

*FCC PART 15, SUBPART B and C*  
*TEST REPORT*  
*for*  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232

Prepared for

DELPHIAN SYSTEMS LLC  
720 DARTMOUTH LANE  
BUFFALO GROVE, ILLINOIS 60089

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DATE: APRIL 6, 2015

|       | REPORT<br>BODY | APPENDICES |   |   |    |     | TOTAL |
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## GENERAL REPORT SUMMARY

This electromagnetic emission test report is generated by Compatible Electronics Inc., which is an independent testing and consulting firm. The test report is based on testing performed by Compatible Electronics personnel according to the measurement procedures described in the test specifications given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced without the written permission of Compatible Electronics, unless done so in full.

This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the federal government.

Device Tested: High Range BLE/ANT Module  
Model: SRU232  
S/N: N/A

Product Description: See Expository Statement.

Modifications: The EUT was not modified during the testing.

Customer: Delphian Systems LLC  
720 Dartmouth Lane  
Buffalo Grove, Illinois 60089

Test Dates: March 19, 25, 30 and 31, 2015 and April 1 and 2, 2015

Test Specifications: Emissions requirements  
CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.247

Test Procedure: ANSI C63.4

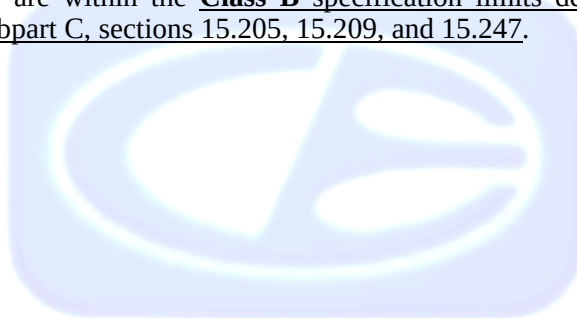
Test Deviations: The test procedure was not deviated from during the testing.

## SUMMARY OF TEST RESULTS

| TEST | DESCRIPTION                                                                                             | RESULTS                                                                                                                                                  |
|------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Conducted RF Emissions, 150 kHz – 30 MHz                                                                | The EUT complies with the <b>Class B</b> limits of CFR Title 47, Part 15, Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, section 15.207. |
| 2    | Spurious Radiated RF Emissions, 30 MHz – 1000 MHz                                                       | Complies with the <b>Class B</b> limits of CFR Title 47, Part 15 Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, section 15.209           |
| 3    | Spurious Radiated RF Emissions, 10 kHz – 30 MHz and 1000 MHz – 25000 MHz                                | Complies with the <b>Class B</b> limits of CFR Title 47, Part 15, Subpart B; and CFR Title 47, Part 15, Subpart C, section 15.247(d)                     |
| 4    | Fundamental and Emissions produced by the intentional radiator in non-restricted bands, 10 kHz – 25 GHz | Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247(d)                                                           |
| 5    | Emissions produced by the intentional radiator in restricted bands, 10 kHz – 25 GHz                     | Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.205, 15.209, and section 15.247 (d)                              |
| 6    | DTS Bandwidth                                                                                           | Complies with the relevant requirements of FCC Title 47, Part 15, Subpart C, section 15.247 (a)(2)                                                       |
| 7    | Peak Power Output                                                                                       | Complies with the relevant requirements of FCC Title 47, Part 15, Subpart C, section 15.247 (b)(3)                                                       |
| 8    | RF Conducted Antenna Test                                                                               | Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247 (d)                                                          |
| 9    | Peak Power Spectral Density from the Intentional Radiator to the Antenna                                | Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247 (e)                                                          |

## 1. PURPOSE

This document is a qualification test report based on the emissions tests performed on the High Range BLE/ANT Module, Model: SRU232. The emissions measurements were performed according to the measurement procedure described in ANSI C63.4. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT hereafter, are within the **Class B specification limits** defined by CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.247.



## 2. ADMINISTRATIVE DATA

### 2.1 Location of Testing

The emissions tests described herein were performed at the test facility of Compatible Electronics, 114 Olinda Drive, Brea, California 92823.

### 2.2 Traceability Statement

The calibration certificates of all test equipment used during the test are on file at the location of the test. The calibration is traceable to the National Institute of Standards and Technology (NIST).

### 2.3 Cognizant Personnel

Delphian Systems LLC

Gary Myers

Director of Technology

Compatible Electronics Inc.

Kyle Fujimoto

Test Engineer

James Ross

Test Engineer

Kenneth Lee

Test Technician

### 2.4 Date Test Sample was Received

The test sample was received prior to the initial day of testing.

### 2.5 Disposition of the Test Sample

The test sample has not been returned to Delphian Systems LLC as of the date of this test report.

### 2.6 Abbreviations and Acronyms

The following abbreviations and acronyms may be used in this document.

|      |                                      |
|------|--------------------------------------|
| RF   | Radio Frequency                      |
| EMI  | Electromagnetic Interference         |
| EUT  | Equipment Under Test                 |
| P/N  | Part Number                          |
| S/N  | Serial Number                        |
| HP   | Hewlett Packard                      |
| ITE  | Information Technology Equipment     |
| CML  | Corrected Meter Limit                |
| LISN | Line Impedance Stabilization Network |
| N/A  | Not Applicable                       |
| BLE  | Bluetooth Low Energy                 |

### 3. APPLICABLE DOCUMENTS

The following documents are referenced or used in the preparation of this emissions Test Report.

| SPEC                                  | TITLE                                                                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| FCC Title 47,<br>Part 15<br>Subpart C | FCC Rules - Radio frequency devices (including digital devices) –<br>Intentional Radiators                                              |
| FCC Title 47,<br>Part 15<br>Subpart B | FCC Rules - Radio frequency devices (including digital devices) –<br>Unintentional Radiators                                            |
| ANSI C63.4<br>2009                    | Methods of measurement of radio-noise emissions from low-voltage<br>electrical and electronic equipment in the range of 9 kHz to 40 GHz |
| KDB 558074<br>v03r02                  | Guidance for performing compliance measurements on digital transmission<br>systems (DTS) operating under 15.247.                        |
| EN 50147-2<br>1997                    | Anechoic chambers. Alternative test site suitability with respect to site<br>attenuation.                                               |



#### **4. DESCRIPTION OF TEST CONFIGURATION**

##### **4.1 Description of Test Configuration - Emissions**

The High Range BLE/ANT Module, Model: SRU232 (EUT) was directly connected to a host PCB that was connected to the AC mains via an AC adapter.

The EUT was tested with both a UFL antenna and a chip antenna.

The EUT was tested for emissions at the low, middle, and high channels while in the X, Y and Z axis. The EUT was continuously transmitting.

The final radiated data for the EUT as was taken in the mode described above. Please see Appendix E for the data sheets.

##### **4.1.1 Cable Construction and Termination**

###### **Cable 1**

This was a 2 meter unshielded cable connecting the host PCB to the power supply. The cable was hardwired to the power supply and had a single pin power connector on the host PCB end.

###### **Cable 2**

This was a 20 cm shielded cable connecting the EUT to the UFL antenna. The cable had an RSMA connector on the antenna end and a UFL connector on the EUT end.

## 5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT

### 5.1 EUT and Accessory List

| EQUIPMENT                 | MANUFACTURER         | MODEL NUMBER | SERIAL NUMBER | FCC ID      |
|---------------------------|----------------------|--------------|---------------|-------------|
| HIGH RANGE BLE/ANT MODULE | DELPHIAN SYSTEMS LLC | SRU232       | N/A           | 2AEHJSRU232 |
| AC ADAPTOR                | ALFA                 | FOR SONY     | N/A           | N/A         |

### 5.2 Emissions Test Equipment

| EQUIPMENT TYPE                       | MANUFACTURER               | MODEL NUMBER | SERIAL NUMBER | CALIBRATION DATE  | CAL. CYCLE |
|--------------------------------------|----------------------------|--------------|---------------|-------------------|------------|
| GENERAL TEST EQUIPMENT USED IN LAB B |                            |              |               |                   |            |
| Computer                             | Compaq                     | CQ5210F      | CNX9360CF9    | N/A               | N/A        |
| Monitor                              | Hewlett Packard            | HPs2031a     | 3CQ046N3MD    | N/A               | N/A        |
| EMI Receiver                         | Rohde & Schwarz            | ESIB40       | 100194        | December 4, 2014  | 1 Year     |
| GENERAL TEST EQUIPMENT USED IN LAB D |                            |              |               |                   |            |
| Computer                             | Hewlett Packard            | p6716f       | MXX1030PX0    | N/A               | N/A        |
| LCD Monitor                          | Hewlett Packard            | 52031a       | 3CQ046N3MG    | N/A               | N/A        |
| EMI Receiver                         | Rohde & Schwarz            | ESIB40       | 100194        | December 4, 2014  | 1 Year     |
| RF RADIATED EMISSIONS TEST EQUIPMENT |                            |              |               |                   |            |
| CombiLog Antenna                     | Com-Power                  | AC-220       | 61060         | May 20, 2014      | 1 Year     |
| Preamplifier                         | Com-Power                  | PA-118       | 551024        | March 6, 2015     | 1 Year     |
| Preamplifier                         | Com-Power                  | PA-840       | 711013        | May 13, 2014      | 2 Year     |
| Loop Antenna                         | Com-Power                  | AL-130       | 17089         | February 6, 2015  | 2 Year     |
| Horn Antenna                         | Com-Power                  | AH-118       | 071175        | February 26, 2014 | 2 Year     |
| Horn Antenna                         | Com-Power                  | AH-826       | 0071957       | N/A               | N/A        |
| Antenna Mast                         | Com Power                  | AM-100       | N/A           | N/A               | N/A        |
| System Controller                    | Sunol Sciences Corporation | SC110V       | 112213-1      | N/A               | N/A        |
| Turntable                            | Sunol Sciences Corporation | 2011VS       | N/A           | N/A               | N/A        |
| Antenna-Mast                         | Sunol Sciences Corporation | TWR95-4      | 112213-3      | N/A               | N/A        |

**Emissions test equipment continued**

| EQUIPMENT TYPE                        | MANU-FACTURER          | MODEL NUMBER | SERIAL NUMBER | CALIBRATION DATE | CAL. CYCLE |
|---------------------------------------|------------------------|--------------|---------------|------------------|------------|
| RF CONDUCTED EMISSIONS TEST EQUIPMENT |                        |              |               |                  |            |
| Shield Room Test                      | Compatible Electronics | 11CD         | N/A           | N/A              | N/A        |
| LISN                                  | Com-Power              | LI-215       | 12082         | June 12, 2014    | 1 Year     |
| LISN                                  | Com-Power              | LI-215       | 12090         | June 12, 2014    | 1 Year     |
| Transient Limiter                     | Com-Power              | 252A910      | 1             | October 10, 2014 | 1 Year     |
| Monitor                               | Hewlett Packard        | D5258A       | TW74500641    | N/A              | N/A        |
| Computer                              | Hewlett Packard        | 4530         | US91912319    | N/A              | N/A        |
| Spectrum Analyzer – Main Section      | Hewlett Packard        | 8566B        | 3638A08784    | May 20, 2014     | 1 Year     |
| Spectrum Analyzer – Display Section   | Hewlett Packard        | 85662A       | 2648A14530    | May 20, 2014     | 1 Year     |
| Quasi-Peak Adapter                    | Hewlett Packard        | 85650A       | 2811A01363    | May 20, 2014     | 1 Year     |

## **6. TEST SITE DESCRIPTION**

### **6.1 Test Facility Description**

Please refer to section 2.1 and 7.1 of this report for emissions test location.

### **6.2 EUT Mounting, Bonding and Grounding**

The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 0.8 meters above the ground plane.

The EUT was not grounded during testing.

## 7. TEST PROCEDURES

The following sections describe the test methods and the specifications for the tests. Test results are also included in this section.

### 7.1 RF Emissions

#### 7.1.1 Radiated Emissions (Spurious and Harmonics) Test – Lab B

The EMI Receiver was used as a measuring meter. A preamplifier was used to increase the sensitivity of the instrument. The Com Power Microwave Preamplifiers Models: PA-118 and PA-840 was used for frequencies above 1 GHz. The EMI Receiver was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the EMI Receiver records the highest measured reading over all the sweeps.

For frequencies above 1 GHz, the readings were averaged using an average detector.

The measurement bandwidth and transducer used for the radiated emissions test were:

| FREQUENCY RANGE | EFFECTIVE MEASUREMENT BANDWIDTH | TRANSDUCER   |
|-----------------|---------------------------------|--------------|
| 1 GHz to 18 GHz | 1 MHz                           | Horn Antenna |
| 18 GHz to 25GHz | 1 MHz                           | Horn Antenna |

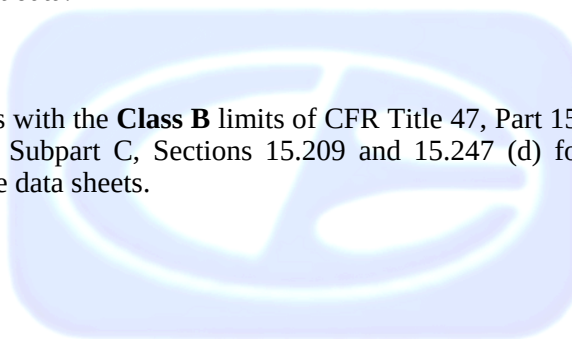
The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4: 2009. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT by the Radiated Emission Manual Test software. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength). The gunsight method was used when measuring with the horn antenna in order to ensure accurate results.

**Radiated Emissions (Spurious and Harmonics) Test -- Lab B (con't)**

The presence of ambient signals was verified by turning the EUT off. In case an ambient signal was detected, the measurement bandwidth was reduced temporarily and verification was made that an additional adjacent peak did not exist. This ensures that the ambient signal does not hide any emissions from the EUT. The EUT was tested at a 3 meter test distance from 1 GHz to 25 GHz to obtain the final test data.

**Test Results:**

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, Sections 15.209 and 15.247 (d) for radiated emissions. Please see Appendix E for the data sheets.



### 7.1.2 Radiated Emissions (Spurious and Harmonics) Test – Lab D

The EMI Receiver was used as the measuring meter. A built-in, internal preamplifier was used to increase the sensitivity of the instrument. The EMI Receiver was initially used in the Analyzer mode feature activated. In this mode, the EMI receiver can then record the actual frequency to be measured. This final reading is then taken accurately in the EMI Receiver mode, which takes into account the cable loss, amplifier gain and antenna factors, so that a true reading is compared to the true limit. A quasi-peak reading was taken only for those readings, which are marked accordingly on the data sheets.

The EMI test chamber of Compatible Electronics, Inc. was used for radiated emissions testing. This test site is in full compliance with ANSI C63.4, EN 50147-2 and CISPR 22. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT.

The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength).

The measurement bandwidths and transducers used for the radiated emissions test were:

| FREQUENCY RANGE   | EFFECTIVE MEASUREMENT BANDWIDTH | TRANSDUCER          |
|-------------------|---------------------------------|---------------------|
| 10 kHz to 150 kHz | 200 Hz                          | Active Loop Antenna |
| 150 kHz to 30 MHz | 9 kHz                           | Active Loop Antenna |
| 30 MHz to 1 GHz   | 120 kHz                         | CombiLog Antenna    |

The EUT was tested at a 3 meter test distance.

#### Test Results:

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, Sections 15.209 and 15.247 (d) for radiated emissions. Please see Appendix E for the data sheets.

### 7.1.3 Conducted Emissions Test

The spectrum analyzer was used as a measuring meter. The data was collected with the spectrum analyzer in the peak detect mode with the "Max Hold" feature activated. The quasi-peak was used only where indicated in the data sheets. A transient limiter was used for the protection of the spectrum analyzer input stage, and the offset was adjusted accordingly to read the actual data measured. The LISN output was measured using the spectrum analyzer. The output of the second LISN was terminated by a 50-ohm termination. The effective measurement bandwidth used for this test was 9 kHz.

Please see section 6.2 of this report for mounting, bonding, and grounding of the EUT. The EUT was powered through the LISN, which was bonded to the ground plane. The LISN power was filtered and the filter was bonded to the ground plane. The EUT was set up with the minimum distances from any conductive surfaces as specified in ANSI C63.4. The excess power cord was wrapped in a figure eight pattern to form a bundle not exceeding 0.4 meters in length.

The conducted emissions from the EUT were maximized for operating mode as well as cable placement. The final data was collected under program control by the Compatible Electronics software in several overlapping sweeps by running the spectrum analyzer at a minimum scan rate of 10 seconds per octave. The six highest emissions are listed in Table 2.0. The final qualification data is located in Appendix E.

#### Test Results:

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B and the limits of CFR Title 47, part 15, subpart C, section 15.207 for conducted emissions.



#### 7.1.4 RF Emissions Test Results

Table 1.0 RADIATED EMISSION RESULTS  
High Range BLE/ANT Module, Model: SRU232

| Frequency MHz                            | Average Corrected Reading* dBuV | Specification Limit dBuV | Delta (Cor. Reading – Spec. Limit) dB |
|------------------------------------------|---------------------------------|--------------------------|---------------------------------------|
| 7206 (V) (X-Axis)<br>(Low Channel) (UFL) | 52.81 (A)                       | 54.00                    | -1.19                                 |
| 7206 (H) (Z-Axis)<br>(Low Channel) (CH)  | 52.68 (A)                       | 54.00                    | -1.32                                 |
| 7206 (H) (Z-Axis)<br>(Low Channel) (UFL) | 52.29 (A)                       | 54.00                    | -1.71                                 |
| 7320 (V) (X-Axis)<br>(High Channel) (CH) | 52.08 (A)                       | 54.00                    | -1.92                                 |
| 4804 (H) (Y-Axis)<br>(Low Channel) (UFL) | 51.64 (A)                       | 54.00                    | -2.36                                 |
| 4804 (H) (Z-Axis)<br>(Low Channel) (UFL) | 51.47 (A)                       | 54.00                    | -2.53                                 |

Table 2.0 CONDUCTED EMISSION RESULTS  
High Range BLE/ANT Module, Model: SRU232

| Frequency MHz    | Corrected Reading* dBuV | Average Specification Limit dBuV | Delta (Emission – Spec. Limit) dB |
|------------------|-------------------------|----------------------------------|-----------------------------------|
| 0.641 (WL) (UFL) | 37.24                   | 46.00                            | -8.76                             |
| 1.434 (WL) (UFL) | 36.58                   | 46.00                            | -9.42                             |
| 4.480 (BL) (UFL) | 36.55                   | 46.00                            | -9.45                             |
| 0.953 (WL) (CH)  | 36.54                   | 46.00                            | -9.46                             |
| 3.383 (WL) (UFL) | 36.44                   | 46.00                            | -9.56                             |
| 2.238 (WL) (UFL) | 36.44                   | 46.00                            | -9.56                             |
| 0.641 (BL) (CH)  | 36.44                   | 46.00                            | -9.56                             |

Notes:

- \* The complete emissions data is given in Appendix E of this report.
- (BL) Black Lead
- (WL) White Lead
- (H) Horizontal (CH) Chip Antenna
- (V) Vertical (UFL) UFL Antenna
- (QP) Average Reading

## 7.2 Peak Output Power

The Peak Output Power was measured using the EMI Receiver. The peak output power was measured using a direct connection from the RF output of the EUT. The resolution bandwidth was 3 MHz and the video bandwidth was 10 MHz. The cable loss was also added back into the reading using the reference level offset.

### Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (b)(2). The maximum peak output power is less than 1 W. Please see the data sheets located in Appendix E.

Since direct measurements tests could not be performed on the chip antenna the peak output power was calculated by the following equation:

$$P = [(E \cdot D)^2] / (30 \cdot G)$$

Where:

P = Power in Watts for which you are solving

E = The measured maximum field strength in V/m utilizing the widest available RBW.

G = The numeric gain of the transmitting antenna over an isotropic radiator.

### Test Results:

This test complies with the relevant requirements of CFR Title 47, Part 15, Subpart C section 15.247 (b)(3).

### 7.3 RF Antenna Conducted Test

The RF antenna conducted test was performed using the EMI Receiver. The RF antenna conducted test measured using a direct connection from the RF out on the EUT into the input of the EMI Receiver. The resolution bandwidth was 100 kHz, and the video bandwidth was 300 kHz. The spans were wide enough to include all the harmonics and emissions that were produced by the intentional radiator.

#### **Test Results:**

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (d). The RF power that is produced by the intentional radiator is at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of desired power. Please see the radiated emission data sheets located in Appendix E.

Since antenna conducted tests could not be performed on the chip antenna all harmonics were tested using the radiated emissions test procedure located in section 7.1.2 of this test report.

#### **Test Results:**

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (d). The RF power that is produced by the intentional radiator is at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of desired power. Please see the radiated emission data sheets located in Appendix E.

## 7.4 RF Band Edges

The RF band edges were taken at the edges of the ISM spectrum (2400 MHz when the EUT was on the low channel and 2483.5 MHz when the EUT was on the high channel) using the EMI Receiver. The RBW was set to 1 MHz and the VBW was set to 3 MHz. Plots of the fundamental were taken to ensure the amplitude at the band edges were at least 20 dB down from the peak of the fundamental emission. A preamplifier was used to boost the signal level, with the plots being taken at a 3 meter test distance. The radiated emissions test procedure as describe in section 7.1.2 of this test report was used to maximize the emission.

### Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (d). The RF power at the band edges at 2400 MHz and 2483.5 MHz meet the requirements of FCC Title 47, Part 15, Subpart C section 15.247 (d). Please see the data sheets located in Appendix E.

## 7.5 DTS Bandwidth

The DTS Bandwidth was measured using the EMI Receiver. The resolution bandwidth was 100 kHz and the video bandwidth was 300 kHz.

### Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (a)(2). The 6 dB bandwidth is greater than 500 kHz. Please see the data sheets located in Appendix E.

## 7.6 Spectral Density Test

The spectrum density output was measured using the EMI Receiver. The spectral density output was measured using a direct connection from the RF out on the EUT into the input of the EMI Receiver. The resolution bandwidth 3 kHz, and the video bandwidth was 10 kHz. The highest 1.5 MHz of the signal was used as the frequency span with the sweep rate being 1 second for every 3 kHz of span.

### Test Results:

This test complies with the relevant requirements of CFR Title 47, Part 15, Subpart C section 15.247 (e).

Since antenna conducted tests could not be performed on the chip antenna, the spectral density was measured as follows:

1. The spectrum analyzer was tuned to the highest point of the maximized fundamental emission based on the procedure used in section 7.1.1. The spectrum analyzer was then set to an RBW of 3 kHz, VBW of 10 kHz, frequency span of 300 kHz, and a sweep time of 100 seconds. Using these settings, the peak level was obtained.
2. Using the peak level obtained in step 1, the field strength, E, was derived by applying the appropriate antenna factor, cable loss, and pre-amp gain for that frequency.
3. The following equation was then used to calculate the power level for comparison to the +8 dBm limit:

$$P = [(E \cdot D)^2] / (30 \cdot G)$$

Where:

P = Power in Watts for which you are solving

E = the field strength in V/m obtained in step B

G = the numeric gain of the transmitting antenna over an isotropic radiator

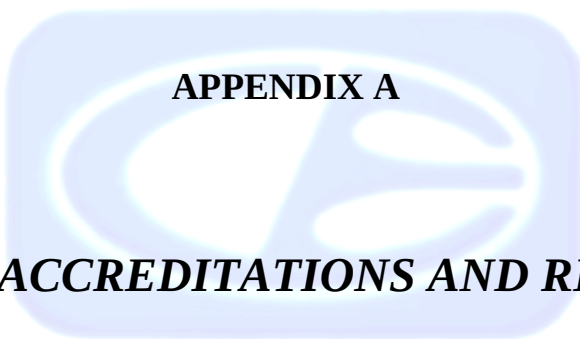
### Test Results:

This test complies with the relevant requirements of CFR Title 47, Part 15, Subpart C section 15.247 (e).

## 8. CONCLUSIONS

The High Range BLE/ANT Module, Model: SRU232, as tested, meets all of the specification limits defined in FCC Title 47, Part 15, Subpart B, and Subpart C, sections 15.205, 15.209, and 15.247.





## APPENDIX A

# ***LABORATORY ACCREDITATIONS AND RECOGNITIONS***

---

**Brea Division**  
114 Olinda Drive  
Brea, CA 92823  
(714) 579-0500

**Agoura Division**  
2337 Troutdale Drive  
Agoura, CA 91301  
(818) 597-0600

**Silverado Division**  
19121 El Toro Road  
Silverado, CA 92676  
(949) 589-0700

**Lake Forest Division**  
20621 Pascal Way  
Lake Forest, CA 92630  
(949) 587-0400

## LABORATORY ACCREDITATIONS AND RECOGNITIONS



For US, Canada, Australia/New Zealand, Japan, Taiwan, Korea, and the European Union, Compatible Electronics is currently accredited by NVLAP to ISO/IEC 17025. Please follow the link to the NIST/NVLAP site for each of our facilities' NVLAP certificate and scope of accreditation

**NVLAP listing links**

[Agoura Division](#) / [Brea Division](#) / [Silverado/Lake Forest Division](#)

.Quote from ISO-ILAC-IAF Communiqué on 17025:

"A laboratory's fulfilment of the requirements of ISO/IEC 17025:2005 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025:2005 (Section 4) are written in language relevant to laboratory operations and meet the principles of ISO 9001:2008 Quality Management Systems — Requirements."



**ANSI listing** [CETCB](#)



Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for EMC under the US/EU Mutual Recognition Agreement (MRA).

**US/EU MRA list** [NIST MRA site](#)



Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for Taiwan/BSMI under the US/APEC (Asia-Pacific Economic Cooperation) Mutual Recognition Agreement (MRA).

**APEC MRA list** [NIST MRA site](#)

We are also listed for IT products by the following country/agency:



**VCCI Support member:** Please visit [http://www.vcci.jp/vcci\\_e/](http://www.vcci.jp/vcci_e/)



**FCC Listing, from FCC OET site**

[FCC test lab search](#) <https://fjallfoss.fcc.gov/oetcf/eas/reports/TestFirmSearch.cfm>



Compatible Electronics IC listing can be found at:

<http://www.ic.gc.ca/eic/site/ic1.nsf/eng/home>

**Brea Division**  
114 Olinda Drive  
Brea, CA 92823  
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20621 Pascal Way  
Lake Forest, CA 92630  
(949) 587-0400





**APPENDIX B**

***MODIFICATIONS TO THE EUT***

## MODIFICATIONS TO THE EUT

The modifications listed below were made to the EUT to pass FCC Subpart B and FCC 15.247 specifications.

All the rework described below was implemented during the test in a method that could be reproduced in all the units by the manufacturer.

The EUT was not modified during the testing.





**APPENDIX C**

***ADDITIONAL MODELS COVERED  
UNDER THIS REPORT***

## **ADDITIONAL MODELS COVERED UNDER THIS REPORT**

USED FOR THE PRIMARY TEST

High Range BLE/ANT Module  
Model: SRU232  
S/N: N/A

There were no additional models covered under this report.



