

TEST REPORT

Applicant: Scosche Industries Inc

Address of Applicant: 1550 Pacific Ave, Oxnard, California 93033, United States

Manufacturer/Factory: Scosche Industries Inc

Address of Manufacturer/Factory: 1550 Pacific Ave, Oxnard, California 93033, United States

Equipment Under Test (EUT)

Product Name: Bluetooth handsfree car kit

Model No.: BTFM9

Trade Mark: Scosche

FCC ID: IKQBTFM9

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.239

Date of sample receipt: December 13, 2023

Date of Test: December 14, 2023-February 09, 2023

Date of report issued: February 10, 2023

Test Result : PASS *

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

Authorized Signature:

A red circular stamp with a five-pointed star in the center. The text around the star reads "Global United Technology Services Co., Ltd." in English and "球众一科技有限公司" in Chinese. Below the star, it says "检验检测专用章" (Inspection and Testing Special Seal) and "Inspection/Testing Services" in English.

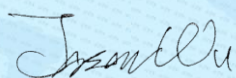
Robinson Luo

Laboratory Manager

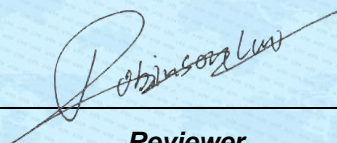
This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

| Version No. | Date | Description |
|-------------|-------------------|-------------|
| 00 | February 10, 2023 | Original |
| | | |
| | | |
| | | |
| | | |

Tested By:**Date:**

February 10, 2023

Project Engineer**Check By:****Date:**

February 10, 2023

Reviewer

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4 Test Summary

| Test Item | Section | Result |
|--|---|--------|
| Antenna requirement | 47 CFR Part 15, Subpart C 15.203 | Pass |
| AC Power Line Conducted Emission | 47 CFR Part 15, Subpart C 15.207 | N/A |
| Field strength of the fundamental signal | 47 CFR Part 15, Subpart C 15.239(b) | Pass |
| Radiated Spurious Emissions | 47 CFR Part 15, Subpart C 15.209 & 15.239 (c) | Pass |
| 20dB Occupied Bandwidth | 47 CFR Part 15, Subpart C 15.239(a) | Pass |

Remarks:

1. Test according to ANSI C63.10:2013.
2. Pass: The EUT complies with the essential requirements in the standard.
3. N/A: Not applicable

4.1 Measurement Uncertainty

| Test Item | Frequency Range | Measurement Uncertainty | Notes |
|-------------------|-----------------|-------------------------|-------|
| Radiated Emission | 30MHz-200MHz | 3.8039dB | (1) |
| Radiated Emission | 200MHz-1GHz | 3.9679dB | (1) |
| Radiated Emission | 1GHz-18GHz | 4.29dB | (1) |
| Radiated Emission | 18GHz-40GHz | 3.30dB | (1) |

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

5 General Information

5.1 General Description of EUT

| | |
|----------------------|---|
| Product Name: | Bluetooth handsfree car kit |
| Model No.: | BTFM9 |
| Test sample(s) ID: | GTS202212000098-1 |
| Sample(s) Status: | Engineer sample |
| S/N: | 230418 |
| Operation Frequency: | 88.1MHz~107.9MHz |
| Channel numbers: | 100 |
| Channel Separation: | 200kHz |
| Modulation Type: | FM |
| Antenna Type: | Integral antenna |
| Antenna Gain: | 10dBi |
| Power Supply: | Input: DC 12-24V, 3A Output UABA: DC 5V, 2.4A UABC: DC 5V, 2.4A |

| Operation Frequency each of Channel | | | | | | | |
|-------------------------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 1 | 88.1 | 26 | 93.1 | 51 | 98.1 | 76 | 103.1 |
| 2 | 88.3 | 27 | 93.3 | 52 | 98.3 | 77 | 103.3 |
| 3 | 88.5 | 28 | 93.5 | 53 | 98.5 | 78 | 103.5 |
| 4 | 88.7 | 29 | 93.7 | 54 | 98.7 | 79 | 103.7 |
| 5 | 88.9 | 30 | 93.9 | 55 | 98.9 | 80 | 103.9 |
| 6 | 89.1 | 31 | 94.1 | 56 | 99.1 | 81 | 104.1 |
| 7 | 89.3 | 32 | 94.3 | 57 | 99.3 | 82 | 104.3 |
| 8 | 89.5 | 33 | 94.5 | 58 | 99.5 | 83 | 104.5 |
| 9 | 89.7 | 34 | 94.7 | 59 | 99.7 | 84 | 104.7 |
| 10 | 89.9 | 35 | 94.9 | 60 | 99.9 | 85 | 104.9 |
| 11 | 90.1 | 36 | 95.1 | 61 | 100.1 | 86 | 105.1 |
| 12 | 90.3 | 37 | 95.3 | 62 | 100.3 | 87 | 105.3 |
| 13 | 90.5 | 38 | 95.5 | 63 | 100.5 | 88 | 105.5 |
| 14 | 90.7 | 39 | 95.7 | 64 | 100.7 | 89 | 105.7 |
| 15 | 90.9 | 40 | 95.9 | 65 | 100.9 | 90 | 105.9 |
| 16 | 91.1 | 41 | 96.1 | 66 | 101.1 | 91 | 106.1 |
| 17 | 91.3 | 42 | 96.3 | 67 | 101.3 | 92 | 106.3 |
| 18 | 91.5 | 43 | 96.5 | 68 | 101.5 | 93 | 106.5 |
| 19 | 91.7 | 44 | 96.7 | 69 | 101.7 | 94 | 106.7 |
| 20 | 91.9 | 45 | 96.9 | 70 | 101.9 | 95 | 106.9 |
| 21 | 92.1 | 46 | 97.1 | 71 | 102.1 | 96 | 107.1 |
| 22 | 92.3 | 47 | 97.3 | 72 | 102.3 | 97 | 107.3 |
| 23 | 92.5 | 48 | 97.5 | 73 | 102.5 | 98 | 107.5 |
| 24 | 92.7 | 49 | 97.7 | 74 | 102.7 | 99 | 107.7 |
| 25 | 92.9 | 50 | 97.9 | 75 | 102.9 | 100 | 107.9 |

