

Variant FCC Test Report

Report No.: RF180621C33C

FCC ID: UK7-DW9

Test Model: DW9M1

Received Date: Mar. 11, 2019

Test Date: May 10, 2019

Issued Date: May 20, 2019

Applicant: Fossil Group, Inc.

Address: 901 S. Central Expressway, Richardson, TX 75080, USA

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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FCC Registration / 788550 / TW0003

Designation Number: 427177 / TW0011



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Release Control Record

| Issue No. | Description | Date Issued |
|--------------|------------------|--------------|
| RF180621C33C | Original Release | May 20, 2019 |

1 Certificate of Conformity

Product: Smart Watch

Test Model: DW9M1

Sample Status: Identical Prototype

Applicant: Fossil Group, Inc.

Test Date: May 10, 2019

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.247)
ANSI C63.10:2013

This report is issued as a supplementary report to BV CPS report no.: RF181221C17-1. This report shall be used by combining with its original report.

Prepared by : Rona Chen, **Date:** May 20, 2019
Rona Chen / Specialist

Approved by : Dylan Chiou, **Date:** May 20, 2019
Dylan Chiou / Project Engineer

2 Summary of Test Results

<Bluetooth EDR>

| 47 CFR FCC Part 15, Subpart C (Section 15.247) | | | |
|--|---|--------|---|
| FCC Clause | Test Item | Result | Remarks |
| 15.207 | AC Power Conducted Emission | N/A | Refer to Note |
| 15.247(a)(1)(iii) | Number of Hopping Frequency Used | N/A | Refer to Note |
| 15.247(a)(1)(iii) | Dwell Time on Each Channel | N/A | Refer to Note |
| 15.247(a)(1) | 1. Hopping Channel Separation 2. Spectrum Bandwidth of a Frequency Hopping Sequence Spread Spectrum System | N/A | Refer to Note |
| 15.247(a)(1) | Maximum Peak Output Power | N/A | Refer to Note |
| --- | Occupied Bandwidth Measurement | N/A | Refer to Note |
| 15.205 & 209 | Radiated Emissions | Pass | Meet the requirement of limit. Minimum passing margin is -13.06 dB at 2494.24 MHz. |
| 15.247(d) | Band Edge Measurement | N/A | Refer to Note |
| 15.247(d) | Antenna Port Emission | N/A | Refer to Note |
| 15.203 | Antenna Requirement | N/A | Refer to Note |

Note:

1. Only Radiated Emissions was performed for this report. Refer to original report for other test data.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| Measurement | Frequency | Expanded Uncertainty (k=2) (±) |
|------------------------------------|--------------------|-----------------------------------|
| Conducted Emissions at mains ports | 150 kHz ~ 30 MHz | 2.44 dB |
| Radiated Emissions up to 1 GHz | 9 kHz ~ 30 MHz | 3.04 dB |
| | 30 MHz ~ 200 MHz | 2.0153 dB |
| | 200 MHz ~ 1000 MHz | 2.0224 dB |
| Radiated Emissions above 1 GHz | 1 GHz ~ 18 GHz | 1.0121 dB |
| | 18 GHz ~ 40 GHz | 1.1508 dB |

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

| | | |
|----------------------------|---|-----------------------------|
| Product | Smart Watch | |
| Test Model | DW9M1 | |
| Status of EUT | Identical Prototype | |
| Power Supply Rating | 5.0 Vdc (Host equipment or Adapter) 3.85 Vdc (Battery) | |
| Modulation Type | Bluetooth EDR | GFSK, $\pi/4$ -DQPSK, 8DPSK |
| Transfer Rate | Bluetooth EDR | 1/2/3 Mbps |
| Operating Frequency | Bluetooth EDR | 2402 ~ 2480 MHz |
| Number of Channel | Bluetooth EDR | 79 |
| Antenna Type | Loop antenna | |
| Antenna Connector | N/A | |
| Accessory Device | Refer to Note as below | |
| Data Cable Supplied | Refer to Note as below | |

Note:

1. This report is issued as a supplementary report to BV CPS report no.: RF181221C17-1. The difference compared with original report is adding model (DW9M1) and new antenna. Therefore, only Radiated Emissions was verified and recorded in this report.
2. The model is listed as below.

| Model | WLAN / BT Antenna Gain (dBi) | GPS Antenna Gain (dBi) |
|--------------|-------------------------------------|-------------------------------|
| DW9M1 | -6.71 | -4.17 |

3. Confirmed output power has been verified as original filing before starting the C2PC testing.
4. The EUT's accessories list refers to user manual.
5. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or User's Manual.

