ACCREDITED
CERT #5473.03

No.:
FCCSZ2025-0068-EMC

TEST REPORT

NAME OF SAMPLE	:	**NeoEyes NE101 Sensing Camera**
APPLICANT	:	**Xiamen CamThink Technology Co., Ltd.**
CLASSIFICATION OF TEST	:	**N/A**

CVC Testing Technology (Shenzhen) Co., Ltd.

Applicant	**Name: Xiamen CamThink Technology Co., Ltd.** **Address: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China**
Manufacturer	**Name: Xiamen CamThink Technology Co., Ltd.** **Address: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China**
Equipment Under Test	**Product Name: NeoEyes NE101 Sensing Camera** **Model Name: NE101-HL01** **Additional Model Name: NT101-HL01** **Brand Name: CamThink** **Serial No.: N/A** **Sample NO.: 202507115892-1**

Date of Receipt.	**Jul. 14, 2025**	Date of Testing	**Jul. 14, 2025 ～ Aug. 06, 2025**

Test Specification	**Test Result**
FCC Part 15, Subpart B, Class B (SDOC)	PASS

Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC **Issue Date: Dec. 19, 2025**

Compiled by:	Reviewed by:	Approved by:
Zhu Yulin	Mo Xianbiao	Dong Sanbi
Name Signature	Name Signature	Name Signature

Other Aspects: NONE.

Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCCSZ2025-0068-EMC	Original release	Dec. 19, 2025

1. SUMMARY OF TEST RESULTS

EMISSION			
Standard	Test Item	Result	Remarks
FCC Part 15, Subpart B, Class B (SDOC)	Conducted Test	N/A	DC power supply
	Radiated Test (30MHz~ 1GHz)	PASS	Minimum passing margin is 22.35dB at 938.593MHz
	Radiated Test (Above 1GHz)	PASS	Minimum passing margin is 20.05dB at 9958.196MHz

1.1 LIST OF TEST AND MEASUREMENT INSTRUMENTS

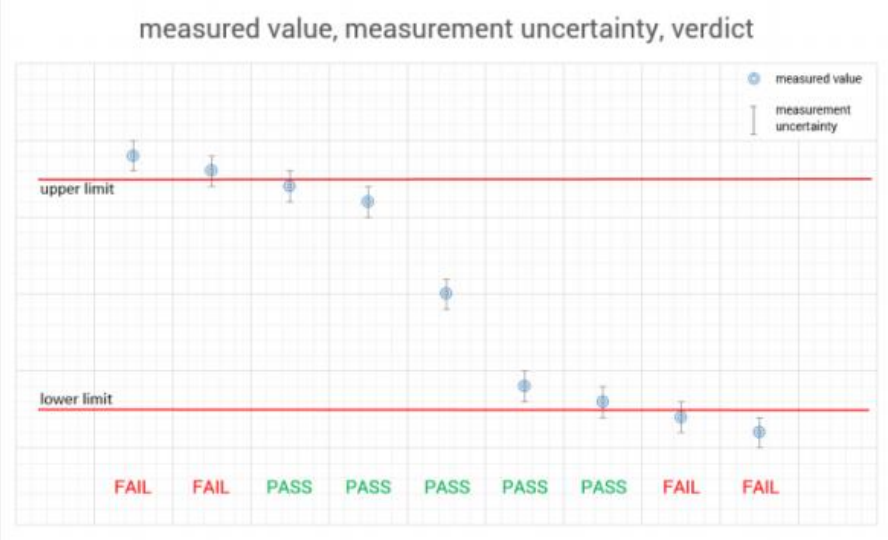
CE Test - 3M Chamber					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. interval**	**Cal. Due**
EMI Test Receiver	Rohde&Schwarz	ESR3	102693	1 year	2026/5/21
limiter(10 dB)	Rohde&Schwarz	VTSD 9561	01216	1 year	2026/4/22
Voltage probe	Rohde&Schwarz	CVP9222C	00028	1 year	2026/4/28
Current probe	Rohde&Schwarz	EZ-17	101442	1 year	2026/4/22
ISN network	Rohde&Schwarz	ENV 81	100401	1 year	2026/4/22
ISN network	Rohde&Schwarz	ENV 81 Cat6	101896	1 year	2026/4/22
#1Shielding room	MORI	854	N/A	3 year	2026/5/16
LISN	SCHWARZBECK	NSLK 8129	5021	1 year	2026/4/22
Temperature and humidity meter	/	C193561430	C193561430	1 year	2026/4/28
RE Test - 3M Chamber					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. interval**	**Cal. Due**
EMI Test Receiver	Rohde&Schwarz	ESR 26	101718	1 year	2026/5/21
Loop antenna(8.3k~30MHz)	Rohde&Schwarz	HFH2-Z2E	100951	1 year	2026/6/5
Antenna(30MHz~1000MHz)	SCHWARZBECK	VULB 9168	01132	1 year	2026/2/27
Horn antenna(1GHz-18GHz)	SCHWARZBECK	BBHA9120D	02793	1 year	2026/1/20
3m anechoic chamber	MORI	966	N/A	1 year	2026/5/18
Preamplifier(10kHz-1GHz)	Rohde&Schwarz	SCU-01F	100298	1 year	2026/4/22
Preamplifier(1GHz-18GHz)	Rohde&Schwarz	SCU-18F	100799	1 year	2026/4/22
Attenuator	/	SJ-5dB	607684	1 year	2026/2/27
#1 control room	MORI	433	/	1 year	2026/5/16
Temperature and humidity meter	/	C193561473	C193561473	1 year	2026/4/28

