

## **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

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

(R.O.C)

Test Location (1): No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City

33383, Taiwan, R.O.C.

Test Location (2): B2F., No.215, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231,

Taiwan, R.O.C

FCC Registration / 788550 / TW0003

**Designation Number:** 427177 / TW 0011





This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. Afailure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification. The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.

Report No.: RF180621C33C Page No. 1 / 23 Report Format Version: 6.1.1



## **Table of Contents**

R	elease Control Record	3
1	Certificate of Conformity	4
2	Summary of Test Results	5
	Measurement Uncertainty     Modification Record	
3	General Information	7
	3.1 General Description of EUT 3.2 Description of Test Modes 3.2.1 Test Mode Applicability and Tested Channel Detail 3.3 Description of Support Units 3.3.1 Configuration of System under Test 3.4 General Description of Applied Standards	8 9 10
4	Test Types and Results	11
	<bluetooth edr="">  4.1 Radiated Emission and Bandedge Measurement 4.1.1 Limits of Radiated Emission and Bandedge Measurement 4.1.2 Test Instruments 4.1.3 Test Procedures. 4.1.4 Deviation from Test Standard 4.1.5 Test Set Up 4.1.6 EUT Operating Conditions 4.1.7 Test Results</bluetooth>	11 12 14 15 15 16
5	Pictures of Test Arrangements	21
A	nnex A- Band-edge measurement	22
A	ppendix – Information of the Testing Laboratories	23



### **Release Control Record**

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

Report No.: RF180621C33C Page No. 3 / 23 Report Format Version: 6.1.1

Report No.: RF180621C33C Reference No.: 190311C22



### 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: , Date: May 20, 2019

Rona Chen / Specialist

Approved by: , Date: May 20, 2019

Dylan Chiou / Project Engineer

Report No.: RF180621C33C Page No. 4 / 23
Reference No.: 190311C22



## 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 Gooding Frequency Used 1		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		Refer to Note					
15.247(a)(1)	15.247(a)(1) Maximum Peak Output Power I		Refer to Note					
	Occupied Bandwidth Measurement		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)	15.247(d) Band Edge Measurement		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.

Report No.: RF180621C33C Page No. 5 / 23 Report Format Version: 6.1.1



#### 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	Expended Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150 kHz ~ 30 MHz	2.44 dB
	9 kHz ~ 30 MHz	3.04 dB
Radiated Emissions up to 1 GHz	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
Natiface Emissions above 1 GHz	18 GHz ~ 40 GHz	1.1508 dB

#### 2.2 **Modification Record**

There were no modifications required for compliance.

Report No.: RF180621C33C Page No. 6 / 23 Report Format Version: 6.1.1



#### 3 General Information

### 3.1 General Description of EUT

Product	Smart Watch		
Test Model	DW9M1		
Status of EUT	Identical Prototy	pe	
Power Supply Rating	,	uipment or Adapter)	
Madeletian Ton-	3.85 Vdc (Batter	,	
Modulation Type	Bluetooth EDR	GFSK, π/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.

Report No.: RF180621C33C Page No. 7 / 23 Report Format Version: 6.1.1



## 3.2 Description of Test Modes

## <Bluetooth EDR>

79 channels are provided to this EUT:

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		

Report No.: RF180621C33C Page No. 8 / 23 Report Format Version: 6.1.1

Report No.: RF180621C33C Reference No.: 190311C22



### 3.2.1 Test Mode Applicability and Tested Channel Detail

#### <Bluetooth EDR>

EUT Configure		Applica	able To		Description
Mode	RE≥1G	RE<1G	PLC	APCM	Description
-	$\checkmark$	V	-	-	-

Where RE≥1G: Radiated Emission above 1 GHz

RE<1G: Radiated Emission below 1 GHz

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

#### Note:

1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane**.

