

FCC Radio Test Report FCC ID:RWO-RZ010155

This report concerns (check one): ⊠Original Grant □Class II Change

Project No. : 1507C178 Equipment : Gaming Mouse Equipment
Model Name : RZ01-0155 Applicant : Razer Inc.

Address : 9 Pasteur, Suite 100 Irvine, California 92618, United

States

Date of Receipt : Jul. 16, 2015

Date of Test : Jul. 16, 2015 ~ Jul. 24, 2015 Issued Date : Jul. 27, 2015 Tested by : BTL Inc.

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Declaration

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Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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REPORT ISSUED HISTORY

| Issued No. | Description | Issued Date |
|---------------------|-----------------|---------------|
| BTL-FCCP-1-1507C178 | Original Issue. | Jul. 27, 2015 |

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1. CERTIFICATION

Equipment : Gaming Mouse

Brand Name: RAZER
Model Name: RZ01-0155
Applicant: Razer Inc.
Manufacturer: Razer Inc.

Address : 9 Pasteur, Suite 100 Irvine, California 92618, United States

Date of Test : Jul. 16, 2015 ~ Jul. 24, 2015 Test Sample : ENGINEERING SAMPLE

Standard(s) : FCC Part15, Subpart C :2014 (15.247) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1507C178) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

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2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| Applied Standard(s): Fo | CC Part15 (15.247) , Sub | part C: 2014 | |
|-------------------------|--|--------------|--------|
| Standard(s) Section | Test Item | Judgment | Remark |
| 15.207 | Conducted Emission | PASS | |
| 15.247(d) | Antenna conducted Spurious Emission | PASS | |
| 15.247(a)(2) | 6dB Bandwidth | PASS | |
| 15.247(b)(3) | Peak Output Power | PASS | |
| 15.247(e) | Power Spectral Density | PASS | |
| 15.203 | Antenna Requirement | PASS | |
| 15.209/15.205 | Transmitter Radiated Emissions | PASS | |

NOTE:

- (1)" N/A" denotes test is not applicable to this device.
- (2) The test follows FCC KDB Publication No. 558074 D01 DTS Meas Guidance v03r03 (Measurement Guidelines of DTS)

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2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China. BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cisor} requirement.

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

A. Conducted Measurement:

| Test Site | Method | Measurement Frequency Range | U,(dB) | Note |
|-----------|--------|-----------------------------|--------|------|
| DG-C02 | CISPR | 150 KHz ~ 30MHz | 2.32 | |

B. Radiated Measurement:

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U,(dB) | Note |
|-----------|--------|--------------------------------|---------------|--------|------|
| | | 9KHz~30MHz | V | 3.79 | |
| | | 9KHz~30MHz | Ι | 3.57 | |
| | | 30MHz ~ 200MHz | V | 3.82 | |
| | | 30MHz ~ 200MHz | Ι | 3.60 | |
| DG-CB03 | CISPR | 200MHz ~ 1,000MHz | V | 3.86 | |
| DG-CB03 | CISER | 200MHz ~ 1,000MHz | Ι | 3.94 | |
| | | 1GHz~18GHz | V | 3.12 | |
| | | 1GHz~18GHz | Ι | 3.68 | |
| | | 18GHz~40GHz | V | 4.15 | |
| | | 18GHz~40GHz | Ι | 4.14 | |

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

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3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| Equipment | Gaming Mouse | | | |
|---------------------|--|-------------------|--|--|
| Brand Name | RAZER | RAZER | | |
| Model Name | RZ01-0155 | | | |
| Model Difference | N/A | | | |
| | Operation Frequency | 2402~2480 MHz | | |
| Product Description | Modulation Technology | GFSK(1Mbps) | | |
| 1 Toddot Boodingson | Bit Rate of Transmitter | GI GIK(TWIDDS) | | |
| | Output Power (Max.) | -0.77 dBm (1Mbps) | | |
| Power Source | Supplied from USB port. Supplied from 2*AA battery. | | | |
| Power Rating | 1) DC 5V 2) DC 3V | | | |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user'smanual.

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2.

| Channel List | | | |
|--------------|--------------------|---------|--------------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 00 | 2402 | 20 | 2442 |
| 01 | 2404 | 21 | 2444 |
| 02 | 2406 | 22 | 2446 |
| 03 | 2408 | 23 | 2448 |
| 04 | 2410 | 24 | 2450 |
| 05 | 2412 | 25 | 2452 |
| 06 | 2414 | 26 | 2454 |
| 07 | 2416 | 27 | 2456 |
| 08 | 2418 | 28 | 2458 |
| 09 | 2420 | 29 | 2460 |
| 10 | 2422 | 30 | 2462 |
| 11 | 2424 | 31 | 2464 |
| 12 | 2426 | 32 | 2466 |
| 13 | 2428 | 33 | 2468 |
| 14 | 2430 | 34 | 2470 |
| 15 | 2432 | 35 | 2472 |
| 16 | 2434 | 36 | 2474 |
| 17 | 2436 | 37 | 2476 |
| 18 | 2438 | 38 | 2478 |
| 19 | 2440 | 39 | 2480 |

3. Table for Filed Antenna

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) | Note |
|------|---------------------------|------------------------|--------------|-----------|------------|------|
| 1 | ACX Advanced Ceramic X | AT3216-B2R 7HAAT/LF | Chip | N/A | 0.50 | |

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3.2 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 | TX Mode NOTE (1) |
| Mode 2 | TX Mode |

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

| | For Conducted Test |
|-----------------|--------------------|
| Final Test Mode | Description |
| Mode 2 | TX Mode |

| | For Radiated Test |
|-----------------|-------------------------|
| Final Test Mode | Description |
| Mode 1 | TX Mode NOTE (1) |

Note:

- (1) The measurements are performed at the high, middle, low available channels.
- (2) The EUT is considered a portable unit, it was pre-tested on the positioned of each 3 axis. 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

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3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

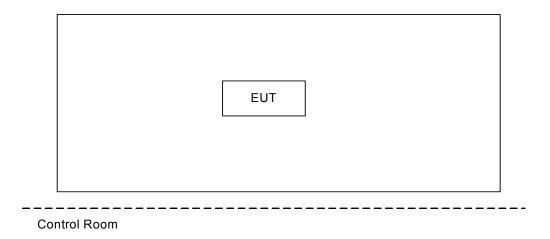
During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final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

| Test Software Version | NA | | |
|-----------------------|------|------|------|
| Frequency (MHz) | 2402 | 2440 | 2480 |
| BT LE | NA | NA | NA |

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3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Mfr/Brand | Model/Type No. | FCC ID/IC | Series No. | Note |
|------|-----------|-----------|----------------|-----------|------------|------|
| - | - | - | - | - | - | - |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|------|
| - | - | - | - | - |

Note:

(1) For detachable type I/O cable should be specified the length in m in <code>"Length_"</code> column.

