



**RETLIF  
TESTING  
LABORATORIES**

Put Us To The Test™

101 New Boston Road  
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## FCC Part 15, Subpart C, Section 15.247

### Test Report

On

Blink Camera

FCC ID: 2AF77-BCM00100U

**Customer Name:** Immedia Semiconductor

**Customer P.O.:** H109215-1A2

**Date of Report Revision:** November 20, 2015

**Test Report No:** R-6022N-2, Rev. A

**Test Start Date:** October 2, 2015

**Test Finish Date:** October 6, 2015

**Test Technician:** M. Seamans

**Revision Approved By:** S. Wentworth

**Report Revision Prepared By:** J. Ramsey

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### Technical Information

**Report Number:** R-6022N-2, Rev. A

**Customer:** Immedia Semiconductor

**Address:** 100 Burt Road, Suite 100  
Andover, MA 01810

**Manufacturer:** Immedia Semiconductor

**Manufacturer Address:** 100 Burt Road, Suite 100  
Andover, MA 01810

**Test Sample:** Blink Camera (Wifi Connected Home Security Camera)

**Model Number:** BCM00100U

**FCC ID:** 2AF77-BCM00100U

**Type:** Frequency Hopping Spread Spectrum Transmitter

**Power Requirements:** 5VDC Via 120 VAC, 60 Hz AC/DC Power Adapter

**Power Supply:** AC Adapter, Flypower, Model PS06B050K1000UU

**Frequency of Operation:** 902.3 MHz to 927.2 MHz

**Equipment Class:** DSS

**Antenna Type:** Internal PCB Antenna – 1.5 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 C63.4:2009



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Report No. R-6022N-2, Rev. A

**Test Facility:**

Retlif Testing Laboratories  
101 New Boston Road  
Goffstown, NH 03045

FCC Registered Test Site Number: 90899

Table 1 – Tests Performed

<b>FCC Part 15, Subpart C</b>	<b>Test Method</b>
15.247(a)(1)	Channel Separation
15.247(a)(1)	20 dB Bandwidth
15.247(a)(1)(i)	Number of Channels and Occupancy Time
15.247(b)(1) and (4)	Peak Conducted Output Power
15.247(d)	Spurious Emissions, 30 MHz to 10 GHz
15.247(a)/15.209(a)	Field Strength of Spurious Emissions
15.207(a)	Conducted Emissions, Power Leads, 150 kHz to 30 MHz

Table 2 – Support Equipment

<b>Description</b>	<b>Manufacturer</b>	<b>Part Number</b>	<b>Model Number</b>	<b>Serial Number</b>
Laptop PC	Toshiba	N/A	Satellite P55-A	00179-60817-80261-AAOEM



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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.



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Scott Wentworth  
Branch Manager  
NVLAP Approved Signatory

### 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 test report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.



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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
-	November 9, 2015	Original Release
A	November 20, 2015	Global Changes: <ul style="list-style-type: none"><li>• Revised document from R-6022N-2 to R-6022N-2, Rev. A</li><li>• Removed all references and information regarding Industry Canada testing</li></ul> 11: <ul style="list-style-type: none"><li>• Added calculations</li></ul>



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## **Requirements and Test Results**

### **Requirement:**

#### **FCC Section 15.247 (a)(1)**

#### **Channel Separation and 20 dB Bandwidth**

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

- **Results:**

The carrier frequencies were separated by 399.79 kHz which exceeded the maximum 20 dB bandwidth of 388.78 kHz which complies with the requirements specified above.



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## **Requirements and Test Results (con't)**

### **FCC Section 15.247 (a)(1)(i)**

#### **Number of Channels and Occupancy Time**

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

- **Results:**

The number of hopping frequencies used was 64 and the average time of occupancy was 360.72msec which complied with the above requirements.



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## **Requirements and Test Results (con't)**

### **FCC Section 15.247 (b)(1) and (4) Peak Conducted Output Power**

(1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

(4) The conducted output power limit specified in Paragraph (b) of Section 15.247 is based on the use of antenna with directional gains that do not exceed 6 dBi. Except as shown in Paragraph (c) of Section 15.247, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in Paragraph (b)(1), (b)(2) and (b)(3) of Section 15.247, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

- **Results:**

The frequency hopping system utilizes a transmitting antenna with a gain of 1.5 dBi. The maximum peak conducted output power was measured to be 16.37 milliwatts.



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## **Requirements and Test Results (con't)**

### **FCC Section 15.247 (d) Spurious Emissions**

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 Section 15.247, 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 emission limits specified in Section 15.209(a) (see Section 15.205(c)).

- **Results:**

The antenna port conducted spurious emissions comply with the requirement that the radio frequency power be at least 20 dB below the highest in band level.

In addition, Harmonic and Spurious Emissions which were found to be within the restricted bands of operation, as defined in section 15.205 (a) were found to be in compliance with the general limits specified in section 15.209 (a).



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## **Requirements and Test Results (con't)**

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

#### **Field Strength of Spurious Radiation**

Operation under the provisions of Section 15.247 is limited to frequency hopping and digitally modulated intentional radiators that comply with the provisions stated in Section 15.247(a)(1).

### **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 3.

Table 3 - Radiated Emission Limits

<b>Frequency of Emission (MHz)</b>	<b>Field Strength (microvolts/meter)</b>	<b>Measurement Distance (meters)</b>
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 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.

$$S = \frac{PG}{4\pi D^2}$$

D = Minimum Separation Distance in cm

S = Max allowed Power Density in mW/cm<sup>2</sup>

Per 1.1310 For the Frequency of 928 MHz  $S = 928 / 1500 = 0.618 \text{ mW/cm}^2$

Power = Max Power Input to Antenna = 16.37 mW

Gain = Max Power Gain of Antenna = 1.5 dBi = 1.41 numeric

$$0.618 \text{ mW/cm}^2 = \frac{16.37 \times 1.41}{4\pi D^2} = \frac{23.08}{12.56 D^2}$$

$$D^2 = \frac{23.08}{12.56 \times 0.618}$$

$$D = \sqrt{2.97} = 1.7 \text{ cm}$$

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



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**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 4, 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 4 - 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 4.

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## Equipment List

### FCC Section 15.247(a)(1) Channel Separation

EN	Manufacturer	Description	Range	Model No.	Cal Date	Due Date
5070	ROHDE & SCHWARZ	RECEIVER, EMI	20 Hz - 40 GHz	ESIB40	10/29/2014	10/31/2016
5137	NARDA MICROWAVE	ATTENUATOR, COAXIAL	10 dB, DC - 11 GHz, 20 W	768-10	10/28/2014	10/31/2015

### FCC Section 15.247(a)(1) 20 dB Bandwidth

EN	Manufacturer	Description	Range	Model No.	Cal Date	Due Date
5070	ROHDE & SCHWARZ	RECEIVER, EMI	20 Hz - 40 GHz	ESIB40	10/29/2014	10/31/2016
5137	NARDA MICROWAVE	ATTENUATOR, COAXIAL	10 dB, DC - 11 GHz, 20 W	768-10	10/28/2014	10/31/2015

### FCC Section 15.247 (a)(1) (iii) Number of Channels and Occupancy Time

EN	Manufacturer	Description	Range	Model No.	Cal Date	Due Date
5070	ROHDE & SCHWARZ	RECEIVER, EMI	20 Hz - 40 GHz	ESIB40	10/29/2014	10/31/2016
5137	NARDA MICROWAVE	ATTENUATOR, COAXIAL	10 dB, DC - 11 GHz, 20 W	768-10	10/28/2014	10/31/2015

### FCC Section 15.247 (a)(1) Peak Conducted Output Power

EN	Manufacturer	Description	Range	Model No.	Cal Date	Due Date
5070	ROHDE & SCHWARZ	RECEIVER, EMI	20 Hz - 40 GHz	ESIB40	10/29/2014	10/31/2016
5137	NARDA MICROWAVE	ATTENUATOR, COAXIAL	10 dB, DC - 11 GHz, 20 W	768-10	10/28/2014	10/31/2015

### FCC Section 15.247 (d) Conducted Spurious Emissions, 30 MHz to 10 GHz

EN	Manufacturer	Description	Range	Model No.	Cal Date	Due Date
5070	ROHDE & SCHWARZ	RECEIVER, EMI	20 Hz - 40 GHz	ESIB40	10/29/2014	10/31/2016
5137	NARDA MICROWAVE	ATTENUATOR, COAXIAL	10 dB, DC - 11 GHz, 20 W	768-10	10/28/2014	10/31/2015



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**FCC Section 15.247 (a) / 15.209(a)  
Field Strength of Spurious Radiated Emissions**

EN	Manufacturer	Description	Range	Model No.	Cal Date	Due Date
1232	AGILENT / HP	PRE-AMPLIFIER	1 - 26.5 GHz	8449B	6/17/2015	6/30/2016
3258	ETS / EMCO	ANTENNA, DOUBLE RIDGED GUIDE	1 - 18 GHz	3115	3/24/2015	9/30/2016
4029	RETLIF	OPEN AREA TEST SITE, FILING	3 / 10 Meters	RNH	5/15/2013	5/31/2016
5053	ETS / EMCO	ANTENNA, BICONILOG	26 MHz - 3 GHz	3142C	2/24/2015	8/31/2016
R462	AGILENT / HP	ANALYZER, SPECTRUM	9 kHz - 26.5 GHz	E7405A	1/8/2015	1/31/2016

**FCC Section 15.207 (a)  
AC Line Conducted Emissions**

EN	Manufacturer	Description	Range	Model No.	Cal Date	Due Date
4027	SOLAR ELECTRONICS	LISN	50 uH, 10 kHz - 50 MHz	9252-50-R-24-BNC	2/23/2015	2/29/2016
5070	ROHDE & SCHWARZ	RECEIVER, EMI	20 Hz - 40 GHz	ESIB40	10/29/2014	10/31/2016
5137	NARDA MICROWAVE	ATTENUATOR, COAXIAL	10 dB, DC - 11 GHz, 20 W 768-10		10/28/2014	10/31/2015
5188	Cybertron	COMPUTER, CONTROL	N/A	TSVQJA2221	No Calibration Required	



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## Test Photographs Channel Separation



Test Setup



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**FCC Section 15.247(a)(1) / IC Section A8.1(b)  
Channel Separation  
Test Data**

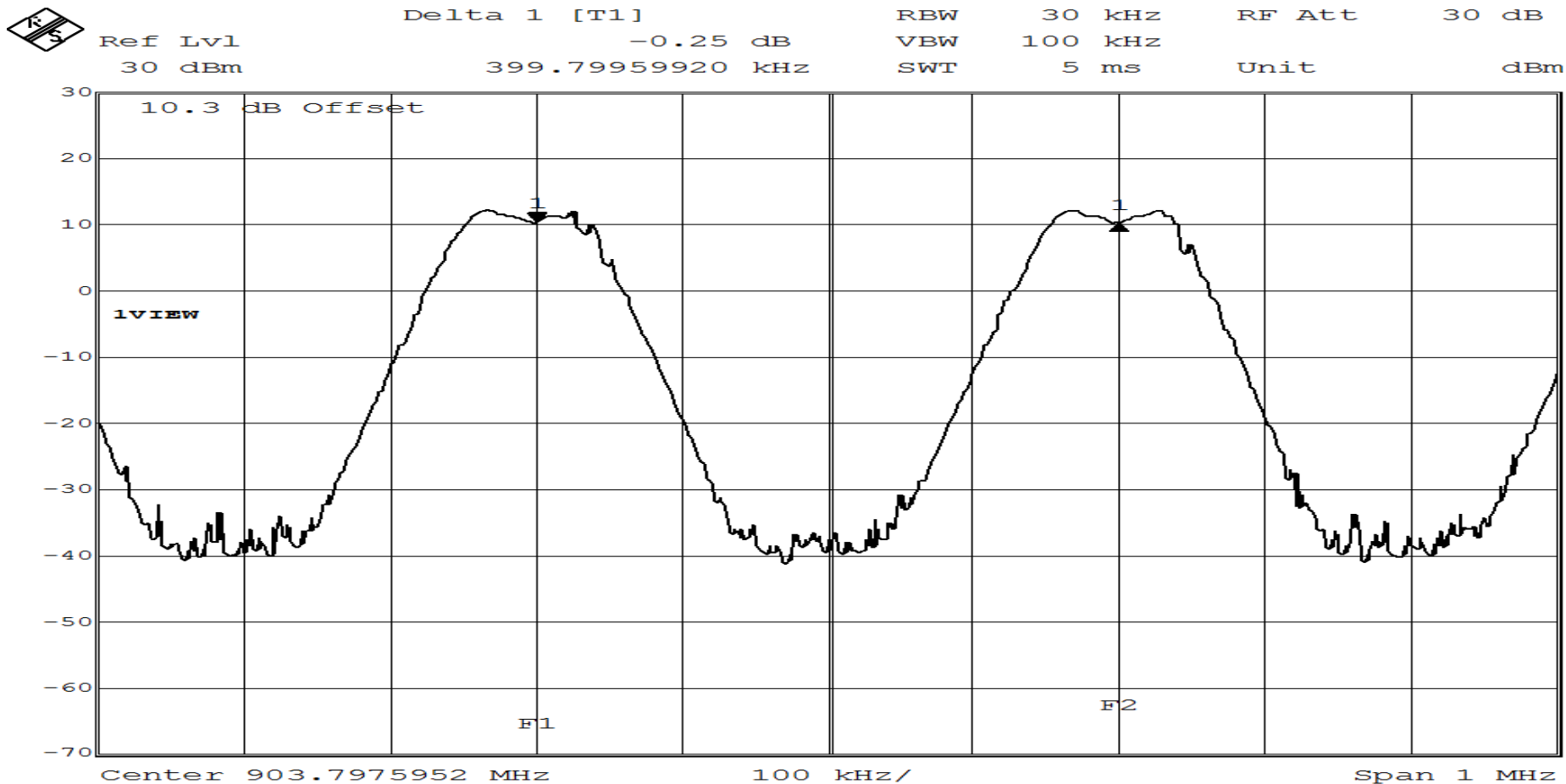


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# RETLIF TESTING LABORATORIES