2. "-" 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≥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

Report No.: RF180621C33C Page No. 9 / 23 Report Format Version: 6.1.1



### 3.3 Description of Support Units

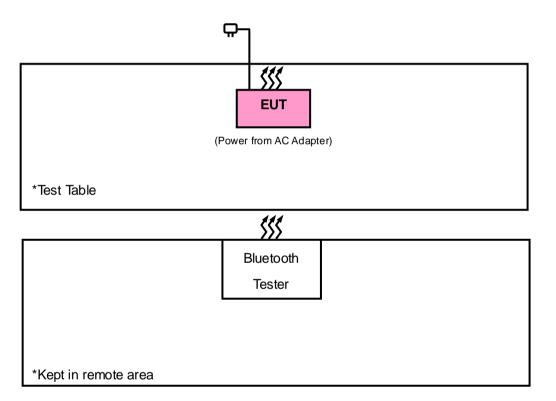
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

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.

Report No.: RF180621C33C Page No. 10 / 23 Report Format Version: 6.1.1



### 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:

- a. The lower limit shall apply at the transition frequencies.
- b. Emission level (dBuV/m) = 20 log Emission level (uV/m).
- c. 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.

Report No.: RF180621C33C Page No. 11 / 23 Report Format Version: 6.1.1



### 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.

Report No.: RF180621C33C Page No. 12 / 23 Report Format Version: 6.1.1



### 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.

Report No.: RF180621C33C Page No. 13 / 23 Reference No.: 190311C22



#### 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:

- 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 ≥ 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.

Report No.: RF180621C33C Page No. 14 / 23 Report Format Version: 6.1.1

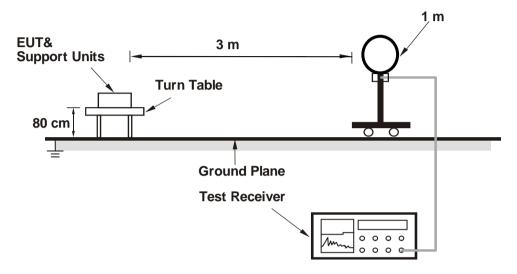


### 4.1.4 Deviation from Test Standard

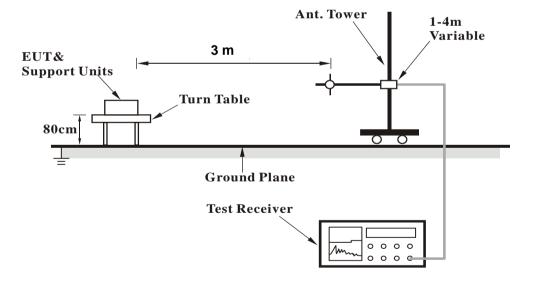
No deviation.

### 4.1.5 Test Set Up

### <Radiated Emission below 30 MHz>



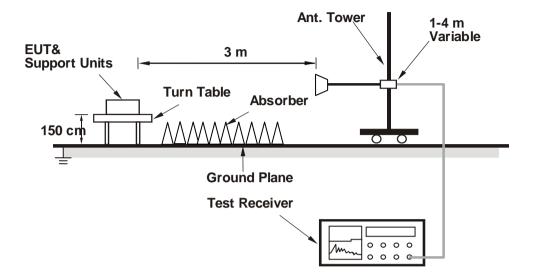
### <Radiated Emission 30 MHz to 1 GHz>



Report No.: RF180621C33C Reference No.: 190311C22



### <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.

Report No.: RF180621C33C Reference No.: 190311C22



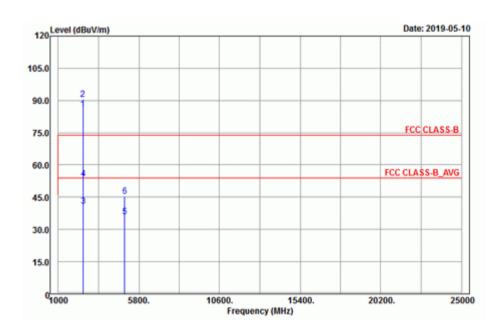
### 4.1.7 Test Results

### **Above 1 GHz Data:**

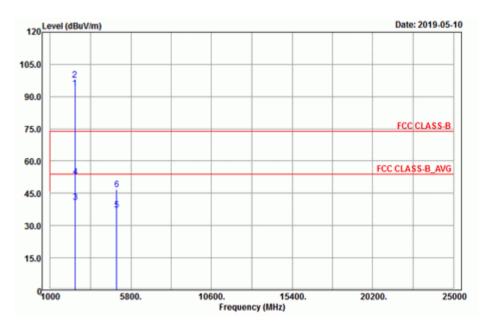
### 8DPSK

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

### Horizontal



### **Vertical**



Report No.: RF180621C33C Reference No.: 190311C22 Page No. 17 / 23

Report Format Version: 6.1.1



		Antenna	Polarity &	Test Distan	ce: Horizont	tal 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
		Antenn	a Polarity 8	Test Dista	nce: Vertica	l 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
					1			

#### Remarks:

- 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.