1.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

No.	Item	Measurement Uncertainty
1	Conducted emission test	+/- 2.7 dB
2	Radiated emission 30MHz-1GHz	+/- 4.6 dB
3	Radiated emission 1GHz-18GHz	+/- 4.4 dB
Remark: 95% Confidence Levels, k=2.		

Only the measured values related to their corresponding limits will be used to decide whether the equipment under test meets the requirements of the test standards listed.
The measurement uncertainty is mentioned in this test report, but is not taken into account - neither to the limits nor to the measurement results. Measurement results with a smaller margin to the corresponding limits than the measurement uncertainty have a potential risk of more than 5% that the decision might be wrong.



1.3 TEST LOCATION

The tests and measurements refer to this report were performed by EMC testing Lab of CVC Testing Technology (Shenzhen) Co., Ltd.

Address: No. 1301-14&16, Guanguang Road, Xinlan Community, Guanlan Subdistrict, Longhua District, Shenzhen, Guangdong, China

Post Code：518110 Tel：0755-23763060-8805
Fax：0755-23763060 E-mail：sz-kf@cvc.org.cn
FCC(Test firm designation number：CN1363)
IC(Test firm CAB identifier number：CN0137)
CNAS(Test firm designation number：L16091)

2. GENERAL INFORMATION

2.1 GENERAL PRODUCT INFORMATION

PRODUCT NAME	NeoEyes NE101 Sensing Camera
BRAND NAME	CamThink
MODEL NAME	NE101-HL01
ADDITIONAL MODEL NAME (Remark 4)	NT101-HL01
POWER SUPPLY	DC 6V(4*1.5V AAA battery)
OPERATING FREQUENCY	WiFi 2.4G: 2412MHz ~ 2462MHz
	WiFi HaLow: 903.5 ~ 926.5MHz for 1MHz 905 ~ 925MHz for 2MHz 906 ~ 922MHz for 4MHz 908 ~ 916MHz for 8MHz
I/O PORTS	Refer to User's Manual
CABLE SUPPLIED	N/A

Remark:

1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. EUT photo refer to the report (Report NO.: FCCSZ2025-0068-EUT).
4. This sample only differs in model name.

2.2 DESCRIPTION OF ACCESSORIES

N/A

2.3 INDEPENDENT OPERATION MODES

EMISSION Test Modes		
For Radiated Emission Tests		
Test Mode		**Test Voltage**
1	**Normal Working + WiFi Link + WiFi Halow Link**	**DC 6V**
Remark: The above test modes in boldface were the worst cases, only the test data of these modes were reported.		