Test Method:	Channel Carrier Frequency Separation		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting hopping frequency data		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (a)(1)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Channel Carrier Frequency Separation: 399.799 kHz		



Date: 2.OCT.2015 10:48:50  
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**Test Photographs**  
**20 dB Bandwidth**



Test Setup



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**FCC Section 15.247(a)(1)  
20 dB Bandwidth  
Test Data**

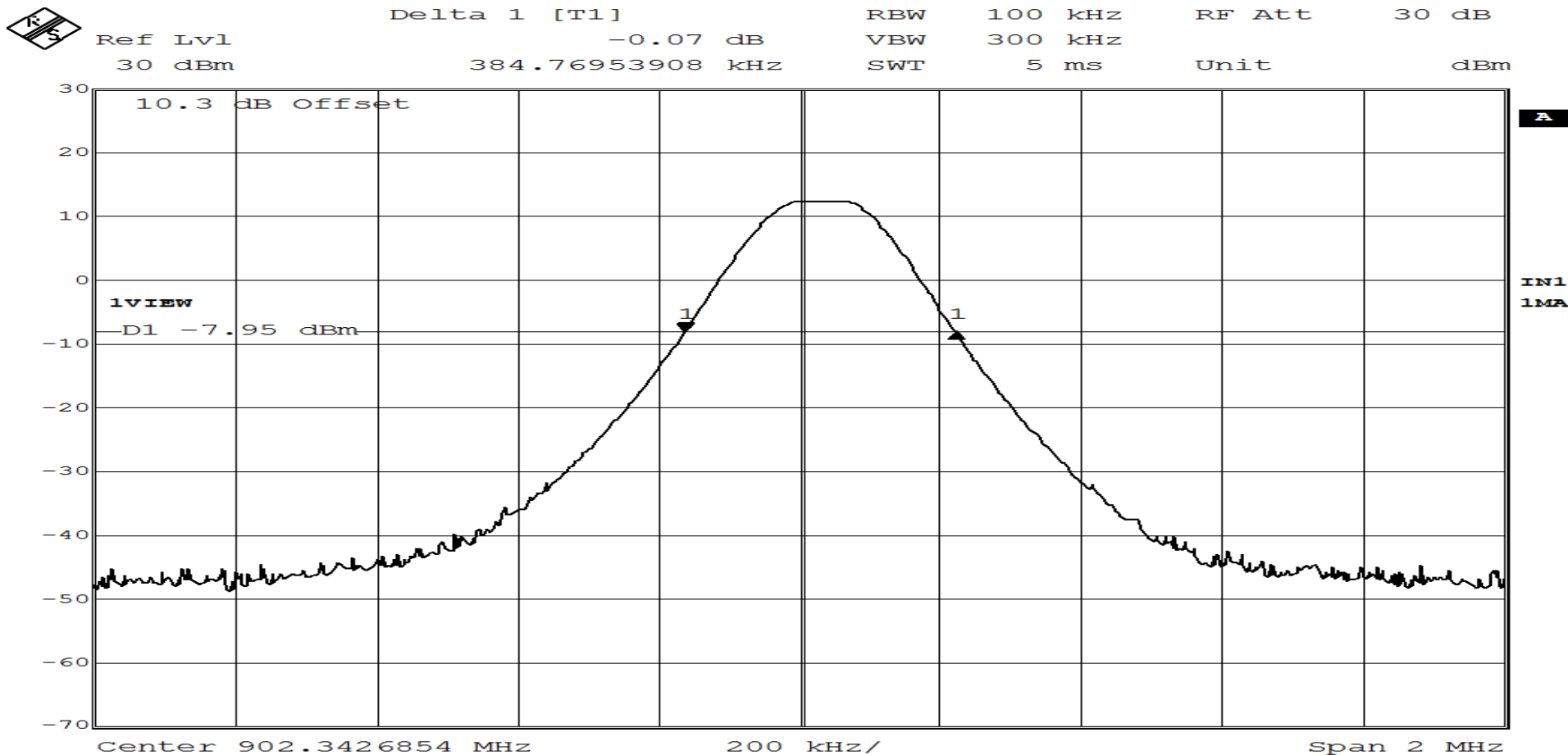


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# RETLIF TESTING LABORATORIES

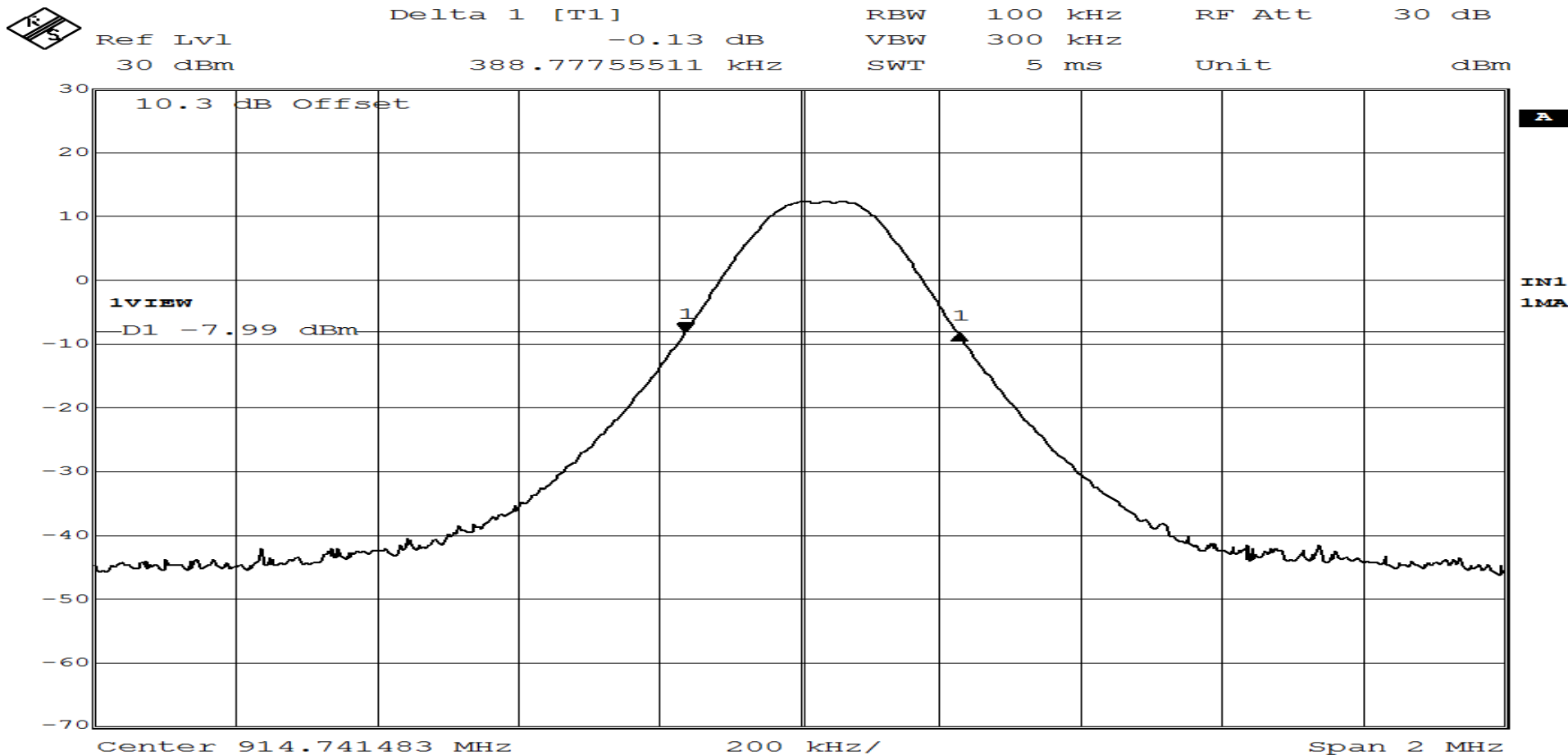
Test Method:	20dB Bandwidth		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (a)(1)(i)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 902.34 MHz 20dB Bandwidth: 384.769 kHz		



Date: 2.OCT.2015 10:13:25  
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# RETLIF TESTING LABORATORIES

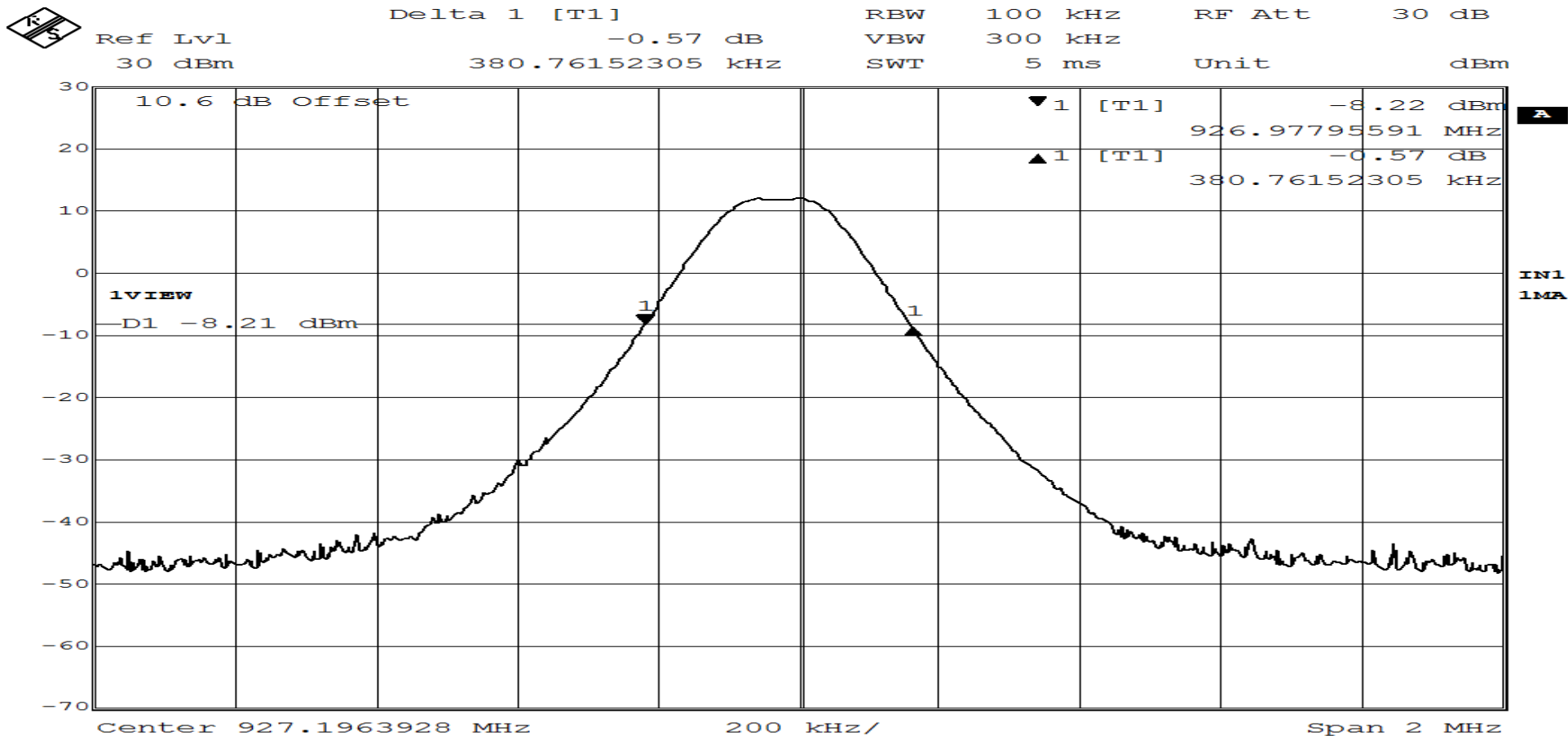
Test Method:	20dB Bandwidth		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (a)(1)(i)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 914.74 MHz 20dB Bandwidth: 388.777 kHz		



Date: 2.OCT.2015 10:22:27  
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# RETLIF TESTING LABORATORIES

Test Method:	20dB Bandwidth		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (a)(1)(i)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 927.196 MHz 20dB Bandwidth: 380.761 kHz		



Date: 5.OCT.2015 09:56:11  
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**Test Photographs**  
**Number of Channels and Occupancy Time**



Test Setup



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**FCC Section 15.247 (a)(1)(i)**  
**Number of Channels and Occupancy Time**  
**Test Data**

