

EMC Test Report

Report No.: JYTSZ-R01-2600310

Applicant: Aratek Biometrics Co.,Ltd.

Address of Applicant: 1F,T2-B building, Shenzhen Hi-tech Industrial Park,518057
Shenzhen, China

Equipment Under Test (EUT)

Product Name: AI IP Camera

Model No.: TE100G

Trade Mark: N/A

FCC ID: 2AGUJ-TE100G

Applicable Standards: FCC CFR Title 47 Part 15B

Date of Sample Receipt: 17 Aug., 2026

Date of Test: 18 Aug., to 19 Aug., 2026

Date of report Issued: 19 Aug., 2026

Test Result: PASS

Project by: Robin Gu

Date: 19 Aug., 2026

Reviewed by: Yiwei Zhang

Date: 19 Aug., 2026

Approved by: James Wei

Date: 19 Aug., 2026

Manager

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	19 Aug., 2026	Original

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3 General Information

3.1 Client Information

Applicant:	Aratek Biometrics Co.,Ltd.
Address:	1F,T2-B building, Shenzhen Hi-tech Industrial Park,518057 Shenzhen, China
Manufacturer:	Aratek Biometrics Co.,Ltd.
Address:	1F,T2-B building, Shenzhen Hi-tech Industrial Park,518057 Shenzhen, China
Factory:	Aratek Biometrics Co.,Ltd
Address:	4th Floor, Building B, No.1 Park Xinqiaodong Manufacturing Industrial Park Bao'An distrcit ShenZhen, China

3.2 General Description of E.U.T.

Product Name:	AI IP Camera
Model No.:	TE100G
Power Supply:	DC 12V POE 48V
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Disclaimer

Disclaimer:
For the information or data provided by the client in this report, the relevant results or conclusions of this report are only made for these data or information. The testing laboratory is not responsible for the authenticity and accuracy of these data or information.

3.4 Test Mode

Operating Mode	Detail Description
Working mode 1	Keep the EUT in Working mode with DC power supply (supply by AC/DC power adapter)
Working mode 2	Keep the EUT in Working mode with PoE power supply (supply by Giga PoE Injector)
1.The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. 2. During the test, pre-scan 110Vac/60Hz and 220Vac/50Hz of the Power supply, found 220Vac/50Hz was worse case mode.	

3.5 Description of Test Auxiliary Equipment

Manufacturer	Description	Model	S/N	FCC ID/DoC
Lenovo	Laptop	ThinkPad T14 Gen 1	SL10Z47277	DoC
TP-LINK	Router	TL-WVR300	1204AUL00016	DoC
Shenzhen Ruide Electronic Industrial Co., Ltd.	AC/DC power adapter	RD1203000-343OG	/	DoC
RISUNIC Technology(ShenZhen) Co.,Ltd.	Giga PoE Injector	RP020-4800500EUG	202401004863	DoC

3.6 Description of Cable Used

Cable Type	Description	Length	From	To
/	/	/	/	/

3.7 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 150kHz)	3.0 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	2.5 dB
Radiated Emission (30MHz ~ 200MHz) (3m SAC)	4.7 dB
Radiated Emission (200MHz ~ 1000MHz) (3m SAC)	5.8 dB
Radiated Emission (1GHz ~ 6GHz) (3m SAC)	4.5 dB
Radiated Emission (6GHz ~ 18GHz) (3m SAC)	4.5 dB

Note: All the measurement uncertainty value were shown with a coverage $k=2$ to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

3.8 Additions to, Deviations, or Exclusions from the Method

No

3.9 Laboratory Facility

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

● **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A.

● **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

● **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

3.10 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

3.11 Test Instruments List

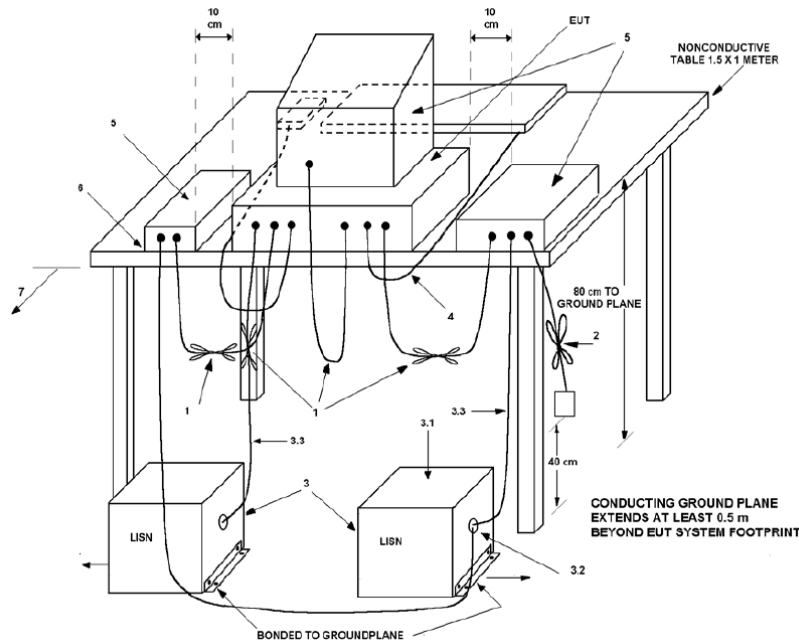
Radiated Emission(3m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	WXJ001-1	12-09-2025	12-08-2030
BiConiLog Antenna	Schwarzbeck	VULB9168	WXJ090-2	12-15-2025	12-14-2026
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	12-07-2025	12-06-2026
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	12-04-2025	12-03-2026
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	12-04-2025	12-03-2026
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	12-04-2025	12-03-2026
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-04-2025	12-03-2026
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-14-2026	01-13-2027
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-14-2026	01-13-2027
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Conducted Emission:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESR3	WXJ003-2	04-29-2026	04-28-2027
LISN	Rohde & Schwarz	ENV432	WXJ005-2	08-08-2025	08-07-2026
				08-03-2026	08-02-2027
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	01-14-2026	01-13-2027
RF Switch	TOP PRECISION	RSU0301	WXG003	N/A	
Test Software	AUDIX	E3	Version: 6.110919b		