3.2 Description of Test Modes

<Bluetooth EDR>

79 channels are provided to this EUT:

| Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| 0 | 2402 | 20 | 2422 | 40 | 2442 | 60 | 2462 |
| 1 | 2403 | 21 | 2423 | 41 | 2443 | 61 | 2463 |
| 2 | 2404 | 22 | 2424 | 42 | 2444 | 62 | 2464 |
| 3 | 2405 | 23 | 2425 | 43 | 2445 | 63 | 2465 |
| 4 | 2406 | 24 | 2426 | 44 | 2446 | 64 | 2466 |
| 5 | 2407 | 25 | 2427 | 45 | 2447 | 65 | 2467 |
| 6 | 2408 | 26 | 2428 | 46 | 2448 | 66 | 2468 |
| 7 | 2409 | 27 | 2429 | 47 | 2449 | 67 | 2469 |
| 8 | 2410 | 28 | 2430 | 48 | 2450 | 68 | 2470 |
| 9 | 2411 | 29 | 2431 | 49 | 2451 | 69 | 2471 |
| 10 | 2412 | 30 | 2432 | 50 | 2452 | 70 | 2472 |
| 11 | 2413 | 31 | 2433 | 51 | 2453 | 71 | 2473 |
| 12 | 2414 | 32 | 2434 | 52 | 2454 | 72 | 2474 |
| 13 | 2415 | 33 | 2435 | 53 | 2455 | 73 | 2475 |
| 14 | 2416 | 34 | 2436 | 54 | 2456 | 74 | 2476 |
| 15 | 2417 | 35 | 2437 | 55 | 2457 | 75 | 2477 |
| 16 | 2418 | 36 | 2438 | 56 | 2458 | 76 | 2478 |
| 17 | 2419 | 37 | 2439 | 57 | 2459 | 77 | 2479 |
| 18 | 2420 | 38 | 2440 | 58 | 2460 | 78 | 2480 |
| 19 | 2421 | 39 | 2441 | 59 | 2461 | | |

3.2.1 Test Mode Applicability and Tested Channel Detail

<Bluetooth EDR>

| EUT Configure Mode | Applicable To | | | | Description |
|--------------------|---------------|-------|-----|------|-------------|
| | RE \geq 1G | RE<1G | PLC | APCM | |
| - | √ | √ | - | - | - |

Where **RE \geq 1G**: Radiated Emission above 1 GHz

RE<1G: Radiated Emission below 1 GHz

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

Note:

- The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane**.
- "-" means no effect.

Radiated Emission Test (Above 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Available Channel | Tested Channel | Modulation Technology | Modulation Type | Packet Type |
|--------------------|-------------------|----------------|-----------------------|-----------------|-------------|
| - | 0 to 78 | 78 | FHSS | 8DPSK | 3DH5 |

Radiated Emission Test (Below 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Available Channel | Tested Channel | Modulation Technology | Modulation Type | Packet Type |
|--------------------|-------------------|----------------|-----------------------|-----------------|-------------|
| - | 0 to 78 | 78 | FHSS | 8DPSK | 3DH5 |

Test Condition:

| Applicable To | Environmental Conditions | Input Power | Tested by |
|---------------|--------------------------|----------------|-------------|
| RE \geq 1G | 25 deg. C, 65 % RH | 120 Vac, 60 Hz | Harry Hsueh |
| RE<1G | 25 deg. C, 65 % RH | 120 Vac, 60 Hz | Harry Hsueh |

3.3 Description of Support Units

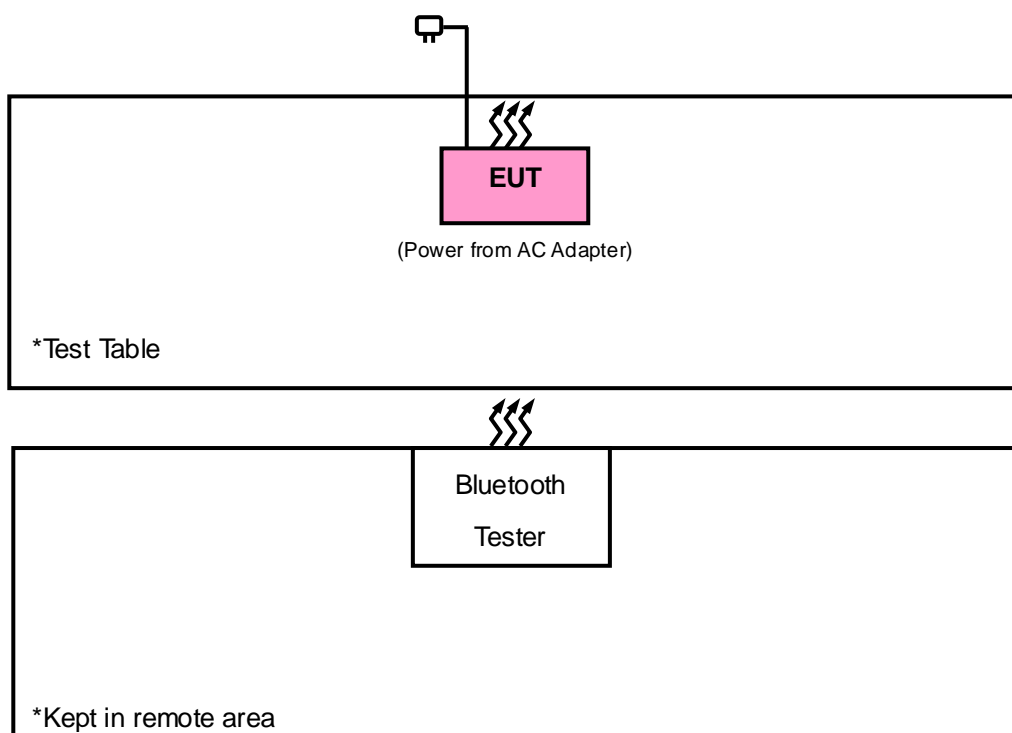
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| No. | Product | Brand | Model No. | Serial No. | FCC ID |
|-----|---------|---------|-----------|------------|--------|
| 1. | Adapter | SALCOMP | TC U250 | N/A | N/A |

