



**FCC Part 15, Subpart C, Section 15.247  
Test Report**

**On**

**Outdoor XT2 Blink Camera  
FCC ID: 2AF77-H2081653**

**Customer Name:** Immedia Semiconductor, LLC

**Customer P.O.:** 2D-03171628

**Date of Report:** March 25, 2020

**Test Report No:** R-6502N-3

**Test Start Date:** March 6, 2020

**Test Finish Date:** March 12, 2020

**Test Engineer:** T. Hannemann

**Test Technician:** M. Seamans

**Approved By:** S. Wentworth

**Report Prepared By:** P. Harris

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**40 YEARS OF TESTING EXCELLENCE**

## Technical Information

**Report Number:** R-6502N-3

**Customer:** Immedia Semiconductor, LLC

**Address:** 100 Riverpark Drive  
North Reading, MA 01864

**Manufacturer:** Immedia Semiconductor, LLC

**Manufacturer Address:** 100 Riverpark Drive  
North Reading, MA 01864

**Test Sample:** Outdoor XT2 Blink Camera

**Model Number:** BCM00202U

**Serial Number:** 887-000-575 (Conducted Testing)  
807-000-302 (Radiated Testing)

**FCC ID:** 2AF77-H2081653

**Type:** Digital Transmission - Direct Sequence Spread Spectrum Transmitter

**Power Requirements:** 5 VDC via External 120 VAC power adapter or 3 VDC via internal batteries

**Frequency of Operation:** 2412 MHz to 2462 MHz

**Equipment Class:** DTS

**Antenna Type:** Internal PCB Antenna – 2.0 dBi Gain

**Equipment Use:** Used in a Home Monitoring System

### Test Specification:

FCC Rules and Regulations Part 15, Subpart C, Section 15.247

### Test Procedure:

ANSI C63.4:2014

ANSI C63.10:2013

FCC 558074 D01 15.247 Meas Guidance v05r02, April 2, 2019

### Test Facility:

Retlif Testing Laboratories

101 New Boston Road

Goffstown, NH 03045

FCC Designation Number: US5327



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### Tests Performed

| FCC<br>Part 15, Subpart C | Test Method                                         |
|---------------------------|-----------------------------------------------------|
| 15.247(a)(2)              | Occupied Bandwidth (6dB Bandwidth)                  |
| 15.247(b)(3)              | Power Output                                        |
| 15.247(d)                 | Antenna Port, Conducted Emissions                   |
| 15.247(e)                 | Antenna Port, Power Density                         |
| 15.247(d)                 | Spurious Radiated Emissions, 30 MHz to 25 GHz       |
| 15.207(a)                 | Conducted Emissions, Power Leads, 150 kHz to 30 MHz |

### **EUT Operation:**

The EUT is an outdoor Wi-Fi connected home security camera. The camera has a passive infrared motion sensor that can be used to trigger recording of video clips that are sent by Wi-Fi to internet based servers that relay the clips to the users mobile device. The EUT can also receive commands from the user to start transmissions of video on update status.

Table 1 – Support Equipment

| Description                                     | Manufacturer               | Model Number   | Serial Number  |
|-------------------------------------------------|----------------------------|----------------|----------------|
| <b>Radiated Testing and Conducted Emissions</b> |                            |                |                |
| Bar Code Reader                                 | Symbol                     | DS6706-SR      | 24600001ON     |
| Camera Quiescent Current Tester                 | Immedia Semiconductor, LLC | N/A            | N/A            |
| Long Range USB Adapter                          | ALFA Network               | AwUS036NHA     | 180636A0001785 |
| Blink Sync Module                               | Immedia Semiconductor, LLC | BSM00200V      | 270-090-633    |
| Laptop PC                                       | HP                         | Probook 450 G5 | 5CO8466QTY     |
| <b>Conducted Testing</b>                        |                            |                |                |
| Laptop PC                                       | HP                         | Probook 450 G5 | 5CD8390C8N     |



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## Certification and Signatures

We certify that this report is a true representation of the results obtained from the tests of the equipment stated. We further certify that the measurements shown in this report were made in accordance with the procedures indicated and vouch for the qualifications of all Retlif Testing Laboratories personnel taking them.



Scott Wentworth  
Branch Manager



Todd Hannemann  
EMC Test Engineer  
iNARTE Certified Technician ATL-0255-T

### Non-Warranty Provision

The testing services have been performed, findings obtained and reports prepared in accordance with generally accepted laboratory principles and practices. This warranty is in lieu of all others, either expressed or implied.

### Non-Endorsement

This test report contains only findings and results arrived at after employing the specific test procedures and standards listed herein. It is not intended to constitute a recommendation, endorsement or certification of the product or material tested. This report must not be used by the client to claim product endorsement by ANSI National Accreditation Board (ANAB).



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## Revision History

Revisions to this document are listed below; the latest revised document supersedes all previous issues of this document:

| Revision | Date           | Pages Affected   |
|----------|----------------|------------------|
| -        | March 25, 2020 | Original Release |



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## **Requirements and Test Results**

### **Requirement:**

#### **FCC Section 15.247(a)(2)**

#### **Operation within the bands 902 - 928 MHz, 2400 - 2483.5 MHz and 5725 - 5850 MHz**

Systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz and 5725 - 5850 MHz bands. The minimum 6 dB bandwidths shall be at least 500 kHz.

- **Results:**

The minimum 6 dB bandwidth measured 9,268 kHz which complies with the requirement that the Bandwidth be no less than 500 kHz.

### **Requirement:**

#### **FCC Sections 15.247(b)(3)**

#### **Operation within the bands 902 - 928 MHz, 2400 - 2483.5 MHz and 5725 - 5850 MHz**

The maximum peak conducted output power of the intentional radiator shall not exceed the following:

For systems using digital modulation in the 902 - 928 MHz, 2400 - 2483.5 MHz and 5725 - 5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antenna and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antenna and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

- **Results:**

The maximum measured peak conducted output power was 80.35 mW. The maximum antenna gain of the PCB antenna is 2.0 dBi. The device was found to meet the power output requirements of 15.247 (b)(3) including de facto EIRP.



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## Requirements and Test Results (con't)

### Requirement:

#### FCC Section 15.247(d):

#### Operation within the bands 902 - 928 MHz, 2400 - 2483.5 MHz and 5725 - 5850 MHz

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) must also comply with the radiated emissions limits specified in Section 15.209(a) (see Section 15.205(c)).

- **Results:**

In any 100 kHz bandwidth outside the frequency band in which the Spread spectrum intentional radiator was operating, the radio frequency power that was produced by the intentional radiator was at least 20 dB below that in the 100 kHz bandwidth within the band that contained the highest level of the desired power. All emissions, which fell within the restricted bands specified in 15.205(a), were measured and found to be in compliance with the limits specified in 15.209(a).



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## Requirements and Test Results (con't)

### Requirement:

#### FCC Section 15.247(e):

#### Operation within the bands 902 - 928 MHz, 2400 - 2483.5 MHz and 5725 - 5850 MHz

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

- **Results:**

The power spectral density conducted from the intentional radiator to the antenna was not greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density was determined in accordance with Section 15.247(b)(3), herein.

### Requirement:

#### FCC Section 15.209(a) - Radiated Emission Limits, General Requirements

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in Table 2.

Table 2 - Radiated Emission Limits

| Frequency of Emission<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(meters) |
|--------------------------------|--------------------------------------|----------------------------------|
| 30 to 88                       | 100                                  | 3                                |
| 88 to 216                      | 150                                  | 3                                |
| 216 to 960                     | 200                                  | 3                                |
| Above 960                      | 500                                  | 3                                |

- **Results:**

The field strength of spurious radiated emissions did not exceed the limits specified in Table 2.



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## Requirements and Test Results (con't)

### Requirement:

#### FCC Section 15.207(a) - Conducted Limits

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits shown in Table 3, as measured using a 50  $\mu$ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of the paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Table 3 - Conducted Emission Limits

| Frequency of Emission (MHz) | Conducted Limit (dB $\mu$ V) |           |
|-----------------------------|------------------------------|-----------|
|                             | Quasi-Peak                   | Average   |
| 0.15 to 0.5                 | 66 to 56*                    | 56 to 46* |
| 0.5 to 5                    | 56                           | 46        |
| 5 to 30                     | 60                           | 50        |

\*Decreases due to logarithm of the frequency

- **Results:**

The conducted emissions observed did not exceed the limits specified in Table 3.



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## Requirements and Test Results (con't)

### Field Strength Calculation/Conversion:

The maximized field strength of the emission was obtained as follows:

$$C_R = M_R + C_F$$

Where:

$C_R$  = Corrected Reading in dB $\mu$ V/m

$M_R$  = Uncorrected Meter Reading in dB $\mu$ V

$C_F$  = Correction Factor in dB (Antenna Factor, Pre-amp + Cable Loss)

Example:

$$M_R = 15.35 \text{ dB}\mu\text{V}$$

$$C_F = 16.85 \text{ dB}$$

$$C_R = 15.35 \text{ dB}\mu\text{V} + 16.85 = 32.2 \text{ dB}\mu\text{V/m}$$

dB $\mu$ V/M is converted to uV/M for comparison to the specified limit using the formula:

$$\text{invLog dB}\mu\text{V/M}/20$$

$$32.2 \text{ dB}\mu\text{V/m} = 40.74 \text{ uV/m}$$

### RF Power Conversion:

Power readings in dBm may be converted to mW using the formula:

$$\text{InvLog dBm}/10$$

$$\text{Example: } 20\text{dBm} = 100\text{mW}$$



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## Requirements and Test Results (con't)

### **FCC Section 15.247 (i)**

#### **RF Exposure Limits**

Spread Spectrum Transmitters operating under 15.247 must be operated in a manner that ensures the public is not exposed to RF energy levels in excess of the commission's guidelines. Based on the transmitter power and maximum antenna gain (see calculation below) the minimum separation distance was calculated to determine the distance for acceptable MPE power density levels to meet both the Occupational/Controlled Exposure and the General Population/Uncontrolled Exposure requirements of FCC Part 1.1310. The calculation below uses the more stringent General Population MPE Limits.

$$S = \frac{PG}{4\pi Dsq}$$

D = Minimum Separation Distance in cm

S = Max allowed Power Density in mW/cmsq

Per 1.1310 For the Frequency of 2480 MHz S = 1 mW/cmsq

Power = Max Power Input to Antenna = 80.35mW

Gain = Max Power Gain of Antenna = 2 dBi = 1.58 numeric

$$1 \text{ mW/cmsq} = \frac{80.35 \times 1.58}{4 \times (3.14) \times D^2} = \frac{126.95}{12.56 \times D^2}$$

$$D^2 = \frac{126.95}{12.56 \times 1}$$

$$D = \sqrt{10.11} = 3.18 \text{ cm}$$

The test sample has an internal antenna and the minimum separation distance will always be maintained.



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## Equipment List

### FCC Section 15.247(a)(2) Occupied Bandwidth (6 dB Bandwidth)

| EN   | Manufacturer    | Description   | Range                       | Model No. | Cal Date  | Due Date   |
|------|-----------------|---------------|-----------------------------|-----------|-----------|------------|
| 5070 | ROHDE & SCHWARZ | RECEIVER, EMI | 20 Hz - 40 GHz              | ESIB40    | 1/23/2020 | 1/31/2021  |
| 5250 | DIGI-SENSE      | HYGROMETER    | 0 - 50 deg. c, 10 - 90 % RH | 20250-30  | 10/7/2019 | 10/31/2020 |

### FCC Section 15.247(b)(3) Power Output

| EN   | Manufacturer    | Description   | Range                       | Model No. | Cal Date  | Due Date   |
|------|-----------------|---------------|-----------------------------|-----------|-----------|------------|
| 5070 | ROHDE & SCHWARZ | RECEIVER, EMI | 20 Hz - 40 GHz              | ESIB40    | 1/23/2020 | 1/31/2021  |
| 5250 | DIGI-SENSE      | HYGROMETER    | 0 - 50 deg. c, 10 - 90 % RH | 20250-30  | 10/7/2019 | 10/31/2020 |

### FCC Section 15.247(d) Antenna Port, Conducted Emissions

| EN   | Manufacturer          | Description        | Range                       | Model No.         | Cal Date  | Due Date   |
|------|-----------------------|--------------------|-----------------------------|-------------------|-----------|------------|
| 5229 | FLORIDA RS TECHNOLOGY | CABLE, COAXIAL     | DC - 40 GHz                 | FLRST-2.92 (1026) | 11/1/2019 | 11/30/2020 |
| 5231 | AGILENT / HP          | ANALYZER, SPECTRUM | 3 Hz - 26.5 GHz             | E4440A            | 5/14/2019 | 5/31/2020  |
| 5250 | DIGI-SENSE            | HYGROMETER         | 0 - 50 deg. c, 10 - 90 % RH | 20250-30          | 10/7/2019 | 10/31/2020 |

### FCC Section 15.247(e) Antenna Port, Power Density

| EN   | Manufacturer    | Description   | Range                       | Model No. | Cal Date  | Due Date   |
|------|-----------------|---------------|-----------------------------|-----------|-----------|------------|
| 5070 | ROHDE & SCHWARZ | RECEIVER, EMI | 20 Hz - 40 GHz              | ESIB40    | 1/23/2020 | 1/31/2021  |
| 5250 | DIGI-SENSE      | HYGROMETER    | 0 - 50 deg. c, 10 - 90 % RH | 20250-30  | 10/7/2019 | 10/31/2020 |



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**FCC Section 15.247(d)  
Spurious Radiated Emissions, 30 MHz to 25 GHz**

| EN    | Manufacturer             | Description                         | Range                     | Model No.                | Cal Date                | Due Date   |
|-------|--------------------------|-------------------------------------|---------------------------|--------------------------|-------------------------|------------|
| 1232  | AGILENT / HP             | PRE-AMPLIFIER                       | 1 - 26.5 GHz              | 8449B                    | 5/24/2019               | 5/31/2020  |
| 3258  | ETS / EMCO               | ANTENNA, DOUBLE<br>RIDGED GUIDE     | 1 - 18 GHz                | 3115                     | 12/2/2019               | 6/30/2021  |
| 3427B | ETS / EMCO               | ANTENNA, BICONICAL                  | 20 - 200 MHz              | 3104                     | 4/25/2019               | 10/31/2020 |
| 3430  | MCS                      | ANTENNA, HORN                       | 18 - 26.5 GHz             | K-5039                   | No Calibration Required |            |
| 4029B | RETLIF                   | OPEN AREA TEST SITE,<br>ATTENUATION | 3 / 10 Meters             | RNH                      | 9/30/2019               | 9/30/2021  |
| 443   | ELECTRO-METRICS          | ANTENNA, LOG PERIODIC               | 200 MHz - 1000 MHz        | LPA-25                   | 12/13/2019              | 6/29/2021  |
| 5070  | ROHDE &<br>SCHWARZ       | RECEIVER, EMI                       | 20 Hz - 40 GHz            | ESIB40                   | 1/23/2020               | 1/31/2021  |
| 5134  | NARDA MICROWAVE          | ATTENUATOR, COAXIAL                 | 10 dB, DC - 12.4 GHz, 2 W | 757C-10                  | 12/13/2019              | 12/31/2020 |
| 5179C | MICRO-COAX               | CABLE, COAXIAL                      | 10 kHz - 18 GHz           | UFB311A-1-<br>072050U50U | 11/6/2019               | 11/30/2020 |
| 5188  | Cybertron                | COMPUTER, CONTROL                   | N/A                       | TSVQJA2221               | No Calibration Required |            |
| 5229  | FLORIDA RS<br>TECHNOLOGY | CABLE, COAXIAL                      | DC - 40 GHz               | FLRST-2.92 (1026)        | 11/1/2019               | 11/30/2020 |
| 5242  | TELEDYNE<br>MICROWAVE    | CABLE, COAXIAL                      | 10 kHz - 6 GHz            | PR90-195-1275,<br>106'   | 9/12/2019               | 9/30/2020  |

**FCC Section 15.207(b)  
Conducted Emissions, Power Leads, 150 kHz to 30 MHz**

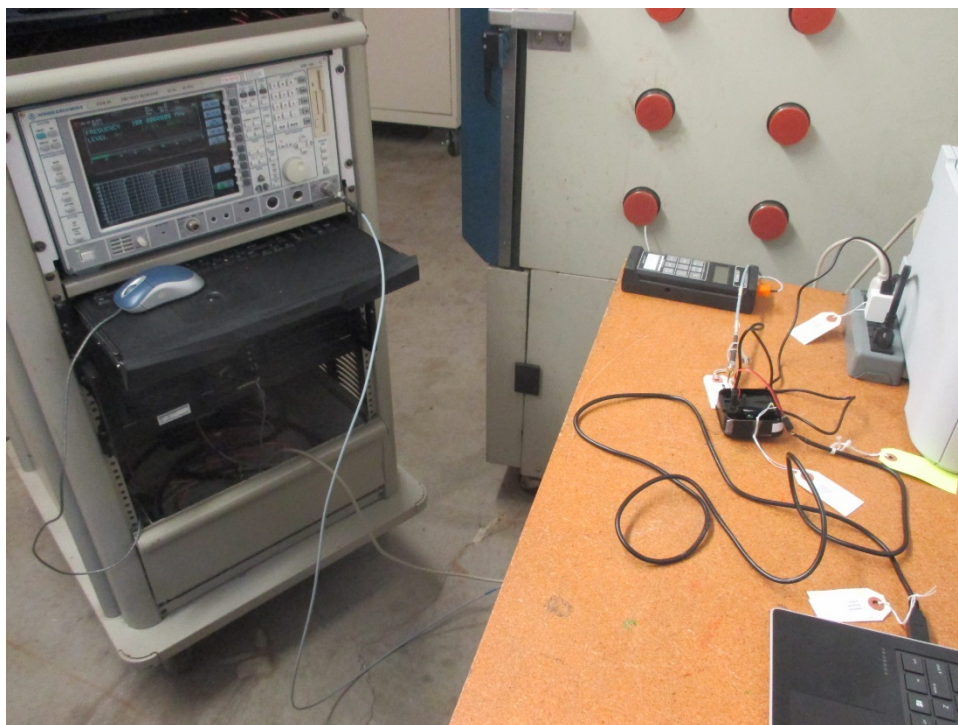
| EN   | Manufacturer         | Description         | Range                       | Model No.          | Cal Date                | Due Date   |
|------|----------------------|---------------------|-----------------------------|--------------------|-------------------------|------------|
| 5070 | ROHDE &<br>SCHWARZ   | RECEIVER, EMI       | 20 Hz - 40 GHz              | ESIB40             | 1/23/2020               | 1/31/2021  |
| 5134 | NARDA MICROWAVE      | ATTENUATOR, COAXIAL | 10 dB, DC - 12.4 GHz, 2 W   | 757C-10            | 12/13/2019              | 12/31/2020 |
| 5188 | Cybertron            | COMPUTER, CONTROL   | N/A                         | TSVQJA2221         | No Calibration Required |            |
| 5209 | SOLAR<br>ELECTRONICS | LISN                | 50 uH, 150 kHz - 30 MHz     | 21106-50-BP-25-BNC | 5/16/2019               | 5/31/2020  |
| 5210 | SOLAR<br>ELECTRONICS | LISN                | 50 uH, 150 kHz - 30 MHz     | 21106-50-BP-25-BNC | 5/16/2019               | 5/31/2020  |
| 5218 | COM-POWER            | GENERATOR, COMB     | 100 kHz - 400 MHz           | CGC-510E           | 8/20/2019               | 8/31/2020  |
| 5250 | DIGI-SENSE           | HYGROMETER          | 0 - 50 deg. c, 10 - 90 % RH | 20250-30           | 10/7/2019               | 10/31/2020 |



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**Test Photographs**  
**Occupied Bandwidth (6dB Bandwidth)**



**EUT Configuration**



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**FCC Part 15, Subpart C, Section 15.247(a)(2)**  
**Occupied Bandwidth (6 dB Bandwidth)**  
**Test Data**

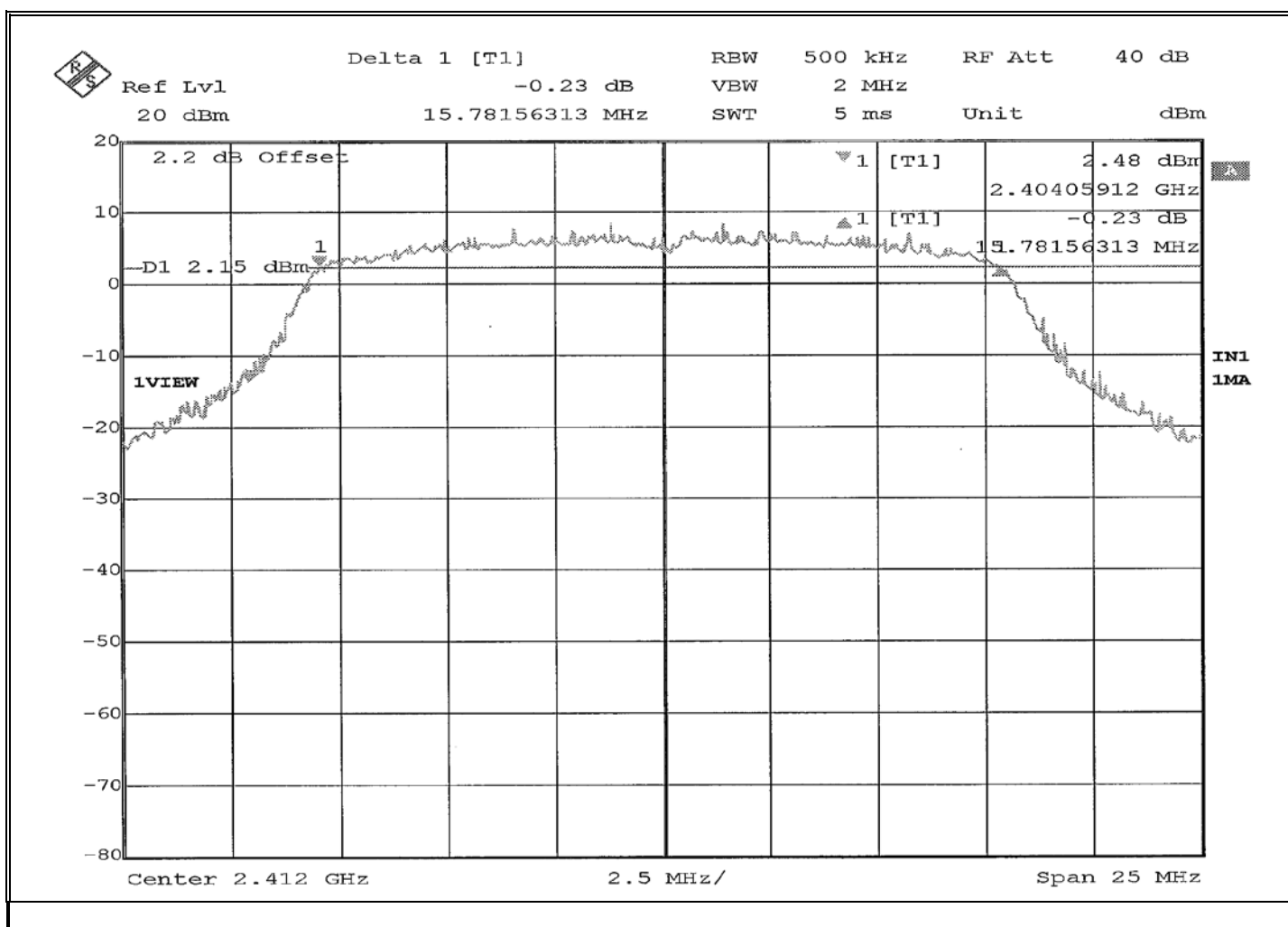


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## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Occupied Bandwidth</b>                        |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)  |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 6 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 21.2 °C / 24.0 %                                 |
| <b>Notes:</b>                   | 6dB Bandwidth: 15.781 MHz                        |

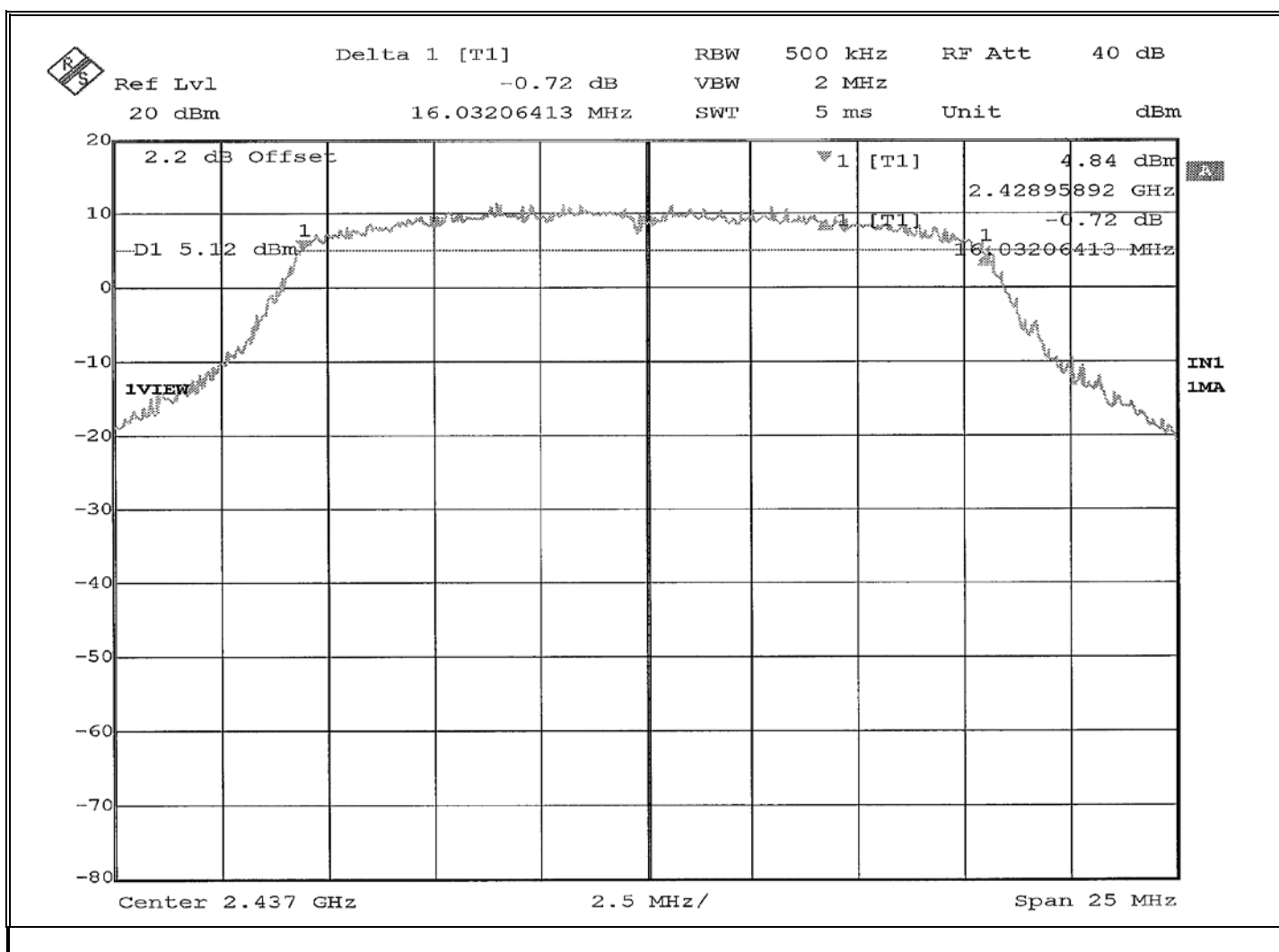


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## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Occupied Bandwidth</b>                        |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)  |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 6 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 21.2 °C / 24.0 %                                 |
| <b>Notes:</b>                   | 6dB Bandwidth: 16.032 MHz                        |

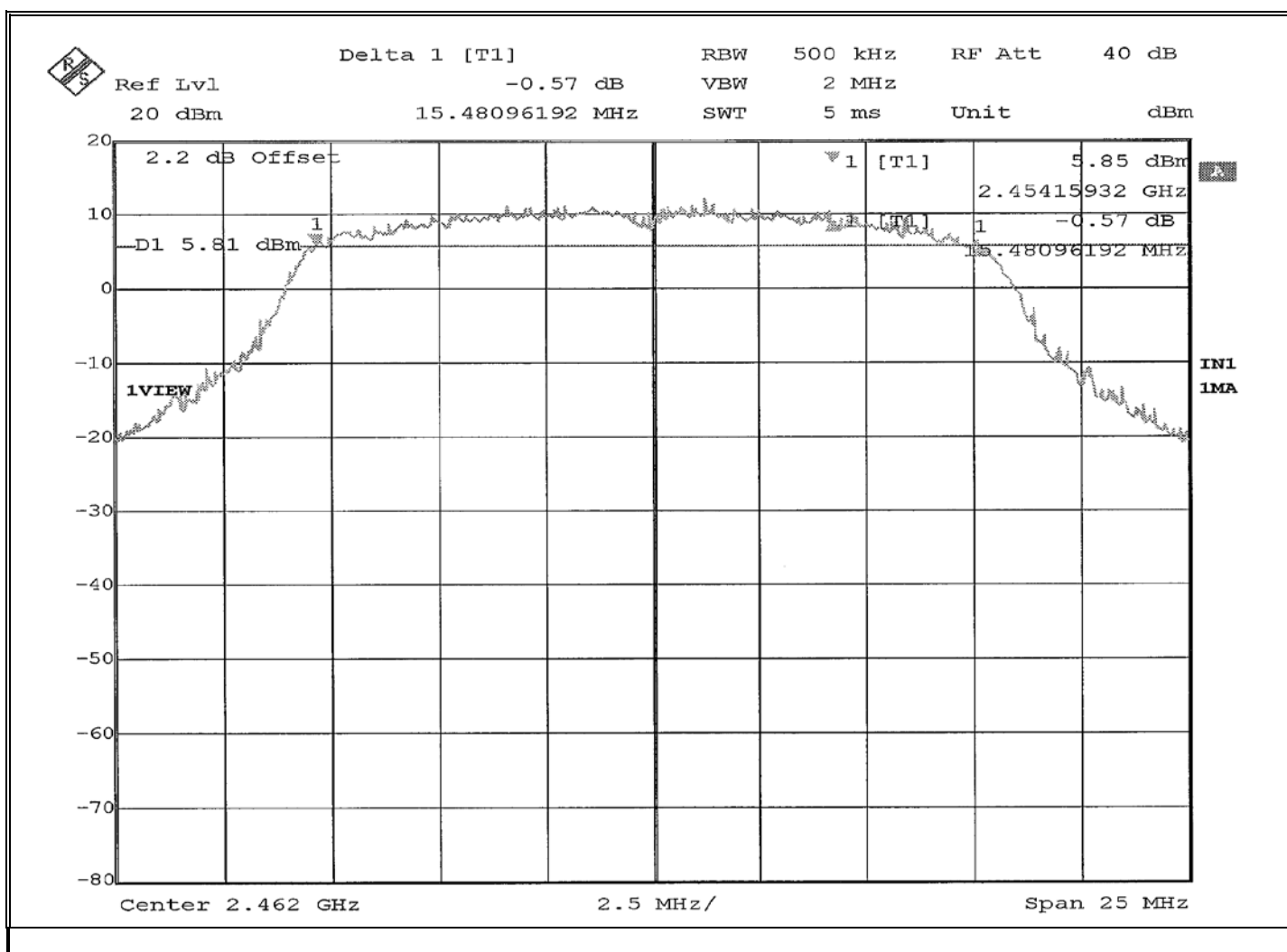


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## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Occupied Bandwidth</b>                        |
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| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 6 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 21.2 °C / 24.0 %                                 |
| <b>Notes:</b>                   | 6dB Bandwidth: 15.480 MHz                        |

