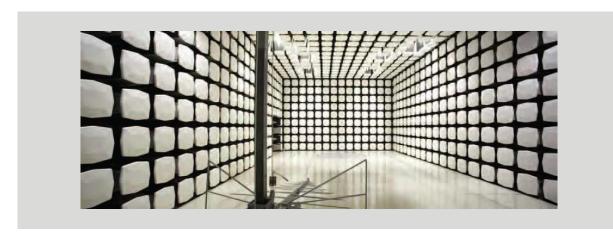


Inspire Medical Systems

New Telemetry Cable

FCC 15.247:2020 802.11bgn SISO Radio

Report: INSP0011 Rev. 1, Issue Date: August 6, 2020







NVLAP LAB CODE: 200881-0

CERTIFICATE OF TEST



Last Date of Test: June 5, 2020 Inspire Medical Systems EUT: New Telemetry Cable

Radio Equipment Testing

Standards

Specification	Method
FCC 15.207:2020	ANSI C63.10:2013, KDB 558074
FCC 15.247:2020	ANSI C03. 10.2013, NDB 330074

Results

Method Clause	Test Description	Applied	Results	Comments
6.2	Powerline Conducted Emissions	Yes	Pass	
11.12.1, 11.13.2, 6.5, 6.6	Spurious Radiated Emissions	Yes	Pass	
11.6	Duty Cycle	Yes	N/A	Characterization of radio operation.
11.8.2	Occupied Bandwidth	Yes	Pass	
11.9.2.2.4	Output Power	Yes	Pass	
11.9.2.2.4	Equivalent Isotropic Radiated Power	Yes	Pass	
11.10.2	Power Spectral Density	Yes	Pass	
11.11	Band Edge Compliance	Yes	Pass	
11.11	Spurious Conducted Emissions	Yes	Pass	

Deviations From Test Standards

None

Approved By:

David Schaefer, Operations Manager

Dovrd Schaefer

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. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

REVISION HISTORY



Revision Number	Description	Date (yyyy-mm-dd)	Page Number
	Removed unnecessary comment.	2020-08-05	19
01	Updated power in Spurious Radiated Emissions. Testing was carried out at 120VAC/60Hz	2020-08-05	19
	Power Settings Table added.	2020-08-05	11
	Test description changed to reflect that a peak detector was used.	2020-08-05	70
	Comment was added to the test description that explains why the limit is -30 dBc.	2020-08-05	86
	Comment was added to the test description that explains why the limit is -30 dBc.	2020-08-05	97
	The limits were adjusted.	2020-08-05	98, 99

ACCREDITATIONS AND AUTHORIZATIONS



United States

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 Element to certify transmitters to FCC and IC specifications.

NVLAP - Each laboratory is accredited by NVLAP to ISO 17025

Canada

ISED - Recognized by Innovation, Science and Economic Development Canada as a Certification Body (CB) and as a CAB for the acceptance of test data.

European Union

European Commission - Within Element, we have a EU Notified Body validated for the EMCD and RED Directives.

Australia/New Zealand

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

Korea

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

Japan

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

Taiwan

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.

Singapore

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

Israel

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

Hong Kong

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

Vietnam

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

SCOPE

For details on the Scopes of our Accreditations, please visit: https://www.nwemc.com/emc-testing-accreditations

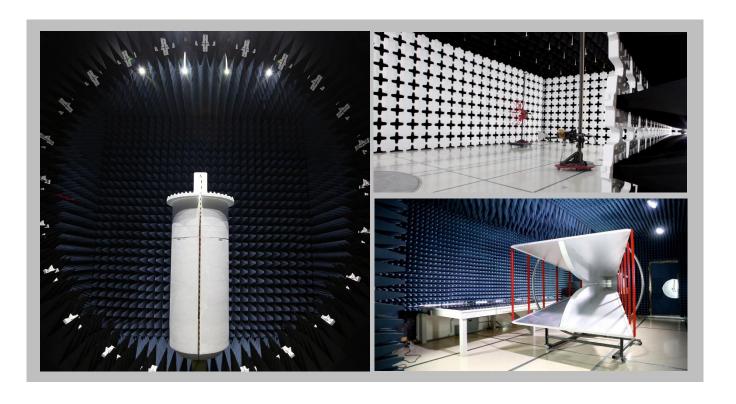
FACILITIES







California Labs OC01-17 41 Tesla Irvine, CA 92618 (949) 861-8918	Minnesota Labs MN01-10 9349 W Broadway Ave. Brooklyn Park, MN 55445 (612)-638-5136	Oregon Labs EV01-12 6775 NE Evergreen Pkwy #400 Hillsboro, OR 97124 (503) 844-4066	Texas Labs TX01-09 3801 E Plano Pkwy Plano, TX 75074 (469) 304-5255	Washington Labs NC01-05 19201 120 th Ave NE Bothell, WA 98011 (425)984-6600		
		NVLAP				
NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200630-0	NVLAP Lab Code:201049-0	NVLAP Lab Code: 200629-0		
	Innovation, Sci	ence and Economic Develop	ment Canada			
2834B-1, 2834B-3	2834E-1, 2834E-3	2834D-1	2834G-1	2834F-1		
		BSMI				
SL2-IN-E-1154R	SL2-IN-E-1152R	SL2-IN-E-1017	SL2-IN-E-1158R	SL2-IN-E-1153R		
	VCCI					
A-0029	A-0109	A-0108	A-0201	A-0110		
Re	Recognized Phase I CAB for ISED, ACMA, BSMI, IDA, KCC/RRA, MIC, MOC, NCC, OFCA					
US0158	US0175	US0017	US0191	US0157		



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 QM205.4.6. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) can be found included as part of the applicable test description page. 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.

