

FCC Test Report

Report No.: AGC03061190803FE02

FCC ID : WAD-BTH171Q

APPLICATION PURPOSE: Original Equipment

PRODUCT DESIGNATION : Bluetooth True Wireless Headset

BRAND NAME : K-mate

MODEL NAME : BTH171Q

APPLICANT : Zhongshan K-mate General Electronics Co., Ltd.

DATE OF ISSUE : Sep. 09, 2019

STANDARD(S) : FCC Part 15.247

REPORT VERSION : V1.0

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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	9 /	Sep. 09, 2019	Valid	Initial Release





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1. VERIFICATION OF COMPLIANCE

Applicant	Zhongshan K-mate General Electronics Co., Ltd.	
Applicant		
Address	NO.2, 5th Xinsheng Street, Gangkou Town, Zhongshan City, Guangdong, China	
Manufacturer	Zhongshan K-mate General Electronics Co., Ltd.	
Address	NO.2, 5th Xinsheng Street, Gangkou Town, Zhongshan City, Guangdong, China	
Factory	Zhongshan K-mate General Electronics Co., Ltd.	
Address	NO.2, 5th Xinsheng Street, Gangkou Town, Zhongshan City, Guangdong, China	
Product Designation	Bluetooth True Wireless Headset	
Brand Name	K-mate	
Test Model	BTH171Q	
Date of test	Aug, 19, 2019 to Sep. 09, 2019	
Deviation	None	
Condition of Test Sample	Normal	
Test Result	Pass	
Report Template AGCRT-US-BLE/RF		

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC part 15.247.

Prepared By	sky dong	
	Sky Dong (Project Engineer)	Sep. 09, 2019
Reviewed By	Max Zhang	
AGO C	Max Zhang (Reviewer)	Sep. 09, 2019
Approved By	Forrest le	
No.	Forrest Lei (Authorized Officer)	Sep. 09, 2019

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2.GENERAL INFORMATION

2.1PRODUCT DESCRIPTION

The EUT is designed as a "Bluetooth True Wireless Headset". It is designed by way of utilizing the GFSK technology to achieve the system operation.

A major technical description of EUT is described as following

Operation Frequency	2.402 GHz to 2.480GHz		
RF Output Power -0.351dBm(Max)			
Bluetooth Version V 5.0			
Modulation	BR □GFSK, EDR □π /4-DQPSK, □8DPSK BLE □GFSK 1Mbps □GFSK 2Mbps		
Number of channels	40 Channel		
Antenna Designation	Integrated Antenna(Comply with requirements of the FCC part 15.203)		
Antenna Gain	-1.63dBi		
Hardware Version BTH171QMB-V02			
Software Version BTH171Q-V19			
Power Supply DC 3.7V by battery			

Note: The EUT comprises left and right channel headsets, both are the same and have been tested. Only the test data of left headset recorded in this report.

2.2. TABLE OF CARRIER FREQUENCYS

Frequency Band	Channel Number	Frequency
	0	2402MHZ
60 6	1	2404MHZ
2400~2483.5MHZ	0 2 5	
	38	2478 MHZ
G ^C 2.C	39	2480 MHZ





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2.3 RELATED SUBMITTAL(S)/GRANT(S)

This submittal(s) (test report) is intended for **FCC ID: WAD-BTH171Q** filing to comply with the FCC Part 15.247 requirements.

2.4TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013). Radiated testing was performed at an antenna to EUT distance 3 meters.

2.5 SPECIAL ACCESSORIES

Refer to section 2.2.

2.6 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.





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3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ±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%.

- Uncertainty of Conducted Emission, Uc = ±3.2 dB
- Uncertainty of Radiated Emission below 1GHz, Uc = ±3.9 dB
- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB
- Uncertainty of total RF power, conducted, Uc = ±0.8dB
- Uncertainty of RF power density, conducted, Uc = ±2.6dB
- Uncertainty of spurious emissions, conducted, Uc = ±2.7dB
- Uncertainty of Occupied Channel Bandwidth: Uc = ±2 %



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4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION		
1	Low channel TX		
2	Middle channel TX		
3	High channel TX		

Note:

- 1. Only the result of the worst case was recorded in the report, if no other cases.
- 2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
- 3. For Conducted Test method, a temporary antenna connector is provided by the manufacture.
- 4. The test software is the Blue Test3 which can set the EUT into the individual test modes.