| No. | Signal Cable Description Of The Above Support Units |
|-----|---|
| 1. | 1m shielded cable |

3.3.1 Configuration of System under Test

<Bluetooth EDR>



3.4 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C (15.247)

KDB 558074 D01 15.247 Meas Guidance v05r02

ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

4 Test Types and Results

<BLUETOOTH EDR>

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20 dB below the highest level of the desired power:

| Frequencies (MHz) | Field Strength (microvolts/meter) | Measurement Distance (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 |

Note:

- The lower limit shall apply at the transition frequencies.
- Emission level (dBuV/m) = 20 log Emission level (uV/m).
- For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

4.1.2 Test Instruments

For Below 1GHz & Above 1GHz

| Description & Manufacturer | Model No. | Serial No. | Date Of Calibration | Due Date Of Calibration |
|--|-----------------|---|---------------------|-------------------------|
| Test Receiver Agilent Technologies | N9038A | MY52260177 | Aug. 20, 2018 | Aug. 19, 2019 |
| Spectrum Analyzer R&S | FSU43 | 100115 | Jan. 21, 2019 | Jan. 20, 2020 |
| HORN Antenna ETS-Lindgren | 3117 | 00143293 | Nov. 25, 2018 | Nov. 24, 2019 |
| BILOG Antenna SCHWARZBECK | VULB 9168 | 9168-616 | Nov. 27, 2018 | Nov. 26, 2019 |
| HORN Antenna SCHWARZBECK | BBHA 9170 | 9170-480 | Nov. 25, 2018 | Nov. 24, 2019 |
| Fixed Attenuator Mini-Circuits | MDCS18N-10 | MDCS18N-10-01 | Apr. 15, 2019 | Apr. 14, 2020 |
| Bluetooth Tester | CBT | 100980 | Jun. 28, 2017 | Jun. 27, 2019 |
| Loop Antenna | EM-6879 | 269 | Sep. 07, 2018 | Sep. 06, 2019 |
| Preamplifier Agilent | 310N | 187226 | Jun. 19, 2018 | Jun. 18, 2019 |
| Preamplifier Agilent | 83017A | MY39501357 | Jun. 19, 2018 | Jun. 18, 2019 |
| Power Meter Anritsu | ML2495A | 1232002 | Dec. 17, 2018 | Dec. 16, 2019 |
| Power Sensor Anritsu | MA2411B | 1207325 | Dec. 17, 2018 | Dec. 16, 2019 |
| Preamplifier EMCI | EMC 184045 | 980116 | Oct. 12, 2018 | Oct. 11, 2019 |
| RF signal cable ETS-LINDGREN | 5D-FB | Cable-CH1-01(RFC -SMS-100-SMS-120 +RFC-SMS-100-SM S-400) | Jun. 19, 2018 | Jun. 18, 2019 |
| RF signal cable ETS-LINDGREN | 8D-FB | Cable-CH1-02(RFC -SMS-100-SMS-24) | Jun. 19, 2018 | Jun. 18, 2019 |
| Boresight Antenna Fixture | FBA-01 | FBA-SIP01 | NA | NA |
| Software BV ADT | E3 8.130425b | NA | NA | NA |
| Antenna Tower MF | NA | NA | NA | NA |
| Turn Table MF | NA | NA | NA | NA |
| Antenna Tower & Turn Table Controller MF | MF-7802 | NA | NA | NA |

- Note: 1. The calibration interval of the above test instruments is 12 / 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HsinTien Chamber 1.
3. The horn antenna and preamplifier (model: 83017A) are used only for the measurement of emission frequency above 1 GHz if tested.