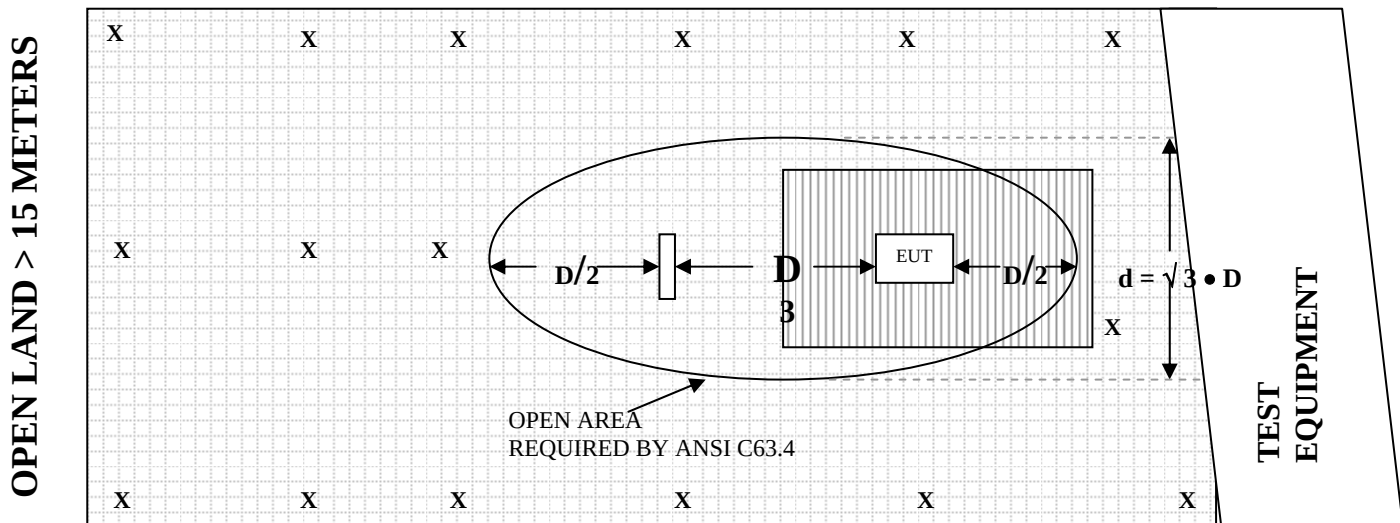


**APPENDIX D**

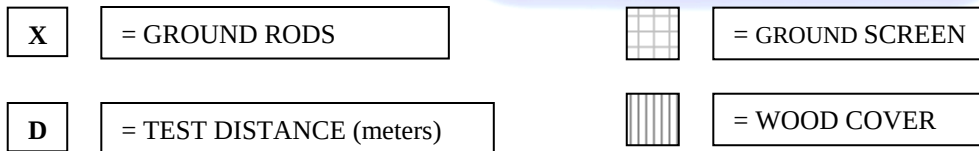
***DIAGRAMS AND CHARTS***

## FIGURE 1: PLOT MAP AND LAYOUT OF RADIATED SITE

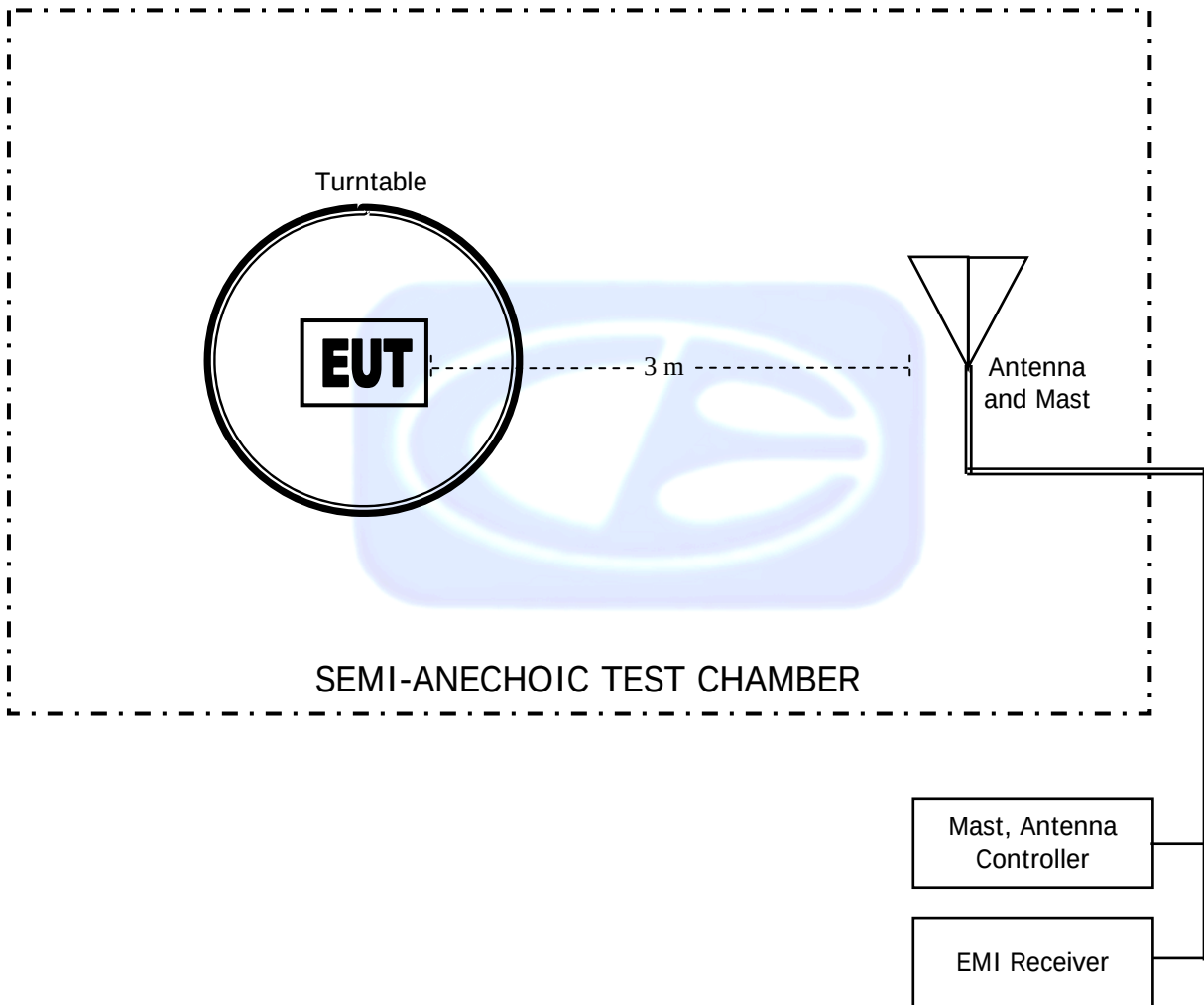
### OPEN LAND > 15 METERS



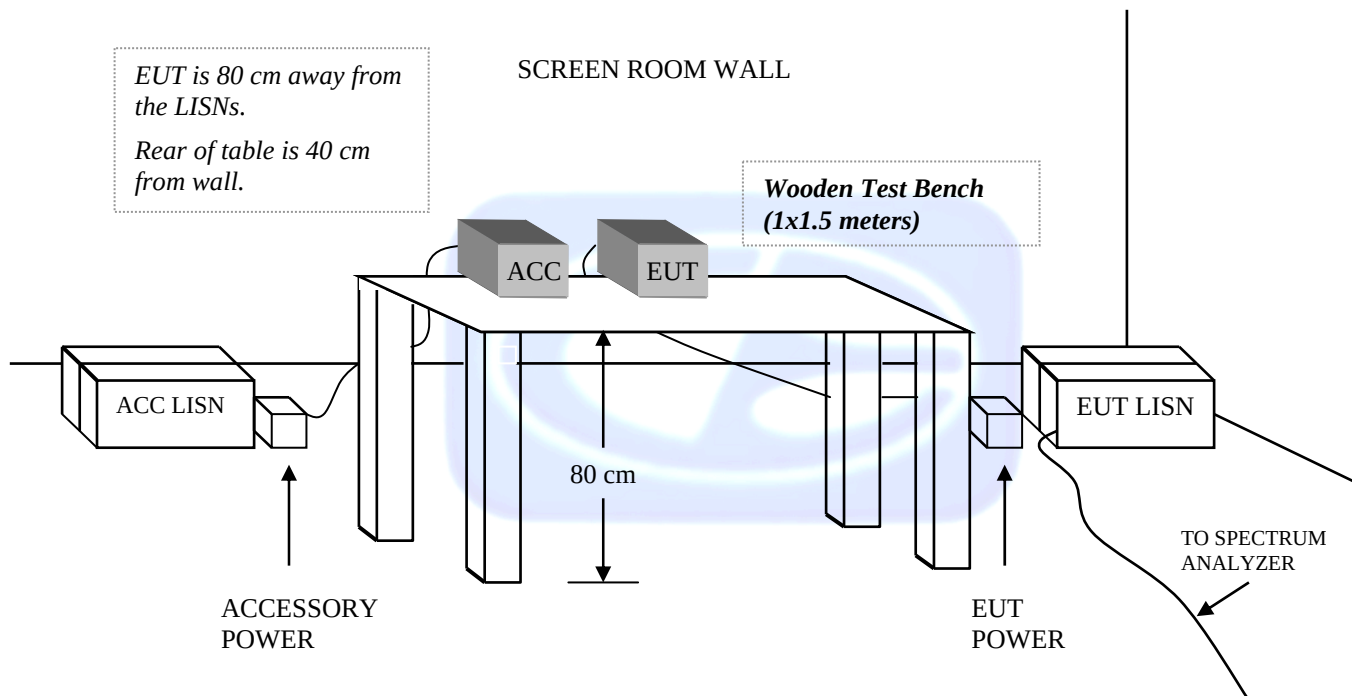
### OPEN LAND > 15 METERS



**FIGURE 2: LAYOUT OF THE SEMI-ANECHOIC TEST CHAMBER**



**FIGURE 3: CONDUCTED EMISSIONS TEST SETUP**





**COM-POWER AL-130****LOOP ANTENNA**

S/N: 17089

CALIBRATION DATE: FEBRUARY 6, 2015

| <b>FREQUENCY<br/>(MHz)</b> | <b>MAGNETIC<br/>(dB/m)</b> | <b>ELECTRIC<br/>(dB/m)</b> |
|----------------------------|----------------------------|----------------------------|
| 0.009                      | -33.18                     | 18.32                      |
| 0.01                       | -34.10                     | 17.40                      |
| 0.02                       | -38.65                     | 12.85                      |
| 0.03                       | -39.28                     | 12.22                      |
| 0.04                       | -40.09                     | 11.41                      |
| 0.05                       | -40.85                     | 10.65                      |
| 0.06                       | -40.88                     | 10.62                      |
| 0.07                       | -41.07                     | 10.43                      |
| 0.08                       | -41.04                     | 10.46                      |
| 0.09                       | -41.19                     | 10.31                      |
| 0.1                        | -41.20                     | 10.30                      |
| 0.2                        | -41.52                     | 9.98                       |
| 0.3                        | -41.53                     | 9.97                       |
| 0.4                        | -41.42                     | 10.08                      |
| 0.5                        | -41.53                     | 9.97                       |
| 0.6                        | -41.53                     | 9.97                       |
| 0.7                        | -41.43                     | 10.07                      |
| 0.8                        | -41.23                     | 10.27                      |
| 0.9                        | -41.13                     | 10.37                      |
| 1                          | -41.14                     | 10.36                      |
| 2                          | -40.80                     | 10.70                      |
| 3                          | -40.66                     | 10.84                      |
| 4                          | -40.61                     | 10.89                      |
| 5                          | -40.33                     | 11.17                      |
| 6                          | -40.53                     | 10.97                      |
| 7                          | -40.47                     | 11.03                      |
| 8                          | -40.48                     | 11.02                      |
| 9                          | -39.93                     | 11.57                      |
| 10                         | -39.81                     | 11.69                      |
| 15                         | -43.35                     | 8.15                       |
| 20                         | -39.16                     | 12.34                      |
| 25                         | -40.24                     | 11.26                      |
| 30                         | -43.18                     | 8.32                       |

**COM-POWER AC-220****COMBILOG ANTENNA****S/N: 61060****CALIBRATION DATE: MAY 20, 2014**

| <b>FREQUENCY<br/>(MHz)</b> | <b>FACTOR<br/>(dB)</b> | <b>FREQUENCY<br/>(MHz)</b> | <b>FACTOR<br/>(dB)</b> |
|----------------------------|------------------------|----------------------------|------------------------|
| 30                         | 23.40                  | 200                        | 14.40                  |
| 35                         | 23.70                  | 250                        | 16.40                  |
| 40                         | 24.20                  | 300                        | 17.90                  |
| 45                         | 22.60                  | 350                        | 15.60                  |
| 50                         | 22.10                  | 400                        | 19.90                  |
| 60                         | 17.90                  | 450                        | 20.40                  |
| 70                         | 12.70                  | 500                        | 21.60                  |
| 80                         | 11.60                  | 550                        | 21.50                  |
| 90                         | 12.20                  | 600                        | 22.30                  |
| 100                        | 13.20                  | 650                        | 23.50                  |
| 120                        | 15.70                  | 700                        | 23.70                  |
| 125                        | 15.80                  | 750                        | 25.90                  |
| 140                        | 13.60                  | 800                        | 25.90                  |
| 150                        | 16.90                  | 850                        | 26.40                  |
| 160                        | 14.20                  | 900                        | 27.00                  |
| 175                        | 14.90                  | 950                        | 27.70                  |
| 180                        | 15.00                  | 1000                       | 27.50                  |

**COM POWER AH-118****HORN ANTENNA****S/N: 071175****CALIBRATION DATE: FEBRUARY 26, 2014**

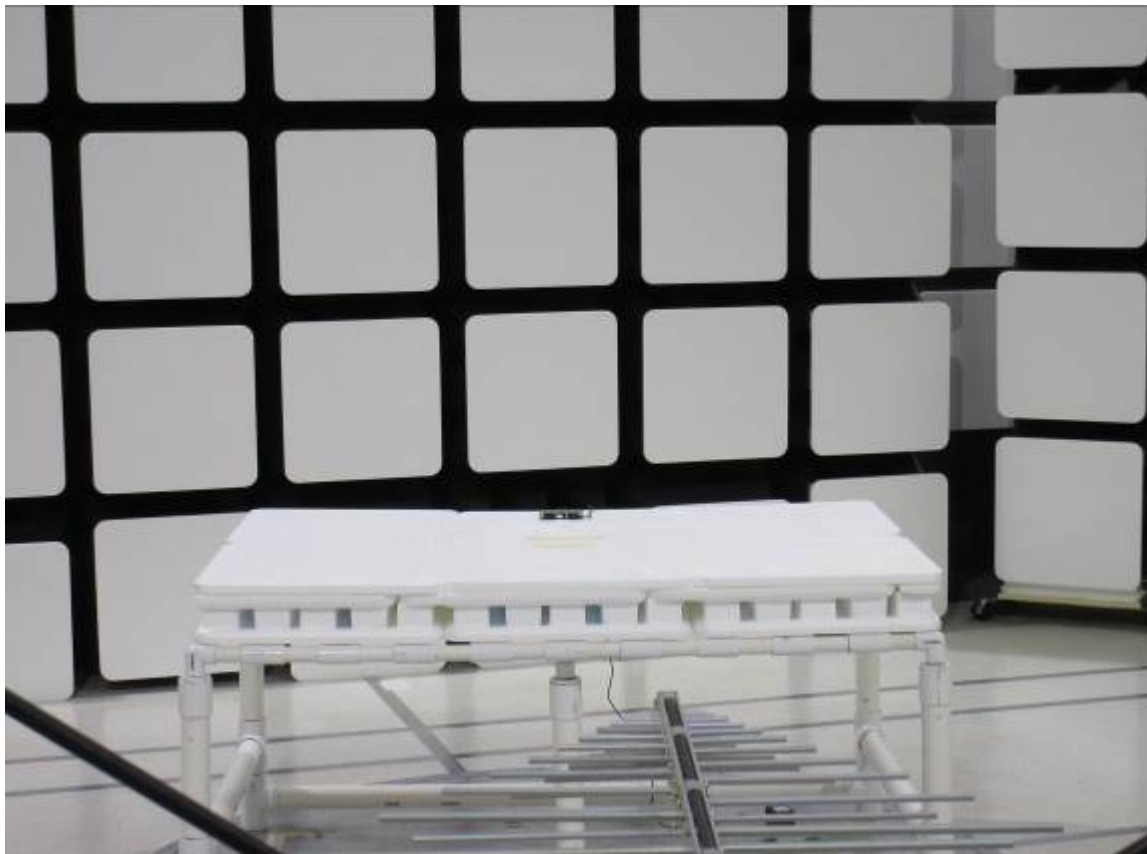
| <b>FREQUENCY<br/>(GHz)</b> | <b>FACTOR<br/>(dB)</b> | <b>FREQUENCY<br/>(GHz)</b> | <b>FACTOR<br/>(dB)</b> |
|----------------------------|------------------------|----------------------------|------------------------|
| 1.0                        | 24.23                  | 10.0                       | 38.43                  |
| 1.5                        | 25.84                  | 10.5                       | 40.19                  |
| 2.0                        | 28.14                  | 11.0                       | 40.49                  |
| 2.5                        | 29.51                  | 11.5                       | 41.39                  |
| 3.0                        | 31.20                  | 12.0                       | 42.02                  |
| 3.5                        | 32.17                  | 12.5                       | 43.30                  |
| 4.0                        | 31.40                  | 13.0                       | 42.77                  |
| 4.5                        | 31.86                  | 13.5                       | 40.18                  |
| 5.0                        | 34.82                  | 14.0                       | 42.59                  |
| 5.5                        | 34.38                  | 14.5                       | 41.74                  |
| 6.0                        | 36.31                  | 15.0                       | 41.84                  |
| 6.5                        | 34.81                  | 15.5                       | 38.48                  |
| 7.0                        | 37.48                  | 16.0                       | 39.52                  |
| 7.5                        | 36.98                  | 16.5                       | 37.85                  |
| 8.0                        | 36.66                  | 17.0                       | 41.33                  |
| 8.5                        | 38.47                  | 17.5                       | 44.96                  |
| 9.0                        | 37.22                  | 18.0                       | 48.50                  |
| 9.5                        | 37.86                  |                            |                        |

**COM-POWER PA-118****PREAMPLIFIER**

S/N: 551024

CALIBRATION DATE: MARCH 6, 2015

| <b>FREQUENCY<br/>(GHz)</b> | <b>FACTOR<br/>(dB)</b> | <b>FREQUENCY<br/>(GHz)</b> | <b>FACTOR<br/>(dB)</b> |
|----------------------------|------------------------|----------------------------|------------------------|
| 1.0                        | 39.76                  | 6.0                        | 38.77                  |
| 1.1                        | 40.46                  | 6.5                        | 38.46                  |
| 1.2                        | 40.05                  | 7.0                        | 38.27                  |
| 1.3                        | 40.58                  | 7.5                        | 38.77                  |
| 1.4                        | 39.50                  | 8.0                        | 39.25                  |
| 1.5                        | 39.92                  | 8.5                        | 38.63                  |
| 1.6                        | 40.40                  | 9.0                        | 39.58                  |
| 1.7                        | 40.10                  | 9.5                        | 42.12                  |
| 1.8                        | 40.49                  | 10.0                       | 38.53                  |
| 1.9                        | 38.86                  | 11.0                       | 40.21                  |
| 2.0                        | 41.53                  | 12.0                       | 41.15                  |
| 2.5                        | 41.05                  | 13.0                       | 40.51                  |
| 3.0                        | 40.29                  | 14.0                       | 40.32                  |
| 3.5                        | 40.82                  | 15.0                       | 39.47                  |
| 4.0                        | 40.88                  | 16.0                       | 39.88                  |
| 4.5                        | 41.37                  | 17.0                       | 39.79                  |
| 5.0                        | 40.73                  | 18.0                       | 40.61                  |
| 5.5                        | 39.05                  |                            |                        |



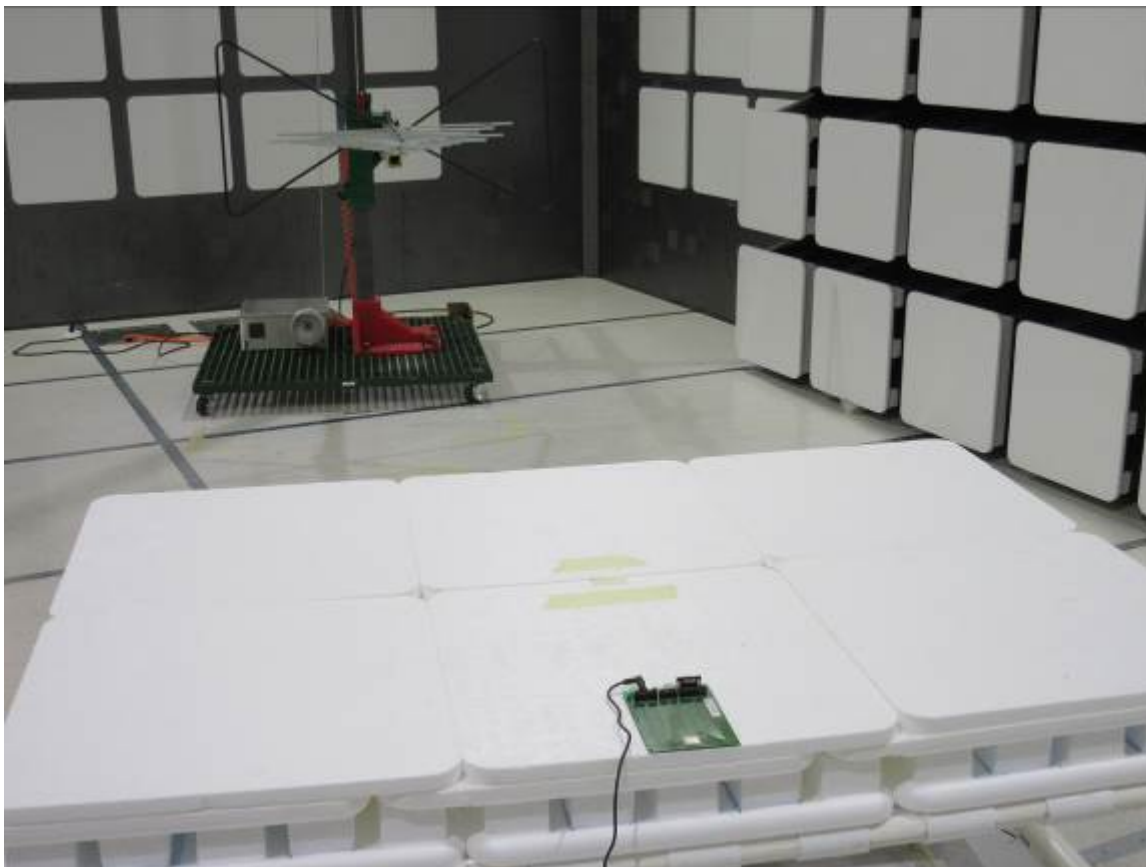
**FRONT VIEW**

**CHIP ANTENNA**

DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232

FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



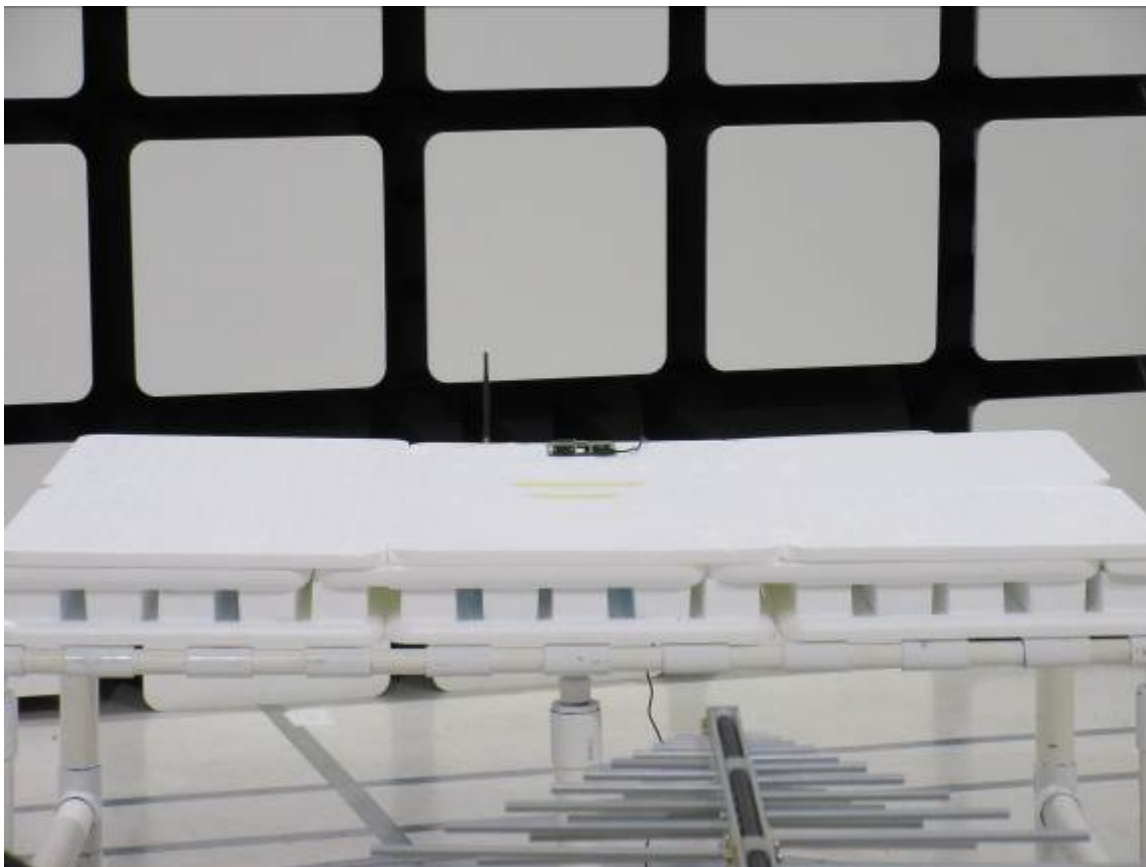
**REAR VIEW**

**CHIP ANTENNA**

DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232

FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



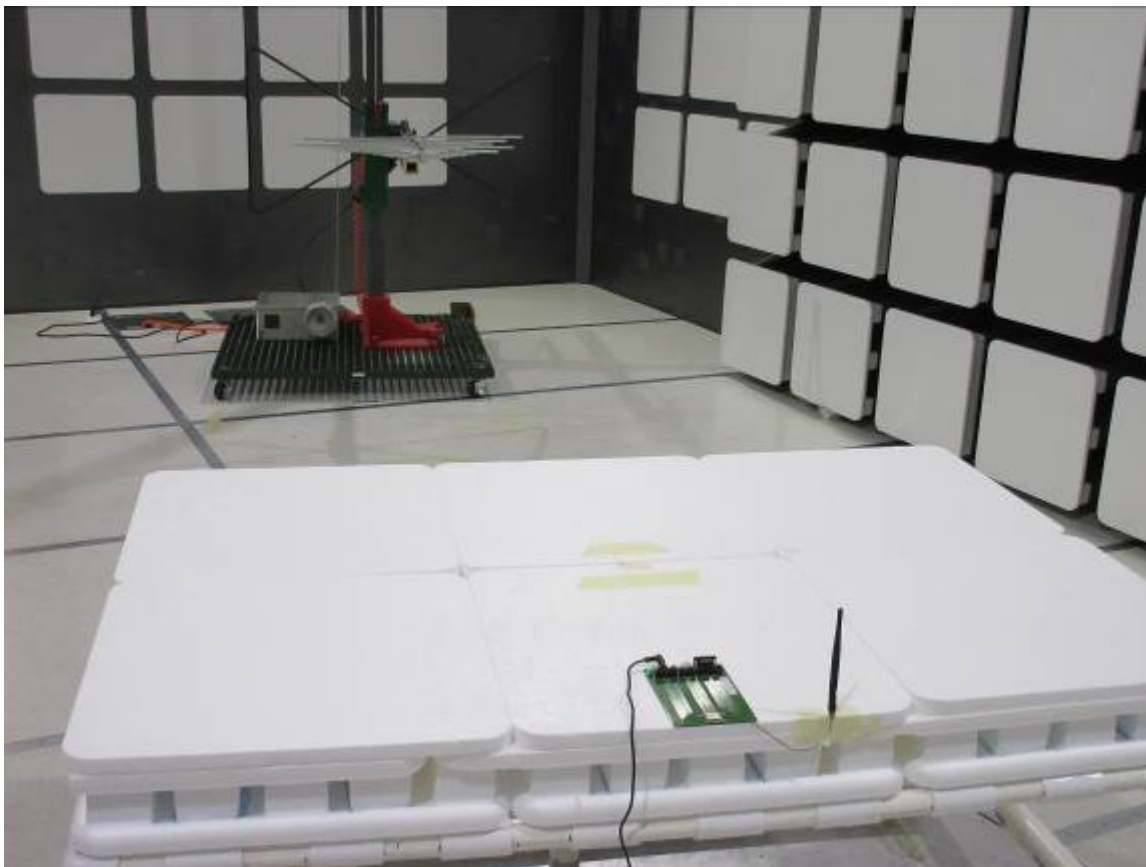
**FRONT VIEW**

**UFL ANTENNA**

DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232

FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



**REAR VIEW**

**UFL ANTENNA**

**DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232**

**FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz**

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**





**FRONT VIEW**

**CHIP ANTENNA**

DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232

FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



**REAR VIEW**

**CHIP ANTENNA**

DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232

FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



**FRONT VIEW**

**UFL ANTENNA**

DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232

FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



**REAR VIEW**

**UFL ANTENNA**

**DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232**

**FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz**

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**





**FRONT VIEW**

**CHIP ANTENNA**

DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232  
FCC SUBPART B AND C – CONDUCTED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



**REAR VIEW**

**CHIP ANTENNA**

DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232  
FCC SUBPART B AND C – CONDUCTED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



**FRONT VIEW**

**UFL ANTENNA**

**DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232  
FCC SUBPART B AND C – CONDUCTED EMISSIONS**

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



**REAR VIEW**

**UFL ANTENNA**

**DELPHIAN SYSTEMS LLC  
HIGH RANGE BLE/ANT MODULE  
MODEL: SRU232  
FCC SUBPART B AND C – CONDUCTED EMISSIONS**

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**





**APPENDIX E**

***DATA SHEETS***



***RADIATED EMISSIONS***

***DATA SHEETS***



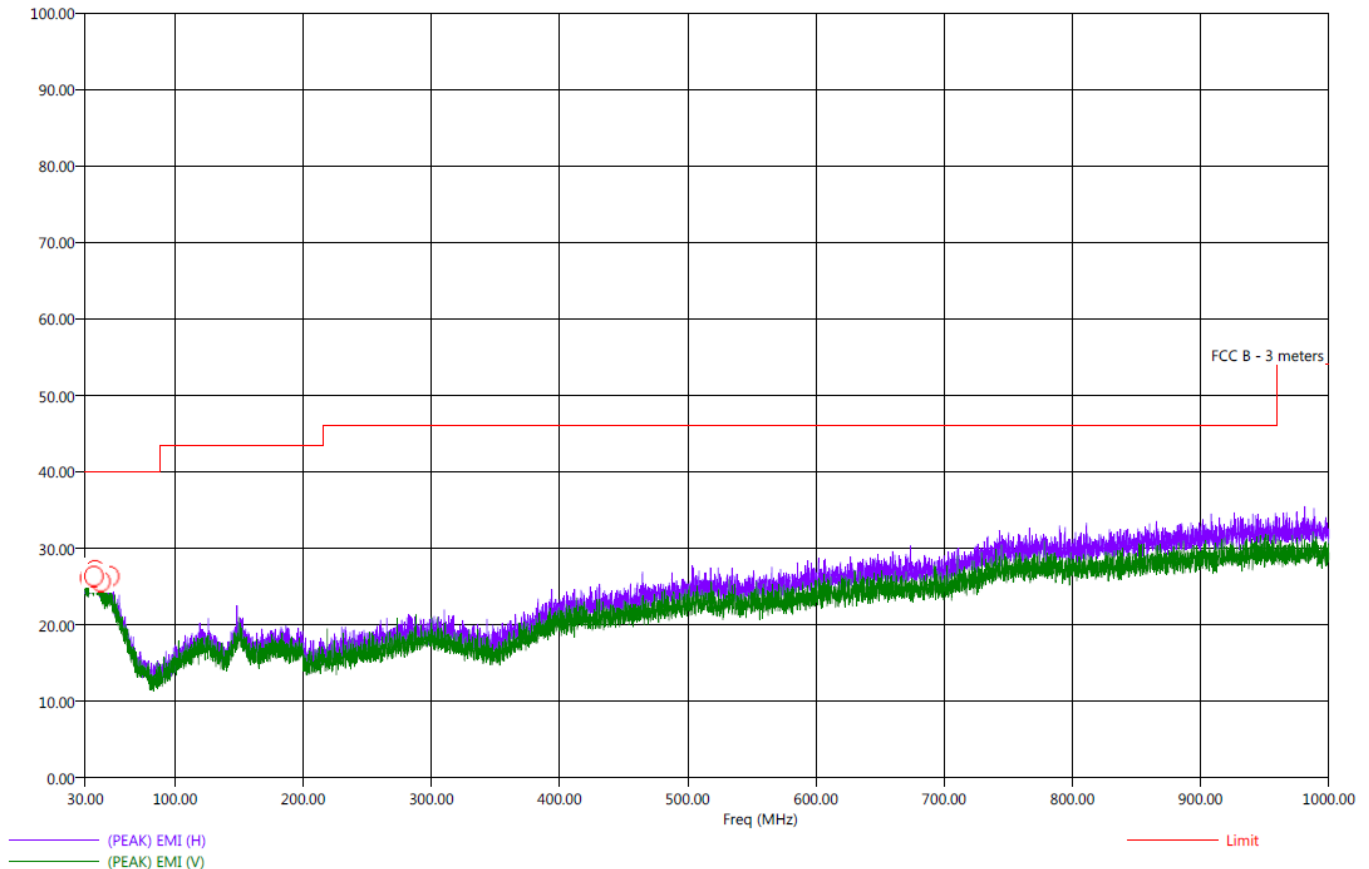
***RADIATED EMISSIONS  
DATA SHEETS  
CHIP ANTENNA***

Title: Radiated Pre-Scan 30 - 1000 MHz - FCC Class B  
File: Radiated Pre-Scan 30-1000Mhz - FCC Class B - X-Axis.set  
Operator: Kenneth Lee  
EUT Type: High Range BLE/ANT Module  
EUT Condition: Continuously Transmitting - X-Axis - Worst Case  
Comments: Customer: Delphian Systems LLC  
Model: SRU232  
Note: Chip Antenna

4/1/2015 12:26:12 PM  
Sequence: Preliminary Scan

## Pre-Scan - FCC B

Electric Field Strength (dBμV/m)



Title: Final Scan - FCC Class B  
File: Radiated Final 30-1000Mhz -FCC Class B.set  
Operator: Kenneth Lee  
EUT Type: High Range BLE/ANT Module  
EUT Condition: Continuously Transmitting - X-Axis - Worst Case  
Comments: Customer: Delphian Systems LLC  
Model: SRU232  
Note: Chip Antenna

4/1/2015 2:16:25 PM  
Sequence: Final Measurements

## Final Scan - FCC Class B

| Freq<br>(MHz) | Pol | (PEAK) EMI<br>(dBμV/m) | (QP) EMI<br>(dBμV/m) | (PEAK) Margin<br>(dB) | (QP) Margin<br>(dB) | Limit<br>(dBμV/m) | Transducer<br>(dB) | Cable<br>(dB) | Ttbl Aql<br>(deg) | Twr Ht<br>(cm) |
|---------------|-----|------------------------|----------------------|-----------------------|---------------------|-------------------|--------------------|---------------|-------------------|----------------|
| 33.50         | H   | 25.89                  | 20.09                | -14.11                | -19.91              | 40.00             | 23.62              | 0.38          | 68.00             | 341.82         |
| 36.80         | V   | 25.95                  | 20.53                | -14.05                | -19.47              | 40.00             | 23.89              | 0.41          | 117.50            | 161.04         |
| 37.70         | H   | 25.78                  | 20.63                | -14.22                | -19.37              | 40.00             | 23.98              | 0.41          | 311.75            | 160.98         |
| 39.90         | H   | 26.24                  | 20.92                | -13.76                | -19.08              | 40.00             | 24.19              | 0.43          | 311.25            | 144.50         |
| 42.20         | V   | 26.12                  | 20.19                | -13.88                | -19.81              | 40.00             | 23.44              | 0.45          | 75.00             | 210.47         |
| 49.20         | H   | 24.61                  | 19.18                | -15.39                | -20.82              | 40.00             | 22.18              | 0.49          | 296.25            | 161.04         |









**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Low Channel - Chip Antenna  
Transmit Mode - X-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4804           | 53.55           | V            | 74    | -20.45 | Peak                  | 1.25                  | 165                     |              |
| 4804           | 44.11           | V            | 54    | -9.89  | Avg                   | 1.25                  | 165                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7206           | 55.08           | V            | 74    | -18.92 | Peak                  | 1.35                  | 175                     |              |
| 7206           | 50.01           | V            | 54    | -3.99  | Avg                   | 1.35                  | 175                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9608           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9608           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12010          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14412          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions |
| 16814          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19216          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21618          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24020          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto**Low Channel - Chip Antenna  
Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4804           | 48.42           | V            | 74    | -25.58 | Peak                  | 1.25                  | 0                       |              |
| 4804           | 40.98           | V            | 54    | -13.02 | Avg                   | 1.25                  | 0                       |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7206           | 54.11           | V            | 74    | -19.89 | Peak                  | 1.35                  | 0                       |              |
| 7206           | 46.27           | V            | 54    | -7.73  | Avg                   | 1.35                  | 0                       |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9608           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9608           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12010          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14412          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions |
| 16814          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19216          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21618          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24020          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
 High Range BLE/ANT Module  
 Model: SRU232

