

Report No.:	TW2412173-02E		
Applicant:	American Technology Network Corp		
Product:	ATN X-Sight 5		
Model No.:	X-Sight 3-15x LRF, 5-25x LRF, 3-15x, 5-25x		
Trademark:	N/A		
Test Standards:	FCC Part 15.249		
Test result:	It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10 &FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of electromagnetic compatibility		

Approved By

Term lan

Terry Tang

Manager

Dated:

January 09, 2025

Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at

# SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



## **Special Statement:**

## FCC-Registration No.: 744189

The 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.: 744189.

## Industry Canada (IC) — Registration No.: 5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

## A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

## CAB identifier: CN0033

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#### 1.0 General Details

1.1 Test Lab Details

Name:	SHENZHEN TIMEWAY TESTING LABORATORIES.
Address:	Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le
	Village, Nanshan District, Shenzhen, China
Telephone:	(755) 83448688
Fax:	(755) 83442996
Site on File v	with the Federal Communications Commission – United Sates
Registration	Number: 744189
For 3m Anec	hoic Chamber

#### 1.2 Applicant Details

Applicant:	American Technology Network Corp
Address:	$2400\ \text{NW}$ 95th Avenue, Doral, FL $33172\ \text{United}$ States

### 1.3 Description of EUT

1	
Product:	ATN X-Sight 5
Manufacturer:	WUHAN CHANGJIANG OPTICS ELECTRON CO., LTD.
Address:	PANLONG CHENG ECONOMIC DEVELOPMENT DISTRICT WUHAN
	CITY, HUBEI PROVINCE, CHINA
Trademark:	N/A
Additional Trademark:	N/A
Model Number:	X-Sight 3-15x LRF
Additional Model Name	5-25x LRF, 3-15x, 5-25x
Rating:	DC5V, 1A
Battery:	DC3.7V, 1050mAh Li-ion battery
Modulation Type:	GFSK (Bluetooth Low Energy)
<b>Operation Frequency:</b>	2402-2480MHz
Channel Separate:	2MHz
Channel Number:	40
Antenna Designation	Chip antenna with gain 2.1dBi Max (Get from the antenna specification)

#### 1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2024-12-16 to 2025-01-08

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1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB Radiated Emissions below 1GHz Uncertainty =4.7dB Radiated Emissions above 1GHz Uncertainty =6.0dB Conducted Power Uncertainty =6.0dB Occupied Channel Bandwidth Uncertainty =5% Conducted Emissions Uncertainty =3.6dB Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

Andy - Xing

The sample tested by

Print Name: Terry Tang

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100253	2024-07-12	2025-07-11
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2024-07-12	2025-07-11
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2024-07-12	2025-07-11
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2025-07-17
Power meter	Anritsu	ML2487A	6K00003613	2024-07-12	2025-07-11
Power sensor	Anritsu	MA2491A	32263	2024-07-12	2025-07-11
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic			N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2024-07-12	2025-07-11
EMI Test Receiver	RS	ESCS 30	834115/006	2024-07-12	2025-07-11
Spectrum	HP/Agilent	E4407B	MY50441392	2024-07-12	2025-07-11
Spectrum	RS	FSP	1164.4391.38	2024-07-12	2025-07-11
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2024-07-12	2025-07-11
RF Cable	Zhengdi	7m		2024-07-12	2025-07-11
Pre-Amplifier	Schwarebeck	BBV9743	#218	2024-07-12	2025-07-11
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2024-07-12	2025-07-11
LISN	SCHAFFNER	NNB42	00012	2024-07-12	2025-07-11
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11

#### 2.2 Automation Test Software

For Conducted Emission Test

Name	Version	
EZ-EMC	Ver.EMC-CON 3A1.1	

#### For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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The EUT has been tested according to the following specifications:

#### **3.0** Technical Details

#### 3.1 Summary of test results

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies

#### **3.2** Test Standards

FCC Part 15 Subpart C, Paragraph 15.249 , ANSI C63.4 :2014 and ANSI C63.10 :2013

#### 4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

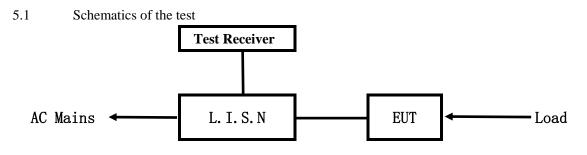
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### 5. Power Line Conducted Emission Test



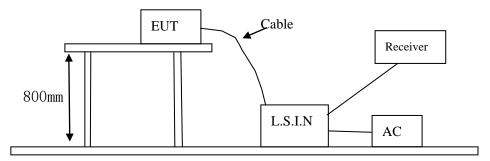
EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 500hm/50uH as specified by section 5.1 of ANSI C63.10-2013.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below. 40 channels are provided to the EUT

Device	Manufacturer	Model	FCC ID
ATN X-Sight 5	WUHAN CHANGJIANG OPTICS ELECTRON CO., LTD.	X-Sight 3-15x LRF, 5-25x LRF, 3-15x, 5-25x	2BKIH-XS5

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#### B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

#### C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	Xiaomi	MDY-12-EF	Input: 100-240V~, 1.7A, 50/60Hz;
			Output: DC5-20V, 6.2-3.25A (67W
			Maximum)

#### 5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

### 5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (d	lΒ μ V)
(MHz)	Quasi-peak Level	Average Level
$0.15~\sim~0.50$	66.0~56.0*	56.0~46.0*
$0.50~\sim~5.00$	56.0	46.0
$5.00 \sim 30.00$	60.0	50.0

Notes: 1. \*Decreasing linearly with logarithm of frequency.

2. The tighter limit shall apply at the transition frequencies

#### 5.6 Test Results:

Pass

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A: Conducted Emission on Live Terminal (150kHz to 30MHz) **EUT Operating Environment** Humidity: 65%RH Atmospheric Pressure: 101 kPa Temperature: 25℃ EUT set Condition: Charging and Communication by BT **Results: Pass** Please refer to following diagram for individual dBu¥ 80.0 70 FCC Part15 CE-Class B\_QP 60 FCC Part 15 CE-Class B AV 50 40 30 MAN neak 20 AVG 10 0 -10 -20 0.150 (MHz) 30.000 Frequency Reading Factor Level Limit Margin Detector P/F No. (MHz) (dBuV) (dB) (dBuV) (dBuV) (dB) 0.1929 30.30 10.32 40.62 63.91 -23.29 QP Ρ 1 2 Ρ 0.1929 16.02 10.32 26.34 53.91 -27.57 AVG 3 1.4370 22.02 10.86 32.88 56.00 -23.12 QP Ρ 1.4370 16.28 10.86 27.14 -18.86 Ρ 4 46.00 AVG 5 7.1067 21.70 12.87 34.57 60.00 -25.43 QP Ρ 7.1067 27.06 Ρ 6 14.19 12.87 50.00 -22.94 AVG 7 Ρ 21.9969 18.39 16.00 34.39 60.00 -25.61 QP

The report refers only to the sample tested and does not apply to the bulk.

10.51

16.00

26.51

50.00

-23.49

AVG

Ρ

21.9969

8

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**B**: Conducted Emission on Neutral Terminal (150kHz to 30MHz) **EUT Operating Environment** Atmospheric Pressure: 101 kPa Temperature: 25℃ Humidity: 65%RH EUT set Condition: Charging and Communication by BT **Results: Pass** Please refer to following diagram for individual dBu¥ 80.0 70 FCC Part15 CE-Class B\_QP 60 FCC Part 5 CE-Class B\_AV 50 40 7× 30 neak 20 AVG 10 0 -10 -20 0.150 (MHz) 30.000 Frequency Reading Factor Level Limit Margin Detector P/F No. (MHz) (dBuV) (dB)(dBuV) (dBuV) (dB)0.1929 10.32 41.51 -22.40 QP Ρ 1 31.19 63.91 2 0.1929 17.75 10.32 28.07 53.91 -25.84 AVG Ρ 3 0.5946 14.81 10.43 25.24 56.00 -30.76 QP Ρ 4 0.5946 5.48 10.43 15.91 46.00 -30.09 AVG Ρ 5 4.2870 12.11 28.72 QP Ρ 16.61 56.00 -27.28 6 4.2870 8.28 12.11 Ρ 20.39 46.00 -25.61 AVG

The report refers only to the sample tested and does not apply to the bulk.

