

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC158871 Page: 1 of 46

FCC Radio Test Report FCC ID: 2APCO-S02C915

Original Grant

| Report No. | - | TB-FCC158871 | |
|----------------------------|---|---|--|
| Applicant | 1 | V-chip Microsystems, Inc. | |
| Equipment Under Test (EUT) | | | |
| EUT Name | ÷ | Ultra-Low Power Long Ranger RF Module | |
| Model No. | | VT-S02C-915 | |
| Serial Model No. | (| N/A | |
| Brand Name | | 10 ALC | |
| Receipt Date | | 2018-03-14 | |
| Test Date | : | 2018-03-15 to 2018-03-28 | |
| Issue Date | : | 2018-03-29 | |
| Standards | : | FCC Part 15: 2016, Subpart C(15.247) | |
| Test Method | | ANSI C63.10: 2013 | |
| Conclusions | 3 | PASS | |
| | | In the configuration tested, the EUT complied with the standards specified above, | |

Test/Witness Engineer

Approved& Authorized

WAN SU foughtin.

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0



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Revision History

| Report No. | Version | Description | Issued Date |
|----------------|---------|-------------------------|----------------|
| TB-FCC158871 | Rev.01 | Initial issue of report | 2018-03-29 |
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1. General Information about EUT

1.1 Client Information

| Applicant | 1 | V-chip Microsystems, Inc. |
|--------------|---|--|
| Address | | 6floor, Longtang Building, NanShan Cloud Valley Innovation Industrial Park, No.1183, LiuXian Road, NanShan District, ShenZhen, China |
| Manufacturer | | V-chip Microsystems, Inc. |
| Address | B | 6floor, Longtang Building, NanShan Cloud Valley Innovation Industrial Park, No.1183, LiuXian Road, NanShan District, ShenZhen, China |

1.2 General Description of EUT (Equipment Under Test)

| EUT Name | UT Name : Ultra-Low Power Long Range RF Module | | |
|--|--|------------------------------------|--------------------------|
| Models No. | | VT-S02C-915 | and a function |
| - AUDA | | Operation Frequency: | 904MHz~920MHz |
| | | Number of Channel: | 18 channels see note(3) |
| Product Description | 2 | RF Output Power: | 9.456dBm Conducted Power |
| | 5 | Antenna Gain: | 2.5dBi Internal Antenna |
| | 1 | Modulation Type: | 2-GFSK |
| | 2 | Bit Rate of Transmitter: | 50kbps |
| Power Supply | | DC Voltage supplied by Host System | |
| Power Rating | : | DC 3.3V by Host Syster | n |
| Connecting : Please refer to the User's Manual I/O Port(S) : | | 's Manual | |

Note:

This Test Report is FCC Part 15.247 for 902-928MHz, the test procedure follows the FCC KDB 558074 D01 DTS Means Guidance v04.

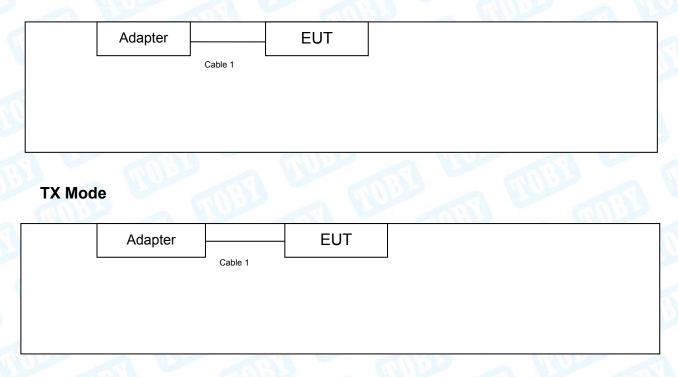
- (1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (2) Antenna information provided by the applicant.
- (3) Channel List:



| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|--------------------|---------|--------------------|---------|--------------------|
| 00 | 904 | 07 | 910 | 14 | 917 |
| 01 | 905 | 08 | 911 | 15 | 918 |
| 02 | 906 | 09 | 912 | 16 | 919 |
| 03 | 907 | 10 | 913 | 17 | 920 |
| 04 | 902 | 11 | 914 | | |
| 05 | 908 | 12 | 915 | | |
| 06 | 909 | 13 | 916 | | |

1.3 Block Diagram Showing the Configuration of System Tested

Normal Mode



1.4 Description of Support Units

| | Equipment Information | | | | |
|---|---|------------|-----------------|--------------|--------------|
| | Name | Model | S/N | Manufacturer | Used "√" |
| | PCB Board | | | V-CHIP | \checkmark |
| 2 | AC/DC Adapter | A16-502000 | | AOHAI | \checkmark |
| | AC/DC AdapterInput:AC100-240V 50/60Hz 0.5A Output:5V/2A | | | | |
| | | Ca | ble Information | | |



| Number | Shielded Type | Ferrite Core | Length | Note |
|---------|---------------|--------------|--------|------|
| Cable 1 | YES | NO | 0.6 M | 6055 |

1.5 Description of Test Mode

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 follow was evaluated respectively.

| For C | Conducted Test |
|-----------------|-----------------------|
| Final Test Mode | Description |
| Mode 1 | Normal Mode + TX Mode |

| For Radiated Test | | |
|-------------------|----------------------------|--|
| Final Test Mode | Description | |
| Mode 2 | TX Mode | |
| Mode 3 | TX Mode (Channel 00/08/17) | |

Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:

TX Mode: 2-GFSK Modulation Transmitting mode.

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



1.6 Description of Test Software Setting

During testing channel& Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of RF setting.

| Test Software Version | | exe | |
|-----------------------|---------|--------|---------|
| Frequency | 904 MHz | 911MHz | 920 MHz |
| 2-GFSK | DEF | DEF | DEF |

1.7 Measurement Uncertainty

The reported uncertainty of measurement y \pm U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

| Test Item | Parameters | Expanded Uncertainty (U _{Lab}) |
|--------------------|-------------------|--|
| | Level Accuracy: | |
| Conducted Emission | 9kHz~150kHz | ±3.42 dB |
| | 150kHz to 30MHz | ±3.42 dB |
| Radiated Emission | Level Accuracy: | ±4.60 dB |
| Radiated Emission | 9kHz to 30 MHz | ±4.00 dB |
| Radiated Emission | Level Accuracy: | ±4.40 dB |
| Radiated Emission | 30MHz to 1000 MHz | ±4.40 dB |
| Dedicted Enviroing | Level Accuracy: | |
| Radiated Emission | Above 1000MHz | ±4.20 dB |



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1.8 Test Facility

The testing was performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at:1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China.

At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.

IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.

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2. Test Summary

| Standard Section | | | | |
|-----------------------------|--------------------|--|----------|--------|
| FCC | IC | Test Item | Judgment | Remark |
| 15.203 | | Antenna Requirement | PASS | N/A |
| 15.207(a) | RSS-GEN 7.2.4 | Conducted Emission | PASS | N/A |
| 15.205&15.247(d) | RSS-GEN 7.2.2 | Band-Edge & Unwanted Emissions into Restricted Frequency | PASS | N/A |
| 15.247(a)(2) | RSS 247 5.2 (1) | 6dB Bandwidth | PASS | N/A |
| 15.247(b)(3) | RSS 247 5.4 (4) | Conducted Max Output Power | PASS | N/A |
| 15.247(e) | RSS 247 5.2 (2) | Power Spectral Density | PASS | N/A |
| 15.205, 15.209&15.247(d) | RSS 247 5.5 | Transmitter Radiated Spurious &Unwanted Emissions into Restricted Frequency | PASS | N/A |



3. Test Equipment

| Conducted Emiss | ion Test | | | - | - |
|----------------------------|--|-------------------|---------------|---------------|------------------|
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Due Date |
| EMI Test Receiver | Rohde & Schwarz | ESCI | 100321 | Jul. 20, 2017 | Jul. 19, 2018 |
| RF Switching Unit | Compliance Direction Systems Inc | RSU-A4 | 34403 | Jul. 20, 2017 | Jul. 19, 2018 |
| AMN | SCHWARZBECK | NNBL 8226-2 | 8226-2/164 | Jul. 20, 2017 | Jul. 19, 2018 |
| LISN | Rohde & Schwarz | ENV216 | 101131 | Jul. 20, 2017 | Jul. 19, 2018 |
| Radiation Emissio | on Test | | - | - | |
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Due Date |
| Spectrum Analyzer | Agilent | E4407B | MY45106456 | Jul. 20, 2017 | Jul. 19, 2018 |
| EMI Test Receiver | Rohde & Schwarz | ESPI | 100010/007 | Jul. 20, 2017 | Jul. 19, 2018 |
| Bilog Antenna | ETS-LINDGREN | 3142E | 00117537 | Mar.16, 2018 | Mar.15, 2019 |
| Bilog Antenna | ETS-LINDGREN | 3142E | 00117542 | Mar.16, 2018 | Mar.15, 2019 |
| Horn Antenna | ETS-LINDGREN | 3117 | 00143207 | Mar.16, 2018 | Mar.15, 2019 |
| Horn Antenna | ETS-LINDGREN | 3117 | 00143209 | Mar.16, 2018 | Mar.15, 2019 |
| Loop Antenna | SCHWARZBECK | FMZB 1519 B | 1519B-059 | Jul. 03, 2017 | Jul. 02, 2018 |
| Pre-amplifier | Sonoma | 310N | 185903 | Mar.17, 2018 | Mar.16, 2019 |
| Pre-amplifier | HP | 8449B | 3008A00849 | Mar.17, 2018 | Mar.16, 2019 |
| Cable | HUBER+SUHNER | 100 | SUCOFLEX | Mar.17, 2018 | Mar.16, 2019 |
| Positioning Controller | ETS-LINDGREN | 2090 | N/A | N/A | N/A |
| Antenna Conducte | ed Emission | | | | |
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Due Date |
| SpectrumAnalyzer | Agilent | E4407B | MY45106456 | Jul. 20, 2017 | Jul. 19, 2018 |
| SpectrumAnalyzer | Rohde & Schwarz | ESCI | 100010/007 | Jul. 20, 2017 | Jul. 19, 2018 |
| MXA Signal Analyzer | Agilent | N9020A | MY49100060 | Oct. 26, 2017 | Oct. 25, 2018 |
| Vector Signal Generator | Agilent | N5182A | MY50141294 | Oct. 26, 2017 | Oct. 25, 2018 |
| Analog Signal Generator | Agilent | N5181A | MY50141953 | Oct. 26, 2017 | Oct. 25, 2018 |
| | DARE !! Instruments | RadiPowerRPR3006W | 17100015SNO26 | Oct. 26, 2017 | Oct. 25, 2018 |
| | DARE!! Instruments | RadiPowerRPR3006W | 17100015SNO29 | Oct. 26, 2017 | Oct. 25, 2018 |
| RF Power Sensor | DARE!! Instruments | RadiPowerRPR3006W | 17100015SNO31 | Oct. 26, 2017 | Oct. 25, 2018 |
| | DARE!! Instruments | RadiPowerRPR3006W | 17100015SNO33 | Oct. 26, 2017 | Oct. 25, 2018 |