2.4 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to the specifications of the manufacturers, the EUT must comply with the requirements of the following standards:

FCC PART 15, SUBPART B, CLASS B (SDOC)

ANSI C63.4:2014

All test items have been performed and recorded as per the above standards.

2.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support Equipment					
NO	Description	Brand	Model No.	Serial Number	Supplied by
1	N/A	N/A	N/A	N/A	N/A

Support Cable							
NO	Description	Quantity (Number)	Length (m)	Detachable (Yes/ No)	Shielded (Yes/ No)	Cores (Number)	Supplied by
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

3. EMISSION

3.1 RADIATED EMISSION

3.1.1 LIMITS OF RADIATED EMISSION

TEST STANDARD:
FCC Part 15, Subpart B (Section: 15.109), for above 1GHz(section 3.2.2 Table 4)
FCC Part 15, Subpart B

Frequency (MHz)	Distance (m)	Class A (dBuV)	Class B (dBuV)
30 - 88	3	QP: 49.5	QP: 40
88 - 216	3	QP: 54	QP: 43.5
216 - 960	3	QP: 56.9	QP: 46
960-1000	3	QP: 60	QP: 54
Above 1000	3	Avg: 60 Peak: 80	Avg: 54 Peak: 74
NOTE: 1. The lower limit shall apply at the transition frequencies. NOTE: 2. Emission level (dBuV/m) = 20 log Emission level (uV/m). NOTE: 3. All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.			

3.1.2 TEST PROCEDURES

The basic test procedure was in accordance withANSI C63.4:2014 (section 12).

1. From 30 MHz to 1GHz test procedure as below:

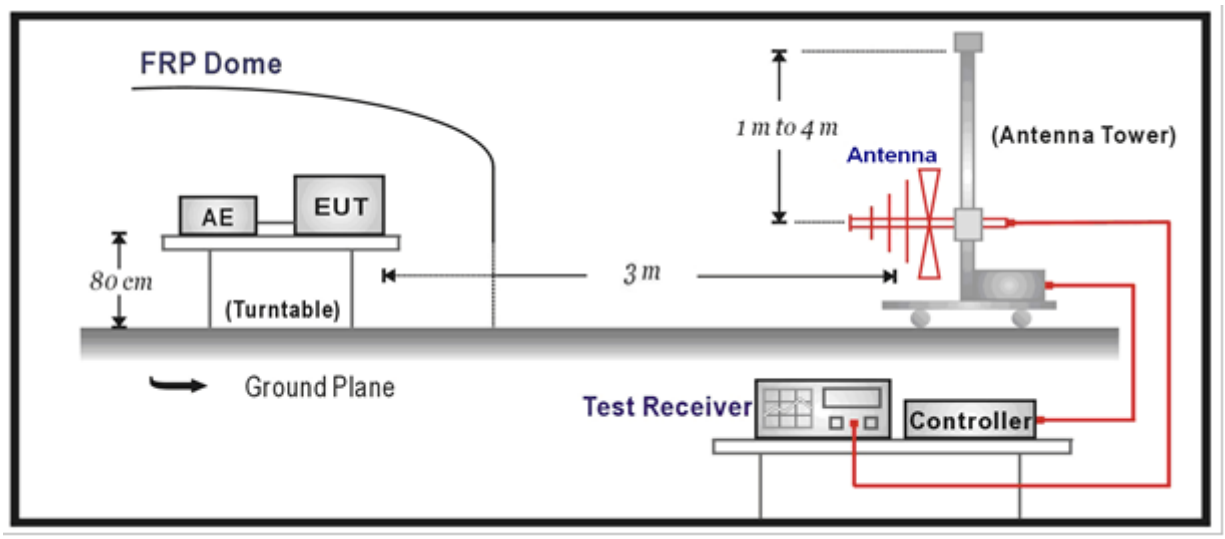
1) The radiated emissions were tested in a semi-anechoic chamber.
2) The Product was placed on the non-conductive turntable 0.1 m above the ground at a chamber.
3) Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 120 kHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied between 1~4 m in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.
4) For each frequency whose maximum record was higher or close to limit, measure its QP value: vary the antenna's height and rotate the turntable from 0 to 360 degrees to find the height and degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to QP Detector and specified bandwidth with Maximum Hold Mode, and record the maximum value.