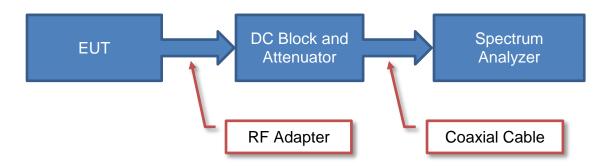
The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

Test	+ MU	- MU
Frequency Accuracy	0.0007%	-0.0007%
Amplitude Accuracy (dB)	1.2 dB	-1.2 dB
Conducted Power (dB)	1.2 dB	-1.2 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)	2.6 dB	-2.6 dB

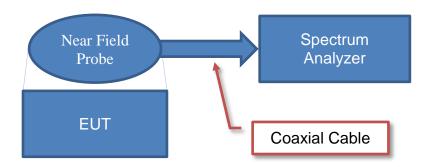
Test Setup Block Diagrams



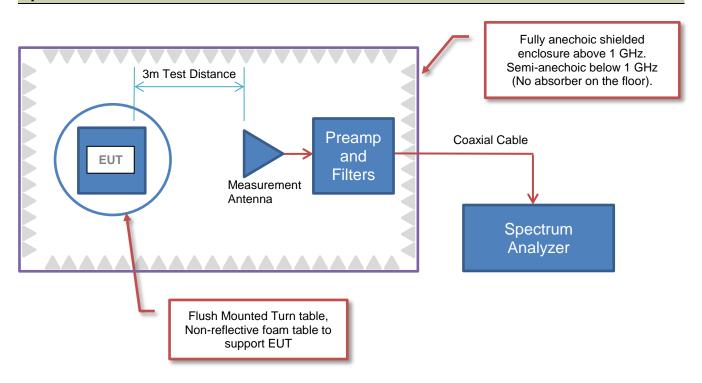
Antenna Port Conducted Measurements



Near Field Test Fixture Measurements



Spurious Radiated Emissions



PRODUCT DESCRIPTION



Client and Equipment Under Test (EUT) Information

Company Name:	Inspire Medical Systems
Address:	1600 Wayzata Blvd, Suite 1600
City, State, Zip:	Golden Valley, MN 55416
Test Requested By:	Jordan McIver
EUT:	Programmer Cable
First Date of Test:	May 26, 2020
Last Date of Test:	June 5, 2020
Receipt Date of Samples:	May 26, 2020
Equipment Design Stage:	Production
Equipment Condition:	No Damage
Purchase Authorization:	Verified

Information Provided by the Party Requesting the Test

Functional Description of the EUT:

Attachment for the tablet programmer containing inductive and Bluetooth Low Energy and 802.11bgn (2.4 GHz only) radios.

Testing Objective:

To demonstrate compliance of the 802.11 radio under FCC 15.247 for operation in the 2.4 GHz band.

CONFIGURATIONS



Configuration INSP0011-1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Programmer Cable	Inspire Medical Systems	2740	P000051

Peripherals in test setup boundary					
Description	Manufacturer	Model/Part Number	Serial Number		
Power Supply	GlobTek, Inc.	TR9CE1500CCP-IMR6B	020056138/18		

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
Programmer Cable	No	2.1 m	No	Power Supply	Wand
AC Cable	No	2.4 m	No	AC Mains	Power Supply
DC Cable	No	1.2 m	No	Power Supply	Programmer Cable

Configuration INSP0011-2

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Programmer Cable	Inspire Medical Systems	2740	P000026

Peripherals in test setup boundary				
Description	Manufacturer	Model/Part Number	Serial Number	
Power Supply	GlobTek, Inc.	TR9CE1500CCP-IMR6B	020056138/18	

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
Programmer Cable	No	2.1 m	No	Power Supply	Wand
AC Cable	No	2.4 m	No	AC Mains	Power Supply
DC Cable	No	1.2 m	No	Power Supply	Programmer Cable

MODIFICATIONS



Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	2020-05-26	Spurious Radiated	Tested as delivered to	No EMI suppression devices were added or	EUT remained at Element following the
		Emissions	Test Station.	modified during this test.	test.
2	0000 00 04	Occupied	Tested as	No EMI suppression	EUT remained at
	2020-06-01	Bandwidth	delivered to Test Station.	devices were added or modified during this test.	Element following the test.
			Tested as	No EMI suppression	EUT remained at
3	2020-06-01	Output Power	delivered to	devices were added or	Element following the
			Test Station.	modified during this test.	test.
		Equivalent	Tested as	No EMI suppression	EUT remained at
4	2020-06-01	01 Isotropic	delivered to	devices were added or	Element following the
		Radiated Power	Test Station.	modified during this test.	test.
		Power	Tested as	No EMI suppression	EUT remained at
5	2020-06-01	01 Spectral	delivered to	devices were added or	Element following the
		Density	Test Station.	modified during this test.	test.
		Band Edge	Tested as	No EMI suppression	EUT remained at
6	2020-06-01	Compliance	delivered to	devices were added or	Element following the
		·	Test Station.	modified during this test.	test.
_		Spurious	Tested as	No EMI suppression	EUT remained at
7	2020-06-01	Conducted	delivered to	devices were added or	Element following the
		Emissions	Test Station.	modified during this test.	test.
•	0000 00 05	Powerline	Tested as	No EMI suppression	Scheduled testing
8	2020-06-05	Conducted	delivered to	devices were added or	was completed.
		Emissions	Test Station.	modified during this test.	

POWER SETTINGS



The EUT was tested using the attenuation settings provided by the manufacturer:

SETTINGS FOR ALL TESTS IN THIS REPORT

Modulation Types Channel Bandwidths		Channel	Position	Frequency (MHz)	Attenuation Setting				
1 Mbps, 11 Mbps, 6	Mbps, 11 Mbps, 6		Low Channel	2412	2				
Mbps, 36 Mbps, 54	20	6	Mid Channel	2437	2				
Mbps, MCS0, MCS7	Mbps, MCS0, MCS7		High Channel	2462	2				
		1/5	Low Channel	2422	2				
MCS0, MCS7	40	4/8	Mid Channel	2437	2				
		7/11	High Channel	2452	2				



TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Per the standard, an insulating material was also added to ground plane between the EUT's power and remote I/O cables. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50ohm measuring port is terminated by a 50ohm EMI meter or a 50ohm resistive load. All 50ohm measuring ports of the LISN are terminated by 50ohm. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

