FCC TEST REPORT

For

Remotes Unlimited Inc.

RUI Replacement Transmitter for Chrysler FKE

Chry-RK-69, Chry-RK-61, Chry-RK-62, Chry-RK-63, Chry-RK-64,

Model No.: Chry-RK-65, Chry-RK-66, Chry-RK-67, Chry-RK-68, Chry-RK-70,

Chry-RK-71

Prepared For : Remotes Unlimited Inc.

Address : 12999 Murphy Road Suite A Stafford Texas 77477 United States

Prepared By : Shenzhen Anbotek Compliance Laboratory Limited

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Report Number : SZAWW180122009-01

Date of Test : Jan. 22~Mar. 12, 2018

Date of Report : Mar. 12, 2018



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FCC ID: 2AHZT-RUICH69

TEST REPORT

Applicant : Remotes Unlimited Inc.

Manufacturer : SHENZHEN VORAUS TECH CO.,LTD

Product Name : RUI Replacement Transmitter for Chrysler FKE

Model No. Chry-RK-69, Chry-RK-61, Chry-RK-62, Chry-RK-63, Chry-RK-65, Chry-RK-

Chry-RK-66, Chry-RK-67, Chry-RK-68, Chry-RK-70, Chry-RK-71

Trade Mark : REMOTES

Rating(s) : Input: DC 3V, 10mA (with DC 3V, 230mAh Battery inside)

Test Standard(s) : FCC Part15 Subpart C 2017, Section 15.231

Test Method(s) : **ANSI C63.10: 2013**

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 15 Subpart C requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

| Date of Test: | Jan. 22~Mar. 12, 2018 |
|---------------------------------|---------------------------------|
| Prepared by : | Winkey Wang |
| Reviewer: | (Tested Engineer / Winkey Wang) |
| | (Project Manager / Tangcy. T) |
| : Approved & Authorized Signer: | Ton Chen |
| | (Manager / Tom Chen) |

1. General Information

1.1. Client Information

| Applicant | • | Remotes Unlimited Inc. | | |
|--------------|---|--|--|--|
| Address | • | 2999 Murphy Road Suite A Stafford Texas 77477 United States | | |
| Manufacturer | : | SHENZHEN VORAUS TECH CO.,LTD | | |
| Address : | | Room C, Floor12, TowerA, ZhongGuanXijun Building, XiLi Town, Nanshan | | |
| | | District, Shenzhen, 518055, China | | |

1.2. Description of Device (EUT)

| Product Name | : | RUI Replacement Transmitter for Chrysler FKE | | | |
|--|---|---|--------------|--|--|
| Model No. | : | Chry-RK-69, Chry-RK-61, Chry-RK-62, Chry-RK-63, Chry-RK-64, Chry-RK-65, Chry-RK-66, Chry-RK-67, Chry-RK-68, Chry-RK-70, Chry-RK-71 (Note: All Samples are the same except Different configuration buttons, So we prepare "Chry-RK-69" for test only.) | | | |
| Trade Mark | : | REMOTES | | | |
| Test Power Supply | : | DC 3V by Battery | | | |
| | | Operation Frequency: | 315MHz | | |
| | | Number of Channel: | 1 Channels | | |
| Product Description | : | Modulation Type: | ASK | | |
| Description | | Antenna Type: | Coil Antenna | | |
| | | Antenna Gain(Peak): | 5 dBi | | |
| Remark: 1)For a more detailed features description, please refer to the manufacturer's specifications or the | | | | | |

1.3. Auxiliary Equipment Used During Test

User's Manual.

| Adapter | N/A |
|---------|-----|
| | |

1.4. Description of Test Modes

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| Pretest Mode | Description | | |
|--------------|--------------------------|--|--|
| Mode 1 | Keeping TX+Charging Mode | | |

| For Radiated Emission | | | | |
|---------------------------------|--|--|--|--|
| Final Test Mode Description | | | | |
| Mode 1 Keeping TX+Charging Mode | | | | |

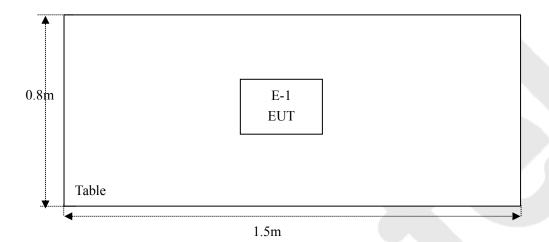
Note: During the test, the EUT was keeping continuous transmission.