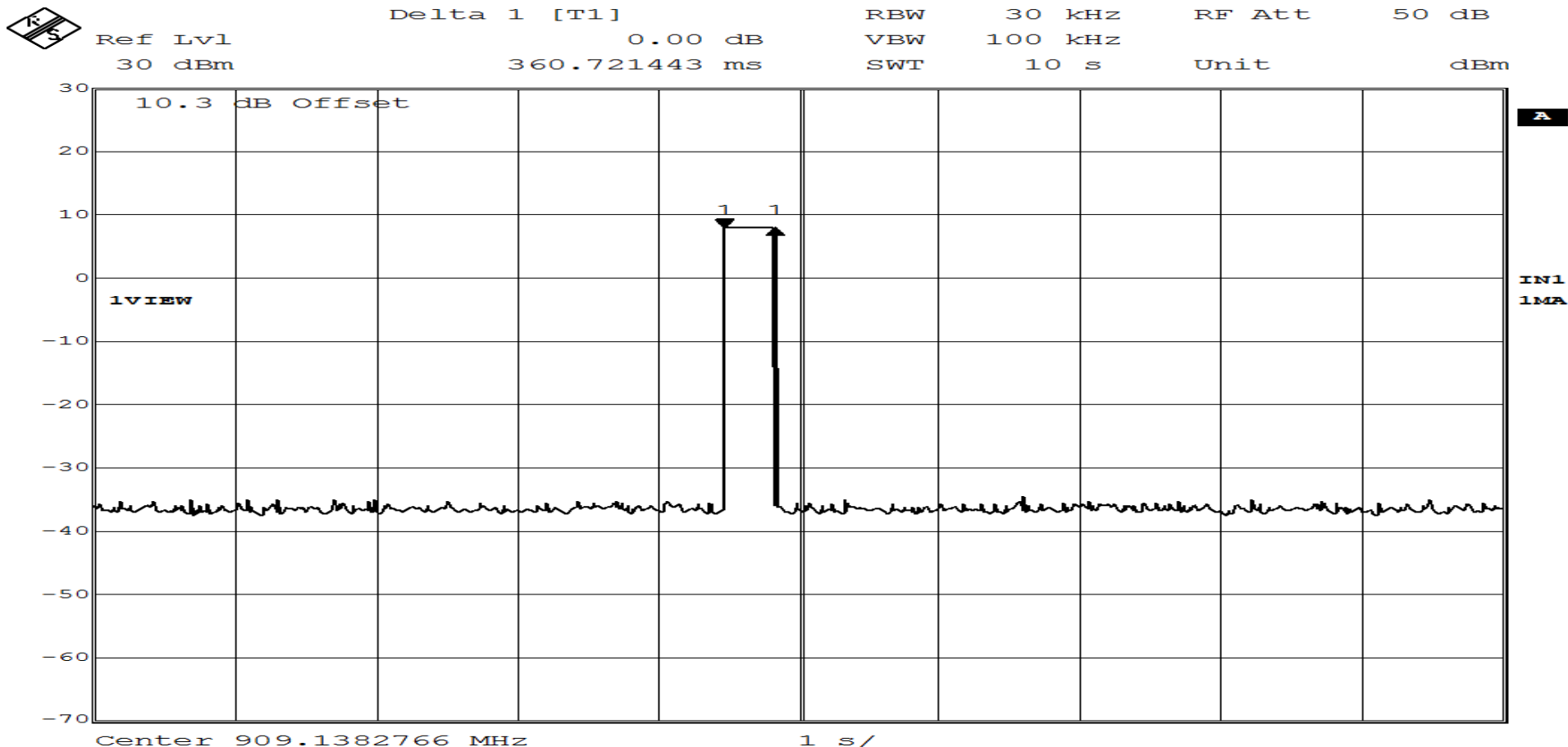


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# RETLIF TESTING LABORATORIES

Test Method:	Time of Occupancy		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting hopping frequency data		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (a)(1)(i)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Test Frequency: 909.138 MHz Pulse Width: 360.721ms		



Date: 2.OCT.2015 11:35:42

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**Number of Hopping Frequencies  
Test Data**

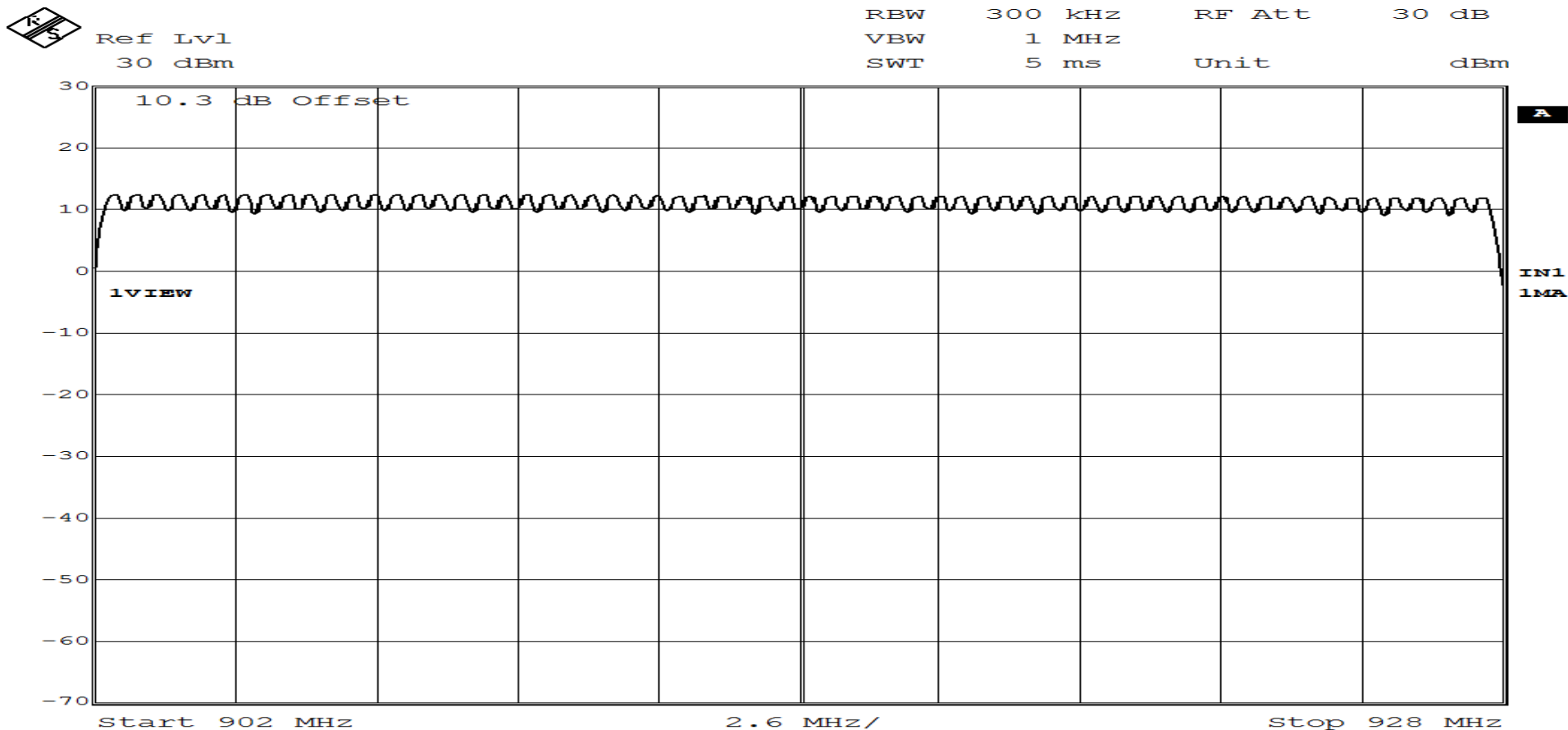


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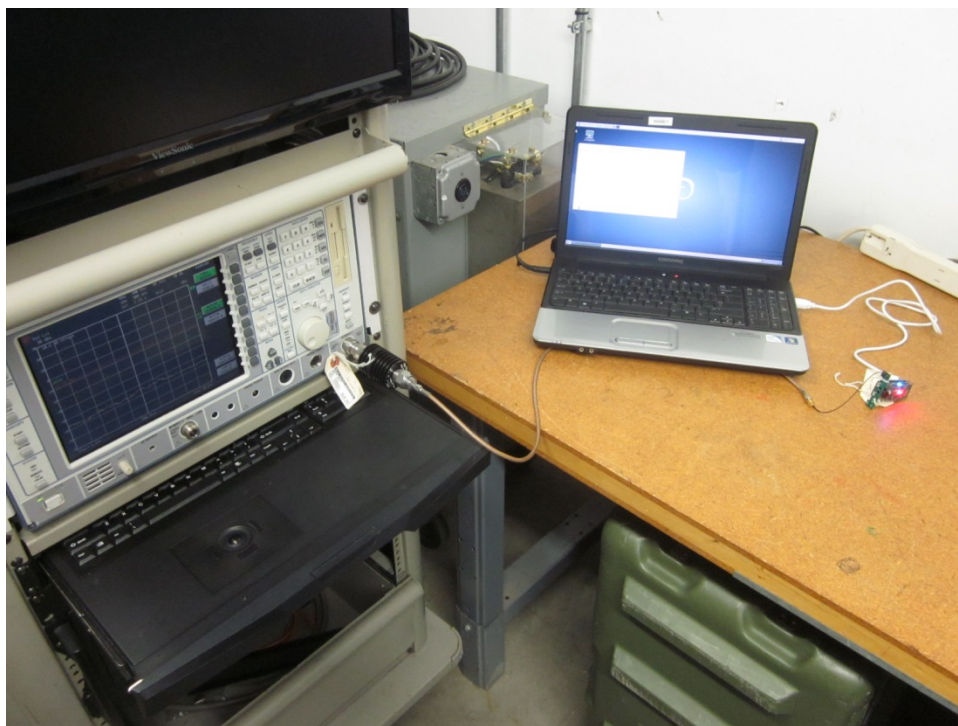
# RETLIF TESTING LABORATORIES

Test Method:	Number of Hopping Frequencies		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Part Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting hopping frequency data		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (a)(1)(i)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Number of Hopping Frequencies: 64		



Date: 2.OCT.2015 11:04:37  
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## Test Photographs Peak Conducted Output Power



Test Setup



**Retlif Testing Laboratories**

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**FCC Section 15.247 (a)(1)  
Peak Conducted Output Power  
Test Data**

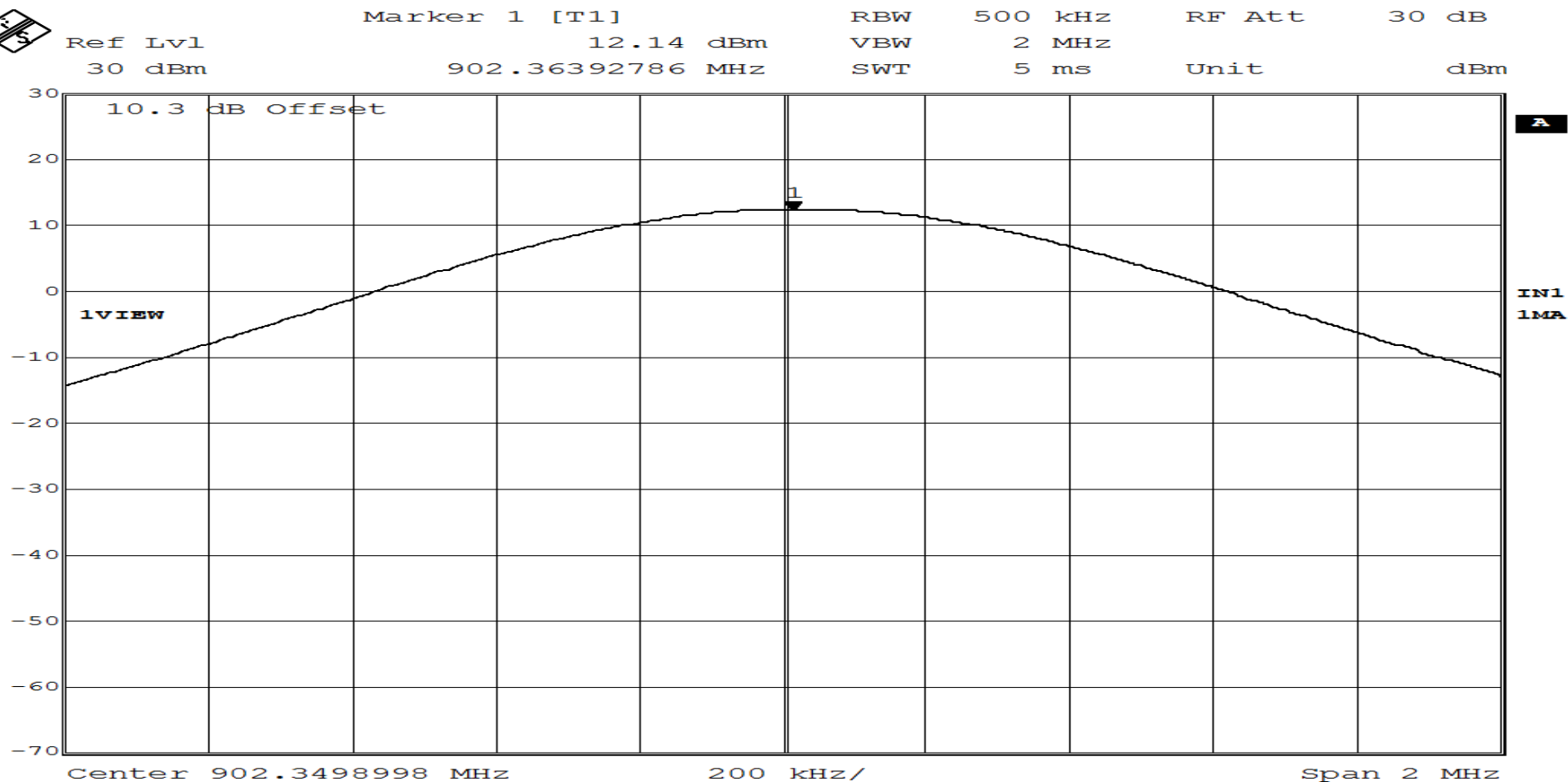


**Retlif Testing Laboratories**

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# RETLIF TESTING LABORATORIES

