



Report No			
	े िर्गम	ST REPORT	
	Product	: AM RGB 65	
	Trade mark	: Angry Miao	
	Model/Type reference	e : AM28	
	Serial Number	: N/A	
	Report Number	: EED32Q80671702	2
	FCC ID	: 2A3FY-AM28	
	Date of Issue	: Jul. 02, 2024	
	Test Standards	: 47 CFR Part 15 St	ubpart C
	Test result	: PASS	
		Prepared for:	
	Angry Miad	o Technology Co., Li	mitea
	-	Prepared by: J International Group Strial Zone, Bao'an 70	•
	Hongwei Indus Shenzh TEL:	International Group	Co., Ltd. District, na
	Hongwei Indus Shenzh TEL:	y International Group strial Zone, Bao'an 70 en, Guangdong, Chin : +86-755-3368 3668 : +86-755-3368 3385	Co., Ltd. District,
	Hongwei Indus Shenzh TEL: FAX	International Group strial Zone, Bao'an 70 en, Guangdong, Chin : +86-755-3368 3668 : +86-755-3368 3385	Co., Ltd. District, na
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## 3 Test Summary



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3 Test Summary			
Test Item	Test Requirement	PASS	
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (c)		
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	PASS	
DTS Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	PASS	
Maximum Conducted Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	PASS	
Maximum Power Spectral Density	47 CFR Part 15 Subpart C Section 15.247 (e)	PASS	
Band Edge Measurements	47 CFR Part 15 Subpart C Section 15.247(d)	PASS	
Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	PASS	
Radiated Spurious Emission & Restricted bands	47 CFR Part 15 Subpart C Section 15.205/15.209	PASS	
		(23)	

#### Remark:

Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.





## 4 General Information

## 4.1 Client Information

Applicant:	Angry Miao Technology Co., Limited	
Address of Applicant:	2/F, No.5 of Nanteng Street, Qi'ao Industrial Zone, Tangjiawan Town Xiangzhou District, Zhuhai China	ij.
Manufacturer:	Angry Miao Technology Co., Limited	2
Address of Manufacturer:	2/F, No.5 of Nanteng Street, Qi'ao Industrial Zone, Tangjiawan Town Xiangzhou District, Zhuhai China	
Factory:	Angry Miao Technology Co., Limited	
Address of Factory:	2/F, No.5 of Nanteng Street, Qi'ao Industrial Zone, Tangjiawan Town Xiangzhou District, Zhuhai China	

## 4.2 General Description of EUT

Product Name:	AM RGB 65				
Model No.:	AM28				13
Trade mark:	Angry Miao	$(\mathcal{O})$	(S)		67
Product Type:	Mobile	⊠ Portable	Fix Location		$\smile$
Operation Frequency:	2402MHz~2	480MHz			
Modulation Type:	GFSK		13	13	
Transfer Rate:	2Mbps		(25)	$(\sim)$	
Number of Channel:	23		$\bigcirc$	U	
Antenna Type:	PIFA Antenna				
Antenna Gain:	1.05dBi	10	200		~
Power Supply:	Battery:	DC 3.8V			
Test Voltage:	DC 3.3V	U	V		J
Sample Received Date:	May 21, 202	24			
Sample tested Date:	May 30, 202	4 to Jun. 18, 2	024		

(T)











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Operation Frequency each of channel:
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,					
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402 MHz	11	2456 MHz	21	2476 MHz
2	2404 MHz	12	2458 MHz	22	2478 MHz
3	2406 MHz	13	2460 MHz	23	2480 MHz
4	2408 MHz	14	2462 MHz	6	)
5	2410 MHz	15	2464 MHz	~	
6	2436 MHz	16	2466 MHz		
7	2438 MHz	17	2468 MHz		(2)
8	2440 MHz	18	2470 MHz		6
9	2442 MHz	19	2472 MHz		
10	2444 MHz	20	2474 MHz		

#### Note:

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

Channel	Frequency
The lowest channel (CH1)	2402MHz
The middle channel (CH8)	2440MHz
The highest channel (CH23)	2480MHz

## 4.3 Test Configuration

Software:	RF Test			
EUT Power Grade:	Default (Po selected)	wer level is built-in s	set parameters and o	annot be changed and
Use test software to ransmitting of the l	o set the lowest frequency EUT.	/, the middle freque	ncy and the highest f	requency keep
Test Mode	Modulation	Rate	Channel	Frequency(MHz)
Mode a	GFSK	1Mbps	CH0	2402
Mode b	GFSK	1Mbps	CH28	2458
Mode c	GFSK	1Mbps	CH39	2480







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## 4.4 Test Environment

	Operating Environment	t:				
263	Radiated Spurious Emi	ssions:				
192	Temperature:	22~25.0 °C		(A)		(2)
2	Humidity:	50~55 % RH		C		C
	Atmospheric Pressure:	1010mbar				
	Conducted Emissions:					
	Temperature:	22~25.0 °C				
	Humidity:	50~55 % RH	$(\mathcal{O})$		(C)	
	Atmospheric Pressure:	1010mbar				
	RF Conducted:	·				
	Temperature:	22~25.0 °C		(3)		13
	Humidity:	50~55 % RH		$(c^{\gamma})$		$(c^{\gamma})$
9	Atmospheric Pressure:	1010mbar		J		U