4. Conducted Emission Test

- 4.1 Test Standard and Limit
 - 4.1.1Test Standard FCC Part 15.207
 - 4.1.2 Test Limit

| Fraguanay | Maximum RF Line Voltage (dBμV) | |
|---------------|--------------------------------|---------------|
| Frequency | Quasi-peak Level | Average Level |
| 150kHz~500kHz | 66 ~ 56 * | 56 ~ 46 * |
| 500kHz~5MHz | 56 | 46 |
| 5MHz~30MHz | 60 | 50 |

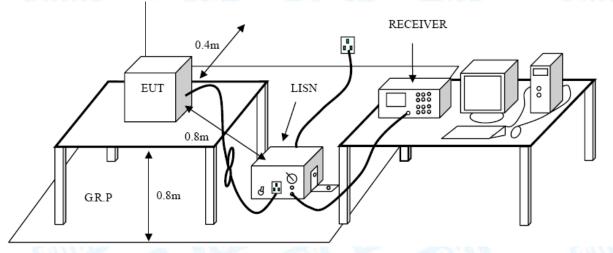
Notes:

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

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

(3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2 Test Setup



4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.



I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9 kHz, and the test frequency band is from 0.15MHz to 30MHz.

4.4 EUT Operating Mode

Please refer to the description of test mode.

4.5 Test Data

Please refer to the Attachment A.



5. Radiated Emission Test

- 5.1 Test Standard and Limit
 - 5.1.1 Test Standard
 - FCC Part 15.247(d)
 - 5.1.2 Test Limit

Radiated Emission Limits (9kHz~1000MHz)

| Frequency (MHz | Field Strength (microvolt/meter) | Measurement Distance (meters) |
|-------------------|-------------------------------------|----------------------------------|
| 0.009~0.490 | 2400/F(KHz) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| Above 960 | 500 | 3 |

Radiated Emission Limit (Above 1000MHz)

| Frequency | Distance Meters(at 3m) | |
|------------|------------------------|---------------------|
| (MHz) | Peak (dBuV/m) | Average (dBuV/m) |
| Above 1000 | 74 | 54 |

Note:

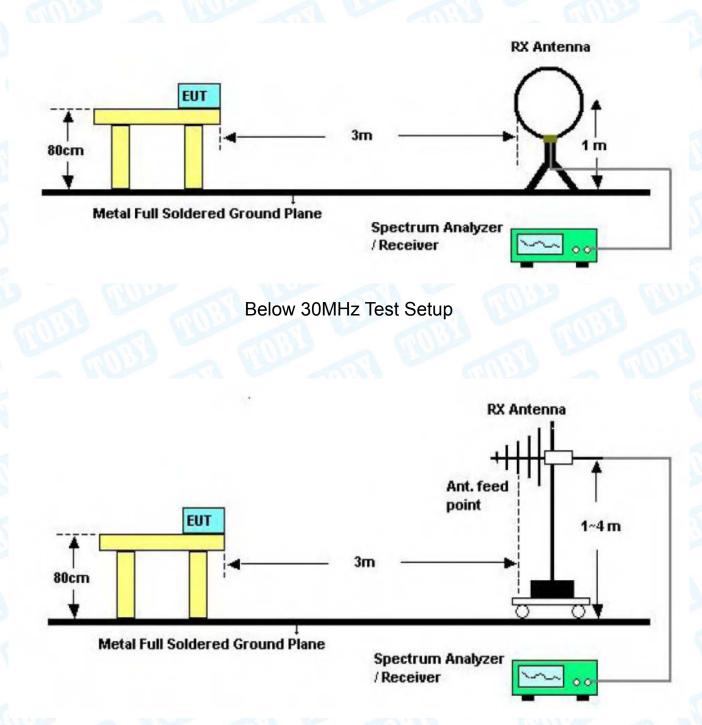
(1) The tighter limit applies at the band edges.

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



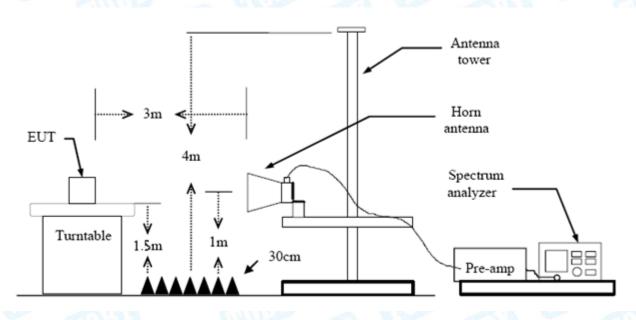
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5.2 Test Setup



Below 1000MHz Test Setup





Above 1GHz Test Setup

5.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.



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5.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

5.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Please refer to the Attachment B.

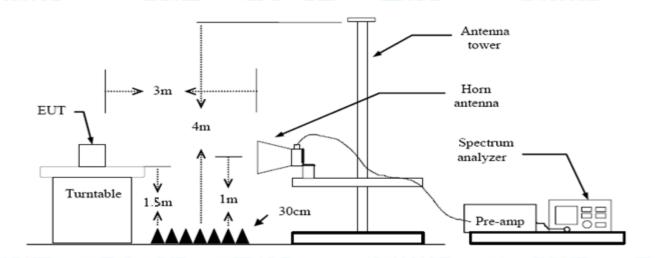


6. Restricted Bands Requirement

- 6.1 Test Standard and Limit
 - 6.1.1 Test Standard
 - FCC Part 15.247(d) FCC Part 15.205
 - 6.1.2 Test Limit

| Restricted Frequency Band (MHz) | Distance Meters(at 3m) | | |
|---------------------------------------|------------------------|---------------------|--|
| | Peak (dBuV/m) | Average (dBuV/m) | |
| 802 ~902 | 74 | 54 | |
| 928~1028 | 74 | 54 | |

6.2 Test Setup



6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector



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mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

6.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

6.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values. Please refer to the Attachment C.

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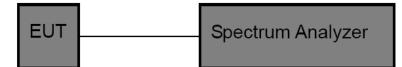


7. Bandwidth Test

- 7.1 Test Standard and Limit
 - 7.1.1 Test Standard
 - FCC Part 15.247 (a)(2)
 - 7.1.2 Test Limit

| FCC Part 15 Subpart C(15.247)/RSS-247 | | | |
|---------------------------------------|------------------------------|----------------------|--|
| Test Item | Limit | Frequency Range(MHz) | |
| Bandwidth | >=500 KHz (6dB bandwidth) | 902~928 | |

7.2 Test Setup



7.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.
- (3)Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

7.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.

7.5 Test Data

Please refer to the Attachment D.

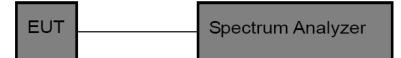


8. Peak Output Power Test

- 8.1 Test Standard and Limit
 - 8.1.1 Test Standard
 - FCC Part 15.247 (b)(3)
 - 8.1.2 Test Limit

| FCC Part 15 Subpart C(15.247)/RSS-247 | | | |
|---------------------------------------|------------------|---------|--|
| Test Item Limit Frequency Range(MH | | | |
| Peak Output Power | 1 Watt or 30 dBm | 902~928 | |

8.2 Test Setup



8.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement is according to section 9.1.1 of KDB 558074 D01 DTS Meas Guidance v04.

- (1) Set the RBW≥DTS Bandwidth
- (2) Set VBW≥3*RBW
- (3) Set Span≥3*RBW
- (4) Sweep time=auto
- (5) Detector= peak
- (6) Trace mode= maxhold.
- (7) Allow trace to fully stabilize, and then use peak marker function to determine the peak amplitude level.

8.4 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.

8.5 Test Data

Please refer to the Attachment E.

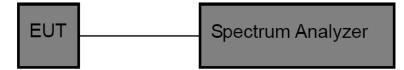


9. Power Spectral Density Test

- 9.1 Test Standard and Limit
 - 9.1.1 Test Standard
 - FCC Part 15.247 (e)
 - 9.1.2 Test Limit

| FCC Part 15 Subpart C(15.247) | | | |
|-------------------------------------|--------------------|---------|--|
| Test Item Limit Frequency Range(MHz | | | |
| Power Spectral Density | 8dBm(in any 3 kHz) | 902~928 | |

9.2 Test Setup



9.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v04.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser center frequency to DTS channel center frequency.
- (3) Set the span to 1.5 times the DTS bandwidth.
- (4) Set the RBW to: 3 kHz
- (5) Set the VBW to: 10 kHz
- (6) Detector: peak
- (7) Sweep time: auto
- (8) Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

9.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

9.5 Test Data

Please refer to the Attachment F.