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5. SYSTEM TEST CONFIGURATION

5.1 CONFIGURATION OF TESTED SYSTEM

EUT	

5.2 EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	Bluetooth True Wireless Headset	BTH171Q	WAD-BTH171Q	EUT

5.3. SUMMARY OF TEST RESULTS

FCC RULES DESCRIPTION OF TEST		RESULT
15.247 (b)(3)	Peak Output Power	Compliant
15.247 (a)(2)	6 dB Bandwidth	Compliant
15.247 (d)	Conducted Spurious Emission	Compliant
15.247 (e)	Maximum Conducted Output Power Density	Compliant
15.209	Radiated Emission	Compliant
15.207	Conducted Emission	N/A

Note: The EUT can not use the BT function with charging



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6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd		
Location 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community Fuhai Street, Bao'an District, Shenzhen, Guangdong, China			
Designation Number	tion Number CN1259		
FCC Test Firm Registration Number	975832		
A2LA Cert. No.	5054.02		
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA		

TEST EQUIPMENT OF RADIATED EMISSION TEST

TEST EQUIPMENT OF RADIATED EMISSION TEST					
Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	Jun. 12, 2019	Jun. 11, 2020
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec. 20, 2018	Dec. 19, 2019
2.4GHz Fliter	EM Electronics	2400-2500MHz	N/A	Feb. 27, 2019	Feb. 26, 2020
Attenuator	ZHINAN	E-002	N/A	Aug. 26, 2019	Aug. 25, 2020
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep. 21, 2017	Sep. 20, 2020
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	Jun. 14, 2018	Jun. 13, 2020
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May. 26, 2018	May. 25, 2020
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Oct. 25, 2018	Oct. 24, 2019
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep. 28, 2017	Sep. 27, 2019





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7. PEAK OUTPUT POWER

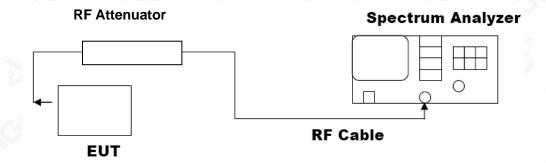
7.1. MEASUREMENT PROCEDURE

For peak power test:

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. RBW≥DTS bandwidth
- 3. VBW≥3*RBW.
- 4. SPAN≥VBW.
- 5. Sweep: Auto.
- 6. Detector function: Peak.
- 7. Trace: Max hold.

Allow trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power, after any corrections for external attenuators and cables.

7.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION) PEAK POWER TEST SETUP





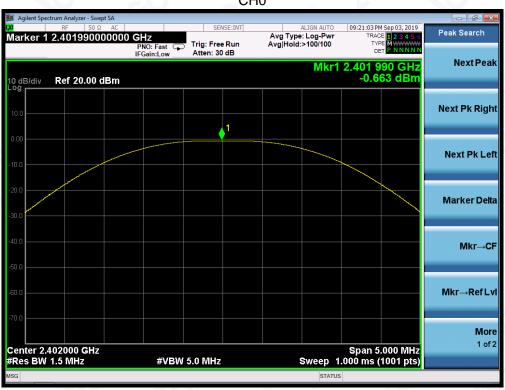


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7.3. LIMITS AND MEASUREMENT RESULT

	PEAK OUTPUT POWER MEASU	REMENT RESULT			
	FOR GFSK MOUDUL	ATION			
Frequency (GHz) Peak Power Applicable Limits (dBm) Pass or Fa					
2.402	-0.663	30	Pass		
2.440	-0.391	30	Pass		
2.480	-0.351	30	Pass		

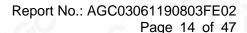
CH₀





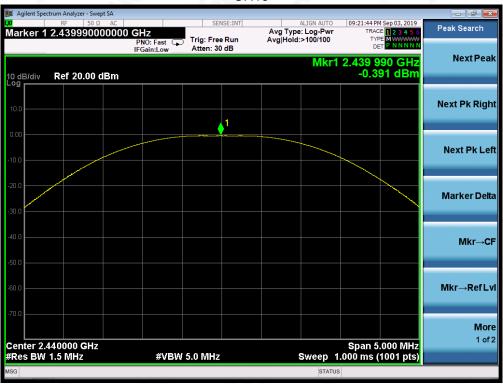
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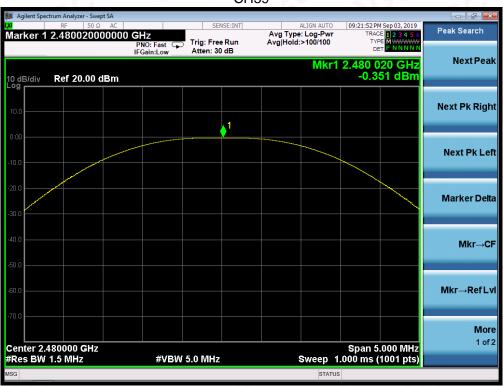




CH19



CH39





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8. 6 DB BANDWIDTH

8.1. MEASUREMENT PROCEDURE

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW ≥ 3×RBW.
- 4. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to ANSI C63.10 for compliance to FCC PART 15.247 requirements.

8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 7.2.

8.3. LIMITS AND MEASUREMENT RESULTS

LIMITS AND MEASUREMENT RESULT						
Applicable Limite		Applicable Limits				
Applicable Limits	Test Data	(kHz)	Criteria			
CO C	Low Channel	719.9	PASS			
>500KHZ	Middle Channel	707.6	PASS			
	High Channel	708.2	PASS			

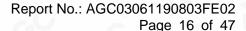
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL





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TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL





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9. CONDUCTED SPURIOUS EMISSION

9.1. MEASUREMENT PROCEDURE

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2, Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to ANSI C63.10 for compliance to FCC PART 15.247 requirements.

