



Report No.: TW2103126E File reference No.: 2021-04-02

Applicant: Shenzhen Neewer Technology Co., Ltd

Product: AE-TTL Trigger

Model No.: AE-TTL

Brand Name: NEEWER

Test Standards: FCC Part 15.249

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.4&FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of

electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: April 02, 2021

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

Report No.: TW2103126E

Date: 2021-04-02



Page 2 of 38

Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

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

31

Report No.: TW2103126E

Date: 2021-04-02



Test Report Conclusion

Content 1.0 General Details 4 4 1.1 Test Lab Details.... 1.2 Applicant Details.... 4 1.3 Description of EUT 1.4 Submitted Sample.... 4 Test Duration. 1.5 5 1.6 5 Test Uncertainty. 1.7 Test By..... 5 2.0 List of Measurement Equipment..... 6 7 3.0 Technical Details..... Summary of Test Results.... 7 3.1 3.2 7 Test Standards.... 4.0 EUT Modification. 7 Power Line Conducted Emission Test. 5.0 5.1 Schematics of the Test. 8 5.2 Test Method and Test Procedure.... 8 5.3 Configuration of the EUT.... 8 9 5.4 EUT Operating Condition... 5.5 Conducted Emission Limit. 9 5.6 Test Result. 6.0 Radiated Emission test.... 10 Test Method and Test Procedure. 6.1 10 6.2 Configuration of the EUT..... 11 EUT Operation Condition. 6.3 11 6.4 Radiated Emission Limit. 11 Test Result.... 6.5 13 7.0 Band Edge.... 21 7.1 Test Method and Test Procedure. 21 7.2 Radiated Test Setup. 21 7.3 Configuration of the EUT..... 21 7.4 EUT Operating Condition.... 21 7.5 Band Edge Limit..... 21 7.6 Band Edge Test Result. 22 8.0 Antenna Requirement. 28 20dB bandwidth measurement. 9.0 31 10.0 30 FCC ID Label.

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

11.0

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Photo of Test Setup and EUT View.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES, reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Report No.: TW2103126E Page 4 of 38

Date: 2021-04-02



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 with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Shenzhen Neewer Technology Co., Ltd

Address: ROOM 1901-1903, Block A, LU SHAN BUILDING NO.3023 CHUNFENGRD LUO HU

DISTRICT, SHENZHEN, GUANGDONG, 518001, CHINA

Telephone: -Fax: --

1.3 Description of EUT

Product: AE-TTL Trigger

Manufacturer: Shenzhen Neewer Technology Co., Ltd

Address: ROOM 1901-1903, Block A, LU SHAN BUILDING NO.3023

CHUNFENGRD LUO HU DISTRICT, SHENZHEN, GUANGDONG,

518001, CHINA

Brand Name: NEEWER
Model Number: AE-TTL
Additional Model Name N/A

Rating: DC3.0V, 2pcs AAA batteries

Modulation Type: FSK

Operation Frequency: 2404-2467MHz

Channel List: 2404MHz, 2435MHz, 2450MHz, 2451MHz, 2452MHz, 2453MHz, 2454MHz,

2455MHz, 2456MHz, 2457MHz, 2458MHz, 2467MHz

Antenna Designation PCB antenna with gain 3.0dBi Max (Get from the antenna specification

provided by the applicant)

1.4 Submitted Sample: 2 Sample

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Report No.: TW2103126E Page 5 of 38