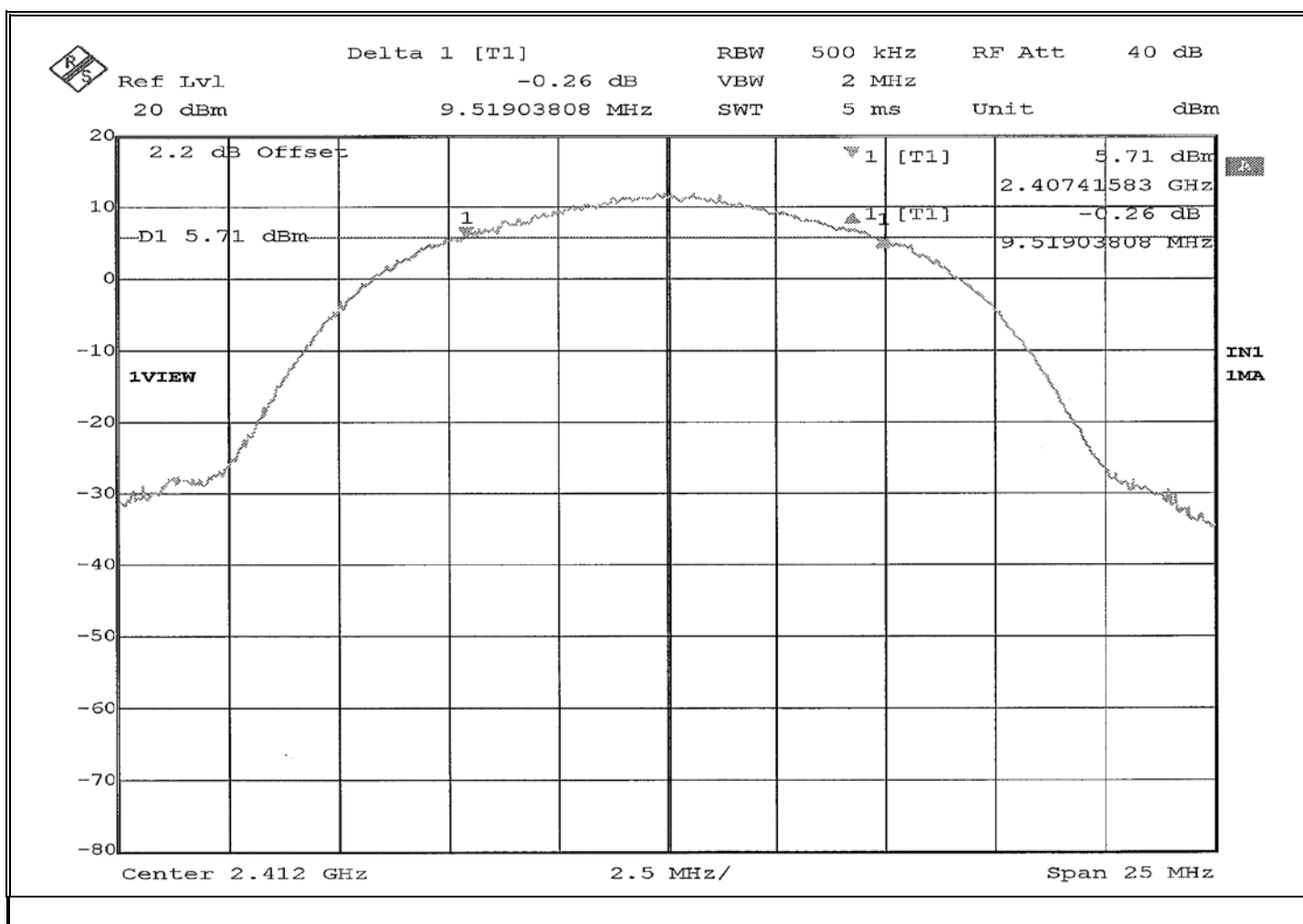


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## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Occupied Bandwidth</b>                        |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)  |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 6 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 21.2 °C / 24.0 %                                 |
| <b>Notes:</b>                   | 6dB Bandwidth: 9.519 MHz                         |

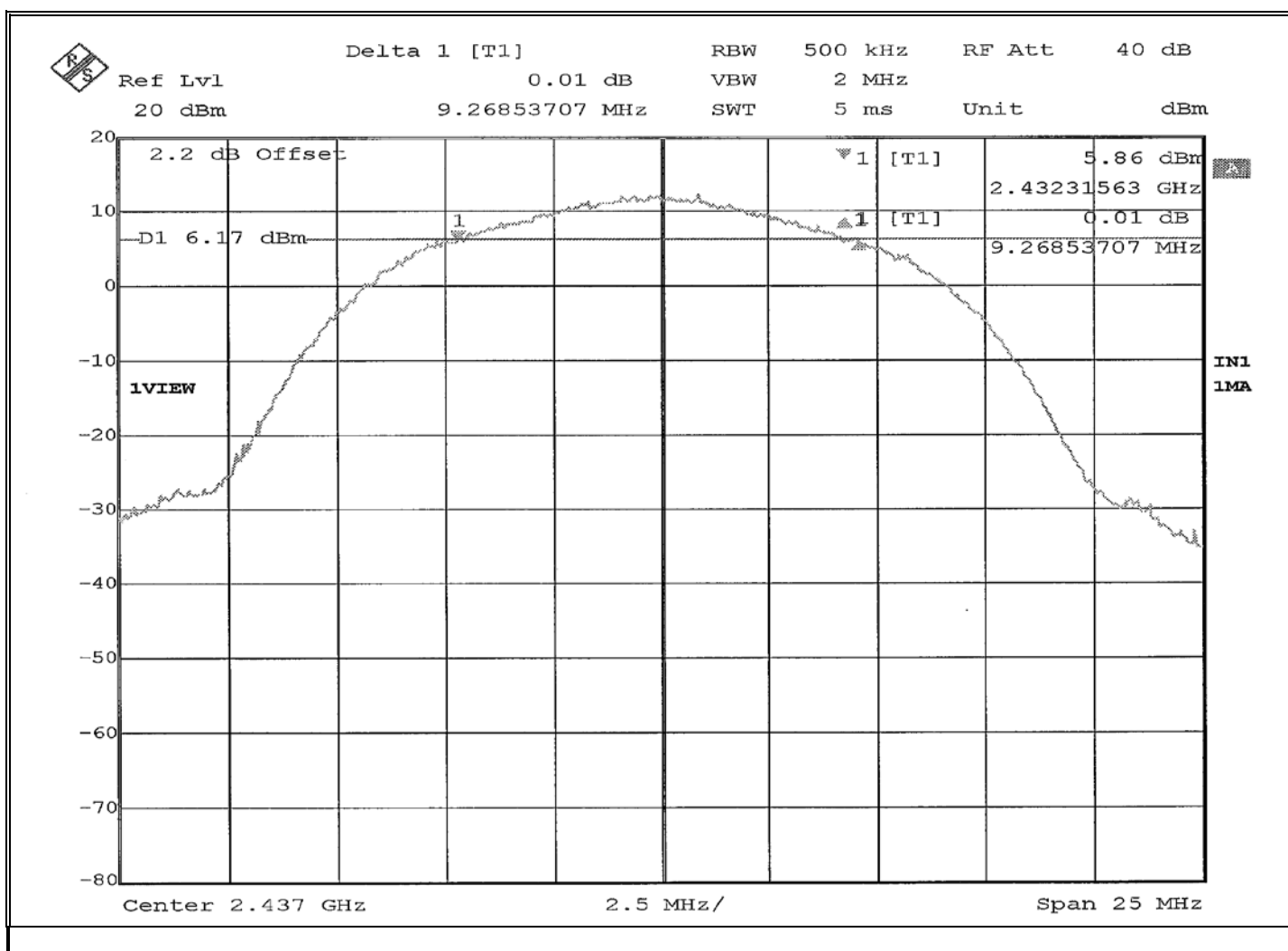


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## EMISSIONS TEST DATA SHEET

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| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
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| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 6 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 21.2 °C / 24.0 %                                 |
| <b>Notes:</b>                   | 6dB Bandwidth: 9.268 MHz                         |

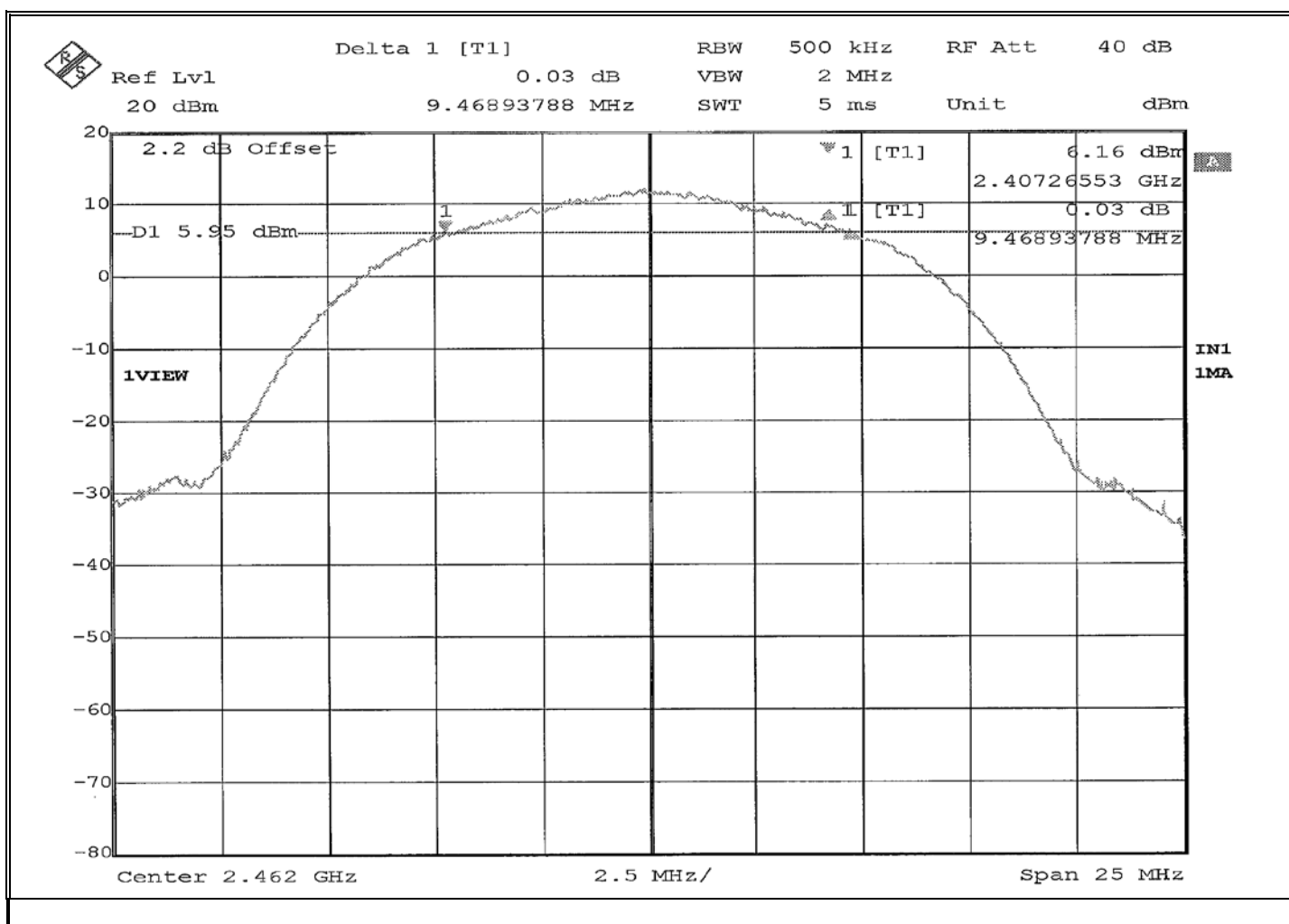


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Occupied Bandwidth</b>                        |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)  |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 6 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 21.2 °C / 24.0 %                                 |
| <b>Notes:</b>                   | 6dB Bandwidth: 9.468 MHz                         |

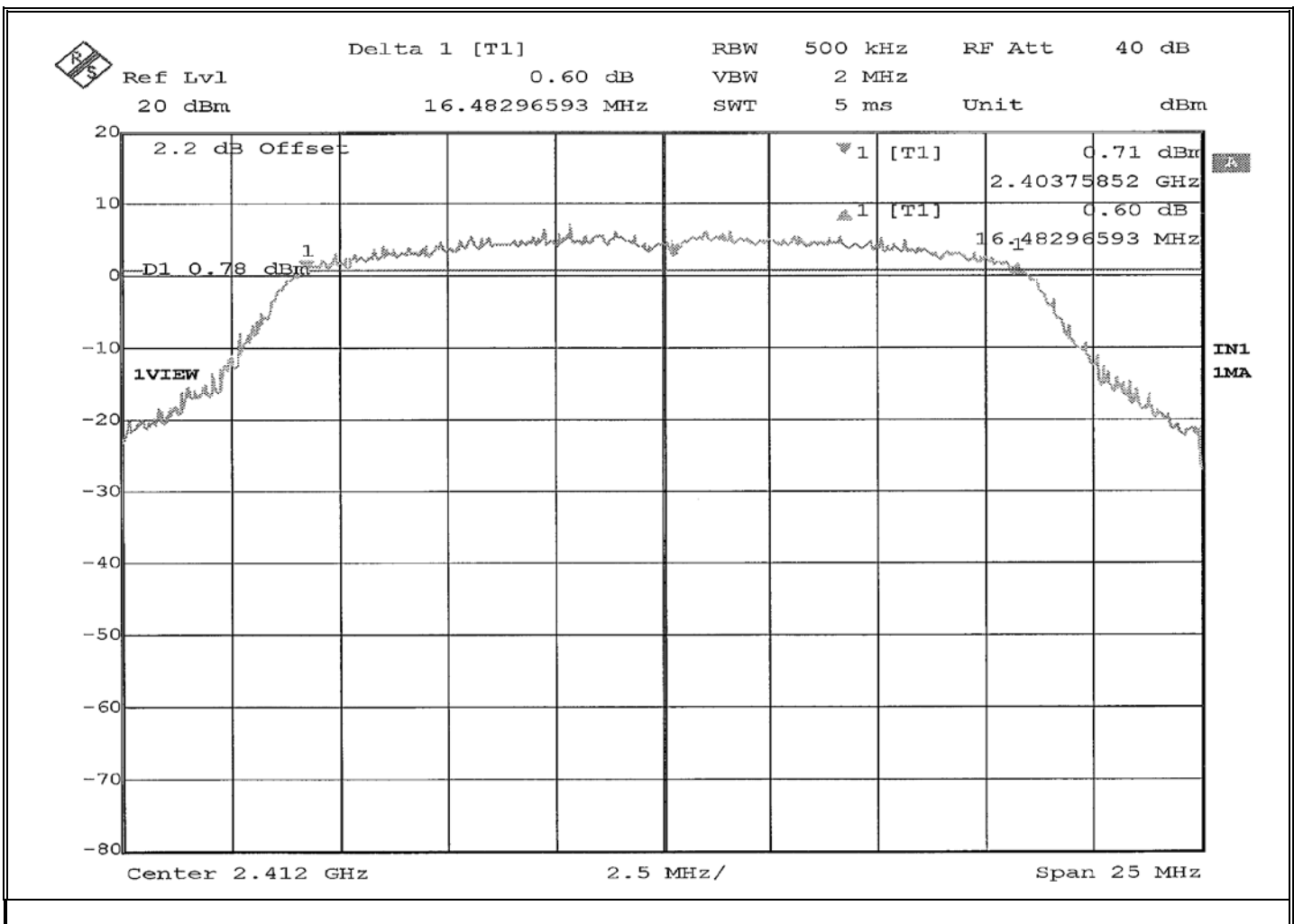


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Occupied Bandwidth</b>                         |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)   |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 6 <sup>th</sup> , 2020                      |
| <b>Temp/ Relative Humidity:</b> | 21.2 °C / 24.0 %                                  |
| <b>Notes:</b>                   | 6dB Bandwidth: 16.482 MHz                         |

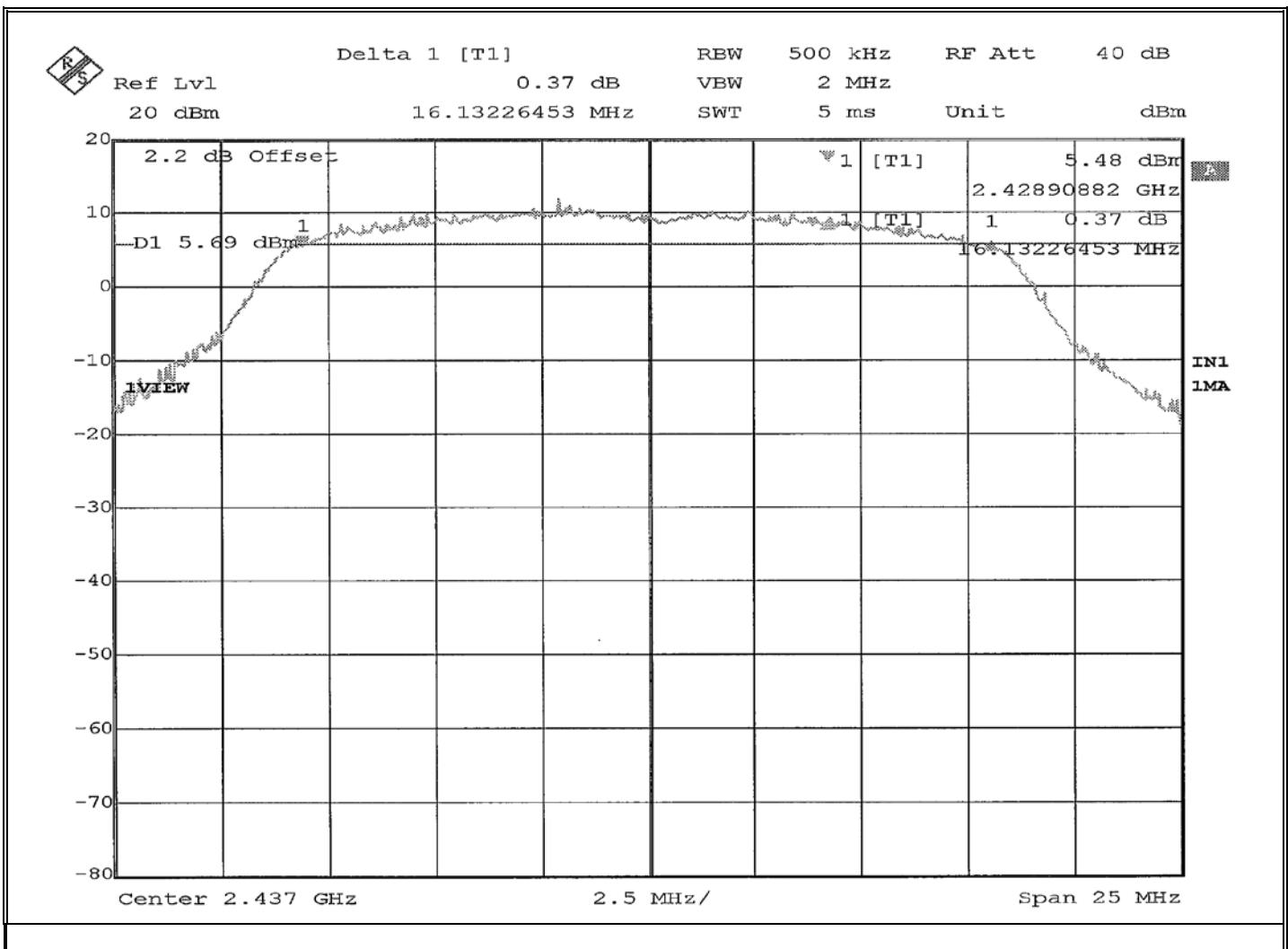


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Occupied Bandwidth</b>                         |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)   |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 6 <sup>th</sup> , 2020                      |
| <b>Temp/ Relative Humidity:</b> | 21.2 °C / 24.0 %                                  |
| <b>Notes:</b>                   | 6dB Bandwidth: 16.132 MHz                         |

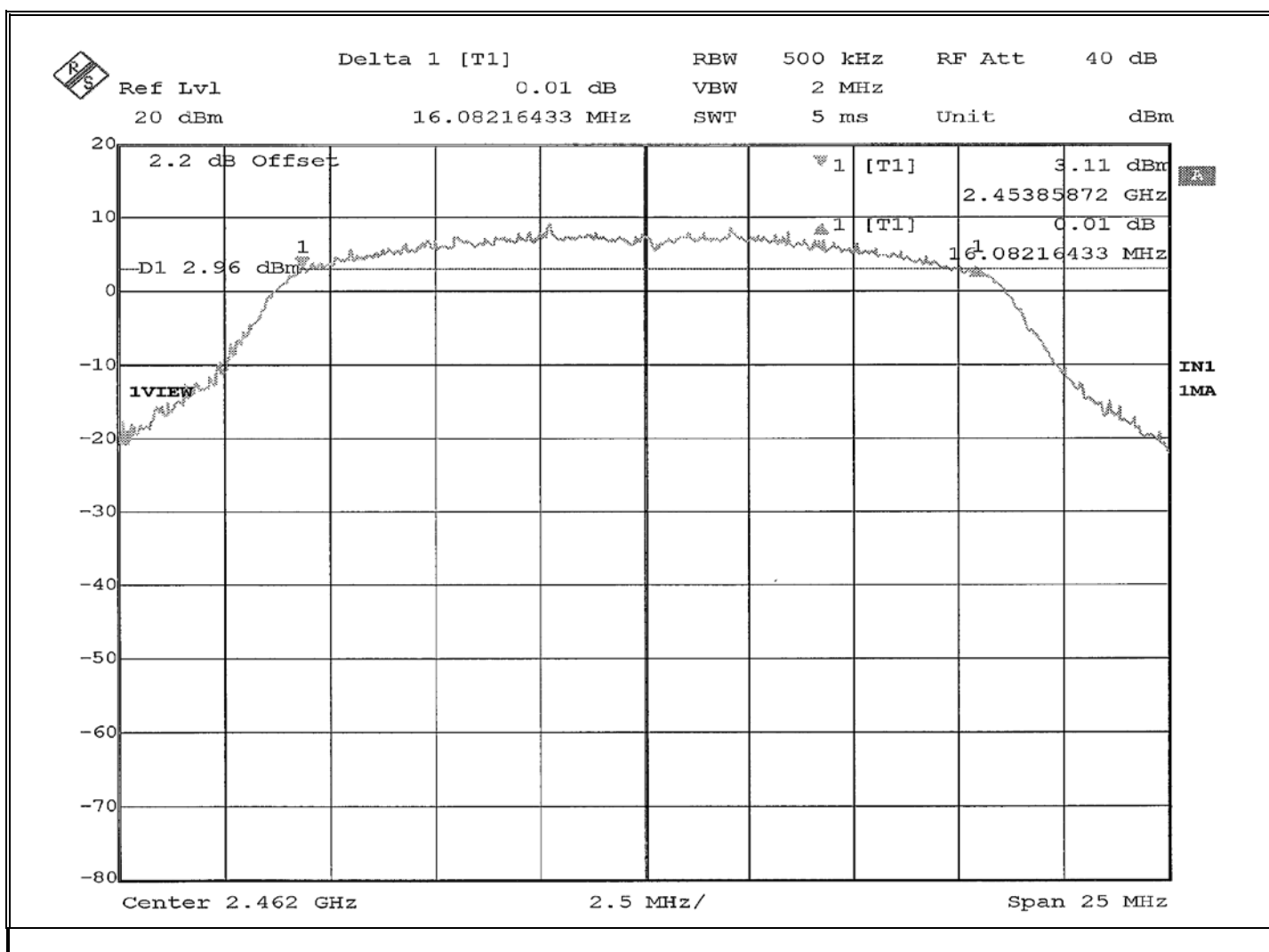


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

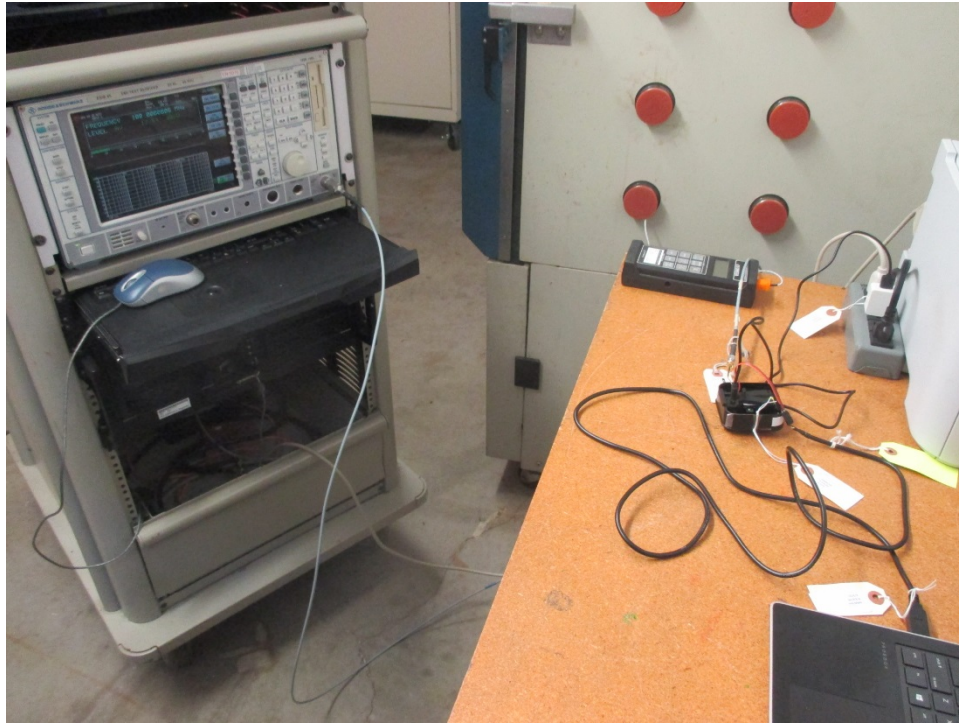
|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Occupied Bandwidth</b>                         |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)   |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 6 <sup>th</sup> , 2020                      |
| <b>Temp/ Relative Humidity:</b> | 21.2 °C / 24.0 %                                  |
| <b>Notes:</b>                   | 6dB Bandwidth: 16.082 MHz                         |



**Retlif Testing Laboratories**

Report No. R-6502N-3

**Test Photographs**  
**Conducted Emissions, Power Output**



**EUT Configuration**



**Retlif Testing Laboratories**

Report No. R-6502N-3

**FCC Part 15, Subpart C, Section 15.247(b)(3)  
Conducted Emissions, Power Output  
Test Data**



**Retlif Testing Laboratories**

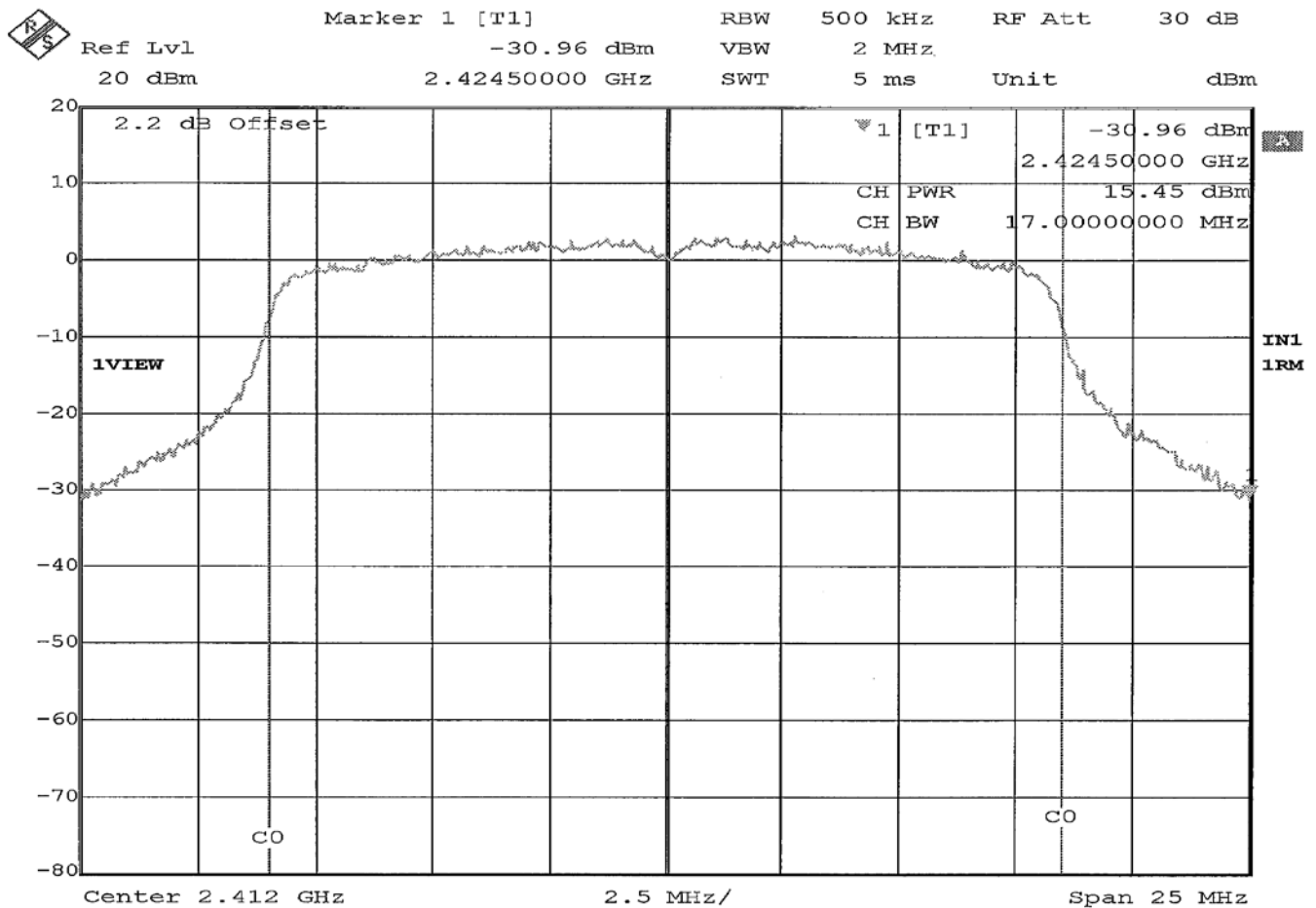
Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| <b>Test Method</b>        | <b>Peak Power Output</b>                         |
| <b>Customer</b>           | Immedia Semiconductor, LLC.                      |
| <b>Job Number</b>         | R-6502N-3                                        |
| <b>Test Sample</b>        | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number</b>       | BCM00202U                                        |
| <b>Serial Number</b>      | 887-000-575                                      |
| <b>Test Specification</b> | FCC Part 15, Subpart C Paragraph 15.247 (b)(3)   |
| <b>Operating Mode</b>     | Transmitting modulated signal (OFDM) at 2412 MHz |
| <b>Technician</b>         | M. Seamans                                       |
| <b>Date</b>               | March 9 <sup>th</sup> , 2020                     |