4 Measurement Setup and Procedure

4.1 Test Setup

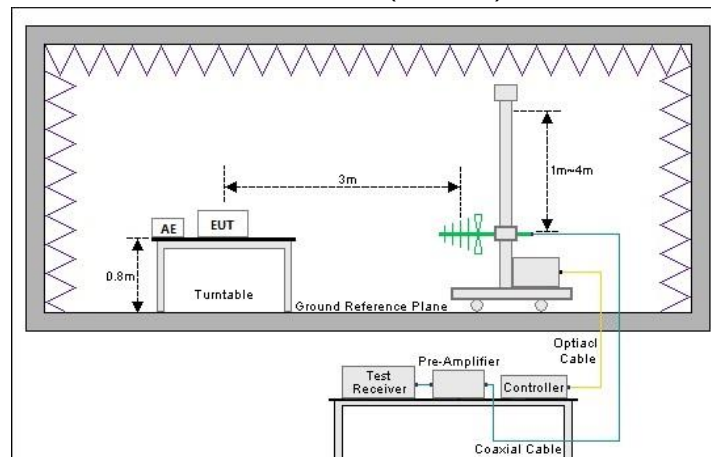
1) Conducted emission measurement:

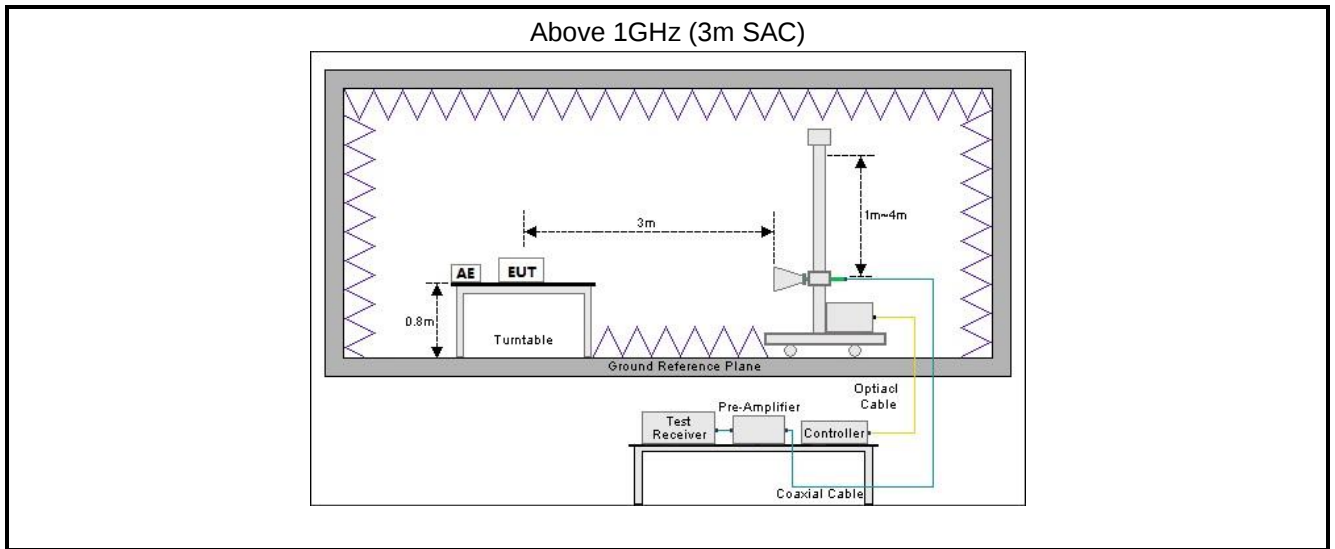


Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

Below 1GHz (3m SAC)





4.2 Test Procedure

Test method	Test step
Conducted emission	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4 on conducted measurement.
Radiated emission	For below 1GHz: 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. For above 1GHz: 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.

5 Test Results

5.1 Summary

5.1.1 Clause and data summary

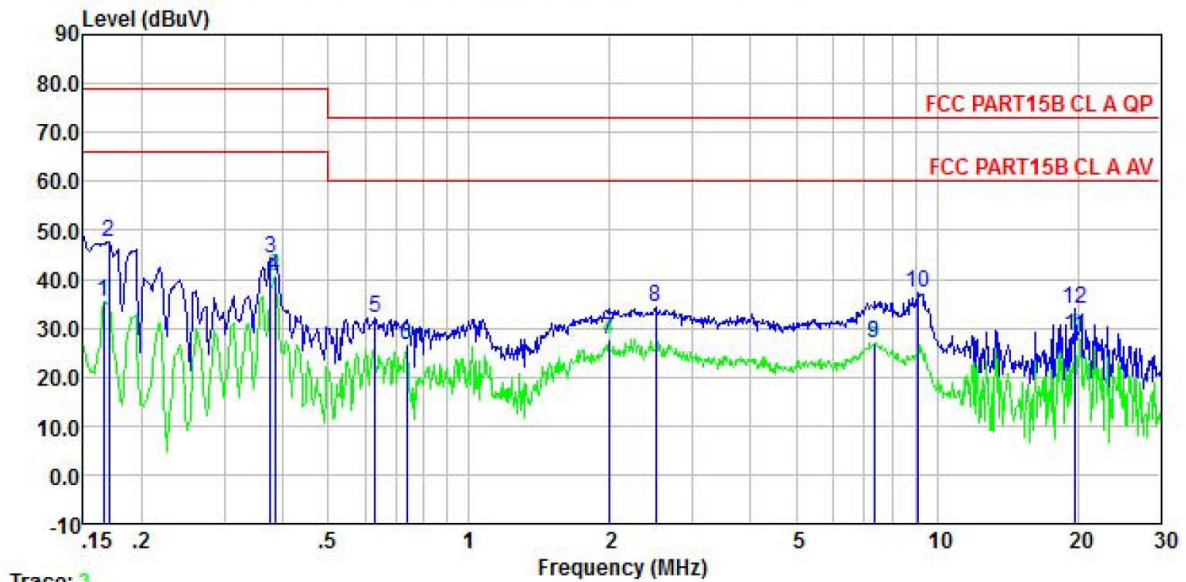
Test items	Standard clause	Test data	Result
Conducted Emission	Part 15.107	See Section 5.2	Pass
Radiated Emission	Part 15.109	See Section 5.3	Pass
Remark: 1. The EUT is a Class A digital device. 2. Pass: The EUT complies with the essential requirements in the standard. 3. N/A: Not Applicable.			
Test Method:	ANSI C63.4:2014		