1.5. List of channels

| Channel | Freq. | Note |
|---------|-------|-------------------|
| Chamiei | (MHz) | (Modulation Type) |
| 01 | 315 | ASK |

1.6. Description Of Test Setup

RE





1.7. Test Equipment List

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|---|-------------------------|----------------|---------------|---------------|------------------|
| 1. | L.I.S.N. Artificial Mains Network | Rohde & Schwarz | ENV216 | 100055 | Nov. 17, 2017 | 1 Year |
| 2. | EMI Test Receiver | Rohde & Schwarz | ESCI | 100627 | Nov. 17, 2017 | 1 Year |
| 3. | RF Switching Unit | Compliance Direction | RSU-M2 | 38303 | Nov. 17, 2017 | 1 Year |
| 4. | Spectrum Analysis | Agilent | E4407B | US39390582 | Nov. 17, 2017 | 1 Year |
| 5. | Spectrum Analysis | Agilent | N9038A | MY53227295 | Nov. 17, 2017 | 1 Year |
| 6. | Preamplifier | SKET Electronic | BK1G18G3 0D | KD17503 | Nov. 17, 2017 | 1 Year |
| 7. | EMI Test Receiver | Rohde & Schwarz | ESPI | 101604 | Nov. 17, 2017 | 1 Year |
| 8. | Double Ridged Horn Antenna | Instruments corporation | GTH-0118 | 351600 | Nov. 20, 2017 | 1 Year |
| 9. | Bilog Broadband Antenna | Schwarzbeck | VULB9163 | VULB 9163-289 | Nov. 20, 2017 | 1 Year |
| 10. | Loop Antenna | Schwarzbeck | HFH2-Z2 | 100047 | Nov. 17, 2017 | 1 Year |
| 11. | Horn Antenna | Schewarzbeck | BBHA9170 | 9170-375 | Nov. 17, 2017 | 1 Year |
| 12. | Pre-amplifier | SONOMA | 310N | 186860 | Nov. 17, 2017 | 1 Year |
| 13. | EMI Test Software EZ-EMC | SHURPLE | N/A | N/A | N/A | N/A |
| 14. | RF Test Control System | YIHENG | YH3000 | 2017430 | Nov. 18, 2017 | 1 Year |
| 15. | Power Sensor | DAER | RPR3006W | 15I00041SN045 | Nov. 17, 2017 | 1 Year |
| 16. | Power Sensor | DAER | RPR3006W | 15I00041SN046 | Nov. 17, 2017 | 1 Year |
| 17. | MXA Spectrum Analysis | Agilent | N9020A | MY51170037 | Nov. 18, 2017 | 1 Year |
| 18. | MXG RF Vector Signal Generator | Agilent | N5182A | MY48180656 | Nov. 18, 2017 | 1 Year |
| 19. | Signal Generator | Agilent | E4421B | MY41000743 | Nov. 18, 2017 | 1 Year |
| 20. | DC Power Supply | LW | TPR-6410D | 349315 | Nov. 01, 2017 | 1 Year |
| 21. | Constant Temperature Humidity Chamber | Sertep | ZJ-HWHS8 0B | ZJ-17042804 | Nov. 01, 2017 | 1 Year |

1.8. Measurement Uncertainty

| Radiation Uncertainty | : | Ur = 4.1 dB (Horizontal) | | |
|------------------------|---|---------------------------|--|--|
| | | Ur = 4.3 dB (Vertical) | | |
| | | | | |
| Conduction Uncertainty | : | Uc = 3.4dB | | |

1.9. Description of Test Facility

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

FCC-Registration No.: 184111

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registed and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 184111, July 31, 2017.

ISED-Registration No.: 8058A-1

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A-1, June 13, 2016.