22.0944

22.0944

7

8

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15.98

15.98

18.19

9.24

34.17

25.22

60.00

50.00

-25.83

-24.78

QP

AVG

Ρ

Ρ

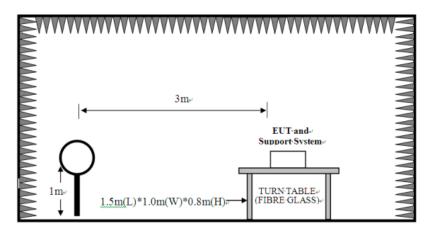


#### 6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz (Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz). Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization: Vertical polarization and Horizontal polarization.

### Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz

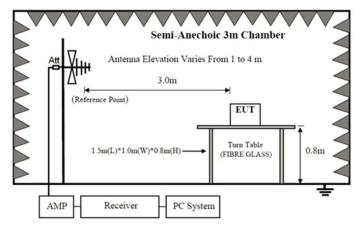


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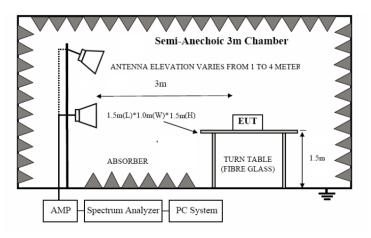
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT Same as section 5.3 of this report
- 6.3 EUT Operating Condition Same as section 5.4 of this report.

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### 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

#### A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency	Field Stre	ength of Fundame	ntal (3m)	Field St	trength of Harmo	nics (3m)
(MHz)	mV/m	dBu	V/m	uV/m	dBu	V/m
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)

Note: 1. RF Field Strength  $(dBuV) = 20 \log RF$  Voltage (uV)

2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

### B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

1	I I	
Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ V/m)
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.70	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note: 1. RF Voltage  $(dBuV) = 20 \log RF$  Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.

5. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.

6. Battery full charged during tests.

7. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

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## 6.5 Test result

### A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2402MHz

#### Horizontal

(MHz)

2402

1

(dBuV/m)

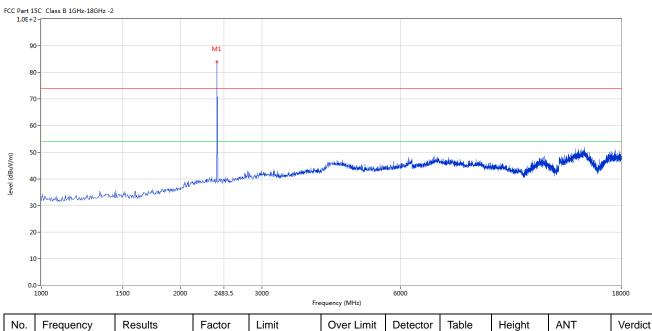
83.94

(dB)

-3.57

(dBuV/m)

114.0



(dB)

-30.06

(0)

100.00

Peak

(cm)

100

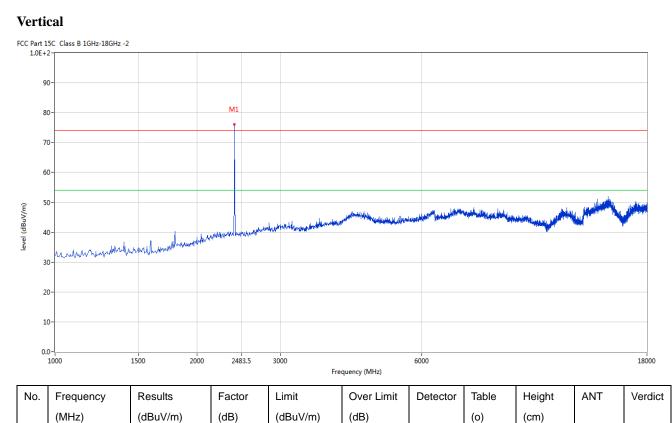
Horizontal

Pass

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-37.92

Peak

322.00

100

Vertical

Pass

The report refers only to the sample tested and does not apply to the bulk.

