



**SGS-CSTC Standards Technical Services
(Shanghai) Co., Ltd.**

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China

Telephone: +86 (0) 21 6191 5666

Fax: +86 (0) 21 6191 5678

ee.shanghai@sgs.com

Report No.: SHEM180200097701

Page: 1 of 68

TEST REPORT

Application No.: SHEM1802000977IT
Applicant: Zhejiang Dahua Vision Technology Co., Ltd.
Address of Applicant: No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China
Manufacturer: Zhejiang Dahua Vision Technology Co., Ltd.
Address of Manufacturer: No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China
Factory: 1, ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.
2, ZHEJIANG DAHUA ZHILIAN CO.,LTD.
Address of Factory: 1, No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China
2, No.28, Dongqiao Road, Dongzhou Street, Fuyang District, Hangzhou, P.R. China.

Equipment Under Test (EUT):

EUT Name: HDCVI CAMERA

Model No.: Refer to page 2

✱

Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.

Trade mark:



Standard(s) : 47 CFR Part 15,Subpart B

Date of Receipt: 2017-12-08

Date of Test: 2017-12-19 to 2017-12-27

Date of Issue: 2018-02-02

| | |
|---------------------|--------------|
| Test Result: | Pass* |
|---------------------|--------------|

* In the configuration tested, the EUT complied with the standards specified above.



Parlam Zhan
E&E Section Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHEM180200097701

Page: 2 of 68

Model No.:

DH-HAC-HFW2802TP-Z-A-DP, DH-HAC-HFW2802TN-Z-A-DP, HAC-HFW2802TP-Z-A-DP,
HAC-HFW2802TN-Z-A-DP, DH-HAC-HFW2601TP-Z-A-DP, DH-HAC-HFW2601TN-Z-A-DP,
HAC-HFW2601TP-Z-A-DP, HAC-HFW2601TN-Z-A-DP, HAC-HFW2802TP-Z-A, HAC-HFW2802TN-Z-A,
DH-HAC-HFW2802TP-Z-A, DH-HAC-HFW2802TN-Z-A, A82AF5V, HAC-HFW2601TP-Z-A,
HAC-HFW2601TN-Z-A, DH-HAC-HFW2601TP-Z-A, DH-HAC-HFW2601TN-Z-A, HAC-HFW2802TP-A-I8,
HAC-HFW2802TN-A-I8, DH-HAC-HFW2802TP-A-I8, DH-HAC-HFW2802TN-A-I8, HAC-HFW2601TP-A-I8,
HAC-HFW2601TN-A-I8, DH-HAC-HFW2601TP-A-I8, DH-HAC-HFW2601TN-A-I8, A82AF53



**SGS-CSTC Standards Technical Services
(Shanghai) Co., Ltd.**

Report No.: SHEM180200097701

Page: 3 of 68

| Revision Record | | | | |
|-----------------|------------------|------------|----------|-----------------------------------|
| Version | Chapter | Date | Modifier | Remark |
| 00 | Add Model Number | 2018-02-02 | / | Copy Based on SHEM171200839601 |
| | | | | |
| | | | | |

| | | | | |
|--------------------------|--|------------------------------------|--|--|
| Authorized for issue by: | | | | |
| | | <i>Bruce Tang</i> | | |
| | | <hr/> Bruce Tang /Project Engineer | | |
| | | <i>Zenger Zhang</i> | | |
| | | <hr/> Zenger Zhang /Reviewer | | |



2 Test Summary

| Emission Part | | | | |
|---|---------------------------|------------|-------------|--------|
| Item | Standard | Method | Requirement | Result |
| Conducted Emissions at Mains Terminals (150kHz-30MHz) | 47 CFR Part 15, Subpart B | ANSI C63.4 | Class B | Pass |
| Radiated Emissions (30MHz-1GHz) | 47 CFR Part 15, Subpart B | ANSI C63.4 | Class B | Pass |
| Radiated Emissions (above 1GHz) | 47 CFR Part 15, Subpart B | ANSI C63.4 | Class B | Pass |

| Internal Source | Upper Frequency |
|--------------------|--|
| Below 1.705MHz | 30MHz |
| 1.705MHz to 108MHz | 1GHz |
| 108MHz to 500MHz | 2GHz |
| 500MHz to 1GHz | 5GHz |
| Above 1GHz | 5th harmonic of the highest frequency or 40GHz, whichever is lower |

Declaration of EUT Family Grouping:

Note1: There are series models mentioned in this report and they are similar in electrical and electronic characters. Only the model DH-HAC-HFW2802TP-Z-A-DP was tested since their differences are pixels, sales area and power supply mode.

Note2: The report is copied from SHEM171200839601 to add models A82AF53 which are the same as the original tested model DH-HAC-HFW2802TP-Z-A-DP in electrical and electronic characters. So the new models in this report are deemed to fulfill the EMC requirements without testing.



3 Contents

| | Page |
|--|------|
| 1 COVER PAGE | 1 |
| 2 TEST SUMMARY | 4 |
| 3 CONTENTS | 5 |
| 4 GENERAL INFORMATION | 6 |
| 4.1 DETAILS OF E.U.T. | 6 |
| 4.2 DESCRIPTION OF SUPPORT UNITS | 6 |
| 4.3 MEASUREMENT UNCERTAINTY | 6 |
| 4.4 TEST LOCATION | 7 |
| 4.5 TEST FACILITY | 7 |
| 4.6 DEVIATION FROM STANDARDS | 7 |
| 4.7 ABNORMALITIES FROM STANDARD CONDITIONS | 7 |
| 5 EQUIPMENT LIST | 8 |
| 6 EMISSION TEST RESULTS | 9 |
| 6.1 CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) | 9 |
| 6.1.1 E.U.T. Operation | 9 |
| 6.1.2 Test Setup Diagram | 9 |
| 6.1.3 Measurement Data | 9 |
| 6.2 RADIATED EMISSIONS (30MHz-1GHz) | 26 |
| 6.2.1 E.U.T. Operation | 26 |
| 6.2.2 Test Setup Diagram | 26 |
| 6.2.3 Measurement Data | 26 |
| 6.3 RADIATED EMISSIONS (ABOVE 1GHz) | 43 |
| 6.3.1 E.U.T. Operation | 43 |
| 6.3.2 Test Setup Diagram | 43 |
| 6.3.3 Measurement Data | 43 |
| 7 PHOTOGRAPHS | 60 |
| 7.1 CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP | 60 |
| 7.2 RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP | 61 |
| 7.3 RADIATED EMISSIONS (ABOVE 1GHz) TEST SETUP | 62 |
| 7.4 EUT CONSTRUCTIONAL DETAILS | 64 |

4 General Information

4.1 Details of E.U.T.

| | |
|---------------|---------------------|
| Power supply: | AC24V or DC12V |
| Cable: | signal cable : 0.4m |

4.2 Description of Support Units

The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

| No. | Item | Measurement Uncertainty |
|-----|---|-------------------------|
| 1 | Conducted Emission at mains port using AMN | 3.2dB (9kHz to 150kHz) |
| | | 3.0dB (150kHz to 30MHz) |
| 2 | Conducted Emission at mains port using VP | 1.9 dB(9kHz to 30MHz) |
| 3 | Conducted Emission at telecommunication port using AAN | 2.4 dB(150kHz to 30MHz) |
| 4 | Radiated Power | 3.5dB |
| 5 | Radiated emission | 4.4dB (30MHz-1GHz) |
| | | 4.6dB (1GHz-6GHz) |



4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. E&E Lab

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China

Tel: +86 21 6191 5666

Fax: +86 21 6191 5678

No tests were sub-contracted.

4.5 Test Facility

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

- **CNAS (No. CNAS L0599)**

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **Industry Canada (IC) – IC Assigned Code: 8617A**

The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 8617A-1.

- **VCCI (Member No.: 3061)**

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-3868,C-4336,T-2221,G-830 respectively.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



5 Equipment List

| Conducted Emissions at Mains Terminals (150kHz-30MHz) | | | | | |
|---|-----------------|----------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| EMI test receiver | Rohde & Schwarz | ESR7 | SHEM162-1 | 2017-12-26 | 2018-12-25 |
| Line impedance stabilization network | SCHWARZBECK | NSLK8127 | SHEM061-1 | 2017-05-17 | 2018-05-16 |
| Line impedance stabilization network | EMCO | 3816/2 | SHEM019-1 | 2017-12-26 | 2018-12-25 |
| Pulse limiter | Rohde & Schwarz | ESH3-Z2 | SHEM029-1 | 2017-08-01 | 2018-07-31 |
| Shielding Room | ZHONGYU | 8*4*3M | SHEM079-2 | 2016-12-29 | 2019-12-28 |
| CE test Cable | / | / | CE01 | 2017-12-26 | 2018-12-25 |

| Radiated Emissions (30MHz-1GHz) | | | | | |
|---------------------------------|-----------------|-------------------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| EMI test receiver | Rohde & Schwarz | ESU40 | SHEM051-1 | 2017-09-26 | 2018-09-25 |
| CONTROLLER | INNCO | CO200 | SHEM047-1 | N/A | N/A |
| ANTENNA MAST | INNCO | MA400-EP | SHEM047-2 | N/A | N/A |
| TURN DEVICE | INNCO | DE 3600-RH | SHEM047-3 | N/A | N/A |
| Broadband UHF-VHF ANTENNA | SCHWARZBECK | VULB9168 | SHEM048-1 | 2017-02-28 | 2020-02-27 |
| Semi/Fully Anechoic | ST | 11*6*6M | SHEM078-2 | 2017-07-22 | 2018-07-21 |
| Low Amplifier | CLAVIO | BDLNA-0001-412010 | SHEM164-1 | 2017-08-22 | 2018-08-21 |

| Radiated Emissions (above 1GHz) | | | | | |
|--------------------------------------|-----------------|----------------------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| EMI test receiver | Rohde & Schwarz | ESU40 | SHEM051-1 | 2017-09-26 | 2018-09-25 |
| CONTROLLER | INNCO | CO200 | SHEM047-1 | N/A | N/A |
| ANTENNA MAST | INNCO | MA400-EP | SHEM047-2 | N/A | N/A |
| TURN DEVICE | INNCO | DE 3600-RH | SHEM047-3 | N/A | N/A |
| Double ridged broadband horn ANTENNA | SCHWARZBECK | BBHA9120D | SHEM050-1 | 2017-01-14 | 2020-01-13 |
| High-amplifier | SCHWARZBECK | SCU-F0118-G40-BZ4-CS | SHEM050-2 | 2017-01-14 | 2020-01-13 |
| Semi/Fully Anechoic | ST | 11*6*6M | SHEM078-2 | 2017-07-22 | 2018-07-21 |

| General used equipment | | | | | |
|-------------------------------|-----------------------------|------------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| Digital pressure meter | YONGZHI | DYM3-01 | SHEM082-1 | 2017-03-03 | 2018-03-02 |
| Temperature&humidity recorder | ShangHai weather meter work | ZJ 1-2B | SHEM042-1~6 | 2017-09-13 | 2018-09-12 |
| Digital Multimeter | FLUKE | 17B | SHEM043-5 | 2017-09-13 | 2018-09-12 |
| Autoformer regulator | Guangzhou bao de | TDGC2-5KVA | SHEM150-1 | N/A | N/A |
| Multi-purpose tong tester | FLUKE | 316 | SHEM001-1 | 2017-01-29 | 2018-01-28 |

6 Emission Test Results

6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

| | |
|-------------------|--|
| Test Requirement: | 47 CFR Part 15, Subpart B |
| Test Method: | ANSI C63.4 |
| Frequency Range: | 150kHz to 30MHz |
| Limit: | |
| 0.15M-0.5MHz | 66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average |
| 0.5M-5MHz | 56dB(μV) quasi-peak, 46dB(μV) average |
| 5M-30MHz | 60dB(μV) quasi-peak, 50dB(μV) average |
| Detector: | Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz |

6.1.1 E.U.T. Operation

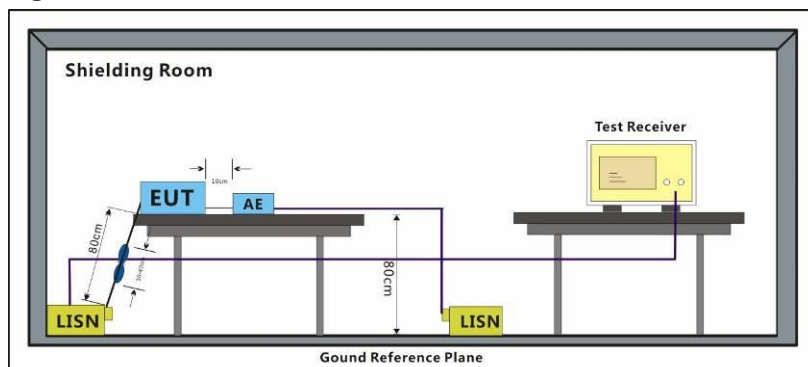
Operating Environment:

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1020 mbar

Test Mode:

- a: CVI previewing by DC12V support .
- b: AHD previewing by DC12V support .
- c: CVBS previewing by DC12V support .
- d: TVI previewing by DC12V support .
- e: CVI previewing by AC24V support .
- f: AHD previewing by AC24V support .
- g: CVBS previewing by AC24V support .
- h: TVI previewing by AC24V support .

6.1.2 Test Setup Diagram

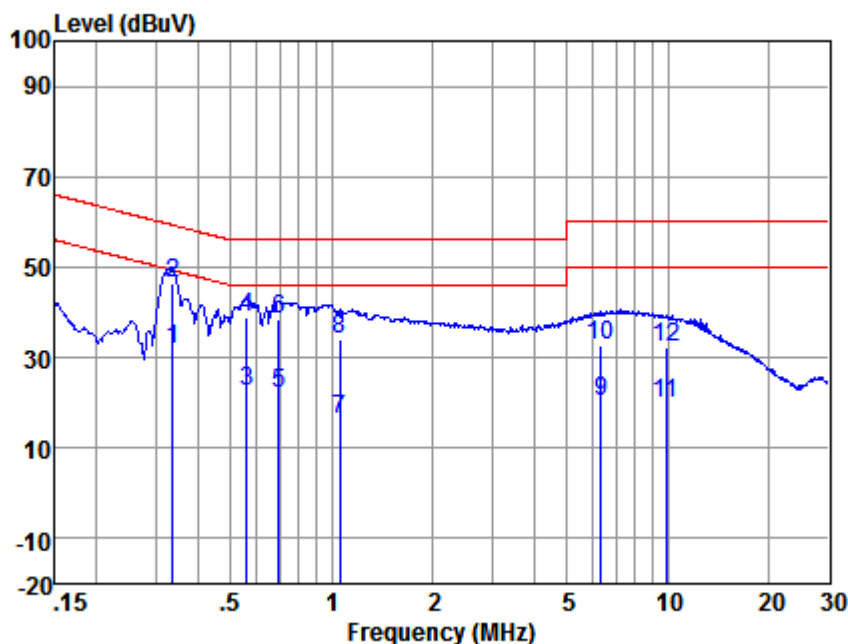


6.1.3 Measurement Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.

Notes: Emission Level=Read Level + LISN Factor + Cable Loss

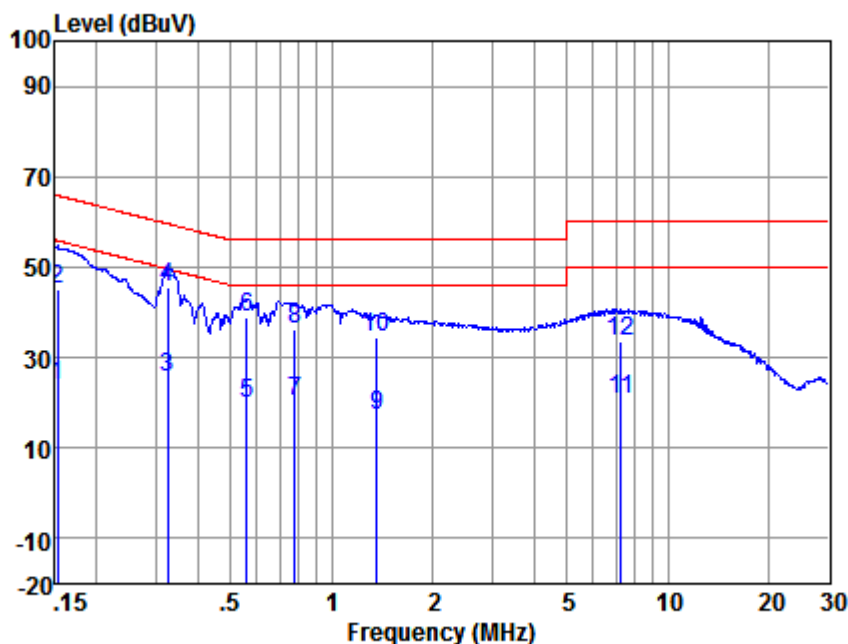
Mode:a; Line:Live Line



Site : chamber
Condition : LISN-L-2017
EUT/Project No: 8396IT
Test mode : a

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.337 | 21.75 | 0.11 | 9.81 | 31.67 | 49.27 | -17.60 | Average |
| 2 | 0.337 | 36.31 | 0.11 | 9.81 | 46.23 | 59.27 | -13.04 | QP |
| 3 | 0.558 | 12.41 | 0.11 | 9.82 | 22.34 | 46.00 | -23.66 | Average |
| 4 | 0.558 | 28.78 | 0.11 | 9.82 | 38.71 | 56.00 | -17.29 | QP |
| 5 | 0.694 | 12.30 | 0.11 | 9.83 | 22.24 | 46.00 | -23.76 | Average |
| 6 | 0.694 | 28.31 | 0.11 | 9.83 | 38.25 | 56.00 | -17.75 | QP |
| 7 | 1.054 | 6.48 | 0.11 | 9.84 | 16.43 | 46.00 | -29.57 | Average |
| 8 | 1.054 | 23.96 | 0.11 | 9.84 | 33.91 | 56.00 | -22.09 | QP |
| 9 | 6.319 | 10.51 | 0.11 | 9.86 | 20.48 | 50.00 | -29.52 | Average |
| 10 | 6.319 | 22.86 | 0.11 | 9.86 | 32.83 | 60.00 | -27.17 | QP |
| 11 | 9.913 | 9.70 | 0.10 | 9.87 | 19.67 | 50.00 | -30.33 | Average |
| 12 | 9.913 | 22.23 | 0.10 | 9.87 | 32.20 | 60.00 | -27.80 | QP |

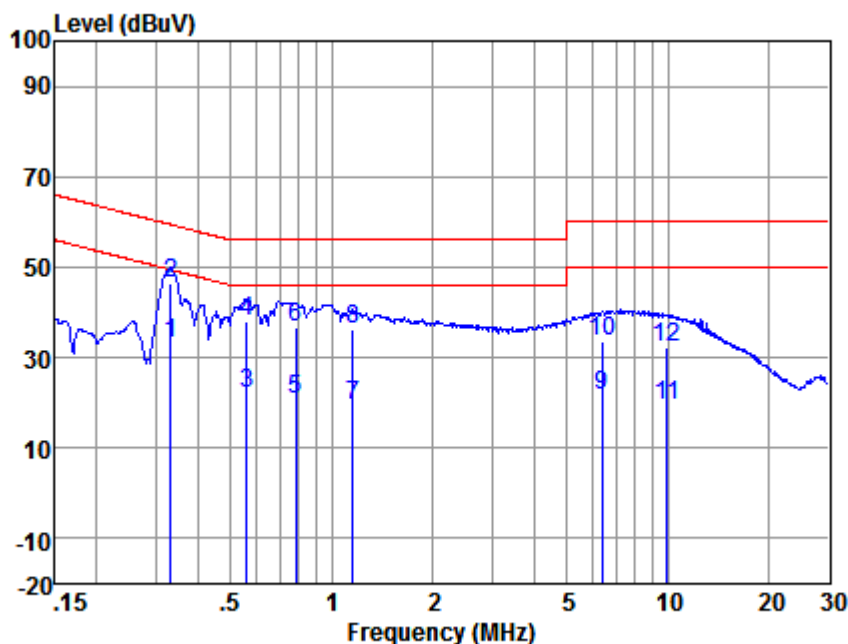
Mode:a; Line:Neutral Line



Site : chamber
Condition : LISN-N-2017
EUT/Project No: 8396IT
Test mode : a

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.152 | 14.01 | 0.12 | 9.81 | 23.94 | 55.87 | -31.93 | Average |
| 2 | 0.152 | 35.10 | 0.12 | 9.81 | 45.03 | 65.87 | -20.84 | QP |
| 3 | 0.325 | 15.76 | 0.11 | 9.81 | 25.68 | 49.57 | -23.89 | Average |
| 4 | 0.325 | 35.57 | 0.11 | 9.81 | 45.49 | 59.57 | -14.08 | QP |
| 5 | 0.558 | 9.95 | 0.11 | 9.82 | 19.88 | 46.00 | -26.12 | Average |
| 6 | 0.558 | 28.84 | 0.11 | 9.82 | 38.77 | 56.00 | -17.23 | QP |
| 7 | 0.775 | 10.25 | 0.11 | 9.83 | 20.19 | 46.00 | -25.81 | Average |
| 8 | 0.775 | 26.48 | 0.11 | 9.83 | 36.42 | 56.00 | -19.58 | QP |
| 9 | 1.367 | 7.33 | 0.12 | 9.84 | 17.29 | 46.00 | -28.71 | Average |
| 10 | 1.367 | 24.53 | 0.12 | 9.84 | 34.49 | 56.00 | -21.51 | QP |
| 11 | 7.252 | 10.94 | 0.13 | 9.86 | 20.93 | 50.00 | -29.07 | Average |
| 12 | 7.252 | 23.43 | 0.13 | 9.86 | 33.42 | 60.00 | -26.58 | QP |

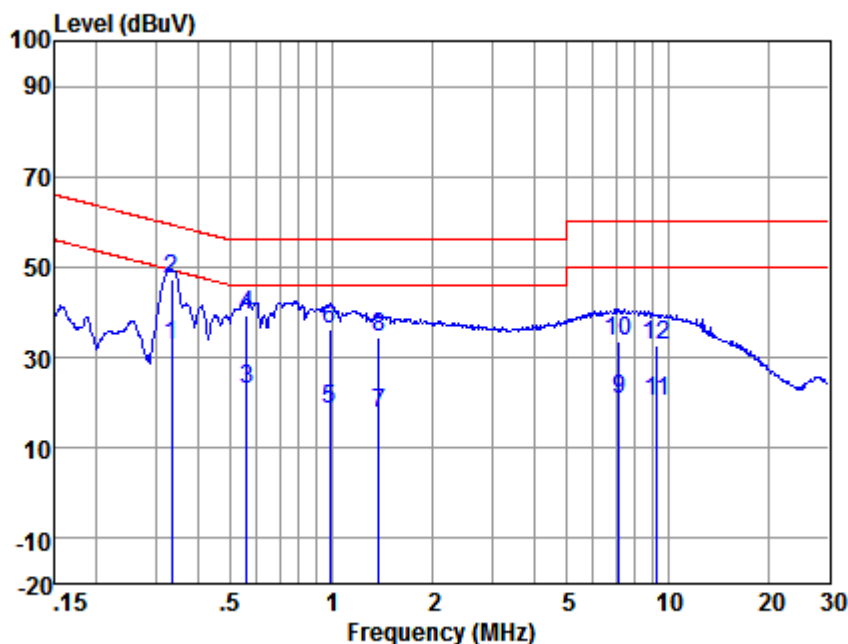
Mode:b; Line:Live Line



Site : chamber
Condition : LISN-L-2017
EUT/Project No: 8396IT
Test mode : b

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.332 | 23.11 | 0.11 | 9.81 | 33.03 | 49.40 | -16.37 | Average |
| 2 | 0.332 | 36.42 | 0.11 | 9.81 | 46.34 | 59.40 | -13.06 | QP |
| 3 | 0.558 | 12.10 | 0.11 | 9.82 | 22.03 | 46.00 | -23.97 | Average |
| 4 | 0.558 | 28.18 | 0.11 | 9.82 | 38.11 | 56.00 | -17.89 | QP |
| 5 | 0.779 | 10.81 | 0.11 | 9.83 | 20.75 | 46.00 | -25.25 | Average |
| 6 | 0.779 | 26.67 | 0.11 | 9.83 | 36.61 | 56.00 | -19.39 | QP |
| 7 | 1.153 | 9.30 | 0.11 | 9.84 | 19.25 | 46.00 | -26.75 | Average |
| 8 | 1.153 | 26.23 | 0.11 | 9.84 | 36.18 | 56.00 | -19.82 | QP |
| 9 | 6.386 | 11.62 | 0.11 | 9.86 | 21.59 | 50.00 | -28.41 | Average |
| 10 | 6.386 | 23.73 | 0.11 | 9.86 | 33.70 | 60.00 | -26.30 | QP |
| 11 | 9.966 | 9.25 | 0.10 | 9.87 | 19.22 | 50.00 | -30.78 | Average |
| 12 | 9.966 | 22.39 | 0.10 | 9.87 | 32.36 | 60.00 | -27.64 | QP |