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4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

| Frequency of Emission (MHz) | Conducted Limit (dBµV) | |
|-----------------------------|------------------------|-----------|
| | Quasi-peak | Average |
| 0.15 -0.5 | 66 to 56* | 56 to 46* |
| 0.50 -5.0 | 56 | 46 |
| 5.0 -30.0 | 60 | 50 |

Note:

- (1) The limit of " * " decreases with the logarithm of the frequency
- (2) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use) Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

| Receiver Parameters | Setting |
|---------------------|----------|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |

4.1.2 TEST PROCEDURE

- a. 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.
- b. 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.
- c. 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.
- d LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

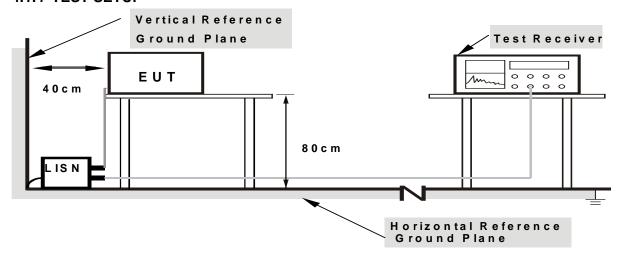
4.1.3 DEVIATION FROM TEST STANDARD

No deviation

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4.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

4.1.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.
- (3) "N/A" denotes test is not applicable to this device.

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4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

20dB in any 100 KHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9KHz-1000MHz)

| Frequency | Field Strength | Measurement Distance |
|-------------|--------------------|----------------------|
| (MHz) | (microvolts/meter) | (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 |
| 960~1000 | 500 | 3 |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| Frequency (MHz) | (dBuV/m) (at 3 meters) | |
|-----------------|------------------------|---------|
| | PEAK | AVERAGE |
| Above 1000 | 74 | 54 |

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use) Margin Level = Measurement Value - Limit Value

| Spectrum Parameter | Setting |
|-------------------------------|--|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RBW / VBW | RBW 1MHz VBW 3MHz peak detector for Pk value |
| (Emission in restricted band) | RMS detector for AV value |

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| Receiver Parameter | Setting |
|------------------------|-----------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9KHz~90KHz for PK/AVG detector |
| Start ~ Stop Frequency | 90KHz~110KHz for QP detector |
| Start ~ Stop Frequency | 110KHz~490KHz for PK/AVG detector |
| Start ~ Stop Frequency | 490KHz~30MHz for QP detector |
| Start ~ Stop Frequency | 30MHz~1000MHz for QP detector |

4.2.2 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

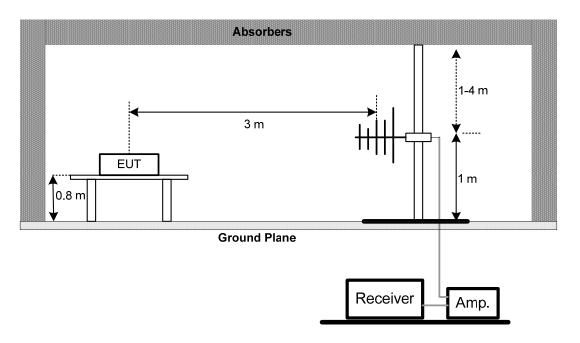
No deviation

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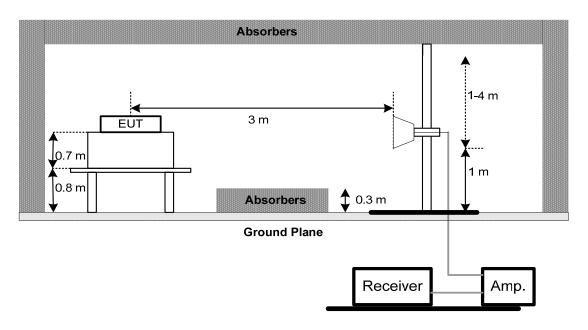


4.2.4 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



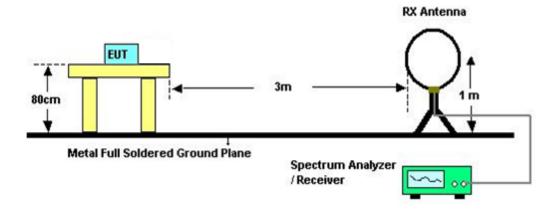
(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



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(C) For radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.5 Unless** otherwise a special operating condition is specified in the follows during the testing.

4.2.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 3V

4.2.7TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

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4.2.8TEST RESULTS (30MHZ TO 1000 MHZ) Please refer to the Attachment C.

Remark:

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz.
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (3) Measuring frequency range from 30MHz to 1000MHz.
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

4.2.9TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
- (3) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (4) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (5) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna
- (6) No limit: This is fundamental signal, the judgment is not applicable. For fundamental signal judgment was referred to Peak output test.

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5. BANDWIDTH TEST

5.1 Applied procedures / limit

| FCC Part15 (15.247) , Subpart C | | | | |
|---------------------------------|-----------|------------------------------|--------------------------|--------|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247(a)(2) | Bandwidth | >= 500KHz (6dB bandwidth) | 2400-2483.5 | PASS |

5.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

| EUT | SPECTRUM |
|-----|----------|
| | ANALYZER |

5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 3V

5.1.6 TEST RESULTS

Please refer to the Attachment E.

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6. MAXIMUM OUTPUT POWER TEST

6.1 Applied procedures / limit

| and the process and the contract of the contra | | | | | | |
|--|----------------------|-----------------|--------------------------|--------|--|--|
| FCC Part15 (15.247) , Subpart C | | | | | | |
| Section | Test Item | Limit | Frequency Range (MHz) | Result | | |
| 15.247(b)(3) | Maximum Output Power | 1 watt or 30dBm | 2400-2483.5 | PASS | | |

6.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- b. The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance v03r03.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP

| EUT | Power Meter |
|-----|-------------|
| | |

6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 3V

6.1.6 TEST RESULTS

Please refer to the Attachment F.

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7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 Applied procedures / limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

7.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 10 ms.

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP

| EUT | SPECTRUM |
|-----|----------|
| | ANALYZER |

7.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.5 EUT OPERATION CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 3V

7.1.6 TEST RESULTS

Please refer to the Attachment G.