76.08

-3.57

114.0

1

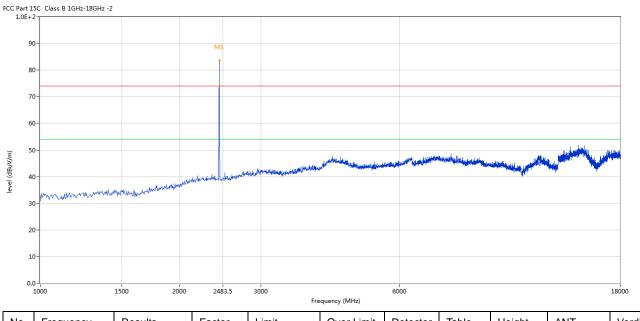
2402

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### Please refer to the following test plots for details: Middle Channel-2440MHz

#### Horizontal

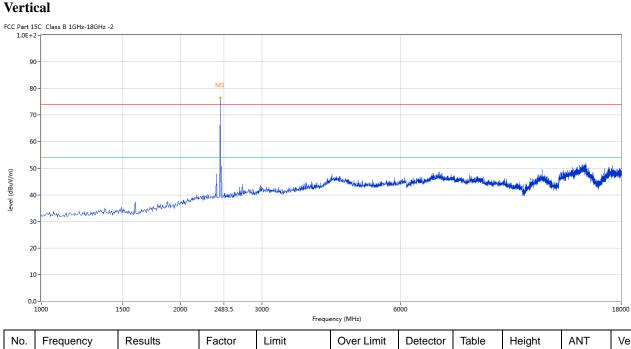


No	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	83.59	-3.57	114.0	-30.41	Peak	105.00	100	Horizontal	Pass

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	76.53	-3.57	114.0	-37.47	Peak	47.00	100	Vertical	Pass

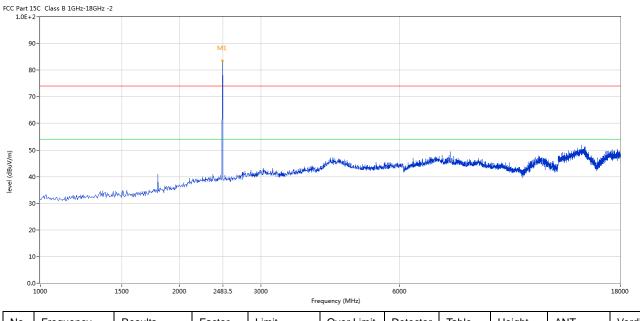
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### Please refer to the following test plots for details: High Channel-2480MHz

#### Horizontal

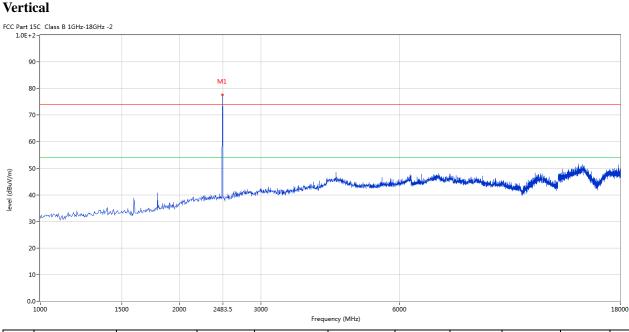


No	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	83.48	-3.57	114.0	-30.52	Peak	106.00	100	Horizontal	Pass

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	77.67	-3.57	114.0	-36.33	Peak	244.00	100	Vertical	Pass

Note: (2) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

(3) Margin=Emission-Limits

- (4) According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (5) For test purpose, keep EUT continuous transmitting
- (5) For emission above 18GHz and Below 30MHz, It is only the floor noise. No necessary to take down.
- (6) the measured PK value less than the AV limit.