For Below 30 MHz

| Description & Manufacturer | Model No. | Serial No. | Date of Calibration | Due Date of Calibration |
|--|----------------------------|-------------------------------|---------------------|-------------------------|
| Test Receiver Agilent | N9038A | MY51210203 | Mar. 18, 2019 | Mar. 17, 2020 |
| Spectrum Analyzer Agilent | N9010A | MY52220314 | Dec. 13, 2018 | Dec. 12, 2019 |
| Fixed Attenuator Mini-Circuits | MDCS18N-10 | MDCS18N-10-01 | Apr. 15, 2019 | Apr. 14, 2020 |
| Loop Antenna | HLA 6121 | 45745 | May 19, 2017 | May 18, 2018 |
| Preamplifier EMCI | EMC001340 | 980201 | Oct. 12, 2018 | Oct. 11, 2019 |
| RF signal cable HUBER+SUHNNER | EMC104-SM-SM-8 000&3000 | 140811+170717 | Oct. 12, 2018 | Oct. 11, 2019 |
| RF signal cable HUBER+SUHNNER | SUCOFLEX 104 | EMC104-SM-SM-1 000(140807) | Oct. 12, 2018 | Oct. 11, 2019 |
| RF Coaxial Cable WOKEN | 8D-FB | Cable-Ch10-01 | Oct. 12, 2018 | Oct. 11, 2019 |
| Software BV ADT | E3 6.120103 | NA | NA | NA |
| Antenna Tower MF | MFA-440H | NA | NA | NA |
| Turn Table MF | MFT-201SS | NA | NA | NA |
| Antenna Tower & Turn Table Controller MF | MF-7802 | NA | NA | NA |

- Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 10.

4.1.3 Test Procedures

For Radiated Emission below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Both Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.
2. There is comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

For Radiated Emission above 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

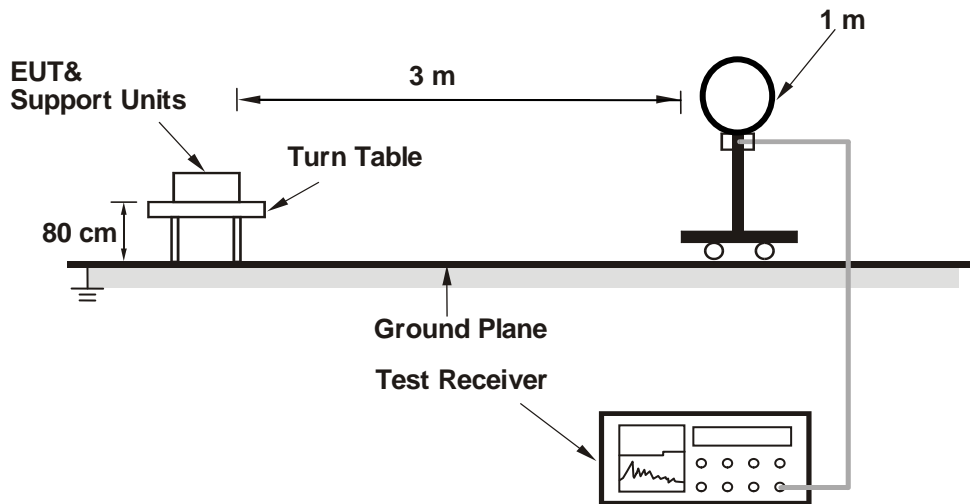
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98 %) or 10 Hz (Duty cycle ≥ 98 %) for Average detection (AV) at frequency above 1 GHz. (RBW = 1 MHz, VBW = 10 Hz)
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

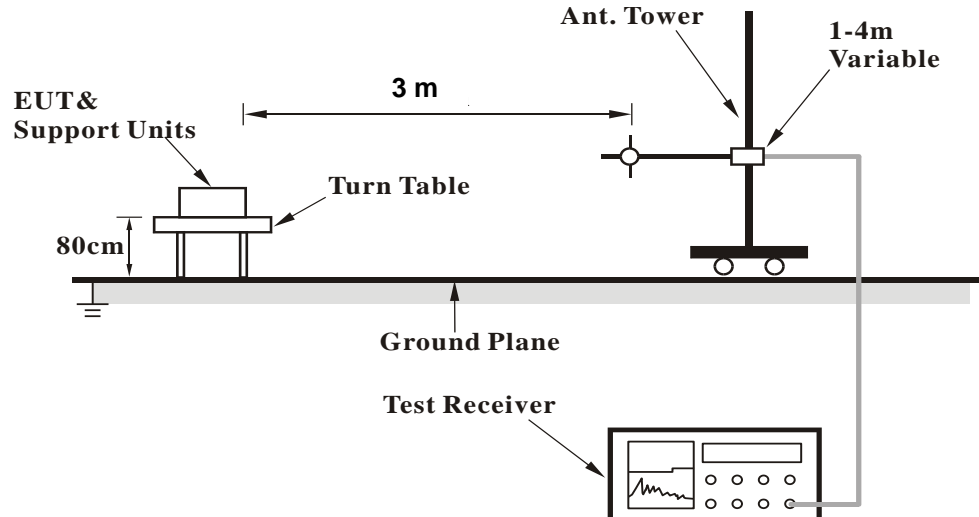
No deviation.