**Notes:** Measurement method: AVGSA-3



Power Output: 15.45 dBm



## Retlif Testing Laboratories

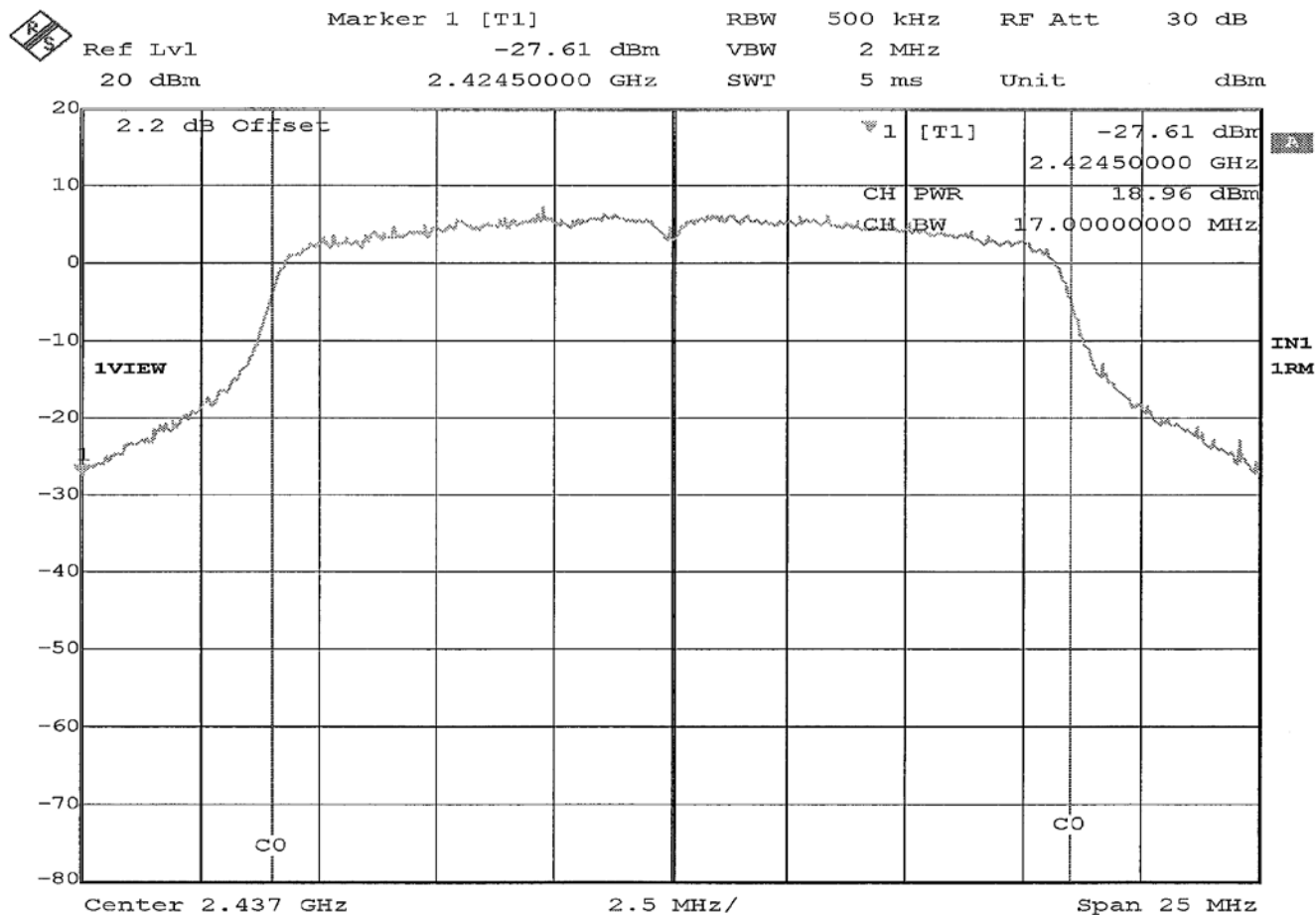
Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Test Method        | Peak Power Output                                |
| Customer           | Immedia Semiconductor, LLC.                      |
| Job Number         | R-6502N-3                                        |
| Test Sample        | Outdoor XT2 Blink Camera Module                  |
| Model Number       | BCM00202U                                        |
| Serial Number      | 887-000-575                                      |
| Test Specification | FCC Part 15, Subpart C Paragraph 15.247 (b)(3)   |
| Operating Mode     | Transmitting modulated signal (OFDM) at 2437 MHz |
| Technician         | M. Seamans                                       |
| Date               | March 9 <sup>th</sup> , 2020                     |

**Notes:** Measurement method: AVGSA-3



Power Output: 18.96 dBm



**Retlif Testing Laboratories**

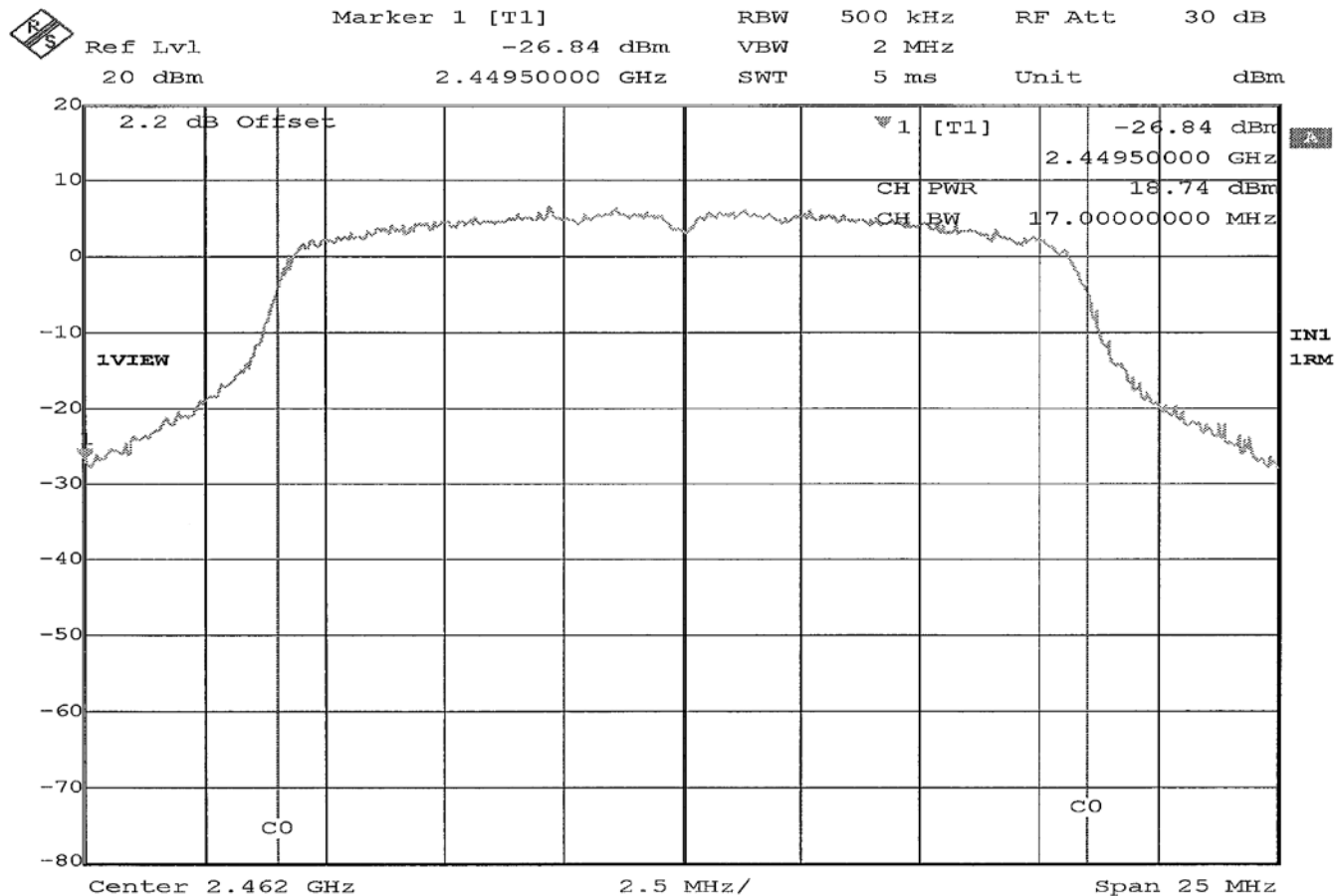
Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Test Method        | Peak Power Output                                |
| Customer           | Immedia Semiconductor, LLC.                      |
| Job Number         | R-6502N-3                                        |
| Test Sample        | Outdoor XT2 Blink Camera Module                  |
| Model Number       | BCM00202U                                        |
| Serial Number      | 887-000-575                                      |
| Test Specification | FCC Part 15, Subpart C Paragraph 15.247 (b)(3)   |
| Operating Mode     | Transmitting modulated signal (OFDM) at 2462 MHz |
| Technician         | M. Seamans                                       |
| Date               | March 9 <sup>th</sup> , 2020                     |

**Notes:** Measurement method: AVGSA-3



Power Output: 18.74 dBm



**Retlif Testing Laboratories**

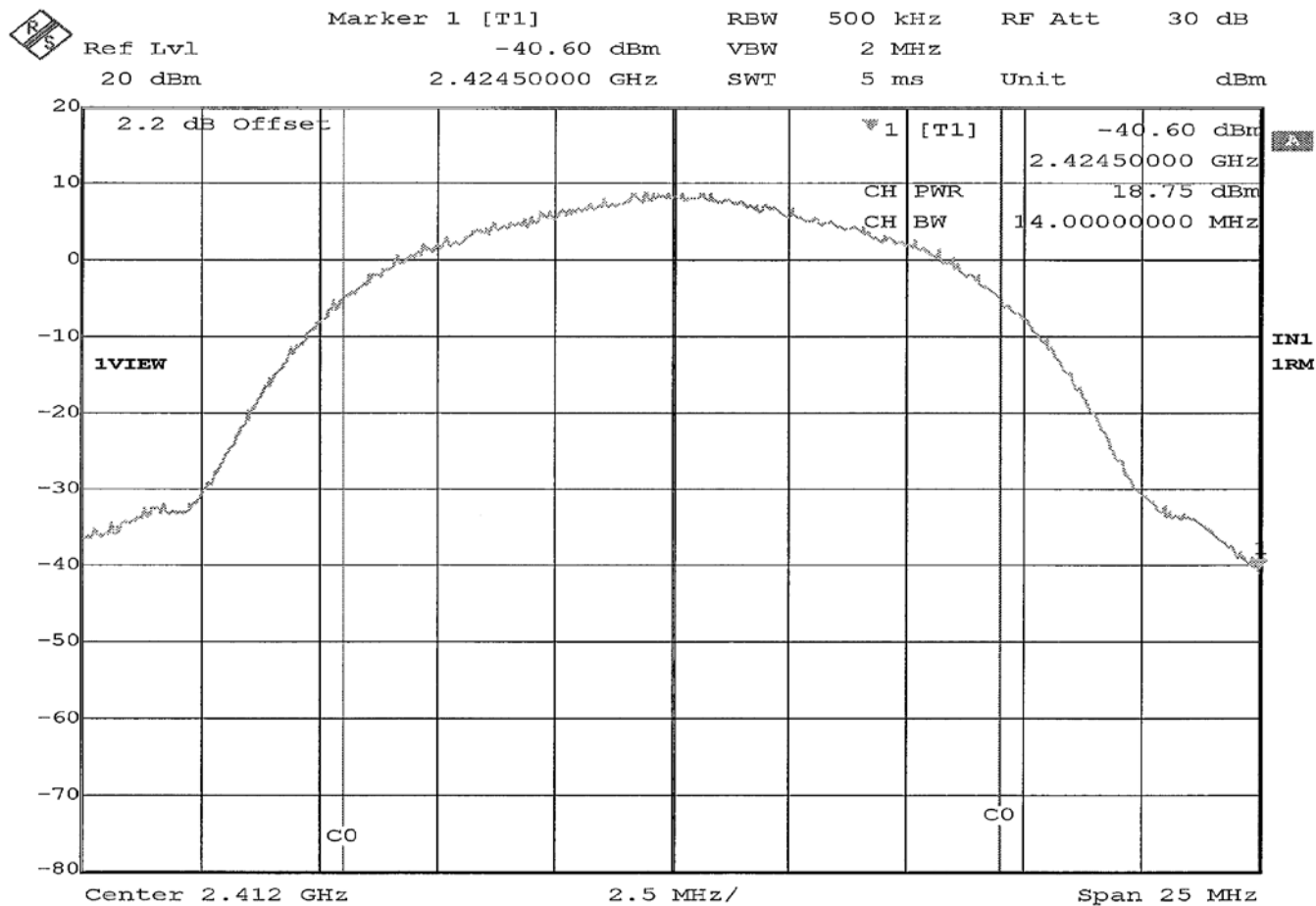
Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Test Method        | Peak Power Output                                |
| Customer           | Immedia Semiconductor, LLC.                      |
| Job Number         | R-6502N-3                                        |
| Test Sample        | Outdoor XT2 Blink Camera Module                  |
| Model Number       | BCM00202U                                        |
| Serial Number      | 887-000-575                                      |
| Test Specification | FCC Part 15, Subpart C Paragraph 15.247 (b)(3)   |
| Operating Mode     | Transmitting modulated signal (DSSS) at 2412 MHz |
| Technician         | M. Seamans                                       |
| Date               | March 9 <sup>th</sup> , 2020                     |

**Notes:** Measurement method: AVGSA-3



Power Output: 18.75 dBm



**Retlif Testing Laboratories**

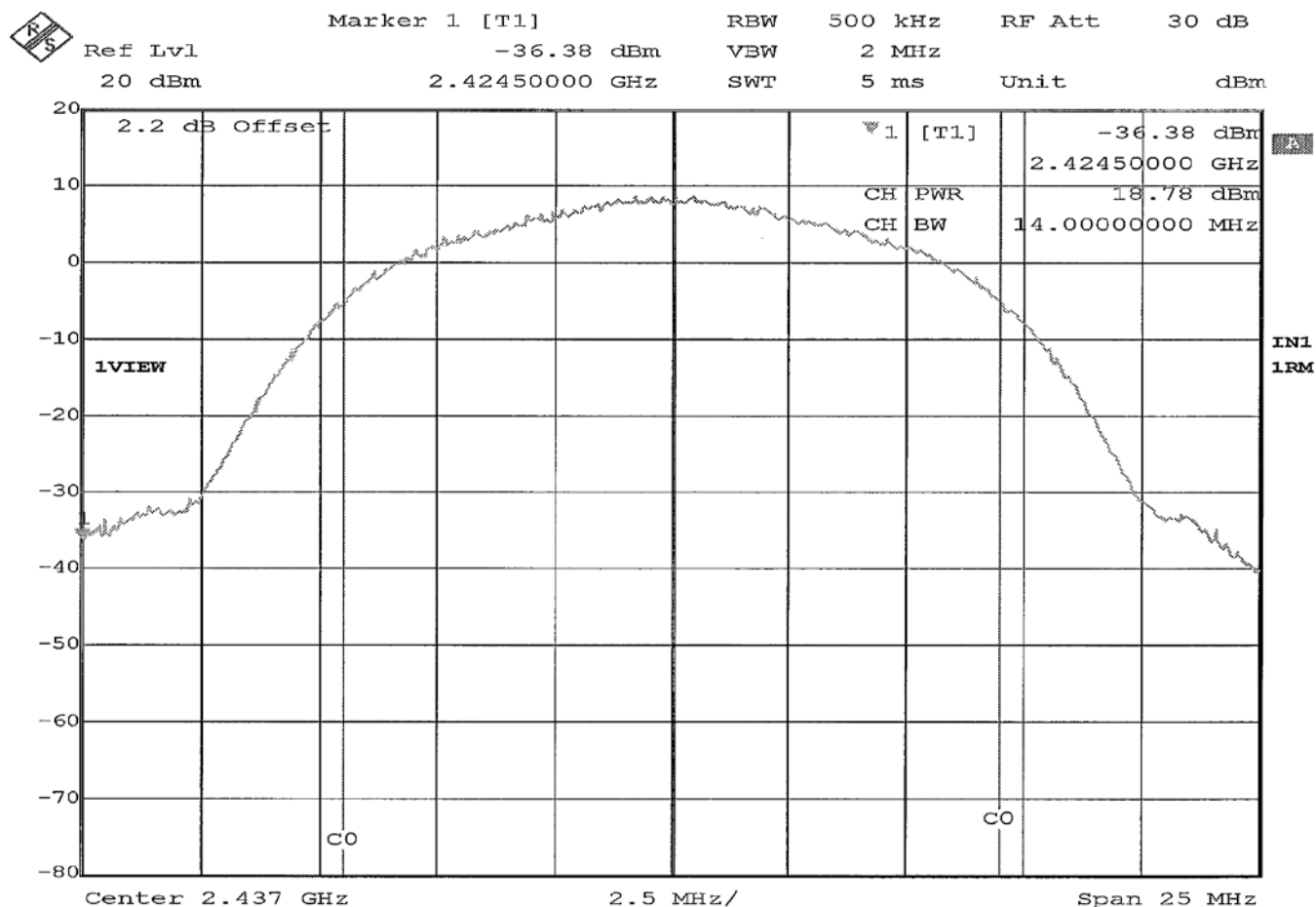
Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Test Method        | Peak Power Output                                |
| Customer           | Immedia Semiconductor, LLC.                      |
| Job Number         | R-6502N-3                                        |
| Test Sample        | Outdoor XT2 Blink Camera Module                  |
| Model Number       | BCM00202U                                        |
| Serial Number      | 887-000-575                                      |
| Test Specification | FCC Part 15, Subpart C Paragraph 15.247 (b)(3)   |
| Operating Mode     | Transmitting modulated signal (DSSS) at 2437 MHz |
| Technician         | M. Seamans                                       |
| Date               | March 9 <sup>th</sup> , 2020                     |

**Notes:** Measurement method: AVGSA-3



**Retlif Testing Laboratories**

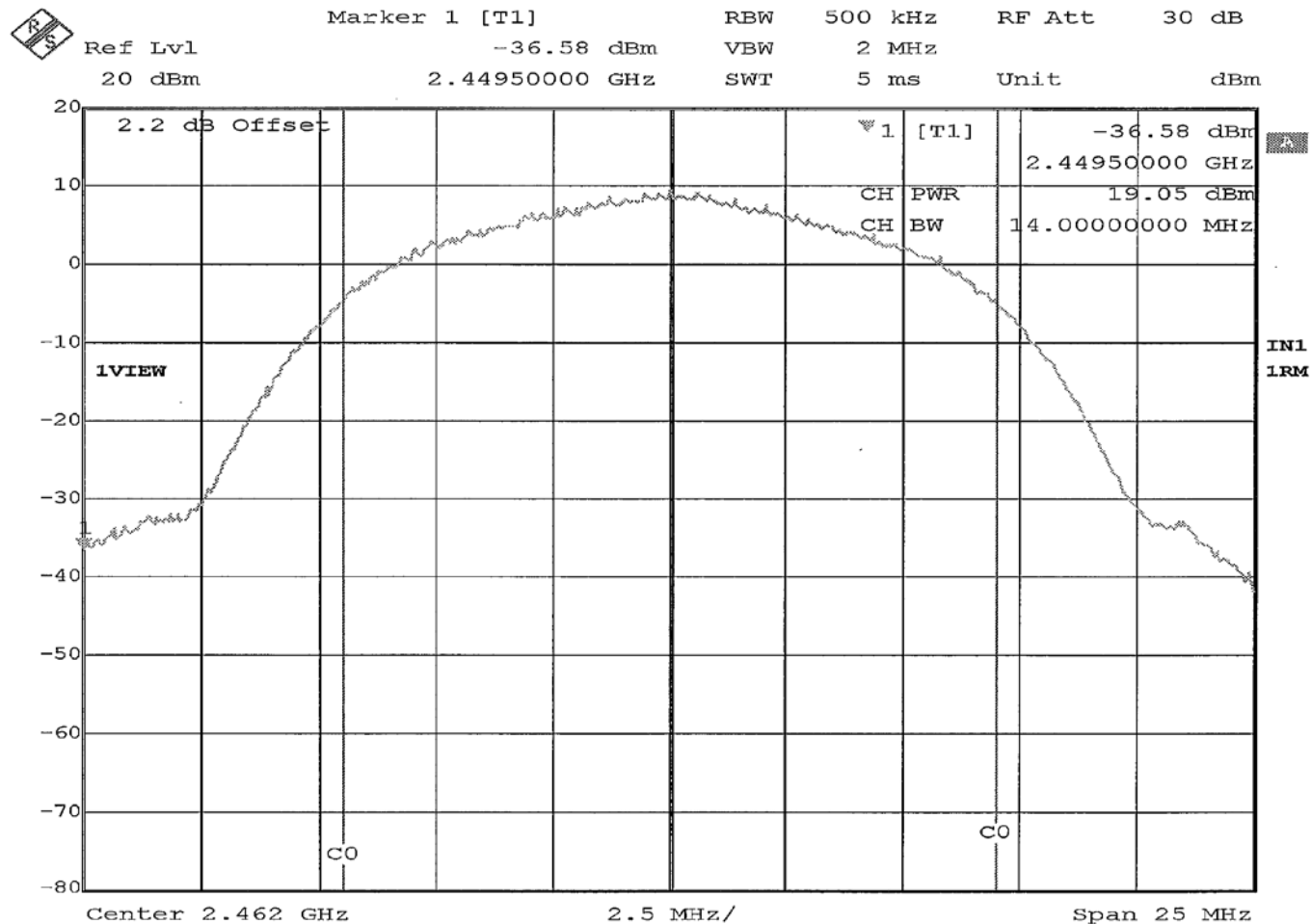
Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Test Method        | Peak Power Output                                |
| Customer           | Immedia Semiconductor, LLC.                      |
| Job Number         | R-6502N-3                                        |
| Test Sample        | Outdoor XT2 Blink Camera Module                  |
| Model Number       | BCM00202U                                        |
| Serial Number      | 887-000-575                                      |
| Test Specification | FCC Part 15, Subpart C Paragraph 15.247 (b)(3)   |
| Operating Mode     | Transmitting modulated signal (DSSS) at 2462 MHz |
| Technician         | M. Seamans                                       |
| Date               | March 9 <sup>th</sup> , 2020                     |

**Notes:** Measurement method: AVGSA-3



Power Output: 19.05 dBm



**Retlif Testing Laboratories**

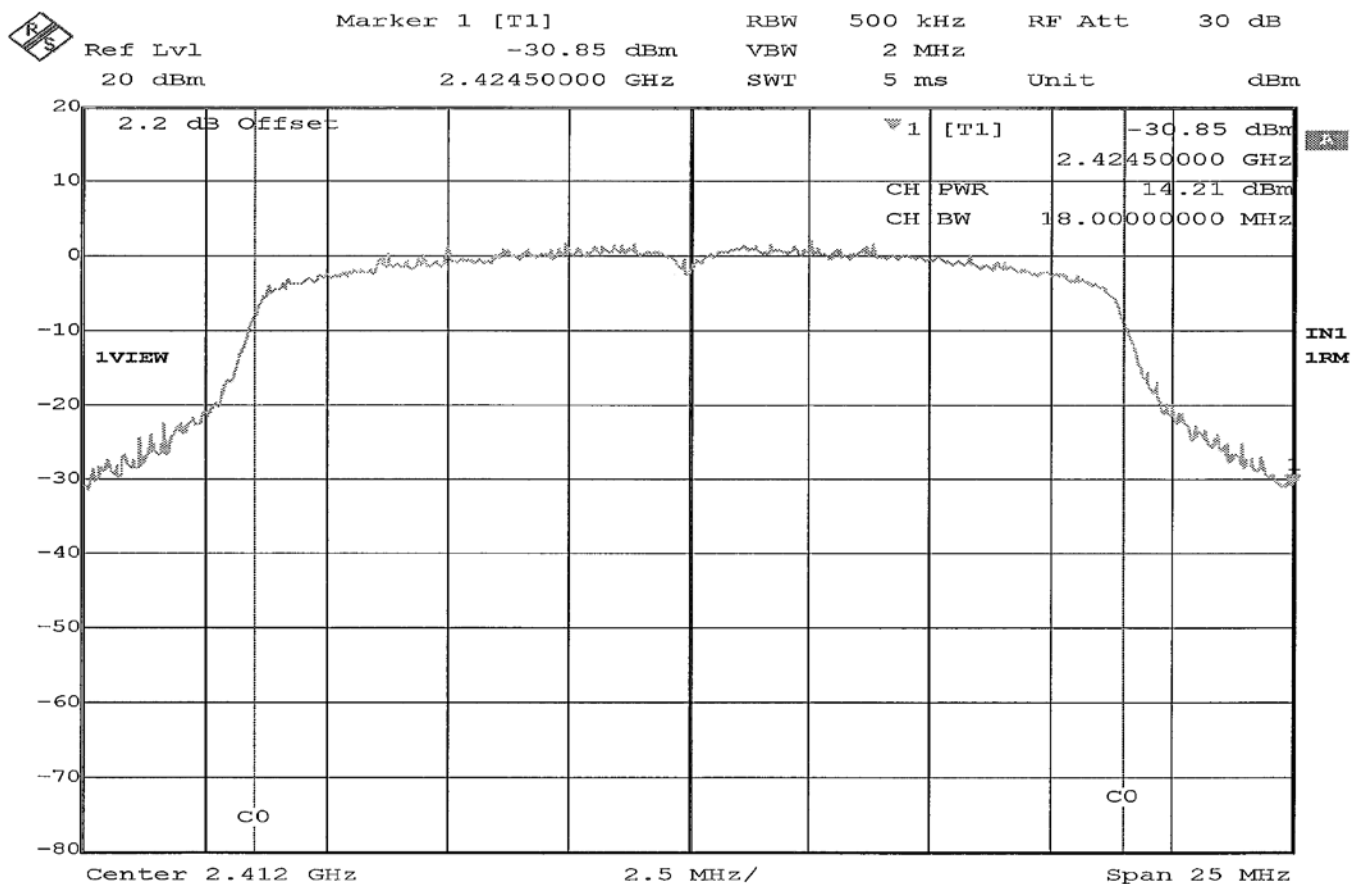
Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                    |                                                   |
|--------------------|---------------------------------------------------|
| Test Method        | Peak Power Output                                 |
| Customer           | Immedia Semiconductor, LLC.                       |
| Job Number         | R-6502N-3                                         |
| Test Sample        | Outdoor XT2 Blink Camera Module                   |
| Model Number       | BCM00202U                                         |
| Serial Number      | 887-000-575                                       |
| Test Specification | FCC Part 15, Subpart C Paragraph 15.247 (b)(3)    |
| Operating Mode     | Transmitting modulated signal (Non11) at 2412 MHz |
| Technician         | M. Seamans                                        |
| Date               | March 9 <sup>th</sup> , 2020                      |

Notes: Measurement method: AVGSA-3



Power Output: 14.21 dBm

# RETLIF TESTING LABORATORIES



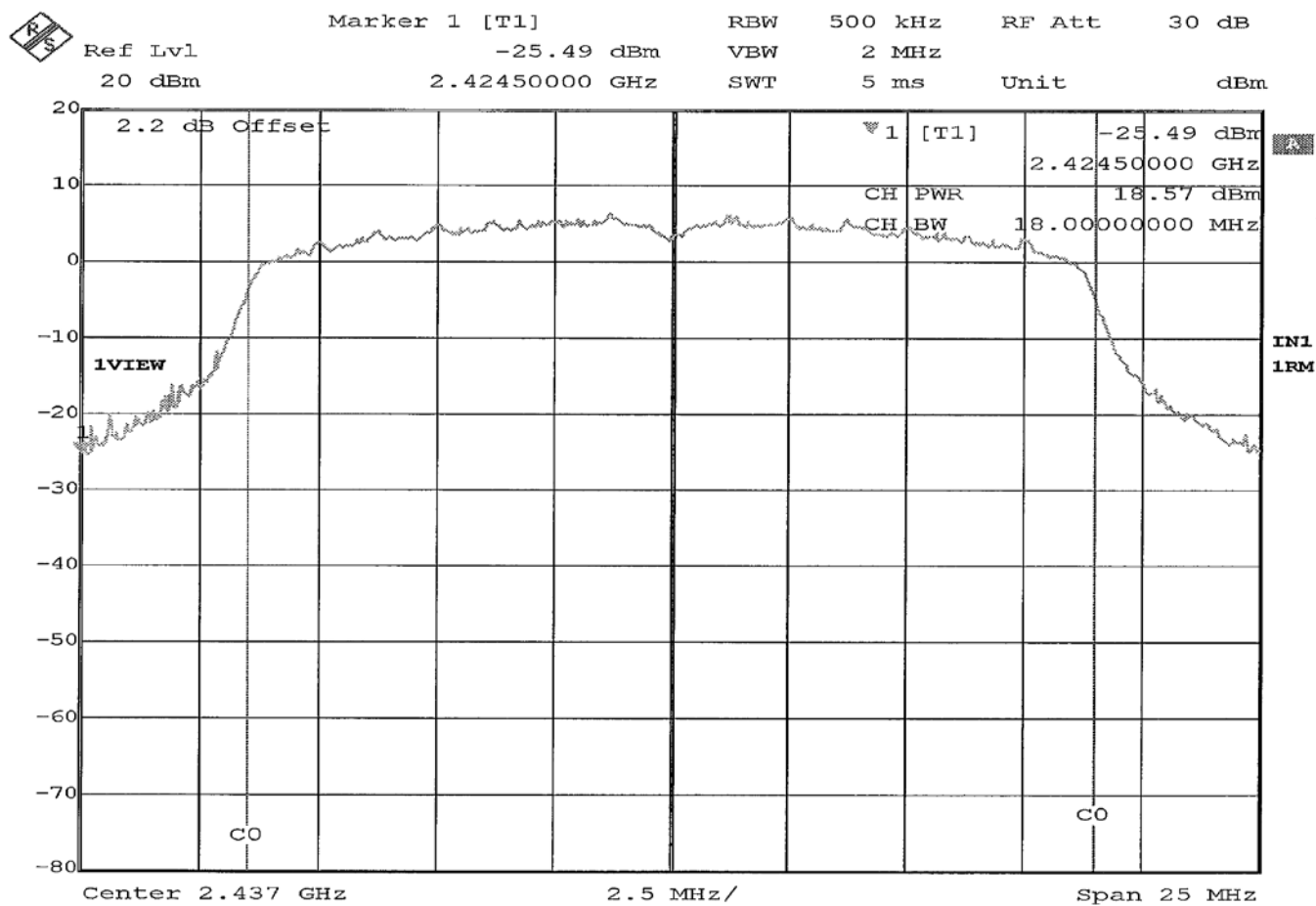
Retlif Testing Laboratories

Report No. R-6502N-3

# EMISSIONS TEST DATA SHEET

|                    |                                                   |
|--------------------|---------------------------------------------------|
| Test Method        | Peak Power Output                                 |
| Customer           | Immedia Semiconductor, LLC.                       |
| Job Number         | R-6502N-3                                         |
| Test Sample        | Outdoor XT2 Blink Camera Module                   |
| Model Number       | BCM00202U                                         |
| Serial Number      | 887-000-575                                       |
| Test Specification | FCC Part 15, Subpart C Paragraph 15.247 (b)(3)    |
| Operating Mode     | Transmitting modulated signal (Non11) at 2437 MHz |
| Technician         | M. Seamans                                        |
| Date               | March 9 <sup>th</sup> , 2020                      |