## 4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment						
Description	Manufacturer	Model No.	Certification	Supplied by		
Netbook	HP	14-ce0061TX	FCC&CE	СТІ		
Netbook	HP	HP ZHAN-66 Pro	FCC&CE	СТІ		
	S	A 14 G4	6.	<u> </u>		
Netbook	DELL	Dell G16 7620	FCC&CE	CTI		

## 4.6 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164





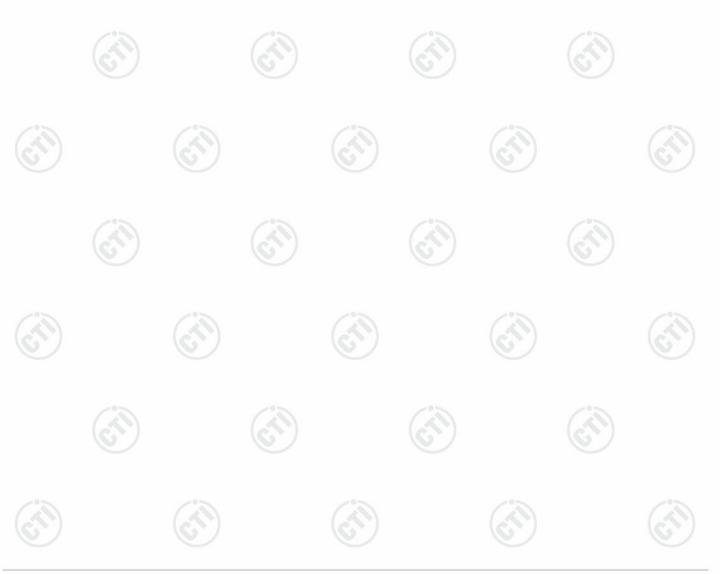
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#### Measurement Uncertainty (95% confidence levels, k=2) No. **Measurement Uncertainty** Item 1 **Radio Frequency** 7.9 x 10<sup>-8</sup> 0.46dB (30MHz-1GHz) 2 RF power, conducted 0.55dB (1GHz-40GHz) 3.3dB (9kHz-30MHz) 4.3dB (30MHz-1GHz) 3 Radiated Spurious emission test 4.5dB (1GHz-18GHz) 3.4dB (18GHz-40GHz) 3.5dB (9kHz to 150kHz) Conduction emission Δ 3.1dB (150kHz to 30MHz) 5 Temperature test 0.64°C 6 3.8% Humidity test 7 0.026% DC power voltages





## 5 Equipment List

		RF te	st system			
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
Communication test set	R&S	CMW500	107929	06-28-2023	06-27-2024	
Signal Generator	R&S	SMBV100A	1407.6004K02- 262149-CV	09-05-2023	09-04-2024	
Spectrum Analyzer	R&S	FSV40	101200	07-25-2023	07-24-2024	
RF control unit(power unit)	MWRF-test	MW100-RFCB	MW220620CTI-42	06-28-2023	06-27-2024	
High-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	11-12-2023	12-10-2024	
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	05-29-2024	05-28-2025	
BT&WI-FI Automatic test software	MWRF-test	MTS 8310	V2.0.0.0	(	3)	
Spectrum Analyzer	R&S	FSV3044	101509	01-17-2024	01-16-2025	

Conducted disturbance Test											
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date						
Receiver	R&S	ESCI	100435	04-18-2024	04-17-2025						
Temperature/ Humidity Indicator	Defu	TH128	/	04-25-2024	04-24-2025						
LISN	R&S	ENV216	100098	09-22-2023	09-21-2024						
Barometer	changchun	DYM3	1188								
Test software	Fara	EZ-EMC	EMC-CON 3A1.1	/							





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Equipment	Manufacturer	anufacturer Model		Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
3M Chamber & Accessory Equipment	Эток	SAC-3		05/22/2022	05/21/2025	
Receiver	R&S	ESCI7	100938-003	09/22/2023	09/21/2024	
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2025	
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/16/2024	04/15/2025	
Multi device	maturo	NCD/070/10711112			(0	
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/16/2024	04/15/2025	
Microwave Preamplifier	Agilent	8449B	3008A02425	06/20/2023 06/13/2024	06/19/2024 06/12/2025	
Test software	Fara	EZ-EMC	EMEC-3A1-Pre			









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		3M full-anechoid	c Chamber			
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date y) (mm-dd-yyyy) 	
RSE Automatic test software	JS Tonscend	JS36-RSE	10166	<b>A</b>		
Receiver	Keysight	N9038A	MY57290136	01-09-2024	01-08-2025	
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-19-2024	01-18-2025	
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-13-2024	01-12-2025	
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2024	04-27-2025	
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-16-2024	04-15-2025	
Horn Antenna	ETS-LINDGREN	3117	57407	07-04-2021	07-03-2024	
Preamplifier	EMCI	EMC184055SE	980597	04-12-2024	04-11-2025	
Preamplifier	EMCI	EMC001330	980563	03-08-2024	03-07-2025	
Preamplifier	JS Tonscend	TAP-011858	AP21B806112	07-25-2023	07-24-2024	
Communication test set	R&S	CMW500	102898	12-14-2023	12-13-2024 04-06-2025	
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-07-2024		
Fully Anechoic Chamber	TDK	FAC-3		01-09-2024	01-08-2027	
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	(	D	
Cable line	Times	SFT205-NMSM-2.50M	394812-0002			
Cable line	Times	SFT205-NMSM-2.50M	394812-0003		- 0	
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	$(\bigcirc)$		
Cable line	Times	EMC104-NMNM-1000	SN160710			
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	/	<i>(</i>	
Cable line	Times	SFT205-NMNM-1.50M	381964-0001		9	
Cable line	Times	SFT205-NMSM-7.00M	394815-0001			
Cable line	Times	HF160-KMKM-3.00M	393493-0001		- 6	
)	$(\mathbf{c})$	$\langle \mathcal{O} \rangle$		$\langle G \rangle$	0	