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8. POWER SPECTRAL DENSITY TEST

8.1 Applied procedures / limit

| FCC Part15 (15.247), Subpart C | | | | | | | |
|--------------------------------|------------------------|------------------------|--------------------------|--------|--|--|--|
| Section | Test Item | Limit | Frequency Range (MHz) | Result | | | |
| 15.247(e) | Power Spectral Density | 8 dBm (in any 3KHz) | 2400-2483.5 | PASS | | | |

8.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW=3KHz, VBW=10 KHz, Sweep time = auto.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP

| EUT | SPECTRUM |
|-----|----------|
| | ANALYZER |

8.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

8.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 3V

8.1.6 TEST RESULTS

Please refer to the Attachment H.

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9. MEASUREMENT INSTRUMENTS LIST

| | Conducted Emission Measurement | | | | | | | | |
|------|---|------|----------|------------|---------------|--|--|--|--|
| Item | em Kind of Equipment Manufacturer Type No. Serial No. Calib | | | | | | | | |
| 1 | LISN | EMCO | 3816/2 | 00052765 | Mar. 28, 2016 | | | | |
| 2 | LISN | R&S | ENV216 | 101447 | Mar. 28, 2016 | | | | |
| 3 | Test Cable | N/A | C_17 | N/A | Mar. 13, 2016 | | | | |
| 4 | EMI TEST RECEIVER | R&S | ESCS30 | 833364/017 | Mar. 28, 2016 | | | | |
| 5 | 50Ω Terminator | SHX | TF2-3G-A | 08122902 | Mar. 28, 2016 | | | | |

| | Radiated Emission Measurement | | | | | | | | |
|------|-------------------------------|--------------|-----------|------------|------------------|--|--|--|--|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until | | | | |
| 1 | Antenna | Schwarbeck | VULB9160 | 9160-3232 | Mar. 28, 2016 | | | | |
| 2 | Amplifier | HP | 8447D | 2944A09673 | Mar. 28, 2016 | | | | |
| 3 | Test Receiver | R&S | ESCI | 100382 | Mar. 28, 2016 | | | | |
| 4 | Test Cable | N/A | C-01_CB03 | N/A | Jun. 30, 2016 | | | | |
| 5 | Antenna | ETS | 3115 | 00075789 | Mar. 28, 2016 | | | | |
| 6 | Amplifier | Agilent | 8449B | 3008A02274 | Mar. 28, 2016 | | | | |
| 7 | Spectrum | Agilent | E4408B | US39240143 | Nov. 10, 2015 | | | | |
| 8 | Test Cable | HUBER+SUHNER | C-45 | N/A | Mar. 28, 2016 | | | | |
| 9 | Controller | СТ | SC100 | N/A | N/A | | | | |
| 10 | Horn Antenna | EMCO | 3115 | 9605-4803 | Mar. 28, 2016 | | | | |
| 11 | Active Loop Antenna | R&S | HFH2-Z2 | 830749/020 | Mar. 28, 2016 | | | | |
| 12 | Broad-Band Horn Antenna | Schwarzbeck | BBHA 9170 | 9170319 | Oct. 21, 2015 | | | | |

| 6dB Bandwidth Measurement | | | | | | | |
|---------------------------|-------------------|--------------|----------|------------|------------------|--|--|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until | | |
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 10, 2015 | | |

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| | Peak Output Power Measurement | | | | | | | |
|------|--|---------|--------|------------|---------------|--|--|--|
| Item | Item Kind of Equipment Manufacturer Type No. Serial No. Calibr | | | | | | | |
| 1 | P-series Power meter | Agilent | N1911A | MY45100473 | Mar. 28, 2016 | | | |
| 2 | Wireband Power sensor | Agilent | N1921A | MY51100041 | Mar. 28, 2016 | | | |

| | Antenna Conducted Spurious Emission Measurement | | | | | | | |
|------|---|--------------|----------|------------|------------------|--|--|--|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until | | | |
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 10, 2015 | | | |

| Power Spectral Density Measurement | | | | | | | |
|------------------------------------|-------------------|--------------|----------|------------|------------------|--|--|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until | | |
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 10, 2015 | | |

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

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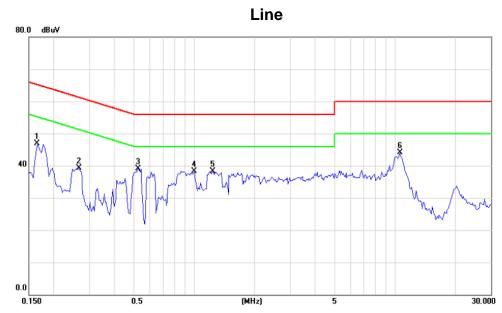


| ATTACHMENT A - CONDUCTED EMISSION |
|-----------------------------------|
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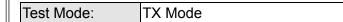


| No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|---------|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | 0.1655 | 37.30 | 9.56 | 46.86 | 65.18 | -18.32 | peak | |
| 2 | 0.2672 | 29.68 | 9.62 | 39.30 | 61.20 | -21.90 | peak | |
| 3 | 0.5250 | 29.47 | 9.69 | 39.16 | 56.00 | -16.84 | peak | |
| 4 | 0.9977 | 28.44 | 9.80 | 38.24 | 56.00 | -17.76 | peak | |
| 5 | 1.2360 | 28.49 | 9.81 | 38.30 | 56.00 | -17.70 | peak | |
| 6 * | 10.5586 | 34.27 | 9.88 | 44.15 | 60.00 | -15.85 | peak | |

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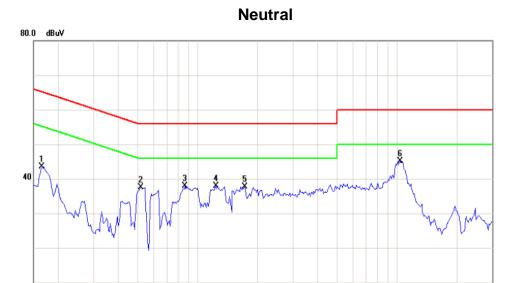


30.000



0.5

0.0



| No. M | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-------|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | 0.1655 | 34.12 | 9.48 | 43.60 | 65.18 | -21.58 | peak | |
| 2 | 0.5172 | 27.96 | 9.56 | 37.52 | 56.00 | -18.48 | peak | |
| 3 | 0.8648 | 28.36 | 9.58 | 37.94 | 56.00 | -18.06 | peak | |
| 4 | 1.2320 | 28.33 | 9.62 | 37.95 | 56.00 | -18.05 | peak | |
| 5 | 1.7281 | 28.09 | 9.68 | 37.77 | 56.00 | -18.23 | peak | |
| 6 * | 10.3633 | 35.34 | 9.85 | 45.19 | 60.00 | -14.81 | peak | |