2. Above 1GHz test procedure as below:

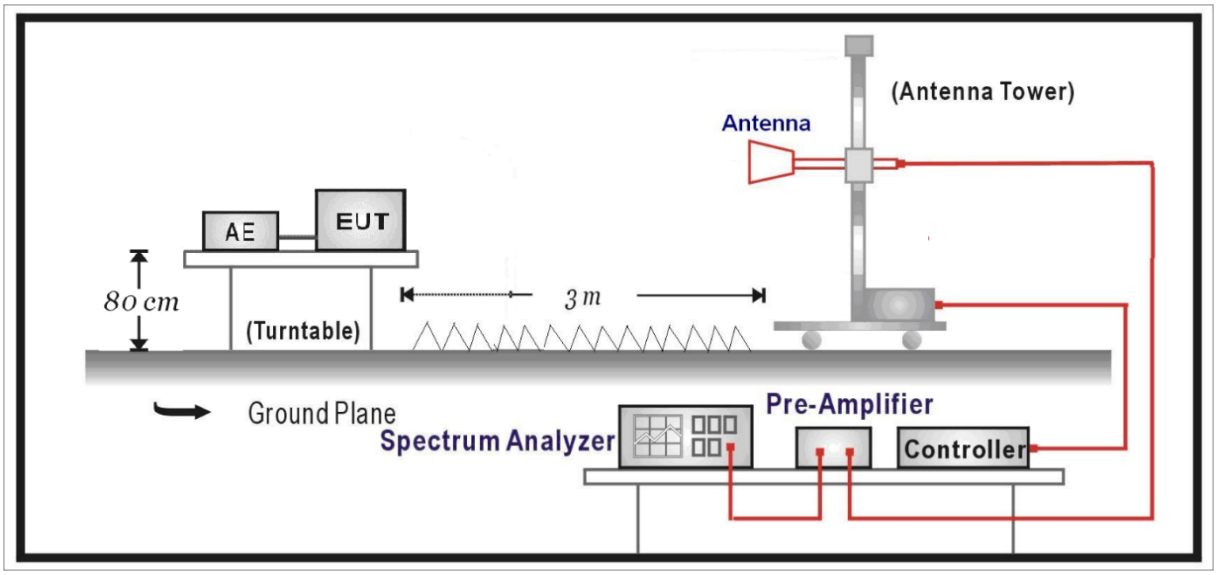
1) The radiated emissions were tested in a fully Anechoic Chamber.
2) Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 1MHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.
3) For each frequency whose maximum record was higher or close to limit, measure its AV value: rotate the turntable from 0 to 360 degrees to find the degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to AV value and specified bandwidth with Maximum Hold Mode, and record the maximum value.

3.1.3 TEST SETUP

Below 1GHz Test Setup:



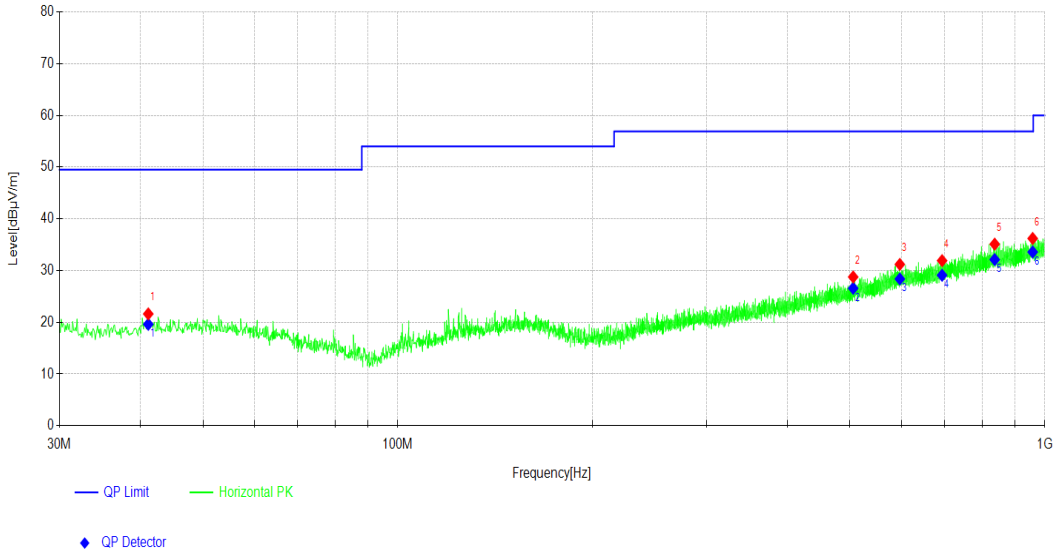
Above 1GHz Test Setup:



3.1.4 TEST RESULTS (Below 1GHz)

Test Mode:	See section 2.3	Frequency Range	30-1000MHz
Test Voltage	See section 2.3	Detector Function	Quasi-Peak
Environmental Conditions	25.1deg. C,54% RH	Tested By	Zhou Ye

Horizontal

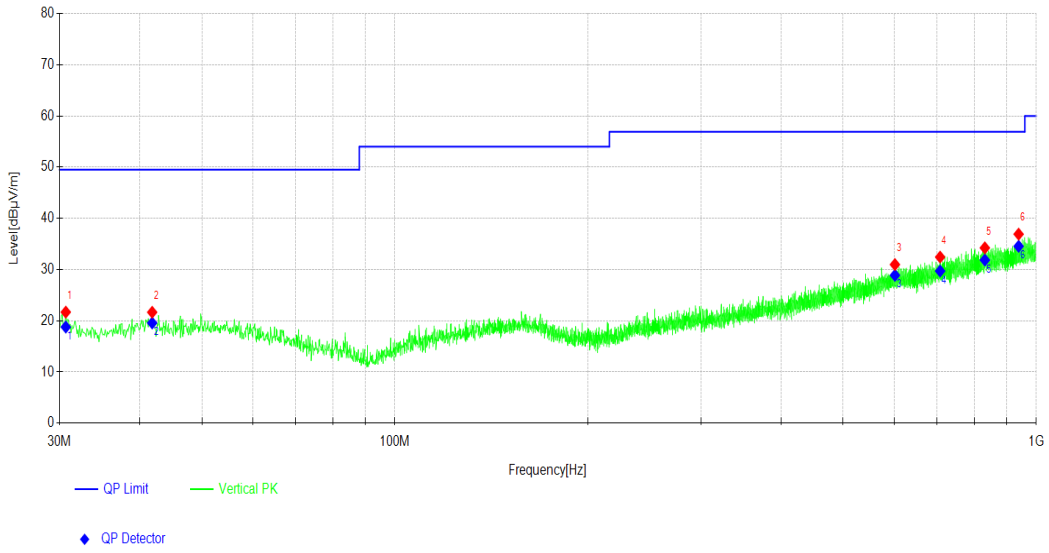


NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]
1	41.156	0.09	19.53	19.62	49.50	29.88	100	110
2	505.736	1.20	25.38	26.58	56.90	30.32	100	180
3	597.022	1.00	27.38	28.38	56.90	28.52	200	340
4	693.934	0.42	28.68	29.10	56.90	27.80	100	30
5	836.733	1.32	30.81	32.13	56.90	24.77	100	260
6	957.898	1.34	32.25	33.59	56.90	23.31	200	10

Remark: 1. 9KHz~30MHz have been test and test data more than 20dB margin.
2. The emission levels of other frequencies were greater than 20dB margin.
3. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).
4. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
5. Margin(dB) = Limit[dBµV/m] - Level [dBµV/m]

Test Mode:	See section 2.3	Frequency Range	30-1000MHz
Test Voltage	See section 2.3	Detector Function	Quasi-Peak
Environmental Conditions	25.1deg. C,54% RH	Tested By	Zhou Ye