Test Location

All Emissions tests were performed at

Shenzhen Anbotek Compliance Laboratory Limited. at 1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

2. Summary of Test Results

| Standard Section | Test Item | Result | |
|--|---------------------|--------|--|
| 15.203 | Antenna Requirement | PASS | |
| 15.207 | Conducted Emission | N/A | |
| 15.205/15.209/15.231(b) | Spurious Emission | PASS | |
| 15.231(c) 20dB Occupied Bandwidth | | PASS | |
| 15.231(a) | PASS | | |
| Remark: "N/A" is an abbreviation for Not Applicable. | | | |

3. Conducted Emission Test

3.1. Test Standard and Limit

| Test Standard | FCC Part15 Section 15.207 | | | | | |
|---------------|---------------------------|--------------------------------|---------------|--|--|--|
| | Eraguanav | Maximum RF Line Voltage (dBuV) | | | | |
| Test Limit | Frequency | Quasi-peak Level | Average Level | | | |
| | 150kHz~500kHz | 66 ~ 56 * | 56 ~ 46 * | | | |
| | 500kHz~5MHz | 56 | 46 | | | |
| | 5MHz~30MHz | 60 | 50 | | | |

Remark: (1) *Decreasing linearly with logarithm of the frequency.

3.2. Test Setup



3.3. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.10-2013 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

3.4. Test Data

There is DC 3V by Battery, So There is no need to test.

⁽²⁾ The lower limit shall apply at the transition frequency.

4. Radiation Spurious Emission and Band Edge

4.1. Test Standard and Limit

| Test Standard | FCC Part15 C Section 15.2 | 09, 15.205 and 15.23 | 1(b) | | |
|---------------|---------------------------|----------------------------------|-------------------|------------|--------------------------|
| | Frequency (MHz) | Field strength (microvolt/meter) | Limit (dBuV/m) | Remark | Measurement distance (m) |
| | 0.009MHz~0.490MHz | 2400/F(kHz) | - | <u></u> | 300 |
| | 0.490MHz-1.705MHz | 24000/F(kHz) | - | - | 30 |
| | 1.705MHz-30MHz | 30 | - | 1 | 30 |
| Test Limit | 30MHz~88MHz | 100 | 40.0 | Quasi-peak | 3 |
| | 88MHz~216MHz | 150 | 43.5 | Quasi-peak | 3 |
| | 216MHz~960MHz | 200 | 46.0 | Quasi-peak | 3 |
| | 960MHz~1000MHz | 500 | 54.0 | Quasi-peak | 3 |
| | Above 1000MHz | 500 | 54.0 | Average | 3 |
| | AUUVE TUUUIVIITZ | - | 74.0 | Peak | 3 |

Remark:

the formulas for calculating the maximum permitted fundamental field strengths are as follows:

for the band 260-470 MHz, μ V/m at 3 meters = 41.6667(F) - 7083.3333.

The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level

Emission Level (dBuV/m)=20log Emission Level(uV/m)

The field strength of emission limits have been calculated in below table:

| Fundamental Frequency | Field Strength of Fundamental |
|-----------------------|-------------------------------|
| (MHz) | (dBuV/m)@3m |
| 315 | 75.62 (AVG) |
| 315 | 95.62 (Peak) |

⁽¹⁾ The lower limit shall apply at the transition frequency.

^{(2) 15.35(}b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

4.2. Test Setup

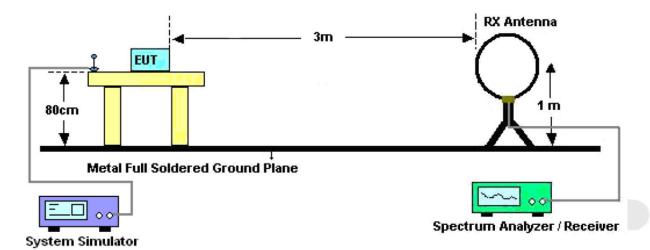


Figure 1. Below 30MHz

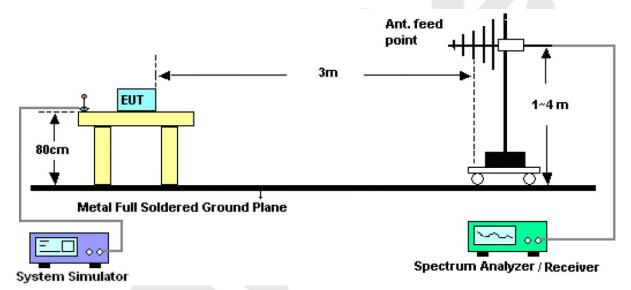


Figure 2. 30MHz to 1GHz

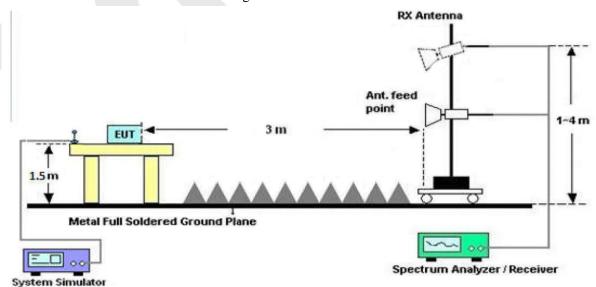


Figure 3. Above 1 GHz

4.3. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane.