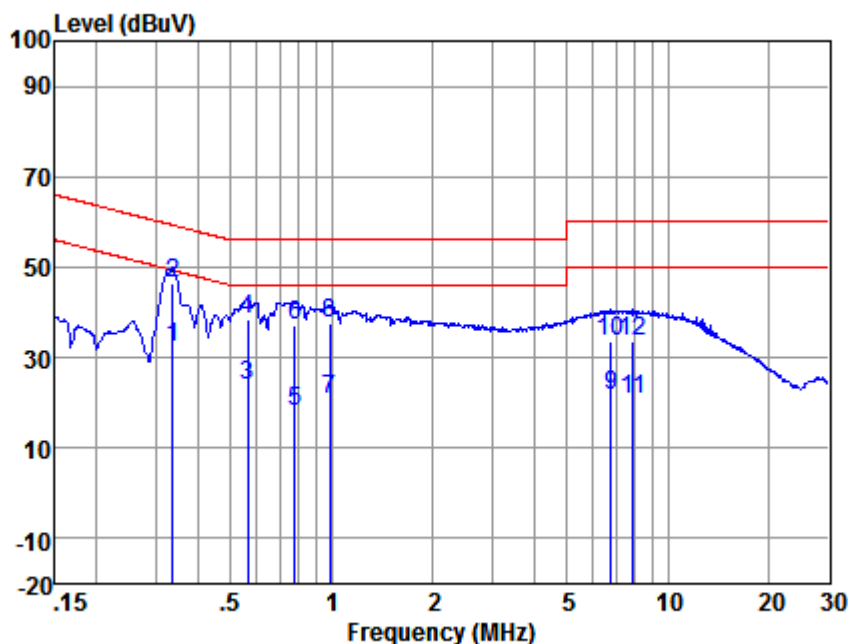
Mode:b; Line:Neutral Line



Site : chamber
Condition : LISN-N-2017
EUT/Project No: 8396IT
Test mode : b

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.334 | 22.94 | 0.11 | 9.81 | 32.86 | 49.35 | -16.49 | Average |
| 2 | 0.334 | 37.25 | 0.11 | 9.81 | 47.17 | 59.35 | -12.18 | QP |
| 3 | 0.558 | 13.19 | 0.11 | 9.82 | 23.12 | 46.00 | -22.88 | Average |
| 4 | 0.558 | 29.29 | 0.11 | 9.82 | 39.22 | 56.00 | -16.78 | QP |
| 5 | 0.989 | 8.73 | 0.11 | 9.84 | 18.68 | 46.00 | -27.32 | Average |
| 6 | 0.989 | 26.31 | 0.11 | 9.84 | 36.26 | 56.00 | -19.74 | QP |
| 7 | 1.381 | 7.57 | 0.12 | 9.84 | 17.53 | 46.00 | -28.47 | Average |
| 8 | 1.381 | 24.42 | 0.12 | 9.84 | 34.38 | 56.00 | -21.62 | QP |
| 9 | 7.175 | 10.75 | 0.13 | 9.86 | 20.74 | 50.00 | -29.26 | Average |
| 10 | 7.175 | 23.69 | 0.13 | 9.86 | 33.68 | 60.00 | -26.32 | QP |
| 11 | 9.302 | 10.08 | 0.13 | 9.87 | 20.08 | 50.00 | -29.92 | Average |
| 12 | 9.302 | 22.52 | 0.13 | 9.87 | 32.52 | 60.00 | -27.48 | QP |

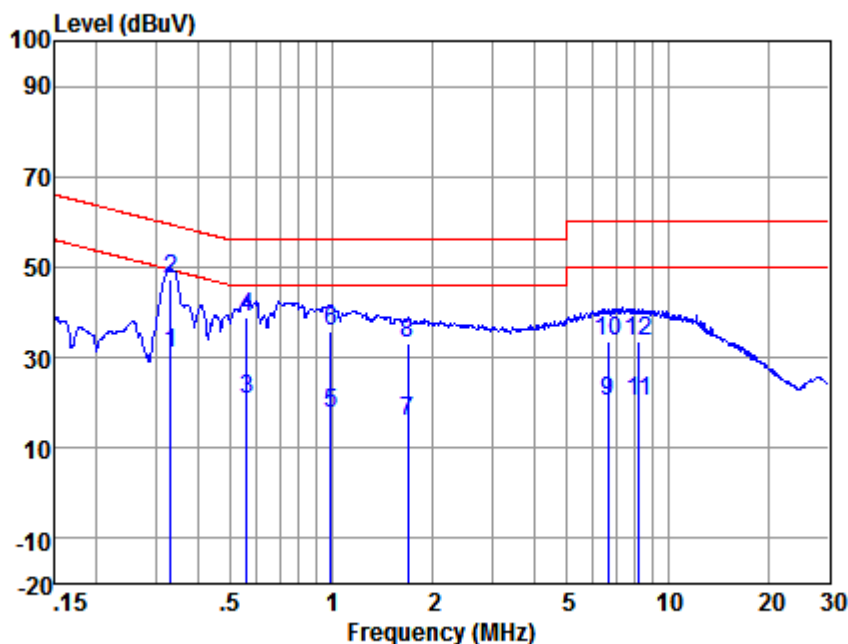
Mode:c; Line:Live Line



Site : chamber
Condition : LISN-L-2017
EUT/Project No: 8396IT
Test mode : c

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.337 | 22.15 | 0.11 | 9.81 | 32.07 | 49.27 | -17.20 | Average |
| 2 | 0.337 | 36.47 | 0.11 | 9.81 | 46.39 | 59.27 | -12.88 | QP |
| 3 | 0.561 | 14.01 | 0.11 | 9.82 | 23.94 | 46.00 | -22.06 | Average |
| 4 | 0.561 | 28.65 | 0.11 | 9.82 | 38.58 | 56.00 | -17.42 | QP |
| 5 | 0.775 | 7.96 | 0.11 | 9.83 | 17.90 | 46.00 | -28.10 | Average |
| 6 | 0.775 | 27.12 | 0.11 | 9.83 | 37.06 | 56.00 | -18.94 | QP |
| 7 | 0.989 | 10.61 | 0.11 | 9.84 | 20.56 | 46.00 | -25.44 | Average |
| 8 | 0.989 | 27.44 | 0.11 | 9.84 | 37.39 | 56.00 | -18.61 | QP |
| 9 | 6.769 | 11.66 | 0.11 | 9.86 | 21.63 | 50.00 | -28.37 | Average |
| 10 | 6.769 | 23.81 | 0.11 | 9.86 | 33.78 | 60.00 | -26.22 | QP |
| 11 | 7.893 | 10.74 | 0.10 | 9.86 | 20.70 | 50.00 | -29.30 | Average |
| 12 | 7.893 | 23.74 | 0.10 | 9.86 | 33.70 | 60.00 | -26.30 | QP |

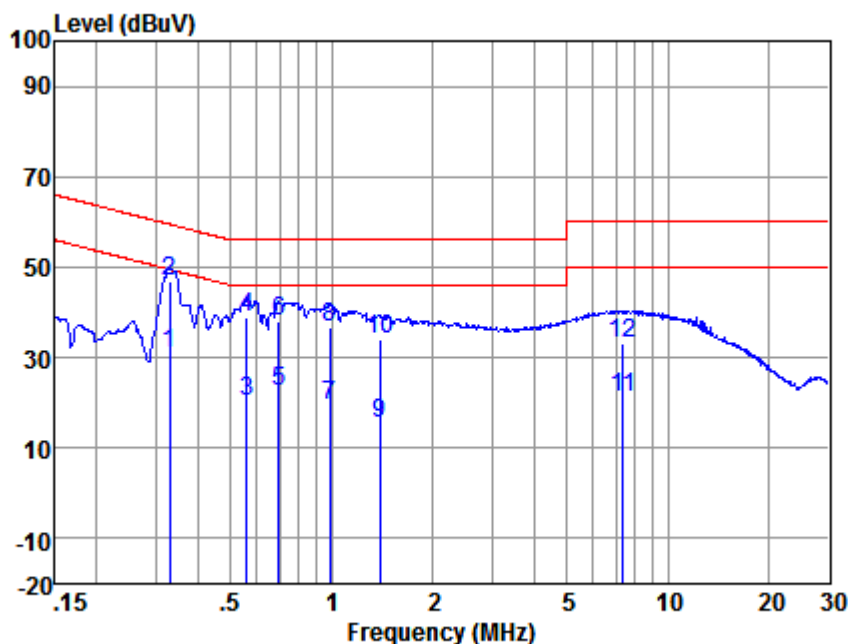
Mode:c; Line:Neutral Line



Site : chamber
Condition : LISN-N-2017
EUT/Project No: 8396IT
Test mode : c

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.332 | 20.83 | 0.11 | 9.81 | 30.75 | 49.40 | -18.65 | Average |
| 2 | 0.332 | 37.22 | 0.11 | 9.81 | 47.14 | 59.40 | -12.26 | QP |
| 3 | 0.558 | 10.82 | 0.11 | 9.82 | 20.75 | 46.00 | -25.25 | Average |
| 4 | 0.558 | 29.17 | 0.11 | 9.82 | 39.10 | 56.00 | -16.90 | QP |
| 5 | 0.994 | 7.82 | 0.11 | 9.84 | 17.77 | 46.00 | -28.23 | Average |
| 6 | 0.994 | 26.02 | 0.11 | 9.84 | 35.97 | 56.00 | -20.03 | QP |
| 7 | 1.680 | 5.96 | 0.12 | 9.84 | 15.92 | 46.00 | -30.08 | Average |
| 8 | 1.680 | 22.99 | 0.12 | 9.84 | 32.95 | 56.00 | -23.05 | QP |
| 9 | 6.662 | 10.32 | 0.13 | 9.86 | 20.31 | 50.00 | -29.69 | Average |
| 10 | 6.662 | 23.53 | 0.13 | 9.86 | 33.52 | 60.00 | -26.48 | QP |
| 11 | 8.235 | 10.14 | 0.13 | 9.86 | 20.13 | 50.00 | -29.87 | Average |
| 12 | 8.235 | 23.37 | 0.13 | 9.86 | 33.36 | 60.00 | -26.64 | QP |

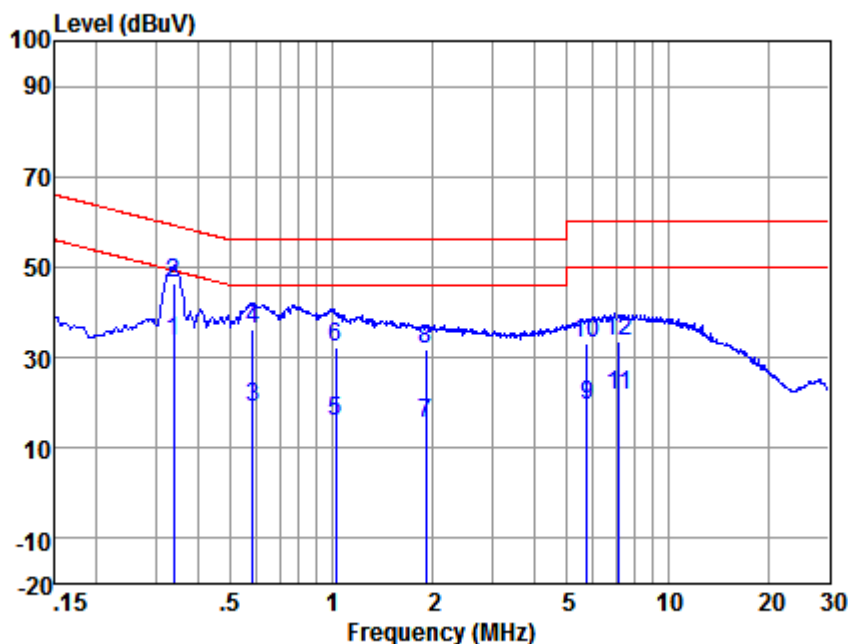
Mode:d; Line:Live Line



Site : chamber
Condition : LISN-L-2017
EUT/Project No: 8396IT
Test mode : d

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.330 | 20.80 | 0.11 | 9.81 | 30.72 | 49.44 | -18.72 | Average |
| 2 | 0.330 | 36.89 | 0.11 | 9.81 | 46.81 | 59.44 | -12.63 | QP |
| 3 | 0.558 | 10.38 | 0.11 | 9.82 | 20.31 | 46.00 | -25.69 | Average |
| 4 | 0.558 | 28.87 | 0.11 | 9.82 | 38.80 | 56.00 | -17.20 | QP |
| 5 | 0.694 | 12.52 | 0.11 | 9.83 | 22.46 | 46.00 | -23.54 | Average |
| 6 | 0.694 | 27.90 | 0.11 | 9.83 | 37.84 | 56.00 | -18.16 | QP |
| 7 | 0.989 | 9.31 | 0.11 | 9.84 | 19.26 | 46.00 | -26.74 | Average |
| 8 | 0.989 | 26.61 | 0.11 | 9.84 | 36.56 | 56.00 | -19.44 | QP |
| 9 | 1.388 | 5.26 | 0.11 | 9.84 | 15.21 | 46.00 | -30.79 | Average |
| 10 | 1.388 | 24.27 | 0.11 | 9.84 | 34.22 | 56.00 | -21.78 | QP |
| 11 | 7.368 | 11.03 | 0.11 | 9.86 | 21.00 | 50.00 | -29.00 | Average |
| 12 | 7.368 | 23.35 | 0.11 | 9.86 | 33.32 | 60.00 | -26.68 | QP |

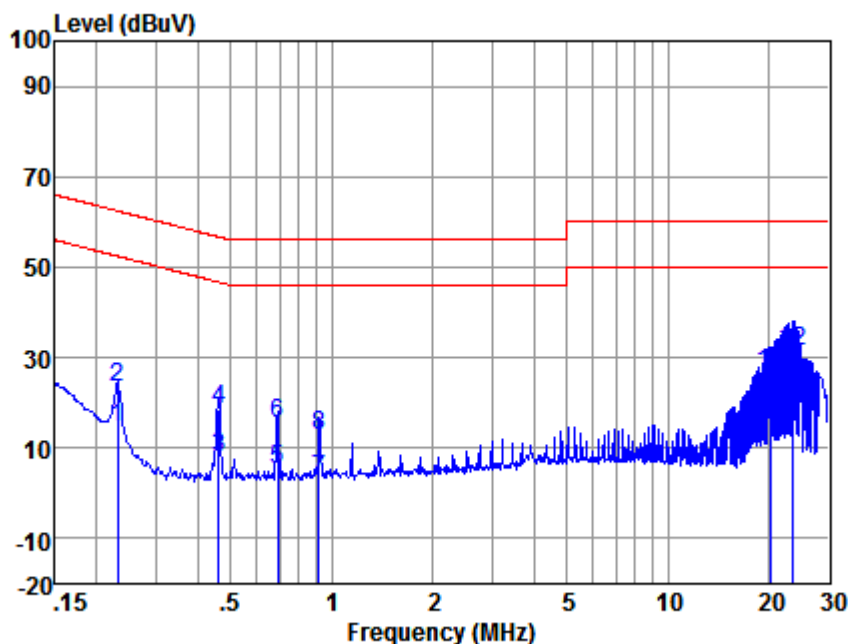
Mode:d; Line:Neutral Line



Site : chamber
Condition : LISN-N-2017
EUT/Project No: 8396IT
Test mode : d

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.339 | 23.63 | 0.11 | 9.81 | 33.55 | 49.22 | -15.67 | Average |
| 2 | 0.339 | 36.41 | 0.11 | 9.81 | 46.33 | 59.22 | -12.89 | QP |
| 3 | 0.582 | 9.03 | 0.11 | 9.82 | 18.96 | 46.00 | -27.04 | Average |
| 4 | 0.582 | 26.34 | 0.11 | 9.82 | 36.27 | 56.00 | -19.73 | QP |
| 5 | 1.027 | 5.94 | 0.11 | 9.84 | 15.89 | 46.00 | -30.11 | Average |
| 6 | 1.027 | 22.13 | 0.11 | 9.84 | 32.08 | 56.00 | -23.92 | QP |
| 7 | 1.908 | 5.44 | 0.12 | 9.85 | 15.41 | 46.00 | -30.59 | Average |
| 8 | 1.908 | 22.05 | 0.12 | 9.85 | 32.02 | 56.00 | -23.98 | QP |
| 9 | 5.774 | 9.53 | 0.13 | 9.86 | 19.52 | 50.00 | -30.48 | Average |
| 10 | 5.774 | 23.23 | 0.13 | 9.86 | 33.22 | 60.00 | -26.78 | QP |
| 11 | 7.175 | 11.84 | 0.13 | 9.86 | 21.83 | 50.00 | -28.17 | Average |
| 12 | 7.175 | 23.78 | 0.13 | 9.86 | 33.77 | 60.00 | -26.23 | QP |

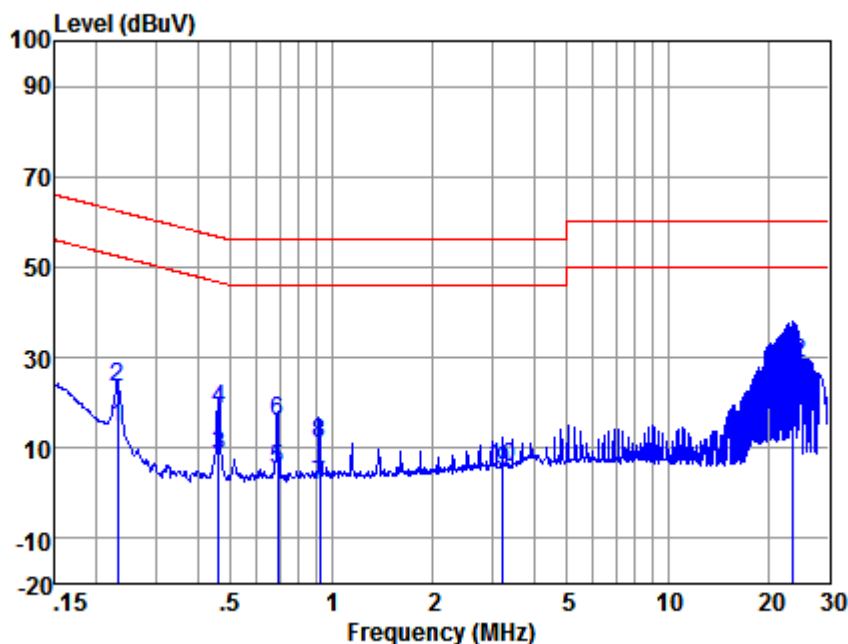
Mode:e; Line:Live Line



Site : chamber
Condition : LISN-L-2017
EUT/Project No: 8396IT
Test mode : e

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|--------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.230 | 4.41 | 0.11 | 9.81 | 14.33 | 52.44 | -38.11 | Average |
| 2 | 0.230 | 13.28 | 0.11 | 9.81 | 23.20 | 62.44 | -39.24 | QP |
| 3 | 0.461 | -1.85 | 0.11 | 9.82 | 8.08 | 46.67 | -38.59 | Average |
| 4 | 0.461 | 8.61 | 0.11 | 9.82 | 18.54 | 56.67 | -38.13 | QP |
| 5 | 0.690 | -4.79 | 0.11 | 9.83 | 5.15 | 46.00 | -40.85 | Average |
| 6 | 0.690 | 5.53 | 0.11 | 9.83 | 15.47 | 56.00 | -40.53 | QP |
| 7 | 0.918 | -6.89 | 0.11 | 9.83 | 3.05 | 46.00 | -42.95 | Average |
| 8 | 0.918 | 2.82 | 0.11 | 9.83 | 12.76 | 56.00 | -43.24 | QP |
| 9 | 20.270 | 8.81 | 0.18 | 10.03 | 19.02 | 50.00 | -30.98 | Average |
| 10 | 20.270 | 16.13 | 0.18 | 10.03 | 26.34 | 60.00 | -33.66 | QP |
| 11 | 23.636 | 11.40 | 0.20 | 10.04 | 21.64 | 50.00 | -28.36 | Average |
| 12 | 23.636 | 21.18 | 0.20 | 10.04 | 31.42 | 60.00 | -28.58 | QP |

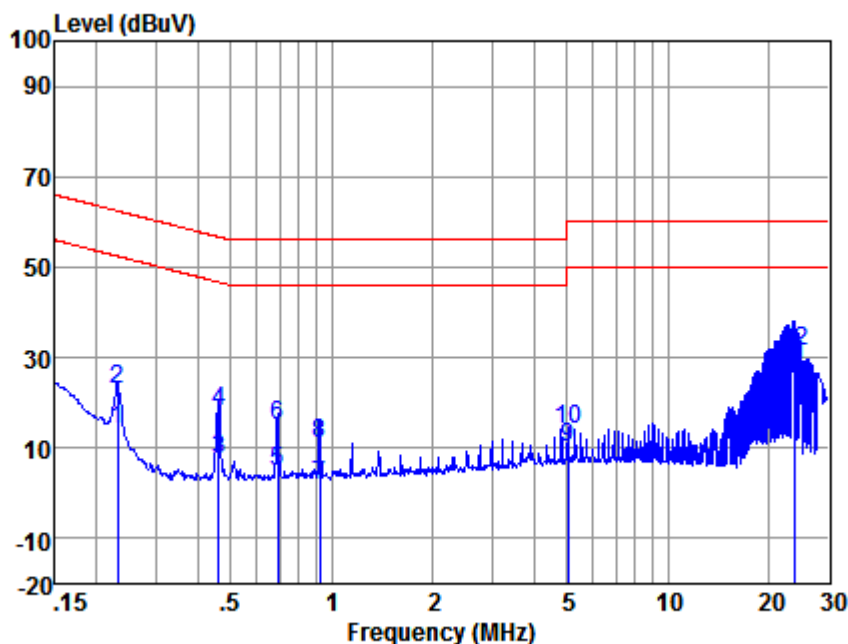
Mode:e; Line:Neutral Line



Site : chamber
Condition : LISN-N-2017
EUT/Project No: 8396IT
Test mode : e

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|--------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.230 | 4.59 | 0.11 | 9.81 | 14.51 | 52.44 | -37.93 | Average |
| 2 | 0.230 | 13.49 | 0.11 | 9.81 | 23.41 | 62.44 | -39.03 | QP |
| 3 | 0.461 | -1.67 | 0.11 | 9.82 | 8.26 | 46.67 | -38.41 | Average |
| 4 | 0.461 | 8.81 | 0.11 | 9.82 | 18.74 | 56.67 | -37.93 | QP |
| 5 | 0.690 | -4.64 | 0.11 | 9.83 | 5.30 | 46.00 | -40.70 | Average |
| 6 | 0.690 | 5.74 | 0.11 | 9.83 | 15.68 | 56.00 | -40.32 | QP |
| 7 | 0.923 | -8.21 | 0.11 | 9.83 | 1.73 | 46.00 | -44.27 | Average |
| 8 | 0.923 | 1.18 | 0.11 | 9.83 | 11.12 | 56.00 | -44.88 | QP |
| 9 | 3.224 | -5.13 | 0.13 | 9.85 | 4.85 | 46.00 | -41.15 | Average |
| 10 | 3.224 | -4.32 | 0.13 | 9.85 | 5.66 | 56.00 | -50.34 | QP |
| 11 | 23.636 | 8.30 | 0.22 | 10.04 | 18.56 | 50.00 | -31.44 | Average |
| 12 | 23.636 | 18.34 | 0.22 | 10.04 | 28.60 | 60.00 | -31.40 | QP |

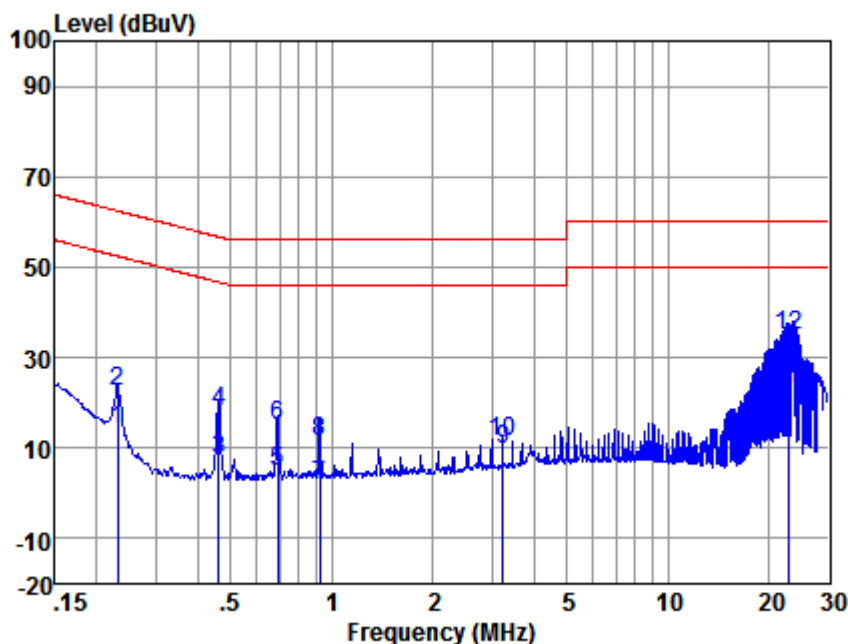
Mode:f; Line:Live Line



Site : chamber
Condition : LISN-L-2017
EUT/Project No: 8396IT
Test mode : f

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|--------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.230 | 4.11 | 0.11 | 9.81 | 14.03 | 52.44 | -38.41 | Average |
| 2 | 0.230 | 12.85 | 0.11 | 9.81 | 22.77 | 62.44 | -39.67 | QP |
| 3 | 0.461 | -2.34 | 0.11 | 9.82 | 7.59 | 46.67 | -39.08 | Average |
| 4 | 0.461 | 8.14 | 0.11 | 9.82 | 18.07 | 56.67 | -38.60 | QP |
| 5 | 0.690 | -5.06 | 0.11 | 9.83 | 4.88 | 46.00 | -41.12 | Average |
| 6 | 0.690 | 5.05 | 0.11 | 9.83 | 14.99 | 56.00 | -41.01 | QP |
| 7 | 0.923 | -8.19 | 0.11 | 9.83 | 1.75 | 46.00 | -44.25 | Average |
| 8 | 0.923 | 1.10 | 0.11 | 9.83 | 11.04 | 56.00 | -44.96 | QP |
| 9 | 5.058 | 0.27 | 0.11 | 9.86 | 10.24 | 50.00 | -39.76 | Average |
| 10 | 5.058 | 4.06 | 0.11 | 9.86 | 14.03 | 60.00 | -45.97 | QP |
| 11 | 23.762 | 18.06 | 0.20 | 10.04 | 28.30 | 50.00 | -21.70 | Average |
| 12 | 23.762 | 21.09 | 0.20 | 10.04 | 31.33 | 60.00 | -28.67 | QP |

