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FCC Part 15, Subpart C, Section 15.247
Test Report

On

Recce 360 Mini Tactical Throwable Camera
FCC ID: 2A6OI-013BRF

Customer Name:	Bounce Imaging
Customer P.O:	0YJ5267589607984D
Date of Report Rev.:	September 22, 2022
Test Report No:	R-6673H-2, Rev. B
Test Start Date:	March 17, 2022
Test Finish Date:	June 3, 2022
Test Engineer:	T. Hannemann
Test Technician:	M. Seamans
Approved By:	T. Hannemann
Report Rev. Prepared By:	P. Harris

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Washington Regulatory Compliance
1600 North Oak Street, #1710
Arlington, VA 22209 USA
Tel: (703) 528-3895

Technical Information

Report Number:	R-6673H-2, Rev. B
Customer:	Bounce Imaging
Address:	1 West Seneca Street, Floor 24 Buffalo, NY 14203
Manufacturer:	Bounce Imaging
Manufacturer Address:	1 West Seneca Street, Floor 24 Buffalo, NY 14203
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Part Number:	20500-013
Model Number:	20500-013
Serial Number:	Conducted Radio Testing: 0252598 Conducted Emissions and Spurious Emissions: S25RM
FCC ID:	2A6OI-013BRF
Type:	Digital Transmission - Direct Sequence Spread Spectrum Transmitter
Power Requirements:	120 VAC, 60 Hz USB Power adapter to charge the internal battery
Frequency of Operation:	2417 MHz to 2457 MHz
Equipment Class:	DTS
Antenna Type:	Internal Antenna, 2.5 dBi Gain
Equipment Use:	Mobile Device

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

Tests Performed

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

EUT Operation:
The EUT provides users with real-time, omnidirectional video.

Table 1 – Support Equipment

Description	Manufacturer	Model Number	Serial Number
Laptop PC	HP	Elitebook 8440p	CND03006FS
Phone	Samsung	SM-G930V	357754072387328
Power Supply	Hanmatels	HM310	N/A

Modifications
The following modifications were made to the EUT during the course of this testing program in order to demonstrate compliance with the specified requirements:

Band Edge – March 17, 2022

- EUT must have Channels 1 and 11 disabled to meet the Band Edge Restricted Band requirements.

Conducted Emissions – March 24, 2022

- The PD-45W AC Adapter was replaced with the Qualtek QFWC-45-20-USCR AC Adapter

Radiated Emissions – May 17, 2022

- Clock Generator Down-Spread set at 4%
- Wrap Batteries in an RF Absorber Material.
- Replace central rubber O-Ring with Conductive Elastomer.
- Added Ferrite Cores to USB Cable (Wurth Elektronics, 742 711 12).

Certification and Signatures

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

Scott Wentworth
Branch Manager

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

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

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

Revision History

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

Revision	Date	Pages Affected
-	July 7, 2022	Original Release
A	July 22, 2022	Global: • Test Report Number R-6673H-2 changed to R-6673H-2, Rev. A • Date of Report: July 7, 2022 changed to Date of Report Rev.: July 22, 2022 • Report Prepared By: P. Harris changed to Report Rev. Prepared By: P. Harris • FCC ID: 2A60I-013BRF updated to FCC ID: 2A6OI-013BRF
B	September 22, 2022	Global: • Test Report Number R-6673H-2, Rev. A changed to R-6673H-2, Rev. B • Date of Report: July 22, 2022 changed to Date of Report Rev.: September 22, 2022 Page 6 • Remove “Peak” from 15.247(b)(3) and Results paragraph Pages 29-39 • Remove “Peak” from test data Pages 29-33 • Update note to “Measurement method: 11.9.2.2.6 AVGSA-3”

Requirements and Test Results

Requirement:
FCC Section 15.247(a)(2)
Operation within the bands 902 - 928 MHz, 2400 - 2483.5 MHz and 5725 - 5850 MHz
Systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz and 5725 - 5850 MHz bands. The minimum 6 dB bandwidths shall be at least 500 kHz.

- **Results**:
  The minimum 6 dB bandwidth measured 7,107 kHz which complies with the requirement that the Bandwidth be no less than 500 kHz.

Conducted Emissions, Duty Cycle
The EUT's on time was measured over a multiple measurement interval of 10 mS, the duty cycle was for each measurement interval

- **Results**:
- The Duty cycle was measured to be <98% with a variation of >2% between measurements. Requiring the use of power output method AVGSA-3, per ANSI C63-10:2013

Requirement:
FCC Sections 15.247(b)(3)
Operation within the bands 902 - 928 MHz, 2400 - 2483.5 MHz and 5725 - 5850 MHz
The maximum conducted output power of the intentional radiator shall not exceed the following:

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

- **Results**:
  The maximum measured conducted output power was 427.56 mW. The maximum antenna gain of the PCB antenna is 2.5 dBi. The device was found to meet the power output requirements of 15.247 (b)(3) including de facto EIRP.

Requirements and Test Results (con't)

Requirement:
FCC Section 15.247(d):
Operation within the bands 902 - 928 MHz, 2400 - 2483.5 MHz and 5725 - 5850 MHz
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) must also comply with the radiated emissions limits specified in Section 15.209(a) (see Section 15.205(c)).

- **Results**:
  In any 100 kHz bandwidth outside the frequency band in which the Spread spectrum intentional radiator was operating, the radio frequency power that was produced by the intentional radiator was at least 30 dB below that in the 100 kHz bandwidth within the band that contained the highest level of the desired power. All emissions, which fell within the restricted bands specified in 15.205(a), were measured and found to be in compliance with the limits specified in 15.209(a).

Requirements and Test Results (con't)

Requirement:
FCC Section 15.247(e):
Operation within the bands 902 - 928 MHz, 2400 - 2483.5 MHz and 5725 - 5850 MHz
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

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

Requirement:
FCC Section 15.209(a) - Radiated Emission Limits, General Requirements
Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in Table 2.

Table 2 - Radiated Emission Limits

Frequency of Emission (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.

Requirements and Test Results (con't)

Requirement:
FCC Section 15.207(a) - Conducted Limits
For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits shown in Table 3, as measured using a 50 µH/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 (dBµV)**	
	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.

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 dBµV/m
M_R = Uncorrected Meter Reading in dBµV
C_F = Correction Factor in dB (Antenna Factor, Pre-amp + Cable Loss)

Example:

M_R = 15.35 dBµV
C_F = 16.85 dB
C_R = 15.35 dBuV + 16.85 = 32.2 dBµV/m

dBµV/M is converted to uV/M for comparison to the specified limit using the formula:

invLog dBµV/M/20

32.2 dBuV/m = 40.74 uV/m

RF Power Conversion:

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

InvLog dBm/10

Example: 20dBm = 100mW

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 access 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 2480 MHz S = 1 mW/cmsq

Power = Max Power Input to Antenna = 427.56mW

Gain = Max Power Gain of Antenna = 2.5 dBi = 1.78 numeric

$$1 \text{ mW/cmsq} = \frac{427.56 \times 1.78}{4 \times (3.14) \times D^2} = \frac{761.06}{12.56 \times D^2}$$

$$D^2 = \frac{761.06}{12.56 \times 1}$$

$$D = \sqrt{60.59} = 7.78 \text{ cm}$$

Equipment List

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

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
3128A	LUCAS WEINSCHEL	2	ATTENUATOR, COAXIAL, 20 dB, DC - 18 GHz	AY0796	12/31/2022
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

FCC Section 15.247(b)(3)
Power Output

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
3128A	LUCAS WEINSCHEL	2	ATTENUATOR, COAXIAL, 20 dB, DC - 18 GHz	AY0796	12/31/2022
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

FCC Section 15.247(d)
Antenna Port, Conducted Emissions

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
3128A	LUCAS WEINSCHEL	2	ATTENUATOR, COAXIAL, 20 dB, DC - 18 GHz	AY0796	12/31/2022
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

FCC Section 15.247(e)
Antenna Port, Power Density

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
3128A	LUCAS WEINSCHEL	2	ATTENUATOR, COAXIAL, 20 dB, DC - 18 GHz	AY0796	12/31/2022
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

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

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
1232	AGILENT / HP	8449B	PRE-AMPLIFIER, 1 - 26.5 GHz	3008A02451	2/28/2023
3258	ETS / EMCO	3115	ANTENNA, DOUBLE RIDGED GUIDE, 1 - 18	2438	1/31/2023
3430	MCS	K-5039	ANTENNA, HORN, 18 - 26.5 GHz	14765	No Calibration Required
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
5179B	MICRO-COAX	UFB311A-1-0360-50U50	CABLE, COAXIAL, 10 kHz - 18 GHz	226578-001	11/30/2022
5179D	MICRO-COAX	UFB311A-1-2400-50U50	CABLE, COAXIAL, 10 kHz - 18 GHz	226576-001	11/30/2022
5188	Cybertron	TSVQJA2221	COMPUTER, CONTROL, N/A	NSN	No Calibration Required
5224	ETS / EMCO	3104C	ANTENNA, BICONICAL, 20 - 200 MHz	00211291	10/31/2022
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
5260	DYNAWAVE	DT-NS-072	CABLE, COAXIAL, DC - 40 GHz	16322210	4/30/2023
712	ROHDE & SCHWARZ	ESIB26	RECEIVER, EMI, 20 Hz - 26.5 GHz	834000/006	2/28/2023

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

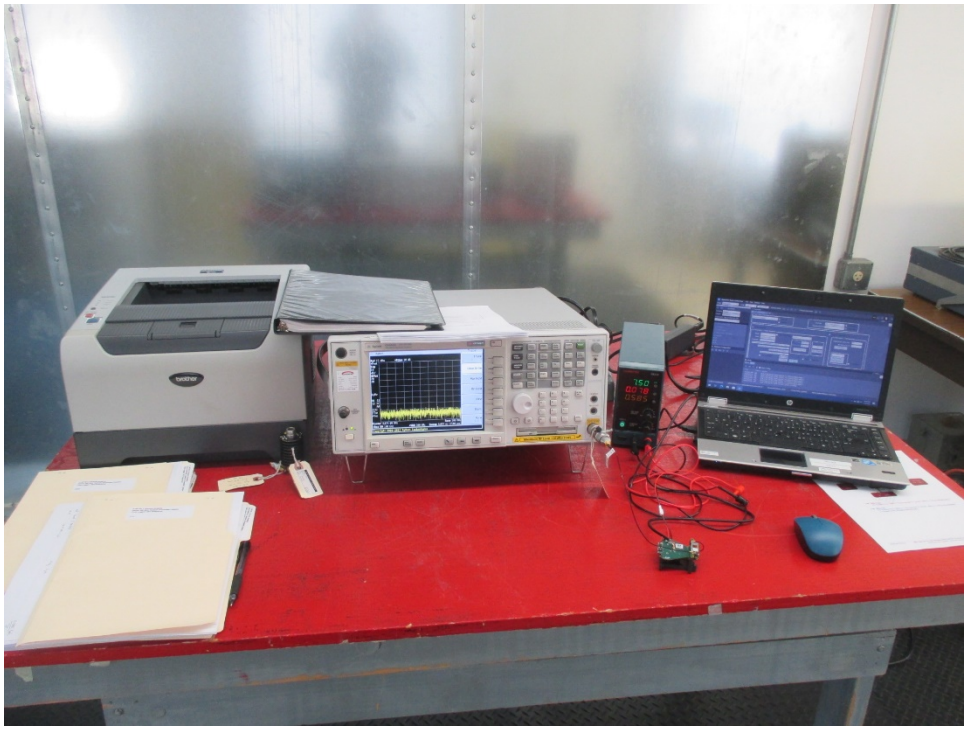
EN	Manufacturer	Model No.	Description	Serial No.	Due Date
5137	NARDA MICROWAVE	768-10	ATTENUATOR, COAXIAL, 10 dB, DC - 11 GHz, 20 W	0206	10/31/2022
5188	Cybertron	TSVQJA2221	COMPUTER, CONTROL, N/A	NSN	No Calibration Required
5209	SOLAR ELECTRONICS	21106-50-BP-25-BNC	LISN, 50 uH, 150 kHz - 30 MHz	21106160202	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

Duty Cycle

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
3128A	LUCAS WEINSCHEL	2	ATTENUATOR, COAXIAL, 20 dB, DC - 18 GHz	AY0796	12/31/2022
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

Test Photographs
Occupied Bandwidth (6 dB Bandwidth)

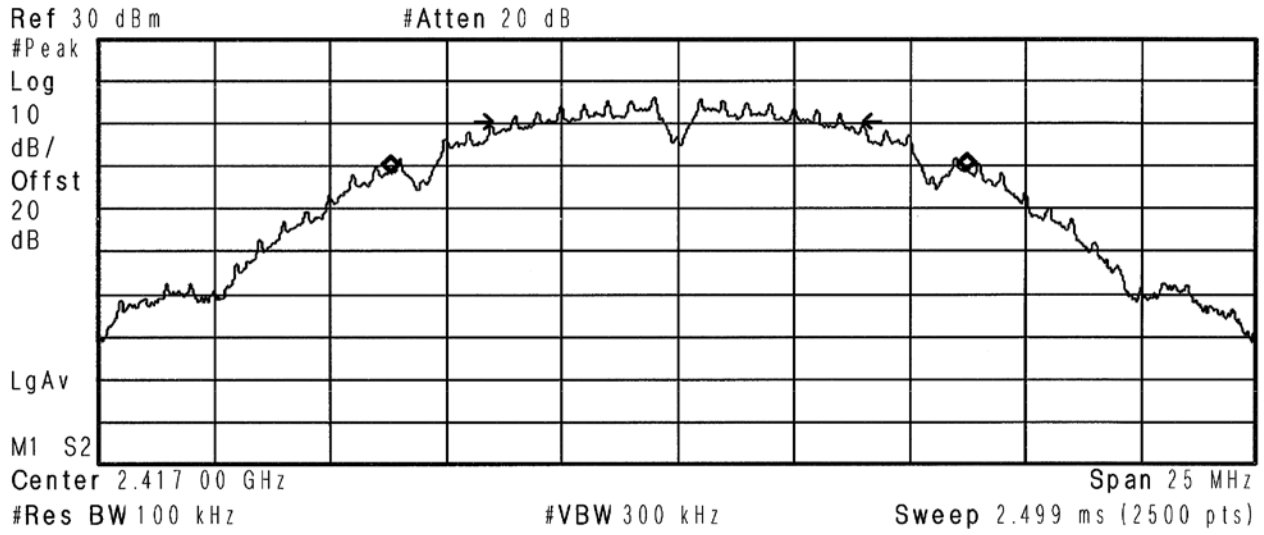
Test Photographs
Occupied Bandwidth (6dB Bandwidth)



EUT Configuration

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

EMISSIONS TEST DATA SHEET	
Method:	**DTS Bandwidth**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	6dB Bandwidth: 7.107 MHz

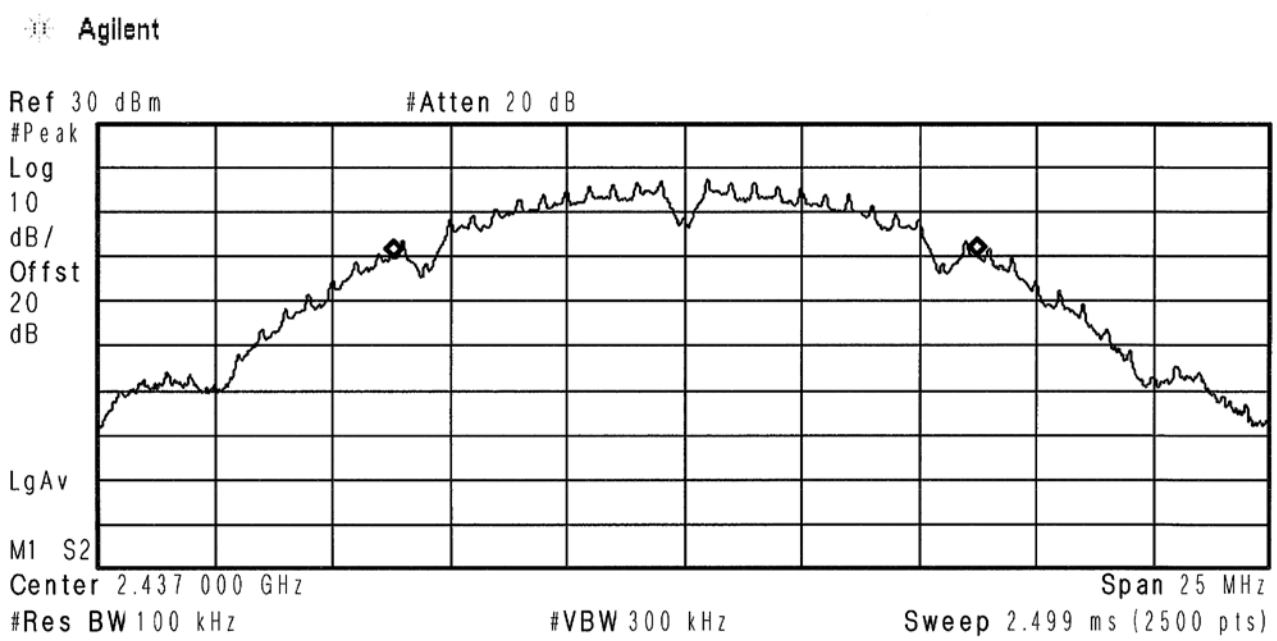


Occupied Bandwidth
12.4131 MHz

Occ BW % Pwr 99.00 %
x dB -6.00 dB

Transmit Freq Error 31.547 kHz
Occupied Bandwidth 7.107 MHz

EMISSIONS TEST DATA SHEET	
Method:	**DTS Bandwidth**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b) at 2437 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	6dB Bandwidth: 7.123 MHz

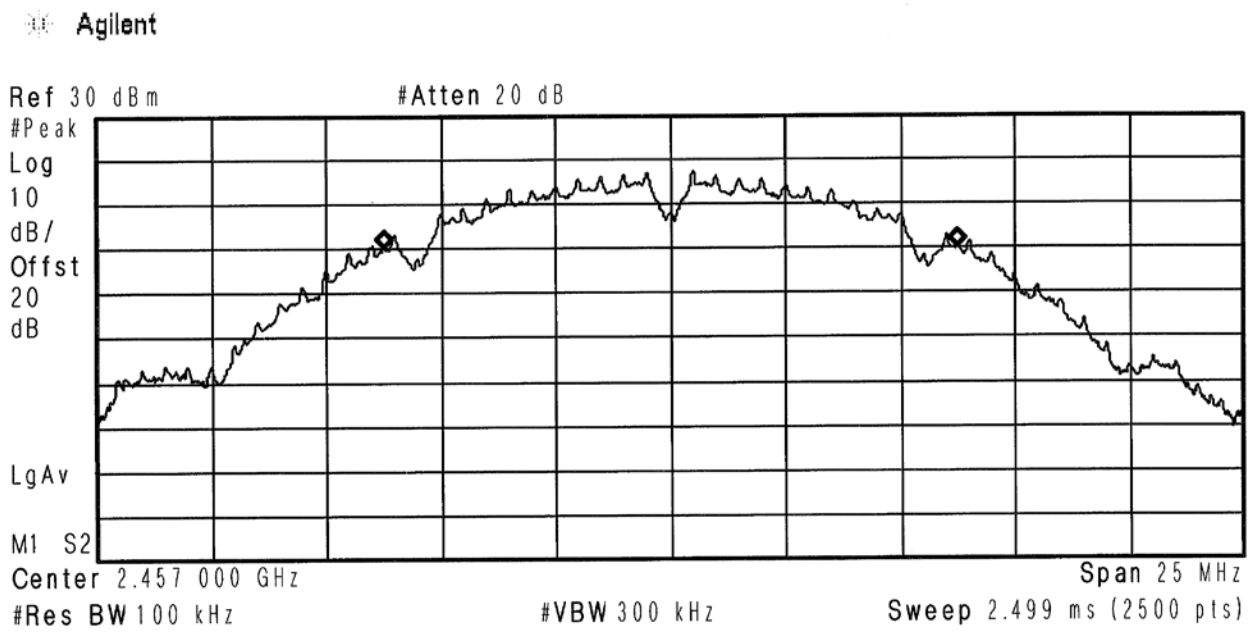


Occupied Bandwidth
12.4254 MHz

Occ BW % Pwr 99.00 %
x dB -6.00 dB

Transmit Freq Error 30.917 kHz
x dB Bandwidth 7.123 MHz

EMISSIONS TEST DATA SHEET	
Method:	**DTS Bandwidth**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	6dB Bandwidth: 7.120 MHz

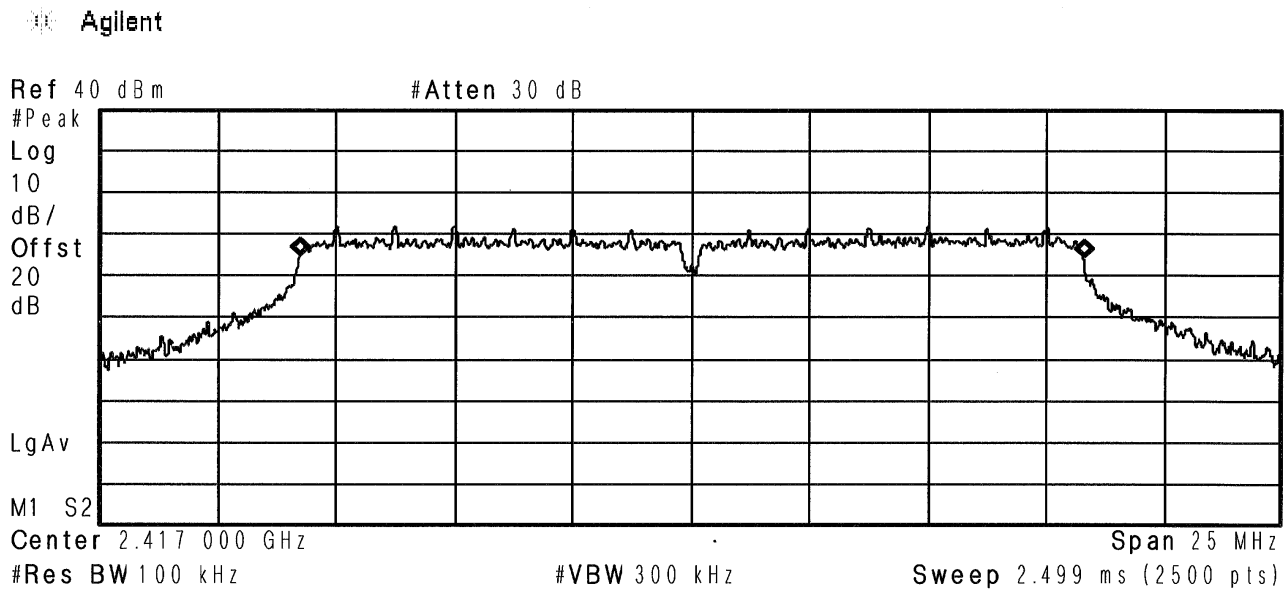


Occupied Bandwidth
12.4617 MHz

Occ BW % Pwr 99.00 %
x dB -6.00 dB

Transmit Freq Error 5.355 kHz
x dB Bandwidth 7.120 MHz

EMISSIONS TEST DATA SHEET	
Method:	**DTS Bandwidth**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	6dB Bandwidth: 16.422 MHz

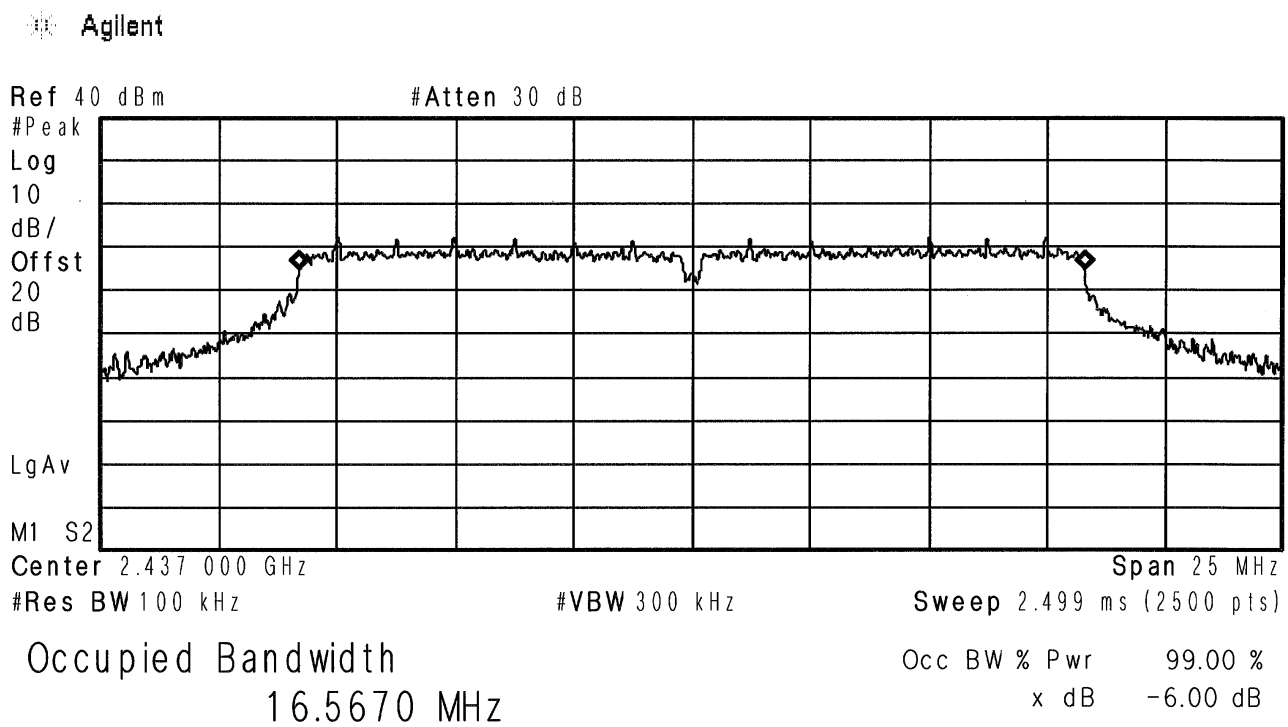


Occupied Bandwidth
16.5426 MHz

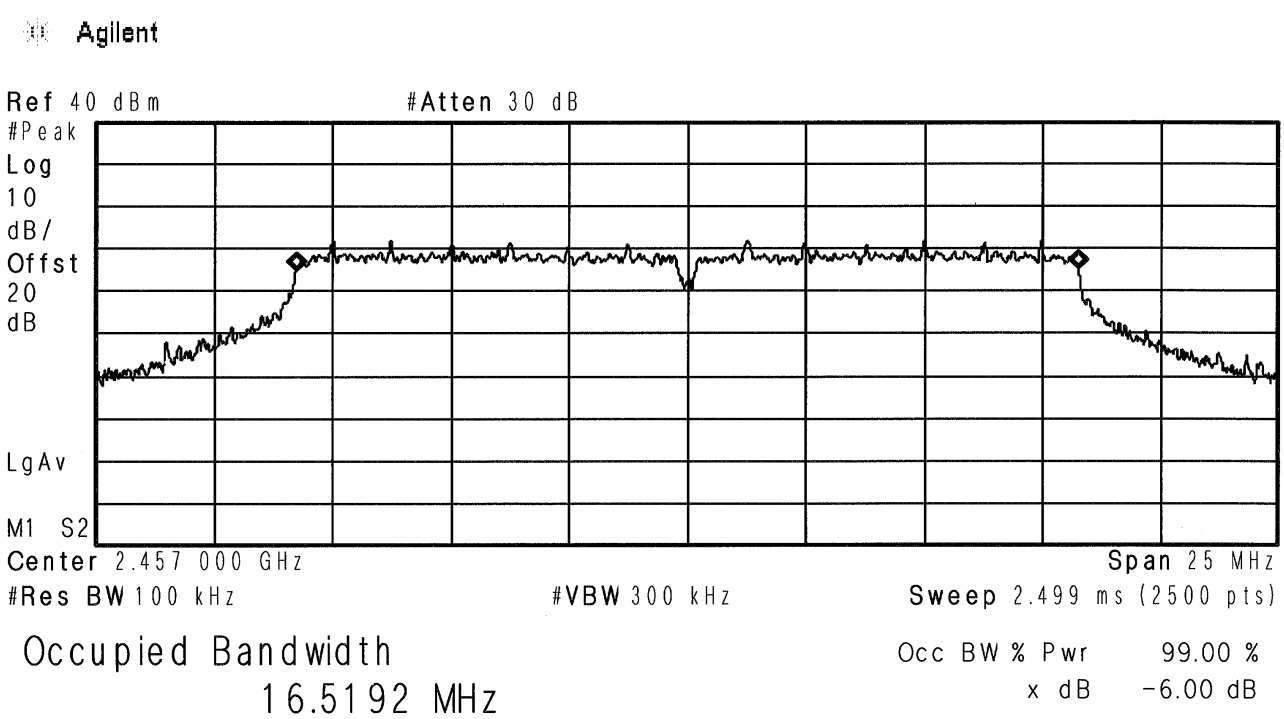
Occ BW % Pwr 99.00 %
x dB -6.00 dB

Transmit Freq Error 4.126 kHz
x dB Bandwidth 16.422 MHz

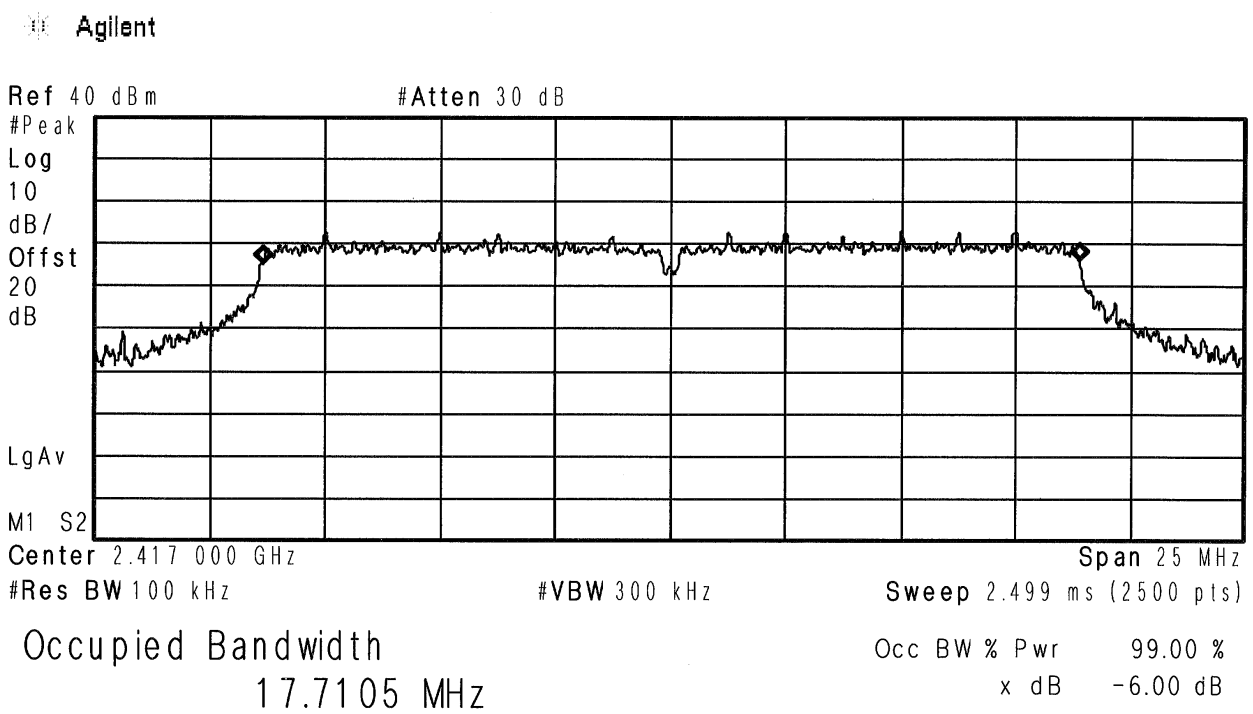
EMISSIONS TEST DATA SHEET	
Method:	**DTS Bandwidth**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g) at 2437 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	6dB Bandwidth: 16.433 MHz