TEST EQUIPMENT

1-01-400							
Description	Manufacturer	Model	ID	Last Cal.	Cal. Due		
LISN	Solar Electronics	9252-50-R-24-BNC	LIY	2020-03-15	2021-03-15		
Receiver	Rohde & Schwarz	ESR7	ARI	2019-07-08	2020-07-08		
Cable - Conducted Cable Assembly	Northwest EMC	MNC, HGN, TYK	MNCA	2020-03-11	2021-03-11		

MEASUREMENT UNCERTAINTY

Description		
Expanded k=2	2.6 dB	-2.6 dB

CONFIGURATIONS INVESTIGATED

INSP0011-1

MODES INVESTIGATED

Transmitting on Wifi midchannel 6 mode, Bandwidth 40MHz and Wifi rate MCS7



EUT:	New Telemetry Cable	Work Order:	INSP0011
Serial Number:	P000051	Date:	2020-06-05
Customer:	Inspire Medical Systems	Temperature:	24.1°C
Attendees:	Charlie Kellerman	Relative Humidity:	47%
Customer Project:	None	Bar. Pressure:	1015 mb
Tested By:	William Hoffa	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	INSP0011-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2020	ANSI C63.10:2013

TEST PARAMETERS

_						
Run #:	8	Line:	High Line	Add. Ext. Attenuation (dB):	0

COMMENTS

None

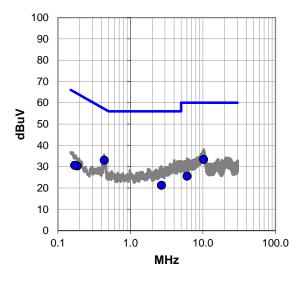
EUT OPERATING MODES

Transmitting on Wifi midchannel 6 mode, Bandwidth 40MHz and Wifi rate MCS7

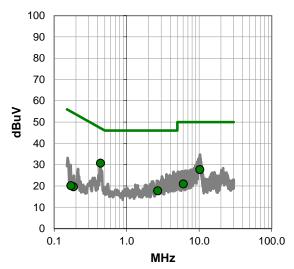
DEVIATIONS FROM TEST STANDARD

None

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit





RESULTS - Run #8

Quasi Peak Data - vs - Quasi Peak Limit

	Quadri dan Bata vo Quadri dan Eirin								
Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)				
0.436	12.5	20.5	33.0	57.1	-24.1				
10.215	12.5	20.9	33.4	60.0	-26.6				
0.184	9.6	20.7	30.3	64.3	-34.0				
0.170	9.8	20.8	30.6	65.0	-34.4				
6.048	4.8	20.7	25.5	60.0	-34.5				
2.684	0.6	20.6	21.2	56.0	-34.8				

Average Data - vs - Average Limit								
Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)			
0.436	10.2	20.5	30.7	47.1	-16.4			
10.215	6.8	20.9	27.7	50.0	-22.3			
2.684	-2.9	20.6	17.7	46.0	-28.3			
6.048	0.2	20.7	20.9	50.0	-29.1			
0.184	-1.1	20.7	19.6	54.3	-34.7			
0.170	-0.7	20.8	20.1	55.0	-34.9			

CONCLUSION

Pass

Tested By



EUT:	New Telemetry Cable	Work Order:	INSP0011
Serial Number:	P000051	Date:	2020-06-05
Customer:	Inspire Medical Systems	Temperature:	24.1°C
Attendees:	Charlie Kellerman	Relative Humidity:	47%
Customer Project:	None	Bar. Pressure:	1015 mb
Tested By:	William Hoffa	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	INSP0011-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2020	ANSI C63.10:2013

TEST PARAMETERS

Run #:	9	Line:	Neutral	Add. Ext. Attenuation (dE	3):	0

COMMENTS

None

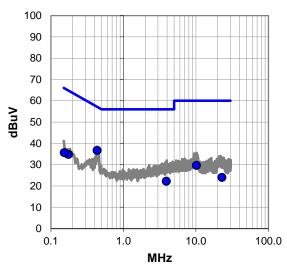
EUT OPERATING MODES

Transmitting on Wifi midchannel 6 mode, Bandwidth 40MHz and Wifi rate MCS7

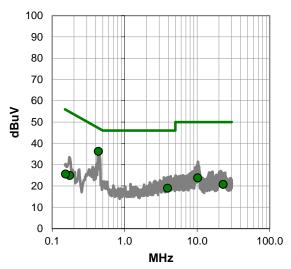
DEVIATIONS FROM TEST STANDARD

None

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit





RESULTS - Run #9

Quasi Peak Data - vs - Quasi Peak Limit

Quadri dan Dana 10 Quadri dan Ilim								
Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)			
0.435	16.2	20.5	36.7	57.2	-20.5			
0.175	14.0	20.8	34.8	64.7	-29.9			
0.153	14.6	21.0	35.6	65.8	-30.2			
10.188	8.7	20.9	29.6	60.0	-30.4			
3.914	1.5	20.7	22.2	56.0	-33.8			
22.896	2.7	21.3	24.0	60.0	-36.0			

	Average	Data - vs	- Average	Limit	
Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.435	15.7	20.5	36.2	47.2	-11.0
10.188	2.9	20.9	23.8	50.0	-26.2
3.914	-1.8	20.7	18.9	46.0	-27.1
22.896	-0.6	21.3	20.7	50.0	-29.3
0.175	4.1	20.8	24.9	54.7	-29.8
0.153	4.6	21.0	25.6	55.8	-30.2

CONCLUSION

Pass

Tested By

SPURIOUS RADIATED EMISSIONS



PSA-ESCI 2020.04.03.0

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

Transmitting on Low channel (2412 MHz), Mid channel (2437 MHz), and High channel (2462 MHz) at 20 MHz bandwidth; and Low channel (2422 MHz), Mid channel (2437 MHz), and High channel (2452 MHz) at 40 MHz bandwidth. Various data rates.