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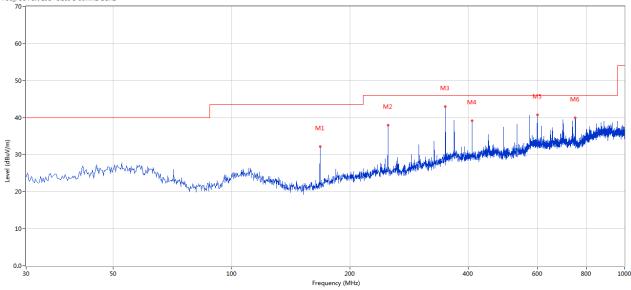
## B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

### Results: Pass

Please refer to following diagram for individual

FCC\_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	167.948	32.11	-9.30	43.5	11.39	Peak	292.00	100	Horizontal	Pass
2	250.135	37.92	-5.03	46.0	8.08	Peak	289.00	100	Horizontal	Pass
3	350.020	42.95	-2.45	46.0	3.05	Peak	267.00	100	Horizontal	Pass
4	409.660	39.11	-1.06	46.0	6.89	Peak	100.00	100	Horizontal	Pass
5	599.975	40.73	1.61	46.0	5.27	Peak	37.00	100	Horizontal	Pass
6	749.803	39.92	2.01	46.0	6.08	Peak	328.00	100	Horizontal	Pass

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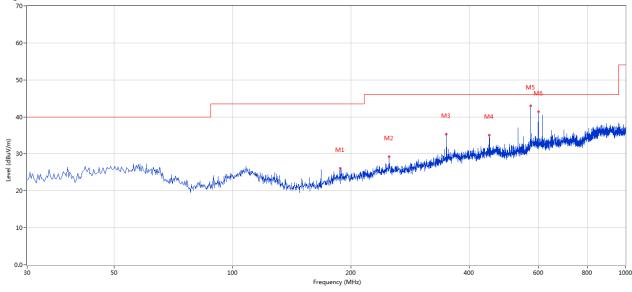
#### Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

#### Results: Pass

#### Please refer to following diagram for individual

FCC\_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	187.828	26.13	-7.32	43.5	17.37	Peak	12.00	100	Vertical	Pass
2	250.135	29.29	-5.03	46.0	16.71	Peak	0.00	100	Vertical	Pass
3	350.020	35.39	-2.45	46.0	10.61	Peak	135.00	100	Vertical	Pass
4	449.905	35.04	-0.89	46.0	10.96	Peak	307.00	100	Vertical	Pass
5	573.549	43.03	1.08	46.0	2.97	Peak	8.00	100	Vertical	Pass
6	599.975	41.35	1.61	46.0	4.65	Peak	2.00	100	Vertical	Pass

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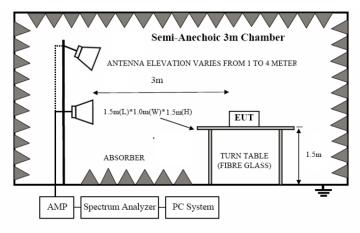


### 7. Band Edge

### 7.1 Test Method and test Procedure:

- The EUT was tested according to ANSI C63.10–2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

### 7.2 Radiated Test Setup



For the actual test configuration, please refer to the related items - Photos of Testing

### 7.3 Configuration of the EUT

Same as section 5.3 of this report

### 7.4 EUT Operating Condition

Same as section 5.4 of this report.