(MHz)

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| ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ) |
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Test Mode: TX Mode

| Frequency (MHz) | Ant 0°/90 | Read level dBuV/m | Factor (dB) | Measured(F S) (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Note |
|--------------------|--------------|-------------------------|----------------|------------------------------|-------------------|----------------|------|
| 0.0078 | 0° | 9.52 | 25.07 | 34.59 | 129.76 | -95.17 | AVG |
| 0.0078 | 0° | 11.17 | 25.07 | 36.24 | 149.76 | -113.52 | PEAK |
| 0.0153 | 0° | 7.52 | 24.60 | 32.12 | 123.91 | -91.79 | AVG |
| 0.0153 | 0° | 8.29 | 24.60 | 32.89 | 143.91 | -111.02 | PEAK |
| 0.0209 | 0° | 4.25 | 24.24 | 28.49 | 121.20 | -92.71 | AVG |
| 0.0209 | 0° | 6.18 | 24.24 | 30.42 | 141.20 | -110.78 | PEAK |
| 0.0417 | 0° | 1.37 | 22.93 | 24.30 | 115.20 | -90.91 | AVG |
| 0.0417 | 0° | 2.19 | 22.93 | 25.12 | 135.20 | -110.09 | PEAK |
| 0.5213 | 0° | 18.12 | 19.87 | 37.99 | 73.26 | -35.27 | QP |
| 1.9257 | 0° | 21.33 | 19.51 | 40.84 | 69.54 | -28.70 | QP |

| Frequency (MHz) | Ant 0°/90° | Read level dBuV/m | Factor (dB) | Measured(FS) (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Note |
|-----------------|---------------|----------------------|-------------|--------------------------|-------------------|----------------|------|
| 0.0106 | 90° | 11.27 | 24.30 | 35.57 | 127. 0 | -91.53 | AVG |
| 0.0106 | 90° | 13.56 | 24.30 | 37.86 | 147.10 | -109.24 | PEAK |
| 0.0281 | 90° | 7.52 | 23.79 | 31.31 | 118.63 | -87.32 | AVG |
| 0.0281 | 90° | 9.13 | 23.79 | 32.92 | 138.63 | -105.71 | PEAK |
| 0.0352 | 90° | 2.39 | 23.34 | 25.73 | 116.67 | -90.95 | AVG |
| 0.0352 | 90° | 3.57 | 23.34 | 26.91 | 136.67 | -109.77 | PEAK |
| 0.0447 | 90° | 0.28 | 22.74 | 23.02 | 114.60 | -91.58 | AVG |
| 0.0447 | 90° | 1.35 | 22.74 | 24.09 | 134.60 | -110.51 | PEAK |
| 0.7251 | 90° | 20.15 | 20.52 | 40.67 | 70.40 | -29.73 | QP |
| 2.1375 | 90° | 25.38 | 19.42 | 44.80 | 69.54 | -24.74 | QP |

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| ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ | Z) |
|--|-----------|
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| | |
| | |
| | |

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Test Mode: TX 2402MHz -CH00 -1Mbps

Vertical 80.0 dBuV/m Š 5 X **4** × 3 X 0.0 30.000 127.000 224.000 321.000 418.000 515.000 612.000 709.000 806.000 1000.000 MHz

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|-----|----------|------------------|-------------------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 45.5200 | 32.24 | -13.25 | 18.99 | 40.00 | -21.01 | peak | |
| 2 | | 138.6400 | 30.66 | -13.95 | 16.71 | 43.50 | -26.79 | peak | |
| 3 | | 276.3800 | 32.52 | -12.71 | 19.81 | 46.00 | -26.19 | peak | |
| 4 | | 553.8000 | 27.76 | -5.35 | 22.41 | 46.00 | -23.59 | peak | |
| 5 | | 709.9700 | 28.08 | -4.28 | 23.80 | 46.00 | -22.20 | peak | |
| 6 | * | 940.8300 | 30.50 | -0.08 | 30.42 | 46.00 | -15.58 | peak | |
| | | | | | | | | | |

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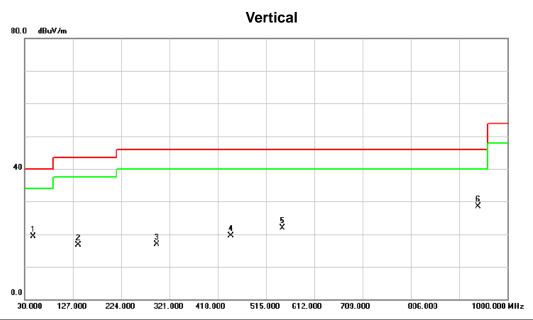
Test Mode: TX 2402MHz -CH00 -1Mbps

| No | o. N | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|----|------|-----|---------|------------------|-------------------|------------------|--------|--------|----------|---------|
| | | | MHz | dBu∨ | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| | 1 | | 47.4600 | 27.92 | -13.62 | 14.30 | 40.00 | -25.70 | peak | |
| | 2 | 2 | 99.6600 | 26.57 | -10.51 | 16.06 | 46.00 | -29.94 | peak | |
| | 3 | 4 | 48.0700 | 26.94 | -8.10 | 18.84 | 46.00 | -27.16 | peak | |
| | 4 | 5 | 65.4400 | 27.99 | -5.97 | 22.02 | 46.00 | -23.98 | peak | |
| | 5 | 6 | 75.0500 | 28.32 | -4.65 | 23.67 | 46.00 | -22.33 | peak | |
| | 6 1 | * 7 | 99.2100 | 27.18 | -2.11 | 25.07 | 46.00 | -20.93 | peak | |

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Test Mode: TX 2440MHz -CH19 -1Mbps



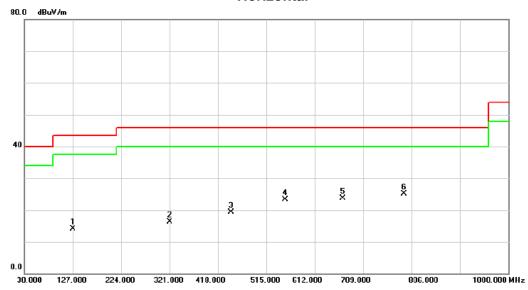
| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 47.4600 | 32.98 | -13.62 | 19.36 | 40.00 | -20.64 | peak | |
| 2 | | 138.6400 | 30.70 | -13.95 | 16.75 | 43.50 | -26.75 | peak | |
| 3 | | 295.7800 | 27.54 | -10.71 | 16.83 | 46.00 | -29.17 | peak | |
| 4 | | 444.1900 | 27.61 | -8.19 | 19.42 | 46.00 | -26.58 | peak | |
| 5 | | 547.9800 | 27.32 | -5.33 | 21.99 | 46.00 | -24.01 | peak | |
| 6 | * | 940.8300 | 28.60 | -0.08 | 28.52 | 46.00 | -17.48 | peak | |