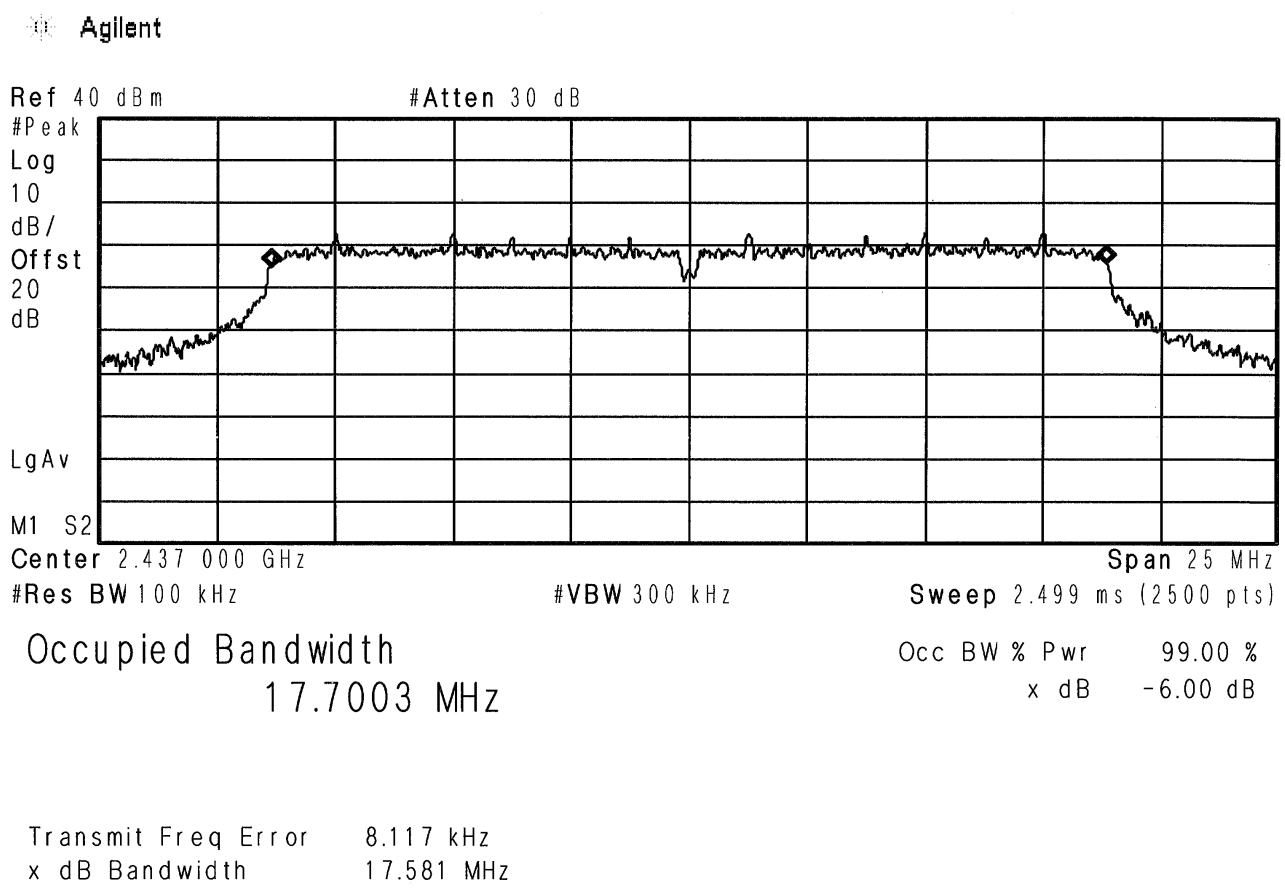
EMISSIONS TEST DATA SHEET	
Method:	**DTS Bandwidth**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	6dB Bandwidth: 16.398 MHz



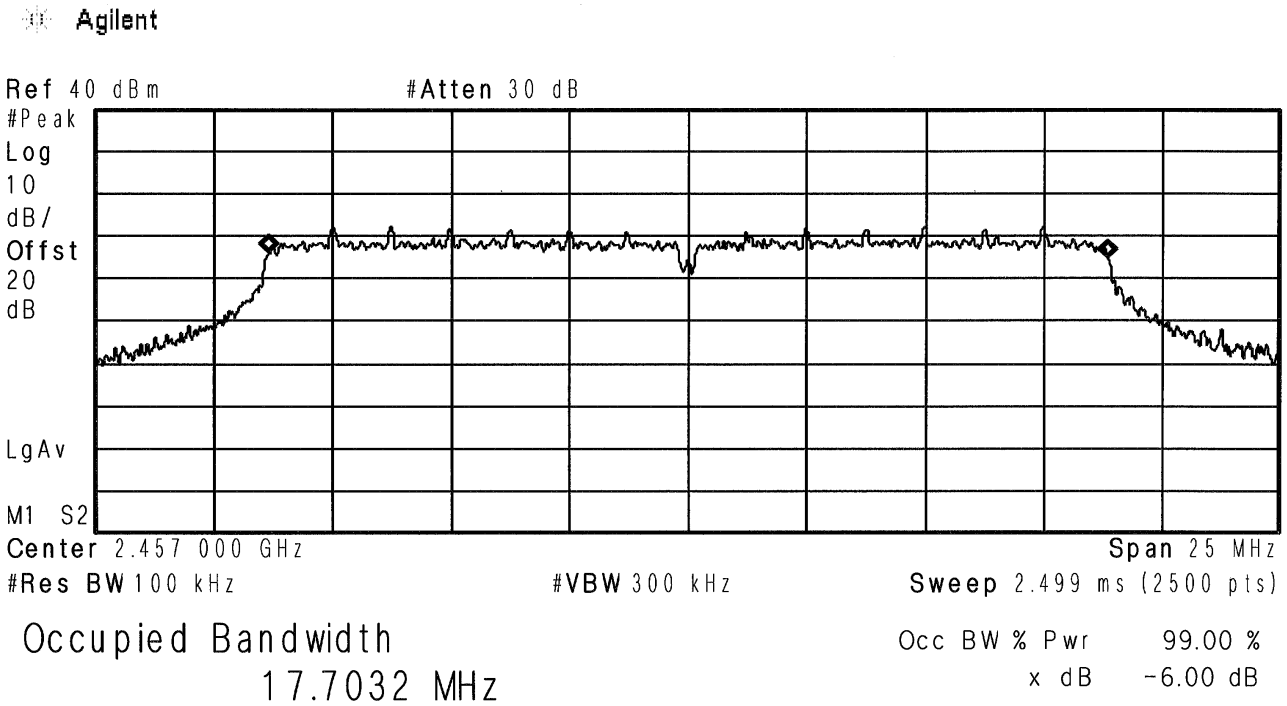
EMISSIONS TEST DATA SHEET	
Method:	**DTS Bandwidth**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	6dB Bandwidth: 17.618 MHz



EMISSIONS TEST DATA SHEET	
Method:	**DTS Bandwidth**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n) at 2437 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	6dB Bandwidth: 17.581 MHz

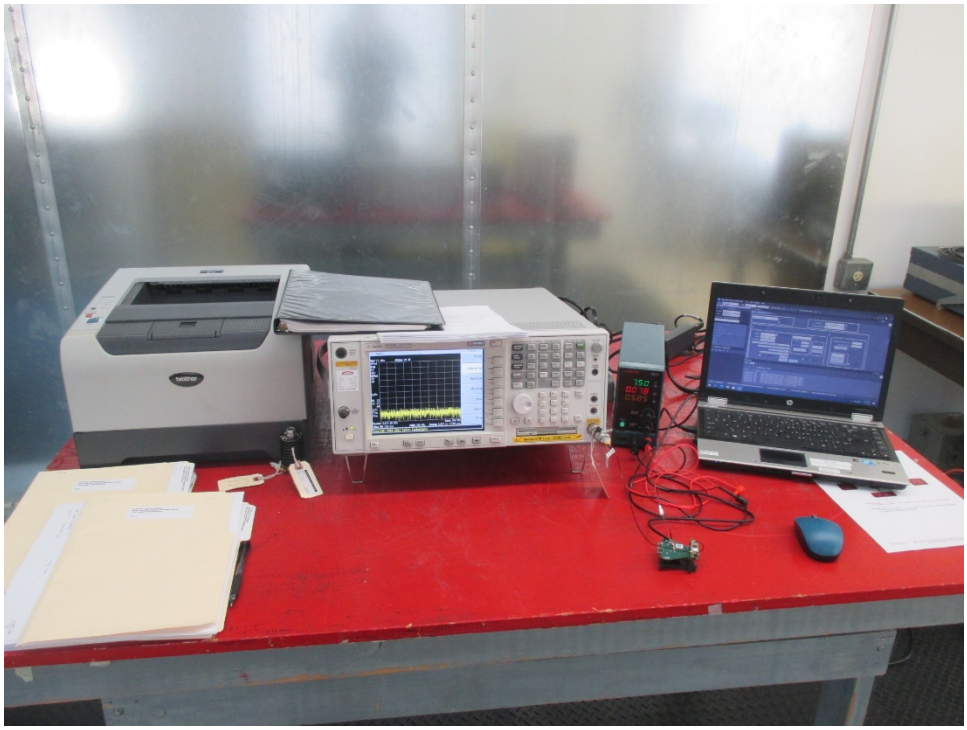


EMISSIONS TEST DATA SHEET	
Method:	**DTS Bandwidth**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (a)(2)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	6dB Bandwidth: 17.654 MHz



Test Photographs
Conducted Emissions, Power Output

Test Photographs
Conducted Emissions, Power Output

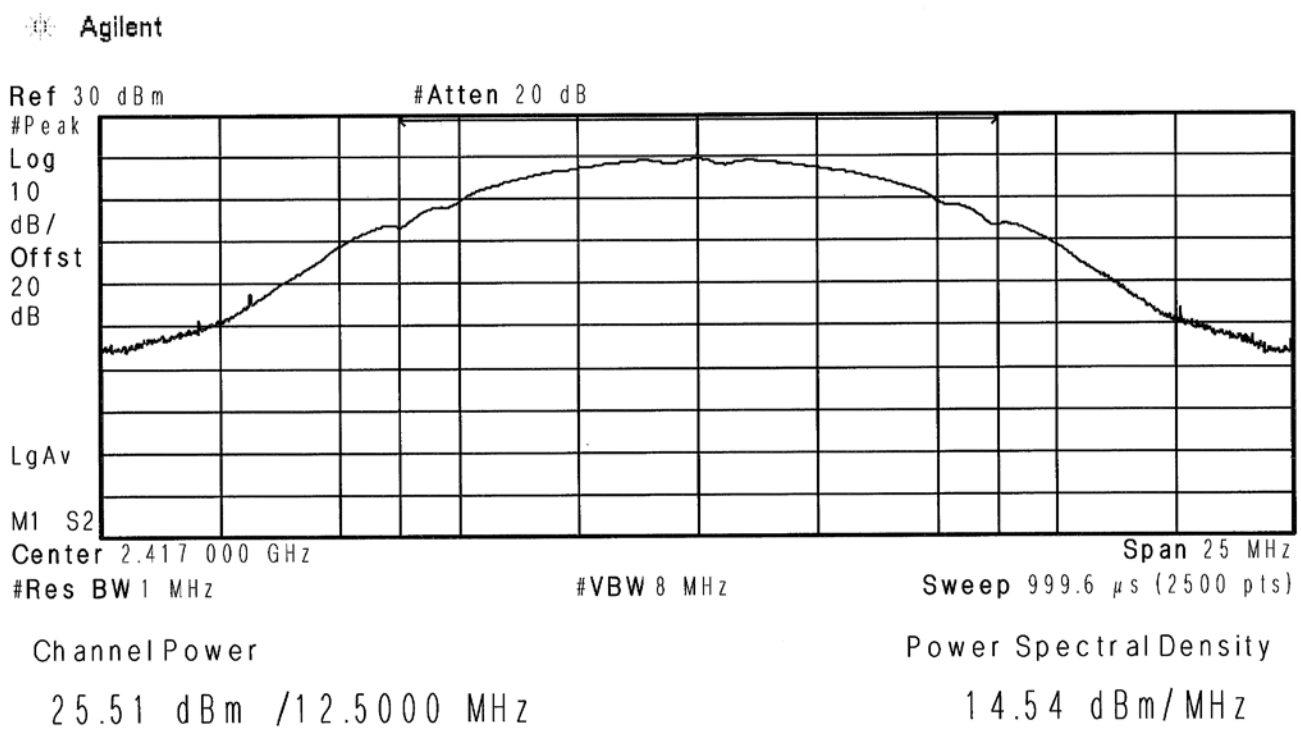


EUT Configuration

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

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET	
Test Method	**Power Output**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	0252598
Test Specification	FCC Part 15, Subpart C Paragraph 15.247 (b)(3)
Operating Mode	Transmitting modulated signal (802.11b) at 2417 MHz
Technician	M. Seamans
Date	March 17th-18th, 2022
Notes: Measurement method: 11.9.2.2.6 AVGSA-3	



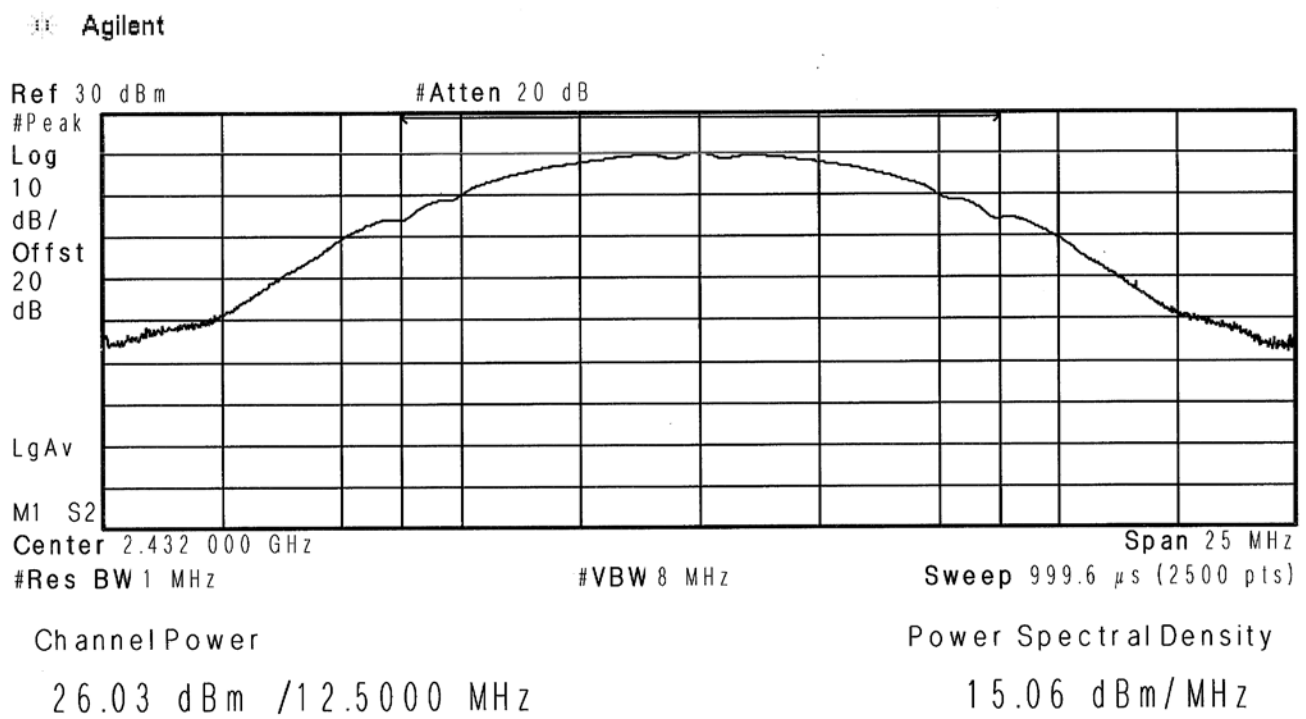
Power Output: 25.51 dBm

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	**Power Output**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	0252598
Test Specification	FCC Part 15, Subpart C Paragraph 15.247 (b)(3)
Operating Mode	Transmitting modulated signal (802.11b) at 2432 MHz
Technician	M. Seamans
Date	March 17th-18th, 2022

Notes: Measurement method: 11.9.2.2.6 AVGSA-3



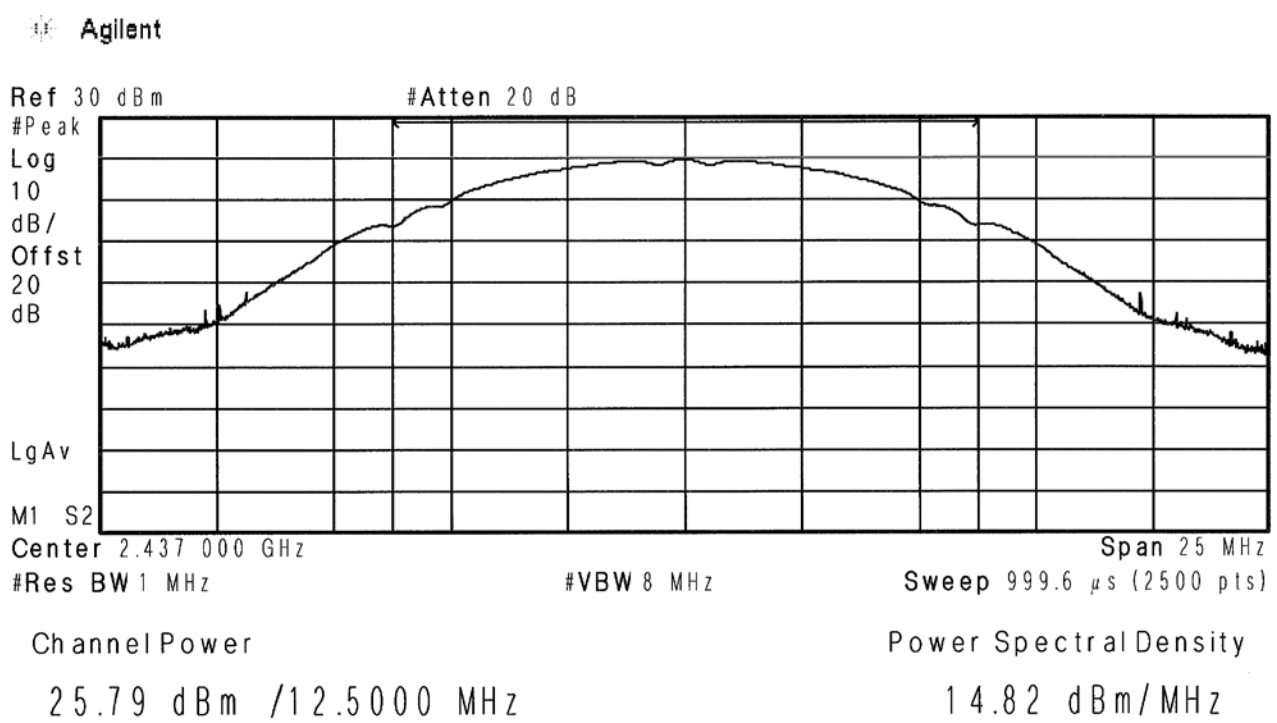
Power Output: 26.03 dBm

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	**Power Output**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	0252598
Test Specification	FCC Part 15, Subpart C Paragraph 15.247 (b)(3)
Operating Mode	Transmitting modulated signal (802.11b) at 2437 MHz
Technician	M. Seamans
Date	March 17th-18th, 2022

Notes: Measurement method: 11.9.2.2.6 AVGSA-3



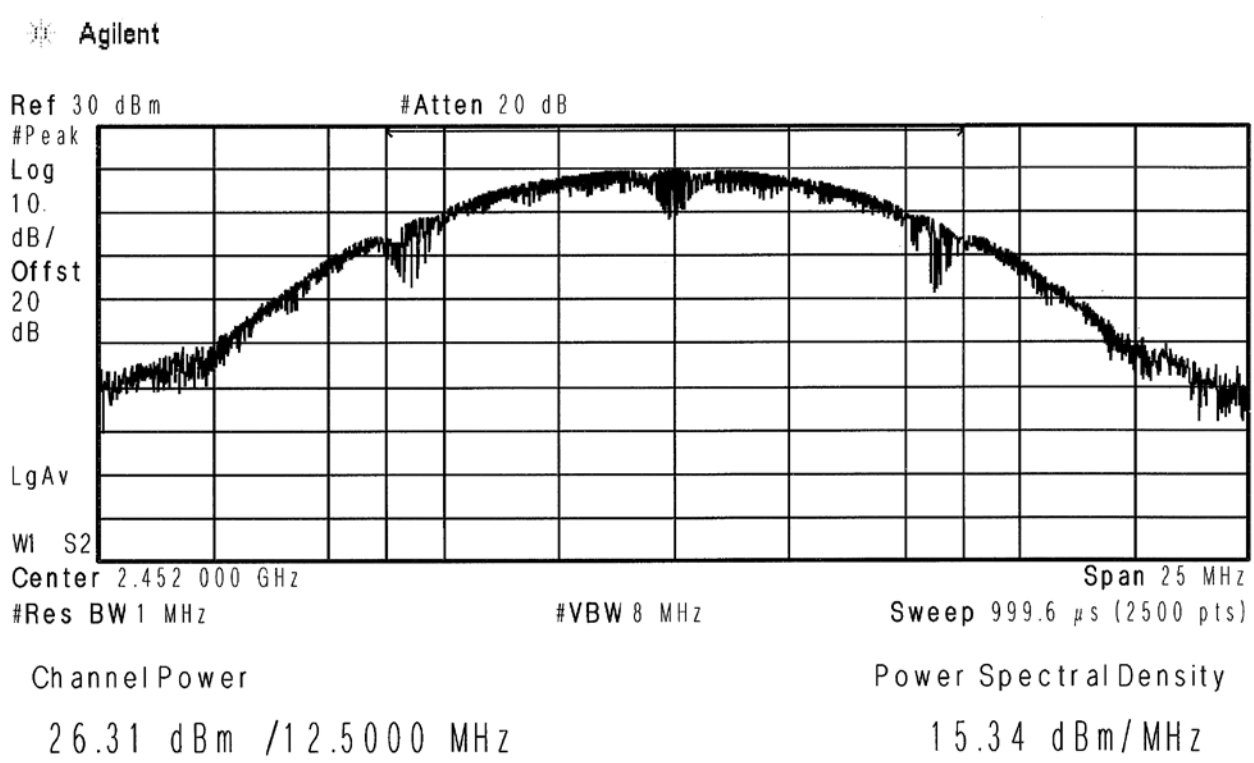
Power Output: 25.79 dBm

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	**Power Output**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	0252598
Test Specification	FCC Part 15, Subpart C Paragraph 15.247 (b)(3)
Operating Mode	Transmitting modulated signal (802.11b) at 2452 MHz
Technician	M. Seamans
Date	March 17th-18th, 2022

Notes: Measurement method: 11.9.2.2.6 AVGSA-3



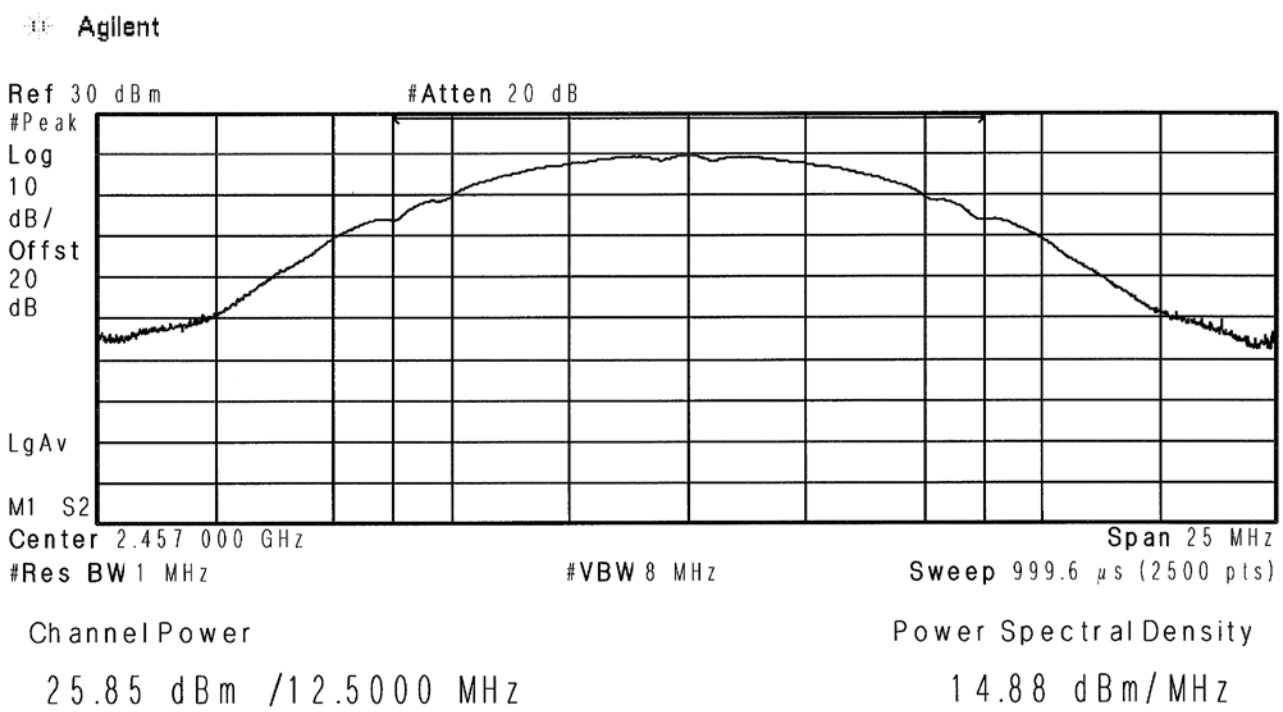
Power Output: 26.31 dBm

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	**Power Output**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	0252598
Test Specification	FCC Part 15, Subpart C Paragraph 15.247 (b)(3)
Operating Mode	Transmitting modulated signal (802.11b) at 2457 MHz
Technician	M. Seamans
Date	March 17th-18th, 2022

Notes: Measurement method: 11.9.2.2.6 AVGSA-3



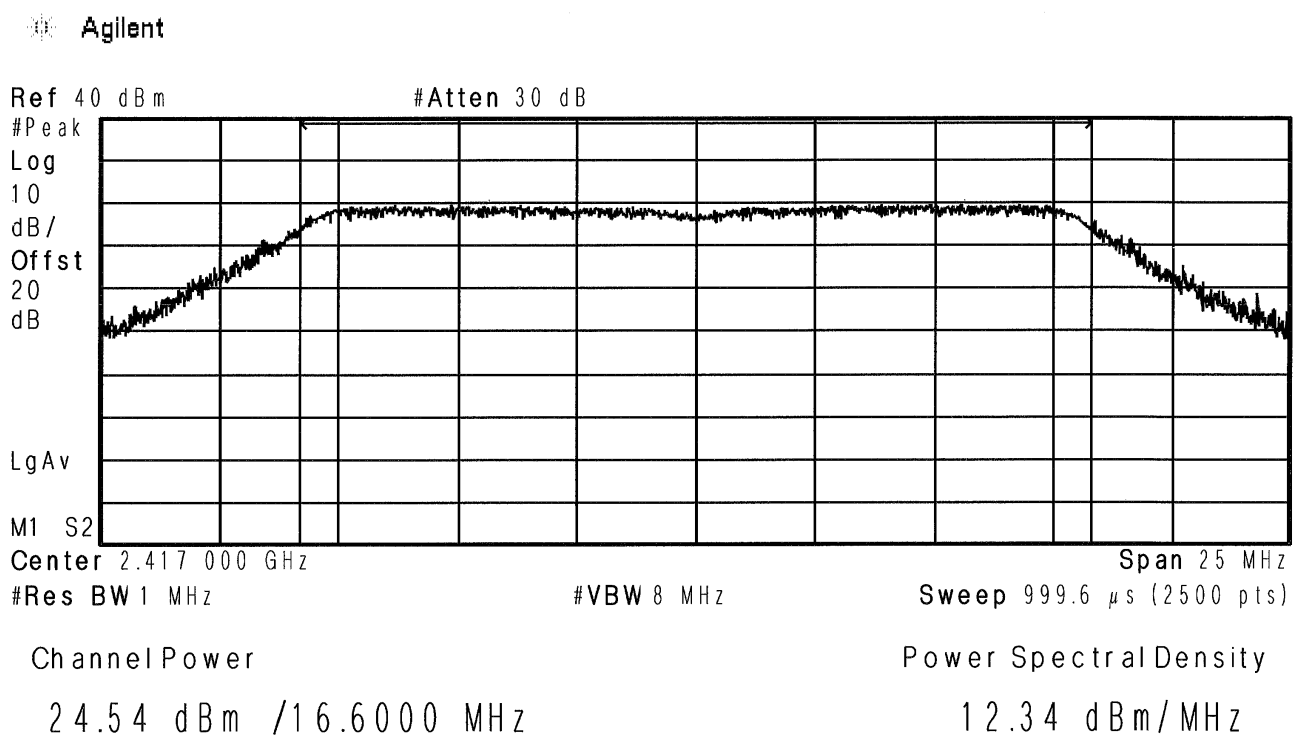
Power Output: 25.85 dBm

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	**Power Output**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	0252598
Test Specification	FCC Part 15, Subpart C Paragraph 15.247 (b)(3)
Operating Mode	Transmitting modulated signal (802.11g) at 2417 MHz
Technician	M. Seamans
Date	March 17th-18th, 2022