Date: 2021-04-02



1.5 Test Duration

2021-03-11 to 2021-04-02

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

Terry Tang

The sample tested by

Print Name: Terry Tang

Report No.: TW2103126E Page 6 of 38

Date: 2021-04-02



2.0 Test Equipment	2.0 Test Equipment								
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date				
ESPI Test Receiver	R&S	ESPI 3	100379	2020-06-23	2021-06-22				
LISN R&S		EZH3-Z5	100294	2020-06-23	2021-06-22				
LISN	R&S	EZH3-Z5	100253	2020-06-23	2021-06-22				
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2020-06-23	2021-06-22				
Loop Antenna	EMCO	6507	00078608	2018-06-25	2021-06-24				
Spectrum	R&S	FSIQ26	100292	2020-06-23	2021-06-22				
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2020-06-23	2021-06-22				
Horn Antenna	R&S	BBHA 9120D	9120D-631	2018-07-09	2021-07-08				
Power meter	Anritsu	ML2487A	6K00003613	2020-06-23	2021-06-22				
Power sensor	Anritsu	MA2491A	32263	2020-06-23	2021-06-22				
Bilog Antenna Schwarebeck		VULB9163	9163/340	2018-07-04	2021-07-03				
9*6*6 Anechoic			N/A	2020-07-06	2021-07-05				
EMI Test Receiver	RS	ESVB	826156/011	2020-06-23	2021-06-22				
EMI Test Receiver	RS	ESH3	860904/006	2020-06-23	2021-06-22				
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2020-06-23	2021-06-22				
Spectrum	HP/Agilent	E4407B	MY50441392	2020-06-23	2021-06-22				
Spectrum	RS	FSP	1164.4391.38	2020-01-16	2021-01-15				
RF Cable	Zhengdi	ZT26-NJ-NJ-8		2020-06-23	2021-06-22				
		M/FA							
RF Cable	Zhengdi	7m		2020-06-23	2021-06-22				
RF Switch	EM	EMSW18	060391	2020-06-23	2021-06-22				
Pre-Amplifier	Schwarebeck	BBV9743	#218	2020-06-23	2021-06-22				
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2020-06-23	2021-06-22				
LISN	SCHAFFNER	NNB42	00012	2021-01-06	2022-01-05				

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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Page 7 of 38 Report No.: TW2103126E

Date: 2021-04-02



Technical Details 3.0

3.1 **Summary of test results**

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.207	Conducted Emission Test	N/A	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 and RSS-210	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

Page 8 of 38

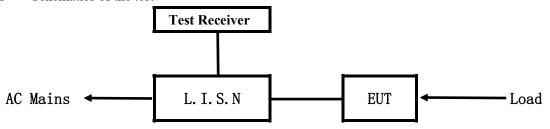
Report No.: TW2103126E

Date: 2021-04-02



5. Power Line Conducted Emission Test

5.1 Schematics of the test

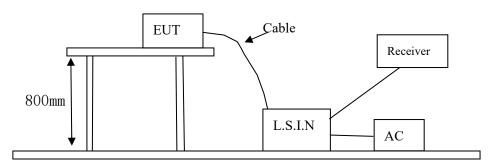


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2014. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4 –2014.

Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.4-2014. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

One channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
AE-TTL Trigger	Shenzhen Neewer Technology Co., Ltd	AE-TTL	2ANIV-AE-TTL

Report No.: TW2103126E

Date: 2021-04-02



Page 9 of 38

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.4 -2014

- 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(MHz)	Class B Limits (dB \(\mu \) V)						
Frequency(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 ~ 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:

N/A

Pass

Note: EUT powered by AAA battery, this test item not applicable.

Report No.: TW2103126E Page 10 of 38

Date: 2021-04-02

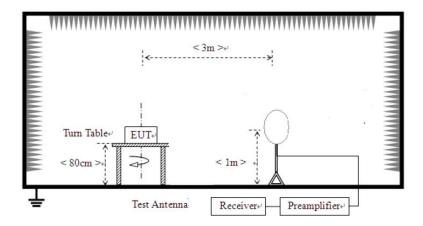


6 Radiated Emission Test

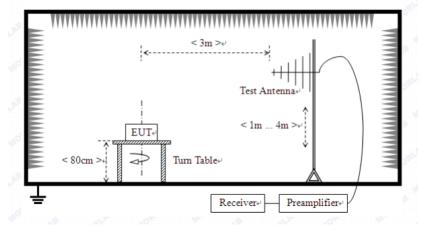
- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size 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



For radiated emissions from 30MHz to1GHz



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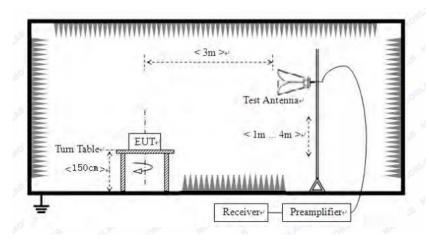
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Report No.: TW2103126E

Date: 2021-04-02



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.
- 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 Strength of Fundamental (3m)				Field Strength of Harmonics (3m)		
(MHz)	mV/m	dBu	V/m	uV/m	dBuV/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.

Report No.: TW2103126E Page 12 of 38

Date: 2021-04-02



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

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 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. 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.
- 5. 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.
- 6. New battery was used during tests.

