

# FCC Test Report FCC ID: 2ALTX-IOTW15A28-1

**Product:** IoT Wearable A15-1

Trade Mark: TrekStor

Model Number: IOTW15A28-1

Serial Model: N/A

**Report No.**: NTEK-2017NT03212116F5

## Prepared for

TrekStor GmbH
Berliner Ring 7, 64625 Bensheim, Germany

## Prepared by

NTEK Testing Technology Co., Ltd.

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

Tel.: +86-755-6115 6588 Fax.: +86-755-6115 6599 Website:http://www.ntek.org.cn



Applicant's name .....: TrekStor GmbH

Report No.: NTEK-2017NT03212116F5

# **TEST RESULT CERTIFICATION**

Address Berliner Rin	g 7, 64625 Bensheim, Germany
Manufacturer's Name: Bluebank Co	ommunication Technology Co.Ltd
Address: No. 13-2, Jia	ang Ying Road, Nan An District, Chongqing, P.R. China
Product description	
Product name IoT Wearal	ble A15-1
Model and/or type reference : IOTW15A2	28-1
Standards FCC Part1:	5B:Apr 11.2017 4:2014
	red by NTEK, and the test results show that the ce with Part 15 of FCC Rules. And it is applicable only to
·	in full, without the written approval of NTEK, this EK, personnel only, and shall be noted in the revision of
Date (s) of performance of tests:	21 Mar. 2017 ~ 12 Apr. 2017
Date of Issue:	12 Apr. 2017
Test Result:	Pass
Testing Engineer :	(Allen Liu)
Technical Manager :	(Jason Chen)
Authorized Signatory:	Sam. Chew (Sam Chen)
	(Salli Gliell)



Table of Contents	Page
1 . TEST SUMMARY	4
1.1 TEST FACILITY	5
1.2 MEASUREMENT UNCERTAINTY	5
2 . GENERAL INFORMATION	6
2.1 GENERAL DESCRIPTION OF EUT	6
2.2 DESCRIPTION OF TEST SETUP	8
2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL	9
2.4 MEASUREMENT INSTRUMENTS LIST	10
3 . EMC EMISSION TEST	11
3.1 CONDUCTED EMISSION MEASUREMENT	11
3.1.1 POWER LINE CONDUCTED EMISSION	11
3.1.2 TEST PROCEDURE 3.1.3 TEST SETUP	12 12
3.1.4 EUT OPERATING CONDITIONS	12
3.1.5 TEST RESULTS	13
3.2 RADIATED EMISSION MEASUREMENT	17
3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	17
3.2.2 TEST PROCEDURE	17
3.2.3 TEST SETUP	18
3.2.4 TEST RESULTS	19
3.2.5 TEST RESULTS(1000~6000MHz)	21
4 . EUT TEST PHOTO	22



# 1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission						
Standard	Test Item	Limit	Judgment	Remark		
FCC Part15B:2014 ANSI C63.4: 2014	Conducted Emission	Class B	PASS			
	Radiated Emission	Class B	PASS			

# NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report
- (2) For client's request and manual description, the test will not be executed.



#### 1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd

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

FCC Registration Number:238937; IC Registration Number:9270A-1

CNAS Registration Number:L5516

## 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $\mathbf{y} \pm \mathbf{U}$ , where expended uncertainty  $\mathbf{U}$  is based on a standard uncertainty multiplied by a coverage factor of  $\mathbf{k=2}$ , providing a level of confidence of approximately 95 %.