Notes: Measurement method: 11.9.2.2.6 AVGSA-3



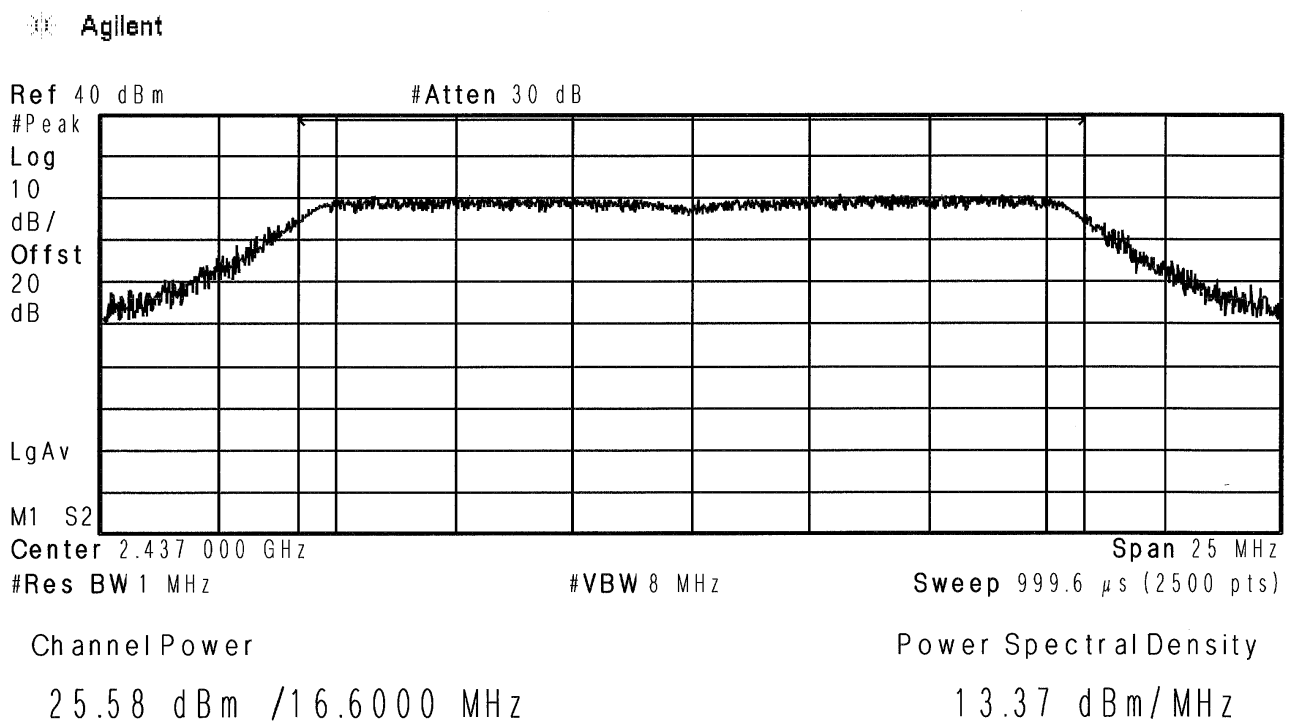
Power Output: 24.54 dBm

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	**Power Output**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	0252598
Test Specification	FCC Part 15, Subpart C Paragraph 15.247 (b)(3)
Operating Mode	Transmitting modulated signal (802.11g) at 2437 MHz
Technician	M. Seamans
Date	March 17th-18th, 2022

Notes: Measurement method: 11.9.2.2.6 AVGSA-3



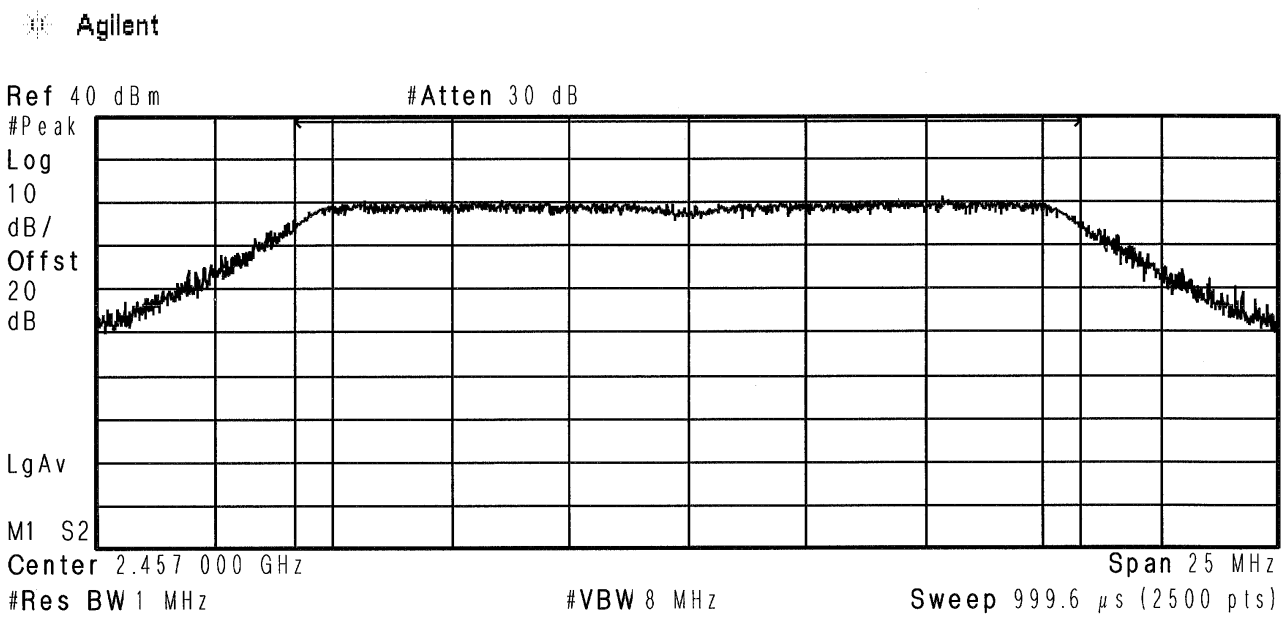
Power Output: 25.58 dBm

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	**Power Output**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	0252598
Test Specification	FCC Part 15, Subpart C Paragraph 15.247 (b)(3)
Operating Mode	Transmitting modulated signal (802.11g) at 2457 MHz
Technician	M. Seamans
Date	March 17th-18th, 2022

Notes: Measurement method: 11.9.2.2.6 AVGSA-3



Channel Power

25.11 dBm /16.6000 MHz

Power Spectral Density

12.91 dBm/MHz

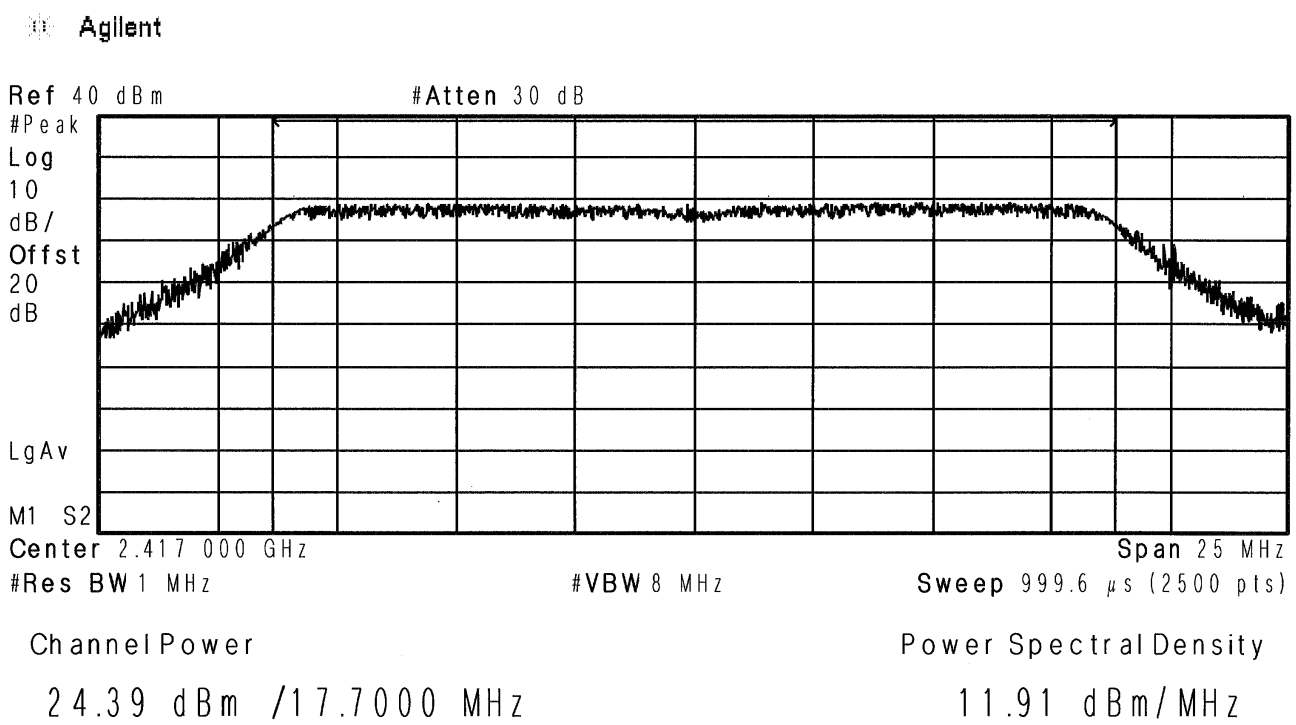
Power Output: 25.11 dBm

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	**Power Output**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	0252598
Test Specification	FCC Part 15, Subpart C Paragraph 15.247 (b)(3)
Operating Mode	Transmitting modulated signal (802.11n) at 2417 MHz
Technician	M. Seamans
Date	March 17th-18th, 2022

Notes: Measurement method: 11.9.2.2.6 AVGSA-3



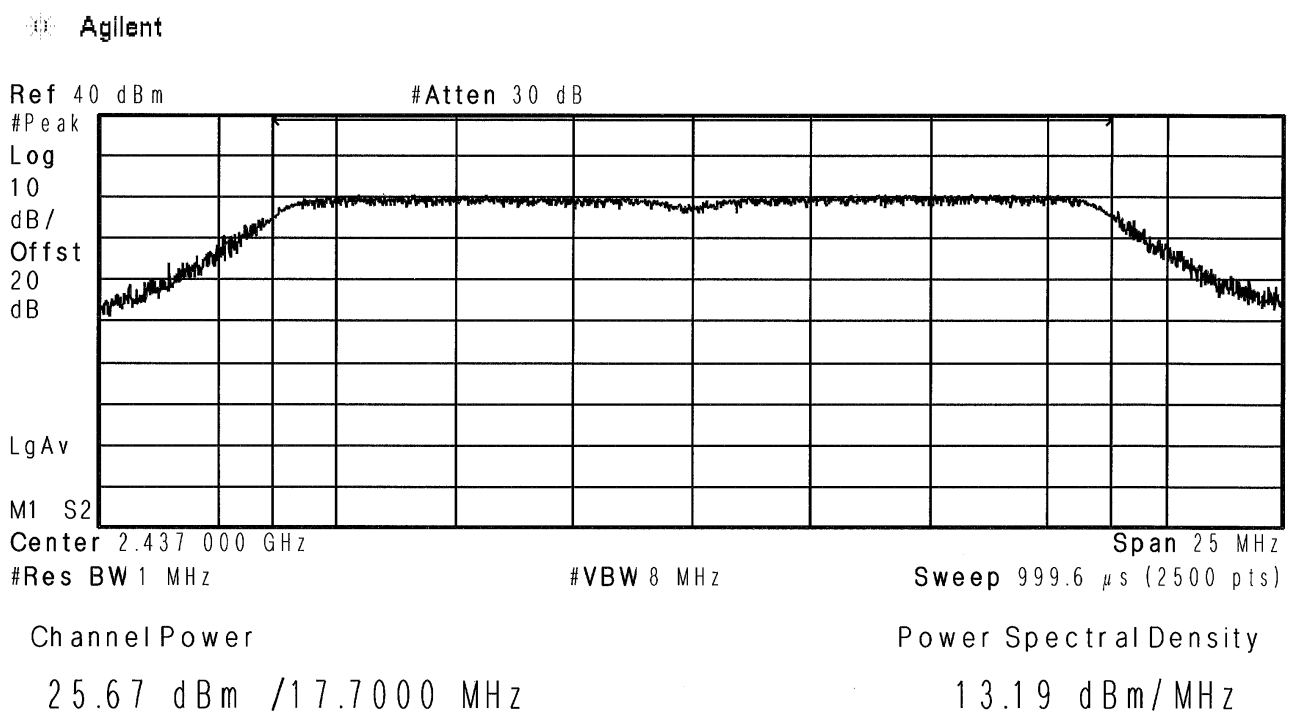
Power Output: 24.39 dBm

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	**Power Output**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	0252598
Test Specification	FCC Part 15, Subpart C Paragraph 15.247 (b)(3)
Operating Mode	Transmitting modulated signal (802.11n) at 2437 MHz
Technician	M. Seamans
Date	March 17th-18th, 2022

Notes: Measurement method: 11.9.2.2.6 AVGSA-3



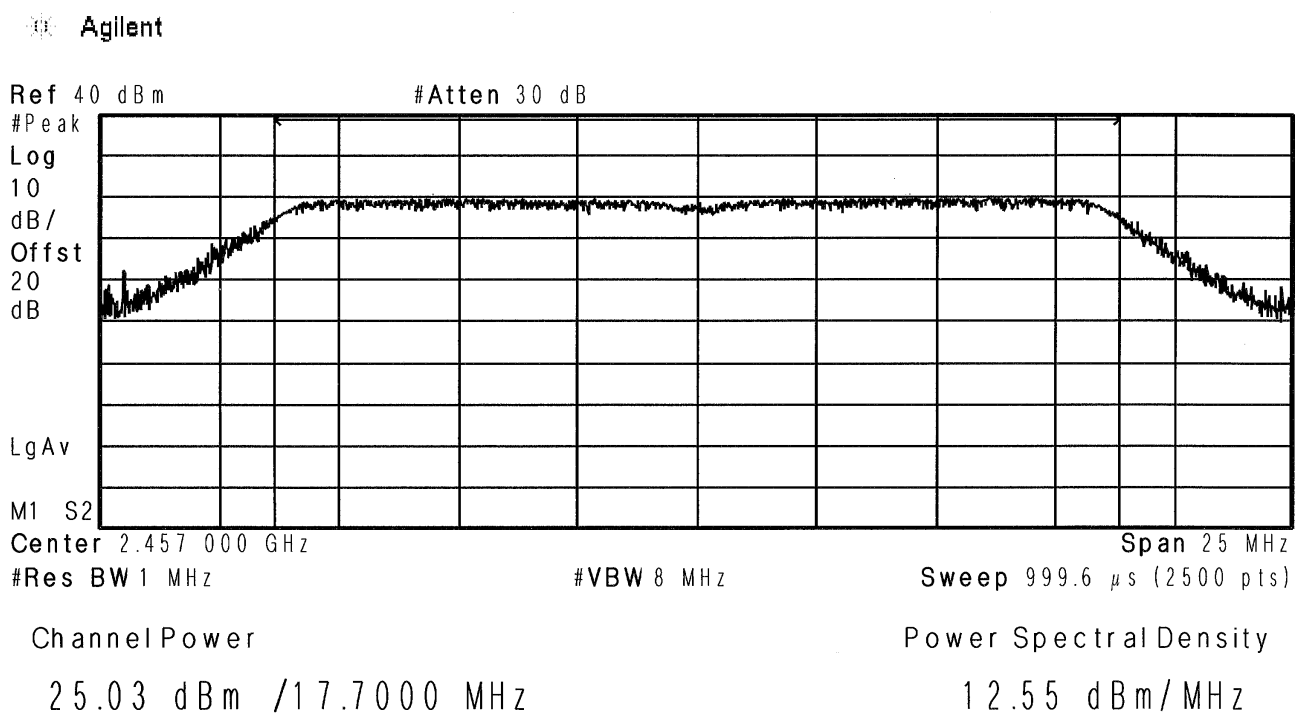
Power Output: 25.67 dBm

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	**Power Output**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	0252598
Test Specification	FCC Part 15, Subpart C Paragraph 15.247 (b)(3)
Operating Mode	Transmitting modulated signal (802.11n) at 2457 MHz
Technician	M. Seamans
Date	March 17th-18th, 2022

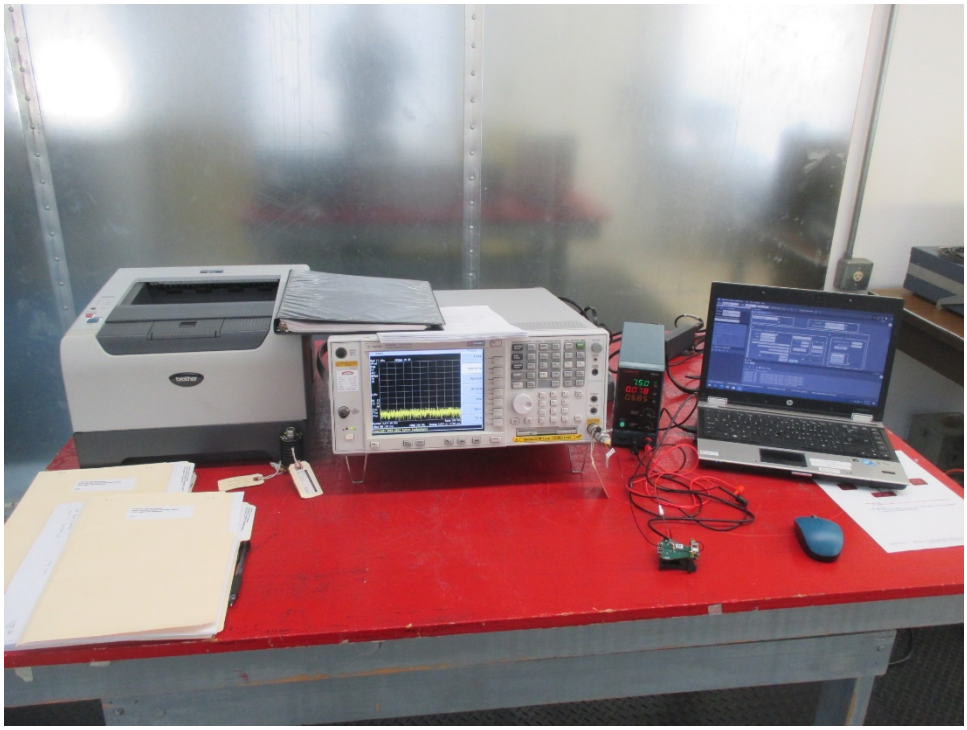
Notes: Measurement method: 11.9.2.2.6 AVGSA-3



Power Output: 25.03 dBm

Test Photographs
Antenna Port Conducted Emissions

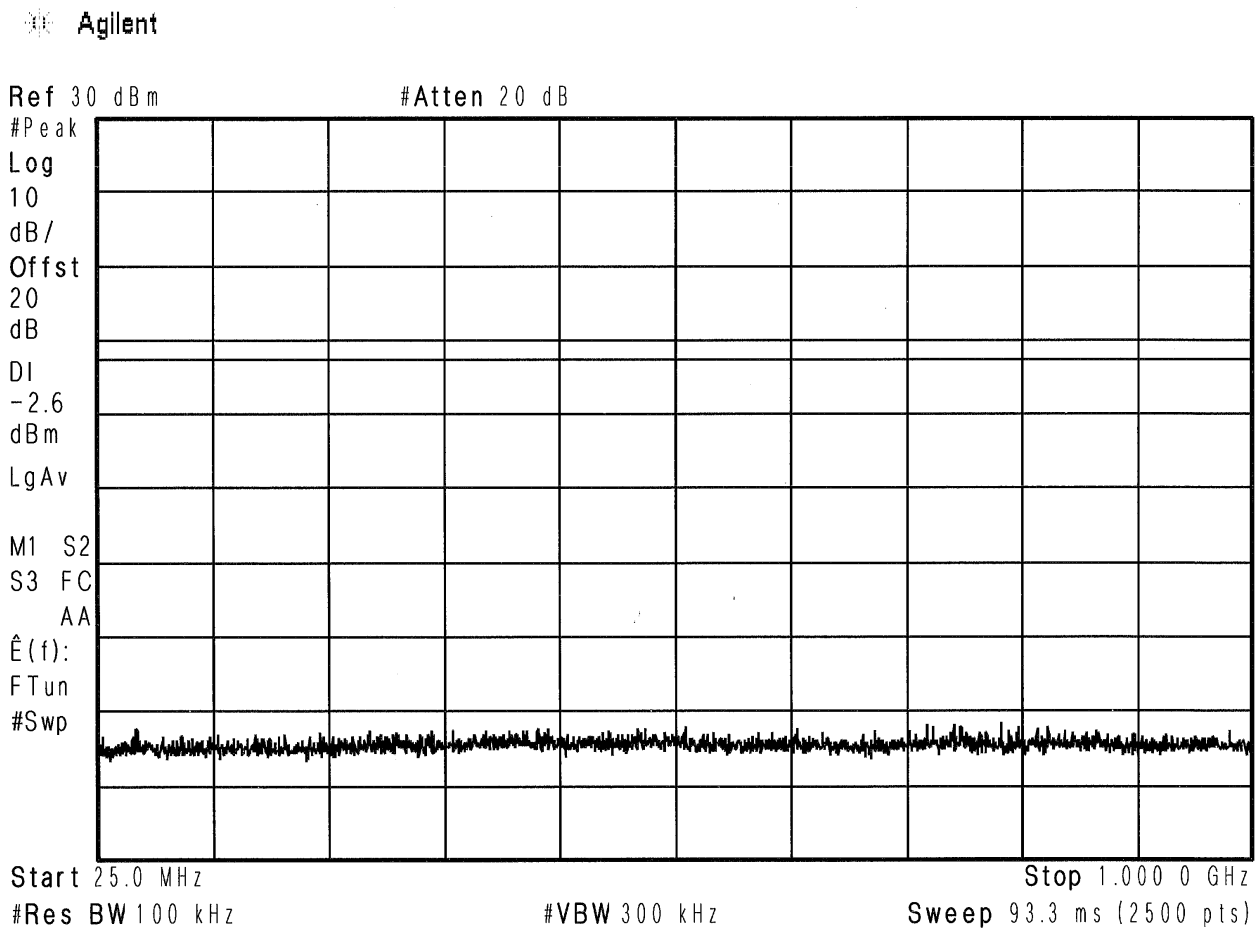
Test Photographs
Antenna Port, Conducted Emissions



EUT Configuration

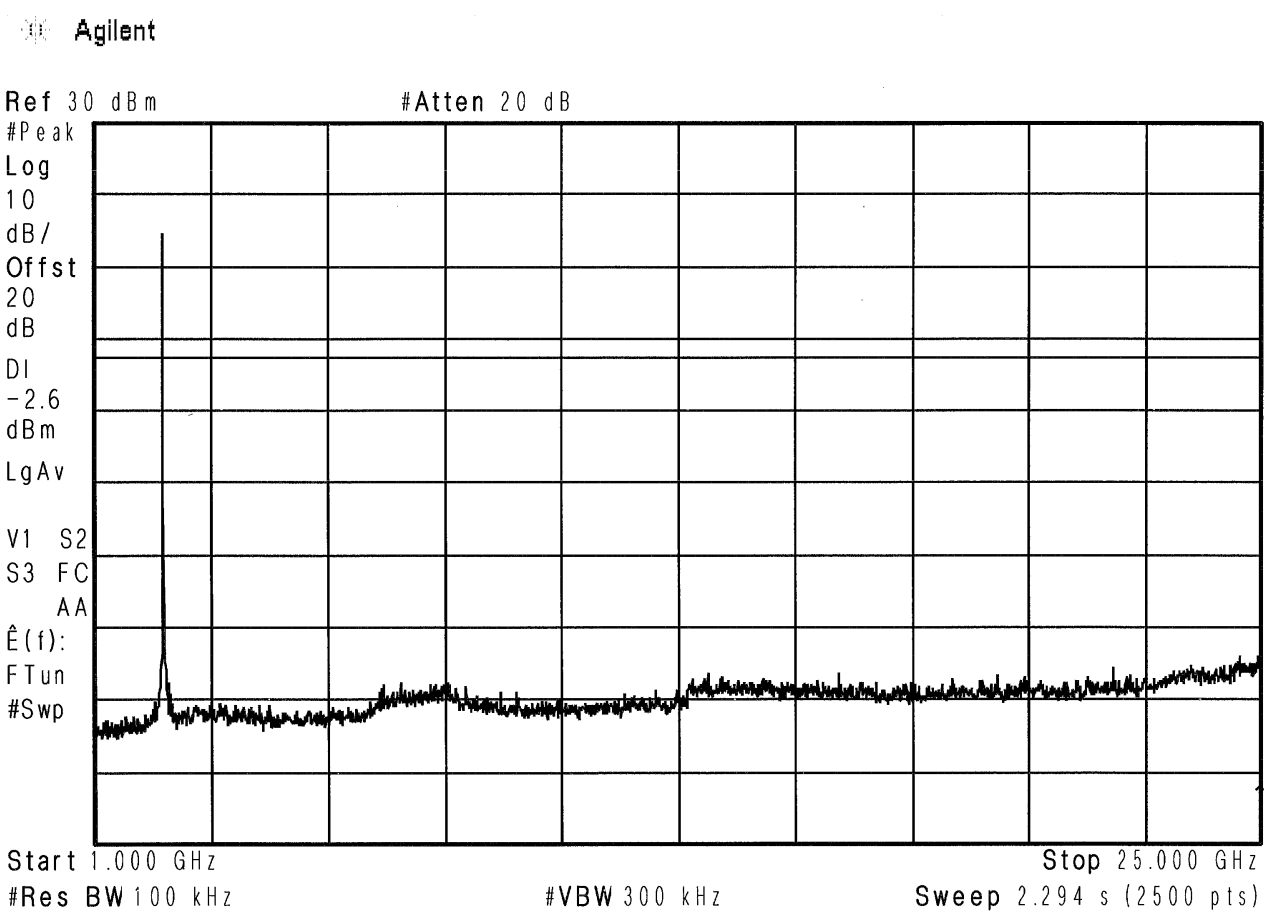
FCC Part 15, Subpart C, Section 15.247(d)
Antenna Port Conducted Emissions
Out of Band Test Data

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -2.59 dBm



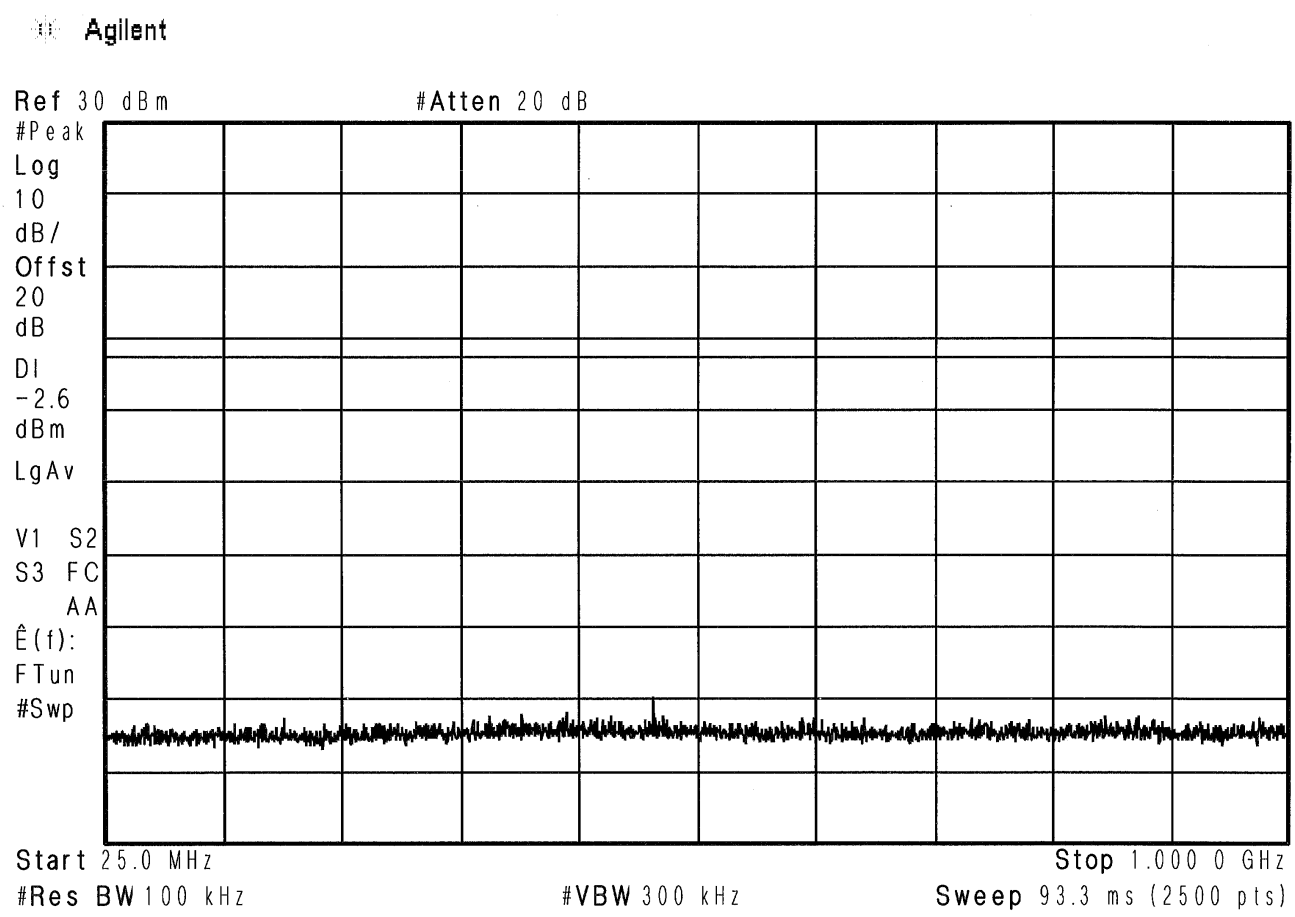
25MHz to 1GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -2.59 dBm