Report No.: TW2103126E Page 13 of 38

Date: 2021-04-02

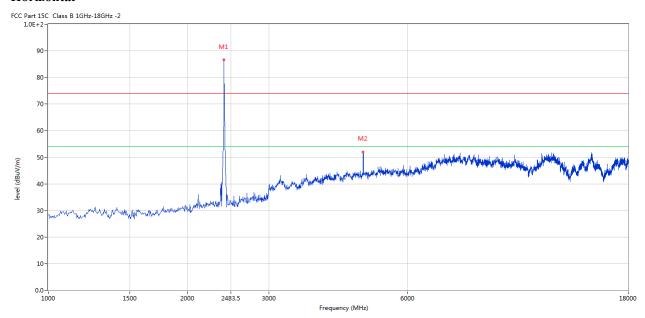


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



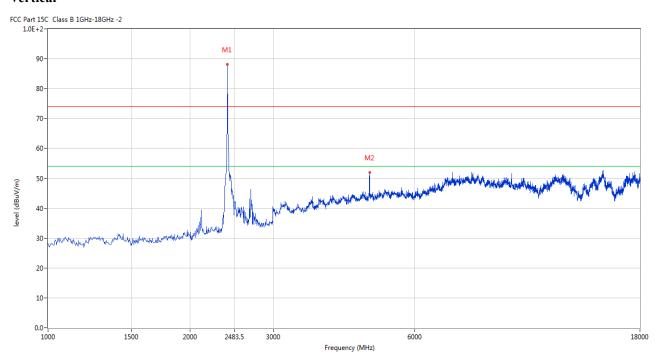
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402.500	86.54	-3.57	114.0	-27.46	Peak	13.00	100	Horizontal	Pass
2	4803.750	53.68	3.13	74.0	-20.32	Peak	31.00	100	Horizontal	Pass

Report No.: TW2103126E Page 14 of 38

Date: 2021-04-02



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402.500	88.06	-3.57	114.0	-25.94	Peak	13.00	100	Vertical	Pass
2	4808.000	52.78	3.13	74.0	-21.22	Peak	72.00	100	Vertical	Pass

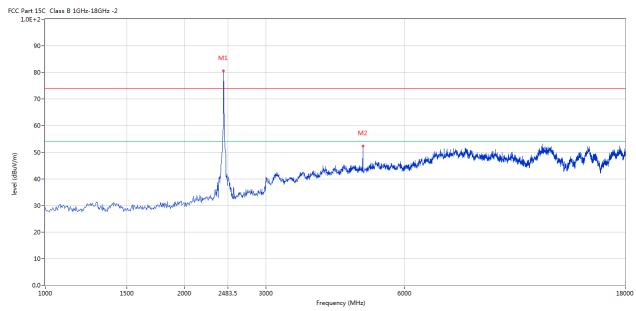
Report No.: TW2103126E Page 15 of 38

Date: 2021-04-02



Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



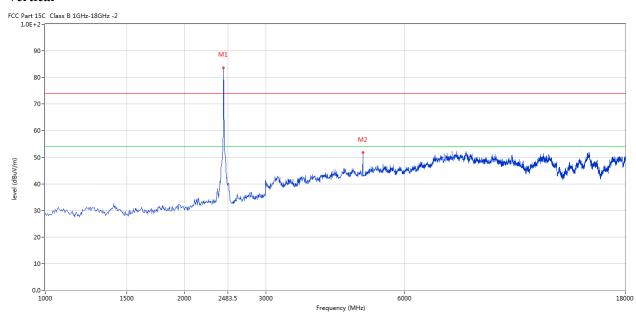
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2434.250	80.57	-3.57	74.0	-33.43	Peak	314.00	100	Horizontal	Pass
2	4867.500	53.09	3.19	74.0	-20.91	Peak	352.00	100	Horizontal	Pass

Report No.: TW2103126E Page 16 of 38

Date: 2021-04-02



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2434.250	83.63	-3.57	74.0	-30.37	Peak	47.00	100	Vertical	Pass
2	4867.500	52.71	3.19	74.0	-21.29	Peak	64.00	100	Vertical	Pass

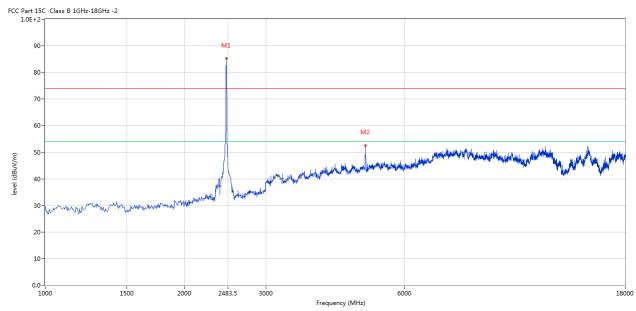
Report No.: TW2103126E Page 17 of 38

Date: 2021-04-02



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

Horizontal



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2466.250	85.28	-3.57	114.0	-28.72	Peak	331.00	100	Horizontal	Pass
2	4931.250	53.12	3.29	74.0	-20.88	Peak	288.00	100	Horizontal	Pass