10. Antenna Requirement

10.1 Standard Requirement

10.1.1 Standard

FCC Part 15.203

10.1.2 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 2.5dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

10.3 Result

The EUT antenna is a Internal Antenna. It complies with the standard requirement.

| Antenna Type | | |
|-----------------------------------|-------|--|
| Permanent attached antenna | | |
| Unique connector antenna | | |
| Professional installation antenna | a Dur | |

Attachment A-- Conducted Emission Test Data

| Temperature: | 25 ℃ | Tan | Re | lative Humid | lity: 5 | 55% | |
|---|--|--|---|---|--|--|---|
| Fest Voltage: | AC 12 | 20V/60 Hz | | | G | 261 | |
| Ferminal: | Line | | MUP | | | | 1192 |
| fest Mode: | TX M | ode 904 MHz | z | (MA) | | | |
| Remark: | Only | worse case is | s reported | | | | |
| 80.0 dBuV | i | | ĺ | | | | |
| | | | | | | OP: AVG: | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 40 | | | | | | | |
| MANANAN | h. A Jak | | | | | | |
| , AAAAAAA | Mr. MIL | M. XX | Mu. WA. | M. M. M. A. M. | | A | |
| | - VIA II 197 | APPROVED A DATE OF A DE LA DECIMIENTA | PM LLP R P A | The Manual Ann | MANA MAL | start | Murridal pea |
| Antabalaat | a. Wallatte | and the A Madaland. | White Marine M | V V V V VVV | a la mila da da | A | |
| MAMM | | 100000 And sound | Marc and Com | | MAANAA | A | AVI |
| 0.0 | | WWWWWWWWWWW | | | www.www | mmund | AVI |
| 0.0 0.150 | 0.5 | VANDAYAN YA DAMAMAYA VANDAYAN YANGA MAMAYA | (MHz) | 5 | y where | Ammedia | |
| 0.150 | | Reading | Correct | Measure- | ····· | Ammedia | With the state of |
| | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | 30.000 |
| 0.150 No. Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | dBuV | dB | 30.000 Detector |
| 0.150 No. Mk. 1 0 | Freq. MHz .1580 | Reading Level dBuV 25.17 | Correct Factor dB 9.58 | Measure- ment dBuV 34.75 | dBuV 65.56 | dB -30.81 | 30.000 Detector |
| 0.150 No. Mk. 1 0 2 0 | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | dBuV | dB -30.81 -37.76 | 30.000 Detector |
| 0.150 No. Mk. 1 0 2 0 | Freq. MHz .1580 | Reading Level dBuV 25.17 | Correct Factor dB 9.58 | Measure- ment dBuV 34.75 | dBuV 65.56 | dB -30.81 | 30.000 Detector |
| 0.150 No. Mk. 1 0 2 0 3 0 | Freq. MHz .1580 .1580 | Reading Level dBuV 25.17 8.22 | Correct Factor dB 9.58 9.58 | Measure- ment dBuV 34.75 17.80 | dBuV 65.56 55.56 | dB -30.81 -37.76 -31.55 | Detector QP AVC QP |
| 0.150 No. Mk. 1 0 2 0 3 0 4 0 | Freq. MHz .1580 .1580 .1860 | Reading Level dBuV 25.17 8.22 23.08 | Correct Factor dB 9.58 9.58 9.58 | Measure- ment dBuV 34.75 17.80 32.66 | dBuV 65.56 55.56 64.21 54.21 | dB -30.81 -37.76 -31.55 | Detector QP AVC QP |
| 0.150 No. Mk. 1 0 2 0 3 0 4 0 5 * 0 | Freq. MHz .1580 .1580 .1860 .1860 | Reading Level dBuV 25.17 8.22 23.08 7.14 | Correct Factor dB 9.58 9.58 9.58 9.58 9.58 | Measure- ment dBuV 34.75 17.80 32.66 16.72 | dBuV 65.56 55.56 64.21 54.21 56.30 | dB -30.81 -37.76 -31.55 -37.49 | Detector QP AVC QP AVC |
| 0.150 No. Mk. 1 0 2 0 3 0 4 0 5 * 0 6 0 | Freq. MHz .1580 .1580 .1860 .1860 .1860 .4820 | Reading Level dBuV 25.17 8.22 23.08 7.14 17.68 | Correct Factor dB 9.58 9.58 9.58 9.58 9.58 9.58 9.60 | Measure- ment dBuV 34.75 17.80 32.66 16.72 27.28 | dBuV 65.56 55.56 64.21 54.21 56.30 46.30 | dB -30.81 -37.76 -31.55 -37.49 -29.02 | Detector QP AVC QP AVC |
| 0.150 No. Mk. 1 0 2 0 3 0 4 0 5 * 0 6 0 7 0 | Freq. MHz .1580 .1580 .1860 .1860 .4820 .4820 | Reading Level dBuV 25.17 8.22 23.08 7.14 17.68 5.94 | Correct Factor dB 9.58 9.58 9.58 9.58 9.58 9.58 9.60 9.60 | Measure- ment dBuV 34.75 17.80 32.66 16.72 27.28 15.54 | dBuV 65.56 64.21 54.21 56.30 46.30 56.00 | dB -30.81 -37.76 -31.55 -37.49 -29.02 -30.76 | Detector QP AVC QP AVC QP AVC QP |
| 0.150 No. Mk. 1 0 2 0 3 0 4 0 5 * 0 6 0 7 0 8 0 | Freq. MHz .1580 .1580 .1860 .1860 .1860 .4820 .4820 .4820 | Reading Level dBuV 25.17 8.22 23.08 7.14 17.68 5.94 10.35 | Correct Factor dB 9.58 9.58 9.58 9.58 9.58 9.60 9.60 9.60 9.61 | Measure- ment dBuV 34.75 17.80 32.66 16.72 27.28 15.54 19.96 | dBuV 65.56 64.21 54.21 56.30 46.30 56.00 | dB -30.81 -37.76 -31.55 -37.49 -29.02 -30.76 -36.04 -33.96 | Detector QP AVC QP AVC QP AVC QP |
| 0.150 No. Mk. 1 0 2 0 3 0 4 0 5 * 0 6 0 7 0 8 0 9 0 | Freq. MHz .1580 .1580 .1860 .1860 .4820 .4820 .4820 .7460 | Reading Level dBuV 25.17 8.22 23.08 7.14 17.68 5.94 10.35 2.43 | Correct Factor dB 9.58 9.58 9.58 9.58 9.60 9.60 9.61 9.61 | Measure- ment dBuV 34.75 17.80 32.66 16.72 27.28 15.54 19.96 12.04 | dBuV 65.56 55.56 64.21 54.21 56.30 46.30 56.00 46.00 | dB -30.81 -37.76 -31.55 -37.49 -29.02 -30.76 -36.04 -33.96 | 30.000 30.000 Detector QP AVG QP AVG QP AVG QP AVG |
| 0.150 No. Mk. 1 0 2 0 3 0 4 0 5 * 0 6 0 7 0 8 0 9 0 10 0 | Freq. MHz .1580 .1580 .1860 .1860 .4820 .4820 .4820 .7460 .7460 .8580 | Reading Level dBuV 25.17 8.22 23.08 7.14 17.68 5.94 10.35 2.43 9.44 | Correct Factor dB 9.58 9.58 9.58 9.58 9.60 9.60 9.61 9.61 9.60 | Measure- ment dBuV 34.75 17.80 32.66 16.72 27.28 15.54 19.96 12.04 19.04 | dBuV 65.56 64.21 54.21 56.30 46.30 56.00 46.00 46.00 | dB -30.81 -37.76 -31.55 -37.49 -29.02 -30.76 -36.04 -33.96 -36.96 | Detector QP AVG QP AVG QP AVG QP AVG |