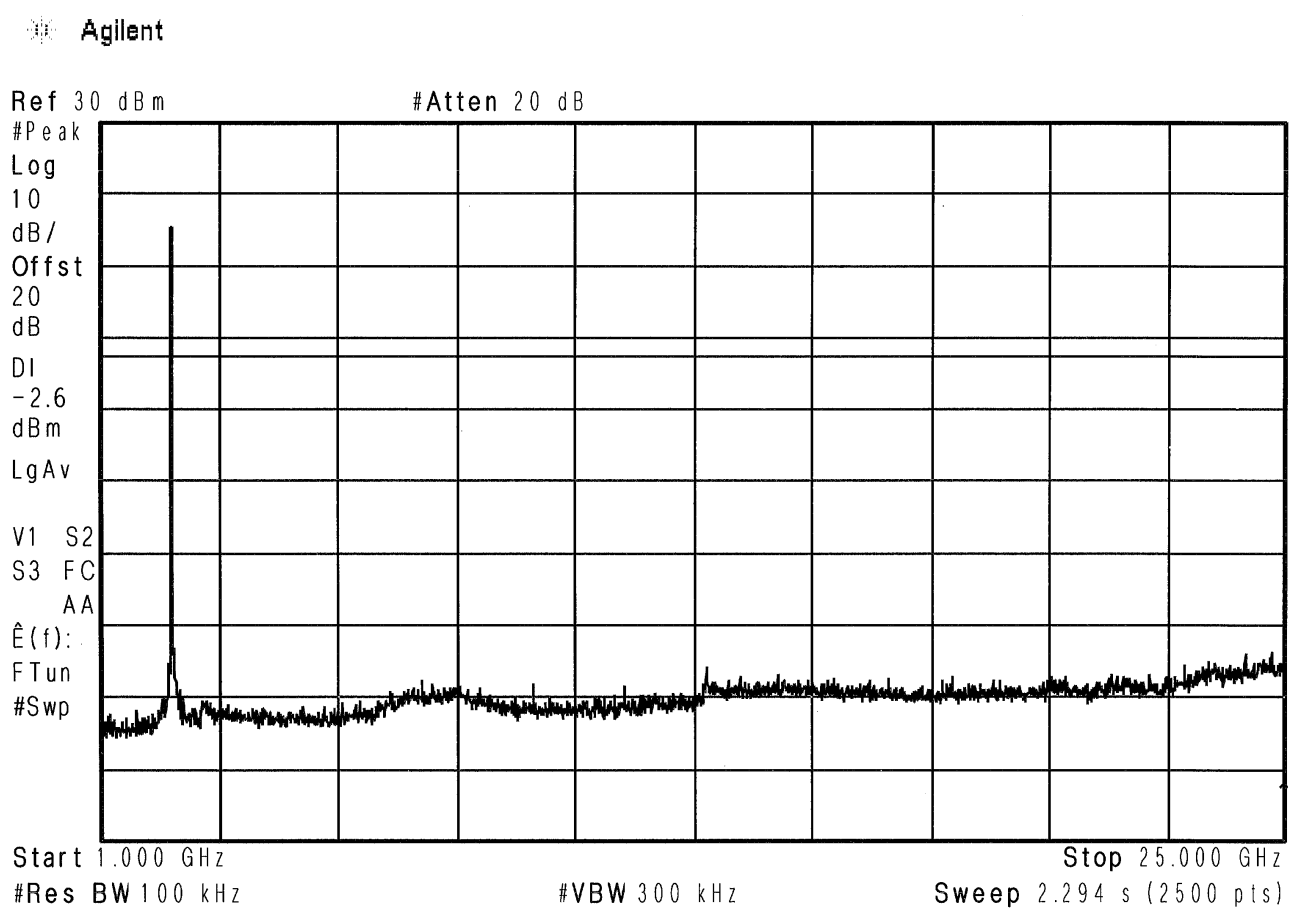
1GHz to 25GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b) at 2437 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -2.59 dBm



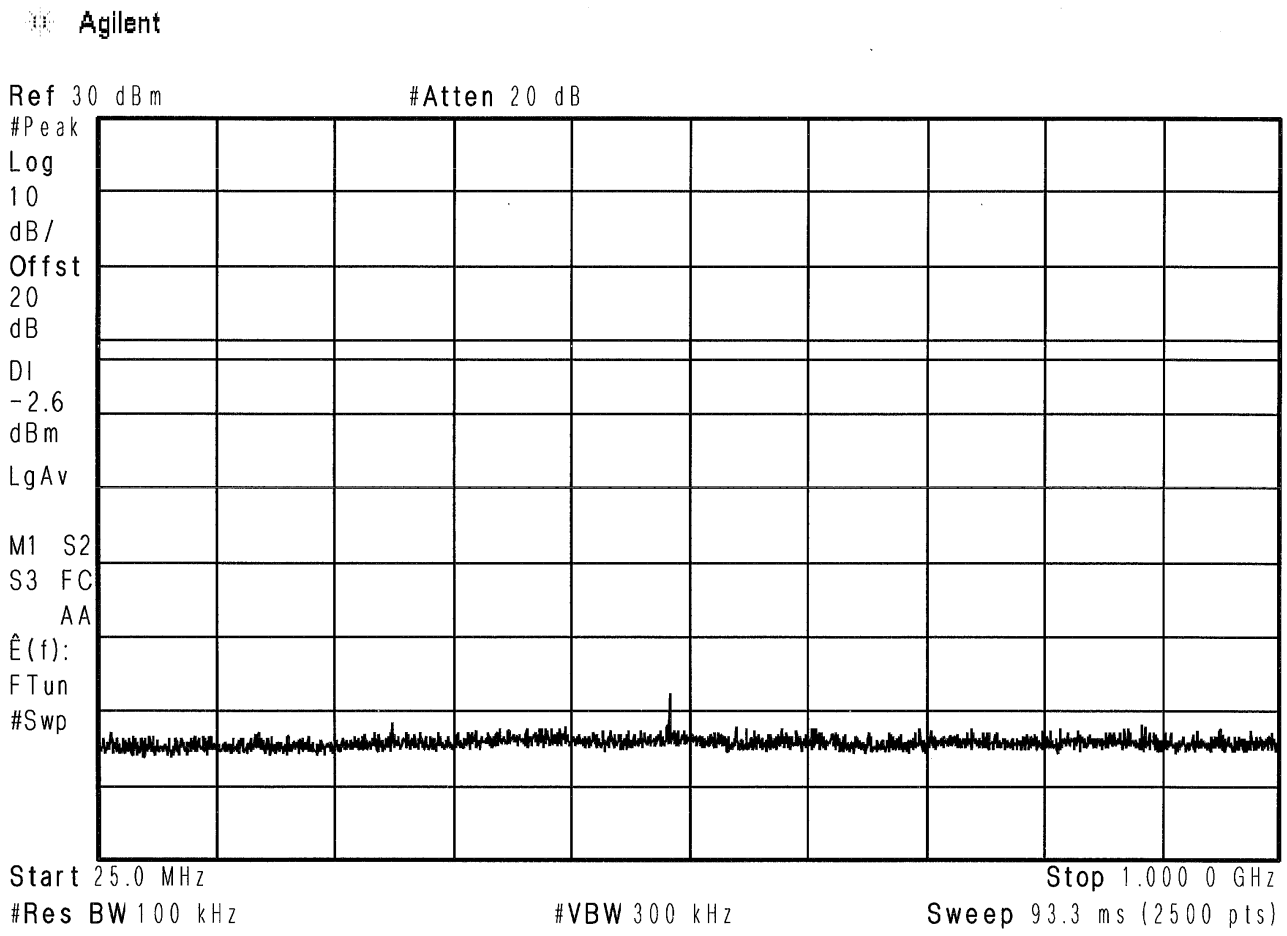
25MHz to 1GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b) at 2437 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -2.59 dBm



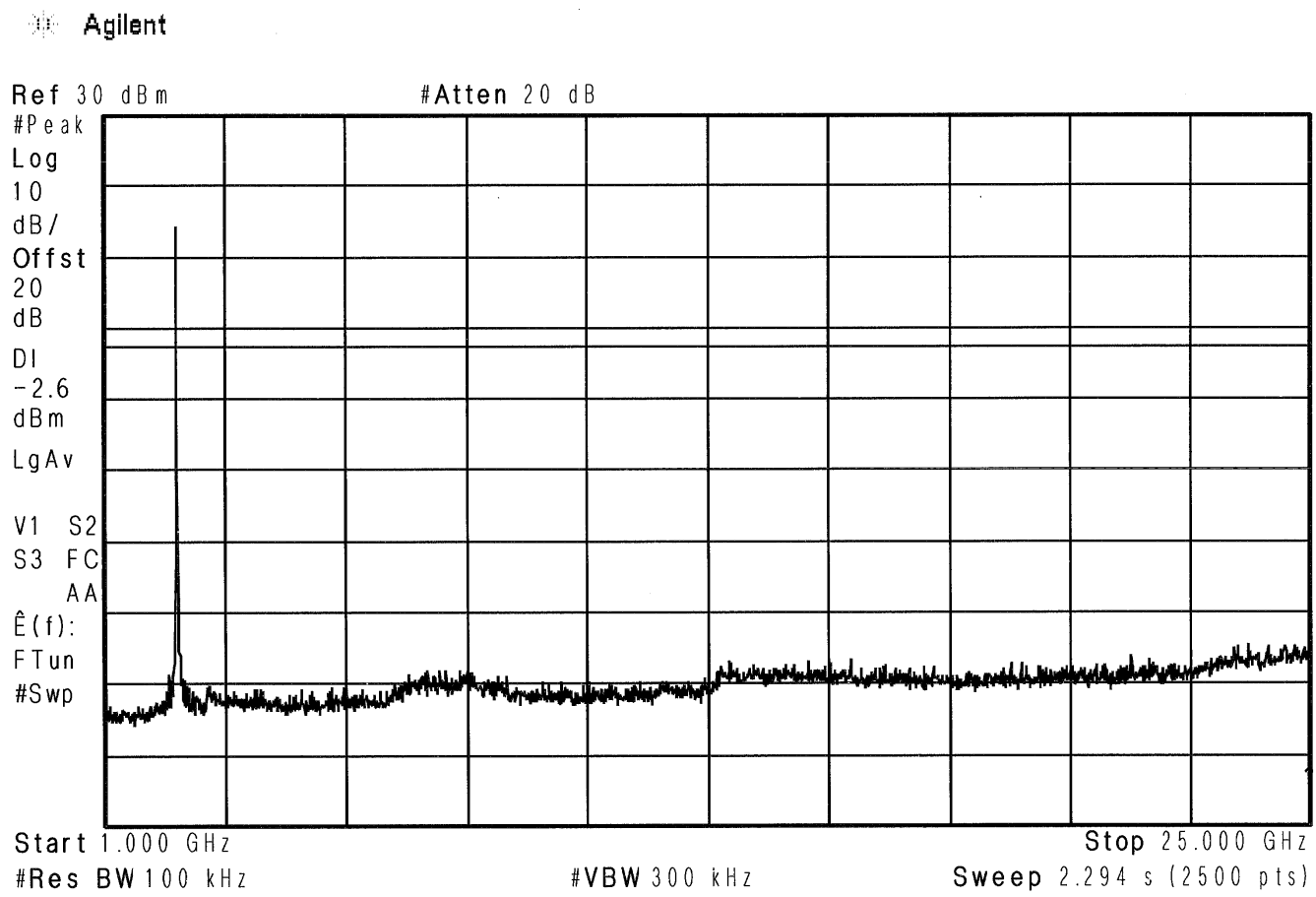
1GHz to 25GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -2.59 dBm



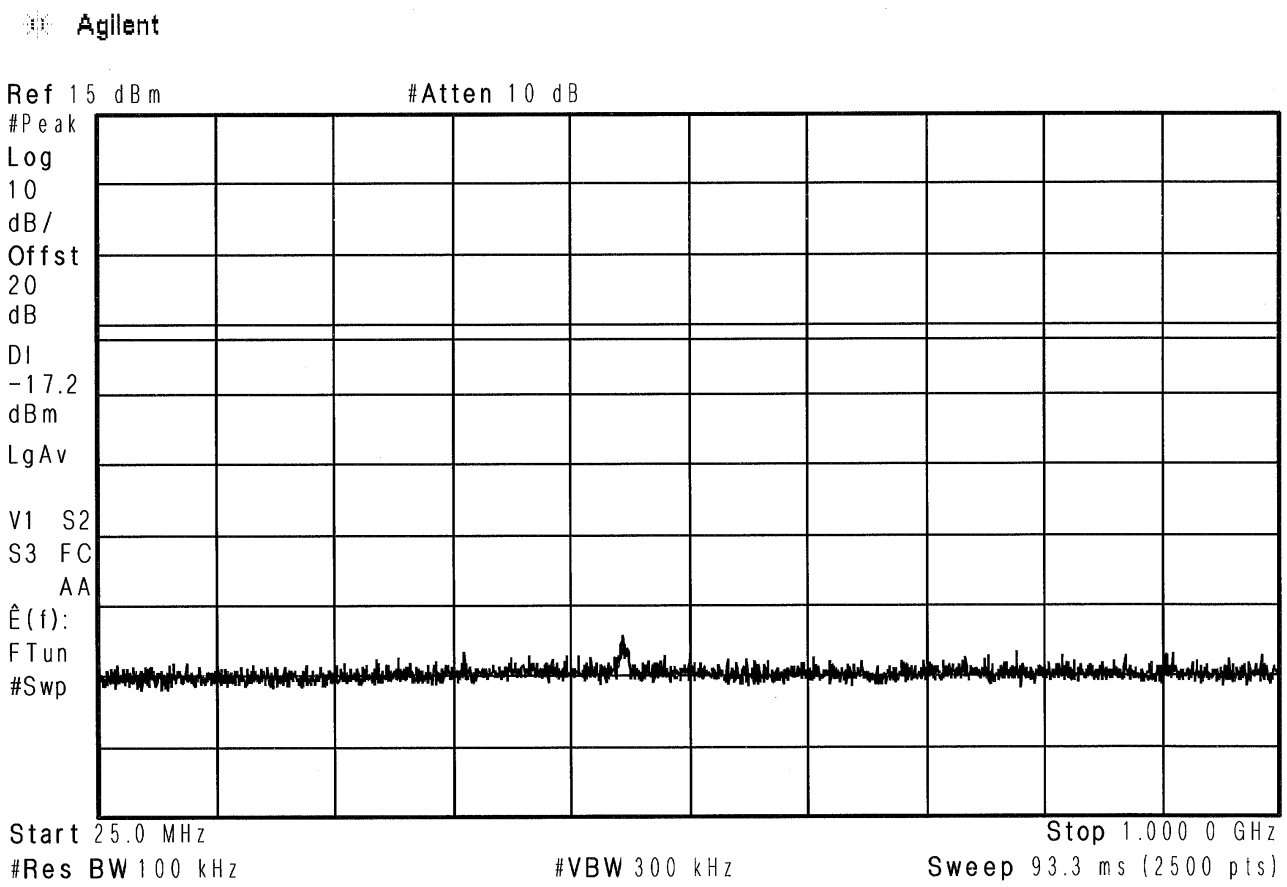
25MHz to 1GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -2.59 dBm



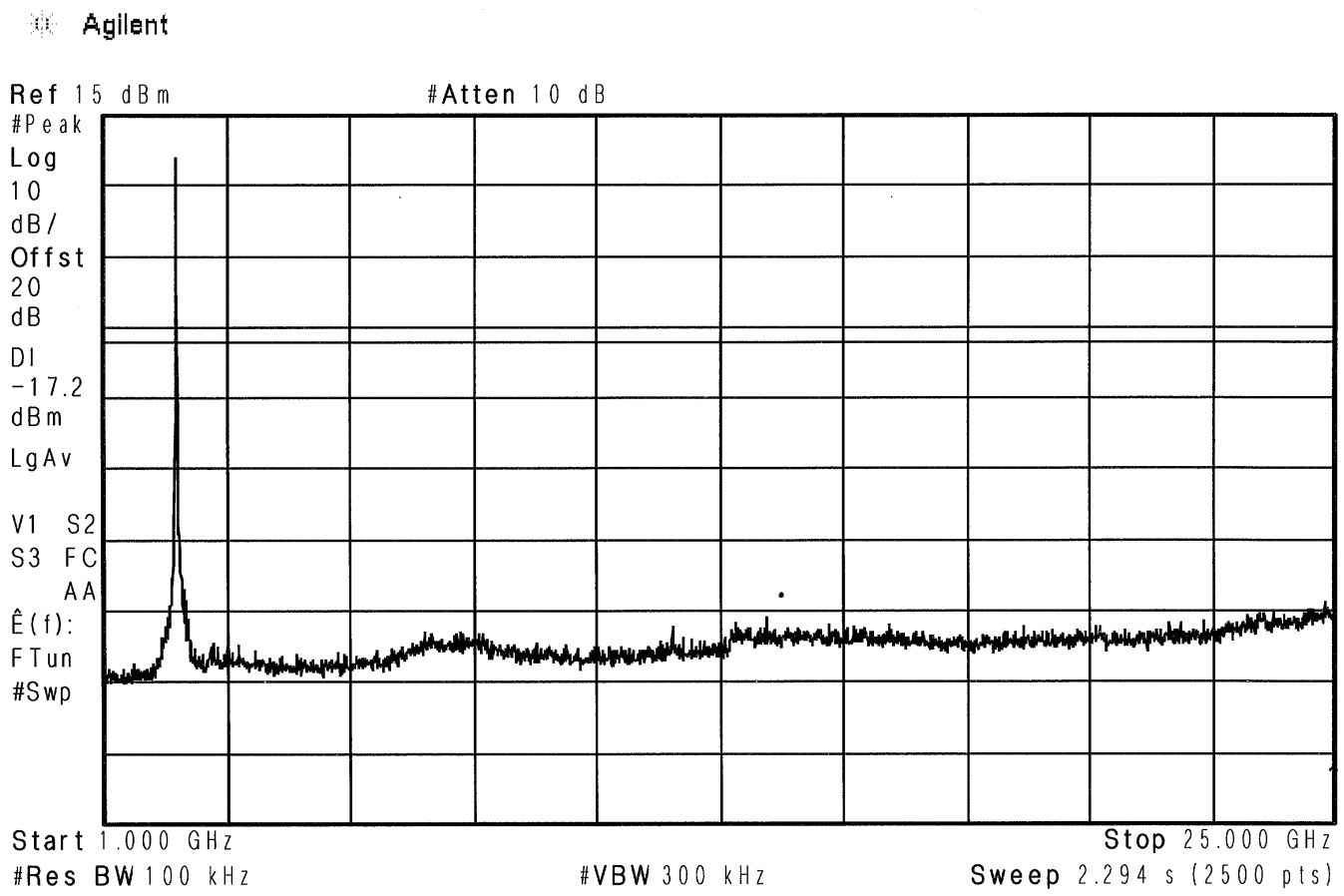
1GHz to 25GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -17.17 dBm



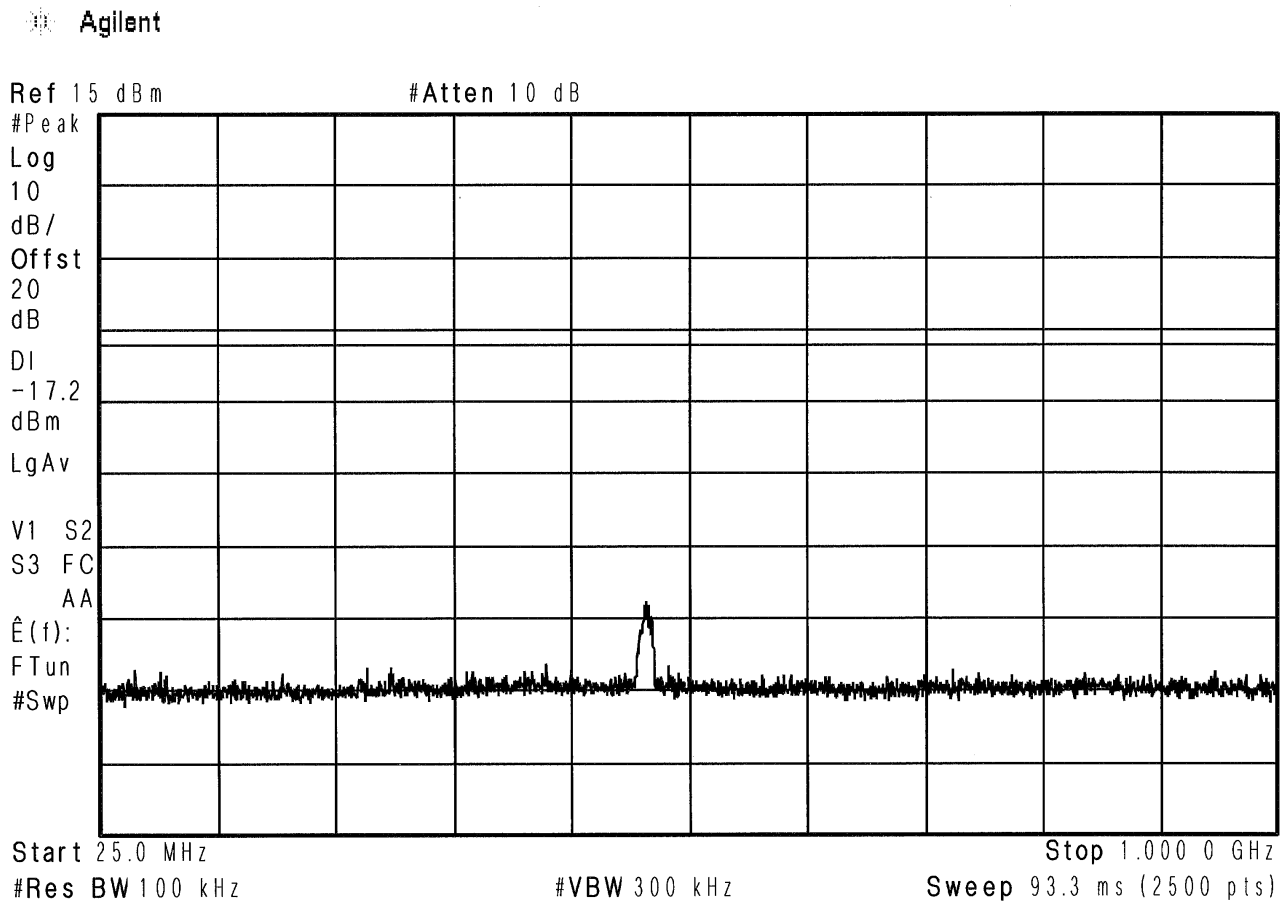
25MHz to 1GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -17.17 dBm



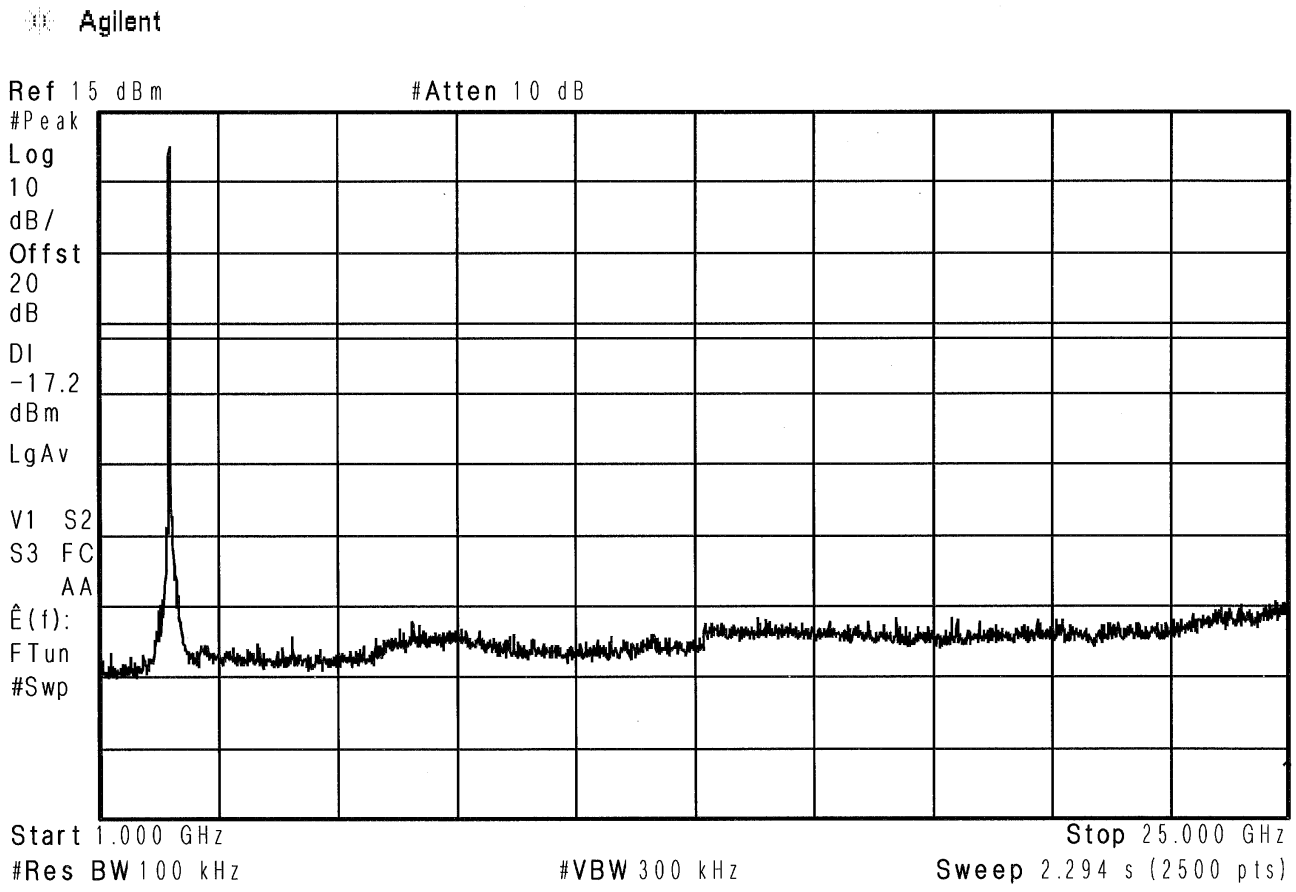
1GHz to 25GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g) at 2437 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -17.17 dBm



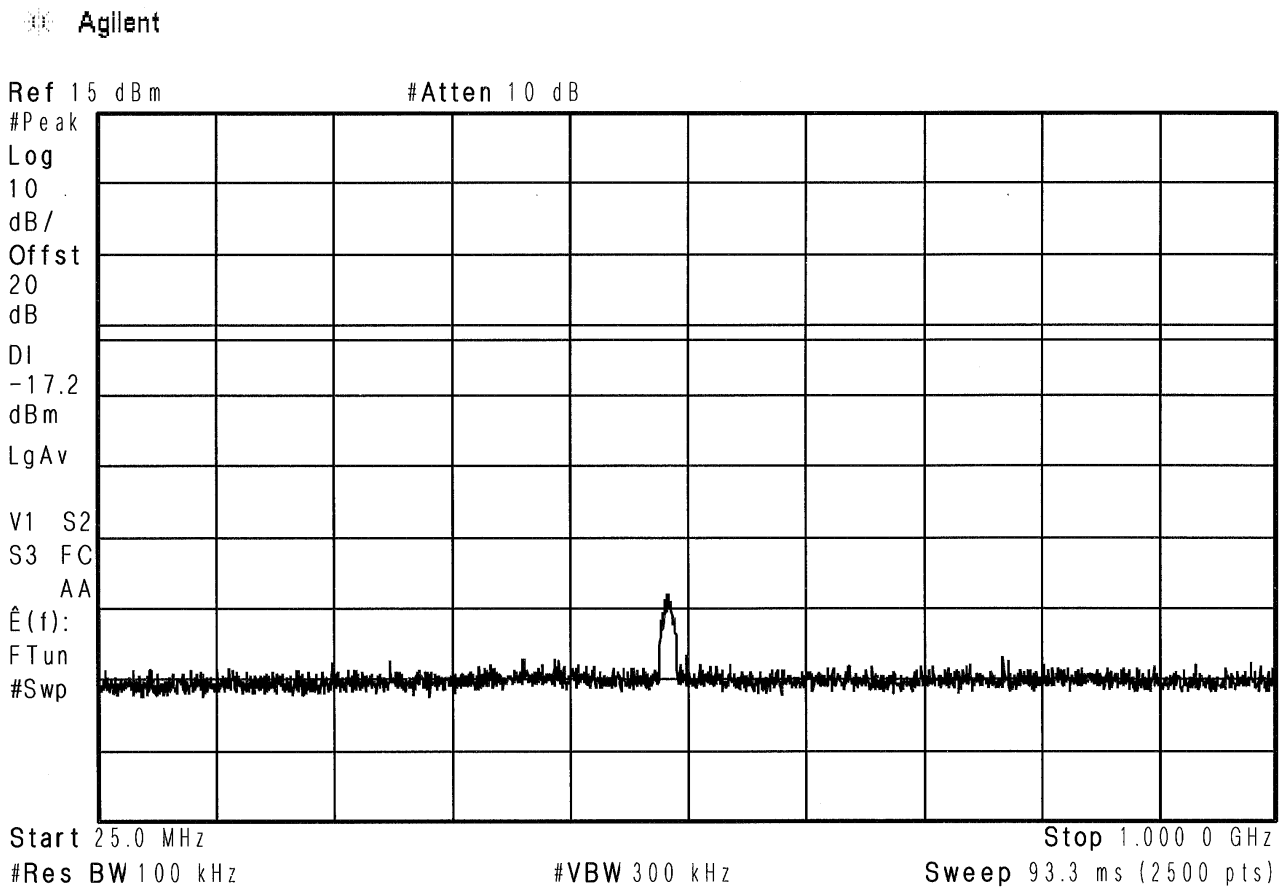
25MHz to 1GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g) at 2437 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -17.17 dBm