For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9*6*6 Chamber. The device is evaluated in xyz orientation.

For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW = 1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:

RBW = 9KHz, VBW = 30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:

RBW = 100kHz, VBW = 300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For above 1GHz, Set the spectrum analyzer as:

RBW =1MHz, VBW =1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple.

4.4. Test Data

PASS

During the test, Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the X-axis is the worst case.

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Test Results (Fundamental 315MHz)

| Frequency | Antenna | Reading | Cable Loss | Ant Factor | Amplifier | Duty cycle Factor | Results | Limits | Det. |
|-----------|---------|----------|---------------|---------------|-----------|-------------------------|----------|----------|------|
| (MHz) | Pol. | (dBuV/m) | (dB) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | Mode |
| 315 | Н | 91.46 | 1.52 | 12.53 | 41.33 | | 64.18 | 95.62 | PK |
| 315 | Н | 91.46 | 1.52 | 12.53 | 41.33 | -16.76 | 47.42 | 75.62 | AV |
| 315 | V | 94.69 | 1.52 | 12.53 | 41.33 | | 67.41 | 95.62 | PK |
| 315 | V | 94.69 | 1.52 | 12.53 | 41.33 | -16.76 | 50.65 | 75.62 | AV |

Remark:

- 1. Result = Reading + Cable Loss +Ant Factor –Amplifier + Duty cycle Factor
- 2. Pulse Desensitization Correction Factor

Pulse Width (PW)= 0.330ms

2/PW=2/0.330=0.17kHz

RBW(1000kHz) > 2/PW(0.17kHz)

Therefore PDCF is not needed.

3. Duty Cycle Factor

Calculate Formula:

AV=PEAK +Duty Cycle Factor

Duty Cycle Factor=20log(Duty Cycle)

Duty Cycle= on time/ period

Test Data:

T on time=0.330ms*6+0.660ms*19=14.52 ms

T period=100 ms

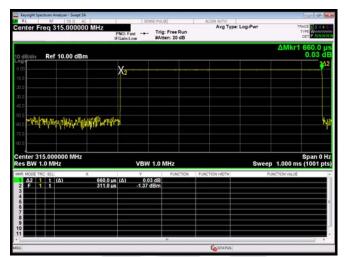
Duty Cycle=14.52%

Duty Cycle Factor = 20log(Duty Cycle)=-16.76

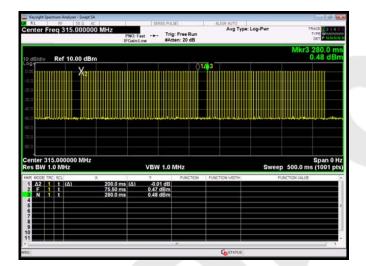
T on time slot-1

| Second Second

T on time slot-2



T period



Test Results (Harmonics Emissions)

| Frequency | Antenna | Reading | Cable Loss | Ant Factor | Amplifier | Duty cycle Factor | Results | Limits | Det |
|-----------|---------|----------|---------------|---------------|-----------|-------------------------|----------|----------|------|
| (MHz) | Pol. | (dBuV/m) | (dB) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | Mode |
| 630 | Н | 73.69 | 1.52 | 12.53 | 41.42 | | 46.32 | 75.62 | PK |
| 630 | Н | 73.69 | 1.52 | 12.53 | 41.42 | -16.76 | 29.56 | 55.62 | AV |
| 630 | V | 71.78 | 1.52 | 12.53 | 41.42 | | 44.41 | 75.62 | PK |
| 630 | V | 71.78 | 1.52 | 12.53 | 41.42 | -16.76 | 27.65 | 55.62 | AV |
| 945 | Н | 65.66 | 2.38 | 18.56 | 39.95 | | 46.65 | 74.00 | PK |
| 945 | Н | 65.66 | 2.38 | 18.56 | 39.95 | -16.76 | 29.89 | 54.00 | AV |
| 945 | V | 64.44 | 2.38 | 18.56 | 39.95 | | 45.43 | 74.00 | PK |
| 945 | V | 64.44 | 2.38 | 18.56 | 39.95 | -16.76 | 28.67 | 54.00 | AV |

Remark:

- 1. Result = Reading + Cable Loss +Ant Factor –Amplifier + Duty cycle Factor
- 2. Pulse Desensitization Correction Factor

Pulse Width (PW)= 0.330ms

2/PW=2/0.330=0.17kHz

RBW(1000kHz) > 2/PW(0.17kHz)

Therefore PDCF is not needed.