### 7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least

50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

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#### 7.6 Test Result

-	Product:		ATN X-Sig	ght 5	Po	larity		Hor	rizontal	
	Mode	Kee	eping Trans	smitting	Test	Voltage		D	C3.7V	
Te	mperature		24 deg. (	C,	Hu	midity		56	% RH	
Te	est Result:		Pass							
C Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								_
g	10-							M1		
8								M	٩	
7	-0-								1	
6	i0 -									
								M2		_
5	i0 -					M4 M5	5	July -	N.	
						T 1 T		. 11 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	N.	
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3 2 1 0. NO.	(MHz)	Results (dBuV/m)	Factor (dB)	Fr Limit (dBuV/m)	equency (MHz) Over Limit (dB)	Detector	(o)	(cm)	ANT	2410 Verdie
3 2 1 0 No.	(MH4/4/	Results (dBuV/m) 82.96	Factor (dB) -3.57	Fr Limit (dBuV/m) 74.0	equency (MHz) Over Limit (dB) 8.96	Detector Peak	(o) 163.00	(cm) 100	ANT Horizontal	2410 Verdie N/A
3 2 1 0 No. 1 2 2**	Image: Window Construction	Results (dBuV/m) 82.96 59.86	Factor (dB) -3.57 -3.57	Fr Limit (dBuV/m) 74.0 74.0	equency (MHz) Over Limit (dB) 8.96 -14.14	Detector Peak Peak	(o) 163.00 157.00	(cm) 100 100	ANT Horizontal Horizontal	2410 Verdi N/A Pass
3 2 1 0 No.	Image: Window Constraints     Image: Window Const     Image: Window Const <t< td=""><td>Results (dBuV/m) 82.96 59.86 49.76</td><td>Factor (dB) -3.57 -3.57 -3.57</td><td>Fr Limit (dBuV/m) 74.0 74.0 54.0</td><td>equency (MHz) Over Limit (dB) 8.96 -14.14 -4.24</td><td>Detector Peak Peak AV</td><td>(o) 163.00 157.00 157.00</td><td>(cm) 100 100 100</td><td>ANT Horizontal Horizontal Horizontal</td><td>2410 Verdia N/A Pass Pass</td></t<>	Results (dBuV/m) 82.96 59.86 49.76	Factor (dB) -3.57 -3.57 -3.57	Fr Limit (dBuV/m) 74.0 74.0 54.0	equency (MHz) Over Limit (dB) 8.96 -14.14 -4.24	Detector Peak Peak AV	(o) 163.00 157.00 157.00	(cm) 100 100 100	ANT Horizontal Horizontal Horizontal	2410 Verdia N/A Pass Pass

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]	Product:		ATN X-Si	ght 5	Det	tector		Ver	tical	
	Mode	Ke	eping Tran	smitting	Test	Voltage		DC	3.7V	
Te	mperature		24 deg.	C,	Hur	nidity		56%	6 RH	
Te	est Result:		Pass							
C Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								
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8	30 -							м	1	
7	70-							ſ	"N	
6	50 -								l,	
						M4	M5 M6	/		
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3 2 0. No.	radiantity for a second	(dBuV/m)	(dB)	F Limit (dBuV/m)	requency (MHz) Over Limit (dB)	Detector	(o)	(cm)	ANT	2410 Verdic
3 2 1 0. No.	requency (MHz) 2401.707	(dBuV/m) 75.47	(dB) -3.57	Limit (dBuV/m) 74.0	requency (MHz) Over Limit (dB) 1.47	Detector Peak	(o) 49.00	(cm) 100	ANT	2410 Verdic
3 2 1 0. No. 1 2 2**	International Action (MHz)     2400.027	(dBuV/m) 75.47 53.57	(dB) -3.57 -3.57	Limit (dBuV/m) 74.0 74.0	requency (MHz) Over Limit (dB) 1.47 -20.43	Detector Peak Peak	(o) 49.00 43.00	(cm) 100 100	ANT Vertical Vertical	2410 Verdic N/A Pass
3 2 1 0. No. 1 2 2** 3	International distribution     10- <tr< td=""><td>(dBuV/m) 75.47 53.57 43.51</td><td>(dB) -3.57 -3.57 -3.57</td><td>Limit (dBuV/m) 74.0 74.0 54.0</td><td>requency (MHz) Over Limit (dB) 1.47 -20.43 -10.49</td><td>Detector Peak Peak AV</td><td>(o) 49.00 43.00 43.00</td><td>(cm) 100 100 100</td><td>ANT Vertical Vertical</td><td>2410 Verdic N/A Pass Pass</td></tr<>	(dBuV/m) 75.47 53.57 43.51	(dB) -3.57 -3.57 -3.57	Limit (dBuV/m) 74.0 74.0 54.0	requency (MHz) Over Limit (dB) 1.47 -20.43 -10.49	Detector Peak Peak AV	(o) 49.00 43.00 43.00	(cm) 100 100 100	ANT Vertical Vertical	2410 Verdic N/A Pass Pass
3 2 1	Frequency (MHz) 2400.027 2400.027 2390.025	(dBuV/m) 75.47 53.57 43.51 37.74	(dB) -3.57 -3.57 -3.57 -3.53	Limit (dBuV/m) 74.0 74.0 54.0 74.0	requency (MHz) Over Limit (dB) 1.47 -20.43 -10.49 -36.26	Detector Peak Peak AV Peak	(o) 49.00 43.00 43.00 95.00	(cm) 100 100 100 100	ANT Vertical Vertical Vertical Vertical	2410 Verdic N/A Pass Pass Pass