| Femperatu | r e: 25 ° | °C | | Relative Hu | umidity: | 55% | |
|--|--|--|---|--|--|--|--|
| Fest Voltag | e: AC | 120V/60 Hz | | 1991 | 22 | | 1 Mar |
| Ferminal: | Ne | utral | - | | a | 661 | |
| Fest Mode: | TX | Mode 904 M | 1Hz | | | 0 | |
| Remark: | On | ly worse case | e is reported | MUD | 2 | | L'US |
| 80.0 dBuV | | | | | | QP: | |
| | | | | | | AVG: | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 40 | | | | | | | |
| 144 | | | | | | | |
| - WAM | MARA ANY | | | | | | |
| | " WANNA | Milli Man | M. M. M | MANAN | | | |
| Baderd | aa Maddala | ANNAN, KULTURI IN TURI | a nh MMLa Tables . J | / V V V / V | man | ndwww.wardahar | how pe |
| — ENV 18 AAA | UAN, MARAN | 1 | | | | | · |
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| 0.0 | | | MM THE MAN PARTY CONTINUES | | www | AMMM maker | human |
| 0.0 | 0. | | (MHz) | 5 | www. | MMManusker | t l |
| 0.150 | | Reading | Correct | Measure- | Limit | WWWWWWWW | human |
| | Freq. | | | Measure- ment | Limit | | 30.000 |
| 0.150 No. Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | dB | 30.000 Detecto |
| 0.150 No. Mk. 1 | Freq. MHz 0.1700 | Reading Level dBuV 24.29 | Correct Factor dB 9.64 | Measure- ment dBuV 33.93 | Limit dBuV 64.96 | dB -31.03 | 30.000 Detecto |
| 0.150 No. Mk. 1 2 | Freq. MHz 0.1700 0.1700 | Reading Level dBuV 24.29 7.10 | Correct Factor dB 9.64 9.64 | Measure- ment dBuV 33.93 16.74 | Limit dBuV 64.96 54.96 | dB -31.03 -38.22 | 30.000 Detecto QP AV(|
| 0.150 No. Mk. 1 2 3 | Freq. MHz 0.1700 0.1700 0.1860 | Reading Level dBuV 24.29 7.10 23.05 | Correct Factor dB 9.64 9.64 9.65 | Measure- ment dBuV 33.93 16.74 32.70 | Limit dBuV 64.96 54.96 64.21 | dB -31.03 -38.22 -31.51 | 30.000 Detecto QP AV(QP |
| 0.150 No. Mk. 1 2 3 4 | Freq. MHz 0.1700 0.1700 0.1860 0.1860 | Reading Level dBuV 24.29 7.10 23.05 6.03 | Correct Factor dB 9.64 9.64 9.65 9.65 | Measure- ment dBuV 33.93 16.74 32.70 15.68 | Limit dBuV 64.96 54.96 64.21 54.21 | dB -31.03 -38.22 -31.51 -38.53 | Detecto QP AV(QP |
| 0.150 No. Mk. 1 2 3 4 5 | Freq. MHz 0.1700 0.1700 0.1860 0.1860 0.4820 | Reading Level dBuV 24.29 7.10 23.05 6.03 18.38 | Correct Factor dB 9.64 9.64 9.65 9.65 9.58 | Measure- ment dBuV 33.93 16.74 32.70 15.68 27.96 | Limit dBuV 64.96 54.96 64.21 54.21 56.30 | dB -31.03 -38.22 -31.51 -38.53 -28.34 | Detecto QP AV(QP AV(QP |
| 0.150 No. Mk. 1 2 3 4 | Freq. MHz 0.1700 0.1700 0.1860 0.1860 | Reading Level dBuV 24.29 7.10 23.05 6.03 18.38 | Correct Factor dB 9.64 9.64 9.65 9.65 | Measure- ment dBuV 33.93 16.74 32.70 15.68 27.96 | Limit dBuV 64.96 54.96 64.21 54.21 56.30 | dB -31.03 -38.22 -31.51 -38.53 | Detecto QP AV(QP AV(QP |
| 0.150 No. Mk. 1 2 3 4 5 | Freq. MHz 0.1700 0.1700 0.1860 0.1860 0.4820 | Reading Level dBuV 24.29 7.10 23.05 6.03 18.38 15.25 | Correct Factor dB 9.64 9.64 9.65 9.65 9.58 | Measure- ment dBuV 33.93 16.74 32.70 15.68 27.96 | Limit dBuV 64.96 54.96 64.21 54.21 56.30 46.30 | dB -31.03 -38.22 -31.51 -38.53 -28.34 | Detecto QP AV(QP AV(QP AV(|
| 0.150 No. Mk. 1 2 3 4 5 6 * | Freq. MHz 0.1700 0.1700 0.1860 0.1860 0.4820 0.4820 | Reading Level dBuV 24.29 7.10 23.05 6.03 18.38 15.25 12.02 | Correct Factor dB 9.64 9.64 9.65 9.65 9.58 9.58 | Measure- ment dBuV 33.93 16.74 32.70 15.68 27.96 24.83 | Limit dBuV 64.96 54.96 64.21 54.21 56.30 46.30 56.00 | dB -31.03 -38.22 -31.51 -38.53 -28.34 -21.47 | Detecto QP AV(QP AV(QP AV(QP |
| 0.150 No. Mk. 1 2 3 4 5 6 * 7 | Freq. MHz 0.1700 0.1700 0.1860 0.1860 0.4820 0.4820 0.7019 | Reading Level dBuV 24.29 7.10 23.05 6.03 18.38 15.25 12.02 -0.07 | Correct Factor dB 9.64 9.64 9.65 9.65 9.58 9.58 9.59 | Measure- ment dBuV 33.93 16.74 32.70 15.68 27.96 24.83 21.61 9.52 | Limit dBuV 64.96 54.96 64.21 54.21 56.30 46.30 56.00 46.00 | dB -31.03 -38.22 -31.51 -38.53 -28.34 -21.47 -34.39 | Detecto QP AV(QP AV(QP AV(QP AV(QP |
| 0.150 No. Mk. 1 2 3 4 5 6 * 7 8 | Freq. MHz 0.1700 0.1700 0.1860 0.1860 0.4820 0.4820 0.7019 0.7019 | Reading Level dBuV 24.29 7.10 23.05 6.03 18.38 15.25 12.02 -0.07 10.55 | Correct Factor dB 9.64 9.65 9.65 9.58 9.58 9.59 9.59 | Measure- ment dBuV 33.93 16.74 32.70 15.68 27.96 24.83 21.61 9.52 | Limit dBuV 64.96 54.96 64.21 54.21 56.30 46.30 56.00 46.00 | dB -31.03 -38.22 -31.51 -38.53 -28.34 -21.47 -34.39 -36.48 | Detecto QP AVC QP AVC QP AVC QP AVC QP |
| 0.150 No. Mk. 1 2 3 4 5 6 * 7 8 9 | Freq. MHz 0.1700 0.1700 0.1860 0.1860 0.4820 0.4820 0.7019 0.7019 1.2620 | Reading Level dBuV 24.29 7.10 23.05 6.03 18.38 15.25 12.02 -0.07 10.55 -0.77 | Correct Factor dB 9.64 9.65 9.65 9.58 9.58 9.58 9.59 9.59 9.59 9.60 | Measure- ment dBuV 33.93 16.74 32.70 15.68 27.96 24.83 21.61 9.52 20.15 | Limit dBuV 64.96 54.96 64.21 54.21 56.30 46.30 56.00 46.00 46.00 | dB -31.03 -38.22 -31.51 -38.53 -28.34 -21.47 -34.39 -36.48 -35.85 | AVC QP AVC QP AVC QP AVC QP AVC QP AVC |



| [emperature: | 25 ℃ | | | Relative Hui | midity: | 55% | |
|--|---|--|---|---|--|--|---|
| Fest Voltage: | AC 2 | 240V/60 Hz | | 117 | | | A Providence |
| Ferminal: | Line | | - | 112 | In | 660 | |
| Fest Mode: | TX M | Node 904 MH | z | | | | AR! |
| Remark: | Only | worse case i | is reported | MIP | 2.5 | 2 | 1 al |
| 80.0 dBuV | | | | | | QP: AVG: | |
| 40 MMMMMM | × × | | | | | | |
| 0.0 0.150 | | 1 ¹¹¹ 11111111111111111111111111111111 | (MHz) | 5 S | | mm | 30.000 |
| o.o | asymyddin do | 5 Reading Level | (MHz) Correct Factor | | Limit | WWWW VVVVIII Over | Warning AV |
| 0.0 0.150 | Мурину/МЦК, Ан о. | Reading | Correct | Measure- | Limit dBuV | Wywyw Vrwww Over dB | Warania AV |
| 0.0 0.150 No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | | | 30.000 |
| 0.0 0.150 No. Mk. | Freq. | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | dBuV | dB | 30.000 Detector |
| 0.0 0.150 No. Mk. 1 (0 2 (0 | Freq. MHz 0.1580 | Reading Level dBuV 21.46 | Correct Factor dB 9.58 | Measure- ment dBuV 31.04 | dBuV 65.56 | dB -34.52 -42.58 | Detector QP |
| 0.0 0.150 No. Mk. 1 (0 2 (0 3 (0) | Freq. MHz 0.1580 0.1580 | Reading Level dBuV 21.46 3.40 | Correct Factor dB 9.58 9.58 | Measure- ment dBuV 31.04 12.98 | dBuV 65.56 55.56 57.57 | dB -34.52 -42.58 | Detector QP AVG QP |
| 0.0 0.150 No. Mk. 1 2 3 4 | Freq. MHz 0.1580 0.1580 0.4140 | Reading Level dBuV 21.46 3.40 16.65 | Correct Factor dB 9.58 9.58 9.60 | Measure- ment dBuV 31.04 12.98 26.25 | dBuV 65.56 55.56 57.57 47.57 | dB -34.52 -42.58 -31.32 | Detector QP AVG QP |
| 0.0 0.150 No. Mk. 1 (0 2 (0 3 (0 4 (0 5 * (0) | Freq. MHz 0.1580 0.1580 0.4140 0.4140 | Reading Level dBuV 21.46 3.40 16.65 5.74 | Correct Factor dB 9.58 9.58 9.60 9.60 | Measure- ment dBuV 31.04 12.98 26.25 15.34 | dBuV 65.56 55.56 57.57 47.57 56.10 | dB -34.52 -42.58 -31.32 -32.23 | Detector QP AVG QP AVG QP |
| 0.0 0.150 No. Mk. 1 (0 2 (0 3 (0 4 (0 5 * (0 6 (0) | Freq. MHz 0.1580 0.1580 0.4140 0.4140 0.4940 | Reading Level dBuV 21.46 3.40 16.65 5.74 16.84 | Correct Factor dB 9.58 9.58 9.60 9.60 9.60 | Measure- ment dBuV 31.04 12.98 26.25 15.34 26.44 | dBuV 65.56 55.56 57.57 47.57 56.10 46.10 | dB -34.52 -42.58 -31.32 -32.23 -29.66 | Detector QP AVG QP AVG QP |
| No. Mk. 1 (2 (3 (4 (5 * (6 (7 (| Freq. MHz 0.1580 0.4140 0.4140 0.4940 0.4940 | Reading Level dBuV 21.46 3.40 16.65 5.74 16.84 5.64 | Correct Factor dB 9.58 9.58 9.60 9.60 9.60 9.60 | Measure- ment dBuV 31.04 12.98 26.25 15.34 26.44 15.24 | dBuV 65.56 55.56 57.57 47.57 56.10 46.10 56.00 | dB -34.52 -42.58 -31.32 -32.23 -29.66 -30.86 | Detector QP AVG QP AVG QP AVG |
| No. Mk. 1 (1) 2 (1) 3 (1) 4 (1) 5 * (1) 6 (1) 7 (2) 8 (1) 1 (1) | Freq. Freq. MHz 0.1580 0.1580 0.4140 0.4140 0.4940 0.4940 1.3580 | Reading Level dBuV 21.46 3.40 16.65 5.74 16.84 5.64 12.34 | Correct Factor dB 9.58 9.58 9.60 9.60 9.60 9.60 9.60 | Measure- ment dBuV 31.04 12.98 26.25 15.34 26.44 15.24 21.94 | dBuV 65.56 55.56 57.57 47.57 56.10 46.10 56.00 46.00 | dB -34.52 -42.58 -31.32 -32.23 -29.66 -30.86 -34.06 | Detector QP AVG QP AVG QP AVG QP |