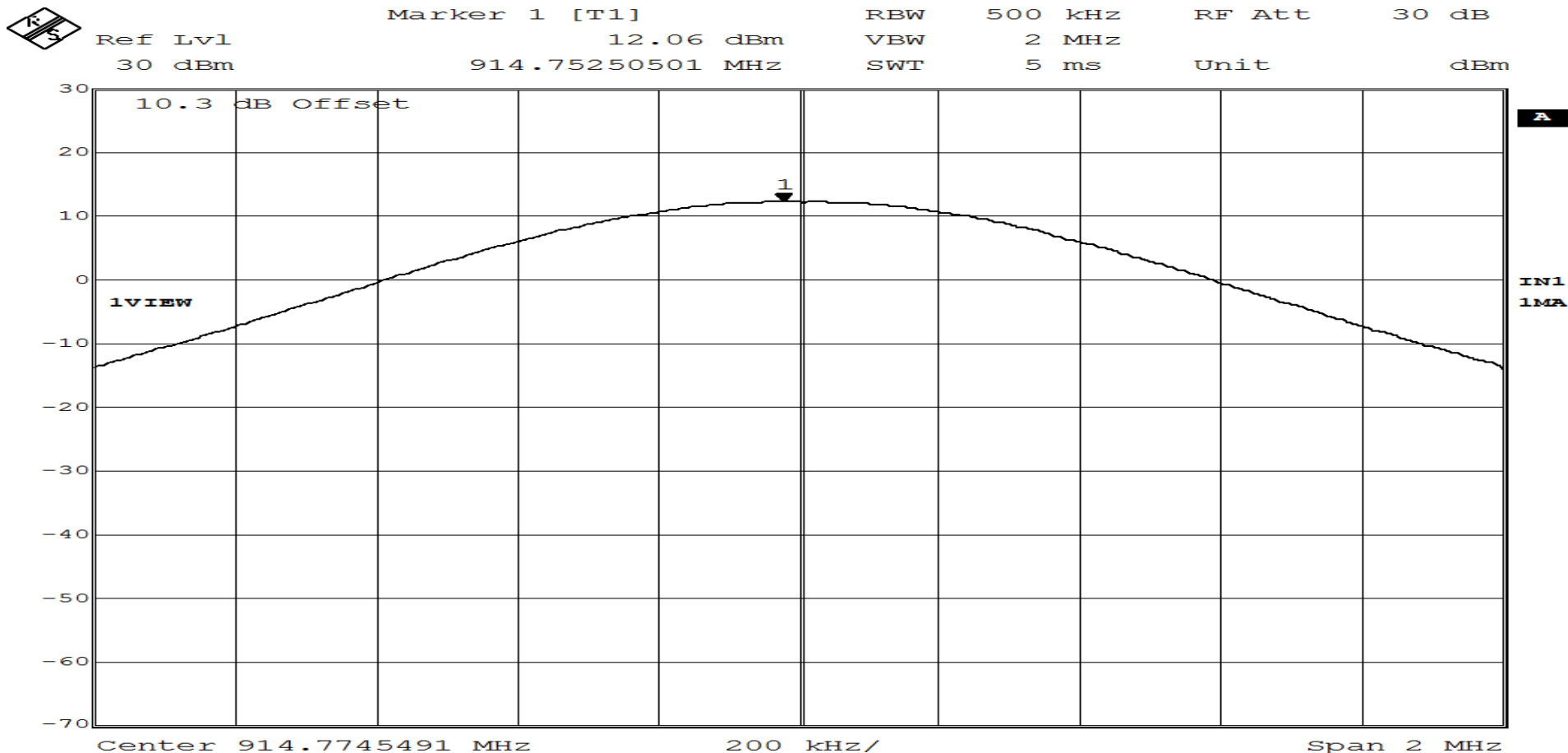
Test Method	Peak Power Output		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (b)(3)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 902.36 MHz Peak Power Output: 12.14 dBm (16.368mW)		



Date: 2.OCT.2015 11:47:58  
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# RETLIF TESTING LABORATORIES

Test Method	Peak Power Output		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (b)(3)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 914.774 MHz Peak Power Output: 12.06 dBm (16.069mW)		



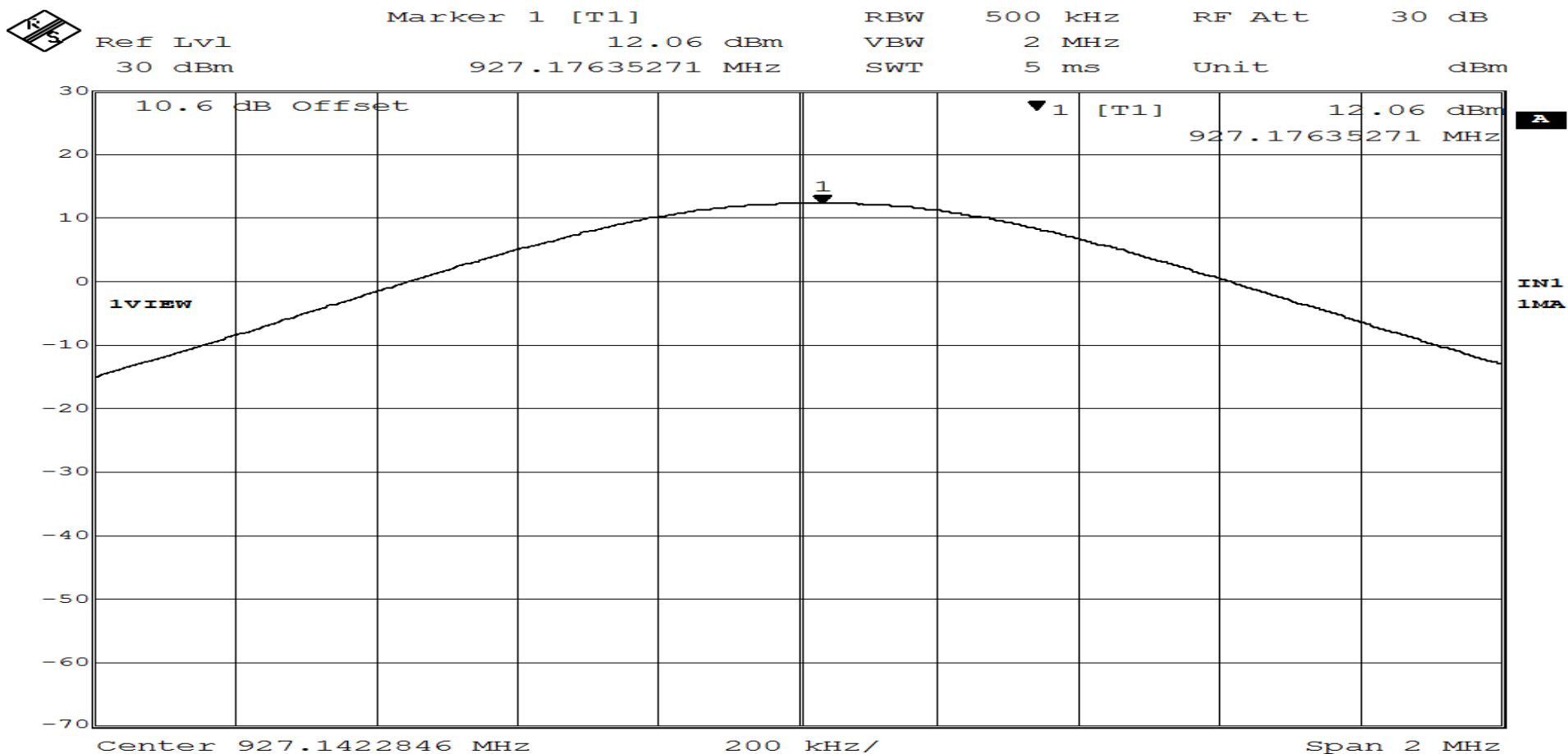
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# RETLIF TESTING LABORATORIES

Test Method	Peak Power Output		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (b)(3)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 927.176 MHz Peak Power Output: 12.06 dBm (16.069mW)		



Date: 5.OCT.2015 09:49:30  
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**Test Photographs**  
**Conducted Spurious Emissions, 30 MHz to 10 GHz**