5.1.2 Test Limit

Test items	Limit																																																					
Conducted Emission	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Class A Limit (dBμV)</th><th colspan="2">Class B Limit (dBμV)</th></tr><tr><th>Quasi-Peak</th><th>Average</th><th>Quasi-Peak</th><th>Average</th></tr><tr><td>0.15 – 0.5</td><td>79</td><td>66</td><td>66 to 56 Note 1</td><td>56 to 46 Note 1</td></tr><tr><td>0.5 – 5</td><td>73</td><td>60</td><td>56</td><td>46</td></tr><tr><td>5 – 30</td><td>73</td><td>60</td><td>60</td><td>50</td></tr><tr><td colspan="5">Note 1: The limit level in dBμV decreases linearly with the logarithm of frequency.</td></tr><tr><td colspan="5">Note 2: The more stringent limit applies at transition frequencies.</td></tr></table>	Frequency (MHz)	Class A Limit (dBμV)		Class B Limit (dBμV)		Quasi-Peak	Average	Quasi-Peak	Average	0.15 – 0.5	79	66	66 to 56 Note 1	56 to 46 Note 1	0.5 – 5	73	60	56	46	5 – 30	73	60	60	50	Note 1: The limit level in dBμV decreases linearly with the logarithm of frequency.					Note 2: The more stringent limit applies at transition frequencies.																							
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Radiated Emission	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Class A Limit (dBμV/m)</th><th colspan="2">Class B Limit (dBμV/m)</th></tr><tr><th>Quasi-Peak @ 3m</th><th>Quasi-Peak @ 10m</th><th>Quasi-Peak @ 3m</th><th>Quasi-Peak @ 10m</th></tr><tr><td>30 – 88</td><td>49.0</td><td>39.0</td><td>40.0</td><td>30.0</td></tr><tr><td>88 – 216</td><td>53.5</td><td>43.5</td><td>43.5</td><td>33.5</td></tr><tr><td>216 – 960</td><td>56.0</td><td>46.0</td><td>46.0</td><td>36.0</td></tr><tr><td>960 – 1000</td><td>60.0</td><td>50.0</td><td>54.0</td><td>44.0</td></tr><tr><td colspan="5">Note: The more stringent limit applies at transition frequencies.</td></tr><tr><th rowspan="2">Frequency</th><th colspan="2">Class A Limit (dBμV/m) @ 3m</th><th colspan="2">Class B Limit (dBμV/m) @ 3m</th></tr><tr><th>Average</th><th>Peake</th><th>Average</th><th>Peake</th></tr><tr><td>Above 1 GHz</td><td>60.0</td><td>80.0</td><td>54.0</td><td>74.0</td></tr><tr><td colspan="5">Note: The measurement bandwidth shall be 1 MHz or greater.</td></tr></table>	Frequency (MHz)	Class A Limit (dBμV/m)		Class B Limit (dBμV/m)		Quasi-Peak @ 3m	Quasi-Peak @ 10m	Quasi-Peak @ 3m	Quasi-Peak @ 10m	30 – 88	49.0	39.0	40.0	30.0	88 – 216	53.5	43.5	43.5	33.5	216 – 960	56.0	46.0	46.0	36.0	960 – 1000	60.0	50.0	54.0	44.0	Note: The more stringent limit applies at transition frequencies.					Frequency	Class A Limit (dBμV/m) @ 3m		Class B Limit (dBμV/m) @ 3m		Average	Peake	Average	Peake	Above 1 GHz	60.0	80.0	54.0	74.0	Note: The measurement bandwidth shall be 1 MHz or greater.				
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	88 – 216	53.5	43.5	43.5	33.5																																																	
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	960 – 1000	60.0	50.0	54.0	44.0																																																	
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5.2 Conducted Emission

Product name:	AI IP Camera	Product model:	TE100G
Test by:	Kiran Zeng	Test mode:	Working mode 1
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 220 V/50 Hz		

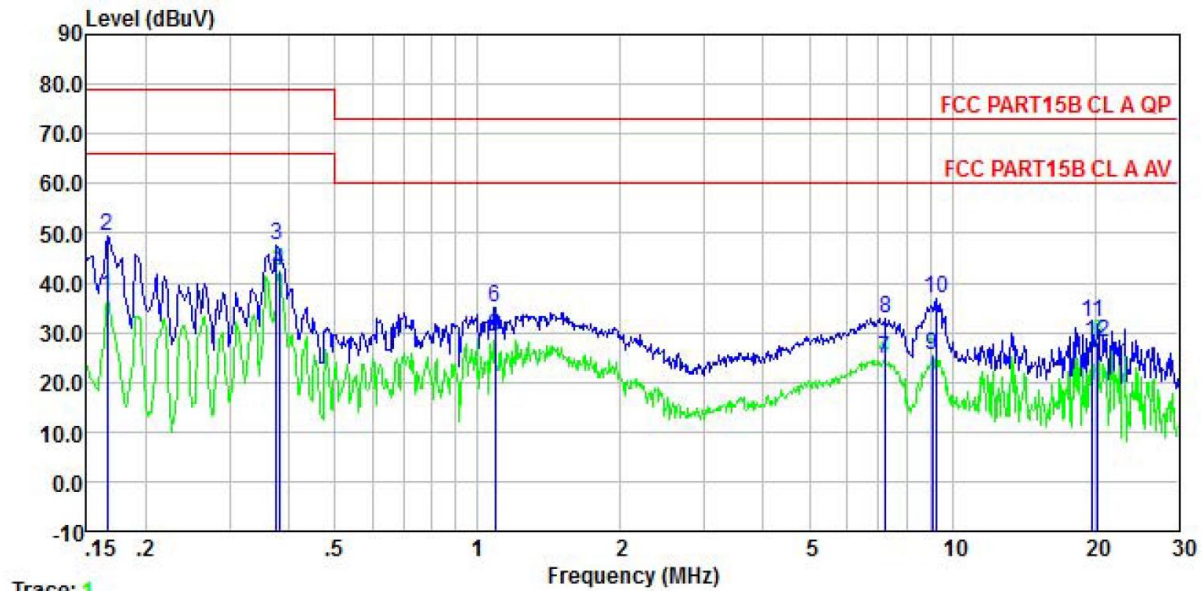


	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.166	15.32	10.17	0.00	9.88	0.00	35.37	66.00	-30.63	Average
2	0.170	27.36	10.15	0.00	9.88	0.00	47.39	79.00	-31.61	QP
3	0.377	24.41	10.10	0.00	9.88	0.00	44.39	79.00	-34.61	QP
4	0.385	20.40	10.10	0.00	9.88	0.00	40.38	66.00	-25.62	Average
5	0.630	12.10	10.18	0.00	9.88	0.00	32.16	73.00	-40.84	QP
6	0.735	6.61	10.13	0.00	9.88	0.00	26.62	60.00	-33.38	Average
7	1.991	7.61	10.10	0.00	9.88	0.00	27.59	60.00	-32.41	Average
8	2.500	14.05	10.21	0.00	9.88	0.00	34.14	73.00	-38.86	QP
9	7.329	6.61	10.39	0.00	9.90	0.00	26.90	60.00	-33.10	Average
10	9.059	16.87	10.33	0.00	9.91	0.00	37.11	73.00	-35.89	QP
11	19.740	8.04	10.42	0.00	9.96	0.00	28.42	60.00	-31.58	Average
12	19.740	13.60	10.42	0.00	9.96	0.00	33.98	73.00	-39.02	QP