Report No.: RF180621C33C Page No. 18 / 23 Report Format Version: 6.1.1



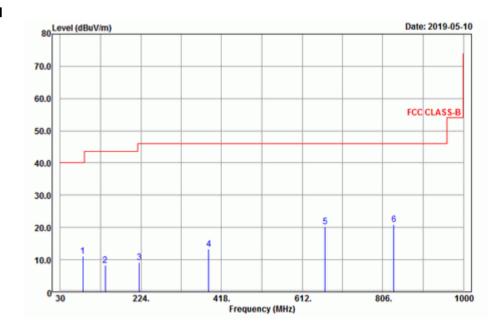
### 9 kHz ~ 30 MHz Data:

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

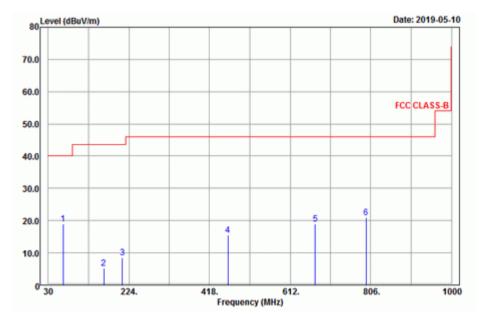
### 30 MHz ~ 1 GHz Worst-Case Data:

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

#### Horizontal



### **Vertical**



Report No.: RF180621C33C Page No. 19 / 23 Report Format Version: 6.1.1



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
		Antenn	a Polarity &	Test Dista	nce: Vertica	l at 3 m		
I '   Level                     Margin (dB)					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
- 2. The emission levels of other frequencies were very low against the limit.

Report No.: RF180621C33C Page No. 20 / 23 Report Format Version: 6.1.1



5 Pictures of Test Arrangements	
Please refer to the attached file (Test Setup Photo).	

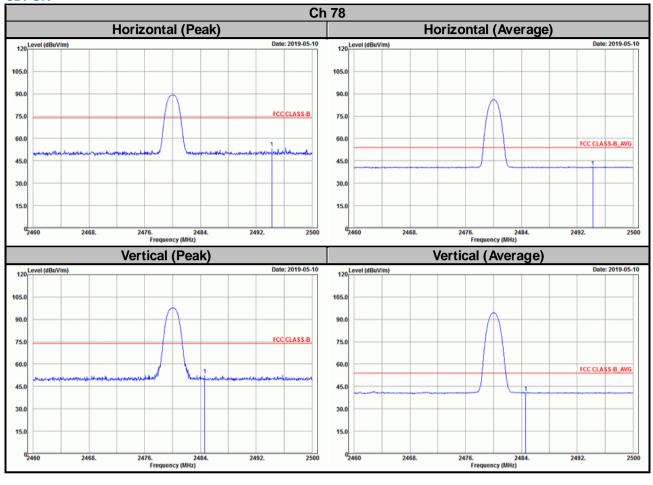
Report No.: RF180621C33C Page No. 21 / 23 Reference No.: 190311C22



### Annex A- Band-edge measurement

#### <Bluetooth EDR>

### 8DPSK



Report No.: RF180621C33C Page No. 22 / 23 Report Format Version: 6.1.1



### 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:

Lin Kou EMC/RF Lab

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-2-26052180 Fax: 886-2-26051924 Tel: 886-3-6668565 Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232 Fax: 886-3-3270892

Email: <a href="mailto:service.adt@tw.bureauveritas.com">service.adt@tw.bureauveritas.com</a>
Web Site: <a href="mailto:www.bureauveritas-adt.com">www.bureauveritas-adt.com</a>

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

--- END ---

Report No.: RF180621C33C Page No. 23 / 23 Report Format Version: 6.1.1