Notes: Measurement method: AVGSA-3



Power Output: 18.57 dBm

## RETLIF TESTING LABORATORIES

### EMISSIONS TEST DATA SHEET

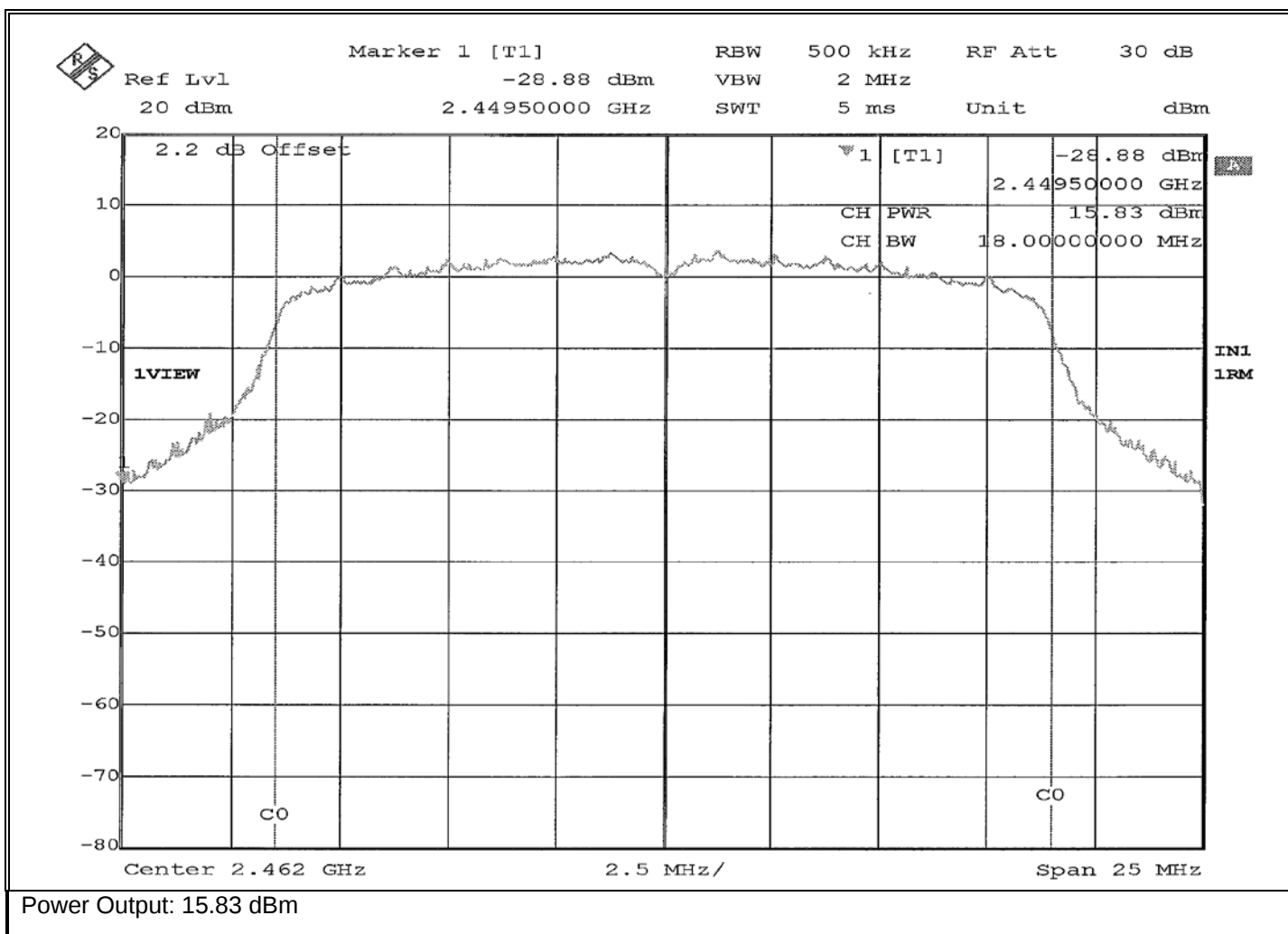


Retlif Testing Laboratories

Report No. R-6502N-3

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| <b>Test Method</b>        | <b>Peak Power Output</b>                          |
| <b>Customer</b>           | Immedia Semiconductor, LLC.                       |
| <b>Job Number</b>         | R-6502N-3                                         |
| <b>Test Sample</b>        | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number</b>       | BCM00202U                                         |
| <b>Serial Number</b>      | 887-000-575                                       |
| <b>Test Specification</b> | FCC Part 15, Subpart C Paragraph 15.247 (b)(3)    |
| <b>Operating Mode</b>     | Transmitting modulated signal (Non11) at 2462 MHz |
| <b>Technician</b>         | M. Seamans                                        |
| <b>Date</b>               | March 9 <sup>th</sup> , 2020                      |

**Notes:** Measurement method: AVGSA-3



**Retlif Testing Laboratories**

Report No. R-6502N-3

**Test Photographs**  
**Antenna Port, Conducted Emissions**



EUT Configuration



**Retlif Testing Laboratories**

Report No. R-6502N-3

**FCC Part 15, Subpart C, Section 15.247(d)  
Antenna Port, Conducted Emissions  
Band Edge Test Data**



**Retlif Testing Laboratories**

Report No. R-6502N-3

**Conducted Out of Band**



**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -24.09 dBm                                |

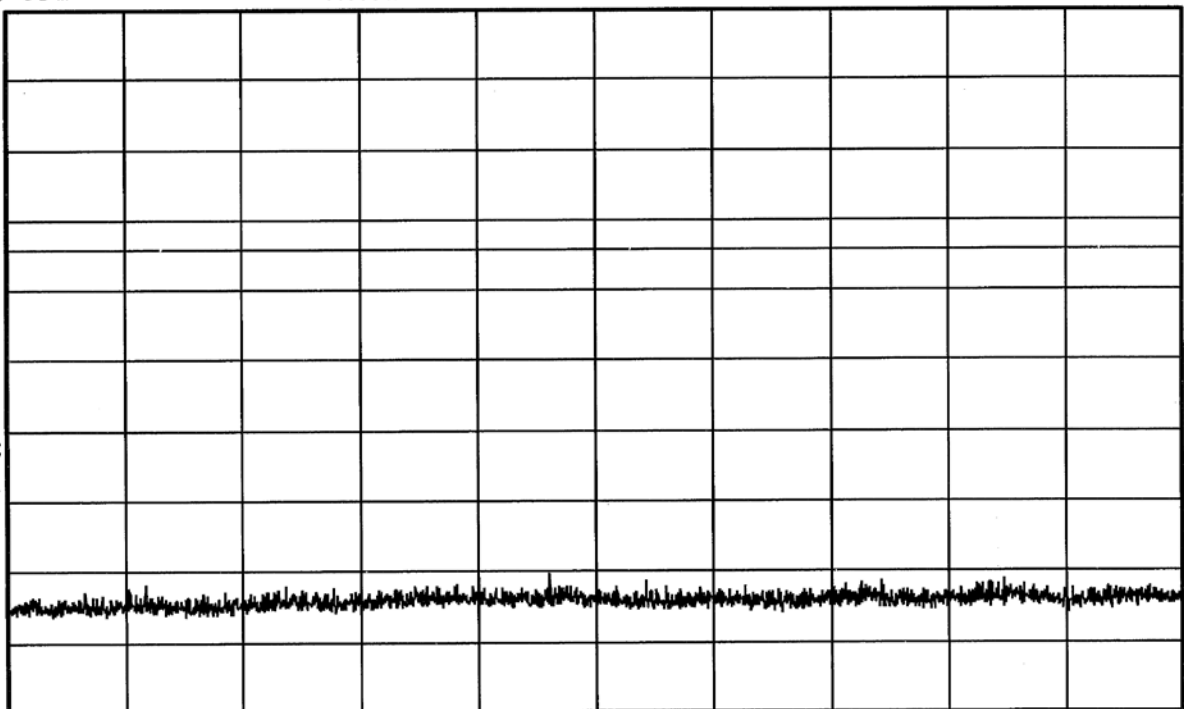
Ref 10 dBm

#Atten 20 dB

#Peak  
Log  
10  
dB/

DI  
-24.1  
dBm  
LgAv

V1 S2  
S3 FC  
A AA  
Ê(f):  
FTun  
Swp



Start 30.0 MHz

Stop 1.000 0 GHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 327.9 ms (2500 pts)

25MHz to 1GHz

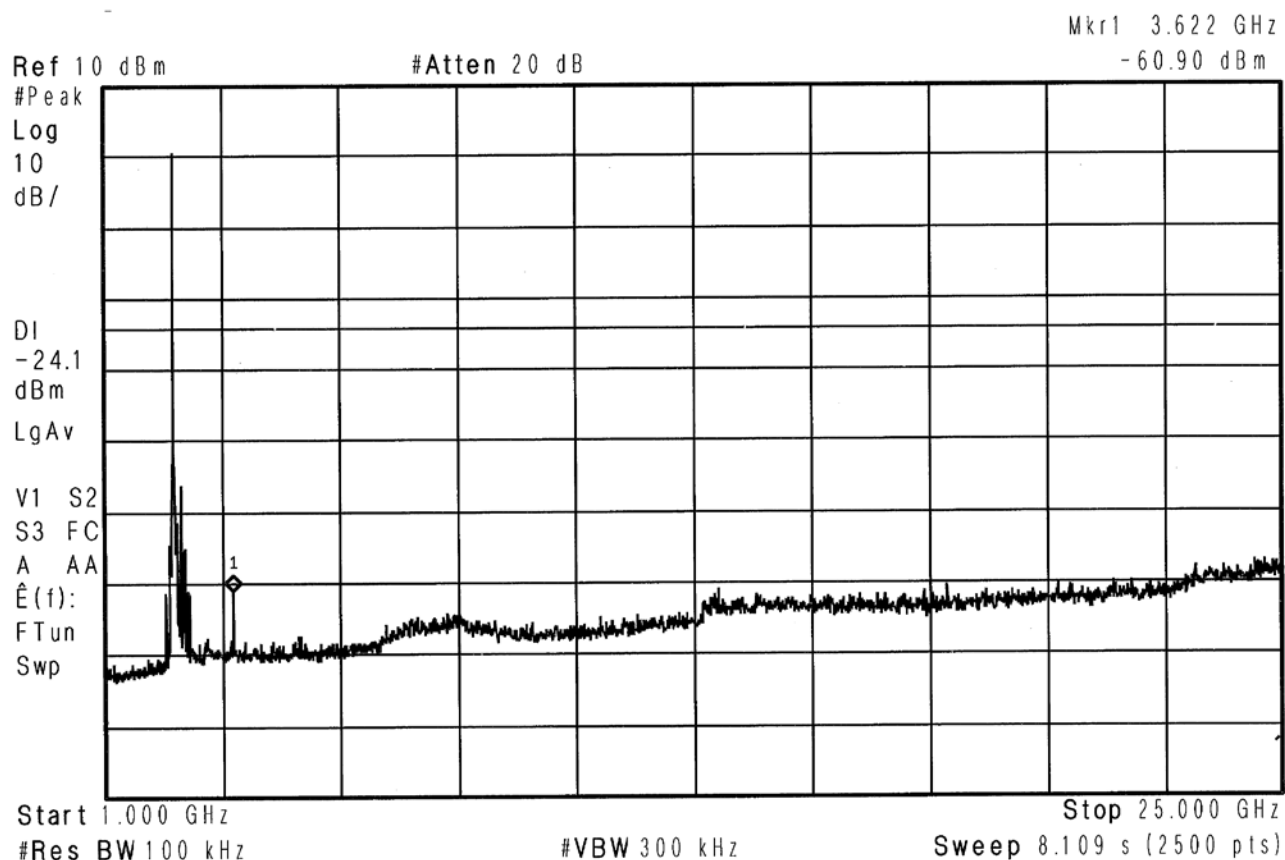


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -24.09 dBm                                |



1GHz to 25GHz

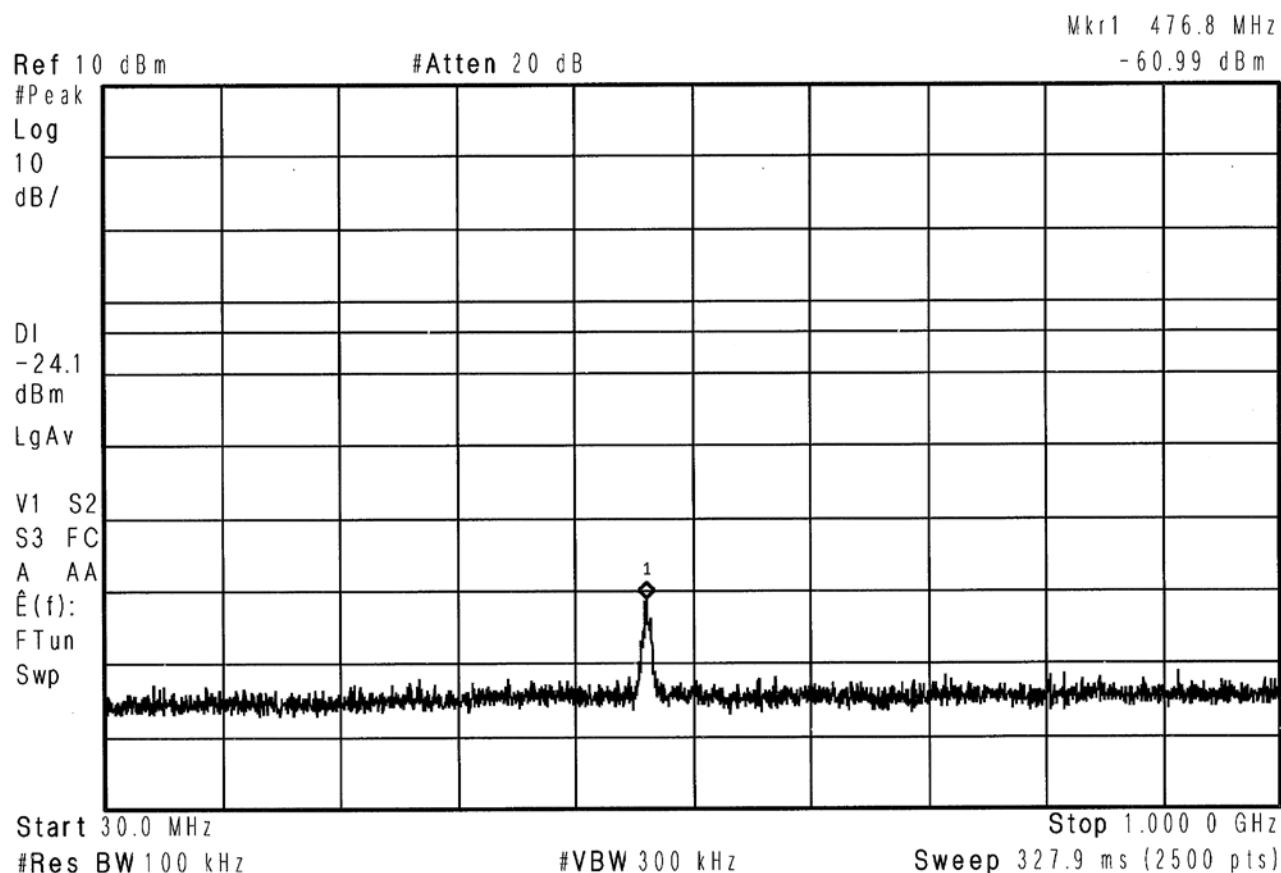


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -24.09 dBm                                |



25MHz to 1GHz

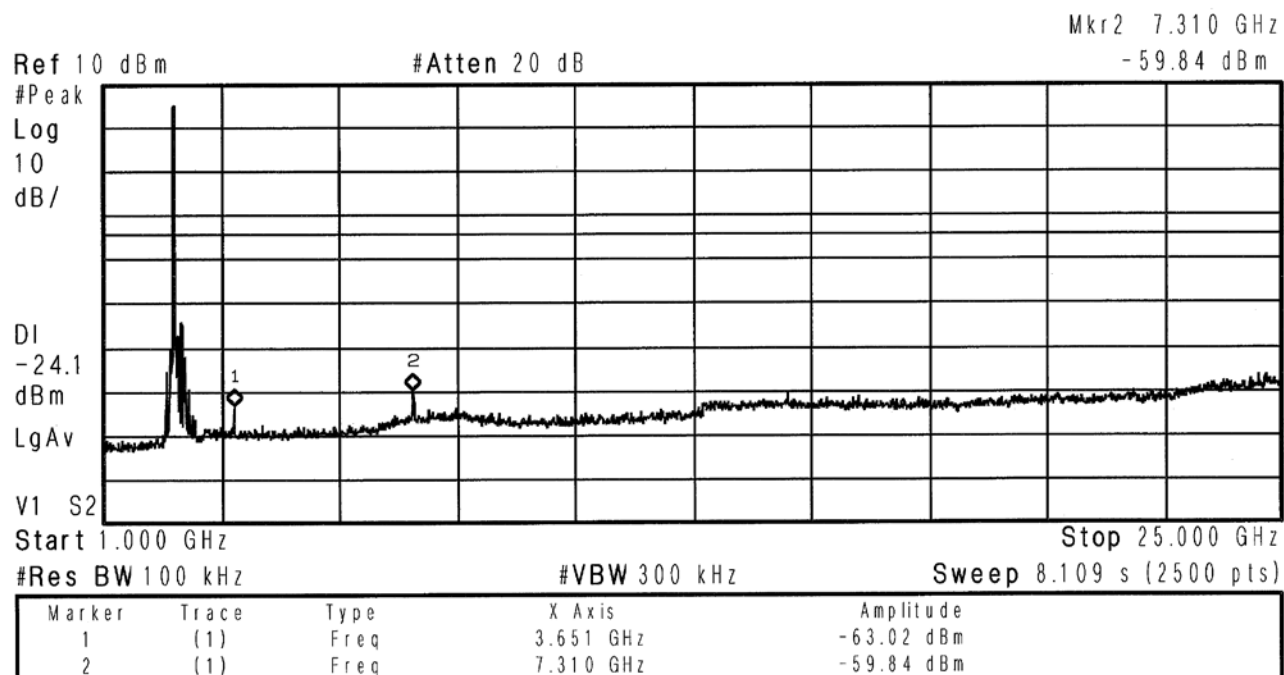


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -24.09 dBm                                |



1GHz to 25GHz

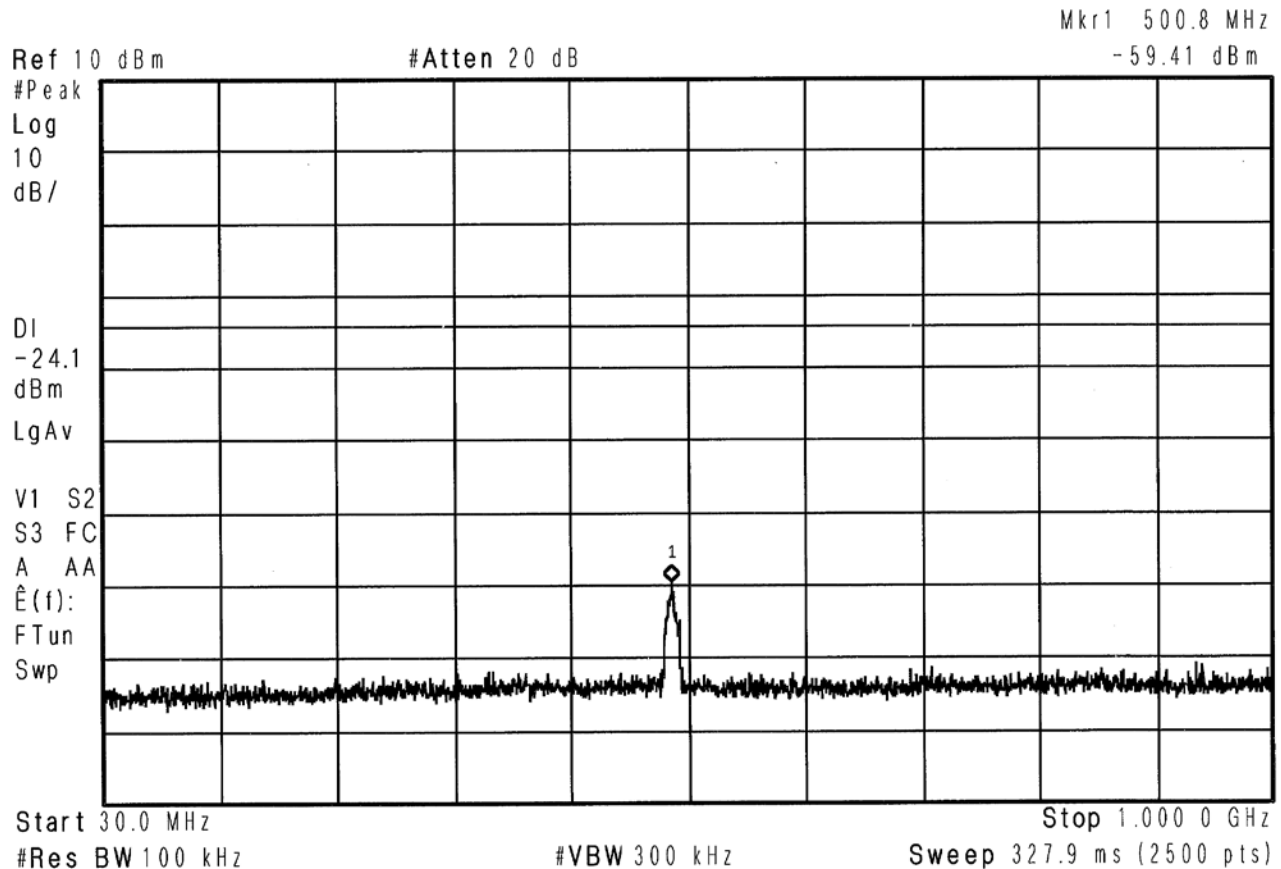


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -24.09 dBm                                |



25MHz to 1GHz

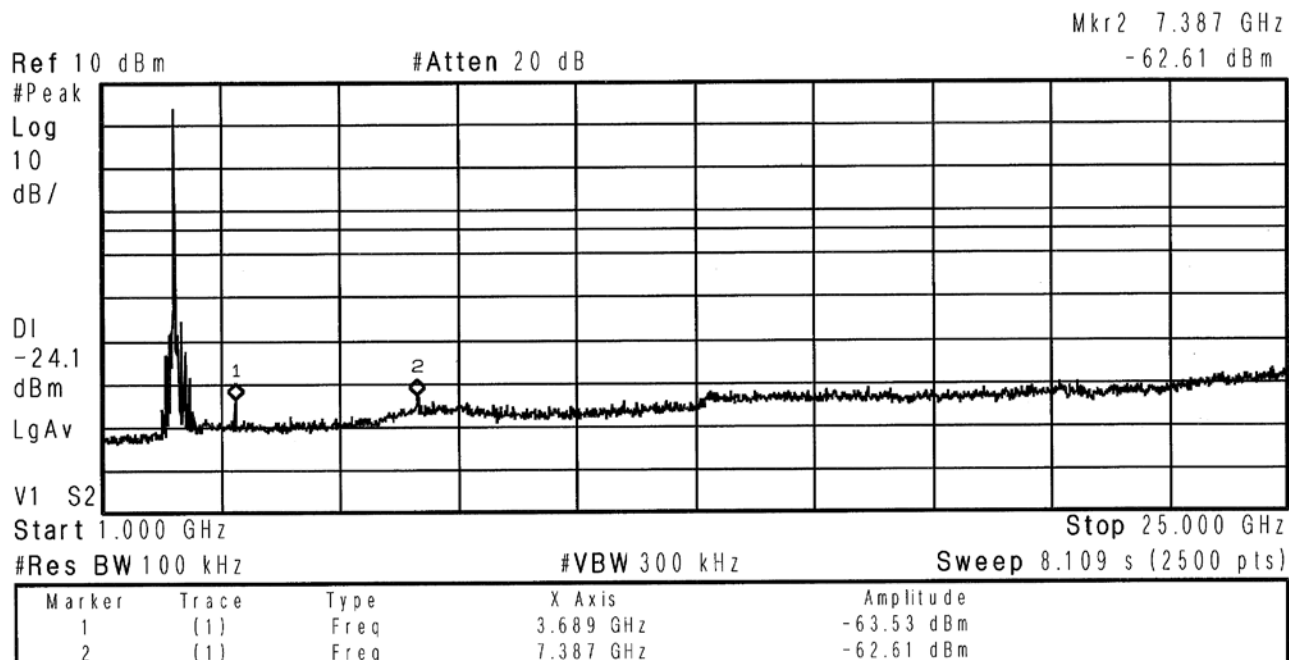


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -24.09 dBm                                |



1GHz to 25GHz



**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -22.73 dBm                                |

Ref 10 dBm

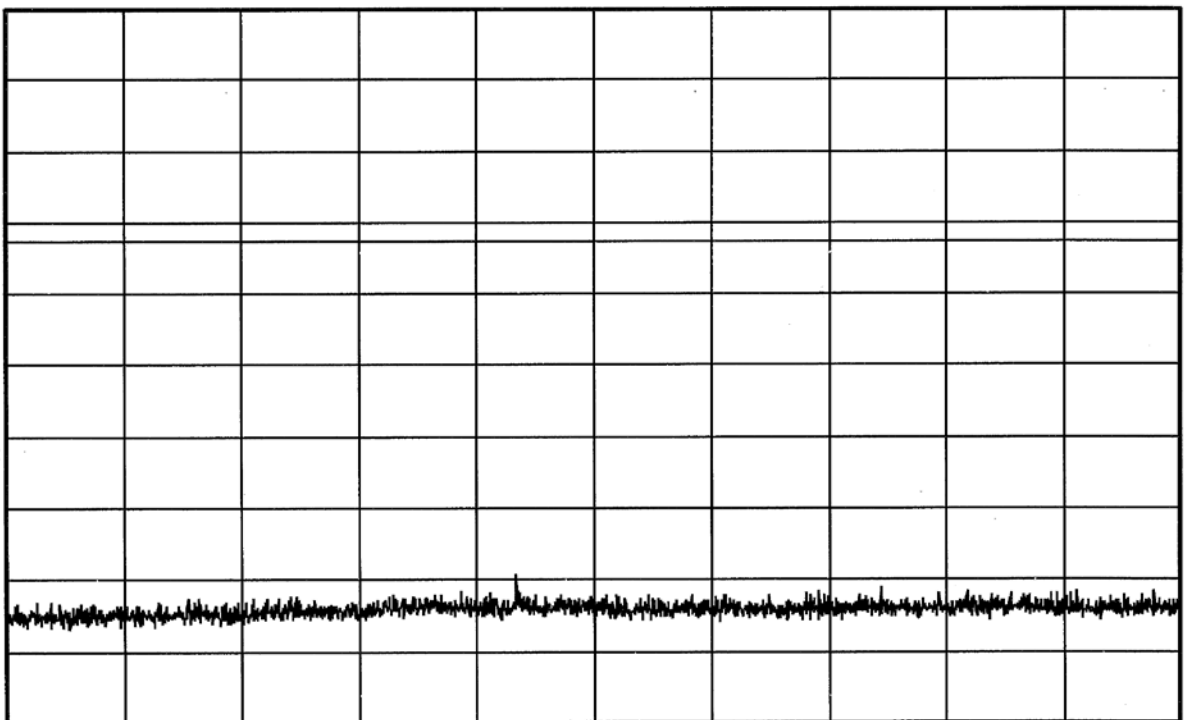
#Atten 20 dB

#Peak  
Log  
10  
dB/

DI  
-22.7  
dBm

LgAv

V1 S2  
S3 FC  
A AA  
E(f):  
FTun  
Swp



Start 30.0 MHz

#Res BW 100 kHz

#VBW 300 kHz

Stop 1.000 0 GHz

Sweep 327.9 ms (2500 pts)