## 6 Test results and Measurement Data

## 6.1 Antenna Requirement

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

#### 15.203 requirement:

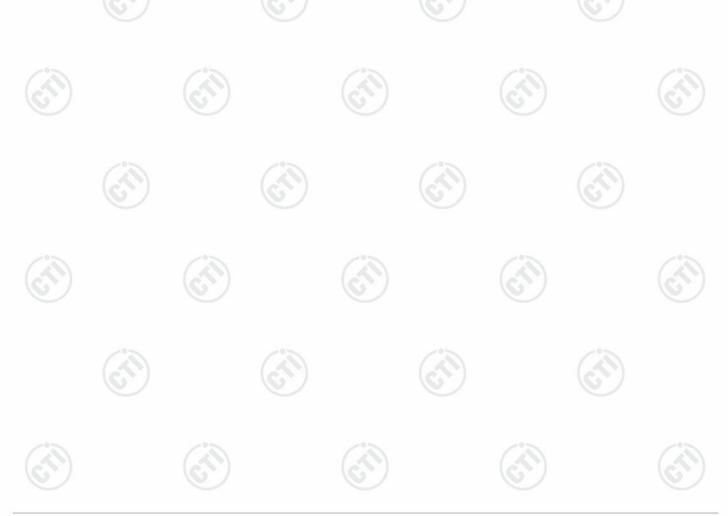
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### 15.247(b) (4) requirement:

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

EUT Antenna:	Please see Internal photos

The antenna is PIFA antenna. The best case gain of the antenna is 1.05dBi.





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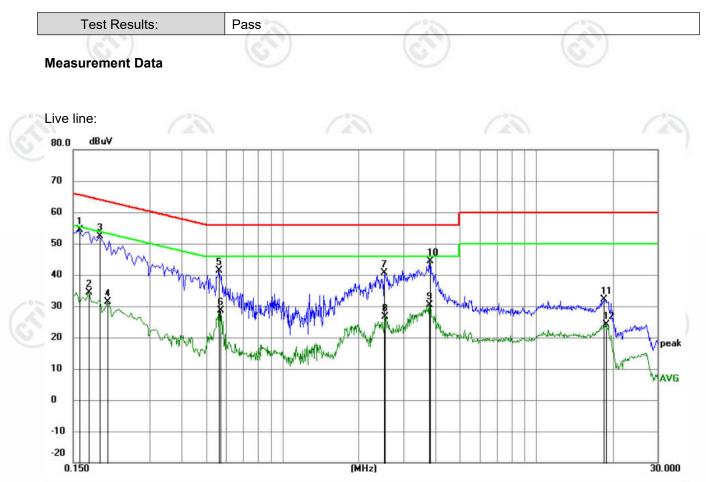
	Test Requirement:	47 CFR Part 15C Section 15	.207	G					
	Test Method:	ANSI C63.10: 2013							
	Test Frequency Range:								
	Receiver setup:								
}	Limit:		Limit (						
	Linit.	Frequency range (MHz)	Average						
		0.15-0.5	66 to 56*	56 to 46*					
		0.5-5	56	46					
		5-30	60	50					
		* Decreases with the logarith	m of the frequency.						
	Test Setup:		· ·						
		AC Mains	AE Bround Reference Plane	Test Receiver					
	Test Procedure:	<ol> <li>The mains terminal distur room.</li> <li>The EUT was connected Impedance Stabilization N impedance. The power connected to a second LI plane in the same way multiple socket outlet strip single LISN provided the</li> </ol>	d to AC power source Network) which provide cables of all other SN 2, which was bonde as the LISN 1 for the p was used to connect	through a LISN 1 (Lin s a $50\Omega/50\mu$ H + $5\Omega$ linea units of the EUT wer d to the ground referenc unit being measured. multiple power cables to					
		<ul> <li>3) The tabletop EUT was pl ground reference plane. A placed on the horizontal g</li> <li>4) The test was performed w the EUT shall be 0.4 m vertical ground reference reference plane. The LIS unit under test and bol mounted on top of the gro the closest points of the and associated equipment</li> </ul>	aced upon a non-meta And for floor-standing a ground reference plane. with a vertical ground re from the vertical grou e plane was bonded N 1 was placed 0.8 m nded to a ground re bund reference plane. T LISN 1 and the EUT.	allic table 0.8m above th irrangement, the EUT wa ference plane. The rear of und reference plane. Th to the horizontal groun from the boundary of th ference plane for LISN This distance was betwee All other units of the EU					
		5) In order to find the maxim and all of the interface ca		according to					