POWER SETTINGS INVESTIGATED

120VAC/60Hz

CONFIGURATIONS INVESTIGATED

INSP0011 - 1

FREQUENCY RANGE INVESTIGATED

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
Attenuator	Coaxicom	3910-20	AXY	2019-09-17	12 mo
Filter - High Pass	Micro-Tronics	HPM50111	HFM	2019-09-18	12 mo
Amplifier - Pre-Amplifier	Miteq	AM-1064-9079 and SA18E-10	AOO	2020-02-18	12 mo
Cable	Element	Biconilog Cable	MNX	2020-02-18	12 mo
Antenna - Biconilog	Ametek	CBL 6141B	AYS	2019-03-19	24 mo
Amplifier - Pre-Amplifier	Miteq	JSD4-18002600-26-8P	APU	2019-09-11	12 mo
Cable	ESM Cable Corp.	TTBJ141 KMKM-72	MNP	2019-09-11	12 mo
Antenna - Standard Gain	ETS Lindgren	3160-09	AHG	NCR	0 mo
Amplifier - Pre-Amplifier	L-3 Narda-MITEQ	AMF-6F-12001800-30-10P	PAP	2020-02-18	12 mo
Antenna - Standard Gain	ETS-Lindgren	3160-08	AJP	NCR	0 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVC	2020-02-18	12 mo
Cable	Element	Standard Gain Cable	MNW	2020-02-18	12 mo
Antenna - Standard Gain	ETS-Lindgren	3160-07	AJJ	NCR	0 mo
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	AVX	2020-02-18	12 mo
Cable	Element	Double Ridge Guide Horn Cables	MNV	2020-02-18	12 mo
Antenna - Double Ridge	ETS Lindgren	3115	AIB	2018-08-27	24 mo
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2020-04-14	12 mo

TEST DESCRIPTION

The highest gain antenna of each type to be used with the EUT was tested. The EUT was configured for the required transmit frequencies and the modes as showed in the data sheets.

For each configuration, the spectrum was scanned throughout the specified range as part of the exploratory investigation of the emissions. These "pre-scans" are not included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis if required, and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

QP = Quasi-Peak Detector

PK = Peak Detector

AV = RMS Detector

Measurements were made to satisfy the specific requirements of the test specification for out of band emissions as well as the restricted band requirements.

If there are no detectable emissions above the noise floor, the data included may show noise floor measurements for reference only.

Measurements within 2 MHz of the allowable band may have been taken using the integration method from ANSI C63.10 clause 11.13.3. This procedure uses the channel power feature of the spectrum analyzer to integrate the power of the emission within a 1 MHz bandwidth.

Where the radio test software does not provide for a duty cycle at continuous transmit conditions (> 98%) and the RMS (power average) measurements were made across the on and off times of the EUT transmissions, a duty cycle correction is added to the measurements using the formula of 10*log(1/dc).