Date: 03/19/2015  
 Lab: B  
 Tested By: Kyle Fujimoto

**Low Channel - Chip Antenna  
 Transmit Mode - Z-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4804           | 48.25           | V            | 74    | -25.75 | Peak                  | 1.25                  | 225                     |              |
| 4804           | 41.78           | V            | 54    | -12.22 | Avg                   | 1.25                  | 225                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7206           | 52.13           | V            | 74    | -21.87 | Peak                  | 1.25                  | 135                     |              |
| 7206           | 44.04           | V            | 54    | -9.96  | Avg                   | 1.25                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9608           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9608           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12010          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14412          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions |
| 16814          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19216          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21618          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24020          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Low Channel - Chip Antenna**  
**Transmit Mode - X-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4804           | 47.52           | H            | 74    | -26.48 | Peak                  | 1.25                  | 155                     |              |
| 4804           | 38.72           | H            | 54    | -15.28 | Avg                   | 1.25                  | 155                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7206           | 49.09           | H            | 74    | -24.91 | Peak                  | 1.35                  | 165                     |              |
| 7206           | 42.75           | H            | 54    | -11.25 | Avg                   | 1.35                  | 165                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9608           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9608           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12010          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14412          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions |
| 16814          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19216          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21618          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24020          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Low Channel - Chip Antenna  
Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4804           | 51.97           | H            | 74    | -22.03 | Peak                  | 1.25                  | 155                     |              |
| 4804           | 42.44           | H            | 54    | -11.56 | Avg                   | 1.25                  | 155                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7206           | 50.54           | H            | 74    | -23.46 | Peak                  | 1.35                  | 165                     |              |
| 7206           | 43.37           | H            | 54    | -10.63 | Avg                   | 1.35                  | 165                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9608           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9608           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12010          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14412          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions |
| 16814          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19216          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21618          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24020          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Low Channel - Chip Antenna  
Transmit Mode - Z-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4804           | 54.06           | H            | 74    | -19.94 | Peak                  | 1.25                  | 225                     |              |
| 4804           | 50.73           | H            | 54    | -3.27  | Avg                   | 1.25                  | 225                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7206           | 56.72           | H            | 74    | -17.28 | Peak                  | 1.35                  | 225                     |              |
| 7206           | 52.68           | H            | 54    | -1.32  | Avg                   | 1.35                  | 225                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9608           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9608           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12010          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14412          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions |
| 16814          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19216          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21618          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24020          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Middle Channel - Chip Antenna  
Transmit Mode - X-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4880           | 49.57           | V            | 74    | -24.43 | Peak                  | 1.25                  | 155                     |              |
| 4880           | 41.78           | V            | 54    | -12.22 | Avg                   | 1.25                  | 155                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7320           | 57.24           | V            | 74    | -16.76 | Peak                  | 1.25                  | 175                     |              |
| 7320           | 52.08           | V            | 54    | -1.92  | Avg                   | 1.25                  | 175                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9760           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9760           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12200          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14640          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14640          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17080          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19520          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21960          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Middle Channel - Chip Antenna  
Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4880           | 51.07           | V            | 74    | -22.93 | Peak                  | 1.25                  | 180                     |              |
| 4880           | 45.11           | V            | 54    | -8.89  | Avg                   | 1.25                  | 180                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7320           | 55.08           | V            | 74    | -18.92 | Peak                  | 1.25                  | 165                     |              |
| 7320           | 50.91           | V            | 54    | -3.09  | Avg                   | 1.25                  | 165                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9760           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9760           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12200          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14640          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14640          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17080          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19520          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21960          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |



**FCC 15.247**

Delphian Systems LLC  
 High Range BLE/ANT Module  
 Model: SRU232

Date: 03/19/2015  
 Lab: B  
 Tested By: Kyle Fujimoto

**Middle Channel - Chip Antenna  
 Transmit Mode - Z-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4880           | 50.56           | V            | 74    | -23.44 | Peak                  | 1.25                  | 135                     |              |
| 4880           | 43.21           | V            | 54    | -10.79 | Avg                   | 1.25                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7320           | 51.56           | V            | 74    | -22.44 | Peak                  | 1.35                  | 165                     |              |
| 7320           | 43.19           | V            | 54    | -10.81 | Avg                   | 1.35                  | 165                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9760           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9760           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12200          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14640          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14640          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17080          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19520          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21960          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Middle Channel - Chip Antenna  
Transmit Mode - X-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4880           | 52.19           | H            | 74    | -21.81 | Peak                  | 1.25                  | 155                     |              |
| 4880           | 46.55           | H            | 54    | -7.45  | Avg                   | 1.25                  | 155                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7320           | 53.48           | H            | 74    | -20.52 | Peak                  | 1.35                  | 165                     |              |
| 7320           | 43.71           | H            | 54    | -10.29 | Avg                   | 1.35                  | 165                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9760           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9760           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12200          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14640          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14640          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17080          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19520          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21960          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
 High Range BLE/ANT Module  
 Model: SRU232

Date: 03/19/2015  
 Lab: B  
 Tested By: Kyle Fujimoto

**Middle Channel - Chip Antenna  
 Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4880           | 50.34           | H            | 74    | -23.66 | Peak                  | 1.25                  | 135                     |              |
| 4880           | 43.81           | H            | 54    | -10.19 | Avg                   | 1.25                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7320           | 53.08           | H            | 74    | -20.92 | Peak                  | 1.35                  | 225                     |              |
| 7320           | 47.41           | H            | 54    | -6.59  | Avg                   | 1.35                  | 225                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9760           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9760           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12200          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14640          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14640          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17080          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19520          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21960          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Middle Channel - Chip Antenna  
Transmit Mode - Z-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4880           | 53.11           | H            | 74    | -20.89 | Peak                  | 1.25                  | 155                     |              |
| 4880           | 46.33           | H            | 54    | -7.67  | Avg                   | 1.25                  | 155                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7320           | 56.12           | H            | 74    | -17.88 | Peak                  | 1.25                  | 155                     |              |
| 7320           | 50.93           | H            | 54    | -3.07  | Avg                   | 1.25                  | 155                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9760           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9760           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12200          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14640          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14640          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17080          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19520          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21960          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto**High Channel - Chip Antenna  
Transmit Mode - X-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 52.77           | V            | 74    | -21.23 | Peak                  | 1.25                  | 165                     |              |
| 4960           | 46.67           | V            | 54    | -7.33  | Avg                   | 1.25                  | 165                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 52.25           | V            | 74    | -21.75 | Peak                  | 1.25                  | 180                     |              |
| 7440           | 44.58           | V            | 54    | -9.42  | Avg                   | 1.25                  | 180                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto**High Channel - Chip Antenna**  
**Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 52.62           | V            | 74    | -21.38 | Peak                  | 1.35                  | 225                     |              |
| 4960           | 44.24           | V            | 54    | -9.76  | Avg                   | 1.35                  | 225                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 52.25           | V            | 74    | -21.75 | Peak                  | 1.25                  | 225                     |              |
| 7440           | 45.76           | V            | 54    | -8.24  | Avg                   | 1.25                  | 225                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**High Channel - Chip Antenna  
Transmit Mode - Z-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 49.35           | V            | 74    | -24.65 | Peak                  | 1.25                  | 135                     |              |
| 4960           | 43.24           | V            | 54    | -10.76 | Avg                   | 1.25                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 49.69           | V            | 74    | -24.31 | Peak                  | 1.25                  | 45                      |              |
| 7440           | 42.83           | V            | 54    | -11.17 | Avg                   | 1.25                  | 45                      |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232Date: 03/19/2015  
Lab: B  
Tested By: Kyle FujimotoHigh Channel - Chip Antenna  
Transmit Mode - X-Axis

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 50.88           | H            | 74    | -23.12 | Peak                  | 1.25                  | 155                     |              |
| 4960           | 42.66           | H            | 54    | -11.34 | Avg                   | 1.25                  | 155                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 50.41           | H            | 74    | -23.59 | Peak                  | 1.35                  | 135                     |              |
| 7440           | 44.24           | H            | 54    | -9.76  | Avg                   | 1.35                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |



**FCC 15.247**

Delphian Systems LLC  
 High Range BLE/ANT Module  
 Model: SRU232

Date: 03/19/2015  
 Lab: B  
 Tested By: Kyle Fujimoto

**High Channel - Chip Antenna**  
**Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 49.03           | H            | 74    | -24.97 | Peak                  | 1.25                  | 155                     |              |
| 4960           | 42.05           | H            | 54    | -11.95 | Avg                   | 1.25                  | 155                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 50.41           | H            | 74    | -23.59 | Peak                  | 1.25                  | 180                     |              |
| 7440           | 41.58           | H            | 54    | -12.42 | Avg                   | 1.25                  | 180                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**High Channel - Chip Antenna  
Transmit Mode - Z-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 54.43           | H            | 74    | -19.57 | Peak                  | 1.25                  | 135                     |              |
| 4960           | 50.79           | H            | 54    | -3.21  | Avg                   | 1.25                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 53.54           | H            | 74    | -20.46 | Peak                  | 1.35                  | 225                     |              |
| 7440           | 47.26           | H            | 54    | -6.74  | Avg                   | 1.35                  | 225                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |



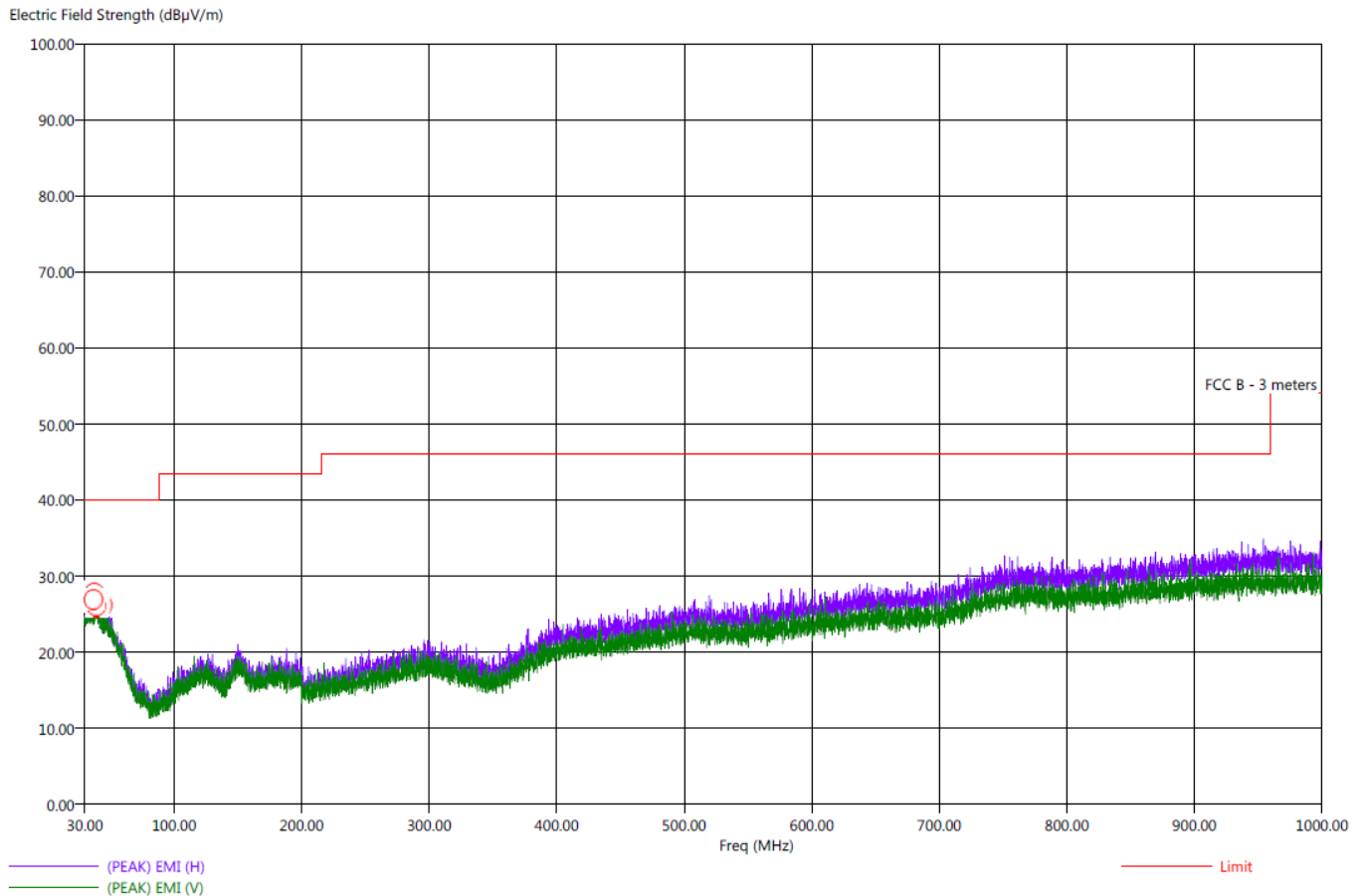


***RADIATED EMISSIONS  
DATA SHEETS  
UFL ANTENNA***

Title: Radiated Pre-Scan 30 - 1000 MHz - FCC Class B  
File: Radiated Pre-Scan 30-1000Mhz - FCC Class B - X-Axis.set  
Operator: Kenneth Lee  
EUT Type: High Range BLE/ANT Module  
EUT Condition: Continuously Transmitting - X-Axis - Worst Case  
Comments: Customer: Delphian Systems LLC  
Model: SRU232  
Note: UFL Antenna

4/1/2015 2:51:08 PM  
Sequence: Preliminary Scan

Pre-Scan - FCC B



Title: Final Scan - FCC Class B  
File: Radiated Final 30-1000Mhz -FCC Class B.set  
Operator: Kenneth Lee  
EUT Type: High Range BLE/ANT Module  
EUT Condition: Continuously Transmitting - X-Axis - Worst Case  
Comments: Customer: Delphian Systems LLC  
Model: SRU232  
Note: UFL Antenna

4/1/2015 4:03:27 PM  
Sequence: Final Measurements

## Final Scan - FCC Class B

| Freq<br>(MHz) | Pol | (PEAK) EMI<br>(dB $\mu$ V/m) | (QP) EMI<br>(dB $\mu$ V/m) | (PEAK) Margin<br>(dB) | (QP) Margin<br>(dB) | Limit<br>(dB $\mu$ V/m) | Transducer<br>(dB) | Cable<br>(dB) | Ttbl Aql<br>(deg) | Twr Ht<br>(cm) |
|---------------|-----|------------------------------|----------------------------|-----------------------|---------------------|-------------------------|--------------------|---------------|-------------------|----------------|
| 36.50         | H   | 25.18                        | 20.37                      | -14.82                | -19.63              | 40.00                   | 23.87              | 0.41          | 291.00            | 391.85         |
| 36.90         | V   | 25.35                        | 20.41                      | -14.65                | -19.59              | 40.00                   | 23.92              | 0.41          | 294.75            | 111.55         |
| 37.60         | H   | 25.20                        | 20.54                      | -14.80                | -19.46              | 40.00                   | 23.96              | 0.41          | 50.75             | 376.26         |
| 39.10         | V   | 26.35                        | 20.70                      | -13.65                | -19.30              | 40.00                   | 24.11              | 0.42          | 258.75            | 359.49         |
| 40.50         | H   | 25.80                        | 20.65                      | -14.20                | -19.35              | 40.00                   | 24.06              | 0.43          | 146.25            | 343.31         |
| 44.20         | H   | 24.52                        | 19.48                      | -15.48                | -20.52              | 40.00                   | 22.79              | 0.46          | 48.50             | 400.08         |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Low Channel - UFL Antenna**  
**Transmit Mode - X-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments               |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|------------------------|
| 4804           | 53.32           | V            | 74    | -20.68 | Peak                  | 1.25                  | 155                     |                        |
| 4804           | 47.74           | V            | 54    | -6.26  | Avg                   | 1.25                  | 155                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 7206           | 55.67           | V            | 74    | -18.33 | Peak                  | 1.25                  | 155                     |                        |
| 7206           | 52.81           | V            | 54    | -1.19  | Avg                   | 1.25                  | 155                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 9608           |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 9608           |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 12010          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 14412          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 16814          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 19216          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 21618          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 24020          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Low Channel - UFL Antenna**  
**Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments               |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|------------------------|
| 4804           | 53.81           | V            | 74    | -20.19 | Peak                  | 1.25                  | 225                     |                        |
| 4804           | 49.89           | V            | 54    | -4.11  | Avg                   | 1.25                  | 225                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 7206           | 55.53           | V            | 74    | -18.47 | Peak                  | 1.35                  | 235                     |                        |
| 7206           | 49.73           | V            | 54    | -4.27  | Avg                   | 1.35                  | 235                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 9608           |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 9608           |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 12010          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 14412          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 16814          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 19216          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 21618          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 24020          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |



**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

Low Channel - UFL Antenna  
Transmit Mode - Z-Axis

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4804           | 48.18           | V            | 74    | -25.82 | Peak                  | 1.25                  | 135                     |              |
| 4804           | 41.48           | V            | 54    | -12.52 | Avg                   | 1.25                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7206           | 51.37           | V            | 74    | -22.63 | Peak                  | 1.35                  | 145                     |              |
| 7206           | 43.37           | V            | 54    | -10.63 | Avg                   | 1.35                  | 145                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9608           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9608           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12010          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14412          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions |
| 16814          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19216          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21618          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24020          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Low Channel - UFL Antenna  
Transmit Mode - X-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4804           | 49.97           | H            | 74    | -24.03 | Peak                  | 1.25                  | 155                     |              |
| 4804           | 45.64           | H            | 54    | -8.36  | Avg                   | 1.25                  | 155                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7206           | 49.82           | H            | 74    | -24.18 | Peak                  | 1.35                  | 165                     |              |
| 7206           | 42.47           | H            | 54    | -11.53 | Avg                   | 1.35                  | 165                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9608           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9608           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12010          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14412          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions |
| 16814          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19216          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21618          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24020          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Low Channel - UFL Antenna  
Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4804           | 56.36           | H            | 74    | -17.64 | Peak                  | 1.25                  | 135                     |              |
| 4804           | 51.64           | H            | 54    | -2.36  | Avg                   | 1.25                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7206           | 54.65           | H            | 74    | -19.35 | Peak                  | 1.35                  | 165                     |              |
| 7206           | 50.25           | H            | 54    | -3.75  | Avg                   | 1.35                  | 165                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9608           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9608           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12010          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14412          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions |
| 16814          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19216          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21618          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24020          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Low Channel - UFL Antenna  
Transmit Mode - Z-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4804           | 53.79           | H            | 74    | -20.21 | Peak                  | 1.25                  | 0                       |              |
| 4804           | 51.47           | H            | 54    | -2.53  | Avg                   | 1.25                  | 0                       |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7206           | 55.66           | H            | 74    | -18.34 | Peak                  | 1.25                  | 135                     |              |
| 7206           | 52.29           | H            | 54    | -1.71  | Avg                   | 1.25                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9608           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9608           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12010          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12010          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14412          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14412          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 16814          |                 |              |       |        |                       |                       |                         | No Emissions |
| 16814          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19216          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19216          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 21618          |                 |              |       |        |                       |                       |                         | No Emissions |
| 21618          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24020          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24020          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/31/2015  
Lab: B  
Tested By: Kenneth Lee

**Middle Channel - UFL Antenna  
Transmit Mode - X-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments               |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|------------------------|
| 4880           | 56.54           | V            | 74    | -17.46 | Peak                  | 1.1                   | 135                     |                        |
| 4880           | 49.74           | V            | 54    | -4.26  | Avg                   | 1.1                   | 135                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 7320           | 57.08           | V            | 74    | -16.92 | Peak                  | 1.5                   | 35                      |                        |
| 7320           | 46.98           | V            | 54    | -7.02  | Avg                   | 1.5                   | 35                      |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 9760           |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 9760           |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 12200          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 14640          |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 14640          |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 17080          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 19520          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 21960          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 24400          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/31/2015  
Lab: B  
Tested By: Kenneth Lee

**Middle Channel - UFL Antenna  
Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments               |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|------------------------|
| 4880           | 50.91           | V            | 74    | -23.09 | Peak                  | 1                     | 135                     |                        |
| 4880           | 41.98           | V            | 54    | -12.02 | Avg                   | 1                     | 135                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 7320           | 55.23           | V            | 74    | -18.77 | Peak                  | 1.1                   | 180                     |                        |
| 7320           | 44.36           | V            | 54    | -9.64  | Avg                   | 1.1                   | 180                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 9760           |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 9760           |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 12200          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 14640          |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 14640          |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 17080          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 19520          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 21960          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 24400          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/31/2015  
Lab: B  
Tested By: Kenneth Lee

**Middle Channel - UFL Antenna  
Transmit Mode - Z-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments               |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|------------------------|
| 4880           | 50.55           | V            | 74    | -23.45 | Peak                  | 1                     | 270                     |                        |
| 4880           | 41.72           | V            | 54    | -12.28 | Avg                   | 1                     | 270                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 7320           | 53.26           | V            | 74    | -20.74 | Peak                  | 1.75                  | 250                     |                        |
| 7320           | 42.74           | V            | 54    | -11.26 | Avg                   | 1.75                  | 250                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 9760           |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 9760           |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 12200          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 14640          |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 14640          |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 17080          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 19520          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 21960          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 24400          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Middle Channel - UFL Antenna**  
**Transmit Mode - X-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments               |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|------------------------|
| 4880           | 54.21           | H            | 74    | -19.79 | Peak                  | 1.25                  | 225                     |                        |
| 4880           | 49.37           | H            | 54    | -4.63  | Avg                   | 1.25                  | 225                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 7320           | 55.11           | H            | 74    | -18.89 | Peak                  | 1.35                  | 135                     |                        |
| 7320           | 51.11           | H            | 54    | -2.89  | Avg                   | 1.35                  | 135                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 9760           |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 9760           |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 12200          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 14640          |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 14640          |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 17080          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 19520          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 21960          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 24400          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |



**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/31/2015  
Lab: B  
Tested By: Kenneth Lee

**Middle Channel - UFL Antenna**  
**Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments               |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|------------------------|
| 4880           | 54.78           | H            | 74    | -19.22 | Peak                  | 1                     | 135                     |                        |
| 4880           | 47.49           | H            | 54    | -6.51  | Avg                   | 1                     | 135                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 7320           | 53.08           | H            | 74    | -20.92 | Peak                  | 1                     | 235                     |                        |
| 7320           | 41.8            | H            | 54    | -12.2  | Avg                   | 1                     | 235                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 9760           |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 9760           |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 12200          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 14640          |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 14640          |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 17080          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 19520          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 21960          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 24400          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/31/2015  
Lab: B  
Tested By: Kenneth Lee

**Middle Channel - UFL Antenna**  
**Transmit Mode - Z-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments               |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|------------------------|
| 4880           | 54.61           | H            | 74    | -19.39 | Peak                  | 1.15                  | 235                     |                        |
| 4880           | 47.34           | H            | 54    | -6.66  | Avg                   | 1.15                  | 235                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 7320           | 56.65           | H            | 74    | -17.35 | Peak                  | 1                     | 235                     |                        |
| 7320           | 46.22           | H            | 54    | -7.78  | Avg                   | 1                     | 235                     |                        |
|                |                 |              |       |        |                       |                       |                         |                        |
| 9760           |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 9760           |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 12200          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 12200          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 14640          |                 |              |       |        |                       |                       |                         | Done via Conducted -   |
| 14640          |                 |              |       |        |                       |                       |                         | Not in Restricted Band |
|                |                 |              |       |        |                       |                       |                         |                        |
| 17080          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 17080          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 19520          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 19520          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 21960          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 21960          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |
| 24400          |                 |              |       |        |                       |                       |                         | No Emissions           |
| 24400          |                 |              |       |        |                       |                       |                         | Detected               |
|                |                 |              |       |        |                       |                       |                         |                        |

**FCC 15.247**Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto**High Channel - UFL Antenna**  
**Transmit Mode - X-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 52.77           | V            | 74    | -21.23 | Peak                  | 1.25                  | 165                     |              |
| 4960           | 46.67           | V            | 54    | -7.33  | Avg                   | 1.25                  | 165                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 52.25           | V            | 74    | -21.75 | Peak                  | 1.25                  | 180                     |              |
| 7440           | 44.58           | V            | 54    | -9.42  | Avg                   | 1.25                  | 180                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**High Channel - UFL Antenna**  
**Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 52.62           | V            | 74    | -21.38 | Peak                  | 1.35                  | 225                     |              |
| 4960           | 44.24           | V            | 54    | -9.76  | Avg                   | 1.35                  | 225                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 52.25           | V            | 74    | -21.75 | Peak                  | 1.25                  | 225                     |              |
| 7440           | 45.76           | V            | 54    | -8.24  | Avg                   | 1.25                  | 225                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**High Channel - UFL Antenna**  
**Transmit Mode - Z-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 49.35           | V            | 74    | -24.65 | Peak                  | 1.25                  | 135                     |              |
| 4960           | 43.24           | V            | 54    | -10.76 | Avg                   | 1.25                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 49.69           | V            | 74    | -24.31 | Peak                  | 1.25                  | 45                      |              |
| 7440           | 42.83           | V            | 54    | -11.17 | Avg                   | 1.25                  | 45                      |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
 High Range BLE/ANT Module  
 Model: SRU232

Date: 03/19/2015  
 Lab: B  
 Tested By: Kyle Fujimoto

**High Channel - UFL Antenna**  
**Transmit Mode - X-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 50.88           | H            | 74    | -23.12 | Peak                  | 1.25                  | 155                     |              |
| 4960           | 42.66           | H            | 54    | -11.34 | Avg                   | 1.25                  | 155                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 50.41           | H            | 74    | -23.59 | Peak                  | 1.35                  | 135                     |              |
| 7440           | 44.24           | H            | 54    | -9.76  | Avg                   | 1.35                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto**High Channel - UFL Antenna**  
**Transmit Mode - Y-Axis**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 49.03           | H            | 74    | -24.97 | Peak                  | 1.25                  | 155                     |              |
| 4960           | 42.05           | H            | 54    | -11.95 | Avg                   | 1.25                  | 155                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 50.41           | H            | 74    | -23.59 | Peak                  | 1.25                  | 180                     |              |
| 7440           | 41.58           | H            | 54    | -12.42 | Avg                   | 1.25                  | 180                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232

Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto

**High Channel - UFL Antenna**  
**Transmit Mode - Z-Axis**

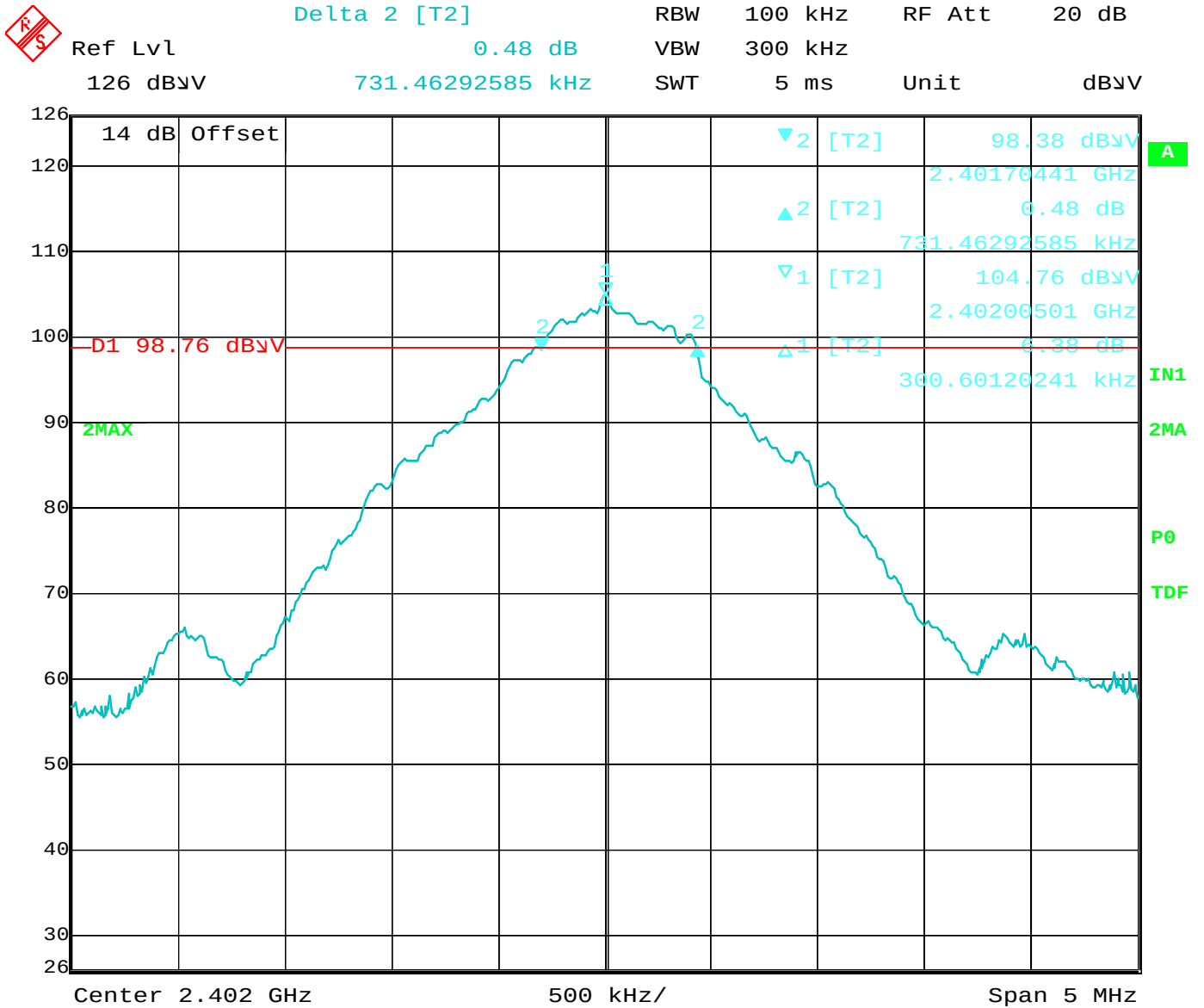
| Freq.<br>(MHz) | Level<br>(dBuV) | Pol<br>(v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments     |
|----------------|-----------------|--------------|-------|--------|-----------------------|-----------------------|-------------------------|--------------|
| 4960           | 54.43           | H            | 74    | -19.57 | Peak                  | 1.25                  | 135                     |              |
| 4960           | 50.79           | H            | 54    | -3.21  | Avg                   | 1.25                  | 135                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 7440           | 53.54           | H            | 74    | -20.46 | Peak                  | 1.35                  | 225                     |              |
| 7440           | 47.26           | H            | 54    | -6.74  | Avg                   | 1.35                  | 225                     |              |
|                |                 |              |       |        |                       |                       |                         |              |
| 9920           |                 |              |       |        |                       |                       |                         | No Emissions |
| 9920           |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 12400          |                 |              |       |        |                       |                       |                         | No Emissions |
| 12400          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 14880          |                 |              |       |        |                       |                       |                         | No Emissions |
| 14880          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 17360          |                 |              |       |        |                       |                       |                         | No Emissions |
| 17360          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 19840          |                 |              |       |        |                       |                       |                         | No Emissions |
| 19840          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 22320          |                 |              |       |        |                       |                       |                         | No Emissions |
| 22320          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |
| 24800          |                 |              |       |        |                       |                       |                         | No Emissions |
| 24800          |                 |              |       |        |                       |                       |                         | Detected     |
|                |                 |              |       |        |                       |                       |                         |              |





