

# NORTHWEST EMC

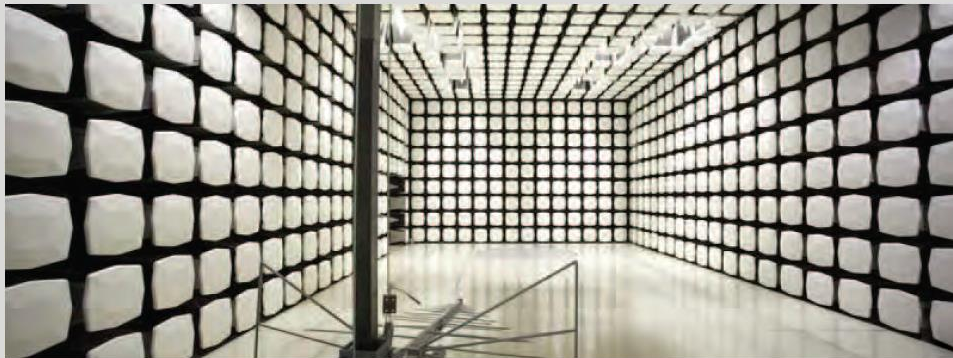
## FUJIFILM Sonosite Manufacturing, LLC

iViz

FCC 15.247:2015

BT DTS

Report # SONO0377.7 Rev 01



NVLAP Lab Code: 200676-0

*This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America. This Report may only be duplicated in its entirety*

# CERTIFICATE OF TEST

Last Date of Test: August 21, 2015  
FUJIFILM Sonosite Manufacturing, LLC  
Model: iViz

## Radio Equipment Testing

### Standards

Specification	Method
FCC 15.247:2015	ANSI C63.10:2013

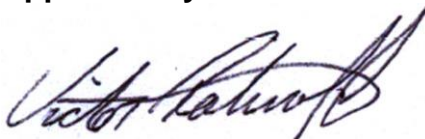
### Results

Method Clause	Test Description	Applied	Results	Comments
6.2	Powerline Conducted Emissions	No	N/A	Not required for permissive change.
6.5, 6.6	Spurious Radiated Emissions	Yes	Pass	
6.7	Band Edge Compliance	No	N/A	Not required for permissive change.
6.7	Spurious Conducted Emissions	No	N/A	Not required for permissive change.
6.9.1	Occupied Bandwidth	No	N/A	Not required for permissive change.
6.10.2	Output Power	No	N/A	Not required for permissive change.
6.11.2	Power Spectral Density	No	N/A	Not required for permissive change.
7.5	Duty Cycle	No	N/A	Not required for permissive change.

### Deviations From Test Standards

None

### Approved By:



Victor Ratinoff, Operations Manager

*Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information.*

# REVISION HISTORY

Revision Number	Description	Date	Page Number
01	Corrected serial number of EUT	9/25/15	8, 11, 13

# ACCREDITATIONS AND AUTHORIZATIONS

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## United States

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**FCC** - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

**A2LA** - Accredited by A2LA to ISO / IEC 17065 as a product certifier. This allows Northwest EMC to certify transmitters to FCC and IC specifications.

**NVLAP** - Each laboratory is accredited by NVLAP to ISO 17025

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## Canada

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**IC** - Recognized by Industry Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with IC.

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## European Union

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**European Commission** – Validated by the European Commission as a Conformity Assessment Body (CAB) under the EMC directive and as a Notified Body under the R&TTE Directive.

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## Australia/New Zealand

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**ACMA** - Recognized by ACMA as a CAB for the acceptance of test data.

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## Korea

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**MSIP / RRA** - Recognized by KCC's RRA as a CAB for the acceptance of test data.

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## Japan

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**VCCI** - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

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## Taiwan

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**BSMI** – Recognized by BSMI as a CAB for the acceptance of test data.

**NCC** - Recognized by NCC as a CAB for the acceptance of test data.

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## Singapore

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**IDA** – Recognized by IDA as a CAB for the acceptance of test data.

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## Israel

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**MOC** – Recognized by MOC as a CAB for the acceptance of test data.

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## Hong Kong

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**OFCA** – Recognized by OFCA as a CAB for the acceptance of test data.

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## Vietnam

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**MIC** – Recognized by MIC as a CAB for the acceptance of test data.