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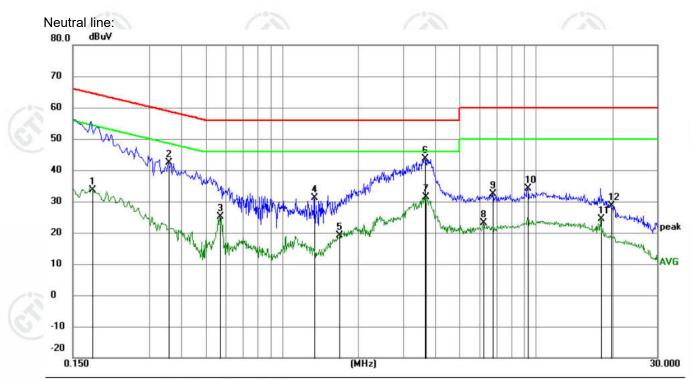
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
			MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
-	1	*	0.1590	44.40	9.88	54.28	65.52	-11.24	QP	
	2		0.1725	24.55	9.89	34.44	54.84	-20.40	AVG	
2	3		0.1905	42.41	9.91	52.32	64.01	-11.69	QP	
-	4		0.2040	21.38	9.90	31.28	53.45	-22.17	AVG	
	5		0.5639	31.65	9.66	41.31	56.00	-14.69	QP	
	6		0.5685	18.96	9.65	28.61	46.00	-17.39	AVG	
-	7		2.5170	30.79	9.77	40.56	56.00	-15.44	QP	
5	8		2.5305	16.78	9.77	26.55	46.00	-19.45	AVG	
1	9		3.7905	20.67	9.80	30.47	46.00	-15.53	AVG	
15	10		3.7995	34.58	9.80	44.38	56.00	-11.62	QP	
22	11		18.4830	22.17	9.98	32.15	60.00	-27.85	QP	
3	12		18.7665	14.22	9.99	24.21	50.00	-25.79	AVG	

#### Remark:

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



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No. M	k. Fr	eq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	М	Hz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.	1796	23.84	9.90	33.74	54.50	-20.76	AVG	
2	0.	3570	32.68	9.68	42.36	58.80	-16.44	QP	
3	0.	5685	15.36	9.65	25.01	46.00	-20.99	AVG	
4	1.	3425	21.30	9.74	31.04	56.00	-24.96	QP	
5	1.	6890	9.48	9.75	19.23	46.00	-26.77	AVG	
6 *	3.	6600	33.73	9.80	43.53	56.00	-12.47	QP	
7	3.	6690	21.68	9.80	31.48	46.00	-14.52	AVG	
8	6.	1979	13.22	9.85	23.07	50.00	-26.93	AVG	
9	6.	7380	22.52	9.85	32.37	60.00	-27.63	QP	
10	9.	2805	24.24	9.83	34.07	60.00	-25.93	QP	
11	17.	9700	14.47	9.96	24.43	50.00	-25.57	AVG	
12	19.	8375	18.51	10.03	28.54	60.00	-31.46	QP	

#### Remark:

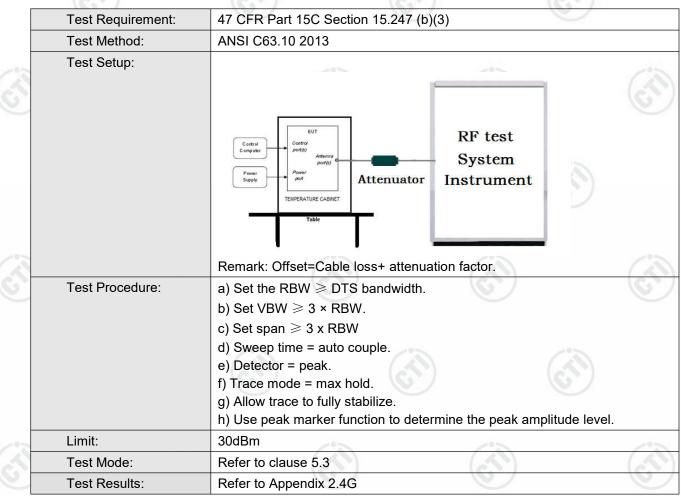
- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.





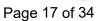
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## 6.3 Maximum Conducted Output Power









## 6.4 DTS Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10 2013
Test Setup:	
	Control Computer Supply Power Supply Table RF test System Instrument
Test Procedure:	Remark: Offset=Cable loss+ attenuation factor.         a) Set RBW = 100 kHz.         b) Set the VBW ≥[3 × RBW].         c) Detector = peak.         d) Trace mode = max hold.
	<ul> <li>e) Sweep = auto couple.</li> <li>f) Allow the trace to stabilize.</li> <li>g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.</li> </ul>
Limit:	≥ 500 kHz
Test Mode:	Refer to clause 5.3
Test Results:	Refer to Appendix 2.4G







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## 6.5 Maximum Power Spectral Density

	Test Requirement:	47 CFR Part 15C Section 15.247 (e)
	Test Method:	ANSI C63.10 2013
3	Test Setup:	
		Control Computer Power Suppy Temperature CABINET Table
	Test Procedure:	Remark: Offset=Cable loss+ attenuation factor.         a) Set analyzer center frequency to DTS channel center frequency.
		<ul> <li>b) Set the span to 1.5 times the DTS bandwidth.</li> <li>c) Set the RBW to 3 kHz &lt; RBW &lt; 100 kHz.</li> <li>d) Set the VBW &gt; [3 × RBW].</li> <li>e) Detector = peak.</li> </ul>
		<ul> <li>f) Sweep time = auto couple.</li> <li>g) Trace mode = max hold.</li> <li>h) Allow trace to fully stabilize.</li> <li>i) Use the peak marker function to determine the maximum amplitude level</li> </ul>
		within the RBW. j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.
	Limit:	≤8.00dBm/3kHz
	Test Mode:	Refer to clause 5.3
	Test Results:	Refer to Appendix 2.4G