Note:

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

Test Channel:

| Channel | Frequency |
|---------------------|-----------|
| The lowest channel | 88.1MHz |
| The middle channel | 98.1MHz |
| The Highest channel | 107.9MHz |

5.2 Test mode

| | |
|--------|--------------------|
| Mode 1 | Keep transmit mode |
|--------|--------------------|

Per-test mode:

We have verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:

| Axis | X | Y | Z |
|------------------------|-------|-------|-------|
| Field Strength(dBuV/m) | 34.46 | 35.83 | 33.27 |

5.3 Description of Support Units

| Manufacturer | Description | Model | Serial Number |
|--------------|-------------------|------------|---------------|
| GS | Lead-acid battery | S5D26R-MFZ | 9442804454 |

5.4 Test Facility

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

- **FCC —Registration No.: 381383**

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files.

- **IC —Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

5.5 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480

Fax: 0755-27798960

5.6 Other Information Requested by the Customer

None.

5.7 Additional Instructions

| | |
|-------------------|---|
| Test Software | Special test command provided by manufacturer |
| Power level setup | Default |

6 Test Instruments list

| Radiated Emission: | | | | | | |
|--------------------|-------------------------------|--------------------------------|-----------------------|---------------|---------------------|-------------------------|
| Item | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1 | 3m Semi- Anechoic Chamber | ZhongYu Electron | 9.2(L)*6.2(W)* 6.4(H) | GTS250 | July 02, 2020 | July 01, 2025 |
| 2 | Control Room | ZhongYu Electron | 6.2(L)*2.5(W)* 2.4(H) | GTS251 | N/A | N/A |
| 3 | EMI Test Receiver | Rohde & Schwarz | ESU26 | GTS203 | April 22, 2022 | April 21, 2023 |
| 4 | BiConiLog Antenna | SCHWARZBECK MESS-ELEKTRONIK | VULB9168 | GTS640 | March 21, 2022 | March 20, 2023 |
| 5 | Double -ridged waveguide horn | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120 D | GTS208 | June 12, 2022 | June 11, 2023 |
| 6 | EMI Test Software | AUDIX | E3 | N/A | N/A | N/A |
| 7 | Coaxial Cable | GTS | N/A | GTS213 | April 22, 2022 | April 21, 2023 |
| 8 | Coaxial Cable | GTS | N/A | GTS211 | April 22, 2022 | April 21, 2023 |
| 9 | Coaxial cable | GTS | N/A | GTS210 | April 22, 2022 | April 21, 2023 |
| 10 | Coaxial Cable | GTS | N/A | GTS212 | April 22, 2022 | April 21, 2023 |
| 11 | Amplifier(100kHz-3GHz) | HP | 8347A | GTS204 | April 22, 2022 | April 21, 2023 |
| 12 | Band filter | Amindeon | 82346 | GTS219 | June 23, 2022 | June 22, 2023 |
| 13 | Splitter | Agilent | 11636B | GTS237 | June 23, 2022 | June 22, 2023 |
| 14 | Loop Antenna | ZHINAN | ZN30900A | GTS534 | Nov. 29, 2022 | Nov. 28, 2023 |
| 15 | Amplifier(1GHz-26.5GHz) | HP | 8449B | GTS601 | April 22, 2022 | April 21, 2023 |
| 16 | ESG Analog Signal Generator | Agilent | E4428C | GTS568 | April 22, 2022 | April 21, 2023 |

| RF Conducted Test: | | | | | | |
|--------------------|-----------------------------|--------------|-------------|------------|---------------------|-------------------------|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1 | Spectrum Analyzer | Agilent | E4440A | GTS536 | April 22, 2022 | April 21, 2023 |
| 2 | ESG Analog Signal Generator | Agilent | E4428C | GTS568 | April 22, 2022 | April 21, 2023 |
| 3 | USB RF Power Sensor | DARE | RPR3006W | GTS569 | April 22, 2022 | April 21, 2023 |
| 4 | RF Switch Box | Shongyi | RFSW3003328 | GTS571 | April 22, 2022 | April 21, 2023 |