***-6 dB BANDWIDTH***

***DATA SHEETS***

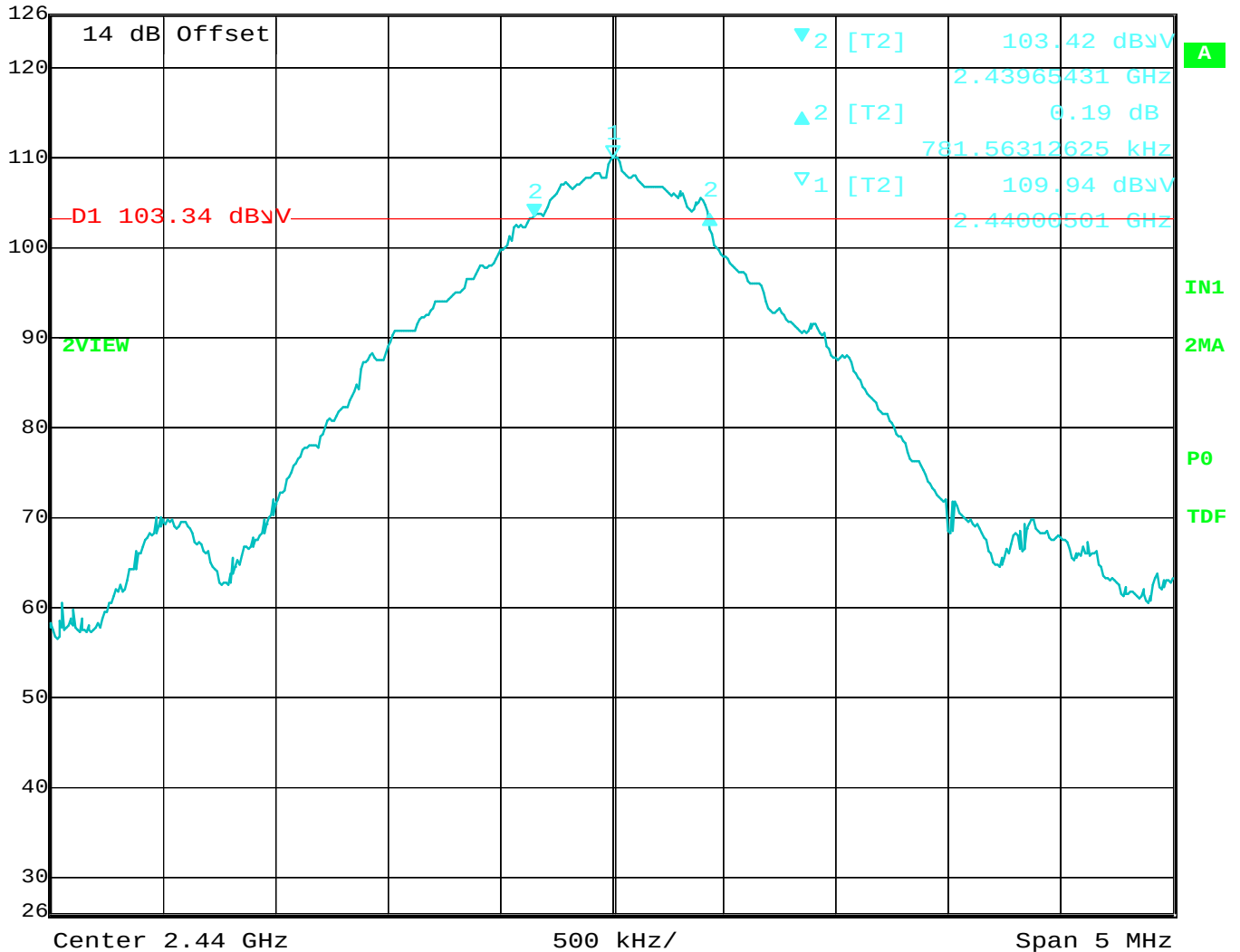


Date: 30.MAR.2015 13:40:19

-6 dB Bandwidth – Low Channel – Chip Antenna

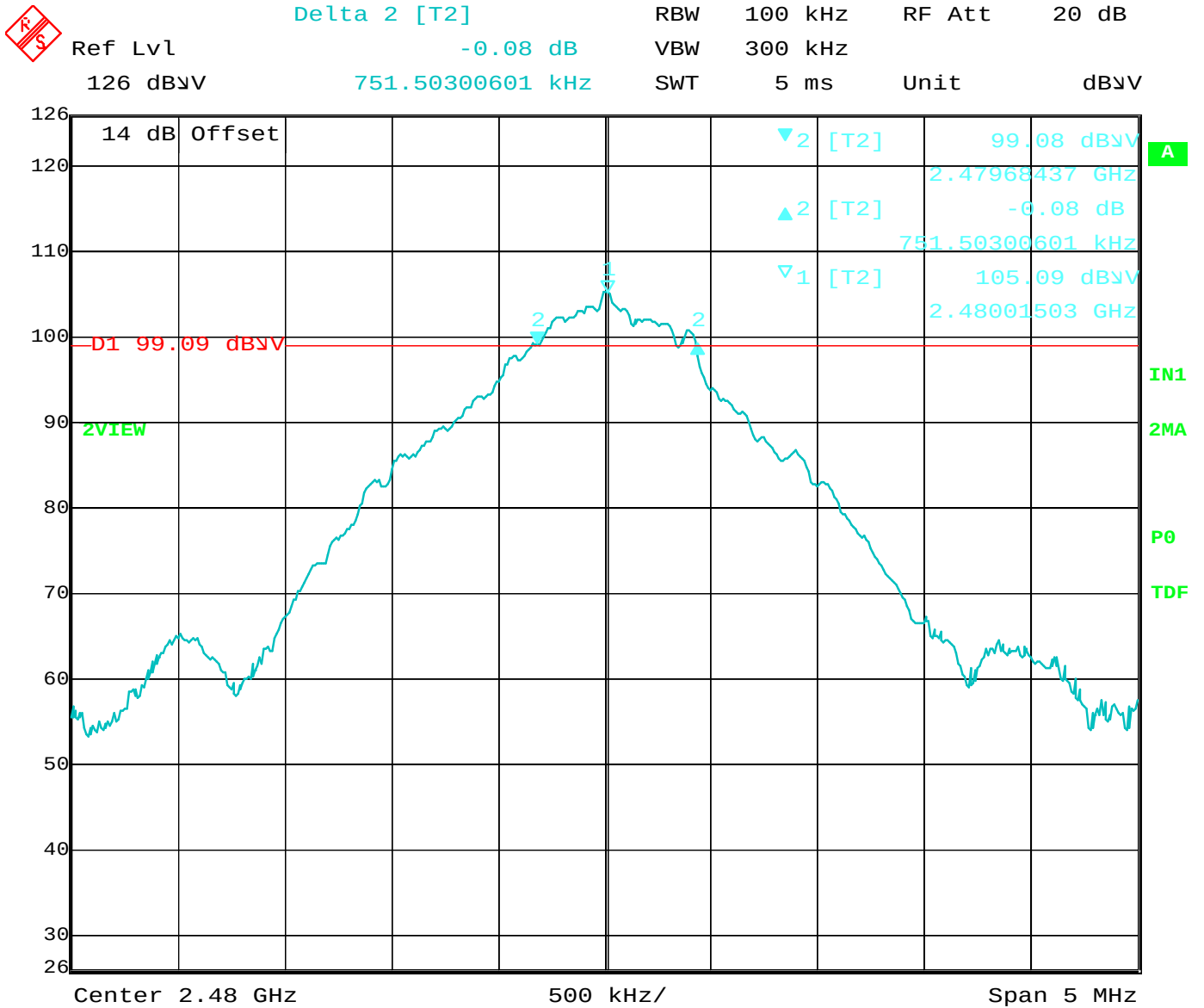


Delta 2 [T2] RBW 100 kHz RF Att 20 dB  
Ref Lvl 0.19 dB VBW 300 kHz  
126 dBμV 781.56312625 kHz SWT 5 ms Unit dBμV



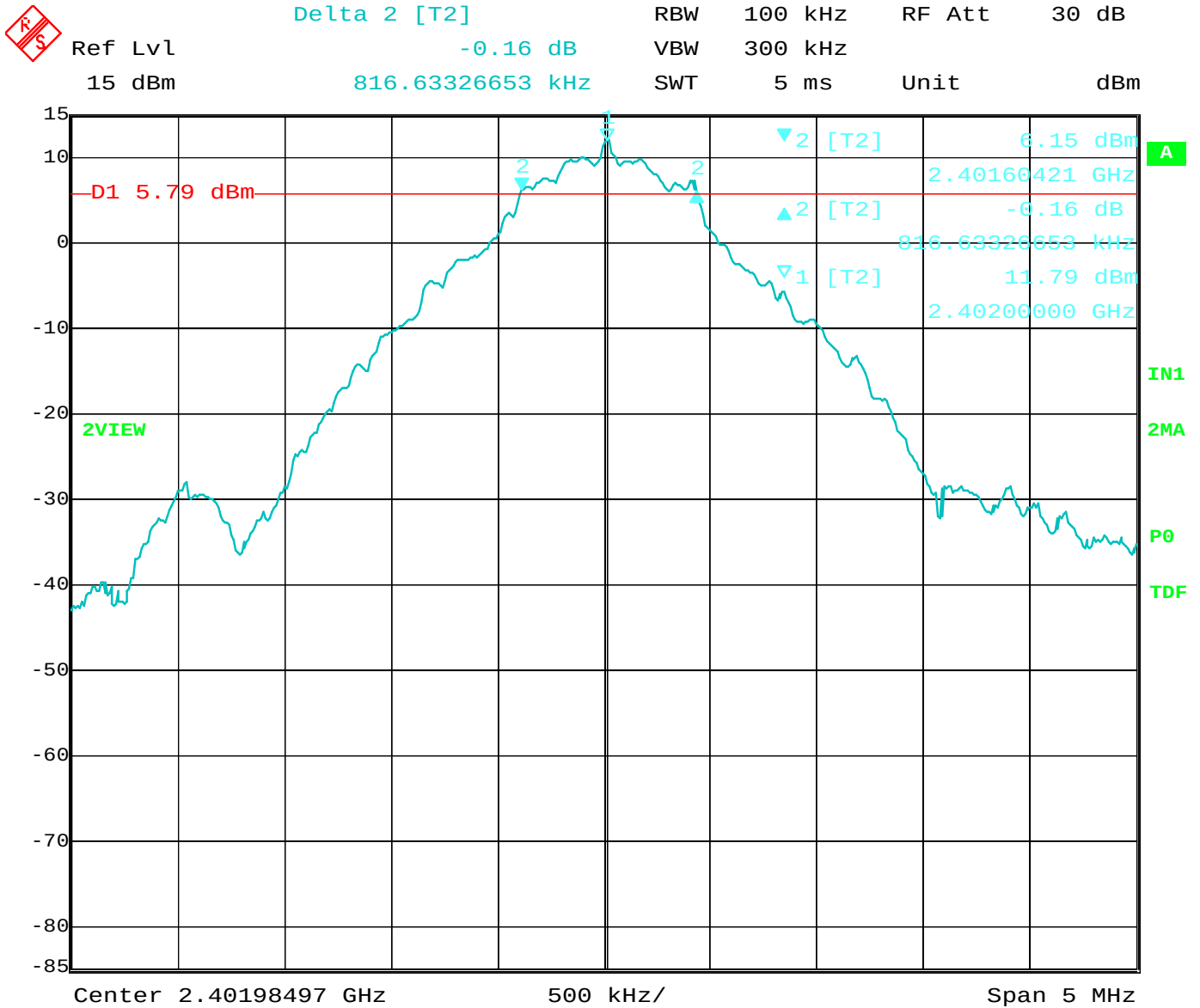
Date: 30.MAR.2015 13:47:19

-6 dB Bandwidth – Middle Channel – Chip Antenna



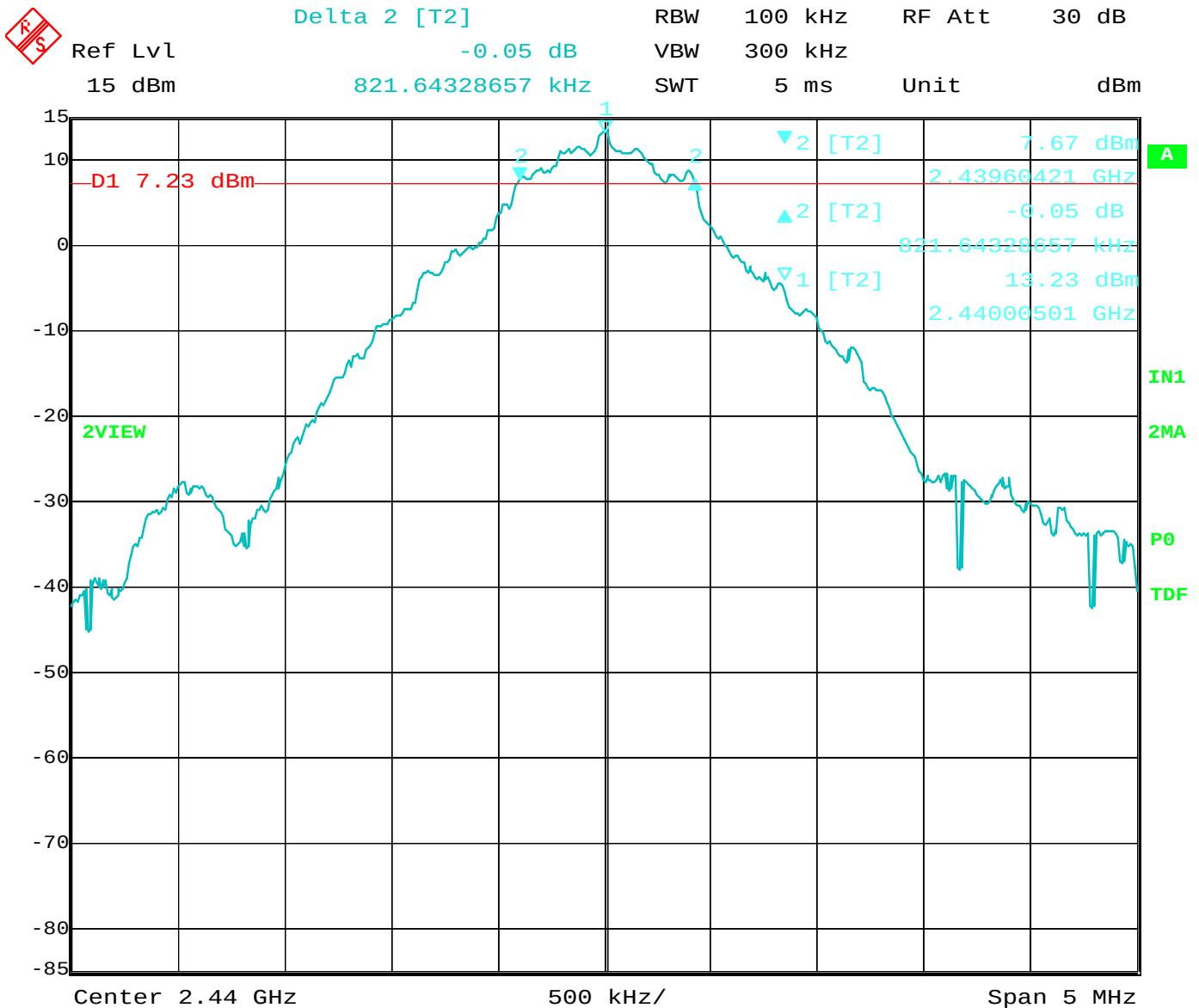
Date: 30.MAR.2015 13:52:42

-6 dB Bandwidth – High Channel – Chip Antenna



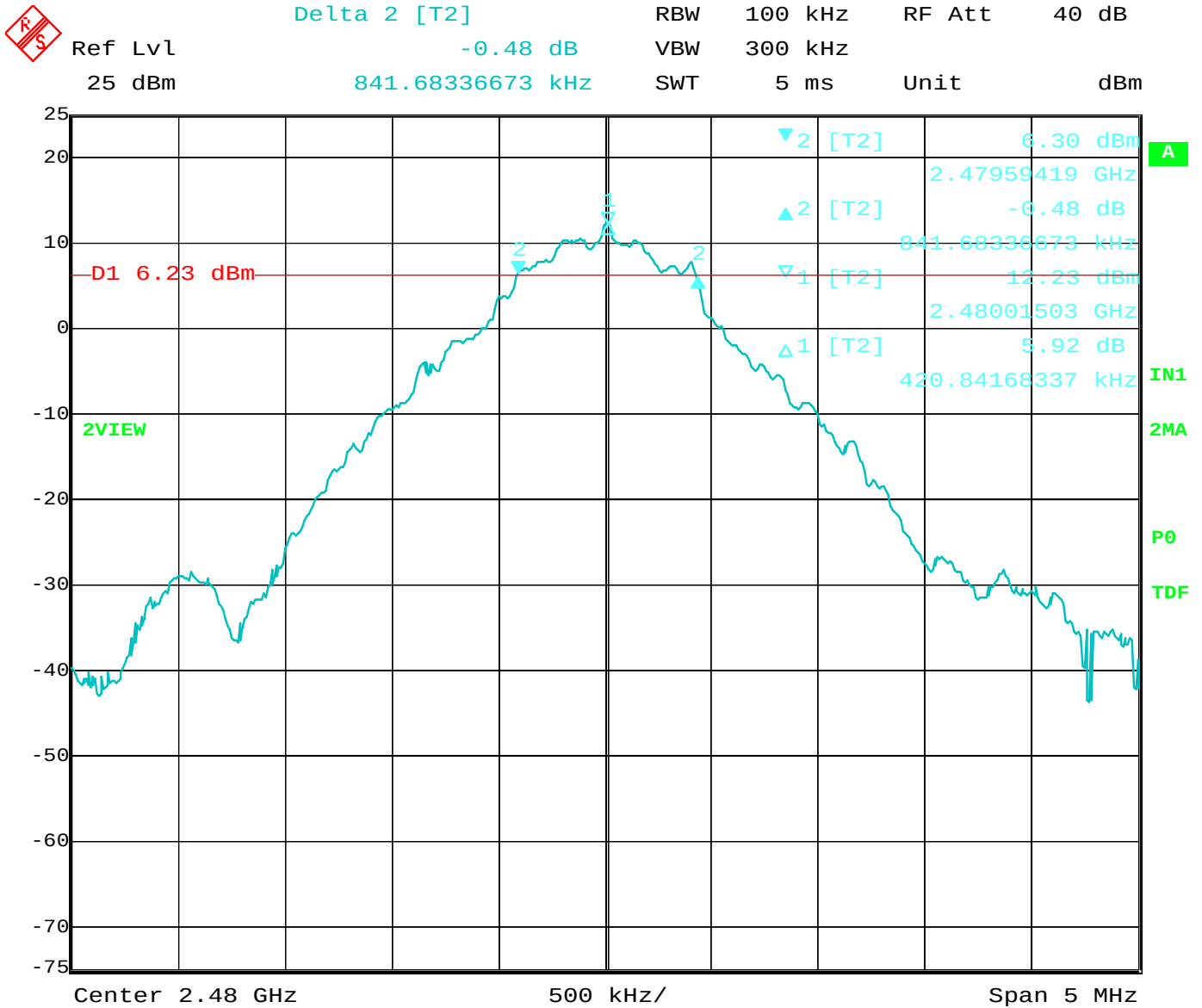
Date: 30.MAR.2015 11:36:53

-6 dB Bandwidth – Low Channel – UFL Antenna



Date: 30.MAR.2015 11:50:25

-6 dB Bandwidth – Middle Channel – UFL Antenna



Date: 30.MAR.2015 12:08:37

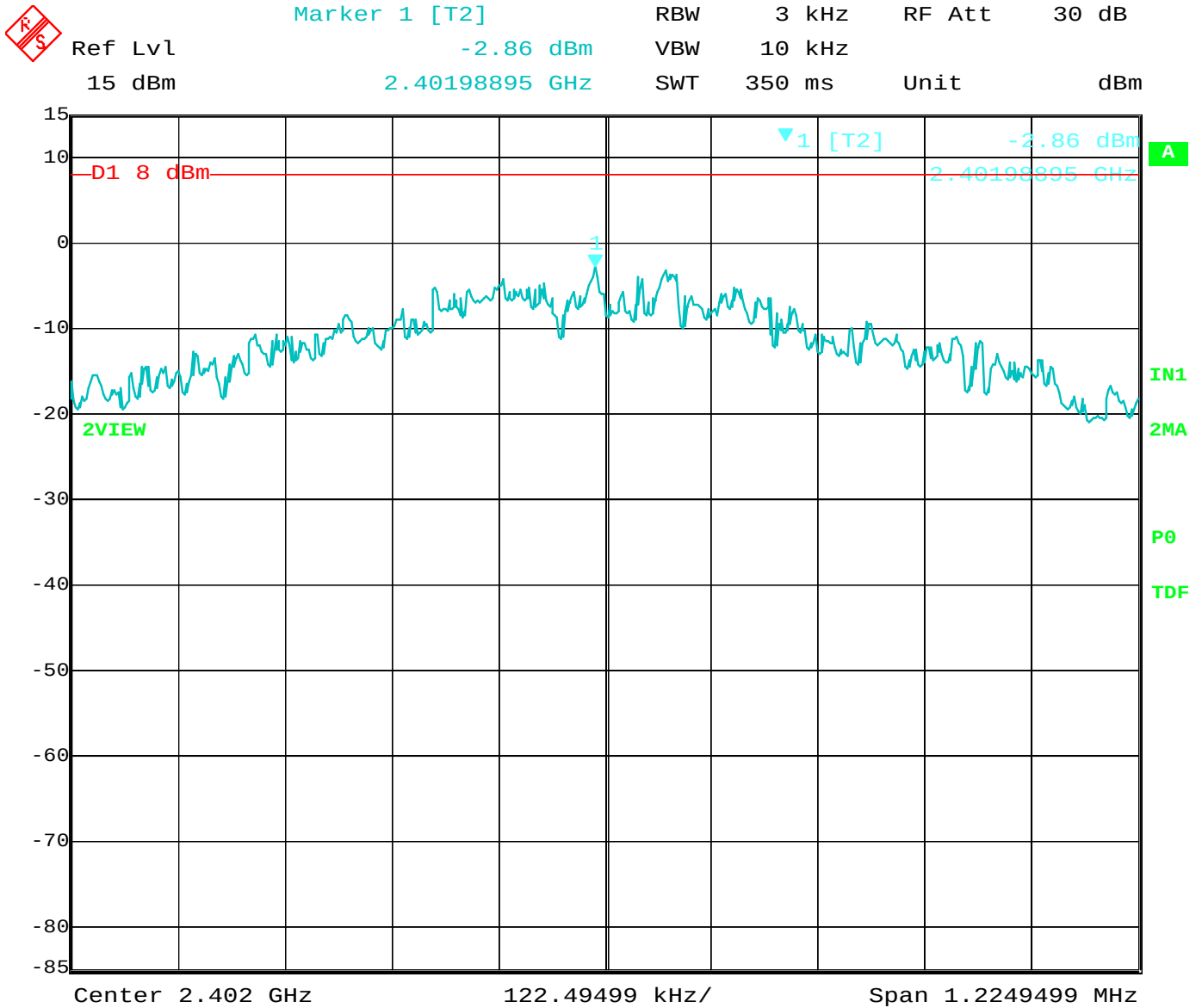
-6 dB Bandwidth – High Channel – UFL Antenna





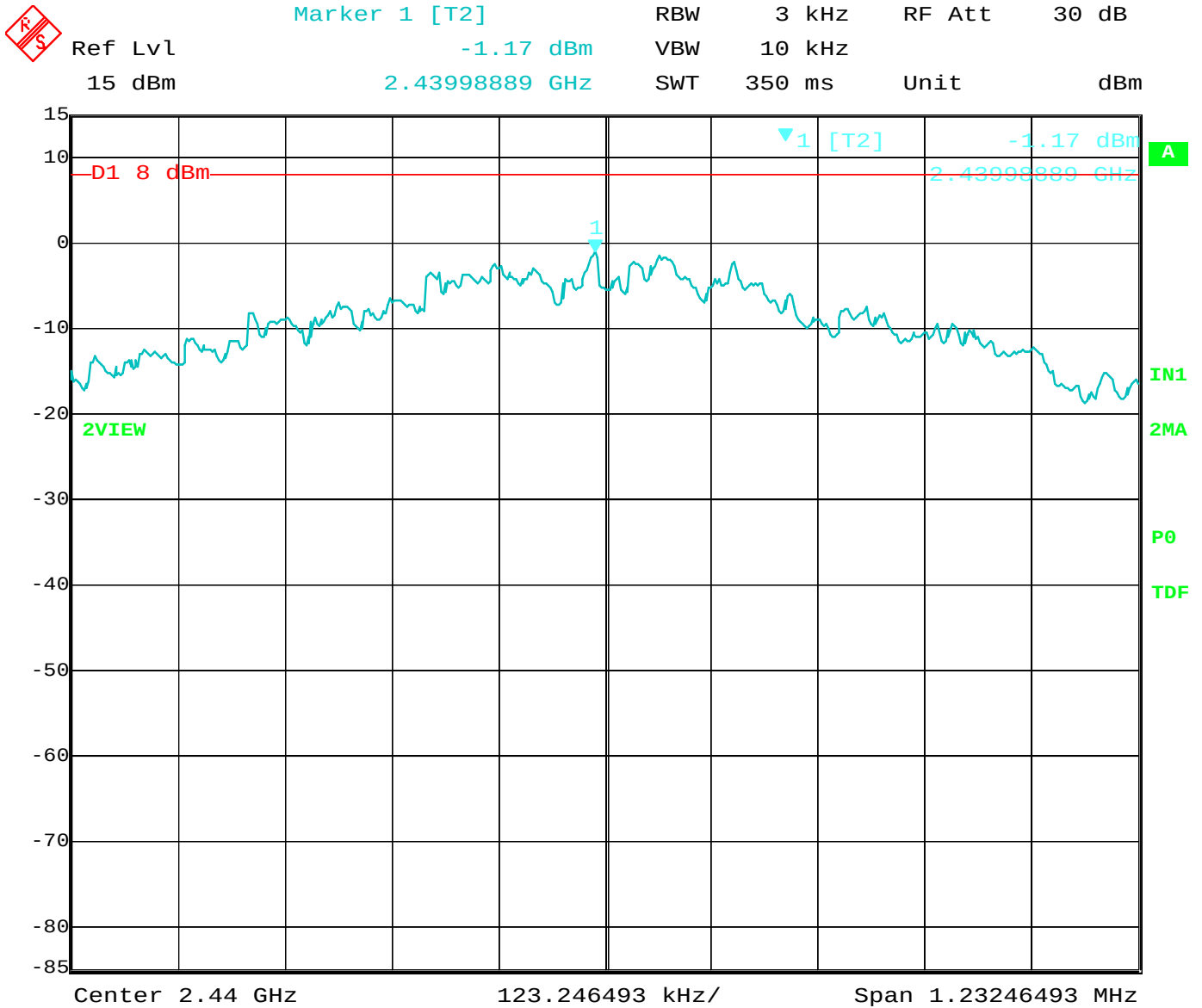
***SPECTRAL DENSITY OUTPUT***

***DATA SHEETS***



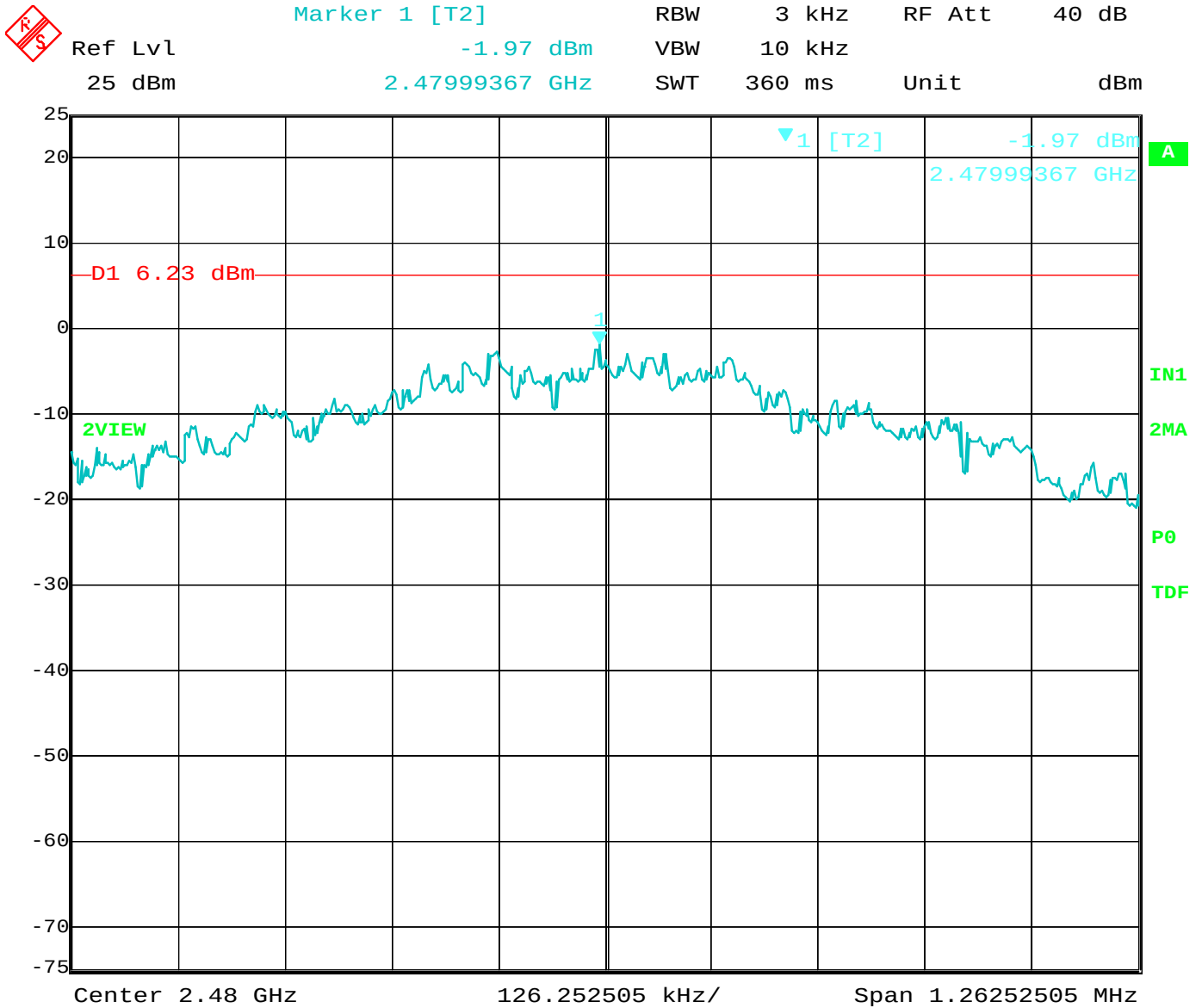
Date: 30.MAR.2015 11:38:14

Spectral Density Output – Low Channel – UFL Antenna



Date: 30.MAR.2015 11:56:31

Spectral Density Output – Middle Channel – UFL Antenna



Date: 30.MAR.2015 12:09:59

Spectral Density Output – High Channel – UFL Antenna

**FCC 15.247**

Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232  
Configuration: Chip Antenna

Date: 03/25/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Spectral Density Test**

Limit = +8 dBm

| Freq.<br>(MHz) | Level<br>(dBuV) | Level<br>(V/m) | Antenna<br>Gain<br>(dBi) | Numeric<br>Gain | Power<br>Output<br>(Watts) | Power<br>Output<br>(mW) | Power<br>Output<br>(dBm) | Comments      |
|----------------|-----------------|----------------|--------------------------|-----------------|----------------------------|-------------------------|--------------------------|---------------|
| 2402           | 77.85           | 0.00781        | 0.6                      | 1.148154        | 1.5927E-05                 | 0.01593                 | -17.979                  | Vert. X-Axis  |
| 2440           | 86.19           | 0.02039        | 0.6                      | 1.148154        | 0.00010867                 | 0.10867                 | -9.6388                  | Vert. X-Axis  |
| 2480           | 82.64           | 0.01355        | 0.6                      | 1.148154        | 4.7987E-05                 | 0.04799                 | -13.189                  | Vert. X-Axis  |
| 2402           | 87.56           | 0.02388        | 0.6                      | 1.148154        | 0.00014898                 | 0.14898                 | -8.2688                  | Vert. Y-Axis  |
| 2440           | 88.89           | 0.02783        | 0.6                      | 1.148154        | 0.00020236                 | 0.20236                 | -6.9388                  | Vert. Y-Axis  |
| 2480           | 84.33           | 0.01646        | 0.6                      | 1.148154        | 7.0814E-05                 | 0.07081                 | -11.499                  | Vert. Y-Axis  |
| 2402           | 91.23           | 0.03643        | 0.6                      | 1.148154        | 0.00034683                 | 0.34683                 | -4.5988                  | Vert. Z-Axis  |
| 2440           | 94.41           | 0.05254        | 0.6                      | 1.148154        | 0.00072131                 | 0.72131                 | -1.4188                  | Vert. Z-Axis  |
| 2480           | 97.24           | 0.07278        | 0.6                      | 1.148154        | 0.00138395                 | 1.38395                 | 1.41121                  | Vert. Z-Axis  |
| 2402           | 89.25           | 0.02901        | 0.6                      | 1.148154        | 0.00021985                 | 0.21985                 | -6.5788                  | Horiz. X-Axis |
| 2440           | 91.48           | 0.0375         | 0.6                      | 1.148154        | 0.00036738                 | 0.36738                 | -4.3488                  | Horiz. X-Axis |
| 2480           | 85.64           | 0.01914        | 0.6                      | 1.148154        | 9.5746E-05                 | 0.09575                 | -10.189                  | Horiz. X-Axis |
| 2402           | 89.97           | 0.03151        | 0.6                      | 1.148154        | 0.00025949                 | 0.25949                 | -5.8588                  | Horiz. Y-Axis |
| 2440           | 91.06           | 0.03573        | 0.6                      | 1.148154        | 0.00033352                 | 0.33352                 | -4.7688                  | Horiz. Y-Axis |
| 2480           | 88.14           | 0.02553        | 0.6                      | 1.148154        | 0.00017026                 | 0.17026                 | -7.6888                  | Horiz. Y-Axis |
| 2402           | 86.61           | 0.0214         | 0.6                      | 1.148154        | 0.00011971                 | 0.11971                 | -9.2188                  | Horiz. Z-Axis |
| 2440           | 86.02           | 0.02           | 0.6                      | 1.148154        | 0.0001045                  | 0.1045                  | -9.8088                  | Horiz. Z-Axis |
| 2480           | 86.36           | 0.0208         | 0.6                      | 1.148154        | 0.00011301                 | 0.11301                 | -9.4688                  | Horiz. Z-Axis |