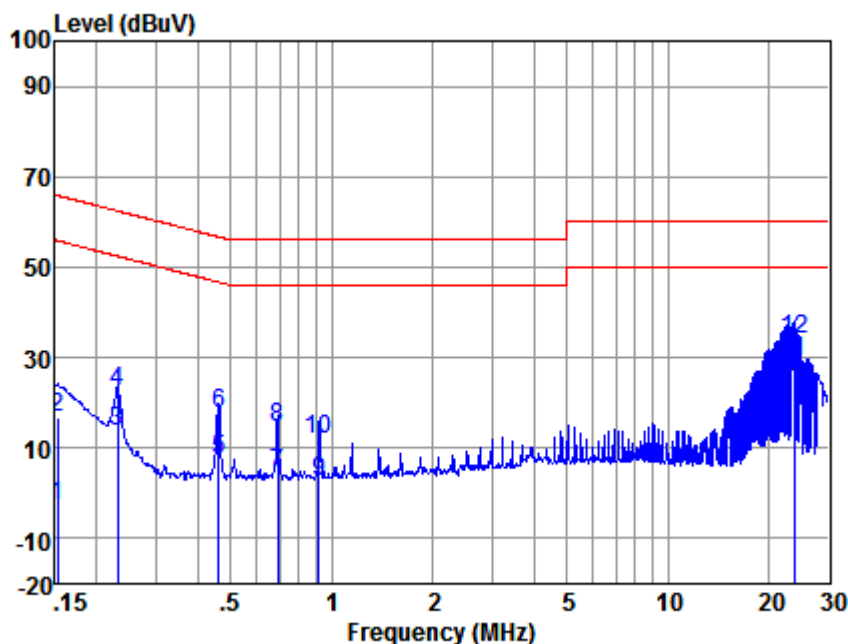
Mode:f; Line:Neutral Line



Site : chamber
Condition : LISN-N-2017
EUT/Project No: 8396IT
Test mode : f

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|--------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.230 | 4.03 | 0.11 | 9.81 | 13.95 | 52.44 | -38.49 | Average |
| 2 | 0.230 | 12.67 | 0.11 | 9.81 | 22.59 | 62.44 | -39.85 | QP |
| 3 | 0.461 | -2.28 | 0.11 | 9.82 | 7.65 | 46.67 | -39.02 | Average |
| 4 | 0.461 | 8.04 | 0.11 | 9.82 | 17.97 | 56.67 | -38.70 | QP |
| 5 | 0.690 | -5.29 | 0.11 | 9.83 | 4.65 | 46.00 | -41.35 | Average |
| 6 | 0.690 | 5.02 | 0.11 | 9.83 | 14.96 | 56.00 | -41.04 | QP |
| 7 | 0.923 | -8.21 | 0.11 | 9.83 | 1.73 | 46.00 | -44.27 | Average |
| 8 | 0.923 | 1.31 | 0.11 | 9.83 | 11.25 | 56.00 | -44.75 | QP |
| 9 | 3.224 | -0.48 | 0.13 | 9.85 | 9.50 | 46.00 | -36.50 | Average |
| 10 | 3.224 | 1.52 | 0.13 | 9.85 | 11.50 | 56.00 | -44.50 | QP |
| 11 | 22.775 | 12.57 | 0.21 | 10.04 | 22.82 | 50.00 | -27.18 | Average |
| 12 | 22.775 | 24.54 | 0.21 | 10.04 | 34.79 | 60.00 | -25.21 | QP |

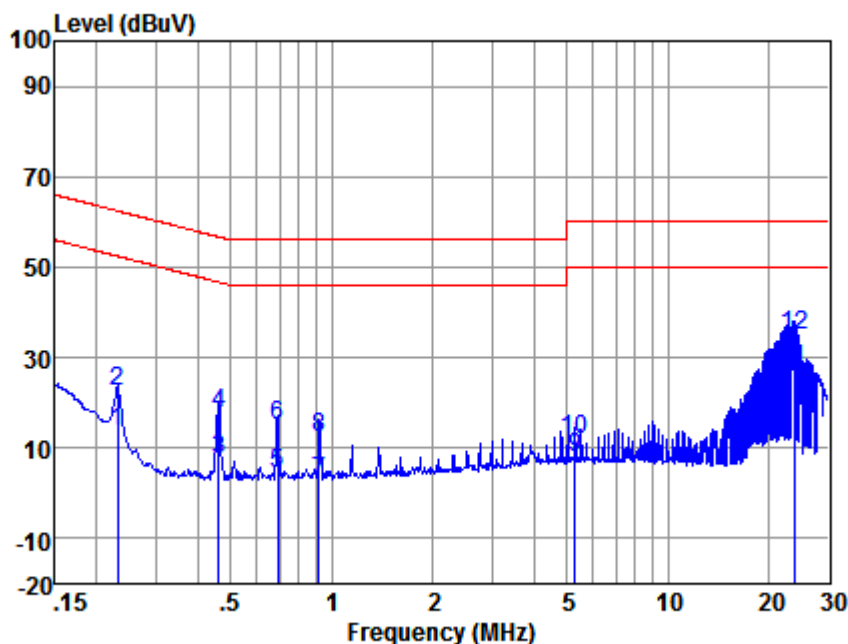
Mode:g; Line:Live Line



Site : chamber
Condition : LISN-L-2017
EUT/Project No: 8396IT
Test mode : g

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|--------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.152 | -12.85 | 0.11 | 9.81 | -2.93 | 55.87 | -58.80 | Average |
| 2 | 0.152 | 6.66 | 0.11 | 9.81 | 16.58 | 65.87 | -49.29 | QP |
| 3 | 0.230 | 3.68 | 0.11 | 9.81 | 13.60 | 52.44 | -38.84 | Average |
| 4 | 0.230 | 12.39 | 0.11 | 9.81 | 22.31 | 62.44 | -40.13 | QP |
| 5 | 0.461 | -2.57 | 0.11 | 9.82 | 7.36 | 46.67 | -39.31 | Average |
| 6 | 0.461 | 7.73 | 0.11 | 9.82 | 17.66 | 56.67 | -39.01 | QP |
| 7 | 0.690 | -5.46 | 0.11 | 9.83 | 4.48 | 46.00 | -41.52 | Average |
| 8 | 0.690 | 4.80 | 0.11 | 9.83 | 14.74 | 56.00 | -41.26 | QP |
| 9 | 0.918 | -7.16 | 0.11 | 9.83 | 2.78 | 46.00 | -43.22 | Average |
| 10 | 0.918 | 2.05 | 0.11 | 9.83 | 11.99 | 56.00 | -44.01 | QP |
| 11 | 23.762 | 18.78 | 0.20 | 10.04 | 29.02 | 50.00 | -20.98 | Average |
| 12 | 23.762 | 23.65 | 0.20 | 10.04 | 33.89 | 60.00 | -26.11 | QP |

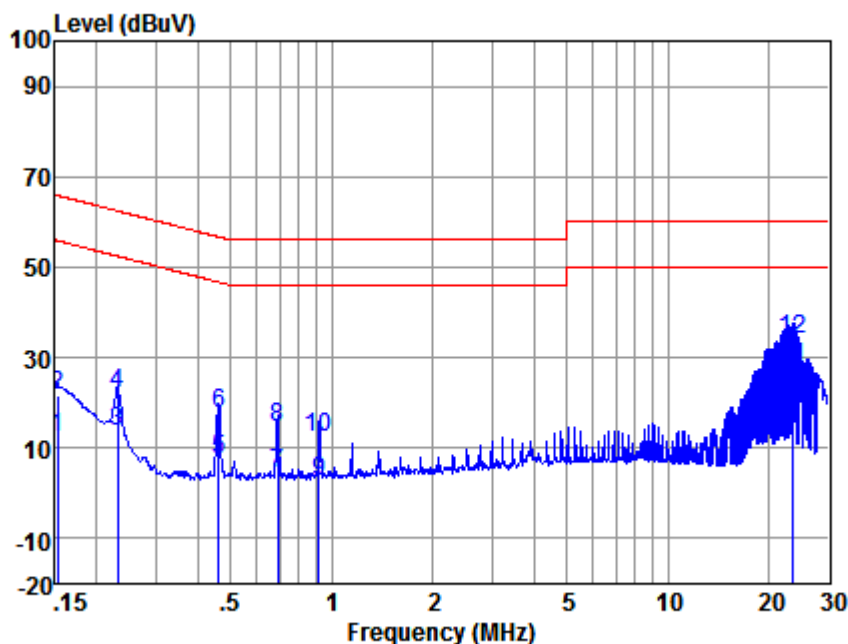
Mode:g; Line:Neutral Line



Site : chamber
Condition : LISN-N-2017
EUT/Project No: 8396IT
Test mode : g

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|--------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.230 | 3.87 | 0.11 | 9.81 | 13.79 | 52.44 | -38.65 | Average |
| 2 | 0.230 | 12.52 | 0.11 | 9.81 | 22.44 | 62.44 | -40.00 | QP |
| 3 | 0.461 | -2.46 | 0.11 | 9.82 | 7.47 | 46.67 | -39.20 | Average |
| 4 | 0.461 | 7.90 | 0.11 | 9.82 | 17.83 | 56.67 | -38.84 | QP |
| 5 | 0.690 | -5.40 | 0.11 | 9.83 | 4.54 | 46.00 | -41.46 | Average |
| 6 | 0.690 | 4.94 | 0.11 | 9.83 | 14.88 | 56.00 | -41.12 | QP |
| 7 | 0.918 | -7.20 | 0.11 | 9.83 | 2.74 | 46.00 | -43.26 | Average |
| 8 | 0.918 | 2.36 | 0.11 | 9.83 | 12.30 | 56.00 | -43.70 | QP |
| 9 | 5.305 | -2.00 | 0.13 | 9.86 | 7.99 | 50.00 | -42.01 | Average |
| 10 | 5.305 | 1.81 | 0.13 | 9.86 | 11.80 | 60.00 | -48.20 | QP |
| 11 | 23.762 | 16.90 | 0.22 | 10.04 | 27.16 | 50.00 | -22.84 | Average |
| 12 | 23.762 | 24.57 | 0.22 | 10.04 | 34.83 | 60.00 | -25.17 | QP |

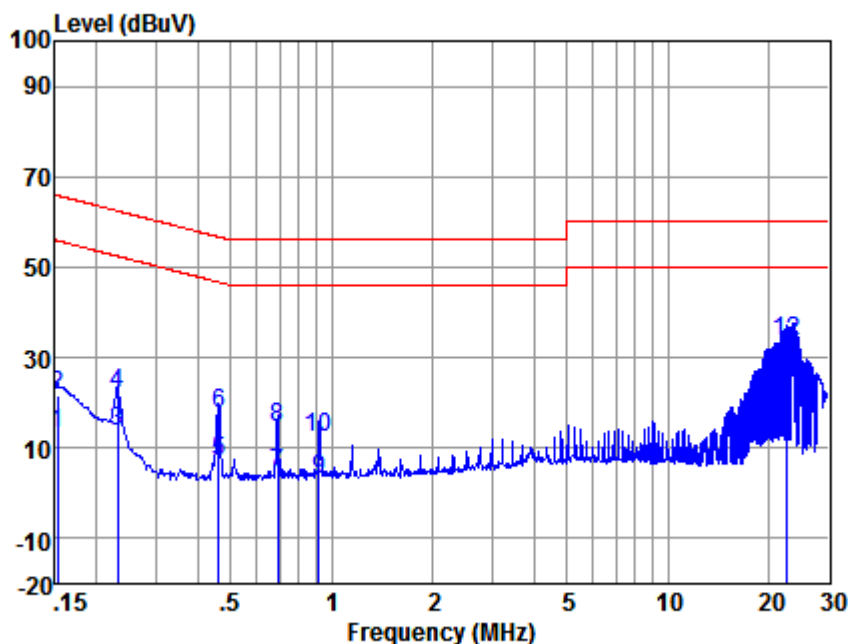
Mode:h; Line:Live Line



Site : chamber
Condition : LISN-L-2017
EUT/Project No: 8396IT
Test mode : h

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|--------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.152 | 2.42 | 0.11 | 9.81 | 12.34 | 55.87 | -43.53 | Average |
| 2 | 0.152 | 11.62 | 0.11 | 9.81 | 21.54 | 65.87 | -44.33 | QP |
| 3 | 0.230 | 3.71 | 0.11 | 9.81 | 13.63 | 52.44 | -38.81 | Average |
| 4 | 0.230 | 12.29 | 0.11 | 9.81 | 22.21 | 62.44 | -40.23 | QP |
| 5 | 0.461 | -2.59 | 0.11 | 9.82 | 7.34 | 46.67 | -39.33 | Average |
| 6 | 0.461 | 7.66 | 0.11 | 9.82 | 17.59 | 56.67 | -39.08 | QP |
| 7 | 0.690 | -5.56 | 0.11 | 9.83 | 4.38 | 46.00 | -41.62 | Average |
| 8 | 0.690 | 4.70 | 0.11 | 9.83 | 14.64 | 56.00 | -41.36 | QP |
| 9 | 0.918 | -7.20 | 0.11 | 9.83 | 2.74 | 46.00 | -43.26 | Average |
| 10 | 0.918 | 2.17 | 0.11 | 9.83 | 12.11 | 56.00 | -43.89 | QP |
| 11 | 23.636 | 17.77 | 0.20 | 10.04 | 28.01 | 50.00 | -21.99 | Average |
| 12 | 23.636 | 23.59 | 0.20 | 10.04 | 33.83 | 60.00 | -26.17 | QP |

Mode:h; Line:Neutral Line



Site : chamber
Condition : LISN-N-2017
EUT/Project No: 8396IT
Test mode : h

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|--------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.152 | 3.20 | 0.12 | 9.81 | 13.13 | 55.87 | -42.74 | Average |
| 2 | 0.152 | 11.60 | 0.12 | 9.81 | 21.53 | 65.87 | -44.34 | QP |
| 3 | 0.230 | 3.68 | 0.11 | 9.81 | 13.60 | 52.44 | -38.84 | Average |
| 4 | 0.230 | 12.24 | 0.11 | 9.81 | 22.16 | 62.44 | -40.28 | QP |
| 5 | 0.461 | -2.70 | 0.11 | 9.82 | 7.23 | 46.67 | -39.44 | Average |
| 6 | 0.461 | 7.54 | 0.11 | 9.82 | 17.47 | 56.67 | -39.20 | QP |
| 7 | 0.690 | -5.49 | 0.11 | 9.83 | 4.45 | 46.00 | -41.55 | Average |
| 8 | 0.690 | 4.56 | 0.11 | 9.83 | 14.50 | 56.00 | -41.50 | QP |
| 9 | 0.918 | -7.06 | 0.11 | 9.83 | 2.88 | 46.00 | -43.12 | Average |
| 10 | 0.918 | 2.32 | 0.11 | 9.83 | 12.26 | 56.00 | -43.74 | QP |
| 11 | 22.535 | 17.24 | 0.21 | 10.04 | 27.49 | 50.00 | -22.51 | Average |
| 12 | 22.535 | 23.32 | 0.21 | 10.04 | 33.57 | 60.00 | -26.43 | QP |

6.2 Radiated Emissions (30MHz-1GHz)

| | |
|-----------------------|---|
| Test Requirement: | 47 CFR Part 15, Subpart B |
| Test Method: | ANSI C63.4 |
| Frequency Range: | 30MHz to 1GHz |
| Measurement Distance: | 3m |
| Limit: | |
| 30MHz -88MHz | 40.0(dBμV/m) quasi-peak |
| 88MHz-216MHz | 43.5(dBμV/m) quasi-peak |
| 216MHz-960MHz | 46.0(dBμV/m) quasi-peak |
| 960MHz-1000MHz | 54.0(dBμV/m) quasi-peak |
| Detector: | Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz |

6.2.1 E.U.T. Operation

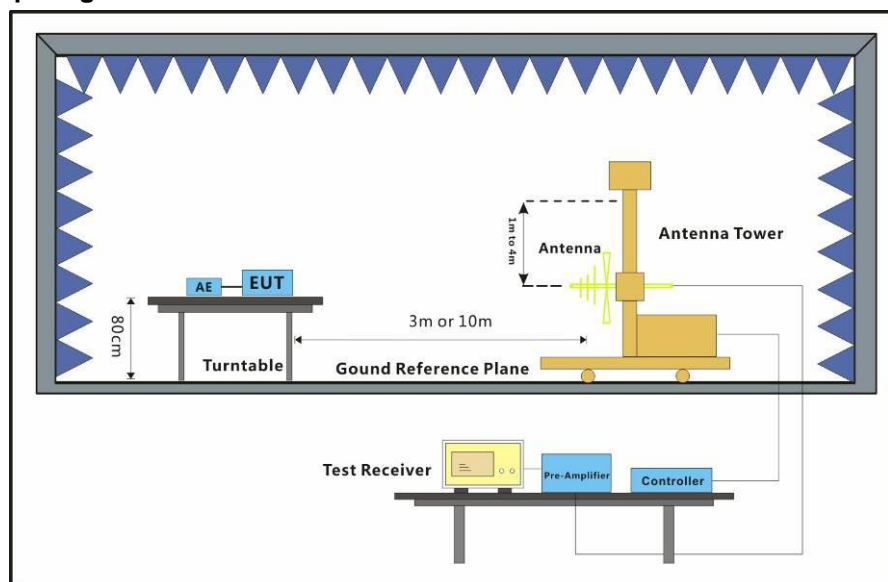
Operating Environment:

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test Mode:

- a: CVI previewing by DC12V support .
- b: AHD previewing by DC12V support .
- c: CVBS previewing by DC12V support .
- d: TVI previewing by DC12V support .
- e: CVI previewing by AC24V support .
- f: AHD previewing by AC24V support .
- g: CVBS previewing by AC24V support .
- h: TVI previewing by AC24V support .

6.2.2 Test Setup Diagram



6.2.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

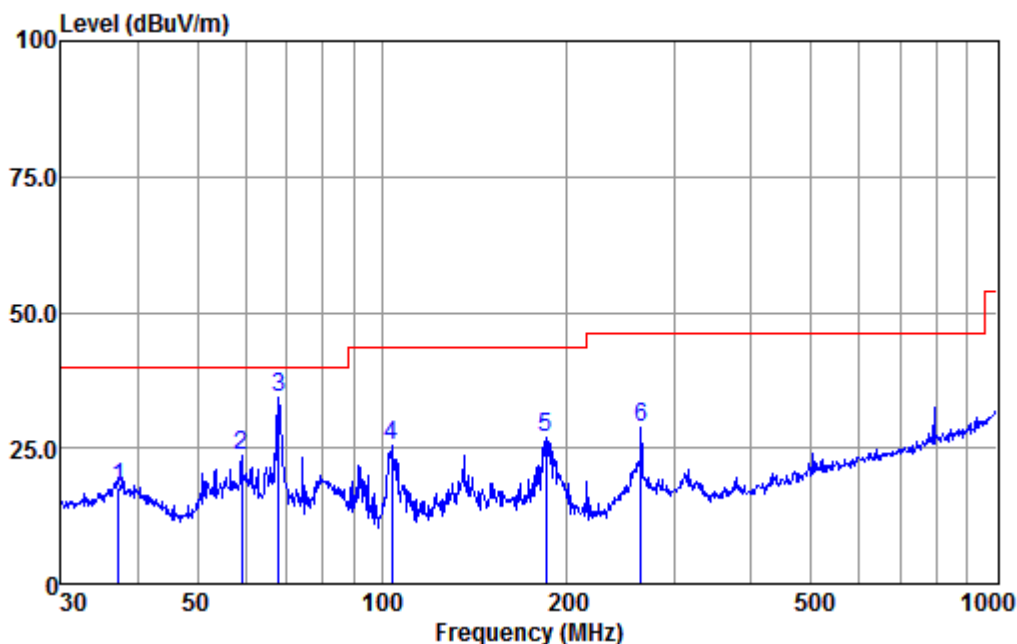
Notes: Emission Level=Read Level + Antenna Factor + Cable Loss – Preamp Factor



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHEM180200097701
Page: 27 of 68

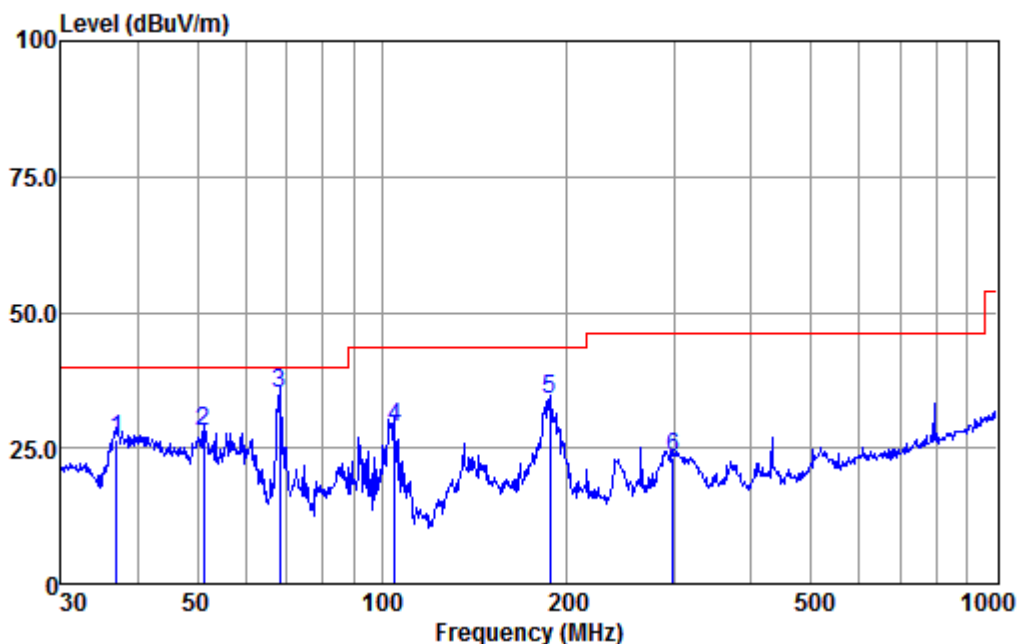
Mode:a; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test Mode : a

| | Freq | ReadAntenna | Cable | Preamp | | Limit | Over | |
|-----|--------|-------------|-------|--------|-------|--------|--------|-----------|
| | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB |
| 1 | 37.29 | 43.95 | 16.06 | 0.21 | 42.62 | 17.60 | 40.00 | -22.40 QP |
| 2 | 59.03 | 53.69 | 12.41 | 0.30 | 42.65 | 23.75 | 40.00 | -16.25 QP |
| 3 q | 67.91 | 64.99 | 11.65 | 0.33 | 42.66 | 34.31 | 40.00 | -5.69 QP |
| 4 | 103.81 | 58.23 | 9.54 | 0.47 | 42.69 | 25.55 | 43.50 | -17.95 QP |
| 5 | 185.14 | 57.87 | 11.05 | 0.67 | 42.55 | 27.04 | 43.50 | -16.46 QP |
| 6 | 263.82 | 58.50 | 11.99 | 0.79 | 42.44 | 28.84 | 46.00 | -17.16 QP |

