

RADIO TEST REPORT FCC ID: 2ANDX-CW10C

Product:	Smart Wristband			
Trade Mark:	Yolanda, runcobo			
Model No.:	CW10C			
Family Model:	CW10A, CW10B, CW10D, CW10E, CW10F, CW20A, CW20B, CW20C, CW20D, CW20E, CW20F, CW30A, CW30B, CW30C, CW30D, CW30E, CW30F			
Report No.:	S18121101007001			
Issue Date:	03 Jan. 2019			

Prepared for

Shenzhen Yolanda Technology Co., Ltd. Room 201-202, No.49-1, 28 Area, Dabao Road, Xinan Street, Baoan, Shenzhen, P.R.China

Prepared by

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1 TEST RESULT CERTIFICATION

Applicant's name:	Shenzhen Yolanda Technology Co., Ltd.
Address:	Room 201-202, No.49-1, 28 Area, Dabao Road, Xinan Street, Baoan, Shenzhen, P.R.China
Manufacturer's Name:	Shenzhen Yolanda Technology Co., Ltd.
Address:	Room 201-202, No.49-1, 28 Area, Dabao Road, Xinan Street, Baoan, Shenzhen, P.R.China
Product description	
Product name:	Smart Wristband
Model and/or type reference:	CW10C
Family Model:	CW10A, CW10B, CW10D, CW10E, CW10F, CW20A, CW20B, CW20C, CW20D, CW20E, CW20F, CW30A, CW30B, CW30C, CW30D, CW30E, CW30F

Measurement Procedure Used:

APPLICABLE STANDARDS

APPLICABLE STANDARD/ TEST PROCEDURETEST RESULTFCC 47 CFR Part 2, Subpart JFCC 47 CFR Part 15, Subpart CKDB 174176 D01 Line Conducted FAQ v01r01CompliedANSI C63.10-2013KDB 558074 D01 15.247 Meas Guidance v05

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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The test results of this report relate only to the tested sample identified in this report.

Date of Test	: 24 Dec. 2018 ~ 02 Jan. 2019	
Testing Engineer	Eileen Wu.	
	(Eileen Liu)	
Technical Manager	Jason chen	
-	(Jason Chen)	
	Sam. chan	
Authorized Signatory		
	(Sam Chen)	



FCC Part15 (15.247), Subpart C				
Standard Section	Test Item	Verdict	Remark	
15.207	Conducted Emission	PASS		
15.247 (a)(2)	6dB Bandwidth	PASS		
15.247 (b)	Peak Output Power	PASS		
15.209 (a) 15.205 (a)	Radiated Spurious Emission	PASS		
15.247 (e)	Power Spectral Density	PASS		
15.247 (d)	Band Edge Emission	PASS		
15.247 (d)	Spurious RF Conducted Emission	PASS		
15.203	Antenna Requirement	PASS		

Remark:

 "N/A" denotes test is not applicable in this Test Report.
 All test items were verified and recorded according to the standards and without any deviation during the test.



3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description CNAS-Lab.	: The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2006 (identical to ISO/IEC 17025:2005) The Certificate Registration Number is L5516.
IC-Registration	The Certificate Registration Number is 9270A-1.
FCC- Accredited	Test Firm Registration Number: 463705. Designation Number: CN1184
A2LA-Lab.	The Certificate Registration Number is 4298.01 This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).
Name of Firm Site Location	 Shenzhen NTEK Testing Technology Co., Ltd. 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

3.3 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	±2.80dB	
2	RF power, conducted	±0.16dB	
3	Spurious emissions, conducted	±0.21dB	
4	All emissions, radiated(30MHz~1GHz)	±2.64dB	
5	All emissions, radiated(1GHz~6GHz)	±2.40dB	
6	All emissions, radiated(>6GHz)	±2.52dB	
7	Temperature	±0.5°C	
8	Humidity	±2%	



4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification			
Equipment	Smart Wristband		
Trade Mark	Yolanda, runcobo		
FCC ID	2ANDX-CW10C		
Model No.	CW10C		
Family Model	CW10A, CW10B, CW10D, CW10E, CW10F, CW20A, CW20B, CW20C, CW20D, CW20E, CW20F, CW30A, CW30B, CW30C, CW30D, CW30E, CW30F		
Model Difference	All the model are the same circuit and RF module, except the appearance and colour.		
Operating Frequency	2402MHz~2480MHz		
Modulation	GFSK		
Number of Channels	40 Channels		
Bluetooth Version	BT V5.0		
Antenna Type	PCB Antenna		
Antenna Gain	1 dBi		
	DC supply: DC 3.7V/100mAh from battery or DC 5V from USB Port.		
Power supply	Adapter supply:		
HW Version	V1.1		
SW Version	V12		

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Note: Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.



Revision History

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Revision History			
Report No.	Version	Description	Issued Date
S18121101007001	Rev.01	Initial issue of report	Jan 03, 2019



5 DESCRIPTION OF TEST MODES

NTEK 11:10

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (1Mbps for GFSK modulation) were used for all test.

The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

Carrier Frequency and Channel list:

Channel	Frequency(MHz)
0	2402
1	2404
19	2440
20	2442
38	2478
39	2480

Note: fc=2402MHz+k×2MHz k=0 to 39

The following summary table is showing all test modes to demonstrate in compliance with the standard.