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Test Mode: TX 2440MHz -CH19 -1Mbps

Horizontal

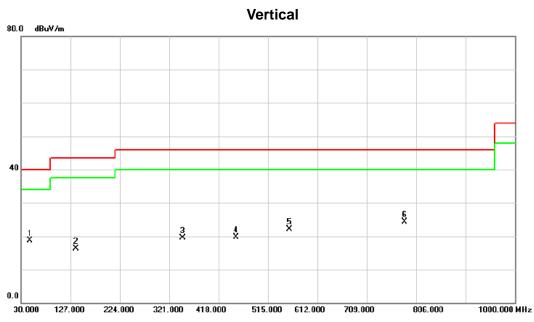


| No. | M | c. Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|---|----------|------------------|-------------------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 127.0000 | 27.38 | -13.36 | 14.02 | 43.50 | -29.48 | peak | |
| 2 | | 321.9700 | 27.13 | -10.88 | 16.25 | 46.00 | -29.75 | peak | |
| 3 | | 444.1900 | 27.42 | -8.19 | 19.23 | 46.00 | -26.77 | peak | |
| 4 | | 553.8000 | 28.66 | -5.35 | 23.31 | 46.00 | -22.69 | peak | |
| 5 | | 668.2600 | 28.57 | -4.78 | 23.79 | 46.00 | -22.21 | peak | |
| 6 | * | 790.4800 | 27.73 | -2.56 | 25.17 | 46.00 | -20.83 | peak | |

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Test Mode: TX 2480MHz -CH39 -1Mbps



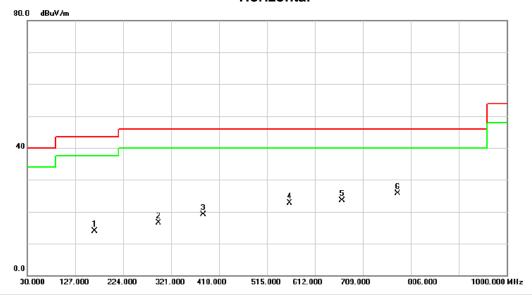
| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 47.4600 | 32.35 | -13.62 | 18.73 | 40.00 | -21.27 | peak | |
| 2 | | 138.6400 | 30.32 | -13.95 | 16.37 | 43.50 | -27.13 | peak | |
| 3 | | 347.1900 | 30.76 | -11.30 | 19.46 | 46.00 | -26.54 | peak | |
| 4 | | 451.9500 | 27.85 | -8.13 | 19.72 | 46.00 | -26.28 | peak | |
| 5 | | 556.7100 | 27.55 | -5.50 | 22.05 | 46.00 | -23.95 | peak | |
| 6 | | 782.7200 | 27.32 | -2.94 | 24.38 | 46.00 | -21.62 | peak | |

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Test Mode: TX 2480MHz -CH39 -1Mbps

Horizontal



| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 166.7700 | 26.60 | -12.73 | 13.87 | 43.50 | -29.63 | peak | |
| 2 | | 295.7800 | 27.27 | -10.71 | 16.56 | 46.00 | -29.44 | peak | |
| 3 | | 385.9900 | 28.94 | -9.88 | 19.06 | 46.00 | -26.94 | peak | |
| 4 | | 561.5600 | 28.40 | -5.77 | 22.63 | 46.00 | -23.37 | peak | |
| 5 | | 666.3200 | 28.40 | -4.81 | 23.59 | 46.00 | -22.41 | peak | |
| 6 | * | 778.8400 | 28.76 | -3.15 | 25.61 | 46.00 | -20.39 | peak | |

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| ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ) |
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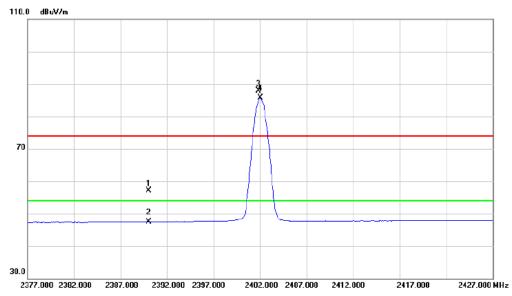
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Orthogonal Axis: X

Test Mode: TX 2402MHz _CH00_1Mbps

Vertical

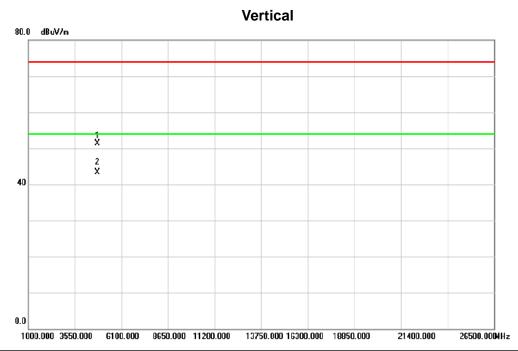


| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2390.000 | 23.74 | 33.43 | 57.17 | 74.00 | -16.83 | peak | |
| 2 | | 2390.000 | 14.11 | 33.43 | 47.54 | 54.00 | -6.46 | AVG | |
| 3 | X | 2401.800 | 54.54 | 33.45 | 87.99 | 74.00 | 13.99 | peak | NO limit |
| 4 | * | 2402.000 | 52.33 | 33.45 | 85.78 | 54.00 | 31.78 | AVG | NO limit |

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Orthogonal Axis: X
Test Mode: TX 2402MHz _CH00_1Mbps



| No. | Mk | . Freq. | | | Measure- ment | | Over | | |
|-----|----|----------|-------|------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 4803.330 | 44.55 | 6.76 | 51.31 | 74.00 | -22.69 | peak | |
| 2 | * | 4804.050 | 36.49 | 6.76 | 43.25 | 54.00 | -10.75 | AVG | |

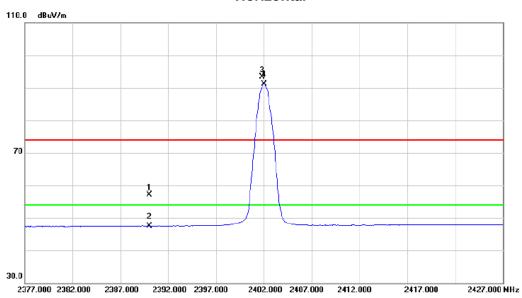
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Orthogonal Axis: X