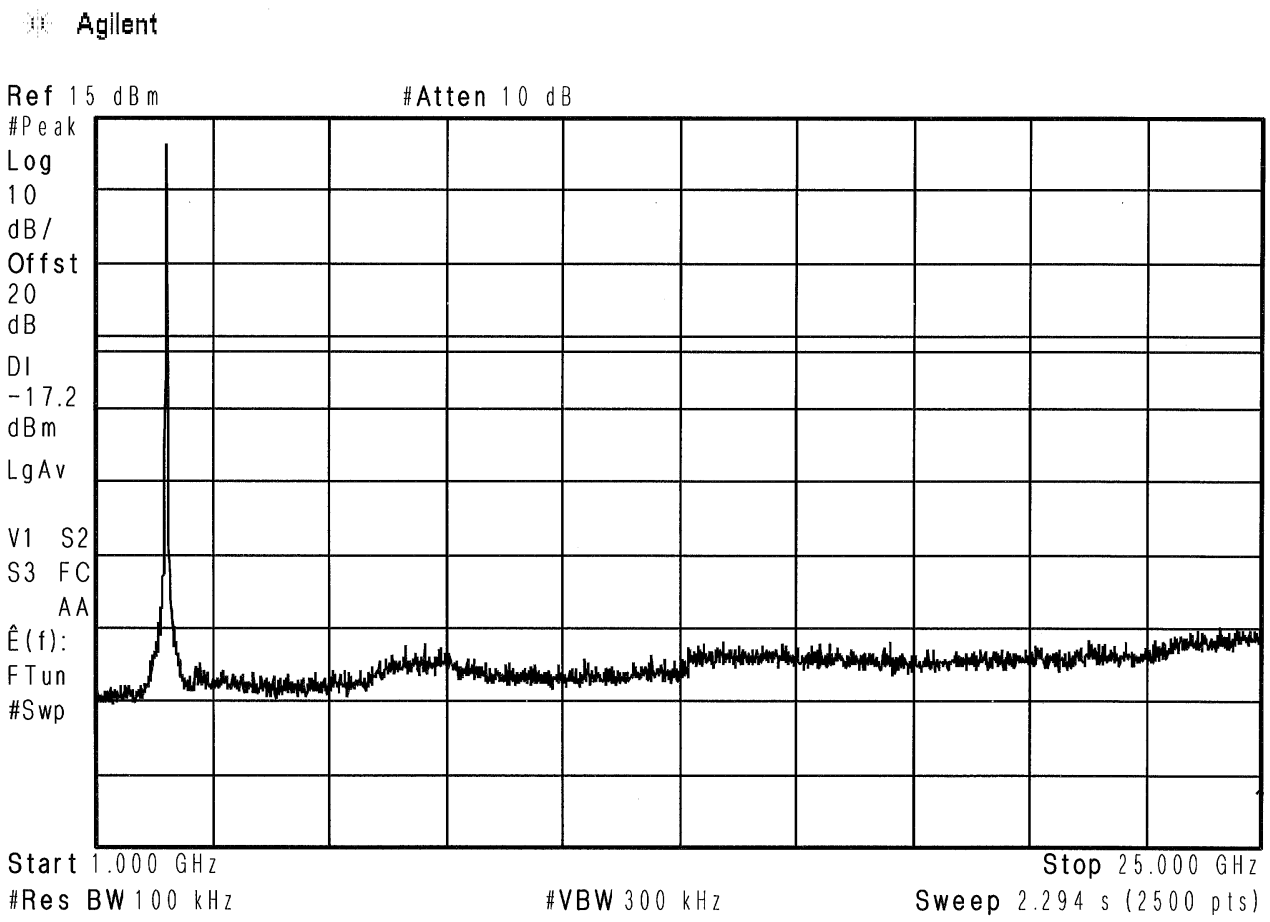
1GHz to 25GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -17.17 dBm



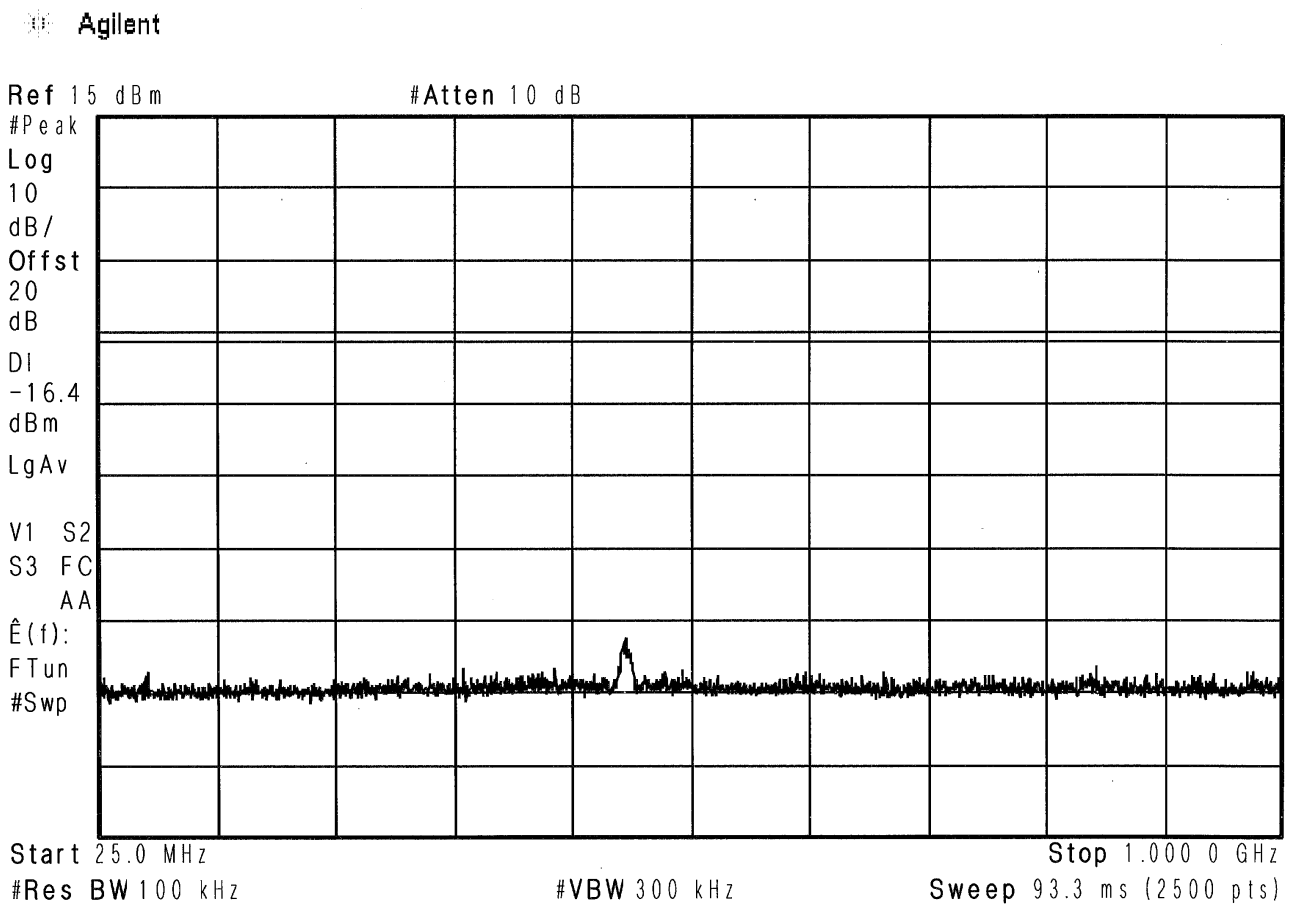
25MHz to 1GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -17.17 dBm



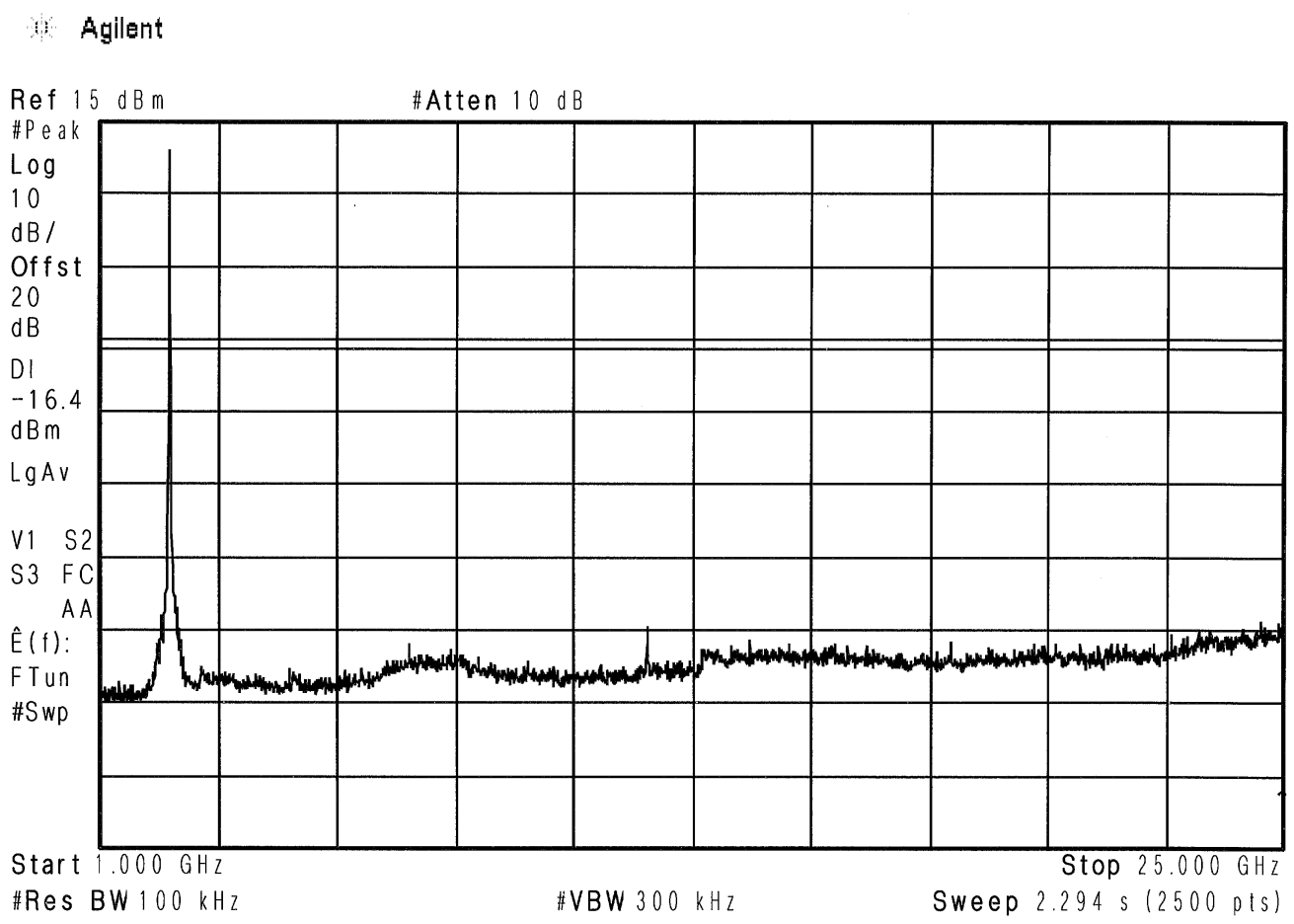
1GHz to 25GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -16.41 dBm



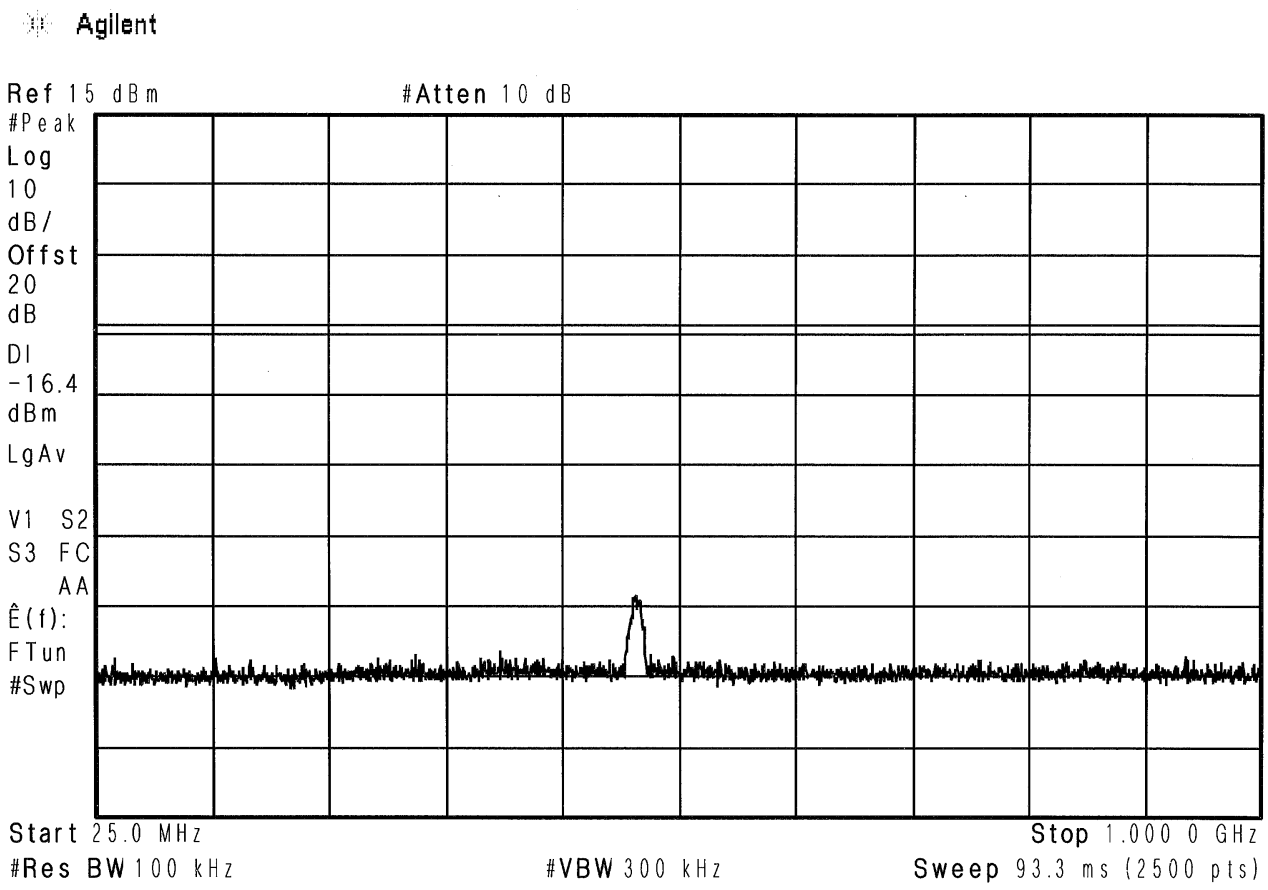
30MHz to 1GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -16.41 dBm



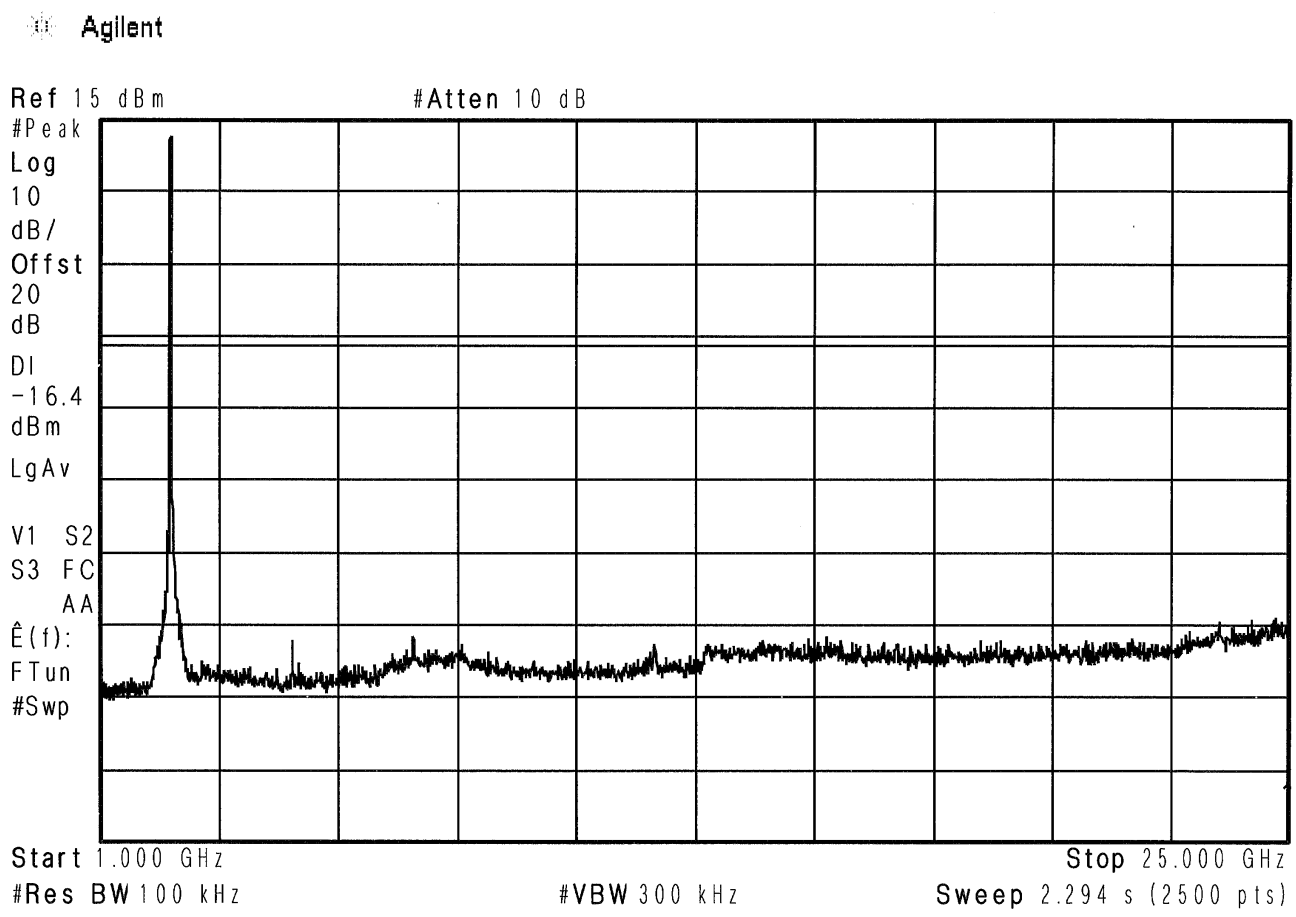
1GHz to 25GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n) at 2437 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -16.41 dBm



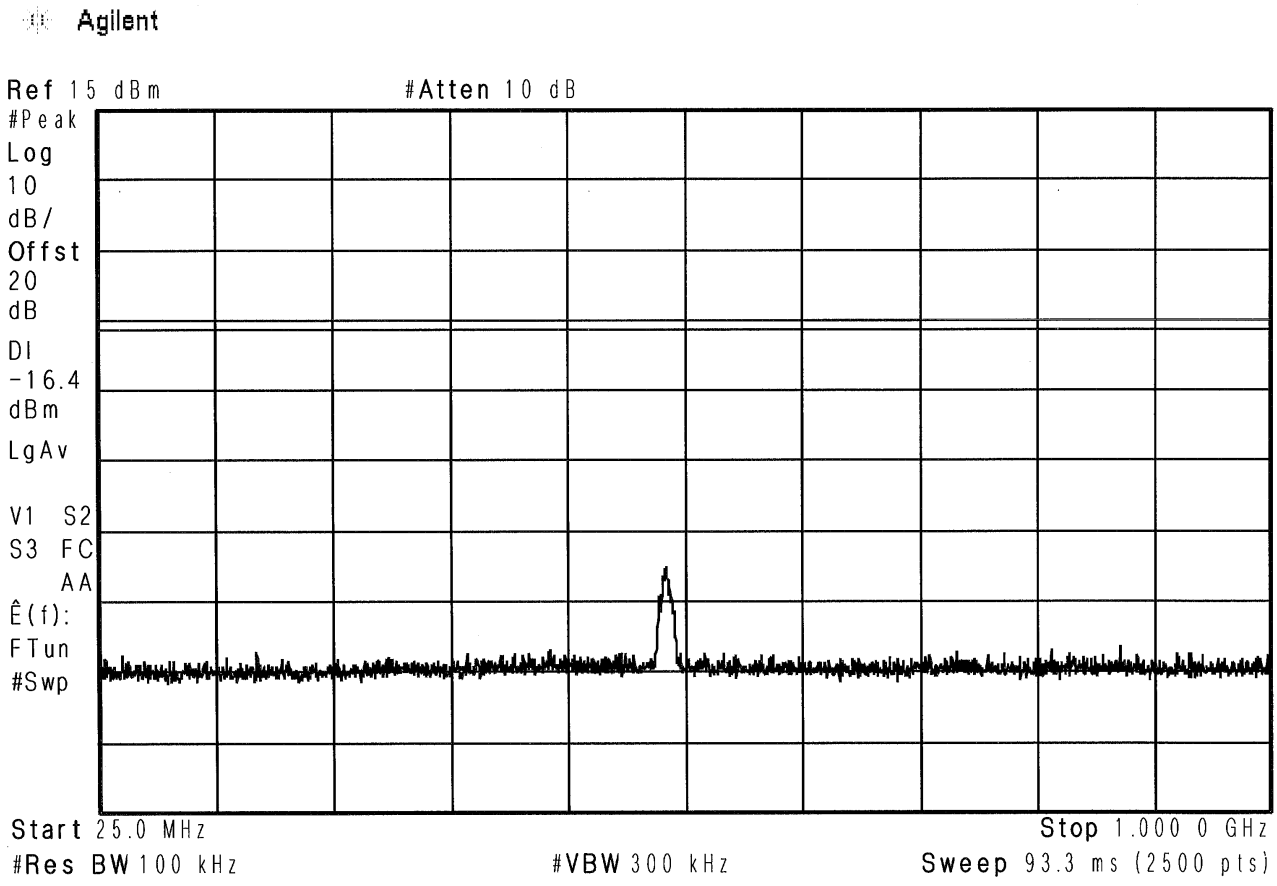
25MHz to 1GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n) at 2437 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -16.41 dBm



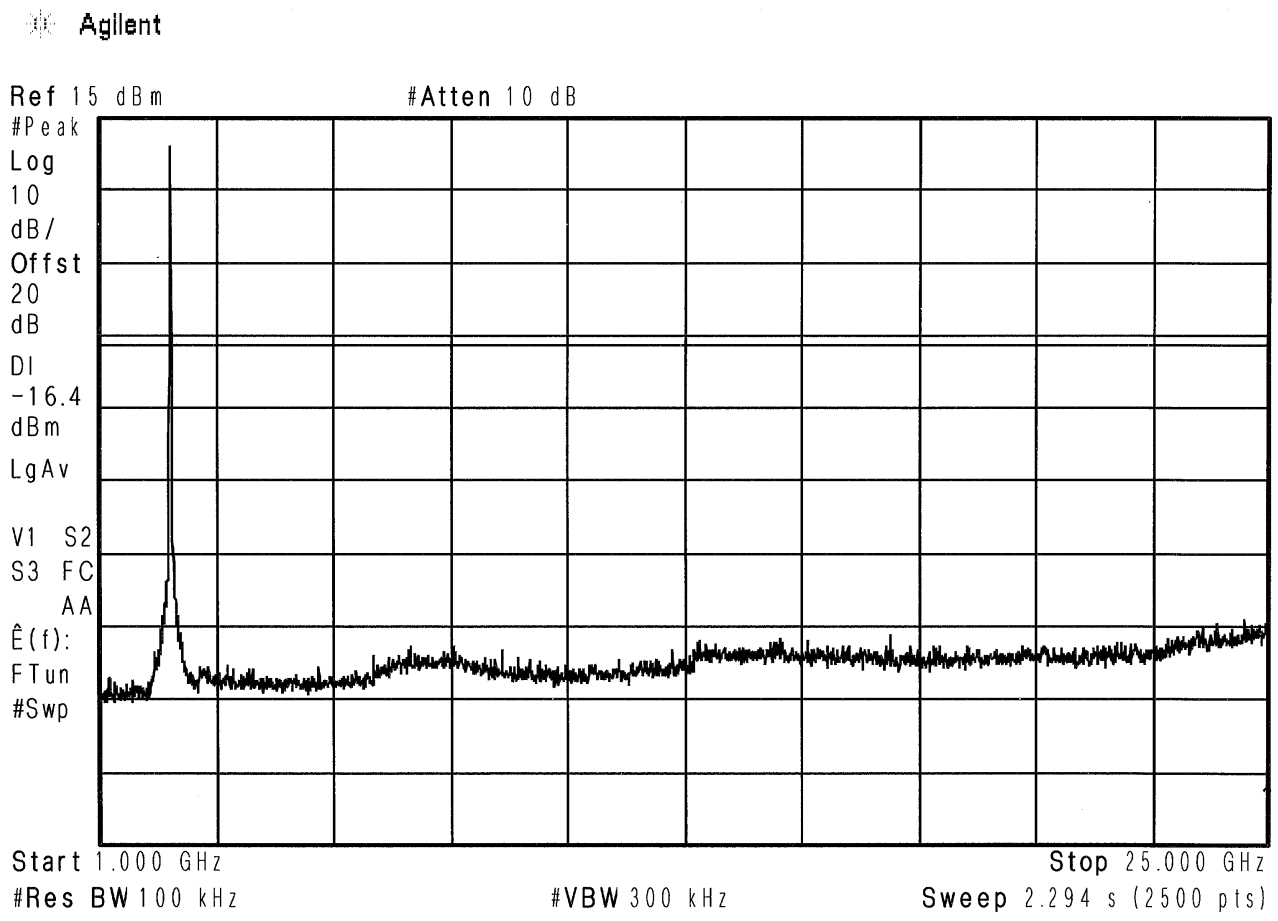
1GHz to 25GHz

EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -16.41 dBm



25MHz to 1GHz

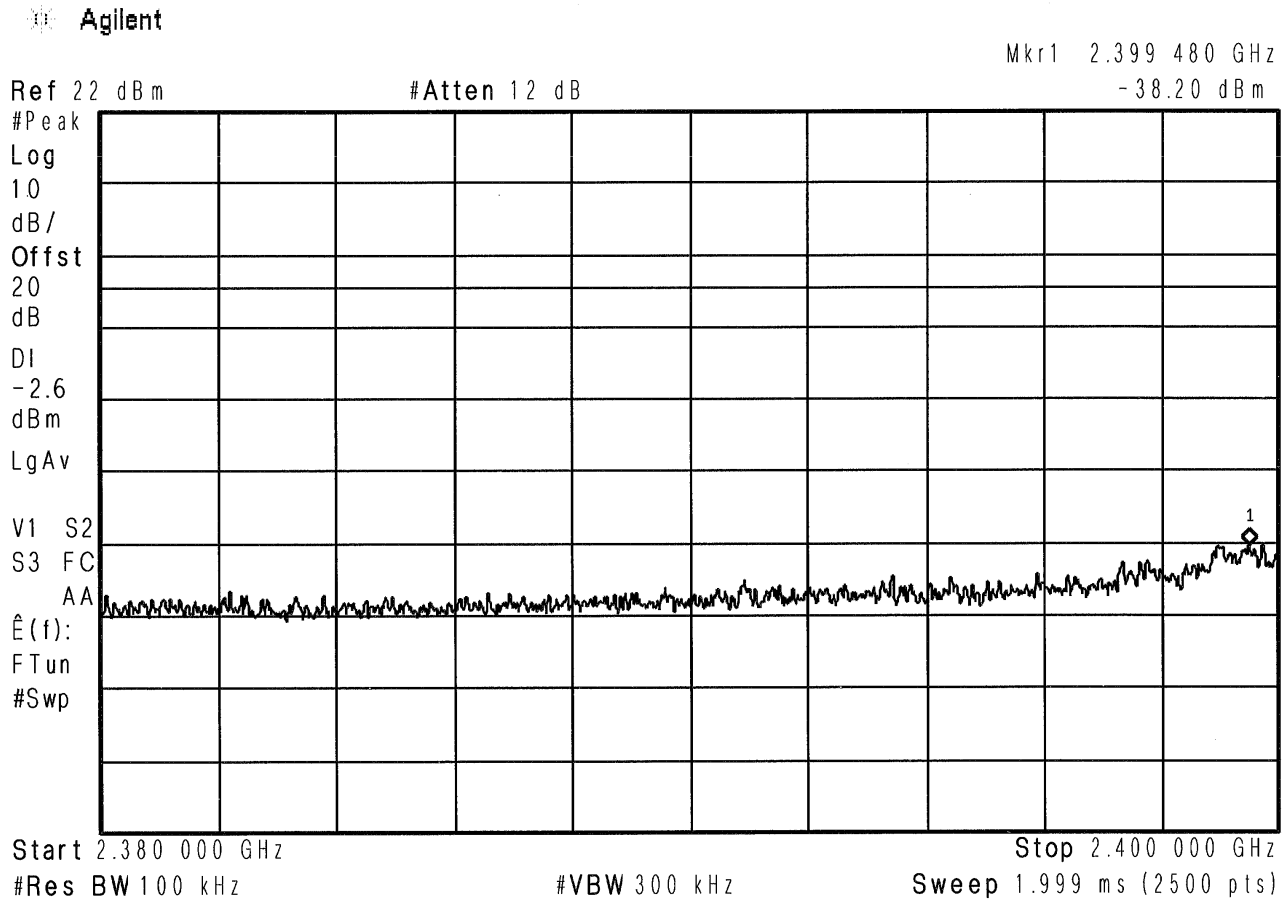
EMISSIONS TEST DATA SHEET	
Method:	**Conducted Out of Band**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Limit: -16.41 dBm



1GHz to 25GHz

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

EMISSIONS TEST DATA SHEET	
Method:	**Band Edge**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Reading: -38.20 dBm Limit: -2.59 dBm