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

Product name:	AI IP Camera	Product model:	TE100G
Test by:	Kiran Zeng	Test mode:	Working mode 1
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 220 V/50 Hz		



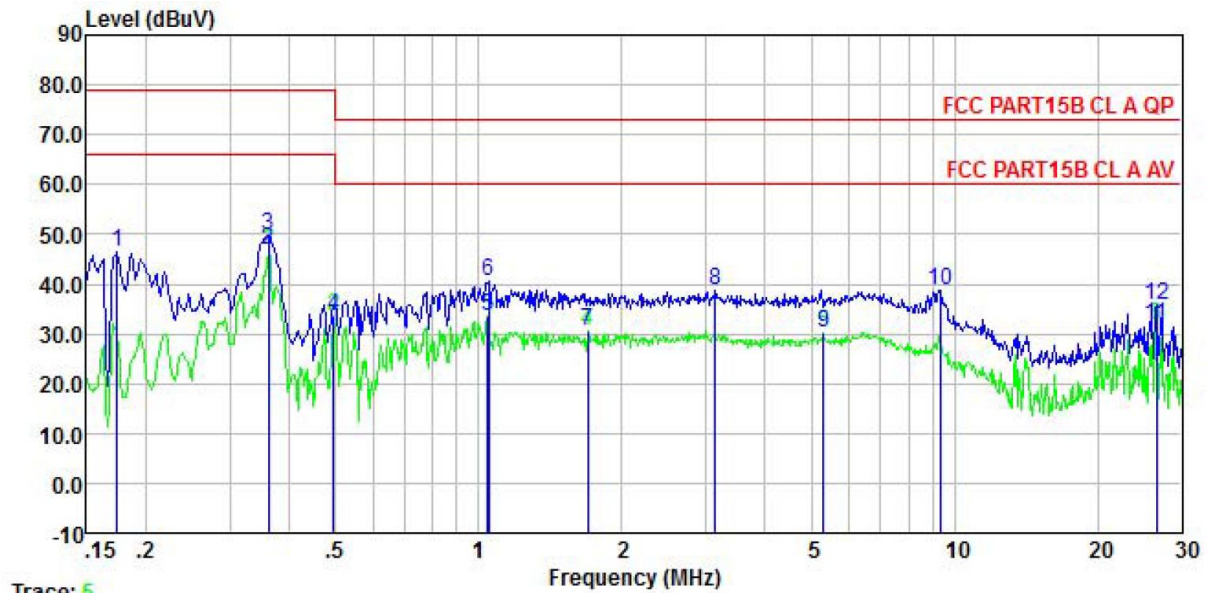
	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.166	16.99	10.20	0.00	9.88	0.00	37.07	66.00	-28.93	Average
2	0.166	29.51	10.20	0.00	9.88	0.00	49.59	79.00	-29.41	QP
3	0.377	27.40	10.11	0.00	9.88	0.00	47.39	79.00	-31.61	QP
4	0.381	22.33	10.11	0.00	9.88	0.00	42.32	66.00	-23.68	Average
5	1.088	9.15	10.21	0.00	9.88	0.00	29.24	60.00	-30.76	Average
6	1.088	14.89	10.21	0.00	9.88	0.00	34.98	73.00	-38.02	QP
7	7.213	4.39	10.30	0.00	9.90	0.00	24.59	60.00	-35.41	Average
8	7.252	12.78	10.30	0.00	9.90	0.00	32.98	73.00	-40.02	QP
9	9.059	5.38	10.30	0.00	9.91	0.00	25.59	60.00	-34.41	Average
10	9.253	16.73	10.30	0.00	9.91	0.00	36.94	73.00	-36.06	QP
11	19.740	11.59	10.60	0.00	9.96	0.00	32.15	73.00	-40.85	QP
12	20.270	7.58	10.60	0.00	9.96	0.00	28.14	60.00	-31.86	Average

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

POE mode:

Product name:	AI IP Camera	Product model:	TE100G
Test by:	Kiran Zeng	Test mode:	Working mode 2
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 220 V/50 Hz		