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## SCOPE

For details on the Scopes of our Accreditations, please visit:

<http://www.nwemc.com/accreditations/>

<http://gsi.nist.gov/global/docs/cabs/designations.html>

# MEASUREMENT UNCERTAINTY

## Measurement Uncertainty

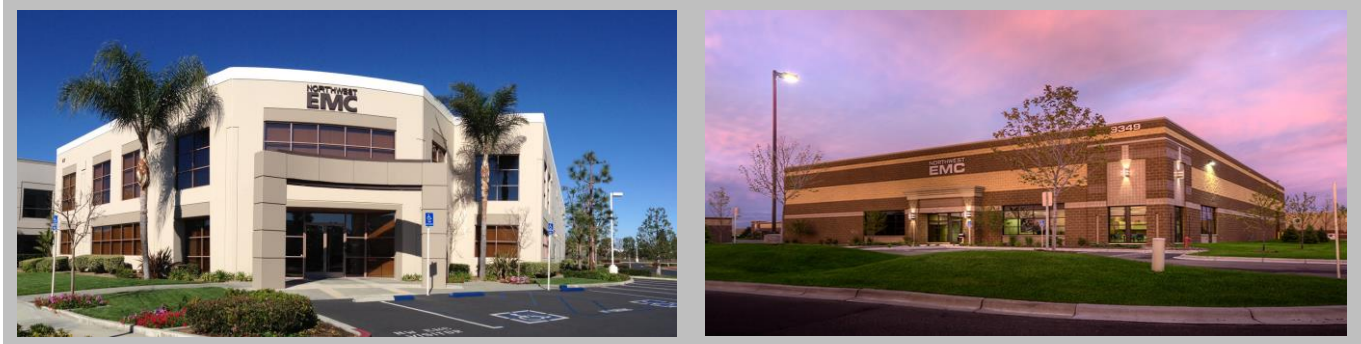
When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) for each test is on each data sheet. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable), and are available upon request.

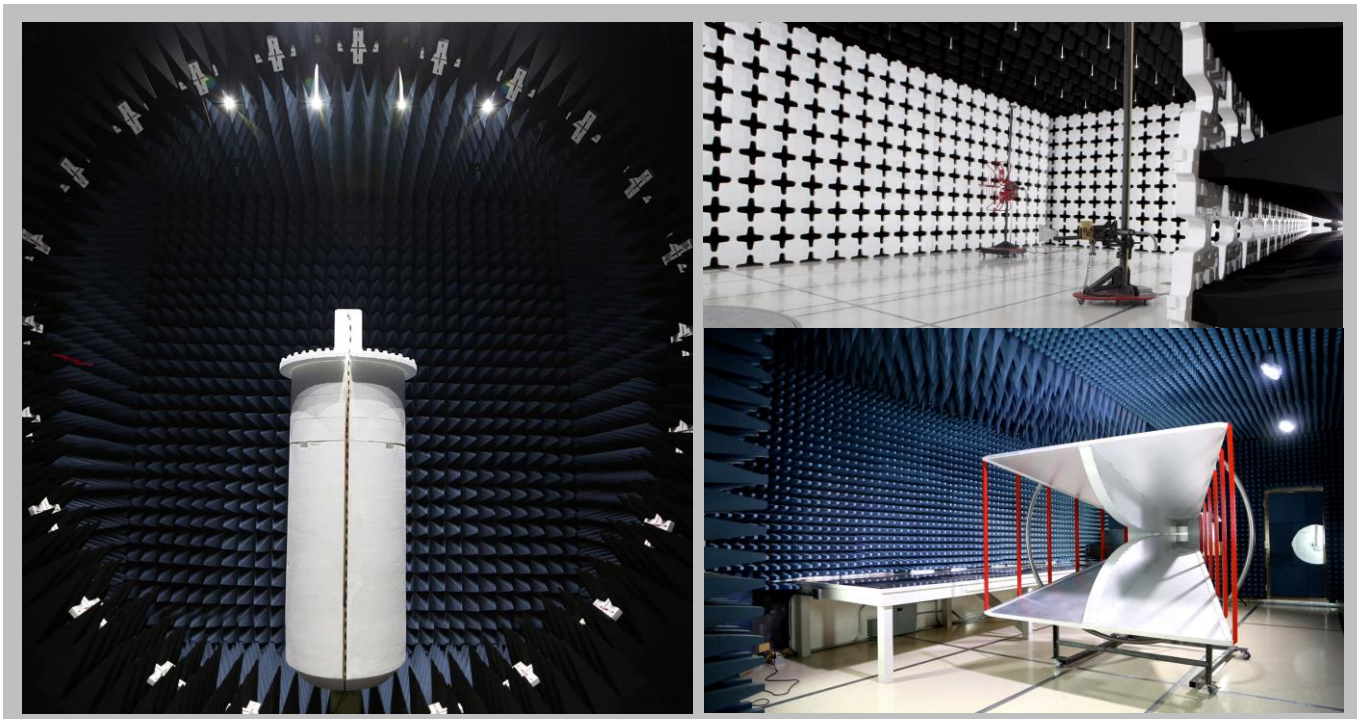
The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

