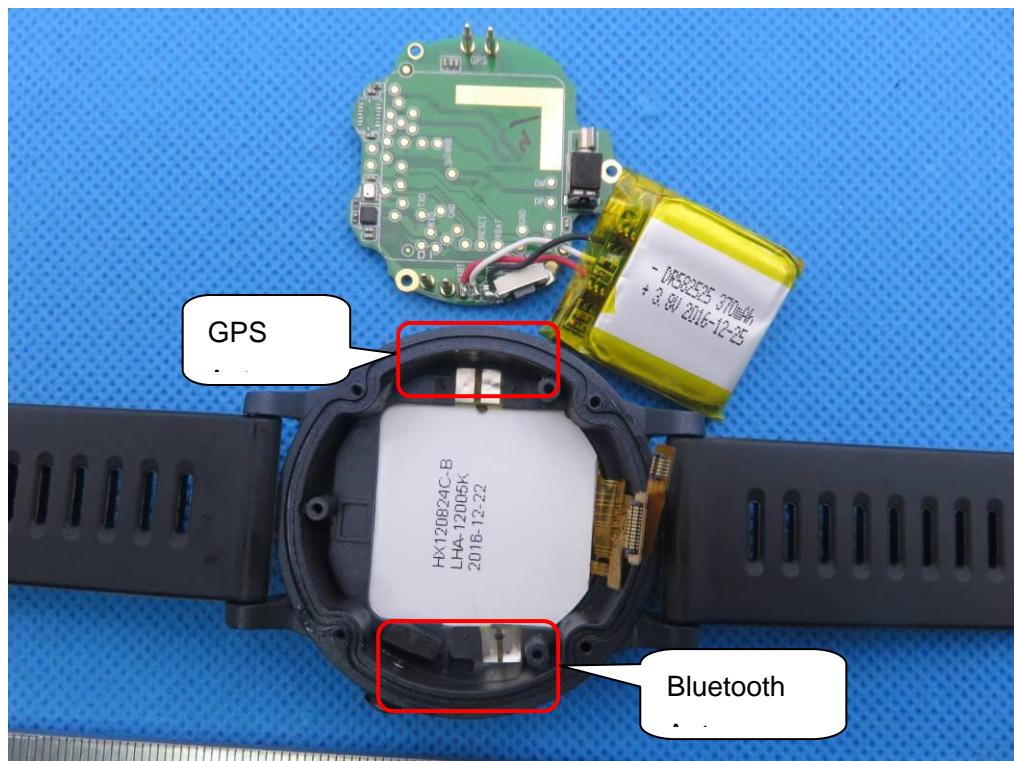
OPEN VIEW OF EUT-1



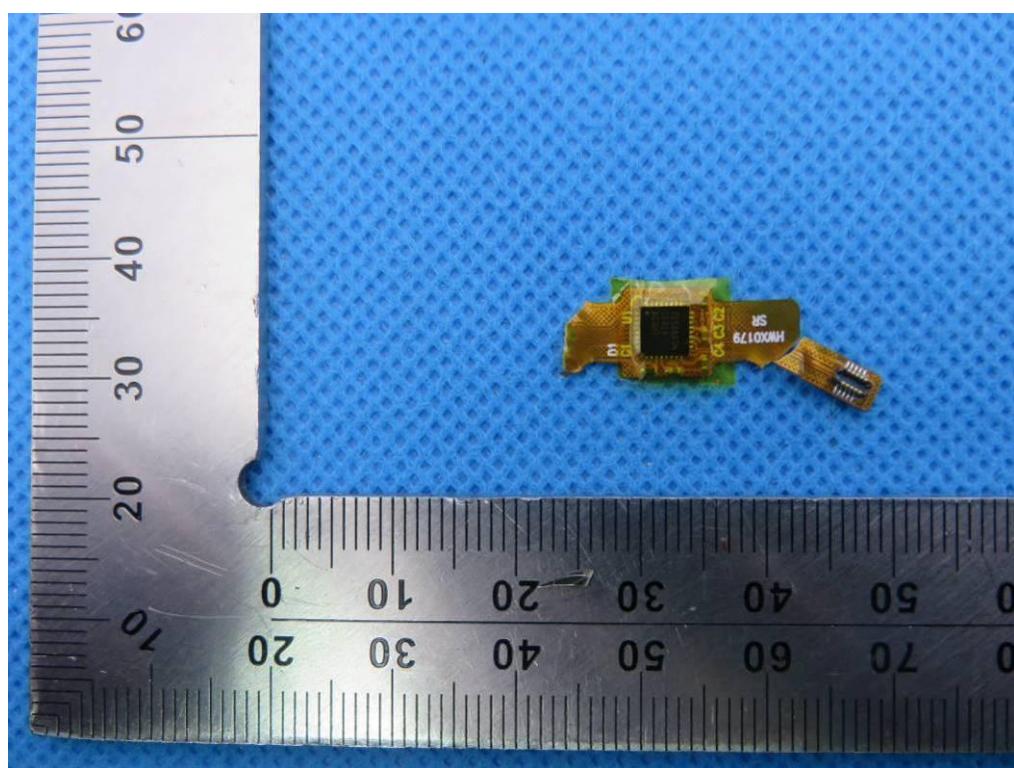