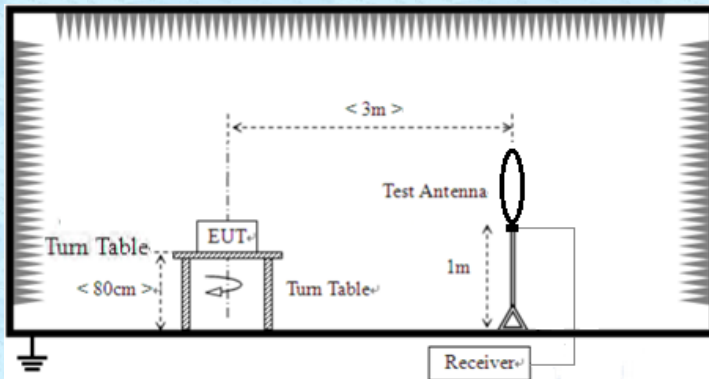
| General used equipment: | | | | | | |
|-------------------------|---------------------------------|--------------|-----------|---------------|---------------------|-------------------------|
| Item | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1 | Humidity/ Temperature Indicator | KTJ | TA328 | GTS243 | April 25, 2022 | April 24, 2023 |
| 2 | Barometer | KUMAO | SF132 | GTS647 | July 26, 2022 | July 25, 2023 |

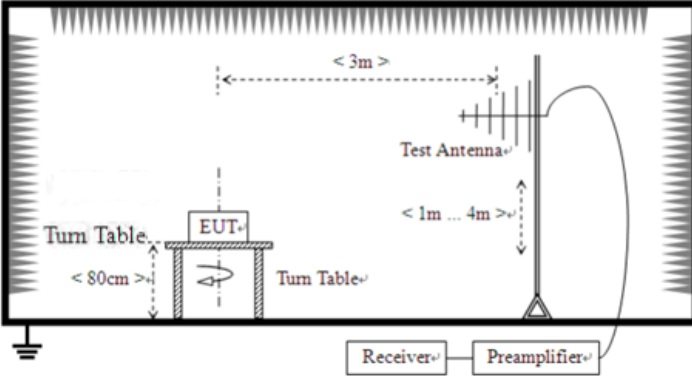
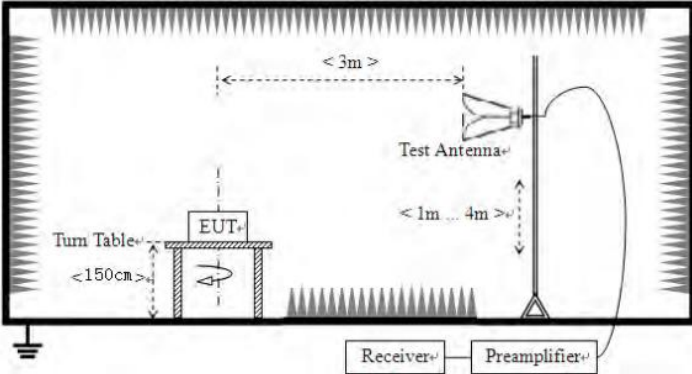
7 Test results and Measurement Data

7.1 Antenna requirement

| | |
|--|----------------------------------|
| Standard requirement: | 47 CFR Part 15, Subpart C 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 use of a antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. | |
| E.U.T Antenna: | |
| The antenna is integral antenna, reference to the appendix II for details. | |

7.2 Radiated Emission Method

| | | | | | |
|--|--|------------|--------------------|---------------|------------------|
| Test Requirement: | 47 CFR Part 15, Subpart C 15.209 & 15.239 (c) | | | | |
| Test Method: | ANSI C63.10:2013 | | | | |
| Test Frequency Range: | 9kHz to 6000MHz | | | | |
| Receiver setup: | Frequency | Detector | RBW | VBW | Remark |
| | 9kHz-150kHz | Quasi-peak | 200Hz | 300Hz | Quasi-peak Value |
| | 150kHz-30MHz | Quasi-peak | 9kHz | 10kHz | Quasi-peak Value |
| | 30MHz-1GHz | Quasi-peak | 120KHz | 300KHz | Quasi-peak Value |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak Value |
| Peak | | 1MHz | 10Hz | Average Value | |
| Limit: (Field strength of the fundamental signal) | Frequency | | Limit (dBuV/m @3m) | | Remark |
| | 88.1MHz-107.9MHz | | 48.0 | | Average Value |
| | | | 68.0 | | Peak Value |
| Limit: (Spurious Emissions) | Frequency | | Limit (uV/m) | | Remark |
| | 0.009MHz-0.490MHz | | 2400/F(kHz) @300m | | Quasi-peak Value |
| | 0.490MHz-1.705MHz | | 24000/F(kHz) @30m | | Quasi-peak Value |
| | 1.705MHz-30.0MHz | | 30 @30m | | Quasi-peak Value |
| | 30MHz-88MHz | | 100 @3m | | Quasi-peak Value |
| | 88MHz-216MHz | | 150 @3m | | Quasi-peak Value |
| | 216MHz-960MHz | | 200 @3m | | Quasi-peak Value |
| | 960MHz-1GHz | | 500 @3m | | Quasi-peak Value |
| | Above 1GHz | | 500 @3m | | Average Value |
| 5000 @3m | | | Peak Value | | |
| Limit: (band edge) | Emissions 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. | | | | |
| Test setup: | For radiated emissions from 9kHz to 30MHz  For radiated emissions from 30MHz to1GHz | | | | |

| | |
|--------------------------|--|
| |  <p>For radiated emissions above 1GHz</p>  |
| <p>Test Procedure:</p> | <ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. |
| <p>Test Instruments:</p> | <p>Refer to section 6.0 for details</p> |
| <p>Test mode:</p> | <p>Refer to section 5.2 for details</p> |
| <p>Test voltage:</p> | <p>DC 12V</p> |
| <p>Test results:</p> | <p>Pass</p> |

Measurement data:

7.2.1 Field Strength of The Fundamental Signal

Peak value:

| Frequency (MHz) | Read Level (dBUV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBUV/m) | Limit Line (dBUV/m) | Over Limit (dB) | polarization |
|-----------------|-------------------|-----------------------|-----------------|--------------------------|----------------|---------------------|-----------------|--------------|
| 88.10 | 52.86 | 8.65 | 1.09 | 30.00 | 32.60 | 48.00 | -15.40 | Horizontal |
| 88.10 | 53.38 | 8.65 | 1.09 | 30.00 | 33.12 | 48.00 | -14.88 | Vertical |
| 98.10 | 53.48 | 9.50 | 1.18 | 30.00 | 34.16 | 48.00 | -13.84 | Horizontal |
| 98.10 | 55.15 | 9.50 | 1.18 | 30.00 | 35.83 | 48.00 | -12.17 | Vertical |
| 107.90 | 51.19 | 10.33 | 1.26 | 30.00 | 32.78 | 48.00 | -15.22 | Horizontal |
| 107.90 | 52.95 | 10.33 | 1.26 | 30.00 | 34.54 | 48.00 | -13.46 | Vertical |

Note:

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

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

2. PK Value under AV limit, then pass for AV value.

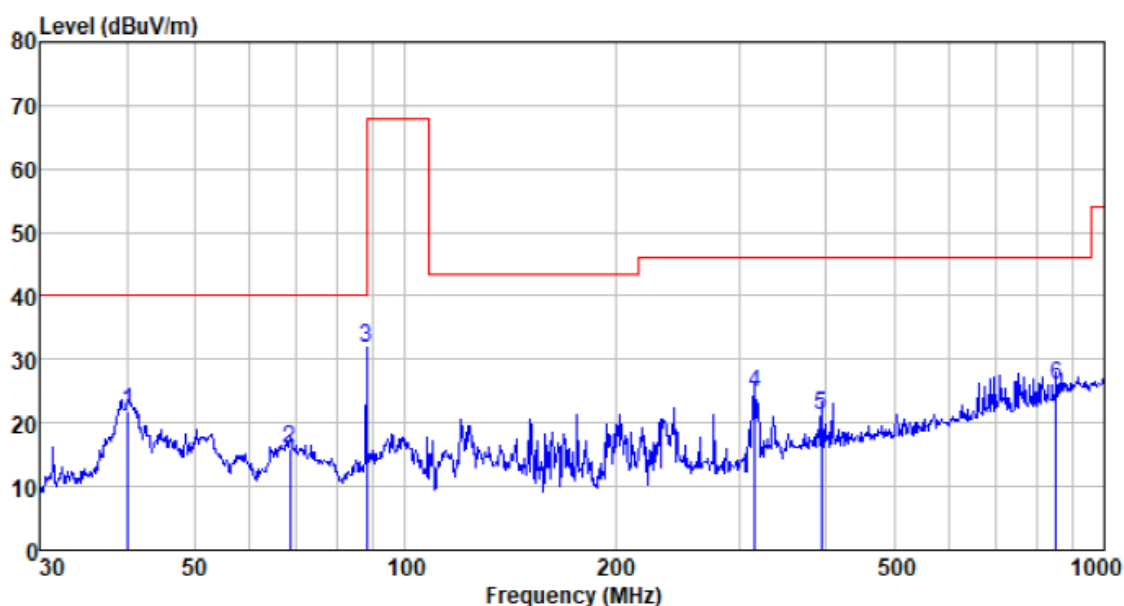
7.2.2 Radiated Spurious Emissions

■ 9kHz~30MHz

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

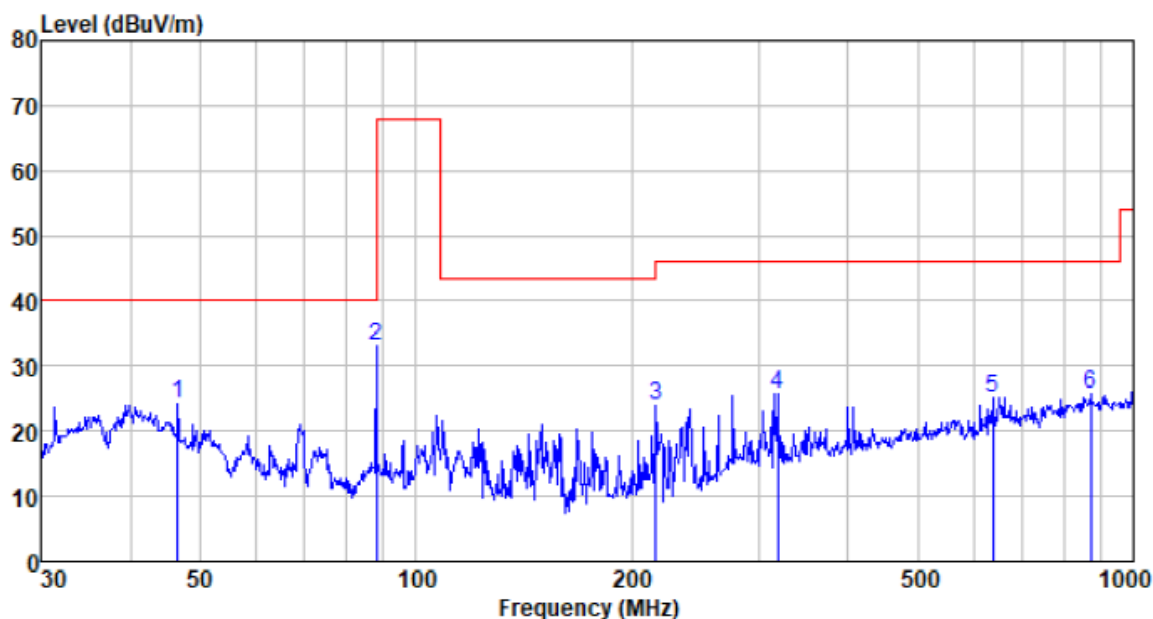
■ 30MHz~1GHz

| | | | |
|---------------|--------|---------------|------------|
| Test channel: | Lowest | Polarization: | Horizontal |
|---------------|--------|---------------|------------|