4.1.5 Test Set Up

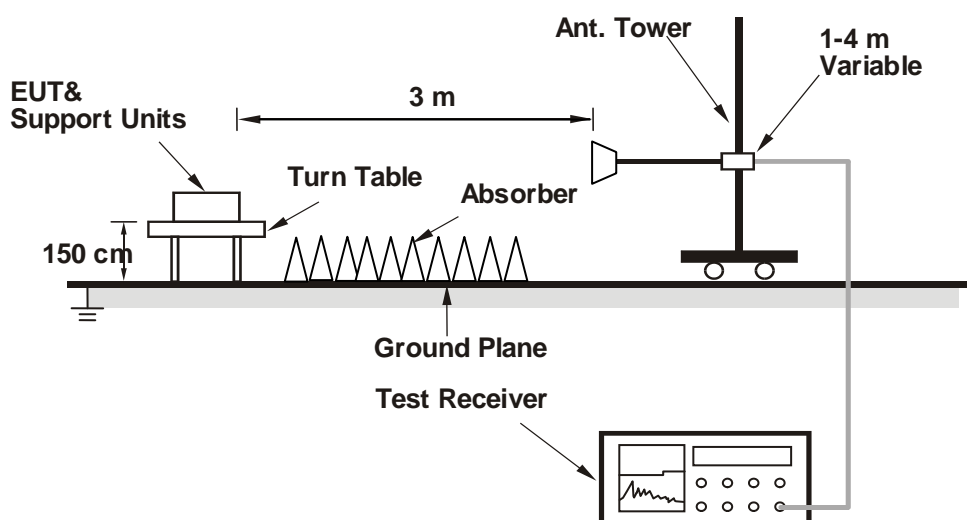
<Radiated Emission below 30 MHz>



<Radiated Emission 30 MHz to 1 GHz>



<Radiated Emission above 1 GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT Operating Conditions

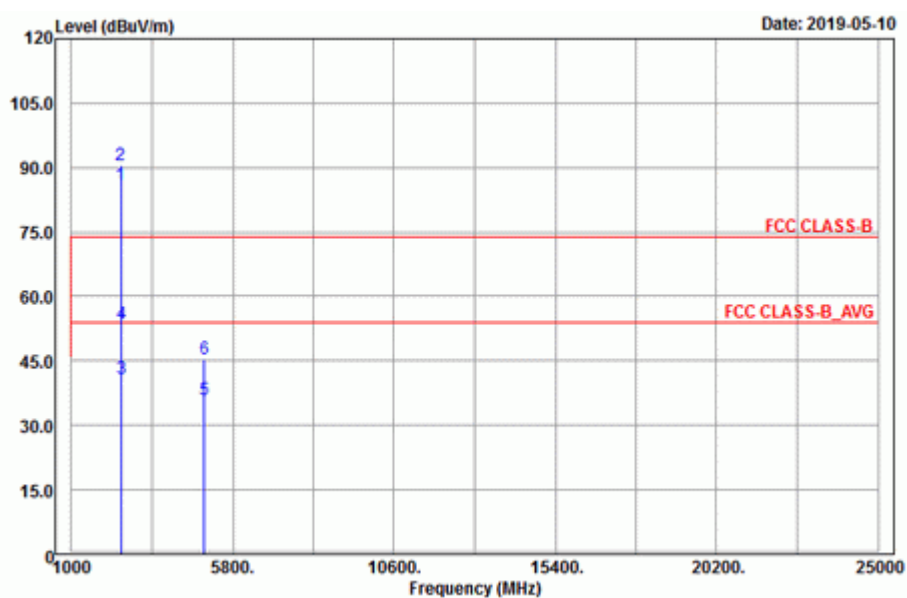
Set the EUT under transmission condition continuously at specific channel frequency.