Test Cases		
Test Item	Data Rate/ Modulation	
Test tielli	Bluetooth 5.0_LE / GFSK	
AC Conducted Emission	Mode 1: normal link mode	
	Mode 1: normal link mode	
Radiated Test	Mode 2: Bluetooth Tx Ch00_2402MHz_1Mbps	
Cases	Mode 3: Bluetooth Tx Ch19_2440MHz_1Mbps	
	Mode 4: Bluetooth Tx Ch39_2480MHz_1Mbps	
Conducted Test	Mode 2: Bluetooth Tx Ch00_2402MHz_1Mbps	
Conducted Test	Mode 3: Bluetooth Tx Ch19_2440MHz_1Mbps	
Cases	Mode 4: Bluetooth Tx Ch39_2480MHz_1Mbps	

Note:

1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.

2. AC power line Conducted Emission was tested under maximum output power.

3. For radiated test cases, the worst mode data rate 1Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

4. EUT is set to continuous transmission mode. duty cycle greater than 98%.

5. EUT built-in battery-powered, the battery is fully-charged.

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6 SETUP OF EQUIPMENT		
6.1 BLOCK DIAGRAM CONFIGU		
For AC Conducted Emission Mode		
EUT	AC PLUG	
	Adapter	
For Radiated Test Cases		
EUT		
For Conducted Test Cases		
C-1		
MeasurementEL	JT	
Note:The temporary antenna con tests and this temporary antenna	nector is soldered on the PC connector is listed in the equi	B board in order to perform conducted pment list.



6.2 SUPPORT EQUIPMENT

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

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
AE-1	Adapter	SIMP	KSAPK0110500200D5	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	RF Cable	YES	NO	0.1m

Notes:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in [Length] column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".





6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

aulatic	on& Conducted I	est equipment					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2018.05.19	2019.05.18	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2018.10.08	2019.10.07	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2018.10.08	2019.10.07	1 year
4	Test Receiver	R&S	ESPI7	101318	2018.05.19	2019.05.18	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2018.04.08	2019.04.07	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2018.05.19	2020.05.18	2 year
7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2018.04.08	2019.04.07	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2018.11.03	2019.11.02	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2018.08.05	2019.08.04	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2018.11.03	2019.11.02	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2018.08.05	2019.08.04	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2017.04.21	2020.04.20	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2017.04.21	2020.04.20	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2017.04.21	2020.04.20	3 year
15	High Test Cable(1G-40G Hz)	N/A	R-04	N/A	2017.04.21	2020.04.20	3 year
16	Filter	TRILTHIC	2400MHz	29	2017.04.19	2020.04.18	3 year
17	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

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Note:

We will use the temporary antenna connector (soldered on the PCB board) When conducted test And this temporary antenna connector is listed within the instrument list



AC Co	AC Conduction Test equipment							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period	
1	Test Receiver	R&S	ESCI	101160	2018.05.19	2019.05.18	1 year	
2	LISN	R&S	ENV216	101313	2018.10.08	2019.10.07	1 year	
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2018.05.19	2019.05.18	1 year	
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2018.05.19	2020.05.18	2 year	
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2017.04.21	2020.04.20	3 year	
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2017.04.21	2020.04.20	3 year	
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2017.04.21	2020.04.20	3 year	

Note: Each piece of equipment is scheduled for calibration once a year except the Aux Equipment & Test Cable which is scheduled for calibration every 2 or 3 years.



7 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a) and KDB 174176 D01 Line Conducted FAQ v01r01

7.1.2 Conformance Limit

Frequency(MHz)	Conducted Emission Limit			
	Quasi-peak	Average		
0.15-0.5	66-56*	56-46*		
0.5-5.0	56	46		
5.0-30.0	60	50		

Note: 1. *Decreases with the logarithm of the frequency

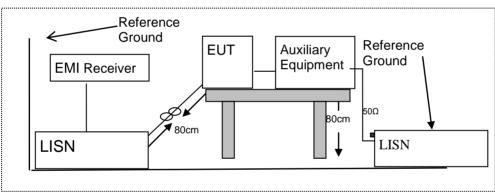
2. The lower limit shall apply at the transition frequencies

3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

7.1.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.1.4 Test Configuration



7.1.5 Test Procedure

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
- 2. The EUT was placed on a table which is 0.8m above ground plane.
- 3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
- 5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 6. LISN at least 80 cm from nearest part of EUT chassis.
- 7. The frequency range from 150KHz to 30MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
- 9. For the actual test configuration, please refer to the related Item -EUT Test Photos.



7.1.6 Test Results

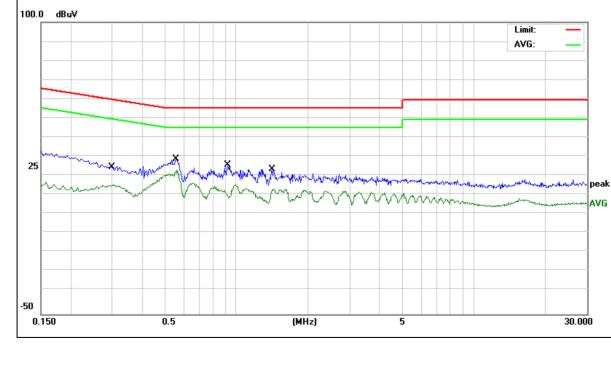
EUT:	Smart Wristband	Model Name :	CW10C
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.3019	16.33	9.74	26.07	60.19	-34.12	QP
0.3019	6.68	9.74	16.42	50.19	-33.77	AVG
0.5620	19.77	9.74	29.51	56.00	-26.49	QP
0.5620	14.31	9.74	24.05	46.00	-21.95	AVG
0.9220	17.05	9.74	26.79	56.00	-29.21	QP
0.9220	6.79	9.74	16.53	46.00	-29.47	AVG
1.4179	14.68	9.75	24.43	56.00	-31.57	QP
1.4179	4.51	9.75	14.26	46.00	-31.74	AVG

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.