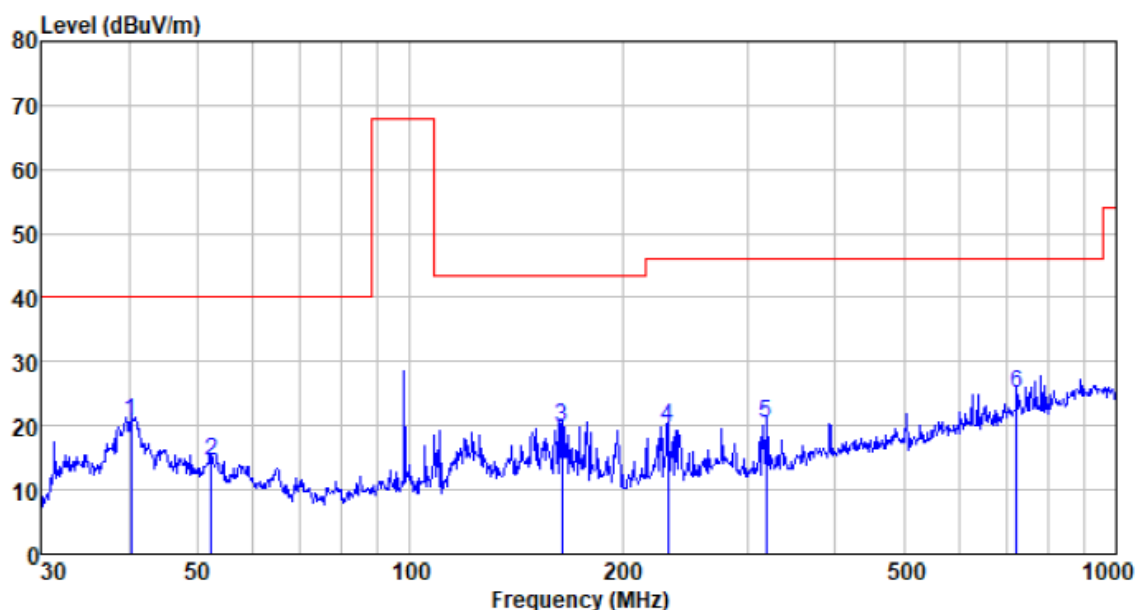
| Freq MHz | Reading level dBuV | Antenna factor dB/m | Cable loss dB | Preamp factor dB | level dBuV/m | Limit level dBuV/m | Over limit dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 40.135 | 37.54 | 13.50 | 0.66 | 30.00 | 21.70 | 40.00 | -18.30 | QP |
| 68.391 | 34.22 | 10.82 | 0.93 | 30.00 | 15.97 | 40.00 | -24.03 | QP |
| 88.000 | 52.00 | 8.66 | 1.09 | 30.00 | 31.75 | 40.00 | -8.25 | QP |
| 316.589 | 39.24 | 13.02 | 2.45 | 30.00 | 24.71 | 46.00 | -21.29 | QP |
| 393.472 | 32.88 | 15.51 | 2.82 | 30.00 | 21.21 | 46.00 | -24.79 | QP |
| 854.025 | 28.04 | 23.37 | 4.68 | 30.00 | 26.09 | 46.00 | -19.91 | QP |

| | | | |
|---------------|--------|---------------|----------|
| Test channel: | Lowest | Polarization: | Vertical |
|---------------|--------|---------------|----------|