Test Mode: TX 2402MHz _CH00_1Mbps

Horizontal



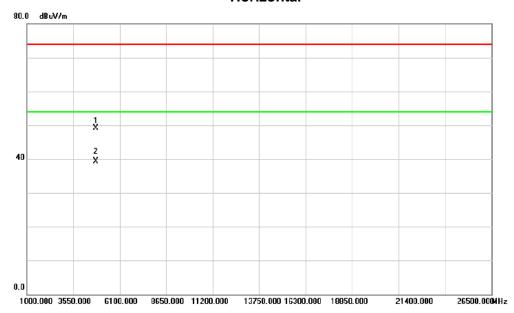
| N | 0. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|---|----|----|----------|------------------|-------------------|------------------|--------|--------|----------|----------|
| | | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| | 1 | | 2390.000 | 23.64 | 33.43 | 57.07 | 74.00 | -16.93 | peak | |
| | 2 | | 2390.000 | 14.11 | 33.43 | 47.54 | 54.00 | -6.46 | AVG | |
| | 3 | Χ | 2401.850 | 59.91 | 33.45 | 93.36 | 74.00 | 19.36 | peak | NO limit |
| | 4 | * | 2402.050 | 57.74 | 33.45 | 91.19 | 54.00 | 37.19 | AVG | NO limit |

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Orthogonal Axis: X
Test Mode: TX 2402MHz _CH00_1Mbps

Horizontal



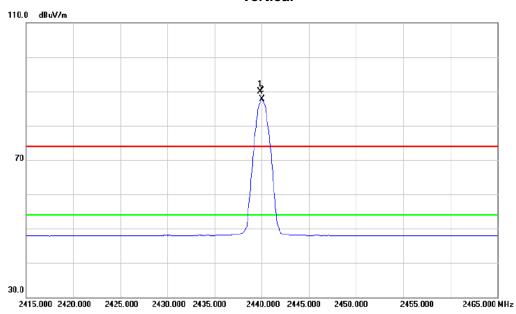
| | No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|---|-----|-----|---------|------------------|-------------------|------------------|--------|--------|----------|---------|
| - | | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| | 1 | 4 | 803.290 | 42.33 | 6.76 | 49.09 | 74.00 | -24.91 | peak | |
| | 2 | * 4 | 804.120 | 32.51 | 6.76 | 39.27 | 54.00 | -14.73 | AVG | |

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Orthogonal Axis: X
Test Mode: TX 2440MHz _CH19_1Mbps

Vertical

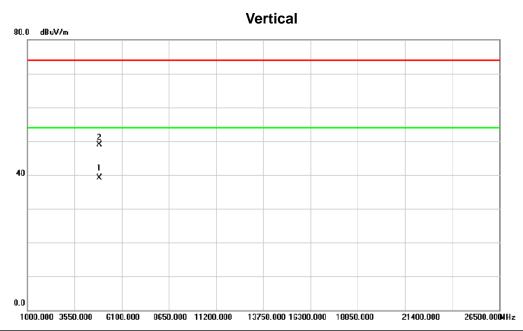


| | No. | Mk | c. Freq. | | Correct Factor | Measure- ment | Limit | Over | | |
|---|-----|----|----------|-------|-------------------|------------------|--------|-------|----------|----------|
| - | | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| - | 1 | X | 2439.800 | 56.34 | 33.51 | 89.85 | 74.00 | 15.85 | peak | NO limit |
| | 2 | * | 2440.050 | 54.14 | 33.51 | 87.65 | 54.00 | 33.65 | AVG | NO limit |

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Orthogonal Axis: X
Test Mode: TX 2440MHz _CH19_1Mbps



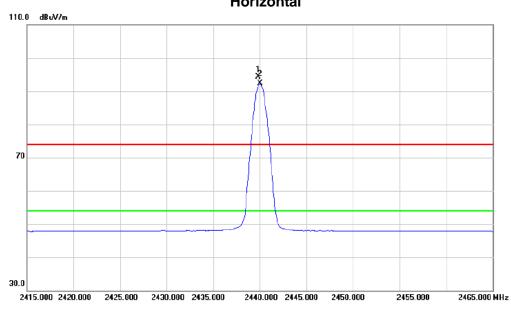
| No. | Mk | c. Freq. | | | Measure- ment | | Over | | |
|-----|----|----------|-------|------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 4880.000 | 32.02 | 6.99 | 39.01 | 54.00 | -14.99 | AVG | |
| 2 | | 4880.150 | 41.91 | 6.99 | 48.90 | 74.00 | -25.10 | peak | |

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Orthogonal Axis: X Test Mode: TX 2440MHz _CH19_1Mbps

Horizontal



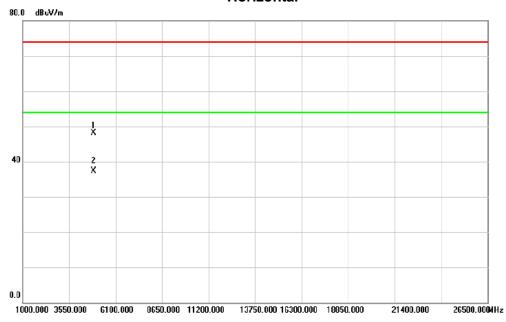
| | No. | Mk | . Freq. | Reading Level | | Measure- ment | Limit | Over | | |
|---|-----|----|----------|------------------|-------|------------------|--------|-------|----------|----------|
| _ | | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| | 1 | X | 2439.850 | 60.71 | 33.51 | 94.22 | 74.00 | 20.22 | peak | NO limit |
| | 2 | * | 2440.050 | 58.72 | 33.51 | 92.23 | 54.00 | 38.23 | AVG | NO limit |

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Orthogonal Axis: X
Test Mode: TX 2440MHz _CH19_1Mbps

Horizontal



| No. | М | lk. | Freq. | | | Measure- ment | Limit | Over | | |
|-----|---|-----|--------|-------|------|------------------|--------|--------|----------|---------|
| | | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 48 | 80.160 | 41.05 | 6.99 | 48.04 | 74.00 | -25.96 | peak | |
| 2 | * | 48 | 80.220 | 30.36 | 6.99 | 37.35 | 54.00 | -16.65 | AVG | |

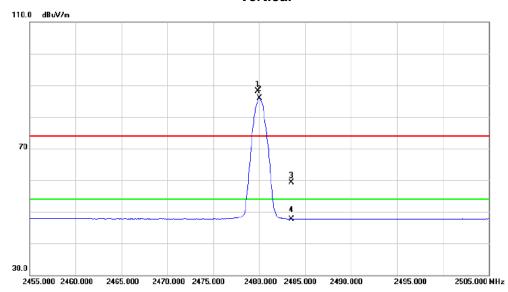
Report No.: BTL-FCCP-1-1507C178 Page 47 of 62



