

FCC TEST REPORT

For

Door Window Sensor

Model Number: ZW6305

FCC ID: U2ZZW6305

Report Number : WT188001793

Test Laboratory : Shenzhen Academy of Metrology and Quality Inspection

National Digital Electronic Product Testing Center

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Test report declaration

Applicant : SHEENWAY ASIA LTD.

Address : Room1313, 13/F., AustinTower, 22-26AustinAvenu, TsimSha

Tsui, Kowloon. Hong Kong. China

Manufacturer : SHEENWAY ASIA LTD.

Address : Room1313, 13/F., AustinTower, 22-26AustinAvenu, TsimSha

Tsui, Kowloon. Hong Kong. China

EUT Description : Door Window Sensor

Model No : ZW6305

FCC ID : U2ZZW6305

Test Standards:

FCC Part 15 (October 1, 2017 Edition)

ANSI C63.10-2013

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10-2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with FCC Rules Part 15.249.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

| Project Engineer: | (g 3/2) | Date: | _Apr.28,2018 | |
|----------------------|---------------|-------|--------------|--|
| | (Chen Qichun) | | | |
| Checked by: | 相主辆 | Date: | _Apr.28,2018 | |
| | (Lin Yixiang) | | | |
| Approved by: | 种人 | Date: | _Apr.28,2018 | |
| | (Lin Bin) | | | |

Report No.: WT188001793 Page 2/27



TABLE OF CONTENTS

| TEST | REPO | RT DECLARATION | 2 |
|------|-------|---|----|
| 1. | TEST | RESULTS SUMMARY | 5 |
| 2. | GENE | RAL INFORMATION | 6 |
| | 2.1. | Report information | 6 |
| | 2.2. | Laboratory Accreditation and Relationship to Customer | 6 |
| | 2.3. | Measurement Uncertainty | 7 |
| 3. | PROD | DUCT DESCRIPTION | 8 |
| | 3.1. | EUT Description | 8 |
| | 3.1. | Block Diagram of EUT Configuration | 8 |
| | 3.2. | Operating Condition of EUT | 8 |
| | 3.3. | Operating Condition of EUT | 9 |
| | 3.4. | Special Accessories | 9 |
| | 3.5. | Equipment Modifications | 9 |
| | 3.6. | Support Equipment List | 9 |
| | 3.7. | Test Conditions | 9 |
| 4. | TEST | EQUIPMENT USED | 10 |
| 5. | CONE | DUCTED DISTURBANCE TEST | 11 |
| | 5.1. | Test Standard and Limit | 11 |
| | 5.2. | Test Procedure | 11 |
| | 5.3. | Test Arrangement | 11 |
| 6. | RADIA | ATED DISTURBANCE TEST | 12 |
| | 6.1. | Test Standard and Limit | 12 |
| | 6.2. | Test Procedure | 12 |
| | 6.3. | Test Arrangement | 12 |
| | 6.4. | Test Data | 13 |
| 7. | occi | JPIED BANDWIDTH | 23 |
| | 7.1. | Test Standard and Limit | 23 |
| | 7.2. | Test Procedure | 23 |
| | 7.3. | Test Arrangement | 23 |

| | 7.4. | Test Data | 23 |
|----|------|-------------------------------|----|
| 8. | BANI | D EDGE | 25 |
| | 8.1. | Test Standard and Limit | 25 |
| | 8.2. | Band Edge FCC 15.249(d) Limit | 25 |
| | 8.3. | Test Procedure | 25 |
| | 8.4. | Test Arrangement | 25 |
| | 8.5. | Test Data | 25 |
| 9. | ANT | ENNA REQUIREMENT | 27 |

Report No.: WT188001793

Page 4/27



1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

| Tuble 1 Test Results Building | | | | | | |
|-------------------------------|-----------|--------------|--|--|--|--|
| Test Items | FCC Rules | Test Results | | | | |
| Conducted Disturbance | 15.207 | Pass | | | | |
| Radiated disturbance | 15.249 | Pass | | | | |
| Occupied Bandwidth | 15.215 | Pass | | | | |
| Band Edges | 15.249 | Pass | | | | |
| Antenna Requirement | 15.203 | Pass | | | | |

Remark: "N/A" means "Not applicable."

Report No.: WT188001793 Page 5/27



2. GENERAL INFORMATION

2.1. Report information

- 2.1.1.This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.
- 2.1.2. The sample/s mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.
- 2.1.3.Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

2.2. Laboratory Accreditation and Relationship to Customer

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at No.4 TongFa Road, Xili Town, Nanshan District, Shenzhen, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is Accredited Testing Laboratory of FCC with Designation number CN1165 and Site registration number 582918.

The Laboratory is registered to perform emission tests with Industry Canada (IC), and the registration number is 11177A-1.