SPURIOUS RADIATED EMISSIONS



	Wo	rk Order:	INSI	P0011		Date:	2020-	05-26			EmiR5 2020.04.20.0	PS	SA-ESCI 2020.04.03.0	
		Project: Job Site:		one N09	Tei	mperature: Humidity:		°C	0		Roy	Jan	P	
		Number:		0051	Barome	etric Pres.:		% RH mbar		Tested by:	Andrew Ro	ogstad		J
	• "			metry Cable										- -
		guration:		edical Syster	ne									_
	A	ttendees:	Darrell Wa	agner	110									<u>-</u> -
	EU	IT Power:	120VAC/6			40 MIL.) M	2.11	(0.40 7.1 41.1	V 1 1 P - 1	-11 (0	400 MILLS		1 - 2 - 10 -	_
c	perati	na Mode:		ng on Low cl hannel (242										
			data rates					,		,				_
	De	eviations:	None											
			See comn	nents for EU	T orientati	on, transmit	channel, d	ata rate, an	d bandwidt	h.				-
	Co	omments:												
Tool	Cnasi	fications						Toot Moth	ad	l				=
	15.247	fications 7:2020						Test Meth ANSI C63.						_
												_		_
F	Run #	12	Test Di	stance (m)	3	Antenna	Height(s)		1 to 4(m)		Results	l Pa	ass	_
	80													
	70													
	′ \													
	60													
	00									_ -				
	50							4						
Ë										•	•			
dBuV/m	40													
ä														
	30													
	20													
	10													
	o +												Щ	
	10			100			1000 MHz			10000			100000	
							1411 12				■ PK	◆ AV	• QP	
							External	Polarity/ Transducer		Distance			Compared to	
	req IHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	Attenuation (dB)	Туре	Detector	Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Spec. (dB)	
	3.993		-2.9				20.0	Horz	AV		53.2	, ,	-0.8	Comments EUT horz, High ch., MCS0, 40 MHz BW
2380	6.367	36.1 35.3	-3.2	1.5 1.0	6.0 94.0	3.0 3.0	20.0	Horz	AV	0.0 0.0	52.1	54.0 54.0	-1.9	EUT horz, Low ch., MCS0, 40 MHz BW
	3.713 3.533	33.3 32.9	-2.9 -2.9	2.2 1.4	308.0 15.0	3.0 3.0	20.0 20.0	Horz Horz	AV AV	0.0 0.0	50.4 50.0	54.0 54.0	-3.6 -4.0	EUT horz, High ch., 36 Mbps, 20 MHz BW EUT horz, High ch., 6 Mbps, 20 MHz BW
	3.520	32.7	-2.9	2.7	86.0	3.0	20.0	Horz	AV	0.0	49.8	54.0	-4.2	EUT horz, High ch., MCS7, 40 MHz BW
	3.573	32.6	-2.9	1.4	329.0	3.0	20.0	Horz	AV	0.0	49.7	54.0	-4.3	EUT horz, High ch., MCS0, 20 MHz BW
	4.027 3.627	32.4 32.2	-2.9 -2.9	1.7 1.5	291.0 145.0	3.0 3.0	20.0 20.0	Horz Horz	AV AV	0.0 0.0	49.5 49.3	54.0 54.0	-4.5 -4.7	EUT horz, High ch., 54 Mbps, 20 MHz BW EUT horz, High ch., MCS7, 20 MHz BW
248	4.307	32.2	-2.9	1.5	216.0	3.0	20.0	Horz	AV	0.0	49.3	54.0	-4.7	EUT horz, High ch., 1 Mbps, 20 MHz BW
	3.533 9.953	32.2 32.5	-2.9 -3.2	1.5 1.5	175.0 31.0	3.0 3.0	20.0 20.0	Horz Horz	AV AV	0.0 0.0	49.3 49.3	54.0 54.0	-4.7 -4.7	EUT horz, High ch., 11 Mbps, 20 MHz BW EUT horz, Low ch., 6 Mbps, 20 MHz BW
	9.147	32.3	-3.2	1.5	200.0	3.0	20.0	Horz	AV	0.0	49.1	54.0	-4.9	EUT horz, Low ch., 36 Mbps, 20 MHz BW
	9.760	32.2	-3.2	1.5	37.0	3.0	20.0	Horz	AV	0.0	49.0	54.0	-5.0	EUT horz, Low ch., 1 Mbps, 20 MHz
	3.510	31.8 31.6	15.7 15.8	1.5 1.5	53.0 9.0	3.0 3.0	0.0 0.0	Vert Vert	AV AV	0.0 0.0	47.5 47.4	54.0 54.0	-6.5 -6.6	EUT horz, Low ch., MCS0, 40 MHz BW EUT horz, Low ch., 1 Mbps, 20 Mhz BW
1447	3.170	31.5	15.8	1.5	63.0	3.0	0.0	Horz	AV	0.0	47.3	54.0	-6.7	EUT on side, Low ch., 1 Mbps, 20 MHz BW
	3.550 2.850	31.5 31.5	15.8 15.8	1.9 3.6	341.0 188.0	3.0 3.0	0.0 0.0	Vert Vert	AV AV	0.0 0.0	47.3 47.3	54.0 54.0	-6.7 -6.7	EUT horz, Low ch., 6 Mbps, 20 MHz BW EUT horz, Low ch., 36 Mbps, 20 MHz
1447	1.490	31.5	15.8	1.5	335.0	3.0	0.0	Vert	AV	0.0	47.3	54.0	-6.7	EUT horz, Low ch., 54 Mbps, 20 MHz BW
	3.260 3.530	31.5 31.5	15.8 15.8	1.5 1.5	275.0 183.0	3.0 3.0	0.0 0.0	Vert Vert	AV AV	0.0 0.0	47.3 47.3	54.0 54.0	-6.7 -6.7	EUT horz, Low ch., MCS0, 20 MHz BW EUT horz, Low ch., MCS7, 20 MHz BW
1452	9.620	31.7	15.6	2.2	354.0	3.0	0.0	Vert	AV	0.0	47.3	54.0	-6.7	EUT horz, Low ch., MCS7, 40 MHz BW
	2.920 4.583	31.4 39.2	15.8 5.4	1.5 1.2	333.0 327.0	3.0 3.0	0.0 0.0	Vert Horz	AV AV	0.0 0.0	47.2 44.6	54.0 54.0	-6.8 -9.4	EUT horz, Low ch., 11 Mbps, 20 MHz BW EUT on side, High ch., 1 Mbps, 20 MHz BW
248	4.833	47.1	-2.9	1.5	6.0	3.0	20.0	Horz	PK	0.0	64.2	74.0	-9.8	EUT horz, High ch., MCS0, 40 MHz BW
738	4.567 7.017	29.5 29.5	14.3 14.3	1.5 1.5	171.0 321.0	3.0 3.0	0.0 0.0	Vert Horz	AV AV	0.0 0.0	43.8 43.8	54.0 54.0	-10.2 -10.2	EUT horz, High ch., 1 Mbps, 20 MHz BW EUT on side, High ch., 1 Mbps, 20 MHz BW
238	8.887	47.0	-3.2	1.0	94.0	3.0	20.0	Horz	PK	0.0	63.8	74.0	-10.2	EUT horz, Low ch., MCS0, 40 MHz BW