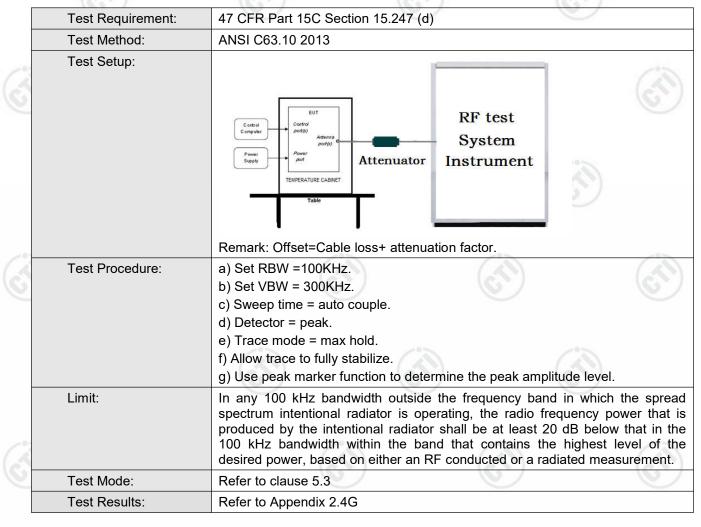






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## 6.6 Band Edge measurements and Conducted Spurious Emission









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## 6.7 Radiated Spurious Emission & Restricted bands

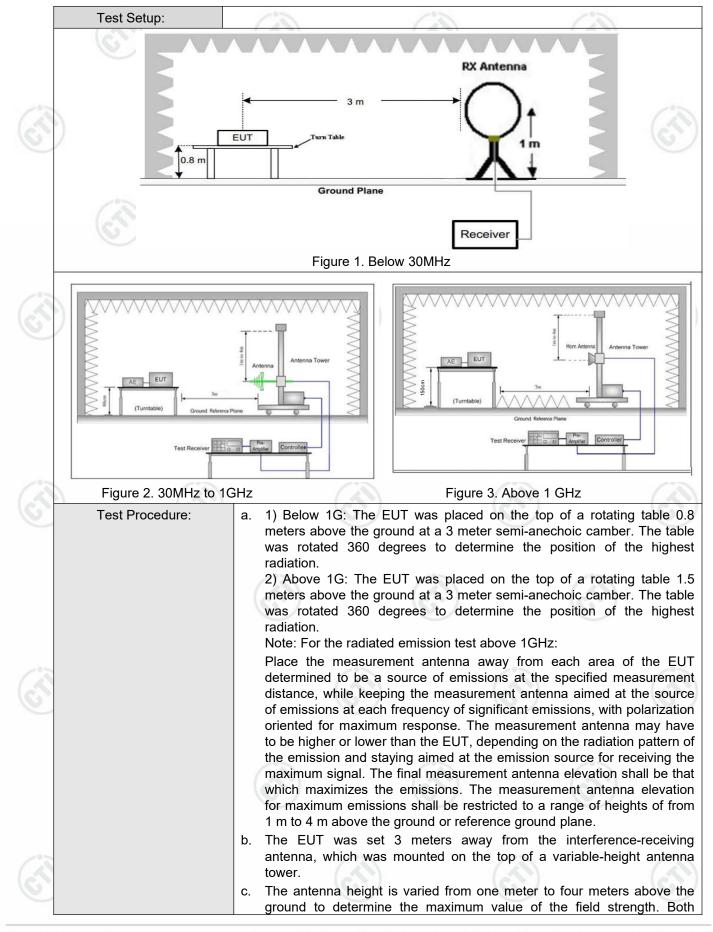
	Test Requirement:	47 CFR Part 15C Sect	ion 1	5.209 and 1	5.205		e			
	Test Method:	ANSI C63.10 2013								
	Test Site:	Measurement Distance	Measurement Distance: 3m (Semi-Anechoic Chamber)							
	Receiver Setup:	Frequency	1	Detector	· 6	RBW	VBW	Remark		
9		0.009MHz-0.090MH	Ιz	Peak	1	OkHz	30kHz	Peak		
		0.009MHz-0.090MH	Ιz	Average	. 1	OkHz	30kHz	Average		
		0.090MHz-0.110MH	Ηz	Quasi-pea	ak 1	OkHz	30kHz	Quasi-peak		
		0.110MHz-0.490MH	Ιz	Peak	1	OkHz	30kHz	Peak		
		0.110MHz-0.490MH	Ιz	Average	1	OkHz	30kHz	Average		
		0.490MHz -30MHz	z	Quasi-pea	ak 1	OkHz	30kHz	Quasi-peak		
		30MHz-1GHz		Quasi-pea	ak 10	0 kHz	300kHz	Quasi-peak		
1			0	Peak	1	MHz	3MHz	Peak		
3		Above 1GHz		Peak	1	1MHz 10		Average		
	Limit:	Frequency		d strength ovolt/meter)	Limi (dBuV/		Remark	Measuremen distance (m)		
		0.009MHz-0.490MHz	24	00/F(kHz)	-		- 203	300		
		0.490MHz-1.705MHz	240	00/F(kHz)	-		- (2	30		
		1.705MHz-30MHz		30	-		. @	30		
		30MHz-88MHz		100	40.0	Qu	lasi-peak	3		
-		88MHz-216MHz		150	43.5	Qu	lasi-peak	3		
1		216MHz-960MHz		200	46.0	QL	lasi-peak	3		
2		960MHz-1GHz		500	54.0	Qu	lasi-peak	3		
		Above 1GHz		500	54.0	A	verage	3		
		Note: 15.35(b), frequency emissions is limit applicable to the peak emission level ra	s 20d equip	B above the ment under	e maxin test. T	num pe	ermitted av	erage emissio		