Vertical



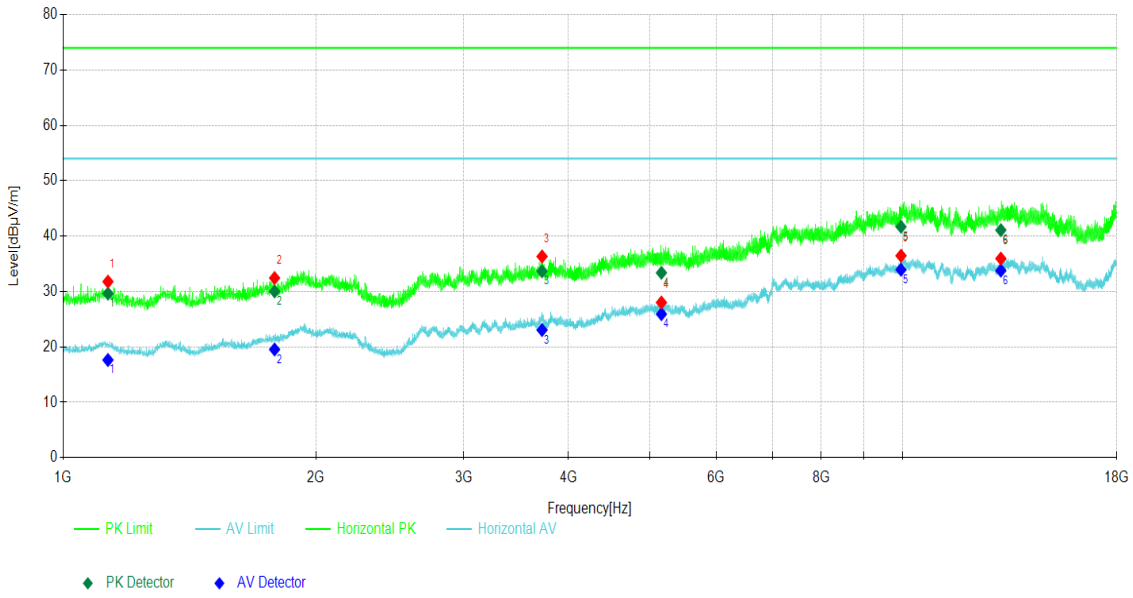
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]
1	30.679	-0.02	18.80	18.78	49.50	30.72	100	40
2	41.835	-0.10	19.68	19.58	49.50	29.92	100	20
3	602.066	1.32	27.57	28.89	56.90	28.01	100	20
4	708.098	0.92	28.80	29.72	56.90	27.18	100	220
5	831.494	1.07	30.80	31.87	56.90	25.03	100	300
6	**938.593**	**2.52**	**32.03**	**34.55**	**56.90**	**22.35**	**100**	**330**

Remark: 1. 9KHz~30MHz have been test and test data more than 20dB margin.
2. The emission levels of other frequencies were greater than 20dB margin.
3. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).
4. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
5. Margin(dB) = Limit[dBµV/m] - Level [dBµV/m]

3.1.5 TEST RESULTS (Above 1GHz)

Test Mode	See section 2.3	**Frequency Range**	Above 1GHz
Test Voltage	See section 2.3	**Detector Function**	PK/AV
Environmental Conditions	25.1deg. C,54% RH	**Tested By**	Zhou Ye