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	Product:		ATN X-S	Sight 5		Polarity		Н	orizontal	
	Mode	K	eeping Tra	ansmitting	Т	est Voltag	e	Ι	DC3.7V	
Te	emperature		24 deg	g. C,		Humidity		5	6% RH	
Te	est Result:		Pas	s						
CC Part 1.0E+	15C Class B 1GHz-18GHz	-2								
	90-									
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level (dBuV/m	40			2483.		neperiadosidadese deservados	nanathlichternand	inginess Halon and the operations	these or bit in a second disciplina of a second disciplina of a second disciplina of a second disciplina of a s	2500
level (dBuV/m	40	Results	Factor	2483.	5	Detector	Table	Height	ANT	
level (dBuV/m	40	Results (dBuV/m)	Factor (dB)	1	5 Frequency (MHz)					2500
level (dBuV/m	10			Limit	5 Frequency (MHz) Over		Table	Height		2500

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	Product:		ATN X-Si	ight 5	De	etector		Ver	tical	
	Mode	Ke	eping Tran	smitting	Test	Voltage		DC	3.7V	
Te	emperature		24 deg.	С,	Hu	imidity		56%	6 RH	
Te	est Result:		Pass							
CC Part 1.0E	15C Class B 1GHz-18GHz +2-	-2					•			
9	90 -									
;	80-		M1							
	70-		M	nn						
	60-		- A							
[	50-		A							
	40	- town different and a feature a	W	M M2	Morrowsbandski skovetka jako	salajahhis ikka baalid		ty and the later second states at	heir tearta aibh an bh da gtach bh	nyaintaa madamay kutaa
		an team and the state of the st	M	M2	Moronal barrieri kalente kunnek	n de jedylyte i kredist	inen ha verkende det	ly og de la litter og stad sod	na fa i shi na he se i shi	nyarik <del>a saliy</del> iny. Infar
	40		N	1 M 2	Mooreelanderichen der sie	saarjabiliyy is ha biraliki	unu lai regla mene del	h and to be a social so	n staat die de kaar die het die die kaar die het die	iyyarka vendiyi ay birgin
	40- 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 309	- Jose Mildley Journal of	W	1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	Moorelander, ik	nskaladolji, in hanskalde	nan hit yeş banara dişi	k, artala ka kita kari sala sa	na strai hushab natika hushab	iyyarika caliyotyi
	40	enteren ställetet för syndradiset	M	M2	Moonelouristelevelouvel	nala jabiya mika sa a ki	sour la regla parte del	ty open to have a solution of	ne stadie altige and a list	naile-relificities
	40- 	andreas and the state of the st		2483.5		nala jeliju, u konstruije		ly, age of the later of a grade of	homoluddaethol	
	40	Results	Factor	2483.5		Detector	Table	Height	ANT	250
	40		Factor (dB)	2483.5	requency (MHz)			1		250
ievel (abuv/m	40- 10- 2470 Frequency	Results		2483.5 Limit	Frequency (MHz)		Table	Height		250 Verdic

Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

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#### 8.0 Antenna Requirement

#### **Applicable Standard**

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 shall be considered sufficient to comply with the provisions of this section.