#### A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKC01	ANSI	150 KHz ~ 30MHz	3.2	

#### B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKA01	ANSI	30MHz ~ 1000MHz	4.7	
		1GHz ~12.4GHz	5.0	



# 2. GENERAL INFORMATION

# 2.1 GENERAL DESCRIPTION OF EUT

Equipment	IoT Wearable A15-1				
Trade Mark	TrekStor				
Model Name	IOTW15A28-1				
Serial Model	N/A				
Model Difference	N/A				
Product Description	The EUT is a IoT Wearable A15-1.  Connecting I/O port: USB, DC in Operation Frequency: BT:2402~2480 MHz WIFI:802.11b/g/n(20MHz): 2412~2462MHz NFC: 13.56MHz  Modulation Type: BT(1Mbps)/BLE: GFSK BT EDR(2Mbps): \(\pi\)/4-DQPSK BT EDR(3Mbps): 8-DPSK IEEE 802.11b: DSSS (CCK, QPSK, DBPSK)				
		IEEE 802.11g/n (HT20) : OFDM (64QAM, 16QAM, QPSK, BPSK) NFC: ASK			
Power Source	DC Voltage: DC 3 8V from	n Battery or DC 5V from USB Port			
Adapter	DC Voltage: DC 3.8V from Battery or DC 5V from USB Port.  N/A				
Battery	DC 3.8V, 450mAh				
HW Version	Watch M8 B1 0123				
SW Version	01.28.ww39_p3.2015				



#### 2.1.1 DESCRIPTION OF TEST MODES

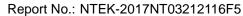
To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration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

Pretest Mode	Description
Mode 1	Connect to PC
Mode 2	REC
Mode 3	BT
Mode 4	WIFI
Mode 5	NFC

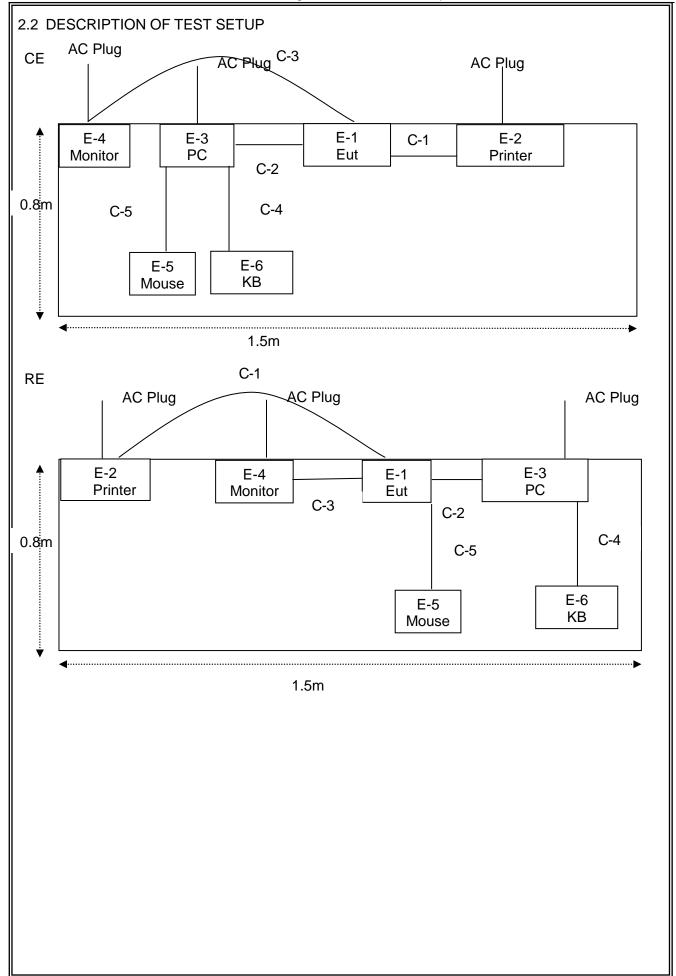
For Conducted Test				
Final Test Mode	Description			
Mode 1	Connect to PC			
Mode 2	REC			
Mode 3	BT			
Mode 4	WIFI			
Mode 5	NFC			

For Radiated Test				
Final Test Mode	Description			
Mode 1	Connect to PC			
Mode 2	REC			
Mode 3	BT			
Mode 4	WIFI			
Mode 5	NFC			

Note: Final Test Mode: Through Pre-scan, find the mode 1 is the worst case. Only the worst case mode is recorded in the report.