						External	Polarity/ Transducer		Distance			Compared to	
Freq	Amplitude	Factor	Antenna Height	Azimuth	Test Distance	Attenuation	Туре	Detector	Adjustment	Adjusted	Spec. Limit	Spec.	
(MHz)	(dBuV)	(dB)	(meters)	(degrees)	(meters)	(dB)			(dB)	(dBuV/m)	(dBuV/m)	(dB)	Comments
2483.820	46.5	-2.9	2.2	308.0	3.0	20.0	Horz	PK	0.0	63.6	74.0	-10.4	EUT horz, High ch., 36 Mbps, 20 MHz BW
7312.587	29.6	13.9	1.5	49.0	3.0	0.0	Vert	AV	0.0	43.5	54.0	-10.5	EUT horz, Mid ch., 1 Mbps, 20 MHz BW
7312.160	29.4	13.9	2.9	10.0	3.0	0.0	Horz	AV	0.0	43.3	54.0	-10.7	EUT on side, Mid ch., 1 Mbps, 20 MHz BW
4924.733	37.8	5.4	1.5	349.0	3.0	0.0	Horz	AV	0.0	43.2	54.0	-10.8	EUT horz, High ch., 1 Mbps, 20 MHz BW
4924.617	37.8	5.4	3.3	327.0	3.0	0.0	Vert	AV	0.0	43.2	54.0	-10.8	EUT horz, High ch., 1 Mbps, 20 MHz BW
4924.517	37.0	5.4	2.9	302.0	3.0	0.0	Horz	AV	0.0	42.4	54.0	-11.6	EUT vert, High ch., 1 Mbps, 20 MHz BW
2484.873	45.3	-2.9 -2.9	2.7	86.0	3.0	20.0 20.0	Horz	PK PK	0.0	62.4 62.0	74.0 74.0	-11.6 -12.0	EUT horz, High ch., MCS7, 40 MHz BW
2483.933 4924.633	44.9 36.4	-2.9 5.4	1.4 1.5	15.0 343.0	3.0 3.0	0.0	Horz Vert	AV	0.0 0.0	62.0 41.8	74.0 54.0	-12.0 -12.2	EUT horz, High ch., 6 Mbps, 20 MHz BW EUT vert, High ch., 1 Mbps, 20 MHz BW
2386.707	44.8	-3.2	1.5	31.0	3.0	20.0	Horz	PK	0.0	61.6	74.0	-12.2	EUT horz, Low ch., 6 Mbps, 20 MHz BW
4924.700	35.9	5.4	3.5	291.0	3.0	0.0	Vert	AV	0.0	41.3	54.0	-12.7	EUT on side, High ch., 1 Mbps, 20 MHz BW
2485.080	43.9	-2.9	1.5	175.0	3.0	20.0	Horz	PK	0.0	61.0	74.0	-13.0	EUT horz, High ch., 11 Mbps, 20 MHz BW
2484.380	43.9	-2.9	1.7	291.0	3.0	20.0	Horz	PK	0.0	61.0	74.0	-13.0	EUT horz, High ch., 54 Mbps, 20 MHz BW
2485.733	43.7	-2.9	1.4	329.0	3.0	20.0	Horz	PK	0.0	60.8	74.0	-13.2	EUT horz, High ch., MCS0, 20 MHz BW
2485.687	43.7	-2.9	1.5	216.0	3.0	20.0	Horz	PK	0.0	60.8	74.0	-13.2	EUT horz, High ch., 1 Mbps, 20 MHz BW
2389.200	44.0	-3.2	1.5	37.0	3.0	20.0	Horz	PK	0.0	60.8	74.0	-13.2	EUT horz, Low ch., 1 Mbps, 20 MHz
4874.520	35.4	5.3	2.6	132.0	3.0	0.0	Horz	AV	0.0	40.7	54.0	-13.3	EUT on side, Mid ch., 1 Mbps, 20 MHz BW
2389.887	43.7	-3.2	1.5	200.0	3.0	20.0	Horz	PK	0.0	60.5	74.0	-13.5	EUT horz, Low ch., 36 Mbps, 20 MHz BW
2484.660	43.3	-2.9	1.5	145.0	3.0	20.0	Horz	PK	0.0	60.4	74.0	-13.6	EUT horz, High ch., MCS7, 20 MHz BW
4874.767	35.1	5.3	1.7	149.0	3.0	0.0	Vert	AV	0.0	40.4	54.0	-13.6	EUT horz, Mid ch., 1 Mbps, 20 MHz BW
4824.620 14471.910	35.1 43.8	5.2 15.8	1.1 1.5	124.0 63.0	3.0 3.0	0.0 0.0	Horz Horz	AV PK	0.0	40.3 59.6	54.0 74.0	-13.7 -14.4	EUT on side, Low ch., 1 Mbps, 20 MHz BW
14471.910	43.8	15.8	1.5	335.0	3.0	0.0	Vert	PK PK	0.0	59.6	74.0 74.0	-14.4 -14.7	EUT on side, Low ch., 1 Mbps, 20 MHz BW EUT horz, Low ch., 54 Mbps, 20 MHz BW
14473.490	43.5	15.8	1.5	183.0	3.0	0.0	Vert	PK	0.0	59.3	74.0	-14.7	EUT horz, Low ch., MCS7, 20 MHz BW
14533.020	43.6	15.7	1.5	53.0	3.0	0.0	Vert	PK	0.0	59.3	74.0	-14.7	EUT horz, Low ch., MCS0, 40 MHz BW
14473.990	43.4	15.8	1.5	9.0	3.0	0.0	Vert	PK	0.0	59.2	74.0	-14.8	EUT horz, Low ch., 1 Mbps, 20 Mhz BW
14530.530	43.5	15.6	2.2	354.0	3.0	0.0	Vert	PK	0.0	59.1	74.0	-14.9	EUT horz, Low ch., MCS7, 40 MHz BW
14470.400	43.1	15.8	1.5	275.0	3.0	0.0	Vert	PK	0.0	58.9	74.0	-15.1	EUT horz, Low ch., MCS0, 20 MHz BW
14472.240	43.0	15.8	1.9	341.0	3.0	0.0	Vert	PK	0.0	58.8	74.0	-15.2	EUT horz, Low ch., 6 Mbps, 20 MHz BW
14470.980	42.9	15.8	1.5	333.0	3.0	0.0	Vert	PK	0.0	58.7	74.0	-15.3	EUT horz, Low ch., 11 Mbps, 20 MHz BW
14472.260	42.9	15.8	3.6	188.0	3.0	0.0	Vert	PK	0.0	58.7	74.0	-15.3	EUT horz, Low ch., 36 Mbps, 20 MHz
4824.627	33.3	5.2	1.5	127.0	3.0	0.0	Vert	AV	0.0	38.5	54.0	-15.5	EUT horz, Low ch., 1 Mbps, 20 MHz BW
7385.217	41.1	14.3	1.5	321.0	3.0	0.0	Horz	PK	0.0	55.4	74.0	-18.6	EUT on side, High ch., 1 Mbps, 20 MHz BW
7309.293	41.0	13.9	2.9	10.0	3.0	0.0 0.0	Horz	PK	0.0	54.9	74.0	-19.1	EUT on side, Mid ch., 1 Mbps, 20 MHz BW
7310.173 7390.450	40.8 40.1	13.9 14.3	1.5 1.5	49.0 171.0	3.0 3.0	0.0	Vert Vert	PK PK	0.0 0.0	54.7 54.4	74.0 74.0	-19.3 -19.6	EUT horz, Mid ch., 1 Mbps, 20 MHz BW EUT horz, High ch., 1 Mbps, 20 MHz BW
4923.867	48.2	5.4	1.2	327.0	3.0	0.0	Horz	PK	0.0	53.6	74.0	-19.0	EUT on side, High ch., 1 Mbps, 20 MHz BW
4923.933	46.9	5.4	3.3	327.0	3.0	0.0	Vert	PK	0.0	52.3	74.0	-21.7	EUT horz, High ch., 1 Mbps, 20 MHz BW
4924.033	46.6	5.4	1.5	349.0	3.0	0.0	Horz	PK	0.0	52.0	74.0	-22.0	EUT horz, High ch., 1 Mbps, 20 MHz BW
4924.000	46.3	5.4	1.5	343.0	3.0	0.0	Vert	PK	0.0	51.7	74.0	-22.3	EUT vert, High ch., 1 Mbps, 20 MHz BW
4923.767	46.2	5.4	2.9	302.0	3.0	0.0	Horz	PK	0.0	51.6	74.0	-22.4	EUT vert, High ch., 1 Mbps, 20 MHz BW
12309.970	31.8	-0.4	3.5	240.0	3.0	0.0	Horz	AV	0.0	31.4	54.0	-22.6	EUT on side, High ch., 1 Mbps, 20 MHz BW
4923.917	45.6	5.4	3.5	291.0	3.0	0.0	Vert	PK	0.0	51.0	74.0	-23.0	EUT on side, High ch., 1 Mbps, 20 MHz BW
4874.233	45.7	5.3	2.6	132.0	3.0	0.0	Horz	PK	0.0	51.0	74.0	-23.0	EUT on side, Mid ch., 1 Mbps, 20 MHz BW
4823.853	45.5	5.2	1.1	124.0	3.0	0.0	Horz	PK	0.0	50.7	74.0	-23.3	EUT on side, Low ch., 1 Mbps, 20 MHz BW
4873.713	45.3	5.3	1.7	149.0	3.0	0.0	Vert	PK	0.0	50.6	74.0	-23.4	EUT horz, Mid ch., 1 Mbps, 20 MHz BW
12307.950	30.9	-0.4	2.1	166.0	3.0	0.0	Vert	AV	0.0	30.5	54.0	-23.5	EUT horz, High ch., 1 Mbps, 20 MHz BW
4823.793	45.3	5.2	1.5	127.0	3.0	0.0	Vert	PK	0.0	50.5	74.0	-23.5	EUT horz, Low ch., 1 Mbps, 20 MHz BW
12184.960	30.6	-0.4	2.2	117.0	3.0	0.0	Horz	AV	0.0	30.2	54.0	-23.8	EUT on side, Mid ch., 1 Mbps, 20 MHz
12183.270 12061.570	30.4 30.7	-0.4 -1.5	1.5 1.8	246.0 235.0	3.0 3.0	0.0 0.0	Vert Horz	AV AV	0.0 0.0	30.0 29.2	54.0 54.0	-24.0 -24.8	EUT horz, Mid ch., 1 Mbps, 20 MHz BW EUT on side, Low ch., 1 Mbps, 20 Mhz BW
12061.570	30.7	-1.5 -1.5	1.0	313.0	3.0	0.0	Vert	AV	0.0	29.2	54.0 54.0	-24.6 -24.8	EUT horz, Low ch., 1 Mbps, 20 MHz BW
12309.980	43.1	-0.4	3.5	240.0	3.0	0.0	Horz	PK	0.0	42.7	74.0	-24.6	EUT on side, High ch., 1 Mbps, 20 MHz BW
12184.890	42.9	-0.4	1.5	246.0	3.0	0.0	Vert	PK	0.0	42.7	74.0	-31.5	EUT horz, Mid ch., 1 Mbps, 20 MHz BW
12309.200	42.8	-0.4	2.1	166.0	3.0	0.0	Vert	PK	0.0	42.4	74.0	-31.6	EUT horz, High ch., 1 Mbps, 20 MHz BW
12185.410	42.1	-0.4	2.2	117.0	3.0	0.0	Horz	PK	0.0	41.7	74.0	-32.3	EUT on side, Mid ch., 1 Mbps, 20 MHz
12060.920	42.8	-1.5	1.8	235.0	3.0	0.0	Horz	PK	0.0	41.3	74.0	-32.7	EUT on side, Low ch., 1 Mbps, 20 Mhz BW
12061.870	42.1	-1.5	1.2	313.0	3.0	0.0	Vert	PK	0.0	40.6	74.0	-33.4	EUT horz, Low ch., 1 Mbps, 20 MHz BW