This product has a Chip antenna with gain 2.1dBi maximum. It fulfills the requirement of this section. Test Result: Pass

The report refers only to the sample tested and does not apply to the bulk.

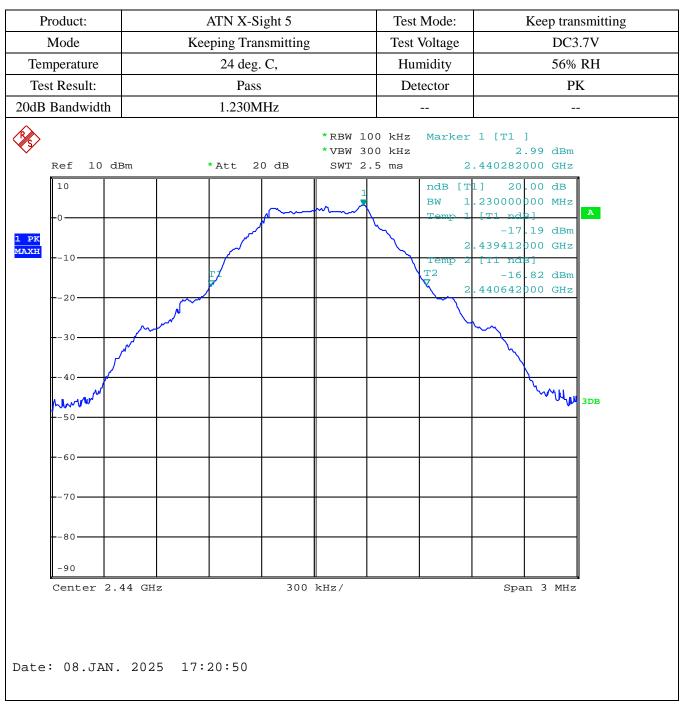
This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Product:	ATN X-Sight 5	Test Mode:	Keep transmitting			
Mode	Keeping Transmittin					
Temperature	24 deg. C,					
Test Result:	Pass	Detector	РК			
20dB Bandwidth	1.230MHz					
Ref 10 di		* RBW 100 * VBW 300 SWT 2.5 1 1 1 1 1 1 1 1 1 1 1 1 1	kHz Marker 1 kHz ms 2.4 ndB [T1] BW 1.2 Temp 1 [ 2.4 Temp 2 [ T2	[T1] 2.94 dBm 02276000 GHz		
70						
80						
-90						
Center 2.	402 GHz 300	· · ·	Span 3 MHz			

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#### 10.0 FCC ID Label

### FCC ID: 2BKIH-XS5

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the

Mark Location:

equipment not be readily detachable.



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#### 11.0 Photo of testing

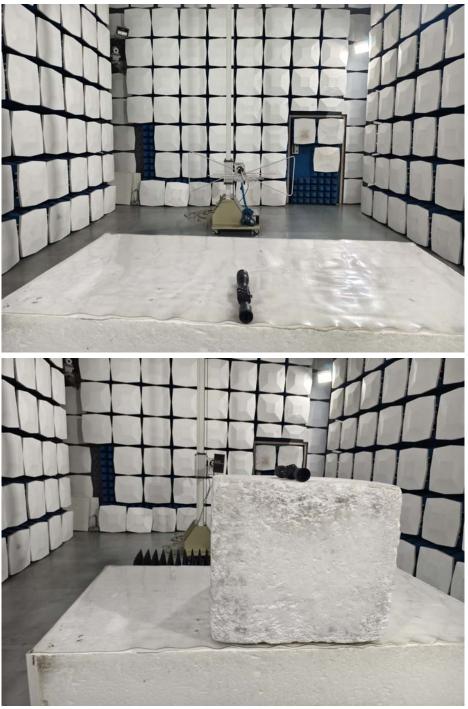
11.1 Conducted test View--



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Radiated emission test view



#### **Photographs – EUT**

Please refer test report TW2412173-01E

### --End of the report--

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