## 2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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	Brand	Model/Type No.	Series No.	Note
E-1	IoT Wearable A15-1	TrekStor	IOTW15A28-1	N/A	EUT
E-2	Printer	Canon	L11121E	LBP2900	Peripherals
E-3	PC	DELL	FT4Y23X	34413561645	Peripherals
E-4	Monitor	DELL	IN2020MB	cn-0y6mhx-74261-11f-67 es	Peripherals
E-5	Mouse	DELL	MS111-P	cn-011d3v-71581-11e-1th 7	Peripherals
E-6	KB	DELL	SK-8185	OY526KUS	

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable	NO	NO	1.5m	
C-2	USB Cable	NO	NO	1.5m	
C-3	HDMI Cable	NO	NO	1.0m	
C-4	KB Cable	NO	NO	1.2m	
C-5	Mouse Cable	NO	NO	1.2m	

#### Note:

- (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 <code>[Length\_]</code> column.
- (3) "YES" means "shielded" "with core"; "NO" means "unshielded" "without core".



# 2.4 MEASUREMENT INSTRUMENTS LIST

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibratio n period
1	Spectrum Analyzer	Agilent	E4407B	MY4510804 0	2016.07.06	2017.07.05	1 year
2	Test Receiver	R&S	ESPI	101318	2016.06.07	2017.06.06	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2016.07.06	2017.07.05	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 6	2016.06.07	2017.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2016.06.07	2017.06.06	1 year
6	Horn Antenna	EM	EM-AH-101 80	2011071402	2016.07.06	2017.07.05	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2016.07.06	2017.07.05	1 year
8	Amplifier	EM	EM-30180	060538	2016.07.06	2017.07.05	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2016.06.08	2017.06.07	1 year
10	Power Meter	R&S	NRVS	100696	2016.07.06	2017.07.05	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619. 05	2016.07.06	2017.07.05	1 year
12	Test Cable	N/A	R-01	N/A	2016.07.06	2017.07.05	1 year
13	Test Cable	N/A	R-02	N/A	2016.07.06	2017.07.05	1 year

# Conduction Test equipment

Item	Kind of Equipment	Manufactu rer	Type No.	Serial No.	Last calibration	Calibrated until	Calibratio n period
1	Test Receiver	R&S	ESCI	101160	2016.06.06	2017.06.05	1 year
2	LISN	R&S	ENV216	101313	2016.08.24	2017.08.23	1 year
3	LISN	EMCO	3816/2	00042990	2016.08.24	2017.08.23	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 7	2016.06.07	2017.06.06	1 year
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2016.06.07	2017.06.06	1 year
6	Absorbing clamp	R&S	MOS-21	100423	2016.06.08	2017.06.07	1 year
7	Test Cable	N/A	C01	N/A	2016.06.08	2017.06.07	1 year
8	Test Cable	N/A	C02	N/A	2016.06.08	2017.06.07	1 year
9	Test Cable	N/A	C03	N/A	2016.06.08	2017.06.07	1 year



## 3. EMC EMISSION TEST

## 3.1 CONDUCTED EMISSION MEASUREMENT

# 3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

	Class A (dBuV)		Class B (dBuV)		
FREQUENCY (MHz)	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	
0.50 -5.0	73.00	60.00	56.00	46.00	
5.0 -30.0	73.00	60.00	60.00	50.00	

#### Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

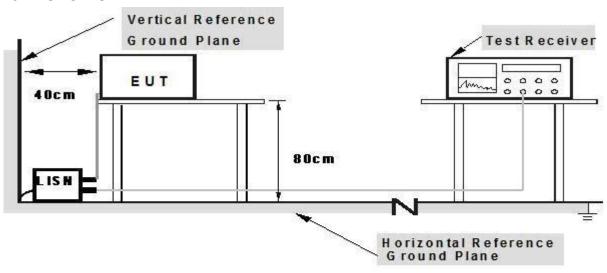
The remaining tensions are detailing or and received	
Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



#### 3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected 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.
- b. 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 40 cm long.
- c. 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.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 3.1.3 TEST SETUP



Note: 1.Support units were connected to second LISM.