4.1.7 Test Results

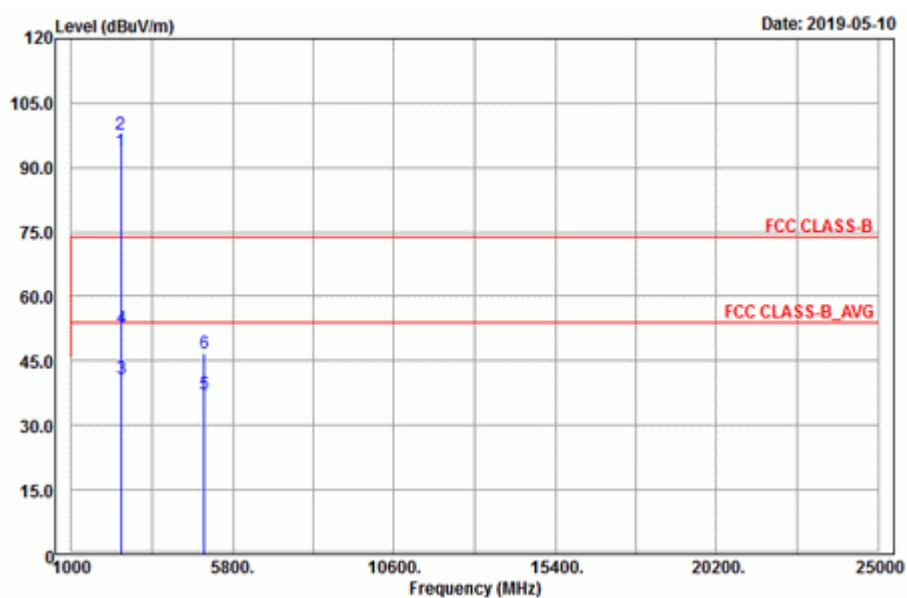
Above 1 GHz Data:
8DPSK

| EUT Test Condition | | Measurement Detail | |
|--------------------------|--------------------|--------------------|---------------------------|
| Channel | Channel 78 | Frequency Range | 1 GHz ~ 25 GHz |
| Input Power | 120 Vac, 60 Hz | Detector Function | Peak (PK) Average (AV) |
| Environmental Conditions | 25 deg. C, 65 % RH | Tested By | Harry Hsueh |

Horizontal



Vertical



| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | | |
|---|-------------------------|-------------------|---------------|----------------|---------------|---------------------|----------------------|----------------|
| Frequency (MHz) | Emission Level (dBuV/m) | Read Level (dBuV) | Factor (dB/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) | Remark |
| 2480 | 85.91 | 83.95 | 1.96 | | | 134 | 339 | Average |
| 2480 | 90.65 | 88.69 | 1.96 | | | 134 | 339 | Peak |
| 2494.24 | 40.94 | 38.92 | 2.02 | 54 | -13.06 | 134 | 339 | Average |
| 2494.24 | 53.76 | 51.74 | 2.02 | 74 | -20.24 | 134 | 339 | Peak |
| 4960 | 35.87 | 27.6 | 8.27 | 54 | -18.13 | 123 | 185 | Average |
| 4960 | 45.32 | 37.05 | 8.27 | 74 | -28.68 | 123 | 185 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | | |
| Frequency (MHz) | Emission Level (dBuV/m) | Read Level (dBuV) | Factor (dB/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) | Remark |
| 2480 | 93.91 | 91.95 | 1.96 | | | 174 | 5 | Average |
| 2480 | 97.89 | 95.93 | 1.96 | | | 174 | 5 | Peak |
| 2484.6 | 41.02 | 39.03 | 1.99 | 54 | -12.98 | 174 | 5 | Average |
| 2484.6 | 52.69 | 50.7 | 1.99 | 74 | -21.31 | 174 | 5 | Peak |
| 4960 | 37.36 | 29.09 | 8.27 | 54 | -16.64 | 134 | 118 | Average |
| 4960 | 46.9 | 38.63 | 8.27 | 74 | -27.1 | 134 | 118 | Peak |

Remarks:

1. Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
2. 2480 MHz: Fundamental frequency.
3. The emission levels of other frequencies were very low against the limit.