25MHz to 1GHz

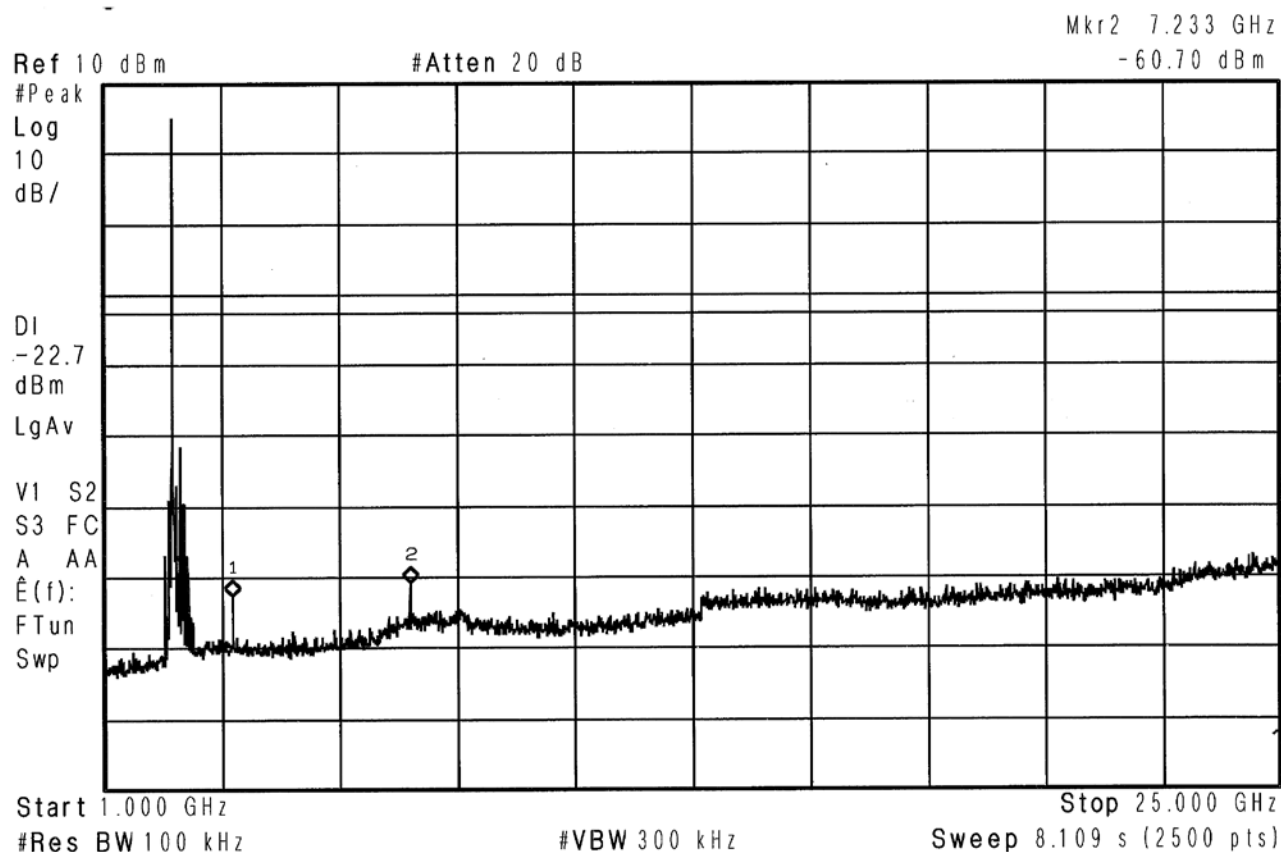


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -22.73 dBm                                |



1GHz to 25GHz

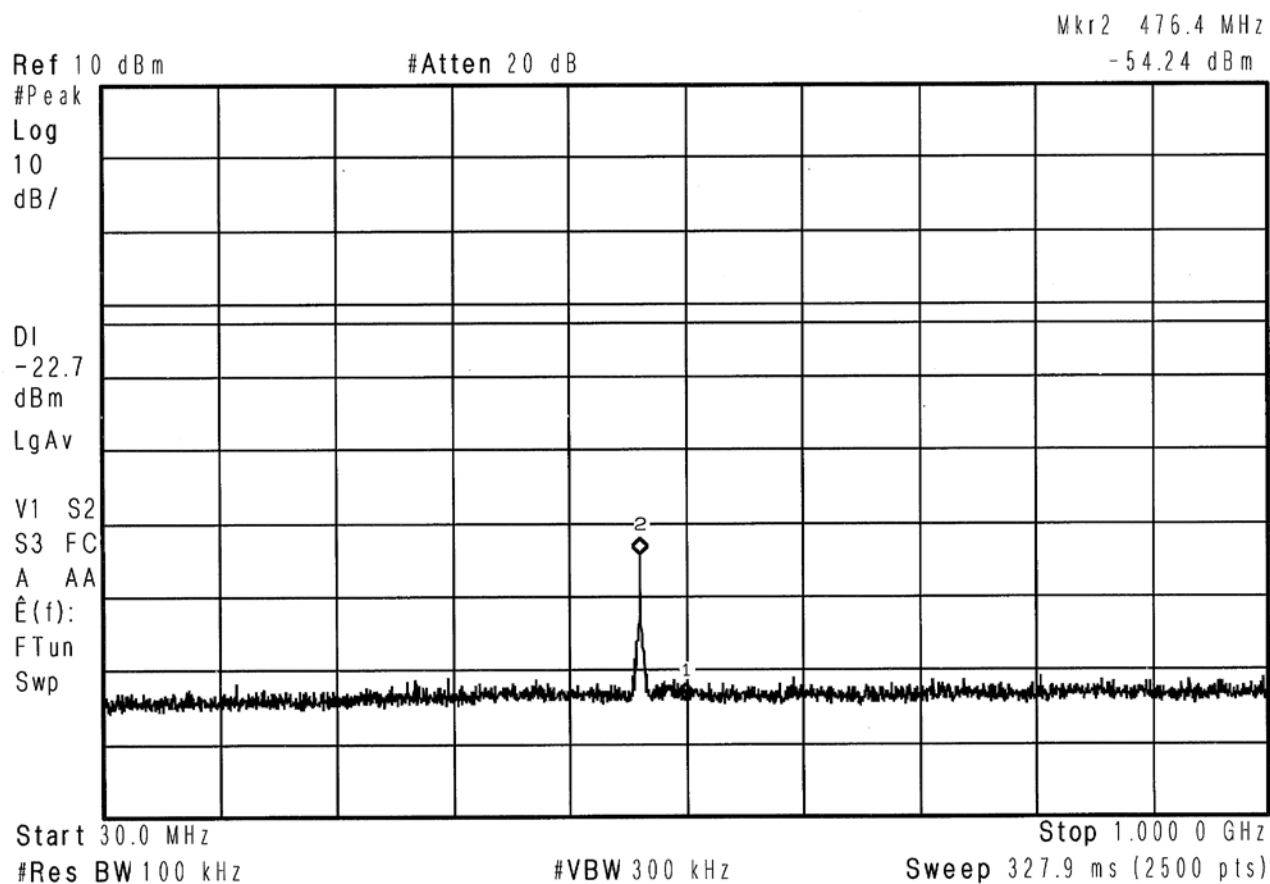


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Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -22.73 dBm                                |



25MHz to 1GHz

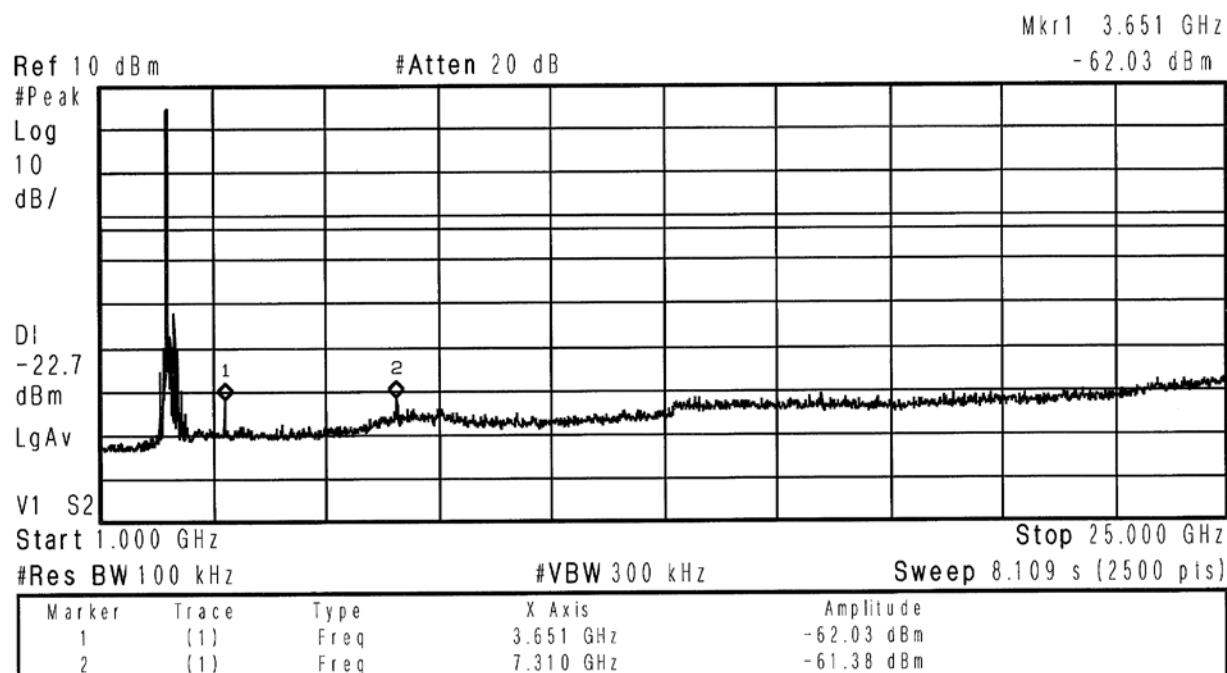


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Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -22.73 dBm                                |



1GHz to 25GHz

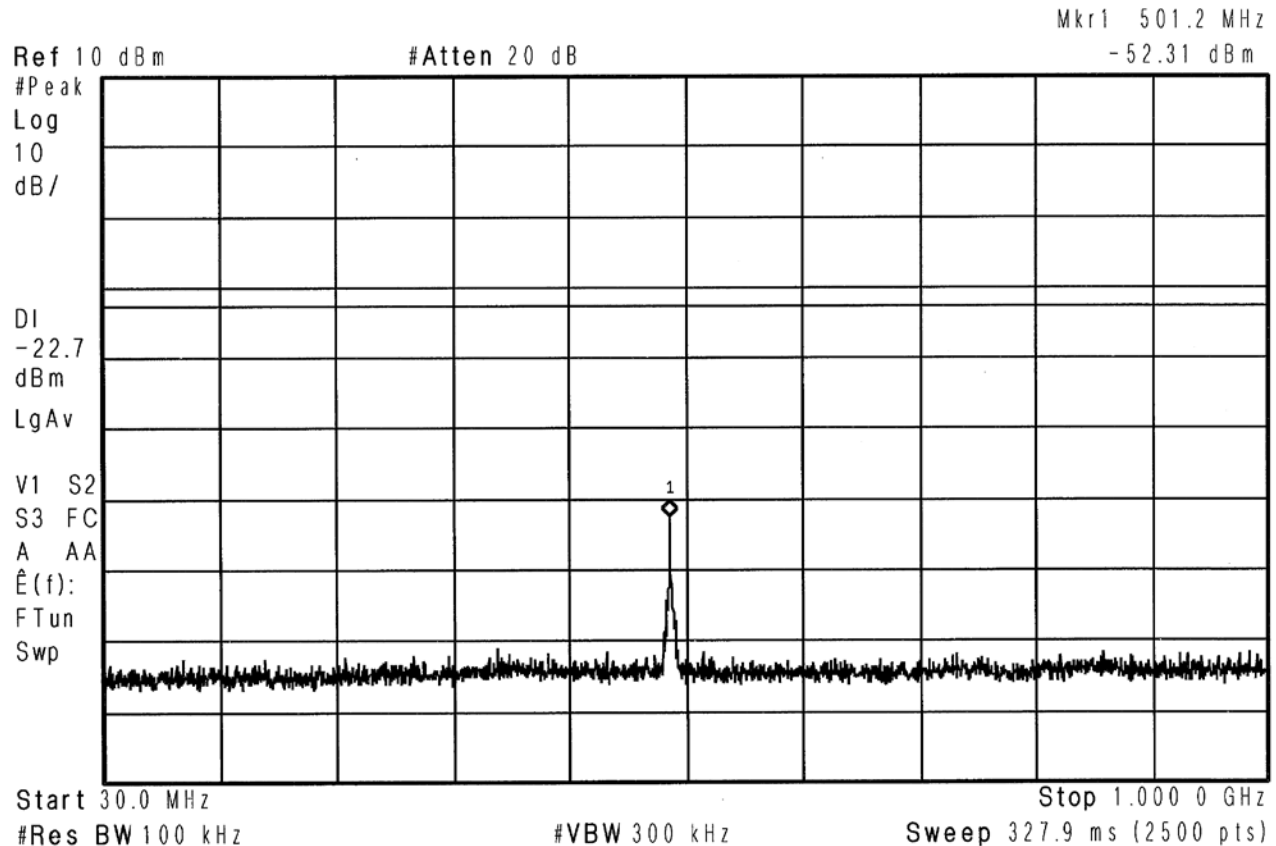


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Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -22.73 dBm                                |



25MHz to 1GHz

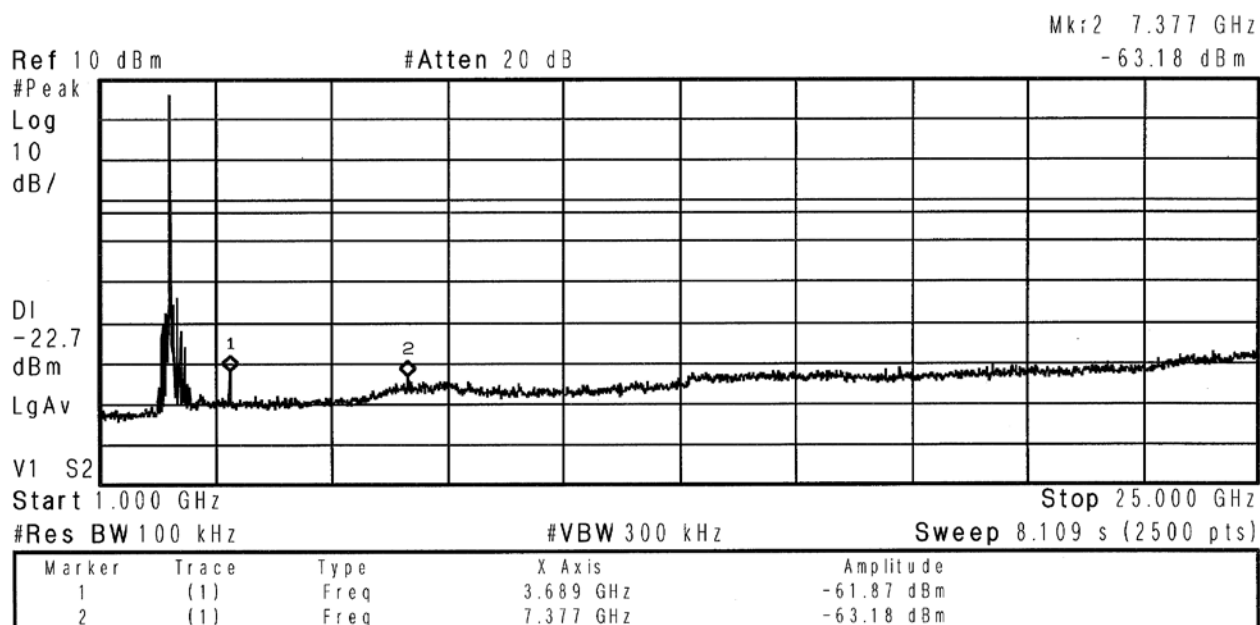


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Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Limit: -22.73 dBm                                |



1GHz to 25GHz

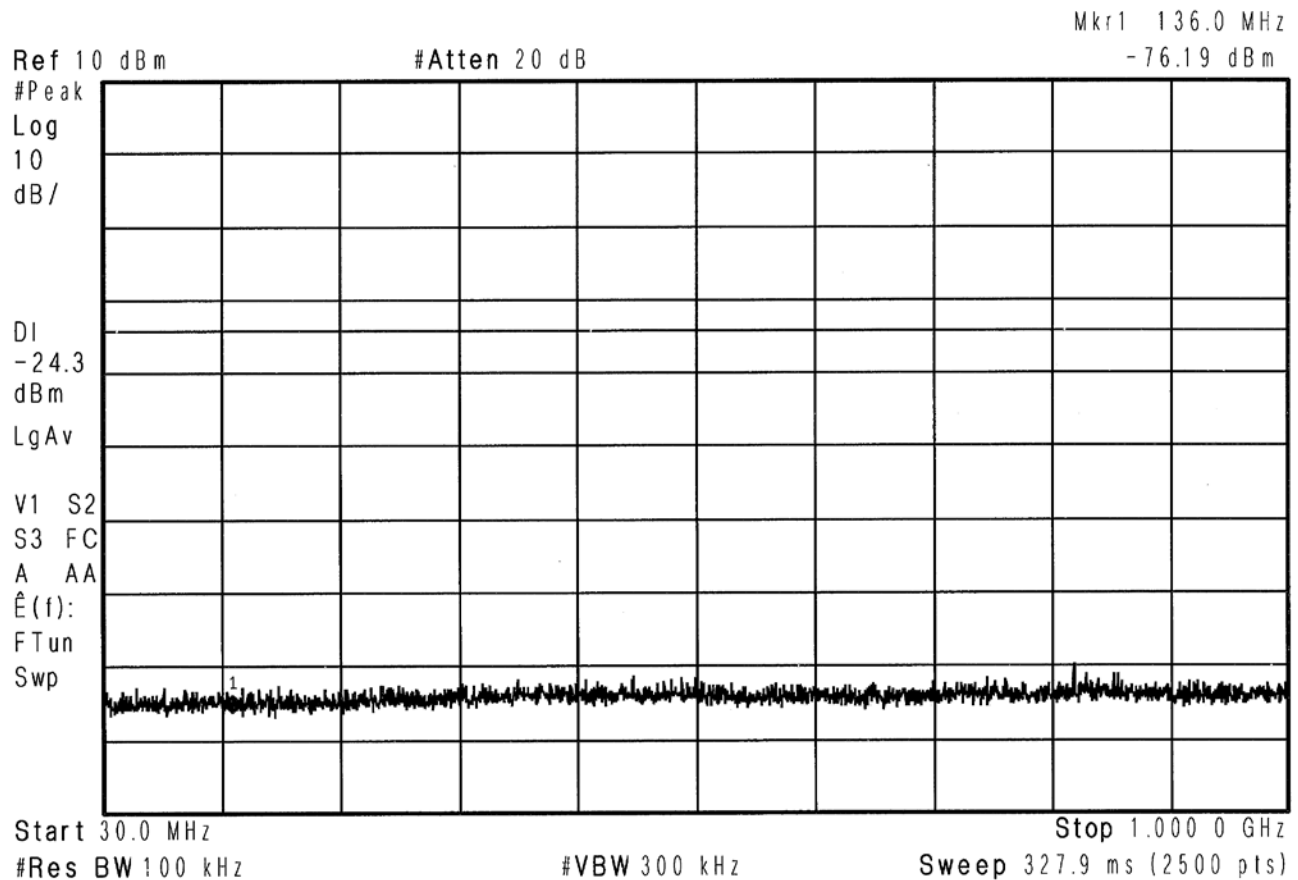


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Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                      |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)      |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                  |
| <b>Notes:</b>                   | Limit: -24.30 dBm                                 |



25MHz to 1GHz

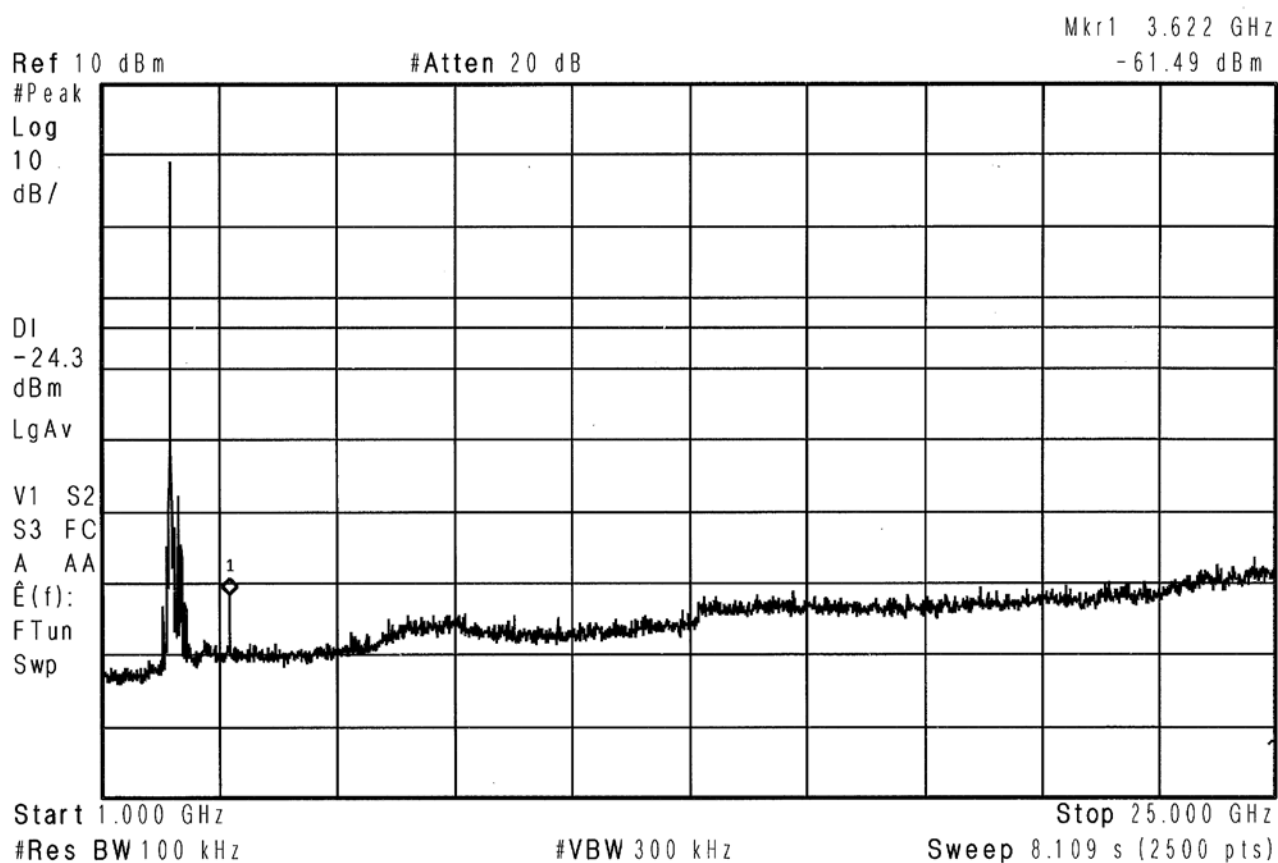


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Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                      |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)      |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                  |
| <b>Notes:</b>                   | Limit: -24.30 dBm                                 |



1GHz to 25GHz

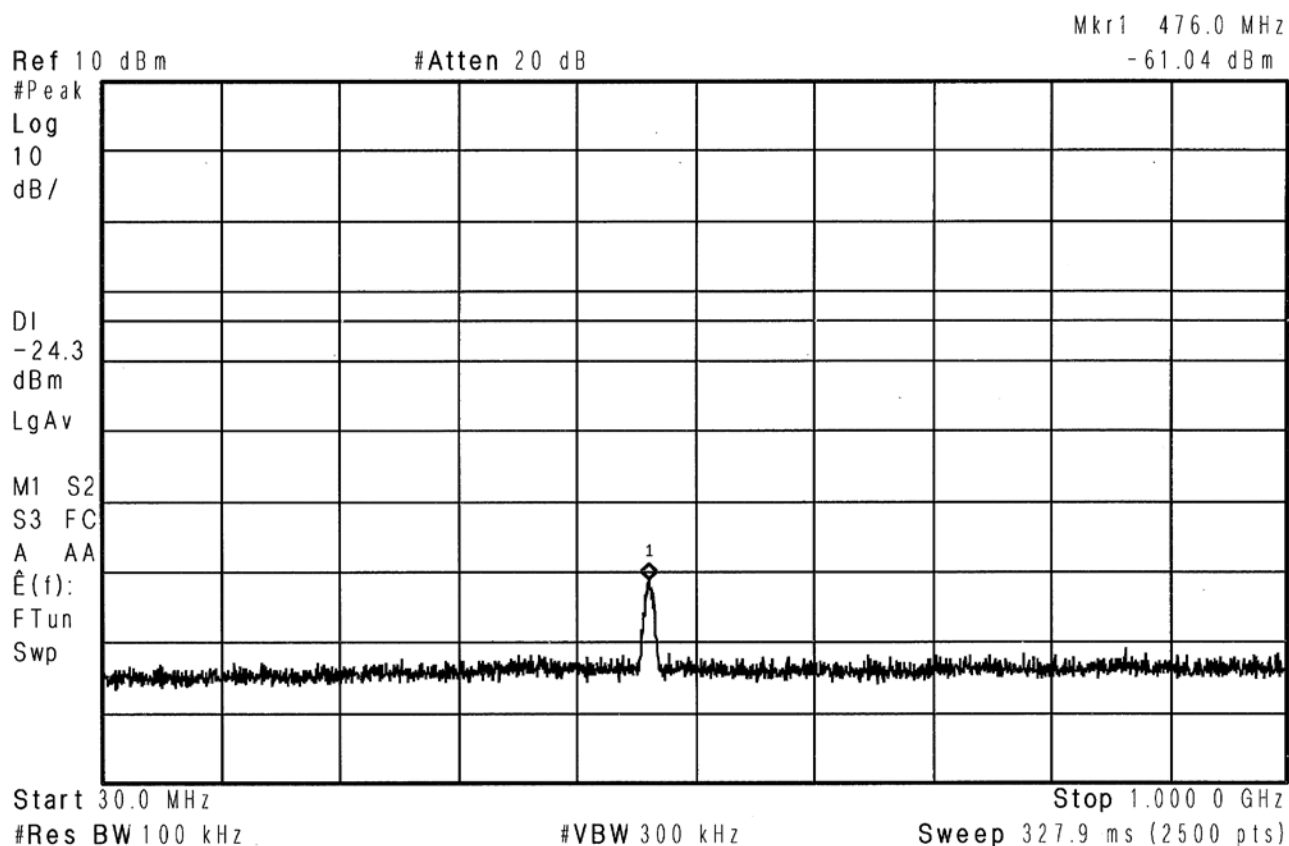


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Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                      |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)      |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                  |
| <b>Notes:</b>                   | Limit: -24.30 dBm                                 |



25MHz to 1GHz

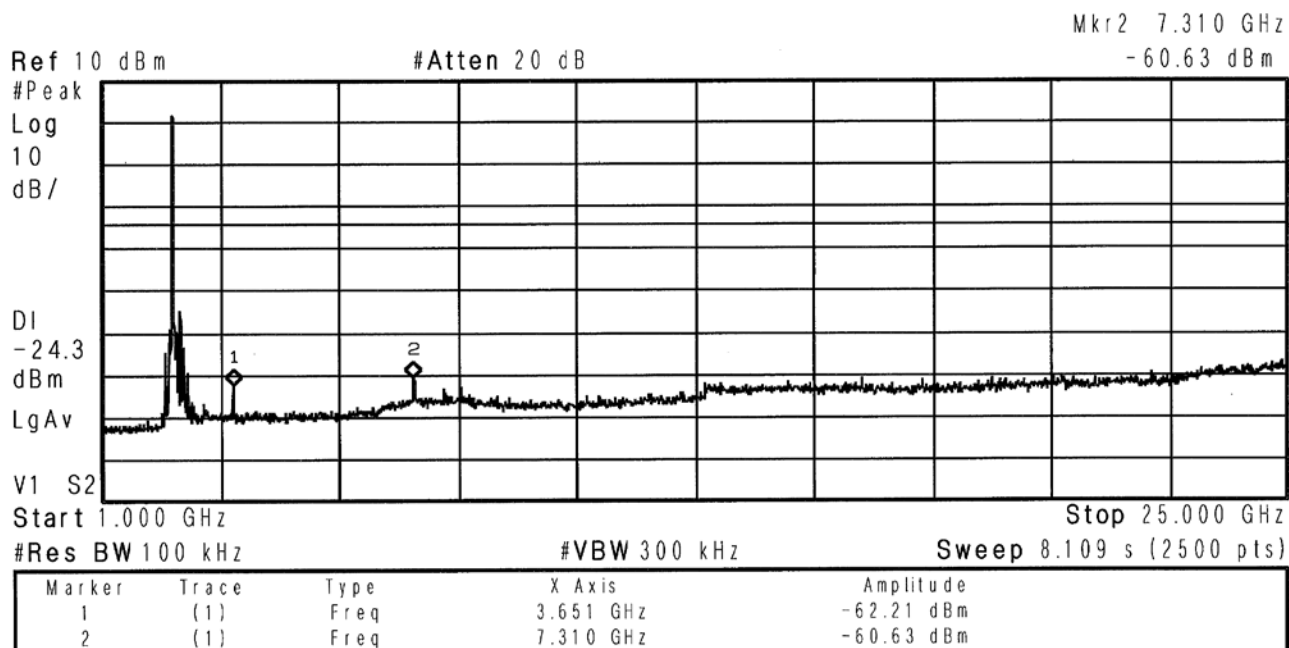


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Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                      |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)      |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                  |
| <b>Notes:</b>                   | Limit: -24.30 dBm                                 |