2.Both of LISMs (AMM) are 80 cm from EUT and at least 80 from other units and other metal planes

#### 3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

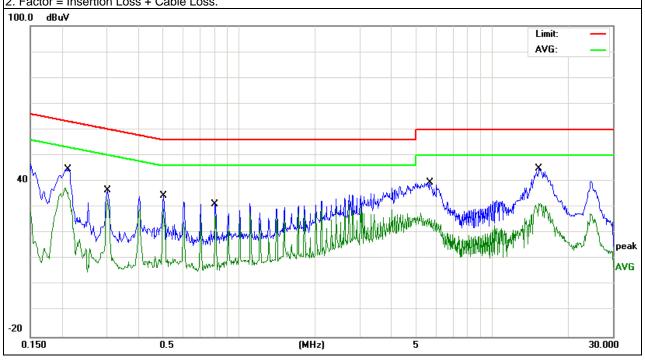


# 3.1.5 TEST RESULTS

EUT:	IoT Wearable A15-1	Model Name. :	IOTW15A28-1		
Temperature:	26 ℃	Relative Humidity:	54%		
Pressure:	1010hPa	Test Date:	2017-3-21		
Test Mode:	Mode 1	Phase :	L		
Test Voltage:	DC 5V from PC AC120V/60Hz				

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.2104	34.63	10.13	44.76	63.19	-18.43	QP
0.2104	15.02	10.13	25.15	53.19	-28.04	AVG
0.3019	26.56	10.12	36.68	60.19	-23.51	QP
0.3019	13.24	10.12	23.36	50.19	-26.83	AVG
0.506	24.36	10.14	34.5	56	-21.5	QP
0.506	14.01	10.14	24.15	46	-21.85	AVG
0.8059	20.89	10.2	31.09	56	-24.91	QP
0.8059	13.46	10.2	23.66	46	-22.34	AVG
5.6897	29.2	10.25	39.45	60	-20.55	QP
5.6897	14.9	10.25	25.15	50	-24.85	AVG
15.3498	34.71	10.34	45.05	60	-14.95	QP
15.3498	13.77	10.34	24.11	50	-25.89	AVG

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

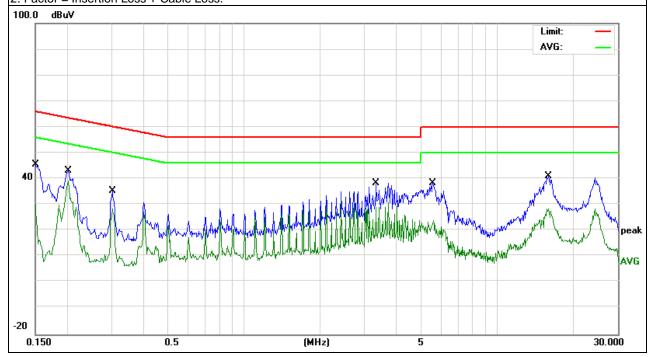


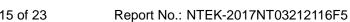


EUT:	IoT Wearable A15-1	Model Name.:	IOTW15A28-1	
Temperature:	<b>26</b> ℃	Relative Humidity:	54%	
Pressure:	1010hPa	Test Date:	2017-3-21	
Test Mode:	Mode 1	Phase:	N	
Test Voltage:	Itage: DC 5V from PC AC120V/60Hz			

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1499	35.3	10.14	45.44	66	-20.56	QP
0.1499	15.3	10.14	25.44	56	-30.56	AVG
0.202	33.12	10.12	43.24	63.52	-20.28	QP
0.202	16.03	10.12	26.15	53.52	-27.37	AVG
0.3019	25.17	10.11	35.28	60.19	-24.91	QP
0.3019	15.47	10.11	25.58	50.19	-24.61	AVG
3.33	28.11	10.21	38.32	56	-17.68	QP
3.33	16.16	10.21	26.37	46	-19.63	AVG
5.5696	28.03	10.24	38.27	60	-21.73	QP
5.5696	11.34	10.24	21.58	50	-28.42	AVG
16.0259	30.77	10.32	41.09	60	-18.91	QP
16.0259	16.37	10.32	26.69	50	-23.31	AVG