OPEN VIEW OF EUT-2



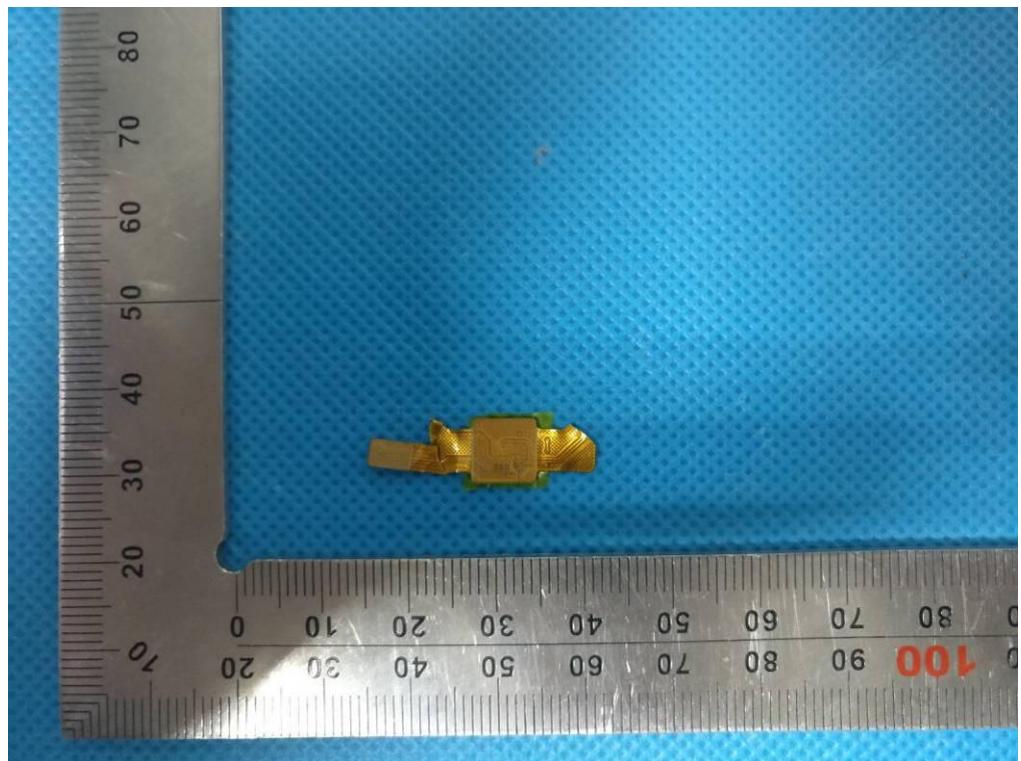
OPEN VIEW OF EUT-3



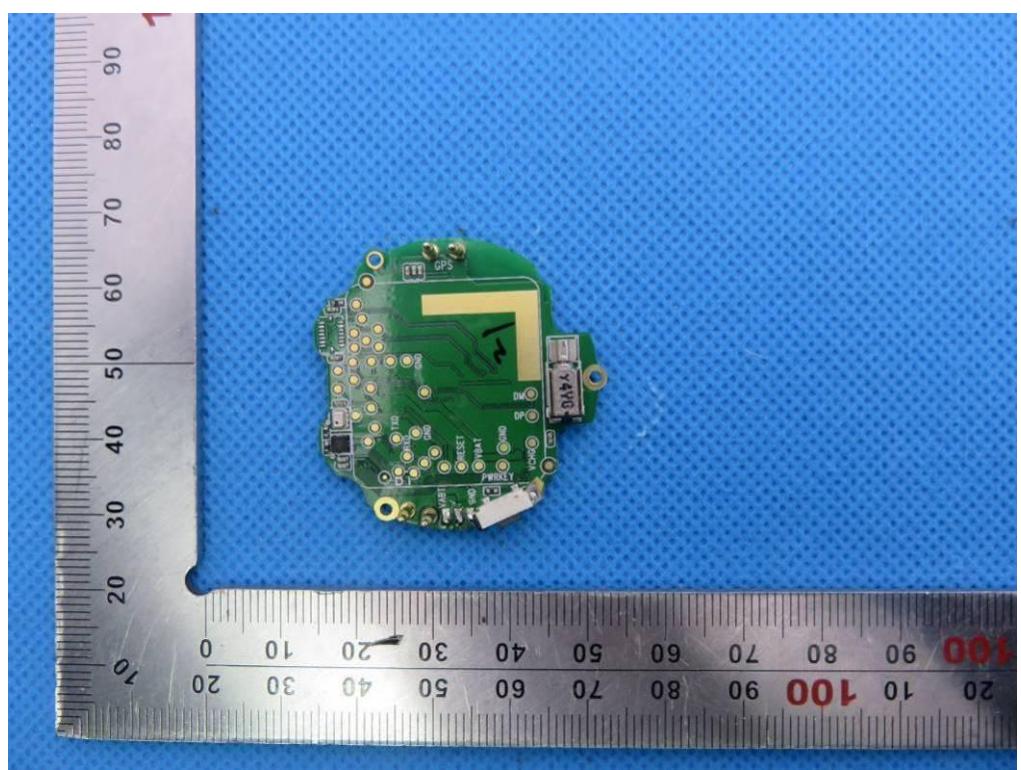