DUTY CYCLE



XMit 2020.03.25.0

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.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	E4422B	TGQ	15-Mar-18	15-Mar-21
Block - DC	Fairview Microwave	SD3379	AMI	6-Aug-19	6-Aug-20
Attenuator	S.M. Electronics	SA26B-20	RFW	10-Feb-20	10-Feb-21
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	15-Sep-19	15-Sep-20
Analyzer - Spectrum Analyzer	Keysight	N9010A (EXA)	AFQ	21-Dec-19	21-Dec-20

TEST DESCRIPTION

The Duty Cycle (x) of the single channel operation of the radio as controlled by the provided test software was measured for each of the EUT operating modes.

There is no compliance requirement to be met by this test, so therefore no Pass / Fail criteria.

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum.

The test software provided for operation in a fixed, single channel mode allows the EUT to operate continuously at 100% Duty Cycle.



XMit 2020.03.25.0

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.

TEST EQUIPMENT

1201 24011 1112111					
Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	E4422B	TGQ	15-Mar-18	15-Mar-21
Block - DC	Fairview Microwave	SD3379	AMI	6-Aug-19	6-Aug-20
Attenuator	S.M. Electronics	SA26B-20	RFW	10-Feb-20	10-Feb-21
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	15-Sep-19	15-Sep-20
Analyzer - Spectrum Analyzer	Keysight	N9010A (EXA)	AFQ	21-Dec-19	21-Dec-20

TEST DESCRIPTION

The EUT was set to the channels and modes listed in the datasheet.

The 6dB occupied bandwidth was measured using 100 kHz resolution bandwidth and 300 kHz video bandwidth. The 99.0% occupied bandwidth was also measured at the same time which can be needed during Output Power depending on the applicable method.