1GHz to 25GHz

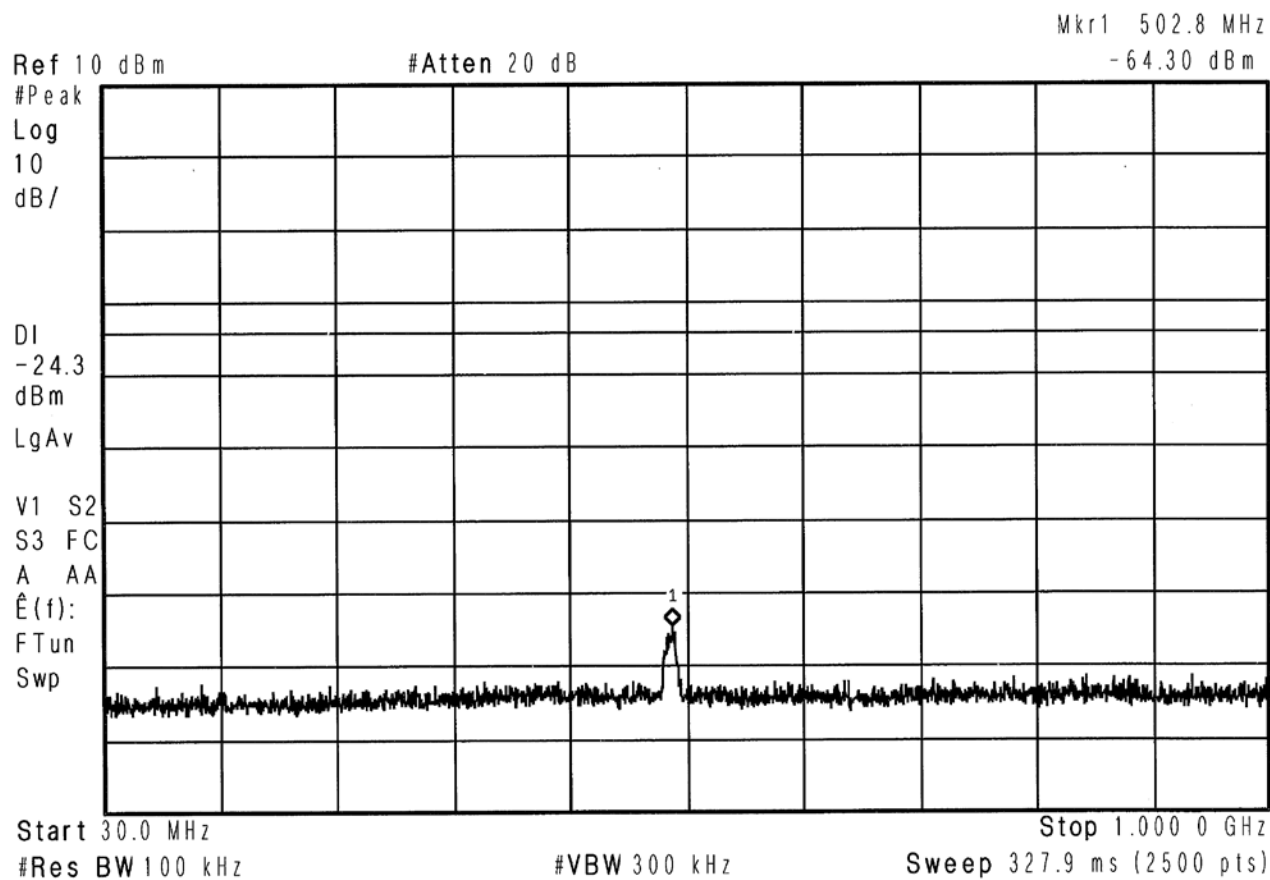
## EMISSIONS TEST DATA SHEET



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Report No. R-6502N-3

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                      |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)      |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                  |
| <b>Notes:</b>                   | Limit: -24.30 dBm                                 |



25MHz to 1GHz

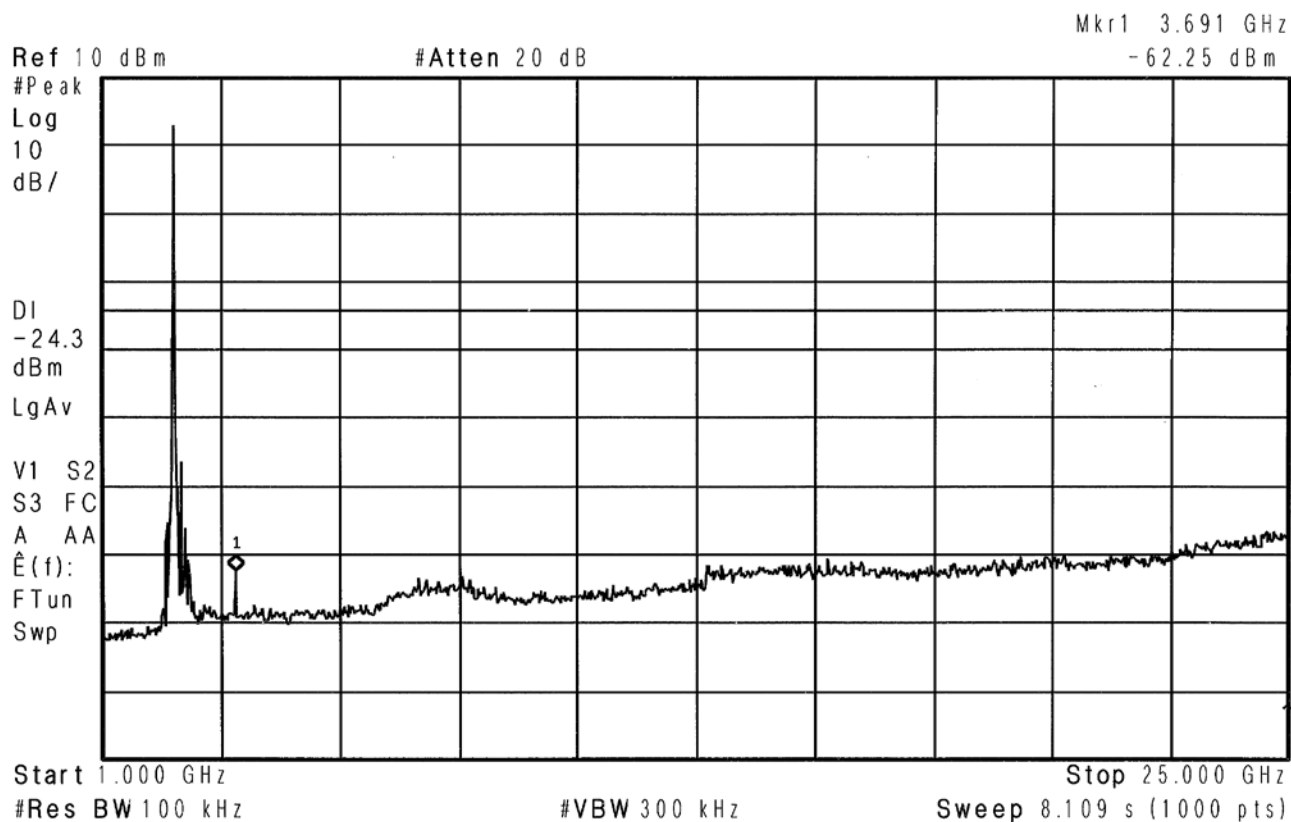
## EMISSIONS TEST DATA SHEET



**Retlif Testing Laboratories**

Report No. R-6502N-3

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Conducted Out of Band</b>                      |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)      |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                  |
| <b>Notes:</b>                   | Limit: -24.30 dBm                                 |



1GHz to 25GHz



**Retlif Testing Laboratories**

Report No. R-6502N-3

**Band Edge**

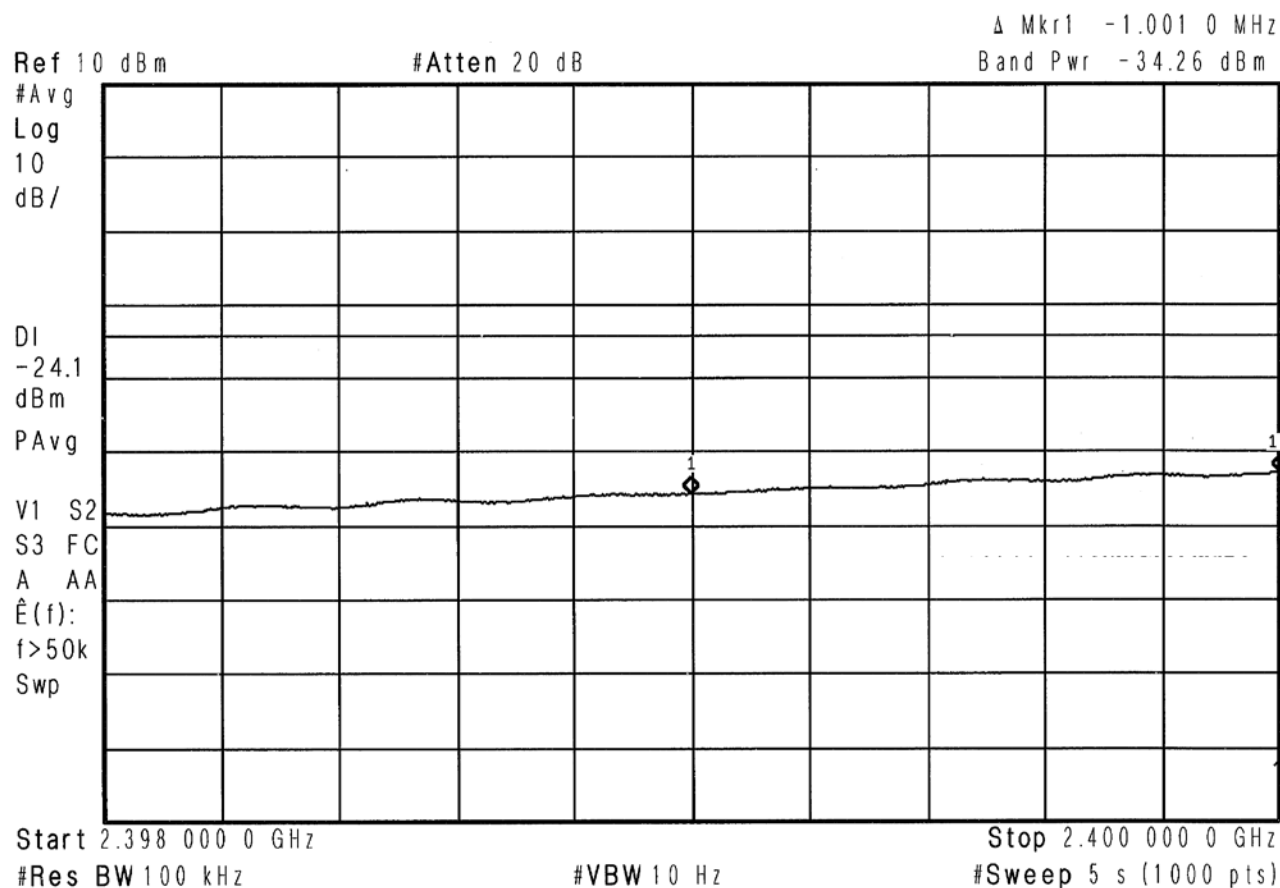


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Band Edge</b>                                 |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Reading: -34.26 dBm Limit: -24.09 dBm            |



Band Edge Low

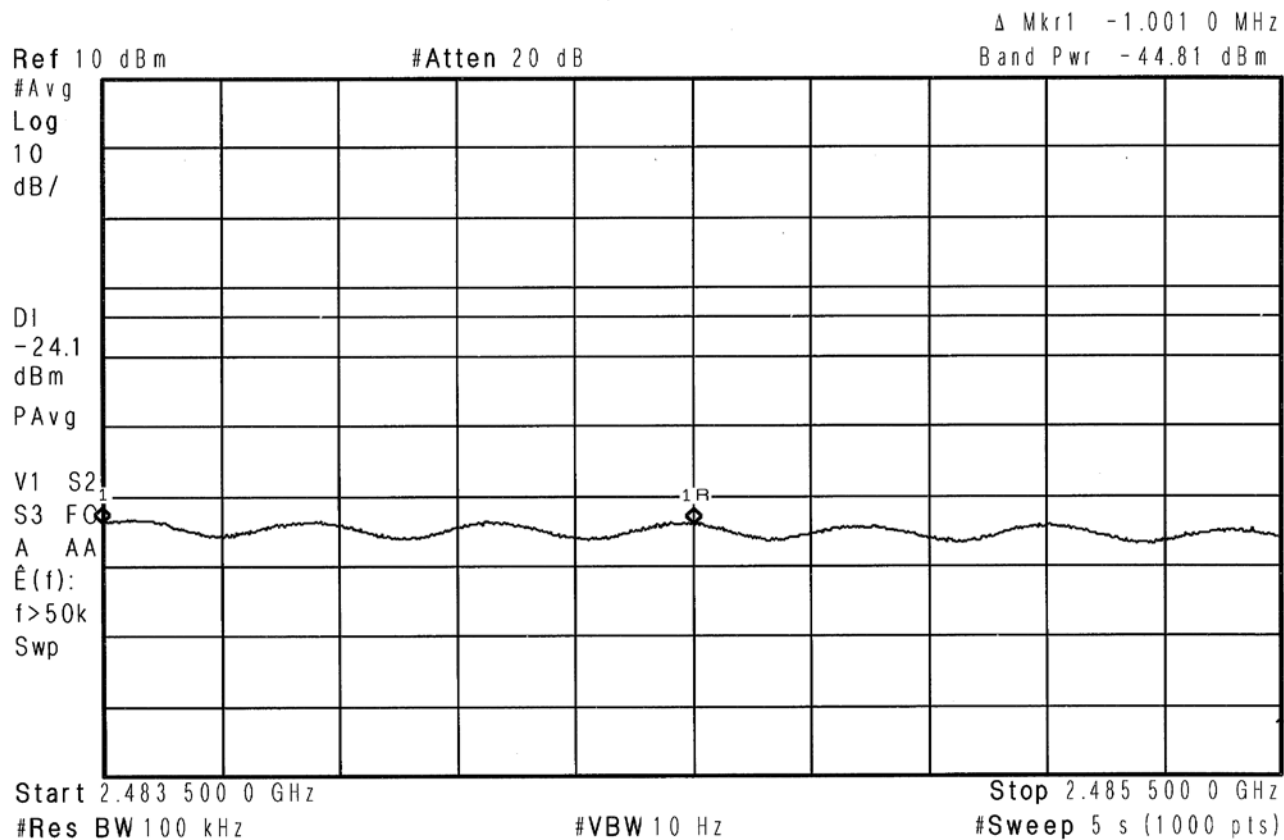


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Band Edge</b>                                 |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Reading: -44.81 dBm Limit: -24.09 dBm            |



Band Edge High

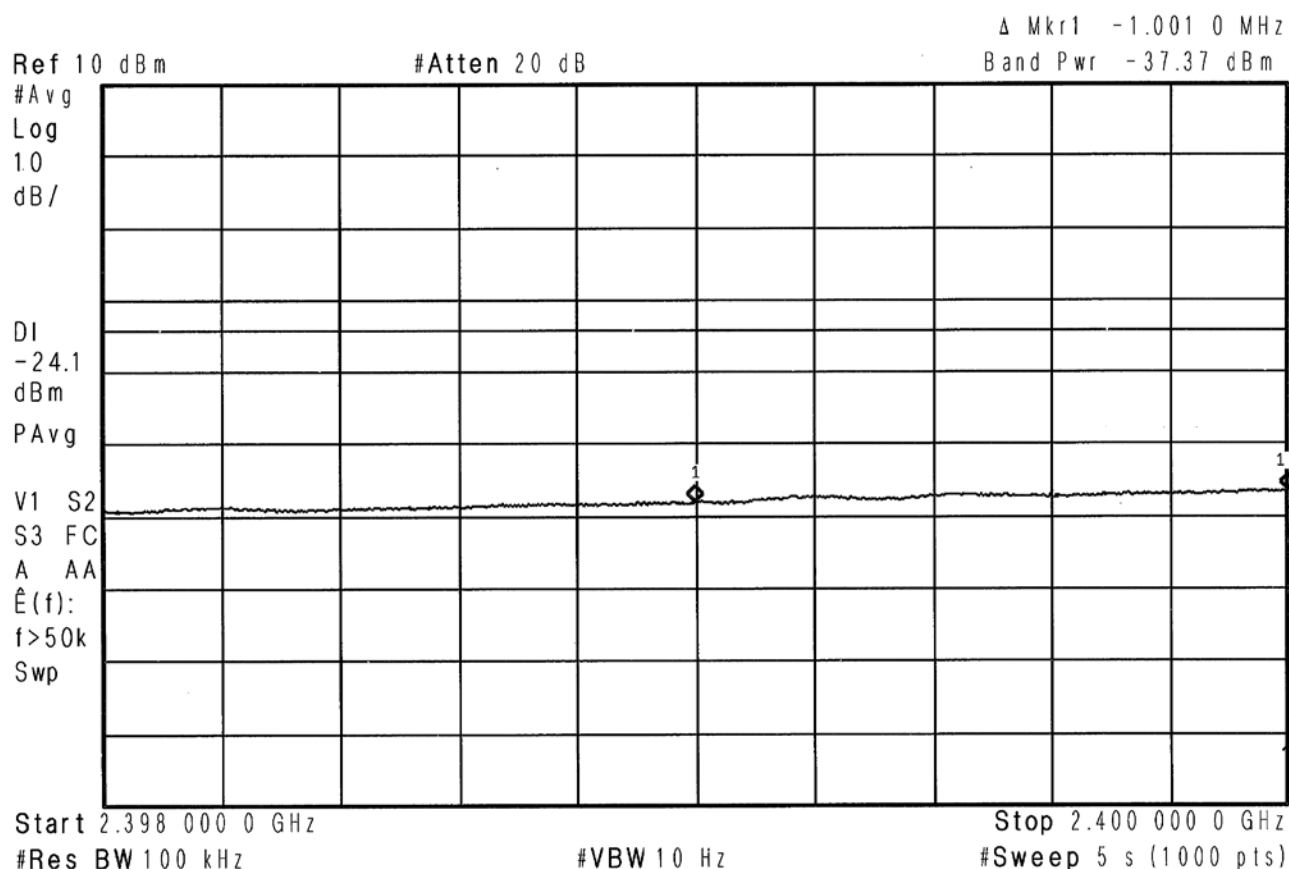


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Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Band Edge</b>                                 |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Reading: -37.37 dBm Limit: -22.73 dBm            |



Band Edge Low

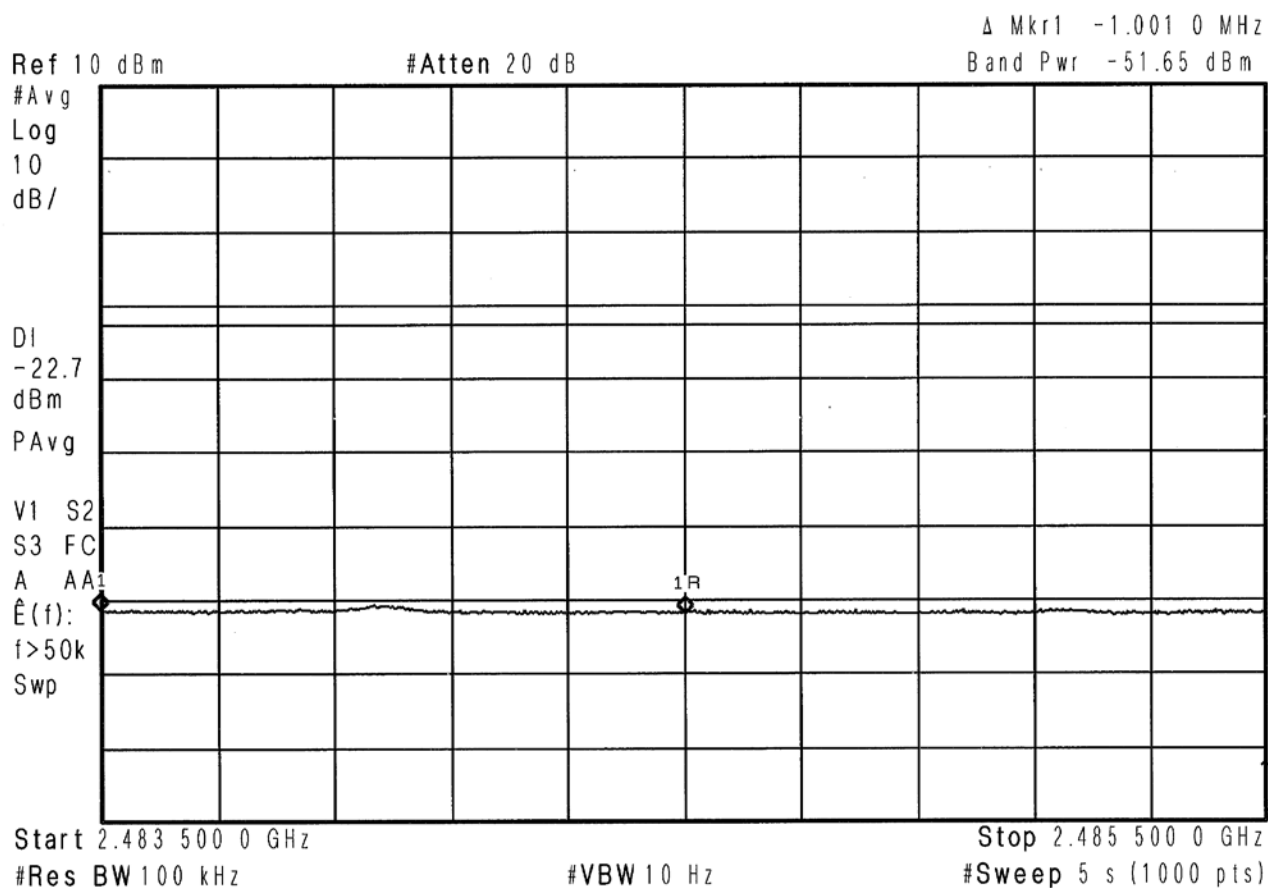


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Band Edge</b>                                 |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                    |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                 |
| <b>Notes:</b>                   | Reading: -51.65 dBm Limit: -22.73 dBm            |



Band Edge High

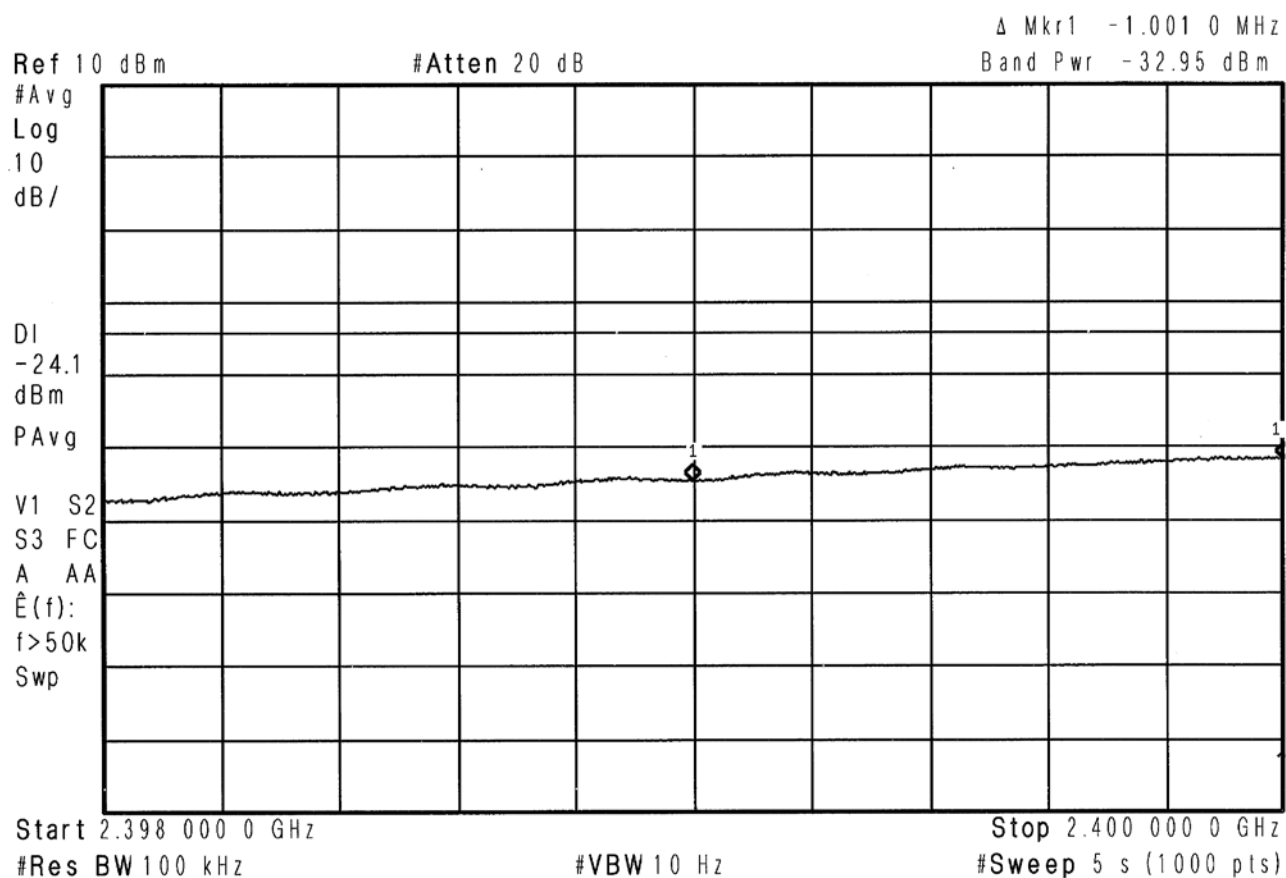


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Band Edge</b>                                  |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)      |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                  |
| <b>Notes:</b>                   | Reading: -32.95 dBm Limit: -24.30 dBm             |



Band Edge Low

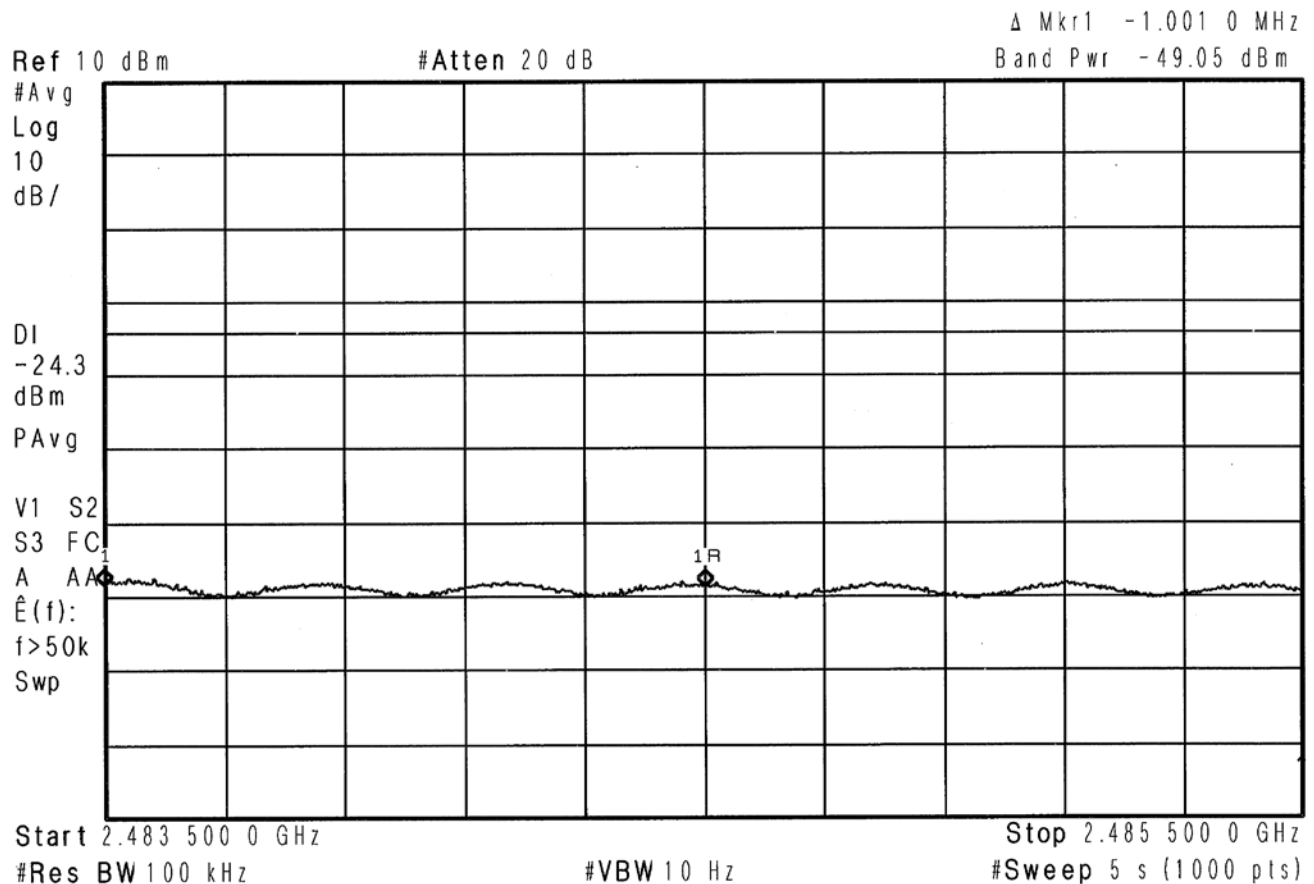


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Band Edge</b>                                  |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (d)      |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 11 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 20.7 °C / 27.0 %                                  |
| <b>Notes:</b>                   | Reading: -49.05 dBm Limit: -24.30 dBm             |