<b>Test</b>	<b>+ MU</b>	<b>- MU</b>
Frequency Accuracy (Hz)	0.0007%	-0.0007%
Amplitude Accuracy (dB)	1.2 dB	-1.2 dB
Conducted Power (dB)	0.3 dB	-0.3 dB
Radiated Power via Substitution (dB)	0.7 dB	-0.7 dB
Temperature (degrees C)	0.7°C	-0.7°C
Humidity (% RH)	2.5% RH	-2.5% RH
Voltage (AC)	1.0%	-1.0%
Voltage (DC)	0.7%	-0.7%
Field Strength (dB)	5.2 dB	-5.2 dB
AC Powerline Conducted Emissions (dB)	2.4 dB	-2.4 dB

# FACILITIES



<b>California</b> Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	<b>Minnesota</b> Labs MN01-08, MN10 9349 W Broadway Ave. Brooklyn Park, MN 55445 (612)-638-5136	<b>New York</b> Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 554-8214	<b>Oregon</b> Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	<b>Texas</b> Labs TX01-09 3801 E Plano Pkwy Plano, TX 75074 (469) 304-5255	<b>Washington</b> Labs NC01-05 19201 120 <sup>th</sup> Ave NE Bothell, WA 9801 (425)984-6600
<b>NVLAP</b>					
NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200761-0	NVLAP Lab Code: 200630-0	NVLAP Lab Code:201049-0	NVLAP Lab Code: 200629-0
<b>Industry Canada</b>					
2834B-1, 2834B-3	2834E-1	N/A	2834D-1, 2834D-2	2834G-1	2834F-1
<b>BSMI</b>					
SL2-IN-E-1154R	SL2-IN-E-1152R	N/A	SL2-IN-E-1017	SL2-IN-E-1158R	SL2-IN-E-1153R
<b>VCCI</b>					
A-0029	A-0109	N/A	A-0108	A-0201	A-0110
<b>Recognized Phase I CAB for ACMA, BSMI, IDA, KCC/RRA, MIC, MOC, NCC, OFCA</b>					
US0158	US0175	N/A	US0017	US0191	US0157



# PRODUCT DESCRIPTION

## Client and Equipment Under Test (EUT) Information

<b>Company Name:</b>	FUJIFILM Sonosite Manufacturing, LLC
<b>Address:</b>	21919 30th Drive SE
<b>City, State, Zip:</b>	Bothell, WA 98021
<b>Test Requested By:</b>	Niko Pagoulatos
<b>Model:</b>	IViz
<b>First Date of Test:</b>	August 21, 2015
<b>Last Date of Test:</b>	August 21, 2015
<b>Receipt Date of Samples:</b>	August 05, 2015
<b>Equipment Design Stage:</b>	Production
<b>Equipment Condition:</b>	No Damage

## Information Provided by the Party Requesting the Test

### Functional Description of the EUT:

EUT is a tablet ultrasound device that is fully portable. It is battery operated only and has a Wi-Fi and Bluetooth radio built in.

### Testing Objective:

Provide the testing required to demonstrate continued compliance with the new antenna, not included in the original filing. Since it was only the antenna that was changed, only the radiated spurious emissions were tested.