3. Duty Cycle Factor=-16.76

Test Results (Radiated Emission)

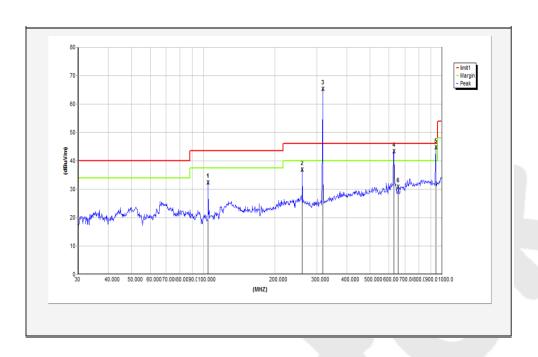
| Frequency | Antenna | Reading | Cable Loss | Ant Factor | Amplifier | Results | Limits | Margin | Det. |
|-----------|---------|----------|---------------|---------------|-----------|----------|----------|--------|------|
| (MHz) | Pol. | (dBuV/m) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | Mode |
| 118.39 | Н | 62.58 | 0.88 | 10.28 | 41.58 | 32.16 | 43.5 | -11.34 | QP |
| 266.69 | Н | 63.69 | 1.59 | 13.69 | 41.95 | 37.02 | 46 | -8.98 | QP |
| 647.69 | Н | 51.48 | 1.96 | 14.88 | 38.98 | 29.34 | 46 | -16.66 | QP |
| 157.69 | V | 66.69 | 1.57 | 11.57 | 42.05 | 37.78 | 43.5 | -5.72 | QP |
| 255.69 | V | 64.88 | 1.93 | 13.69 | 40.99 | 39.51 | 46 | -6.49 | QP |
| 708.69 | V | 65.65 | 1.78 | 15.96 | 39.76 | 43.63 | 46 | -2.37 | QP |

Test Results (Above 1G)

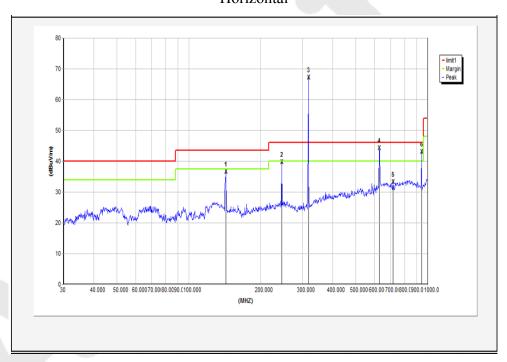
| Frequency | Antenn a | Reading | Cable Loss | Ant Factor | Amplifie r | Corrected Level | Limits | Margin | Det |
|-----------|------------------|----------|---------------|---------------|---------------|--------------------|----------|--------|------|
| (MHz) | Polariz ation | (dBuV/m) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | Mode |
| 1563.34 | Н | 70.13 | 2.88 | 13.07 | 41.58 | 44.50 | 74 | -29.50 | PK |
| 1563.34 | Н | 50.93 | 2.88 | 13.07 | 38.98 | 27.90 | 54 | -26.10 | AV |
| 2610.46 | Н | 73.41 | 2.99 | 15.38 | 41.95 | 49.83 | 74 | -24.17 | PK |
| 2610.46 | Н | 59.81 | 2.99 | 15.38 | 42.05 | 36.13 | 54 | -17.87 | AV |
| 2034.79 | V | 68.91 | 2.93 | 14.39 | 40.99 | 45.24 | 74 | -28.76 | PK |
| 2034.79 | V | 61.59 | 2.93 | 14.39 | 40.99 | 37.93 | 54 | -16.07 | AV |
| 2921.05 | V | 71.68 | 2.89 | 15.08 | 39.76 | 49.88 | 74 | -24.12 | PK |
| 2921.05 | V | 61.57 | 2.89 | 15.08 | 39.76 | 39.78 | 54 | -14.22 | AV |