INTERNAL VIEW OF EUT-1



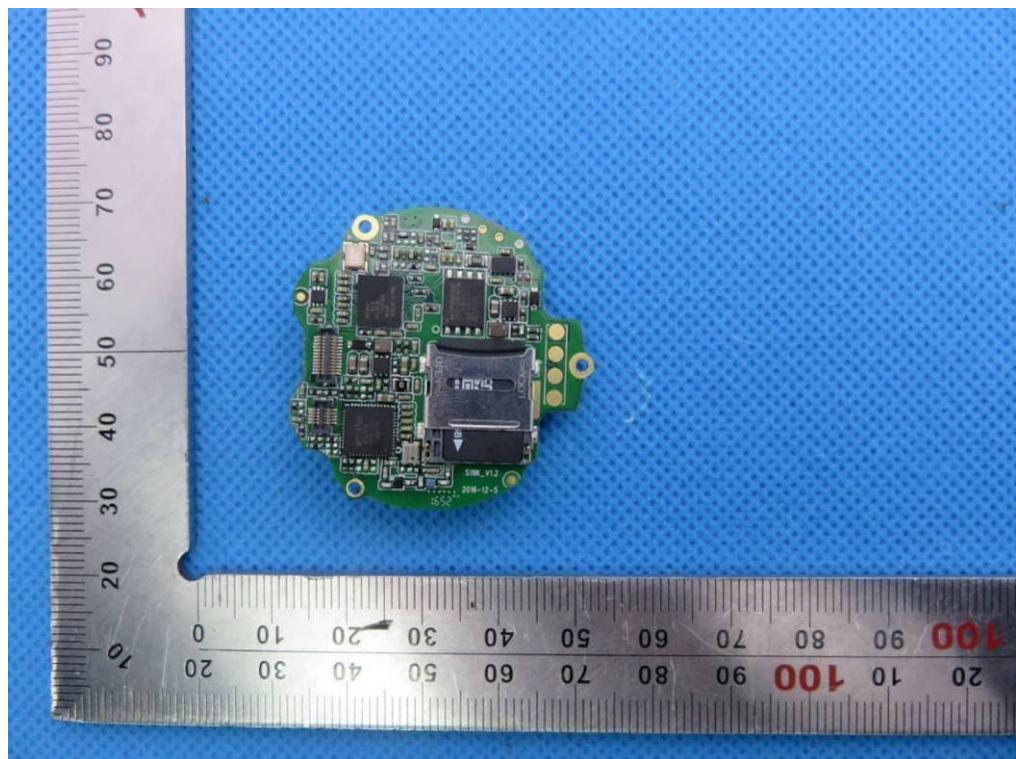
INTERNAL VIEW OF EUT-2



