



FCC Part 15, Subpart C, Section 15.247
Test Report

On

Blink Indoor / Outdoor Camera
FCC ID: 2AF77-H2211672

Customer Name: Immedia Semiconductor, LLC

Customer P.O.: 2D-07536904

Date of Report: May 4, 2022

Test Report No.: R-6689H-1

Test Start Date: April 11, 2022

Test Finish Date: April 18, 2022

Test Engineer: T. Hannemann

Test Technician: M. Seamans

Approved By: T. Hannemann

Report Prepared By: P. Harris



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Technical Information

Report Number: R-6689H-1

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: Blink Indoor / Outdoor Camera

Model Number: BCM00401U*

Serial Number: G8T1-GH02-2112-007F

FCC ID: 2AF77-H2211672

Type: Frequency Hopping Spread Spectrum Transmitter

Power Requirements: (2) 1.5 V AA Batteries, and 120 VAC, 60 Hz

Frequency of Operation: 902.4 MHz to 927.6 MHz

Equipment Class: DSS

Antenna Type: Internal PCB Antenna – 1.4 dBi Gain

Equipment Use: Used in a Home Monitoring System

*Note: Model number BCM00401U was tested as a representative of BCM00411U and BCM00401U, the difference between these two models is the external plastic case color.

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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Report No. R-6689H-1

Tests Performed

FCC Part 15, Subpart C	Test Method
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)(2) and (4)	Peak Conducted Output Power
15.247(d)	Spurious Emissions, 30 MHz to 10 GHz
15.247(d)	Field Strength of Spurious Emissions
Section 15.207 (a)	Conducted Emissions

EUT Operation:

The EUT is a 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 user's device. The EUT can also receive commands from user to start transmission of video or update status

Table 1 – Support Equipment

Description	Manufacturer	Model Number	Serial Number
Laptop PC	HP	Probook 450 G5	5CD88466QTY
Sync Module	Immedia Semiconductor, LLC	BSM00400U	GBT1-V700-1362-1CAD




Retlif Testing Laboratories

Report No. R-6689H-1

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.


Matt Seamans
EMC Test Technician


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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Report No. R-6689H-1

Revision History

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

Revision	Date	Pages Affected
-	May 4, 2022	Original Release



Retlif Testing Laboratories

Report No. R-6689H-1

Requirements and Test Results

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).

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 400.5 kHz which exceeded the maximum 20 dB bandwidth of 114.319 kHz which complies with the requirements specified above.

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 9.704 ms which complied with the above requirements.



Retlif Testing Laboratories

Report No. R-6689H-1

Requirements and Test Results (con't)

FCC Section 15.247 (b)(2) and (4) Peak Conducted Output Power

(1) For frequency hopping systems operating in the 902-928 MHz band employing at least 50 non-overlapping hopping channels: 1 watt. For systems employing less than 50 hopping channels, but at least 25 hopping channels: 0.25 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 1.4 dBi. The maximum peak conducted output power was measured to be 15.45 milliwatts and the EIRP is less than 1W.

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).



Retlif Testing Laboratories

Report No. R-6689H-1

Requirements and Test Results (con't)

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 (MHz)	Field Strength (microvolts/meter)	Measurement Distance (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.



Retlif Testing Laboratories

Report No. R-6689H-1

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 μ V/m

M_R = Uncorrected Meter Reading in dB μ 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 μ 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:

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

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



Retlif Testing Laboratories

Report No. R-6689H-1

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.

D = Minimum Separation Distance in cm

S = Max allowed Power Density in mW/cmsq

Per 1.1310 For the Frequency of 915 MHz S = 0.6 mW/cmsq

Power = Max Power Input to Antenna = 15.45mW

Gain = Max Power Gain of Antenna = 1.4 dBi = 1.38 numeric

$$0.61 \text{ mW/cmsq} = \frac{15.45 \times 1.38}{4 \times (3.14) \times D^2} = \frac{21.32}{12.56 \times D^2}$$

$$D^2 = \frac{21.32}{12.56 \times 0.61}$$

$$D = \sqrt{1.04} = 1.02 \text{ cm}$$

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



Retlif Testing Laboratories

Report No. R-6689H-1

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 μ 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 μ 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.



Retlif Testing Laboratories

Report No. R-6689H-1

Equipment List

FCC Section 15.247(a)(1) Channel Separation

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
5231	AGILENT / HP	E4440A	ANALYZER, SPECTRUM, 3 Hz - 26.5 GHz	US41421338	7/31/2022
5251	DIGI-SENSE	20250-30	HYGROMETER, 0 - 50 deg. c, 10 - 90 % RH	192317829	10/31/2022
5259	DYNAWAVE	DT-NS-072	CABLE, COAXIAL, DC - 26.5 GHz	16322213	1/31/2023

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

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
5231	AGILENT / HP	E4440A	ANALYZER, SPECTRUM, 3 Hz - 26.5 GHz	US41421338	7/31/2022
5251	DIGI-SENSE	20250-30	HYGROMETER, 0 - 50 deg. c, 10 - 90 % RH	192317829	10/31/2022
5259	DYNAWAVE	DT-NS-072	CABLE, COAXIAL, DC - 26.5 GHz	16322213	1/31/2023

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

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
5231	AGILENT / HP	E4440A	ANALYZER, SPECTRUM, 3 Hz - 26.5 GHz	US41421338	7/31/2022
5251	DIGI-SENSE	20250-30	HYGROMETER, 0 - 50 deg. c, 10 - 90 % RH	192317829	10/31/2022
5259	DYNAWAVE	DT-NS-072	CABLE, COAXIAL, DC - 26.5 GHz	16322213	1/31/2023

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

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
5231	AGILENT / HP	E4440A	ANALYZER, SPECTRUM, 3 Hz - 26.5 GHz	US41421338	7/31/2022
5251	DIGI-SENSE	20250-30	HYGROMETER, 0 - 50 deg. c, 10 - 90 % RH	192317829	10/31/2022
5259	DYNAWAVE	DT-NS-072	CABLE, COAXIAL, DC - 26.5 GHz	16322213	1/31/2023

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

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
5231	AGILENT / HP	E4440A	ANALYZER, SPECTRUM, 3 Hz - 26.5 GHz	US41421338	7/31/2022
5251	DIGI-SENSE	20250-30	HYGROMETER, 0 - 50 deg. c, 10 - 90 % RH	192317829	10/31/2022
5259	DYNAWAVE	DT-NS-072	CABLE, COAXIAL, DC - 26.5 GHz	16322213	1/31/2023



Retlif Testing Laboratories

Report No. R-6689H-1

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

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
1232	AGILENT / HP	8449B	PRE-AMPLIFIER, 1 - 26.5 GHz	3008A02451	2/28/2023
3427B	ETS / EMCO	3104	ANTENNA, BICONICAL, 20 - 200 MHz	2315	4/30/2022
4029B	RETLIF	RNH	OPEN AREA TEST SITE, ATTENUATION, 3 / 10 Meters	001	9/30/2023
4029D	RETLIF	RNH	OPEN AREA TEST SITE, SVSWR, 3 Meter, 1 - 18 GHz	3 Meter VSWR	6/30/2022
443	ELECTRO-METRICS	LPA-25	ANTENNA, LOG PERIODIC, 200 MHz - 1000 MHz	1014	1/31/2023
5188	Cybertron	TSVQJA2221	COMPUTER, CONTROL, N/A	NSN	No Calibration Required
5195	ETS / EMCO	3117	ANTENNA, DOUBLE RIDGED GUIDE, 1 - 18	00166762	7/31/2023
5211	COM-POWER	CGO-501	GENERATOR, COMB, 1 MHz - 1 GHz	271123	5/31/2022
5242	TELEDYNE MICROWAVE	PR90-195-1275, 106'	CABLE, COAXIAL, 10 kHz - 6 GHz	N/A	9/30/2022
5259	DYNAWAVE	DT-NS-072	CABLE, COAXIAL, DC - 26.5 GHz	16322213	1/31/2023
5268	MICRO-COAX	UFA147A-0- 0960-30030	CABLE, COAXIAL, 10 kHz - 40 GHz	313738-012	5/31/2022
712	ROHDE & SCHWARZ	ESIB26	RECEIVER, EMI, 20 Hz - 26.5 GHz	834000/006	2/28/2023

FCC Section 15.207(a) Conducted Emissions

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
5137	NARDA MICROWAVE	768-10	ATTENUATOR, COAXIAL, 10 dB, DC - 11 GHz, 20 W	0206	10/31/2022
5188	Cybertron	TSVQJA2221	COMPUTER, CONTROL, N/A	NSN	No Calibration Required
5209	SOLAR ELECTRONICS	21106-50-BP-25- BNC	LISN, 50 uH, 150 kHz - 30 MHz	21106160202	4/30/2022
5210	SOLAR ELECTRONICS	21106-50-BP-25- BNC	LISN, 50 uH, 150 kHz - 30 MHz	21106160201	4/30/2022
5218	COM-POWER	CGC-510E	GENERATOR, COMB, 100 kHz - 400 MHz	311798	8/31/2022
5251	DIGI-SENSE	20250-30	HYGROMETER, 0 - 50 deg. c, 10 - 90 % RH	192317829	10/31/2022
712	ROHDE & SCHWARZ	ESIB26	RECEIVER, EMI, 20 Hz - 26.5 GHz	834000/006	2/28/2023