TUV Rhineland accredits the Laboratory for conformance to IEC and EN standards, the registration number is UA 50303686.

Report No.: WT188001793 Page 6/27



2.3. Measurement Uncertainty

Conducted Emission
9kHz~30MHz 3.5dB

Radiated Emission
30MHz~1000MHz 4.5dB
1GHz~18GHz 4.6dB

Report No.: WT188001793 Page 7/27



3. PRODUCT DESCRIPTION

3.1. EUT Description

Description : Door Window Sensor

Manufacturer : SHEENWAY ASIA LTD.

Model Number : ZW6305

Rated Input : DC 3V, CR2450 battery

Power supply : DC 3V, CR2450 battery

Operate Frequency : 908.4MHz, 916MHz

Modulation 908.4MHz: FSK, 916MHz: GFSK

Antenna Designation : Integrated

3.1. Block Diagram of EUT Configuration

EUT

Test Setup

3.2. Operating Condition of EUT

Mode 1: Transmitting at 908.4MHz

Mode 2: Transmitting at 916MHz

Mode 3: ON, Receiving

Report No.: WT188001793 Page 8/27



3.3. Operating Condition of EUT

Mode 1: Transmitting at 908.4MHz

Mode 2: Transmitting at 916MHz

Mode 3: ON, Receiving

3.4. Special Accessories

Not available for this EUT intended for grant.

3.5. Equipment Modifications

Not available for this EUT intended for grant.

3.6. Support Equipment List

Table 2 Support Equipment List

| | | 1-1-1-1-1 | |
|---------------|--|-----------|--------------|
| Name Model No | | S/N | Manufacturer |
| | | | |

3.7. Test Conditions

Date of test: Apr.16, 2018 - Apr.20, 2018

Date of EUT Receive: Apr.04, 2018

Temperature: (21-23) °C

Relative Humidity: (47-55)%

Report No.: WT188001793 Page 9/27



4. TEST EQUIPMENT USED

Table 3 Test Equipment

| No. | Equipment | Manufacturer | Model No. | Last Cal. | Cal. Interval |
|-----------|-------------------|-----------------|-----------|--------------|------------------|
| SB8501/09 | EMI Test Receiver | Rohde & Schwarz | ESU40 | Mar.20, 2018 | 1 Year |
| SB3955 | Broadband antenna | SCHWARZBECK | VULB9163 | Mar.05, 2018 | 1 Year |
| SB8501/01 | Horn Antenna | Rohde & Schwarz | HF907 | Mar.08, 2018 | 1 Year |
| SB8501/17 | Preamplifier | Rohde & Schwarz | SCU-18 | Mar.05, 2018 | 1 Year |

Report No.: WT188001793 Page 10/27



5. CONDUCTED DISTURBANCE TEST

5.1. Test Standard and Limit

5.1.1.Test Standard

FCC Part 15 15.207

5.1.2.Test Limit

Table 4 Conducted Disturbance Test Limit

| Fraguenay | Maximum RF Line Voltage ($dB\mu V$) | | | | |
|---------------|---------------------------------------|---------------|--|--|--|
| Frequency | Quasi-peak Level | Average Level | | | |
| 150kHz~500kHz | 66 ~ 56 * | 56 ~ 46 * | | | |
| 500kHz~5MHz | 56 | 46 | | | |
| 5MHz~30MHz | 60 | 50 | | | |

^{*}Decreasing linearly with logarithm of the frequency

5.2. Test Procedure

The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). AN EMI test receiver is used to test the emissions from both sides of AC line. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

The bandwidth of EMI test receiver is set at 9 kHz.

5.3. Test Arrangement

The EUT is power supply by batteries, Therefore this test is not applicable.

Report No.: WT188001793 Page 11/27

^{*}The lower limit shall apply at the transition frequency.



6. RADIATED DISTURBANCE TEST

6.1. Test Standard and Limit

6.1.1.Test Standard

FCC Part 15 15.249

6.1.2.Test Limit

Table 5 Radiated Disturbance Test Limit

| Tuble 5 Rudiated Distarbance Test Ellint | | | | | | |
|--|-----------|-----------|--|--|--|--|
| FREQUENCY | FIELD | FIELD | | | | |
| MHz | STRENGTHS | STRENGTHS | | | | |
| | LIMITS | LIMITS | | | | |
| | (μV/m) | dB (μV/m) | | | | |
| Fundamental | 50000 | 94.0 | | | | |
| Harmonics | 500 | 54.0 | | | | |
| 30 ~ 88 | 100 | 40.0 | | | | |
| 88 ~ 216 | 150 | 43.5 | | | | |
| 216 ~ 960 | 200 | 46.0 | | | | |
| 960 ~ | 500 | 54.0 | | | | |

^{*} The lower limit shall apply at the transition frequency.