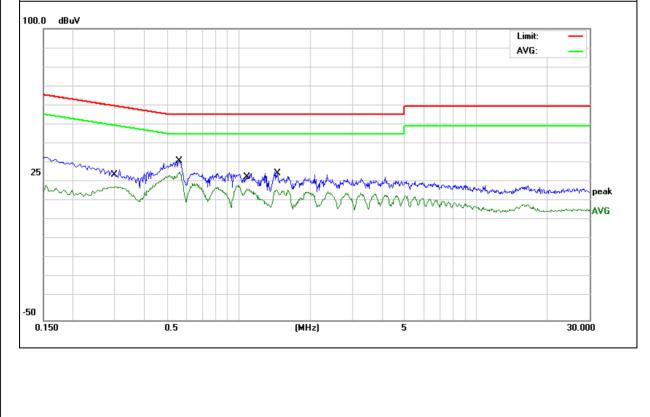
EUT:	Smart Wristband	Model Name :	CW10C
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	Ν
	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.3019	17.59	9.74	27.33	60.19	-32.86	QP
0.3019	9.02	9.74	18.76	50.19	-31.43	AVG
0.5620	22.04	9.75	31.79	56.00	-24.21	QP
0.5620	16.65	9.75	26.40	46.00	-19.60	AVG
1.0820	15.75	9.75	25.50	56.00	-30.50	QP
1.0820	7.82	9.75	17.57	46.00	-28.43	AVG
1.4379	16.63	9.77	26.40	56.00	-29.60	QP
1.4379	7.20	9.77	16.97	46.00	-29.03	AVG

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.



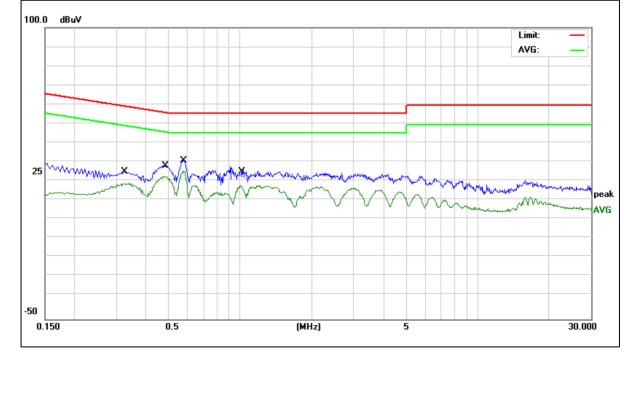


EUT:	Smart Wristband	Model Name :	CW10C
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
	DC 5V from Adapter AC 240V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.3220	16.04	9.74	25.78	59.65	-33.87	QP
0.3220	10.33	9.74	20.07	49.65	-29.58	AVG
0.4819	19.27	9.74	29.01	56.31	-27.30	QP
0.4819	13.73	9.74	23.47	46.31	-22.84	AVG
0.5738	21.91	9.74	31.65	56.00	-24.35	QP
0.5738	16.44	9.74	26.18	46.00	-19.82	AVG
1.0020	18.74	9.74	28.48	56.00	-27.52	QP
1.0020	9.00	9.74	18.74	46.00	-27.26	AVG

Remark:

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



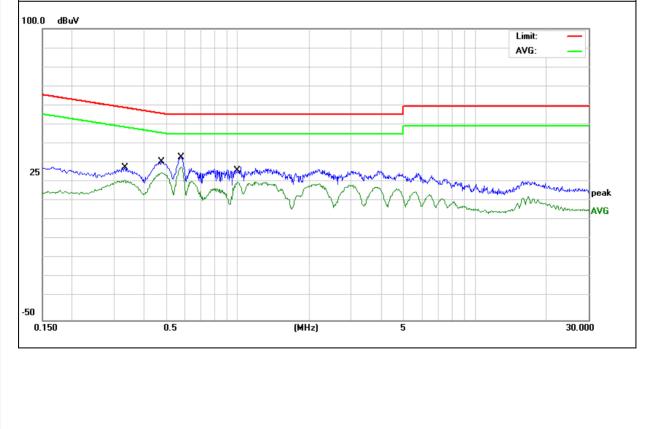


EUT:	Smart Wristband	Model Name :	CW10C
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	Ν
Test Voltage :	DC 5V from Adapter AC 240V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Damark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.3339	18.79	9.74	28.53	59.35	-30.82	QP
0.3339	12.50	9.74	22.24	49.35	-27.11	AVG
0.4779	21.84	9.75	31.59	56.38	-24.79	QP
0.4779	16.28	9.75	26.03	46.38	-20.35	AVG
0.5779	23.99	9.75	33.74	56.00	-22.26	QP
0.5779	19.16	9.75	28.91	46.00	-17.09	AVG
1.0020	19.34	9.75	29.09	56.00	-26.91	QP
1.0020	11.16	9.75	20.91	46.00	-25.09	AVG

Remark:

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





7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and ANSI C63.10-2013

7.2.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). According to FCC Part15.205, Restricted bands

10001 ang 10 1 00 1 art 10.200	According to 1 CO 1 dit15.205, Restlicted bands						
MHz	MHz	MHz	GHz				
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15				
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46				
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75				
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5				
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2				
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5				
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7				
6.26775-6.26825	123-138	2200-2300	14.47-14.5				
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2				
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4				
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12				
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0				
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8				
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5				
12.57675-12.57725	322-335.4	3600-4400	(2)				
13.36-13.41							

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Restricted Frequency(MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)	Measurement Distance
0.009~0.490	2400/F(KHz)	20 log (uV/m)	300
0.490~1.705	2400/F(KHz)	20 log (uV/m)	30
1.705~30.0	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Limits of Radiated Emission Measurement(Above 1000MHz)

Eroquonov(MHz)	Class B (dBuV/m) (at 3M)		
Frequency(MHz)	PEAK	AVERAGE	
Above 1000	74	54	

Remark :1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. For Frequency 9kHz~30MHz: Distance extrapolation factor =40log(Specific distance/ test distance)(dB); Limit line=Specific limits(dBuV) + distance extrapolation factor.