Retlif Testing Laboratories

Report No. R-6689H-1

**FCC Section 15.247(a)(1)
Channel Separation
Test Data**

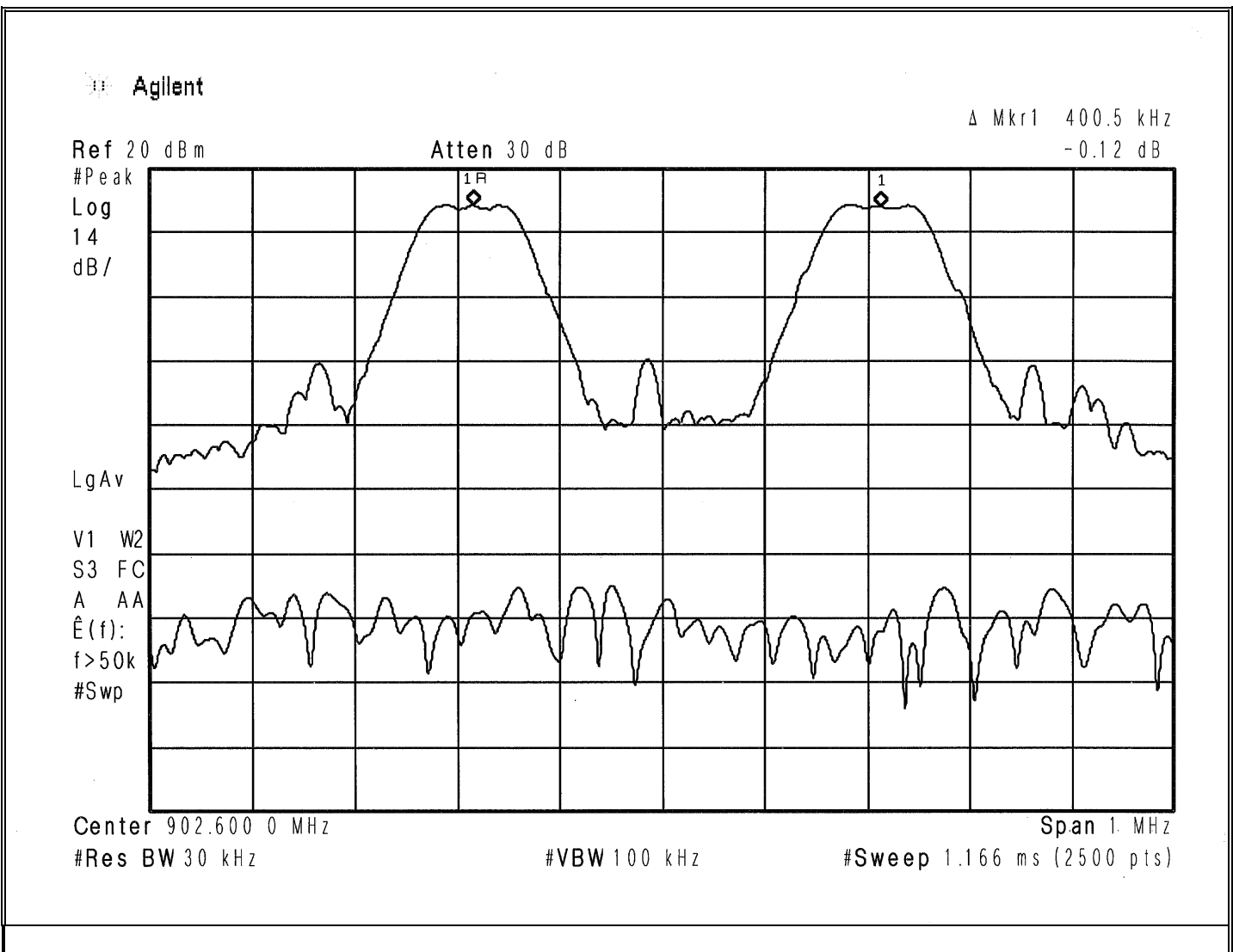


Retlif Testing Laboratories

Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Channel Separation
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(1)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 14 th , 2022
Temp/ Relative Humidity:	23.4 °C / 30.0 %
Result:	Channel Separation: 400.5 kHz



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Report No. R-6689H-1

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



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Report No. R-6689H-1

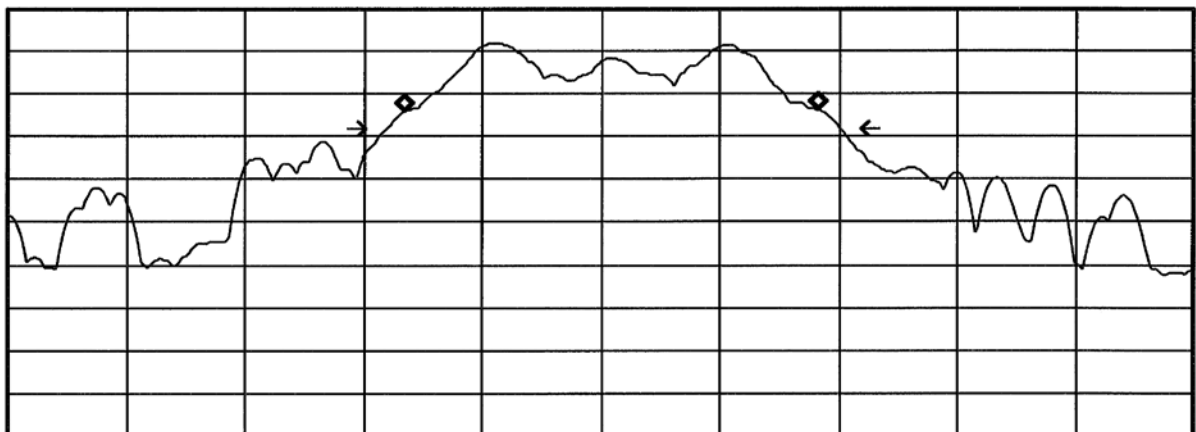
EMISSIONS TEST DATA SHEET

Method:	Occupied Bandwidth
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(i)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 18 th , 2022
Temp/ Relative Humidity:	17.1 °C / 33.0 %
Result:	20dB Bandwidth: 114.807 kHz

Ref 20 dBm

Atten 30 dB

#Peak
Log
10
dB/



M1 S2

Center 902.410 0 MHz

Span 300 kHz

#Res BW 10 kHz

#VBW 30 kHz

Sweep 2.88 ms (601 pts)

Occupied Bandwidth
104.2154 kHz

Occ BW % Pwr 99.00 %
x dB -20.00 dB

Transmit Freq Error 2.588 kHz
x dB Bandwidth 114.807 kHz

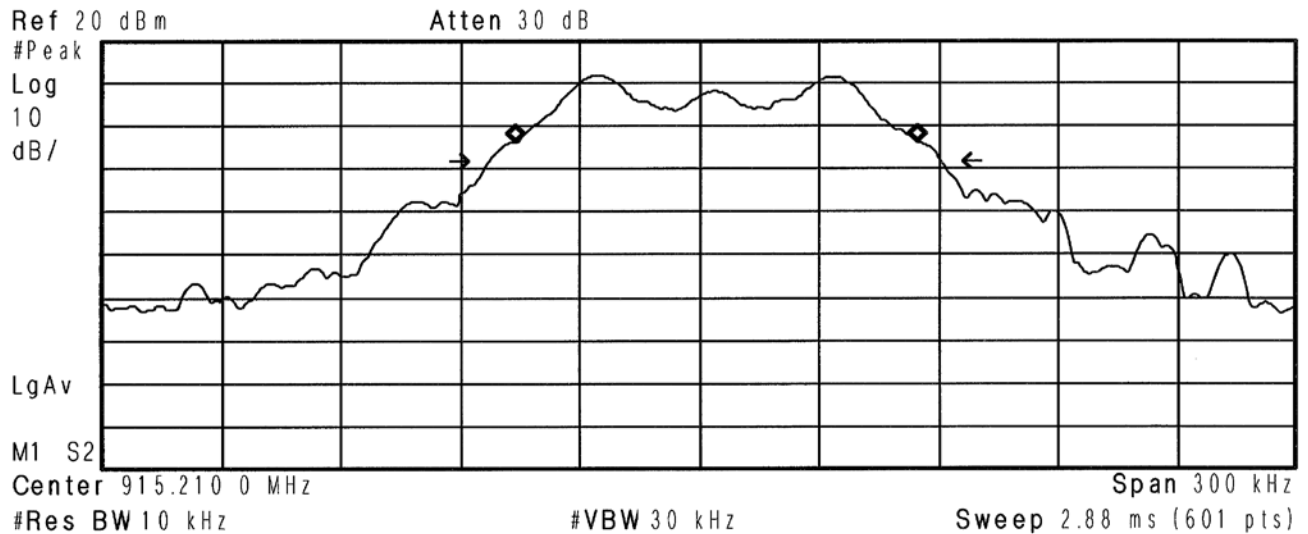


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Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Occupied Bandwidth
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(i)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 18 th , 2022
Temp/ Relative Humidity:	17.1 °C / 33.0 %
Result:	20dB Bandwidth: 114.015 kHz



Occupied Bandwidth
101.1385 kHz

Occ BW % Pwr 99.00 %
x dB -20.00 dB

Transmit Freq Error 4.274 kHz
x dB Bandwidth 114.015 kHz

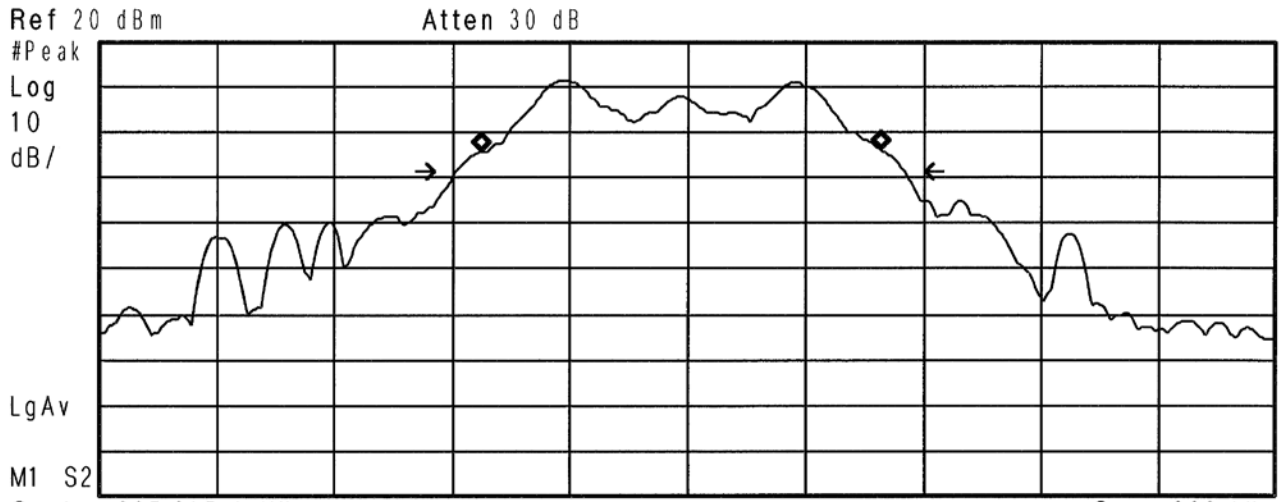


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Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Occupied Bandwidth
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(i)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 18 th , 2022
Temp/ Relative Humidity:	17.1 °C / 33.0 %
Result:	20dB Bandwidth: 114.319 kHz