6.2. Test Procedure

Radiated emission test below 1 GHz, test at SAC, the EUT is placed on a turntable, which is 0.8 meter above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can move up and down to find out the maximum emission level. Radiated emission test above 1 GHz, test at FAR, the EUT is placed on a non-conductive table, which is 1.5 meter above ground. Broadband antenna is used as a receiving antenna at frequency range 30MHz to 1000MHz, Horn antenna is used as a receiving antenna at frequency range above 1GHz. Both horizontal and vertical polarization of the antenna is set on test, in order to find out the max emission, the relative positions of this EUT was rotated through three orthogonal axes.

The RBW of the EMI test receiver is:

30~1000MHz 120KHz 1-18GHz 1MHz

6.3. Test Arrangement

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application. The detailed information refers to test picture. The EUT shall be measured in the XYZ three positions, and the test data which was shown in the follow was the worst case.

Report No.: WT188001793 Page 12/27

^{*} The test distance is 3m.



6.4. Test Data

Table 6 Radiated Disturbance Test Data

Model No.: ZW6305

| Frequency (MHz) | Polarization | Correction | Antenna Factor | Reading Value | Emission Level | Limits dB | EUT axes | Note |
|--------------------|--------------|-------------|-------------------|------------------|---------------------|-----------|-------------|----------------|
| 40.265 | Horizontal | (dB) 0.7 | (dB/m) 13.6 | (dB μ V) -3.0 | dB (μ V/m) 11.3 | 40.0 | Х | QP |
| 53.691 | Horizontal | 0.7 | 13.3 | -2.3 | 11.7 | 40.0 | Х | QP |
| 101.595 | Horizontal | 1.1 | 13.2 | -1.4 | 12.9 | 43.5 | Х | QP |
| 908.400 | Horizontal | 3.9 | 21.1 | 53.4 | 78.4 | 94 | Х | Fundamental QP |
| 1825.547 | Horizontal | -40.5 | 26.9 | 53.7 | 40.1 | 74 | Х | Harmonics PK |
| 1825.547 | Horizontal | -40.5 | 26.9 | 40.3 | 26.7 | 54 | Х | Harmonics AV |
| 2725.274 | Horizontal | -39.8 | 29.6 | 56.1 | 45.9 | 74 | Х | Harmonics PK |
| 2725.274 | Horizontal | -39.8 | 29.6 | 51.1 | 40.9 | 54 | Х | Harmonics AV |
| 4541.983 | Horizontal | -39.4 | 33.7 | 51.6 | 45.9 | 74 | Х | Harmonics PK |
| 4541.983 | Horizontal | -39.4 | 33.7 | 43.1 | 37.4 | 54 | Х | Harmonics AV |
| 6358.759 | Horizontal | -35.1 | 34.7 | 51.4 | 51.0 | 74 | Х | Harmonics PK |
| 6358.759 | Horizontal | -35.1 | 34.7 | 41.8 | 41.4 | 54 | Х | Harmonics AV |
| 8175.529 | Horizontal | -37.7 | 36.1 | 55.4 | 53.8 | 74 | Х | Harmonics PK |
| 8175.529 | Horizontal | -37.7 | 36.1 | 47.2 | 45.6 | 54 | Х | Harmonics AV |
| 41.115 | Vertical | 0.7 | 13.6 | -3.0 | 11.3 | 40.0 | Х | QP |
| 54.784 | Vertical | 0.8 | 13.3 | -2.5 | 11.6 | 40.0 | Х | QP |
| 102.548 | Vertical | 1.1 | 13.2 | -1.2 | 13.1 | 43.5 | Х | QP |
| 908.400 | Vertical | 3.9 | 21.1 | 40.4 | 65.4 | 94 | Х | Fundamental QP |
| 1316.223 | Vertical | -40.8 | 24.3 | 59.7 | 43.2 | 74 | Х | PK |
| 1316.223 | Vertical | -40.8 | 24.3 | 40.0 | 23.5 | 54 | Х | AV |
| 1826.009 | Vertical | -40.5 | 26.9 | 57.4 | 43.8 | 74 | Х | Harmonics PK |
| 1826.009 | Vertical | -40.5 | 26.9 | 43.5 | 29.9 | 54 | Х | Harmonics AV |
| 2725.149 | Vertical | -39.8 | 29.6 | 52.8 | 42.6 | 74 | Х | Harmonics PK |
| 2725.149 | Vertical | -39.8 | 29.6 | 42.9 | 32.7 | 54 | Х | Harmonics AV |
| 8175.639 | Vertical | -37.7 | 36.1 | 44.8 | 43.2 | 74 | Х | Harmonics PK |
| 8175.639 | Vertical | -37.7 | 36.1 | 25.1 | 23.5 | 54 | Х | Harmonics AV |