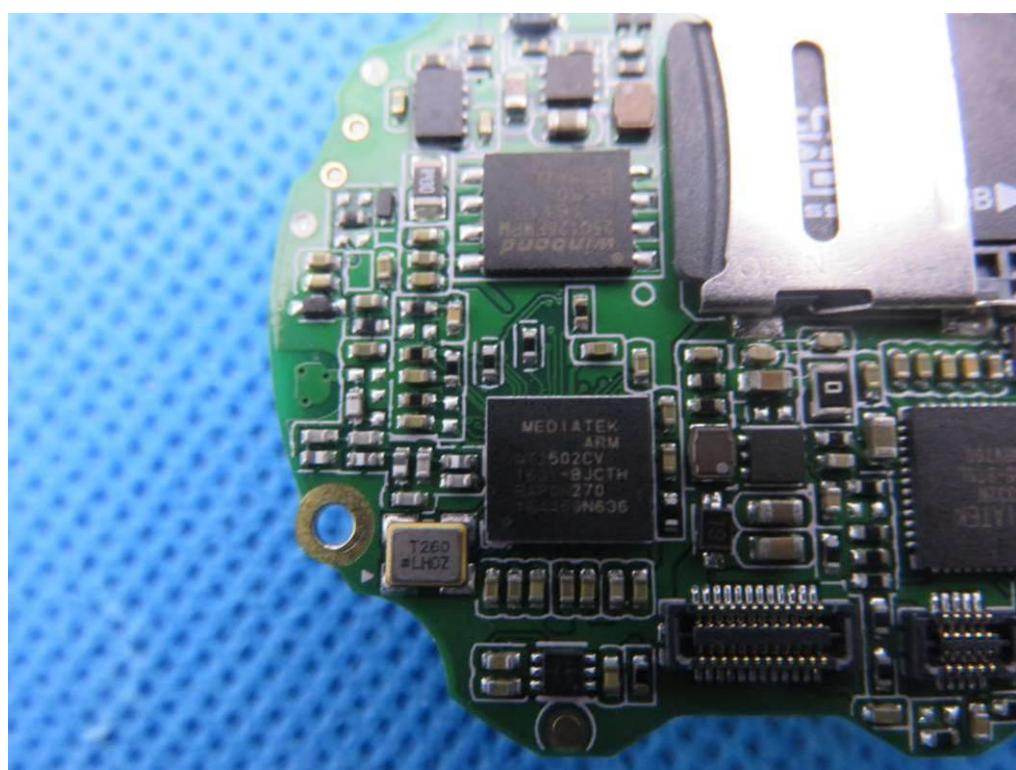
INTERNAL VIEW OF EUT-3



INTERNAL VIEW OF EUT-4



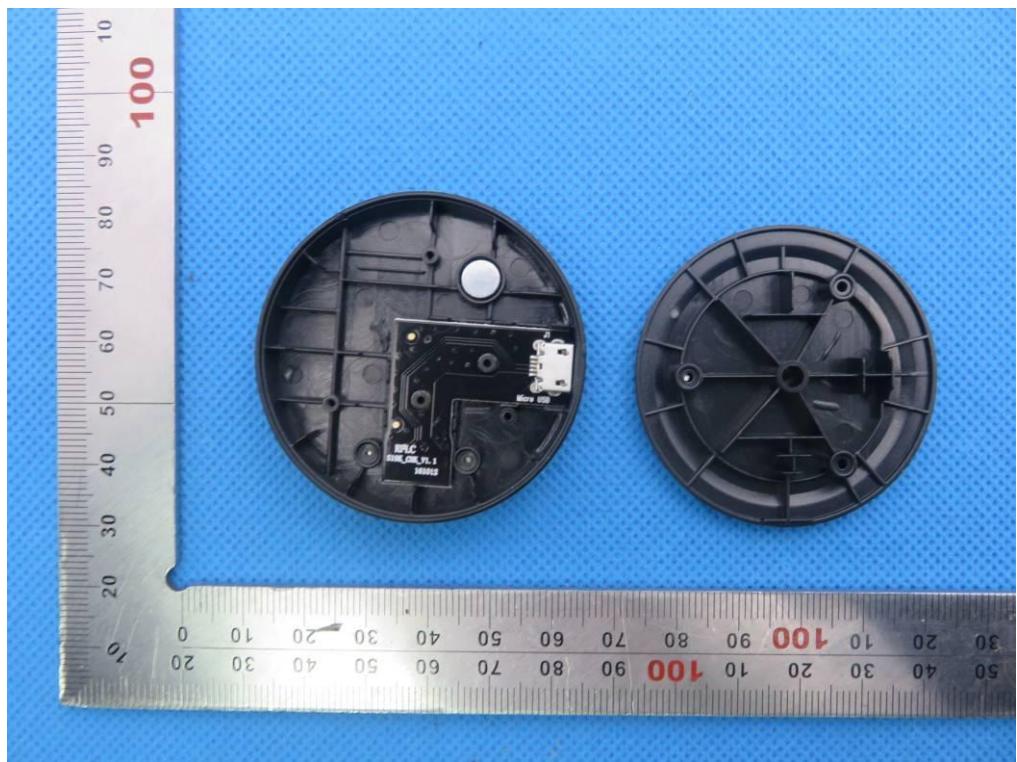