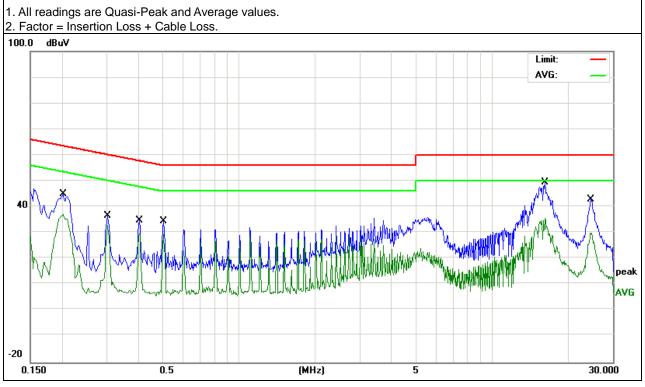
- All readings are Quasi-Peak and Average values.
   Factor = Insertion Loss + Cable Loss.





EUT:	IoT Wearable A15-1	Model Name. :	IOTW15A28-1	
Temperature:	26 ℃	Relative Humidity:	54%	
Pressure:	1010hPa	Test Date:	2017-3-21	
Test Mode:	Mode 1	Phase :	L	
Test Voltage: DC 5V from PC AC240V/60Hz				

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.202	34.68	10.13	44.81	63.52	-18.71	QP
0.202	15.56	10.13	25.69	53.52	-27.83	AVG
0.302	26.56	10.12	36.68	60.19	-23.51	QP
0.302	18.24	10.12	28.36	50.19	-21.83	AVG
0.406	24.57	10.15	34.72	57.73	-23.01	QP
0.406	17	10.15	27.15	47.73	-20.58	AVG
0.506	24.36	10.14	34.5	56	-21.5	QP
0.506	16.31	10.14	26.45	46	-19.55	AVG
16.1499	39.01	10.35	49.36	60	-10.64	QP
16.1499	19.67	10.35	30.02	50	-19.98	AVG
24.61	32.3	10.4	42.7	60	-17.3	QP
24.61	18.29	10.4	28.69	50	-21.31	AVG

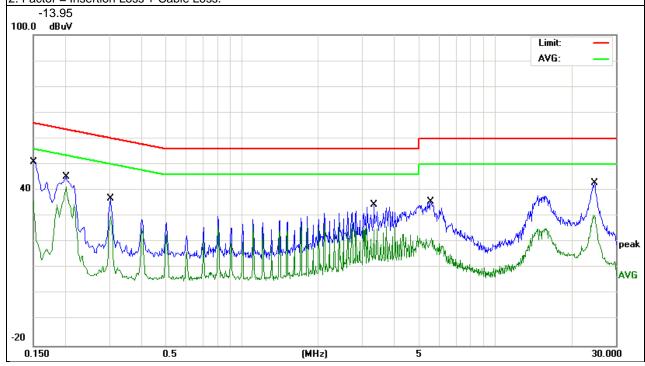




EUT:	IoT Wearable A15-1	Model Name.:	IOTW15A28-1	
Temperature:	26 ℃	Relative Humidity:	54%	
Pressure:	1010hPa	Test Date:	2017-3-21	
Test Mode:	Mode 1	Phase :	N	
Test Voltage: DC 5V from PC AC240V/60Hz				