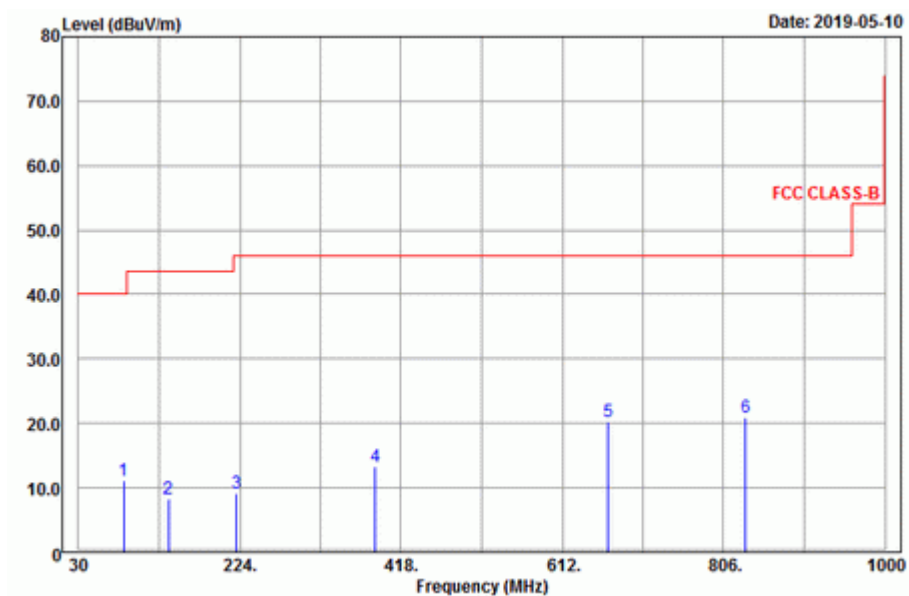
9 kHz ~ 30 MHz Data:

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

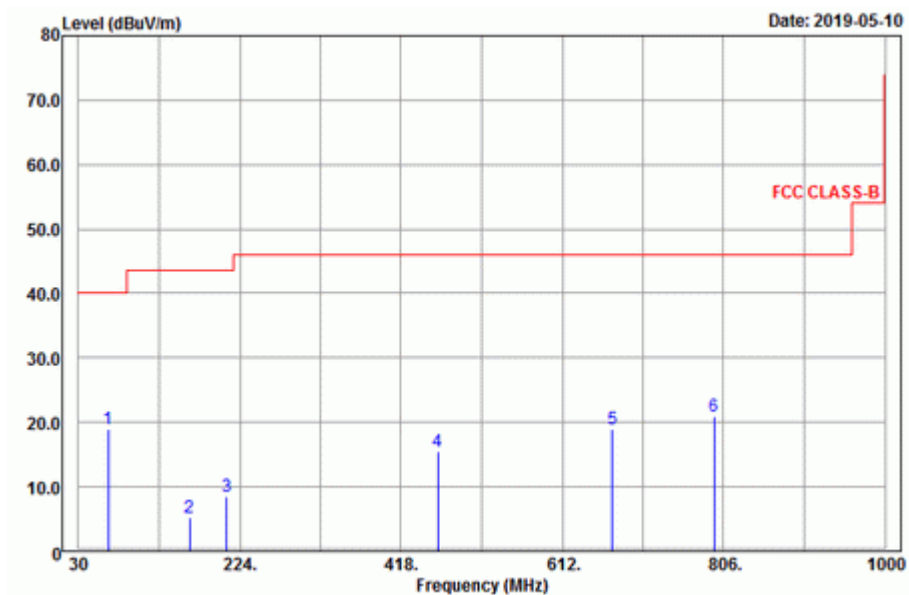
30 MHz ~ 1 GHz Worst-Case Data:

| EUT Test Condition | | Measurement Detail | |
|--------------------------|--------------------|--------------------|------------------------------|
| Channel | Channel 78 | Frequency Range | 30 MHz ~ 1 GHz |
| Input Power | 120 Vac, 60 Hz | Detector Function | Peak (PK) Quasi-peak (QP) |
| Environmental Conditions | 25 deg. C, 65 % RH | Tested By | Harry Hsueh |

Horizontal



Vertical



| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | | |
|---|-------------------------|-------------------|---------------|----------------|-------------|---------------------|----------------------|--------|
| Frequency (MHz) | Emission Level (dBuV/m) | Read Level (dBuV) | Factor (dB/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) | Remark |
| 84.27 | 11.21 | 33.11 | -21.9 | 40 | -28.79 | 154 | 188 | Peak |
| 138.54 | 8.25 | 30.66 | -22.41 | 43.5 | -35.25 | 149 | 136 | Peak |
| 220.35 | 9.08 | 28.31 | -19.23 | 46 | -36.92 | 105 | 198 | Peak |
| 386.8 | 13.19 | 28.3 | -15.11 | 46 | -32.81 | 152 | 53 | Peak |
| 667.5 | 20.23 | 30.58 | -10.35 | 46 | -25.77 | 145 | 296 | Peak |
| 832.7 | 20.93 | 28.62 | -7.69 | 46 | -25.07 | 179 | 254 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | | |
| Frequency (MHz) | Emission Level (dBuV/m) | Read Level (dBuV) | Factor (dB/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) | Remark |
| 66.18 | 18.87 | 38.49 | -19.62 | 40 | -21.13 | 156 | 205 | Peak |
| 163.65 | 5.17 | 27.02 | -21.85 | 43.5 | -38.33 | 178 | 149 | Peak |
| 208.47 | 8.49 | 27.95 | -19.46 | 43.5 | -35.01 | 130 | 26 | Peak |
| 462.4 | 15.46 | 29.27 | -13.81 | 46 | -30.54 | 184 | 125 | Peak |
| 672.4 | 18.87 | 29.14 | -10.27 | 46 | -27.13 | 128 | 139 | Peak |
| 794.2 | 20.92 | 29.45 | -8.53 | 46 | -25.08 | 140 | 225 | Peak |

Remarks:

- Emission Level = Read Level + Factor
Margin value = Emission level – Limit value
- The emission levels of other frequencies were very low against the limit.