# CONFIGURATIONS

## Configuration SONO0377- 1

Software/Firmware Running during test	
Description	Version
iViz software	05.80.100.020

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Media Player	FUJIFILM Sonosite Manufacturing, LLC	iViz	Q402KJ

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Laptop	Fujitsu	Lifebook E752	R4200141
Laptop Power Supply	Fujitsu	CP531930-01	13Z01944C

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
USB Cable	No	1.8m	No	Media Player	Laptop
Sensor Cable	Yes	1.4m	No	Media Player	Unterminated
AC Cable	No	2.0m	No	Laptop Power Supply	AC Mains
DC Cable	No	1.8m	No	Laptop Power Supply	Laptop



# MODIFICATIONS

## Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	8/21/2015	Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

## MODES OF OPERATION

Continuous transmit BLE: Low Channel (2402 MHz), Mid Channel (2442 MHz), and High Ch (2480 MHz)  
 Continuous transmit BLE: Low Channel (2402 MHz) and High Ch (2480 MHz)

## POWER SETTINGS INVESTIGATED

Battery

## CONFIGURATIONS INVESTIGATED

SONO0377 - 1

## FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	26000 MHz
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## SAMPLE CALCULATIONS


Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

## TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Filter - Low Pass	Micro-Tronics	LPM50004	LFC	11/14/2014	12 mo
Attenuator	Coaxicom	66702 3910AF-20	TKI	3/4/2015	12 mo
Filter - High Pass	Micro-Tronics	HPM50111	HFM	2/9/2015	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AOF	9/11/2014	12 mo
Antenna - Standard Gain	ETS Lindgren	3160-08	AHT	NCR	0 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AOE	9/11/2014	12 mo
Antenna - Standard Gain	ETS Lindgren	3160-07	AHR	NCR	0 mo
Cable	Northwest EMC	8-18GHz RE Cables	OCO	9/11/2014	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-4D-010120-30-10P-1	AOP	3/2/2015	12 mo
Antenna - Double Ridge	EMCO	3115	AHB	3/10/2014	24 mo
Cable	Northwest EMC	1-8GHz RE Cables	OCJ	3/2/2015	12 mo
Cable	Northwest EMC	10kHz-1GHz RE Cables	OCH	3/4/2015	12 mo
Amplifier - Pre-Amplifier	Miteq	AM-1064-9079	AOO	3/5/2015	12 mo
Antenna - Biconilog	EMCO	3142B	AXK	10/6/2014	24 mo
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFJ	10/1/2014	12 mo

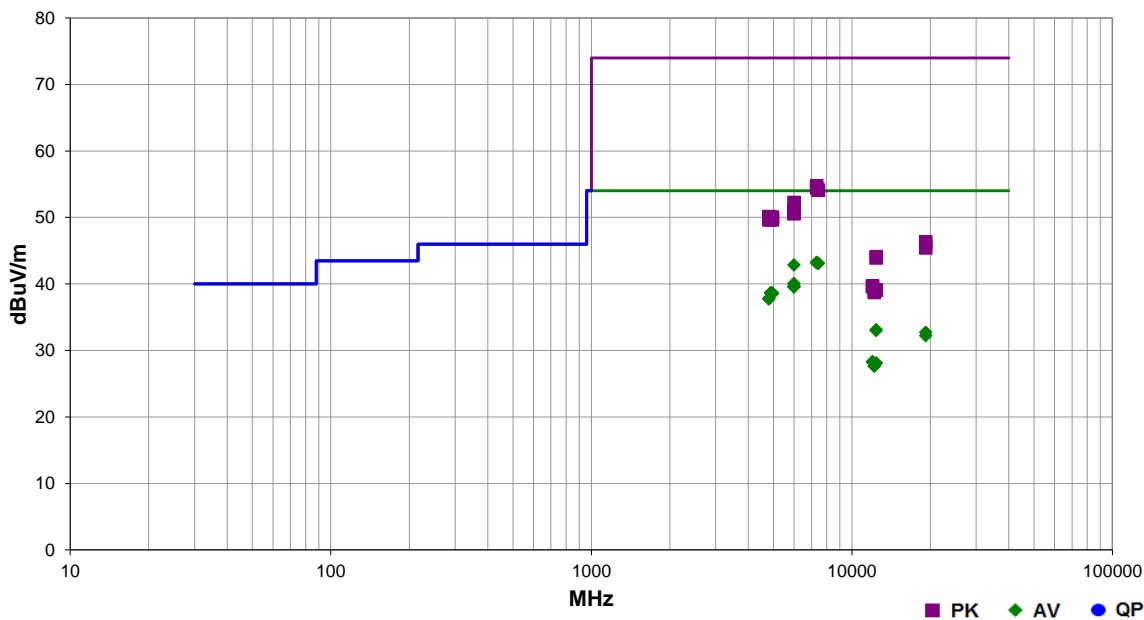
## TEST DESCRIPTION

The highest gain of each type of antenna to be used with the EUT was tested. The EUT was configured for low, mid, and high band transmit frequencies. For each configuration, the spectrum was scanned throughout the specified range. In addition, measurements were made in the restricted bands to verify compliance. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization. A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