9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 7.2.

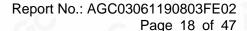
9.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6.

9.4. LIMITS AND MEASUREMENT RESULT

LIMITS AND MEASUREMENT RESULT						
A multi-abila I imita	Measurement Result					
Applicable Limits	Test Data	Criteria				
In any 100 KHz Bandwidth Outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produce by the intentional radiator shall be at least 20 dB below that in 100KHz bandwidth within the band that contains the highest level of the desired power.	At least -20dBc than the reference level	PASS PASS				



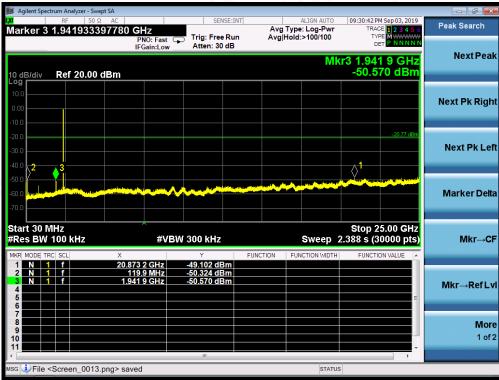




TEST RESULT FOR ENTIRE FREQUENCY RANGE

GFSK MODULATION IN LOW CHANNEL



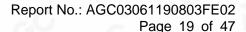




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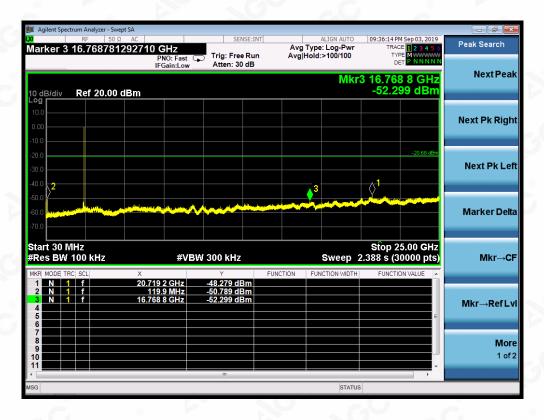
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GFSK MODULATION IN MIDDLE CHANNEL

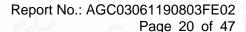






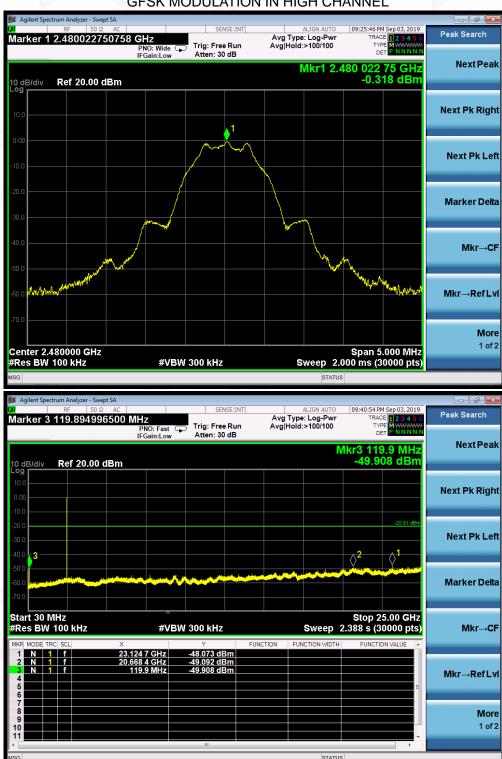
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GFSK MODULATION IN HIGH CHANNEL



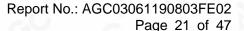
Note: The peak emissions without marker on the above plots are fundamental wave and need not to compare with the limit.



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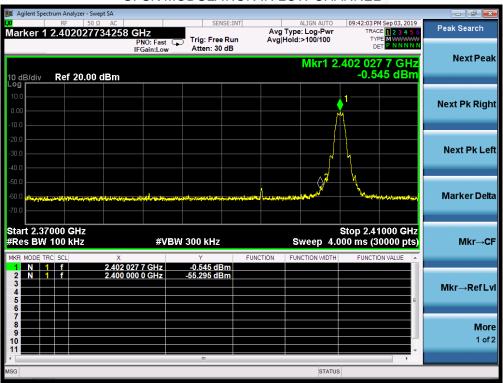
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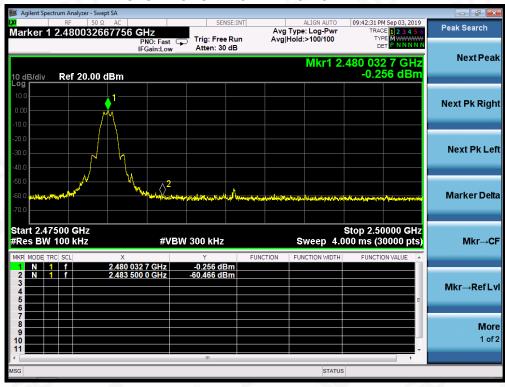


TEST RESULT FOR BAND EDGE

GFSK MODULATION IN LOW CHANNEL



GFSK MODULATION IN HIGH CHANNEL





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10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

10.1 MEASUREMENT PROCEDURE

- (1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (3). Set SPA Trace 1 Max hold, then View.