10.82

1.00

9.66

9.66

20.48

10.66

3.3740

3.3740

11

12

QP

AVG

56.00 -35.52

46.00 -35.34



| Temperature: | 25℃ | Relative Humidity: | 55% |
|---------------|-----------------------------|---------------------------|-------|
| Fest Voltage: | AC 240V/60 Hz | RULE | |
| Terminal: | Neutral | | 139 |
| Test Mode: | TX Mode 904 MHz | | |
| Remark: | Only worse case is reported | | 2 119 |
| | | | |
| 0.0 | | | |

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|-----|--------|------------------|-------------------|------------------|-------|--------|----------|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector |
| 1 | | 0.1556 | 23.15 | 9.64 | 32.79 | 65.69 | -32.90 | QP |
| 2 | | 0.1556 | 4.58 | 9.64 | 14.22 | 55.69 | -41.47 | AVG |
| 3 | | 0.2860 | 16.51 | 9.58 | 26.09 | 60.64 | -34.55 | QP |
| 4 | | 0.2860 | 4.92 | 9.58 | 14.50 | 50.64 | -36.14 | AVG |
| 5 | | 0.4140 | 16.07 | 9.58 | 25.65 | 57.57 | -31.92 | QP |
| 6 | | 0.4140 | 9.71 | 9.58 | 19.29 | 47.57 | -28.28 | AVG |
| 7 | | 0.4900 | 17.52 | 9.58 | 27.10 | 56.17 | -29.07 | QP |
| 8 | * | 0.4900 | 14.37 | 9.58 | 23.95 | 46.17 | -22.22 | AVG |
| 9 | | 1.3340 | 9.84 | 9.60 | 19.44 | 56.00 | -36.56 | QP |
| 10 | | 1.3340 | 1.86 | 9.60 | 11.46 | 46.00 | -34.54 | AVG |
| 11 | | 2.4580 | 9.91 | 9.64 | 19.55 | 56.00 | -36.45 | QP |
| 12 | | 2.4580 | 3.05 | 9.64 | 12.69 | 46.00 | -33.31 | AVG |
| | | | | | | | | |



Attachment B-- Radiated Emission Test Data

9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB Below the permissible value has no need to be reported.

30MHz~1GHz

| Temperature: | 25℃ | | Relative Hum | aidity: | 55% | |
|----------------------------|---------------------|----------------|------------------|----------|-------------------------------|----------|
| - | AC 120/60Hz | | | nunty. | 5570 | |
| Test Voltage: Ant. Pol. | Horizontal | | AND P | | | - |
| | TX Mode 904 I | | | | | |
| Test Mode: | | | | - | | |
| Remark: | Only worse cas | se is reported | (1) (P.S.) | | N. W. S. | |
| 90.0 dBuV/m | | | | | ISC 3M Radiation Margin -6 | 5 X |
| -10 30.000 40 50 | | (MHz) | 300 | | 9//19/1 | 1000.000 |
| No. Mk. F | Readii req. Leve | | Measure- ment | Limit | Over | |
| N | MHz dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 44. | 9006 49.16 | 6 -21.66 | 27.50 | 40.00 | -12.50 | QP |
| 2 62.4 | 4314 51.31 | -23.72 | 27.59 | 40.00 | -12.41 | QP |
| 3 ! 68. | 1514 58.89 | -23.22 | 35.67 | 40.00 | -4.33 | QP |
| 4 119 | .4361 54.56 | 6 -21.85 | 32.71 | 43.50 | -10.79 | QP |
| 5 830 | .4002 39.36 | 6 -5.09 | 34.27 | 46.00 | -11.73 | QP |
| 6 * 903 | .3094 84.16 | 6 -3.63 | 80.53 | Fundamen | tal Frequency | QP |
| | | | | | | |

*:Maximum data x:Over limit !:over margin



| Temperature: | 25 ℃ | | Re | lative Humio | dity: | 55% | |
|---------------|---------------|------------------|-------------------|------------------|------------|------------------------------|--------------|
| Test Voltage: | AC 120 | /60Hz | | 199 2 | | - | The second |
| Ant. Pol. | Vertica | | - | | 117 | 132 | |
| Test Mode: | TX Mod | de 904 MHz | alle | | | - | \mathbb{Z} |
| Remark: | Only w | orse case is | reported | m l b | 2 | 2 1 | |
| 90.0 dBuV/m | | | | | | | |
| 40 | 3 2 ¥ 4 | unhaybaha A | , WMM MUL | hurren | 5 Munit | 5C 3M Radiation Margin -6 | |
| 30.000 40 50 | 60 70 | 80 | (MHz) | 300 | 400 5 | 00 600 700 | 1000.000 |
| No. Mk. F | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
| | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detecto |
| 1 45 | 2166 | 54.00 | 21.70 | 20.04 | 40.00 | 7 70 | |

| NO |). MK | . Freq. | Level | Factor | ment | LIMIL | Over | |
|----|-------|----------|-------|--------|--------|-----------|--------------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 45.2166 | 54.00 | -21.79 | 32.21 | 40.00 | -7.79 | QP |
| 2 | | 63.0916 | 55.13 | -23.66 | 31.47 | 40.00 | -8.53 | QP |
| 3 | ļ | 68.1514 | 59.20 | -23.22 | 35.98 | 40.00 | -4.02 | QP |
| 4 | | 167.8243 | 51.72 | -20.28 | 31.44 | 43.50 | -12.06 | QP |
| 5 | | 492.4685 | 45.48 | -10.80 | 34.68 | 46.00 | -11.32 | QP |
| 6 | * | 903.3094 | 84.14 | -3.63 | 80.51 | Fundament | al Frequency | QP |
| | | | | | | | | |

^{*:}Maximum data x:Over limit !:over margin

TOBY

Above 1GHz

| emp | perature: | 25 ℃ | | | Relative | Humidity: | 55% | | | | |
|-------|----------------|-------------|---------------------------|------------|------------|--------------|--------------------|--|--|--|--|
| est | Voltage: | AC 120 | /60Hz | | | | | | | | |
| nt. | Pol. | Horizor | ntal | 1155 | 55 | | | | | | |
| est | Mode: | TX Mod | de 904 Mi | Ηz | -01 | 88 | | | | | |
| lem | ark: | | ort for the bed limit. | emission | which more | than 10 dB | an 10 dB below the | | | | |
| 100.0 | dBu¥/m | | | | | | | | | | |
| _ | | | | | | | | | | | |
| | | | | | | (RF) FCC | PART 15C (PEAK) | | | | |
| | | | | | | | PART 15C (AVG) | | | | |
| 50 | 1 X | | | | | (NF) FCL | PART ISC (AVG) | | | | |
| | 2 X | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | |
| 100 | 00.000 1900.00 | 2800.00 3 | 700.00 460 | 0.00 5500. | DO 6400.00 | 7300.00 8200 | .00 10000.00 | | | | |

| No | . Mk. | Freq. | | | Measure- ment | Limit | Over | |
|----|-------|----------|-------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 1807.364 | 52.96 | -3.37 | 49.59 | 74.00 | -24.41 | peak |
| 2 | * | 1808.052 | 45.13 | -3.37 | 41.76 | 54.00 | -12.24 | AVG |



| empera | ture: | 25 ℃ | | Relative Humid | ity: 55% | | | | | |
|------------------------|-------------|-------------|-----------------------------------|----------------|--------------------------|--|--|------------------------------|----------------------|--|
| est Volt | age: | AC 120 | /60Hz | AUD - | | | | | | |
| nt. Pol. | | Vertical | | | Can se | | | | | |
| est Mod | le: | TX Mod | n which more than 10 dB below the | | | | | | | |
| Remark: No re | | | | | | | | rt for the emis ed limit. | sion which more than | |
| 100.0 dBu ³ | //m | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | (RF) FCC PART 15C (PEAK) | | | | | |
| | | | | | | | | | | |
| | 1 | | | | (RF) FCC PART 15C (AVG) | | | | | |
| 50 | x 2 X | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 0.0 | | | | | | | | | | |

| No | . Mk. | Freq. | | | Measure- ment | Limit | Over | |
|----|-------|----------|-------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 1807.680 | 53.19 | -3.37 | 49.82 | 74.00 | -24.18 | peak |
| 2 | * | 1808.052 | 45.18 | -3.37 | 41.81 | 54.00 | -12.19 | AVG |