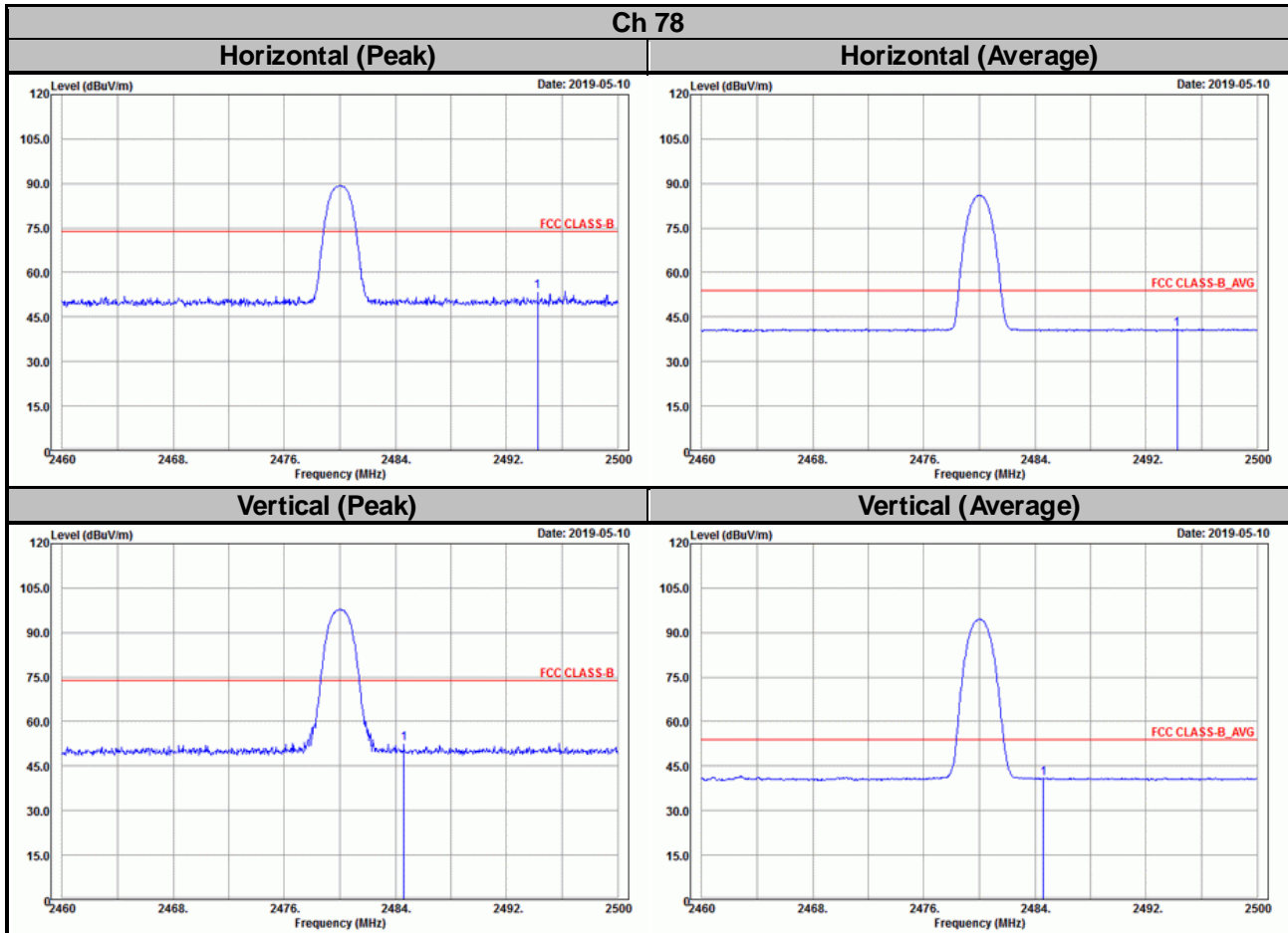
5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Annex A- Band-edge measurement

<Bluetooth EDR>

8DPSK



Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

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