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Website: www.cqa-cert.com Report Template Revision Date: 2021-11-03

Report Template Version: V05

Test Report

Report No.: CQASZ20240100130E-01

Applicant:Shenzhen DO Intelligent Technology Co., Ltd

Address of Applicant: 11th Floor, 3# Building, Guole Tech Park, Lirong Road, Dalang, Longhua

District, Shenzhen, China

Equipment Under Test (EUT):

Product: Smart Watch

Model No.: GTX03, GTX15

Test Model No.: GTX03

Brand Name: IDO

FCC ID: 2AHFT537

Standards: 47 CFR Part 15, Subpart C

Date of Receipt: 2024-1-11

Date of Test: 2024-1-11- to 2024-1-19

Date of Issue: 2024-03-07
Test Result: PASS*

*In the configuration tested, the EUT complied with the standards specified above.

Tested By:

(Lewis Zhou)

Reviewed By:

Approved By: (Alex Wang)





Report No.: CQASZ20240100130E-01

1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20240100130E-01	Rev.01	Initial report	2024-03-07

Note:

The difference between product #1 and product #2 is that the screen model, appearance, loudspeaker model, antenna is different. The key differences are the appearance and the model number. These changes do not affect RF performance.





2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203/15.247 (c)	ANSI C63.10 2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	ANSI C63.10 2013	PASS
Conducted Peak Output Power	47 CFR Part 15, Subpart C Section 15.247 (b)(1)	ANSI C63.10 2013	N/A
6dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.247 (a)(2)	ANSI C63.10 2013	N/A
Power Spectral Density	47 CFR Part 15, Subpart C Section 15.247 (e)	ANSI C63.10 2013	N/A
Band-edge for RF Conducted Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	ANSI C63.10 2013	N/A
RF Conducted Spurious Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	ANSI C63.10 2013	N/A
Radiated Spurious Emissions	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 2013	N/A



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4 General Information

4.1 Client Information

Applicant:	Shenzhen DO Intelligent Technology Co., Ltd
Address of Applicant:	11th Floor, 3# Building, Guole Tech Park, Lirong Road, Dalang, Longhua District, Shenzhen, China
Manufacturer:	Shenzhen DO Intelligent Technology Co., Ltd
Address of Manufacturer:	11th Floor, 3# Building, Guole Tech Park, Lirong Road, Dalang, Longhua District, Shenzhen, China
Factory:	Shenzhen DO Intelligent Technology Co., Ltd
Address of Factory:	11th Floor, 3# Building, Guole Tech Park, Lirong Road, Dalang, Longhua District, Shenzhen, China

4.2 General Description of EUT

Product Name:	Smart Watch		
Model No.:	GTX03, GTX15		
Test Model No.:	GTX03		
Trade Mark:	IDO		
Software Version:	V1.01.00		
Hardware Version:	V1.0		
Operation Frequency:	2402MHz~2480MHz		
Bluetooth Version:	V5.3		
Modulation Type:	GFSK		
Transfer Rate:	1Mbps, 2Mbps		
Number of Channel:	40		
Product Type:	☐ Mobile ⊠ Portable		
Test Software of EUT:	FCC_V2.24		
Antenna Type:	LDS antenna		
Antenna Gain:	-2.1dBi		
EUT Power Supply:	Li-ion battery: DC 3.8V 300mAh, Charge by DC 5V for adapter		
Simultaneous Transmission	☐ Simultaneous TX is supported and evaluated in this report.		
	⊠ Simultaneous TX is not supported.		



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Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel (CH0)	2402MHz
The middle channel (CH19)	2440MHz
The highest channel (CH39)	2480MHz

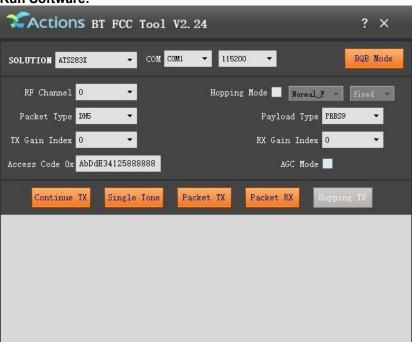




4.3 Additional Instructions

EUT Test Software Settings:						
Mode:	⊠ Special software is used.					
	☐ Through engineering command into					
	engineering command: *#*#3646633#	*#*				
EUT Power level:	Class2 (Power level is built-in set parameters and cannot be changed and selected)					
Use test software to set the lowest frequency, the middle frequency and the highest frequency keep						
transmitting of the EUT.						
Mode	Mode Channel Frequency(MHz)					
	CH0 2402					
GFSK	GFSK CH19 2440					
	CH39	2480				

Run Software:







4.4 Test Environment

Operating Environment:	Operating Environment:			
Temperature:	24.5°C			
Humidity:	59% RH			
Atmospheric Pressure:	1009mbar			
Test Mode:	Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.			