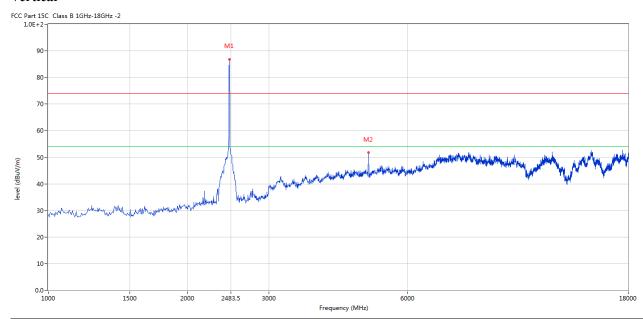
Page 18 of 38

Report No.: TW2103126E

Date: 2021-04-02



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2466.250	88.74	-3.57	114.0	-25.26	Peak	31.00	100	Vertical	Pass
2	4931.250	52.77	3.29	74.0	-21.23	Peak	23.00	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.

Report No.: TW2103126E Page 19 of 38

Date: 2021-04-02

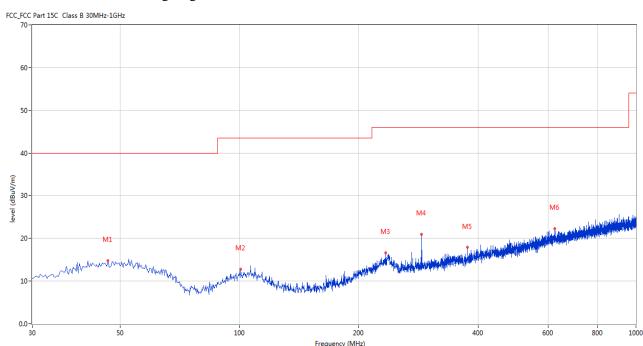


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	46.486	14.77	-11.43	40.0	-25.23	Peak	186.00	100	Horizontal	Pass
2	100.792	12.78	-13.46	43.5	-30.72	Peak	125.00	100	Horizontal	Pass
3	233.407	16.57	-12.53	46.0	-29.43	Peak	46.00	100	Horizontal	Pass
4	287.956	20.91	-11.27	46.0	-25.09	Peak	238.00	100	Horizontal	Pass
5	375.961	17.87	-9.38	46.0	-28.13	Peak	238.00	100	Horizontal	Pass
6	624.461	22.30	-4.87	46.0	-23.70	Peak	44.00	100	Horizontal	Pass

Report No.: TW2103126E Page 20 of 38

Date: 2021-04-02

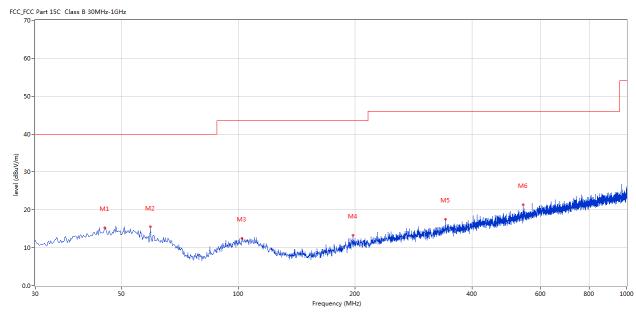


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	45.274	15.32	-11.40	40.0	-24.68	Peak	10.00	100	Vertical	Pass
2	59.335	15.49	-12.89	40.0	-24.51	Peak	135.00	100	Vertical	Pass
3	102.004	12.56	-13.42	43.5	-30.94	Peak	32.00	100	Vertical	Pass
4	197.526	13.36	-13.51	43.5	-30.14	Peak	225.00	100	Vertical	Pass
5	341.777	17.51	-9.71	46.0	-28.49	Peak	196.00	100	Vertical	Pass
6	540.820	21.32	-6.47	46.0	-24.68	Peak	135.00	100	Vertical	Pass