Test Setup



**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

**FCC Section 15.247 (d)  
Conducted Spurious Emissions, 30 MHz to 10 GHz  
Band Edge Test Data**

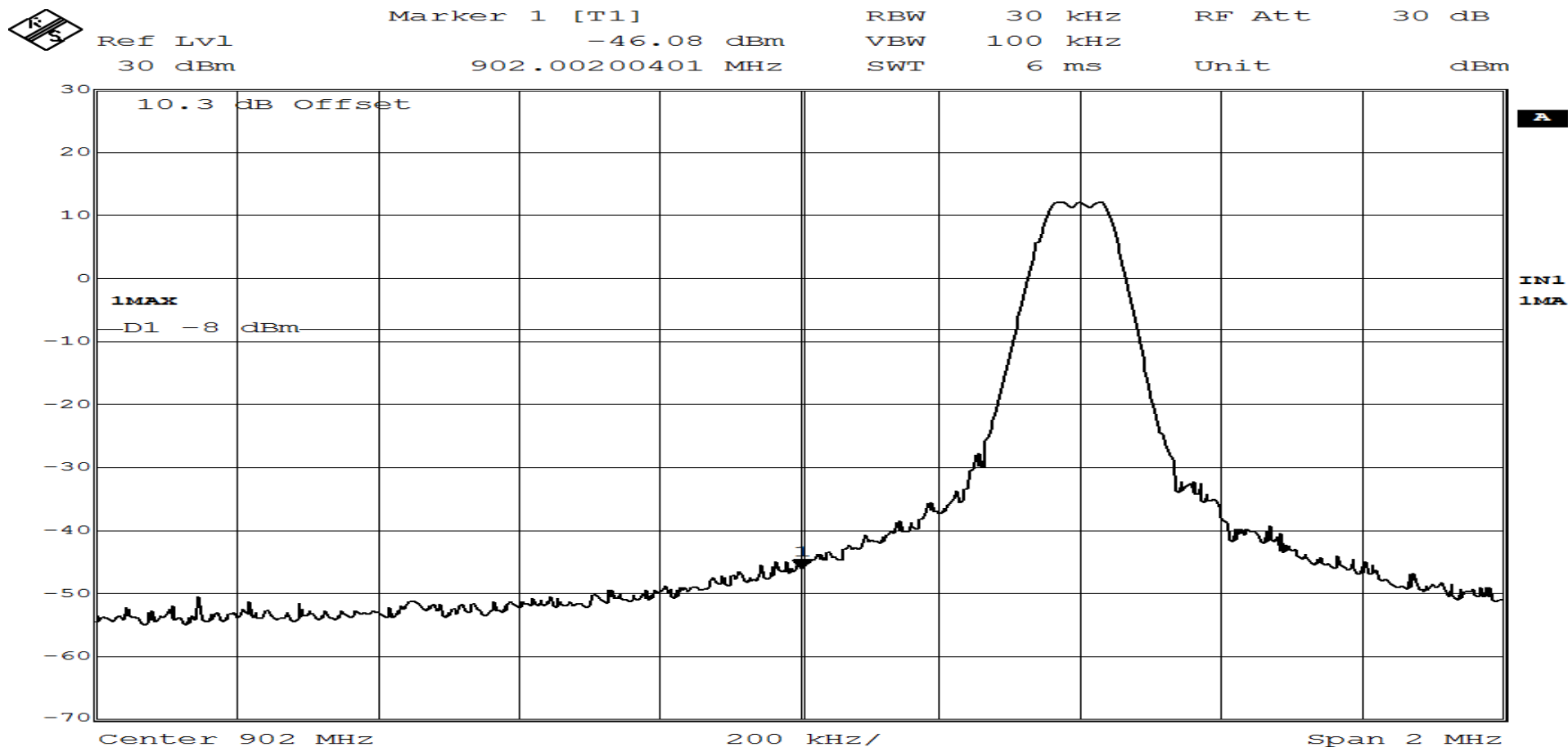


**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

# RETLIF TESTING LABORATORIES

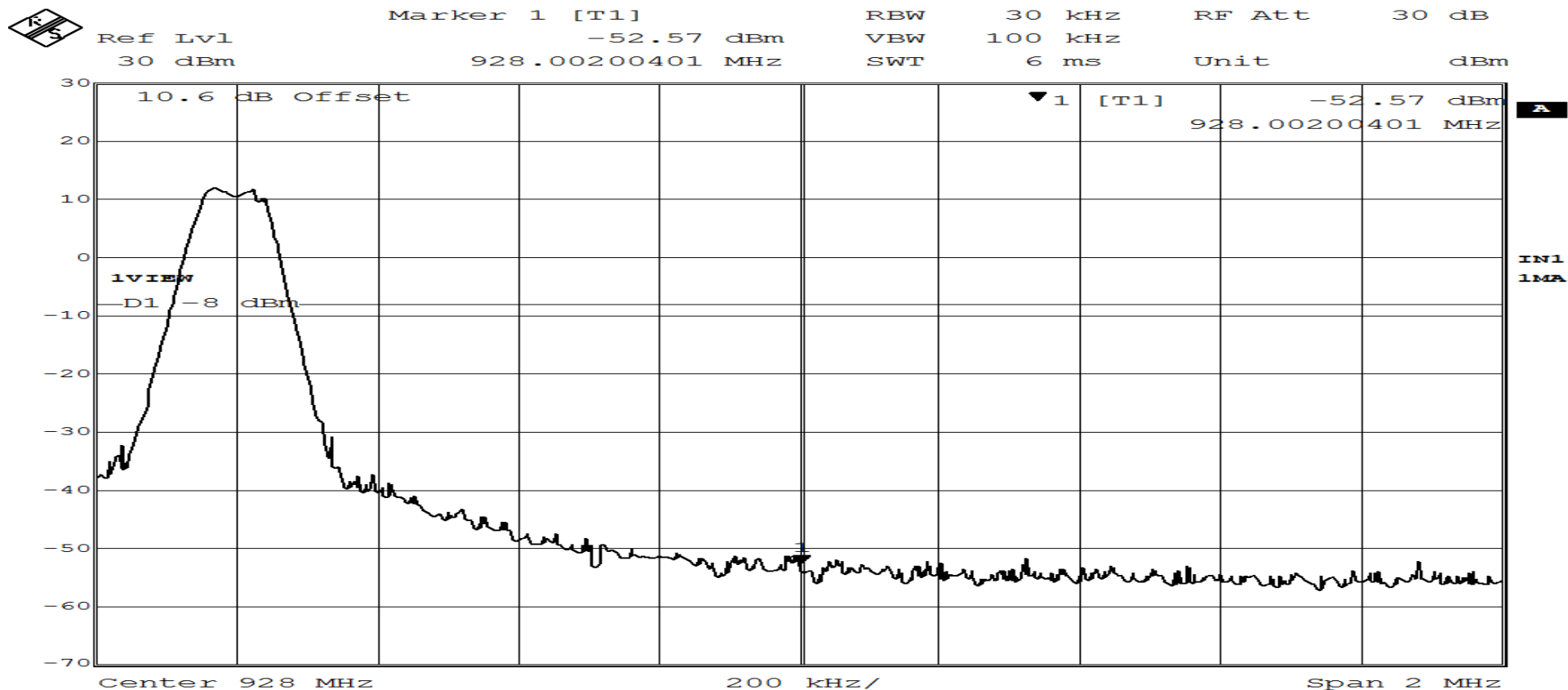
Test Method	Band Edge Emissions Conducted		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (d)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 902.36 MHz		



Date: 2.OCT.2015 12:08:22  
 Page 1 of 2

# RETLIF TESTING LABORATORIES

Test Method	Band Edge Emissions Conducted		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (d)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 927.3 MHz		



Date: 5.OCT.2015 10:01:24

**Unwanted Emissions into Non-Restricted Frequency Bands  
25 MHz to 10 GHz  
Test Data**

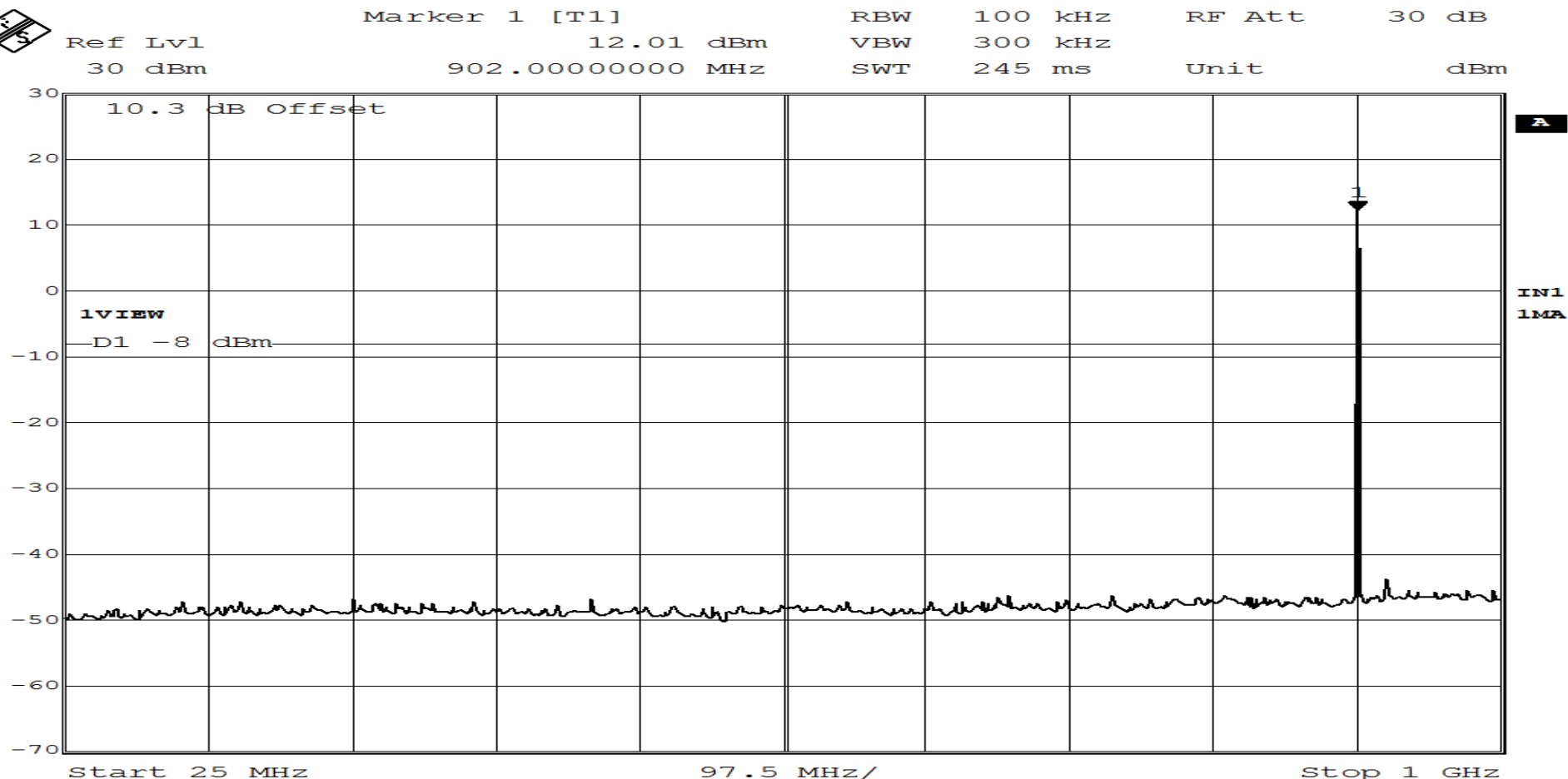


**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

# RETLIF TESTING LABORATORIES

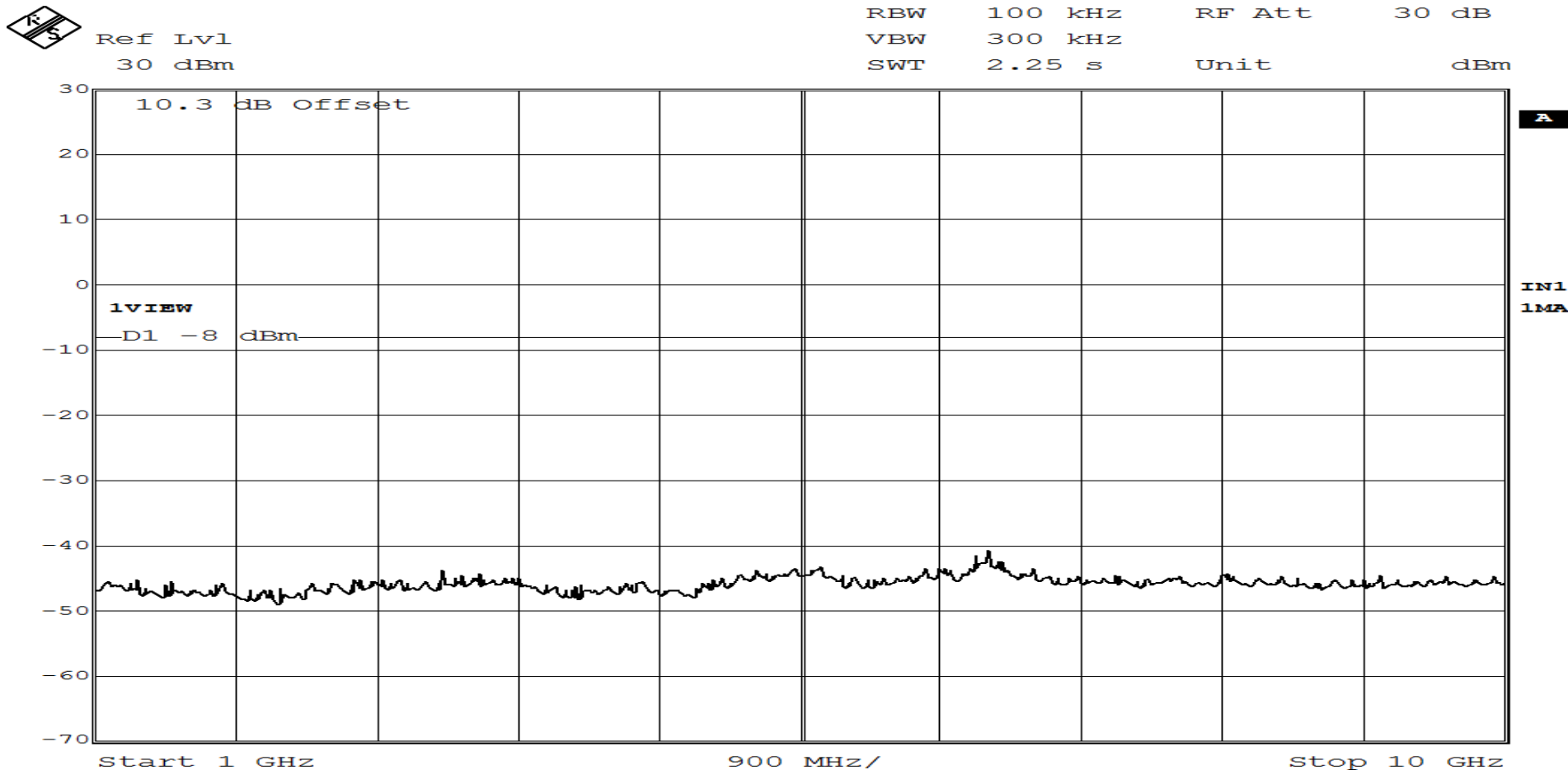
Test Method	Unwanted Emissions into Non-Restricted Frequency Bands		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (d)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 902.4 MHz Limit is 20dB down from the Fundamental Frequency Peak Power Output		



Date: 2.OCT.2015 12:12:31  
 Page 1 of 6

# RETLIF TESTING LABORATORIES

Test Method	Unwanted Emissions into Non-Restricted Frequency Bands		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (d)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 902.4 MHz Limit is 20dB down from the Fundamental Frequency Peak Power Output		