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1499	40.8	10.14	50.94	66	-15.06	QP
0.1499	25.52	10.14	35.66	56	-20.34	AVG
0.202	35.12	10.12	45.24	63.52	-18.28	QP
0.202	20.09	10.12	30.21	53.52	-23.31	AVG
0.3019	26.67	10.11	36.78	60.19	-23.41	QP
0.3019	16.58	10.11	26.69	50.19	-23.5	AVG
3.33	24.11	10.21	34.32	56	-21.68	QP
3.33	17.94	10.21	28.15	46	-17.85	AVG
5.5698	25.53	10.24	35.77	60	-24.23	QP
5.5698	16.5	10.24	26.74	50	-23.26	AVG
24.6818	32.35	10.37	42.72	60	-17.28	QP
24.6818	16.74	10.37	27.11	50	-22.89	AVG

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





#### 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)	
PREQUENCY (MINZ)	dBuV/m	dBuV/m	
30 ~ 88	39.0	40.0	
88 ~ 216	43.5	43.5	
216 ~ 960	46.5	46.0	
Above 960	49.5	54.0	

#### Notes:

- (1) The limit for radiated test was performed according to as following: FCC PART 15B /ICES-003.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

#### 3.2.2 TEST PROCEDURE

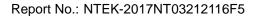
#### Test Arrangement for Radiated Emissions up to 1 GHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited test facility. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for quasi-peak detection (QP) at frequency below 1GHz.

#### Test Arrangement for Radiated Emissions above 1 GHz.

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.





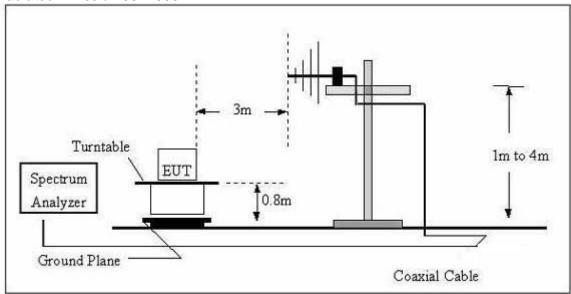
Note: For the hand-held device, the EUT should be measured for all 3 axes and only the worst case is recorded in the report

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

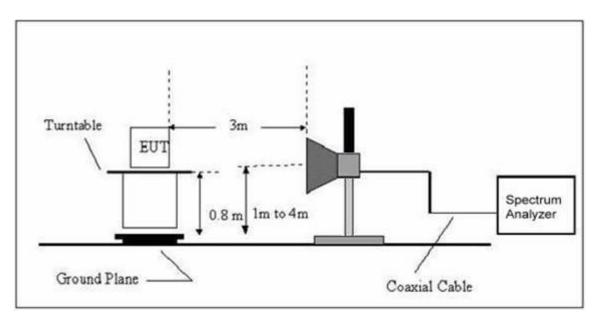
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth	
30 to 1000 QP		120 kHz	300 kHz	
	Peak	1 MHz	1 MHz	
Above 1000	Avg	1 MHz	10 Hz	

#### 3.2.3 TEST SETUP

For Radiated Emission 30~1000MHz



# (B) Radiated Emission Test Set-Up Frequency Above 1GHz





# 3.2.4 TEST RESULTS

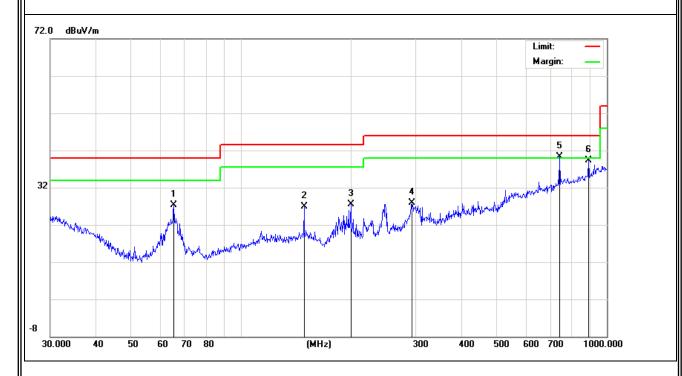
# TEST RESULTS (30~1000 MHz)