Center 927.617 1 MHz Span 300 kHz
 #Res BW 10 kHz #VBW 30 kHz Sweep 2.88 ms (601 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 102.0505 kHz x dB -20.00 dB

Transmit Freq Error -1.933 kHz
 x dB Bandwidth 114.319 kHz



Retlif Testing Laboratories

Report No. R-6689H-1

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



Retlif Testing Laboratories

Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Time of Occupancy
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(i)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 14 th , 2022
Temp/ Relative Humidity:	23.4 °C / 30.0 %
Result:	Time of Occupancy: 9.704ms (1 pulse in 20 second window)

Agilent

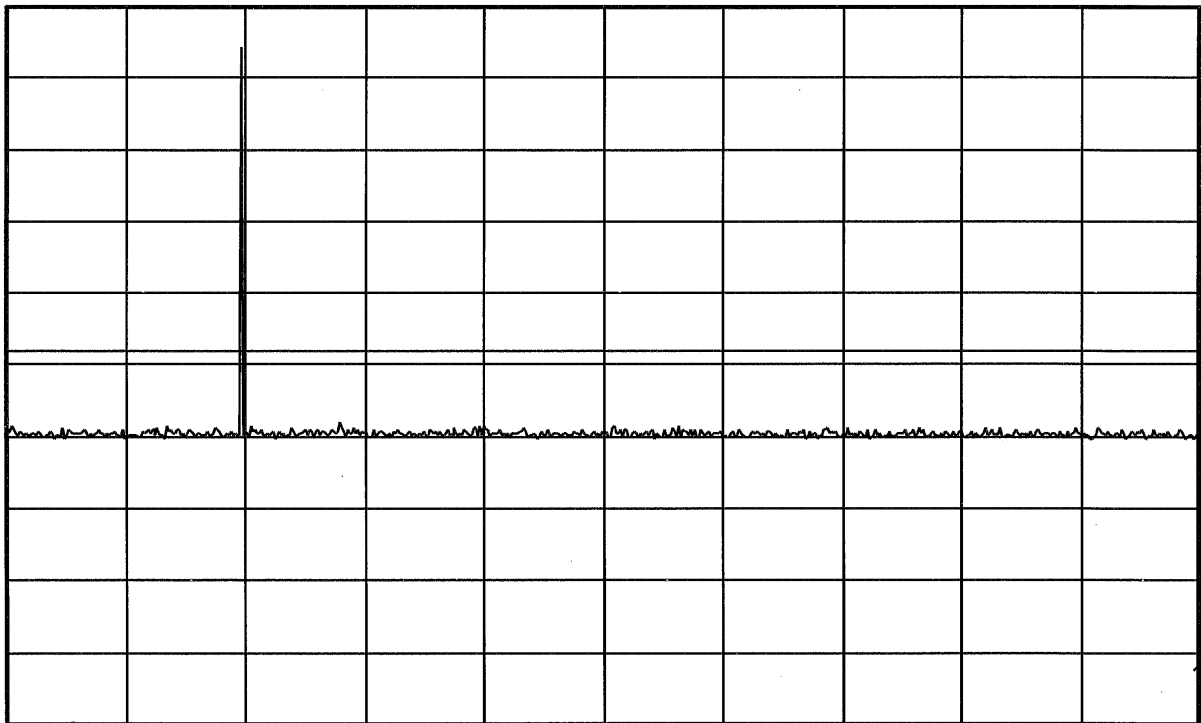
Ref 20 dBm

Atten 30 dB

#Peak
Log
14
dB/

LgAv

V1 S2
S3 VS
A AA
Ê (f):
f > 50k



Center 902.814 MHz

Span 0 Hz

Res BW 100 kHz

#VBW 300 kHz

Sweep 20 s (600 pts)

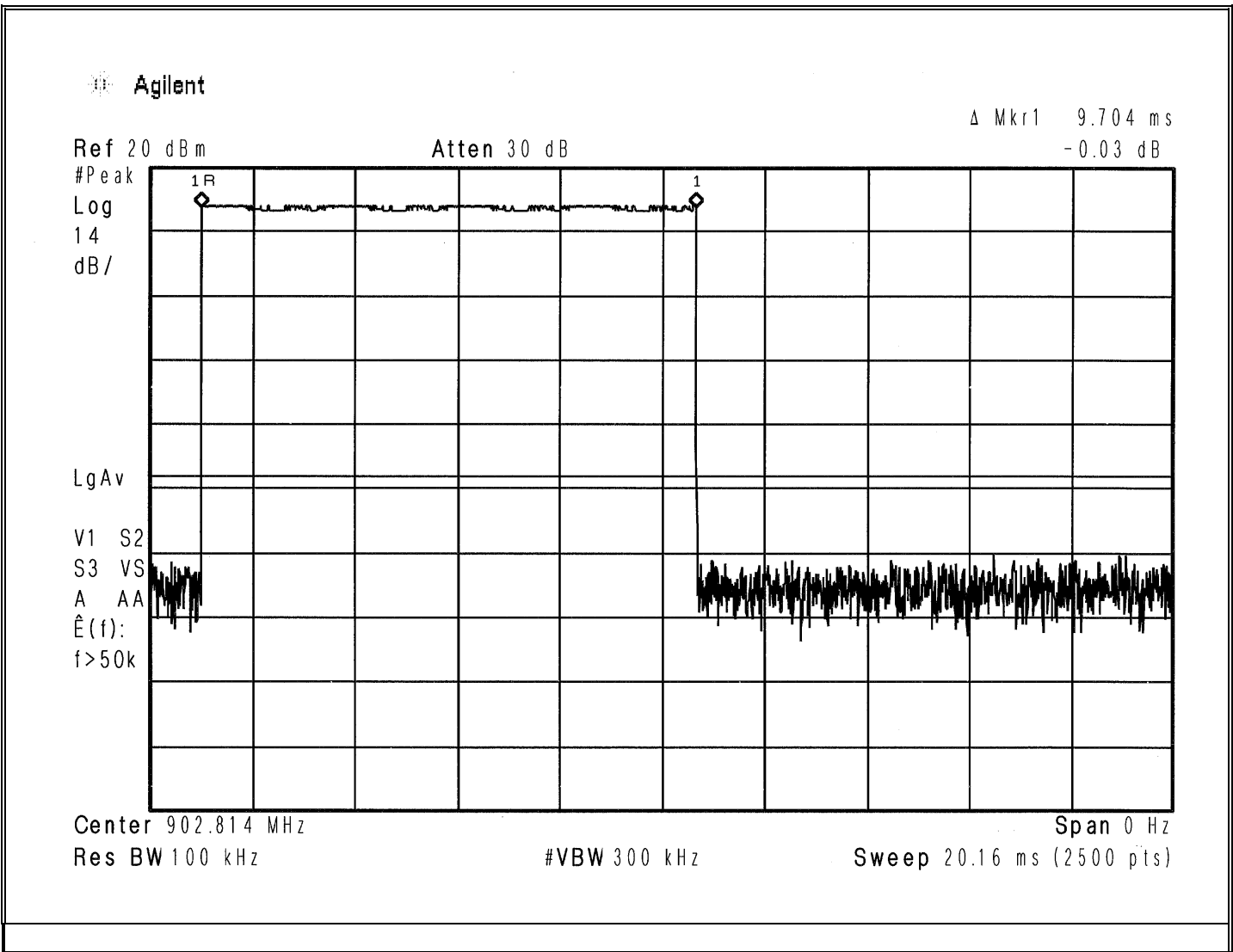


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Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Time of Occupancy
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(i)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 14 th , 2022
Temp/ Relative Humidity:	23.4 °C / 30.0 %
Result:	Time of Occupancy: 9.704ms (1 pulse in 20 second window)