| Temperature: | 25 ℃ | Relative Humidity:55% | | | | | | | |
|---------------|---|--|--|--|--|--|--|--|--|
| Fest Voltage: | AC 120/60Hz | | | | | | | | |
| Ant. Pol. | Horizontal | any any | | | | | | | |
| Test Mode: | TX Mode 911 MHz | | | | | | | | |
| Remark: | No report for the emi prescribed limit. | No report for the emission which more than 10 dB below the prescribed limit. | | | | | | | |
| 100.0 dBuV/m | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | (RF) FCC PART 15C (PEAK) | | | | | | | |
| | | | | | | | | | |
| | | (RF) FCC PART 15C (AVG) | | | | | | | |
| 50 | | | | | | | | | |
| 1 X | | | | | | | | | |
| 2 | | | | | | | | | |
| × | | | | | | | | | |
| | | | | | | | | | |
| 0.0 | | | | | | | | | |

| No | . Mk. | Freq. | | | Measure- ment | Limit | Over | |
|----|-------|----------|-------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 1821.000 | 41.72 | -3.36 | 38.36 | 74.00 | -35.64 | peak |
| 2 | * | 1821.000 | 31.58 | -3.36 | 28.22 | 54.00 | -25.78 | AVG |



| ſempe | erature: | 25 ℃ | | Relative | Humidity: | 55% |
|--------|-------------|-------------|------------------------------|-------------------|--------------|-----------------|
| lest V | oltage: | AC 12 | 0/60Hz | | UP | |
| Ant. P | ol. | Vertica | | | GU | 139 |
| lest M | lode: | TX Mo | de 911 MHz | | 30 | and a |
| Remai | 'k: | | ort for the em bed limit. | ission which more | e than 10 dB | below the |
| 100.0 | dBu∀/m | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | (RF) FCC | PART 15C (PEAK) |
| | | | | | | |
| | | | | | (RF) FC | PART 15C (AVG) |
| 50 | 2 | | | | | |
| | x | | | | | |
| | 1 × | | | | | |
| | | | | | | |
| | | | | | | |
| 0.0 | | | | | | |
| | 000 1900.00 | 2800.00 | 3700.00 4600.00 | 5500.00 6400.00 | 7300.00 8200 | .00 10000.00 k |

| No | . Mk. | Freq. | | | Measure- ment | Limit | Over | |
|----|-------|----------|-------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 1821.632 | 31.58 | -3.36 | 28.22 | 54.00 | -25.78 | AVG |
| 2 | | 1821.860 | 46.47 | -3.36 | 43.11 | 74.00 | -30.89 | peak |



| Cemperature: | 25℃ | | Relative Humid | i ty: 55% |
|---------------|------------|------------------|---|------------------------|
| Fest Voltage: | AC 120 | /60Hz | ALL | |
| Ant. Pol. | Horizor | ital | | |
| Fest Mode: | TX Mod | le 920 MHz | | |
| Remark: | | ort for the emis | sion which more than 10 |) dB below the |
| 100.0 dBuV/m | | | | |
| | | | | |
| | | | | |
| | | | (R | F) FCC PART 15C (PEAK) |
| | | | | |
| | | | (i | RF) FCC PART 15C (AVG) |
| 502 | | | | |
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| 1 | | | | |
| × | | | | |
| | | | | |
| | | | | |
| 0.0 | | | | |

| N | lo. Mk | . Freq. | Reading Level | | Measure- ment | Limit | Over | |
|---|--------|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 1839.210 | 31.35 | -3.36 | 27.99 | 54.00 | -26.01 | AVG |
| 2 | | 1840.144 | 46.14 | -3.36 | 42.78 | 74.00 | -31.22 | peak |



| Tem | perature: | 25 ℃ | Relative Humidity: 55% | | | | | | |
|-------|-----------|--|--|--|--|--|--|--|--|
| Test | Voltage: | AC 120/60Hz | | | | | | | |
| Ant. | Pol. | Vertical | any any | | | | | | |
| Test | Mode: | TX Mode 920 MHz | | | | | | | |
| Rem | ark: | No report for the en prescribed limit. | No report for the emission which more than 10 dB below the prescribed limit. | | | | | | |
| 100.0 | dBuV/m | | | | | | | | |
| [| | | | | | | | | |
| | | | | | | | | | |
| | | | (RF) FCC PART 15C (PEAK) | | | | | | |
| | | | | | | | | | |
| | | | (RF) FCC PART 15C (AVG) | | | | | | |
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| | 2 X | | | | | | | | |
| | 1 | | | | | | | | |
| | × | | | | | | | | |
| | | | | | | | | | |
| 0.0 | | | | | | | | | |

| N | o. M | lk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|---|------|-----|---------|------------------|-------|------------------|--------|--------|----------|
| | | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 1 | 839.948 | 31.34 | -3.36 | 27.98 | 54.00 | -26.02 | AVG |
| 2 | | 1 | 840.286 | 45.53 | -3.36 | 42.17 | 74.00 | -31.83 | peak |



Attachment C-- Restricted Bands Requirement Test Data

| Temperatu | re: 25℃ | | | Relative Hur | nidity: | 55% | |
|--------------|-------------|------------|-------------|--------------|--------------|----------------|--|
| Test Voltag | je: AC 120 |)/60Hz | | | aU | | 5 |
| Ant. Pol. | Horizo | ntal | | - AL | | 19 - | SV2 |
| Test Mode | : TX Mo | de 904 MHz | | | - | | |
| Remark: | N/A | | and | | AT A PARTY | | |
| 100.0 dBuV/m | | | | | | | |
| | | | | | | × 3 | |
| | | | | | | ŇΛ | |
| | | | | | (RF) FCC I | PART 15C (PEAK |) |
| | | | | | | | |
| | | | | | (RF) FCC | PART 15C (AVG |] |
| 50 | | | | | | | |
| | | | | | | | <u>д </u> |
| | | | | | | × | + |
| | | - | | and marked | man, | 2 | |
| | | | | | | | |
| 0.0 | | | | | | | |
| 885.800 88 | 7.80 889.80 | 891.80 893 | 3.80 895.80 | D 897.80 (| 899.80 901.8 | 40 91 | 05.80 |
| | | | | | | | |
| | | Reading | Correct | Measure | | | |
| No. Mk. | Freq. | Level | Factor | ment | Limit | Over | |
| | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Dete |
| 1 | 902.0000 | 34.51 | -3.65 | 30.86 | 74.00 | -43.14 | pe |
| 2 | 902.0000 | 24.48 | -3.65 | 20.83 | 54.00 | -33.17 | A١ |
| 3 * | 903.7600 | 91.85 | -3.63 | 88.22 | Fundamental | Frequency | A١ |
| 0 | 000.1000 | 01.00 | 0.00 | 00.22 | | | |



| emperature: | 25 ℃ | | Relative Humidity | : 55% |
|--------------------|-------------|---|----------------------|-------------------------|
| est Voltage: | AC 120 | /60Hz | AUP - | |
| Ant. Pol. | Vertical | | | Can 13 S |
| est Mode: | TX Mod | le 904 MHz | | |
| Remark: | N/A | | adim - | |
| 100.0 dBuV/m | 1 | | | 3 |
| | | | | × 4 |
| | | | | Λ.Ϋ́ |
| | | | (| RF) FCC PART 15C (PEAK) |
| | | | | |
| | | | | |
| | | | | (RF) FCC PART 15C (AVG) |
| 50 | | | | |
| | | | | n n |
| | | | | |
| | | | | m X |
| | | And the second | | |
| | | | | |
| 0.0 885.400 887.40 | 889.40 | 891.40 893.40 | 895.40 897.40 899.40 | 901.40 905.40 |

| No | . Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|----|------|----------|------------------|-------------------|------------------|-------------|-----------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 902.0000 | 34.46 | -3.65 | 30.81 | Fundamental | Freauencv | peak |
| 2 | | 902.0000 | 26.14 | -3.65 | 22.49 | Fundamental | Frequency | AVG |
| 3 | Х | 904.2600 | 101.42 | -3.63 | 97.79 | 74.00 | 23.79 | peak |
| 4 | * | 904.2600 | 93.61 | -3.63 | 89.98 | 54.00 | 35.98 | AVG |
| | | | | | | | | |



| Tem | peratu | re: | 25 ℃ | | | | Relativ | e Humidity: | 55% | 65 | |
|--------|----------|-----------|-------------|---------|--|-----------|---------|----------------|---------------|--------|-------|
| Test | Voltag | je: | AC | 120/60 | lz | | | NULLE A | - | V | 20 |
| Ant. | Pol. | | Hori | zontal | 100 | - | 1.12 | 61 | 200 | | |
| Test | Mode | : | TX | Node 92 | 20 MH: | z | | | - | 62 | |
| Rem | nark: | | N/A | 60 | 8.8 | | 1100 | 00 | | 1 yes | |
| 100.0 | dBuV/m | 2 | | | | | | | | | |
| - | 1 | × ^ | | | | | | | | | |
| - | | 4 | | | | | | (RF) FC | C PART 15C (P | EAK) | |
| - | | | | | | | | | | | |
| 50 | | | | | | | | (RF) F | CC PART 15C | AVG) | _ |
| | | m | | | | | | | | | |
| r | m | \square | ۹ | | | 3 × | | | | | _ |
| - | | | Y. | ~~~ | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 4 **** | | man management | | | - |
| 0.0 | | | | | | | | | | | |
| 91 | 8.200 92 | 0.20 9 | 922.20 | 924.20 | 926.2 | 0 928.20 | 930.20 | 932.20 934 | .20 | 938.20 | MHz |
| | | | | Read | ing | Correct | Measu | | | | |
| N | o. Mk | Fre | eq. | Leve | el | Factor | ment | Limit | Over | | |
| | | MH | lz | dBu | V | dB/m | dBuV/r | n dBuV/n | n dB | Dete | ector |
| 1 | * | 919.7 | 600 | 93.0 | 2 | -3.44 | 89.58 | Fundamen | tal Frequenc | y A' | VG |
| | Х | 920.2 | 400 | 100.4 | 43 | -3.44 | 96.99 | Fundamen | tal Frequenc | ev pe | eak |
| 2 | | 020.2 | 100 | | | | | | | | |
| 2 3 | | 928.0 | | 31.6 | 51 | -3.39 | 28.22 | 2 74.00 | -45.7 | 8 pe | eak |