Report No.: WT188001793 Page 13/27



Table 7 Radiated Disturbance Test Data

Model No.: ZW6305

Test mode: 2

| Test mode: | : 2 | | | | | | | |
|--------------------|--------------|------------------------------|-----------------------------|------------------------------|----------------------------------|-----------------------|-------------|----------------|
| Frequency (MHz) | Polarization | Correction Factor (dB) | Antenna Factor (dB/m) | Reading Value (dB µ V) | Emission Level dB (µ V/m) | Limits dB (µ V/m) | EUT axes | Note |
| 36.824 | Horizontal | 0.6 | 12.3 | -2.0 | 10.9 | 40.0 | Х | QP |
| 57.782 | Horizontal | 0.8 | 13.0 | -2.4 | 11.4 | 40.0 | Х | QP |
| 101.059 | Horizontal | 1.1 | 13.2 | -1.6 | 12.7 | 43.5 | Х | QP |
| 916.000 | Horizontal | 3.9 | 21.1 | 45.2 | 70.2 | 94 | Х | Fundamental QP |
| 1239.948 | Horizontal | -41.0 | 24.3 | 68.5 | 51.8 | 74 | Х | PK |
| 1239.948 | Horizontal | -41.0 | 24.3 | 54.9 | 38.2 | 54 | Х | AV |
| 2748.068 | Horizontal | -39.8 | 29.6 | 54.8 | 44.6 | 74 | Х | Harmonics PK |
| 2748.068 | Horizontal | -39.8 | 29.6 | 48.3 | 38.1 | 54 | Х | Harmonics AV |
| 4579.948 | Horizontal | -39.2 | 33.7 | 51.8 | 46.3 | 74 | Х | Harmonics PK |
| 4579.948 | Horizontal | -39.2 | 33.7 | 43.8 | 38.3 | 54 | Х | Harmonics AV |
| 6411.822 | Horizontal | -34.5 | 34.8 | 50.5 | 50.8 | 74 | Х | Harmonics PK |
| 6411.822 | Horizontal | -34.5 | 34.8 | 39.9 | 40.2 | 54 | Х | Harmonics AV |
| 8243.740 | Horizontal | -37.6 | 36.5 | 54.2 | 53.1 | 74 | Х | Harmonics PK |
| 8243.740 | Horizontal | -37.6 | 36.5 | 44.9 | 43.8 | 54 | Х | Harmonics AV |
| 38.223 | Vertical | 0.7 | 12.3 | -2.5 | 10.5 | 40.0 | Х | QP |
| 55.015 | Vertical | 0.8 | 13.0 | -2.5 | 11.3 | 40.0 | Х | QP |
| 103.716 | Vertical | 1.2 | 13.2 | -1.7 | 12.7 | 40.0 | Х | QP |
| 916.000 | Vertical | 3.9 | 21.1 | 32.7 | 57.7 | 94 | Х | Fundamental QP |
| 1825.623 | Vertical | -40.5 | 26.9 | 54.6 | 41.0 | 74 | Х | Harmonics PK |
| 1825.623 | Vertical | -40.5 | 26.9 | 40.5 | 26.9 | 54 | Х | Harmonics AV |
| 2748.180 | Vertical | -39.8 | 29.6 | 52.5 | 42.3 | 74 | Х | Harmonics PK |
| 2748.180 | Vertical | -39.8 | 29.6 | 41.2 | 31.0 | 54 | Х | Harmonics AV |
| 8243.869 | Vertical | -37.6 | 36.5 | 54.3 | 53.2 | 74 | Х | Harmonics PK |
| 8243.869 | Vertical | -37.6 | 36.5 | 45.8 | 44.7 | 54 | Х | Harmonics AV |