Level in dBuV obtained by maximizing fundamental emission then setting the EMI Receiver to RBW = 3 kHz, VBW = 10 kHz, Span = 300 kHz, Sweep Time = 100 Seconds

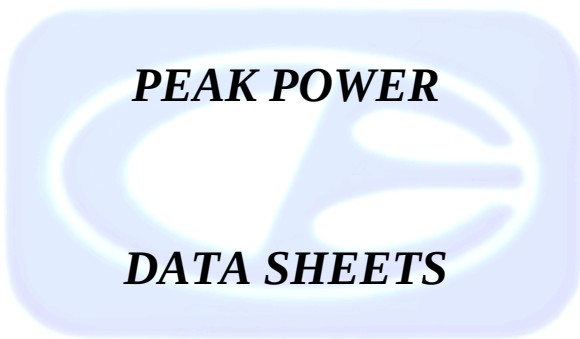
The Power in Watts is obtained by the following Formula Below:

$$P = [(E \cdot D)^2] / (30 \cdot G)$$

P = Power in Watts

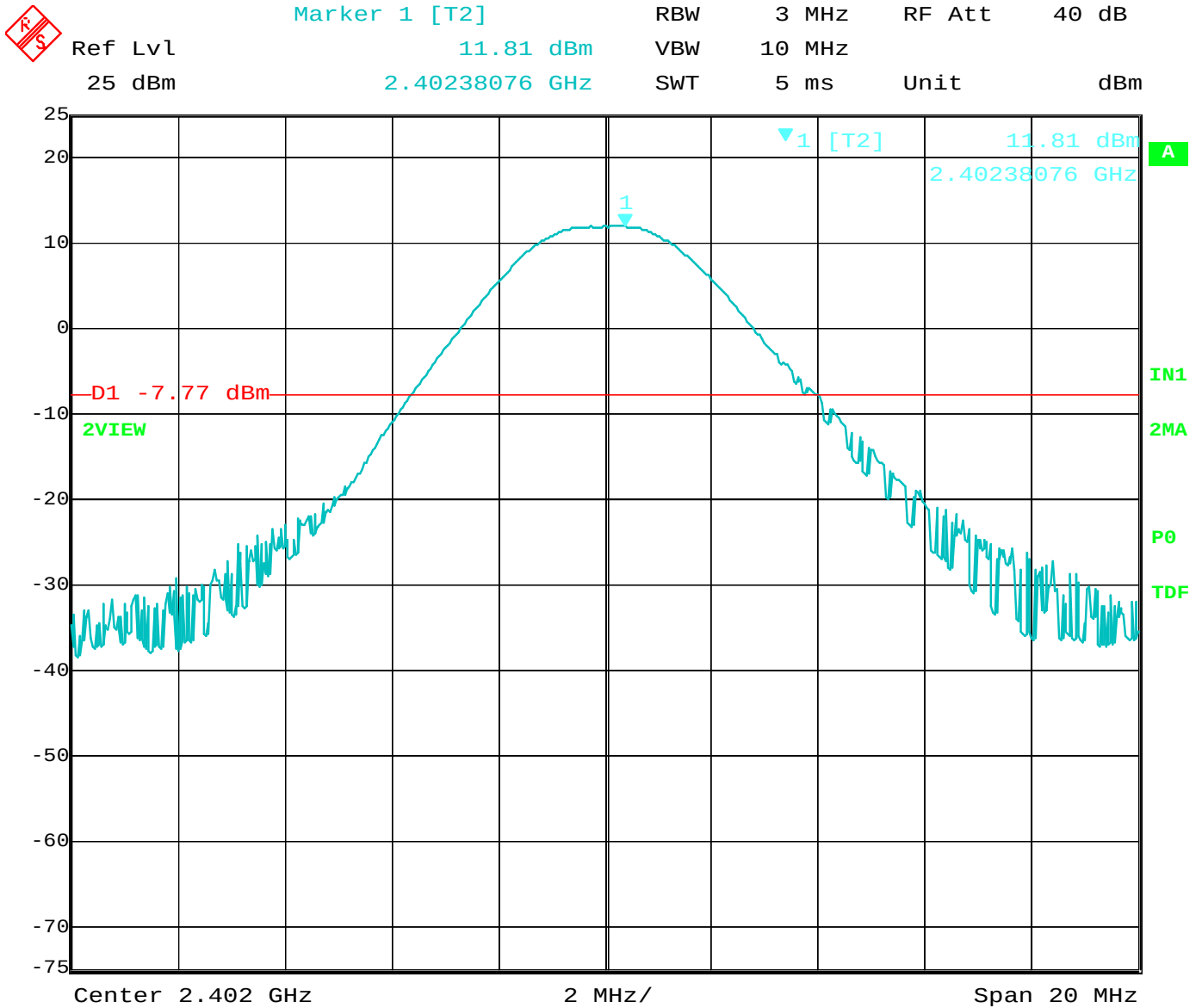
E = The Measured Maximum Field Strength in V/m

G = The Numeric Gain of the Transmitting Antenna over an Isotropic Radiator



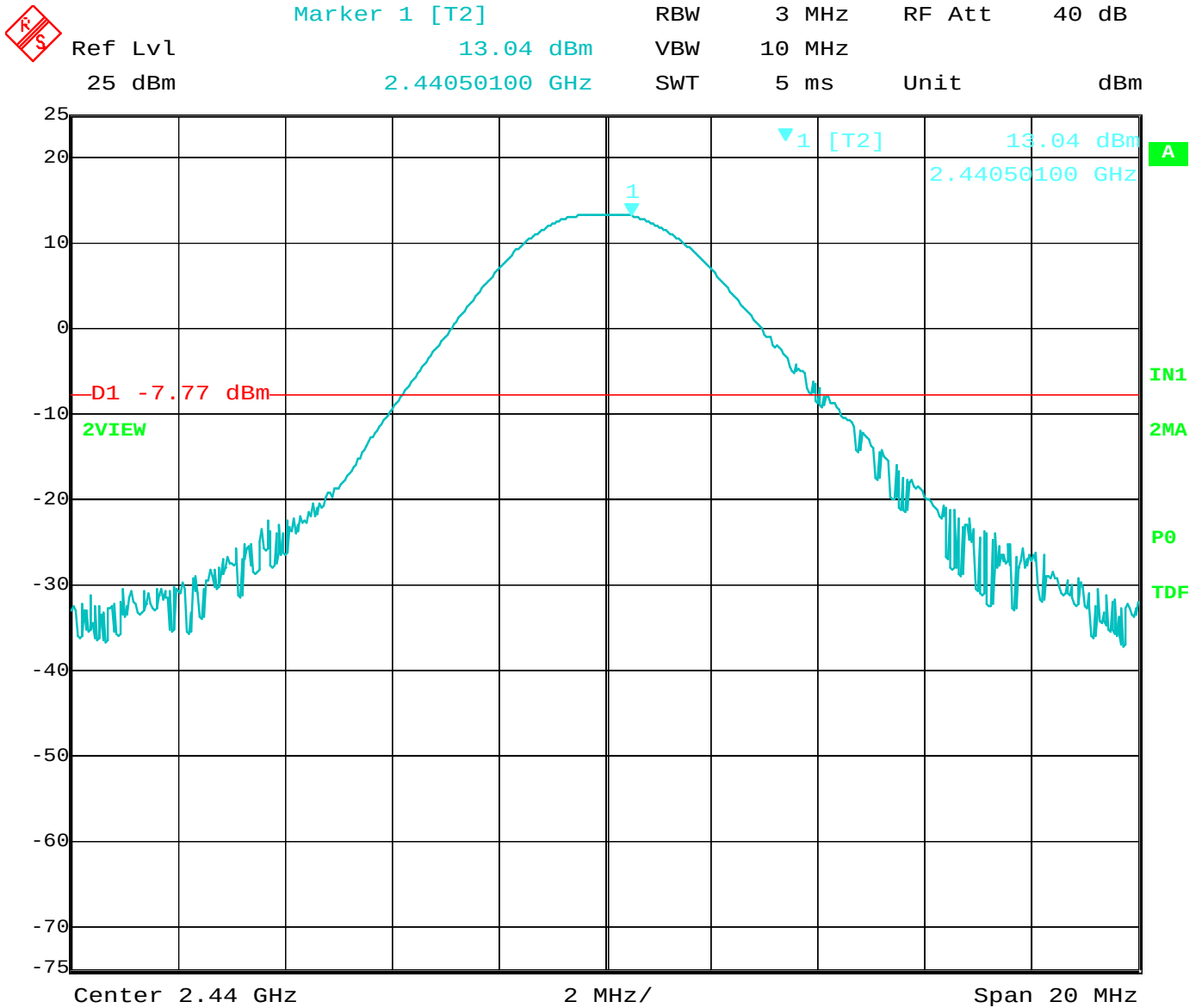
***PEAK POWER***

***DATA SHEETS***



Date: 30.MAR.2015 12:22:11

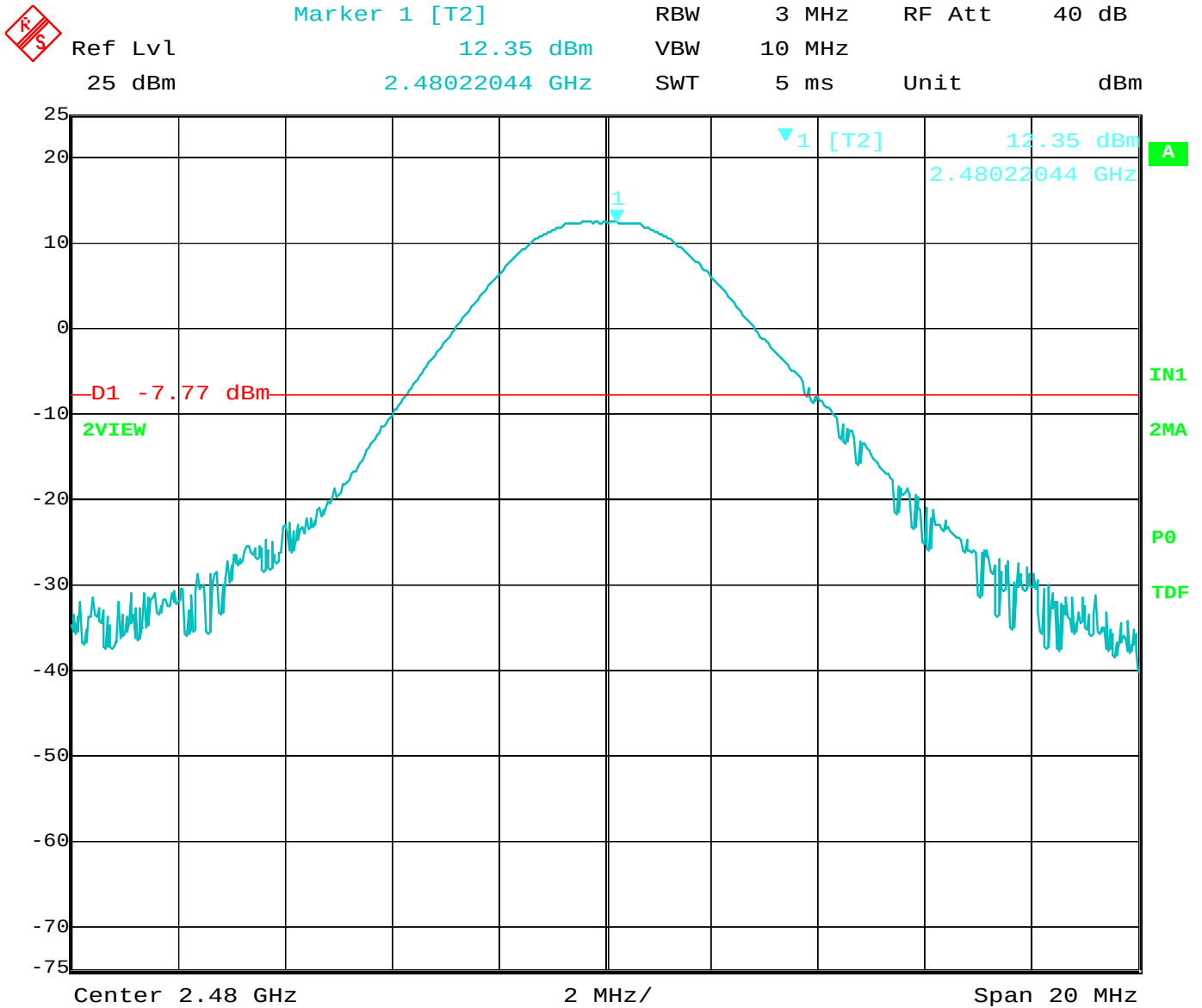
Peak Power Output – Low Channel – UFL Antenna



Date: 30.MAR.2015 12:21:43

Peak Power Output – Middle Channel – UFL Antenna





Date: 30.MAR.2015 12:21:21

Peak Power Output – High Channel – UFL Antenna

**FCC 15.247**

Delphin Products LLC  
High Range BLE/ANT Module  
Model: SRU232  
Configuration: Chip Antenna

Date: 03/25/2015  
Lab: B  
Tested By: Kyle Fujimoto

**Peak Output Power**

| Freq.<br>(MHz) | Level<br>(dBuV) | Level<br>(V/m) | Antenna<br>Gain<br>(dBi) | Numeric<br>Gain | Power<br>Output<br>(Watts) | Power<br>Output<br>(mW) | Power<br>Output<br>(dBm) | Comments      |
|----------------|-----------------|----------------|--------------------------|-----------------|----------------------------|-------------------------|--------------------------|---------------|
| 2402           | 92.11           | 0.0403181      | 0.6                      | 1.14815         | 0.0004247                  | 0.42474                 | -3.72                    | Vert. X-Axis  |
| 2440           | 100.35          | 0.1041118      | 0.6                      | 1.14815         | 0.0028322                  | 2.83218                 | 4.52                     | Vert. X-Axis  |
| 2480           | 98.01           | 0.0795243      | 0.6                      | 1.14815         | 0.0016524                  | 1.65242                 | 2.18                     | Vert. X-Axis  |
| 2402           | 101.91          | 0.1245948      | 0.6                      | 1.14815         | 0.0040562                  | 4.05622                 | 6.08                     | Vert. Y-Axis  |
| 2440           | 102.93          | 0.14012        | 0.6                      | 1.14815         | 0.00513                    | 5.13005                 | 7.10                     | Vert. Y-Axis  |
| 2480           | 99.34           | 0.092683       | 0.6                      | 1.14815         | 0.0022445                  | 2.24451                 | 3.51                     | Vert. Y-Axis  |
| 2402           | 105.69          | 0.1925307      | 0.6                      | 1.14815         | 0.0096855                  | 9.68548                 | 9.86                     | Vert. Z-Axis  |
| 2440           | 108.37          | 0.2621199      | 0.6                      | 1.14815         | 0.0179523                  | 17.9523                 | 12.54                    | Vert. Z-Axis  |
| 2480           | 105.92          | 0.197697       | 0.6                      | 1.14815         | 0.0102122                  | 10.2122                 | 10.09                    | Vert. Z-Axis  |
| 2402           | 104.29          | 0.1638702      | 0.6                      | 1.14815         | 0.0070165                  | 7.01651                 | 8.46                     | Horiz. X-Axis |
| 2440           | 108.28          | 0.2594179      | 0.6                      | 1.14815         | 0.0175841                  | 17.5841                 | 12.45                    | Horiz. X-Axis |
| 2480           | 103.59          | 0.151182       | 0.6                      | 1.14815         | 0.005972                   | 5.97202                 | 7.76                     | Horiz. X-Axis |
| 2402           | 104.46          | 0.1671091      | 0.6                      | 1.14815         | 0.0072966                  | 7.29661                 | 8.63                     | Horiz. Y-Axis |
| 2440           | 107.34          | 0.2328091      | 0.6                      | 1.14815         | 0.0141619                  | 14.1619                 | 11.51                    | Horiz. Y-Axis |
| 2480           | 102.11          | 0.127497       | 0.6                      | 1.14815         | 0.0042474                  | 4.24738                 | 6.28                     | Horiz. Y-Axis |
| 2402           | 101.91          | 0.1245948      | 0.6                      | 1.14815         | 0.0040562                  | 4.05622                 | 6.08                     | Horiz. Z-Axis |
| 2440           | 101.69          | 0.1214787      | 0.6                      | 1.14815         | 0.0038559                  | 3.85586                 | 5.86                     | Horiz. Z-Axis |
| 2480           | 99.71           | 0.0967164      | 0.6                      | 1.14815         | 0.0024441                  | 2.44411                 | 3.88                     | Horiz. Z-Axis |

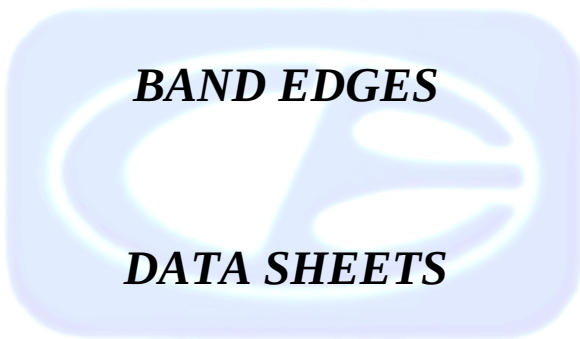
The Power in Watts is obtained by the following Formula Below:

$$P = [(E \cdot D)^2] / (30 \cdot G)$$

P = Power in Watts

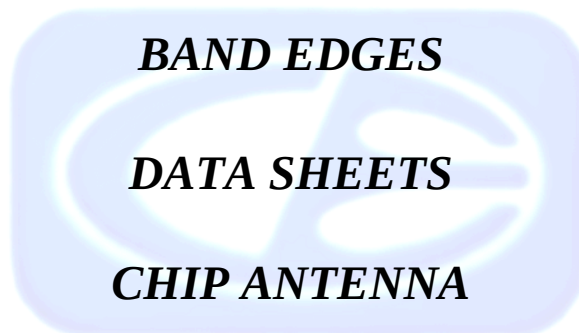
E = The Measured Maximum Field Strength in V/m

G = The Numeric Gain of the Transmitting Antenna over an Isotropic Radiator



***BAND EDGES***

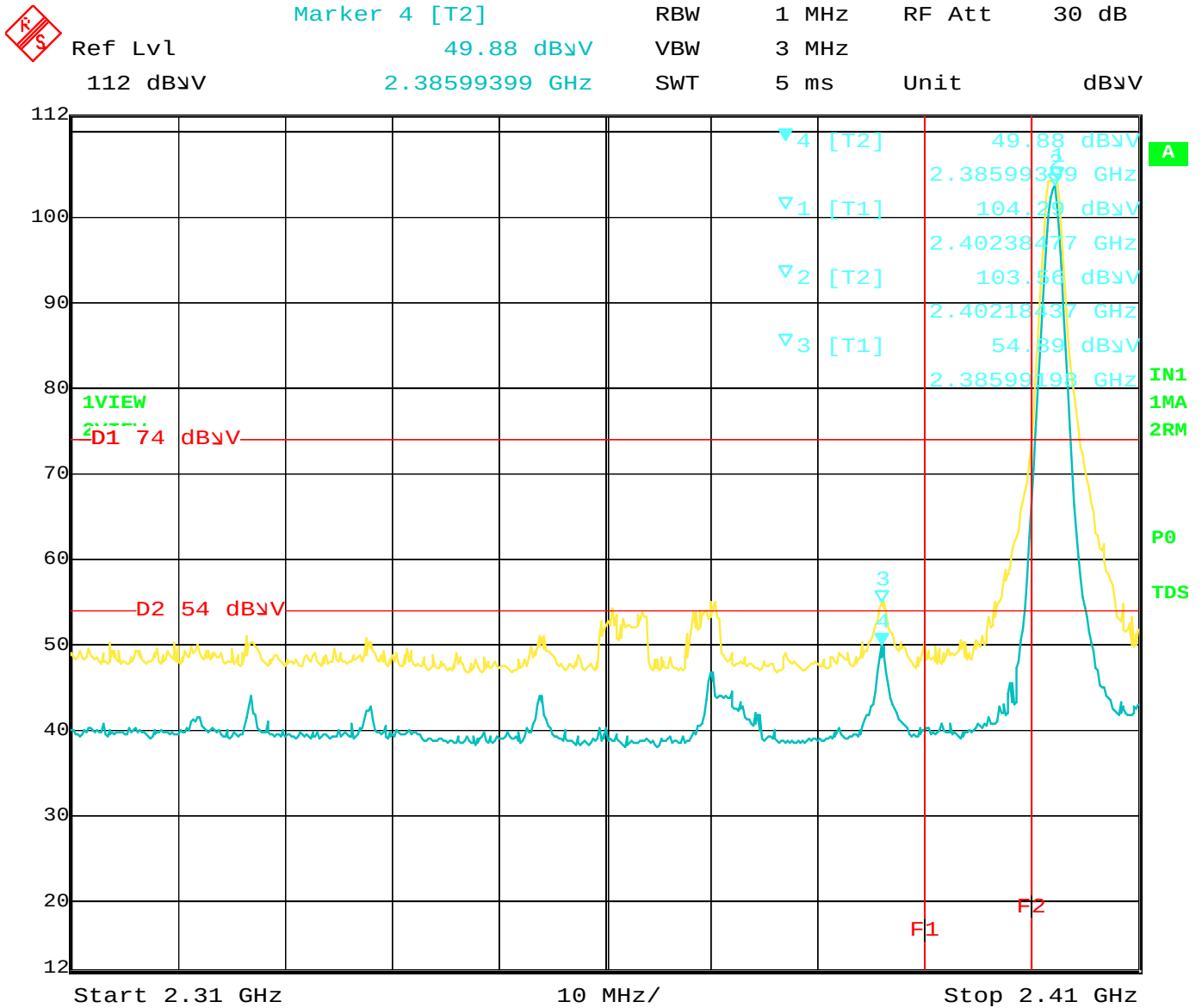
***DATA SHEETS***



**FCC 15.247**Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232Date: 12/29/2014  
Lab: B  
Tested By: Kyle Fujimoto**Band Edges - Chip Antenna - Power Level 4 - 2 Mbit/s Worst Case**  
**Low Channel - See Comments for Worst Case Axis**

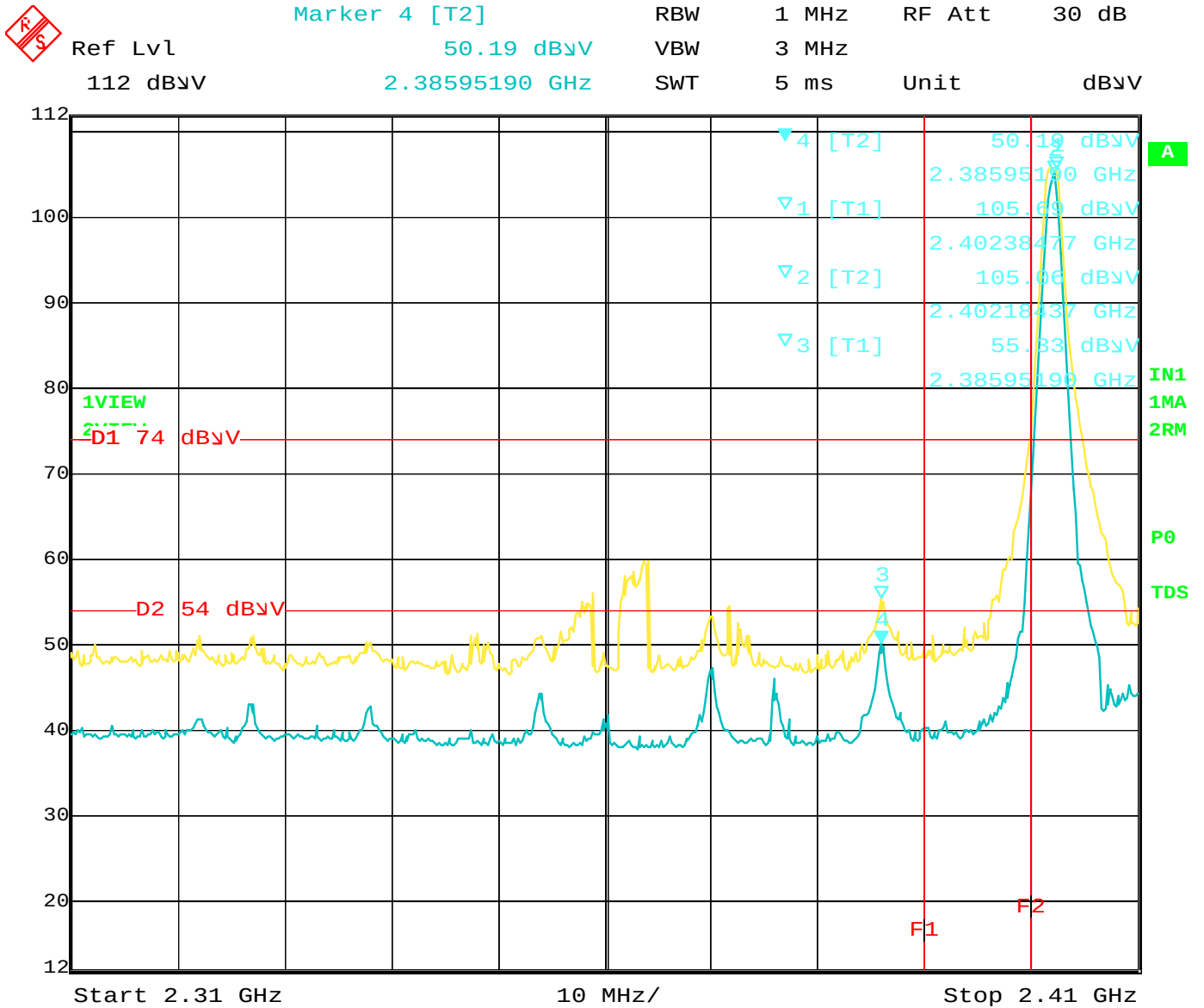
| Freq.<br>(MHz) | Level<br>(dBuV) | Pol (v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments                         |
|----------------|-----------------|-----------|-------|--------|-----------------------|-----------------------|-------------------------|----------------------------------|
| 2402           | 104.29          | H         | --    | --     | Peak                  | 1.15                  | 180                     | X-Axis Horizontal Polarization   |
| 2402           | 103.56          | H         | --    | --     | Avg                   | 1.15                  | 180                     | @ 3 Meters - Power Setting 4     |
| 2385.992       | 54.89           | H         | 74    | -19.11 | Peak                  | 1.15                  | 180                     | X-Axis - Horizontal Polarization |
| 2385.994       | 49.88           | H         | 54    | -4.12  | Avg                   | 1.15                  | 180                     | @ 3 Meters - Power Setting 4     |
| 2402           | 105.69          | V         | --    | --     | Peak                  | 1.5                   | 135                     | Z-Axis - Vertical Polarization   |
| 2402           | 105.06          | V         | --    | --     | Avg                   | 1.5                   | 135                     | @ 3 Meters - Power Setting 4     |
| 2385.952       | 55.33           | V         | 74    | -18.67 | Peak                  | 1.5                   | 135                     | Z-Axis - Vertical Polarization   |
| 2385.952       | 50.19           | V         | 54    | -3.81  | Avg                   | 1.5                   | 135                     | @ 3 Meters - Power Setting 4     |
|                |                 |           |       |        |                       |                       |                         |                                  |
|                |                 |           |       |        |                       |                       |                         |                                  |
|                |                 |           |       |        |                       |                       |                         |                                  |





Date: 19.MAR.2015 12:39:23

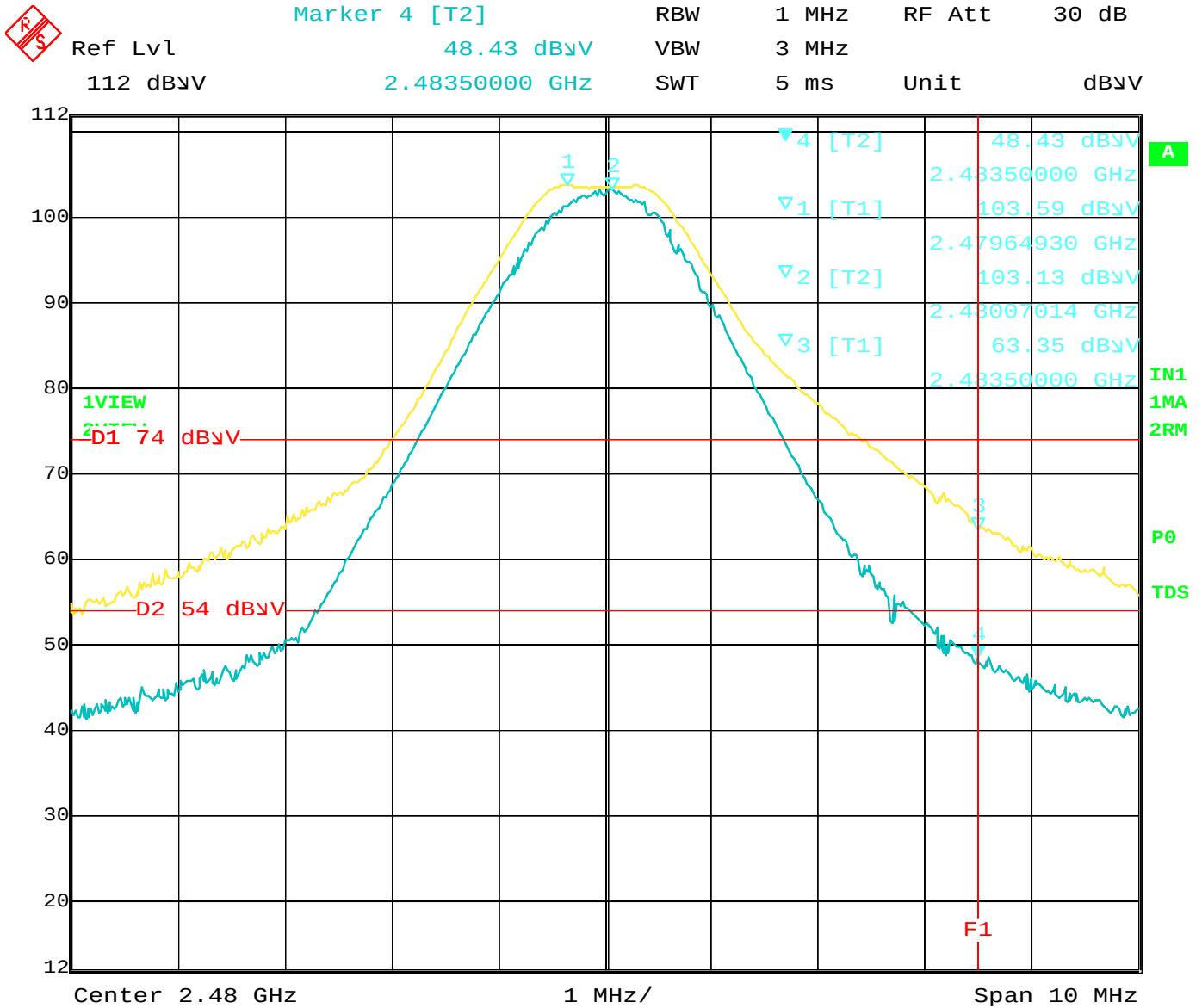
Band Edge – Low Channel – Horizontal – X-Axis – Worst Case – Chip Antenna