4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Adapter	/	1	/	CQA
2) Cable				
Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
1	,	1	,	1





4.6 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the **Shenzhen Huaxia Testing Technology Co., Ltd.** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CQA laboratory is reported:

No.	Item	Uncertainty
1	Radiated Emission (Below 1GHz)	5.12dB
2	Radiated Emission (Above 1GHz)	4.60dB
3	Conducted Disturbance (0.15~30MHz)	3.34dB
4	Radio Frequency	3×10 ⁻⁸
5	Duty cycle	0.6 %
6	Occupied Bandwidth	1.1%
7	RF conducted power	0.86dB
8	RF power density	0.74
9	Conducted Spurious emissions	0.86dB
10	Temperature test	0.8℃
11	Humidity test	2.0%
12	Supply voltages	0.5 %
13	Frequency Error	5.5 Hz



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4.7 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd.

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

4.8 Test Facility

A2LA (Certificate No. 4742.01)

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

• FCC Registration No.: 522263

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263

4.9 Deviation from Standards

None.

4.10 Other Information Requested by the Customer

None.





4.11 Equipment List

			Instrument	Calibration	Calibration
Test Equipment	Manufacturer	Model No.	No.	Date	Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2023/09/08	2024/09/07
Spectrum analyzer	R&S	FSU26	CQA-038	2023/09/08	2024/09/07
Spectrum analyzer	R&S	FSU40	CQA-075	2023/09/08	2024/09/07
Preamplifier	MITEQ	AFS4-00010300-18- 10P-4	CQA-035	2023/09/08	2024/09/07
Preamplifier	MITEQ	AMF-6D-02001800- 29-20P	CQA-036	2023/09/08	2024/09/07
Preamplifier	EMCI	EMC184055SE	CQA-089	2023/09/08	2024/09/07
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2021/09/16	2024/09/15
Bilog Antenna	R&S	HL562	CQA-011	2021/09/16	2024/09/15
Horn Antenna	R&S	HF906	CQA-012	2021/09/16	2024/09/15
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2021/09/16	2024/09/15
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2023/09/08	2024/09/07
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2023/09/08	2024/09/07
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2023/09/08	2024/09/07
Antenna Connector	CQA	RFC-01	CQA-080	2023/09/08	2024/09/07
Power Sensor	KEYSIGHT	U2021XA	CQA-30	2023/09/08	2024/09/07
N1918A Power Analysis Manager Power Panel	Agilent	N1918A	CQA-074	2023/09/08	2024/09/07
Power meter	R&S	NRVD	CQA-029	2023/09/08	2024/09/07
Power divider	MIDWEST	PWD-2533-02-SMA- 79	CQA-067	2023/09/08	2024/09/07
EMI Test Receiver	R&S	ESR7	CQA-005	2023/09/08	2024/09/07
LISN	R&S	ENV216	CQA-003	2023/09/08	2024/09/07
Coaxial cable	CQA	N/A	CQA-C009	2023/09/08	2024/09/07
DC power	KEYSIGHT	E3631A	CQA-028	2023/09/08	2024/09/07

Note:

The temporary antenna connector is soldered on the pcb board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.





5 Test results and Measurement Data

5.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

15.203 requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:



The antenna is LDS antenna.

The connection/connection type between the antenna to the EUT's antenna port is: unique coupling This is either permanently attachment or a unique coupling that satisfies the requirement.