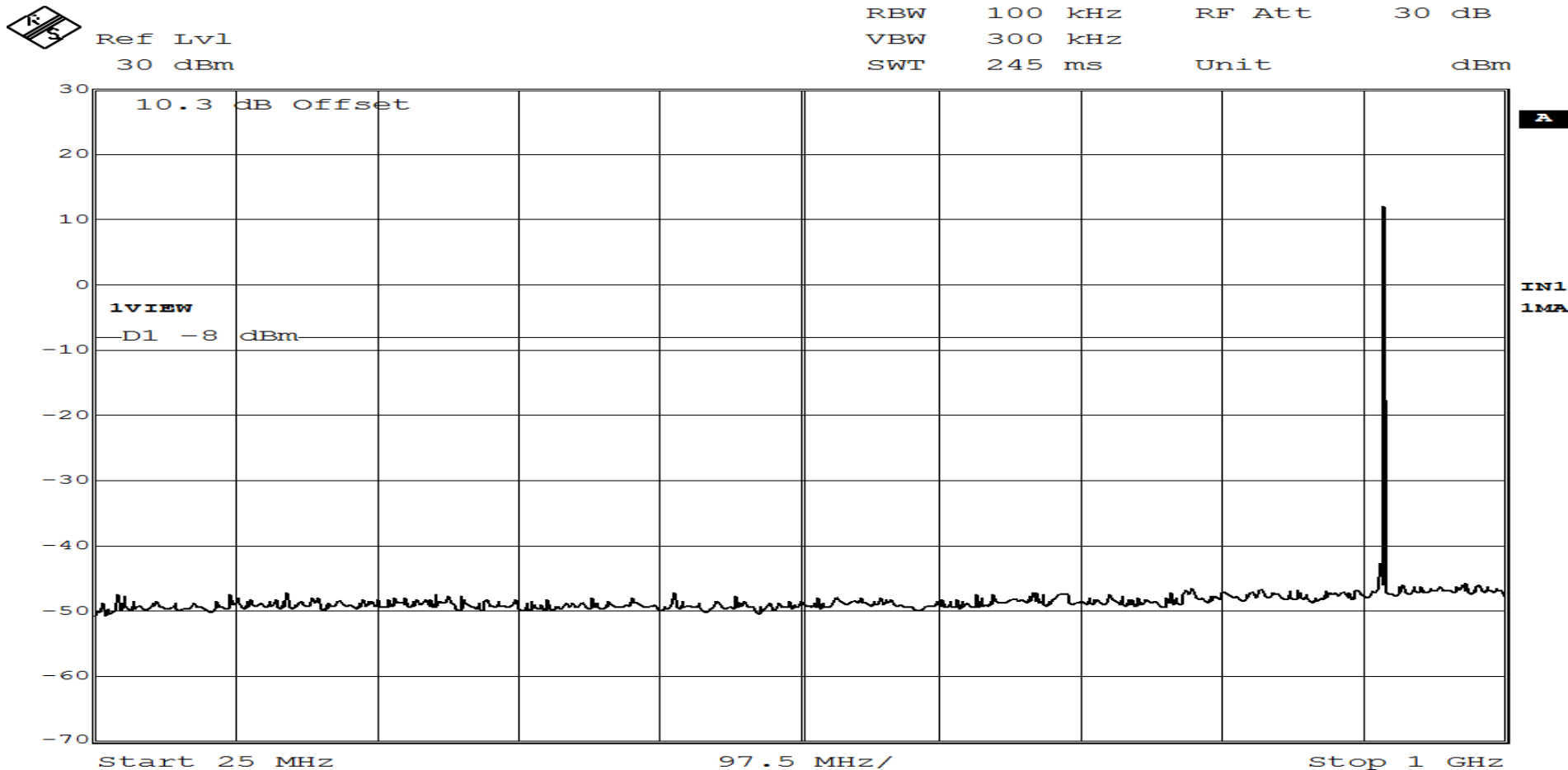


Date: 2.OCT.2015 12:14:24  
 Page 2 of 6



# RETLIF TESTING LABORATORIES

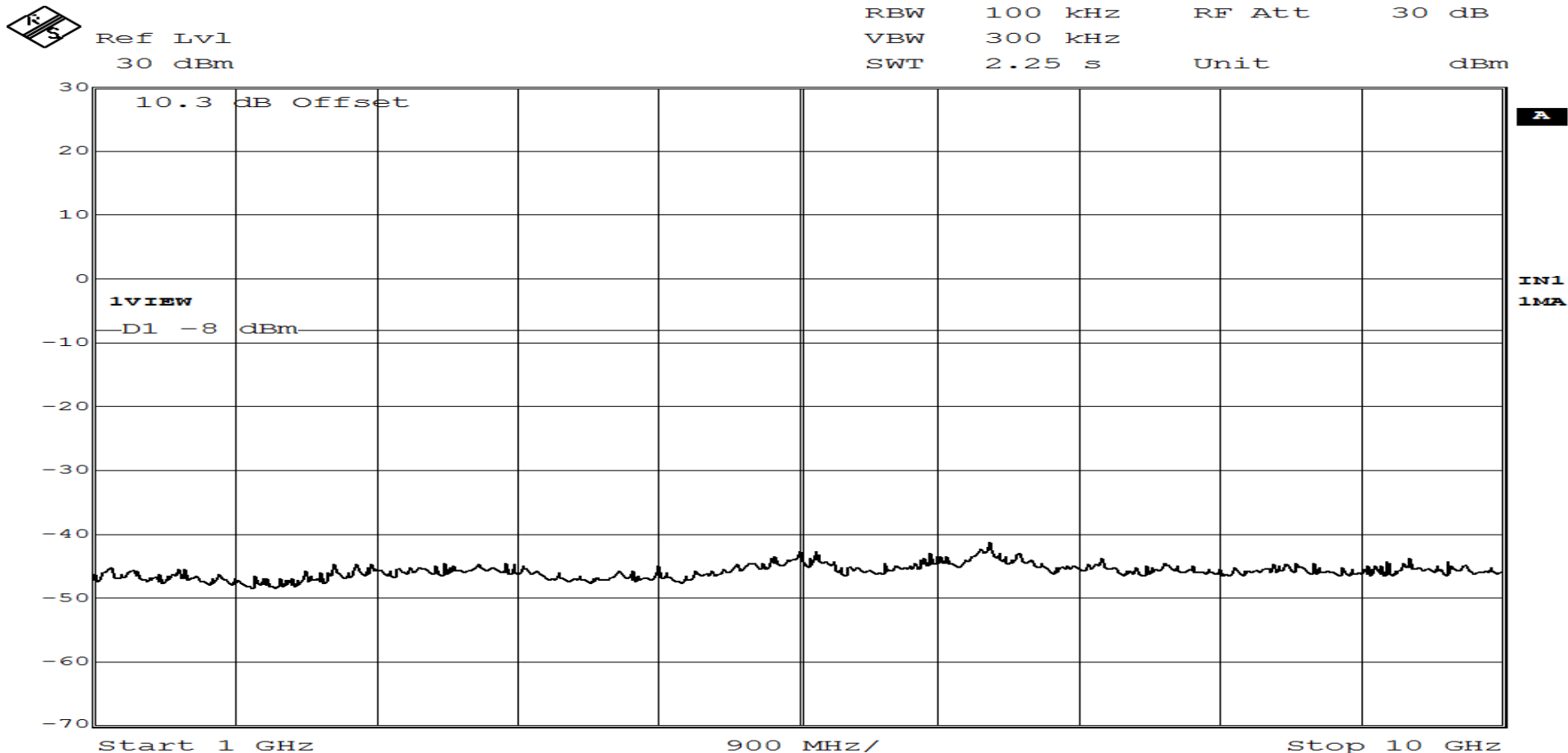
Test Method	Unwanted Emissions into Non-Restricted Frequency Bands		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (d)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 915 MHz Limit is 20dB down from the Fundamental Frequency Peak Power Output		



Date: 2.OCT.2015 12:19:39  
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# RETLIF TESTING LABORATORIES

Test Method	Unwanted Emissions into Non-Restricted Frequency Bands		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (d)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 915 MHz Limit is 20dB down from the Fundamental Frequency Peak Power Output		



Date: 2.OCT.2015 12:17:25

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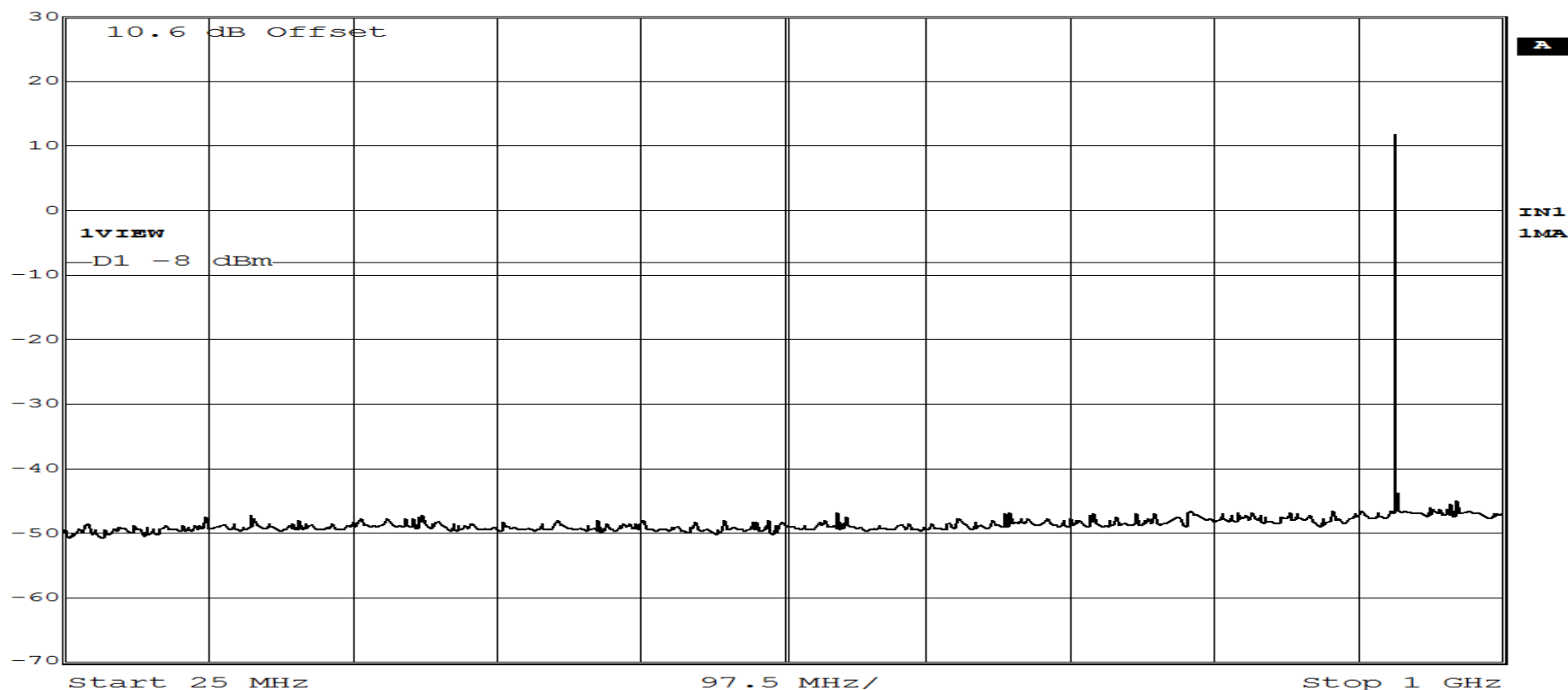
# RETLIF TESTING LABORATORIES

Test Method	Unwanted Emissions into Non-Restricted Frequency Bands		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (d)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 927 MHz Limit is 20dB down from the Fundamental Frequency Peak Power Output		



Ref Lvl  
30 dBm

RBW 100 kHz RF Att 30 dB  
VBW 300 kHz  
SWT 245 ms Unit dBm



Date: 5.OCT.2015 10:03:56

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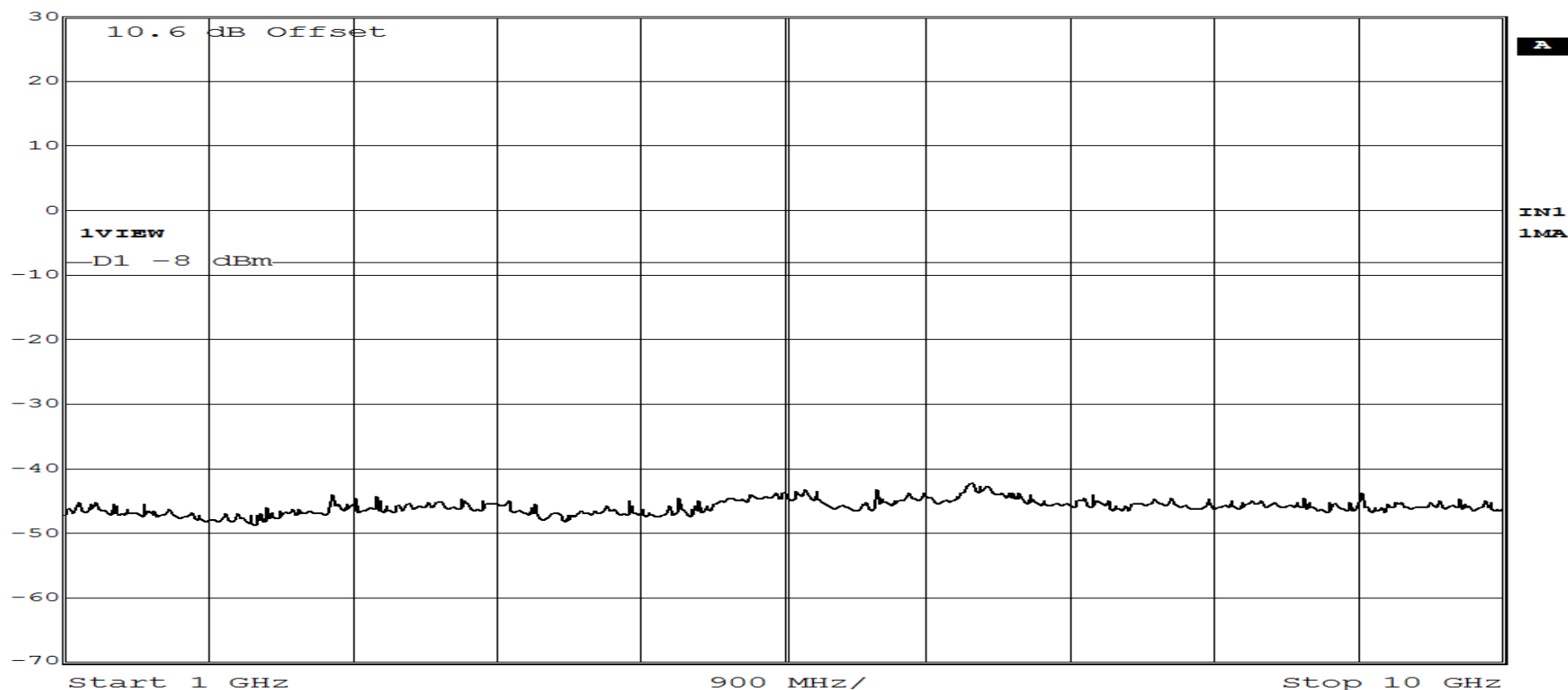
# RETLIF TESTING LABORATORIES