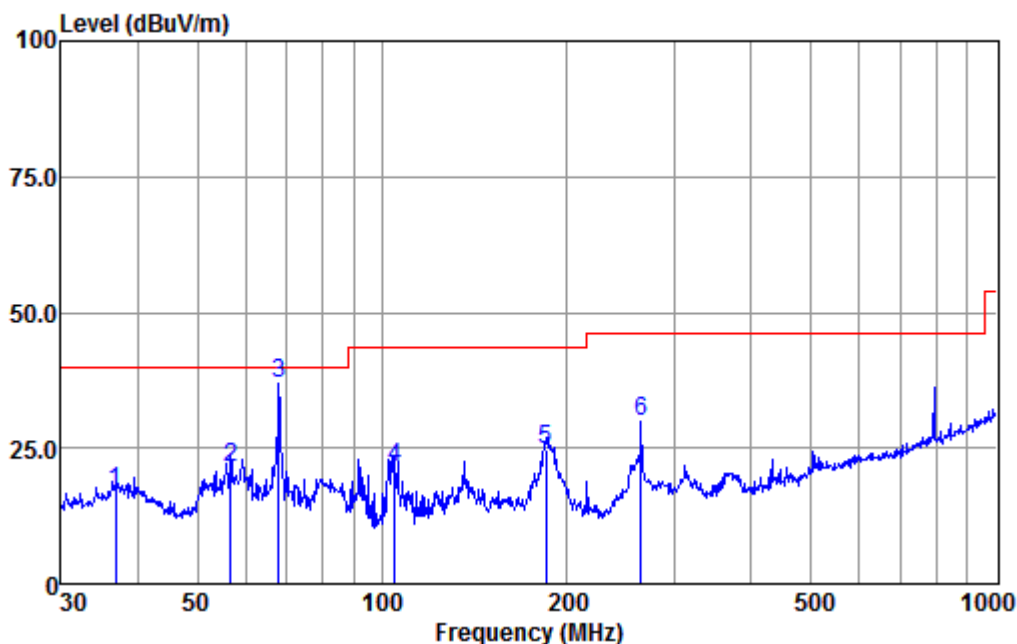
Mode:a; Polarization:Vertical



Condition : VERTICAL
EUT/Project: 8396IT
Test Mode : a

| | | ReadAntenna | Cable | Preamp | | Limit | Over | |
|-----|--------|-------------|--------|--------|--------|--------|--------|-----------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB |
| 1 | 36.90 | 53.09 | 16.02 | 0.21 | 42.62 | 26.70 | 40.00 | -13.30 QP |
| 2 | 51.30 | 59.72 | 10.87 | 0.26 | 42.64 | 28.21 | 40.00 | -11.79 QP |
| 3 q | 68.15 | 65.85 | 11.62 | 0.33 | 42.66 | 35.14 | 40.00 | -4.86 QP |
| 4 | 104.90 | 61.41 | 9.55 | 0.47 | 42.69 | 28.74 | 43.50 | -14.76 QP |
| 5 | 187.75 | 65.04 | 10.62 | 0.67 | 42.54 | 33.79 | 43.50 | -9.71 QP |
| 6 | 298.27 | 51.79 | 13.13 | 0.84 | 42.40 | 23.36 | 46.00 | -22.64 QP |

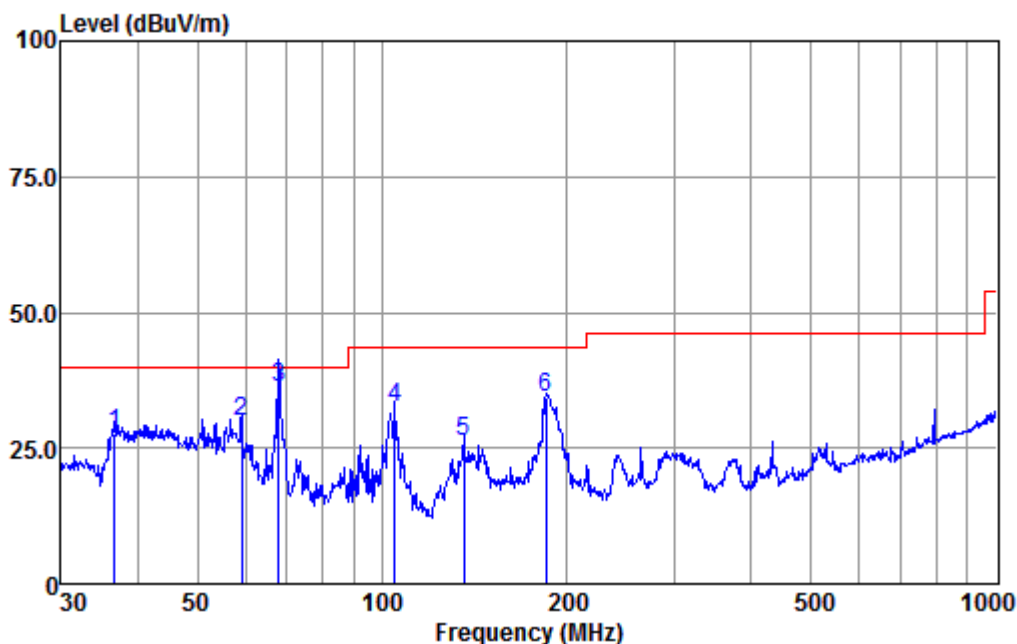
Mode:b; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test Mode : b

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|-----|--------|-------------|--------|--------------|--------|--------|--------|--------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 36.77 | 43.38 | 16.01 | 0.21 | 42.62 | 16.98 | 40.00 | -23.02 | QP |
| 2 | 56.79 | 51.94 | 11.98 | 0.29 | 42.65 | 21.56 | 40.00 | -18.44 | QP |
| 3 q | 67.91 | 67.62 | 11.65 | 0.33 | 42.66 | 36.94 | 40.00 | -3.06 | QP |
| 4 | 104.90 | 54.23 | 9.55 | 0.47 | 42.69 | 21.56 | 43.50 | -21.94 | QP |
| 5 | 185.14 | 55.63 | 11.05 | 0.67 | 42.55 | 24.80 | 43.50 | -18.70 | QP |
| 6 | 263.82 | 59.48 | 11.99 | 0.79 | 42.44 | 29.82 | 46.00 | -16.18 | QP |

Mode:b; Polarization:Vertical



Condition : VERTICAL

EUT/Project: 8396IT

Test Mode : b

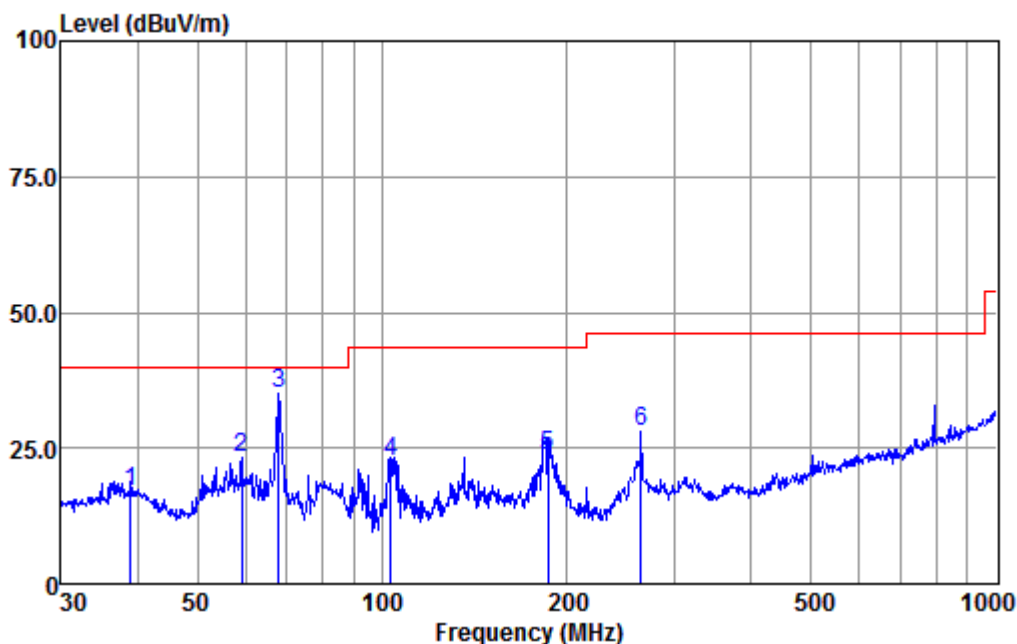
| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|-----|--------|-------------|--------|--------------|--------|--------|--------|--------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 36.64 | 54.26 | 16.00 | 0.21 | 42.62 | 27.85 | 40.00 | -12.15 | QP |
| 2 | 59.03 | 59.94 | 12.41 | 0.30 | 42.65 | 30.00 | 40.00 | -10.00 | QP |
| 3 q | 67.91 | 67.02 | 11.65 | 0.33 | 42.66 | 36.34 | 40.00 | -3.66 | QP |
| 4 | 104.90 | 65.12 | 9.55 | 0.47 | 42.69 | 32.45 | 43.50 | -11.05 | QP |
| 5 | 135.98 | 56.46 | 11.87 | 0.60 | 42.64 | 26.29 | 43.50 | -17.21 | QP |
| 6 | 185.14 | 64.99 | 11.05 | 0.67 | 42.55 | 34.16 | 43.50 | -9.34 | QP |



SGS-CSTC Standards Technical Services
(Shanghai) Co., Ltd.

Report No.: SHEM180200097701
Page: 31 of 68

Mode:c; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test Mode : c

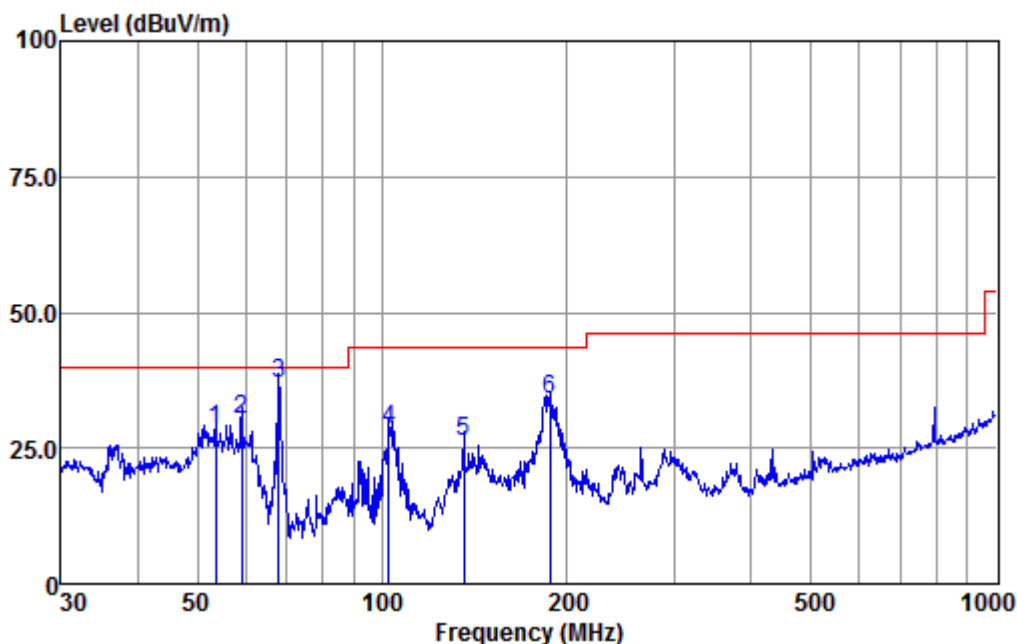
| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|-----|--------|-------------|--------|--------------|--------|--------|--------|--------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 38.89 | 43.16 | 16.20 | 0.22 | 42.62 | 16.96 | 40.00 | -23.04 | QP |
| 2 | 59.03 | 53.21 | 12.41 | 0.30 | 42.65 | 23.27 | 40.00 | -16.73 | QP |
| 3 q | 67.91 | 65.59 | 11.65 | 0.33 | 42.66 | 34.91 | 40.00 | -5.09 | QP |
| 4 | 103.44 | 55.09 | 9.54 | 0.47 | 42.69 | 22.41 | 43.50 | -21.09 | QP |
| 5 | 186.44 | 54.80 | 10.83 | 0.67 | 42.55 | 23.75 | 43.50 | -19.75 | QP |
| 6 | 263.82 | 57.71 | 11.99 | 0.79 | 42.44 | 28.05 | 46.00 | -17.95 | QP |



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHEM180200097701
Page: 32 of 68

Mode:c; Polarization:Vertical



Condition : VERTICAL
EUT/Project: 8396IT
Test Mode : c

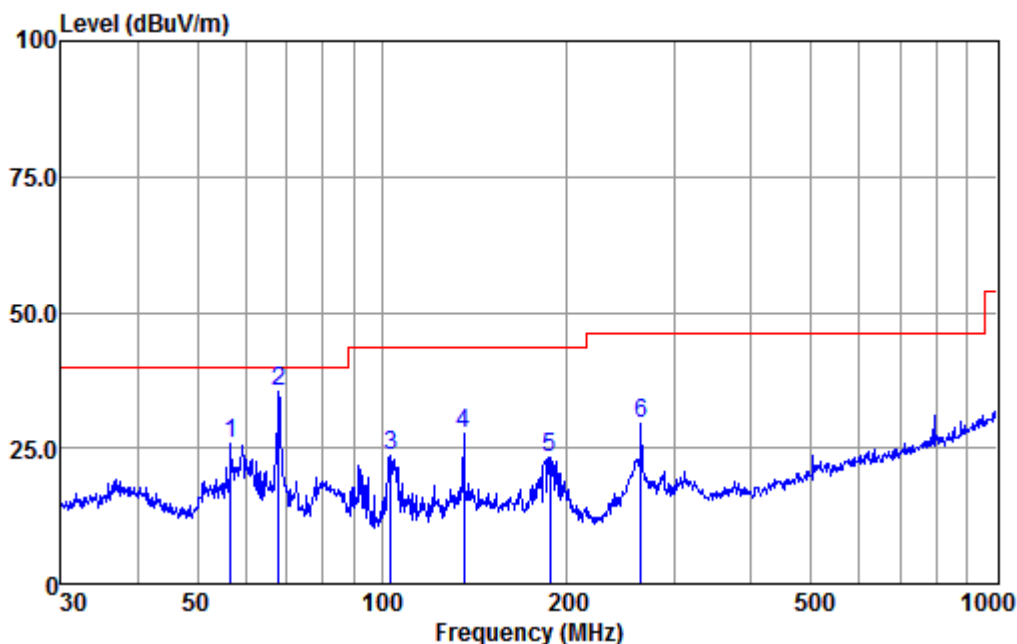
| | Freq | ReadAntenna | Cable | Preamp | | Limit | Over | |
|-----|--------|-------------|--------|--------|--------|--------|--------|-----------|
| | MHz | Level | Factor | Loss | Factor | Level | Line | Limit |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB |
| 1 | 53.51 | 59.56 | 11.33 | 0.27 | 42.64 | 28.52 | 40.00 | -11.48 QP |
| 2 | 59.03 | 60.26 | 12.41 | 0.30 | 42.65 | 30.32 | 40.00 | -9.68 QP |
| 3 q | 67.91 | 67.60 | 11.65 | 0.33 | 42.66 | 36.92 | 40.00 | -3.08 QP |
| 4 | 102.72 | 61.16 | 9.53 | 0.47 | 42.69 | 28.47 | 43.50 | -15.03 QP |
| 5 | 135.98 | 56.30 | 11.87 | 0.60 | 42.64 | 26.13 | 43.50 | -17.37 QP |
| 6 | 187.75 | 65.14 | 10.62 | 0.67 | 42.54 | 33.89 | 43.50 | -9.61 QP |



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHEM180200097701
Page: 33 of 68

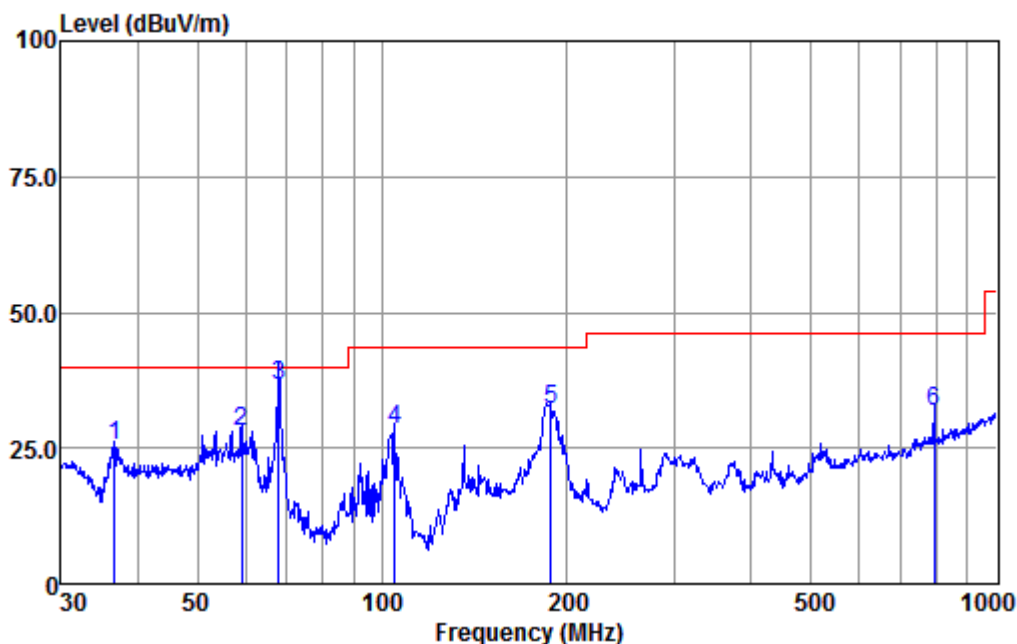
Mode:d; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test Mode : d

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|-----|--------|-------------|--------|--------------|--------|--------|--------|--------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 56.79 | 56.35 | 11.98 | 0.29 | 42.65 | 25.97 | 40.00 | -14.03 | QP |
| 2 q | 67.91 | 66.26 | 11.65 | 0.33 | 42.66 | 35.58 | 40.00 | -4.42 | QP |
| 3 | 103.44 | 56.22 | 9.54 | 0.47 | 42.69 | 23.54 | 43.50 | -19.96 | QP |
| 4 | 135.98 | 57.78 | 11.87 | 0.60 | 42.64 | 27.61 | 43.50 | -15.89 | QP |
| 5 | 187.75 | 54.45 | 10.62 | 0.67 | 42.54 | 23.20 | 43.50 | -20.30 | QP |
| 6 | 263.82 | 59.17 | 11.99 | 0.79 | 42.44 | 29.51 | 46.00 | -16.49 | QP |

Mode:d; Polarization:Vertical



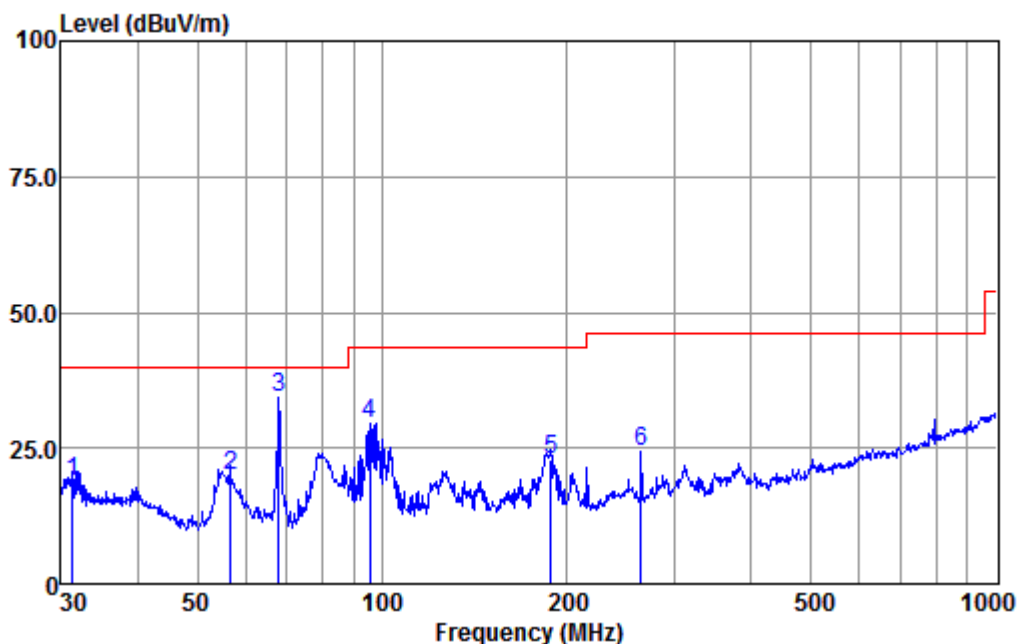
Condition : VERTICAL

EUT/Project: 8396IT

Test Mode : d

| | | ReadAntenna | Cable | Preamp | | Limit | Over | |
|-----|--------|-------------|--------|--------|--------|--------|--------|-----------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB |
| 1 | 36.64 | 51.70 | 16.00 | 0.21 | 42.62 | 25.29 | 40.00 | -14.71 QP |
| 2 | 59.03 | 57.93 | 12.41 | 0.30 | 42.65 | 27.99 | 40.00 | -12.01 QP |
| 3 q | 67.91 | 67.10 | 11.65 | 0.33 | 42.66 | 36.42 | 40.00 | -3.58 QP |
| 4 | 104.90 | 61.13 | 9.55 | 0.47 | 42.69 | 28.46 | 43.50 | -15.04 QP |
| 5 | 188.41 | 63.50 | 10.51 | 0.68 | 42.54 | 32.15 | 43.50 | -11.35 QP |
| 6 | 793.40 | 50.36 | 21.81 | 2.05 | 42.45 | 31.77 | 46.00 | -14.23 QP |

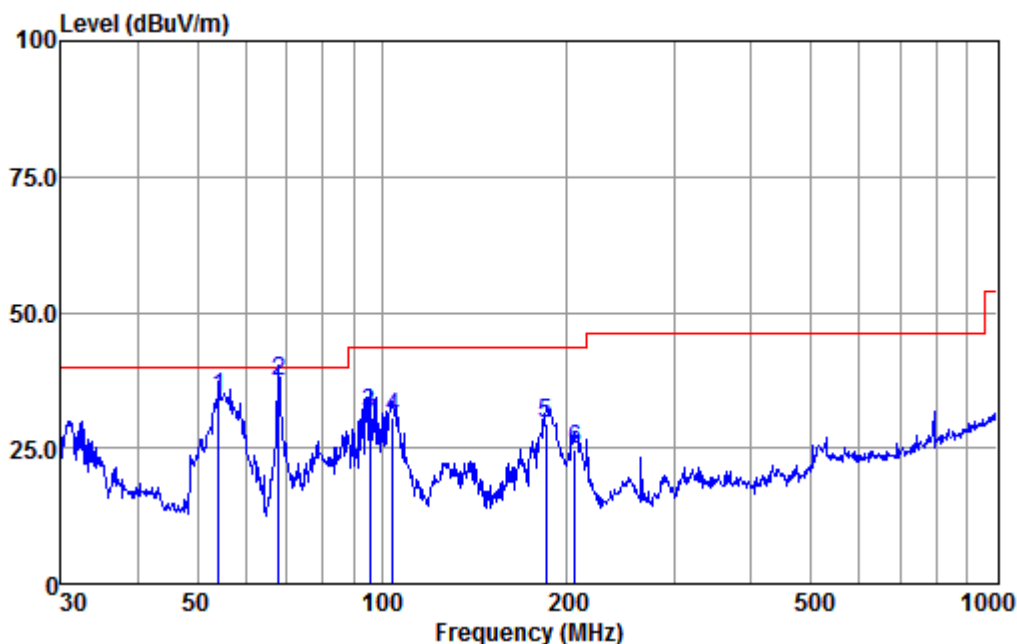
Mode:e; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test Mode : e

| | Freq | ReadAntenna Level | Factor | Cable Loss | Preamp Factor | Level | Limit | Over | Remark |
|-----|--------|----------------------|--------|---------------|------------------|--------|--------|--------|--------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 31.29 | 45.70 | 15.45 | 0.19 | 42.60 | 18.74 | 40.00 | -21.26 | QP |
| 2 | 56.59 | 50.33 | 11.95 | 0.29 | 42.65 | 19.92 | 40.00 | -20.08 | QP |
| 3 q | 67.91 | 64.85 | 11.65 | 0.33 | 42.66 | 34.17 | 40.00 | -5.83 | QP |
| 4 | 95.43 | 62.91 | 8.89 | 0.44 | 42.69 | 29.55 | 43.50 | -13.95 | QP |
| 5 | 188.41 | 54.08 | 10.51 | 0.68 | 42.54 | 22.73 | 43.50 | -20.77 | QP |
| 6 | 263.82 | 53.91 | 11.99 | 0.79 | 42.44 | 24.25 | 46.00 | -21.75 | QP |