Date: 19.MAR.2015 12:47:14

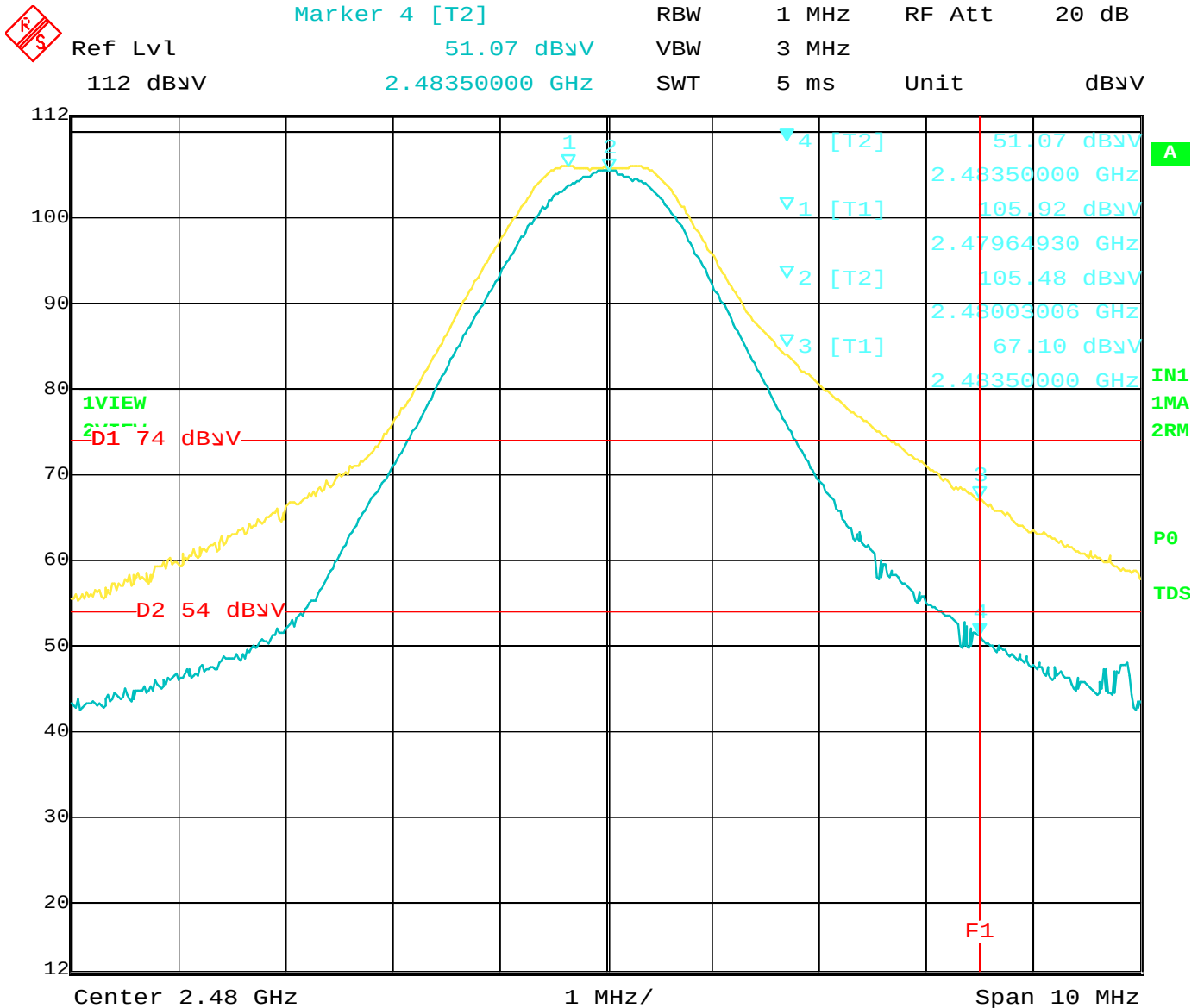
Band Edge – Low Channel – Vertical – Z-Axis – Worst Case – Chip Antenna





Date: 19.MAR.2015 11:16:09

Band Edge – High Channel – Horizontal – X-Axis – Worst Case – Chip Antenna



Date: 19.MAR.2015 09:56:15

Band Edge – High Channel – Vertical – Z-Axis – Worst Case – Chip Antenna

***BAND EDGES***

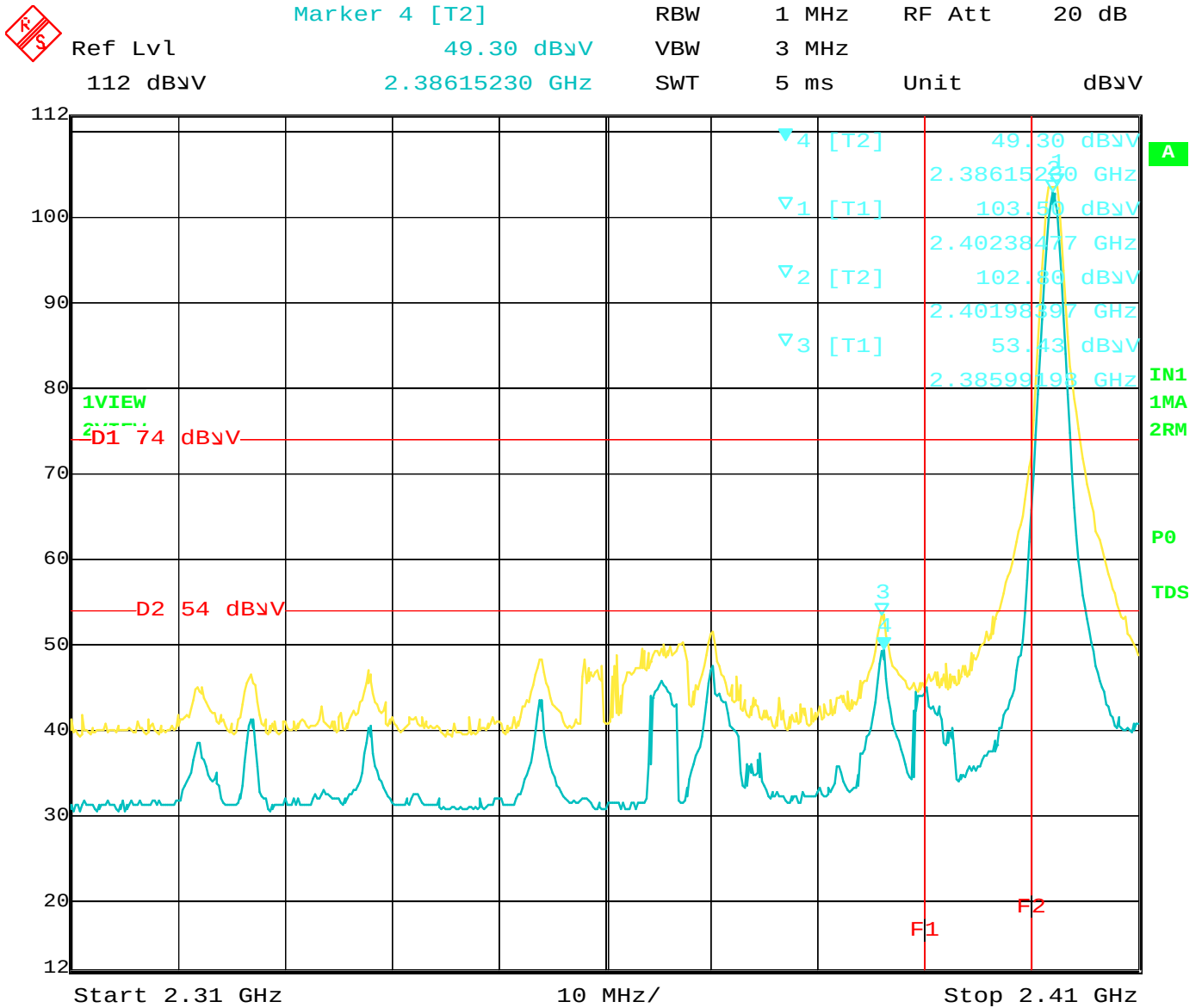
***DATA SHEETS***

***UFL ANTENNA***

**FCC 15.247**Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232Date: 03/19/2015  
Lab: B  
Tested By: Kyle Fujimoto**Band Edges - UFL Antenna - Power Level 4 - 2 Mbit/s Worst Case****Low Channel - See Comments for Worst Case Axis**

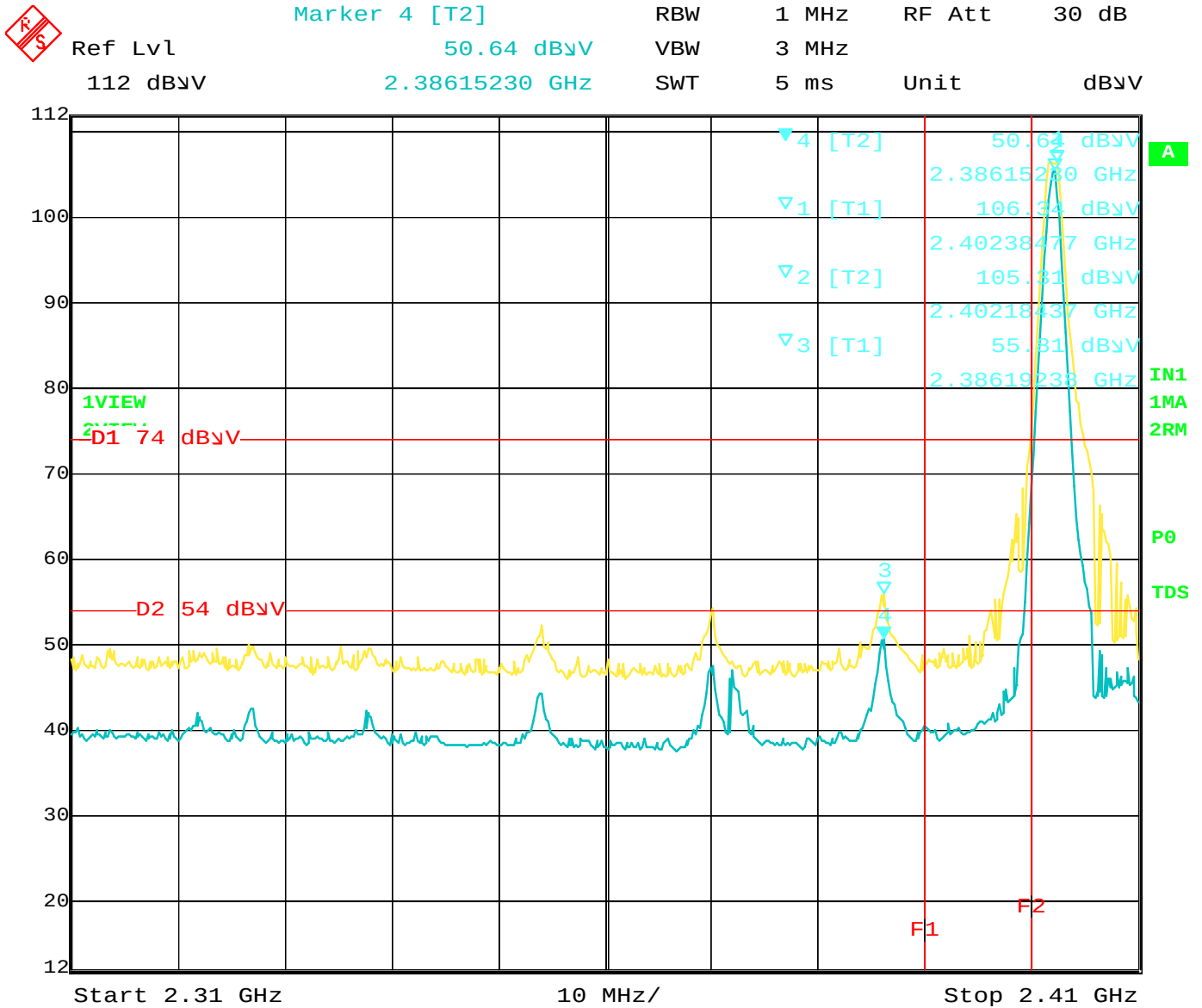
| Freq.<br>(MHz) | Level<br>(dBuV) | Pol (v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(deg) | Comments                         |
|----------------|-----------------|-----------|-------|--------|-----------------------|-----------------------|-------------------------|----------------------------------|
| 2402           | 103.50          | H         | --    | --     | Peak                  | 1.5                   | 135                     | X-Axis Horizontal Polarization   |
| 2402           | 102.80          | H         | --    | --     | Avg                   | 1.5                   | 135                     | @ 3 Meters - Power Setting 4     |
| 2385.992       | 53.43           | H         | 74    | -20.57 | Peak                  | 1.5                   | 135                     | X-Axis - Horizontal Polarization |
| 2386.152       | 49.30           | H         | 54    | -4.7   | Avg                   | 1.5                   | 135                     | @ 3 Meters - Power Setting 4     |
| 2402           | 106.34          | V         | --    | --     | Peak                  | 1.5                   | 270                     | Z-Axis - Vertical Polarization   |
| 2402           | 105.31          | V         | --    | --     | Avg                   | 1.5                   | 270                     | @ 3 Meters - Power Setting 4     |
| 2386.192       | 55.81           | V         | 74    | -18.19 | Peak                  | 1.5                   | 270                     | Z-Axis - Vertical Polarization   |
| 2386.152       | 50.64           | V         | 54    | -3.36  | Avg                   | 1.5                   | 270                     | @ 3 Meters - Power Setting 4     |
|                |                 |           |       |        |                       |                       |                         |                                  |
|                |                 |           |       |        |                       |                       |                         |                                  |
|                |                 |           |       |        |                       |                       |                         |                                  |





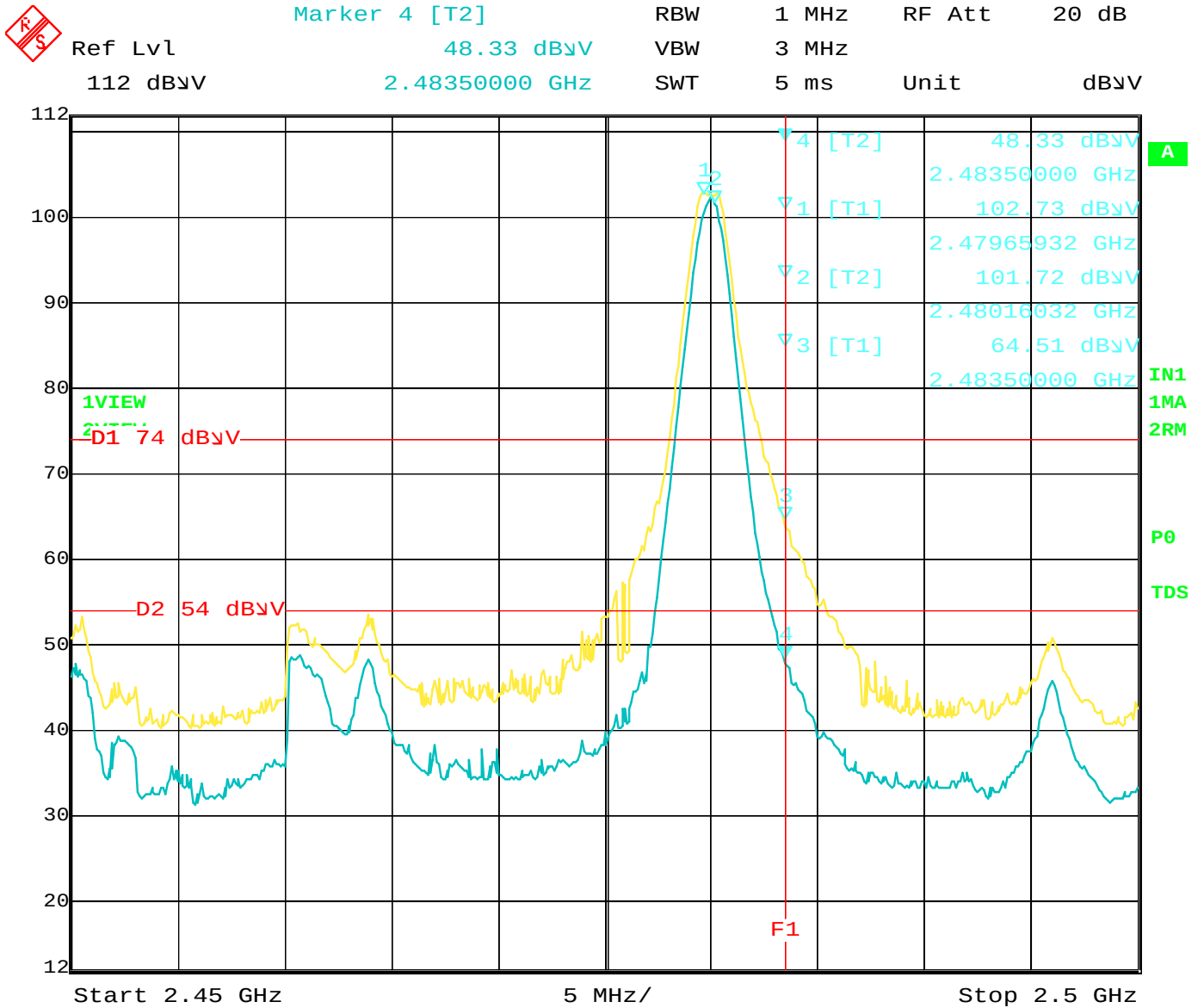
Date: 19.MAR.2015 13:58:40

Band Edge – Low Channel – Horizontal – X-Axis – Worst Case – UFL Antenna



Date: 19.MAR.2015 13:07:18

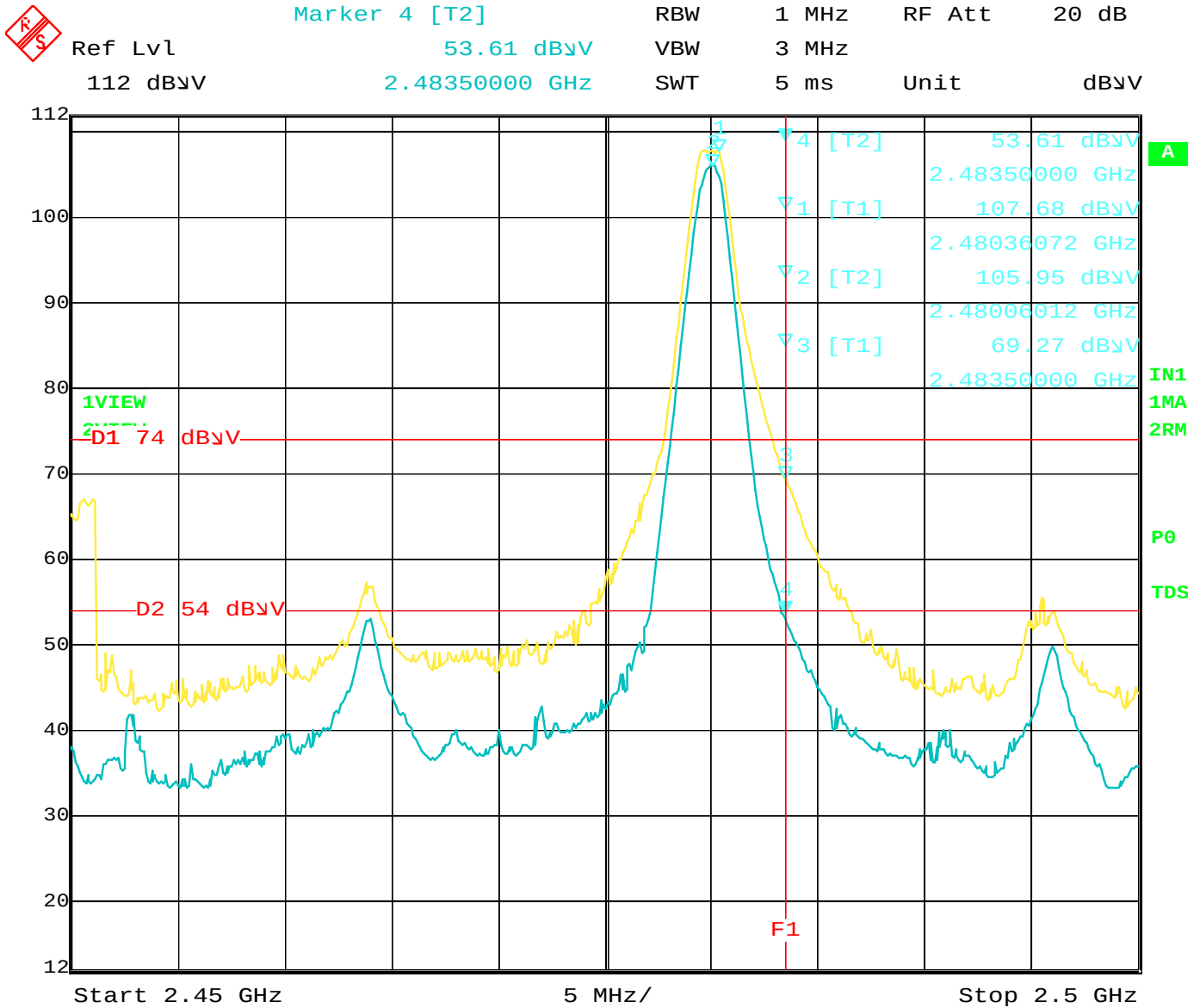
Band Edge – Low Channel – Vertical – Z-Axis – Worst Case – UFL Antenna