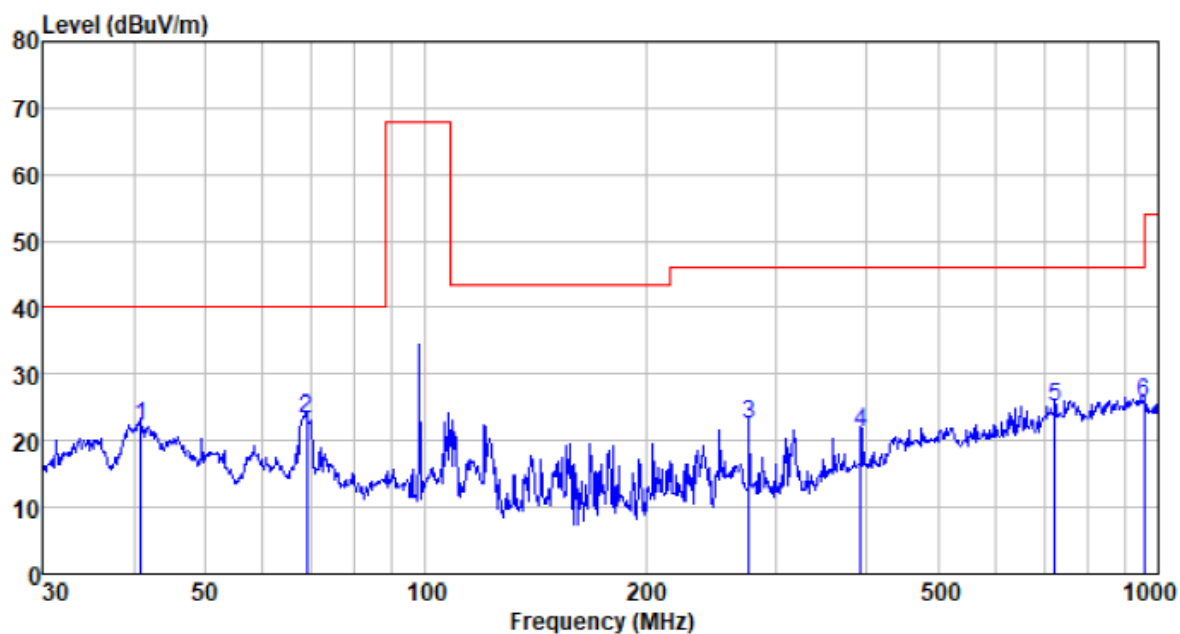
| Freq MHz | Reading level dBuV | Antenna factor dB/m | Cable loss dB | Preamp factor dB | level dBuV/m | Limit level dBuV/m | Over limit dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 46.503 | 40.13 | 13.30 | 0.74 | 30.00 | 24.17 | 40.00 | -15.83 | QP |
| 88.000 | 53.26 | 8.66 | 1.09 | 30.00 | 33.01 | 40.00 | -6.99 | QP |
| 216.024 | 41.77 | 10.09 | 1.93 | 30.00 | 23.79 | 46.00 | -22.21 | QP |
| 318.817 | 40.13 | 13.10 | 2.46 | 30.00 | 25.69 | 46.00 | -20.31 | QP |
| 636.134 | 31.48 | 19.87 | 3.86 | 30.00 | 25.21 | 46.00 | -20.79 | QP |
| 872.183 | 27.34 | 23.58 | 4.74 | 30.00 | 25.66 | 46.00 | -20.34 | QP |

| | | | |
|---------------|--------|---------------|------------|
| Test channel: | Middle | Polarization: | Horizontal |
|---------------|--------|---------------|------------|



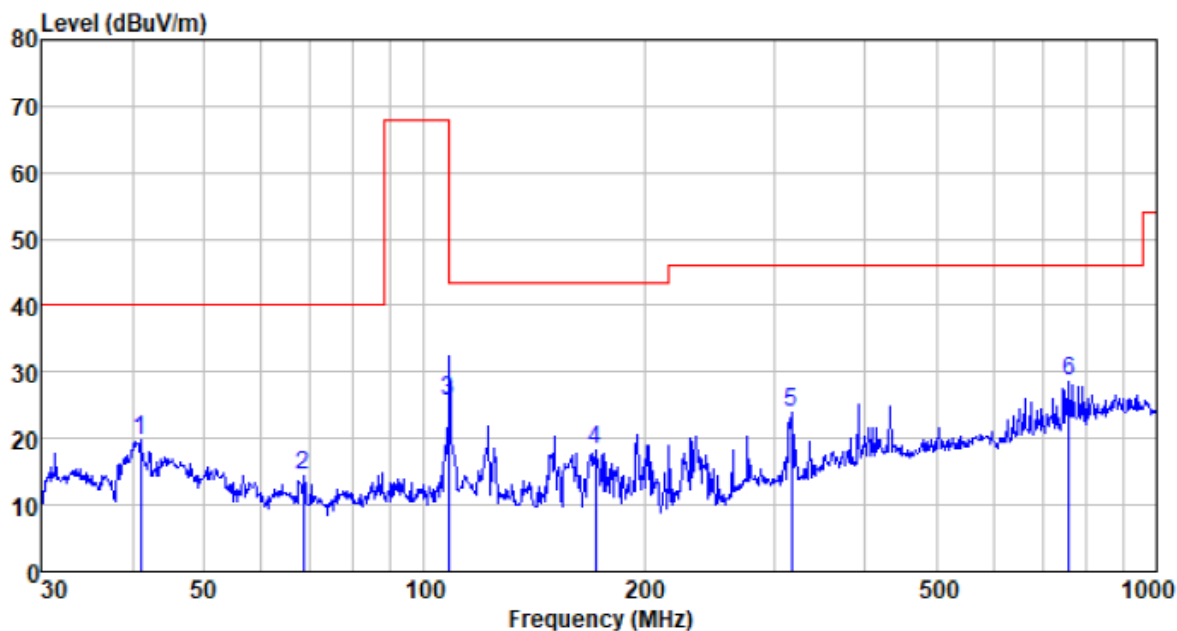
| Freq MHz | Reading level dBuV | Antenna factor dB/m | Cable loss dB | Preamplifier factor dB | level dBuV/m | Limit level dBuV/m | Over limit dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------------|-----------------|--------------------------|---------------------|--------|
| 40.276 | 36.59 | 13.49 | 0.66 | 30.00 | 20.74 | 40.00 | -19.26 | QP |
| 52.391 | 30.75 | 13.05 | 0.79 | 30.00 | 14.59 | 40.00 | -25.41 | QP |
| 164.330 | 36.17 | 12.08 | 1.65 | 30.00 | 19.90 | 43.50 | -23.60 | QP |
| 231.718 | 36.61 | 11.08 | 2.02 | 30.00 | 19.71 | 46.00 | -26.29 | QP |
| 318.817 | 34.73 | 13.10 | 2.46 | 30.00 | 20.29 | 46.00 | -25.71 | QP |
| 721.726 | 29.69 | 21.23 | 4.17 | 30.00 | 25.09 | 46.00 | -20.91 | QP |

| | | | |
|---------------|--------|---------------|----------|
| Test channel: | Middle | Polarization: | Vertical |
|---------------|--------|---------------|----------|