Report No.: TW2103126E

Date: 2021-04-02

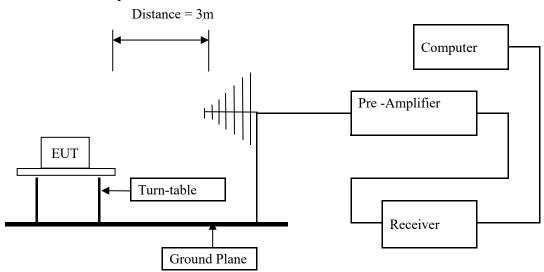


7. Band Edge

7.1 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) 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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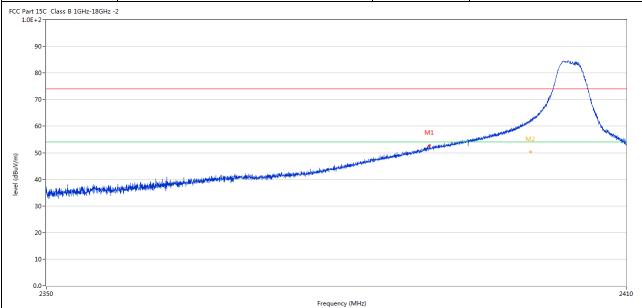
Report No.: TW2103126E Page 22 of 38

Date: 2021-04-02



7.6 Test Result

Product:	AE-TTL Trigger	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2389.465	52.69	-3.53	74.0	-21.31	Peak	66.00	100	Horizontal	Pass
2	2400.025	62.66	-3.57	74.0	-11.34	Peak	64.00	100	Horizontal	Pass
2**	2400.025	50.21	-3.57	54.0	-3.79	AV	64.00	100	Horizontal	Pass

Page 23 of 38

Report No.: TW2103126E



Pro	oduct:		AE-TTL Tri	igger	Detect	or	V	ertical	
N	Mode	K	Keeping Trans	smitting	Test Vol	tage	D	C3.8V	
Temp	perature		24 deg. (С,	Humid	ity	56	5% RH	
Test	Result:		Pass						
C Part 15C 1.0E+2-	Class B 1GHz-18GHz	-2							
90-									
80-								-	
70-	2								
60-	90- 80- 70- 60-				M1		THE RESERVE THE PROPERTY OF		Marielanne
	est Result: 15C Class B 1GHz-18GHz -2 +2- 90- 80- 70- 60- 30- 20-					THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	M.	2	
-	70-				The state of the s	Labora 14			
50-			and the state of the state of	The state of the s	The same of the sa	Allum	•		
50- 40-W	idean de feathingeaphylichean arm	The state of the s	le ijefeleserilebroedhebijehekelennen	Mary Control of the State of th	Mary San	Alberto 14 .			
90- 80- 70- 60-	ariphoardinaddiffhyddakdaau	一日本本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の	· · · · · · · · · · · · · · · · · · ·		•				
40 - N	Mode Keeping Transmitting Test Voltage DC3.8V emperature 24 deg. C, Humidity 56% RH est Result: Pass 15C Class B 16Hz-18GHz-2 90 90 90 10 10 10 10 10 10 10								
30- 20-	idag dagi sagan pagabah daga daga daga daga daga daga daga da	Keeping Transmitting Test Voltage DC3.8V ture 24 deg. C, Humidity 56% RH sult: Pass							
40- N	Mode Keeping Transmitting Test Voltage DC3 Temperature 24 deg. C, Humidity 56% Test Result: Pass Int ISC Class B IGHz-18GHz -2 DE 2 40 40 40 40 Test Voltage DC3 M1 M2 Frequency (MHz)								
30- 20- 10-	Mode Cemperature Test Result: t 15C Class B 1GHz-18GHz -2 E+2 90	ariphoardined Ariphoakelean	With the second	And the state of t	111 1	0		241	
30- 20- 10-		ing flavor i ga tin di	a yegheard on the high character			111	٥		24:
30- 20- 10-	50			Frequer	cy (MHz)	Table (o)	Height	ANT	
30 - 20 - 10 - 235	50	Results		Frequer Over Lin	cy (MHz)	Table (o)	Height (cm)	ANT	
30- 20- 10- 235	Frequency	Results (dBuV/m)	Factor Limit	Frequer Over Lin	cy (MHz)	Table (o) 360.00		ANT Vertical	Verd
30- 20- 10- 235	Frequency (MHz)	Results (dBuV/m) 53.61	Factor Limit (dB) (dBu	Frequer Over Lin V/m) (dB)	cy (MHz) nit Detector		(cm)		Verdi Pass Pass