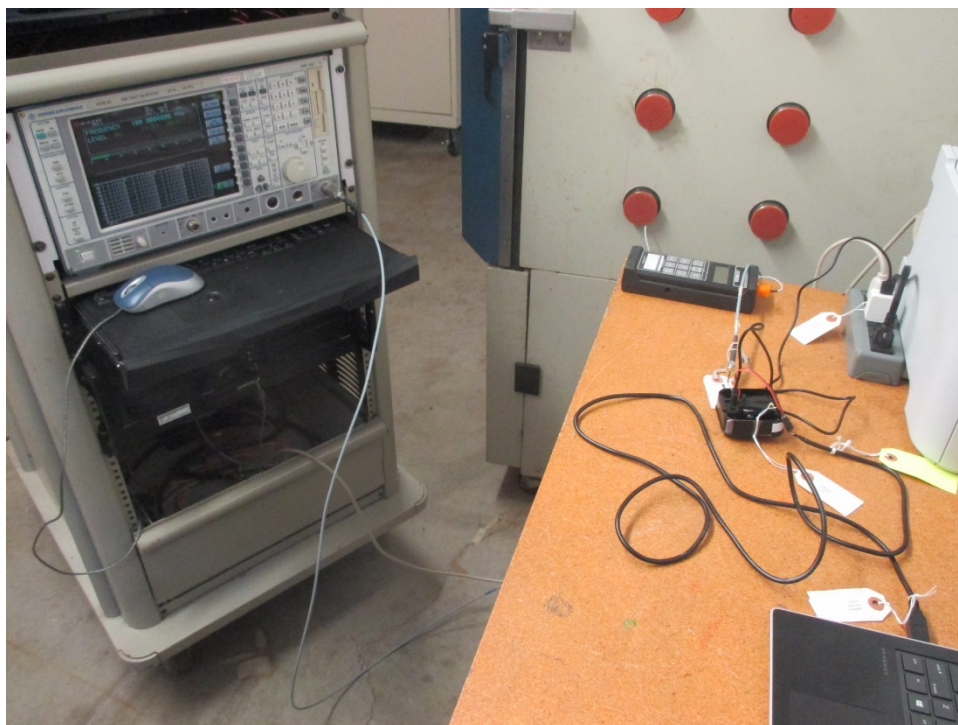
Band Edge High



**Retlif Testing Laboratories**

Report No. R-6502N-3

**Test Photographs**  
**Antenna Port, Power Density**



**EUT Configuration**



**Retlif Testing Laboratories**

Report No. R-6502N-3

**FCC Part 15, Subpart C, Section 15.247(e)  
Antenna Port, Power Density  
Test Data**

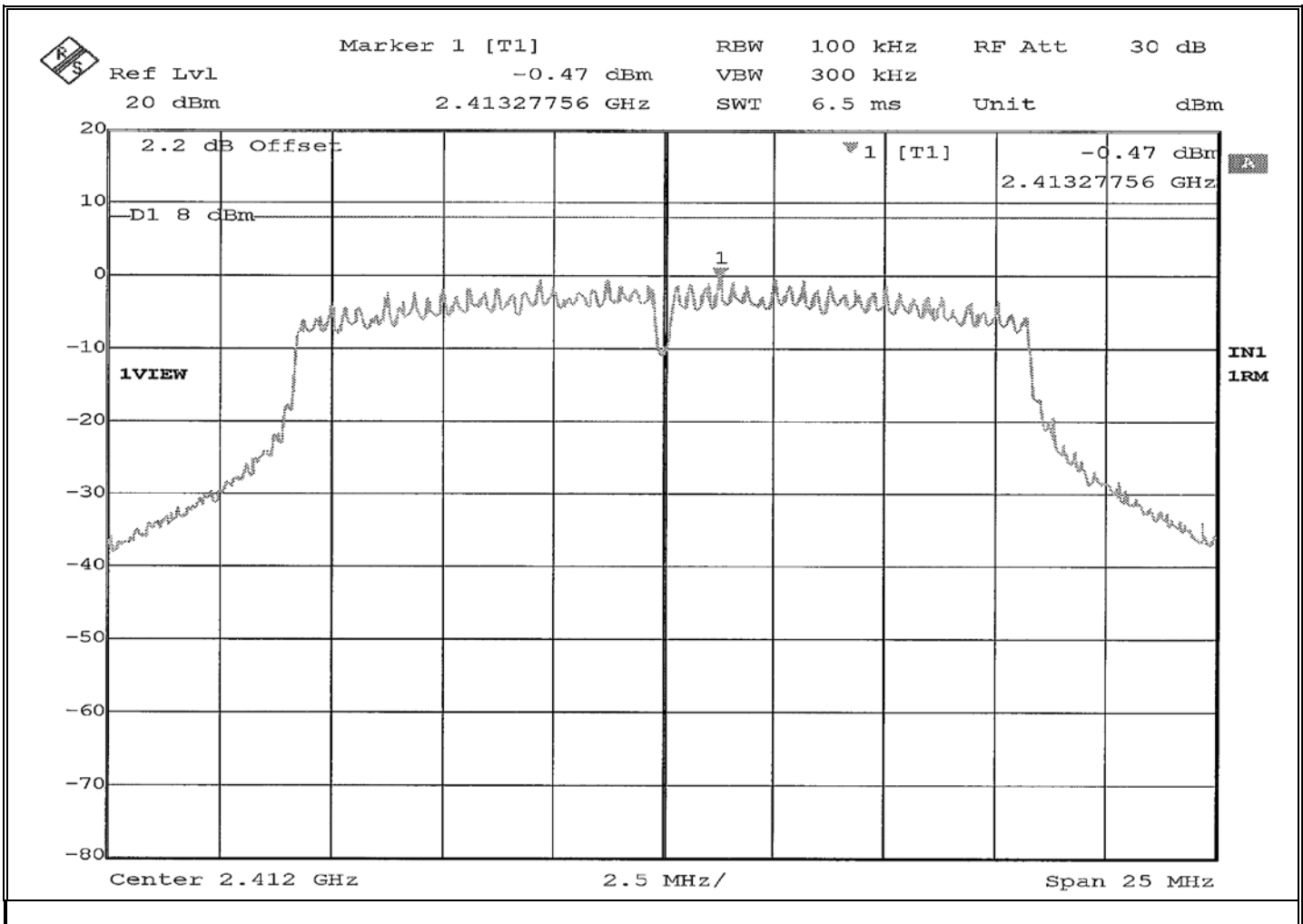


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Power Spectral Density</b>                    |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (e)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 9 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 17.7 °C / 29.0 %                                 |
| <b>Notes:</b>                   | Power Spectral Density: -0.47 dBm                |

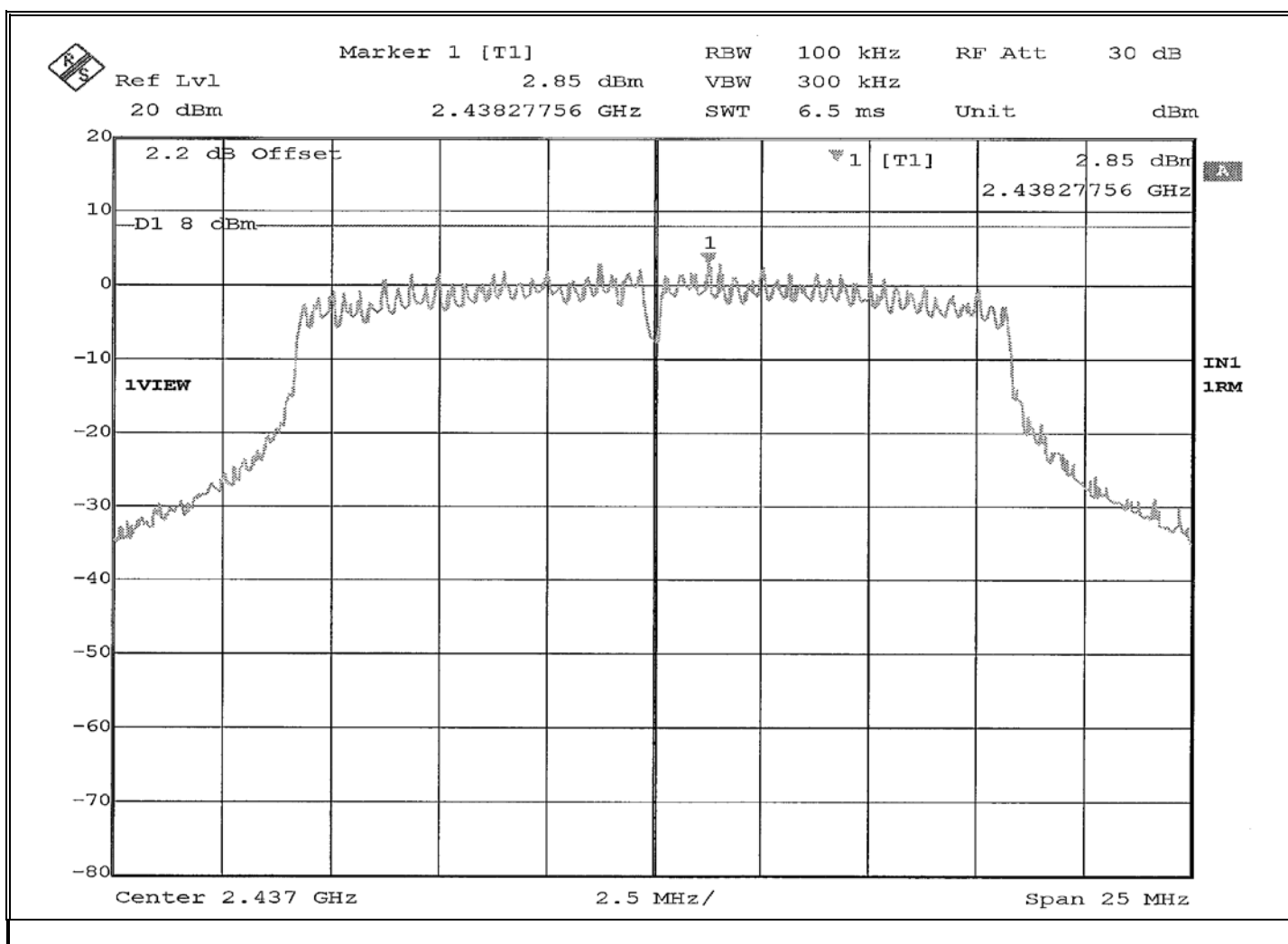


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Power Spectral Density</b>                    |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (e)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 9 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 17.7 °C / 29.0 %                                 |
| <b>Notes:</b>                   | Power Spectral Density: 2.85 dBm                 |

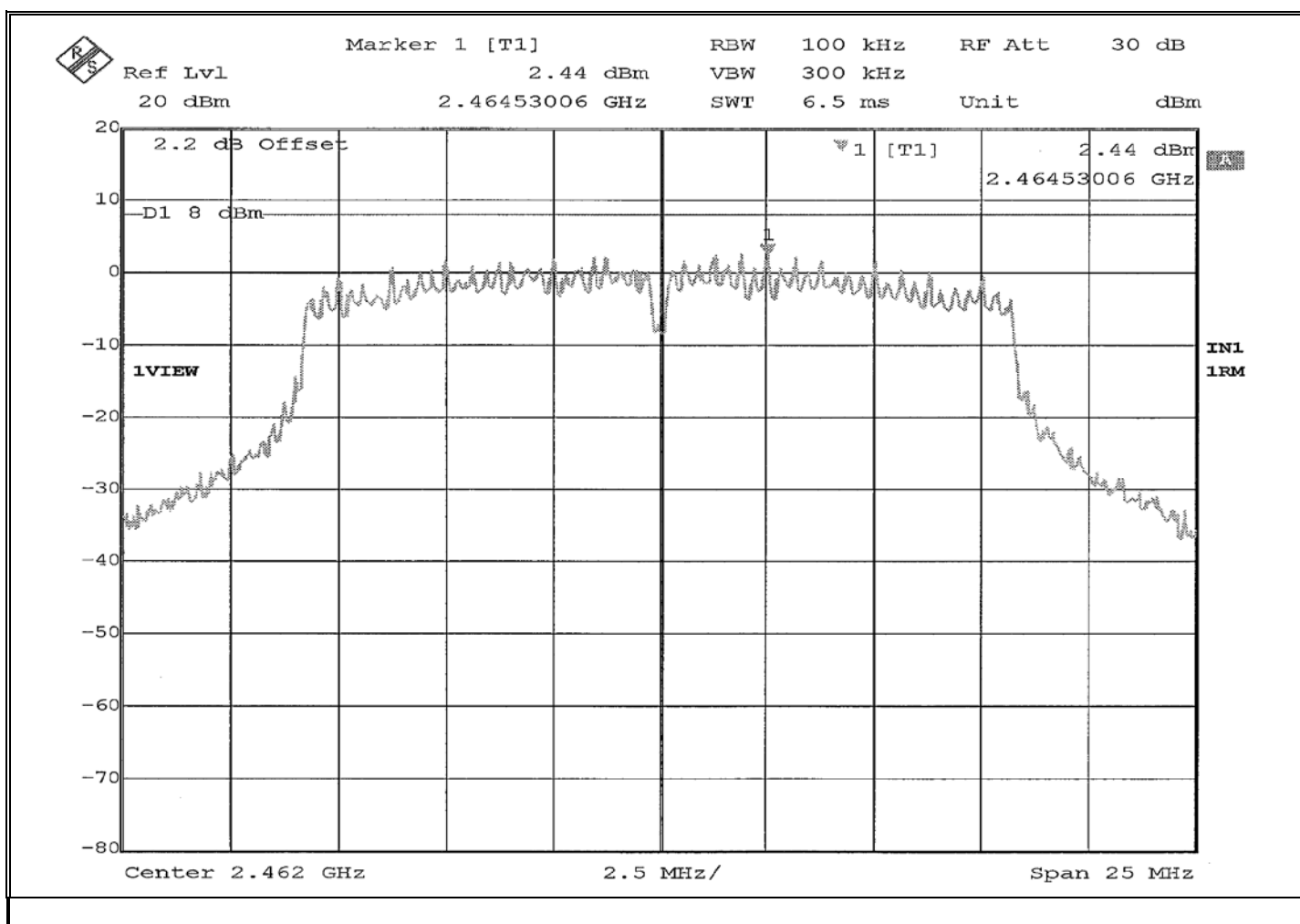


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Power Spectral Density</b>                    |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (e)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (OFDM) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 9 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 17.7 °C / 29.0 %                                 |
| <b>Notes:</b>                   | Power Spectral Density: 2.44 dBm                 |

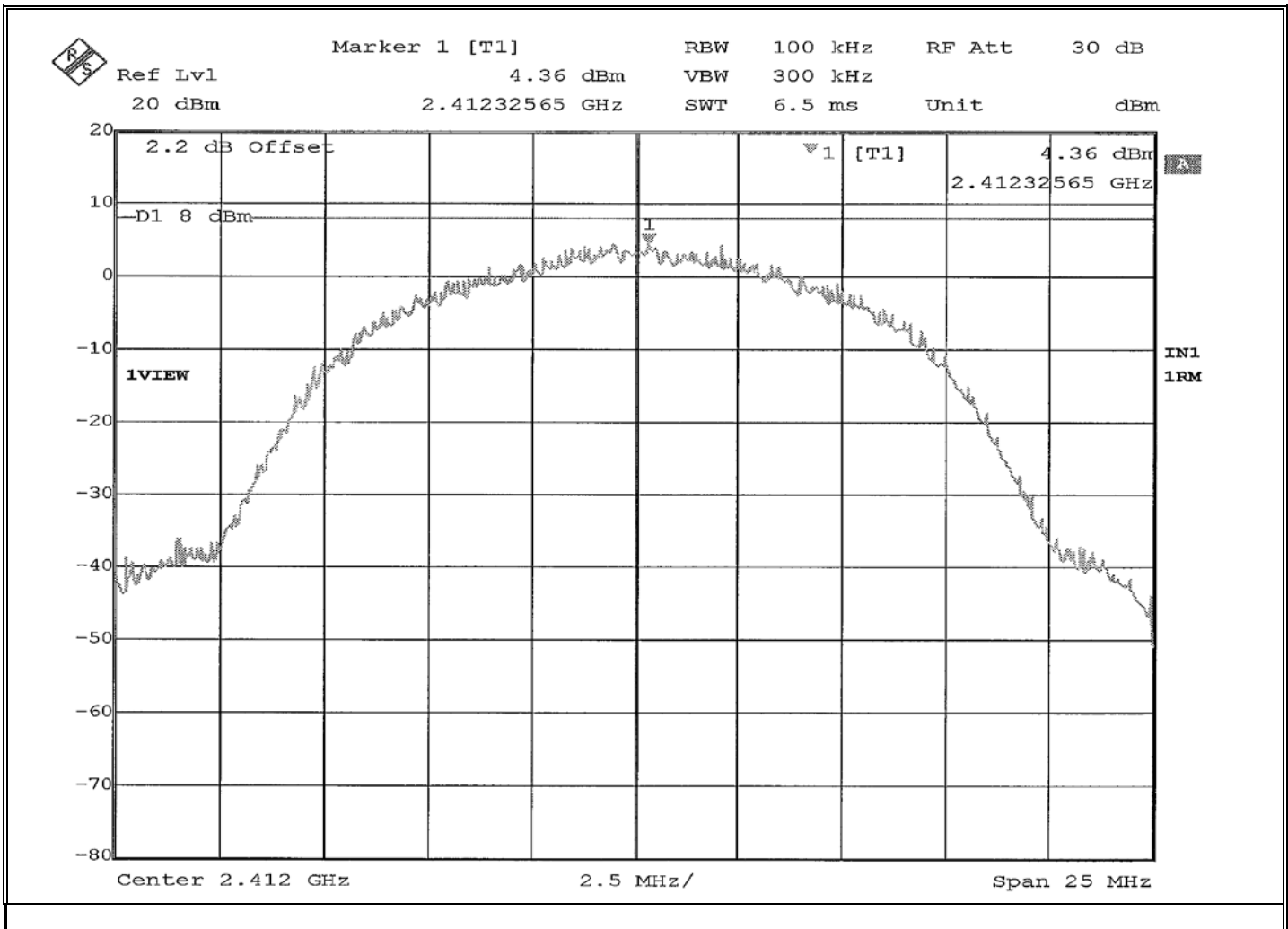


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Power Spectral Density</b>                    |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (e)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 9 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 17.7 °C / 29.0 %                                 |
| <b>Notes:</b>                   | Power Spectral Density: 4.36 dBm                 |

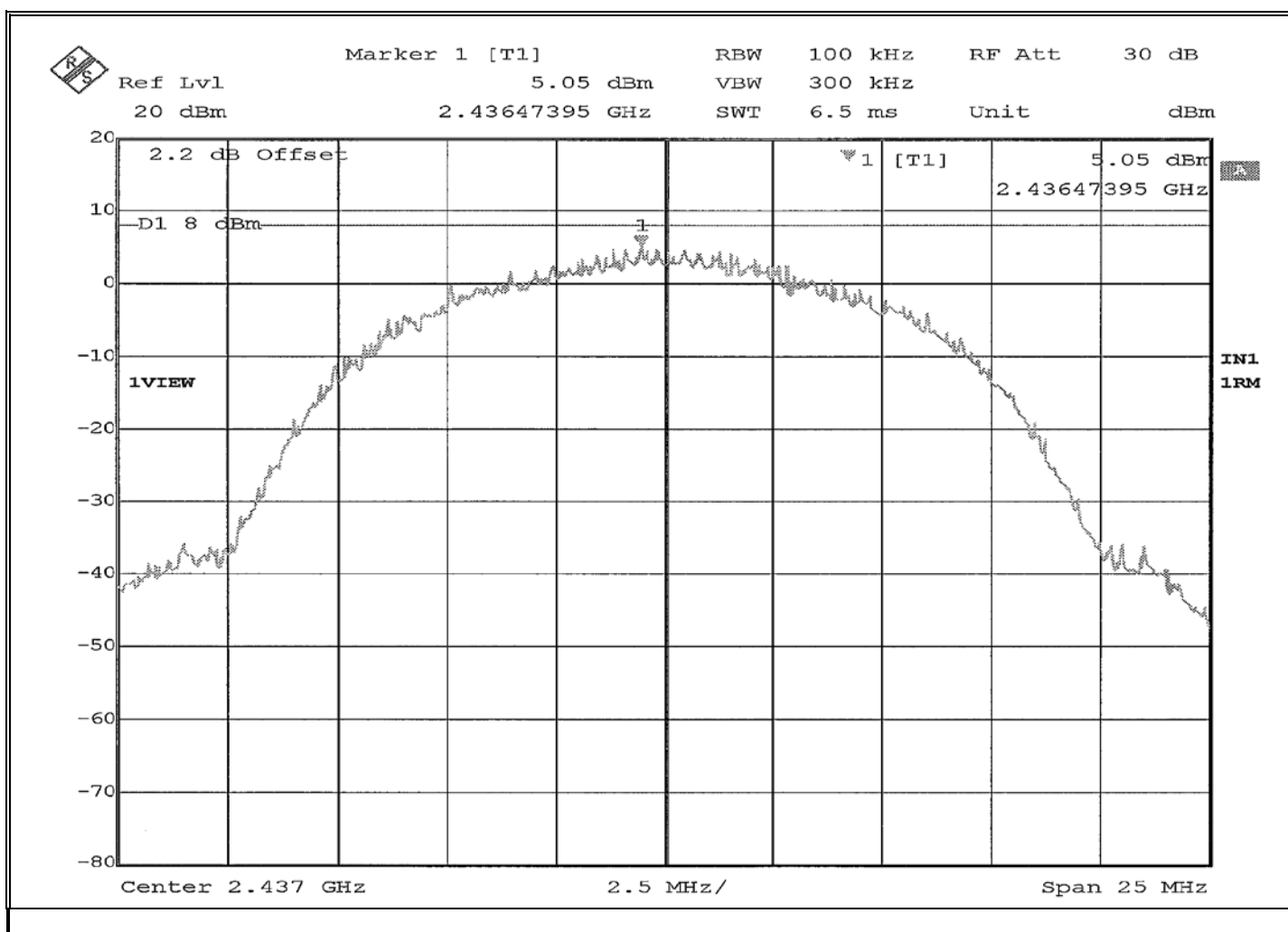


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Power Spectral Density</b>                    |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (e)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 9 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 17.7 °C / 29.0 %                                 |
| <b>Notes:</b>                   | Power Spectral Density: 5.05 dBm                 |

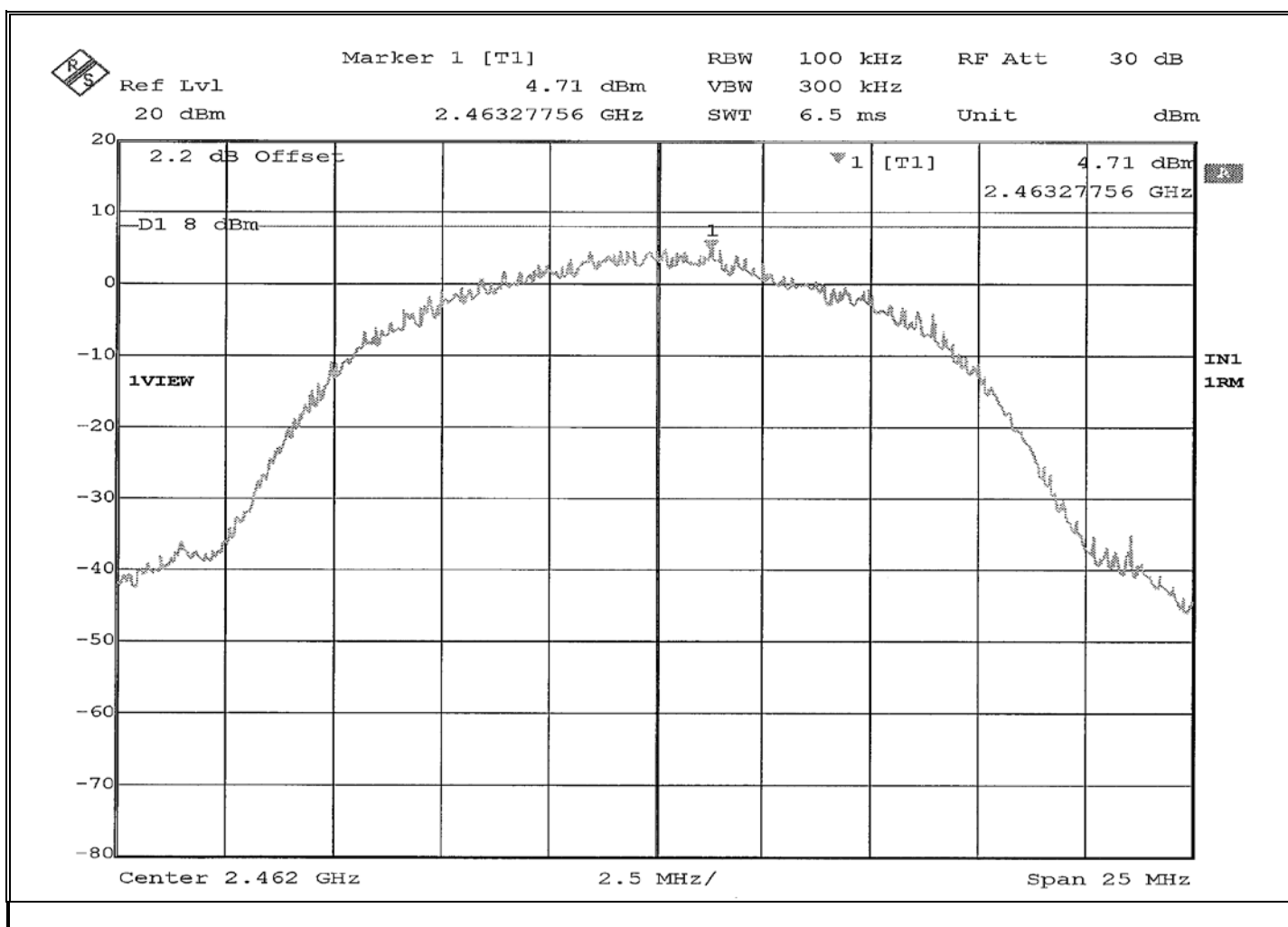


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Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Method:</b>                  | <b>Power Spectral Density</b>                    |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (e)     |
| <b>Job Number:</b>              | R-6502N-3                                        |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                      |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                  |
| <b>Model Number:</b>            | BCM00202U                                        |
| <b>Serial Number:</b>           | 887-000-575                                      |
| <b>Operating Mode:</b>          | Transmitting modulated signal (DSSS) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                       |
| <b>Date(s):</b>                 | March 9 <sup>th</sup> , 2020                     |
| <b>Temp/ Relative Humidity:</b> | 17.7 °C / 29.0 %                                 |
| <b>Notes:</b>                   | Power Spectral Density: 4.71 dBm                 |

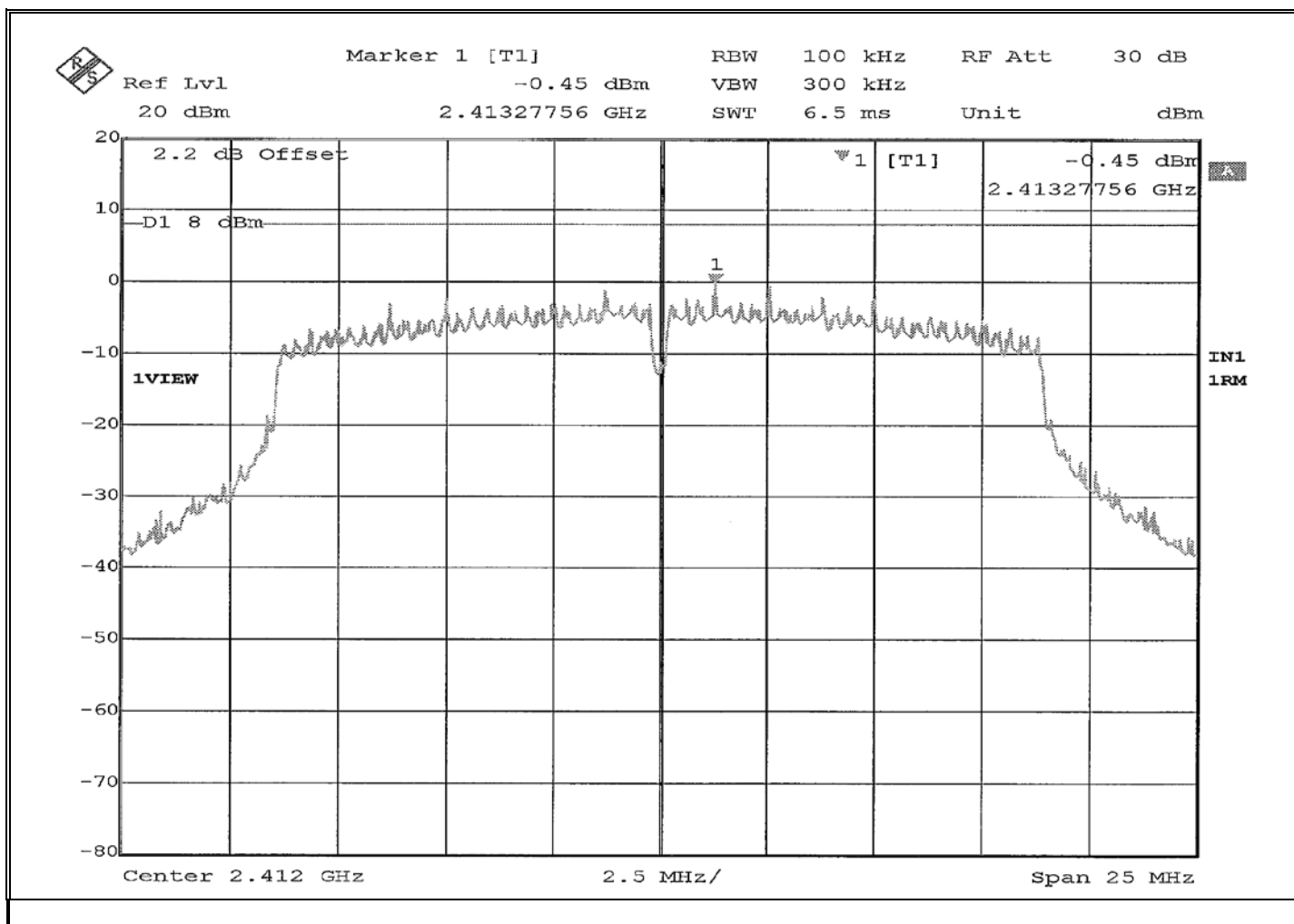


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Power Spectral Density</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (e)      |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2412 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 9 <sup>th</sup> , 2020                      |
| <b>Temp/ Relative Humidity:</b> | 17.7 °C / 29.0 %                                  |
| <b>Notes:</b>                   | Power Spectral Density: -0.45 dBm                 |

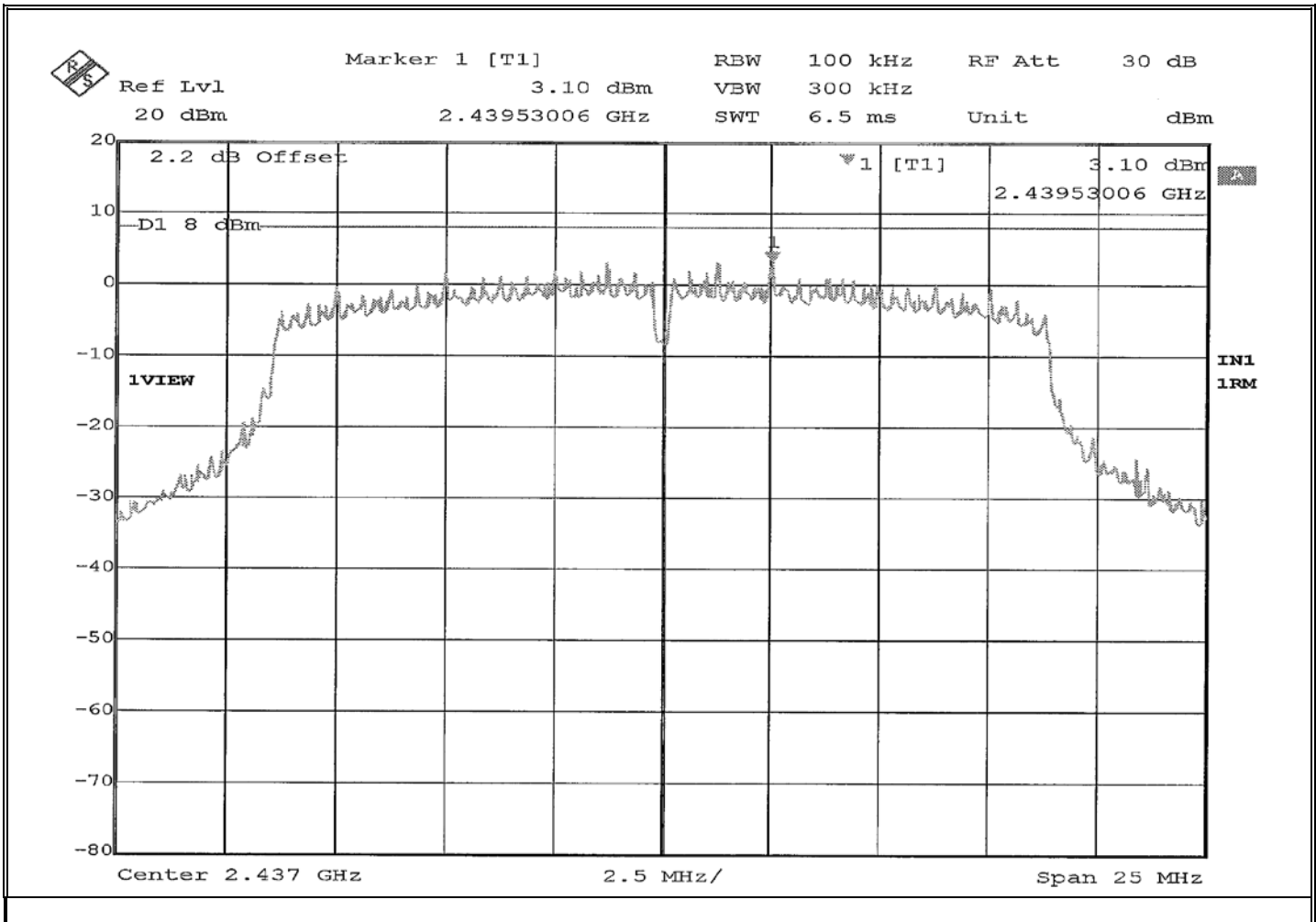


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Power Spectral Density</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (e)      |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2437 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 9 <sup>th</sup> , 2020                      |
| <b>Temp/ Relative Humidity:</b> | 17.7 °C / 29.0 %                                  |
| <b>Notes:</b>                   | Power Spectral Density: 3.10 dBm                  |