Note: The method of PKPSD in the KDB 558074 item 10.2 was used in this testing.

10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer To Section 7.2.

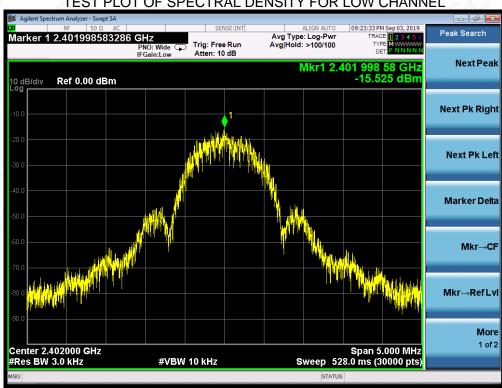
10.3 MEASUREMENT EQUIPMENT USED

Refer To Section 6.

10.4 LIMITS AND MEASUREMENT RESULT

Channel No.	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	-15.525	8	Pass
Middle Channel	-15.101	8	Pass
High Channel	-15.413	8	Pass

TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL

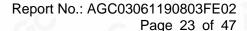




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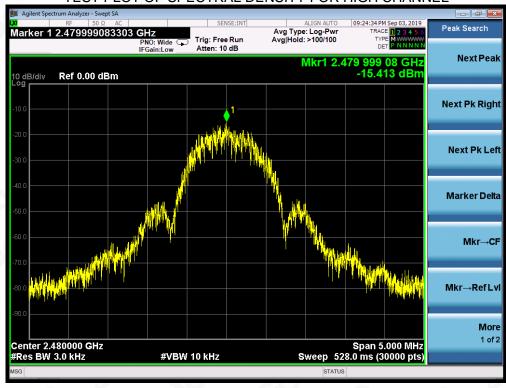




TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



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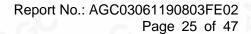
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11. RADIATED EMISSION

11.1. MEASUREMENT PROCEDURE

- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. 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.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8.If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

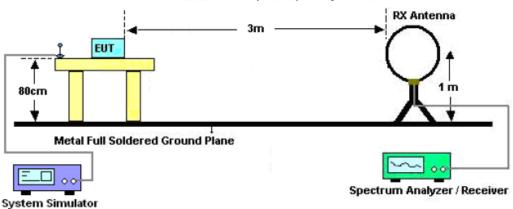




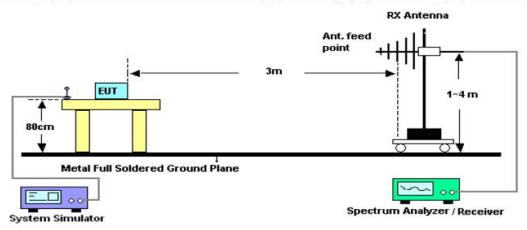


11.2. TEST SETUP

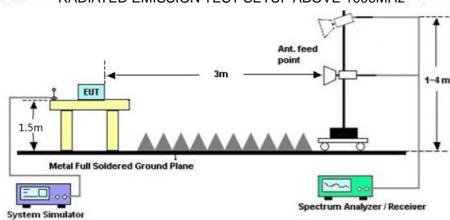
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz





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11.3. LIMITS AND MEASUREMENT RESULT

15.209 Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (micorvolts/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: All modes were tested For restricted band radiated emission,

the test records reported below are the worst result compared to other modes.

11.4. TEST RESULT

RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

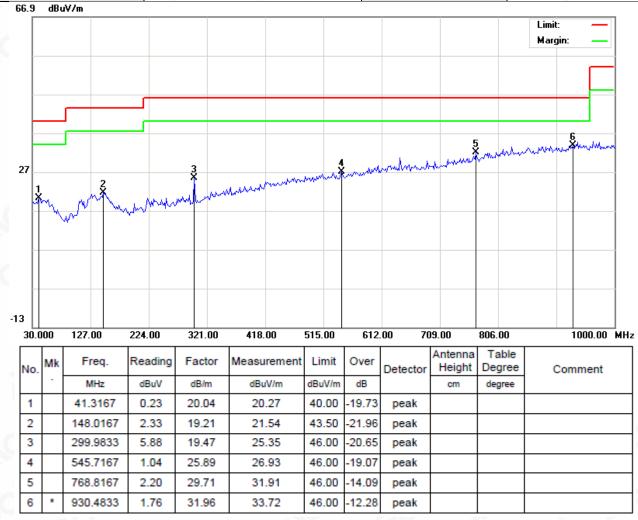




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RADIATED EMISSION BELOW 1GHZ

EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal



RESULT: PASS



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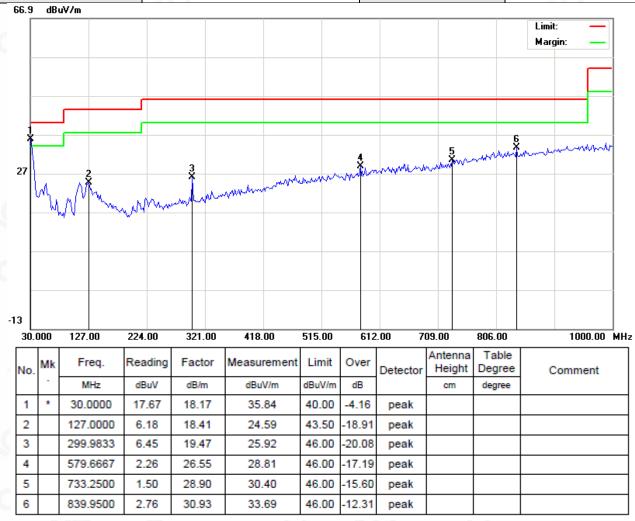
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service

Service Hotline: 400 089 2118



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EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical



RESULT: PASS

Note:

- 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.
- 2. All test modes had been tested. The mode 1 is the worst case and recorded in the report.



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RADIATED EMISSION ABOVE 1GHZ

EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	\/alua Tres
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4804.000	44.19	0.08	44.27	74	-29.73	peak
4804.000	37.53	0.08	37.61	54	-16.39	AVG
7206.000	39.08	2.21	41.29	74	-32.71	peak
7206.000	33.5	2.21	35.71	54	-18.29	AVG
C C	<i></i> C			100	a.C	
emark:			0			7.0
emark: actor = Anten	nna Factor + Cable	e Loss – Pre-	amplifier			G

EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4804.000	42.95	0.08	43.03	74	-30.97	peak
4804.000	36.86	0.08	36.94	54	-17.06	AVG
7206.000	36.8	2.21	39.01	74	-34.99	peak
7206.000	30.64	2.21	32.85	54	-21.15	AVG
			60			
emark:						3
actor = Anter	nna Factor + Cable	Loss - Pre-	amplifier.			





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EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4880.000	43.15	0.14	43.29	74	-30.71	peak
4880.000	38.33	0.14	38.47	54	-15.53	AVG
7320.000	38.34	2.36	40.7	74	-33.3	peak
7320.000	31.51	2.36	33.87	54	-20.13	AVG
10	0	8		10 V	a.C.	(8)
temark:						20
actor = Anter	nna Factor + Cable	Loss - Pre-	-amplifier.			

EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Vertical

(MHz) (dB _L	ιV) (dB)	(dBµV/m)	(-ID)//)	(10)	─ Value Type
	(GD)	(ubµv/III)	(dBµV/m)	(dB)	**
4880.000 42.0	0.14	42.16	74	-31.84	peak
4880.000 35.5	52 0.14	35.66	54	-18.34	AVG
7320.000 37.2	25 2.36	39.61	74	-34.39	peak
7320.000 30.7	78 2.36	33.14	54	-20.86	AVG
emark:	0	10	4.C		





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EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
42.46	0.22	42.68	74	-31.32	peak
36.61	0.22	36.83	54	-17.17	AVG
37.72	2.64	40.36	74	-33.64	peak
31.56	2.64	34.2	54	-19.8	AVG
a.C	8		100 H	-C	0
	42.46 36.61 37.72 31.56	42.46 0.22 36.61 0.22 37.72 2.64 31.56 2.64	42.46 0.22 42.68 36.61 0.22 36.83 37.72 2.64 40.36	42.46 0.22 42.68 74 36.61 0.22 36.83 54 37.72 2.64 40.36 74 31.56 2.64 34.2 54	42.46 0.22 42.68 74 -31.32 36.61 0.22 36.83 54 -17.17 37.72 2.64 40.36 74 -33.64 31.56 2.64 34.2 54 -19.8

EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Volue Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4960.000	41.1	0.22	41.32	74	-32.68	peak
4960.000	35	0.22	35.22	54	-18.78	AVG
7440.000	35.78	2.64	38.42	74	-35.58	peak
7440.000	29.19	2.64	31.83	54	-22.17	AVG
(8)		707	- Ci	0		- C
emark:	· · · · · ·			C .	8	
actor = Anter	nna Factor + Cabl	le Loss – Pre-a	amplifier.			

RESULT: PASS

Noto:

Other emissions from 1G to 25 GHz are considered as ambient noise. No recording in the test report.

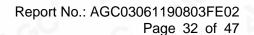
Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.