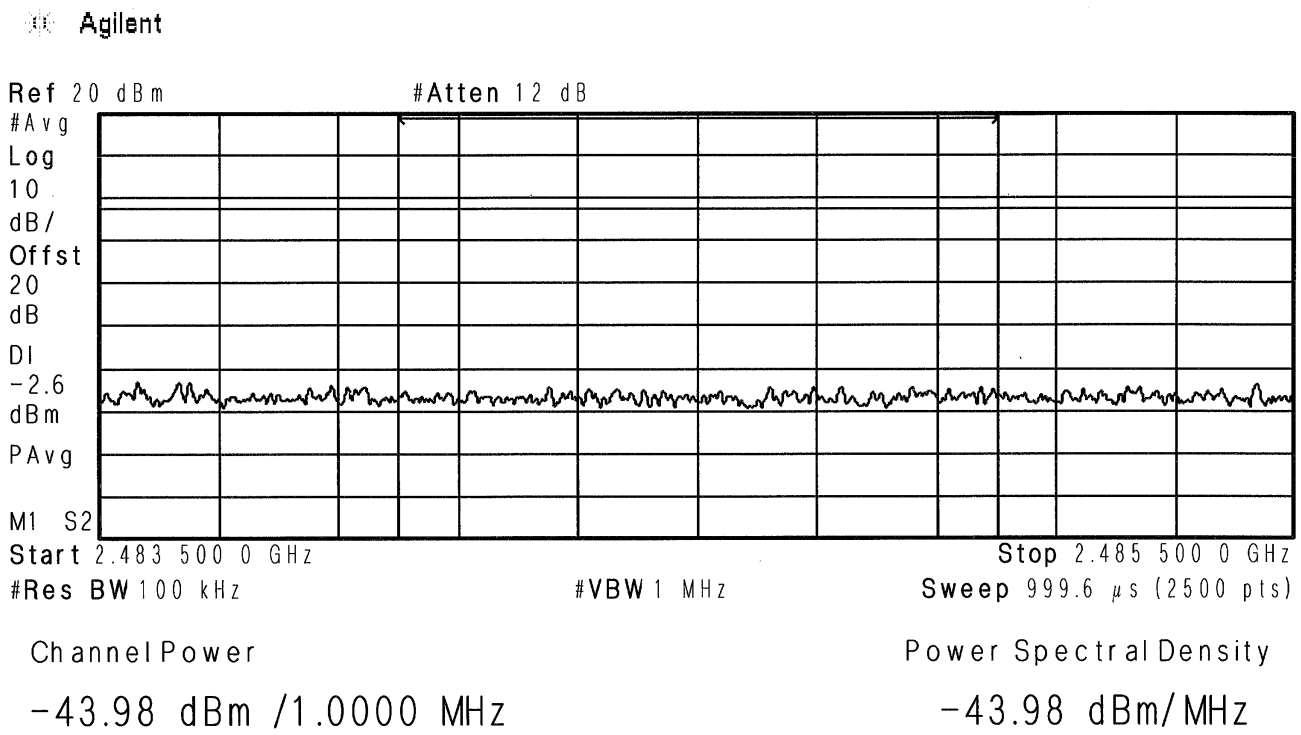


Band Edge Low

Retlif Testing Laboratories

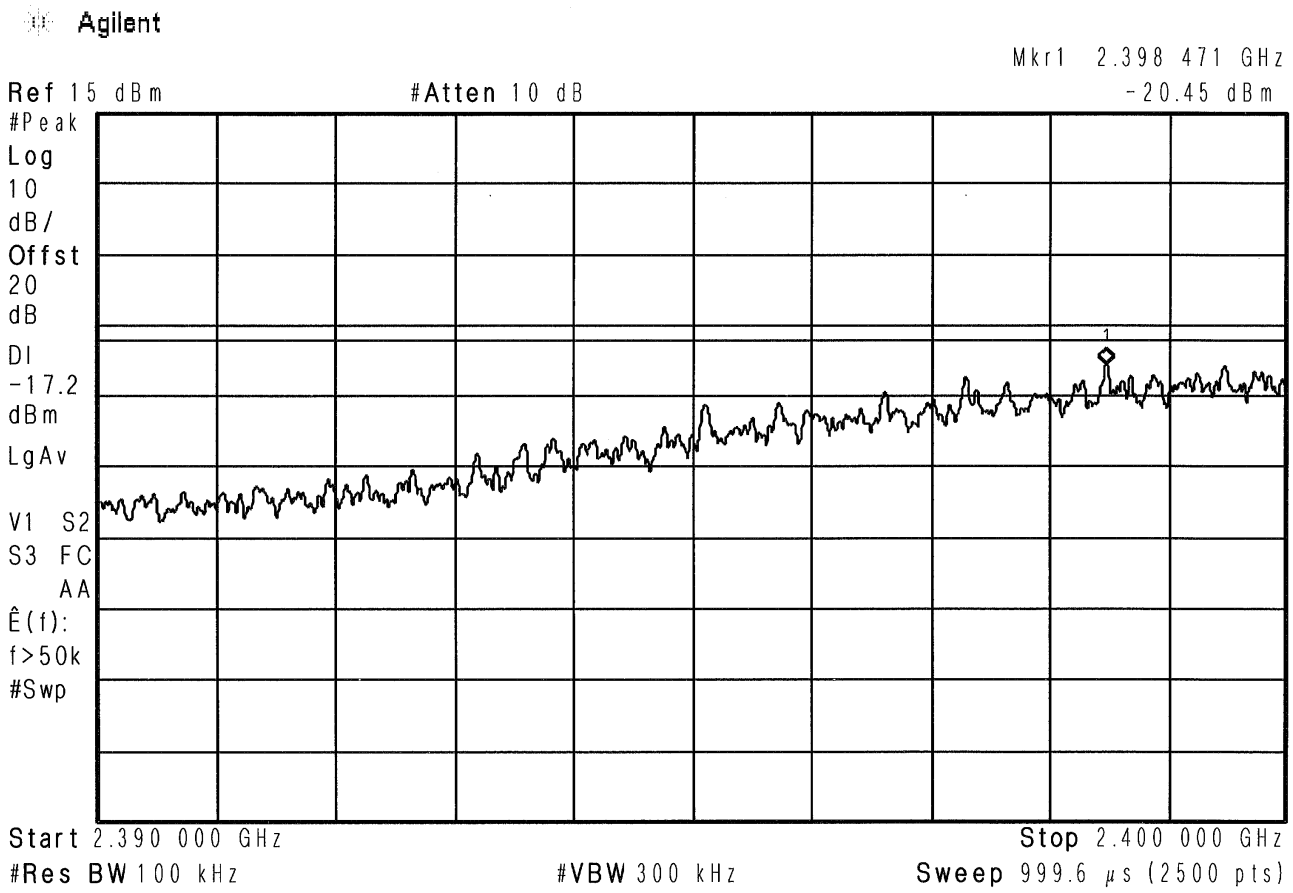
Report No. R-6673H-2, Rev. B

EMISSIONS TEST DATA SHEET	
Method:	**Band Edge**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Reading: -43.98 dBm Limit: -2.59 dBm



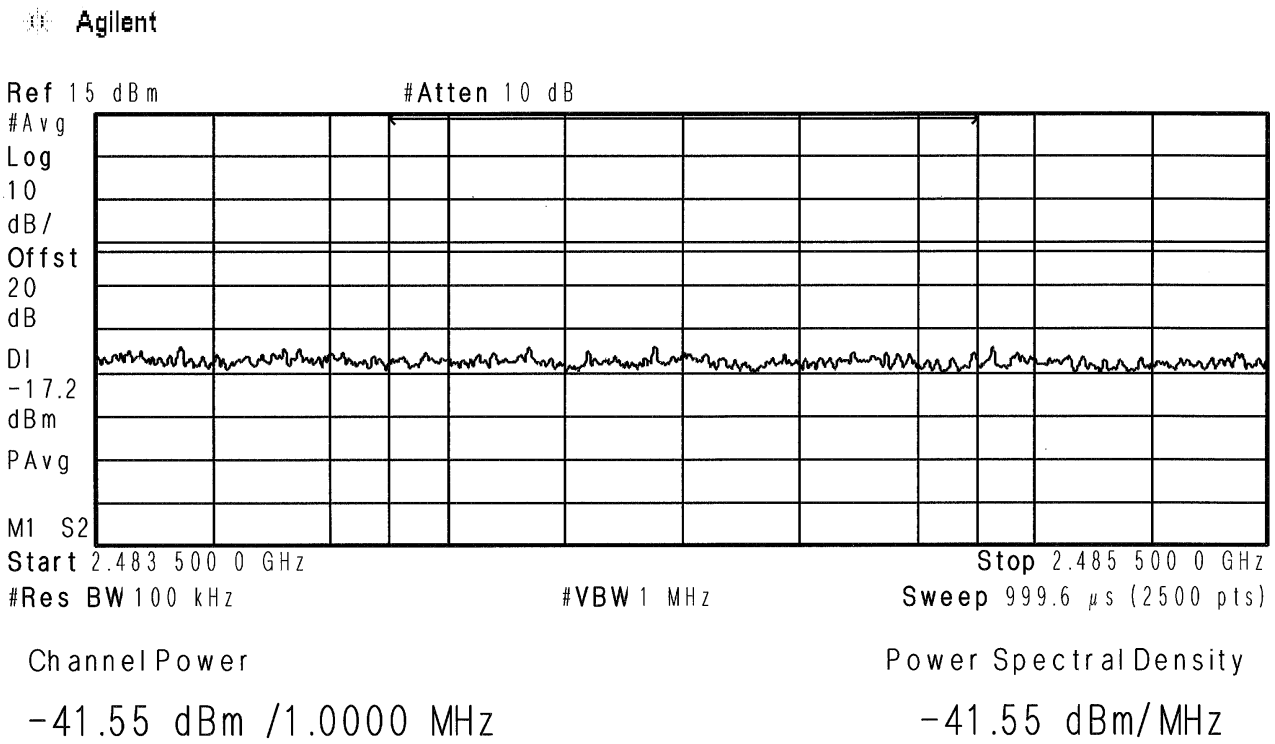
Band Edge High

EMISSIONS TEST DATA SHEET	
Method:	**Band Edge**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Reading: -20.45 dBm Limit: -17.17 dBm



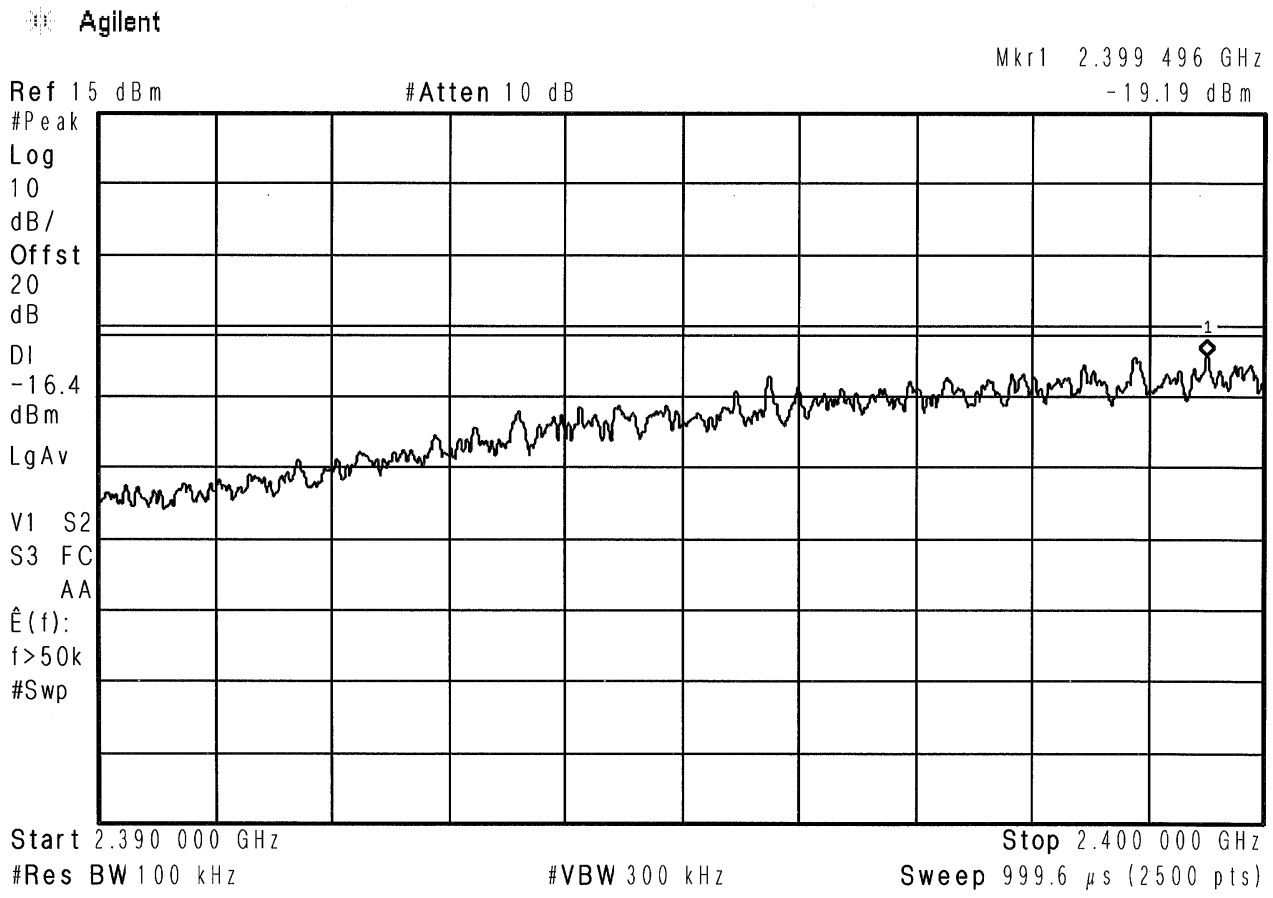
Band Edge Low

EMISSIONS TEST DATA SHEET	
Method:	**Band Edge**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Reading: -41.55 dBm Limit: -17.17 dBm



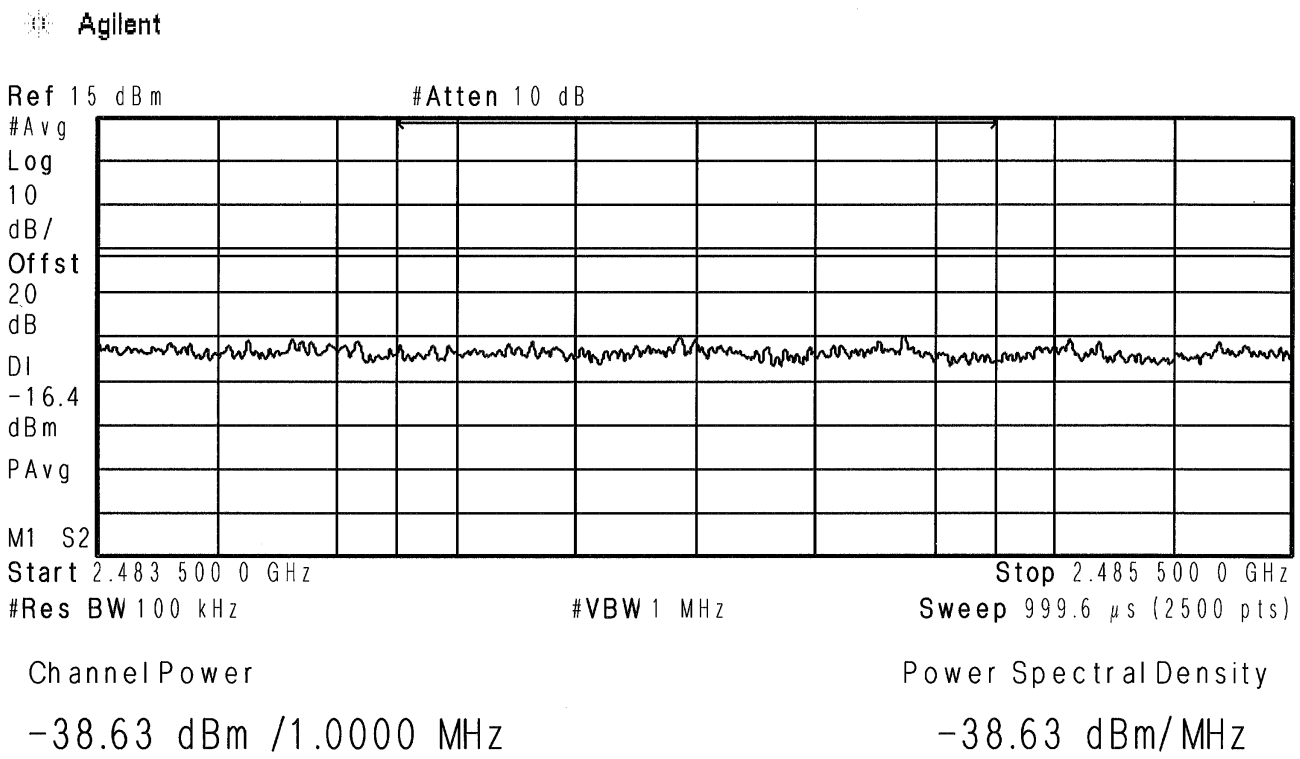
Band Edge High

EMISSIONS TEST DATA SHEET	
Method:	**Band Edge**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Reading: -19.19 dBm Limit: -16.41 dBm



Band Edge Low

EMISSIONS TEST DATA SHEET	
Method:	**Band Edge**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (d)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Reading: -38.63 dBm Limit: -16.41 dBm



Band Edge High

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

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions in Restricted Frequency Bands	
Customer	Bounce Imaging	
Job Number	R-6673H-2	
Test Sample	Recce 360 Mini Tactical Throwable Camera	
Model Number	20500-013	
Serial Number	0252598	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	March 17th-18th, 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Quasi-Peak < 1GHz, Average >1GHz Measurements)
An antenna gain value of 2.5 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*	-73.13	-			-73.13	22.128	12.776	|
38.25	-	-	-			-	-	-	100.00
73.00	-	-	-			-	-	-	100.00
|	74.00*	-71.34	-			-71.34	23.918	15.699	|
74.60	-	-	-			-	-	-	100.00
74.80	-	-	-			-	-	-	100.00
|	75.00*	-71.25	-			-71.25	24.008	15.863	|
75.20	-	-	-			-	-	-	100.00
108.00	-	-	-			-	-	-	100.00
|	115.00*	-71.98	-			-71.98	23.278	14.584	|
121.94	-	-	-			-	-	-	100.00
123.00	-	-	-			-	-	-	100.00
|	130.00*	-71.86	-			-71.86	23.398	14.787	|
138.00	-	-	-			-	-	-	100.00

No EUT emissions within 10 dB of the specified test limit were observed 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

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Bounce Imaging	
Job Number	R-6673H-2	
Test Sample	Recce 360 Mini Tactical Throwable Camera	
Model Number	20500-013	
Serial Number	0252598	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	March 17th-18th, 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Quasi-Peak < 1GHz, Average >1GHz Measurements)
An antenna gain value of 2.5 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*	-71.36	-			-71.36	23.898	15.663	|
150.05	-	-	-			-	-	-	100.00
156.52	-	-	-			-	-	-	100.00
|	156.52*	-71.35	-			-71.35	23.908	15.681	|
156.52	-	-	-			-	-	-	100.00
156.70	-	-	-			-	-	-	100.00
|	156.80*	-71.35	-			-71.35	23.908	15.681	|
156.90	-	-	-			-	-	-	100.00
162.01	-	-	-			-	-	-	150.00
|	165.00*	-71.34	-			-71.34	23.918	15.699	|
167.17	-	-	-			-	-	-	150.00
167.72	-	-	-			-	-	-	150.00
|	170.00*	-71.24	-			-71.24	24.018	15.881	|
173.20	-	-	-			-	-	-	150.00

No EUT emissions within 10 dB of the specified test limit were observed 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

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Bounce Imaging	
Job Number	R-6673H-2	
Test Sample	Recce 360 Mini Tactical Throwable Camera	
Model Number	20500-013	
Serial Number	0252598	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	March 17th-18th, 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Quasi-Peak < 1GHz, Average >1GHz Measurements)
An antenna gain value of 2.5 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*	-72.92	-			-72.92	22.338	13.088	|
285.00	-	-	-			-	-	-	200.00
322.80	-	-	-			-	-	-	200.00
|	330.00*	-73.00	-			-73.00	22.258	12.968	|
335.40	-	-	-			-	-	-	200.00
399.90	-	-	-			-	-	-	200.00
|	405.00*	-73.31	-			-73.31	21.948	12.513	|
410.00	-	-	-			-	-	-	200.00
608.00	-	-	-			-	-	-	200.00
|	611.00*	-70.72	-			-70.72	24.538	16.861	|
614.00	-	-	-			-	-	-	200.00
960.00	-	-	-			-	-	-	500.00
|	975.00*	-67.75	-			-67.75	27.508	23.734	|
1240.00	-	-	-			-	-	-	500.00
1300.00	-	-	-			-	-	-	500.00
|	1350.00*	-69.99	-			-69.99	25.268	18.339	|
1427.00	-	-	-			-	-	-	500.00

No EUT emissions within 10 dB of the specified test limit were observed 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

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Bounce Imaging	
Job Number	R-6673H-2	
Test Sample	Recce 360 Mini Tactical Throwable Camera	
Model Number	20500-013	
Serial Number	0252598	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	March 17th-18th, 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Average Measurements)
An antenna gain value of 2.5 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*	-68.87	-			-68.87	26.388	20.863	|
1646.50	-	-	-			-	-	-	500.00
1660.00	-	-	-			-	-	-	500.00
|	1680.00*	-69.80	-			-69.80	25.458	18.745	|
1710.00	-	-	-			-	-	-	500.00
1718.80	-	-	-			-	-	-	500.00
|	1720.00*	-70.27	-			-70.27	24.988	17.757	|
1722.20	-	-	-			-	-	-	500.00
2200.00	-	-	-			-	-	-	500.00
|	2250.00*	-70.01	-			-70.01	25.248	18.297	|
2300.00	-	-	-			-	-	-	500.00
2310.00	-	-	-			-	-	-	500.00
|	2390.00	-45.82	2.5			-43.32	51.938	395.26	|
2390.00	-	-	-			-	-	-	500.00
2483.50	-	-	-			-	-	-	500.00
|	2483.50	-45.06	2.5			-42.56	52.698	431.40	|
2500.00	-	-	-			-	-	-	500.00

EUT emissions were observed within 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

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Bounce Imaging	
Job Number	R-6673H-2	
Test Sample	Recce 360 Mini Tactical Throwable Camera	
Model Number	20500-013	
Serial Number	0252598	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	March 17th-18th, 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Average Measurements)
An antenna gain value of 2.5 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*	-70.08	-			-70.08	25.178	18.15	|
2900.00	-	-	-			-	-	-	500.00
3260.00	-	-	-			-	-	-	500.00
|	3263.00*	-69.97	-			-69.97	25.288	18.381	|
3267.00	-	-	-			-	-	-	500.00
3332.00	-	-	-			-	-	-	500.00
|	3336.00*	-69.97	-			-69.97	25.288	18.381	|
3339.00	-	-	-			-	-	-	500.00
3345.00	-	-	-			-	-	-	500.00
|	3350.00*	-69.88	-			-69.88	25.378	25.378	|
3358.00	-	-	-			-	-	-	500.00
3600.00	-	-	-			-	-	-	500.00
|	3700.00*	-69.04	-			-69.04	26.218	26.218	|
4400.00	-	-	-			-	-	-	500.00
4500.00	-	-	-			-	-	-	500.00
|	4903.00	-47.31	2.5			-44.81	50.448	332.95	|
5150.00	-	-	-			-	-	-	500.00

EUT emissions were observed within 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

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Bounce Imaging	
Job Number	R-6673H-2	
Test Sample	Recce 360 Mini Tactical Throwable Camera	
Model Number	20500-013	
Serial Number	0252598	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	March 17th-18th, 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Average Measurements)
An antenna gain value of 2.5 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*	-67.77	-			-67.77	27.488	23.680	|
5460.00	-	-	-			-	-	-	500.00
7250.00	-	-	-			-	-	-	500.00
|	7357.00	-57.09	2.5			-54.59	40.668	107.990	|
7750.00	-	-	-			-	-	-	500.00
8025.00	-	-	-			-	-	-	500.00
|	8300.00*	-67.62	-			-67.62	27.638	24.092	|
8500.00	-	-	-			-	-	-	500.00
9000.00	-	-	-			-	-	-	500.00
|	9100.00*	-67.57	-			-67.57	27.688	24.231	|
9200.00	-	-	-			-	-	-	500.00
9300.00	-	-	-			-	-	-	500.00
|	9400.00*	-67.47	-			-67.47	27.788	24.512	|
9500.00	-	-	-			-	-	-	500.00
10600.00	-	-	-			-	-	-	500.00
|	12260.00	-57.03	2.5			-54.53	40.728	108.740	|
12700.00	-	-	-			-	-	-	500.00

EUT emissions were observed within 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

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Bounce Imaging	
Job Number	R-6673H-2	
Test Sample	Recce 360 Mini Tactical Throwable Camera	
Model Number	20500-013	
Serial Number	0252598	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	March 17th-18th, 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Average Measurements)
An antenna gain value of 2.5 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**
13250.00	-	-	-			-	-	-	500.00
|	14742.00	-58.50	2.5			-56.00	39.258	91.808	|
16200.00	-	-	-			-	-	-	500.00
17700.00	-	-	-			-	-	-	500.00
|	19240.00*	-66.29	-			-66.29	28.968	28.079	|
21400.00	-	-	-			-	-	-	500.00
22010.00	-	-	-			-	-	-	500.00
|	22500.00*	-62.99	-			-62.99	32.268	41.056	|
23120.00	-	-	-			-	-	-	500.00
23000.00	-	-	-			-	-	-	500.00
|	23800.00*	-64.30	-			-64.30	30.958	35.308	|
24000.00	-	-	-			-	-	-	500.00

EUT emissions were observed within 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

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Bounce Imaging	
Job Number	R-6673H-2	
Test Sample	Recce 360 Mini Tactical Throwable Camera	
Model Number	20500-013	
Serial Number	0252598	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	March 17th-18th, 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Peak Measurements)
An antenna gain value of 2.5 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*	-52.93	-			-52.93	42.328	130.58	|
1427.00	-	-	-			-	-	-	5000.00
1435.00	-	-	-			-	-	-	5000.00
|	1500.00*	-52.55	-			-52.55	42.708	136.58	|
1646.50	-	-	-			-	-	-	5000.00
1660.00	-	-	-			-	-	-	5000.00
|	1680.00*	-53.47	-			-53.47	41.788	122.85	|
1710.00	-	-	-			-	-	-	5000.00
1718.80	-	-	-			-	-	-	5000.00
|	1720.00*	-52.68	-			-52.68	42.578	134.55	|
1722.20	-	-	-			-	-	-	5000.00
2200.00	-	-	-			-	-	-	5000.00
|	2250.00*	-54.12	-			-54.12	41.138	113.99	|
2300.00	-	-	-			-	-	-	5000.00
2310.00	-	-	-			-	-	-	5000.00
|	2390.00	-29.30	2.5			-26.80	68.458	2647.80	|
2390.00	-	-	-			-	-	-	5000.00

EUT emissions were observed within 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

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Bounce Imaging	
Job Number	R-6673H-2	
Test Sample	Recce 360 Mini Tactical Throwable Camera	
Model Number	20500-013	
Serial Number	0252598	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	March 17th-18th, 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Peak Measurements)
An antenna gain value of 2.5 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	-27.94	2.5			-25.44	69.818	3096.60	|
2500.00	-	-	-			-	-	-	5000.00
2690.00	-	-	-			-	-	-	5000.00
|	2750.00*	-54.16	-			-54.16	41.098	113.47	|
2900.00	-	-	-			-	-	-	5000.00
3260.00	-	-	-			-	-	-	5000.00
|	3263.00*	-53.66	-			-53.66	41.598	120.19	|
3267.00	-	-	-			-	-	-	5000.00
3332.00	-	-	-			-	-	-	5000.00
|	3336.00*	-54.01	-			-54.01	41.248	115.45	|
3339.00	-	-	-			-	-	-	5000.00
3345.00	-	-	-			-	-	-	5000.00
|	3350.00*	-53.47	-			-53.47	42.788	122.85	|
3358.00	-	-	-			-	-	-	5000.00
3600.00	-	-	-			-	-	-	5000.00
|	3700.00*	-53.08	-			-53.08	42.178	128.49	|
4400.00	-	-	-			-	-	-	5000.00

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

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Bounce Imaging	
Job Number	R-6673H-2	
Test Sample	Recce 360 Mini Tactical Throwable Camera	
Model Number	20500-013	
Serial Number	0252598	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	March 17th-18th, 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Peak Measurements)
An antenna gain value of 2.5 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
|	4903.00	-47.31	2.5			-44.81	50.448	332.95	|
5150.00	-	-	-			-	-	-	5000.00
5350.00	-	-	-			-	-	-	5000.00
|	5400.00*	-51.57	-			-49.42	45.838	195.83	|
5460.00	-	-	-			-	-	-	5000.00
7250.00	-	-	-			-	-	-	5000.00
|	7311.00	-43.73	2.5			-41.23	54.028	502.78	|
7750.00	-	-	-			-	-	-	5000.00
8025.00	-	-	-			-	-	-	5000.00
|	8300.00*	-53.46	-			-53.46	41.798	122.99	|
8500.00	-	-	-			-	-	-	5000.00
9000.00	-	-	-			-	-	-	5000.00
|	9100.00*	-52.64	-			-52.64	42.618	135.17	|
9200.00	-	-	-			-	-	-	5000.00
9300.00	-	-	-			-	-	-	5000.00
|	9400.00*	-51.82	-			-51.82	43.438	148.55	|
9500.00	-	-	-			-	-	-	5000.00

EUT emissions were observed within 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

EMISSIONS TEST DATA SHEET

Test Method	Unwanted Emissions into Restricted Frequency Bands	
Customer	Bounce Imaging	
Job Number	R-6673H-2	
Test Sample	Recce 360 Mini Tactical Throwable Camera	
Model Number	20500-013	
Serial Number	0252598	
Test Specification	FCC Part 15 Subpart C	Paragraph: 15.247(d)
Operating Mode	Transmitting modulated signal	
Technician	M. Seamans	
Date	March 17th-18th, 2022	

Notes: ANSI C63.10, paragraph 11.12.2.5.3 (Peak Measurements)
An antenna gain value of 2.5 dBi was utilized for this test.

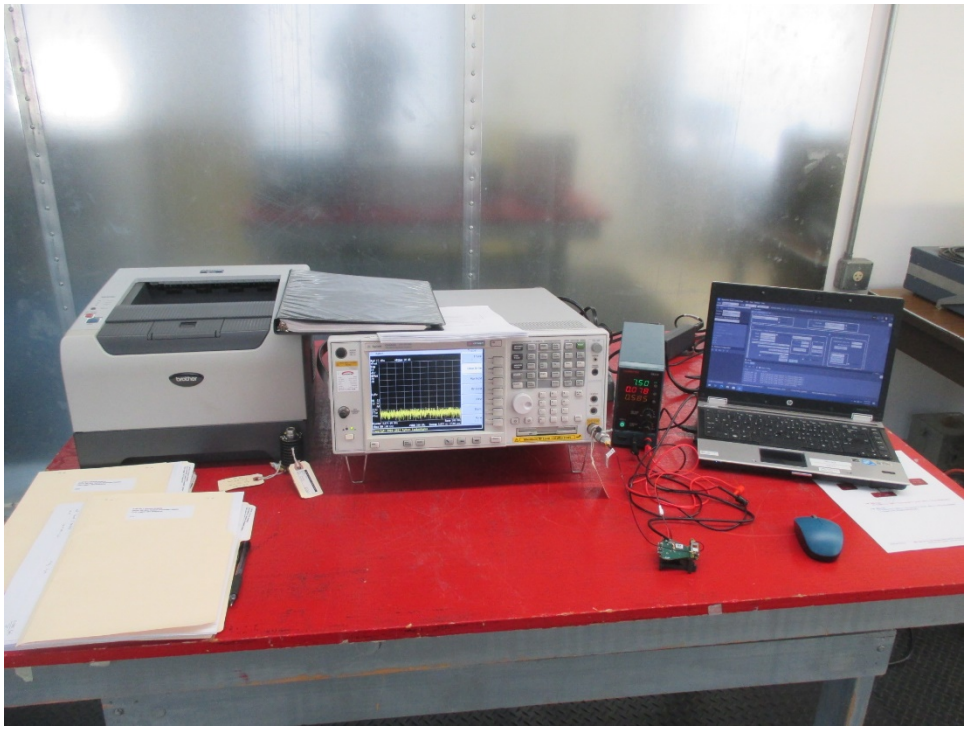
TEST PARAMETERS

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**
10600.00	-	-	-			-	-	-	5000.00
|	12260.00	-48.80	2.5			-46.30	48.958	280.47	|
12700.00	-	-	-			-	-	-	5000.00
13250.00	-	-	-			-	-	-	5000.00
|	14742.00	-47.95	2.5			-45.45	49.808	309.30	|
16200.00	-	-	-			-	-	-	5000.00
17700.00	-	-	-			-	-	-	5000.00
|	19240.00*	-52.12	-			-52.12	43.138	143.51	|
21400.00	-	-	-			-	-	-	5000.00
22010.00	-	-	-			-	-	-	5000.00
|	22500.00*	-48.91	-			-48.91	46.348	207.67	|
23120.00	-	-	-			-	-	-	5000.00
23000.00	-	-	-			-	-	-	5000.00
|	23800.00*	-49.89	-			-49.89	45.368	185.51	|
24000.00	-	-	-			-	-	-	5000.00

EUT emissions were observed within the given frequency spectrum. * This emission is not from the EUT. It is a measurement of minimum measurement system sensitivity (Noise Floor).