Retlif Testing Laboratories

Report No. R-6689H-1

**Number of Hopping Frequencies
Test Data**

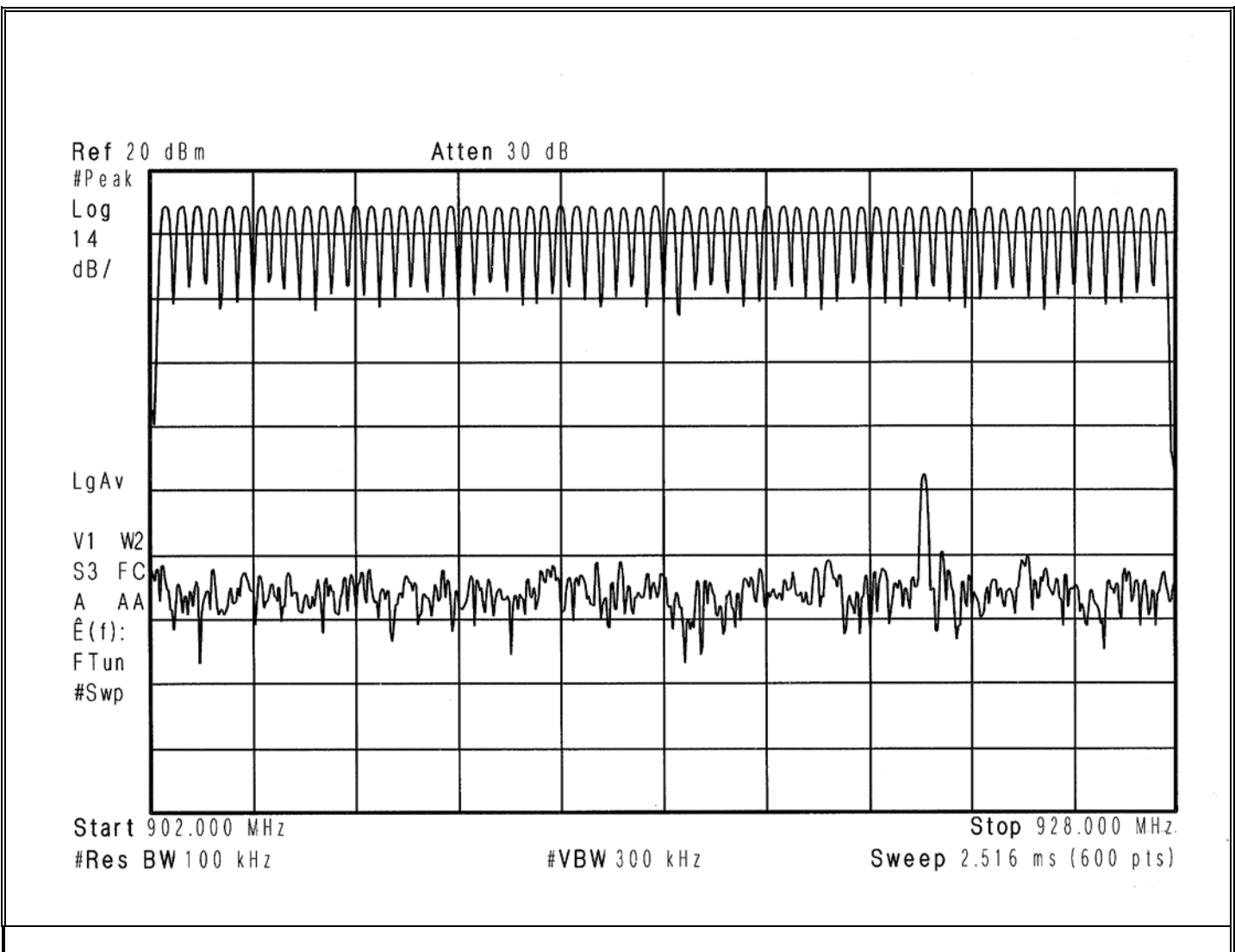


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Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Number of Hopping Channels
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(i)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 14 th , 2022
Temp/ Relative Humidity:	23.4 °C / 30.0 %
Result:	Number of Hopping Channels: 64



Retlif Testing Laboratories

Report No. R-6689H-1

**FCC Section 15.247 (b)(2)
Peak Conducted Output Power
Test Data**

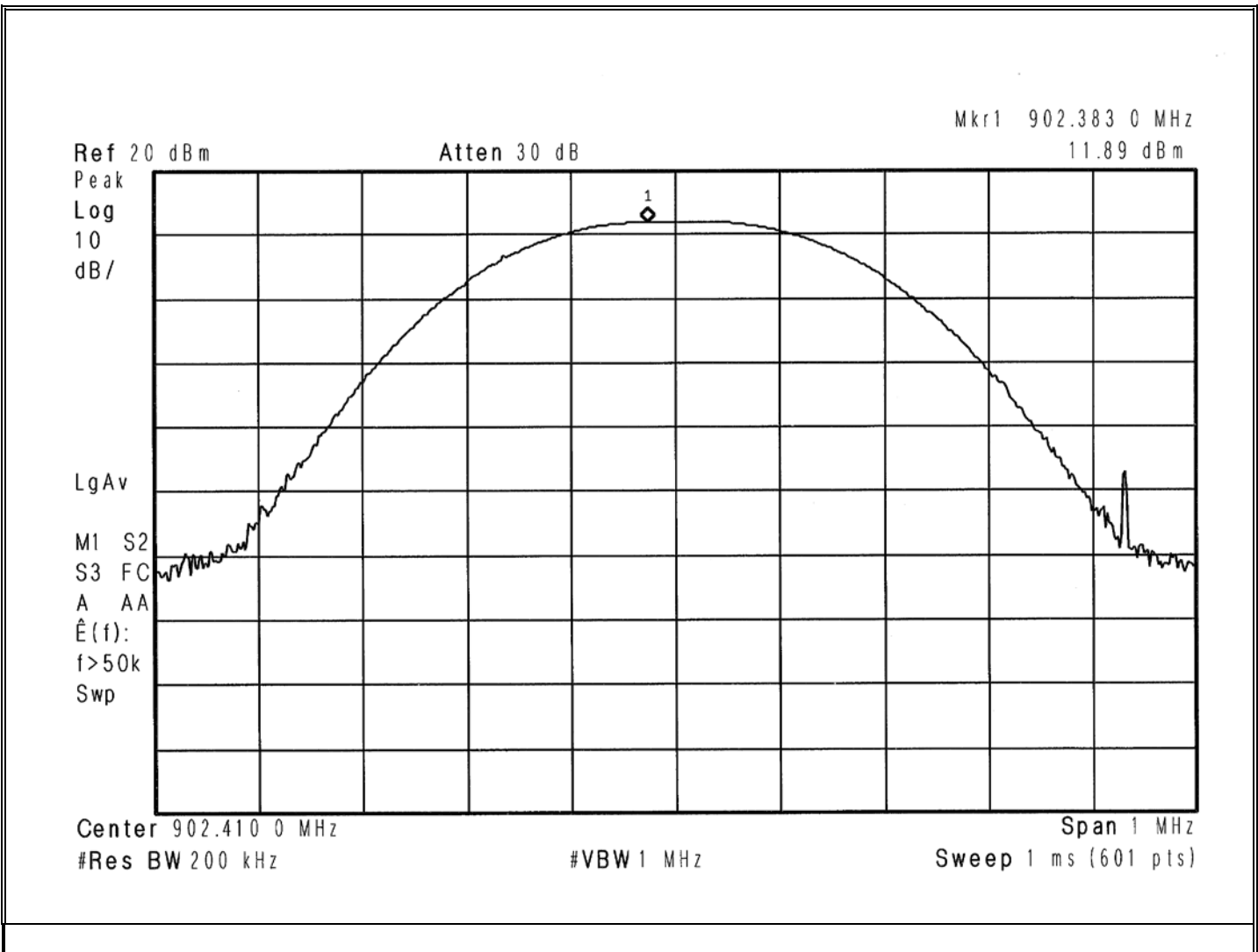


Retlif Testing Laboratories

Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Power Output
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (b)(2)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 18 th , 2022
Temp/ Relative Humidity:	19.9 °C / 32.0 %
Result:	Power Output: 11.89 dBm

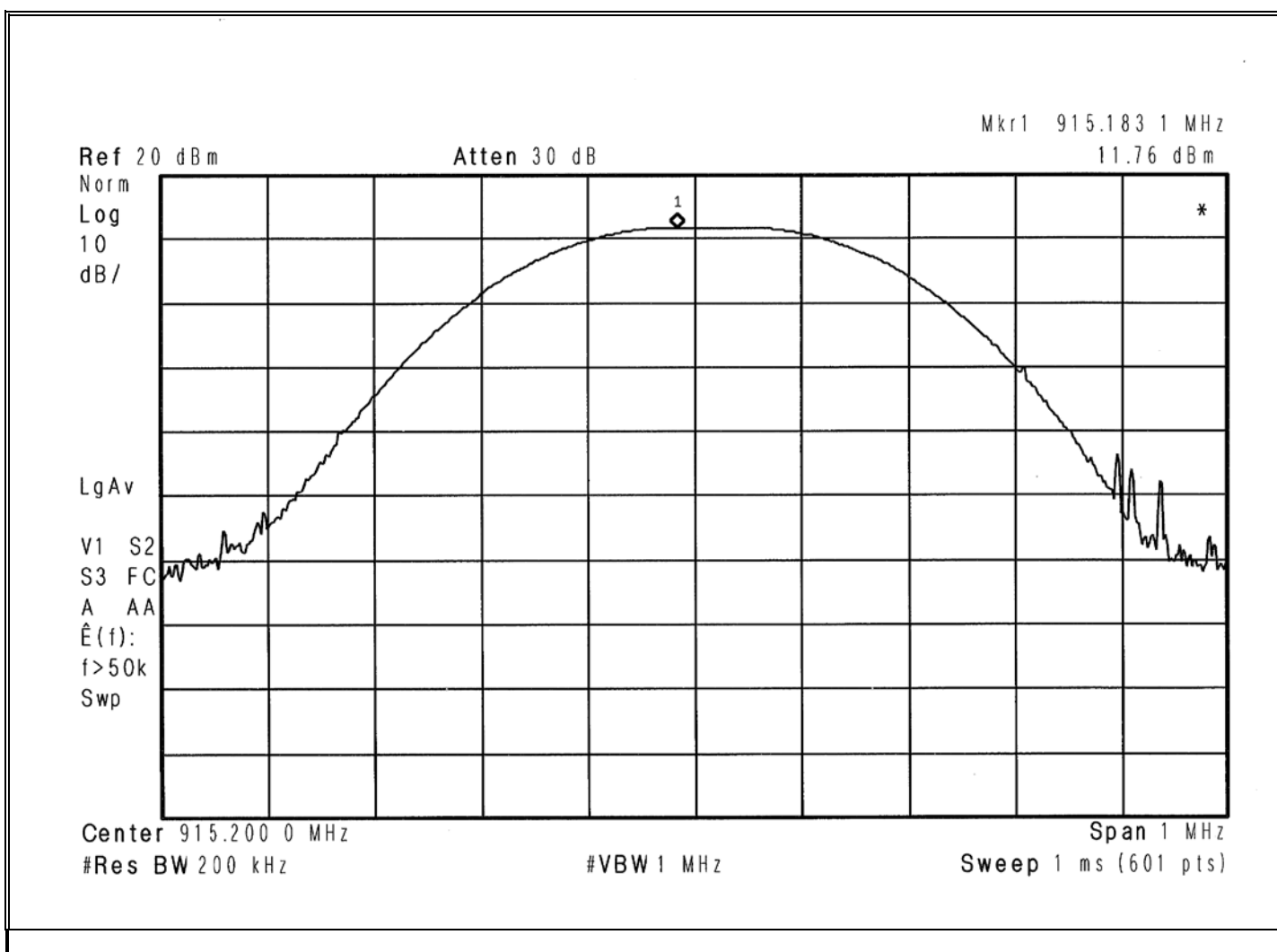


Retlif Testing Laboratories

Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Power Output
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (b)(2)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 18 th , 2022
Temp/ Relative Humidity:	19.9 °C / 32.0 %
Result:	Power Output: 11.76 dBm