Page 24 of 38

Report No.: TW2103126E



	Product:		AE-T	TL Trigger		Polari	ity		Horizontal	
	Mode		Keeping	g Transmitti	ng	Test Vol	tage		DC3.8V	
T	emperature		24	l deg. C,		Humid	lity		56% RH	
Γ	Test Result:			Pass						
	rt 15C Class B 1GHz-18GHz E+2-r	: -2								
	90-	- Command								
	80-									
	70-	WAR TO THE TOTAL PROPERTY OF THE TOTAL PROPE	\							
			N .							
	60 - Marian Maria Maria Maria Maria		The same of the sa	de ca						
	60-			· · · · · · · · · · · · · · · · · · ·	And the state of t					
uv/m)	50-			Marine State of the State of th	the same and the s	the desiral standards being to	and the design of the party of	A Principal de la company	Military and the second	
(m/Angn) 19A				the state of the s	the same and the s	in the second second between the second	matery plans of the banks of the	and the same of th	overely designative and analysis and an empty	ntajinin dano dajina
ופאפו (ממתא/וווו)	50-			Marie Allen San Language Confession Confessi	the transfer described to the state of the s	the desire of the second second	and the state of t	the state of the s	orely disposed arrivates in early the	Marie dan production
level (dbuV/m)	50- 40- 30-			المعالمة الم	alaya ka	e de de constituir de la constituir de l	had to de place of the later than the section of	ar the same and a same a	ood filmen and and and a filmen film	eta fireta eta a principa
level (dbuV/m)	50- 40- 30- 20-			the state of the s	and the second s	and desirably and the second desirable and the second desirably and the second desirable and the	makan dan dan dan dan dan dan dan dan dan d	and the second s	yrolf there we entirely the south	nte firm dan o design
level (dbuV/m)	50- 40- 30-			The state of the s	alan de compleja de completa d	and desirably and an activity of the	haisahiyan iyo i kapida asisifa	ar alline r som krede på som k	yek fi kanpaneen bahan ki noori ki	eta firmen eta erro e
	50- 40- 30- 20-			Marie Allen Barren Landon		2483.5	Makisa dengan Pipini dan dan galapa	and the second second	yekî filozofia mîzede ki ku engilê	2500
	50 - 40 - 30 - 20 -			The state of the s	Frequency (MH	2483.5	Marie de Agresse (film), libre de Arrico (film)	and the same of th	yek fi kanada mendulun ke engih	
	50 - 40 - 30 - 20 - 10 - 0.0 - 2460	Results	Factor	Limit		2483.5	Table (o)	Height	ANT	
	50 - 40 - 30 - 20 - 10 - 0.0 - 2460	Results (dBuV/m)			Frequency (MH	2483.5 z)				2500

Page 25 of 38

Report No.: TW2103126E

Date: 2021-04-02



P	roduct:		AE-7	ΓTL Trigger		Detec	tor		Vertical	
	Mode		Keeping	g Transmitti	ing	Test Vo	ltage		DC3.8V	
Ten	nperature		24	4 deg. C,		Humid	lity		56% RH	
Tes	st Result:			Pass						
CC Part 150 1.0E+2-	C Class B 1GHz-18GHz	:-2								
90-										
80-										
		$\overline{}$								
70-		/								
60-			The same of the sa	The state of the s						
				-			want o			
				- Andrews	H H					Water application of the same
-05 -05 -07 -07				The state of the s	The state of the s				A Company of the Comp	
level (dBuV/m) -04				Anthron Control	THE PERSON NAMED IN		The second secon			And the property of the second
-04 (qgn/\m) -04 -05 (qgn/\m)					HITTING THE		The state of the s			The specific property of the specific property
(a) (a) (b) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a					THE THE					
(W/\nngp) \$40-					Frequency (MF	2483.5				2500
(W/\ngp) \$00-					" "	2483.5				2500
(W/\nngp) \$40-		Results	Factor	Limit	" "	2483.5	Table (o)	Height	ANT	2500
(w//ggp) 40-	160	Results (dBuV/m)	Factor (dB)		Frequency (Mi	2483.5 12)	Table (o)	Height (cm)	ANT	

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

2. 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.