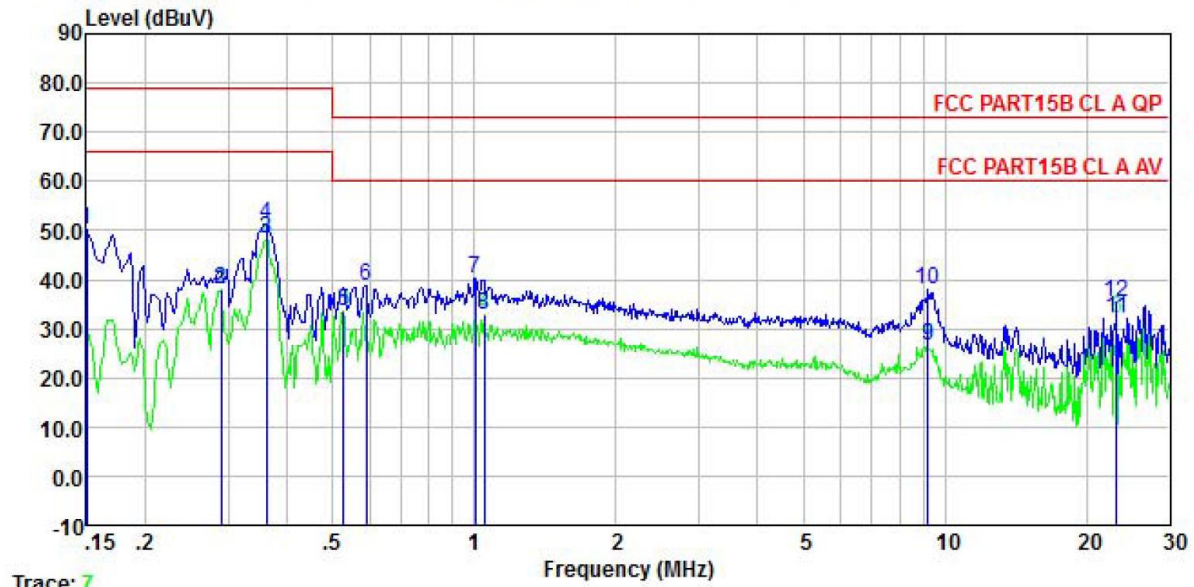


	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.174	26.45	10.15	0.00	9.88	0.00	46.48	79.00	-32.52	QP
2	0.361	26.78	10.10	0.00	9.88	0.00	46.76	66.00	-19.24	Average
3	0.361	29.89	10.10	0.00	9.88	0.00	49.87	79.00	-29.13	QP
4	0.497	13.43	10.15	0.00	9.88	0.00	33.46	66.00	-32.54	Average
5	1.043	13.37	10.19	0.00	9.88	0.00	33.44	60.00	-26.56	Average
6	1.049	20.37	10.19	0.00	9.88	0.00	40.44	73.00	-32.56	QP
7	1.698	10.73	10.12	0.00	9.88	0.00	30.73	60.00	-29.27	Average
8	3.140	18.71	10.27	0.00	9.89	0.00	38.87	73.00	-34.13	QP
9	5.305	10.11	10.32	0.00	9.89	0.00	30.32	60.00	-29.68	Average
10	9.302	18.43	10.32	0.00	9.91	0.00	38.66	73.00	-34.34	QP
11	26.558	11.38	10.33	0.00	10.02	0.00	31.73	60.00	-28.27	Average
12	26.558	15.25	10.33	0.00	10.02	0.00	35.60	73.00	-37.40	QP

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

Product name:	AI IP Camera	Product model:	TE100G
Test by:	Kiran Zeng	Test mode:	Working mode 2
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 220 V/50 Hz		



	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.150	30.19	10.20	0.00	9.88	0.00	50.27	79.00	-28.73	QP
2	0.289	17.84	10.15	0.00	9.88	0.00	37.87	66.00	-28.13	Average
3	0.361	28.20	10.12	0.00	9.88	0.00	48.20	66.00	-17.80	Average
4	0.361	31.23	10.12	0.00	9.88	0.00	51.23	79.00	-27.77	QP
5	0.527	13.27	10.24	0.00	9.88	0.00	33.39	60.00	-26.61	Average
6	0.589	18.57	10.29	0.00	9.88	0.00	38.74	73.00	-34.26	QP
7	1.005	20.12	10.20	0.00	9.88	0.00	40.20	73.00	-32.80	QP
8	1.049	12.66	10.21	0.00	9.88	0.00	32.75	60.00	-27.25	Average
9	9.204	6.24	10.30	0.00	9.91	0.00	26.45	60.00	-33.55	Average
10	9.204	17.69	10.30	0.00	9.91	0.00	37.90	73.00	-35.10	QP
11	23.140	11.56	10.56	0.00	9.99	0.00	32.11	60.00	-27.89	Average
12	23.140	14.73	10.56	0.00	9.99	0.00	35.28	73.00	-37.72	QP

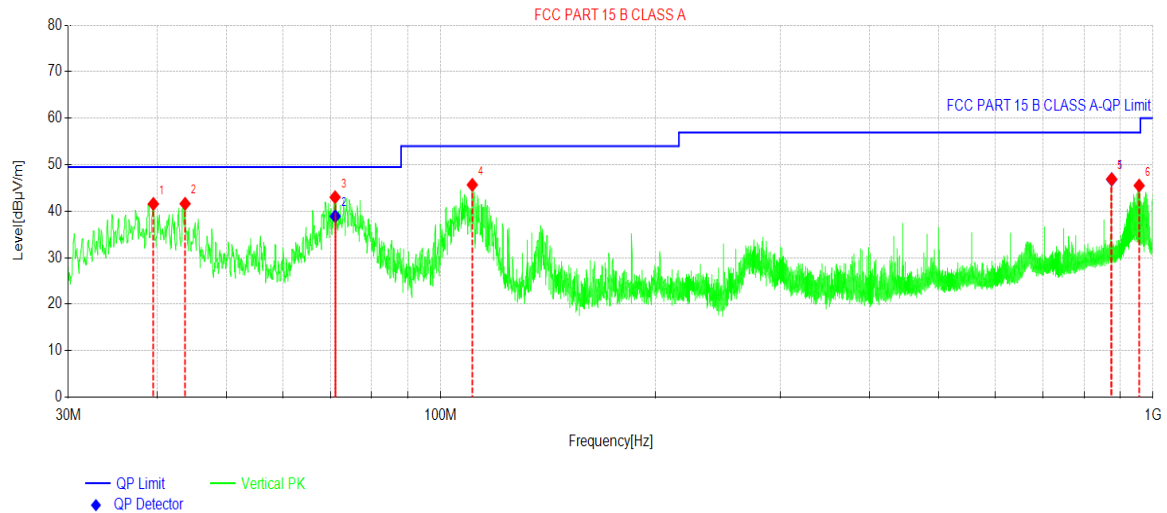
Remark:

1. Level = Read level + LISN Factor + Cable Loss.

5.3 Radiated Emission

Below 1GHz:

Product Name:	AI IP Camera	Product Model:	TE100G
Test By:	Kiran Zeng	Test mode:	Working mode 1
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 220 V/50 HZ		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	39.5065	55.18	-13.62	41.56	49.50	7.94	PK	Vertical
2	43.7747	55.42	-13.83	41.59	49.50	7.91	PK	Vertical
3	71.0816	59.86	-16.86	43.00	49.50	6.50	PK	Vertical
4	110.7565	62.38	-16.72	45.66	54.00	8.34	PK	Vertical
5	875.0578	44.92	1.96	46.88	56.90	10.02	PK	Vertical
6	956.2508	41.53	3.97	45.50	56.90	11.40	PK	Vertical