Test Method	Unwanted Emissions into Non-Restricted Frequency Bands		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model Number	BCM00100U	Serial No.	100-006-159
Operating Mode	Transmitting modulated signal		
Test Specification	FCC Part 15, Subpart C Paragraph: 15.247 (d)		
Technician	M. Seamans	Date	October 2 <sup>nd</sup> , 2015
Climatic Conditions	Temp: 20.0 °C Relative Humidity: 42.0 %		
Notes	Transmit Frequency: 927 MHz Limit is 20dB down from the Fundamental Frequency Peak Power Output		



Ref Lvl  
30 dBm

RBW 100 kHz RF Att 30 dB  
VBW 300 kHz  
SWT 2.25 s Unit dBm



Date: 5.OCT.2015 10:10:45

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**Test Photographs**  
**Field Strength of Spurious Emissions**



Test Configuration



**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

## Test Photographs

### Field Strength of Spurious Emissions



Horizontal Antenna Polarization, 25 MHz – 1 GHz



Vertical Antenna Polarization, 25 MHz – 1 GHz



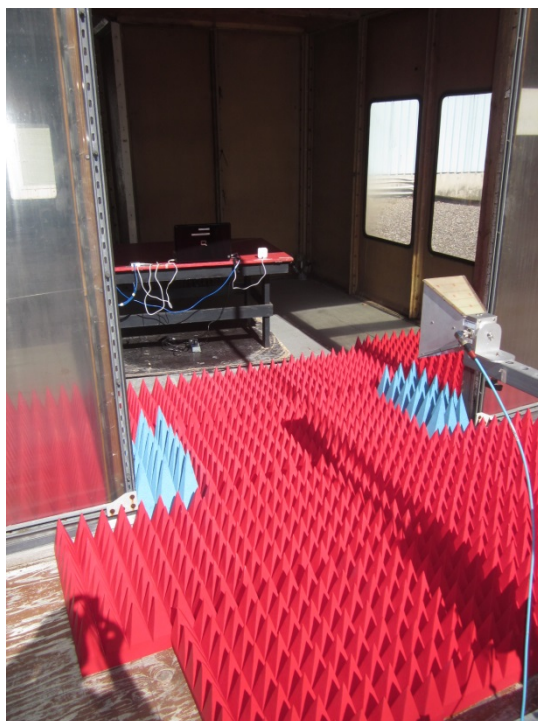
**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

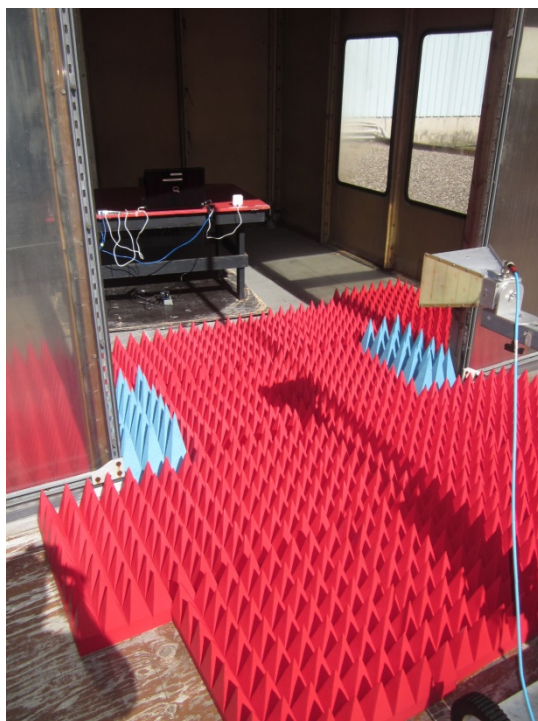


## Test Photographs

### Field Strength of Spurious Emissions



Horizontal Antenna Polarization, 1 GHz – 10 GHz



Vertical Antenna Polarization, 1 GHz – 10 GHz



**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

**FCC Section 15.247 (a) / 15.209(a)  
Field Strength of Spurious Emissions  
Test Data**



**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A



# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Immedia Semiconductor	
<b>Job Number</b>	R-6022N-2	
<b>Test Sample</b>	WiFi Connected Home Security Camera	
<b>Model Number</b>	BCM00100U	
<b>Serial Number</b>	100-006-159	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting hopping frequency data	
<b>Technician</b>	M. Seamans	
<b>Date</b>	October 6 <sup>th</sup> , 2015	

**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	21.99	14.20	36.19	*		64.49	I
38.25	-	-	-	-			-	100.00
73.00	-	-	-	-			-	100.00
	74.00	17.88	8.36	26.24	*		20.51	I
74.60	-	-	-	-			-	100.00
74.80	-	-	-	-			-	100.00
	75.00	17.14	8.36	25.50	*		18.84	
75.20	-	-	-	-			-	100.00
108.00	-	-	-	-			-	150.00
	111.60	18.65	10.02	28.67			27.13	
	114.20	24.29	9.86	34.15			50.99	
121.94	-	-	-	-			-	150.00
123.00	-	-	-	-			-	150.00
	123.30	13.29	9.44	22.73			13.69	
	125.60	19.34	9.40	28.74			27.35	
138.00	-	-	-	-			-	150.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 1 of 7



**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Immedia Semiconductor	
<b>Job Number</b>	R-6022N-2	
<b>Test Sample</b>	WiFi Connected Home Security Camera	
<b>Model Number</b>	BCM00100U	
<b>Serial Number</b>	100-006-159	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting hopping frequency data	
<b>Technician</b>	M. Seamans	
<b>Date</b>	October 6 <sup>th</sup> , 2015	

**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	13.66	11.17	24.83	*		17.44	
150.05	-	-	-	-			-	150.00
156.52	-	-	-	-			-	150.00
	156.52	8.88	12.08	20.96	*		11.17	
156.52	-	-	-	-			-	150.00
156.70	-	-	-	-			-	150.00
	156.80	6.31	12.12	18.43	*		8.35	
156.90	-	-	-	-			-	150.00
162.01	-	-	-	-			-	150.00
	165.00	9.21	12.68	21.89	*		12.43	
167.17	-	-	-	-			-	150.00
167.72	-	-	-	-			-	150.00
	170.00	9.50	12.80	22.30	*		13.03	
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).

Data Sheet 2 of 7



**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Immedia Semiconductor	
<b>Job Number</b>	R-6022N-2	
<b>Test Sample</b>	WiFi Connected Home Security Camera	
<b>Model Number</b>	BCM00100U	
<b>Serial Number</b>	100-006-159	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting hopping frequency data	
<b>Technician</b>	M. Seamans	
<b>Date</b>	October 6 <sup>th</sup> , 2015	

**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
	266.70	15.35	16.85	32.20			40.74	
285.00	-	-	-	-			-	200.00
322.80	-	-	-	-			-	200.00
	330.00	3.41	18.91	22.32	*		13.06	
335.40	-	-	-	-			-	200.00
399.90	-	-	-	-			-	200.00
	405.00	3.40	21.49	24.89	*		17.56	
410.00	-	-	-	-			-	200.00
608.00	-	-	-	-			-	200.00
	611.00	0.54	27.34	27.88	*		24.77	
614.00	-	-	-	-			-	200.00
960.00	-	-	-	-			-	500.00
	975.00	1.33	32.10	33.43	*		46.94	
1240.00	-	-	-	-			-	500.00
1300.00	-	-	-	-			-	500.00
	1350.00	32.8	-9.50	23.30	*		14.62	
1427.00	-	-	-	-			-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 3 of 7



**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Immedia Semiconductor	
Job Number	R-6022N-2	
Test Sample	WiFi Connected Home Security Camera	
Model Number	BCM00100U	
Serial Number	100-006-159	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting hopping frequency data	
Technician	M. Seamans	
Date	October 6 <sup>th</sup> , 2015	
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	36.73	-9.4	27.33	*		23.25	
1646.50	-	-	-	-			-	500.00
1660.00	-	-	-	-			-	500.00
	1680.00	31.71	-9.04	22.67	*		13.59	
1710.00	-	-	-	-			-	500.00
1718.80	-	-	-	-			-	500.00
	1720.00	31.46	-8.64	22.82	*		13.83	
1722.20	-	-	-	-			-	500.00
2200.00	-	-	-	-			-	500.00
	2250.00	31.79	-6.76	25.03	*		17.84	
2300.00	-	-	-	-			-	500.00
2310.00	-	-	-	-			-	500.00
	2360.00	30.93	-6.51	24.42	*		16.63	
2390.00	-	-	-	-			-	500.00
2483.50	-	-	-	-			-	500.00
	2490.00	32.19	-6.11	26.08	*		20.13	
2500.00	-	-	-	-			-	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).								

Data Sheet 4 of 7



**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Immedia Semiconductor	
<b>Job Number</b>	R-6022N-2	
<b>Test Sample</b>	WiFi Connected Home Security Camera	
<b>Model Number</b>	BCM00100U	
<b>Serial Number</b>	100-006-159	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting hopping frequency data	
<b>Technician</b>	M. Seamans	
<b>Date</b>	October 6 <sup>th</sup> , 2015	

**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
	2706.00	36.42	-5.4	31.02			35.56	
	2745.00	36.91	-5.4	31.51			37.62	
	2781.00	37.15	-5.4	31.51			38.68	
2900.00	-	-	-	-			-	500.00
3260.00	-	-	-	-			-	500.00
	3263.00	29.93	-3.4	26.53	*		21.20	
3267.00	-	-	-	-			-	500.00
3332.00	-	-	-	-			-	500.00
	3336.00	30.58	-3.1	27.48	*		23.65	
3339.00	-	-	-	-			-	500.00
3345.00	-	-	-	-			-	500.00
	3350.00	30.1	-3.1	27.00	*		22.38	
3358.00	-	-	-	-			-	500.00
3600.00	-	-	-	-			-	500.00
	3608.00	38.19	-2.4	35.79			61.58	
	3660.00	37.90	-2.4	35.50			59.56	
	3708.00	37.50	-2.4	35.10			56.88	

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 5 of 7



**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

# RETLIF TESTING LABORATORIES

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Immedia Semiconductor	
<b>Job Number</b>	R-6022N-2	
<b>Test Sample</b>	WiFi Connected Home Security Camera	
<b>Model Number</b>	BCM00100U	
<b>Serial Number</b>	100-006-159	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting hopping frequency data	
<b>Technician</b>	M. Seamans	
<b>Date</b>	October 6 <sup>th</sup> , 2015	

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

### TEST PARAMETERS

Restricted Band MHz	Measured Frequency MHz	Meter Reading dBuV	Correction Factor dB	Corrected Reading dBuV/m			Converted Reading uV/m	Limit at 3M uV/m
	3800.00	29.29	-0.74	28.55	*		26.76	
4400.00	-	-	-	-			-	500.00
4500.00	-	-	-	-			-	500.00
	4510.00	40.17	-1.16	39.01			89.22	
	4575.00	39.85	-1.16	38.69			86.00	
	4635.00	40.16	-0.91	39.25			91.72	
	4900.00	29.47	-0.48	28.99	*		28.15	
5150.00	-	-	-	-			-	500.00
5350.00	-	-	-	-			-	500.00
	5400.00	28.45	0.89	29.34	*		29.32	
5460.00	-	-	-	-			-	500.00
7250.00	-	-	-	-			-	500.00
	7500.00	30.58	2.87	33.45	*		47.04	
7750.00	-	-	-	-			-	500.00
8025.00	-	-	-	-			-	500.00
	8118.00	30.89	3.20	34.09	*		50.64	
	8235.00	30.56	3.30	33.86	*		49.31	
	8250.00	30.35	3.50	33.90	*		49.54	
	8343.00	30.30	3.30	33.60	*		47.86	
8500.00	-	-	-	-			-	500.00

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet. \* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 6 of 7



**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

**RETLIF TESTING LABORATORIES**

## EMISSIONS TEST DATA SHEET

<b>Test Method</b>	Unwanted Emissions into Restricted Frequency Bands	
<b>Customer</b>	Immedia Semiconductor	
<b>Job Number</b>	R-6022N-2	
<b>Test Sample</b>	WiFi Connected Home Security Camera	
<b>Model Number</b>	BCM00100U	
<b>Serial Number</b>	100-006-159	
<b>Test Specification</b>	FCC Part 15 Subpart C	Paragraph: 15.247(d)
<b>Operating Mode</b>	Transmitting hopping frequency data	
<b>Technician</b>	M. Seamans	
<b>Date</b>	October 6 <sup>th</sup> , 2015	

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

## TEST PARAMETERS

[illegible]