Work Order:	SONO0377	Date:	08/21/15	
Project:	None	Temperature:	21.5 °C	
Job Site:	OC10	Humidity:	48.8% RH	
Serial Number:	Q402KJ	Barometric Pres.:	1011.6 mbar	
EUT:	iViz			
Configuration:	1			
Customer:	FUJIFILM Sonosite Manufacturing, LLC			
Attendees:	None			
EUT Power:	Battery			
Operating Mode:	Continuous transmit BLE: Low Channel (2402 MHz), Mid Channel (2442 MHz), and High Ch (2480 MHz)			
Deviations:	None			
Comments:	See comments on data for channel, frequency, data rate, and polarity.			

Test Specifications	Test Method
FCC 15.247:2015	ANSI C63.10:2013

Run #	145	Test Distance (m)	3	Antenna Height(s)	1 to 4(m)	Results	Pass
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Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7326.145	27.6	15.6	1.2	20.0	3.0	0.0	Horz	AV	0.0	43.2	54.0	-10.8	EUT Vert, Mid Ch, BLE
7326.670	27.5	15.6	1.2	198.0	3.0	0.0	Vert	AV	0.0	43.1	54.0	-10.9	EUT on Side, Mid Ch, BLE
7439.010	27.4	15.7	1.2	328.0	3.0	0.0	Vert	AV	0.0	43.1	54.0	-10.9	EUT on Side, High Ch, BLE
7439.075	27.4	15.7	1.2	217.0	3.0	0.0	Horz	AV	0.0	43.1	54.0	-10.9	EUT Vert, High Ch, BLE
6000.180	30.9	12.0	1.2	143.0	3.0	0.0	Vert	AV	0.0	42.9	54.0	-11.1	EUT on Side, Low Ch, BLE
6000.360	28.1	12.0	1.2	351.0	3.0	0.0	Vert	AV	0.0	40.1	54.0	-13.9	EUT Horz, Low Ch, BLE
5999.735	27.7	12.0	1.2	349.0	3.0	0.0	Horz	AV	0.0	39.7	54.0	-14.4	EUT Vert, Low Ch, BLE
5999.060	27.7	11.9	1.2	92.0	3.0	0.0	Vert	AV	0.0	39.6	54.0	-14.4	EUT Vert, Low Ch, BLE
6000.425	27.6	12.0	1.2	139.0	3.0	0.0	Horz	AV	0.0	39.6	54.0	-14.4	EUT Horz, Low Ch, BLE
5998.655	27.6	11.9	3.8	322.0	3.0	0.0	Horz	AV	0.0	39.5	54.0	-14.5	EUT on Side, Low Ch, BLE
4884.385	29.3	9.4	1.1	83.0	3.0	0.0	Horz	AV	0.0	38.7	54.0	-15.3	EUT Vert, Mid Ch, BLE
4958.825	29.1	9.5	1.5	96.0	3.0	0.0	Vert	AV	0.0	38.6	54.0	-15.4	EUT on Side, High Ch, BLE
4884.665	29.2	9.4	1.2	92.0	3.0	0.0	Vert	AV	0.0	38.6	54.0	-15.4	EUT on Side, Mid Ch, BLE
4958.540	29.0	9.5	1.2	304.0	3.0	0.0	Horz	AV	0.0	38.5	54.0	-15.5	EUT Vert, High Ch, BLE
4809.330	28.6	9.2	1.2	203.0	3.0	0.0	Vert	AV	0.0	37.8	54.0	-16.2	EUT on Side, Low Ch, BLE
4809.105	28.5	9.2	1.2	66.0	3.0	0.0	Horz	AV	0.0	37.7	54.0	-16.3	EUT Vert, Low Ch, BLE
7324.920	39.1	15.6	1.2	198.0	3.0	0.0	Vert	PK	0.0	54.7	74.0	-19.3	EUT on Side, Mid Ch, BLE
7326.165	38.8	15.6	1.2	20.0	3.0	0.0	Horz	PK	0.0	54.4	74.0	-19.6	EUT Vert, Mid Ch, BLE
7441.155	38.4	15.7	1.2	217.0	3.0	0.0	Horz	PK	0.0	54.1	74.0	-19.9	EUT Vert, High Ch, BLE
7441.410	38.4	15.7	1.2	328.0	3.0	0.0	Vert	PK	0.0	54.1	74.0	-19.9	EUT on Side, High Ch, BLE
12400.280	30.2	2.9	1.2	291.0	3.0	0.0	Vert	AV	0.0	33.1	54.0	-20.9	EUT on Side, High Ch, BLE
12401.220	30.1	2.9	1.2	57.0	3.0	0.0	Horz	AV	0.0	33.0	54.0	-21.0	EUT Vert, High Ch, BLE
19214.520	37.4	-4.7	1.2	280.0	3.0	0.0	Horz	AV	0.0	32.7	54.0	-21.3	EUT Vert, Low Ch, BLE
6000.285	40.3	12.0	1.2	92.0	3.0	0.0	Vert	PK	0.0	52.3	74.0	-21.7	EUT Vert, Low Ch, BLE
19217.250	36.9	-4.7	1.2	316.0	3.0	0.0	Vert	AV	0.0	32.2	54.0	-21.8	EUT on Side, Low Ch, BLE