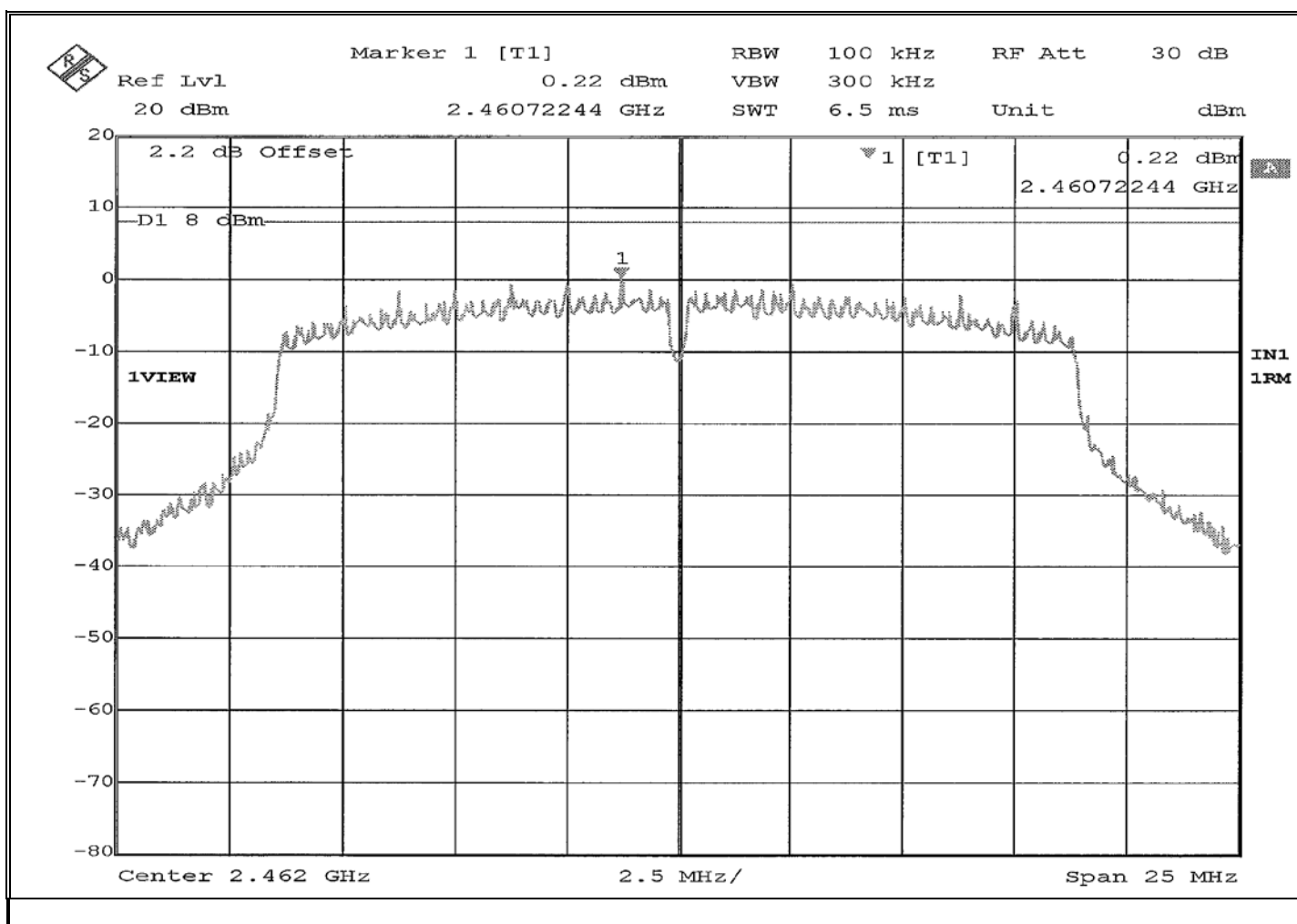


**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Method:</b>                  | <b>Power Spectral Density</b>                     |
| <b>Test Specification:</b>      | FCC Part 15, Subpart C Paragraph: 15.247 (e)      |
| <b>Job Number:</b>              | R-6502N-3                                         |
| <b>Customer:</b>                | Immedia Semiconductor, LLC.                       |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                   |
| <b>Model Number:</b>            | BCM00202U                                         |
| <b>Serial Number:</b>           | 887-000-575                                       |
| <b>Operating Mode:</b>          | Transmitting modulated signal (Non11) at 2462 MHz |
| <b>Technician:</b>              | M. Seamans                                        |
| <b>Date(s):</b>                 | March 9 <sup>th</sup> , 2020                      |
| <b>Temp/ Relative Humidity:</b> | 17.7 °C / 29.0 %                                  |
| <b>Notes:</b>                   | Power Spectral Density: 0.22 dBm                  |



**Retlif Testing Laboratories**

Report No. R-6502N-3

**Test Photographs**  
**Spurious Radiated Emissions, 30 MHz to 25 GHz**



EUT Configuration



**Retlif Testing Laboratories**

Report No. R-6502N-3

**Test Photographs**  
**Spurious Radiated Emissions, 30 MHz to 25 GHz**



Horizontal Polarization, 30 to 200 MHz



Vertical Polarization, 30 to 200 MHz



**Retlif Testing Laboratories**

Report No. R-6502N-3

**Test Photographs**  
**Spurious Radiated Emissions, 30 MHz to 25 GHz**



Horizontal Polarization, 200 MHz to 1 GHz



Vertical Polarization, 200 MHz to 1 GHz



**Retlif Testing Laboratories**

Report No. R-6502N-3

**Test Photographs**  
**Spurious Radiated Emissions, 30 MHz to 25 GHz**



Horizontal Polarization, 1 to 18 GHz



Vertical Polarization, 1 to 18 GHz



**Retlif Testing Laboratories**

Report No. R-6502N-3

**Test Photographs**  
**Spurious Radiated Emissions, 30 MHz to 25 GHz**



Horizontal Polarization, 18 to 25 GHz



Vertical Polarization, 18 to 25 GHz



**Retlif Testing Laboratories**

Report No. R-6502N-3

**FCC Part 15, Subpart B, Section 15.209(a)  
Spurious Radiated Emissions, 30 MHz to 25 GHz  
Test Data**



**Retlif Testing Laboratories**

Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                           |                                                    |                         |
|---------------------------|----------------------------------------------------|-------------------------|
| <b>Test Method</b>        | Unwanted Emissions into Restricted Frequency Bands |                         |
| <b>Customer</b>           | Immedia Semiconductor, LLC.                        |                         |
| <b>Job Number</b>         | R-6502N-3                                          |                         |
| <b>Test Sample</b>        | Outdoor XT2 Blink Camera Module                    |                         |
| <b>Model Number</b>       | BCM00202U                                          |                         |
| <b>Serial Number</b>      | 807-000-302                                        |                         |
| <b>Test Specification</b> | FCC Part 15 Subpart C                              | Paragraph:<br>15.247(d) |
| <b>Operating Mode</b>     | Streaming video to laptop                          |                         |
| <b>Technician</b>         | M. Seamans                                         |                         |
| <b>Date</b>               | March 12 <sup>th</sup> , 2020                      |                         |

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

## TEST PARAMETERS

| Restricted Band | Measured Frequency | Meter Reading | Correction Factor | Corrected Reading |   | Converted Reading | Limit at 3M |
|-----------------|--------------------|---------------|-------------------|-------------------|---|-------------------|-------------|
| MHz             | MHz                | dBuV          | dB                | dBuV/m            |   | uV/m              | uV/m        |
| 37.50           | -                  | -             | -                 | -                 |   | -                 | 100.00      |
|                 | 38.00              | 6.75          | 12.35             | 19.10             | * | 9.02              |             |
| 38.25           | -                  | -             | -                 | -                 |   | -                 | 100.00      |
|                 |                    |               |                   |                   |   |                   |             |
| 73.00           | -                  | -             | -                 | -                 |   | -                 | 100.00      |
|                 | 74.00              | 11.47         | 8.63              | 20.10             | * | 10.12             |             |
| 74.60           | -                  | -             | -                 | -                 |   | -                 | 100.00      |
|                 |                    |               |                   |                   |   |                   |             |
| 74.80           | -                  | -             | -                 | -                 |   | -                 | 100.00      |
|                 | 75.00              | 8.41          | 8.60              | 17.00             | * | 7.08              |             |
| 75.20           | -                  | -             | -                 | -                 |   | -                 | 100.00      |
|                 |                    |               |                   |                   |   |                   |             |
| 108.00          | -                  | -             | -                 | -                 |   | -                 | 150.00      |
|                 | 115.00             | 7.44          | 14.56             | 22.00             | * | 12.59             |             |
|                 | -                  | -             | -                 | -                 |   | -                 |             |
| 121.94          | -                  | -             | -                 | -                 |   | -                 | 150.00      |
|                 |                    |               |                   |                   |   |                   |             |
| 123.00          | -                  | -             | -                 | -                 |   | -                 | 150.00      |
|                 | 130.00             | 6.83          | 14.67             | 21.50             | * | 11.89             |             |
|                 | -                  | -             | -                 | -                 |   | -                 |             |
| 138.00          | -                  | -             | -                 | -                 |   | -                 | 150.00      |
|                 |                    |               |                   |                   |   |                   |             |

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).



**Retlif Testing Laboratories**

Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                           |                                                    |                         |
|---------------------------|----------------------------------------------------|-------------------------|
| <b>Test Method</b>        | Unwanted Emissions into Restricted Frequency Bands |                         |
| <b>Customer</b>           | Immedia Semiconductor, LLC.                        |                         |
| <b>Job Number</b>         | R-6502N-3                                          |                         |
| <b>Test Sample</b>        | Outdoor XT2 Blink Camera Module                    |                         |
| <b>Model Number</b>       | BCM00202U                                          |                         |
| <b>Serial Number</b>      | 807-000-302                                        |                         |
| <b>Test Specification</b> | FCC Part 15 Subpart C                              | Paragraph:<br>15.247(d) |
| <b>Operating Mode</b>     | Streaming video to laptop                          |                         |
| <b>Technician</b>         | M. Seamans                                         |                         |
| <b>Date</b>               | March 12 <sup>th</sup> , 2020                      |                         |

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

## TEST PARAMETERS

| Restricted Band | Measured Frequency | Meter Reading | Correction Factor | Corrected Reading |   |  | Converted Reading | Limit at 3M |
|-----------------|--------------------|---------------|-------------------|-------------------|---|--|-------------------|-------------|
| MHz             | MHz                | dBuV          | dB                | dBuV/m            |   |  | uV/m              | uV/m        |
| 149.90          | -                  | -             | -                 | -                 |   |  | -                 | 150.00      |
|                 | 150.00             | 8.33          | 14.37             | 22.70             | * |  | 13.65             |             |
| 150.05          | -                  | -             | -                 | -                 |   |  | -                 | 150.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 156.52          | -                  | -             | -                 | -                 |   |  | -                 | 150.00      |
|                 | 156.52             | 8.53          | 15.27             | 23.80             | * |  | 15.49             |             |
| 156.52          | -                  | -             | -                 | -                 |   |  | -                 | 150.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 156.70          | -                  | -             | -                 | -                 |   |  | -                 | 150.00      |
|                 | 156.80             | 8.59          | 15.31             | 23.90             | * |  | 15.67             |             |
| 156.90          | -                  | -             | -                 | -                 |   |  | -                 | 150.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 162.01          | -                  | -             | -                 | -                 |   |  | -                 | 150.00      |
|                 | 165.00             | 8.70          | 16.50             | 25.20             | * |  | 18.20             |             |
| 167.17          | -                  | -             | -                 | -                 |   |  | -                 | 150.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 167.72          | -                  | -             | -                 | -                 |   |  | -                 | 150.00      |
|                 | 170.00             | 8.54          | 17.26             | 25.80             | * |  | 19.50             |             |
| 173.20          | -                  | -             | -                 | -                 |   |  | -                 | 150.00      |
|                 |                    |               |                   |                   |   |  |                   |             |

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).



**Retlif Testing Laboratories**

Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                           |                                                    |                         |
|---------------------------|----------------------------------------------------|-------------------------|
| <b>Test Method</b>        | Unwanted Emissions into Restricted Frequency Bands |                         |
| <b>Customer</b>           | Immedia Semiconductor, LLC.                        |                         |
| <b>Job Number</b>         | R-6502N-3                                          |                         |
| <b>Test Sample</b>        | Outdoor XT2 Blink Camera Module                    |                         |
| <b>Model Number</b>       | BCM00202U                                          |                         |
| <b>Serial Number</b>      | 807-000-302                                        |                         |
| <b>Test Specification</b> | FCC Part 15 Subpart C                              | Paragraph:<br>15.247(d) |
| <b>Operating Mode</b>     | Streaming video to laptop                          |                         |
| <b>Technician</b>         | M. Seamans                                         |                         |
| <b>Date</b>               | March 12 <sup>th</sup> , 2020                      |                         |

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

## TEST PARAMETERS

| Restricted Band | Measured Frequency | Meter Reading | Correction Factor | Corrected Reading |   | Converted Reading | Limit at 3M |
|-----------------|--------------------|---------------|-------------------|-------------------|---|-------------------|-------------|
| MHz             | MHz                | dBuV          | dB                | dBuV/m            |   | uV/m              | uV/m        |
| 240.00          | -                  | -             | -                 | -                 |   | -                 | 200.00      |
|                 | 260.00             | 6.65          | 15.42             | 21.90             | * | 12.45             |             |
| 285.00          | -                  | -             | -                 | -                 |   | -                 | 200.00      |
| 322.80          | -                  | -             | -                 | -                 |   | -                 | 200.00      |
|                 | 330.00             | 6.43          | 17.63             | 23.90             | * | 15.67             |             |
| 335.40          | -                  | -             | -                 | -                 |   | -                 | 200.00      |
| 399.90          | -                  | -             | -                 | -                 |   | -                 | 200.00      |
|                 | 405.00             | 6.78          | 19.20             | 26.00             | * | 19.95             |             |
| 410.00          | -                  | -             | -                 | -                 |   | -                 | 200.00      |
| 608.00          | -                  | -             | -                 | -                 |   | -                 | 200.00      |
|                 | 611.00             | 7.41          | 23.65             | 30.90             | * | 35.08             |             |
| 614.00          | -                  | -             | -                 | -                 |   | -                 | 200.00      |
| 960.00          | -                  | -             | -                 | -                 |   | -                 | 500.00      |
|                 | 975.00             | 8.39          | 29.83             | 38.10             | * | 80.35             |             |
| 1240.00         | -                  | -             | -                 | -                 |   | -                 | 500.00      |
| 1300.00         | -                  | -             | -                 | -                 |   | -                 | 500.00      |
|                 | 1350.00            | 33.21         | -3.49             | 29.72             | * | 30.62             |             |
| 1427.00         | -                  | -             | -                 | -                 |   | -                 | 500.00      |

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).



**Retlif Testing Laboratories**

Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                           |                                                    |                         |
|---------------------------|----------------------------------------------------|-------------------------|
| <b>Test Method</b>        | Unwanted Emissions into Restricted Frequency Bands |                         |
| <b>Customer</b>           | Immedia Semiconductor, LLC.                        |                         |
| <b>Job Number</b>         | R-6502N-3                                          |                         |
| <b>Test Sample</b>        | Outdoor XT2 Blink Camera Module                    |                         |
| <b>Model Number</b>       | BCM00202U                                          |                         |
| <b>Serial Number</b>      | 807-000-302                                        |                         |
| <b>Test Specification</b> | FCC Part 15 Subpart C                              | Paragraph:<br>15.247(d) |
| <b>Operating Mode</b>     | Streaming video to laptop                          |                         |
| <b>Technician</b>         | M. Seamans                                         |                         |
| <b>Date</b>               | March 12 <sup>th</sup> , 2020                      |                         |

**Notes:** Antenna Test Distance: 3 meters

Detector: Quasi-Peak <1GHz, Average >1GHz

## TEST PARAMETERS

| Restricted Band | Measured Frequency | Meter Reading | Correction Factor | Corrected Reading |   |  | Converted Reading | Limit at 3M |
|-----------------|--------------------|---------------|-------------------|-------------------|---|--|-------------------|-------------|
| MHz             | MHz                | dBuV          | dB                | dBuV/m            |   |  | uV/m              | uV/m        |
| 1435.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 1500.00            | 33.24         | -2.71             | 30.53             | * |  | 33.61             |             |
| 1646.50         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 1660.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 1680.00            | 32.67         | -1.87             | 30.80             | * |  | 34.67             |             |
| 1710.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 1718.80         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 1720.00            | 32.75         | -1.70             | 31.05             | * |  | 35.69             |             |
| 1722.20         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 2200.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 2250.00            | 32.34         | -0.02             | 32.32             | * |  | 41.30             |             |
| 2300.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 2310.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 2390.00            | 39.60         | 0.21              | 39.81             |   |  | 97.84             |             |
| 2390.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 2483.50         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 2483.50            | 49.86         | 0.47              | 50.33             |   |  | 328.47            |             |
| 2500.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |

EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).



**Retlif Testing Laboratories**

Report No. R-6502N-3

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                           |                                                    |                         |
|---------------------------|----------------------------------------------------|-------------------------|
| <b>Test Method</b>        | Unwanted Emissions into Restricted Frequency Bands |                         |
| <b>Customer</b>           | Immedia Semiconductor, LLC.                        |                         |
| <b>Job Number</b>         | R-6502N-3                                          |                         |
| <b>Test Sample</b>        | Outdoor XT2 Blink Camera Module                    |                         |
| <b>Model Number</b>       | BCM00202U                                          |                         |
| <b>Serial Number</b>      | 807-000-302                                        |                         |
| <b>Test Specification</b> | FCC Part 15 Subpart C                              | Paragraph:<br>15.247(d) |
| <b>Operating Mode</b>     | Streaming video to laptop                          |                         |
| <b>Technician</b>         | M. Seamans                                         |                         |
| <b>Date</b>               | March 12 <sup>th</sup> , 2020                      |                         |

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

## TEST PARAMETERS

| Restricted Band | Measured Frequency | Meter Reading | Correction Factor | Corrected Reading |   |  | Converted Reading | Limit at 3M |
|-----------------|--------------------|---------------|-------------------|-------------------|---|--|-------------------|-------------|
| MHz             | MHz                | dBuV          | dB                | dBuV/m            |   |  | uV/m              | uV/m        |
| 2690.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | -                  | -             | -                 | -                 |   |  | -                 |             |
|                 | 2750.00            | 32.28         | 0.94              | 33.22             | * |  | 45.81             |             |
|                 | -                  | -             | -                 | -                 |   |  | -                 |             |
| 2900.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 3260.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 3263.00            | 32.39         | 1.91              | 34.30             | * |  | 51.88             |             |
| 3267.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 3332.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 3336.00            | 32.23         | 2.05              | 34.28             | * |  | 51.76             |             |
| 3339.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 3345.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 3350.00            | 32.34         | 2.08              | 34.42             | * |  | 52.60             |             |
| 3358.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 3600.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | -                  | -             | -                 | -                 |   |  | -                 |             |
|                 | 3700.00            | 31.78         | 2.73              | 34.56             | * |  | 53.46             |             |
|                 | -                  | -             | -                 | -                 |   |  | -                 |             |

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).



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# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                           |                                                    |                         |
|---------------------------|----------------------------------------------------|-------------------------|
| <b>Test Method</b>        | Unwanted Emissions into Restricted Frequency Bands |                         |
| <b>Customer</b>           | Immedia Semiconductor, LLC.                        |                         |
| <b>Job Number</b>         | R-6502N-3                                          |                         |
| <b>Test Sample</b>        | Outdoor XT2 Blink Camera Module                    |                         |
| <b>Model Number</b>       | BCM00202U                                          |                         |
| <b>Serial Number</b>      | 807-000-302                                        |                         |
| <b>Test Specification</b> | FCC Part 15 Subpart C                              | Paragraph:<br>15.247(d) |
| <b>Operating Mode</b>     | Streaming video to laptop                          |                         |
| <b>Technician</b>         | M. Seamans                                         |                         |
| <b>Date</b>               | March 12 <sup>th</sup> , 2020                      |                         |

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

## TEST PARAMETERS

| Restricted Band<br>MHz | Measured Frequency<br>MHz | Meter Reading<br>dBuV | Correction Factor<br>dB | Corrected Reading<br>dBuV/m |   | Converted Reading<br>uV/m | Limit at 3M<br>uV/m |
|------------------------|---------------------------|-----------------------|-------------------------|-----------------------------|---|---------------------------|---------------------|
|                        | -                         | -                     | -                       | -                           |   | -                         |                     |
| 4400.00                | -                         | -                     | -                       | -                           |   | -                         | 500.00              |
|                        |                           |                       |                         |                             |   |                           |                     |
| 4500.00                | -                         | -                     | -                       | -                           |   | -                         | 500.00              |
|                        | 4837.00                   | 45.20                 | 4.42                    | 49.62                       |   | 302.69                    |                     |
| 5150.00                | -                         | -                     | -                       | -                           |   | -                         | 500.00              |
|                        |                           |                       |                         |                             |   |                           |                     |
| 5350.00                | -                         | -                     | -                       | -                           |   | -                         | 500.00              |
|                        | 5400.00                   | 31.45                 | 5.23                    | 36.68                       | * | 68.23                     |                     |
| 5460.00                | -                         | -                     | -                       | -                           |   | -                         | 500.00              |
|                        |                           |                       |                         |                             |   |                           |                     |
| 7250.00                | -                         | -                     | -                       | -                           |   | -                         | 500.00              |
|                        | 7440.00                   | 32.74                 | 7.37                    | 40.11                       | * | 101.27                    |                     |
| 7750.00                | -                         | -                     | -                       | -                           |   | -                         | 500.00              |
|                        |                           |                       |                         |                             |   |                           |                     |
| 8025.00                | -                         | -                     | -                       | -                           |   | -                         | 500.00              |
|                        | 8300.00                   | 32.81                 | 7.71                    | 40.52                       | * | 106.17                    |                     |
| 8500.00                | -                         | -                     | -                       | -                           |   | -                         | 500.00              |
|                        |                           |                       |                         |                             |   |                           |                     |
| 9000.00                | -                         | -                     | -                       | -                           |   | -                         | 500.00              |
|                        | 9100.00                   | 33.02                 | 8.38                    | 41.40                       | * | 117.49                    |                     |
| 9200.00                | -                         | -                     | -                       | -                           |   | -                         | 500.00              |
|                        |                           |                       |                         |                             |   |                           |                     |

EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).



**Retlif Testing Laboratories**

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# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

|                           |                                                    |                         |
|---------------------------|----------------------------------------------------|-------------------------|
| <b>Test Method</b>        | Unwanted Emissions into Restricted Frequency Bands |                         |
| <b>Customer</b>           | Immedia Semiconductor, LLC.                        |                         |
| <b>Job Number</b>         | R-6502N-3                                          |                         |
| <b>Test Sample</b>        | Outdoor XT2 Blink Camera Module                    |                         |
| <b>Model Number</b>       | BCM00202U                                          |                         |
| <b>Serial Number</b>      | 807-000-302                                        |                         |
| <b>Test Specification</b> | FCC Part 15 Subpart C                              | Paragraph:<br>15.247(d) |
| <b>Operating Mode</b>     | Streaming video to laptop                          |                         |
| <b>Technician</b>         | M. Seamans                                         |                         |
| <b>Date</b>               | March 12 <sup>th</sup> , 2020                      |                         |

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

## TEST PARAMETERS

| Restricted Band | Measured Frequency | Meter Reading | Correction Factor | Corrected Reading |   |  | Converted Reading | Limit at 3M |
|-----------------|--------------------|---------------|-------------------|-------------------|---|--|-------------------|-------------|
| MHz             | MHz                | dBuV          | dB                | dBuV/m            |   |  | uV/m              | uV/m        |
| 9300.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 9400.00            | 33.14         | 8.87              | 42.01             | * |  | 126.04            |             |
| 9500.00         | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 10600.00        | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 12200.00           | 33.63         | 13.53             | 47.16             | * |  | 228.03            |             |
| 12700.00        | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 13250.00        | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 13300.00           | 33.58         | 15.07             | 48.65             | * |  | 270.71            |             |
| 13400.00        | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 14470.00        | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 14490.00           | 34.13         | 15.37             | 49.50             | * |  | 298.54            |             |
| 14500.00        | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 15350.00        | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 15800.00           | 34.60         | 16.33             | 50.93             | * |  | 351.97            |             |
| 16200.00        | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 |                    |               |                   |                   |   |  |                   |             |
| 17700.00        | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |
|                 | 19240.00           | 33.75         | -4.05             | 29.70             | * |  | 30.55             |             |
| 21400.00        | -                  | -             | -                 | -                 |   |  | -                 | 500.00      |

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).



**Retlif Testing Laboratories**

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# RETLIF TESTING LABORATORIES

# EMISSIONS TEST DATA SHEET

|                           |                                                    |                         |
|---------------------------|----------------------------------------------------|-------------------------|
| <b>Test Method</b>        | Unwanted Emissions into Restricted Frequency Bands |                         |
| <b>Customer</b>           | Immedia Semiconductor, LLC.                        |                         |
| <b>Job Number</b>         | R-6502N-3                                          |                         |
| <b>Test Sample</b>        | Outdoor XT2 Blink Camera Module                    |                         |
| <b>Model Number</b>       | BCM00202U                                          |                         |
| <b>Serial Number</b>      | 807-000-302                                        |                         |
| <b>Test Specification</b> | FCC Part 15 Subpart C                              | Paragraph:<br>15.247(d) |
| <b>Operating Mode</b>     | Streaming video to laptop                          |                         |
| <b>Technician</b>         | M. Seamans                                         |                         |
| <b>Date</b>               | March 12 <sup>th</sup> , 2020                      |                         |

**Notes:** Antenna Test Distance: 3 meters      Detector: Quasi-Peak <1GHz, Average >1GHz

## TEST PARAMETERS

[illegible]

No EUT emissions within 10 dB of the specified test limit were observed at the specified test distance throughout the given frequency spectrum. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).



## Retlif Testing Laboratories

Report No. R-6502N-3

**Test Photographs**  
**Conducted Emissions, Power Leads, 150 kHz to 30 MHz**



EUT Configuration



Test Setup



**Retlif Testing Laboratories**

Report No. R-6502N-3

**FCC Part 15, Subpart B, Section 15.207(a)  
Conducted Emissions, Power Leads, 150 kHz to 30 MHz  
Test Data**



**Retlif Testing Laboratories**

Report No. R-6502N-3

## EMISSIONS TEST DATA SHEET

|                                 |                                                                       |
|---------------------------------|-----------------------------------------------------------------------|
| <b>Test Specification:</b>      | FCC Part 15, Subpart B, Section 15.207(a), Conducted Emissions        |
| <b>Method:</b>                  | ANSI C63.4, Section 7., AC power-line conducted emission measurements |
| <b>Job Number/Customer:</b>     | R-6502N-3 / Immedia Semiconductor, LLC.                               |
| <b>Test Sample:</b>             | Outdoor XT2 Blink Camera Module                                       |
| <b>Model Number:</b>            | BCM00202U                                                             |
| <b>Serial Number:</b>           | 887-000-575                                                           |
| <b>Operating Mode:</b>          | Streaming video to laptop                                             |
| <b>Technician:</b>              | M. Seamans                                                            |
| <b>Date(s):</b>                 | March 12 <sup>th</sup> , 2020                                         |
| <b>Temp/ Relative Humidity:</b> | 21.9 °C / 25.0 %                                                      |
| <b>Lead Tested:</b>             | 120 VAC 60 Hz                                                         |

| Frequency | Lead Tested | Peak Meter Reading | Quasi-Peak Meter Reading | Average Meter Reading | Quasi-Peak Limit | Average Limit |
|-----------|-------------|--------------------|--------------------------|-----------------------|------------------|---------------|
| MHz       |             | dBuV               | dBuV                     | dBuV                  | dBuV             | dBuV          |
| 0.150     | Hot         | 50.34              | 36.10                    | 21.50                 | 66.00            | 56.00         |
| 0.153     | Neutral     | 49.37              | 36.80                    | 20.20                 | 65.84            | 55.84         |
| 0.319     | Hot         | 41.20              | 26.50                    | 16.00                 | 59.73            | 49.73         |
| 0.474     | Neutral     | 36.95              | 25.10                    | 13.50                 | 56.44            | 46.44         |
| 0.456     | Hot         | 40.04              | 36.40                    | 30.60                 | 56.77            | 46.77         |
| 0.548     | Neutral     | 36.35              | 21.10                    | 13.10                 | 56               | 46            |
| 0.590     | Hot         | 36.95              | 21.60                    | 15.10                 | 56               | 46            |
| 1.054     | Neutral     | 32.59              | 18.20                    | 9.00                  | 56               | 46            |
| 0.648     | Hot         | 35.85              | 21.30                    | 14.70                 | 56               | 46            |
| 1.729     | Neutral     | 28.39              | 15.90                    | 8.50                  | 56               | 46            |
| 5.396     | Hot         | 31.28              | 19.70                    | 11.00                 | 60               | 50            |
| 5.090     | Neutral     | 32.24              | 22.90                    | 10.70                 | 60               | 50            |

The frequency range was scanned from 0.15 MHz to 30 MHz.

The six highest emissions relative to the limit are presented.

**The emissions observed from the EUT do not exceed the specified limits.**



**Retlif Testing Laboratories**

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