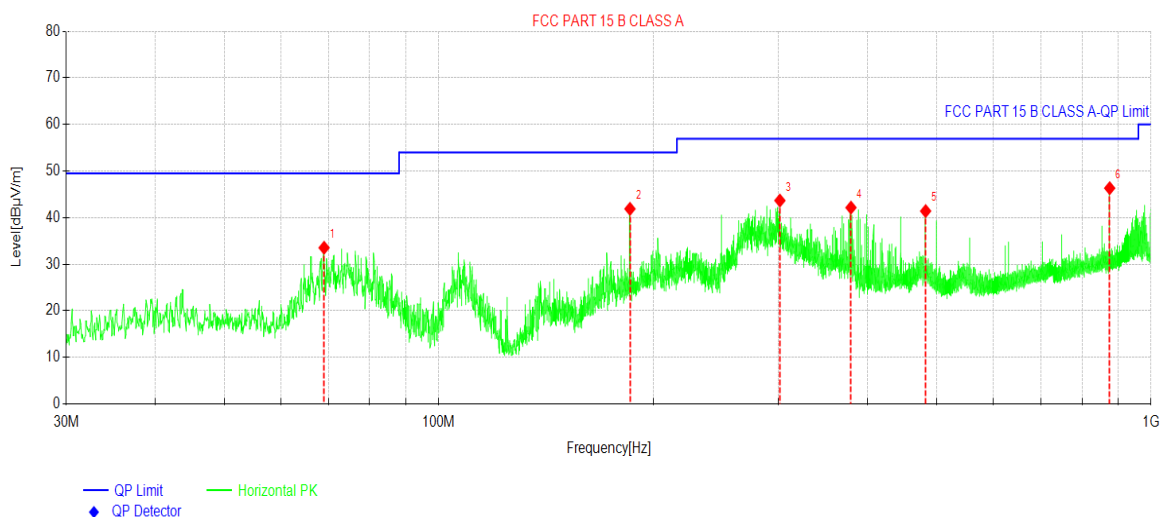
Final Data List

NO.	Freq. [MHz]	QP Reading [dBμV/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Angle [°]	Verdict
1	875.0079	44.88	1.95	46.83	56.90	10.07	156.3	PASS
2	71.1175	55.77	-16.86	38.91	49.50	10.59	193.6	PASS

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	AI IP Camera	Product Model:	TE100G
Test By:	Kiran Zeng	Test mode:	Working mode 1
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 220 V/50 HZ		



Suspected Data List

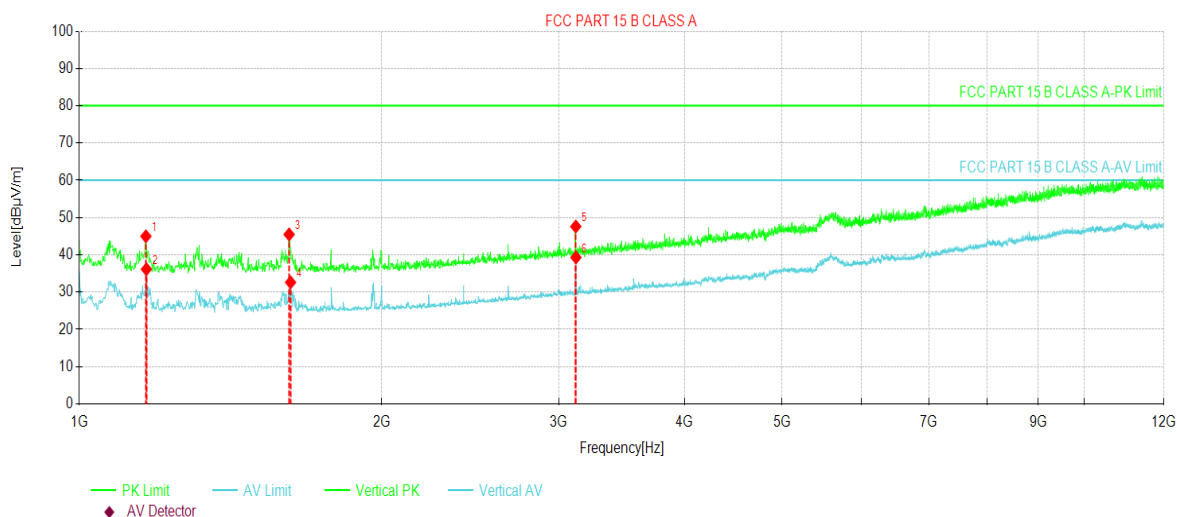
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	69.0445	49.00	-15.48	33.52	49.50	15.98	PK	Horizontal
2	185.5958	56.89	-15.02	41.87	54.00	12.13	PK	Horizontal
3	301.3226	55.73	-12.08	43.65	56.90	13.25	PK	Horizontal
4	379.1690	52.07	-9.93	42.14	56.90	14.76	PK	Horizontal
5	482.6246	47.93	-6.54	41.39	56.90	15.51	PK	Horizontal
6	875.0093	44.46	1.85	46.31	56.90	10.59	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Above 1GHz:

Product Name:	AI IP Camera	Product Model:	TE100G
Test By:	Kiran Zeng	Test mode:	Working mode 1
Test Frequency:	1000 MHz ~ 12000 MHz	Polarization:	Vertical
Test Voltage:	AC 220 V/50 HZ		



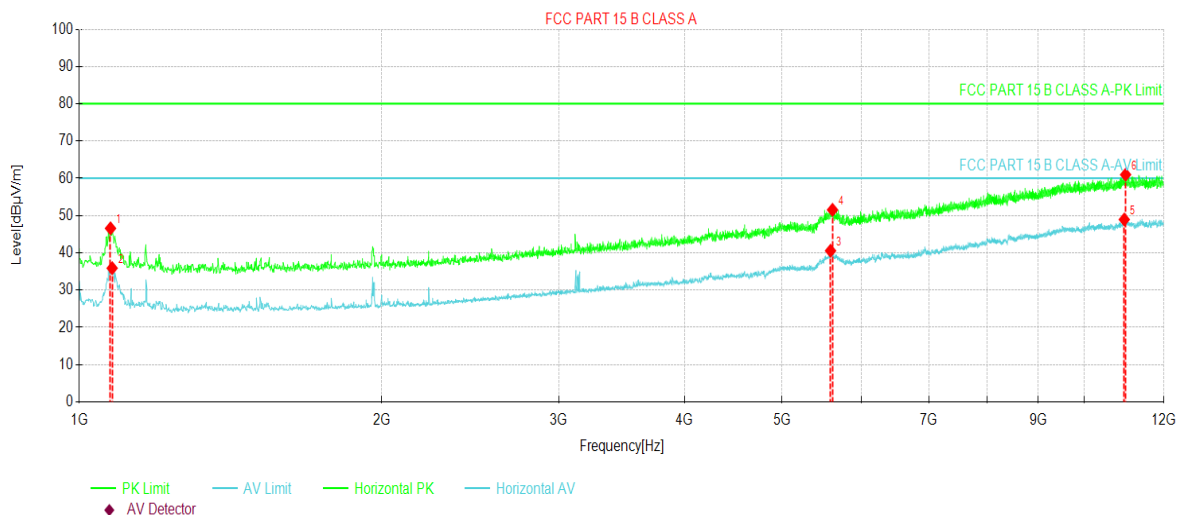
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	1165.0000	67.20	44.97	-22.23	80.00	35.03	PK	Vertical
2	1166.3750	58.39	36.15	-22.24	60.00	23.85	AV	Vertical
3	1617.3750	67.29	45.47	-21.82	80.00	34.53	PK	Vertical
4	1622.8750	54.42	32.61	-21.81	60.00	27.39	AV	Vertical
5	3118.8750	64.52	47.60	-16.92	80.00	32.40	PK	Vertical
6	3120.2500	56.21	39.30	-16.91	60.00	20.70	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).
2. Test Frequency up to 18GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.