Report No.: WT188001793 Page 14/27



Table 8 Radiated Disturbance Test Data

Model No.: ZW6305

Test mode: 3

| l est mode: | : 3 | | | | | | | |
|--------------------|--------------|------------------------------|-----------------------------|------------------------------|----------------------------------|-----------------------|-------------|------|
| Frequency (MHz) | Polarization | Correction Factor (dB) | Antenna Factor (dB/m) | Reading Value (dB µ V) | Emission Level dB (µ V/m) | Limits dB (µ V/m) | EUT axes | Note |
| 39.290 | Horizontal | 0.6 | 12.3 | -2.0 | 10.9 | 40.0 | X | QP |
| 60.072 | Horizontal | 1.0 | 12.7 | -2.2 | 11.5 | 40.0 | Х | QP |
| 93.100 | Horizontal | 1.1 | 11.9 | -1.3 | 11.7 | 43.5 | Х | QP |
| 101.226 | Horizontal | 1.1 | 13.2 | -1.5 | 12.8 | 43.5 | Х | QP |
| 1821.105 | Horizontal | -40.5 | 26.9 | 50.1 | 36.5 | 74 | Х | PK |
| 1821.105 | Horizontal | -40.5 | 26.9 | 36.6 | 23.0 | 54 | Х | AV |
| 3164.100 | Horizontal | -39.1 | 30.4 | 49.5 | 40.8 | 74 | Х | PK |
| 3164.100 | Horizontal | -39.1 | 30.4 | 36.2 | 27.5 | 54 | Х | AV |
| 35.975 | Vertical | 0.6 | 12.3 | -2.3 | 10.6 | 40.0 | Х | QP |
| 51.214 | Vertical | 0.8 | 13.3 | -2.4 | 11.7 | 40.0 | Х | QP |
| 63.410 | Vertical | 0.9 | 12.7 | -3.0 | 10.6 | 40.0 | Х | QP |
| 101.937 | Vertical | 1.1 | 13.2 | -1.1 | 13.2 | 43.5 | Х | QP |
| 1825.641 | Vertical | -40.5 | 26.9 | 59.4 | 45.8 | 74 | Х | PK |
| 1825.641 | Vertical | -40.5 | 26.9 | 48.1 | 34.5 | 54 | Х | AV |
| 4923.600 | Vertical | -39.6 | 34.0 | 50.8 | 45.2 | 74 | Х | PK |
| 4923.600 | Vertical | -39.6 | 34.0 | 36.6 | 31.0 | 54 | Х | AV |
| 9598.611 | Vertical | -36.6 | 37.2 | 49.5 | 50.1 | 74 | Х | PK |
| 9598.611 | Vertical | -36.6 | 37.2 | 35.6 | 36.2 | 54 | Х | AV |
| | | | | | | | | |

Note: 1. Emission level(dBuV/m)=Reading Value(dBuV) + Correction Factor(dB)+Antenna Factor (dB/m)

- 2. Correction Factor(dB) = Cable Factor (dB)+Amplifier Factor(dB)
- 3. No other spurious and harmonic emissions were reported greater than listed emissions above table.

Report No.: WT188001793 Page 15/27

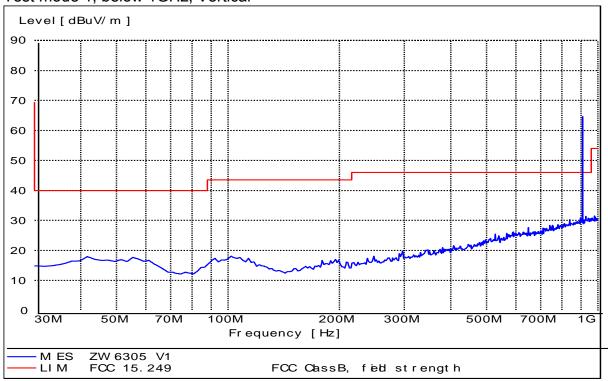
Table 9 Restricted Band Radiated Emission Data

| MHz | MHz | MHz | GHz |
|-------------------|-----------------------|-----------------|-------------|
| 0.090 - 0.110 | 16.42 - 16.423 | 399.9 - 410 | 4.5 - 5.15 |
| 0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614 | 5.35 - 5.46 |
| 2.1735 - 2.1905 | 16.80425 - 16.80475 | 960 - 1240 | 7.25 - 7.75 |
| 4.125 - 4.128 | 25.5 - 25.67 | 1300 - 1427 | 8.025 - 8.5 |
| 4.17725 - 4.17775 | 37.5 - 38.25 | 1435 - 1626.5 | 9.0 - 9.2 |
| 4.20725 - 4.20775 | 73 - 74.6 | 1645.5 - 1646.5 | 9.3 - 9.5 |
| 6.215 - 6.218 | 74.8 - 75.2 | 1660 - 1710 | |
| 6.26775 - 6.26825 | 108 - 121.94 | 1718.8 - 1722.2 | |
| 6.31175 - 6.31225 | 123 - 138 | 2200 - 2300 | |
| 8.291 - 8.294 | 149.9 - 150.05 | 2310 - 2390 | |
| 8.362 - 8.366 | 156.52475 - 156.52525 | 2483.5 - 2500 | |
| 8.37625 - 8.38675 | 156.7 - 156.9 | 2655 - 2900 | |
| 8.41425 - 8.41475 | 162.0125 - 167.17 | 3260 - 3267 | |
| 12.29 - 12.293 | 167.72 - 173.2 | 3332 - 3339 | |
| 12.51975 - | 240 - 285 | 3345.8 - 3358 | |
| 12.52025 | 322 - 335.4 | 3600 - 4400 | |
| 12.57675 - | | | |
| 12.57725 | | | |
| 13.36 - 13.41 | | | |