Date: 19.MAR.2015 13:47:44

Band Edge – High Channel – Horizontal – X-Axis – Worst Case – UFL Antenna



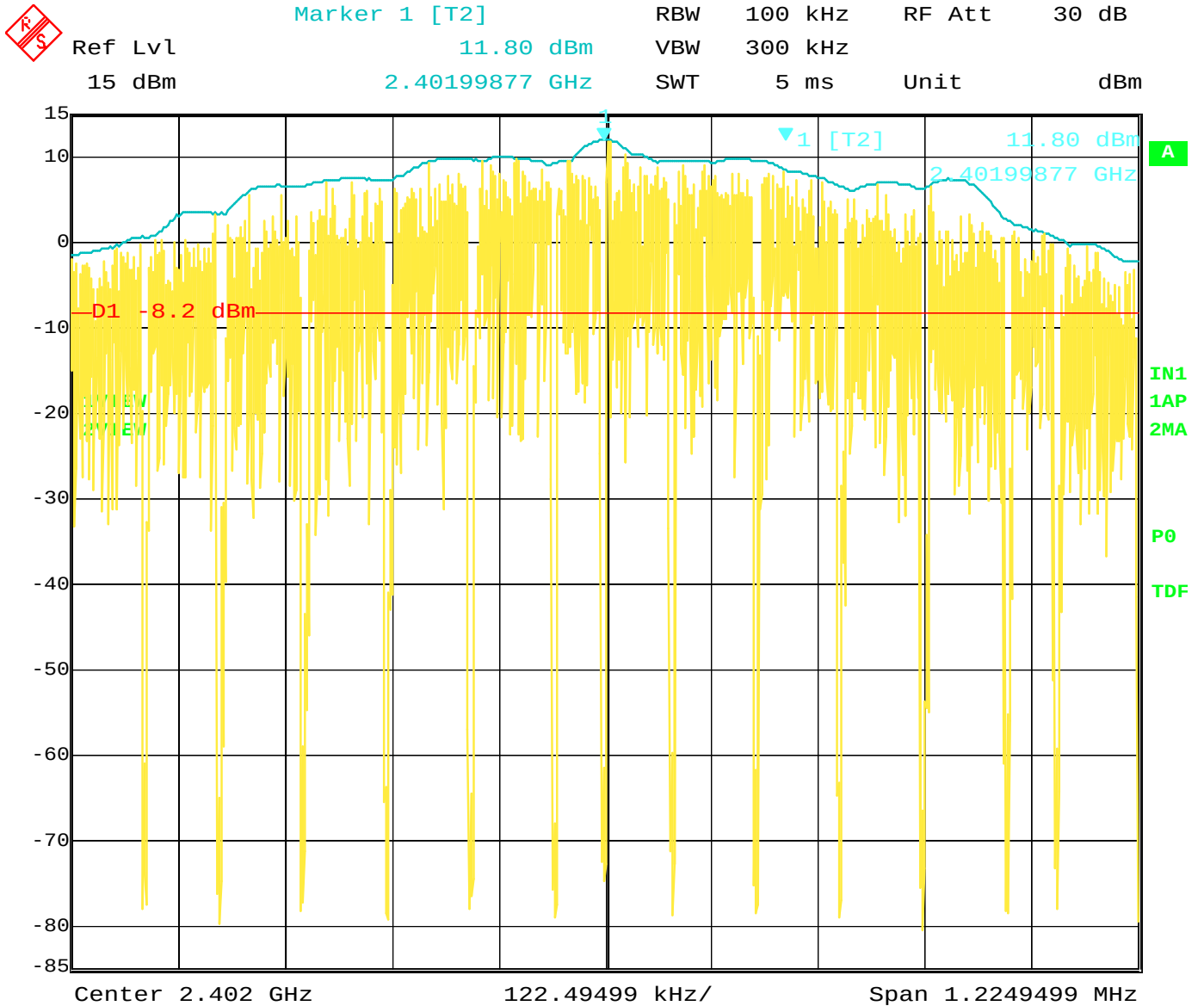


Date: 19.MAR.2015 13:37:09

Band Edge – High Channel – Vertical – Z-Axis – Worst Case – UFL Antenna

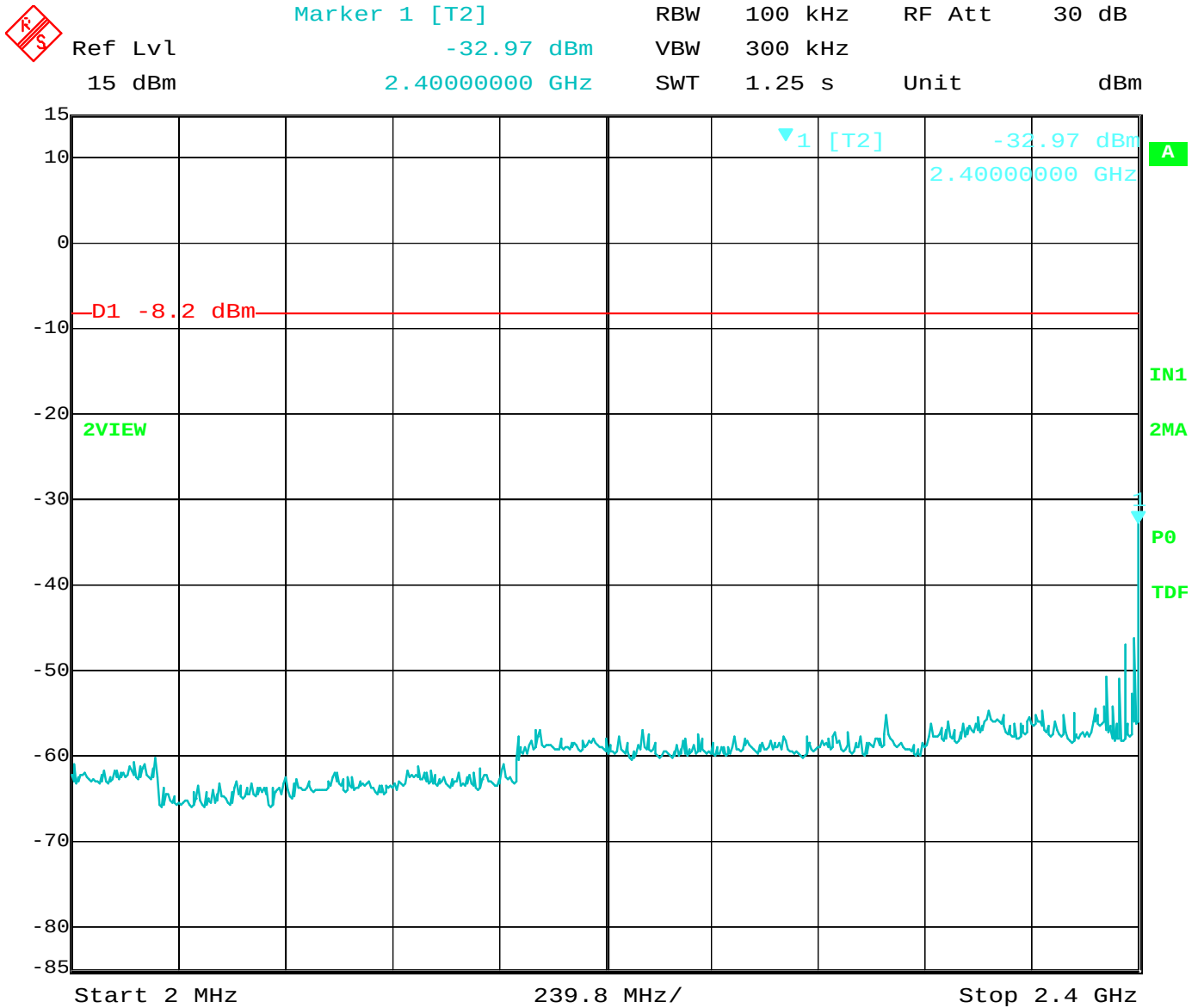


***RF ANTENNA CONDUCTED  
DATA SHEETS***



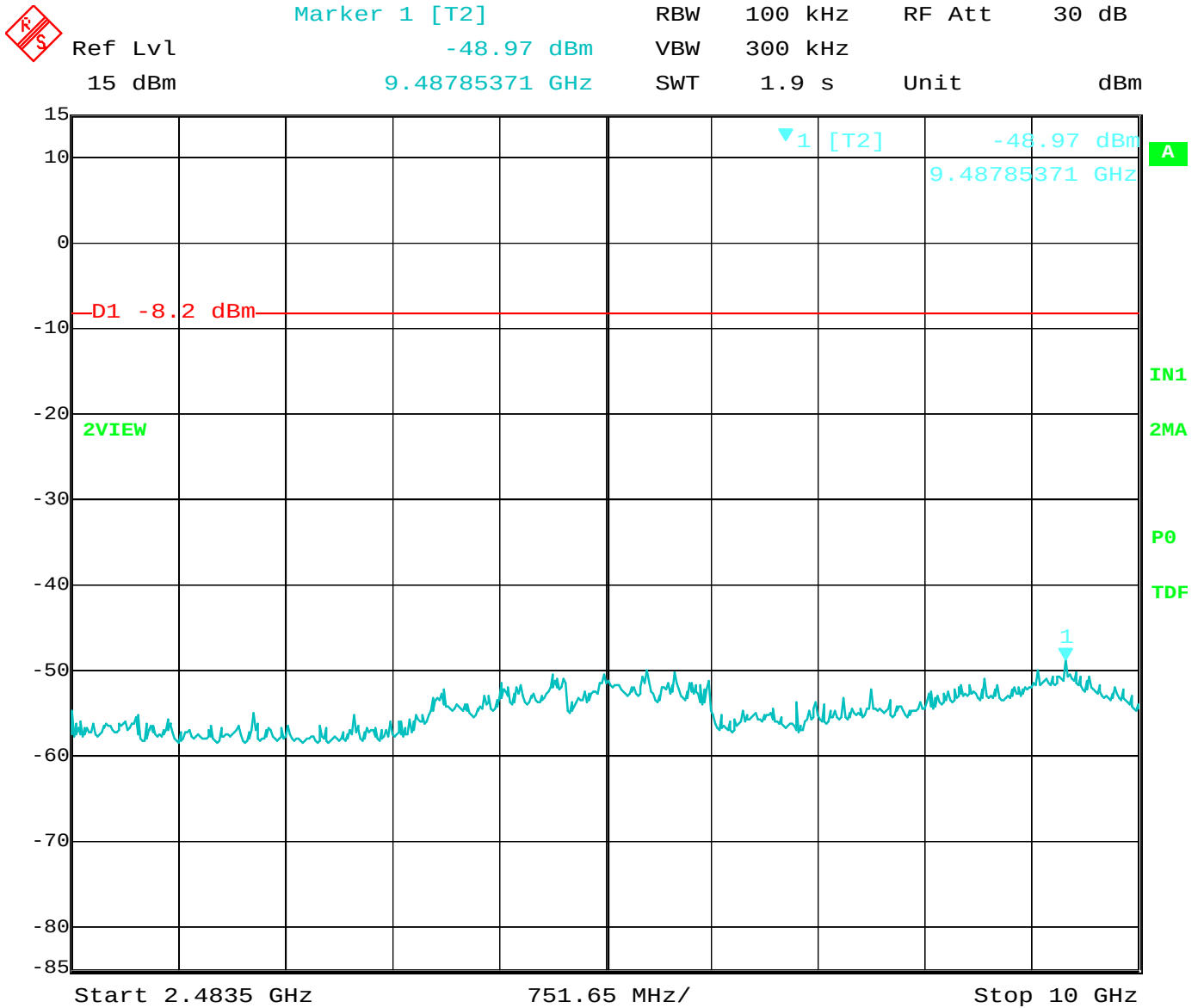
Date: 30.MAR.2015 11:42:58

RF Antenna Conducted – Low Channel – Reference Level – UFL Antenna



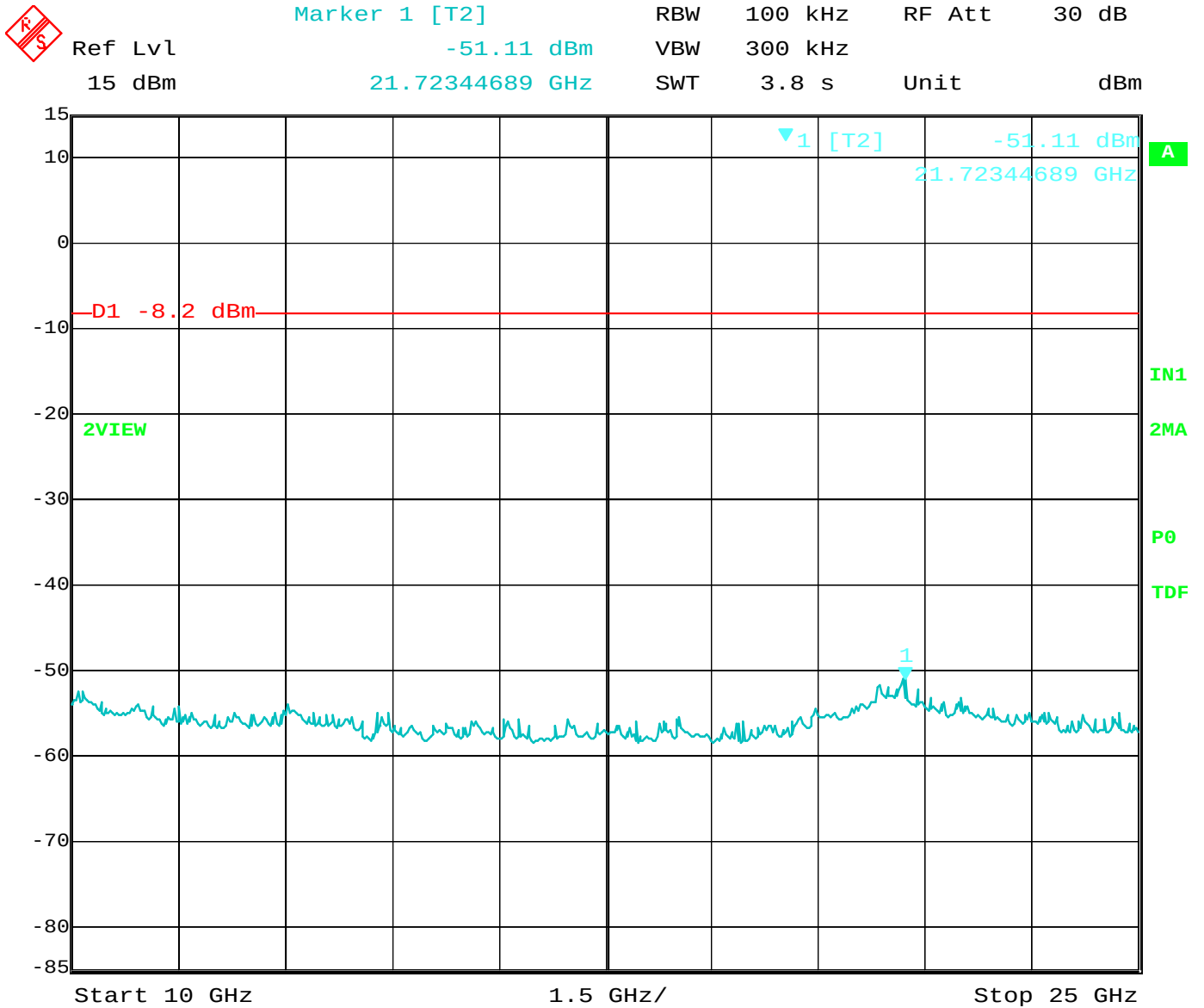
Date: 30.MAR.2015 11:44:17

RF Antenna Conducted – Low Channel – 2 MHz to 2.4 GHz – UFL Antenna



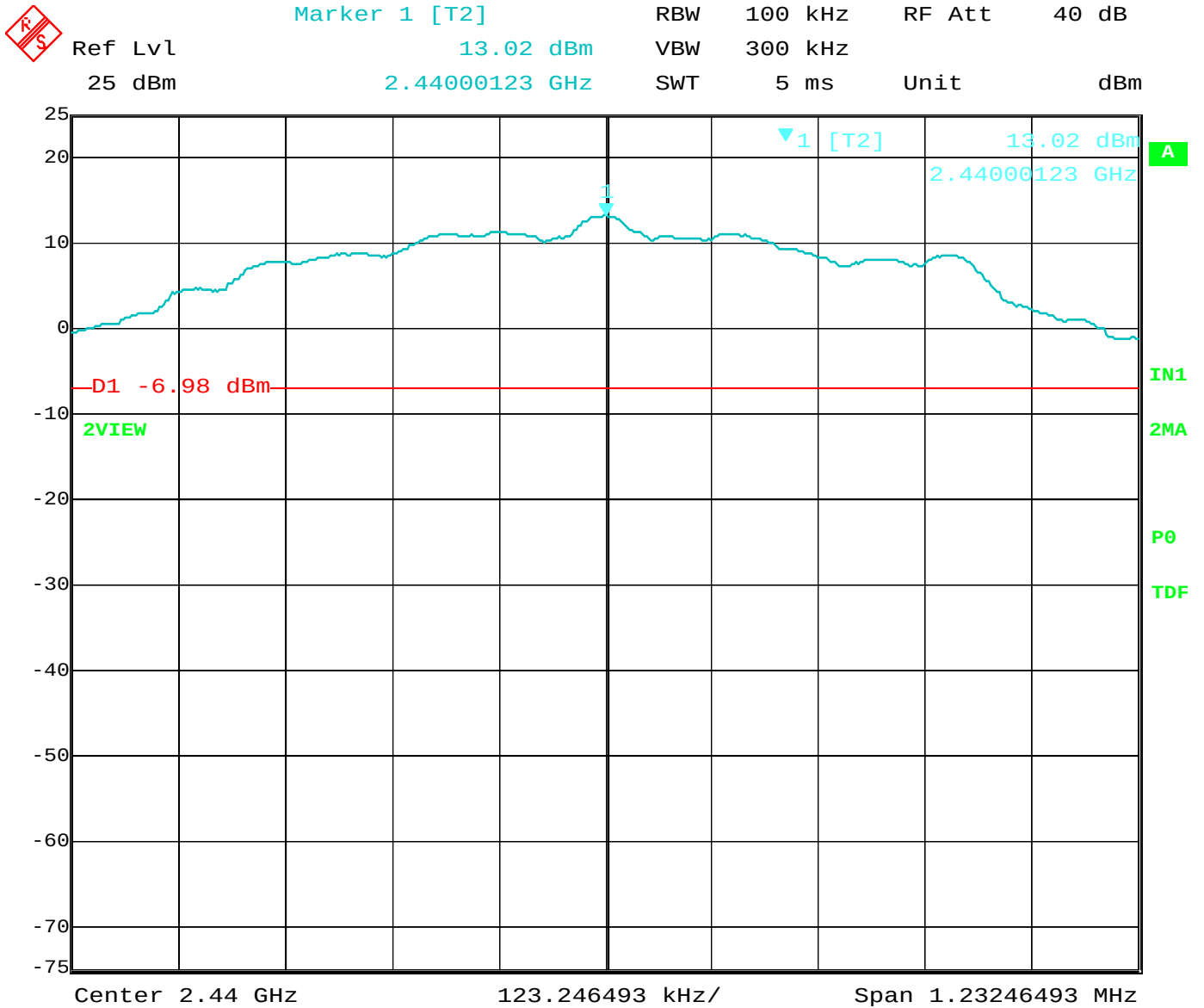
Date: 30.MAR.2015 11:44:59

RF Antenna Conducted – Low Channel – 2.4835 GHz to 10 GHz – UFL Antenna



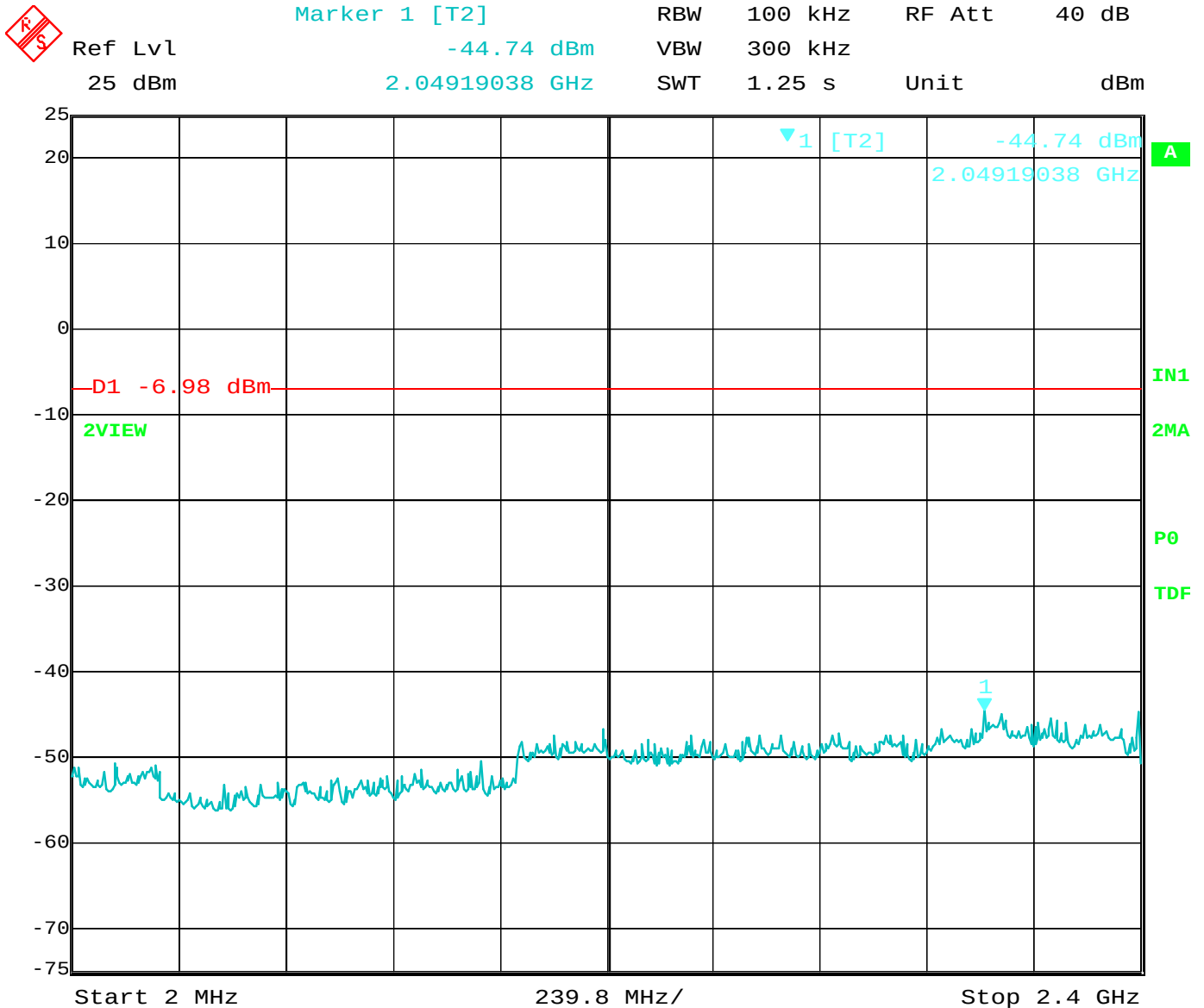
Date: 30.MAR.2015 11:45:36

RF Antenna Conducted – Low Channel – 10 GHz to 25 GHz – UFL Antenna



Date: 30.MAR.2015 11:58:08

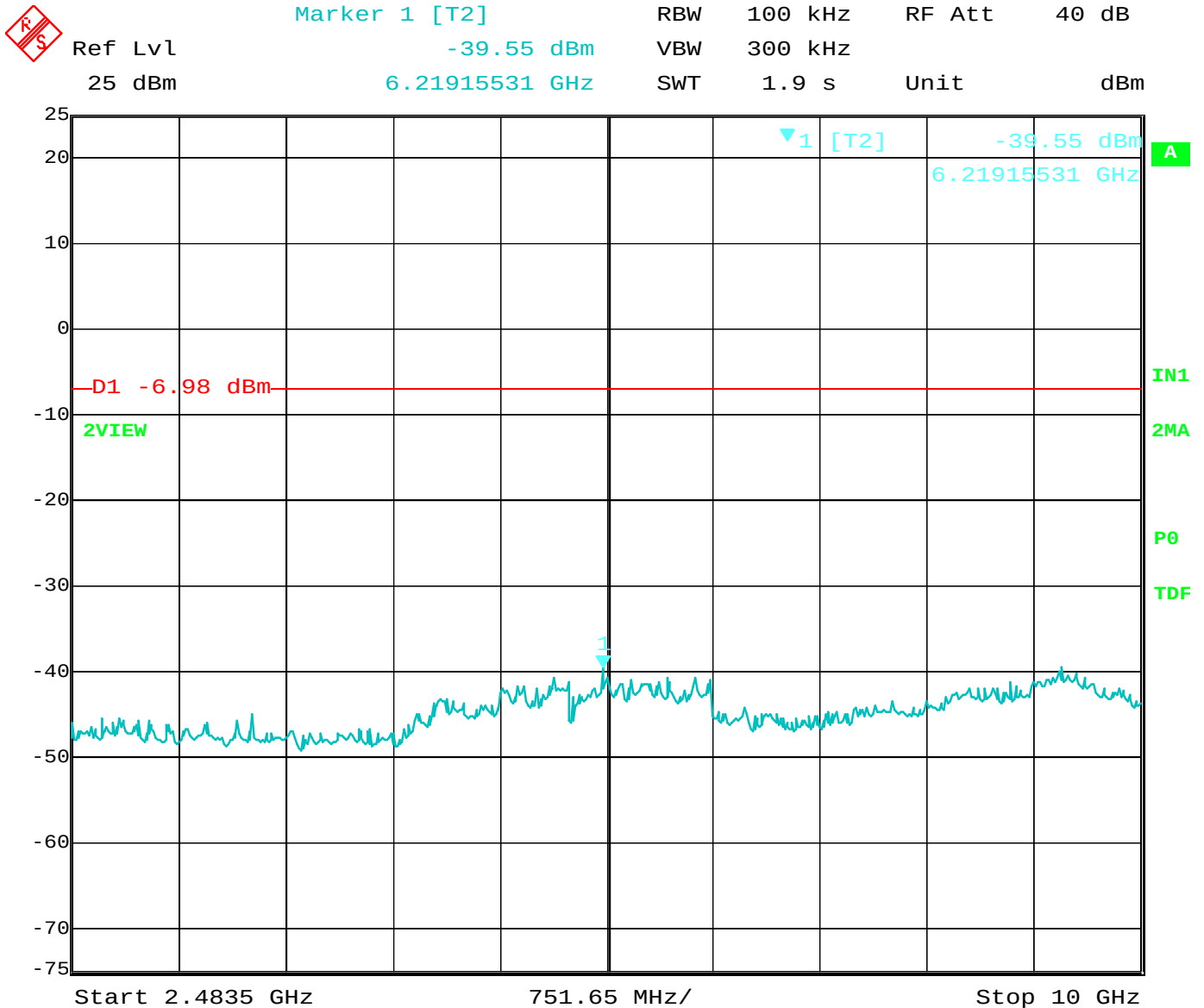
RF Antenna Conducted – Middle Channel – Reference Level – UFL Antenna



Date: 30.MAR.2015 11:58:38

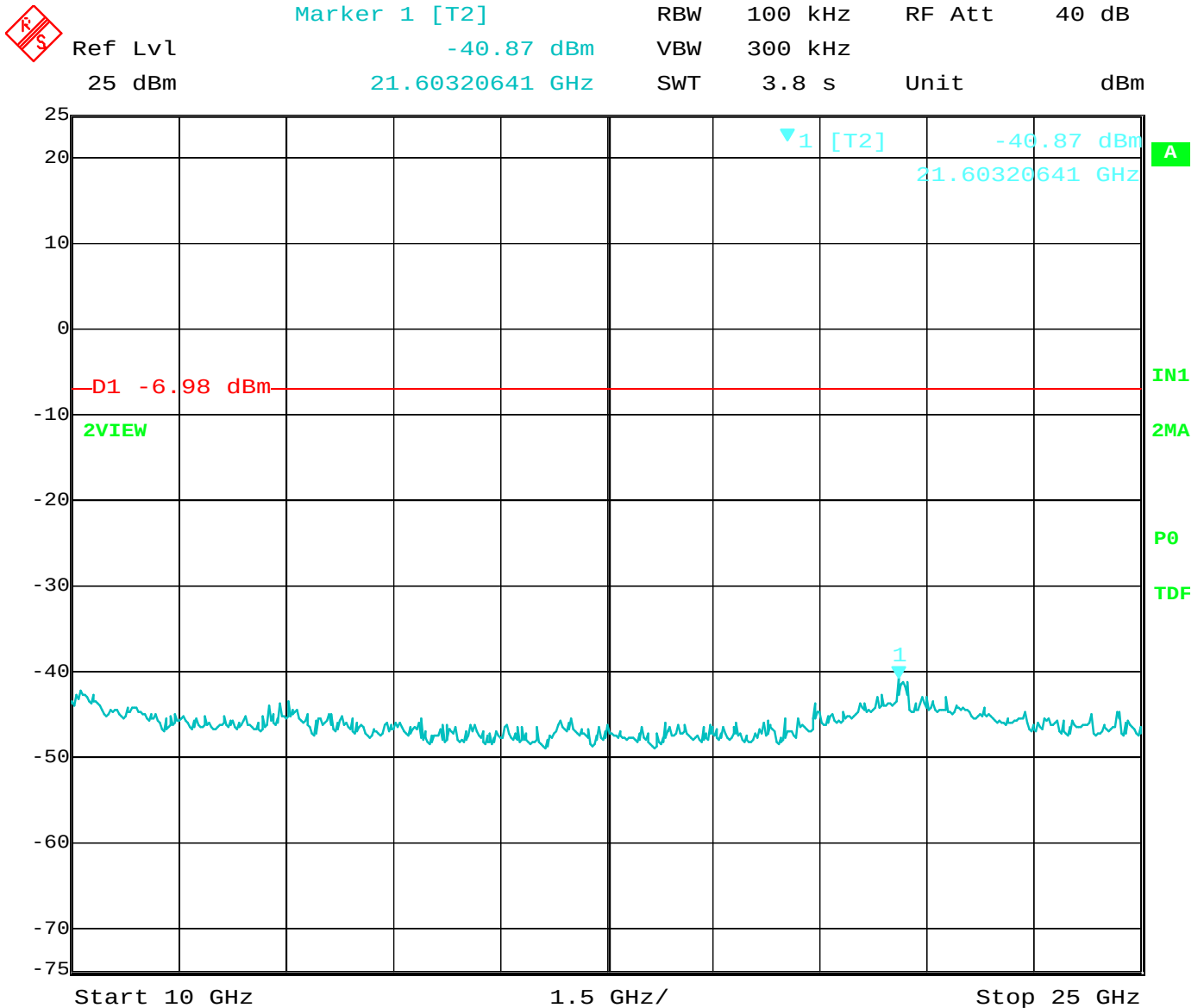
RF Antenna Conducted – Middle Channel – 2 MHz to 2.4 GHz – UFL Antenna