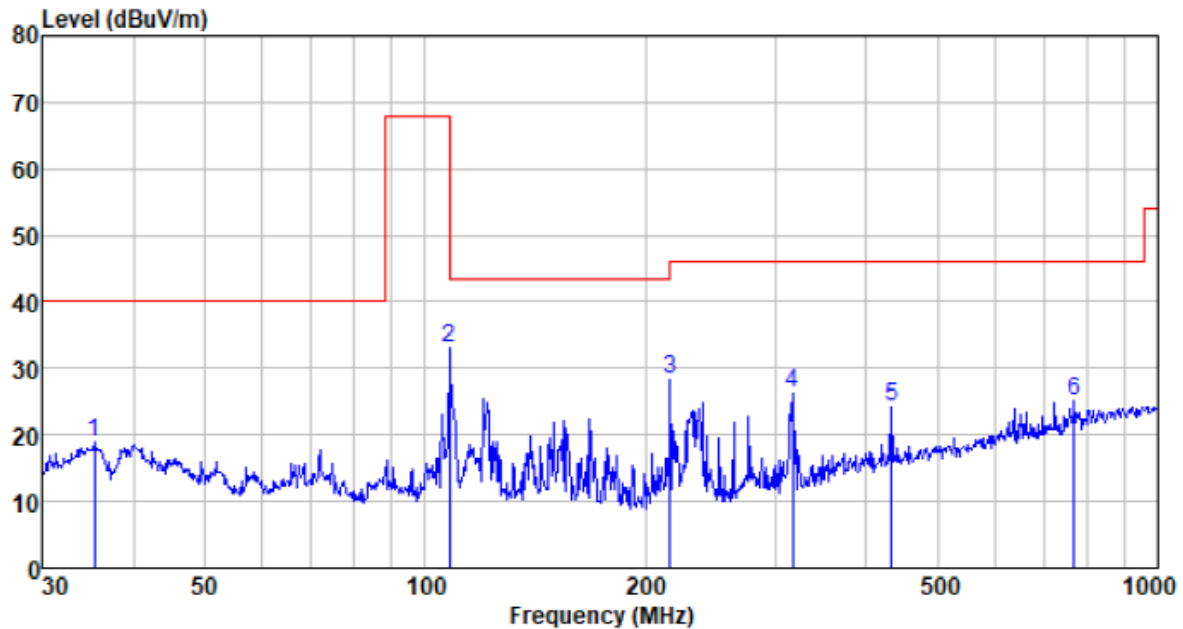
| Freq MHz | Reading level dBuV | Antenna factor dB/m | Cable loss dB | Preamp factor dB | level dBuV/m | Limit level dBuV/m | Over limit dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 40.845 | 38.08 | 13.47 | 0.67 | 30.00 | 22.22 | 40.00 | -17.78 | QP |
| 68.872 | 41.81 | 10.72 | 0.93 | 30.00 | 23.46 | 40.00 | -16.54 | QP |
| 276.124 | 37.57 | 12.60 | 2.25 | 30.00 | 22.42 | 46.00 | -23.58 | QP |
| 392.095 | 32.95 | 15.47 | 2.82 | 30.00 | 21.24 | 46.00 | -24.76 | QP |
| 721.726 | 29.79 | 21.23 | 4.17 | 30.00 | 25.19 | 46.00 | -20.81 | QP |
| 955.438 | 26.20 | 24.35 | 5.06 | 30.00 | 25.61 | 46.00 | -20.39 | QP |

| | | | |
|---------------|---------|---------------|------------|
| Test channel: | Highest | Polarization: | Horizontal |
|---------------|---------|---------------|------------|



| Freq MHz | Reading level dBuV | Antenna factor dB/m | Cable loss dB | Preamp factor dB | level dBuV/m | Limit level dBuV/m | Over limit dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 40.988 | 35.57 | 13.47 | 0.67 | 30.00 | 19.71 | 40.00 | -20.29 | QP |
| 68.391 | 32.83 | 10.82 | 0.93 | 30.00 | 14.58 | 40.00 | -25.42 | QP |
| 108.000 | 44.03 | 10.33 | 1.26 | 30.00 | 25.62 | 43.50 | -17.88 | QP |
| 171.393 | 35.34 | 11.26 | 1.69 | 30.00 | 18.29 | 43.50 | -25.21 | QP |
| 317.701 | 38.34 | 13.06 | 2.45 | 30.00 | 23.85 | 46.00 | -22.15 | QP |
| 758.041 | 32.33 | 21.93 | 4.31 | 30.00 | 28.57 | 46.00 | -17.43 | QP |

| | | | |
|---------------|---------|---------------|----------|
| Test channel: | Highest | Polarization: | Vertical |
|---------------|---------|---------------|----------|