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# 【华测检测

Report No. : EED32Q80671702

horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the f. limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. g. Test the EUT in the lowest channel (2402MHz), the middle channel (2440MHz), the Highest channel (2480MHz) h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. Repeat above procedures until all frequencies measured was complete. i. Refer to clause 5.3 Test Mode: Pass

Test Results:







Hotline:400-6788-333



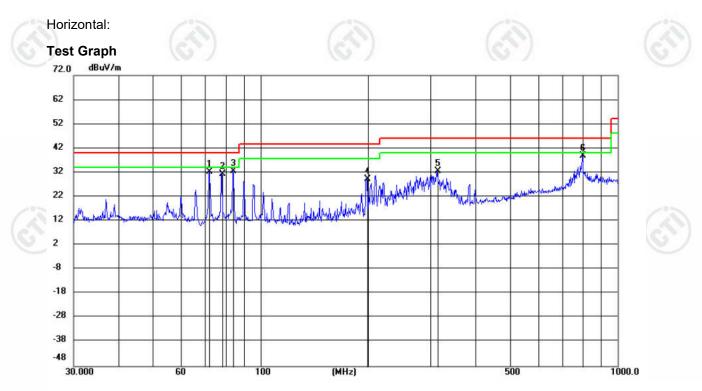


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## **Radiated Spurious Emission below 1GHz:**

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case highest channel of GFSK 1M was recorded in the report.



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	72.0463	21.57	10.55	32.12	40.00	-7.88	QP	199	331	
2	78.1662	21.61	9.86	31.47	40.00	-8.53	QP	199	352	
3	84.0952	21.85	10.63	32.48	40.00	-7.52	QP	199	352	
4	198.8318	16.68	12.67	29.35	43.50	-14.15	QP	199	352	
5	313.4408	15.59	16.94	32.53	46.00	-13.47	QP	100	90	
6 *	797.8598	13.21	25.78	38.99	46.00	-7.01	QP	199	193	









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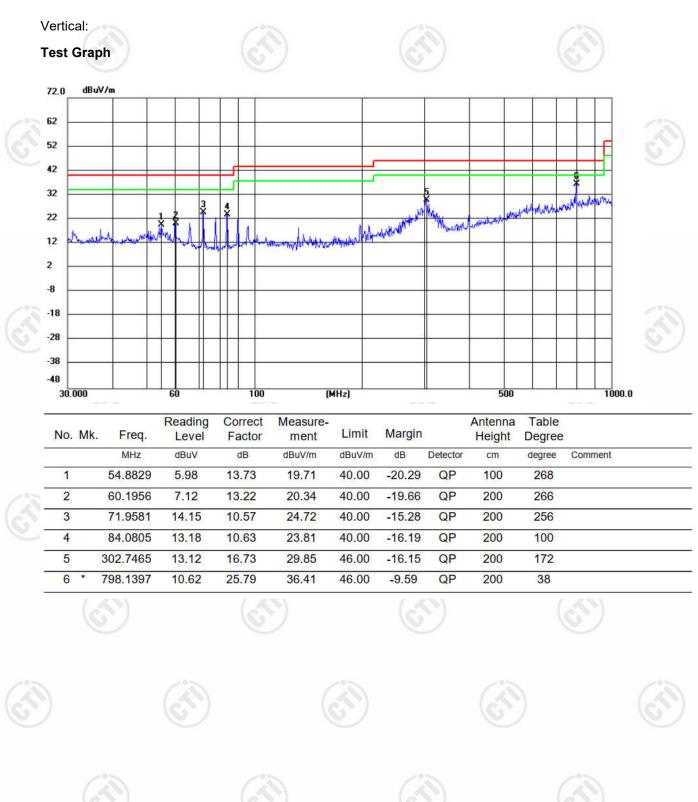
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## Radiated Spurious Emission above 1GHz:

	Mode	:		2.4G Transmitting			Channel:		2402 MHz	
3	NO	Freq. [MHz]	Factor [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1368.6369	8.07	37.26	45.33	74.00	28.67	Pass	Н	PK
_	2	3721.0481	-17.53	3 52.14	34.61	74.00	39.39	Pass	Н	PK
	3	5436.1624	-11.69	48.67	36.98	74.00	37.02	Pass	Н	PK
	4	7207.2805	-7.80	51.73	43.93	74.00	30.07	Pass	Н	PK
	5	10846.5231	-0.09	44.07	43.98	74.00	30.02	Pass	Н	PK
	6	14299.7533	6.37	40.94	47.31	74.00	26.69	Pass	Н	PK
	7	1293.0293	7.74	38.36	46.10	74.00	27.90	Pass	V	PK
	8	1930.493	8.97	36.57	45.54	74.00	28.46	Pass	V	PK
13	9	3897.0598	-16.87	50.87	34.00	74.00	40.00	Pass	V	PK
	10	7207.2805	-7.80	57.79	49.99	74.00	24.01	Pass	V	PK
_	11	9490.4327	-0.54	43.86	43.32	74.00	30.68	Pass	V	PK
	12	13670.7114	5.44	42.30	47.74	74.00	26.26	Pass	V	PK