Remark:

1. Results = Reading + Cable Loss +Ant Factor –Amplifier



Horizontal



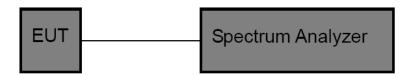
Vertical

5. 20DB Occupy Bandwidth Test

5.1. Test Standard and Limit

| Test Standard | FCC Part | FCC Part15 C Section 15.231 (c) | | | | |
|---------------|---|---|--|--|--|--|
| Test Limit | 0.25% of For device center fr modulate | the center frequency for develors operating above 900MHz requency. Bandwidth is deducted carrier. | bandwidth of the emission shall be no wider than ices operating above 70MHz and below 900MHz., the emission shall be no wider than 0.5% of the termined at the points 20dB down from the been calculated in below table: | | | |
| | | Fundamental Frequency | Limit of 20dB Bandwidth | | | |
| | 315 MHz 315000x0.0025=787.50 kHz | | | | | |
| | | | | | | |

5.2. Test Setup



5.3. Test Procedure

- 1. Place the EUT on the table and set it in the continuously transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as:

RBW = 30kHz, $VBW \ge 3*RBW = 100kHz$,

Span= 3 MHz

Detector= Peak

Trace mode= Max hold.

Sweep- auto couple.

- 4. Mark the peak frequency and -20dB (upper and lower) frequency.
- 5. Repeat until all the rest channels are investigated.

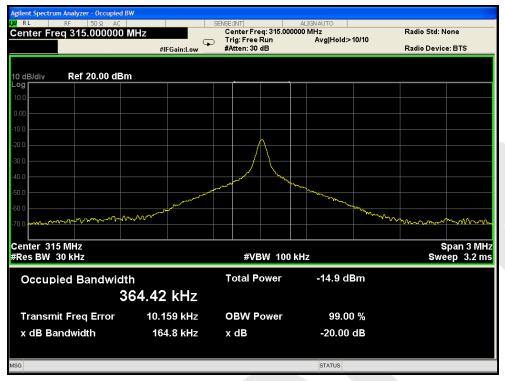
5.4. Test Data



Test Item : 20dB Bandwidth Test Mode : Continuously transmitting

Test Voltage : DC 3V Temperature : 24° C Test Result : PASS Humidity : 55° RH

| Freq. (MHz) | Modulation Type | Bandwidth (kHz) | Limit (kHz) | Results |
|-------------|-----------------|-----------------|----------------|---------|
| 315 | ASK | 164.8 | <787.50 | PASS |



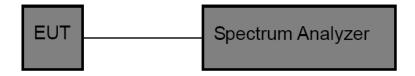
315MHz

6. Dwell Time Test

6.1. Test Standard and Limit

| Test Standard | FCC Part 15.231(a)(1) |
|---------------|---|
| Test Limit | According to FCC Part 15.231(a)(1), A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released |

6.2. Test Setup



6.3. Test Procedure

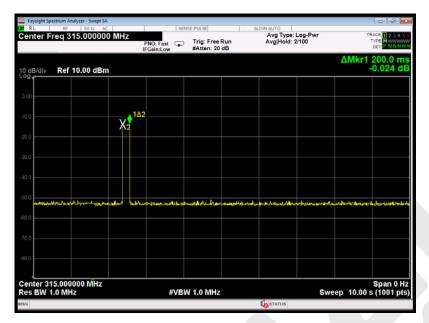
- 1. Place the EUT on the table and set it in continuously transmitting mode. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 2. Set the spectrum analyzer as RBW=1 MHz, VBW= 1 MHz, Span= 0 Hz, Sweep Time= 10 Seconds.
- 3. Record the Delta mark time.

6.4. Test Data

| Test Item : | Dwell Time | Test Mode : | Continuously transmitting |
|----------------|------------|---------------|---------------------------|
| Test Voltage : | DC 3V | Temperature : | 24℃ |
| Test Result : | PASS | Humidity : | 55%RH |

| Test Mode | Transmitting time(s) | Limit(s) | Result |
|-----------|----------------------|----------|--------|
| ASK mode | 0.200 | ≤5 | PASS |

Please refer the following plot.