For Frequency above 30MHz: Distance extrapolation factor =20log(Specific distance/ test distance)(dB); Limit line=Specific limits(dBuV) + distance extrapolation factor.

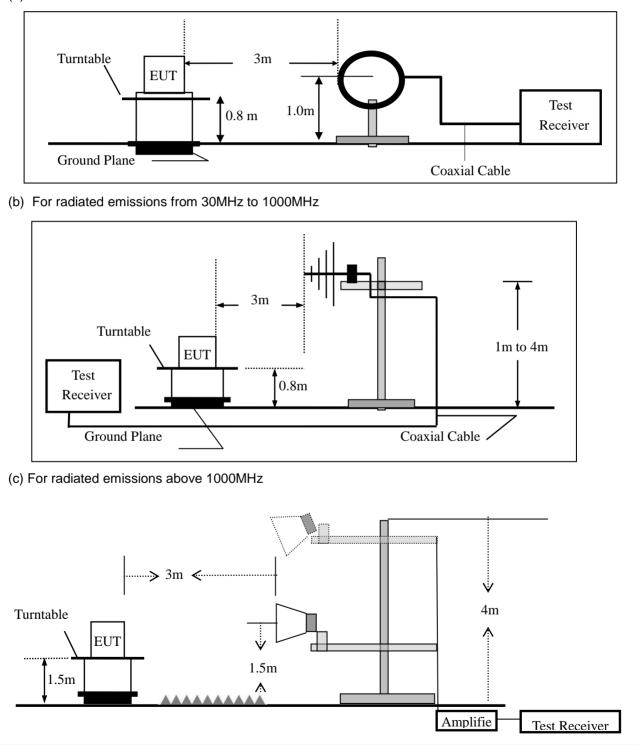


7.2.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.2.4 Test Configuration

(a) For radiated emissions below 30MHz





7.2.5 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

Spectrum Parameter	Setting	
Attenuation	Auto	
Start Frequency	1000 MHz	
Stop Frequency	10th carrier harmonic	
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average	

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

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- e. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- f. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- g. For the actual test configuration, please refer to the related Item –EUT Test Photos. Note:

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



During the radiated emission test, the Spectrum Analyzer was set with the following configurations:						
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth			
30 to 1000	QP	120 kHz	300 kHz			
About 1000	Peak	1 MHz	1 MHz			
Above 1000	Average	1 MHz	10 Hz			

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10*lg(100 [kHz]/narrower RBW [kHz])., the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

7.2.6 Test Results

Spurious Emission below 30MHz (9KHz to 30MHz)						
EUT:	Smart Wristband	Model No.:	CW10C			
Temperature:	20 ℃	Relative Humidity:	48%			
Test Mode:	Mode2/Mode3/Mode4	Test By:	Eileen Liu			

Freq.	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.



Spurious Emission below 1GHz (30MHz to 1GHz)

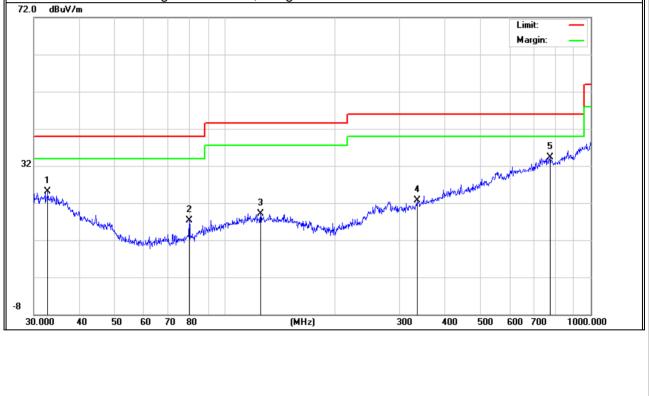
All the modulation	n modes have been	n tested, and the v	worst result was re	port as below:

EUT:	Smart Wristband	Model Name :	CW10C
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010hPa	Test Mode:	Mode 1
Test Voltage :	DC 3.7V		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	32.7486	7.33	17.79	25.12	40.00	-14.88	QP
V	79.8002	8.59	8.69	17.28	40.00	-22.72	QP
V	125.0066	5.88	13.32	19.20	43.50	-24.30	QP
V	334.8589	5.63	17.10	22.73	46.00	-23.27	QP
V	774.1584	6.79	27.45	34.24	46.00	-11.76	QP

Remark:

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit





H 141.3298 7.07 13.26 20.33 43.50 -23.17 QP H 305.6800 10.50 16.23 26.73 46.00 -19.27 QP H 747.4825 7.06 27.51 34.57 46.00 -11.43 QP H 909.6666 8.48 29.53 38.01 46.00 -7.99 QP Remark: Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit Margin: Margin: Margin: 72.0 dBwVm dBwVm 4
H 305.6800 10.50 16.23 26.73 46.00 -19.27 QP H 747.4825 7.06 27.51 34.57 46.00 -11.43 QP H 909.6666 8.48 29.53 38.01 46.00 -7.99 QP Remark: Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit Margin: Ma
H 747.4825 7.06 27.51 34.57 46.00 -11.43 QP H 909.6666 8.48 29.53 38.01 46.00 -7.99 QP Remark: Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit 72.0 dBuV/m Imit:
H 909.6666 8.48 29.53 38.01 46.00 -7.99 QP Remark: Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit 72.0 dBuV/m dBuV/m Imit: 32 33 4 4 4 4 32 3 4 4
Remark: Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit 72.0 dBvV/m
Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit 72.0 dBuV/m
Mary was a superior and a



EUT:		Smart \	Vristband		Mode	el No.:		CW	10C		
Temperatu	re:	20 ℃			Rela	tive Humid	ity:	48%	6		
Test Mode:		Mode2/	/Mode3/Mc	ode4	Test	By:	-	Eile	en Liu		
						•					
Frequenc	Read	Cable	Antenna	Prea	•	Emission	Limit	ts	Margin	_	
<u>у</u>	Level	loss	Factor	Fac				(inc.)	U	Remark	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dl	,	(dBµV/m) 402 MHz)-/			(dB)		
4004	00.50	5.04				· · · · ·		_	44.07	DL	Vertical
4804	62.53	5.21	35.59	44.		59.03	74.0		-14.97	Pk	Vertical
4804	42.91	5.21	35.59	44.		39.41	54.0		-14.59	AV	Vertical
7206	59.98	6.48	36.27	44.		58.13	74.0		-15.87	Pk	Vertical
7206	43.11	6.48	36.27	44.		41.26	54.0		-12.74	AV	Vertical
4804	61.44	5.21	35.55	44.		57.90	74.0		-16.1	Pk	Horizontal
4804	43.37	5.21	35.55	44.		39.83	54.0		-14.17	AV	Horizontal
7206	58.99	6.48	36.27	44.		57.22	74.0		-16.78	Pk	Horizontal
7206	44.52	6.48	36.27	44.	-	42.75	54.0		-11.25	AV	Horizontal
						440 MHz)- <i>i</i>					
4880	59.97	5.21	35.66	44.	-	56.64	74.0		-17.36	Pk	Vertical
4880	41.12	5.21	35.66	44.		37.79	54.0		-16.21	AV	Vertical
7320	59.67	7.10	36.50	44.		58.84	74.0	0	-15.16	Pk	Vertical
7320	43.66	7.10	36.50	44.	43	42.83	54.0	0	-11.17	AV	Vertical
4880	61.12	5.21	35.66	44.	20	57.79	74.0	0	-16.21	Pk	Horizontal
4880	43.63	5.21	35.66	44.	20	40.30	54.0	0	-13.70	AV	Horizontal
7320	61.52	7.10	36.50	44.	43	60.69	74.0	0	-13.31	Pk	Horizontal
7320	42.82	7.10	36.50	44.	43	41.99	54.0	0	-12.01	AV	Horizontal
					`	480 MHz)-	Above	1G			
4960	62.55	5.21	35.52	44.	21	59.07	74.0	0	-14.93	Pk	Vertical
4960	40.13	5.21	35.52	44.	21	36.65	54.0	0	-17.35	AV	Vertical
7440	63.62	7.10	36.53	44.	60	62.65	74.0	0	-11.35	Pk	Vertical
7440	41.24	7.10	36.53	44.	60	40.27	54.0	0	-13.73	AV	Vertical
4960	59.98	5.21	35.52	44.	21	56.50	74.0	0	-17.50	Pk	Horizontal
4960	42.15	5.21	35.52	44.	21	38.67	54.0	0	-15.33	AV	Horizontal
7440	60.27	7.10	36.53	44.	60	59.30	74.0	0	-14.70	Pk	Horizontal
7440	43.62	7.10	36.53	44.	60	42.65	54.0	0	-11.35	AV	Horizontal

Note:

(1) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor (2)All other emissions more than 20dB below the limit.



Spurious Emission	n in Restricted Band 231	0-2390MHz and 2483.	5-2500MHz
EUT:	Smart Wristband	Model No.:	CW10C
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/ Mode4	Test By:	Eileen Liu

Frequenc v	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	
				GF	SK				
2310.00	60.59	2.97	27.80	43.80	47.56	74	-26.44	Pk	Horizontal
2310.00	42.31	2.97	27.80	43.80	29.28	54	-24.72	AV	Horizontal
2310.00	63.34	2.97	27.80	43.80	50.31	74	-23.69	Pk	Vertical
2310.00	42.47	2.97	27.80	43.80	29.44	54	-24.56	AV	Vertical
2390.00	63.58	3.14	27.21	43.80	50.13	74	-23.87	Pk	Vertical
2390.00	42.51	3.14	27.21	43.80	29.06	54	-24.94	AV	Vertical
2390.00	62.53	3.14	27.21	43.80	49.08	74	-24.92	Pk	Horizontal
2390.00	43.12	3.14	27.21	43.80	29.67	54	-24.33	AV	Horizontal
2483.50	62.84	3.58	27.70	44.00	50.12	74	-23.88	Pk	Vertical
2483.50	43.69	3.58	27.70	44.00	30.97	54	-23.03	AV	Vertical
2483.50	63.37	3.58	27.70	44.00	50.65	74	-23.35	Pk	Horizontal
2483.50	42.85	3.58	27.70	44.00	30.13	54	-23.87	AV	Horizontal

Note: (1) All other emissions more than 20dB below the limit.