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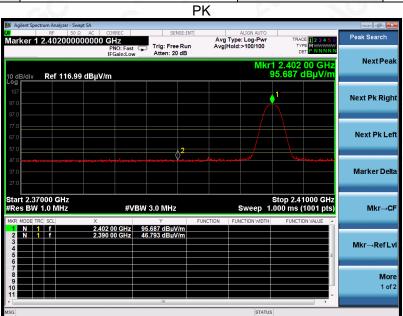
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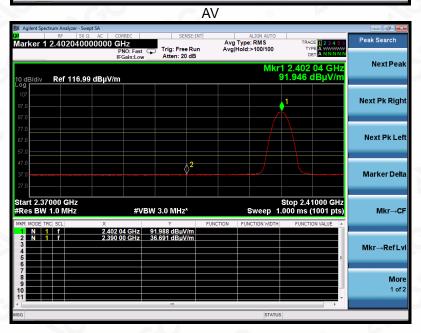




TEST RESULT FOR RESTRICTED BANDS REQUIREMENTS

EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal



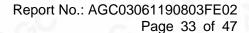


RESULT: PASS



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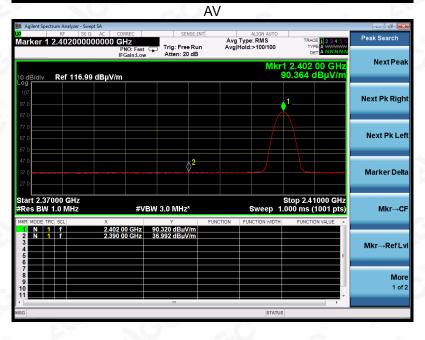
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,





EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical



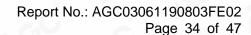


RESULT: PASS



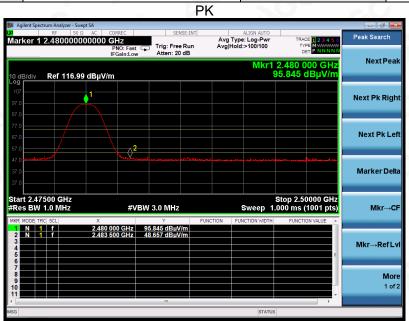
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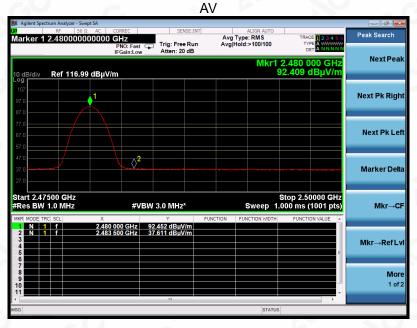
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,





EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal





RESULT: PASS



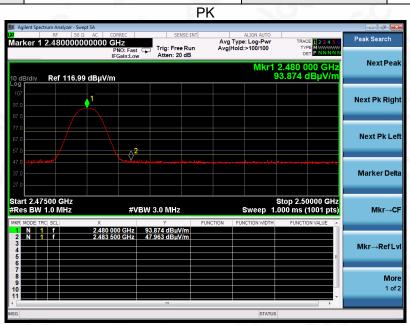
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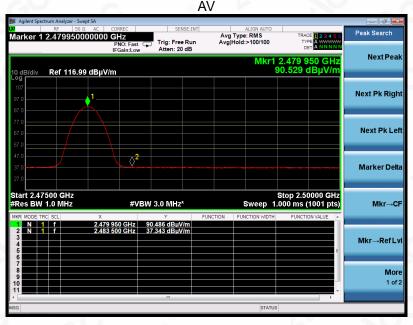
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,



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EUT	Bluetooth True Wireless Headset	Model Name	BTH171Q
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical





RESULT: PASS

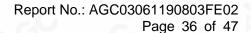
Note: The factor had been edited in the "Input Correction" of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(μ V) to represent the Amplitude. Use the F dB(μ V/m) to represent the Field Strength. So A=F.



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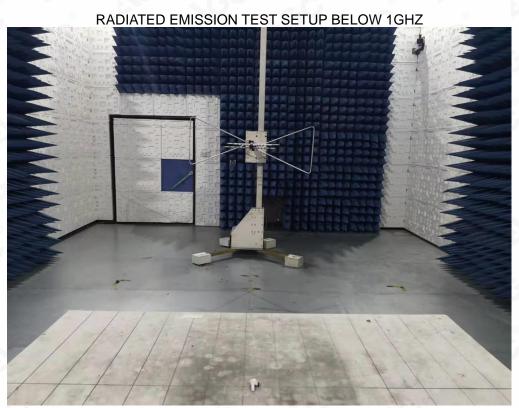
Add: 2/F., Building 2,Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

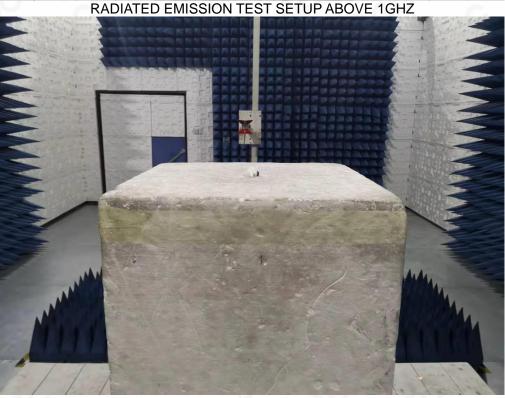
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline: 400 089 2118





APPENDIX A: PHOTOGRAPHS OF TEST SETUP







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APPENDIX B: PHOTOGRAPHS OF EUT