Report No.: TW2103126E Page 26 of 38

Date: 2021-04-02



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 PCB antenna. The antenna gain is 3.0dBi Max. It fulfills the requirement of this section. Test Result: Pass

Page 27 of 38

Report No.: TW2103126E



SK Modulation										
Product:	Al	E-TTL Trig	ger		Te	est Mode:		Keep tran	smitting	
Mode	Keep	ing Transm	itting		Te	st Voltage		DC3	.0V	
Temperature		24 deg. C,			I	Humidity		56%	RH	
Test Result:		Pass		Detector			PK			
0dB Bandwidth		2.355MHz								
<u>`</u>	Marker	Marker 1 [T1 ndB]			3W	100 k	Hz Rl	F Att	20 dB	
Ref Lvl	ndB		00 dB	VE	ЗW	300 k	Hz			
0 dBm	BW	2.354709	42 MHz	SV	VТ	5 m	s Uı	nit	dBn	n
0						lacksquare1	[T1]	-14	.24 dBm	1_
						_		2.40392		ľ
-10			<u>1</u>			ndB		20	.00 dB	
		\wedge	~ .~^			BW		2.35470	942 MHz	
-20		 		<u> </u>	. ^	V _T 1	[T1]	-34	.68 dBm	1
	^					$\bigvee \bigvee_{egin{subarray}{c} abla_{ ext{T2}} abla}$	[m 1]	2.40279		
-30						* T.	[T1]	-33 2.40514	.45 dBm	1
1MAX							*	2.40314	725 G112	1
-40	~						y Joden	mus		•
-50									- Lander	
-60										-
-70										-
-80										1
-90										
-100										
Center 2.40	4 GHz		500 k	Hz/	•	•		Spa	ın 5 MHz	

Page 28 of 38

Report No.: TW2103126E



GFSK Modulati	ion			
Product:	AE-TTL Trigger	Test Mode:	Keep transmitting	
Mode	Keeping Transmitting	Test Voltage	DC3.0V	
Temperature	24 deg. C,	Humidity	56% RH	
Test Result:	Pass	Detector	PK	
20dB Bandwidth	2.275MHz			
F	Marker 1 [T1 ndB]	RBW 100 kH	z RF Att 20 dB	
Ref Lvl	ndB 20.00 d			
0 dBm	BW 2.27454910 I	MHz SWT 5 ms	Unit dBm	
		▼1 [T1] -14.06 dBm	
			2.43492485 GHz	
-10		1 ndB	20.00 dB	
		BW	2.27454910 MHz	
-20	/ N	V _T	[T1] -34.23 dBm	
			2.43380261 GHz	
-30		712	[T1] -34.24 dBm	
1MAX			2.43607715 GHz	
-40				
-50			The way	
-60				
-70				
-80				
-90				
-100	125 (115	F00 latte /	Special F. Mys	
Center 2.4 Date: 27.1	MAR.2021 09:32:34	500 kHz/	Span 5 MHz	

Page 29 of 38

Report No.: TW2103126E



GFSK Modulat	tion					
Product:	AE-TTL Trigger		Т	est Mode:	Keep transmitting	
Mode	Keeping Transmitting		To	est Voltage	DC3.0V	
Temperature	24 deg. C,			Humidity	56% RH	
Test Result:	Pass			Detector	PK	
20dB Bandwidth	2.275MHz					
· Section 1	Marker	1 [T1 ndB]	RBW	100 kH		20 dB
Ref Lvl	ndB	20.00 dB	VBW	300 kH		_
0 dBm	BW 2	2.27454910 MHz	SWT	5 ms	Unit	dBm
				v ₁ [T1] -1	4.24 dBm A
					2.46642	
-10		1		ndB	20	0.00 dB
				BW ▼ _{T1}	2.2745	
-20			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	V T.L	[T1] -3	4.19 dBm 9259 GHz
	^		V	V	[T1] -3	4.79 dBm
-30	TIL	V*			2.46800	5713 GHz
1MAX	7			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1MA
-40	men					
30 _m /[m					men	home
-60						
-70						
-80						
-90						
-100 Center 2.	467 CH2	500	kus/		Con	an 5 MHz
		0:36:13	12114/		ာ ပုဂ	AII J PHIZ

Report No.: TW2103126E Page 30 of 38

Date: 2021-04-02



10.0 FCC ID Label

FCC ID: 2ANIV-AE-TTL

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 equipment not be readily detachable.