Mode:e; Polarization:Vertical



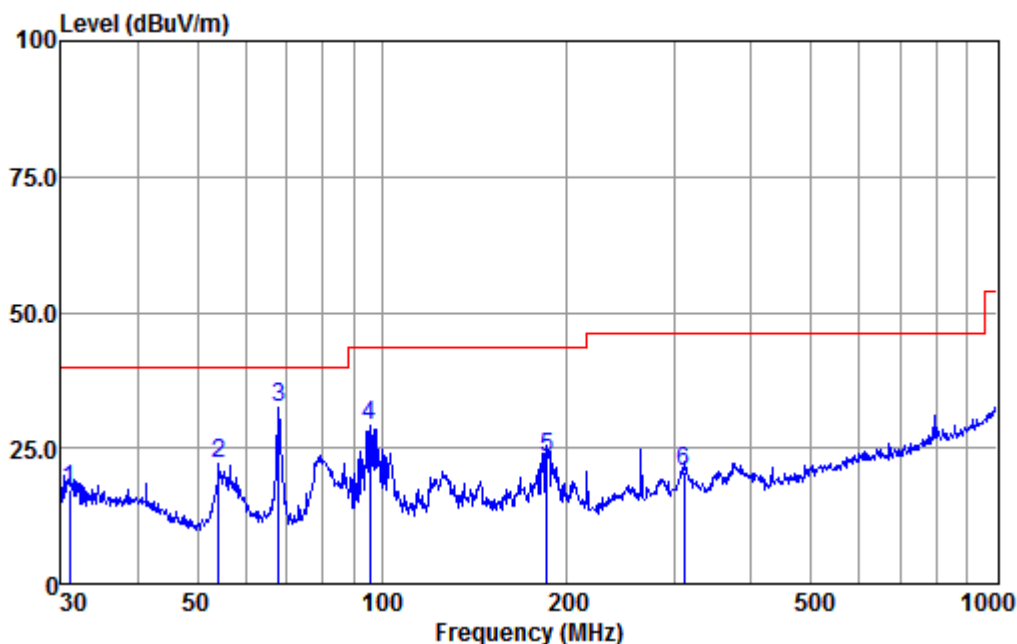
Condition : VERTICAL

EUT/Project: 8396IT

Test Mode : e

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|-----|--------|-------------|--------|--------------|--------|--------|--------|--------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 54.26 | 65.25 | 11.48 | 0.28 | 42.65 | 34.36 | 40.00 | -5.64 | QP |
| 2 q | 67.91 | 67.86 | 11.65 | 0.33 | 42.66 | 37.18 | 40.00 | -2.82 | QP |
| 3 | 95.43 | 64.66 | 8.89 | 0.44 | 42.69 | 31.30 | 43.50 | -12.20 | QP |
| 4 | 104.17 | 63.31 | 9.54 | 0.47 | 42.69 | 30.63 | 43.50 | -12.87 | QP |
| 5 | 185.14 | 60.46 | 11.05 | 0.67 | 42.55 | 29.63 | 43.50 | -13.87 | QP |
| 6 | 206.40 | 56.97 | 9.69 | 0.70 | 42.52 | 24.84 | 43.50 | -18.66 | QP |

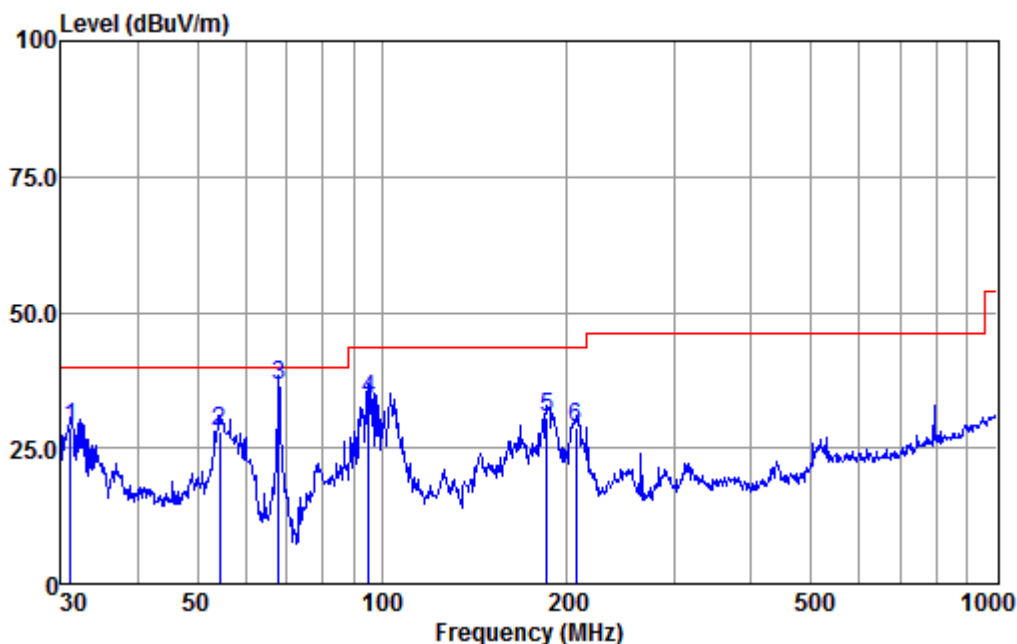
Mode:f; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test Mode : f

| | Freq | ReadAntenna Level | Antenna Factor | Cable Loss | Preamplifier Factor | Level | Limit Line | Over Limit | Remark |
|-----|--------|----------------------|-------------------|---------------|------------------------|--------|---------------|---------------|--------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 30.96 | 44.52 | 15.41 | 0.19 | 42.60 | 17.52 | 40.00 | -22.48 | QP |
| 2 | 54.26 | 53.21 | 11.48 | 0.28 | 42.65 | 22.32 | 40.00 | -17.68 | QP |
| 3 q | 67.91 | 63.20 | 11.65 | 0.33 | 42.66 | 32.52 | 40.00 | -7.48 | QP |
| 4 | 95.43 | 62.58 | 8.89 | 0.44 | 42.69 | 29.22 | 43.50 | -14.28 | QP |
| 5 | 185.79 | 54.31 | 10.94 | 0.67 | 42.55 | 23.37 | 43.50 | -20.13 | QP |
| 6 | 310.00 | 48.68 | 13.41 | 0.86 | 42.37 | 20.58 | 46.00 | -25.42 | QP |

Mode:f; Polarization:Vertical



Condition : VERTICAL

EUT/Project: 8396IT

Test Mode : f

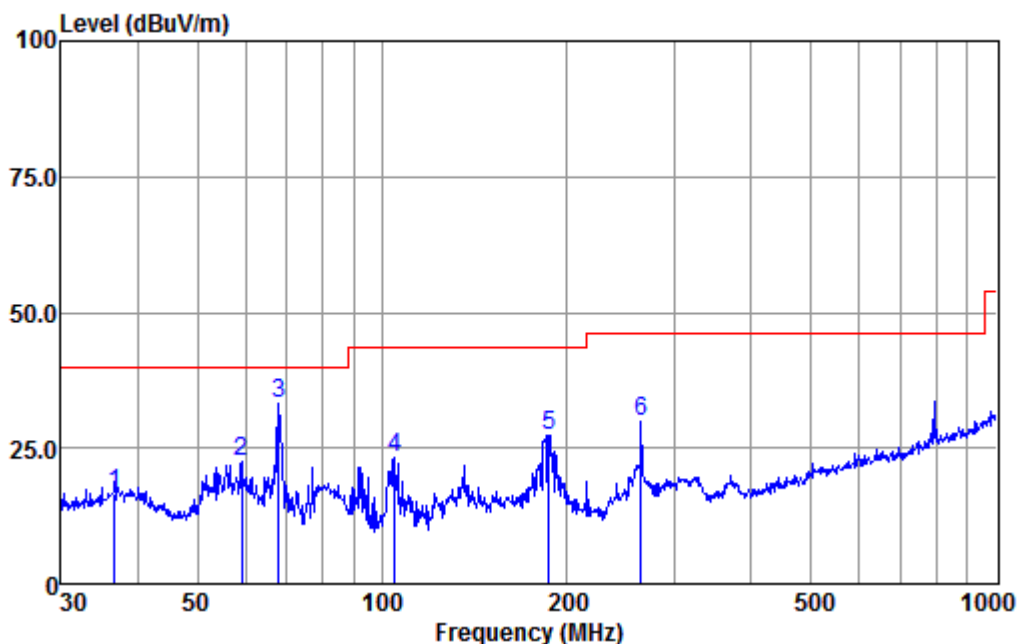
| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|-----|--------|-------------|--------|--------------|--------|--------|--------|--------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 31.07 | 55.64 | 15.42 | 0.19 | 42.60 | 28.65 | 40.00 | -11.35 | QP |
| 2 | 54.45 | 58.97 | 11.52 | 0.28 | 42.65 | 28.12 | 40.00 | -11.88 | QP |
| 3 q | 67.91 | 67.20 | 11.65 | 0.33 | 42.66 | 36.52 | 40.00 | -3.48 | QP |
| 4 | 95.09 | 67.33 | 8.85 | 0.44 | 42.69 | 33.93 | 43.50 | -9.57 | QP |
| 5 | 185.79 | 61.66 | 10.94 | 0.67 | 42.55 | 30.72 | 43.50 | -12.78 | QP |
| 6 | 207.12 | 60.96 | 9.73 | 0.70 | 42.51 | 28.88 | 43.50 | -14.62 | QP |



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHEM180200097701
Page: 39 of 68

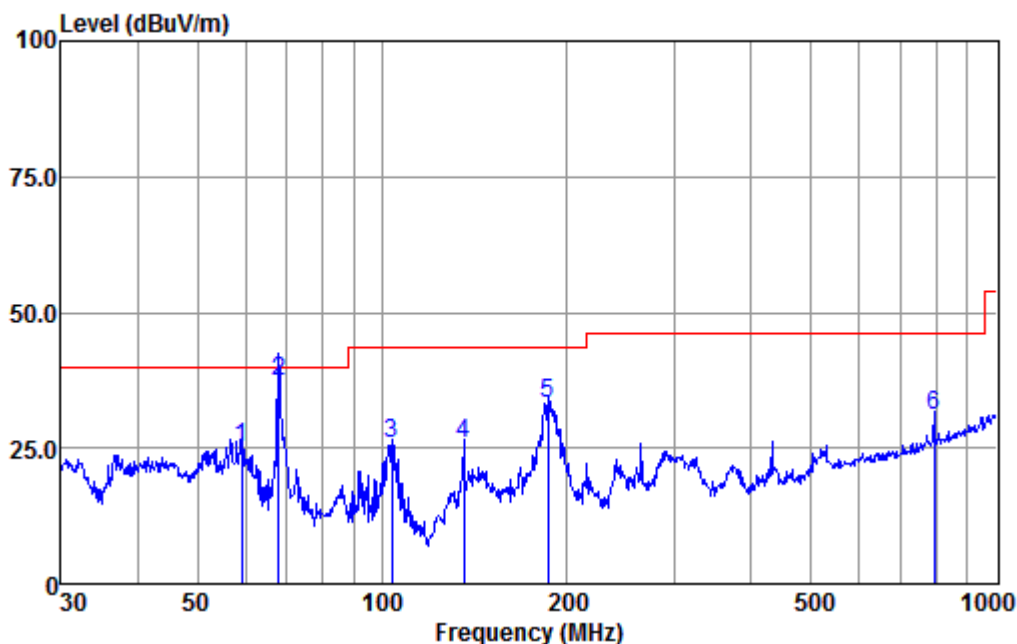
Mode:g; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test Mode : g

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|-----|--------|-------------|--------|--------------|--------|--------|--------|--------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 36.64 | 43.12 | 16.00 | 0.21 | 42.62 | 16.71 | 40.00 | -23.29 | QP |
| 2 | 59.03 | 52.41 | 12.41 | 0.30 | 42.65 | 22.47 | 40.00 | -17.53 | QP |
| 3 q | 67.91 | 63.91 | 11.65 | 0.33 | 42.66 | 33.23 | 40.00 | -6.77 | QP |
| 4 | 104.90 | 55.76 | 9.55 | 0.47 | 42.69 | 23.09 | 43.50 | -20.41 | QP |
| 5 | 187.10 | 58.53 | 10.73 | 0.67 | 42.55 | 27.38 | 43.50 | -16.12 | QP |
| 6 | 263.82 | 59.41 | 11.99 | 0.79 | 42.44 | 29.75 | 46.00 | -16.25 | QP |

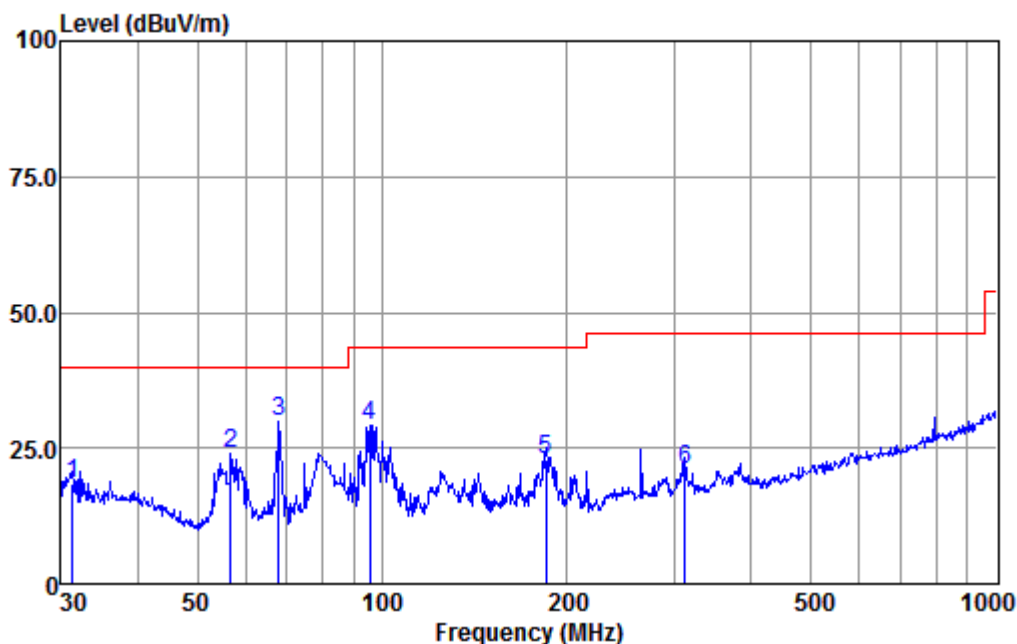
Mode:g; Polarization:Vertical



Condition : VERTICAL
EUT/Project: 8396IT
Test Mode : g

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|-----|--------|-------------|--------|--------------|--------|--------|--------|--------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 59.03 | 54.87 | 12.41 | 0.30 | 42.65 | 24.93 | 40.00 | -15.07 | QP |
| 2 q | 67.91 | 67.95 | 11.65 | 0.33 | 42.66 | 37.27 | 40.00 | -2.73 | QP |
| 3 | 103.81 | 58.35 | 9.54 | 0.47 | 42.69 | 25.67 | 43.50 | -17.83 | QP |
| 4 | 135.98 | 55.83 | 11.87 | 0.60 | 42.64 | 25.66 | 43.50 | -17.84 | QP |
| 5 | 186.44 | 64.30 | 10.83 | 0.67 | 42.55 | 33.25 | 43.50 | -10.25 | QP |
| 6 | 793.40 | 49.50 | 21.81 | 2.05 | 42.45 | 30.91 | 46.00 | -15.09 | QP |

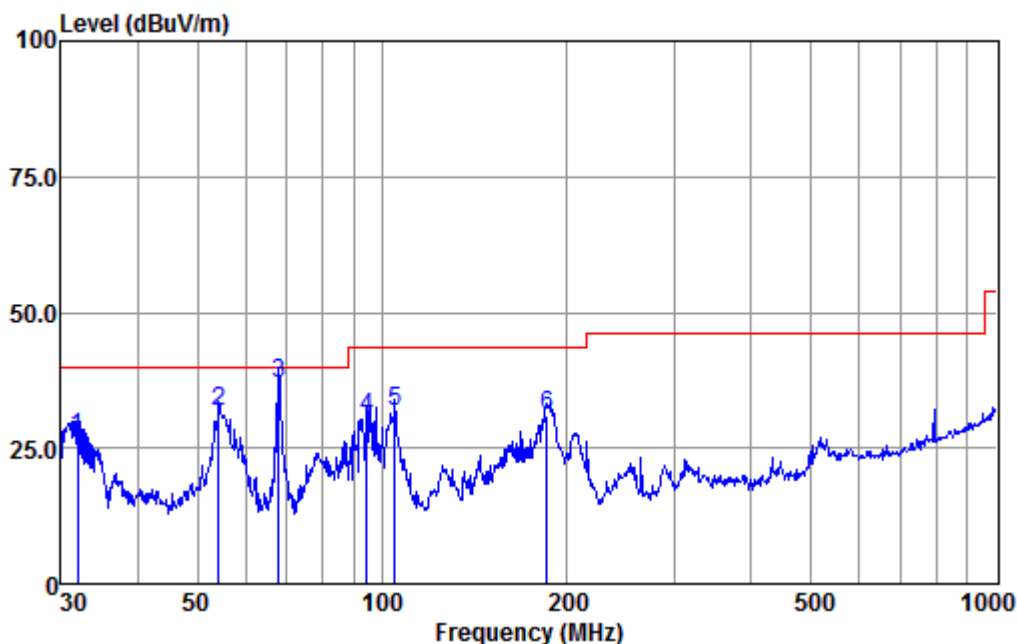
Mode:h; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test Mode : h

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|-----|--------|-------------|--------|--------------|--------|--------|--------|--------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 31.29 | 45.45 | 15.45 | 0.19 | 42.60 | 18.49 | 40.00 | -21.51 | QP |
| 2 | 56.79 | 54.46 | 11.98 | 0.29 | 42.65 | 24.08 | 40.00 | -15.92 | QP |
| 3 q | 67.91 | 60.43 | 11.65 | 0.33 | 42.66 | 29.75 | 40.00 | -10.25 | QP |
| 4 | 95.43 | 62.69 | 8.89 | 0.44 | 42.69 | 29.33 | 43.50 | -14.17 | QP |
| 5 | 185.14 | 53.82 | 11.05 | 0.67 | 42.55 | 22.99 | 43.50 | -20.51 | QP |
| 6 | 312.18 | 49.18 | 13.45 | 0.86 | 42.36 | 21.13 | 46.00 | -24.87 | QP |

Mode:h; Polarization:Vertical



Condition : VERTICAL
EUT/Project: 8396IT
Test Mode : h

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|-----|--------|-------------|--------|--------------|--------|--------|--------|--------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 31.95 | 53.94 | 15.52 | 0.19 | 42.61 | 27.04 | 40.00 | -12.96 | QP |
| 2 | 54.26 | 62.51 | 11.48 | 0.28 | 42.65 | 31.62 | 40.00 | -8.38 | QP |
| 3 q | 67.91 | 67.54 | 11.65 | 0.33 | 42.66 | 36.86 | 40.00 | -3.14 | QP |
| 4 | 94.43 | 64.32 | 8.75 | 0.43 | 42.69 | 30.81 | 43.50 | -12.69 | QP |
| 5 | 104.90 | 64.52 | 9.55 | 0.47 | 42.69 | 31.85 | 43.50 | -11.65 | QP |
| 6 | 185.79 | 62.07 | 10.94 | 0.67 | 42.55 | 31.13 | 43.50 | -12.37 | QP |

6.3 Radiated Emissions (above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B
Test Method: ANSI C63.4
Frequency Range: Above 1GHz
Measurement Distance: 3m
Limit:
Above 1GHz 74(dBμV/m) peak, 54(dBμV/m) average
Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to 18000MHz

6.3.1 E.U.T. Operation

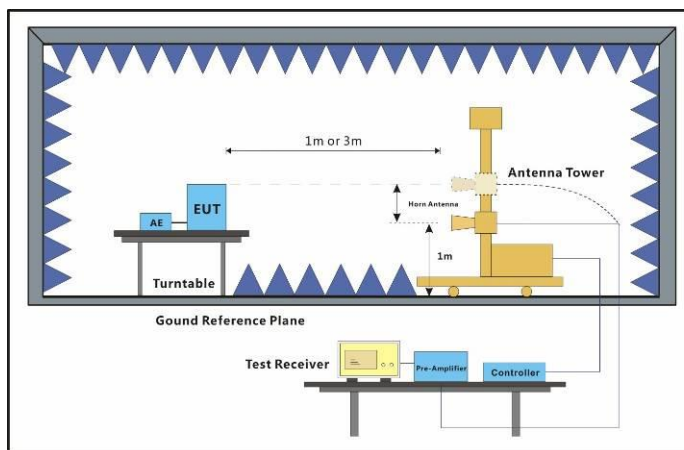
Operating Environment:

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test Mode:

- a: CVI previewing by DC12V support .
- b: AHD previewing by DC12V support .
- c: CVBS previewing by DC12V support .
- d: TVI previewing by DC12V support .
- e: CVI previewing by AC24V support .
- f: AHD previewing by AC24V support .
- g: CVBS previewing by AC24V support .
- h: TVI previewing by AC24V support .

6.3.2 Test Setup Diagram

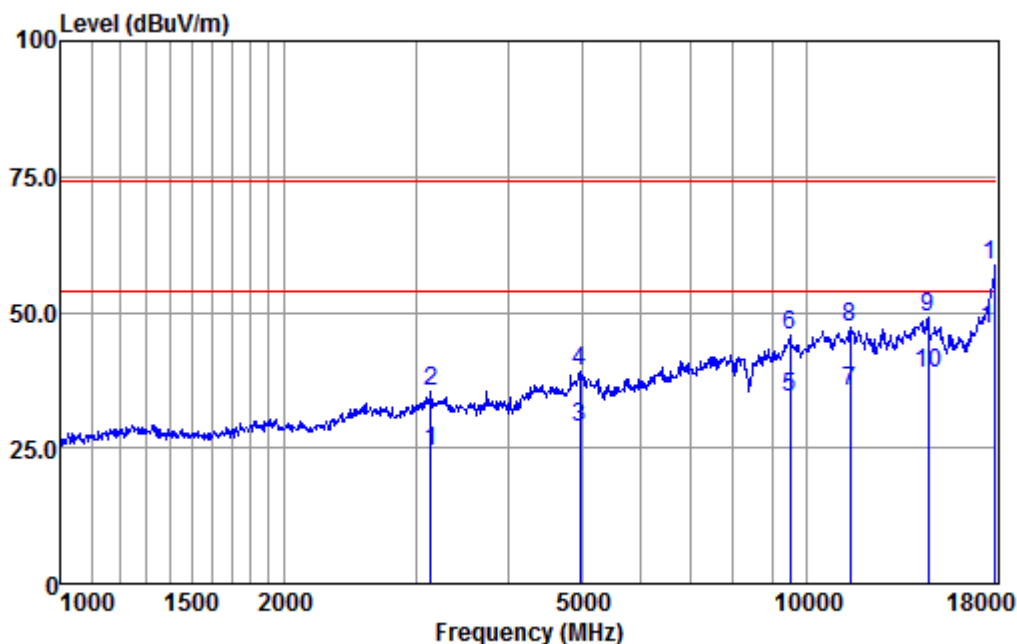


6.3.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

Notes: Emission Level=Read Level + Antenna Factor + Cable Loss – Preamplifier Factor

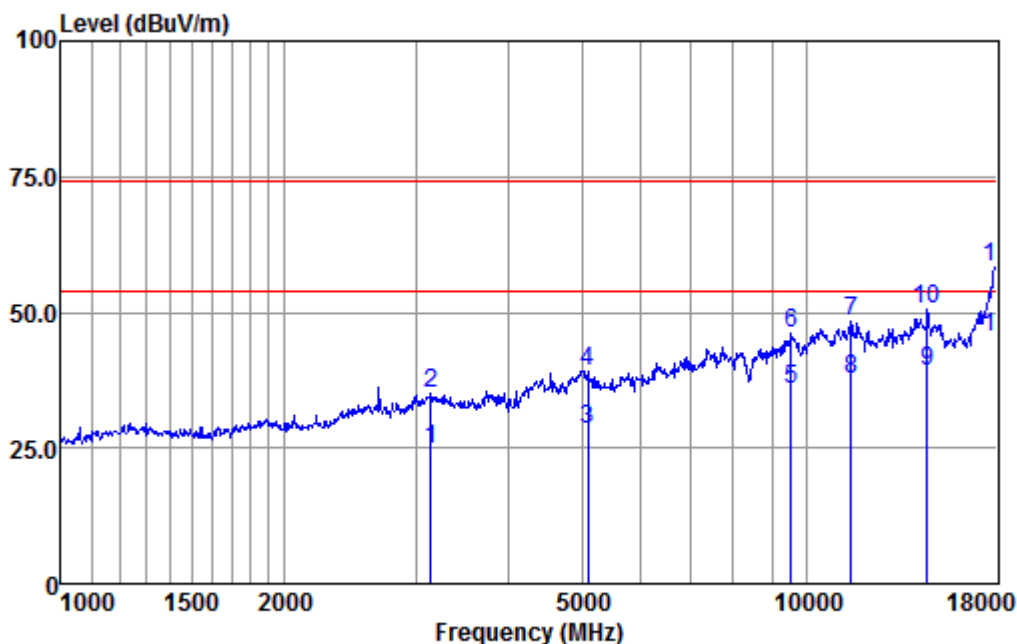
Mode:a; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test mode : a

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3141.15 | 31.56 | 28.59 | 5.92 | 41.76 | 24.31 | 54.00 | -29.69 | Average |
| 2 | 3141.15 | 42.67 | 28.59 | 5.92 | 41.76 | 35.42 | 74.00 | -38.58 | Peak |
| 3 | 4973.66 | 30.65 | 31.55 | 8.17 | 41.61 | 28.76 | 54.00 | -25.24 | Average |
| 4 | 4973.66 | 41.08 | 31.55 | 8.17 | 41.61 | 39.19 | 74.00 | -34.81 | Peak |
| 5 | 9530.43 | 28.59 | 38.52 | 9.62 | 42.32 | 34.41 | 54.00 | -19.59 | Average |
| 6 | 9530.43 | 39.97 | 38.52 | 9.62 | 42.32 | 45.79 | 74.00 | -28.21 | Peak |
| 7 | 11467.00 | 27.19 | 40.22 | 9.76 | 41.77 | 35.40 | 54.00 | -18.60 | Average |
| 8 | 11467.00 | 38.95 | 40.22 | 9.76 | 41.77 | 47.16 | 74.00 | -26.84 | Peak |
| 9 | 14618.17 | 38.48 | 41.75 | 10.24 | 41.35 | 49.12 | 74.00 | -24.88 | Peak |
| 10 | 14618.17 | 27.92 | 41.75 | 10.24 | 41.35 | 38.56 | 54.00 | -15.44 | Average |
| 11 p | 17948.05 | 37.38 | 50.11 | 12.83 | 41.80 | 58.52 | 74.00 | -15.48 | Peak |
| 12 | 17948.05 | 25.58 | 50.11 | 12.83 | 41.80 | 46.72 | 54.00 | -7.28 | Average |