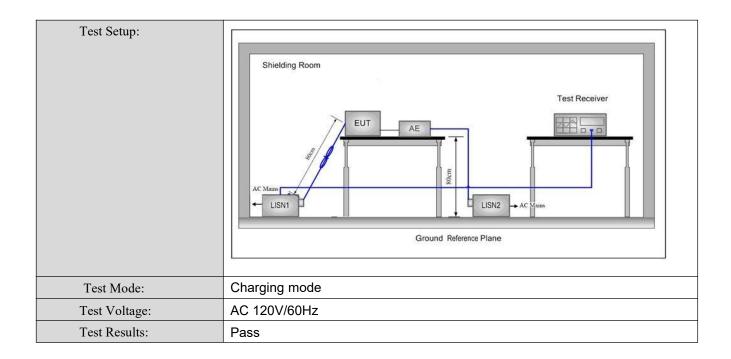


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5.2 Conducted Emissions

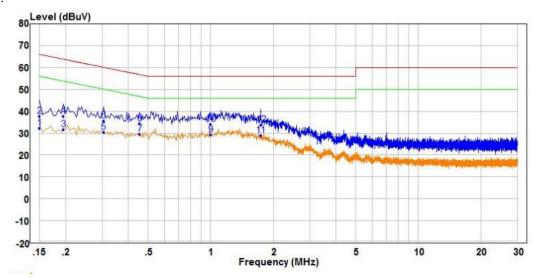
Test Requirement:	47 CFR Part 15C Section 15.207							
Test Method:	ANSI C63.10: 2013							
Test Frequency Range:	150kHz to 30MHz							
Limit:	Limit (dBuV)							
	Frequency range (MHz)	Quasi-peak	Average					
	0.15-0.5	66 to 56*	56 to 46*					
	0.5-5	56	46					
	5-30	60	50					
	* Decreases with the logarithm o	f the frequency.						
Test Procedure:	The mains terminal disturb room.	ance voltage test was	conducted in a shielded					
	 The EUT was connected to Impedance Stabilization Nimpedance. The power cal connected to a second LIS reference plane in the sammeasured. A multiple sock power cables to a single Liexceeded. The tabletop EUT was place ground reference plane. At placed on the horizontal ground reference plane. At vertical ground reference preference plane. The LISN unit under test and bonded mounted on top of the ground between the closest points the EUT and associated ed. In order to find the maximum equipment and all of the in ANSI C63.10: 2013 on contract. 	etwork) which provides oles of all other units of all other units of all 2, which was bonde the way as the LISN 1 for et outlet strip was used ISN provided the rating are outlet of the vertical ground reference plane, the avertical ground reference of the vertical ground reference of the unit of the LISN 1 and the quipment was at least 0 the reference of the relative terface cables must be	s a 50Ω/50μH + 5Ω linear of the EUT were do to the ground for the unit being do to connect multiple of the LISN was not do table 0.8m above the rangement, the EUT was derence plane. The rear do reference plane. The e horizontal ground for the boundary of the e plane for LISNs his distance was EUT. All other units of 0.8 m from the LISN 2. We positions of					





Measurement Data

Live line:



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
-	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.150	22.62	9.70	32.32	56.00	-23.68	Average	Line
2	0.150	28.20	9.70	37.90	66.00	-28.10	QP	Line
3	0.195	22.09	9.62	31.71	53.82	-22.11	Average	Line
4	0.195	28.04	9.62	37.66	63.82	-26.16	QP	Line
5	0.305	21.00	9.50	30.50	50.11	-19.61	Average	Line
6	0.305	26.03	9.50	35.53	60.11	-24.58	QP	Line
7	0.455	19.84	9.66	29.50	46.78	-17.28	Average	Line
8	0.455	24.65	9.66	34.31	56.78	-22.47	QP	Line
9 PP	1.000	19.66	9.70	29.36	46.00	-16.64	Average	Line
10 QP	1.000	24.53	9.70	34.23	56.00	-21.77	QP	Line
11	1.740	17.55	11.26	28.81	46.00	-17.19	Average	Line
12	1.740	22.46	11.26	33.72	56.00	-22.28	QP	Line

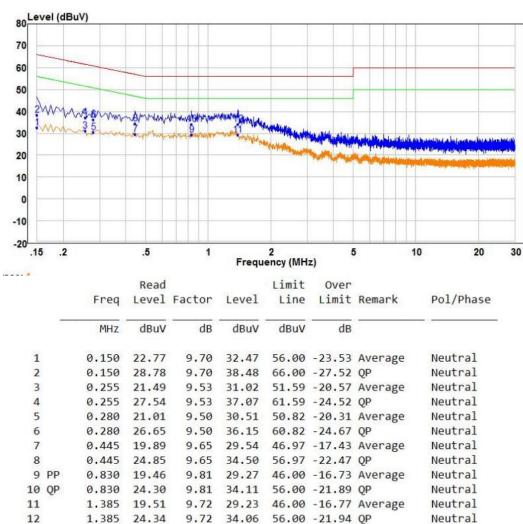
Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.