	Spurious Emi										
EUT	:	Sm	art Wrist	band	Model N	No.:	C	W10C			
Terr	nperature:	20	°C		Relative	e Humidity:	48	48%			
Test	t Mode:	Мо	de2/ Mod	e4	Test By	:	Ei	leen Liu			
	Frequenc	Readin		Antenn	Preamp	Emission	Limit	s Margin	Detect		
	У	g Level	Loss	а	Factor	Level		-	or	Comment	
	(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµ V/m)	(dBµ V/m)		Туре	Common	
	3260	62.34	4.04	29.57	44.70	51.25	74	-22.75	Pk	Vertical	
	3260	48.87	4.04	29.57	44.70	37.78	54	-16.22	AV	Vertical	
	3260	63.22	4.04	29.57	44.70	52.13	74	-21.87	Pk	Horizontal	
	3260	45.85	4.04	29.57	44.70	34.76	54	-19.24	AV	Horizontal	
	3332	61.11	4.26	29.87	44.40	50.84	74	-23.16	Pk	Vertical	
	3332	43.48	4.26	29.87	44.40	33.21	54	-20.79	AV	Vertical	
	3332	62.95	4.26	29.87	44.40	52.68	74	-21.32	Pk	Horizontal	
	3332	45.62	4.26	29.87	44.40	35.35	54	-18.65	AV	Horizontal	
	17797	50.58	10.99	43.95	43.50	62.02	74	-11.98	Pk	Vertical	
	17797	31.06	10.99	43.95	43.50	42.50	54	-11.50	AV	Vertical	
	17788	49.98	11.81	43.69	44.60	60.88	74	-13.12	Pk	Horizontal	
	17788	31.26	11.81	43.69	44.60	42.16	54	-11.84	AV	Horizontal	

Note: (1) All other emissions more than 20dB below the limit.



7.3 6DB BANDWIDTH

7.3.1 Applicable Standard

According to FCC Part 15.247(a)(2) and KDB 558074 D01 15.247 Meas Guidance v05 Section 8.2.

7.3.2 Conformance Limit

The minimum permissible 6dB bandwidth is 500 kHz.

7.3.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

The testing follows Subclause 11.8 of ANSI C63.10

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) \geq 3*RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3.6 Test Results

EUT:	Smart Wristband	Model No.:	CW10C
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Eileen Liu

Channel	Frequency (MHz)	6dB bandwidth (kHz)	Limit (kHz)	Result
Low	2402	687.5	≥500	Pass
Middle	2440	685.5	≥500	Pass
High	2480	693.6	≥500	Pass







6dB Bandwidth plot on	channel 39		1Mbps	
to dB/div Ref 10.00 dBm	SENSE:PULSE Center Freq: 2.4800 Trig: Free Run #IFGein:Low #Atten: 10 dB	ALIGN AUTO 11:24:50 A 00000 GHz Radio Std Avg Hold:>10/10 Radio Dev		
Ref Value 10.00 dBm			Clear Write Average	
-50.0		Sp	Max Hold	
#Res BW 100 kHz Occupied Bandwidtl 1.0 Transmit Freq Error	#VBW 300 I n Total F D741 MHz 28.773 kHz OBW F	ower 5.48 dBm	eep 1 ms Min Hold Detector Average ► <u>Auto</u> Man	
x dB Bandwidth	693.6 kHz x dB	-6.00 dB		



7.4 PEAK OUTPUT POWER

7.4.1 Applicable Standard

According to FCC Part 15.247(b)(3) and KDB 558074 D01 15.247 Meas Guidance v05 Section 8.3.1.

7.4.2 Conformance Limit

The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm). If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

7.4.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

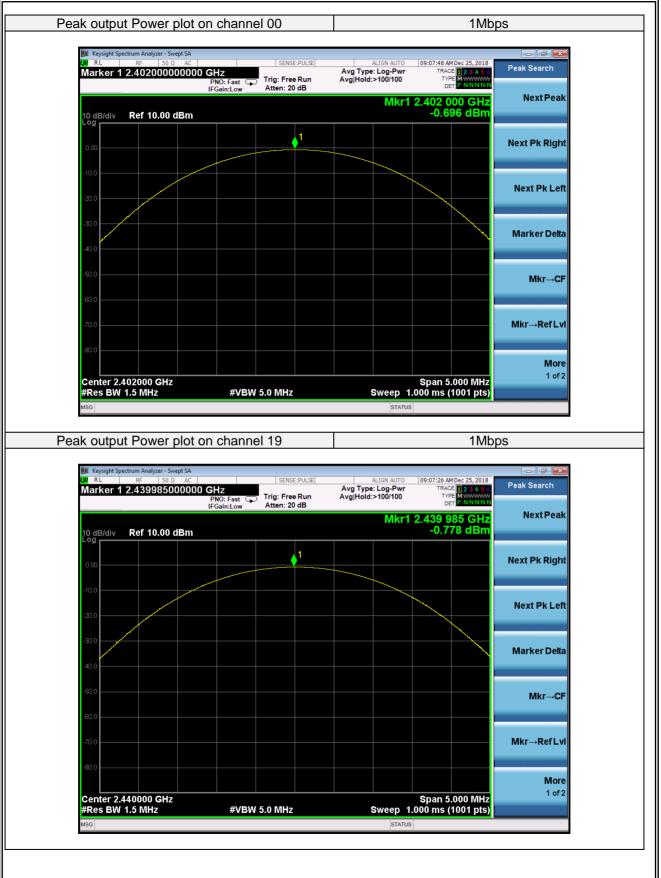
The testing follows Subclause 11.9.1.1 of ANSI C63.10 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating in controlled its channel. Use the following spectrum analyzer settings: Set the RBW \geq DTS bandwidth. Set VBW =3*RBW. Set the span \geq 3*RBW Set Sweep time = auto couple. Set Detector = peak. Set Trace mode = max hold. Allow trace to fully stabilize. Use peak marker function to determine the peak amplitude level.