Product Name:	AI IP Camera	Product Model:	TE100G
Test By:	Kiran Zeng	Test mode:	Working mode 1
Test Frequency:	1000 MHz ~ 12000 MHz	Polarization:	Horizontal
Test Voltage:	AC 220 V/50 HZ		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	1074.2500	68.30	46.57	-21.73	80.00	33.43	PK	Horizontal
2	1078.3750	57.63	35.88	-21.75	60.00	24.12	AV	Horizontal
3	5589.7500	45.31	40.55	-4.76	60.00	19.45	AV	Horizontal
4	5615.8750	56.24	51.53	-4.71	80.00	28.47	PK	Horizontal
5	10956.3750	44.23	48.93	4.70	60.00	11.07	AV	Horizontal
6	10989.3750	56.16	60.98	4.82	80.00	19.02	PK	Horizontal

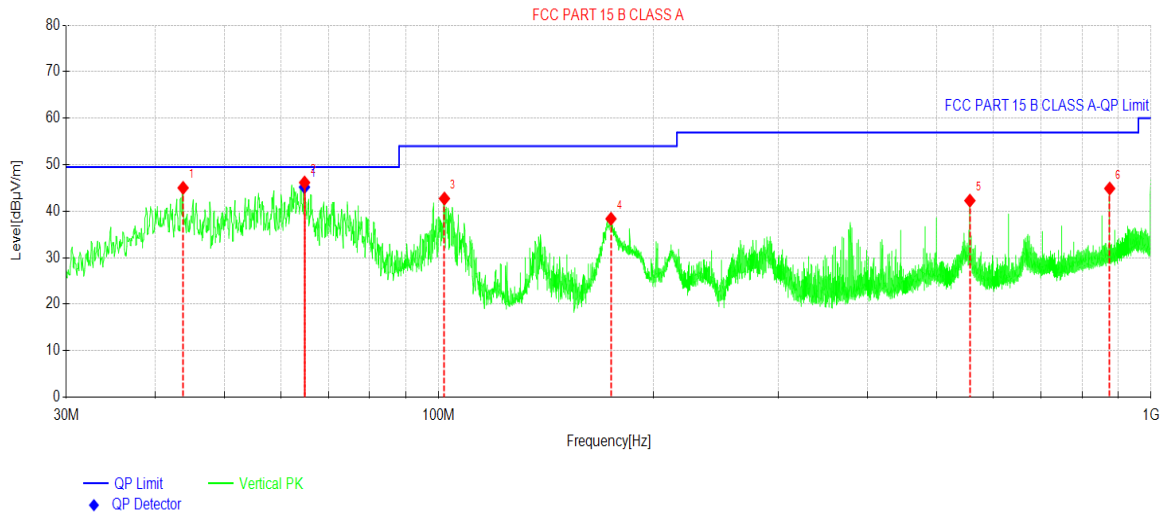
Remark:

- Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).
- Test Frequency up to 18GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.

POE mode:

Below 1GHz:

Product Name:	AI IP Camera	Product Model:	TE100G
Test By:	Kiran Zeng	Test mode:	Working mode 2
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 220 V/50 HZ		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	43.7747	58.84	-13.83	45.01	49.50	4.49	PK	Vertical
2	64.8247	61.86	-15.70	46.16	49.50	3.34	PK	Vertical
3	101.8806	60.55	-17.85	42.70	54.00	11.30	PK	Vertical
4	174.5372	52.51	-14.15	38.36	54.00	15.64	PK	Vertical
5	556.8818	47.40	-5.14	42.26	56.90	14.64	PK	Vertical
6	875.0093	42.93	1.95	44.88	56.90	12.02	PK	Vertical

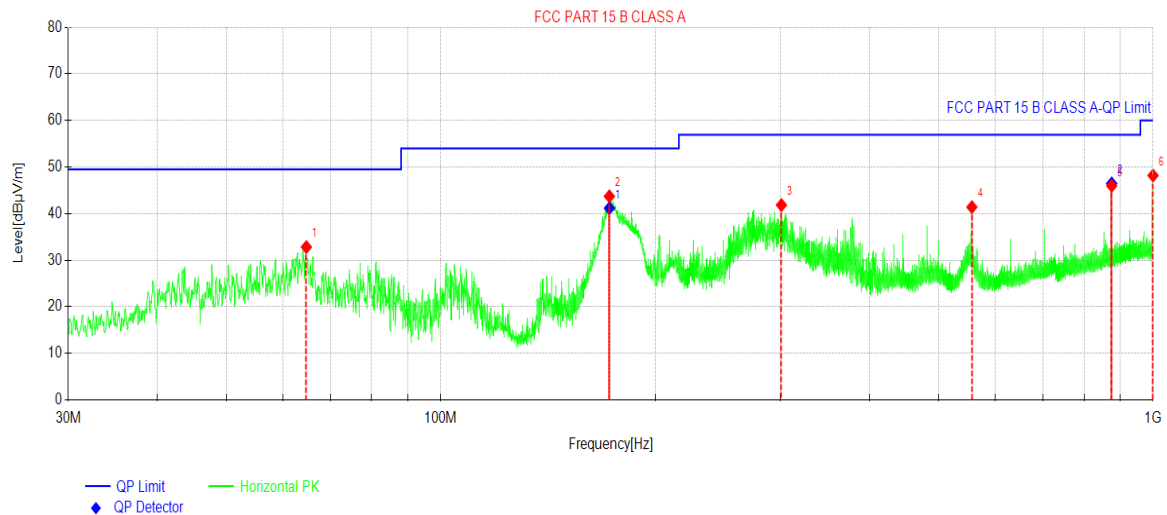
Final Data List

NO.	Freq. [MHz]	QP Reading [dBμV/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Angle [°]	Verdict
1	64.7988	60.87	-15.70	45.17	49.50	4.33	350.3	PASS

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	AI IP Camera	Product Model:	TE100G
Test By:	Kiran Zeng	Test mode:	Working mode 2
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 220 V/50 HZ		