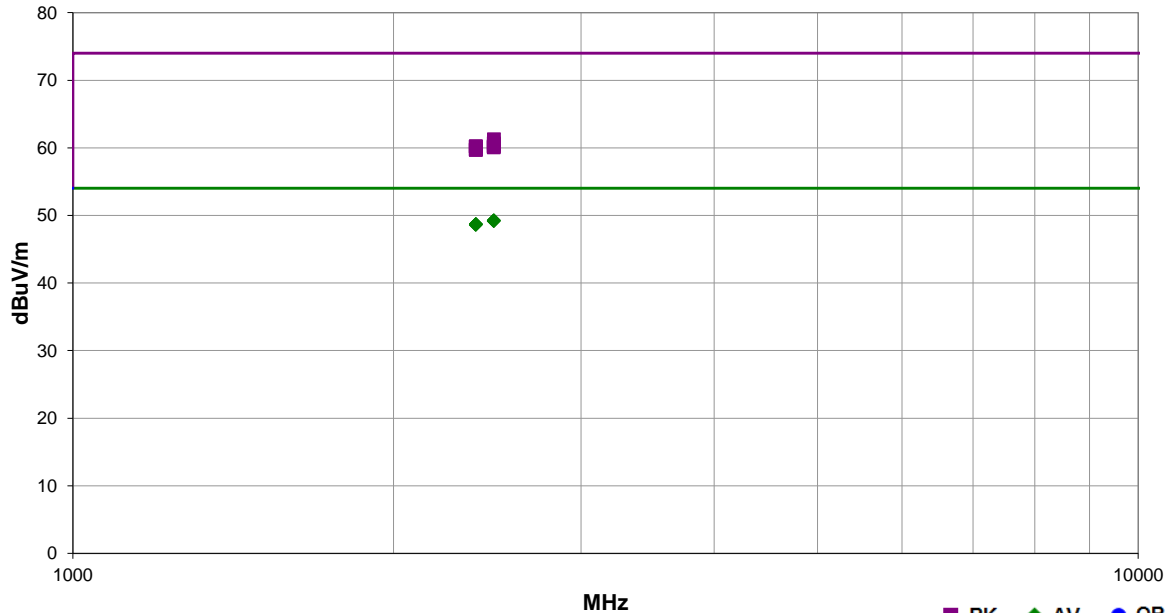
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
6001.420	39.2	12.0	1.2	351.0	3.0	0.0	Vert	PK	0.0	51.2	74.0	-22.8	EUT Horz, Low Ch, BLE
6000.415	39.1	12.0	1.2	349.0	3.0	0.0	Horz	PK	0.0	51.1	74.0	-22.9	EUT Vert, Low Ch, BLE
6001.390	38.8	12.0	1.2	139.0	3.0	0.0	Horz	PK	0.0	50.8	74.0	-23.2	EUT Horz, Low Ch, BLE
6000.830	38.7	12.0	3.8	322.0	3.0	0.0	Horz	PK	0.0	50.7	74.0	-23.3	EUT on Side, Low Ch, BLE
6000.950	38.6	12.0	1.2	143.0	3.0	0.0	Vert	PK	0.0	50.6	74.0	-23.4	EUT on Side, Low Ch, BLE
4808.910	40.9	9.2	1.2	66.0	3.0	0.0	Horz	PK	0.0	50.1	74.0	-23.9	EUT Vert, Low Ch, BLE
4960.900	40.5	9.5	1.5	96.0	3.0	0.0	Vert	PK	0.0	50.0	74.0	-24.0	EUT on Side, High Ch, BLE
4885.455	40.6	9.4	1.2	92.0	3.0	0.0	Vert	PK	0.0	50.0	74.0	-24.0	EUT on Side, Mid Ch, BLE
4883.845	40.5	9.4	1.1	83.0	3.0	0.0	Horz	PK	0.0	49.9	74.0	-24.1	EUT Vert, Mid Ch, BLE
4960.465	40.1	9.5	1.2	304.0	3.0	0.0	Horz	PK	0.0	49.6	74.0	-24.4	EUT Vert, High Ch, BLE
4807.650	40.4	9.2	1.2	203.0	3.0	0.0	Vert	PK	0.0	49.6	74.0	-24.4	EUT on Side, Low Ch, BLE
12008.980	37.4	-9.1	1.2	67.0	3.0	0.0	Horz	AV	0.0	28.3	54.0	-25.7	EUT Vert, Low Ch, BLE
12008.930	37.4	-9.1	1.2	318.0	3.0	0.0	Vert	AV	0.0	28.3	54.0	-25.7	EUT on Side, Low Ch, BLE