INTERNAL VIEW OF EUT-5



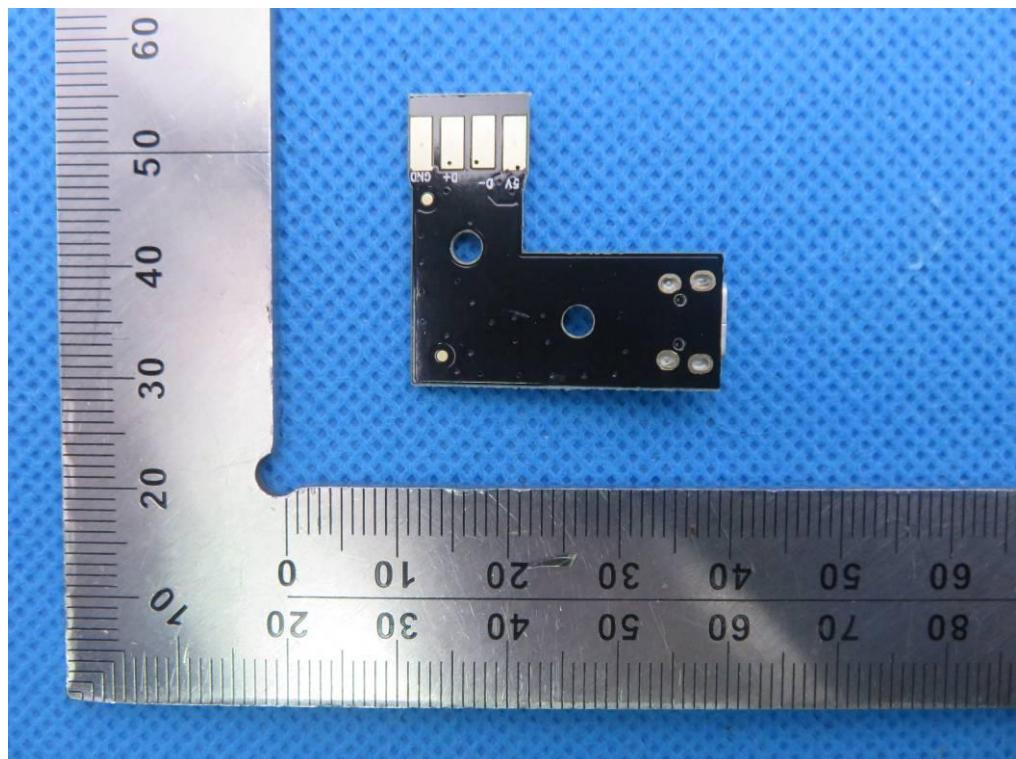
Charging Dock
VIEW OF EUT(Port)