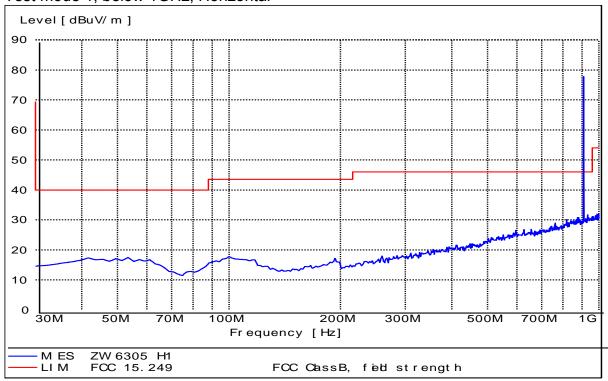
All the emission levels of the above band were less than the limit 20dB.

Report No.: WT188001793 Page 16/27

Test mode 1, below 1GHz, Vertical



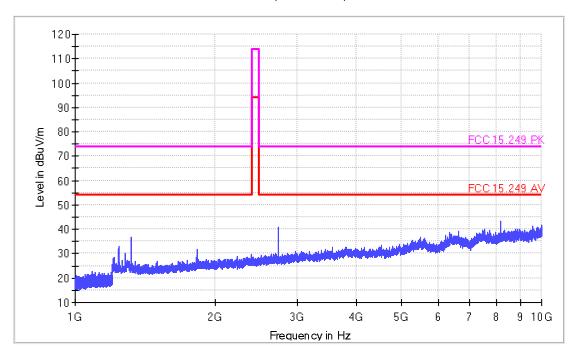
Test mode 1, below 1GHz, Horizontal



Report No.: WT188001793 Page 17/27

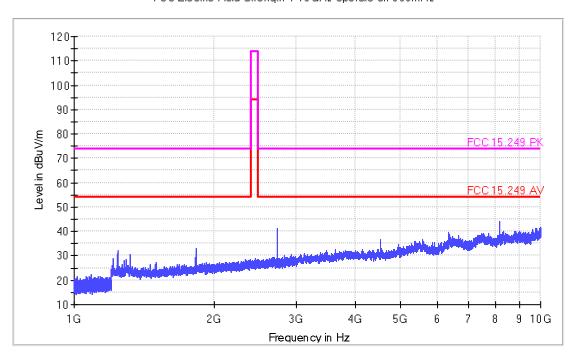
Test mode 1, above 1GHz, Vertical

FCC Electric Field Strength 1-18 GHz operate on 900MHz



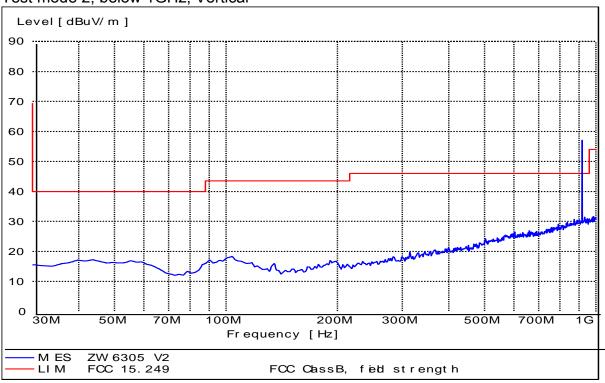
Test mode 1, above 1GHz, Horizontal

FCC Electric Field Strength 1-18 GHz operate on 900MHz

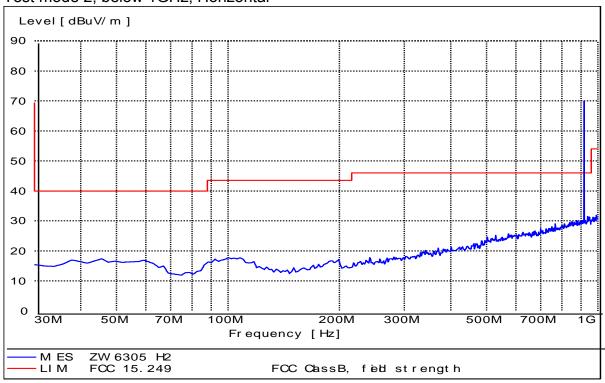


Report No.: WT188001793 Page 18/27

Test mode 2, below 1GHz, Vertical



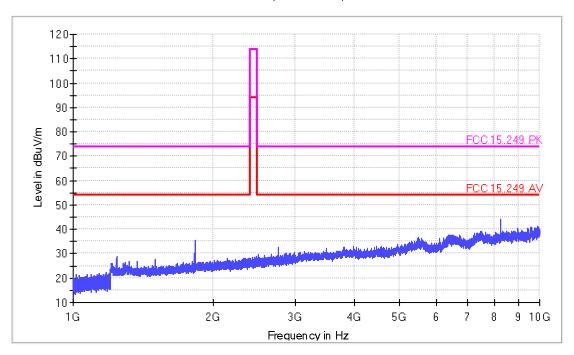
Test mode 2, below 1GHz, Horizontal



Report No.: WT188001793 Page 19/27

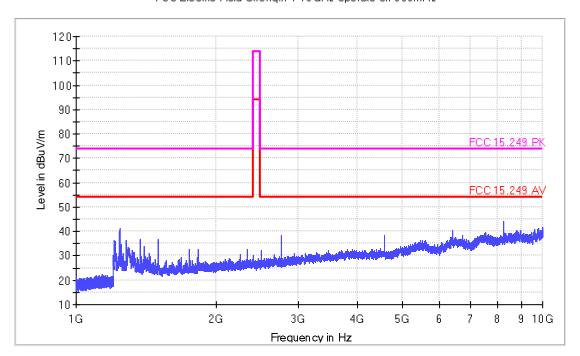
Test mode 2, above 1GHz, Vertical

FCC Electric Field Strength 1-18 GHz operate on 900MHz



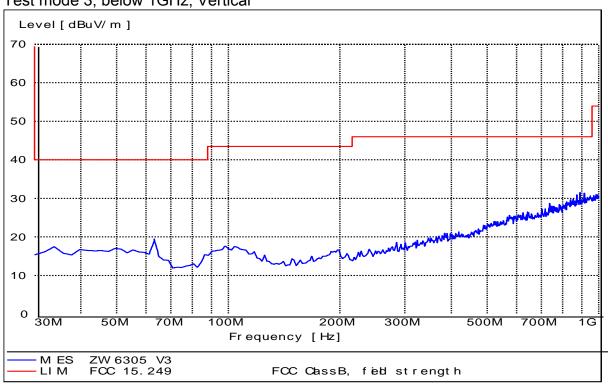
Test mode 2, above 1GHz, Horizontal

FCC Electric Field Strength 1-18 GHz operate on 900MHz

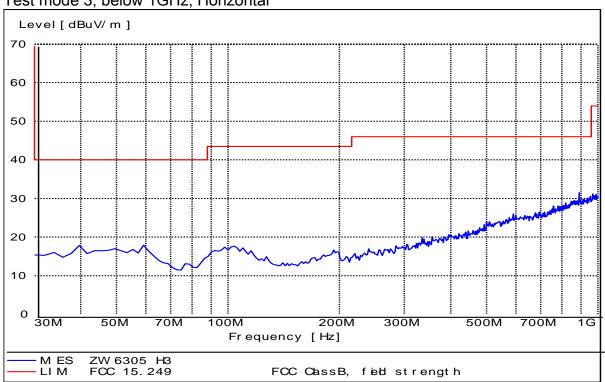


Report No.: WT188001793 Page 20/27

Test mode 3, below 1GHz, Vertical



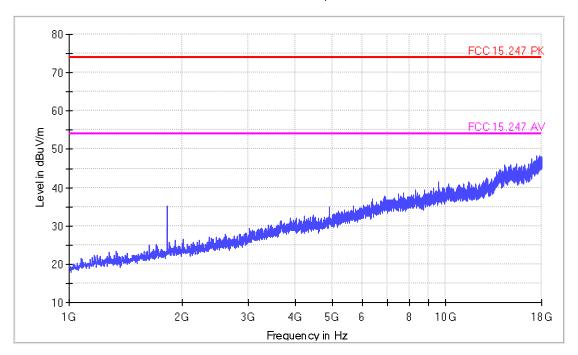