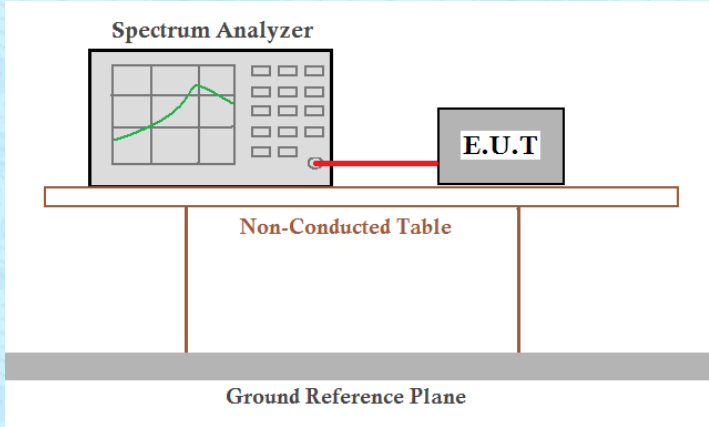


| Freq MHz | Reading level dBuV | Antenna factor dB/m | Cable loss dB | Preamp factor dB | level dBuV/m | Limit level dBuV/m | Over limit dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 35.375 | 35.66 | 12.76 | 0.61 | 30.00 | 19.03 | 40.00 | -20.97 | QP |
| 108.000 | 51.50 | 10.33 | 1.26 | 30.00 | 33.09 | 43.50 | -10.41 | QP |
| 216.024 | 46.40 | 10.09 | 1.93 | 30.00 | 28.42 | 46.00 | -17.58 | QP |
| 317.701 | 40.75 | 13.06 | 2.45 | 30.00 | 26.26 | 46.00 | -19.74 | QP |
| 432.546 | 34.92 | 16.37 | 3.01 | 30.00 | 24.30 | 46.00 | -21.70 | QP |
| 768.748 | 28.59 | 22.13 | 4.35 | 30.00 | 25.07 | 46.00 | -20.93 | QP |

Remark:

1. $Final\ Level = Receiver\ Read\ level + Antenna\ Factor + Cable\ Loss - Preamplifier\ Factor$

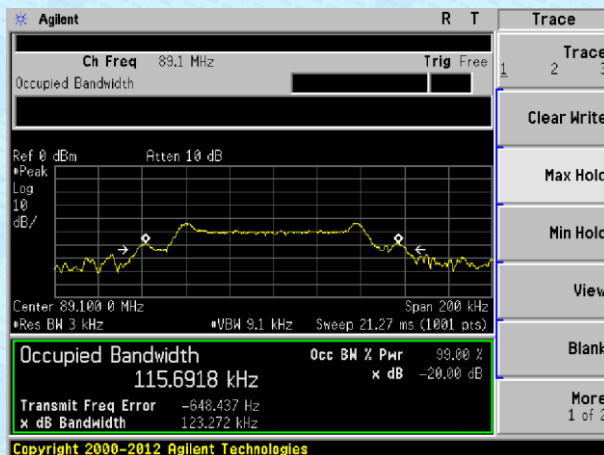
7.3 20dB Occupy Bandwidth

| | |
|-------------------|--|
| Test Requirement: | 47 CFR Part 15, Subpart C 15.239(a) |
| Test Method: | ANSI C63.10:2013 |
| Receiver setup: | RBW=3KHz, VBW=9.1KHz, detector: Peak |
| Limit: | <200 kHz |
| Test setup: |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.</p> |
| Test Instruments: | Refer to section 6.0 for details |
| Test mode: | Refer to section 5.2 for details |
| Test results: | Pass |

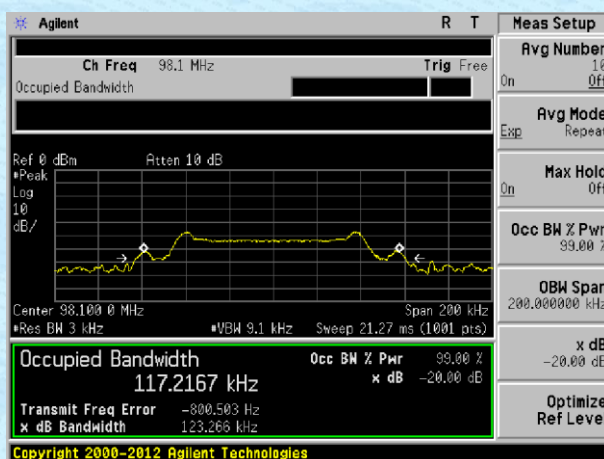
Measurement Data:

| Test channel | 20dB bandwidth(kHz) | Limit(kHz) |
|--------------|---------------------|------------|
| Lowest | 123.272 | 200 |
| Middle | 123.266 | |
| Highest | 123.217 | |

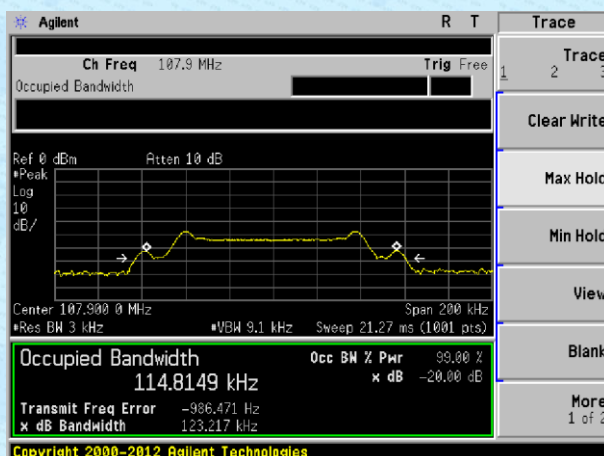
Test plot as follows:



Lowest channel



Middle channel



Highest channel

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

----- End -----