Suspected Data List

NO.	Freq. [MHz]	Reading[dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	64.7762	47.40	-14.58	32.82	49.50	16.68	PK	Horizontal
2	172.5001	57.36	-13.66	43.70	54.00	10.30	PK	Horizontal
3	300.8375	53.93	-12.10	41.83	56.90	15.07	PK	Horizontal
4	556.8818	46.16	-4.77	41.39	56.90	15.51	PK	Horizontal
5	875.0093	44.12	1.85	45.97	56.90	10.93	PK	Horizontal
6	1000.0000	44.24	3.93	48.17	60.00	11.83	PK	Horizontal

Final Data List

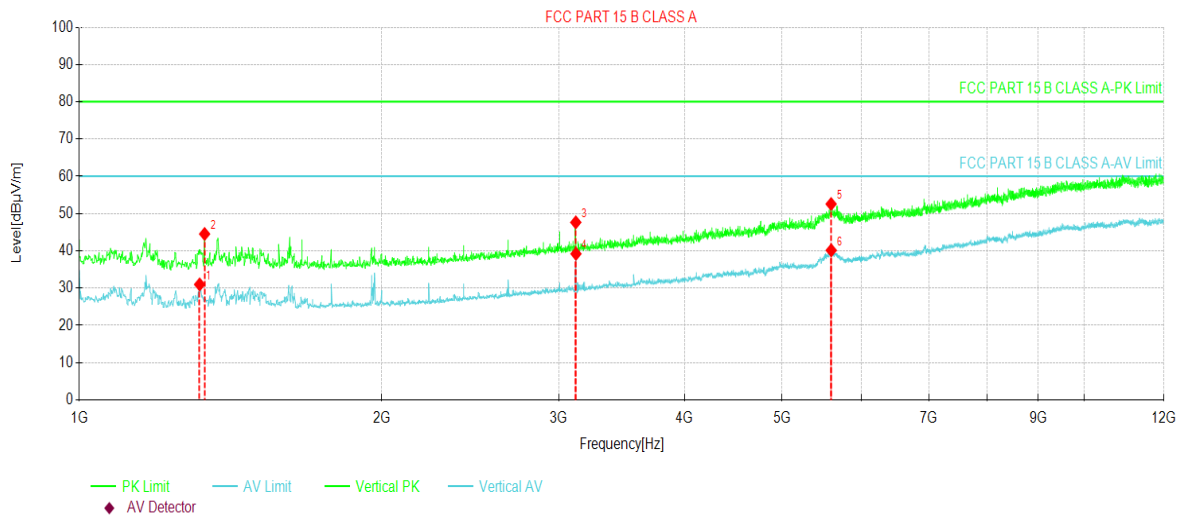
NO.	Freq. [MHz]	QP Reading [dBμV/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Angle [°]	Verdict
1	172.5460	54.82	-13.66	41.16	54.00	12.84	163.9	PASS
2	875.0133	44.61	1.85	46.46	56.90	10.44	148.4	PASS

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Above 1GHz:

Product Name:	AI IP Camera	Product Model:	TE100G
Test By:	Kiran Zeng	Test mode:	Working mode 2
Test Frequency:	1000 MHz ~ 12000 MHz	Polarization:	Vertical
Test Voltage:	AC 220 V/50 HZ		



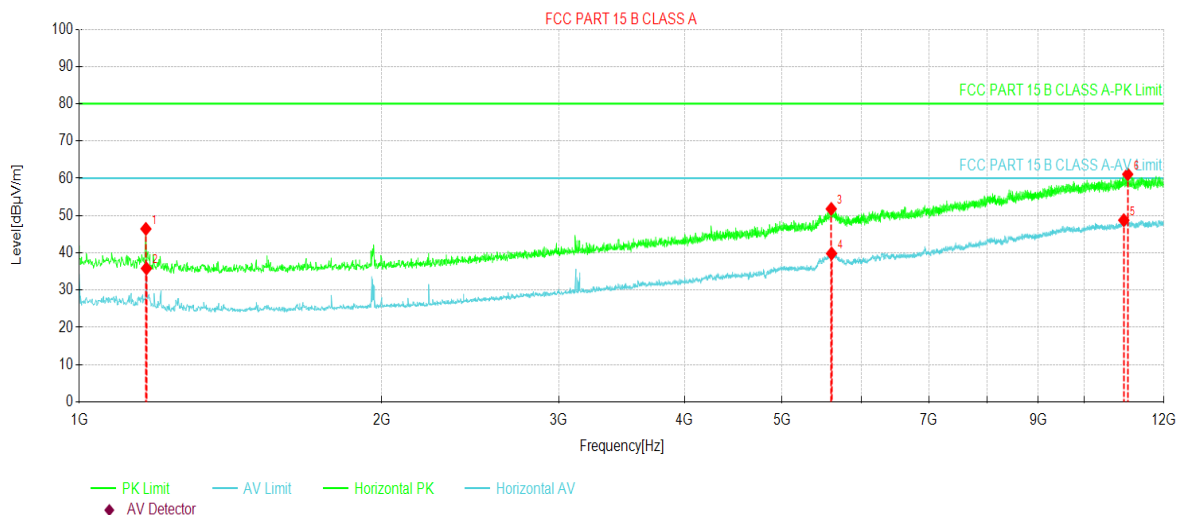
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	1317.6250	53.21	30.98	-22.23	60.00	29.02	AV	Vertical
2	1332.7500	66.73	44.52	-22.21	80.00	35.48	PK	Vertical
3	3118.8750	64.56	47.64	-16.92	80.00	32.36	PK	Vertical
4	3120.2500	56.10	39.19	-16.91	60.00	20.81	AV	Vertical
5	5598.0000	57.18	52.57	-4.61	80.00	27.43	PK	Vertical
6	5599.3750	44.71	40.13	-4.58	60.00	19.87	AV	Vertical

Remark:

- Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).
- Test Frequency up to 18GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.

Product Name:	AI IP Camera	Product Model:	TE100G
Test By:	Kiran Zeng	Test mode:	Working mode 2
Test Frequency:	1000 MHz ~ 12000 MHz	Polarization:	Horizontal
Test Voltage:	AC 220 V/50 HZ		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	1165.0000	68.66	46.43	-22.23	80.00	33.57	PK	Horizontal
2	1166.3750	58.05	35.81	-22.24	60.00	24.19	AV	Horizontal
3	5599.3750	56.37	51.79	-4.58	80.00	28.21	PK	Horizontal
4	5603.5000	44.41	39.81	-4.60	60.00	20.19	AV	Horizontal
5	10944.0000	44.09	48.75	4.66	60.00	11.25	AV	Horizontal
6	11043.0000	56.31	61.08	4.77	80.00	18.92	PK	Horizontal

Remark:

- Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).
- Test Frequency up to 18GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.

-----End of report-----