Horizontal

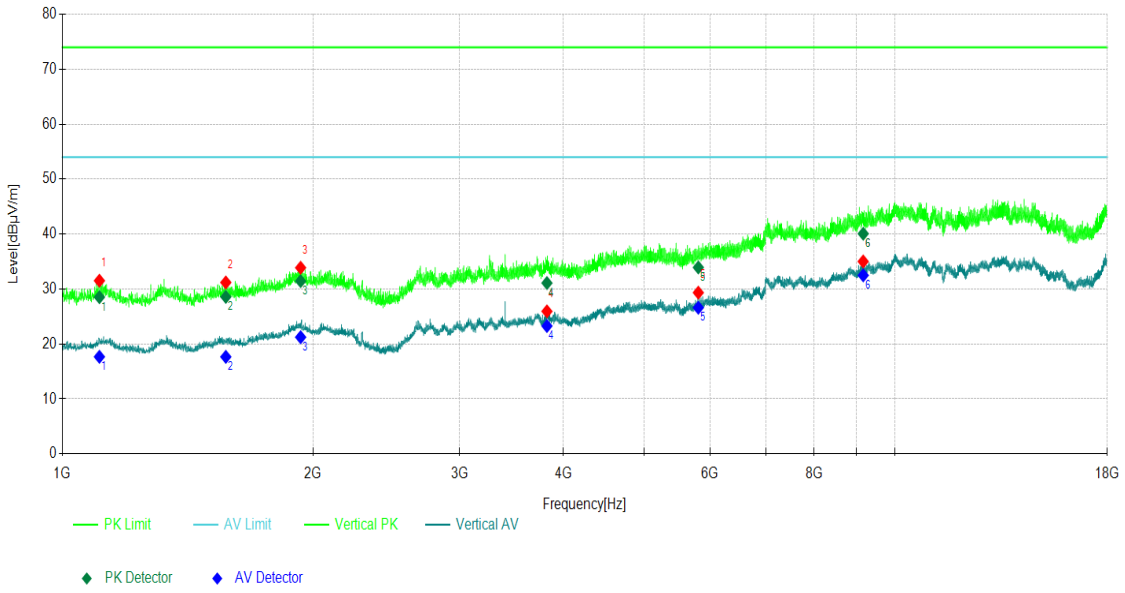


NO.	Frequency [MHz]	Factor [dB]	PK Value [dBµV/m]	PK Limit [dBµV/m]	PK Margin [dB]	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]
1	1130.813	-29.71	29.64	74.00	44.36	17.64	54.00	36.36	100	57
2	1786.079	-27.97	30.02	74.00	43.98	19.54	54.00	34.46	100	22
3	3720.072	-23.13	33.66	74.00	40.34	23.06	54.00	30.94	100	166
4	5161.416	-18.63	33.39	74.00	40.61	25.92	54.00	28.08	100	205
5	**9958.196**	**-8.60**	**41.70**	**74.00**	**32.30**	**33.95**	**54.00**	**20.05**	**100**	**2**
6	13096.810	-6.89	41.09	74.00	32.91	33.78	54.00	20.22	100	326

Remark: 1. Above 18GHz have been test and test data more than 20dB margin.
2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBµV/m] - Level [dBµV/m]

Test Mode	See section 2.3	**Frequency Range**	Above 1GHz
Test Voltage	See section 2.3	**Detector Function**	PK/AV
Environmental Conditions	25.1deg. C,54% RH	**Tested By**	Zhou Ye

Vertical



NO.	Frequency [MHz]	Factor [dB]	PK Value [dBµV/m]	PK Limit [dBµV/m]	PK Margin [dB]	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]
1	1108.011	-29.69	28.53	74.00	45.47	17.67	54.00	36.33	100	91
2	1571.857	-29.22	28.57	74.00	45.43	17.66	54.00	36.34	100	183
3	1933.093	-25.97	31.45	74.00	42.55	21.24	54.00	32.76	100	295
4	3820.882	-22.82	31.10	74.00	42.90	23.27	54.00	30.73	100	115
5	5807.681	-17.08	33.94	74.00	40.06	26.61	54.00	27.39	100	188
6	9163.916	-10.49	40.07	74.00	33.93	32.50	54.00	21.50	100	210

Remark: 1. Above 18GHz have been test and test data more than 20dB margin.
2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBµV/m] - Level [dBµV/m]

4. PHOTOGRAPHS OF TEST SETUP

RADIATED EMISSION TEST (Below 1GHz)

RADIATED EMISSION TEST (Above 1GHz)

5. PHOTOGRAPHS OF THE EUT

Please refer to the attached file (External Photos and Internal Photos).

------ End of the Report ------

Important

(1) The test report is invalid without the official stamp of CVC;

(2) Any part photocopies of the test report are forbidden without the written permission from CVC;

(3) The test report is invalid without the signatures of tester, reviewer and approver;

(4) The test report is invalid if altered;

(5) Objections to the test report must be submitted to CVC within 15 days;

(6) Generally, commission test results apply to the samples as received. The sample information is provided by the customer and laboratory is not responsible for its authenticity;

(7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

Address: No. 1301-14&16, Guanguang Road, Xinlan Community, Guanlan Subdistrict, Longhua District, Shenzhen, Guangdong, China

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