Neutral line:



Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report



5.3 Radiated Spurious Emission & Restricted bands

5.8.1 Spurious Emissions									
Test Requirement:	47 CFR Part 15C Section	on 1	5.209 and 15	.205				_	
Test Method:	ANSI C63.10 2013								
Test Site:	Measurement Distance	: 3m	ı (Semi-Anecl	noic Cham	ber)			_	
Receiver Setup:	Frequency		Detector	RBW		VBW	Remark		
	0.009MHz-0.090MH	z	Peak	10kHz	<u>z</u>	30kHz	Peak		
	0.009MHz-0.090MH	Z	Average	10kHz	<u>z</u>	30kHz	Average		
	0.090MHz-0.110MH	z	Quasi-peak	10kHz	2	30kHz	Quasi-peak		
	0.110MHz-0.490MH	Z	Peak	10kHz	2	30kHz	Peak	ĺ	
	0.110MHz-0.490MH	Z	Average	10kHz	2	30kHz	Average		
	0.490MHz -30MHz		Quasi-peak	10kHz	<u>z</u>	30kHz	Quasi-peak	ĺ	
	30MHz-1GHz		Quasi-peak	100 kH	lz :	300kHz	Quasi-peak		
	Above 1GHz		Peak	1MHz	<u>. </u>	3MHz	Peak		
	Above IGHZ		Peak	1MHz	_	10Hz	Average		
Limit:	Frequency		eld strength crovolt/meter)	Limit (dBuV/m)	R	Remark	Measuremer distance (m		
	0.009MHz-0.490MHz	24	400/F(kHz)	-		-	300		
	0.490MHz-1.705MHz	24	000/F(kHz)	-		-	30		
	1.705MHz-30MHz		30	-		-	30		
	30MHz-88MHz		100	40.0	Qua	asi-peak	3		
	88MHz-216MHz		150	43.5	Qua	asi-peak	3		
	216MHz-960MHz		200	46.0	Qua	asi-peak	3		
	960MHz-1GHz		500	54.0	Qua	asi-peak	3		
	Above 1GHz		500	54.0	A	verage	3		
	Note: 15.35(b), frequency emissions is limit applicable to the e peak emission level race	20d quip	B above the ment under t	maximum est. This p	pern	nitted ave	rage emissior	า	





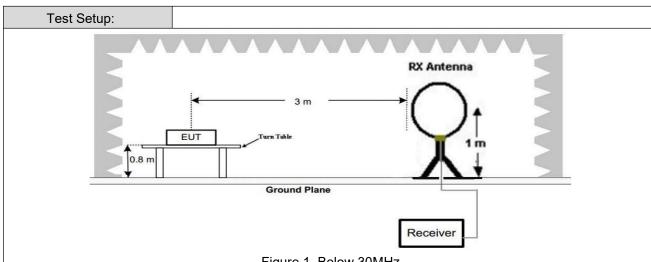


Figure 1. Below 30MHz

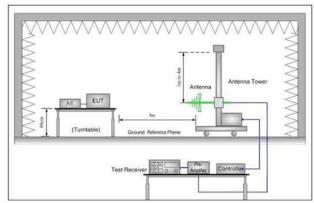


Figure 2. 30MHz to 1GHz

Figure 3. Above 1 GHz

Test Procedure:

- 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

Note: 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.

- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both



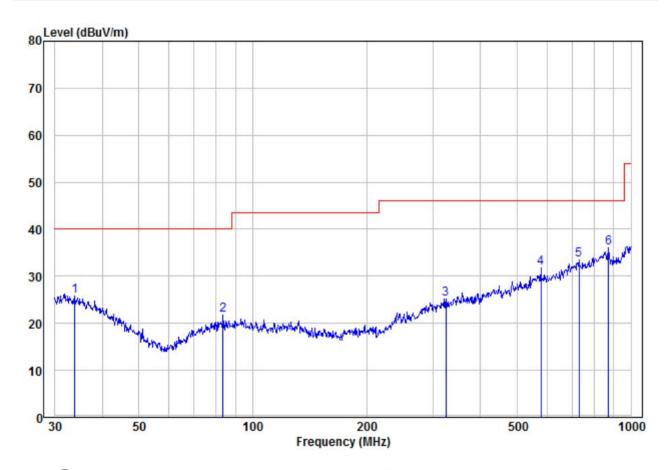
	horizontal and vertical polarizations of the antenna are set to make the measurement.
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) 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 Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
	g. Test the EUT in the lowest channel (2402MHz),the middle channel (2440MHz),the Highest channel (2480MHz)
	h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
	i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with GFSK modulation. Transmitting mode.
Final Test Mode:	Through Pre-scan, find the 1Mbps of data type and GFSK modulation is the worst case.
	For below 1GHz part, through pre-scan, the worst case is the highest channel.
	Only the worst case is recorded in the report.
Test Results:	Pass





Radiated Emission below 1GHz

30MHz~1GHz, the worst case					
Test mode:	Transmitting mode	Horizontal			

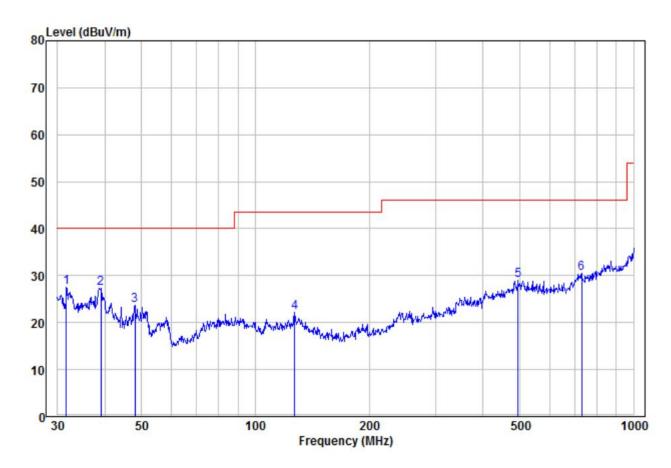


		Read			Limit	0ver		
	Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase
-	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	33.80	10.91	14.92	25.83	40.00	-14.17	Peak	HORIZONTAL
2	83.52	11.84	9.87	21.71	40.00	-18.29	Peak	HORIZONTAL
3	324.46	10.94	14.32	25.26	46.00	-20.74	Peak	HORIZONTAL
4	578.67	13.17	18.72	31.89	46.00	-14.11	Peak	HORIZONTAL
5	729.36	12.12	21.29	33.41	46.00	-12.59	Peak	HORIZONTAL
6 pp	872.18	12.05	23.96	36.01	46.00	-9.99	Peak	HORIZONTAL





30MHz~1GHz, the worst case					
Test mode:	Transmitting mode	Vertical			



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
-	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1 pp	31.62	12.01	15.49	27.50	40.00	-12.50	Peak	VERTICAL
2	39.02	14.16	13.15	27.31	40.00	-12.69	Peak	VERTICAL
3	47.99	14.65	9.03	23.68	40.00	-16.32	Peak	VERTICAL
4	127.22	11.85	10.43	22.28	43.50	-21.22	Peak	VERTICAL
5	495.93	10.87	18.15	29.02	46.00	-16.98	Peak	VERTICAL
6	729.36	9.12	21.29	30.41	46.00	-15.59	Peak	VERTICAL





Transmitter Emission above 1GHz

Worse case mode:		GFSK(1Mbps)		Test chann	el:	Lowest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
2390	55.46	-9.2	46.26	74	-27.74	Peak	Н
2400	55.40	-9.39	46.01	74	-27.99	Peak	Н
4804	54.01	-4.33	49.68	74	-24.32	Peak	Н
7206	50.69	1.01	51.70	74	-22.30	Peak	Н
2390	52.46	-9.2	43.26	74	-30.74	Peak	V
2400	52.29	-9.39	42.90	74	-31.10	Peak	V
4804	54.08	-4.33	49.75	74	-24.25	Peak	V
7206	48.34	1.01	49.35	74	-24.65	Peak	V