Orthogonal Axis: X

Test Mode: TX 2480MHz _CH39_1Mbps

Vertical



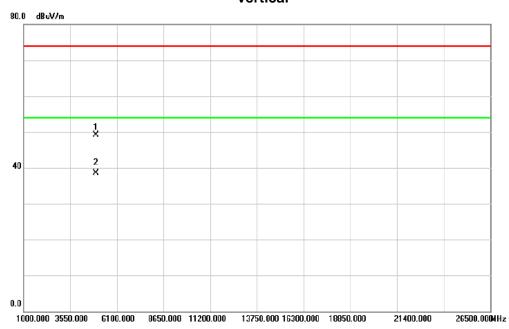
| No. | M | c. Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|-----|---|----------|------------------|-------------------|------------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | X | 2479.850 | 54.57 | 33.58 | 88.15 | 74.00 | 14.15 | peak | NO limit |
| 2 | * | 2480.000 | 52.39 | 33.58 | 85.97 | 54.00 | 31.97 | AVG | NO limit |
| 3 | | 2483.500 | 25.81 | 33.59 | 59.40 | 74.00 | -14.60 | peak | |
| 4 | | 2483.500 | 14.18 | 33.59 | 47.77 | 54.00 | -6.23 | AVG | |

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Orthogonal Axis: X
Test Mode: TX 2480MHz _CH39_1Mbps

Vertical



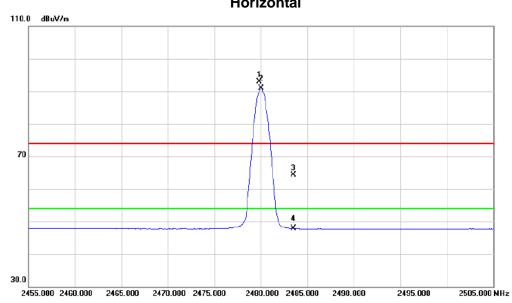
| No. | Mk | c. Freq. | | | Measure- ment | | Over | | |
|-----|----|----------|-------|------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 4959.870 | 41.84 | 7.22 | 49.06 | 74.00 | -24.94 | peak | |
| 2 | * | 4960.050 | 31.34 | 7.22 | 38.56 | 54.00 | -15.44 | AVG | |

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Orthogonal Axis: X Test Mode: TX 2480MHz _CH39_1Mbps

Horizontal

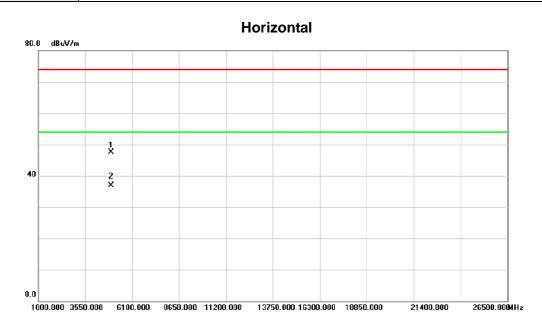


| No. | M | c. Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|-----|---|----------|------------------|-------------------|------------------|--------|-------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | X | 2479.850 | 59.42 | 33.58 | 93.00 | 74.00 | 19.00 | peak | NO limit |
| 2 | * | 2480.050 | 57.31 | 33.58 | 90.89 | 54.00 | 36.89 | AVG | NO limit |
| 3 | | 2483.500 | 30.74 | 33.59 | 64.33 | 74.00 | -9.67 | peak | |
| 4 | | 2483.500 | 14.28 | 33.59 | 47.87 | 54.00 | -6.13 | AVG | |

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Orthogonal Axis: X
Test Mode: TX 2480MHz _CH39_1Mbps



| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 4960.220 | 40.31 | 7.22 | 47.53 | 74.00 | -26.47 | peak | |
| 2 | * | 4960.440 | 29.66 | 7.23 | 36.89 | 54.00 | -17.11 | AVG | |

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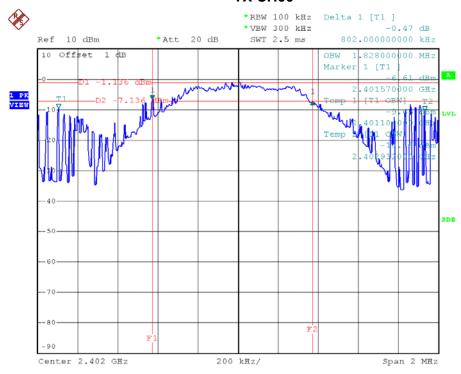
| ATTACHMENT E - BANDWIDTH | |
|--------------------------|--|
| | |
| | |
| | |
| | |

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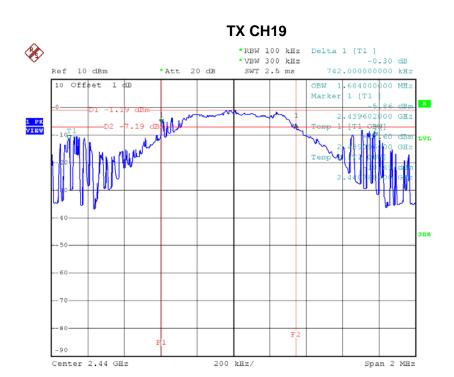
| Frequency (MHz) | 6dB Bandwidth (MHz) | 99% Occupied BW (MHz) | Min. Limit (kHz) | Test Result |
|--------------------|---------------------|-----------------------|---------------------|-------------|
| 2402 | 0.802 | 1.828 | 500 | Complies |
| 2440 | 0.742 | 1.684 | 500 | Complies |
| 2480 | 0.619 | 1.332 | 500 | Complies |

TX CH00

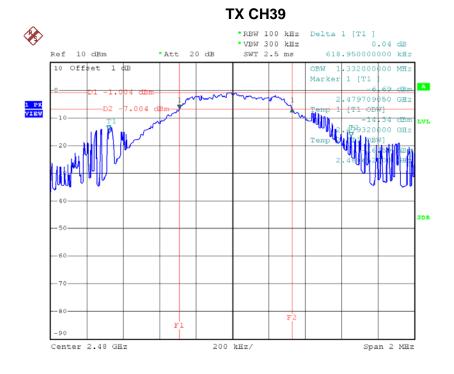


Date: 20.JUL.2015 17:24:04





Date: 20.JUL.2015 17:25:18



Date: 20.JUL.2015 17:26:21



ATTACHMENT F - MAXIMUM OUTPUT POWER TEST

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (Watt) | Max. Limit (dBm) | Max. Limit (Watt) | Test Result |
|--------------------|--------------------------|------------------------|---------------------|----------------------|-------------|
| 2402 | -0.88 | 0.0008 | 30.00 | 1.00 | Complies |
| 2440 | -1.03 | 0.0008 | 30.00 | 1.00 | Complies |
| 2480 | -0.77 | 0.0008 | 30.00 | 1.00 | Complies |