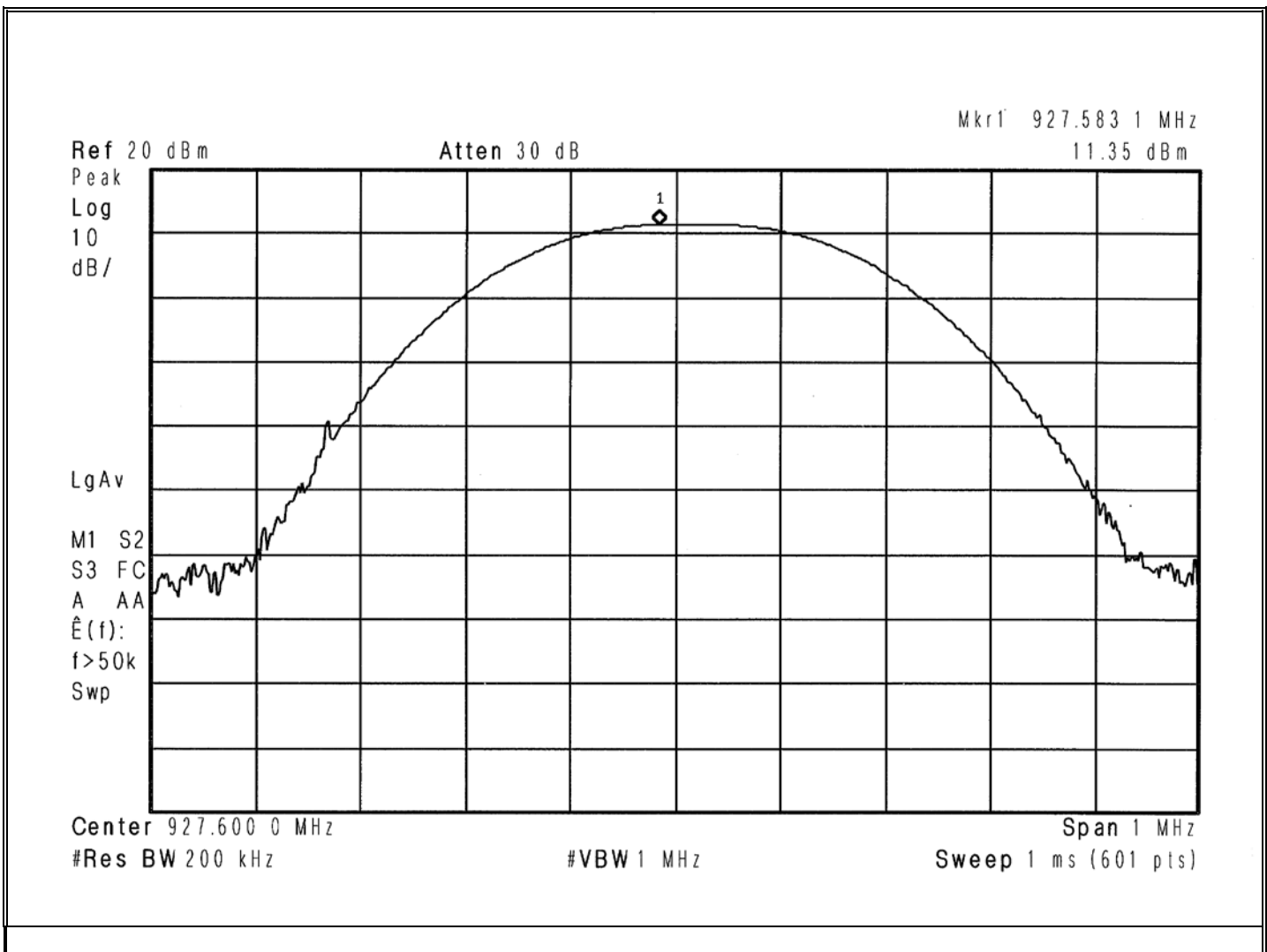


Retlif Testing Laboratories

Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Power Output
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (b)(2)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 18 th , 2022
Temp/ Relative Humidity:	19.9 °C / 32.0 %
Result:	Power Output: 11.35 dBm



Retlif Testing Laboratories

Report No. R-6689H-1

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



Retlif Testing Laboratories

Report No. R-6689H-1

**Out Of Band
Test Data**



Retlif Testing Laboratories

Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Conducted Out of Band
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 18 th , 2022
Temp/ Relative Humidity:	20.0 °C / 30.0 %
Notes:	Limit: -8.11 dBm

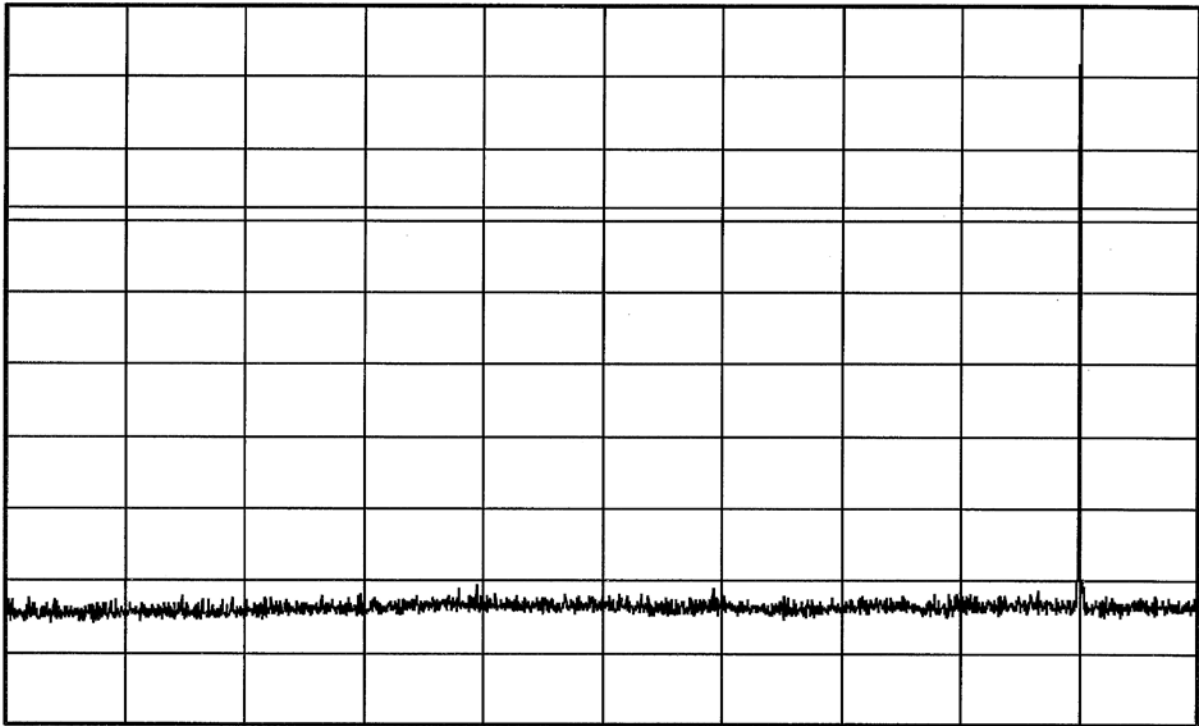
Ref 20 dBm

Atten 30 dB

#Peak
Log
10
dB/

DI
-8.1
dBm
LgAv

V1 S2
S3 FC
A AA
Ê(f):
FTun
Swp



Start 25.0 MHz

Stop 1.000 0 GHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 93.3 ms (2500 pts)

25 MHz to 1 GHz

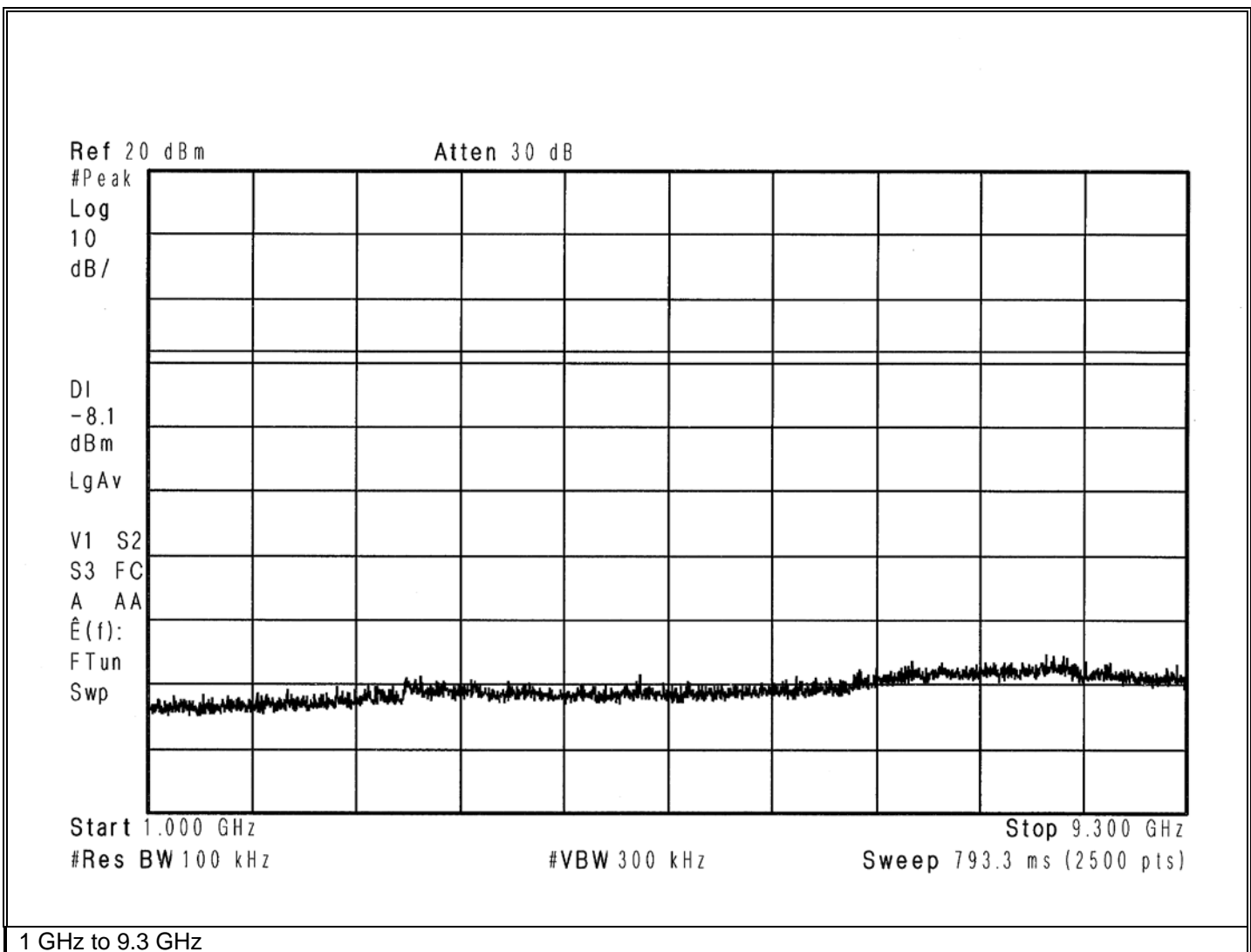


Retlif Testing Laboratories

Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Conducted Out of Band
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 18 th , 2022
Temp/ Relative Humidity:	20.0 °C / 30.0 %
Notes:	Limit: -8.11 dBm