\* This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Data Sheet 7 of 7



## Retlif Testing Laboratories

Report No. R-6022N-2, Rev. A

## Test Photographs AC Line Conducted Emissions



Test Configuration



Test Setup



**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A



**FCC Section 15.207 (a)  
AC Line Conducted Emissions  
Test Data**

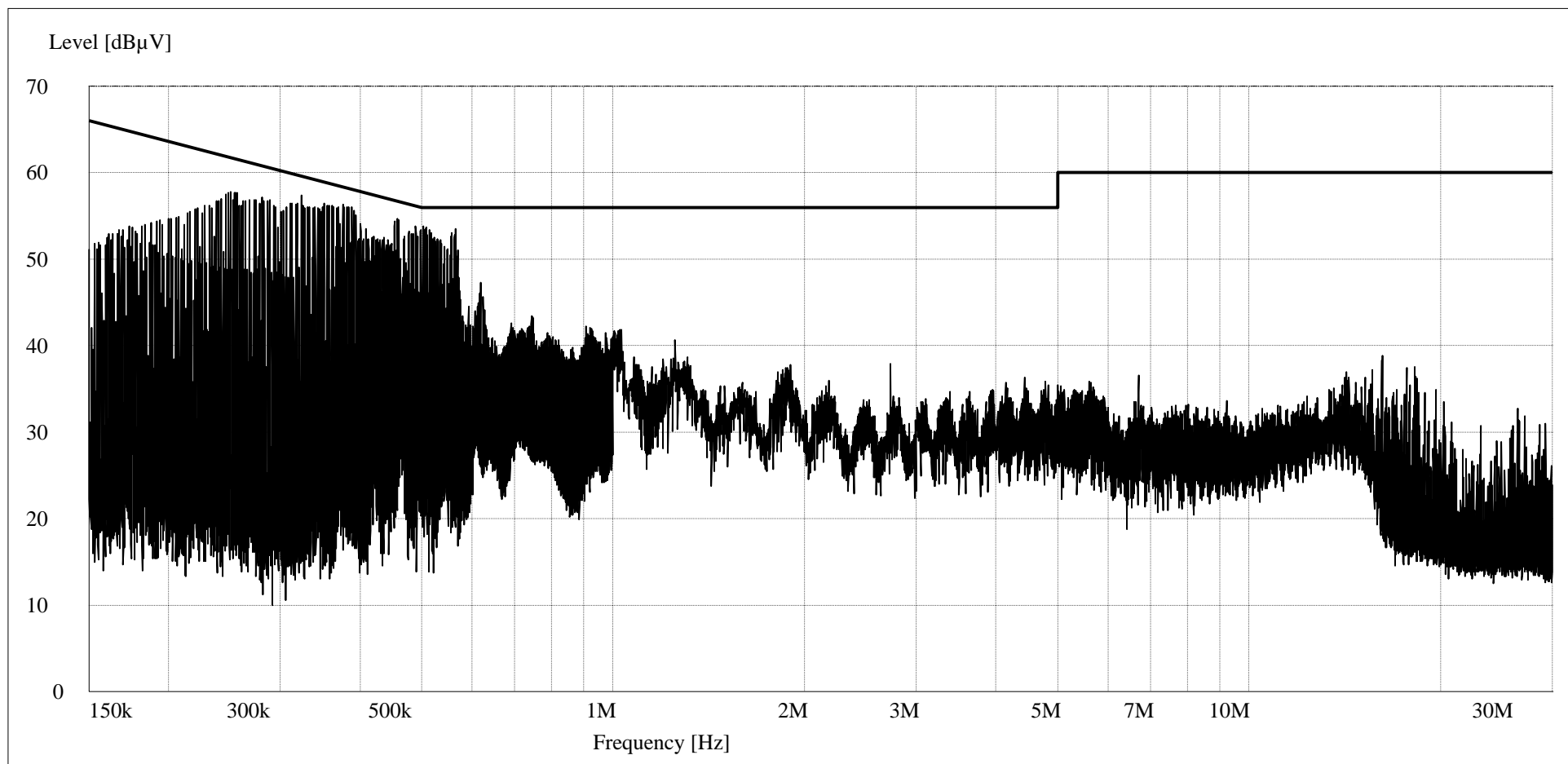


**Retlif Testing Laboratories**

Report No. R-6022N-2, Rev. A

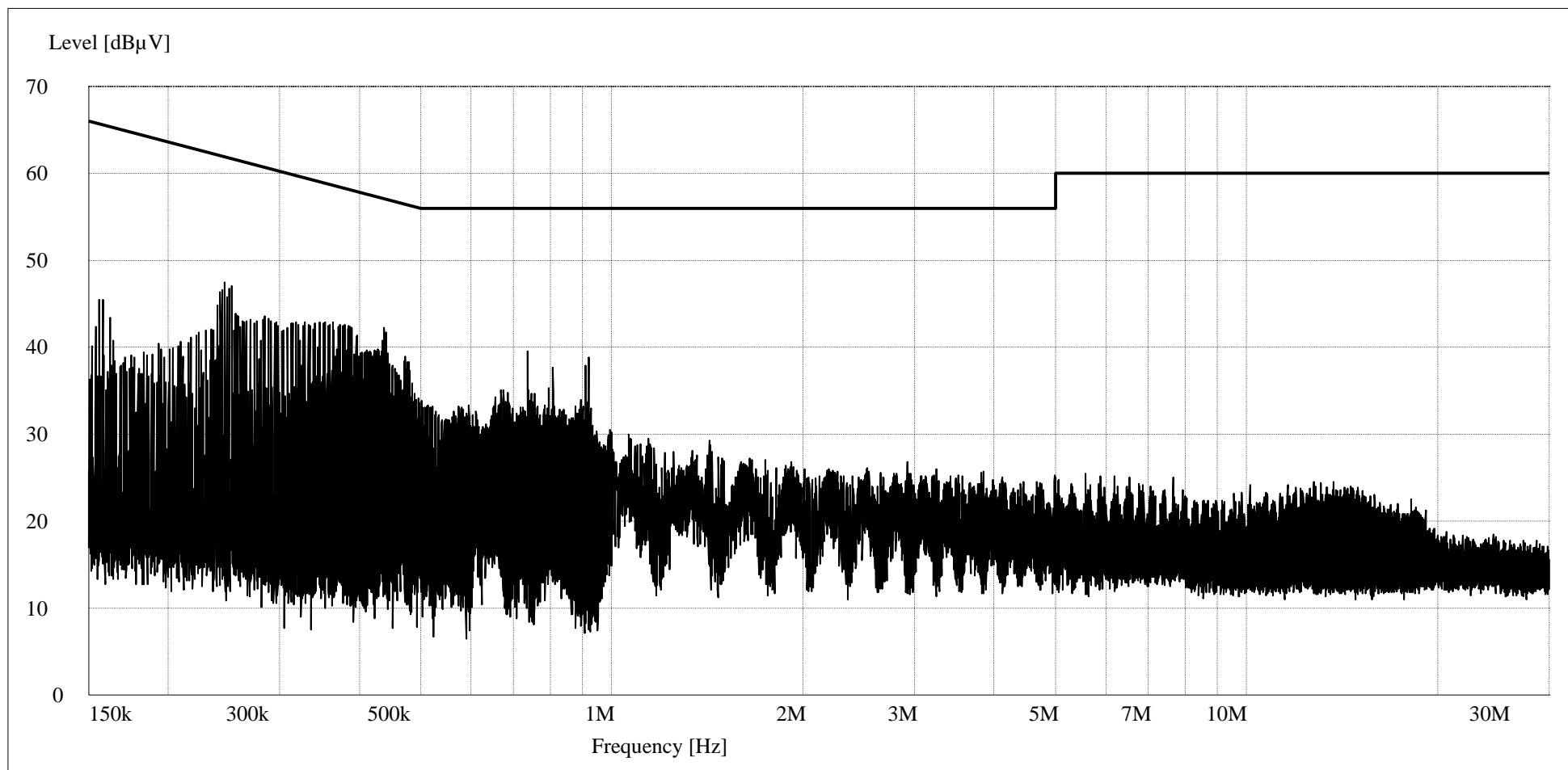
# RETLIF TESTING LABORATORIES

Test Method	Conducted Emissions 150 kHz to 30 MHz		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model No.	BCM00100U	Serial No.	100-006-159
Operating Mode	Live streaming video to iPod		
Test Specification	FCC Part 15. 207(a)		
Technician	M. Seamans	Date	October 6 <sup>th</sup> , 2015
Climatic Conditions	Temp: 21.0 °C    Relative Humidity: 40.0 %		
Lead Tested	120 VAC 60 Hz Hot    Peak Readings to Quasi-Peak Limits.		



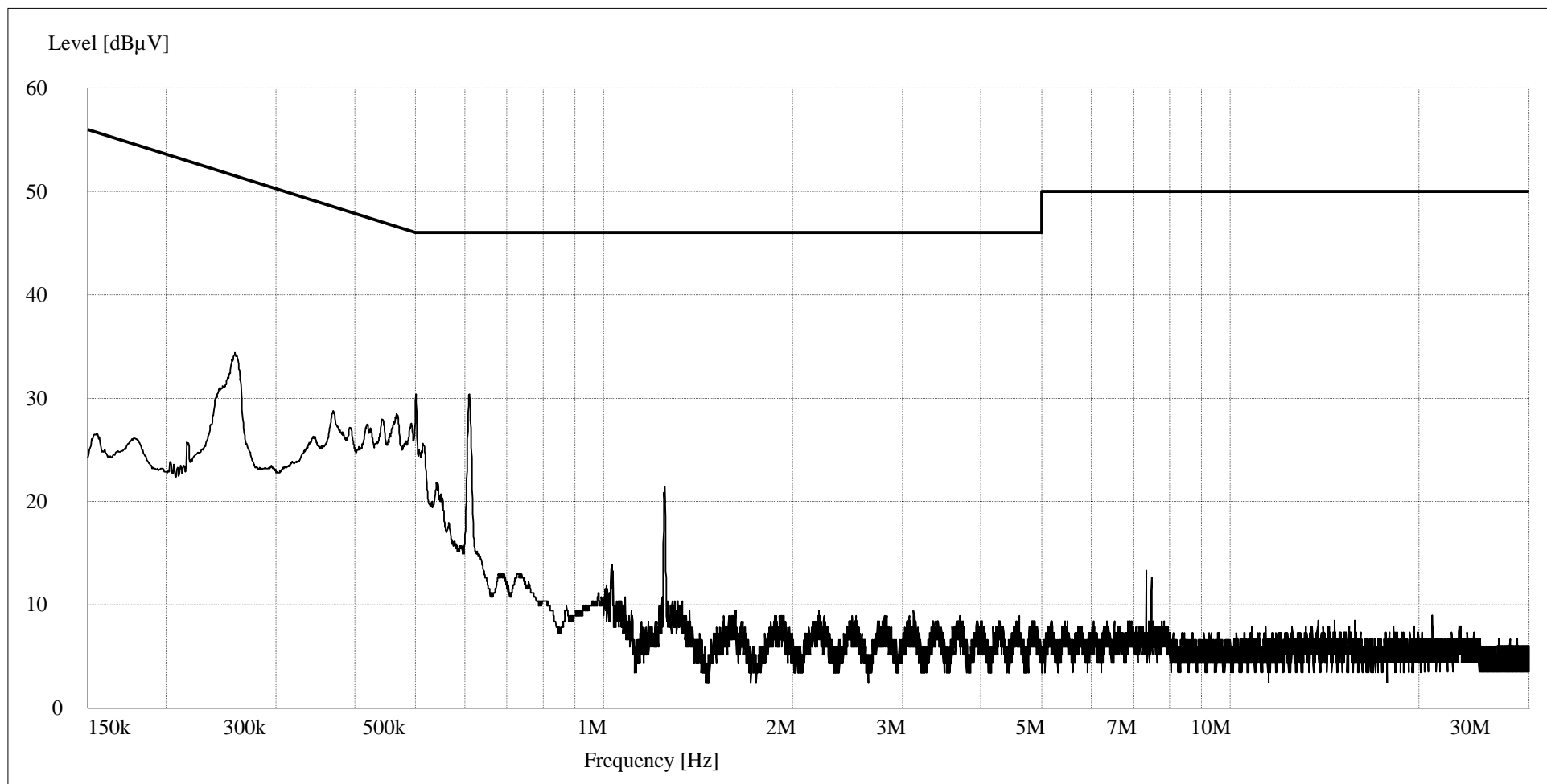
# RETLIF TESTING LABORATORIES

Test Method	Conducted Emissions 150 kHz to 30 MHz		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model No.	BCM00100U	Serial No.	100-006-159
Operating Mode	Live streaming video to iPod		
Test Specification	FCC Part 15. 207(a)		
Technician	M. Seamans	Date	October 6 <sup>th</sup> , 2015
Climatic Conditions	Temp: 21.0 °C      Relative Humidity: 40.0 %		
Lead Tested	120 VAC 60 Hz Neutral      Peak Readings to Quasi-Peak Limits.		



# RETLIF TESTING LABORATORIES

Test Method	Conducted Emissions 150 kHz to 30 MHz		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model No.	BCM00100U	Serial No.	100-006-159
Operating Mode	Live streaming video to iPod		
Test Specification	FCC Part 15. 207(a)		
Technician	M. Seamans	Date	October 6 <sup>th</sup> , 2015
Climatic Conditions	Temp: 21.0 °C    Relative Humidity: 40.0 %		
Lead Tested	120 VAC 60 Hz Hot    Average Readings to Average Limits.		



# RETLIF TESTING LABORATORIES

Test Method	Conducted Emissions 150 kHz to 30 MHz		
Customer	Immedia Semiconductor	Job No.	R-6022N-2
Test Sample	WiFi Connected Home Security Camera		
Model No.	BCM00100U	Serial No.	100-006-159
Operating Mode	Live streaming video to iPod		
Test Specification	FCC Part 15. 207(a)		
Technician	M. Seamans	Date	October 6 <sup>th</sup> , 2015
Climatic Conditions	Temp: 21.0 °C      Relative Humidity: 40.0 %		
Lead Tested	120 VAC 60 Hz Neutral    Average Readings to Average Limits.		