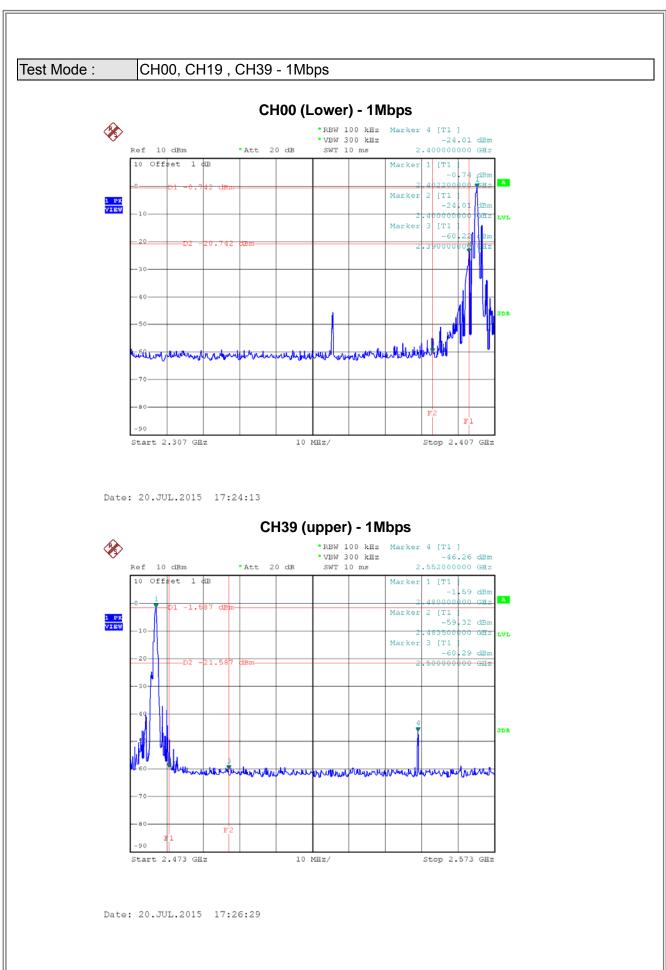
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ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

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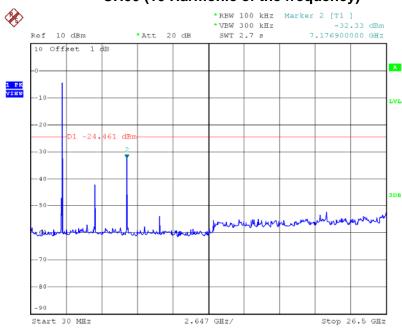




Report No.: BTL-FCCP-1-1507C178

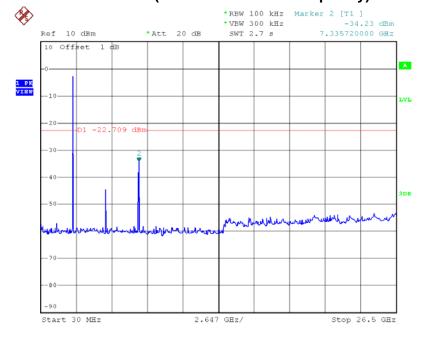






Date: 20.JUL.2015 17:24:27

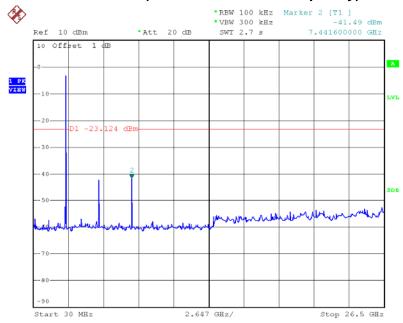
CH19 (10 Harmonic of the frequency)



Date: 20.JUL.2015 17:25:31







Date: 20.JUL.2015 17:26:43



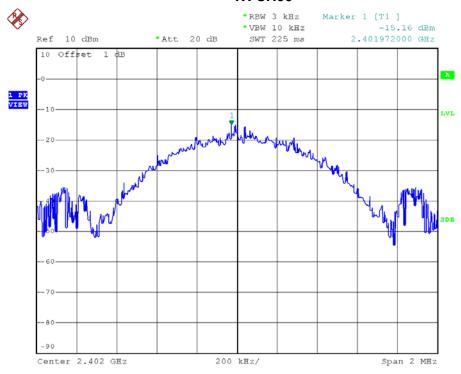
| ATTACHMENT H - POWER SPECTRAL DENSITY TEST |
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| |
| |
| |

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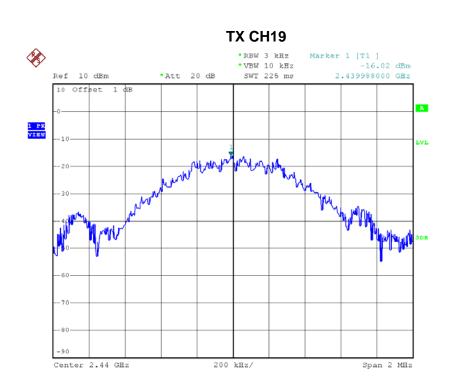
| Frequency (MHz) | Power Density (dBm) | Max. Limit (dBm) | Result |
|--------------------|------------------------|---------------------|----------|
| 2402 | -15.16 | 8 | Complies |
| 2440 | -16.02 | 8 | Complies |
| 2480 | -14.94 | 8 | Complies |

TX CH00

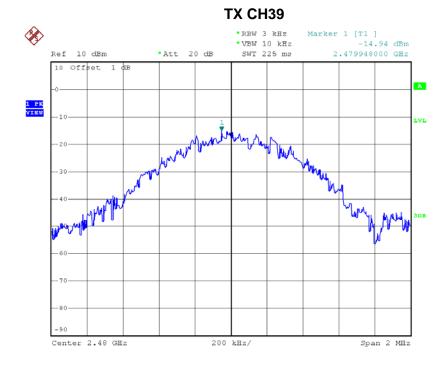


Date: 20.JUL.2015 17:24:33





Date: 20.JUL.2015 17:25:37



Date: 20.JUL.2015 17:26:49