7.4.6 Test Results

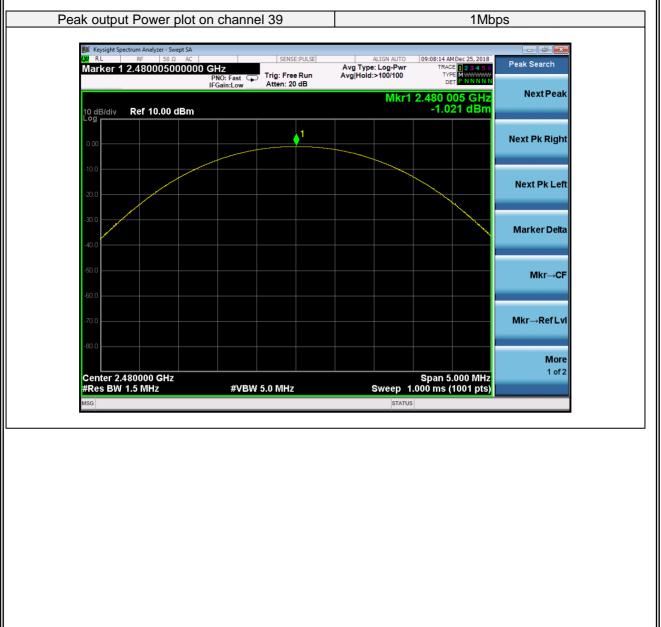
EUT:	Smart Wristband	Model No.:	CW10C
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Eileen Liu

Test Channel	Frequency (MHz)	Power Setting	Peak Output Power (dBm)	LIMIT (dBm)	Verdict
			1Mbps		
00	2402	Default	-0.696	30	PASS
19	2440	Default	-0.778	30	PASS
39	2480	Default	-1.021	30	PASS











7.5 POWER SPECTRAL DENSITY

7.5.1 Applicable Standard

According to FCC Part 15.247(e) and KDB 558074 D01 15.247 Meas Guidance v05 Section 8.4.

7.5.2 Conformance Limit

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

7.5.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

The testing follows Measurement Procedure Subclause 11.10.2 of ANSI C63.10 This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance, and is optional if the maximum conducted (average) output power was used to demonstrate compliance.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

a) Set analyzer center frequency to DTS channel center frequency.

b) Set the span to 1.5*DTS bandwidth.

c) Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.

d) Set the VBW \geq 3 RBW.

e) Detector = peak.

f) Sweep time = auto couple.

g) Trace mode = max hold.

h) Allow trace to fully stabilize.

i) Use the peak marker function to determine the maximum amplitude level within the RBW.

j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.



7.5.6 Test Results

EUT:	Smart Wrist	band	Model No.:		CW10C	
Temperature:	20 ℃		Relative Hur	nidity:	48%	
Test Mode:	Mode2/Mode	e3/Mode4	Test By:		Eileen Liu	
Test Channel	Frequency (MHz)		[·] Density /3KHz)	(d	Limit Bm/3KHz)	Verdict
			1Mbps	•		
<u> </u>	2402 2440		3.168 3.203		8	PASS PASS
39	2440		3.396		8	PASS PASS
	2100					•
Power spe	ectral density plot or	n channel 0	0		1Mbp	S
🎉 Keysia	ght Spectrum Analyzer - Swept SA	_				
(X) RL Marko	RF 50 Ω AC er 1 2.402041616000 GH	Z D: Wide 😱 Trig: F	Avg T ree Run Avg H	ALIGN AUTO /pe: Log-Pwr bld:>100/100	11:54:14 AM Dec 26, 2018 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N	Peak Search
10 dB//		ain:Low Atten:	. 10 00	Mkr1 2.	402 041 6 GHz -18.168 dBm	Next Peak
Log			▲ ¹			Next Pk Right
-20.0	MARAA		WWWWW	h/m		Next Pk Left
-40.0	M Minik a . A				AAA AAAA	Marker Delta
-60.0						Mkr→CF
-80.0						Mkr→RefLvl
Cente	r 2.4020000 GHz	4)/DW 40 KH			Span 1.040 MHz	More 1 of 2
#Res	BW 3.0 kHz	#VBW 10 kHz	2	Sweep 1	09.7 ms (1001 pts)	







7.6 CONDUCTED BAND EDGE MEASUREMENT

7.6.1 Applicable Standard

According to FCC Part 15.247(d) and KDB 558074 D01 15.247 Meas Guidance v05 Section 8.7.

7.6.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

7.6.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04 Section 8.7. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.