Mark Location:



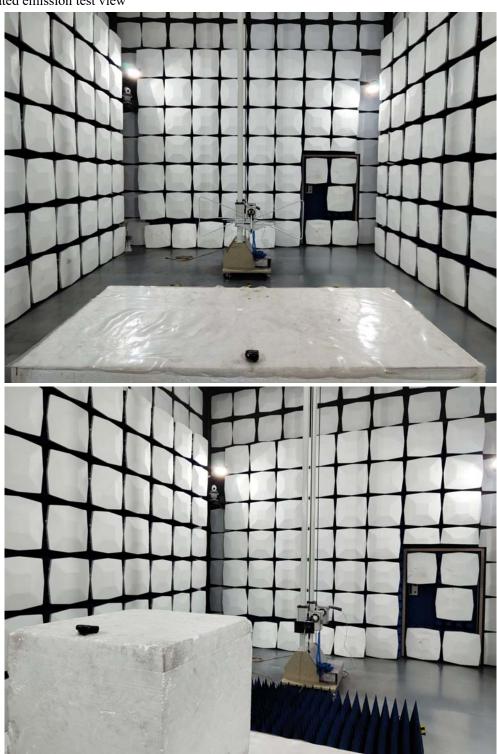
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Date: 2021-04-02



11.0 Photo of testing

11.1 Radiated emission test view



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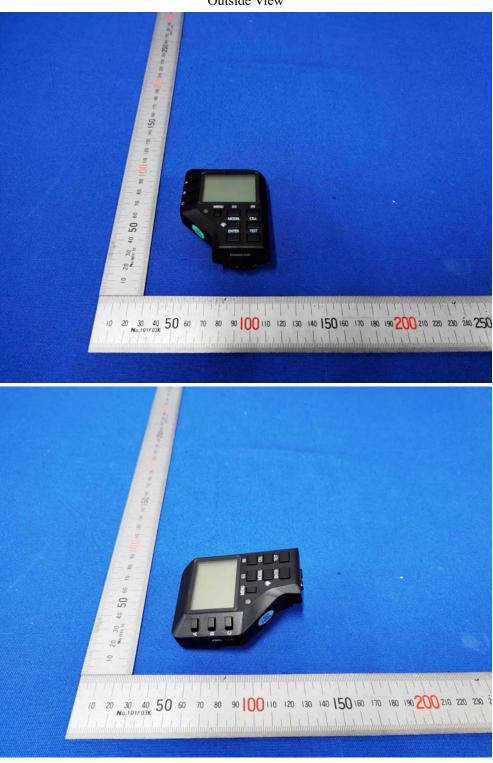
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Date: 2021-04-02



11.2 Photographs-EUT

Outside View



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Page 33 of 38

Report No.: TW2103126E

Date: 2021-04-02



Photographs - EUT

Outside View





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Report No.: TW2103126E Page 34 of 38



Outside View



Page 35 of 38

Report No.: TW2103126E

Date: 2021-04-02



Inside view





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Page 36 of 38

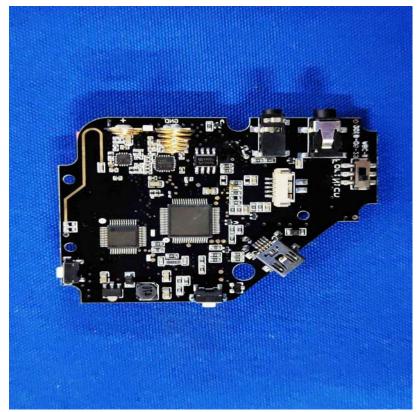
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Inside view





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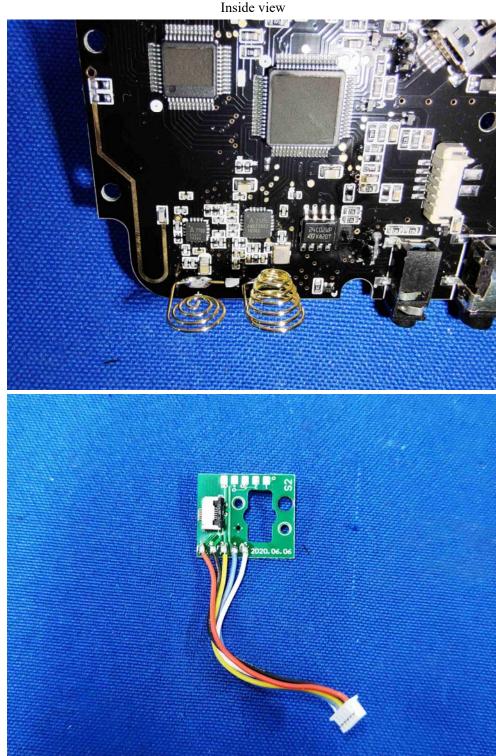
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Page 37 of 38

Report No.: TW2103126E

Date: 2021-04-02





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Report No.: TW2103126E Page 38 of 38



Inside view



-- End of the report--