Test mode 3, below 1GHz, Horizontal



Report No.: WT188001793 Page 21/27

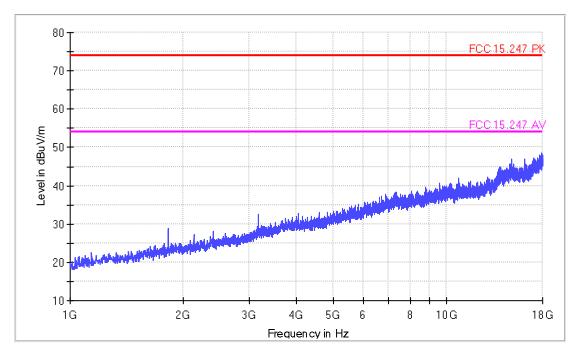
Test mode 3, above 1GHz, Vertical

FCC Electric Field Strength 1-18 GHz



Test mode 3, above 1GHz, Horizontal

FCC Electric Field Strength 1-18 GHz



Report No.: WT188001793 Page 22/27

7. OCCUPIED BANDWIDTH

7.1. Test Standard and Limit

7.1.1.Test Standard

FCC Part 15 15.215

7.2. Test Procedure

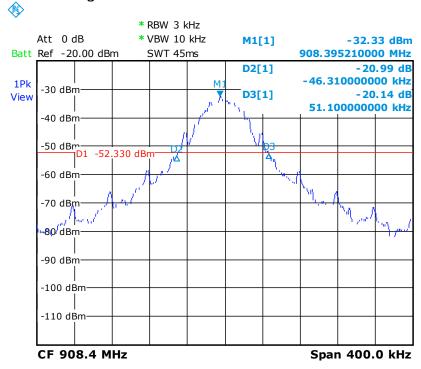
- 1. Set EUT as normal operation
- 2. Set EMI test receiver Center Frequency = fundamental frequency, RBW=1% to 5% of the OBW, VBW=3 times of RBW, Span=Wide enough to capture the complete power envelope.
- 3. Set EMI test receiver Max hold. Mark peak, -20dB.

7.3. Test Arrangement

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application. The detailed information refers to test picture.

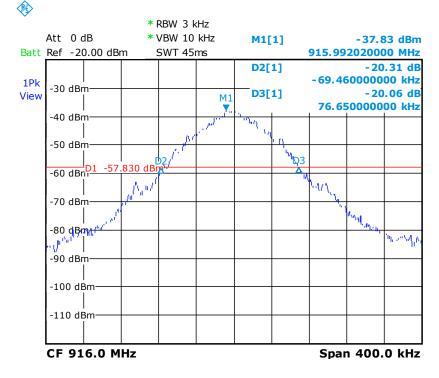
7.4. Test Data

Transmitting at 908.4MHz: 20dB bandwidth =97.4 kHz



Report No.: WT188001793 Page 23/27

Transmitting at 916MHz: 20dB bandwidth =146.1 kHz



Report No.: WT188001793 Page 24/27



8. BAND EDGE

8.1. Test Standard and Limit

8.1.1.Test Standard

FCC Part 15 15.249

8.2. Band Edge FCC 15.249(d) Limit

Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation

8.3. Test Procedure

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2. Position the EUT without connection to measurement instruments. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
- 3. Measure the highest amplitude appearing on spectral display and set it as reference level. Plot the graph with marking the highest point and edge frequency.
- 4. Repeat above procedures until all measured frequencies were complete.

8.4. Test Arrangement

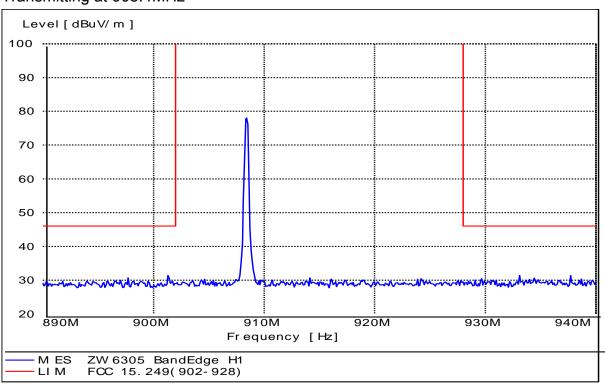
The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application. The detailed information refers to test picture.

8.5. Test Data

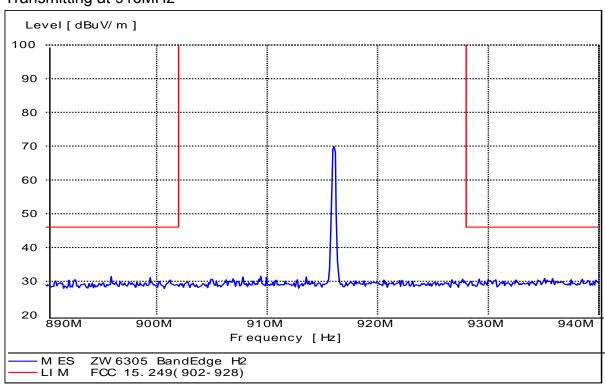
All the emission outside 902 to 928 is lower than 46 dB (μ V/m). The detailed information refers to test picture.

Report No.: WT188001793 Page 25/27

Transmitting at 908.4MHz



Transmitting at 916MHz



Report No.: WT188001793 Page 26/27



9. ANTENNA REQUIREMENT

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

The EUT has a built in antenna which is integrated inside the enclosure, this is permanently attached antenna and meets the requirements of this section.

Report No.: WT188001793 Page 27/27