12398.800	36.5	-8.4	1.2	221.0	3.0	0.0	Horz	AV	0.0	28.1	54.0	-25.9	EUT Vert, High Ch, BLE
12398.730	36.5	-8.4	1.2	180.0	3.0	0.0	Vert	AV	0.0	28.1	54.0	-25.9	EUT on Side, High Ch, BLE
12198.910	36.4	-8.8	1.2	231.0	3.0	0.0	Vert	AV	0.0	27.6	54.0	-26.4	EUT on Side, Mid Ch, BLE
12198.940	36.4	-8.8	1.2	218.0	3.0	0.0	Horz	AV	0.0	27.6	54.0	-26.4	EUT Vert, Mid Ch, BLE
19215.660	51.0	-4.7	1.2	316.0	3.0	0.0	Vert	PK	0.0	46.3	74.0	-27.7	EUT on Side, Low Ch, BLE
19216.110	50.1	-4.7	1.2	280.0	3.0	0.0	Horz	PK	0.0	45.4	74.0	-28.6	EUT Vert, Low Ch, BLE
12400.120	41.2	2.9	1.2	57.0	3.0	0.0	Horz	PK	0.0	44.1	74.0	-29.9	EUT Vert, High Ch, BLE
12401.290	41.0	2.9	1.2	291.0	3.0	0.0	Vert	PK	0.0	43.9	74.0	-30.1	EUT on Side, High Ch, BLE
12009.250	48.8	-9.1	1.2	67.0	3.0	0.0	Horz	PK	0.0	39.7	74.0	-34.3	EUT Vert, Low Ch, BLE
12011.010	48.7	-9.1	1.2	318.0	3.0	0.0	Vert	PK	0.0	39.6	74.0	-34.4	EUT on Side, Low Ch, BLE
12399.840	47.5	-8.4	1.2	180.0	3.0	0.0	Vert	PK	0.0	39.1	74.0	-34.9	EUT on Side, High Ch, BLE
12398.630	47.5	-8.4	1.2	221.0	3.0	0.0	Horz	PK	0.0	39.1	74.0	-34.9	EUT Vert, High Ch, BLE
12200.170	47.7	-8.8	1.2	218.0	3.0	0.0	Horz	PK	0.0	38.9	74.0	-35.1	EUT Vert, Mid Ch, BLE
12200.100	47.5	-8.8	1.2	231.0	3.0	0.0	Vert	PK	0.0	38.7	74.0	-35.3	EUT on Side, Mid Ch, BLE