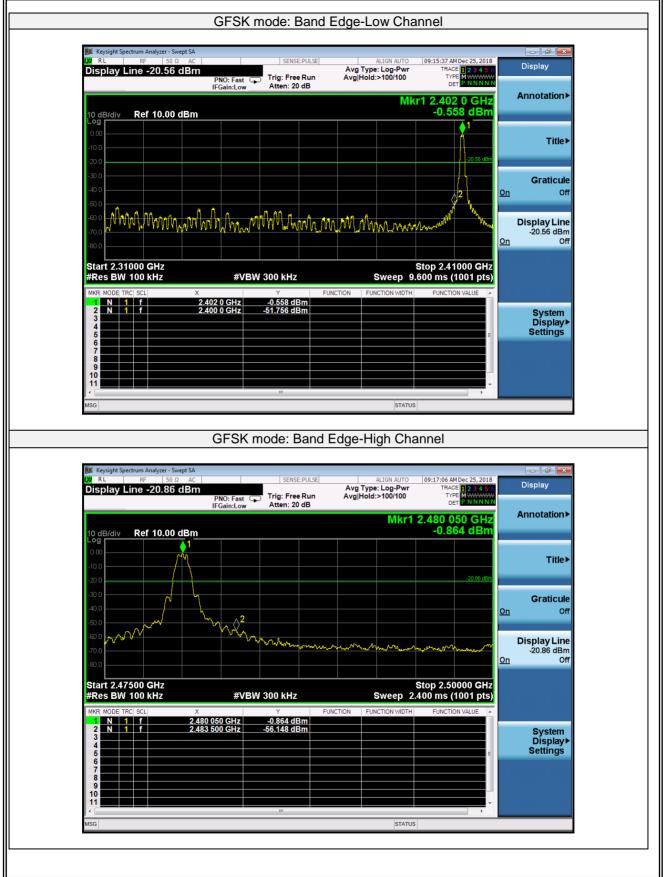
Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

Repeat above procedures until all measured frequencies were complete.

7.6.6 Test Results

EUT:	Smart Wristband	Model No.:	CW10C
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode4	Test By:	Eileen Liu







7.7 SPURIOUS RF CONDUCTED EMISSIONS

7.7.1 Conformance Limit

1. Below -20dB of the highest emission level in operating band.

2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

7.7.2 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.7.3 Test Setup

Please refer to Section 6.1 of this test report.

7.7.4 Test Procedure

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300KHz to measure the peak field strength , and measure frequeny range from 9KHz to 26.5GHz.

7.7.5 Test Results

Remark: The measurement frequency range is from 9KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.



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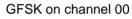
Test Plot





GFSK on channel 00

	pectrum Analyzer - Swept SA						
RL	RF 50 Ω AC 770.110000000		SENSE:PULSE	ALIGN AU Avg Type: Log-P			Peak Search
nal Nel	770.110000000	PNO: East	rig: Free Run Atten: 30 dB	Avg Hold: 74/100	TYPE	NNNNN	
	D-f 00 00 dD-				Mkr1 770.11 -60.829	MHz	NextPea
10 dB/div - ^{og}	Ref 20.00 dBm				-00.020		
							Next Pk Rigi
10.0							HEAT I KING
0.00							
							Next Pk Le
-10.0							
						-20.00 (0)	
-20.0							Marker Del
-30.0							
40.0							Mkr→C
50.0							
50.0							
60.0					and the second s		Mkr→RefL
	areased from the second second	and the second	مينك كالدسك الجوالا ال	whitematenter	an a galan yang si kang dikan	a grant a la	
70.0							
							Mor 1 of
Start 30.0			0.111-		Stop 1.000	0 GHz	1 01
	100 kHz	#VBW 30	U KHZ		92.73 ms (10	01 pts)	
tSG				ST.	ATUS		





Version.1.2

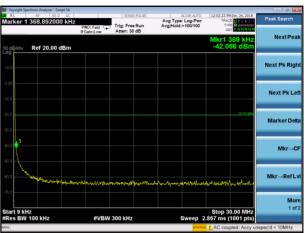


NTEK北测

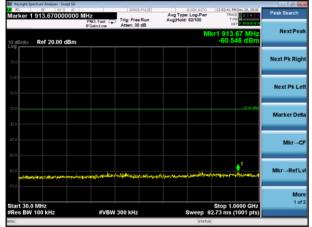
Test Plot



GFSK on channel 19



GFSK on channel 19

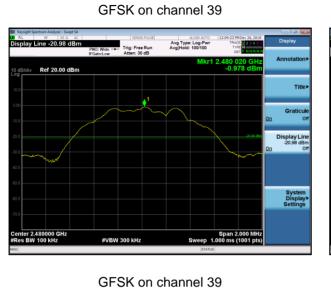




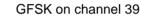


NTEK北测

Test Plot



GESK on channel 39



Marker 1	RF 50 Ω 845.77000	0000 M	PNO: Fast	Trig: Free	Run		LIGN AUTO Log-Pwr 64/100	TRAC	MDec 26, 2018	Peak Search
10 dB/div	Ref 20.00 c		FGain:Low	Atten: 30	dB		М		.77 MHz 45 dBm	Next Pea
10.0										Next Pk Rig
10.00										Next Pk Le
30.0										Marker De
-40.0										Mkr0
	he was him to get in the	(aniversited	a jog gall of the lot	hennen	a haiye yaqal	Langer and the second	^{ور رو} ار ک ^{ور} کورواری	1 have been seen		Mkr→RefL
5tart 30.0 #Res BW			#VBM	300 kHz			Sween 9	Stop 1.0	0000 GHz 1001 pts)	Мо 1 о





7.8 ANTENNA APPLICATION

7.8.1 Antenna Requirement

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

7.8.2 Result

The EUT antenna is permanent attached PCB antenna(Gain:1dBi). It comply with the standard requirement.

END OF REPORT