Worse case mode:		GFSK(1Mbps)		Test chann	iel:	Middle	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
4880	50.37	-4.11	46.26	74	-27.74	peak	Н
7320	49.43	1.51	50.94	74	-23.06	peak	Н
4880	53.88	-4.11	49.77	74	-24.23	peak	V
7320	50.12	1.51	51.63	74	-22.37	peak	V

Worse case mode:		GFSK(1Mbps)		Test chann	el:	Highest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
2483.5	56.32	-9.29	47.03	74	-26.97	Peak	Н
4960	51.34	-4.04	47.30	74	-26.70	Peak	Н
7440	48.82	1.57	50.39	74	-23.61	Peak	Н
2483.5	57.22	-9.29	47.93	74	-26.07	Peak	V
4960	51.39	-4.04	47.35	74	-26.65	Peak	V
7440	50.01	1.57	51.58	74	-22.42	Peak	V



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Worse case mode:		GFSK(2Mbps)		Test chann	el:	Lowest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
2390	53.25	-9.2	44.05	74	-29.95	Peak	Н
2400	56.35	-9.39	46.96	74	-27.04	Peak	Н
4804	52.16	-4.33	47.83	74	-26.17	Peak	Н
7206	48.90	1.01	49.91	74	-24.09	Peak	Н
2390	54.92	-9.2	45.72	74	-28.28	Peak	V
2400	51.63	-9.39	42.24	74	-31.76	Peak	V
4804	52.27	-4.33	47.94	74	-26.06	Peak	V
7206	50.91	1.01	51.92	74	-22.08	Peak	V

Worse case mode:		GFSK(2Mbps)		Test channel:		Middle	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
4880	51.75	-4.11	47.64	74	-26.36	peak	Н
7320	48.85	1.51	50.36	74	-23.64	peak	Н
4880	53.34	-4.11	49.23	74	-24.77	peak	V
7320	48.26	1.51	49.77	74	-24.23	peak	V

Worse case mode:		GFSK(2Mbps)		Test channel:		Highest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
2483.5	56.15	-9.29	46.86	74	-27.14	Peak	Н
4960	50.31	-4.04	46.27	74	-27.73	Peak	Н
7440	50.72	1.57	52.29	74	-21.71	Peak	Н
2483.5	58.00	-9.29	48.71	74	-25.29	Peak	V
4960	51.89	-4.04	47.85	74	-26.15	Peak	V
7440	49.02	1.57	50.59	74	-23.41	Peak	V

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 - Final Test Level =Receiver Reading + Antenna Factor + Cable Factor Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. 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. So, only the peak measurements were shown in the report.

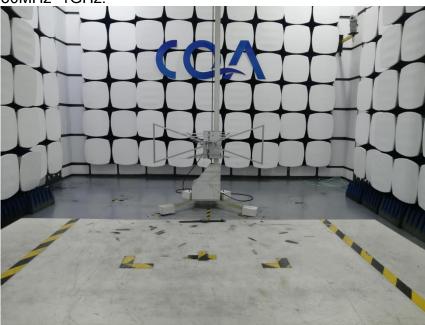
6 Photographs - EUT Test Setup

6.1 Radiated Spurious Emission

9kHz~30MHz:



30MHz~1GHz:

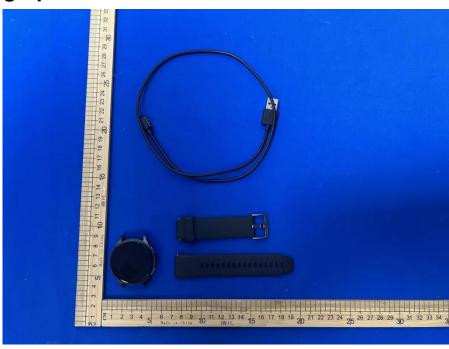




6.2 Conducted Emissions Test Setup



7 Photographs - EUT Constructional Details































































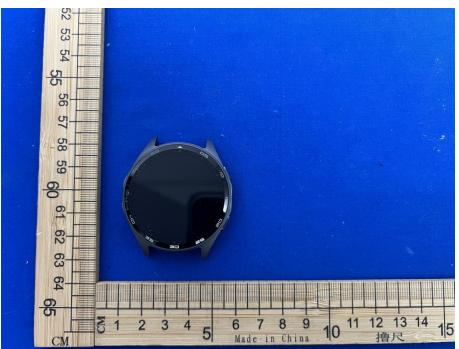






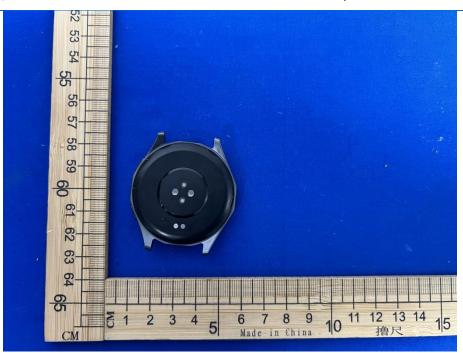
























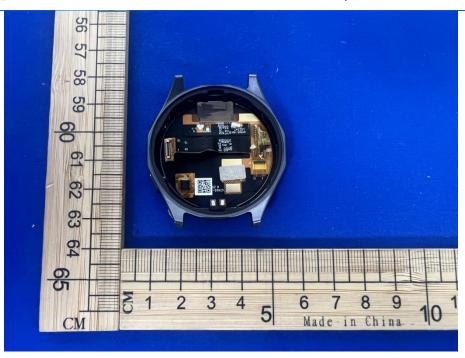


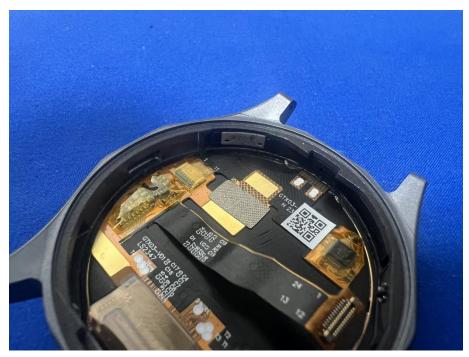








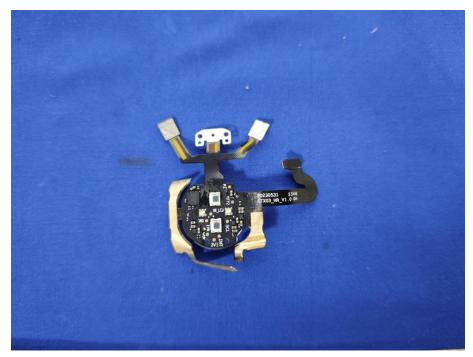












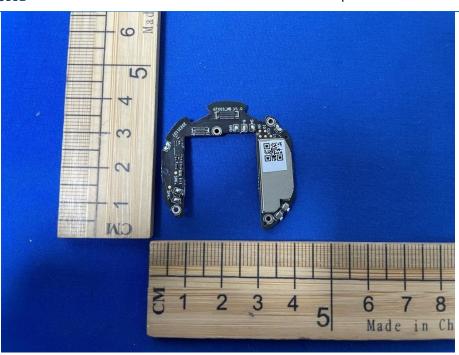


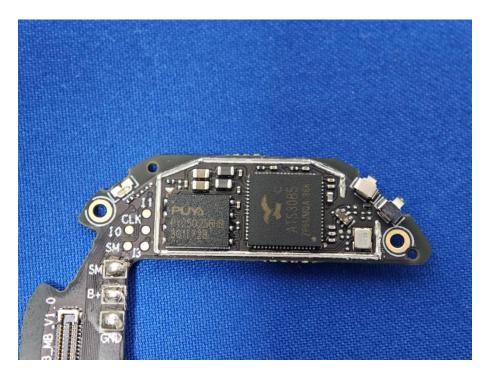






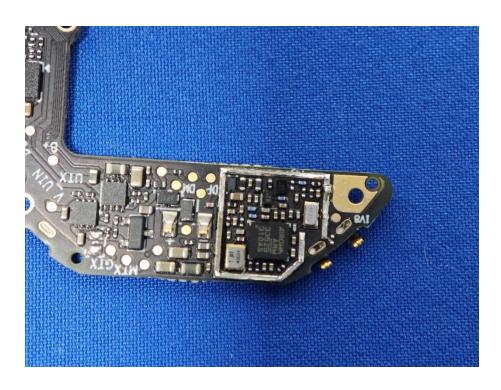












*** END OF REPORT ***