| Tompor | oturo | 25 ℃ | | | Polotivo | Llum | aidituu | 55% | - | |
|----------|------------|-------------|------------------|-----------------------|----------|-------|------------|---------------|--------|----------|
| Temper | | | | | Relative | e num | naity: | 55% | | |
| Test Vo | | | 20/60Hz | 0.0 | - | 1111 | | | | |
| Ant. Po | | Vertic | | | 2.1 | | 5 | 102 | | <u>.</u> |
| Test Mo | ode: | TX M | ode 920 MH | z | | | | - 6 | | |
| Remark | (: | N/A | all | | | 115 | 2 | | 200 | |
| 100.0 dB | uV/m 2 | | | | | | | | | - |
| 50 | | h | | 3 3 × 4 × | | | | PART 15C (PEA | | |
| 0.0 | | | | | | | | | | |
| 918.200 | 920.20 | 922.20 | 924.20 926 | 20 928.20 |) 930.20 |) 9: | 32.20 934. | 20 | 938.20 | MHz |
| No. | Mk. | Freq. | Reading Level | Correct Factor | | | Limit | Over | | |
| | | MHz | dBuV | dB/m | dBu | V/m | dBuV/n | n dB | Dete | ctor |
| 1 * | 919 | 9.7600 | 93.02 | -3.44 | 89 | .58 | Fundament | al Frequency | A٧ | /G |
| 2) | X 920 | 0.2400 | 100.43 | -3.44 | 96. | .99 | Fundament | al Frequency | pe | ak |
| 3 | 928 | B.0000 | 31.61 | -3.39 | 28 | .22 | 74.00 | -45.78 | pe | ak |

23.35

-3.39

19.96

54.00

928.0000

4

AVG

-34.04



(2) Conducted Test

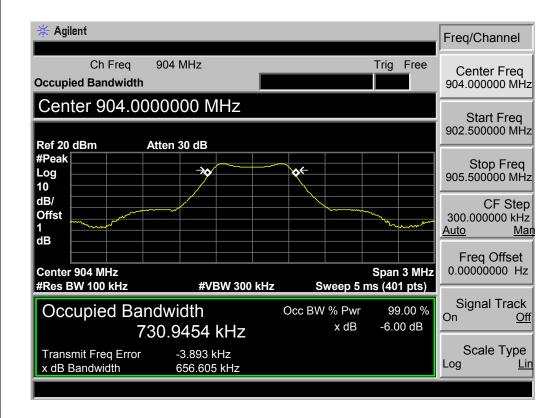
| erature | : | 25° ℃ | | | | F | elative | e Hum | hidity | : 55% | 6 |
|---|---|--|---|---|--|--------------|-----------|--|--|---|---|
| Voltage: | | AC 120/60Hz | | | | | | ank | 19 | | |
| Mode: | | TX Mode 904 MHz / TX Mode 920 MHz | | | | | | | | | |
| ark: | | The B | EUT is | s prog | gramed | in cor | ntinuou | sly tra | insmit | ting mo | ode |
| 🔆 Agi | lent | | | | | | | | | D.4 la | |
| | | | Mkr1 903.75 MHz | | | | Marker | | | | |
| Ref 20 Peak | dBm | | Atten 3 | 0 dB | | | | 9.74 | 4 dBm | | Marker |
| Log | | | | | | | | | | <u>1 2</u> | <u>3 4</u> |
| 10 dB/ | | | | | | | | | | | Normal |
| Offst | Mar | | | 41.1 | | | | | | | |
| dB | | .7500 | | 1HZ | | | | | | | Delta |
| DI -10.3 | 9.7 | 44 dE | | ~~~~ ~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | •••••••• | | ¢ | \$h | | Deita |
| dBm | | | | | | | | | | | elta Pair |
| | | | | | | | | | | (Trac Ref | king Ref) <u>Delta</u> |
| | 858 M | | | | W 200 LH | - | | Span 1 | | 0 | pan Pair |
| #Res E Marke | | race | Туре | #VB | W 300 kH X Axi | s | eep 10.36 | Amplit | ude | Span | <u>Center</u> |
| 1 | | (1) (1) (1) | Freq Freq | | 903.75 N 902.00 N | /Hz | | 9.744 d -47.46 d | Bm | | |
| 3 | | (1) | Freq | | 888.00 N | /Hz | | -47.73 d | Bm | | Off |
| | | | | | | | | | | | Oli |
| | | | | | | | | | | | |
| | | | | | | | | | | | More 1 of 2 |
| | | | | | | | | | | | More |
| | | | | | | | | | | | More |
| × Agi | lent | | | | | | | | | | More |
| | | | Atten 3 | 0 dB | | | Mk | r1 919. | 75 MHz | | More 1 of 2 |
| Ref 20 Peak | dBm | | Atten 3 | 0 dB | | | Mk | r1 919. | | | More 1 of 2 |
| Ref 20 | | | Atten 3 | 0 dB | | | Mk | r1 919. | 75 MHz | Select | More 1 of 2 rker Marker |
| Ref 20 Peak Log 10 dB/ | dBm | | Atten 3 | 0 dB | | | Mk | r1 919. | 75 MHz | Select | More 1 of 2 rker Marker |
| Ref 20 Peak Log 10 dB/ Offst 1 | dBm ↓ Mar | ker | | | | | Mk | r1 919. | 75 MHz | Select | More 1 of 2 Irker Marker <u>3 4</u> |
| Ref 20 Peak Log 10 dB/ Offst 1 dB | dBm ⇒ Mar 919 | ker .7500 | 000 N | | | | Mk | r1 919. | 75 MHz | Select | More 1 of 2 Irker Marker <u>3 4</u> |
| Ref 20 Peak Log 10 dB/ Offst 1 dB DI -10.5 | dBm ⇒ Mar 919 | ker | 000 N | | | | Mk | r1 919. | 75 MHz | Select <u>1</u> 2 | More 1 of 2 rker Marker <u>3 4</u> Normal Delta |
| Ref 20 Peak Log 10 dB/ Offst 1 dB DI | dBm ⇒ Mar 919 | ker .7500 | 000 N | | | | Mk | r1 919. | 75 MHz | Select <u>1</u> 2 | More 1 of 2 rker Marker $\underline{3}$ $\underline{4}$ Normal Delta elta Pair |
| Ref 20 Peak Log 10 dB/ Offst 1 dB DI -10.5 dBm | dBm ♪ Mar 919 9,5 | ker .7500 47 dE | 000 N | | | | Mk | r1 919. 9.54 | 75 MHz 7 dBm | Select <u>1</u> 2 D (Trac Ref | More 1 of 2 rker Marker <u>3 4</u> Normal Delta |
| Ref 20 Peak Log 10 dB/ Offst 1 dB DI -10.5 dBm Center | dBm ⇒ Mar 919 | ker .7500 4⁄7 dE | 000 N | 1Hz | → → → ₩ 300 kH | | Mk | r1 919. 9.54 | 75 MHz 7 dBm 00 MHz | Select <u>1</u> 2 D (Trac Ref | More 1 of 2 rker <u>3 4</u> Normal Delta elta Pair cking Ref) <u>Delta</u> pan Pair |
| Ref 20 Peak Log 10 dB/ Offst 1 dB DI -10.5 dBm Center #Res E | dBm → Mar 919 9,5 - 966.5 3W 100 ar | ker .7500 47 dE MHz kHz race | 000 M 3m _{Type} | 1Hz | W 300 kH X Axia | z Sw | | rr1 919. 9.54 | 75 MHz 7 dBm 00 MHz 1 pts) ude | Select <u>1</u> 2 D (Trac Ref | More 1 of 2 Irker Marker <u>3 4</u> Normal Delta Lelta Pair cking Ref) <u>Delta</u> |
| Ref 20 Peak Log 10 dB/ Offst 1 dB DI -10.5 dBm Center #Res E Marke 1 2 | dBm | ker .7500 47 dE MHz kHz ^{race} (1) (1) | 000 M 3m ^{Type} ^{Freq} Freq | 1Hz | W 300 kH X Axii 919.75 M 928.00 M | z Sw SAHz | | r1 919. 9.54 5 Span 1 6 ms (40 9.547 d -46.91 d | 75 MHz 7 dBm 00 MHz 1 pts) ude Bm Bm | Select <u>1</u> 2 D (Trac Ref | More 1 of 2 rker Marker <u>3 4</u> Normal Delta elta Pair cking Ref) <u>Delta</u> pan Pair <u>Center</u> |
| Ref 20 Peak Log 10 dB/ Offst 1 dB DI -10.5 dBm Center #Res E | dBm | ker .7500 47 dE MHz kHz race | 000 N 3m _{Type} _{Freq} | 1Hz | W 300 kH X Axis 919.75 M | z Sw SAHz | | r1 919. 9.54 9.54 5 ms (40 9.547 0 5 ms (40 | 75 MHz 7 dBm 00 MHz 1 pts) ude Bm Bm | Select <u>1</u> 2 D (Trac Ref | More 1 of 2 rker <u>3 4</u> Normal Delta elta Pair cking Ref) <u>Delta</u> pan Pair |
| Ref 20 Peak Log 10 dB/ Offst 1 dB DI -10.5 dBm Center #Res E Marke 1 2 | dBm | ker .7500 47 dE MHz kHz ^{race} (1) (1) | 000 M 3m ^{Type} ^{Freq} Freq | 1Hz | W 300 kH X Axii 919.75 M 928.00 M | z Sw SAHz | | r1 919. 9.54 5 Span 1 6 ms (40 9.547 d -46.91 d | 75 MHz 7 dBm 00 MHz 1 pts) ude Bm Bm | Select <u>1</u> 2 D (Trac Ref | More 1 of 2 rker Marker <u>3 4</u> Normal Delta elta Pair cking Ref) <u>Delta</u> pan Pair <u>Center</u> |

