

# **Variant FCC Test Report**

Report No.: RFBHJP-WTW-P21010398D

FCC ID: UK7-DW13

Test Model: DW13F1, DW13F2, DW13M1, DW13S1, DW13F3, DW13D2, DW13M2

(refer to section 3.1 for more details)

Received Date: May 26, 2022

Test Date: Jun. 10 ~ Jun. 11, 2022

**Issued Date:** Jul. 01, 2022

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

Lin Kou Laboratories

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

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

33383, Taiwan

FCC Registration /

788550 / TW0003

**Designation Number:** 





This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <a href="http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/">http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/</a> and is intended 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. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure 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.

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Reference No.: BHJP-WTW-P21080191, BHJP-WTW-P22050854



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# **Release Control Record**

Issue No.	Description	Date Issued
RFBHJP-WTW-P21010398D	Original Release	Jul. 01, 2022

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#### **Certificate of Conformity** 1

**Product:** Smart Watch

Test Model: DW13F1, DW13F2, DW13M1, DW13S1, DW13F3, DW13D2, DW13M2 (refer to

section 3.1 for more details)

Sample Status: Identical Prototype

Applicant: Fossil Group, Inc.

Test Date: Jun. 10 ~ Jun. 11, 2022

**Standards:** 47 CFR FCC Part 15, Subpart C (Section 15.247)

ANSI C63.10:2013

The above equipment has been tested by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by :	Lena Wang	, Date:	Jul. 01, 2022	
	Lena Wang / Specialist			
Approved by :	Jeremy Lin	, Date:	Jul. 01, 2022	

Jeremy Lin / Project Engineer

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#### 2 **Summary of Test Results**

	47 CFR FCC Part 15, Subpart C (Section 15.247)							
FCC Clause Test Item			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)	<ol> <li>Hopping Channel Separation</li> <li>Spectrum Bandwidth of a Frequency Hopping Sequence Spread Spectrum System</li> </ol>	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 -7.2 dB at 2390.00 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 test was performed for this addendum. Refer to original report for other test data.
- 2. If the Frequency Hopping System operating in 2400-2483.5 MHz band and the output power less than 125 mW. The hopping channel carrier frequencies separated by a minimum of 25 kHz or two-thirds of the 20 dB bandwidth of hopping channel whichever is greater.
- 3. For 2.4G band compliance with rule 15.247(d) of the band-edge items, the test plots were recorded in Annex A. Test Procedures refer to report 4.1.3.
- 4. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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# 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	2.79 dB
	9 kHz ~ 30 MHz	3.04 dB
Radiated Emissions up to 1 GHz	30 MHz ~ 200 MHz	2.93 dB
	200 MHz ~ 1000 MHz	2.95 dB
Radiated Emissions above 1 GHz	1 GHz ~ 18 GHz	2.26 dB
Naulateu Emissions above 1 GHZ	18 GHz ~ 40 GHz	1.94 dB

## 2.2 Modification Record

There were no modifications required for compliance.

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#### **General Information** 3

#### 3.1 **General Description of EUT**

Product	Smart Watch
Test Model	DW13F1, DW13F2, DW13M1, DW13S1, DW13F3, DW13D2, DW13M2
Status of EUT	Identical Prototype
Power Supply Rating	5.0 Vdc (adapter or host equipment) 3.88 Vdc (Li-ion battery)
Modulation Type	GFSK, π/4-DQPSK, 8DPSK
Transfer Rate	1/2/3 Mbps
Operating Frequency	2402 ~ 2480 MHz
Number of Channel	79
Antenna Type	Refer to Note as below
Antenna Connector	N/A
Accessory Device	Refer to Note as below
Data Cable Supplied	Refer to Note as below

### Note:

- 1. This report is prepared for FCC class II permissive change. This report is issued as a supplementary report to BV CPS report no.: RFBHJP-WTW-P21010398B R1. The details of differences compared with original report, please refer to note 2. Therefore, only Radiated Emissions test is verified on the worst case of original report and recorded in this report.
- 2. All models are listed as below. Only model: DW13D2 as a representative for final test.