Retlif Testing Laboratories

Report No. R-6689H-1

**Band Edge
Test Data**

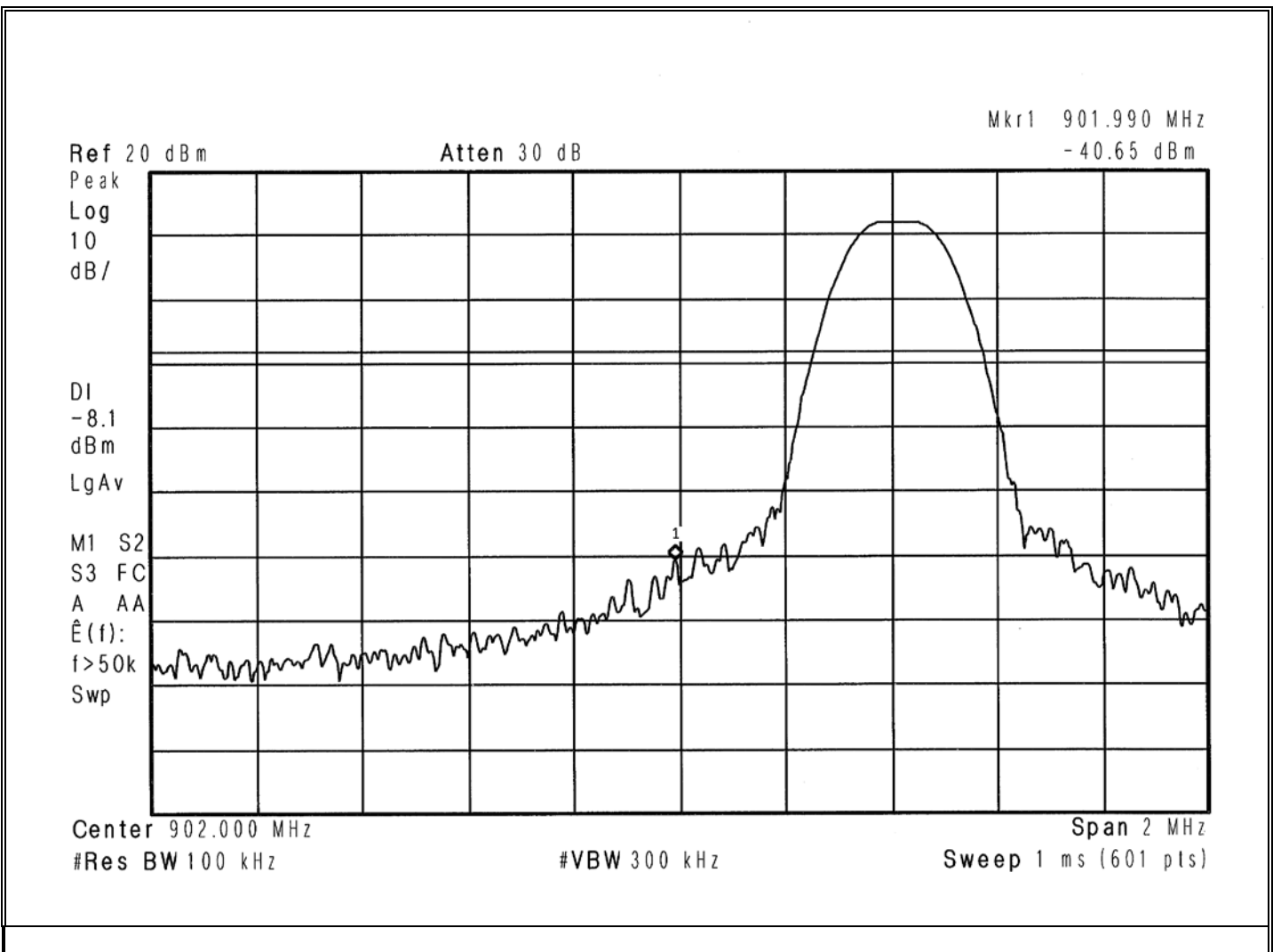


Retlif Testing Laboratories

Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Band Edge
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 18 th , 2022
Temp/ Relative Humidity:	20.0 °C / 30.0 %
Notes:	Limit: -8.11 dBm

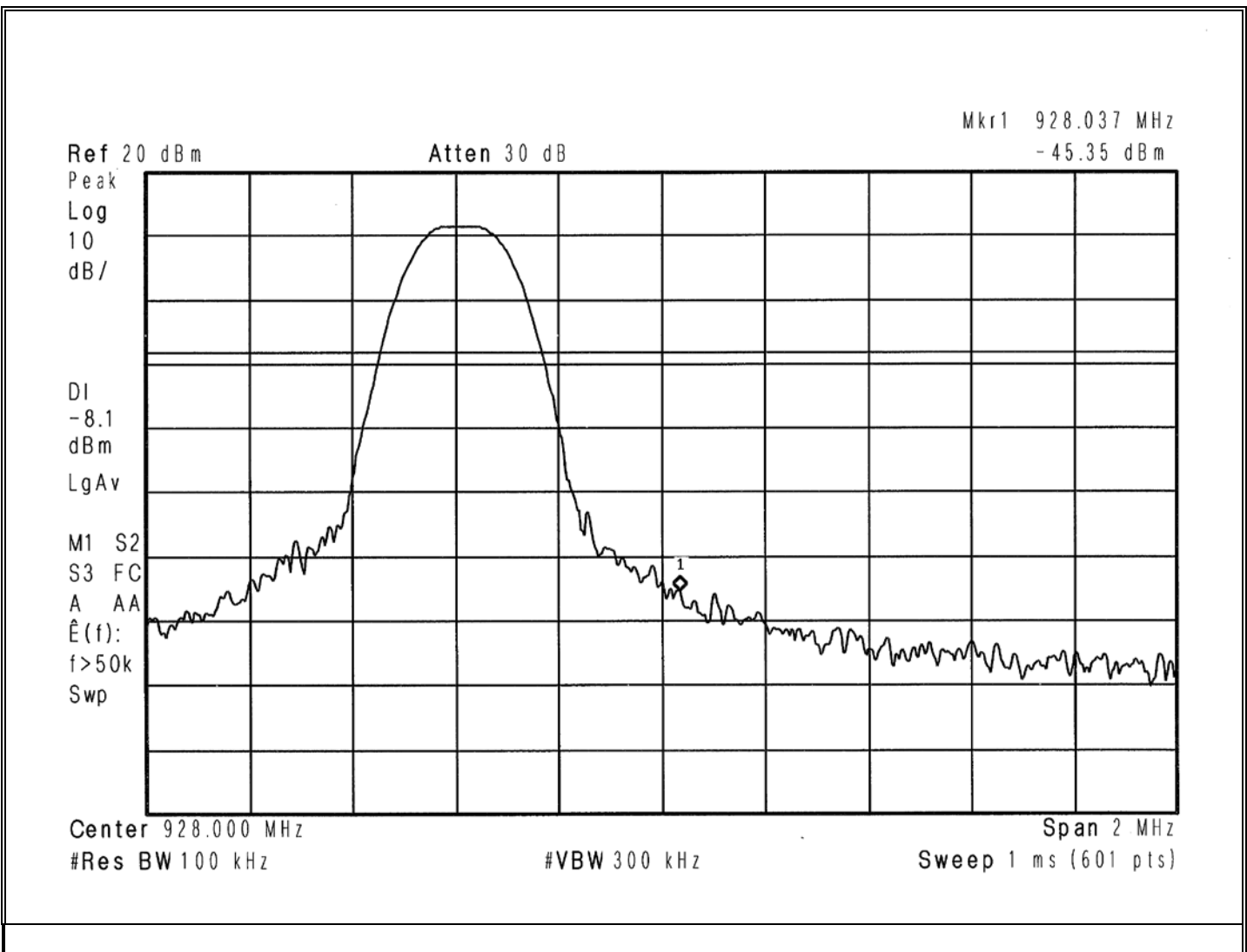


Retlif Testing Laboratories

Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Band Edge
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal
Technician:	M. Seamans
Date(s):	April 18 th , 2022
Temp/ Relative Humidity:	20.0 °C / 30.0 %
Notes:	Limit: -8.11 dBm