# SPURIOUS RADIATED EMISSIONS

Work Order:	SONO0377	Date:	08/21/15	
Project:	None	Temperature:	21.5 °C	
Job Site:	OC10	Humidity:	48.8% RH	
Serial Number:	Q402KJ	Barometric Pres.:	1011.6 mbar	
EUT:	iViz			
Configuration:	1			
Customer:	FUJIFILM Sonosite Manufacturing, LLC			
Attendees:	None			
EUT Power:	Battery			
Operating Mode:	Continuous transmit BLE: Low Channel (2402 MHz) and High Ch (2480 MHz)			
Deviations:	None			
Comments:	See comments on data for channel, frequency, data rate, and polarity.			

Test Specifications	Test Method
FCC 15.247:2015	ANSI C63.10:2013

Run #	148	Test Distance (m)	3	Antenna Height(s)	1 to 4(m)	Results	Pass
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Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2484.408	28.2	1.1	1.0	152.0	3.0	20.0	Horz	AV	0.0	49.3	54.0	-4.7	EUT Vert, High Ch, BLE
2483.947	28.2	1.1	1.2	0.0	3.0	20.0	Vert	AV	0.0	49.3	54.0	-4.7	EUT on Side, High Ch, BLE
2484.258	28.1	1.1	1.2	19.0	3.0	20.0	Horz	AV	0.0	49.2	54.0	-4.8	EUT on Side, High Ch, BLE
2483.990	28.1	1.1	1.2	149.0	3.0	20.0	Vert	AV	0.0	49.2	54.0	-4.8	EUT Horz, High Ch, BLE
2483.633	28.1	1.1	1.2	142.0	3.0	20.0	Vert	AV	0.0	49.2	54.0	-4.8	EUT Vert, High Ch, BLE
2483.503	28.1	1.1	1.2	158.0	3.0	20.0	Horz	AV	0.0	49.2	54.0	-4.8	EUT Horz, High Ch, BLE
2389.845	28.1	0.6	1.2	158.0	3.0	20.0	Vert	AV	0.0	48.7	54.0	-5.3	EUT Vert, Low Ch, BLE
2389.683	28.1	0.6	1.2	299.0	3.0	20.0	Horz	AV	0.0	48.7	54.0	-5.3	EUT on Side, Low Ch, BLE
2389.320	28.1	0.6	2.2	9.0	3.0	20.0	Horz	AV	0.0	48.7	54.0	-5.3	EUT Horz, Low Ch, BLE
2389.137	28.1	0.6	1.2	146.0	3.0	20.0	Vert	AV	0.0	48.7	54.0	-5.3	EUT Horz, Low Ch, BLE
2389.392	28.0	0.6	1.2	292.0	3.0	20.0	Vert	AV	0.0	48.6	54.0	-5.4	EUT on Side, Low Ch, BLE
2389.207	28.0	0.6	1.2	199.0	3.0	20.0	Horz	AV	0.0	48.6	54.0	-5.4	EUT Vert, Low Ch, BLE
2484.187	40.2	1.1	1.0	152.0	3.0	20.0	Horz	PK	0.0	61.3	74.0	-12.7	EUT Vert, High Ch, BLE
2483.887	39.6	1.1	1.2	19.0	3.0	20.0	Horz	PK	0.0	60.7	74.0	-13.3	EUT on Side, High Ch, BLE
2484.050	39.5	1.1	1.2	158.0	3.0	20.0	Horz	PK	0.0	60.6	74.0	-13.4	EUT Horz, High Ch, BLE
2483.900	39.2	1.1	1.2	0.0	3.0	20.0	Vert	PK	0.0	60.3	74.0	-13.7	EUT on Side, High Ch, BLE
2389.580	39.6	0.6	1.2	199.0	3.0	20.0	Horz	PK	0.0	60.2	74.0	-13.8	EUT Vert, Low Ch, BLE
2389.503	39.6	0.6	1.2	292.0	3.0	20.0	Vert	PK	0.0	60.2	74.0	-13.8	EUT on Side, Low Ch, BLE
2389.028	39.6	0.6	1.2	146.0	3.0	20.0	Vert	PK	0.0	60.2	74.0	-13.8	EUT Horz, Low Ch, BLE
2483.685	39.1	1.1	1.2	142.0	3.0	20.0	Vert	PK	0.0	60.2	74.0	-13.8	EUT Vert, High Ch, BLE
2483.867	39.0	1.1	1.2	149.0	3.0	20.0	Vert	PK	0.0	60.1	74.0	-13.9	EUT Horz, High Ch, BLE
2389.048	39.2	0.6	1.2	299.0	3.0	20.0	Horz	PK	0.0	59.8	74.0	-14.2	EUT on Side, Low Ch, BLE
2389.287	39.1	0.6	2.2	9.0	3.0	20.0	Horz	PK	0.0	59.7	74.0	-14.3	EUT Horz, Low Ch, BLE
2389.167	39.1	0.6	1.2	158.0	3.0	20.0	Vert	PK	0.0	59.7	74.0	-14.3	EUT Vert, Low Ch, BLE