Model	Antenna Type	Antenna Gain (dBi)	Difference
Wodel	Antenna Type	2.4G / BT	Difference
DW13F1	PIFA	-5.25	
DW13F2	PIFA	-6.82	
DW13M1	PIFA	-5.37	All models are electrically identical, different
DW13S1	PIFA	-6.42	antenna gain due to enclosure, and different model
DW13F3	PIFA	-6.11	names are for marketing purpose.
DW13D2	PIFA	-5.36	
DW13M2	PIFA	-5.57	

3. The EUT contains following accessory devices.

Product	Brand	Model	Description
Charging Dock	Simula	CB407D-6040-202	Voltage Rating: 5V
Battery	Lishen	DAGP382427SA	3.88 Vdc, 300 mAh

- 4. The above Antenna information refers to the manufacturer's antenna specifications, the laboratory shall not be held responsible.
- 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.

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#### 3.2 **Description of Test Modes**

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		

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#### 3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure	Applio	cable To	Description
Mode	RE≥1G	RE<1G	
-	$\checkmark$	$\sqrt{}$	-

Where

**RE≥1G:** Radiated Emission above 1 GHz

RE<1G: Radiated Emission below 1 GHz

### 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	0	FHSS	GFSK	DH5

# 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).

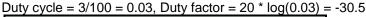
Following channel(s) was (were) selected for the final test as listed below.

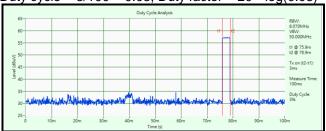
EUT Configure Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Packet Type
-	0 to 78	0	FHSS	GFSK	DH5

# **Test Condition:**

Applicable To	Environmental Conditions	Input Power	Tested by
RE≥1G	22 deg. C, 69 % RH	120 Vac, 60 Hz	Thomas Cheng
RE<1G	22 deg. C, 69 % RH	120 Vac, 60 Hz	Thomas Cheng

#### 3.3 **Duty Cycle of Test Signal**





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#### 3.4 **Description of Support Units**

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

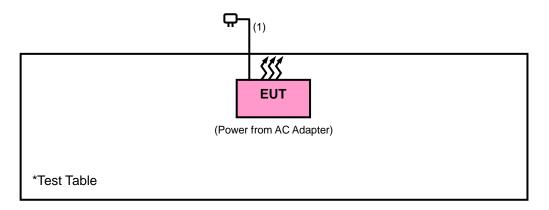
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
Α	Adapter	ASUS	AD827M	NA	NA	
В	Bluetooth Tester	R&S	CBT	100980	NA	

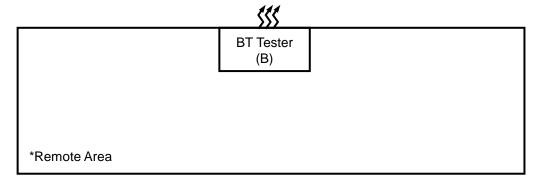
### Note:

- 1. All power cords of the above support units are non-shielded (1.8m).
- 2. Item B acted as a communication partner to transfer data.

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	Charging Cable	1	0.85	N	0	Provided by client

#### Configuration of System under Test 3.4.1





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#### 3.5 **General Description of Applied Standards and References**

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

## **Test Standard:**

**FCC Part 15, Subpart C (15.247)** 

ANSI C63.10-2013

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

# **References Test Guidance:**

## KDB 558074 D01 15.247 Meas Guidance v05r02

All test items have been performed as a reference to the above KDB test guidance.

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#### 4 **Test Types and Results**