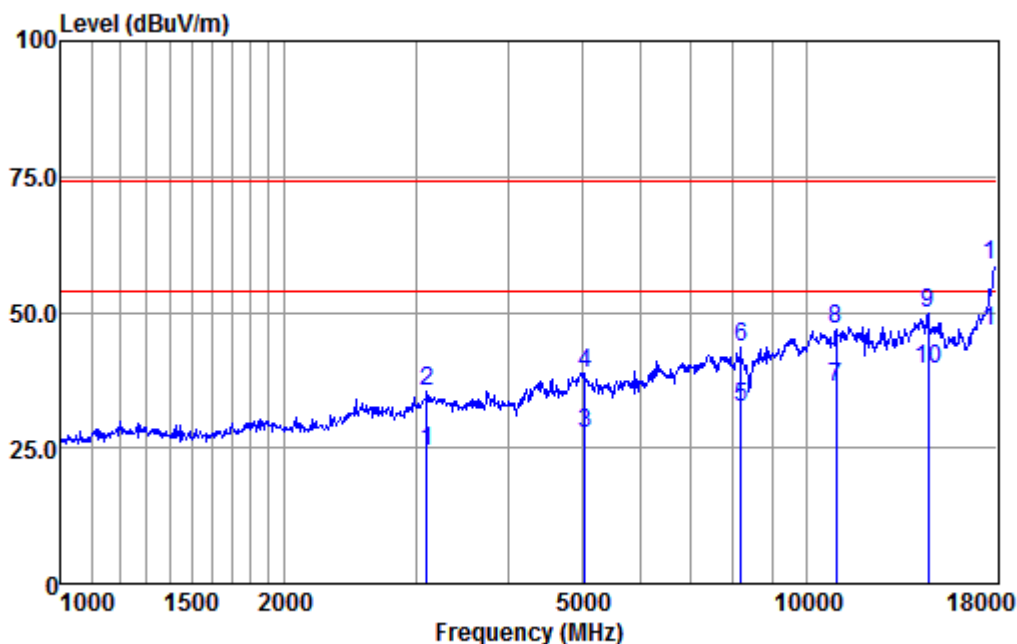
Mode:a; Polarization:Vertical



Condition : VERTICAL
EUT/Project: 8396IT
Test mode : a

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3141.15 | 31.90 | 28.59 | 5.92 | 41.76 | 24.65 | 54.00 | -29.35 | Average |
| 2 | 3141.15 | 42.27 | 28.59 | 5.92 | 41.76 | 35.02 | 74.00 | -38.98 | Peak |
| 3 | 5104.74 | 30.28 | 31.66 | 8.21 | 41.69 | 28.46 | 54.00 | -25.54 | Average |
| 4 | 5104.74 | 41.08 | 31.66 | 8.21 | 41.69 | 39.26 | 74.00 | -34.74 | Peak |
| 5 | 9558.02 | 29.97 | 38.54 | 9.62 | 42.31 | 35.82 | 54.00 | -18.18 | Average |
| 6 | 9558.02 | 40.29 | 38.54 | 9.62 | 42.31 | 46.14 | 74.00 | -27.86 | Peak |
| 7 | 11500.20 | 40.11 | 40.20 | 9.76 | 41.78 | 48.29 | 74.00 | -25.71 | Peak |
| 8 | 11500.20 | 29.43 | 40.20 | 9.76 | 41.78 | 37.61 | 54.00 | -16.39 | Average |
| 9 | 14575.97 | 28.32 | 41.80 | 10.26 | 41.35 | 39.03 | 54.00 | -14.97 | Average |
| 10 | 14575.97 | 39.71 | 41.80 | 10.26 | 41.35 | 50.42 | 74.00 | -23.58 | Peak |
| 11 | 18000.00 | 23.42 | 50.90 | 12.83 | 41.86 | 45.29 | 54.00 | -8.71 | Average |
| 12 p | 18000.00 | 36.56 | 50.90 | 12.83 | 41.86 | 58.43 | 74.00 | -15.57 | Peak |

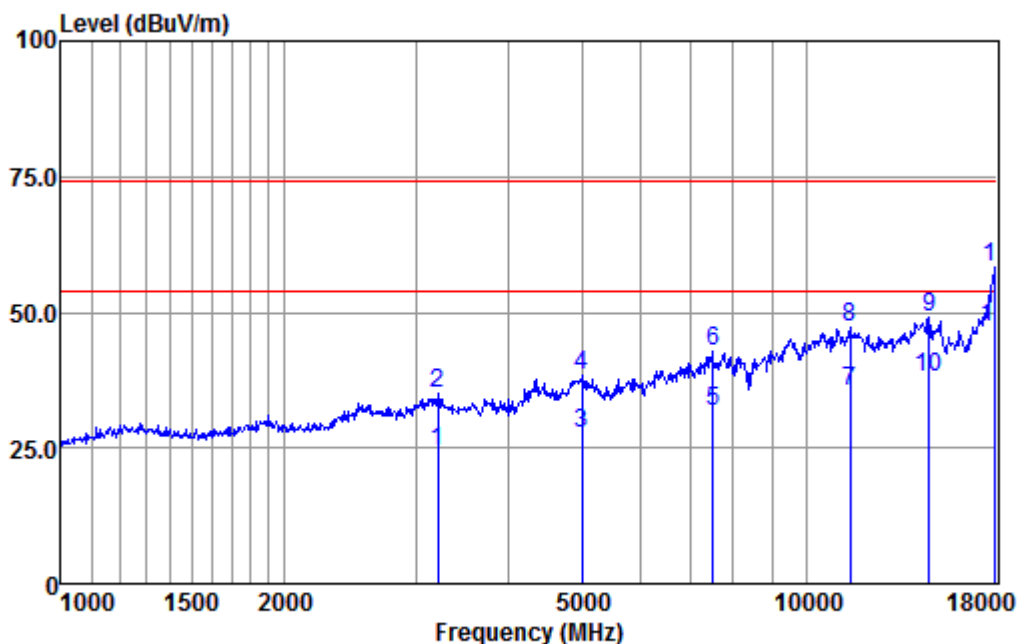
Mode:b; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test mode : b

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3096.08 | 31.79 | 28.56 | 5.89 | 41.74 | 24.50 | 54.00 | -29.50 | Average |
| 2 | 3096.08 | 42.68 | 28.56 | 5.89 | 41.74 | 35.39 | 74.00 | -38.61 | Peak |
| 3 | 5046.06 | 29.48 | 31.63 | 8.19 | 41.65 | 27.65 | 54.00 | -26.35 | Average |
| 4 | 5046.06 | 40.74 | 31.63 | 8.19 | 41.65 | 38.91 | 74.00 | -35.09 | Peak |
| 5 | 8176.80 | 28.55 | 37.05 | 9.01 | 42.25 | 32.36 | 54.00 | -21.64 | Average |
| 6 | 8176.80 | 39.73 | 37.05 | 9.01 | 42.25 | 43.54 | 74.00 | -30.46 | Peak |
| 7 | 10980.47 | 27.76 | 40.45 | 9.64 | 41.67 | 36.18 | 54.00 | -17.82 | Average |
| 8 | 10980.47 | 38.34 | 40.45 | 9.64 | 41.67 | 46.76 | 74.00 | -27.24 | Peak |
| 9 | 14618.17 | 39.04 | 41.75 | 10.24 | 41.35 | 49.68 | 74.00 | -24.32 | Peak |
| 10 | 14618.17 | 28.88 | 41.75 | 10.24 | 41.35 | 39.52 | 54.00 | -14.48 | Average |
| 11 | 18000.00 | 24.79 | 50.90 | 12.83 | 41.86 | 46.66 | 54.00 | -7.34 | Average |
| 12 p | 18000.00 | 36.63 | 50.90 | 12.83 | 41.86 | 58.50 | 74.00 | -15.50 | Peak |

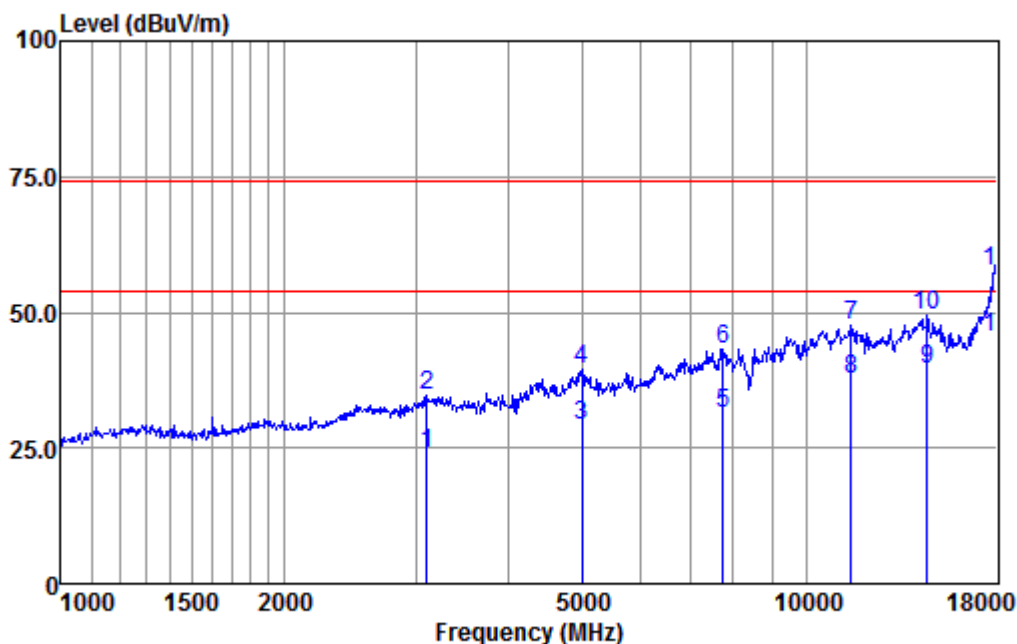
Mode:b; Polarization:Vertical



Condition : VERTICAL
EUT/Project: 8396IT
Test mode : b

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3205.35 | 31.46 | 28.63 | 5.96 | 41.78 | 24.27 | 54.00 | -29.73 | Average |
| 2 | 3205.35 | 42.33 | 28.63 | 5.96 | 41.78 | 35.14 | 74.00 | -38.86 | Peak |
| 3 | 5002.50 | 29.57 | 31.60 | 8.19 | 41.61 | 27.75 | 54.00 | -26.25 | Average |
| 4 | 5002.50 | 40.15 | 31.60 | 8.19 | 41.61 | 38.33 | 74.00 | -35.67 | Peak |
| 5 | 7497.65 | 28.57 | 36.70 | 8.79 | 42.48 | 31.58 | 54.00 | -22.42 | Average |
| 6 | 7497.65 | 39.91 | 36.70 | 8.79 | 42.48 | 42.92 | 74.00 | -31.08 | Peak |
| 7 | 11467.00 | 27.36 | 40.22 | 9.76 | 41.77 | 35.57 | 54.00 | -18.43 | Average |
| 8 | 11467.00 | 38.93 | 40.22 | 9.76 | 41.77 | 47.14 | 74.00 | -26.86 | Peak |
| 9 | 14660.48 | 38.56 | 41.70 | 10.24 | 41.35 | 49.15 | 74.00 | -24.85 | Peak |
| 10 | 14660.48 | 27.46 | 41.70 | 10.24 | 41.35 | 38.05 | 54.00 | -15.95 | Average |
| 11 p | 17948.05 | 37.01 | 50.11 | 12.83 | 41.80 | 58.15 | 74.00 | -15.85 | Peak |
| 12 | 17948.05 | 25.97 | 50.11 | 12.83 | 41.80 | 47.11 | 54.00 | -6.89 | Average |

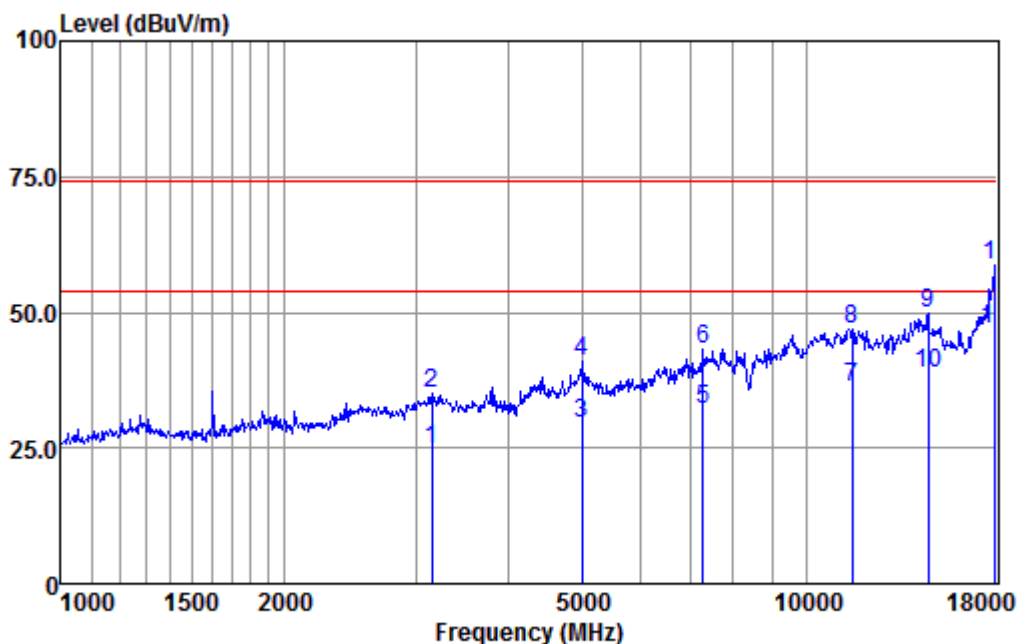
Mode:c; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test mode : c

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3096.08 | 31.22 | 28.56 | 5.89 | 41.74 | 23.93 | 54.00 | -30.07 | Average |
| 2 | 3096.08 | 42.16 | 28.56 | 5.89 | 41.74 | 34.87 | 74.00 | -39.13 | Peak |
| 3 | 5002.50 | 30.96 | 31.60 | 8.19 | 41.61 | 29.14 | 54.00 | -24.86 | Average |
| 4 | 5002.50 | 41.41 | 31.60 | 8.19 | 41.61 | 39.59 | 74.00 | -34.41 | Peak |
| 5 | 7739.86 | 28.13 | 36.95 | 8.84 | 42.43 | 31.49 | 54.00 | -22.51 | Average |
| 6 | 7739.86 | 39.77 | 36.95 | 8.84 | 42.43 | 43.13 | 74.00 | -30.87 | Peak |
| 7 | 11500.20 | 39.25 | 40.20 | 9.76 | 41.78 | 47.43 | 74.00 | -26.57 | Peak |
| 8 | 11500.20 | 29.54 | 40.20 | 9.76 | 41.78 | 37.72 | 54.00 | -16.28 | Average |
| 9 | 14575.97 | 28.61 | 41.80 | 10.26 | 41.35 | 39.32 | 54.00 | -14.68 | Average |
| 10 | 14575.97 | 38.83 | 41.80 | 10.26 | 41.35 | 49.54 | 74.00 | -24.46 | Peak |
| 11 | 18000.00 | 23.47 | 50.90 | 12.83 | 41.86 | 45.34 | 54.00 | -8.66 | Average |
| 12 p | 18000.00 | 35.51 | 50.90 | 12.83 | 41.86 | 57.38 | 74.00 | -16.62 | Peak |

Mode:c; Polarization:Vertical



Condition : VERTICAL
EUT/Project: 8396IT
Test mode : c

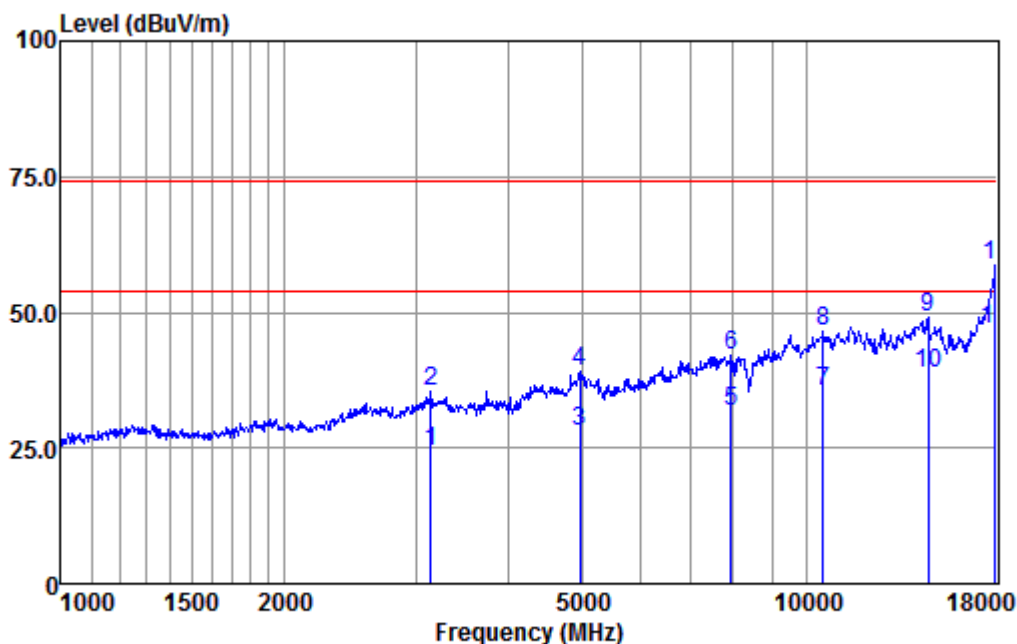
| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3150.24 | 31.99 | 28.60 | 5.92 | 41.76 | 24.75 | 54.00 | -29.25 | Average |
| 2 | 3150.24 | 42.18 | 28.60 | 5.92 | 41.76 | 34.94 | 74.00 | -39.06 | Peak |
| 3 | 5002.50 | 31.33 | 31.60 | 8.19 | 41.61 | 29.51 | 54.00 | -24.49 | Average |
| 4 | 5002.50 | 42.85 | 31.60 | 8.19 | 41.61 | 41.03 | 74.00 | -32.97 | Peak |
| 5 | 7284.04 | 29.44 | 36.16 | 8.74 | 42.38 | 31.96 | 54.00 | -22.04 | Average |
| 6 | 7284.04 | 40.77 | 36.16 | 8.74 | 42.38 | 43.29 | 74.00 | -30.71 | Peak |
| 7 | 11533.48 | 27.96 | 40.13 | 9.76 | 41.79 | 36.06 | 54.00 | -17.94 | Average |
| 8 | 11533.48 | 38.80 | 40.13 | 9.76 | 41.79 | 46.90 | 74.00 | -27.10 | Peak |
| 9 | 14618.17 | 39.18 | 41.75 | 10.24 | 41.35 | 49.82 | 74.00 | -24.18 | Peak |
| 10 | 14618.17 | 28.16 | 41.75 | 10.24 | 41.35 | 38.80 | 54.00 | -15.20 | Average |
| 11 p | 17948.05 | 37.64 | 50.11 | 12.83 | 41.80 | 58.78 | 74.00 | -15.22 | Peak |
| 12 | 17948.05 | 25.83 | 50.11 | 12.83 | 41.80 | 46.97 | 54.00 | -7.03 | Average |



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHEM180200097701
Page: 50 of 68

Mode:d; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test mode : d

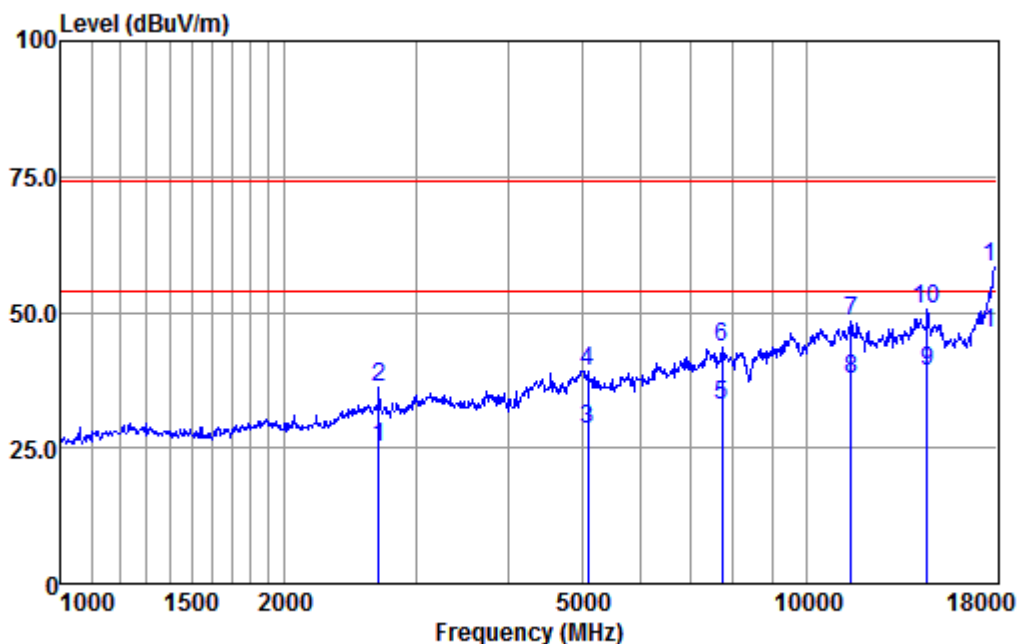
| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3141.15 | 31.56 | 28.59 | 5.92 | 41.76 | 24.31 | 54.00 | -29.69 | Average |
| 2 | 3141.15 | 42.67 | 28.59 | 5.92 | 41.76 | 35.42 | 74.00 | -38.58 | Peak |
| 3 | 4973.66 | 29.97 | 31.55 | 8.17 | 41.61 | 28.08 | 54.00 | -25.92 | Average |
| 4 | 4973.66 | 41.08 | 31.55 | 8.17 | 41.61 | 39.19 | 74.00 | -34.81 | Peak |
| 5 | 7943.84 | 28.25 | 37.15 | 8.90 | 42.39 | 31.91 | 54.00 | -22.09 | Average |
| 6 | 7943.84 | 38.41 | 37.15 | 8.90 | 42.39 | 42.07 | 74.00 | -31.93 | Peak |
| 7 | 10545.01 | 28.16 | 39.77 | 9.63 | 42.10 | 35.46 | 54.00 | -18.54 | Average |
| 8 | 10545.01 | 39.28 | 39.77 | 9.63 | 42.10 | 46.58 | 74.00 | -27.42 | Peak |
| 9 | 14618.17 | 38.48 | 41.75 | 10.24 | 41.35 | 49.12 | 74.00 | -24.88 | Peak |
| 10 | 14618.17 | 27.92 | 41.75 | 10.24 | 41.35 | 38.56 | 54.00 | -15.44 | Average |
| 11 p | 17948.05 | 37.38 | 50.11 | 12.83 | 41.80 | 58.52 | 74.00 | -15.48 | Peak |
| 12 | 17948.05 | 25.58 | 50.11 | 12.83 | 41.80 | 46.72 | 54.00 | -7.28 | Average |



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHEM180200097701
Page: 51 of 68