Attachment D-- Bandwidth Test Data

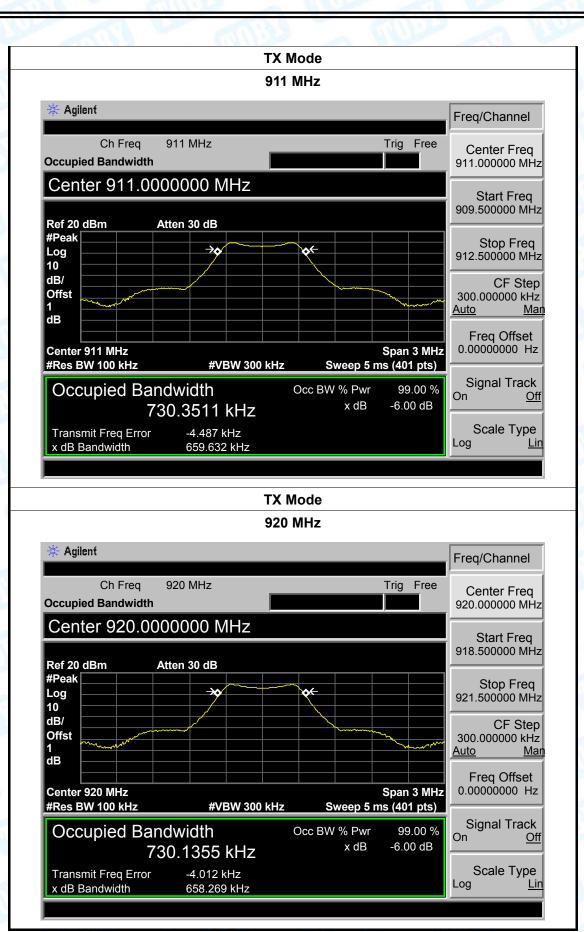
TOBY

| Temperature: 25°C | | | Relative Humidity: | 55% | | | |
|-------------------|------|-----------------------------|--------------------|-------|--|--|--|
| Test Voltage: | AC 1 | AC 120/60Hz | | | | | |
| Test Mode: | TX N | lode | | | | | |
| Channel frequency | | 6dB Bandwidth 99% Bandwidth | | Limit | | | |
| (MHz) | | (kHz) | (kHz) | (kHz) | | | |
| 904 911 920 | | 656.605 | 730.9454 | | | | |
| | | 659.632 | 730.3511 | >=500 | | | |
| | | 658.269 | 730.1355 | | | | |
| | | TX M | lode | | | | |





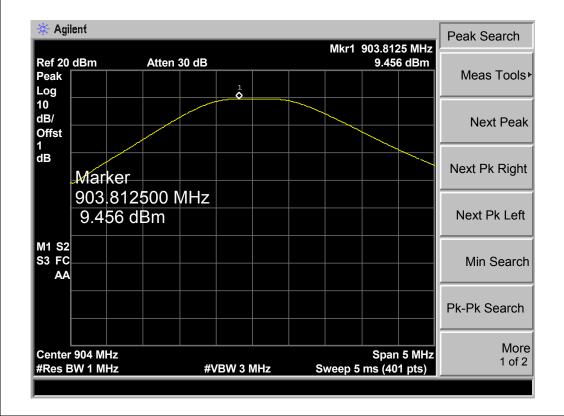




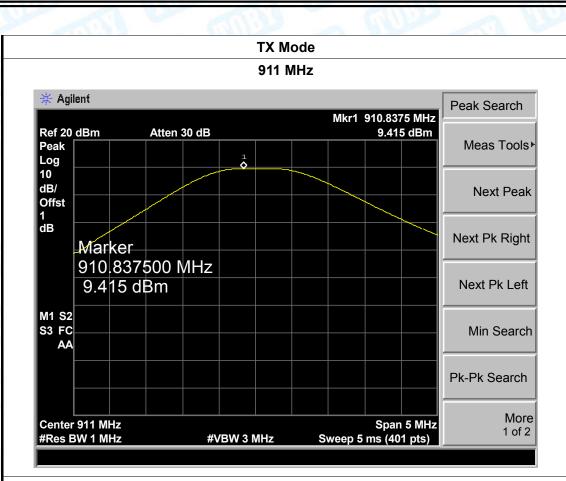
Attachment E-- Peak Output Power Test Data

TOBY

| Temperature: | 25 ℃ | Relative Hu | nidity: | 55% | | | |
|-----------------|-------------|-------------------|---------|-------------|--|--|--|
| Test Voltage: | AC 120/60 | AC 120/60Hz | | | | | |
| Test Mode: | TX Mode | TUP - | | | | | |
| Channel frequer | ncy (MHz) | Test Result (dBm) | | Limit (dBm) | | | |
| 904 | | 9.456 | | | | | |
| 911 | | 9.415 | | 30 | | | |
| 920 | | 9.026 | | | | | |
| | | TX Mode | | | | | |
| | | 904 MHz | | | | | |

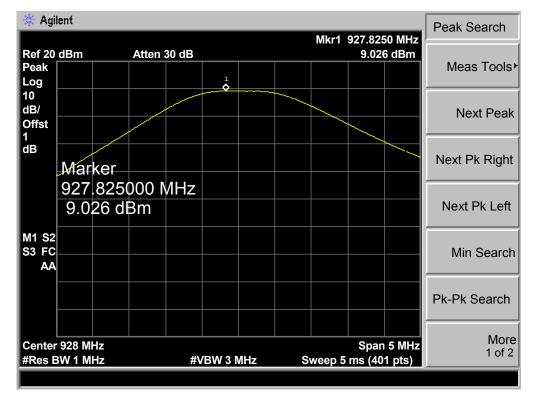






TX Mode

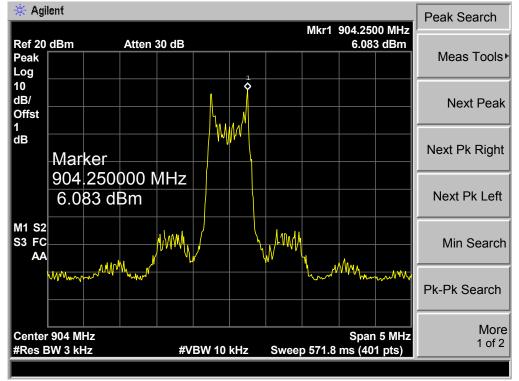
928 MHz



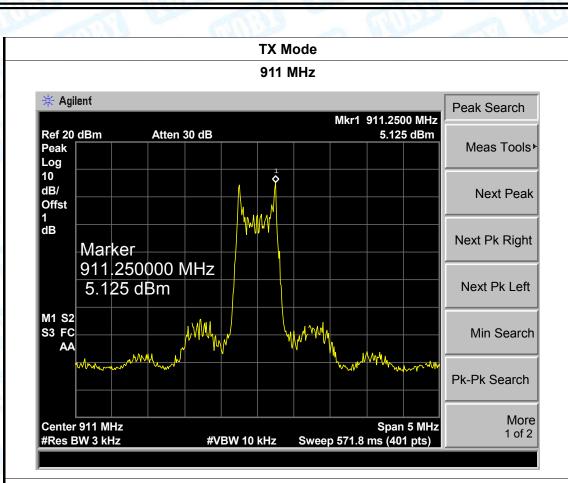
Attachment F-- Power Spectral Density Test Data

TOBY

| Temperature:25℃ | | Relativ | 55% | | |
|-------------------|----------|---|------|-------|--------|
| Test Voltage: | AC 120/6 | OHz | | 232 | |
| Test Mode: | TX Mode | The second se | | | 100 |
| Channel Frequency | | Power Density | Lim | nit | Result |
| (MHz) | | (dBm) | (dBi | (dBm) | |
| 904 | | 6.083 | | | |
| 911 | | 5.125 | 8 | 8 | |
| 920 | | 4.741 | | | |
| | | TX Mode | k | | |
| | | 904 MHz | | | |

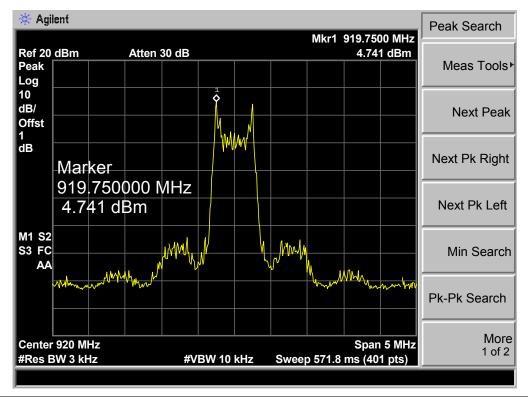






TX Mode





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