#### 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.

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#### 4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver Agilent	N9038A	MY51210203	Sep. 22, 2021	Sep. 21, 2022
Spectrum Analyzer Agilent	N9010A	MY52220207	Jan. 06, 2022	Jan. 05, 2023
Spectrum Analyzer ROHDE & SCHWARZ	FSV40	100980	Apr. 20, 2022	Apr. 19, 2023
HORN Antenna SCHWARZBECK	BBHA 9170	9170-480	Nov. 14, 2021	Nov. 13, 2022
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-969	Nov. 14, 2021	Nov. 13, 2022
BILOG Antenna SCHWARZBECK	VULB 9168	9168-472	Oct. 28, 2021	Oct. 27, 2022
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	Apr. 05, 2022	Apr. 04, 2023
Loop Antenna	EM-6879	269	Sep. 16, 2021	Sep. 17, 2022
Preamplifier EMCI	EMC001340	980201	Sep. 15, 2021	Sep. 14, 2022
Preamplifier EMCI	EMC 012645	980115	Oct. 05, 2021	Oct. 04, 2022
Preamplifier EMCI	EMC 330H	980112	Oct. 05, 2021	Oct. 04, 2022
RF Coaxial Cable EMCI	EMC104-SM-SM- 8000	171005	Oct. 05, 2021	Oct. 04, 2022
RF Coaxial Cable HUBER+SUHNNER	SUCOFLEX 104	EMC104-SM-SM- 1000(140807)	Oct. 05, 2021	Oct. 04, 2022
RF Coaxial Cable WOKEN	8D-FB	Cable-Ch10-01	Oct. 05, 2021	Oct. 04, 2022
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Software BV ADT	ADT_Radiated_V7. 6.15.9.5	NA	NA	NA
Software BV ADT	ADT_Radiated_V7. 7.1.1.1	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
Bluetooth Tester ROHDE & SCHWARZ	СВТ	100980	Jul. 27, 2021	Jul. 26, 2023

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 HwaYa Chamber 10.

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### 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. 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.

### 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) 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) and Average detection (AV) at frequency above 1 GHz.
- 3. For Fundamental frequency and band edge & harmonic:

  The average value of fundamental frequency is :average value = peak value + 20\*log(Duty cycle) where the duty cycle correction factor is calculated from following formula:

  20\*Log(Duty cycle) = 20\*log (3ms/100) = -30.5 dB, please refer to the plotted duty (see section 3.3)
- 4. All modes of operation were investigated and the worst-case emissions are reported.

## 4.1.4 Deviation from Test Standard

No deviation.

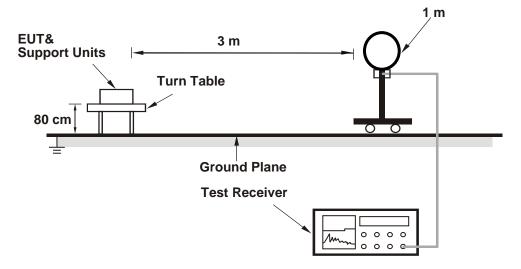
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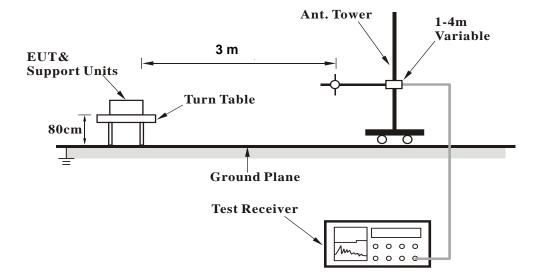


# 4.1.5 Test Set Up

# <Radiated Emission below 30 MHz>



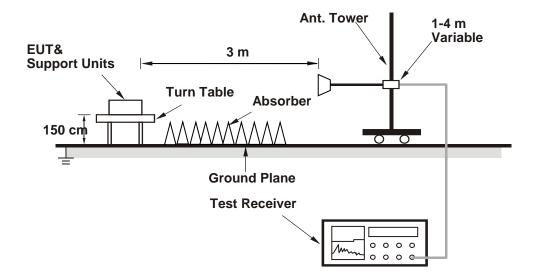
## <Radiated Emission 30 MHz to 1 GHz>



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# <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.

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### 4.1.7 Test Results

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

## **GFSK**

RF Mode	TX BT_GFSK	Channel	CH 0: 2402 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

	Antenna Polarity & Test Distance : Horizontal at 3 m										
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)			
1	2390.00	55.3 PK	74.0	-18.7	2.32 H	227	24.1	31.2			
2	2390.00	46.8 AV	54.0	-7.2	2.32 H	227	15.6	31.2			
3	*2402.00	95.4 PK			2.32 H	227	64.3	31.1			
4	*2402.00	64.9 AV			2.32 H	227	33.8	31.1			
5	4804.00	44.1 PK	74.0	-29.9	2.65 H	120	60.1	-16.0			
6	4804.00	13.6 AV	54.0	-40.4	2.65 H	120	29.6	-16.0			
		Ante	enna Polarit	v & Test Di	stance · Ver	tical at 3 m					