Mode:d; Polarization:Vertical



Condition : VERTICAL
EUT/Project: 8396IT
Test mode : d

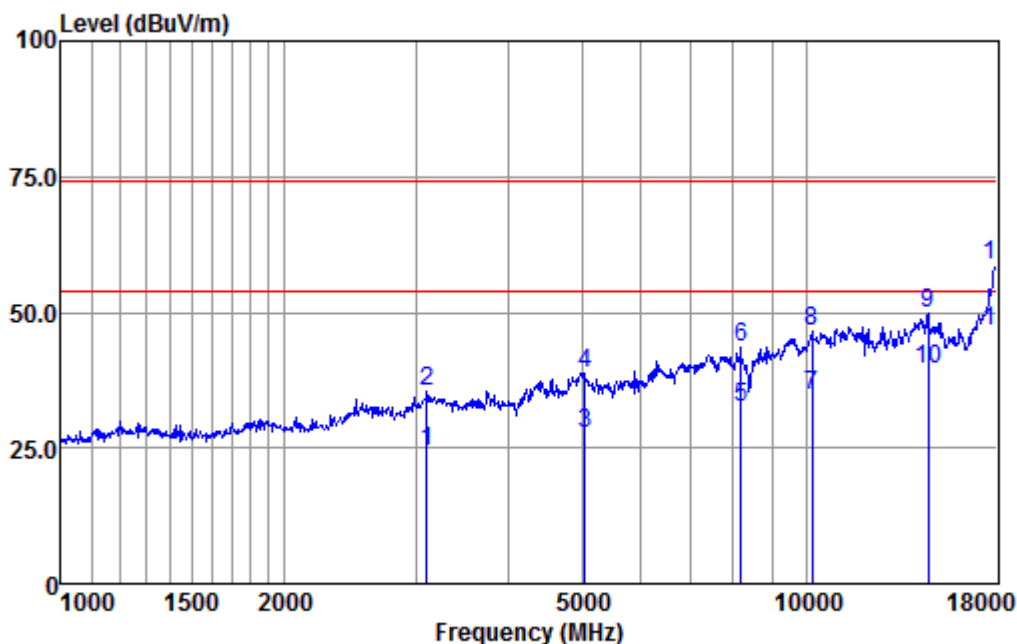
| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2671.73 | 33.57 | 27.80 | 5.57 | 42.00 | 24.94 | 54.00 | -29.06 | Average |
| 2 | 2671.73 | 44.65 | 27.80 | 5.57 | 42.00 | 36.02 | 74.00 | -37.98 | Peak |
| 3 | 5104.74 | 30.28 | 31.66 | 8.21 | 41.69 | 28.46 | 54.00 | -25.54 | Average |
| 4 | 5104.74 | 41.08 | 31.66 | 8.21 | 41.69 | 39.26 | 74.00 | -34.74 | Peak |
| 5 | 7717.52 | 29.67 | 36.93 | 8.84 | 42.43 | 33.01 | 54.00 | -20.99 | Average |
| 6 | 7717.52 | 40.09 | 36.93 | 8.84 | 42.43 | 43.43 | 74.00 | -30.57 | Peak |
| 7 | 11500.20 | 40.11 | 40.20 | 9.76 | 41.78 | 48.29 | 74.00 | -25.71 | Peak |
| 8 | 11500.20 | 29.43 | 40.20 | 9.76 | 41.78 | 37.61 | 54.00 | -16.39 | Average |
| 9 | 14575.97 | 28.32 | 41.80 | 10.26 | 41.35 | 39.03 | 54.00 | -14.97 | Average |
| 10 | 14575.97 | 39.71 | 41.80 | 10.26 | 41.35 | 50.42 | 74.00 | -23.58 | Peak |
| 11 | 18000.00 | 24.42 | 50.90 | 12.83 | 41.86 | 46.29 | 54.00 | -7.71 | Average |
| 12 p | 18000.00 | 36.56 | 50.90 | 12.83 | 41.86 | 58.43 | 74.00 | -15.57 | Peak |



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHEM180200097701
Page: 52 of 68

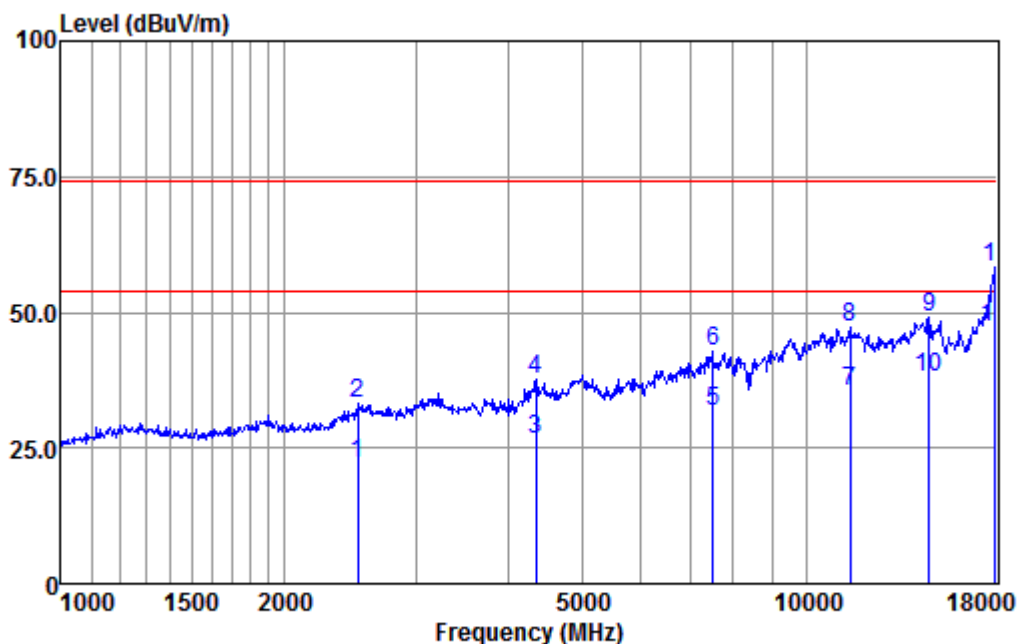
Mode:e; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test mode : e

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3096.08 | 31.79 | 28.56 | 5.89 | 41.74 | 24.50 | 54.00 | -29.50 | Average |
| 2 | 3096.08 | 42.68 | 28.56 | 5.89 | 41.74 | 35.39 | 74.00 | -38.61 | Peak |
| 3 | 5046.06 | 29.48 | 31.63 | 8.19 | 41.65 | 27.65 | 54.00 | -26.35 | Average |
| 4 | 5046.06 | 40.74 | 31.63 | 8.19 | 41.65 | 38.91 | 74.00 | -35.09 | Peak |
| 5 | 8176.80 | 28.55 | 37.05 | 9.01 | 42.25 | 32.36 | 54.00 | -21.64 | Average |
| 6 | 8176.80 | 39.73 | 37.05 | 9.01 | 42.25 | 43.54 | 74.00 | -30.46 | Peak |
| 7 | 10185.53 | 28.18 | 39.19 | 9.63 | 42.18 | 34.82 | 54.00 | -19.18 | Average |
| 8 | 10185.53 | 39.84 | 39.19 | 9.63 | 42.18 | 46.48 | 74.00 | -27.52 | Peak |
| 9 | 14618.17 | 39.04 | 41.75 | 10.24 | 41.35 | 49.68 | 74.00 | -24.32 | Peak |
| 10 | 14618.17 | 28.88 | 41.75 | 10.24 | 41.35 | 39.52 | 54.00 | -14.48 | Average |
| 11 | 18000.00 | 24.79 | 50.90 | 12.83 | 41.86 | 46.66 | 54.00 | -7.34 | Average |
| 12 p | 18000.00 | 36.63 | 50.90 | 12.83 | 41.86 | 58.50 | 74.00 | -15.50 | Peak |

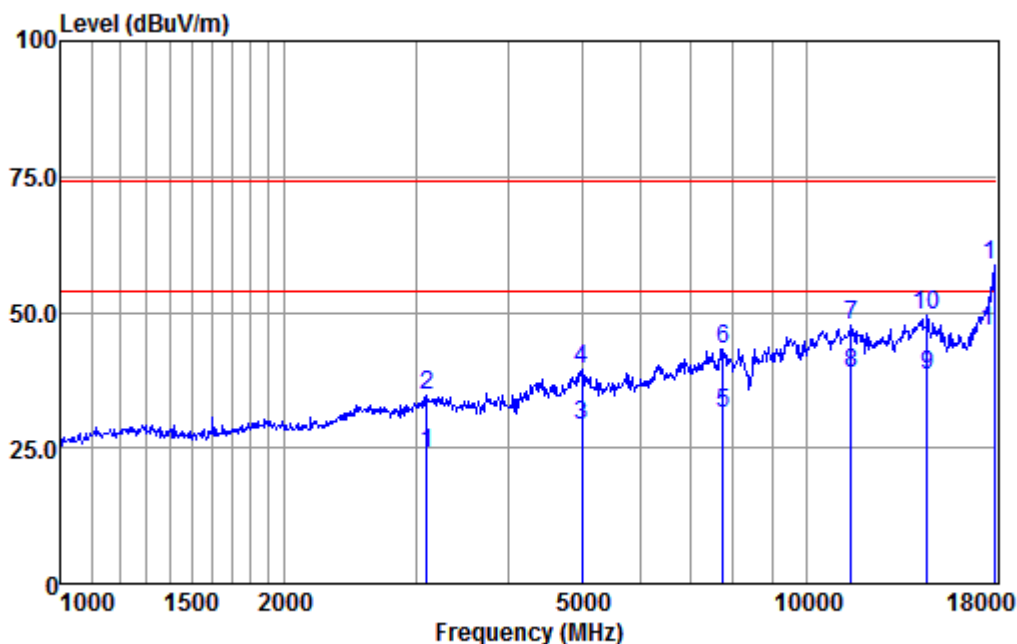
Mode:e; Polarization:Vertical



Condition : VERTICAL
EUT/Project: 8396IT
Test mode : e

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2507.13 | 31.64 | 27.42 | 5.32 | 42.16 | 22.22 | 54.00 | -31.78 | Average |
| 2 | 2507.13 | 42.46 | 27.42 | 5.32 | 42.16 | 33.04 | 74.00 | -40.96 | Peak |
| 3 | 4341.89 | 30.47 | 30.33 | 7.55 | 41.75 | 26.60 | 54.00 | -27.40 | Average |
| 4 | 4341.89 | 41.35 | 30.33 | 7.55 | 41.75 | 37.48 | 74.00 | -36.52 | Peak |
| 5 | 7497.65 | 28.57 | 36.70 | 8.79 | 42.48 | 31.58 | 54.00 | -22.42 | Average |
| 6 | 7497.65 | 39.91 | 36.70 | 8.79 | 42.48 | 42.92 | 74.00 | -31.08 | Peak |
| 7 | 11467.00 | 27.36 | 40.22 | 9.76 | 41.77 | 35.57 | 54.00 | -18.43 | Average |
| 8 | 11467.00 | 38.93 | 40.22 | 9.76 | 41.77 | 47.14 | 74.00 | -26.86 | Peak |
| 9 | 14660.48 | 38.56 | 41.70 | 10.24 | 41.35 | 49.15 | 74.00 | -24.85 | Peak |
| 10 | 14660.48 | 27.46 | 41.70 | 10.24 | 41.35 | 38.05 | 54.00 | -15.95 | Average |
| 11 p | 17948.05 | 37.01 | 50.11 | 12.83 | 41.80 | 58.15 | 74.00 | -15.85 | Peak |
| 12 | 17948.05 | 25.97 | 50.11 | 12.83 | 41.80 | 47.11 | 54.00 | -6.89 | Average |

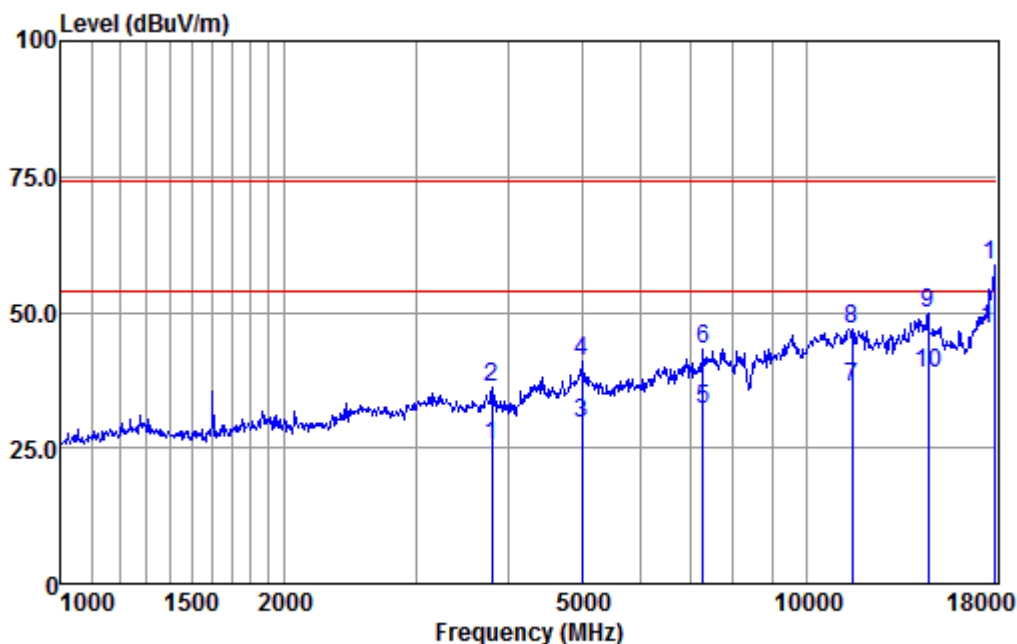
Mode:f; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test mode : f

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3096.08 | 31.22 | 28.56 | 5.89 | 41.74 | 23.93 | 54.00 | -30.07 | Average |
| 2 | 3096.08 | 42.16 | 28.56 | 5.89 | 41.74 | 34.87 | 74.00 | -39.13 | Peak |
| 3 | 5002.50 | 30.96 | 31.60 | 8.19 | 41.61 | 29.14 | 54.00 | -24.86 | Average |
| 4 | 5002.50 | 41.41 | 31.60 | 8.19 | 41.61 | 39.59 | 74.00 | -34.41 | Peak |
| 5 | 7739.86 | 28.13 | 36.95 | 8.84 | 42.43 | 31.49 | 54.00 | -22.51 | Average |
| 6 | 7739.86 | 39.77 | 36.95 | 8.84 | 42.43 | 43.13 | 74.00 | -30.87 | Peak |
| 7 | 11500.20 | 39.25 | 40.20 | 9.76 | 41.78 | 47.43 | 74.00 | -26.57 | Peak |
| 8 | 11500.20 | 30.54 | 40.20 | 9.76 | 41.78 | 38.72 | 54.00 | -15.28 | Average |
| 9 | 14575.97 | 27.61 | 41.80 | 10.26 | 41.35 | 38.32 | 54.00 | -15.68 | Average |
| 10 | 14575.97 | 38.83 | 41.80 | 10.26 | 41.35 | 49.54 | 74.00 | -24.46 | Peak |
| 11 p | 17948.05 | 37.69 | 50.11 | 12.83 | 41.80 | 58.83 | 74.00 | -15.17 | Peak |
| 12 | 17948.05 | 25.47 | 50.11 | 12.83 | 41.80 | 46.61 | 54.00 | -7.39 | Average |

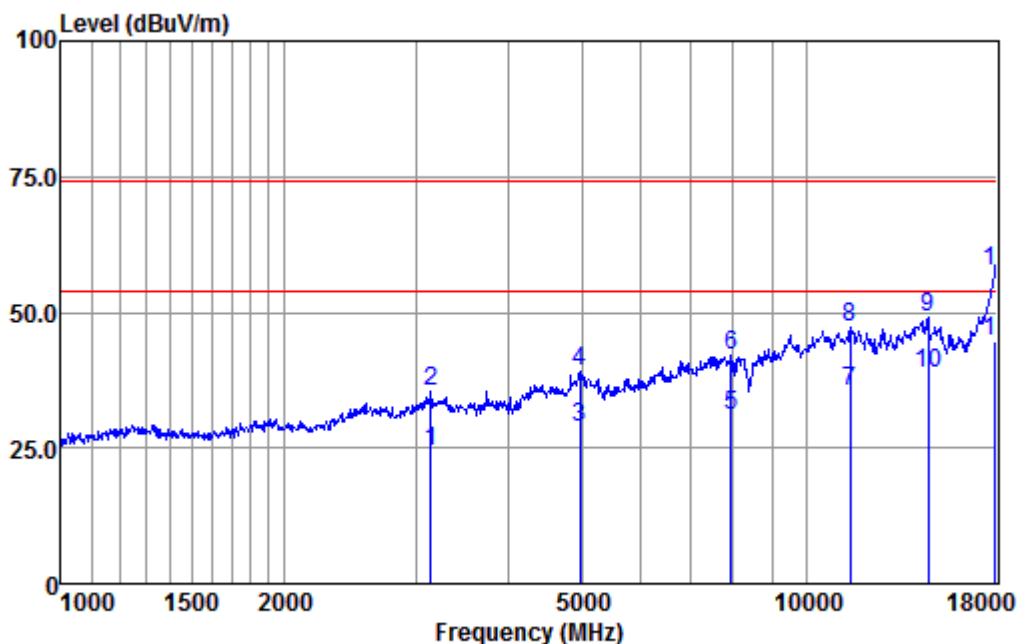
Mode:f; Polarization:Vertical



Condition : VERTICAL
EUT/Project: 8396IT
Test mode : f

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3790.36 | 31.28 | 29.34 | 6.70 | 41.92 | 25.40 | 54.00 | -28.60 | Average |
| 2 | 3790.36 | 42.01 | 29.34 | 6.70 | 41.92 | 36.13 | 74.00 | -37.87 | Peak |
| 3 | 5002.50 | 31.33 | 31.60 | 8.19 | 41.61 | 29.51 | 54.00 | -24.49 | Average |
| 4 | 5002.50 | 42.85 | 31.60 | 8.19 | 41.61 | 41.03 | 74.00 | -32.97 | Peak |
| 5 | 7284.04 | 29.44 | 36.16 | 8.74 | 42.38 | 31.96 | 54.00 | -22.04 | Average |
| 6 | 7284.04 | 40.77 | 36.16 | 8.74 | 42.38 | 43.29 | 74.00 | -30.71 | Peak |
| 7 | 11533.48 | 27.96 | 40.13 | 9.76 | 41.79 | 36.06 | 54.00 | -17.94 | Average |
| 8 | 11533.48 | 38.80 | 40.13 | 9.76 | 41.79 | 46.90 | 74.00 | -27.10 | Peak |
| 9 | 14618.17 | 39.18 | 41.75 | 10.24 | 41.35 | 49.82 | 74.00 | -24.18 | Peak |
| 10 | 14618.17 | 28.16 | 41.75 | 10.24 | 41.35 | 38.80 | 54.00 | -15.20 | Average |
| 11 p | 17948.05 | 37.64 | 50.11 | 12.83 | 41.80 | 58.78 | 74.00 | -15.22 | Peak |
| 12 | 17948.05 | 25.83 | 50.11 | 12.83 | 41.80 | 46.97 | 54.00 | -7.03 | Average |

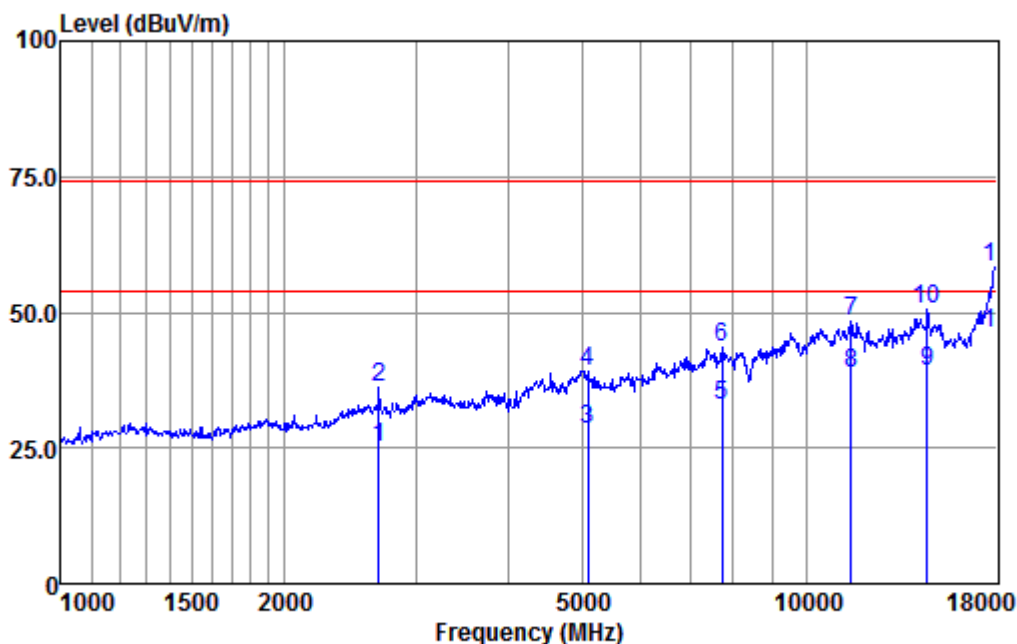
Mode:g; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test mode : g

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3141.15 | 31.56 | 28.59 | 5.92 | 41.76 | 24.31 | 54.00 | -29.69 | Average |
| 2 | 3141.15 | 42.67 | 28.59 | 5.92 | 41.76 | 35.42 | 74.00 | -38.58 | Peak |
| 3 | 4973.66 | 30.65 | 31.55 | 8.17 | 41.61 | 28.76 | 54.00 | -25.24 | Average |
| 4 | 4973.66 | 41.08 | 31.55 | 8.17 | 41.61 | 39.19 | 74.00 | -34.81 | Peak |
| 5 | 7943.84 | 27.25 | 37.15 | 8.90 | 42.39 | 30.91 | 54.00 | -23.09 | Average |
| 6 | 7943.84 | 38.41 | 37.15 | 8.90 | 42.39 | 42.07 | 74.00 | -31.93 | Peak |
| 7 | 11467.00 | 27.19 | 40.22 | 9.76 | 41.77 | 35.40 | 54.00 | -18.60 | Average |
| 8 | 11467.00 | 38.95 | 40.22 | 9.76 | 41.77 | 47.16 | 74.00 | -26.84 | Peak |
| 9 | 14618.17 | 38.48 | 41.75 | 10.24 | 41.35 | 49.12 | 74.00 | -24.88 | Peak |
| 10 | 14618.17 | 27.92 | 41.75 | 10.24 | 41.35 | 38.56 | 54.00 | -15.44 | Average |
| 11 | 17948.05 | 23.58 | 50.11 | 12.83 | 41.80 | 44.72 | 54.00 | -9.28 | Average |
| 12 p | 18000.00 | 35.71 | 50.90 | 12.83 | 41.86 | 57.58 | 74.00 | -16.42 | Peak |

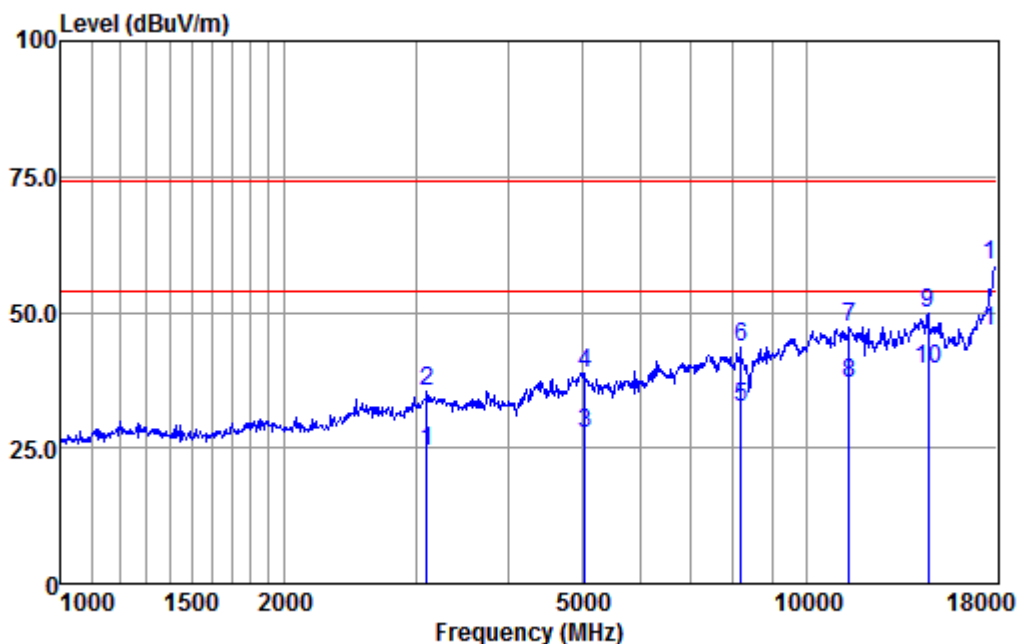
Mode:g; Polarization:Vertical



Condition : VERTICAL
EUT/Project: 8396IT
Test mode : g

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2671.73 | 33.57 | 27.80 | 5.57 | 42.00 | 24.94 | 54.00 | -29.06 | Average |
| 2 | 2671.73 | 44.65 | 27.80 | 5.57 | 42.00 | 36.02 | 74.00 | -37.98 | Peak |
| 3 | 5104.74 | 30.28 | 31.66 | 8.21 | 41.69 | 28.46 | 54.00 | -25.54 | Average |
| 4 | 5104.74 | 41.08 | 31.66 | 8.21 | 41.69 | 39.26 | 74.00 | -34.74 | Peak |
| 5 | 7717.52 | 29.67 | 36.93 | 8.84 | 42.43 | 33.01 | 54.00 | -20.99 | Average |
| 6 | 7717.52 | 40.09 | 36.93 | 8.84 | 42.43 | 43.43 | 74.00 | -30.57 | Peak |
| 7 | 11500.20 | 40.11 | 40.20 | 9.76 | 41.78 | 48.29 | 74.00 | -25.71 | Peak |
| 8 | 11500.20 | 30.43 | 40.20 | 9.76 | 41.78 | 38.61 | 54.00 | -15.39 | Average |
| 9 | 14575.97 | 28.32 | 41.80 | 10.26 | 41.35 | 39.03 | 54.00 | -14.97 | Average |
| 10 | 14575.97 | 39.71 | 41.80 | 10.26 | 41.35 | 50.42 | 74.00 | -23.58 | Peak |
| 11 | 18000.00 | 24.42 | 50.90 | 12.83 | 41.86 | 46.29 | 54.00 | -7.71 | Average |
| 12 p | 18000.00 | 36.56 | 50.90 | 12.83 | 41.86 | 58.43 | 74.00 | -15.57 | Peak |