ALL VIEW OF EUT

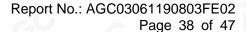




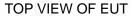


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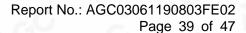
BOTTOM VIEW OF EUT





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FRONT VIEW OF EUT



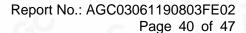
BACK VIEW OF EUT





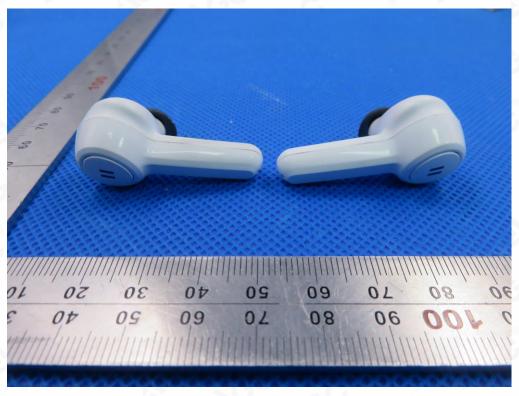
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LEFT VIEW OF EUT



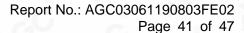
RIGHT VIEW OF EUT





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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,

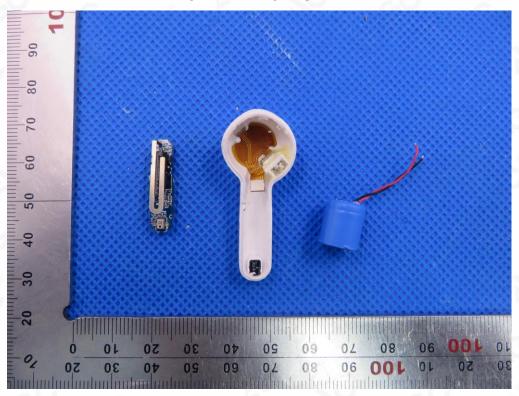




OPEN VIEW OF EUT-1(left)



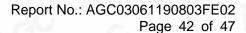
OPEN VIEW OF EUT-2





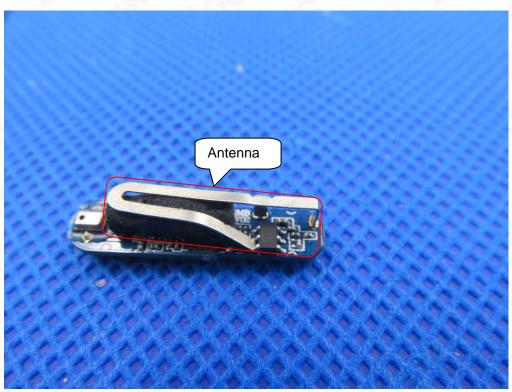
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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,

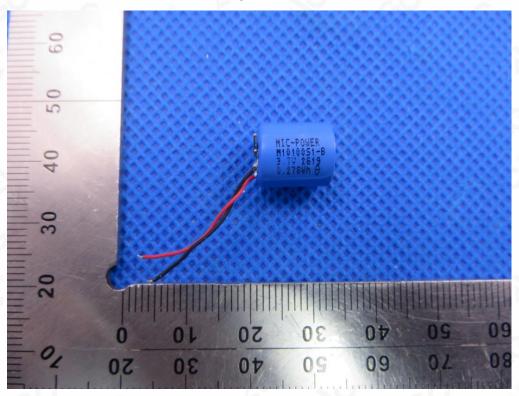




OPEN VIEW OF EUT-3



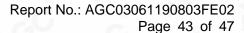
VIEW OF BATTERY





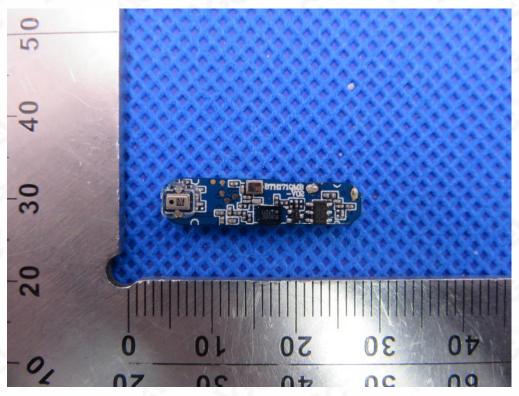
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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,