Dwell Time

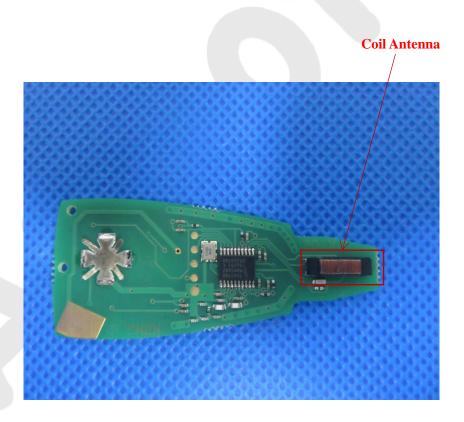
7. Antenna Requirement

7.1. Test Standard and Requirement

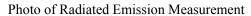
| Test Standard | FCC Part15 Section 15.203 |
|---------------|--|
| Requirement | 1) 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. Antenna requirement must meet at least one of the following: 1) Antenna must be permanently attached to device. 2) The antenna must use a unique type of connector to attach to the device. 3) Device must be professionally installed. The installer shall be responsible for ensuring that the correct antenna is employed by the device. |

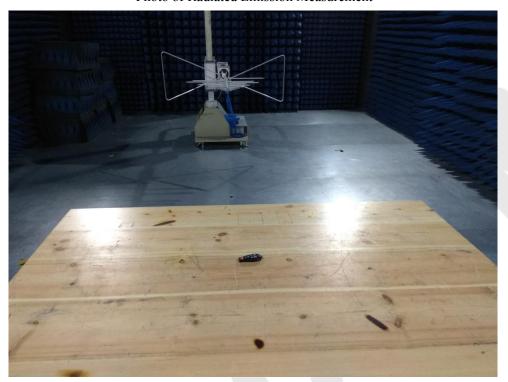
7.2. Antenna Connected Construction

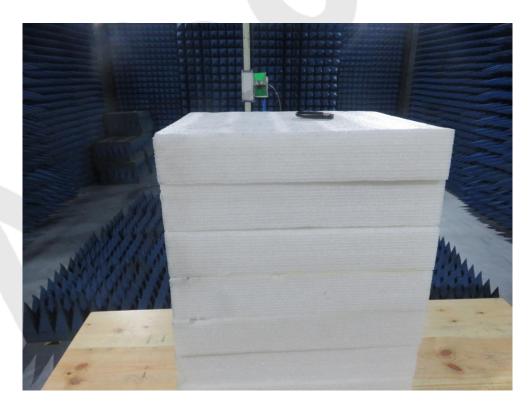
The RF antenna is a Coil Antenna which permanently attached, and the best case gain of the antenna is 5 dBi. It complies with the standard requirement.



APPENDIX I -- TEST SETUP PHOTOGRAPH







APPENDIX II -- EXTERNAL PHOTOGRAPH











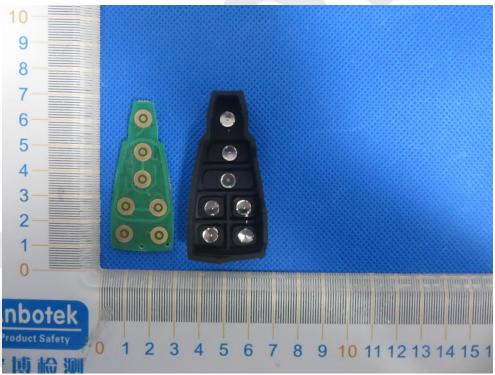


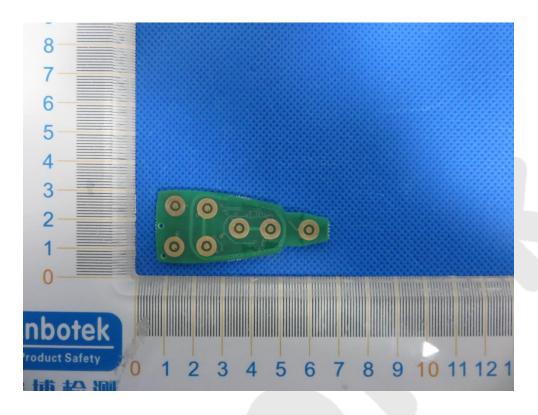
APPENDIX III -- INTERNAL PHOTOGRAPH













End of Report