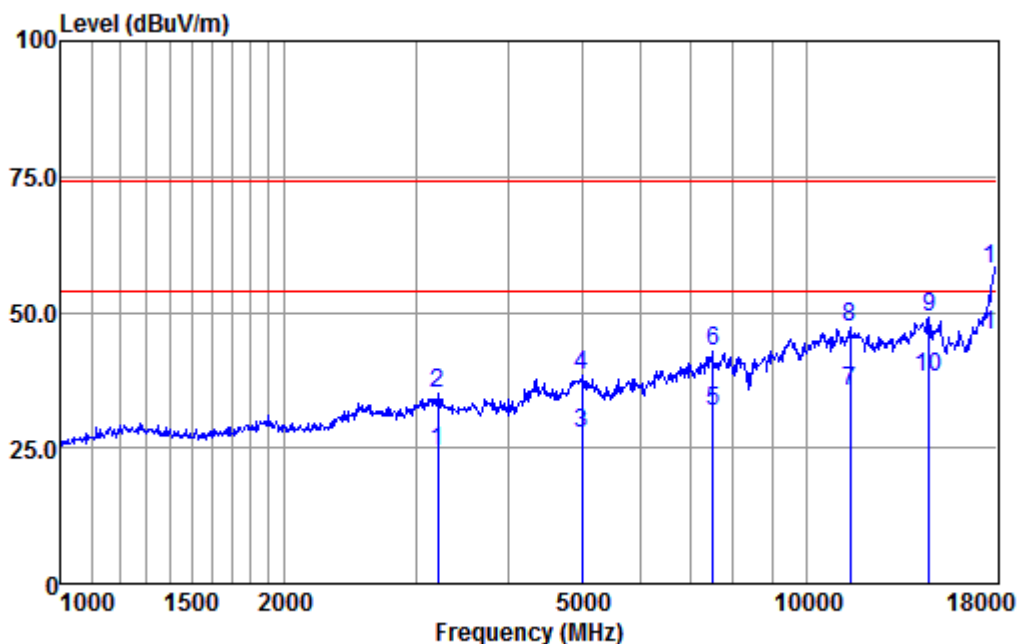
Mode:h; Polarization:Horizontal



Condition : HORIZONTAL
EUT/Project: 8396IT
Test mode : h

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3096.08 | 31.79 | 28.56 | 5.89 | 41.74 | 24.50 | 54.00 | -29.50 | Average |
| 2 | 3096.08 | 42.68 | 28.56 | 5.89 | 41.74 | 35.39 | 74.00 | -38.61 | Peak |
| 3 | 5046.06 | 29.48 | 31.63 | 8.19 | 41.65 | 27.65 | 54.00 | -26.35 | Average |
| 4 | 5046.06 | 40.74 | 31.63 | 8.19 | 41.65 | 38.91 | 74.00 | -35.09 | Peak |
| 5 | 8176.80 | 28.55 | 37.05 | 9.01 | 42.25 | 32.36 | 54.00 | -21.64 | Average |
| 6 | 8176.80 | 39.73 | 37.05 | 9.01 | 42.25 | 43.54 | 74.00 | -30.46 | Peak |
| 7 | 11433.91 | 39.08 | 40.24 | 9.76 | 41.76 | 47.32 | 74.00 | -26.68 | Peak |
| 8 | 11433.91 | 28.73 | 40.24 | 9.76 | 41.76 | 36.97 | 54.00 | -17.03 | Average |
| 9 | 14618.17 | 39.04 | 41.75 | 10.24 | 41.35 | 49.68 | 74.00 | -24.32 | Peak |
| 10 | 14618.17 | 28.88 | 41.75 | 10.24 | 41.35 | 39.52 | 54.00 | -14.48 | Average |
| 11 | 18000.00 | 24.79 | 50.90 | 12.83 | 41.86 | 46.66 | 54.00 | -7.34 | Average |
| 12 p | 18000.00 | 36.63 | 50.90 | 12.83 | 41.86 | 58.50 | 74.00 | -15.50 | Peak |

Mode:h; Polarization:Vertical

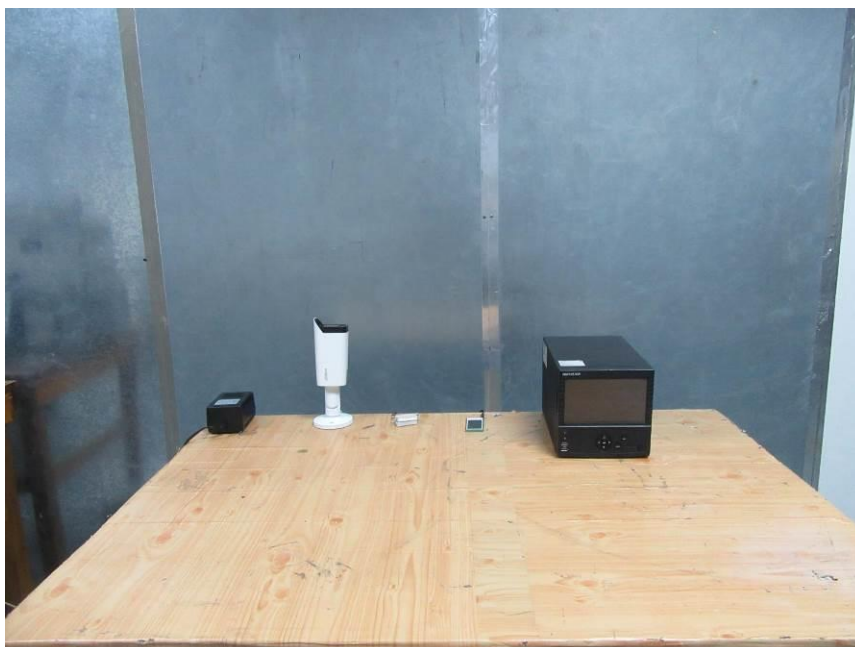


Condition : VERTICAL
EUT/Project: 8396IT
Test mode : h

| | | ReadAntenna | | Cable Preamp | | | Limit | Over | |
|------|----------|-------------|--------|--------------|--------|--------|--------|--------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3205.35 | 31.46 | 28.63 | 5.96 | 41.78 | 24.27 | 54.00 | -29.73 | Average |
| 2 | 3205.35 | 42.33 | 28.63 | 5.96 | 41.78 | 35.14 | 74.00 | -38.86 | Peak |
| 3 | 5002.50 | 29.57 | 31.60 | 8.19 | 41.61 | 27.75 | 54.00 | -26.25 | Average |
| 4 | 5002.50 | 40.15 | 31.60 | 8.19 | 41.61 | 38.33 | 74.00 | -35.67 | Peak |
| 5 | 7497.65 | 28.57 | 36.70 | 8.79 | 42.48 | 31.58 | 54.00 | -22.42 | Average |
| 6 | 7497.65 | 39.91 | 36.70 | 8.79 | 42.48 | 42.92 | 74.00 | -31.08 | Peak |
| 7 | 11467.00 | 27.36 | 40.22 | 9.76 | 41.77 | 35.57 | 54.00 | -18.43 | Average |
| 8 | 11467.00 | 38.93 | 40.22 | 9.76 | 41.77 | 47.14 | 74.00 | -26.86 | Peak |
| 9 | 14660.48 | 38.56 | 41.70 | 10.24 | 41.35 | 49.15 | 74.00 | -24.85 | Peak |
| 10 | 14660.48 | 27.46 | 41.70 | 10.24 | 41.35 | 38.05 | 54.00 | -15.95 | Average |
| 11 | 18000.00 | 23.97 | 50.90 | 12.83 | 41.86 | 45.84 | 54.00 | -8.16 | Average |
| 12 p | 18000.00 | 35.89 | 50.90 | 12.83 | 41.86 | 57.76 | 74.00 | -16.24 | Peak |

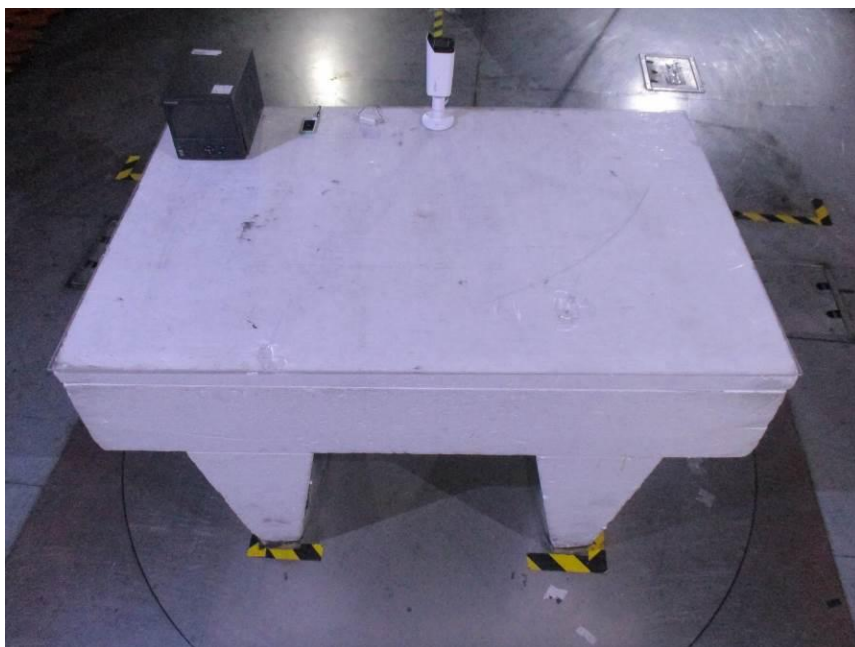
7 Photographs

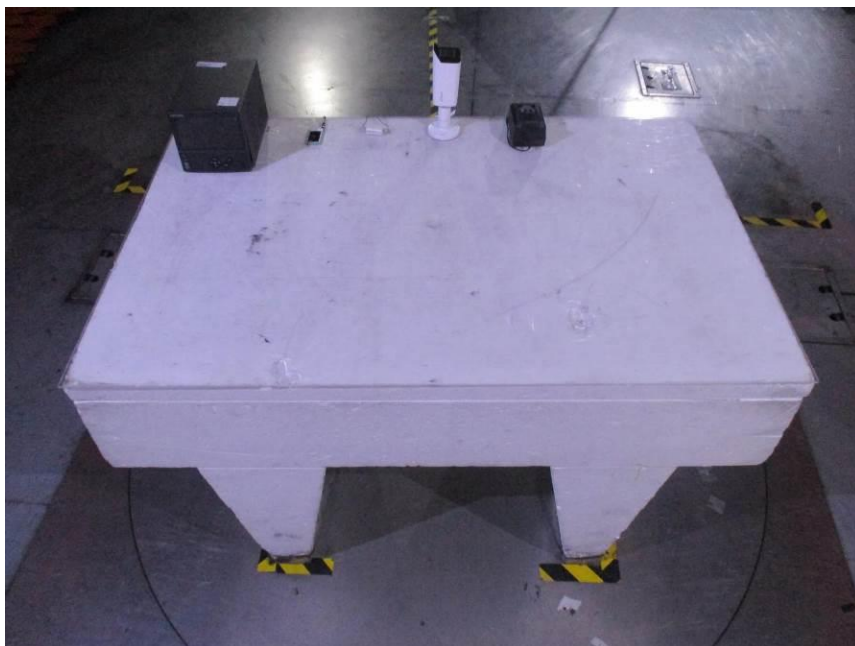
7.1 Conducted Emissions at Mains Terminals (150kHz-30MHz) Test Setup



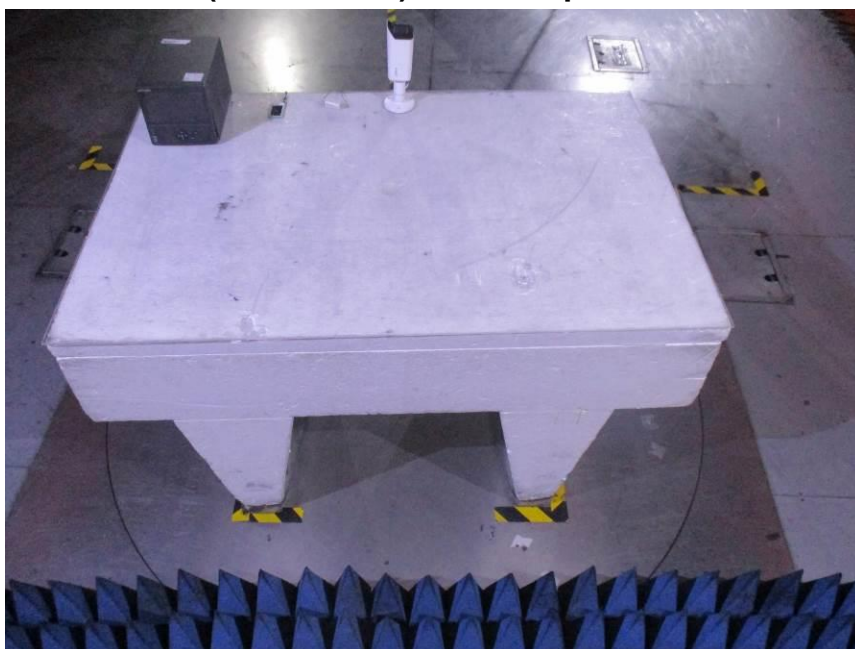


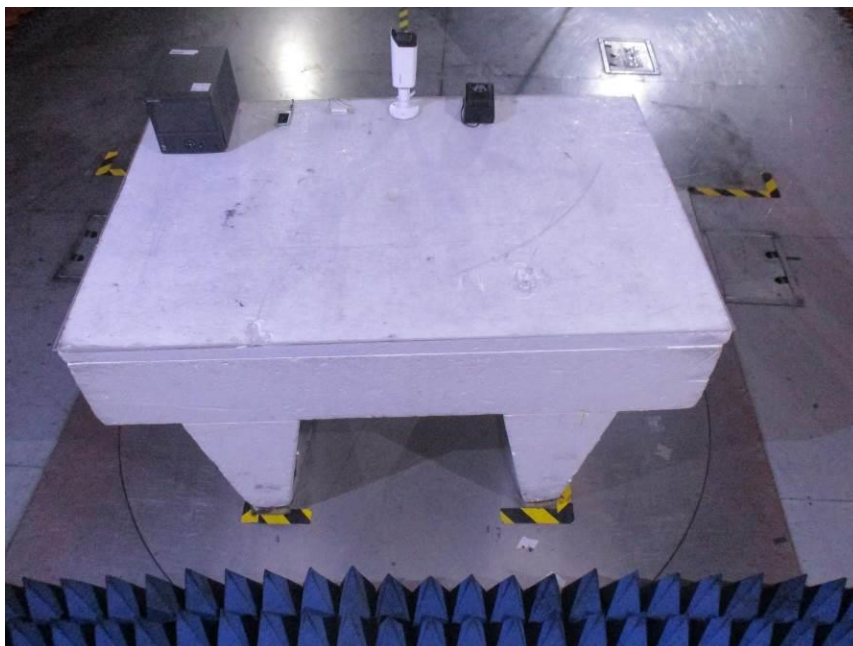
7.2 Radiated Emissions (30MHz-1GHz) Test Setup





7.3 Radiated Emissions (above 1GHz) Test Setup

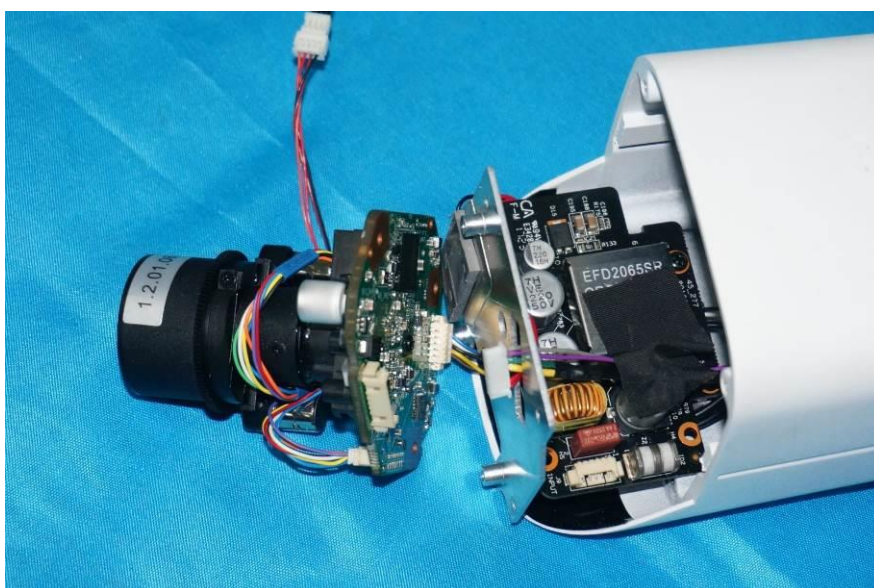
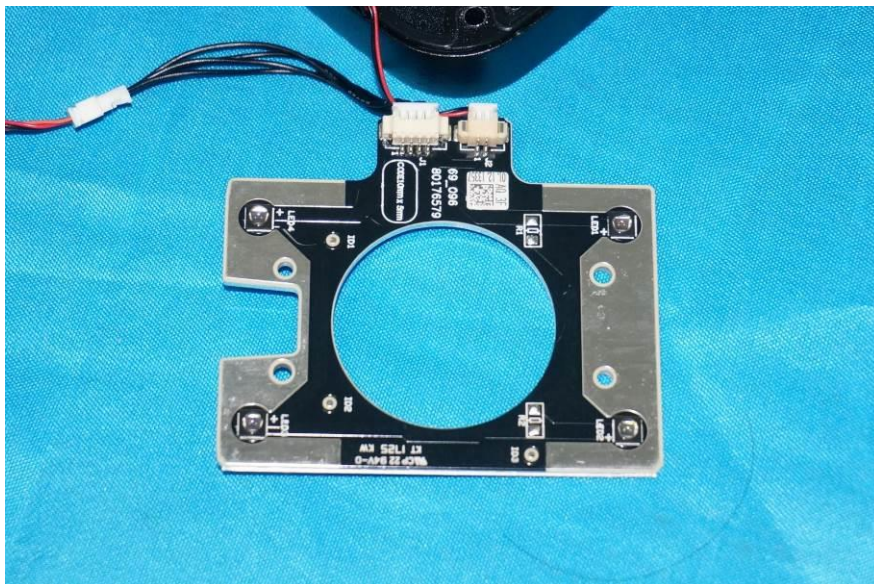


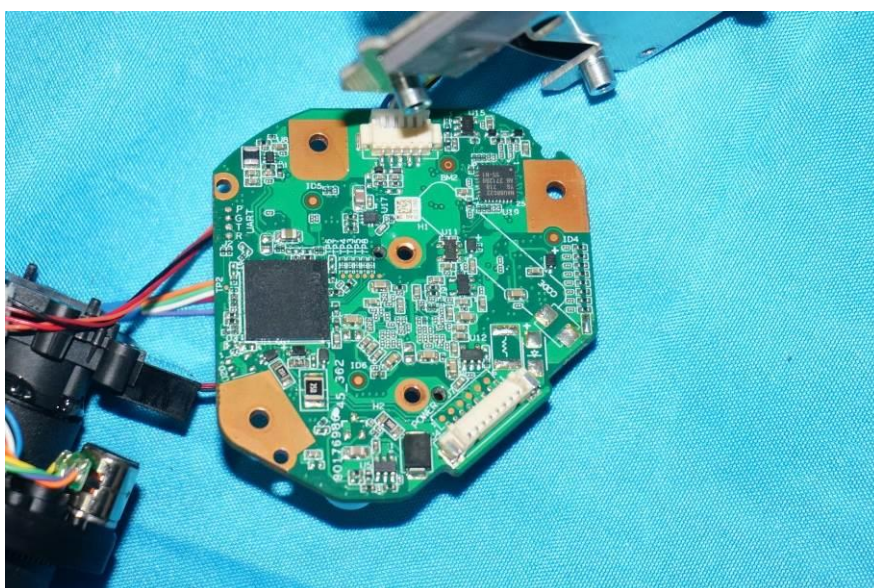
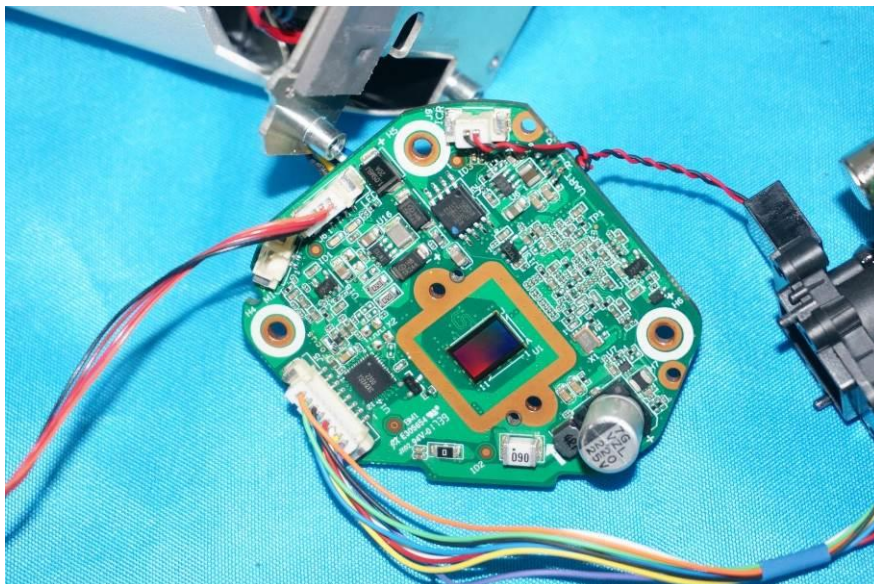


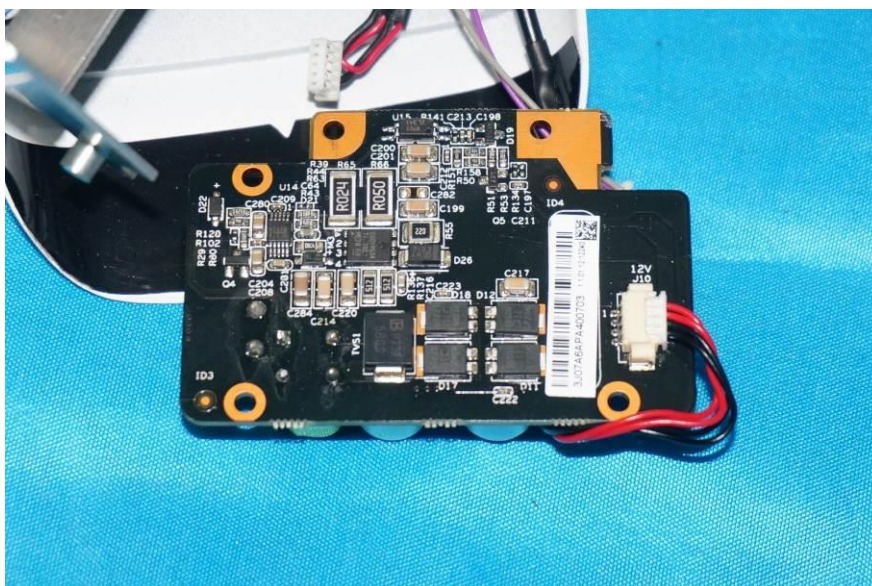
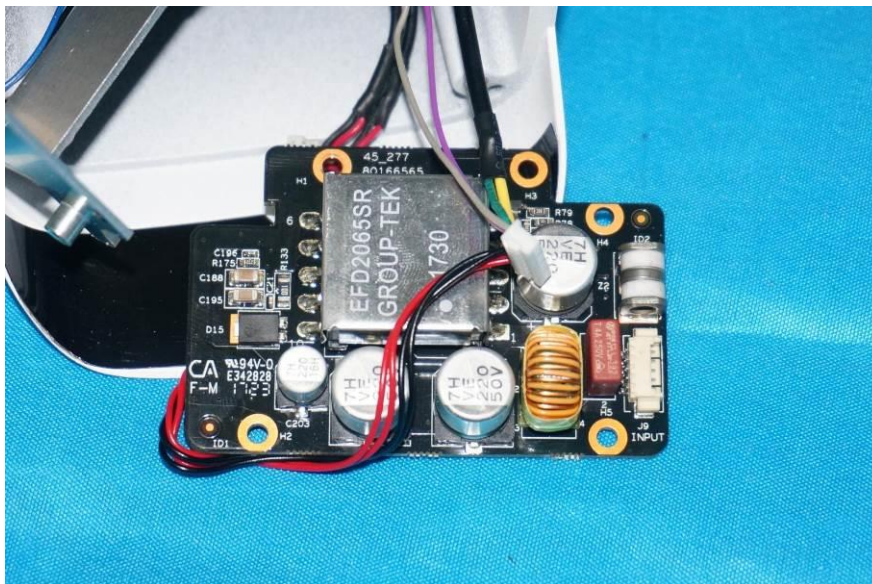
7.4 EUT Constructional Details











--End of the Report--