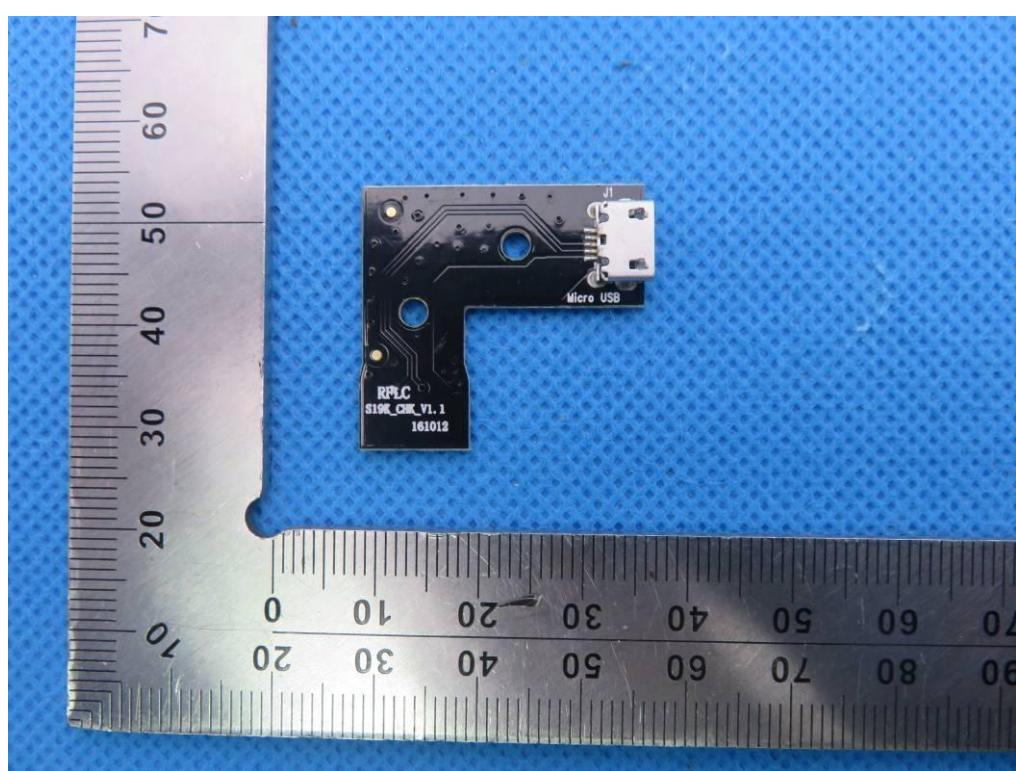
OPEN VIEW OF EUT



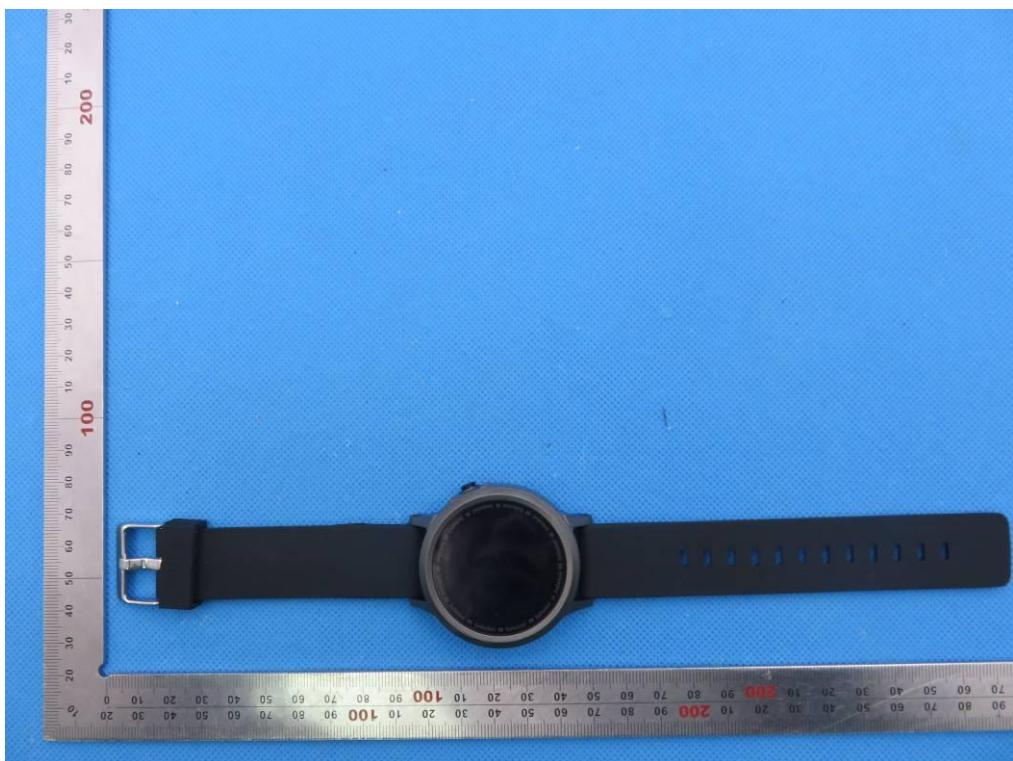
INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2



Series Model
TOP VIEW OF EUT



BOTTOM VIEW OF EUT



VIEW OF ADAPTER(AE)



The adapter was supplied by AGC

----END OF REPORT----