	,		
EUT:	IoT Wearable A15-1	Model Name:	IOTW15A28-1
Temperature:	<b>24</b> °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2017-3-21
Test Mode:	Mode 1	Polarization:	Horizontal
Test Power:	DC 5V from PC AC120V/60Hz		

Polar (H/V) H H H H	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	65.3432	20.99	6.41	27.4	40	-12.6	QP
Н	148.441	13.89	13.04	26.93	43.5	-16.57	QP
Н	199.2855	17.26	10.28	27.54	43.5	-15.96	QP
Η	293.0842	11.82	16.11	27.93	46	-18.07	QP
Н	742.2587	13.04	27.34	40.38	46	-5.62	QP
Н	890.7278	9.91	29.32	39.23	46	-6.77	QP

## Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



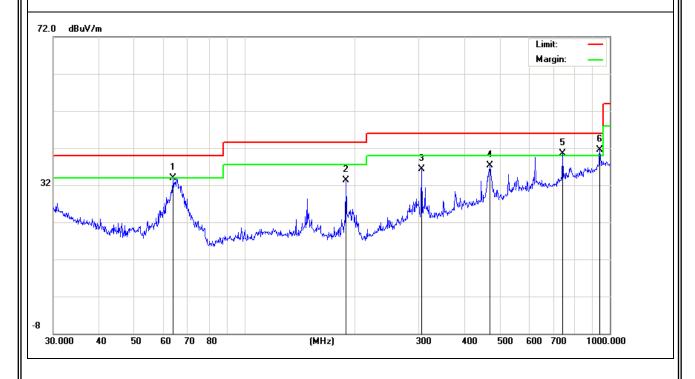


EUT:	IoT Wearable A15-1	Model Name :	IOTW15A28-1
Temperature:	<b>24</b> ℃	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2017-3-21
Test Mode:	Mode 1	Polarization:	Vertical
Test Power:	DC 5V from PC AC120V/6	0Hz	

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	63.7588	27.54	6.34	33.88	40	-6.12	QP
V	189.7385	22.71	10.53	33.24	43.5	-10.26	QP
V	305.68	19.84	16.46	36.3	46	-9.7	QP
V	470.5231	16.23	21.09	37.32	46	-8.68	QP
V	742.2587	13.16	27.34	40.5	46	-5.5	QP
V	938.8325	10.61	30.97	41.58	46	-4.42	QP

# Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.





3.2.5 TEST RESULTS(1000~6000MHz)

EUT:	IoT Wearable A15-1	Model Name :	IOTW15A28-1		
Temperature:	<b>24</b> ℃	Relative Humidity:	54%		
Pressure:	1010 hPa	Test Date :	2017-3-21		
Test Mode:	Mode 1				
Test Power:	DC 5V from PC AC120V/60Hz				

All the modulation modes have been tested, and the worst result was report as below:

Polar (H/V)	Frequenc y	Reading	Correc t	Result	Limit	Over Limit	Remar k
	(MHz)	(dBuV/m	dB/m	(dBuV/m	(dBuV/m	(dB)	
V	1487.33	60.22	-9.27	50.95	74	-23.1	Pk
V	1487.33	47.45	-9.27	38.18	54	-15.8	AV
V	2869.12	55.35	-6.98	48.37	74	-25.6	Pk
V	2869.12	44.12	-6.98	37.14	54	-16.9	AV
V	3744.14	59.05	-7.54	51.51	74	-22.5	Pk
V	2744.14	42.44	-7.54	34.9	54	-19.1	AV
Н	1566.87	57.25	-10.8	46.5	74	-27.5	Pk
Н	1566.87	42.02	-10.8	31.27	54	-22.7	AV
Н	2715.7	63.36	-9.63	53.73	74	-20.3	Pk
Н	2715.7	50.44	-9.63	40.81	54	-13.2	AV
Н	3844.3	56.55	-6.24	50.31	74	-23.7	Pk
Н	3844.3	41.24	-6.24	35	54	-19	AV

Remark:

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit Note: Only the worst results data points are reported in the report.



# 4. EUT TEST PHOTO