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	55.2 PK	74.0	-18.8	1.32 V	186	24.0	31.2
2	2390.00	46.7 AV	54.0	-7.3	1.32 V	186	15.5	31.2
3	*2402.00	92.5 PK			1.32 V	186	61.4	31.1
4	*2402.00	62.0 AV			1.32 V	186	30.9	31.1
5	4804.00	43.6 PK	74.0	-30.4	1.45 V	84	59.6	-16.0
6	4804.00	13.1 AV	54.0	-40.9	1.45 V	84	29.1	-16.0

## Remarks:

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. Margin value = Emission Level Limit value
- 4. The other emission levels were very low against the limit.
- 5. " \* ": Fundamental frequency.
- 6. for Fundamental frequency and bandedge & harmonic:

The average value of fundamental frequency is :average = peak value + 20log(Duty cycle) where the duty factor is calculated from following formula:

20Log(Duty cycle) = 20 log (3ms/100) = -30.5dB please refer to the plotted duty (see section 3.3)

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### 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:

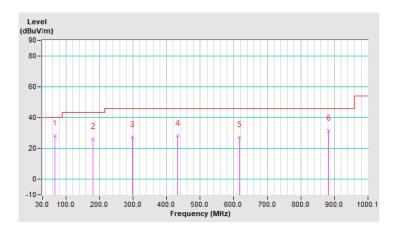
### **GFSK**

RF Mode	TX BT_GFSK	Channel	CH 0: 2402 MHz
Frequency Range	30MHz ~ 1GHz	<b>Detector Function</b>	Quasi-Peak (QP)

	Antenna Polarity & Test Distance : Horizontal at 3 m										
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)			
1	66.86	28.1 QP	40.0	-11.9	2.69 H	277	42.3	-14.2			
2	181.34	26.1 QP	43.5	-17.4	2.85 H	57	40.6	-14.5			
3	298.72	27.1 QP	46.0	-18.9	1.66 H	34	39.3	-12.2			
4	433.56	28.2 QP	46.0	-17.8	1.27 H	360	36.0	-7.8			
5	616.91	27.3 QP	46.0	-18.7	3.05 H	37	30.3	-3.0			
6	882.72	31.7 QP	46.0	-14.3	1.50 H	115	30.2	1.5			

## Remarks:

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. Margin value = Emission Level Limit value
- 4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
- 5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



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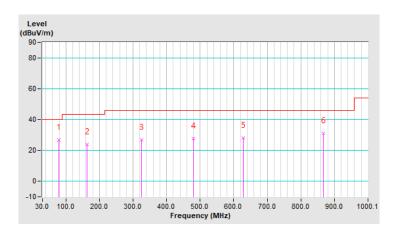


RF Mode	TX BT_GFSK	Channel	CH 0: 2402 MHz
Frequency Range	30MHz ~ 1GHz	<b>Detector Function</b>	Quasi-Peak (QP)

	Antenna Polarity & Test Distance : Vertical at 3 m										
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)			
1	79.48	27.0 QP	40.0	-13.0	1.89 V	348	44.5	-17.5			
2	163.87	24.0 QP	43.5	-19.5	1.90 V	78	36.8	-12.8			
3	324.91	26.8 QP	46.0	-19.2	1.57 V	180	37.9	-11.1			
4	480.13	27.7 QP	46.0	-18.3	2.34 V	34	34.5	-6.8			
5	627.58	28.0 QP	46.0	-18.0	1.83 V	126	30.8	-2.8			
6	867.20	31.2 QP	46.0	-14.8	3.40 V	228	30.0	1.2			

## Remarks:

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. Margin value = Emission Level Limit value
- 4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
- 5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



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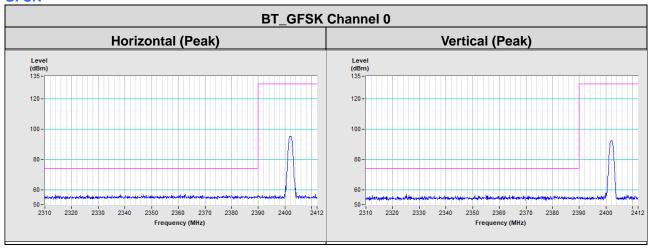
5 Pictures of Test Arrangements	
Please refer to the attached file (Test Setup Photo).	

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# **Annex A- Band Edge Measurement**

# **GFSK**



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# 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.

Hsin Chu EMC/RF/Telecom Lab

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

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

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