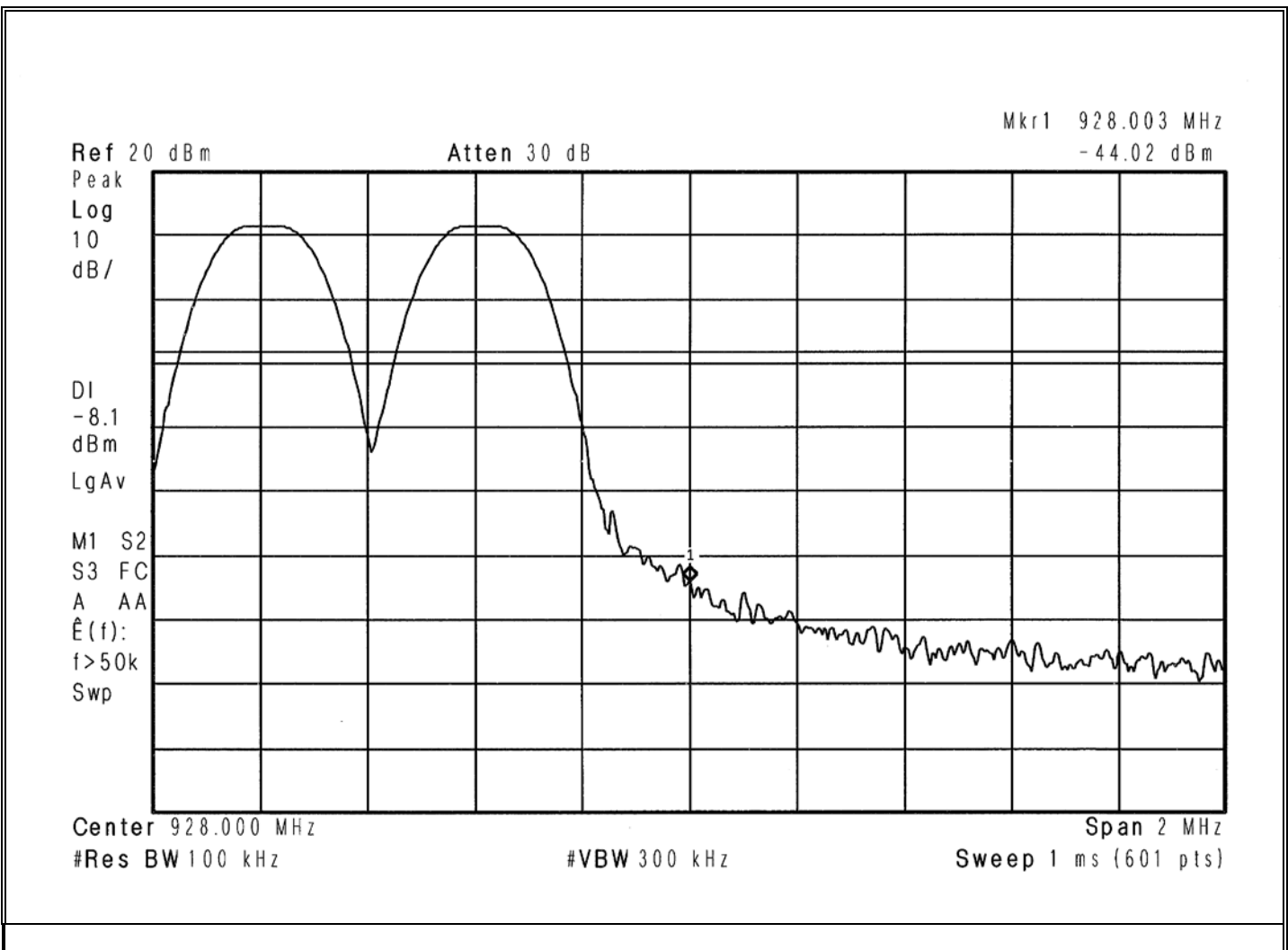


Retlif Testing Laboratories

Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Method:	Band Edge
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6689H-1
Customer:	Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting modulated signal (Hopping)
Technician:	M. Seamans
Date(s):	April 18 th , 2022
Temp/ Relative Humidity:	20.0 °C / 30.0 %
Notes:	Limit: -8.11 dBm



Retlif Testing Laboratories

Report No. R-6689H-1

**Unwanted Emissions in Restricted Frequency Bands
25 MHz to 9.3 GHz
Test Data**



Retlif Testing Laboratories

Report No. R-6689H-1

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions in Restricted Frequency Bands	
Customer	Immedia Semiconductor, LLC.	
Job Number	R-6698H-1	
Test Sample	Blink Indoor/Outdoor Camera	
Model Number	BCM00401U	
Serial Number	G8T1-GH02-2112-007F	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	April 18 th , 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Quasi-Peak < 1GHz, Average >1GHz Measurements)
Antenna gain value of 1.4 dBi was utilized for this test.

TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Antenna Gain			Corrected Reading	Converted Field Strength	Converted Reading	Limit
MHz	MHz	dBm	dB			dBm	dBuV/m	uV/m	uV/m
37.50	-	-	-			-	-	-	100.00
	38.00*	-73.76	-			-73.76	21.498	11.882	
38.25	-	-	-			-	-	-	100.00
73.00	-	-	-			-	-	-	100.00
	74.00*	-73.77	-			-73.77	21.488	11.868	
74.60	-	-	-			-	-	-	100.00
74.80	-	-	-			-	-	-	100.00
	75.00*	-73.81	-			-73.81	21.448	11.814	
75.20	-	-	-			-	-	-	100.00
108.00	-	-	-			-	-	-	100.00
	115.00*	-73.70	-			-73.70	21.558	11.964	
121.94	-	-	-			-	-	-	100.00
123.00	-	-	-			-	-	-	100.00
	130.00*	-73.71	-			-73.71	21.548	11.950	
138.00	-	-	-			-	-	-	100.00

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-6689H-1

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands		
Customer	Immedia Semiconductor, LLC.		
Job Number	R-6698H-1		
Test Sample	Blink Indoor/Outdoor Camera		
Model Number	BCM00401U		
Serial Number	G8T1-GH02-2112-007F		
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)	
Operating Mode	Transmitting modulated signal		
Technician	M. Seamans		
Date	April 18 th , 2022		

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Quasi-Peak < 1GHz, Average >1GHz Measurements)
 Antenna gain value of 1.4 dBi was utilized for this test.

TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Antenna Gain			Corrected Reading	Converted Field Strength	Converted Reading	Limit at 3M
MHz	MHz	dBm	dB			dBm	dBuV/m	uV/m	uV/m
149.90	-	-	-			-	-	-	100.00
	150.00*	-73.65	-			-73.65	21.608	12.033	
150.05	-	-	-			-	-	-	100.00
156.52	-	-	-			-	-	-	100.00
	156.52*	-73.61	-			-73.61	21.648	12.089	
156.52	-	-	-			-	-	-	100.00
156.70	-	-	-			-	-	-	100.00
	156.80*	-73.61	-			-73.61	21.648	12.089	
156.90	-	-	-			-	-	-	100.00
162.01	-	-	-			-	-	-	150.00
	165.00*	-73.62	-			-73.62	21.638	12.075	
167.17	-	-	-			-	-	-	150.00
167.72	-	-	-			-	-	-	150.00
	170.00*	-73.66	-			-73.66	21.598	12.019	
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-6689H-1

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Immedia Semiconductor, LLC.	
Job Number	R-6698H-1	
Test Sample	Blink Indoor/Outdoor Camera	
Model Number	BCM00401U	
Serial Number	G8T1-GH02-2112-007F	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	April 18 th , 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Quasi-Peak < 1GHz, Average >1GHz Measurements)
 Antenna gain value of 1.4 dBi was utilized for this test.

TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Antenna Gain			Corrected Reading	Converted Field Strength	Converted Reading	Limit at 3M
MHz	MHz	dBm	dB			dBm	dBuV/m	uV/m	uV/m
240.00	-	-	-			-	-	-	200.00
	260.00*	-73.41	-			-73.41	21.848	12.370	
285.00	-	-	-			-	-	-	200.00
322.80	-	-	-			-	-	-	200.00
	330.00*	-73.30	-			-73.30	21.958	12.528	
335.40	-	-	-			-	-	-	200.00
399.90	-	-	-			-	-	-	200.00
	405.00*	-73.15	-			-73.15	22.108	12.746	
410.00	-	-	-			-	-	-	200.00
608.00	-	-	-			-	-	-	200.00
	611.00*	-72.95	-			-72.95	22.308	13.043	
614.00	-	-	-			-	-	-	200.00
960.00	-	-	-			-	-	-	500.00
	975.00*	-72.78	-			-72.78	22.478	13.301	
1240.00	-	-	-			-	-	-	500.00
1300.00	-	-	-			-	-	-	500.00
	1350.00*	-68.41	-			-68.41	26.848	21.998	
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-6689H-1

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands		
Customer	Immedia Semiconductor, LLC.		
Job Number	R-6698H-1		
Test Sample	Blink Indoor/Outdoor Camera		
Model Number	BCM00401U		
Serial Number	G8T1-GH02-2112-007F		
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)	
Operating Mode	Transmitting modulated signal		
Technician	M. Seamans		
Date	April 18 th , 2022		

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Average Measurements)
Antenna gain value of 1.4 dBi was utilized for this test.

TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Antenna Gain			Corrected Reading	Converted Field Strength	Converted Reading	Limit at 3M
MHz	MHz	dBm	dB			dBm	dBuV/m	uV/m	uV/m
1435.00	-	-	-			-	-	-	500.00
	1500.00*	-76.97	-			-76.97	18.288	8.210	
1646.50	-	-	-			-	-	-	500.00
1660.00	-	-	-			-	-	-	500.00
	1680.00*	-77.41	-			-77.41	17.848	7.805	
1710.00	-	-	-			-	-	-	500.00
1718.80	-	-	-			-	-	-	500.00
	1720.00*	-77.17	-			-77.17	18.088	8.023	
1722.20	-	-	-			-	-	-	500.00
2200.00	-	-	-			-	-	-	500.00
	2250.00*	-71.91	-			-71.91	23.348	14.702	
2300.00	-	-	-			-	-	-	500.00
2310.00	-	-	-			-	-	-	500.00
	2390.00*	-72.56	-			-72.56	22.698	13.642	
2390.00	-	-	-			-	-	-	500.00
2483.50	-	-	-			-	-	-	500.00
	2483.50*	-72.43	-			-72.43	22.828	13.848	
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)



Retlif Testing Laboratories

Report No. R-6689H-1

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands		
Customer	Immedia Semiconductor, LLC.		
Job Number	R-6698H-1		
Test Sample	Blink Indoor/Outdoor Camera		
Model Number	BCM00401U		
Serial Number	G8T1-GH02-2112-007F		
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)	
Operating Mode	Transmitting modulated signal		
Technician	M. Seamans		
Date	April 18 th , 2022		

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Average Measurements)
Antenna gain value of 1.4 dBi was utilized for this test.

TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Antenna Gain			Corrected Reading	Converted Field Strength	Converted Reading	Limit at 3M
MHz	MHz	dBm	dB			dBm	dBuV/m	uV/m	uV/m
2690.00	-	-	-			-	-	-	500.00
	2750.00*	-76.91	-			-76.91	18.348	8.267	
2900.00	-	-	-			-	-	-	500.00
3260.00	-	-	-			-	-	-	500.00
	3263.00*	-76.69	-			-76.69	18.568	8.479	
3267.00	-	-	-			-	-	-	500.00
3332.00	-	-	-			-	-	-	500.00
	3336.00*	-76.65	-			-76.65	18.608	8.518	
3339.00	-	-	-			-	-	-	500.00
3345.00	-	-	-			-	-	-	500.00
	3350.00*	-76.30	-			-76.30	18.958	8.869	
3358.00	-	-	-			-	-	-	500.00
3600.00	-	-	-			-	-	-	500.00
	3700.00*	-76.40	-			-76.40	18.858	8.767	
4400.00	-	-	-			-	-	-	500.00
4500.00	-	-	-			-	-	-	500.00
	4874.00*	-76.30	-			-76.30	18.958	8.869	
5150.00	-	-	-			-	-	-	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-6689H-1

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Immedia Semiconductor, LLC.	
Job Number	R-6698H-1	
Test Sample	Blink Indoor/Outdoor Camera	
Model Number	BCM00401U	
Serial Number	G8T1-GH02-2112-007F	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	April 18 th , 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Average Measurements)
Antenna gain value of 1.4 dBi was utilized for this test.

TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Antenna Gain			Corrected Reading	Converted Field Strength	Converted Reading	Limit at 3M
MHz	MHz	dBm	dB			dBm	dBuV/m	uV/m	uV/m
5350.00	-	-	-			-	-	-	500.00
	5400.00*	-75.57	-			-75.57	19.688	9.646	
5460.00	-	-	-			-	-	-	500.00
7250.00	-	-	-			-	-	-	500.00
	7311.00*	-76.46	-			-76.46	18.798	8.707	
7750.00	-	-	-			-	-	-	500.00
8025.00	-	-	-			-	-	-	500.00
	8300.00*	-75.94	-			-75.94	19.318	9.244	
8500.00	-	-	-			-	-	-	500.00
9000.00	-	-	-			-	-	-	500.00
	9100.00*	-76.01	-			-76.01	19.248	9.170	
9200.00	-	-	-			-	-	-	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-6689H-1

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Immedia Semiconductor, LLC.	
Job Number	R-6698H-1	
Test Sample	Blink Indoor/Outdoor Camera	
Model Number	BCM00401U	
Serial Number	G8T1-GH02-2112-007F	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	April 18 th , 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Peak Measurements)
 Antenna gain value of 1.4 dBi was utilized for this test.

TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Antenna Gain			Corrected Reading	Converted Field Strength	Converted Reading	Limit at 3M
MHz	MHz	dBm	dB			dBm	dBuV/m	uV/m	uV/m
1300.00	-	-	-			-	-	-	5000.00
	1350.00*	-66.43	-			-66.43	28.828	27.630	
1427.00	-	-	-			-	-	-	5000.00
1435.00	-	-	-			-	-	-	5000.00
	1500.00*	-65.56	-			-65.56	29.698	30.541	
1646.50	-	-	-			-	-	-	5000.00
1660.00	-	-	-			-	-	-	5000.00
	1680.00*	-66.31	-			-66.31	28.948	28.014	
1710.00	-	-	-			-	-	-	5000.00
1718.80	-	-	-			-	-	-	5000.00
	1720.00*	-66.69	-			-66.69	28.568	26.815	
1722.20	-	-	-			-	-	-	5000.00
2200.00	-	-	-			-	-	-	5000.00
	2250.00*	-66.52	-			-66.52	28.738	27.345	
2300.00	-	-	-			-	-	-	5000.00
2310.00	-	-	-			-	-	-	5000.00
	2390.00*	-66.43	-			-66.43	28.828	27.630	
2390.00	-	-	-			-	-	-	5000.00

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-6689H-1

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands		
Customer	Immedia Semiconductor, LLC.		
Job Number	R-6698H-1		
Test Sample	Blink Indoor/Outdoor Camera		
Model Number	BCM00401U		
Serial Number	G8T1-GH02-2112-007F		
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)	
Operating Mode	Transmitting modulated signal		
Technician	M. Seamans		
Date	April 18 th , 2022		

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Peak Measurements)
Antenna gain value of 1.4 dBi was utilized for this test.

TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Antenna Gain			Corrected Reading	Converted Field Strength	Converted Reading	Limit at 3M
MHz	MHz	dBm	dB			dBm	dBuV/m	uV/m	uV/m
2483.50	-	-	-			-	-	-	5000.00
	2483.50*	-63.29	-			-63.29	31.968	39.662	
2500.00	-	-	-			-	-	-	5000.00
2690.00	-	-	-			-	-	-	5000.00
	2750.00*	-62.81	-			-62.81	32.448	41.916	
2900.00	-	-	-			-	-	-	5000.00
3260.00	-	-	-			-	-	-	5000.00
	3263.00*	-65.55	-			-65.55	29.708	30.576	
3267.00	-	-	-			-	-	-	5000.00
3332.00	-	-	-			-	-	-	5000.00
	3336.00*	-65.28	-			-65.28	29.978	31.541	
3339.00	-	-	-			-	-	-	5000.00
3345.00	-	-	-			-	-	-	5000.00
	3350.00*	-64.71	-			-64.71	30.548	33.681	
3358.00	-	-	-			-	-	-	5000.00
3600.00	-	-	-			-	-	-	5000.00
	3700.00*	-64.10	-			-64.10	31.158	36.131	
4400.00	-	-	-			-	-	-	5000.00

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-6689H-1

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands		
Customer	Immedia Semiconductor, LLC.		
Job Number	R-6698H-1		
Test Sample	Blink Indoor/Outdoor Camera		
Model Number	BCM00401U		
Serial Number	G8T1-GH02-2112-007F		
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)	
Operating Mode	Transmitting modulated signal		
Technician	M. Seamans		
Date	April 18 th , 2022		

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Peak Measurements)
 Antenna gain value of 1.4 dBi was utilized for this test.

TEST PARAMETERS

Restricted Band	Measured Frequency	Meter Reading	Antenna Gain			Corrected Reading	Converted Field Strength	Converted Reading	Limit at 3M
MHz	MHz	dBm	dB			dBm	dBuV/m	uV/m	uV/m
4500.00	-	-	-			-	-	-	5000.00
	4874.00*	-63.45	-			-63.45	31.808	38.938	
5150.00	-	-	-			-	-	-	5000.00
5350.00	-	-	-			-	-	-	5000.00
	5400.00*	-63.71	-			-63.71	31.548	37.790	
5460.00	-	-	-			-	-	-	5000.00
7250.00	-	-	-			-	-	-	5000.00
	7311.00	-66.09	-			-66.09	29.168	28.733	
7750.00	-	-	-			-	-	-	5000.00
8025.00	-	-	-			-	-	-	5000.00
	8300.00*	-64.90	-			-64.90	30.358	32.952	
8500.00	-	-	-			-	-	-	5000.00
9000.00	-	-	-			-	-	-	5000.00
	9100.00*	-66.27	-			-66.27	28.988	28.144	
9200.00	-	-	-			-	-	-	5000.00

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-6689H-1

**FCC Section 15.247 (d)
Field Strength of Spurious Emissions
Test Data**



Retlif Testing Laboratories

Report No. R-6689H-1

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Spurious Emissions 30 MHz to 9.3 GHz
Customer	Immedia Semiconductor, LLC.
Job Number	R-6689H-1
Test Sample	Blink Indoor/Outdoor Camera
Model Number	BCM00401U
Serial Number	G8T1-GH02-2112-007F
Test Specification	FCC Part 15.247(d)
Operating Mode	Transmitting Modulated Signal
Technician	M. Seamans
Date	April 13 th , 2022

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

TEST PARAMETERS

Test Frequency	Measured Frequency	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	MHz	dBuV	dB	dBuV/m		uV/m	uV/m
30.00	-	-	-	-		-	100.00
	35.00	5.87	13.23	19.10	*	9.02	
	-	-	-	-		-	
88.00	-	-	-	-		-	100.00
88.00	-	-	-	-		-	150.00
	110.00	7.32	14.78	22.10	*	12.74	
	195.00	8.76	19.75	28.50	*	26.61	
	205.00	6.12	18.38	24.50	*	16.79	
	-	-	-	-		-	
216.00	-	-	-	-		-	150.00
216.00	-	-	-	-		-	200.00
	600.00	8.39	23.41	31.80	*	38.90	
	995.00	8.51	30.59	39.10	*	90.16	
	-	-	-	-		-	
960.00	-	-	-	-		-	200.00
960.00	-	-	-	-		-	500.00
	1050.00	31.91	-6.36	25.55	*	18.95	
	8500.00	29.17	5.18	34.35	*	52.18	
9300.00	-	-	-	-		-	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-6689H-1

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



Retlif Testing Laboratories

Report No. R-6689H-1

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart B, Section 15.207(a), Conducted Emissions
Method:	ANSI C63.4, Section 7., AC power-line conducted emission measurements
Job Number/Customer:	R-6689H-1 / Immedia Semiconductor, LLC.
Test Sample:	Blink Indoor/Outdoor Camera
Model Number:	BCM00401U
Serial Number:	G8T1-GH02-2112-007F
Operating Mode:	Transmitting Modulated Signal
Technician:	M. Seamans
Date(s):	April 13 th , 2022
Temp/ Relative Humidity:	20.7 °C / 34.0 %
Lead Tested:	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
0.490	Hot	33.98	30.00	17.90	56.17	46.17
0.490	Neutral	35.59	29.80	14.80	56.17	46.17
0.520	Hot	29.26	24.50	12.40	56.00	46.00
0.610	Neutral	24.60	17.70	10.90	56.00	46.00
0.861	Hot	24.99	10.50	3.50	56.00	46.00
1.040	Neutral	24.47	12.00	4.40	56.00	46.00
2.759	Hot	22.77	12.70	6.00	56.00	46.00
9.329	Neutral	25.54	25.10	18.10	60.00	50.00
23.581	Hot	19.22	10.90	6.00	60.00	50.00
22.645	Neutral	23.29	15.10	6.00	60.00	50.00
25.643	Hot	15.49	10.00	5.30	60.00	50.00
23.342	Neutral	22.90	14.30	6.00	60.00	50.00

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

Report No. R-6689H-1