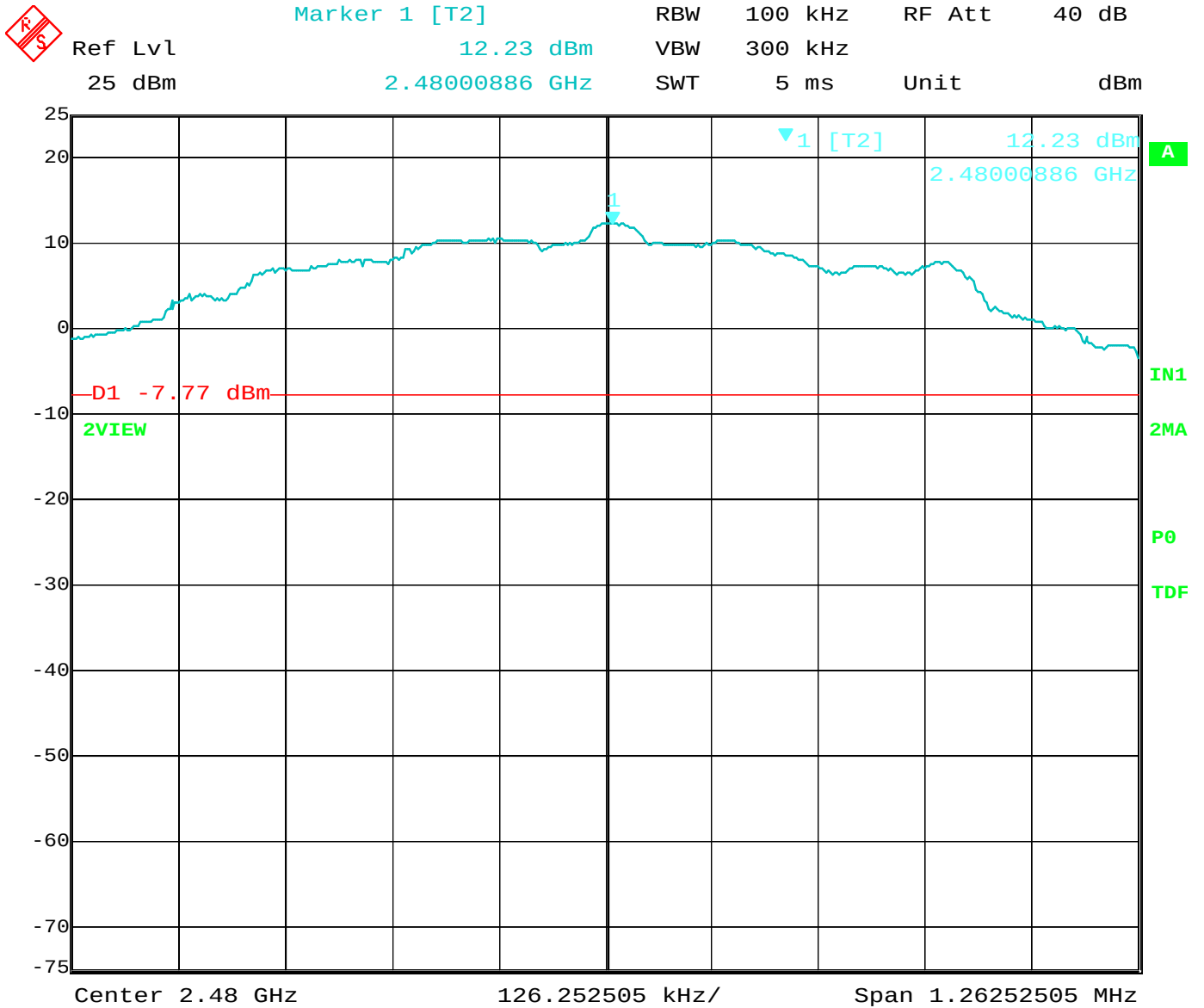
Date: 30.MAR.2015 11:59:08

RF Antenna Conducted – Middle Channel – 2.4385 GHz to 10 GHz – UFL Antenna



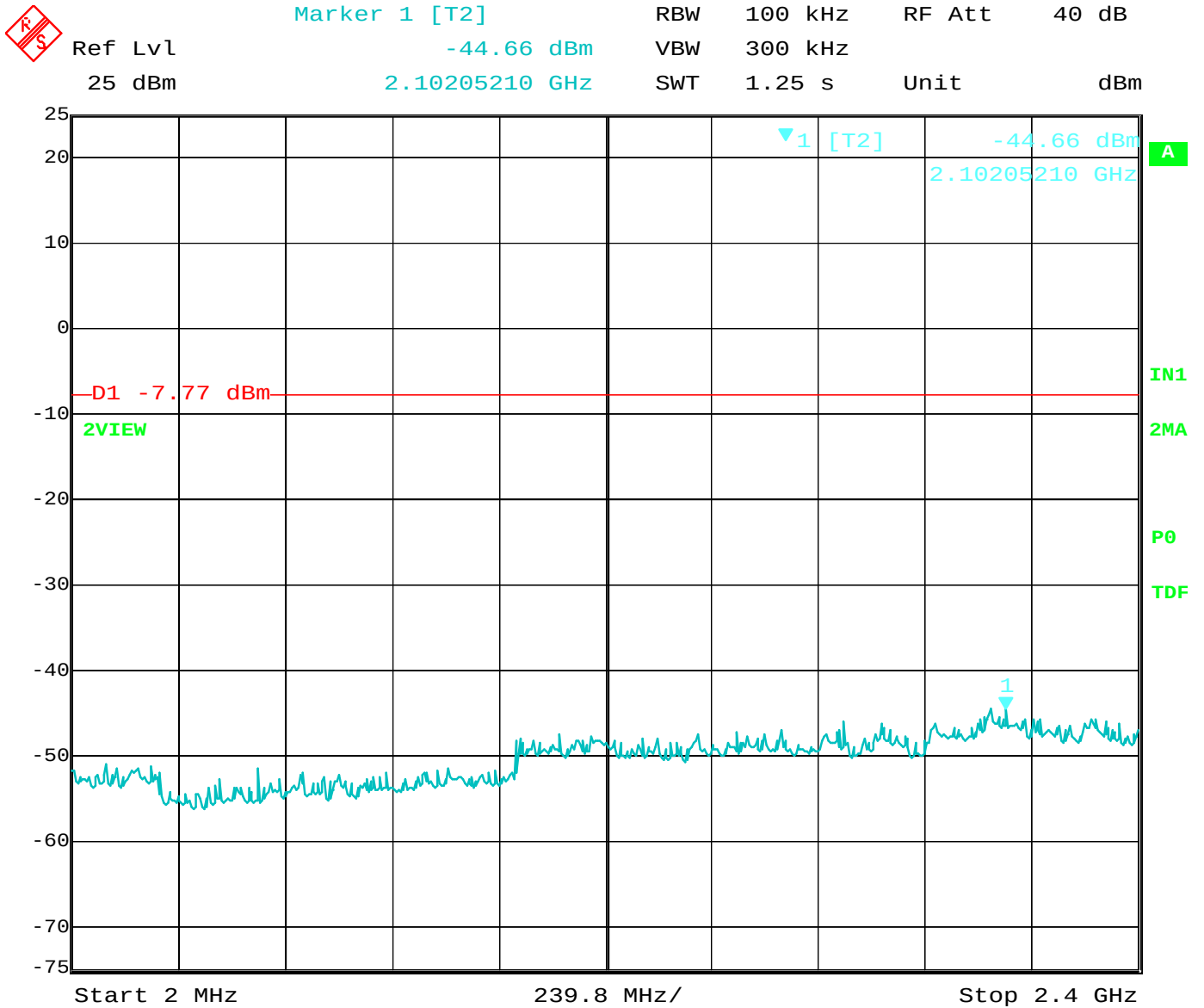
Date: 30.MAR.2015 11:59:41

RF Antenna Conducted – Middle Channel – 10 GHz to 25 GHz – UFL Antenna



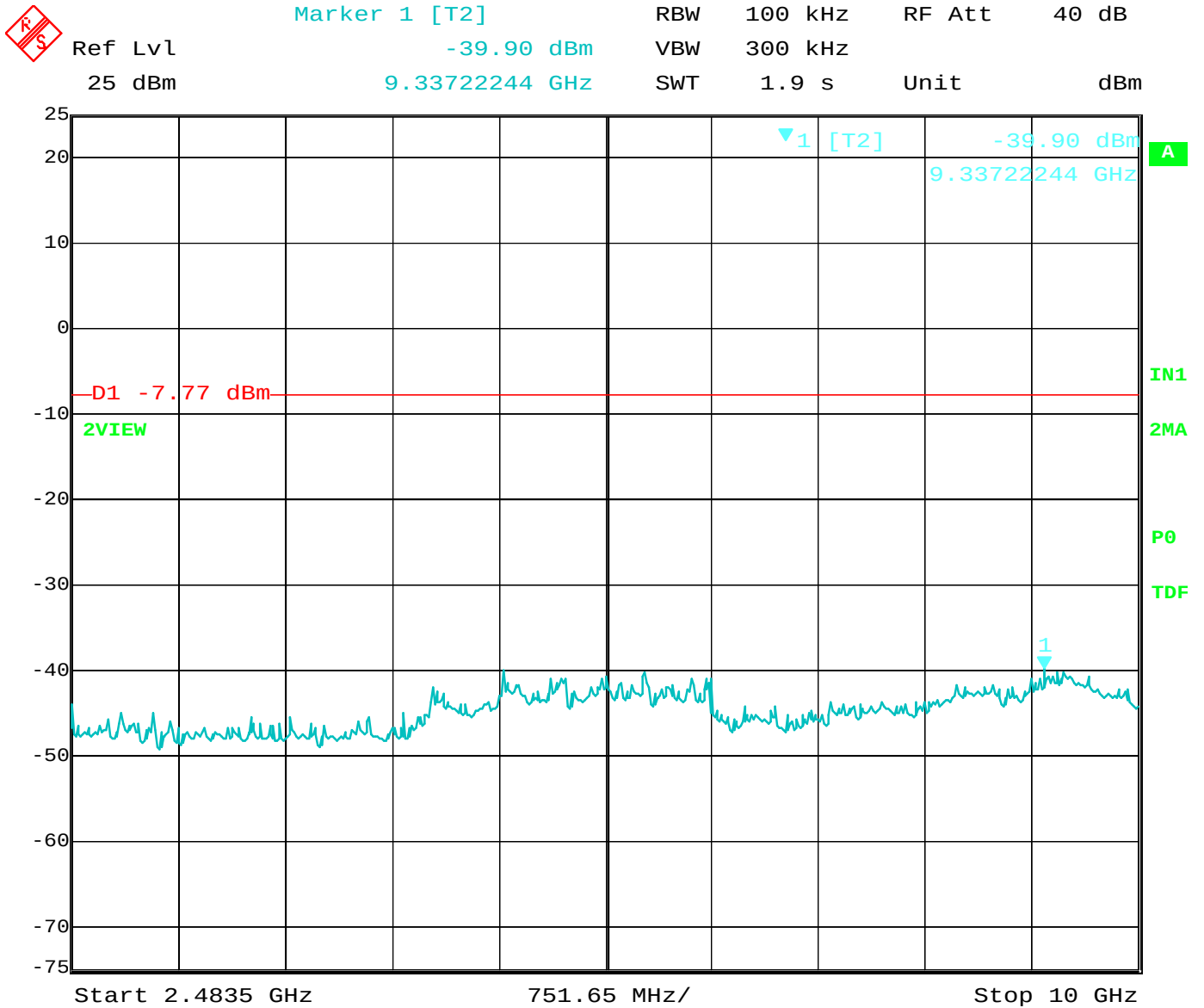
Date: 30.MAR.2015 12:15:23

RF Antenna Conducted – High Channel – Reference Level – UFL Antenna



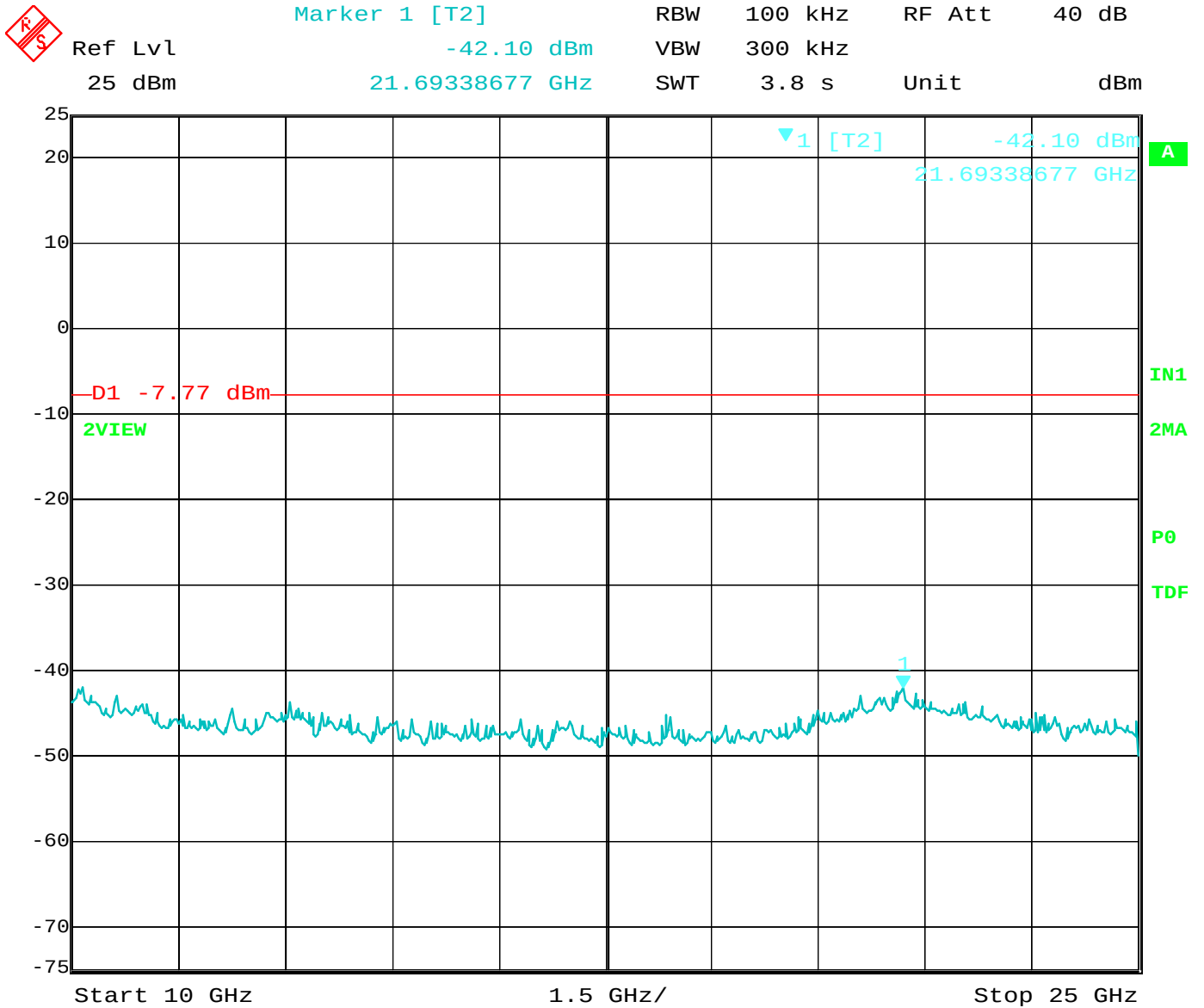
Date: 30.MAR.2015 12:16:06

RF Antenna Conducted – High Channel – 2 MHz to 2.4 GHz – UFL Antenna



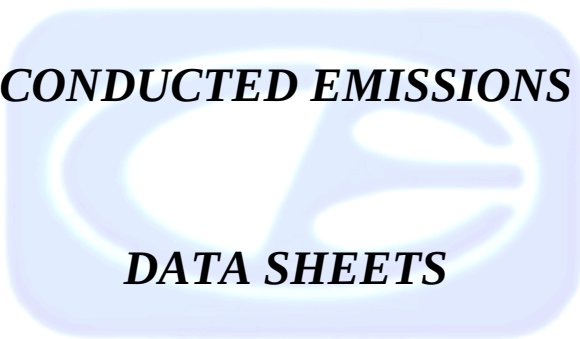
Date: 30.MAR.2015 12:16:34

RF Antenna Conducted – High Channel – 2.4835 GHz to 10 GHz – UFL Antenna



Date: 30.MAR.2015 12:17:01

RF Antenna Conducted – High Channel – 10 GHz to 25 GHz – UFL Antenna



## ***CONDUCTED EMISSIONS***

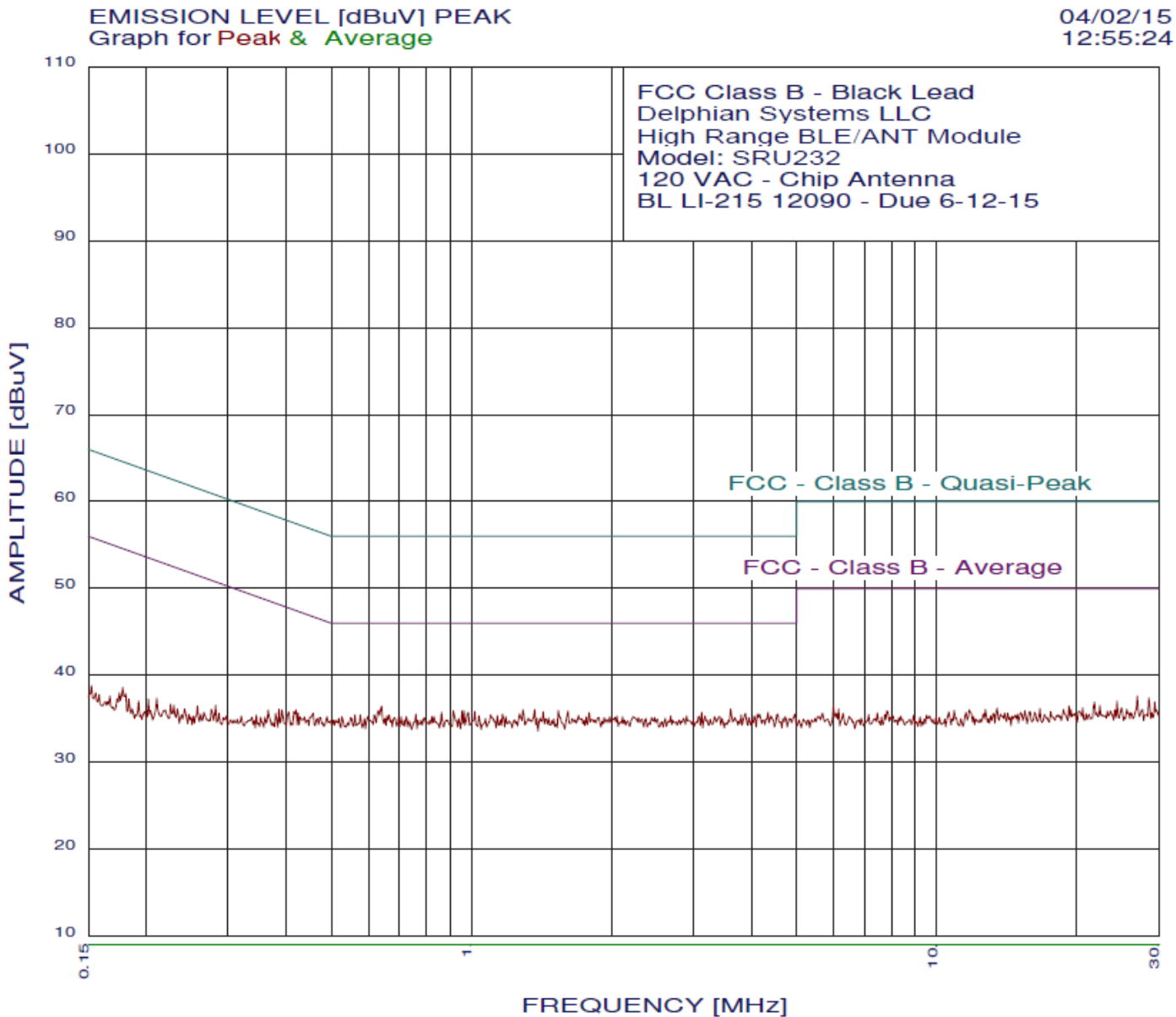
### ***DATA SHEETS***

**CONDUCTED EMISSIONS**

**DATA SHEETS**

**CHIP ANTENNA**





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04/02/15 12:55:24

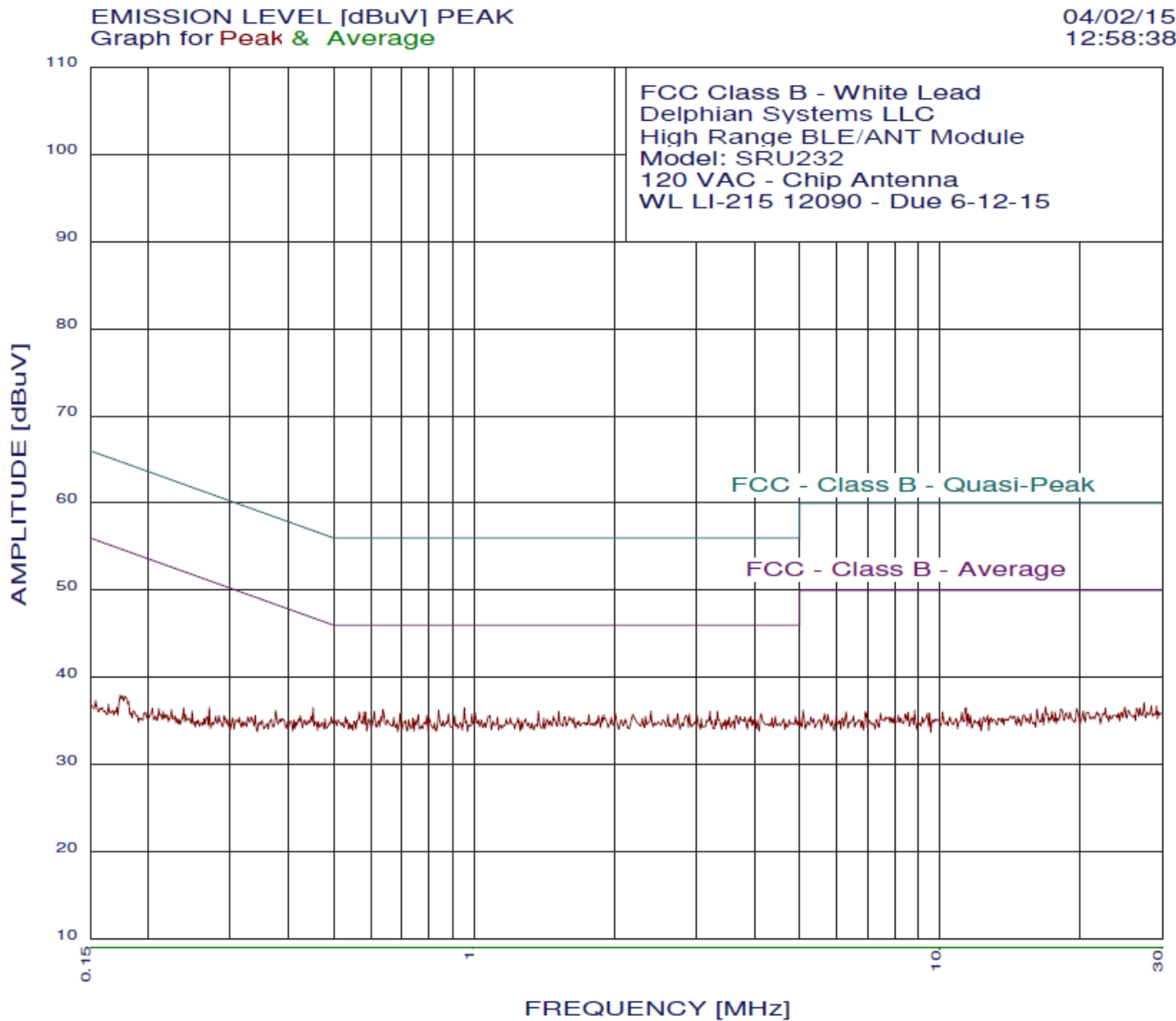
FCC Class B - Black Lead  
Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232  
120 VAC - Chip Antenna  
BL LI-215 12090 - Due 6-12-15  
Test Engineer : Kenneth Lee

-----  
50 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.01 dB, Curve : Peak

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|-------|-----------|-----------|-----------|-----------|
| 1     | 0.641     | 36.44     | 46.00     | -9.56     |
| 2     | 3.605     | 36.14     | 46.00     | -9.86     |
| 3     | 1.367     | 36.08     | 46.00     | -9.92     |
| 4     | 1.290     | 36.07     | 46.00     | -9.93     |
| 5     | 1.536     | 35.99     | 46.00     | -10.01    |
| 6     | 0.631     | 35.94     | 46.00     | -10.06    |
| 7     | 0.914     | 35.94     | 46.00     | -10.06    |
| 8     | 0.953     | 35.94     | 46.00     | -10.06    |
| 9     | 0.963     | 35.94     | 46.00     | -10.06    |
| 10    | 1.611     | 35.90     | 46.00     | -10.10    |
| 11    | 1.016     | 35.84     | 46.00     | -10.16    |
| 12    | 1.426     | 35.78     | 46.00     | -10.22    |
| 13    | 4.339     | 35.75     | 46.00     | -10.25    |
| 14    | 3.124     | 35.74     | 46.00     | -10.26    |
| 15    | 0.862     | 35.74     | 46.00     | -10.26    |
| 16    | 0.984     | 35.74     | 46.00     | -10.26    |
| 17    | 1.790     | 35.72     | 46.00     | -10.28    |
| 18    | 3.882     | 35.65     | 46.00     | -10.35    |
| 19    | 1.269     | 35.57     | 46.00     | -10.43    |
| 20    | 1.166     | 35.56     | 46.00     | -10.44    |
| 21    | 4.954     | 35.55     | 46.00     | -10.45    |
| 22    | 4.552     | 35.55     | 46.00     | -10.45    |
| 23    | 4.159     | 35.55     | 46.00     | -10.45    |
| 24    | 4.114     | 35.55     | 46.00     | -10.45    |
| 25    | 0.759     | 35.54     | 46.00     | -10.46    |
| 26    | 1.100     | 35.45     | 46.00     | -10.55    |
| 27    | 3.800     | 35.44     | 46.00     | -10.56    |
| 28    | 0.561     | 35.44     | 46.00     | -10.56    |
| 29    | 0.577     | 35.44     | 46.00     | -10.56    |
| 30    | 0.618     | 35.44     | 46.00     | -10.56    |
| 31    | 0.665     | 35.44     | 46.00     | -10.56    |
| 32    | 1.699     | 35.41     | 46.00     | -10.59    |
| 33    | 1.136     | 35.35     | 46.00     | -10.65    |
| 34    | 4.408     | 35.35     | 46.00     | -10.65    |
| 35    | 4.050     | 35.35     | 46.00     | -10.65    |
| 36    | 3.175     | 35.34     | 46.00     | -10.66    |
| 37    | 2.900     | 35.34     | 46.00     | -10.66    |
| 38    | 1.038     | 35.34     | 46.00     | -10.66    |
| 39    | 2.679     | 35.34     | 46.00     | -10.66    |
| 40    | 0.658     | 35.34     | 46.00     | -10.66    |
| 41    | 2.055     | 35.34     | 46.00     | -10.66    |
| 42    | 1.184     | 35.26     | 46.00     | -10.74    |
| 43    | 4.722     | 35.25     | 46.00     | -10.75    |
| 44    | 0.527     | 35.24     | 46.00     | -10.76    |
| 45    | 3.419     | 35.24     | 46.00     | -10.76    |
| 46    | 3.328     | 35.24     | 46.00     | -10.76    |
| 47    | 3.091     | 35.24     | 46.00     | -10.76    |
| 48    | 0.598     | 35.24     | 46.00     | -10.76    |
| 49    | 0.698     | 35.24     | 46.00     | -10.76    |
| 50    | 0.705     | 35.24     | 46.00     | -10.76    |

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04/02/15 12:58:38

FCC Class B - White Lead  
Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232  
120 VAC - Chip Antenna  
WL LI-215 12090 - Due 6-12-15  
Test Engineer : Kenneth Lee

-----  
50 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.01 dB, Curve : Peak

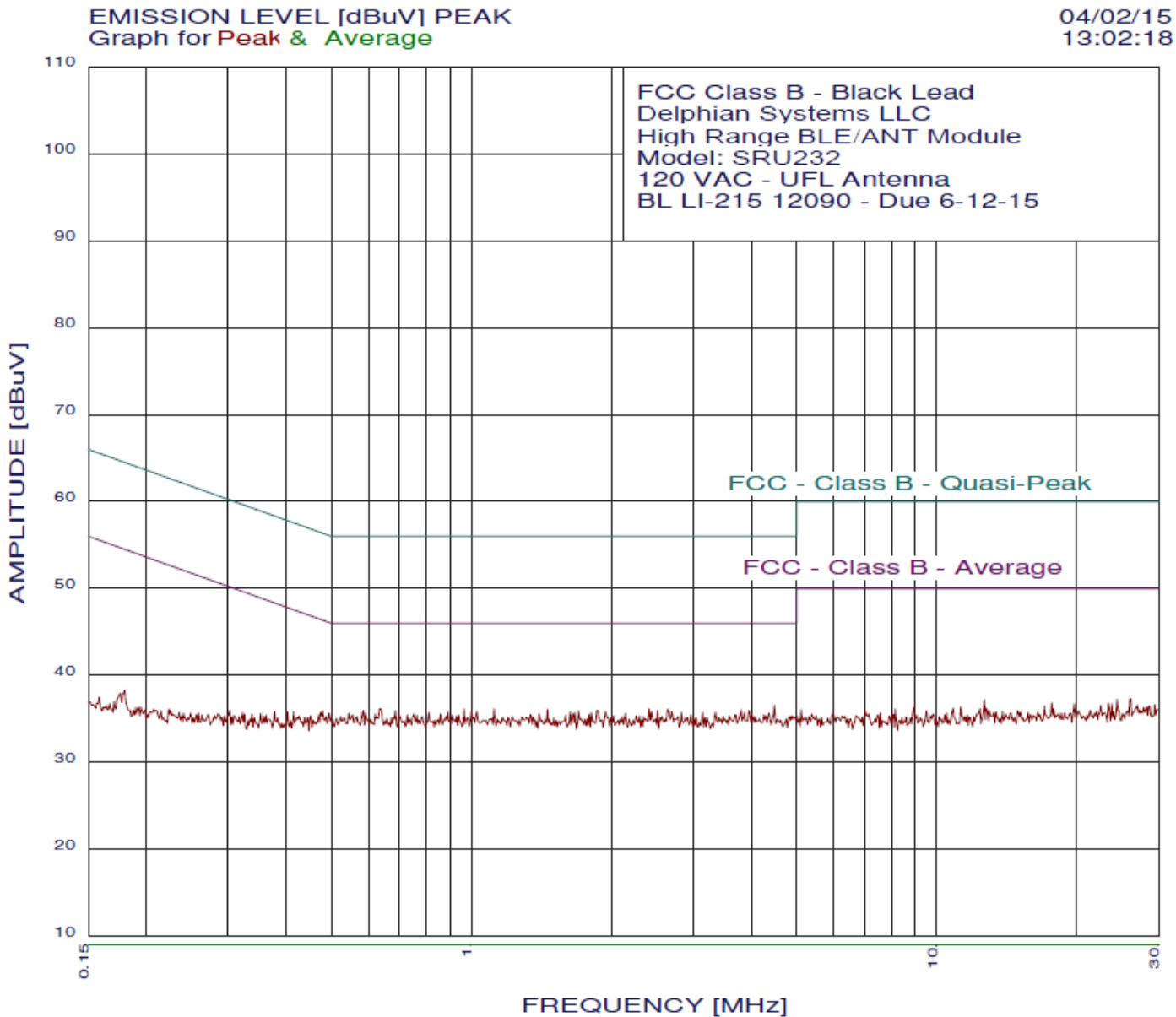
| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|-------|-----------|-----------|-----------|-----------|
| 1     | 0.953     | 36.54     | 46.00     | -9.46     |
| 2     | 0.637     | 36.34     | 46.00     | -9.66     |
| 3     | 0.839     | 36.24     | 46.00     | -9.76     |
| 4     | 1.374     | 36.18     | 46.00     | -9.82     |
| 5     | 0.611     | 36.14     | 46.00     | -9.86     |
| 6     | 3.328     | 36.14     | 46.00     | -9.86     |
| 7     | 3.209     | 36.14     | 46.00     | -9.86     |
| 8     | 2.397     | 36.14     | 46.00     | -9.86     |
| 9     | 1.520     | 36.09     | 46.00     | -9.91     |
| 10    | 0.567     | 36.04     | 46.00     | -9.96     |
| 11    | 0.580     | 36.04     | 46.00     | -9.96     |
| 12    | 0.586     | 36.04     | 46.00     | -9.96     |
| 13    | 1.006     | 35.94     | 46.00     | -10.06    |
| 14    | 4.137     | 35.84     | 46.00     | -10.16    |
| 15    | 2.900     | 35.84     | 46.00     | -10.16    |
| 16    | 2.736     | 35.84     | 46.00     | -10.16    |
| 17    | 0.694     | 35.84     | 46.00     | -10.16    |
| 18    | 2.013     | 35.84     | 46.00     | -10.16    |
| 19    | 0.990     | 35.84     | 46.00     | -10.16    |
| 20    | 0.881     | 35.84     | 46.00     | -10.16    |
| 21    | 2.610     | 35.74     | 46.00     | -10.26    |
| 22    | 2.190     | 35.74     | 46.00     | -10.26    |
| 23    | 0.759     | 35.74     | 46.00     | -10.26    |
| 24    | 1.899     | 35.73     | 46.00     | -10.27    |
| 25    | 1.763     | 35.72     | 46.00     | -10.28    |
| 26    | 0.452     | 36.54     | 46.85     | -10.31    |
| 27    | 1.083     | 35.65     | 46.00     | -10.35    |
| 28    | 3.663     | 35.64     | 46.00     | -10.36    |
| 29    | 3.011     | 35.64     | 46.00     | -10.36    |
| 30    | 2.855     | 35.64     | 46.00     | -10.36    |
| 31    | 0.909     | 35.64     | 46.00     | -10.36    |
| 32    | 0.792     | 35.64     | 46.00     | -10.36    |
| 33    | 1.849     | 35.62     | 46.00     | -10.38    |
| 34    | 1.480     | 35.59     | 46.00     | -10.41    |
| 35    | 3.924     | 35.54     | 46.00     | -10.46    |
| 36    | 4.432     | 35.54     | 46.00     | -10.46    |
| 37    | 0.631     | 35.54     | 46.00     | -10.46    |
| 38    | 3.722     | 35.54     | 46.00     | -10.46    |
| 39    | 4.902     | 35.54     | 46.00     | -10.46    |
| 40    | 2.334     | 35.54     | 46.00     | -10.46    |
| 41    | 1.603     | 35.50     | 46.00     | -10.50    |
| 42    | 1.569     | 35.50     | 46.00     | -10.50    |
| 43    | 1.124     | 35.45     | 46.00     | -10.55    |
| 44    | 0.530     | 35.45     | 46.00     | -10.55    |
| 45    | 3.820     | 35.44     | 46.00     | -10.56    |
| 46    | 3.529     | 35.44     | 46.00     | -10.56    |
| 47    | 0.672     | 35.44     | 46.00     | -10.56    |
| 48    | 1.971     | 35.44     | 46.00     | -10.56    |
| 49    | 1.879     | 35.43     | 46.00     | -10.57    |
| 50    | 1.637     | 35.40     | 46.00     | -10.60    |

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## ***CONDUCTED EMISSIONS***

### ***DATA SHEETS***

### ***UFL ANTENNA***





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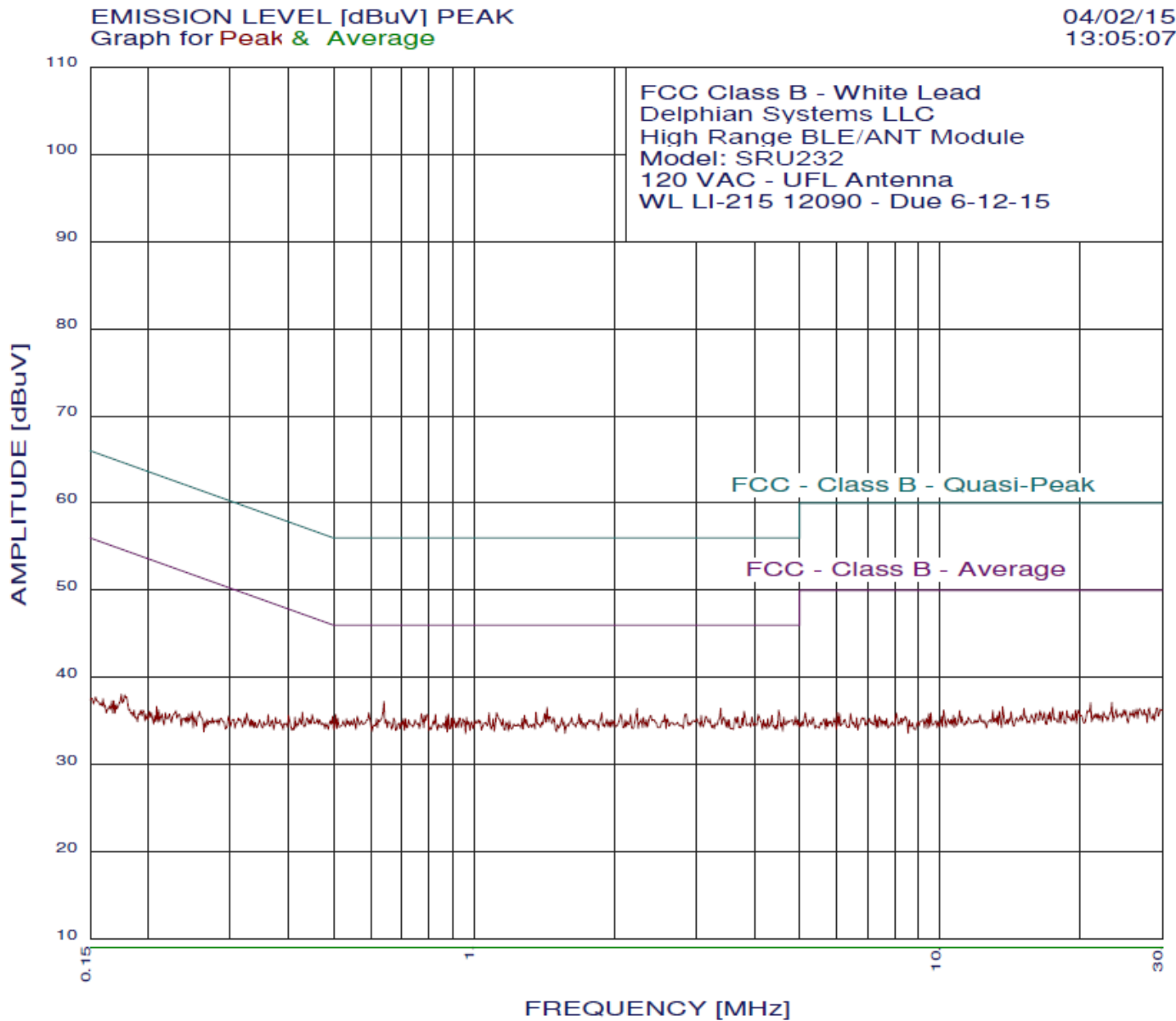
FCC Class B - Black Lead  
Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232  
120 VAC - UFL Antenna  
BL LI-215 12090 - Due 6-12-15  
Test Engineer : Kenneth Lee

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50 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.01 dB, Curve : Peak

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|-------|-----------|-----------|-----------|-----------|
| 1     | 4.480     | 36.55     | 46.00     | -9.45     |
| 2     | 1.118     | 36.15     | 46.00     | -9.85     |
| 3     | 0.634     | 36.14     | 46.00     | -9.86     |
| 4     | 2.410     | 36.14     | 46.00     | -9.86     |
| 5     | 0.963     | 36.14     | 46.00     | -9.86     |
| 6     | 1.456     | 36.09     | 46.00     | -9.91     |
| 7     | 3.800     | 36.04     | 46.00     | -9.96     |
| 8     | 2.651     | 36.04     | 46.00     | -9.96     |
| 9     | 3.945     | 35.95     | 46.00     | -10.05    |
| 10    | 0.586     | 35.94     | 46.00     | -10.06    |
| 11    | 2.514     | 35.94     | 46.00     | -10.06    |
| 12    | 0.686     | 35.94     | 46.00     | -10.06    |
| 13    | 1.869     | 35.93     | 46.00     | -10.07    |
| 14    | 1.699     | 35.91     | 46.00     | -10.09    |
| 15    | 2.693     | 35.84     | 46.00     | -10.16    |
| 16    | 2.436     | 35.84     | 46.00     | -10.16    |
| 17    | 1.027     | 35.84     | 46.00     | -10.16    |
| 18    | 0.890     | 35.84     | 46.00     | -10.16    |
| 19    | 1.000     | 35.84     | 46.00     | -10.16    |
| 20    | 1.939     | 35.83     | 46.00     | -10.17    |
| 21    | 1.629     | 35.80     | 46.00     | -10.20    |
| 22    | 3.862     | 35.75     | 46.00     | -10.25    |
| 23    | 3.346     | 35.74     | 46.00     | -10.26    |
| 24    | 3.141     | 35.74     | 46.00     | -10.26    |
| 25    | 2.826     | 35.74     | 46.00     | -10.26    |
| 26    | 0.809     | 35.74     | 46.00     | -10.26    |
| 27    | 1.810     | 35.72     | 46.00     | -10.28    |
| 28    | 1.671     | 35.71     | 46.00     | -10.29    |
| 29    | 4.361     | 35.65     | 46.00     | -10.35    |
| 30    | 0.544     | 35.64     | 46.00     | -10.36    |
| 31    | 0.592     | 35.64     | 46.00     | -10.36    |
| 32    | 2.145     | 35.64     | 46.00     | -10.36    |
| 33    | 1.654     | 35.61     | 46.00     | -10.39    |
| 34    | 1.397     | 35.58     | 46.00     | -10.42    |
| 35    | 0.479     | 35.94     | 46.36     | -10.42    |
| 36    | 0.494     | 35.64     | 46.09     | -10.45    |
| 37    | 0.621     | 35.54     | 46.00     | -10.46    |
| 38    | 0.751     | 35.54     | 46.00     | -10.46    |
| 39    | 0.858     | 35.54     | 46.00     | -10.46    |
| 40    | 1.790     | 35.52     | 46.00     | -10.48    |
| 41    | 1.338     | 35.47     | 46.00     | -10.53    |
| 42    | 4.249     | 35.45     | 46.00     | -10.55    |
| 43    | 4.008     | 35.45     | 46.00     | -10.55    |
| 44    | 3.702     | 35.44     | 46.00     | -10.56    |
| 45    | 0.555     | 35.44     | 46.00     | -10.56    |
| 46    | 2.963     | 35.44     | 46.00     | -10.56    |
| 47    | 0.728     | 35.44     | 46.00     | -10.56    |
| 48    | 0.763     | 35.44     | 46.00     | -10.56    |
| 49    | 0.909     | 35.44     | 46.00     | -10.56    |
| 50    | 0.939     | 35.44     | 46.00     | -10.56    |

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FCC Class B - White Lead  
Delphian Systems LLC  
High Range BLE/ANT Module  
Model: SRU232  
120 VAC - UFL Antenna  
WL LI-215 12090 - Due 6-12-15  
Test Engineer : Kenneth Lee

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50 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.01 dB, Curve : Peak

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|-------|-----------|-----------|-----------|-----------|
| 1     | 0.641     | 37.24     | 46.00     | -8.76     |
| 2     | 1.434     | 36.58     | 46.00     | -9.42     |
| 3     | 3.383     | 36.44     | 46.00     | -9.56     |
| 4     | 2.238     | 36.44     | 46.00     | -9.56     |
| 5     | 4.504     | 36.24     | 46.00     | -9.76     |
| 6     | 3.800     | 36.14     | 46.00     | -9.86     |
| 7     | 1.359     | 35.97     | 46.00     | -10.03    |
| 8     | 1.118     | 35.95     | 46.00     | -10.05    |
| 9     | 1.077     | 35.95     | 46.00     | -10.05    |
| 10    | 0.595     | 35.94     | 46.00     | -10.06    |
| 11    | 1.879     | 35.93     | 46.00     | -10.07    |
| 12    | 1.419     | 35.88     | 46.00     | -10.12    |
| 13    | 2.840     | 35.84     | 46.00     | -10.16    |
| 14    | 2.066     | 35.84     | 46.00     | -10.16    |
| 15    | 0.881     | 35.84     | 46.00     | -10.16    |
| 16    | 0.771     | 35.84     | 46.00     | -10.16    |
| 17    | 1.680     | 35.81     | 46.00     | -10.19    |
| 18    | 0.505     | 35.75     | 46.00     | -10.25    |
| 19    | 4.071     | 35.74     | 46.00     | -10.26    |
| 20    | 2.568     | 35.74     | 46.00     | -10.26    |
| 21    | 2.168     | 35.74     | 46.00     | -10.26    |
| 22    | 0.826     | 35.74     | 46.00     | -10.26    |
| 23    | 0.792     | 35.74     | 46.00     | -10.26    |
| 24    | 1.283     | 35.67     | 46.00     | -10.33    |
| 25    | 4.361     | 35.64     | 46.00     | -10.36    |
| 26    | 3.075     | 35.64     | 46.00     | -10.36    |
| 27    | 2.397     | 35.64     | 46.00     | -10.36    |
| 28    | 0.783     | 35.64     | 46.00     | -10.36    |
| 29    | 0.561     | 35.54     | 46.00     | -10.46    |
| 30    | 4.902     | 35.54     | 46.00     | -10.46    |
| 31    | 3.141     | 35.54     | 46.00     | -10.46    |
| 32    | 0.872     | 35.54     | 46.00     | -10.46    |
| 33    | 0.497     | 35.55     | 46.05     | -10.50    |
| 34    | 1.456     | 35.48     | 46.00     | -10.52    |
| 35    | 3.945     | 35.44     | 46.00     | -10.56    |
| 36    | 4.624     | 35.44     | 46.00     | -10.56    |
| 37    | 3.683     | 35.44     | 46.00     | -10.56    |
| 38    | 3.644     | 35.44     | 46.00     | -10.56    |
| 39    | 3.438     | 35.44     | 46.00     | -10.56    |
| 40    | 2.310     | 35.44     | 46.00     | -10.56    |
| 41    | 0.963     | 35.44     | 46.00     | -10.56    |
| 42    | 1.620     | 35.40     | 46.00     | -10.60    |
| 43    | 1.544     | 35.39     | 46.00     | -10.61    |
| 44    | 1.480     | 35.39     | 46.00     | -10.61    |
| 45    | 0.510     | 35.35     | 46.00     | -10.65    |
| 46    | 3.761     | 35.34     | 46.00     | -10.66    |
| 47    | 0.672     | 35.34     | 46.00     | -10.66    |
| 48    | 0.934     | 35.34     | 46.00     | -10.66    |
| 49    | 0.904     | 35.34     | 46.00     | -10.66    |
| 50    | 0.895     | 35.34     | 46.00     | -10.66    |

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