	Mode	:	2.4	4GTransmittir	ng		Channel:		2458 MHz	
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1618.8619	8.10	38.02	46.12	74.00	27.88	Pass	Н	PK
	2	3888.0592	-16.91	51.11	34.20	74.00	39.80	Pass	Н	PK
	3	5648.1765	-11.82	48.47	36.65	74.00	37.35	Pass	Н	PK
1	4	7374.2916	-6.63	57.79	51.16	74.00	22.84	Pass	Н	PK
	5	11616.5744	0.83	43.58	44.41	74.00	29.59	Pass	Н	PK
	6	14251.7501	6.74	40.74	47.48	74.00	26.52	Pass	Н	PK
Ī	7	1505.8506	7.85	37.14	44.99	74.00	29.01	Pass	V	PK
	8	1881.0881	8.86	36.59	45.45	74.00	28.55	Pass	V	PK
Ī	9	4916.1277	-13.44	51.20	37.76	74.00	36.24	Pass	V	PK
	10	7374.2916	-6.63	62.51	55.88	74.00	18.12	Pass	V	PK
1	11	7375.2917	-6.63	57.84	51.21	54.00	2.79	Pass	V	AV
	12	10858.5239	0.03	44.81	44.84	74.00	29.16	Pass	V	PK
	13	14764.7843	8.31	38.51	46.82	74.00	27.18	Pass	V	PK











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	100			1000		105		1	-0		
	Mode:			2.4G Transmitti	ng		Channel:		2480 MHz		
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
	1	1468.6469	7.97	36.94	44.91	74.00	29.09	Pass	н	PK	
	2	1963.0963	8.97	37.79	46.76	74.00	27.24	Pass	Н	PK	
2	3	4697.1131	-13.75	49.67	35.92	74.00	38.08	Pass	Н	PK	
	4	7440.296	-6.29	58.14	51.85	74.00	22.15	Pass	Н	PK	
ĺ	5	11658.5772	0.29	43.89	44.18	74.00	29.82	Pass	Н	PK	
	6	14826.7885	7.92	38.70	46.62	74.00	27.38	Pass	Н	PK	
Ī	7	1391.6392	8.19	37.67	45.86	74.00	28.14	Pass	V	PK	
	8	2048.3048	9.25	37.42	46.67	74.00	27.33	Pass	V	PK	
Ī	9	4388.0925	-14.93	49.61	34.68	74.00	39.32	Pass	V	PK	
Ī	10	7440.296	-6.29	62.55	56.26	74.00	17.74	Pass	V	PK	
3	11	7441.2961	-6.28	57.78	51.50	54.00	2.50	Pass	V	AV	
	12	11679.5786	0.02	44.48	44.50	74.00	29.50	Pass	V	PK	
-	13	15315.8211	6.30	40.68	46.98	74.00	27.02	Pass	V	PK	

#### Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

2) Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.







## **Restricted bands:**

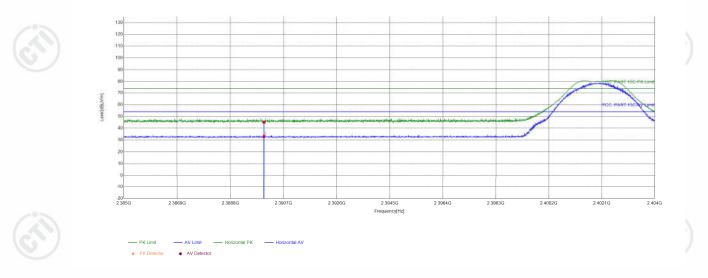




Test plot as follows:

Test_Mode	١	Test_Frequency	2402MHz
Tset_Engineer	chenjun	Test_Date	2024/06/08
Remark	1		(A)

**Test Graph** 



Suspected List											
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark		
1	2390	9.96	35.17	45.13	74.00	28.87	PASS	Horizontal	PK		
2	2390	9.96	23.02	32.98	54.00	21.02	PASS	Horizontal	AV		



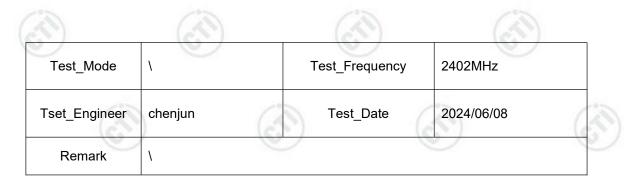




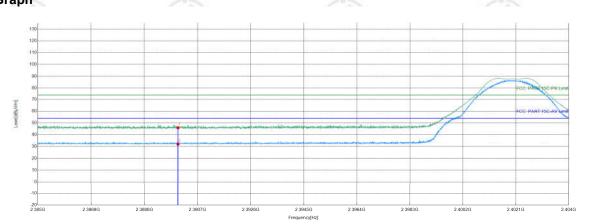








#### Test Graph



#### PK Limit + PK Detector · AV Detector

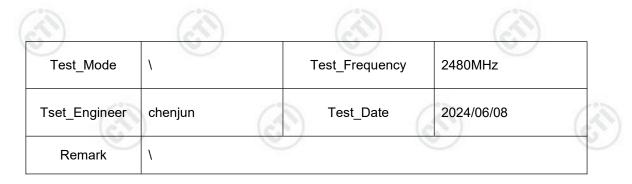
Suspected List										
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	2390	9.96	35.99	45.95	74.00	28.05	PASS	Vertical	PK	
2	2390	9.96	22.18	32.14	54.00	21.86	PASS	Vertical	AV	
0	57		(C)		(C)			(CT)		