Test Photographs
Antenna Port, Power Density

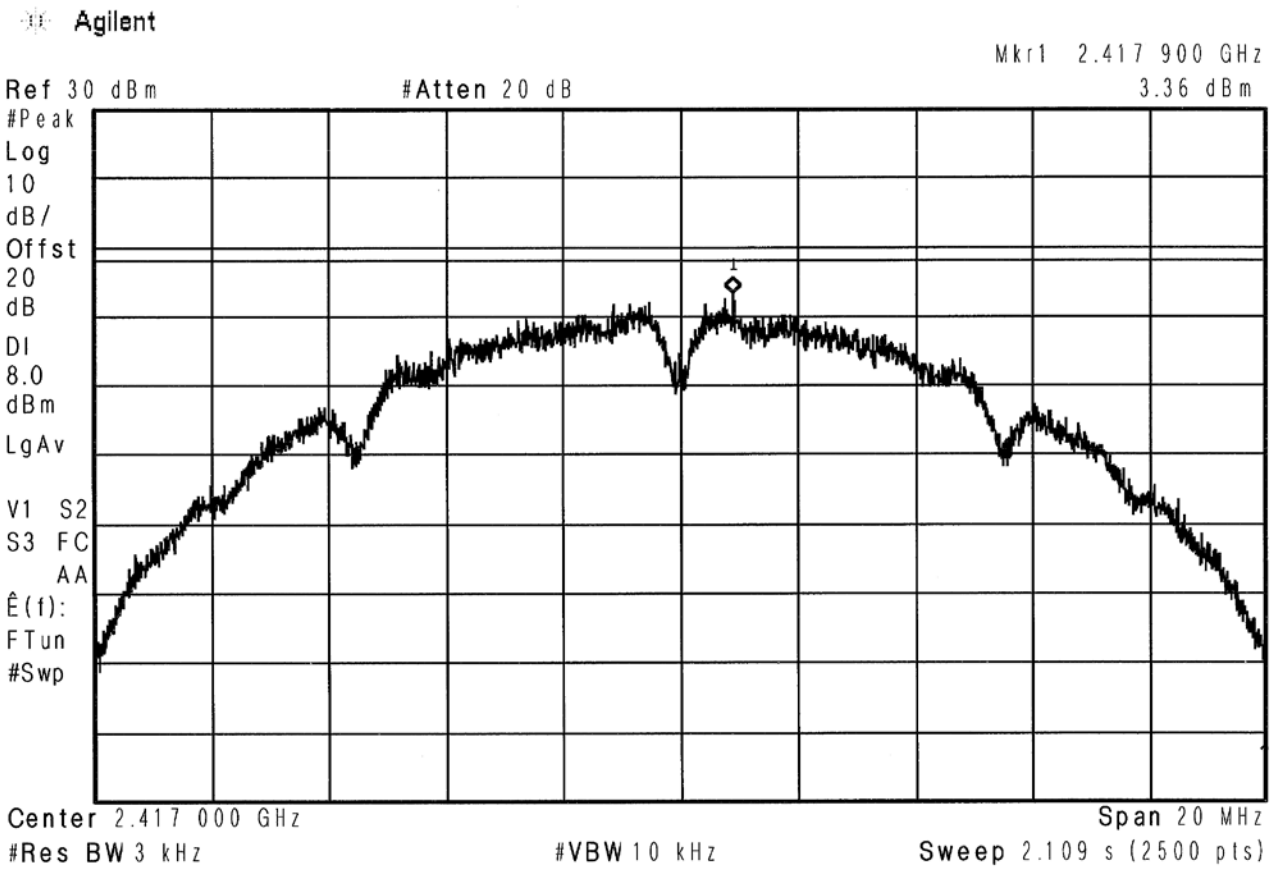
Test Photographs
Antenna Port, Power Density



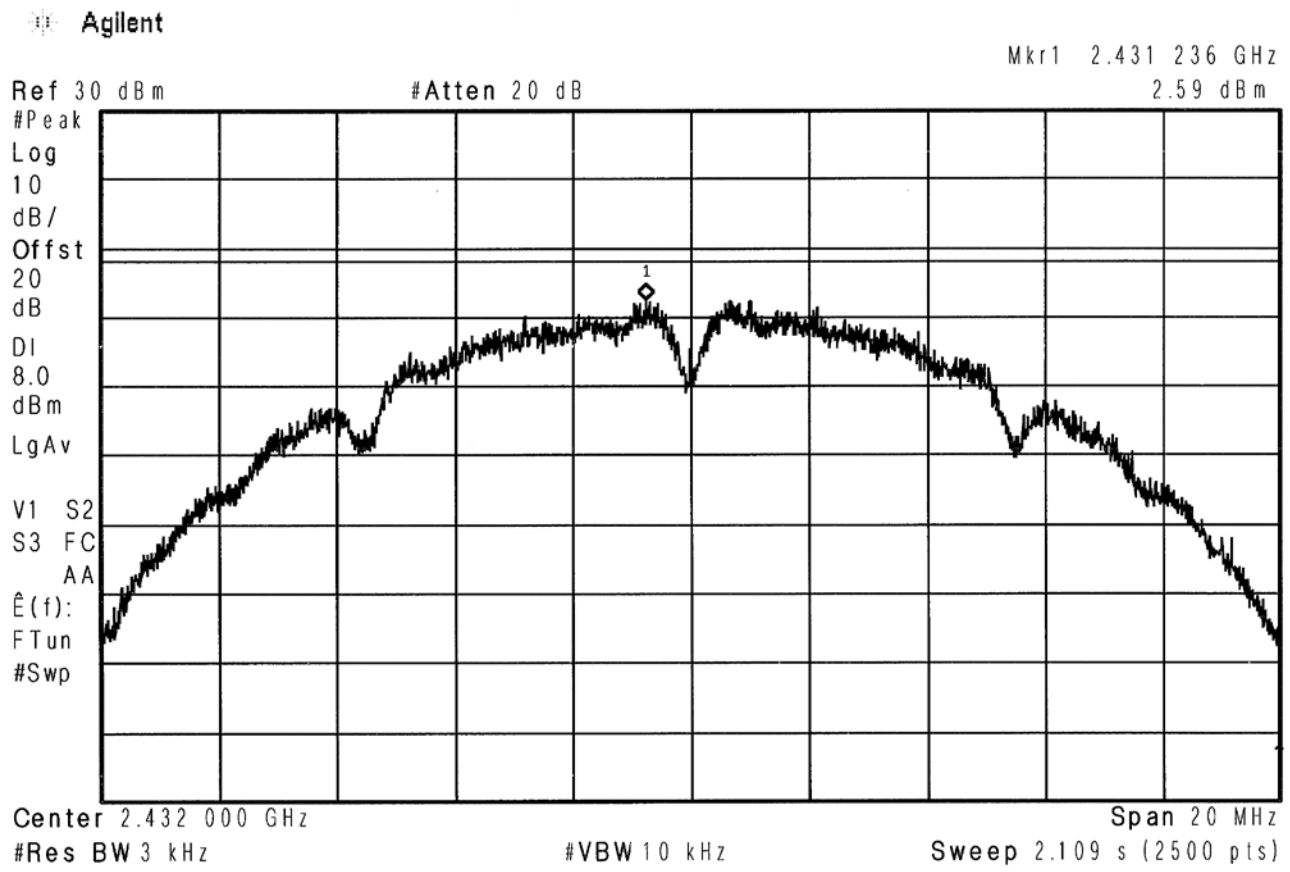
EUT Configuration

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

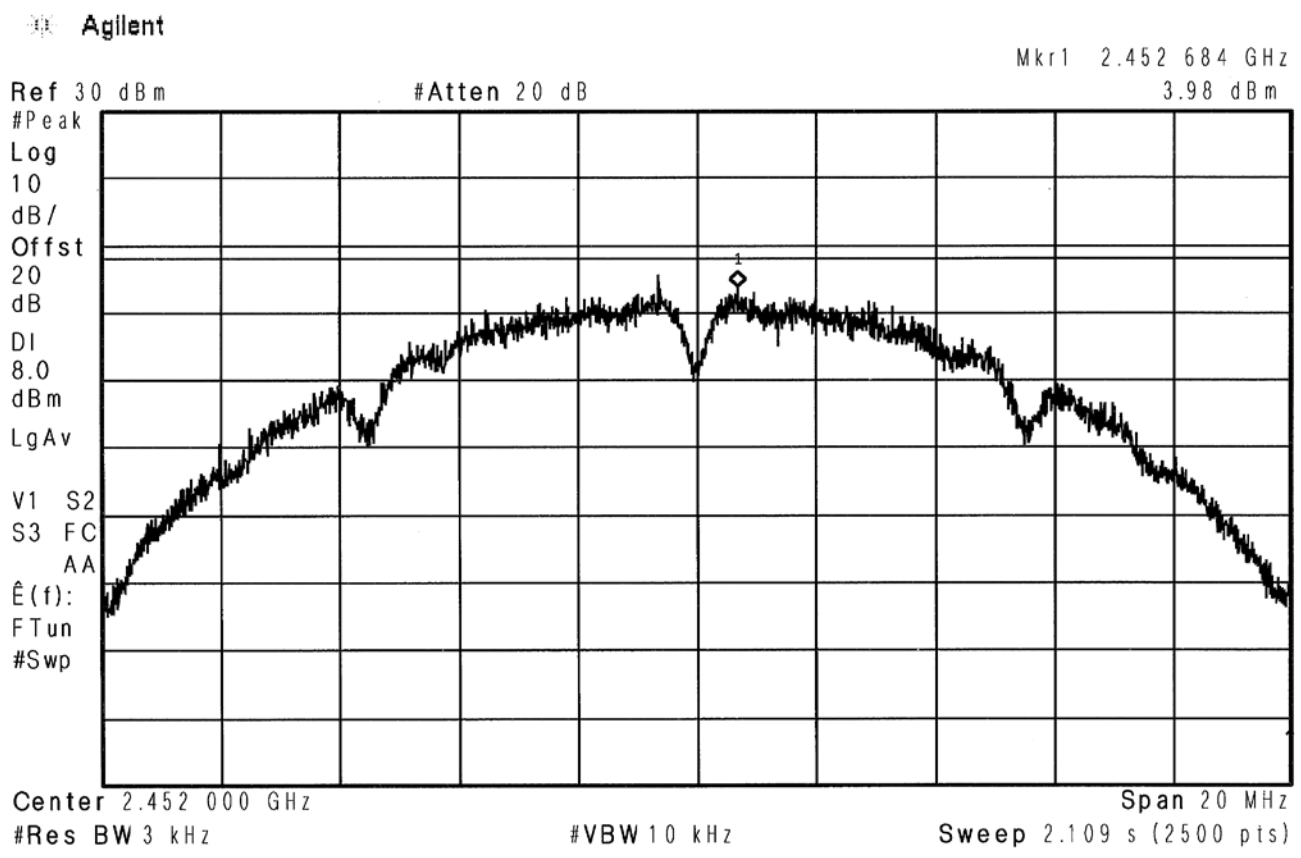
EMISSIONS TEST DATA SHEET	
Method:	**Power Spectral Density**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (e)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11.b) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Power Spectral Density: 3.36 dBm



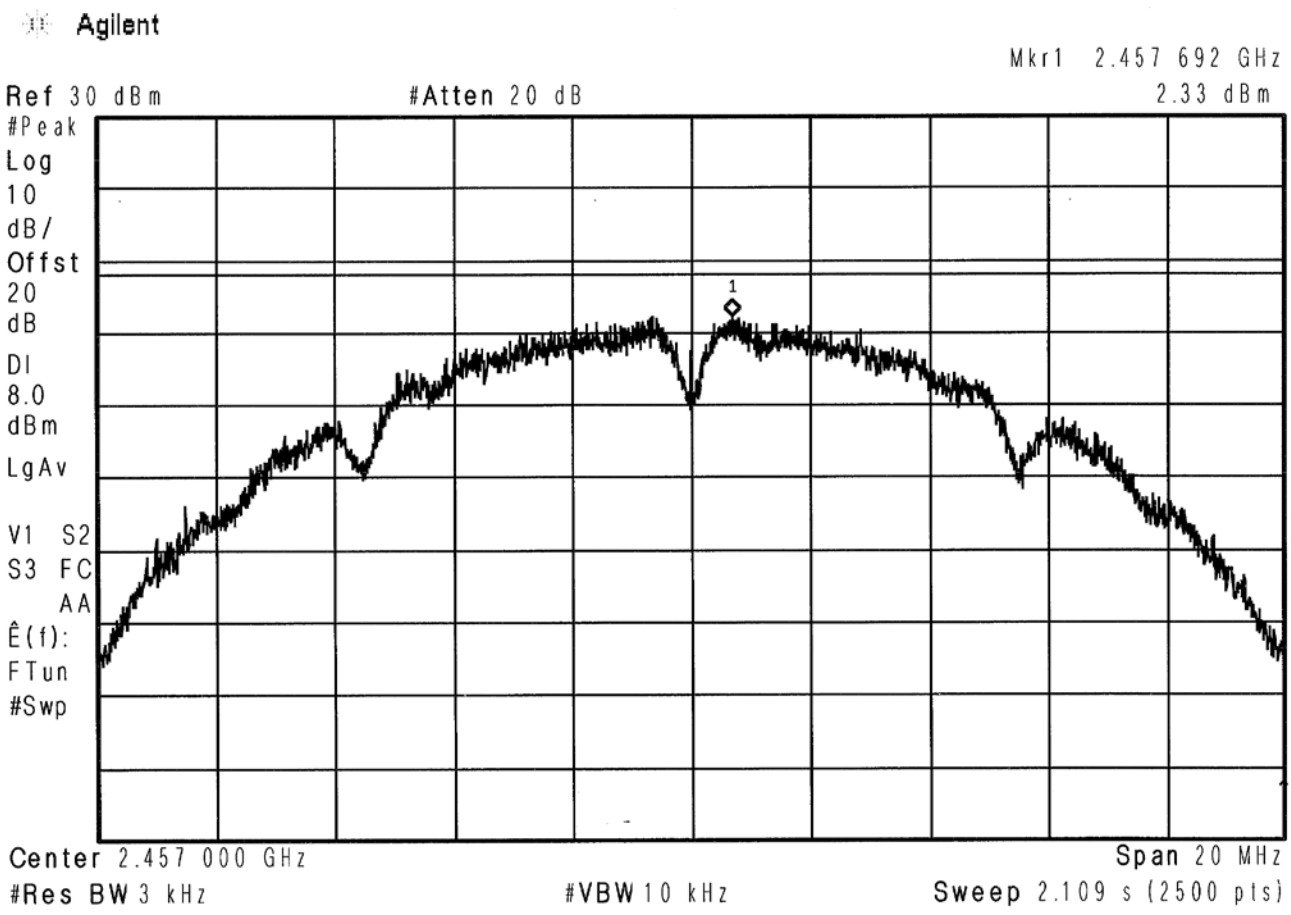
EMISSIONS TEST DATA SHEET	
Method:	**Power Spectral Density**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (e)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11.b) at 2432 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Power Spectral Density: 2.59 dBm



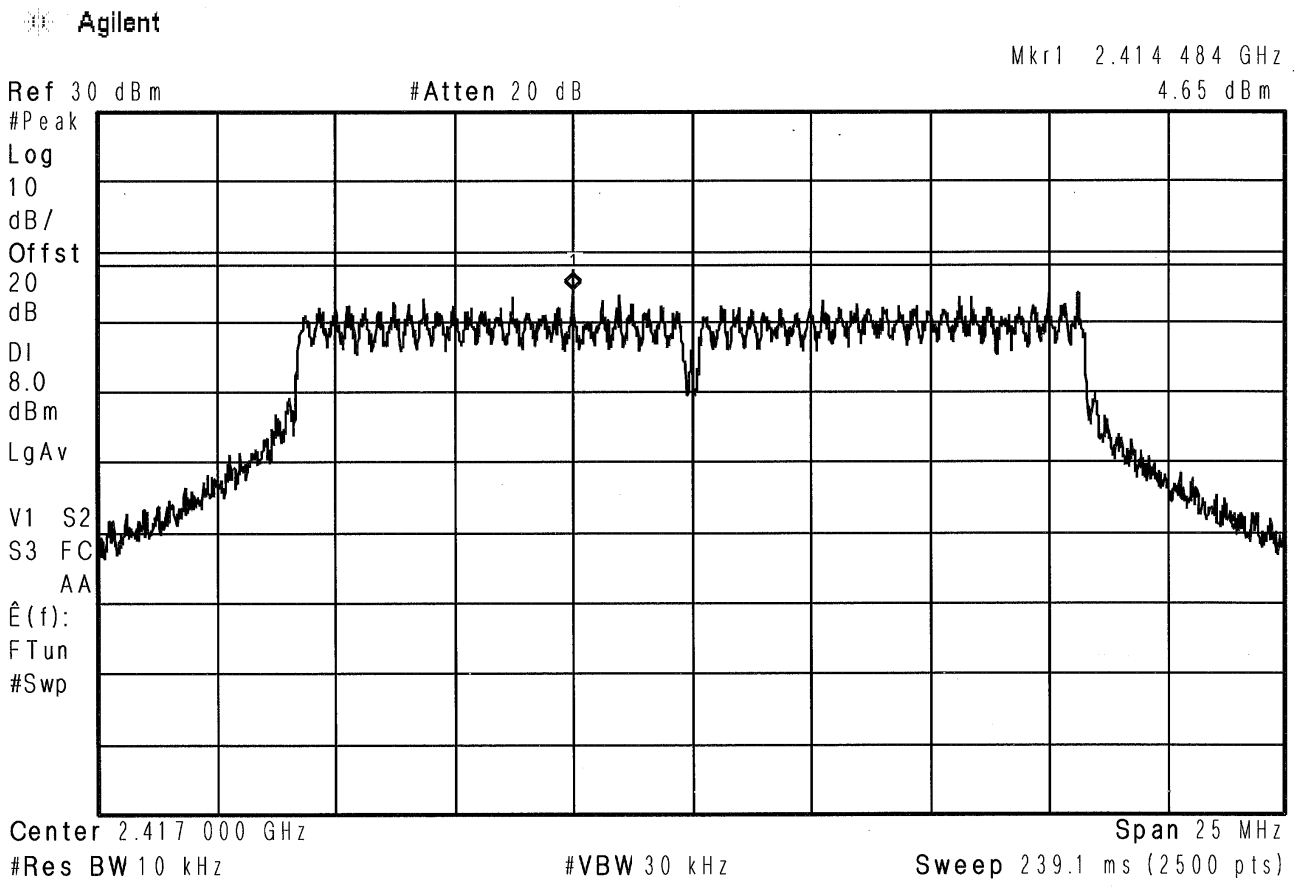
EMISSIONS TEST DATA SHEET	
Method:	**Power Spectral Density**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (e)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11.b) at 2452 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Power Spectral Density: 3.98 dBm



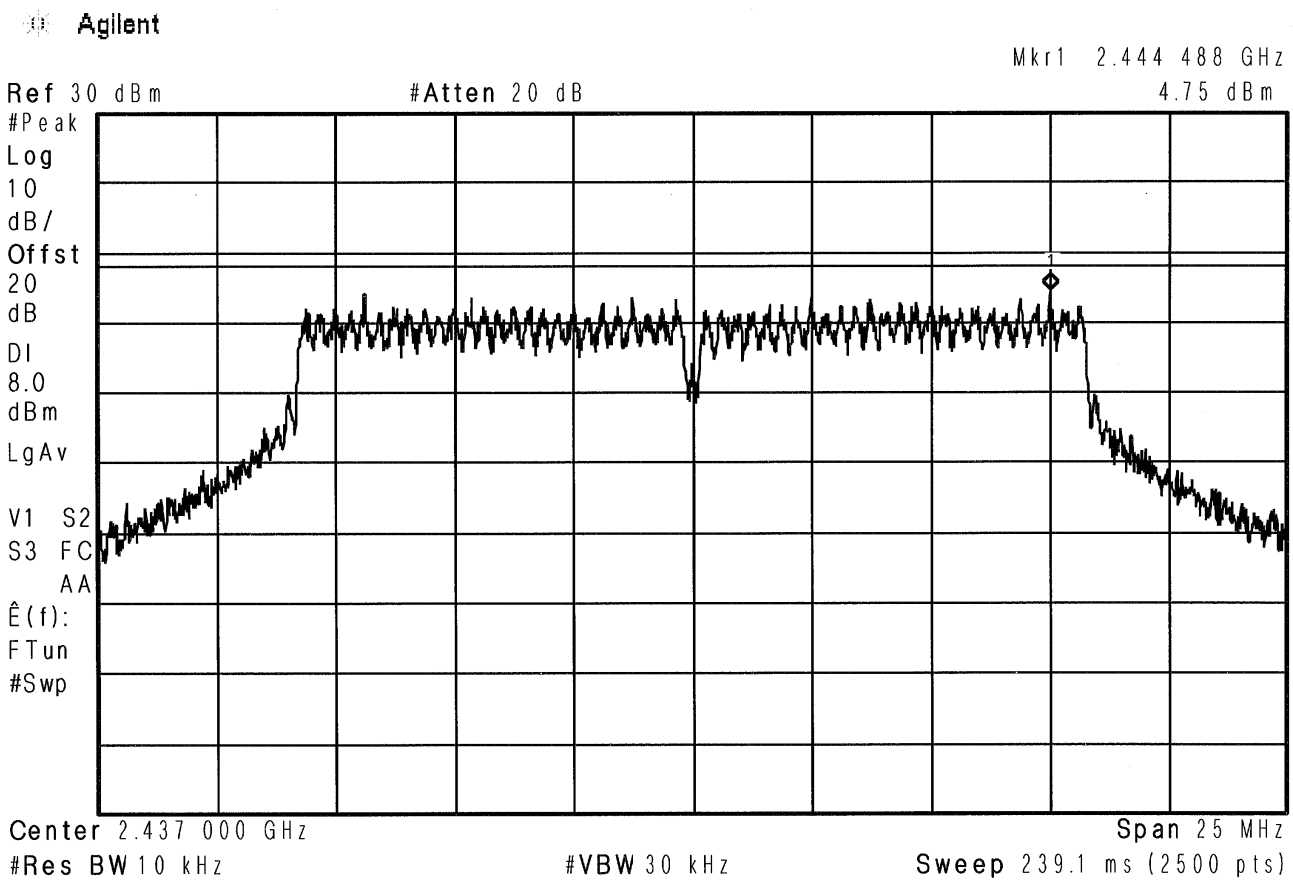
EMISSIONS TEST DATA SHEET	
Method:	**Power Spectral Density**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (e)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11.b) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Power Spectral Density: 2.33 dBm



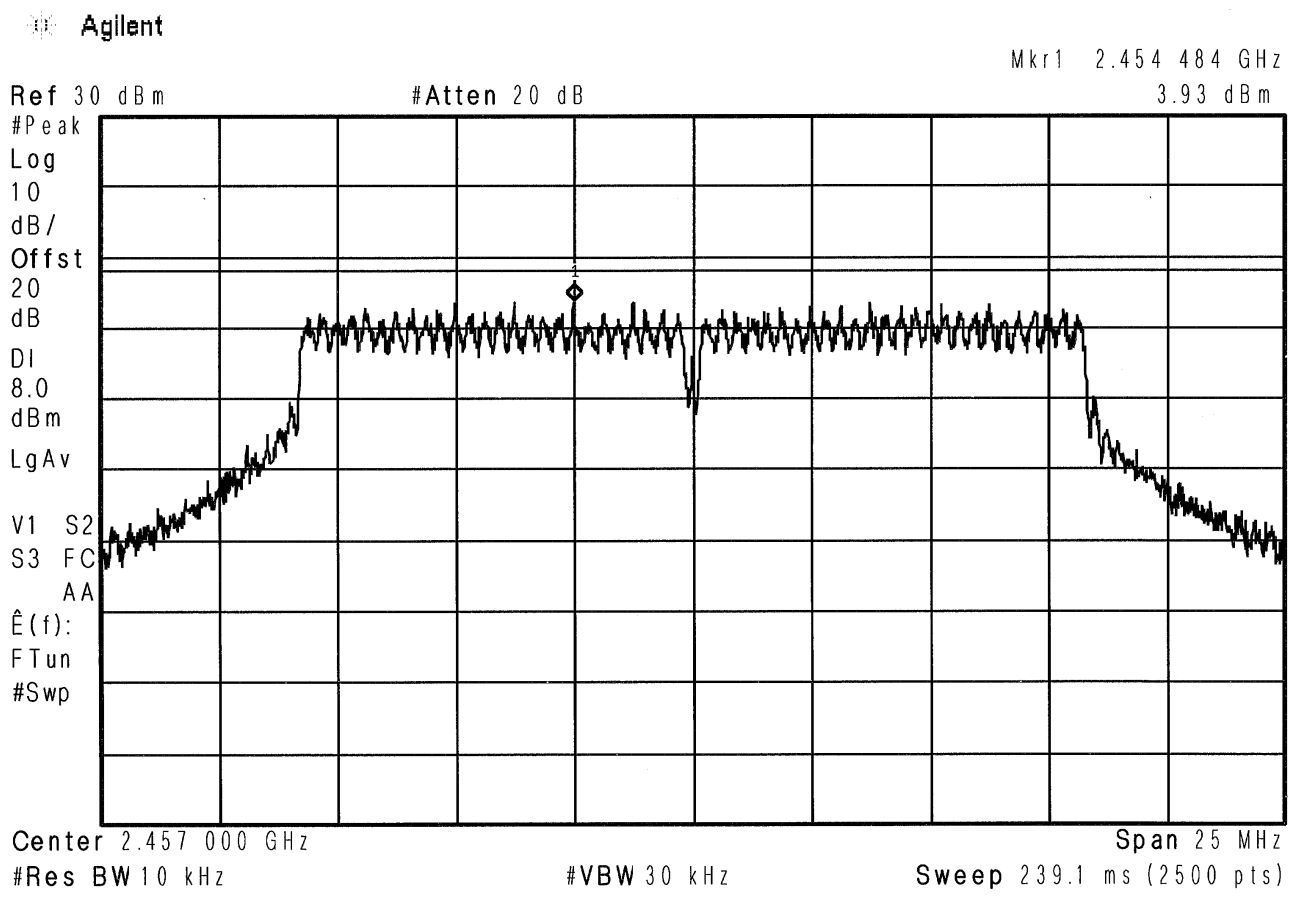
EMISSIONS TEST DATA SHEET	
Method:	**Power Spectral Density**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (e)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11.g) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Power Spectral Density: 4.65 dBm



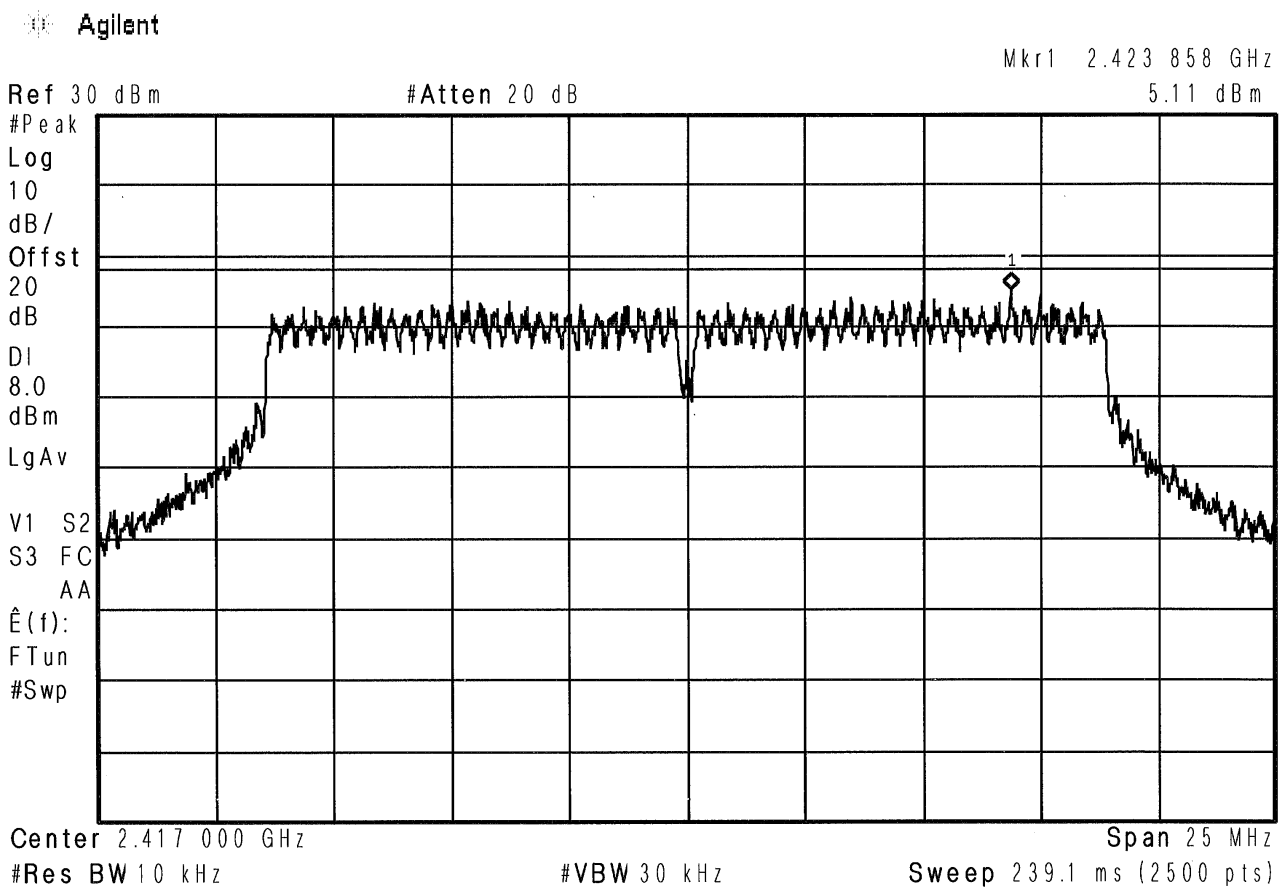
EMISSIONS TEST DATA SHEET	
Method:	**Power Spectral Density**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (e)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11.g) at 2437 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Power Spectral Density: 4.75 dBm