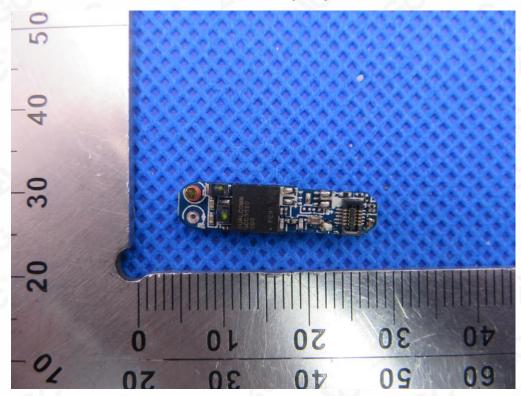




INTERNAL VIEW OF EUT-1



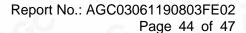
INTERNAL VIEW OF EUT-2





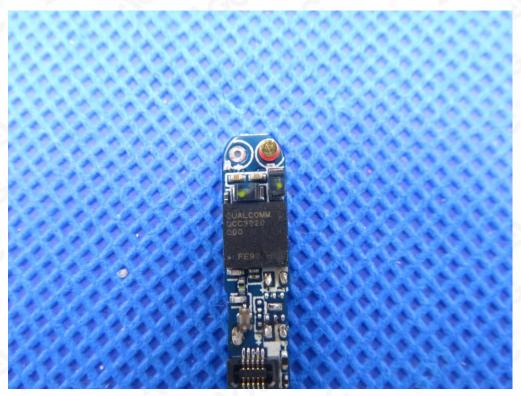
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INTERNAL VIEW OF EUT-3



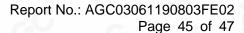
OPEN VIEW OF EUT-1(right)





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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,

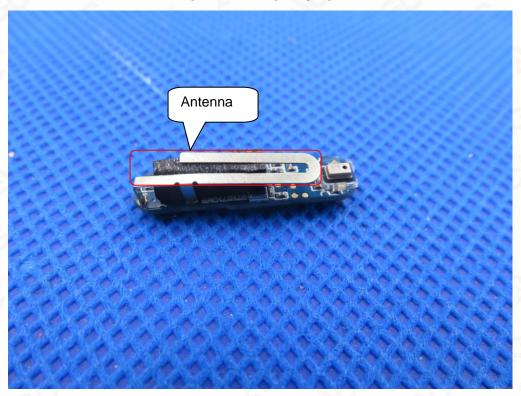




OPEN VIEW OF EUT-2



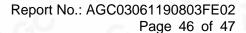
OPEN VIEW OF EUT-3





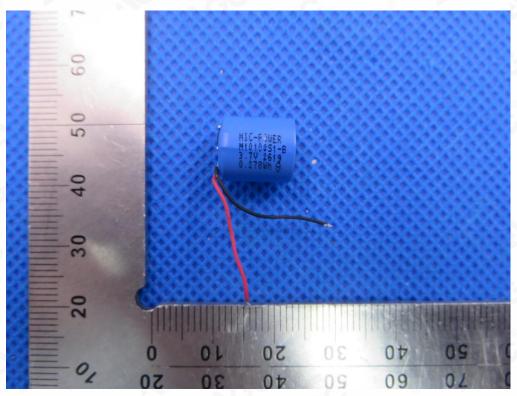
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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,

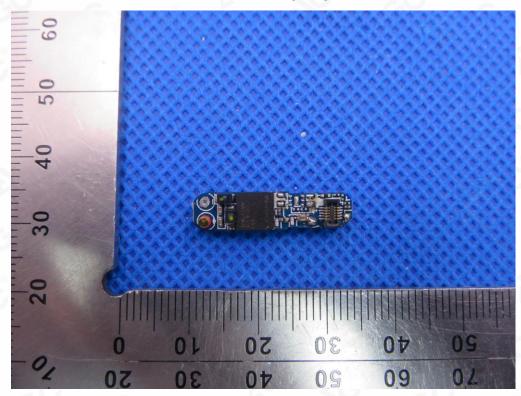




VIEW OF BATTERY



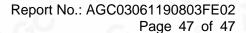
INTERNAL VIEW OF EUT-1





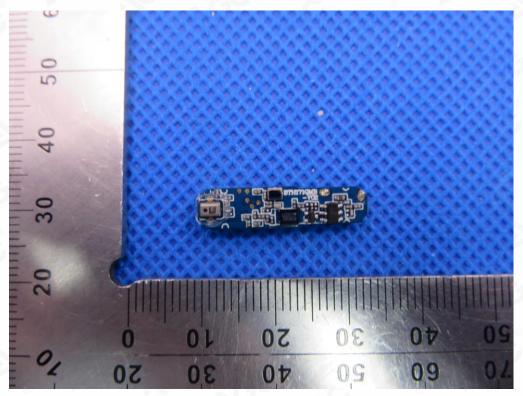
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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,

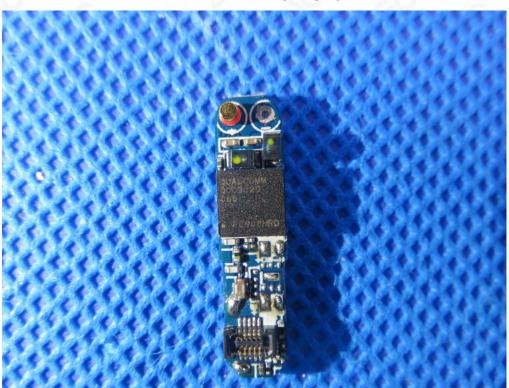




INTERNAL VIEW OF EUT-2



INTERNAL VIEW OF EUT-3



----END OF REPORT----



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