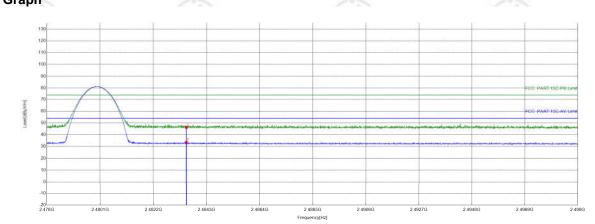








#### Test Graph

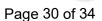


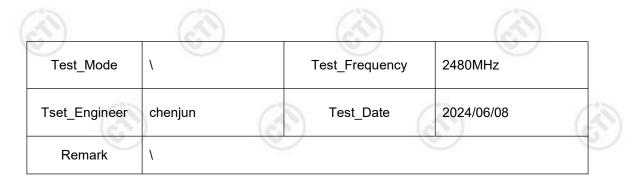
### PK Limit — AV Limit — Horizontal PK — Horizontal AV AV Detector

* T			1°2		12		1	2		2°2	
$\leq$	Suspected List										
2	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
ſ	1	2483.5	10.38	35.89	46.27	74.00	27.73	PASS	Horizontal	PK	
	2	2483.5	10.38	22.91	33.29	54.00	20.71	PASS	Horizontal	AV	
-	6			67		(C)			S)		

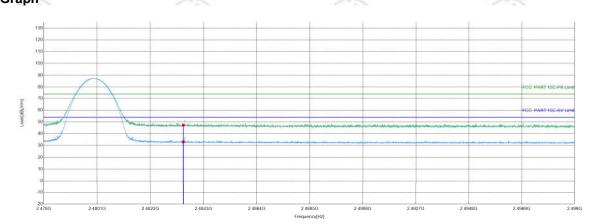








#### Test Graph



### \* AV Detecto

Suspecte	ed List	<u> </u>							
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	10.38	36.99	47.37	74.00	26.63	PASS	Vertical	PK
2	2483.5	10.38	22.78	33.16	54.00	20.84	PASS	Vertical	AV
0	51		G		G	<u>b</u>		GT	

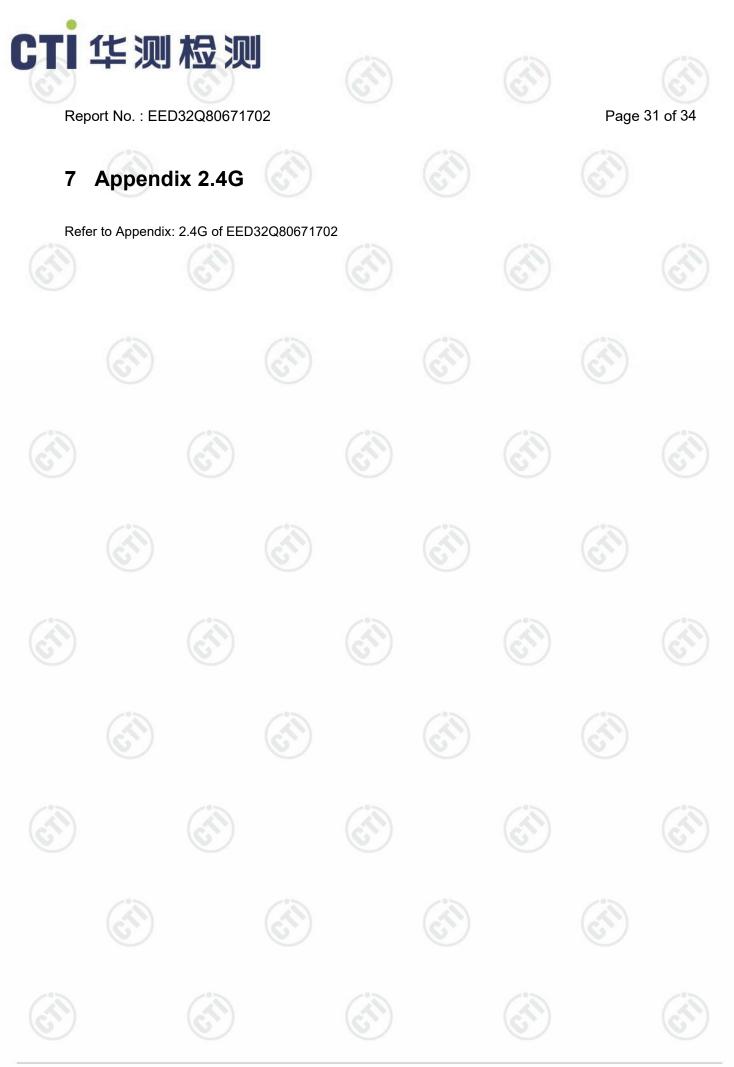
#### Note:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading -Correct Factor

Correct Factor = Preamplifier Factor-Antenna Factor-Cable Factor









# 9 PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No.EED32Q80671701 for EUT external and internal photos.

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