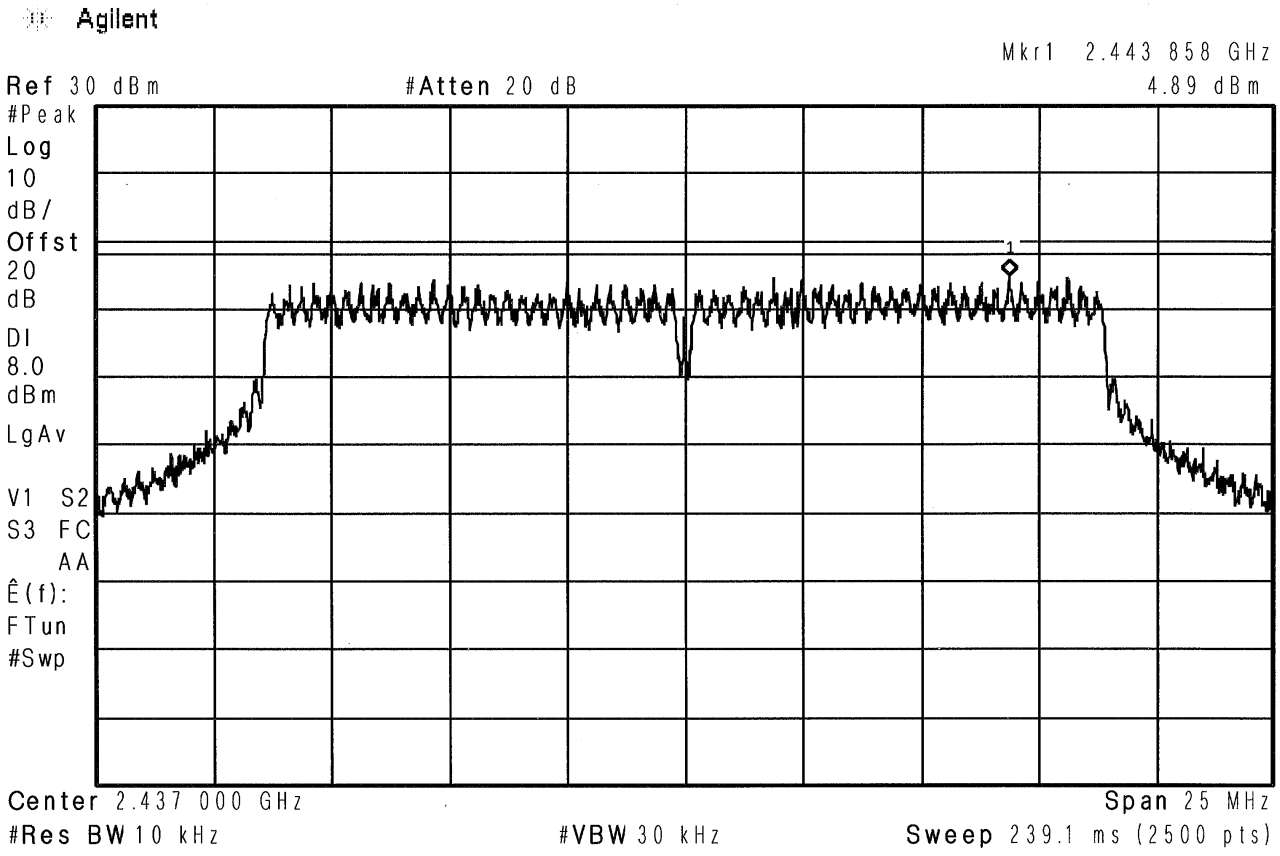
EMISSIONS TEST DATA SHEET	
Method:	**Power Spectral Density**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (e)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11.g) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Power Spectral Density: 3.93 dBm



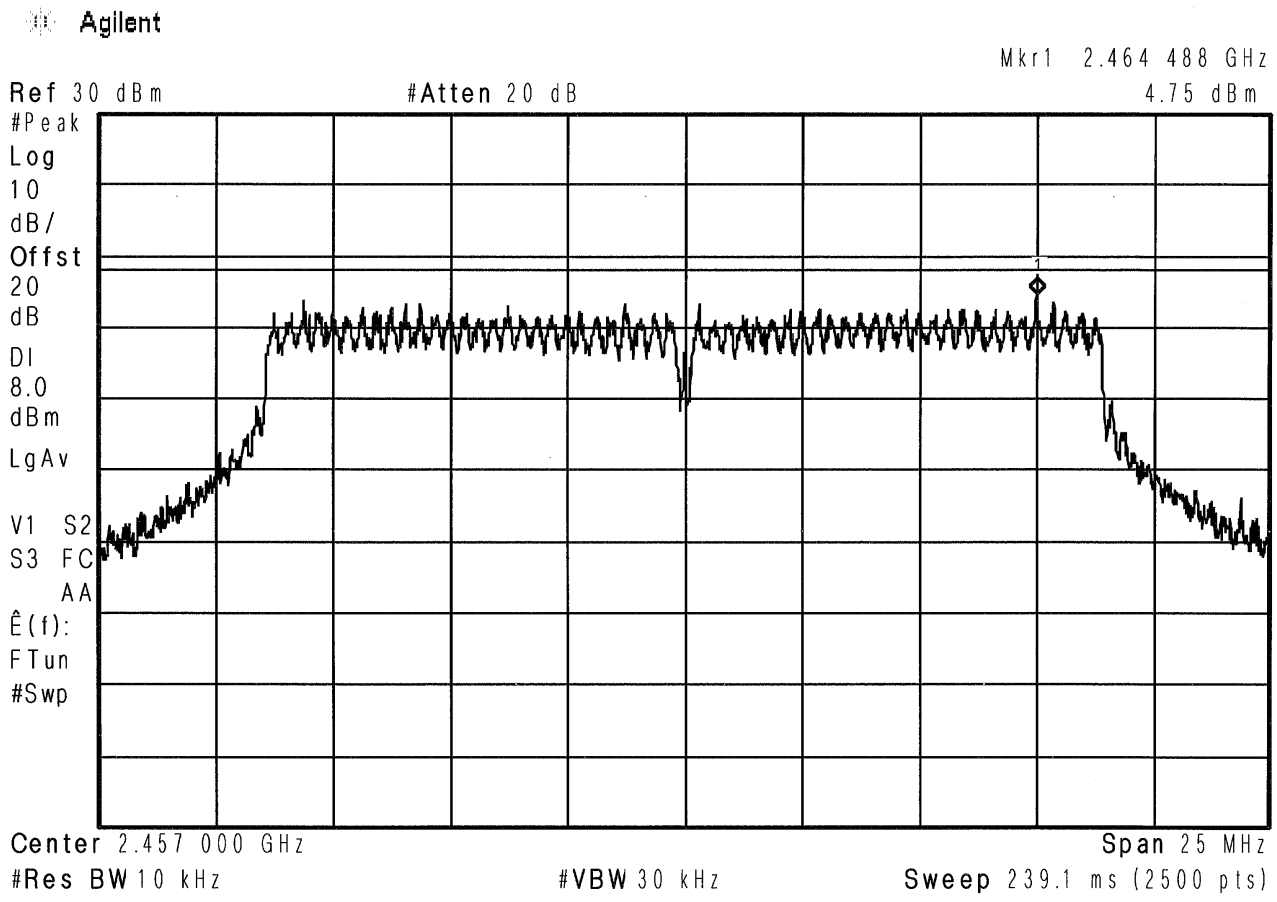
EMISSIONS TEST DATA SHEET	
Method:	**Power Spectral Density**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (e)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11.n) at 2417 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Power Spectral Density: 5.11 dBm



EMISSIONS TEST DATA SHEET	
Method:	**Power Spectral Density**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (e)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11.n) at 2437 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Power Spectral Density: 4.89 dBm

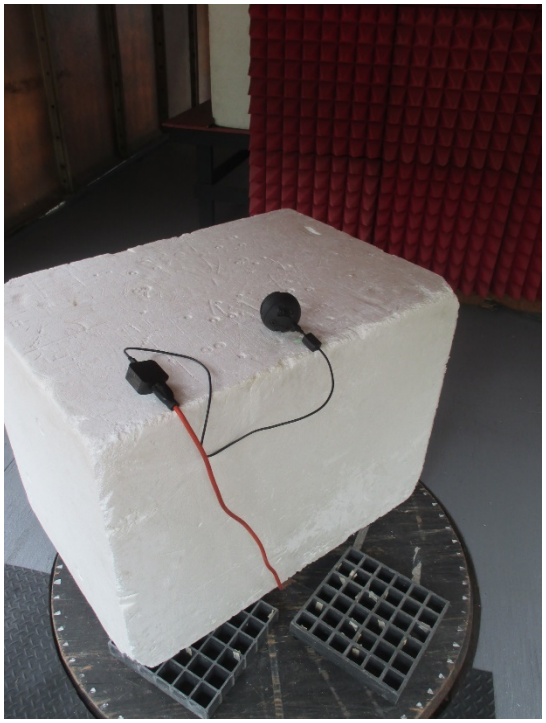


EMISSIONS TEST DATA SHEET	
Method:	**Power Spectral Density**
Test Specification:	FCC Part 15, Subpart C Paragraph: 15.247 (e)
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11.n) at 2457 MHz
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp/ Relative Humidity:	20.2 °C / 30.0 %
Notes:	Power Spectral Density: 4.75 dBm



Test Photographs
Spurious Radiated Emissions, 30 MHz to 25 GHz

Test Photographs
Spurious Radiated Emissions, 30 MHz to 25 GHz



EUT Configuration

Test Photographs
Spurious Radiated Emissions, 30 MHz to 25 GHz

Horizontal Polarization, 30 to 200 MHz

Vertical Polarization, 30 to 200 MHz

Test Photographs
Spurious Radiated Emissions, 30 MHz to 25 GHz

Horizontal Polarization, 200 MHz to 1 GHz

Vertical Polarization, 200 MHz to 1 GHz

Test Photographs
Spurious Radiated Emissions, 30 MHz to 25 GHz

Horizontal Polarization, 1 to 18 GHz

Vertical Polarization, 1 to 18 GHz

Test Photographs
Spurious Radiated Emissions, 30 MHz to 25 GHz

Horizontal Polarization, 18 to 25 GHz

Vertical Polarization, 18 to 25 GHz

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

RETLIF TESTING LABORATORIES

EMISSIONS TEST DATA SHEET

Test Method	**Spurious Emissions 30 MHz to 25 GHz**
Customer	Bounce Imaging
Job Number	R-6673H-2
Test Sample	Recce 360 Mini Tactical Throwable Camera
Model Number	20500-013
Serial Number	S25RM
Test Specification	FCC Part 15.247(d)
Operating Mode	Charging Batteries, connected to phone via WiFi, streaming video
Technician	M. Seamans
Date	May 27th and June 3rd 2022

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

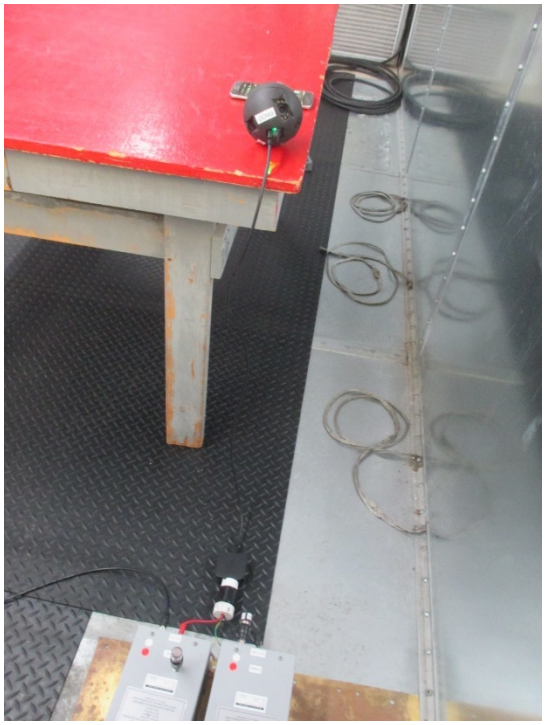
TEST PARAMETERS

Test Frequency	Antenna Position	Turntable	Meter Reading	Correction Factor	Corrected Reading		Converted Reading	Limit at 3M
MHz	**(H/V) - Height**	**Position**	**dBuV**	**dB**	**dBuV/m**		**uV/m**	**uV/m**
30.00	-	-	-	-	-		-	100.00
|	-	-	-	-	-		-	|
88.00	-	-	-	-	-		-	100.00
88.00	-	-	-	-	-		-	150.00
|	-	-	-	-	-		-	|
127.00	V-1m	315.0	22.24	14.66	36.90		69.98	|
133.75	V-1m	315.0	23.53	14.57	38.10		80.35	|
135.35	V-1m	315.0	26.63	14.57	41.20		114.82	|
155.45	V-1m	315.0	23.07	16.53	39.60		95.50	|
168.85	H-1m	315.0	19.80	18.50	38.30		82.22	|
172.20	H-1m	315.0	21.93	18.87	40.80		109.65	|
173.81	H-1m	315.0	20.97	19.03	40.00		100.00	|
177.25	H-1m	315.0	22.54	19.36	41.90		124.45	|
|	-	-	-	-	-		-	|
216.00	-	-	-	-	-		-	150.00
216.00	-	-	-	-	-		-	200.00
|	-	-	-	-	-		-	|
423.24	H-1m	315.0	19.99	19.51	39.50		94.41	|
424.51	V-2m	135.0	20.17	19.53	39.70		96.61	|
|	-	-	-	-	-		-	|
960.00	-	-	-	-	-		-	200.00
960.00	-	-	-	-	-		-	500.00
|	-	-	-	-	-		-	|
25000.00	-	-	-	-	-		-	500.00

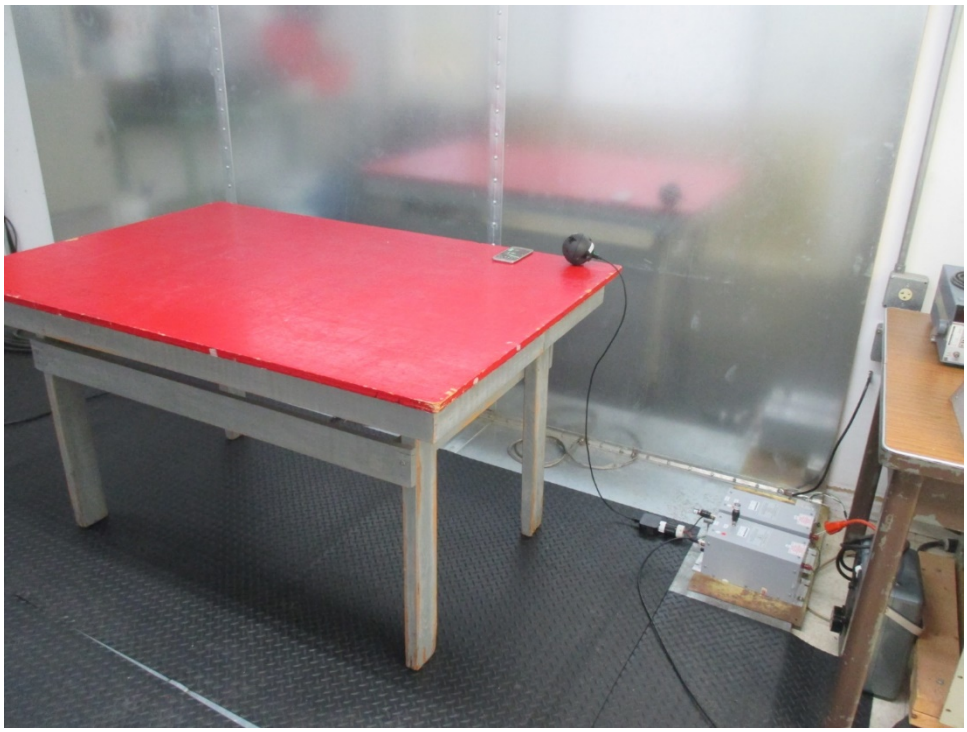
EUT emissions observed throughout the given frequency spectrum were recorded and evaluated. Emission levels closest to the limit are listed on this data sheet.

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

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



EUT Configuration



Test Setup

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

EMISSIONS TEST DATA SHEET

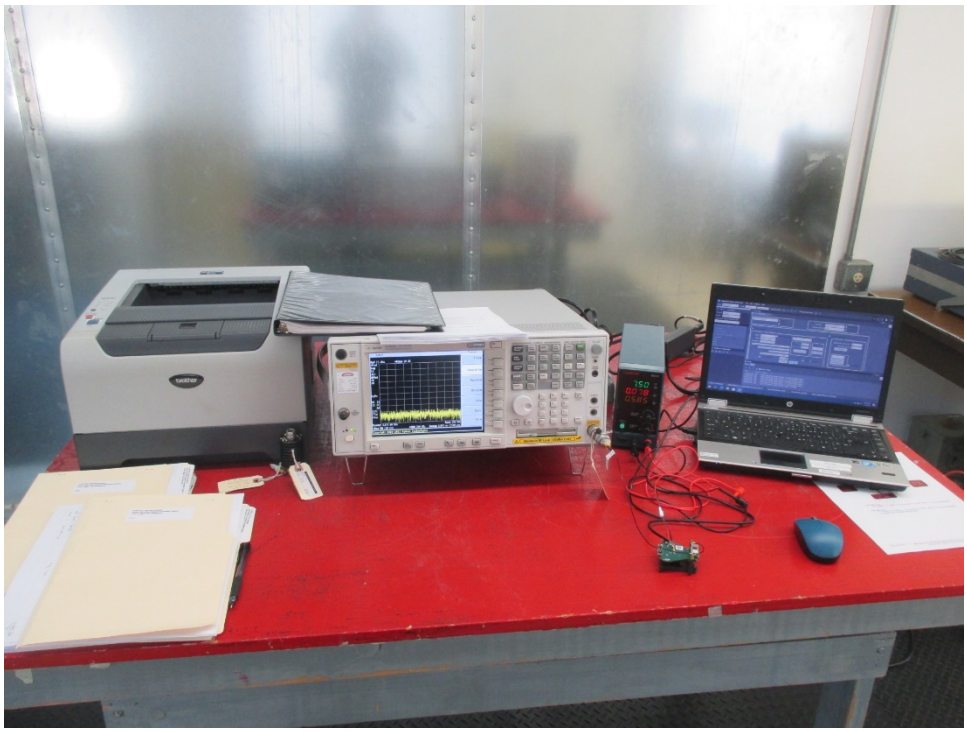
Test Specification:	FCC Part 15, Subpart B, Section 15.207(a), Conducted Emissions
Method:	ANSI C63.4, Section 7., AC powerline conducted emission measurements
Job Number/Customer:	R-6673H-2 / Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	S25RM
Operating Mode:	Charging Batteries, connected to phone via WiFi, streaming video
Technician:	M. Seamans
Date(s):	March 24th, 2022
Temp/ Relative Humidity:	20.2 °C / 29.0 %
Port 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**
0.150	Hot	53.34	48.50	29.90	66.00	56.00
0.150	Neutral	51.09	47.30	29.40	66.00	56.00
0.178	Hot	50.17	43.00	25.20	64.58	54.58
0.174	Neutral	49.41	43.30	26.40	64.77	54.77
0.409	Hot	51.67	41.70	16.50	57.67	47.67
0.414	Neutral	52.09	41.60	16.50	57.57	47.57
0.510	Hot	46.15	36.60	18.90	56.00	46.00
0.534	Neutral	48.84	36.60	12.40	56.00	46.00
0.680	Hot	35.68	26.50	10.90	56.00	46.00
0.697	Neutral	34.00	16.50	8.50	56.00	46.00
0.849	Hot	33.86	22.50	14.00	56.00	46.00
0.853	Neutral	34.27	22.50	15.10	56.00	46.00

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.

Test Photographs
Duty Cycle

Test Photographs
Duty Cycle



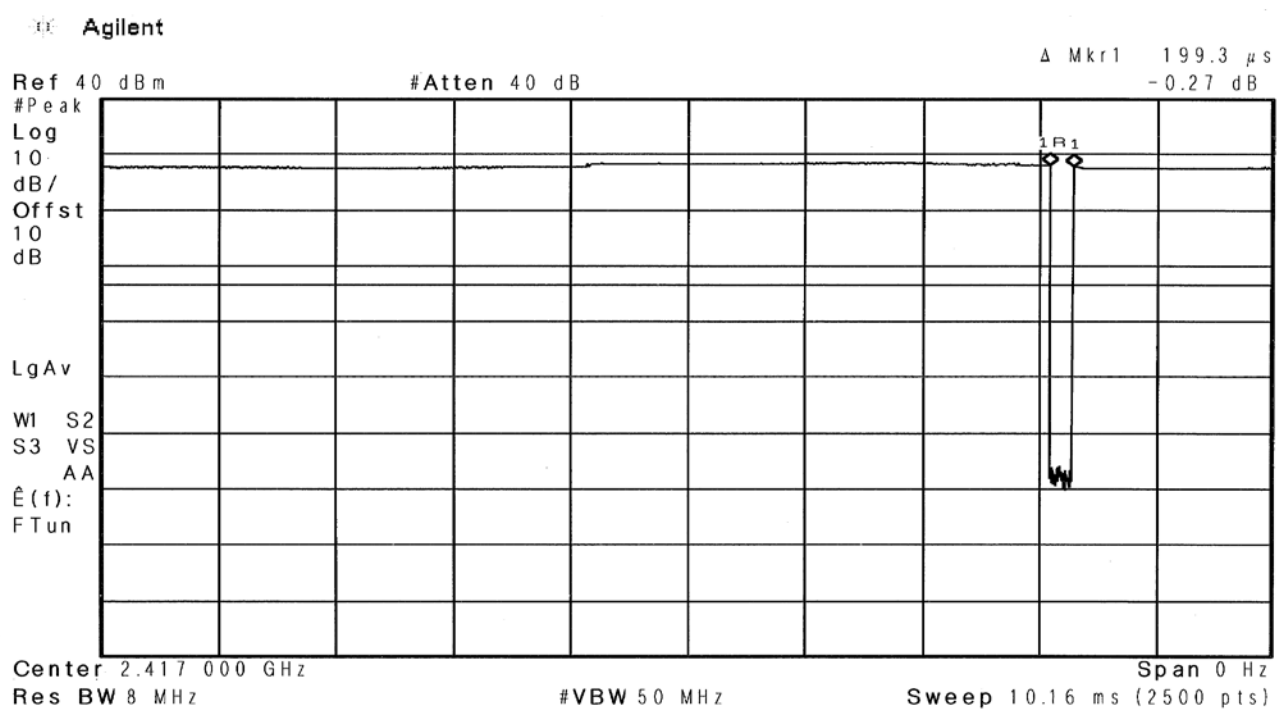
Test Setup

FCC 15.247 / RSS-247, ANSI C63.10
Duty Cycle
Test Data

EMISSIONS TEST DATA SHEET	
Method:	**Duty Cycle**
Test Specification:	**FCC 15.247, ANSI C63.10**
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11b)
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp / Relative Humidity:	20.2 °C / 30.0 %

TEST PARAMETERS

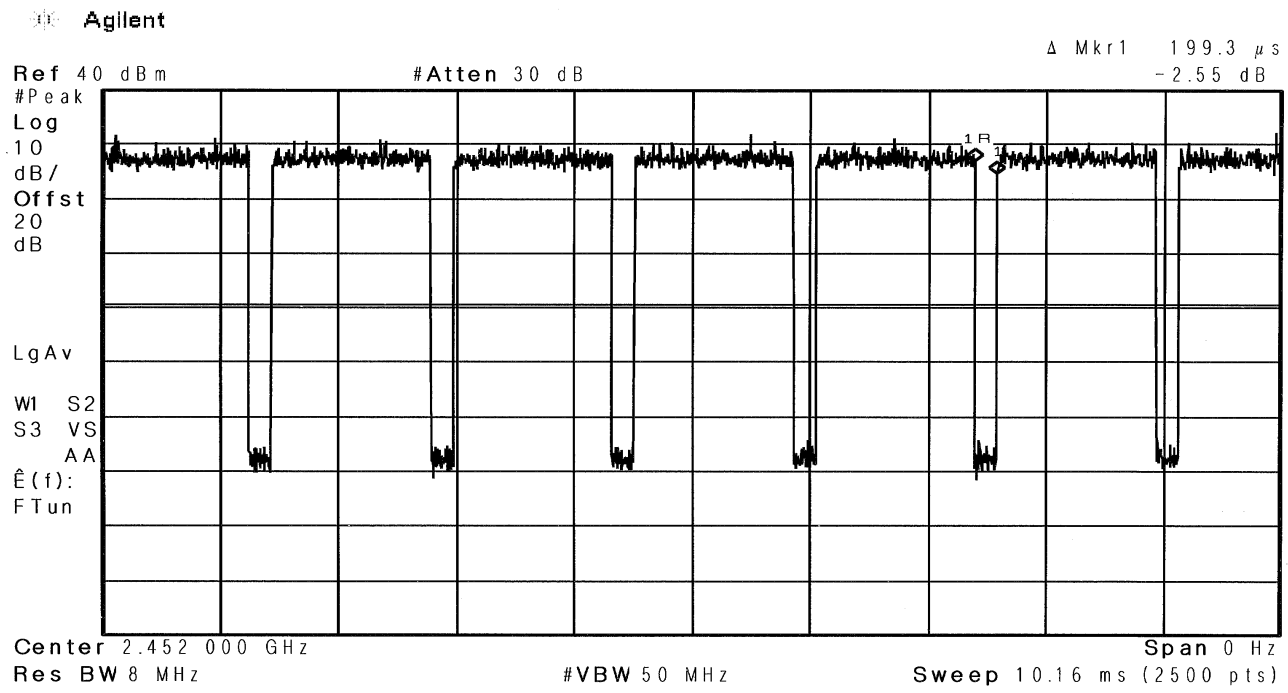
Channel	Measured on time	Measured time interval	Duty Cycle Calculation	Result
#	msec	msec		
1	9.9607	10.16	= (9.9607ms/ 10 ms)*100	99.61 %
Worst case Duty Cycle: >98% Duty Cycle, and <2% variations in multiple transmissions.				



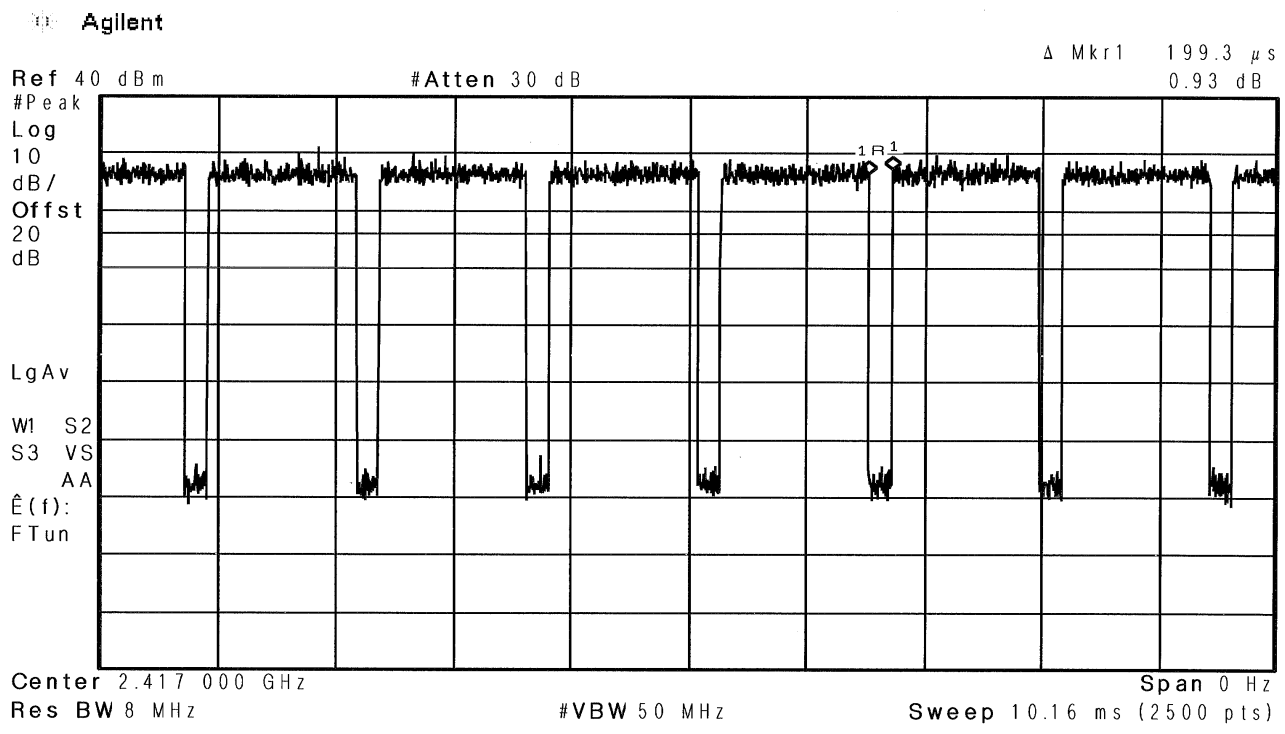
EMISSIONS TEST DATA SHEET	
Method:	**Duty Cycle**
Test Specification:	**FCC 15.247, ANSI C63.10**
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11g)
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp / Relative Humidity:	20.2 °C / 30.0 %

TEST PARAMETERS

Channel	Measured on time	Measured time interval	Duty Cycle Calculation	Result
#	msec	msec		
1	8.9642	10	= (8.9642ms/ 10 ms)*100	89.64 %
Worst case Duty Cycle: <98% Duty Cycle, and >2% variations in multiple transmissions.				



EMISSIONS TEST DATA SHEET	
Method:	**Duty Cycle**
Test Specification:	**FCC 15.247, ANSI C63.10**
Job Number:	R-6673H-2
Customer:	Bounce Imaging
Test Sample:	Recce 360 Mini Tactical Throwable Camera
Model Number:	20500-013
Serial Number:	0252598
Operating Mode:	Transmitting modulated signal (802.11n)
Technician:	M. Seamans
Date(s):	March 17th-18th, 2022
Temp / Relative Humidity:	20.2 °C / 30.0 %

TEST PARAMETERS

Channel	Measured on time	Measured time interval	Duty Cycle Calculation	Result
#	msec	msec		
1	8.7649	10	= (8.7649ms/ 10 ms)*100	87.65 %
Worst case Duty Cycle: <98% Duty Cycle, and >2% variations in multiple transmissions.