Report No. INSP0011 Rev 1



Serial Number:	Inspire Medical Systems	Work Order: Date: Temperature:	1-Jun-20	
Customer: Attendees:	Inspire Medical Systems			
Attendees:		Temperature:	04000	
			24.6 °C	
	Darrell Wagner	Humidity:	51.1% RH	
		Barometric Pres.:		
	Andrew Rogstad Power: 120VAC/60Hz	Job Site:		
ST SPECIFICATION				
CC 15.247:2020	ANSI C63.10:2013			
JO 10.E41.E0E0	71101 000.10.2010			
OMMENTS				
	set includes measurement cable, DC block, and 20 dB attenuator.			
	I TEST STANDARD			
one				
onfiguration #	2 Signature Chap Rogardan			
			Limit	
		Value	(>)	Result
MHz Bandwidth				
	802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	10.054 MHz	500 kHz	Pass
	Mid Channel 6, 2437 MHz	10.055 MHz	500 kHz	Pass
	High Channel 11, 2462 MHz	10.058 MHz	500 kHz	Pass
	802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	9.621 MHz	500 kHz	Pass
	Mid Channel 6, 2437 MHz	9.624 MHz	500 kHz	Pass
		9.613 MHz	500 kHz	Pass
	High Channel 11, 2462 MHz	9.013 MITZ	DUU KITZ	Pass
	802.11(g) 6 Mbps	40.00 MH	500 HH-	D
	Low Channel 1, 2412 MHz	16.38 MHz	500 kHz	Pass
	Mid Channel 6, 2437 MHz	16.374 MHz	500 kHz	Pass
	High Channel 11, 2462 MHz	16.383 MHz	500 kHz	Pass
ř	802.11(g) 36 Mbps			
	Low Channel 1, 2412 MHz	16.464 MHz	500 kHz	Pass
	Mid Channel 6, 2437 MHz	16.464 MHz	500 kHz	Pass
	High Channel 11, 2462 MHz	16.465 MHz	500 kHz	Pass
	802.11(g) 54 Mbps			
	Low Channel 1, 2412 MHz	16.473 MHz	500 kHz	Pass
	Mid Channel 6, 2437 MHz	16.475 MHz	500 kHz	Pass
	High Channel 11, 2462 MHz	16.473 MHz	500 kHz	Pass
F	802.11(n) MCS0	10.170 111112	000 101 12	1 000
	Low Channel 1, 2412 MHz	17.025 MHz	500 kHz	Pass
	Mid Channel 6, 2437 MHz	17.025 WHZ 17.017 MHz	500 kHz	Pass
		17.017 MHz 17.012 MHz		
	High Channel 11, 2462 MHz	17.012 MHz	500 kHz	Pass
	802.11(n) MCS7	47.040.181	E00111	
	Low Channel 1, 2412 MHz	17.012 MHz	500 kHz	Pass
	Mid Channel 6, 2437 MHz	17.013 MHz	500 kHz	Pass
	High Channel 11, 2462 MHz	17.006 MHz	500 kHz	Pass
MHz Bandwidth				
,	802.11(n) MCS0			
	Low Channel 1/5, 2422 MHz	36.367 MHz	500 kHz	Pass
	Mid Channel 4/8, 2437 MHz	36.368 MHz	500 kHz	Pass
	III I OL I I III I OLEO III I	36.373 MHz	500 kHz	Pass
	High Channel 7/11, 2452 MHz			
ı	High Channel 7/11, 2452 MHz 802.11(n) MCS7	35.5.3 141112		
i	802.11(n) MCS7		500 kHz	Pass
k		36.421 MHz 36.425 MHz	500 kHz 500 kHz	Pass Pass

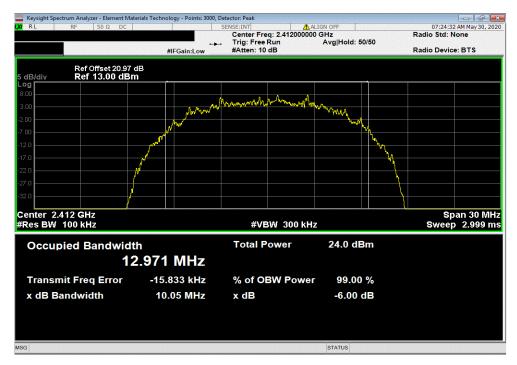


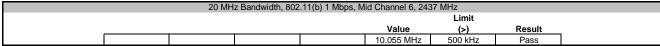
20 MHz Bandwidth, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz

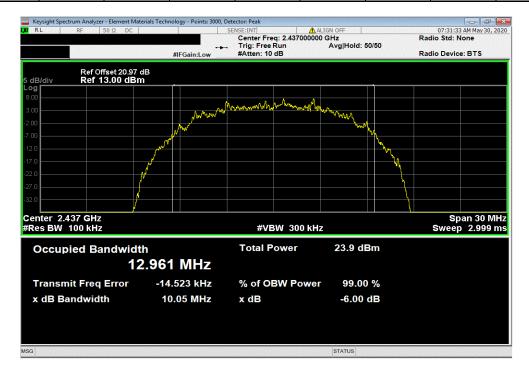
Limit

Value (>) Result

10.054 MHz 500 kHz Pass







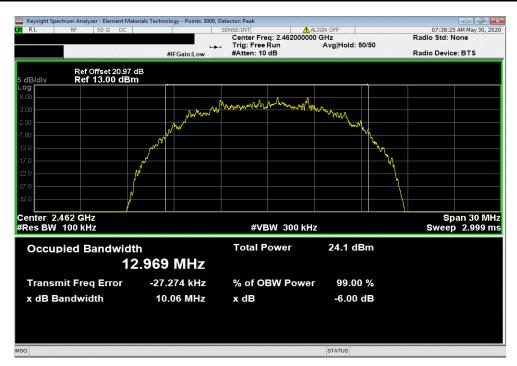


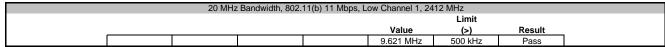
20 MHz Bandwidth, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

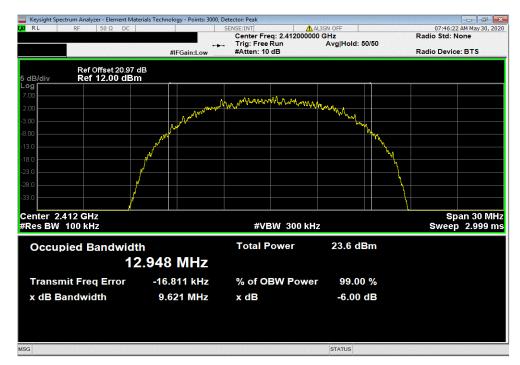
Limit

Value (>) Result

10.058 MHz 500 kHz Pass









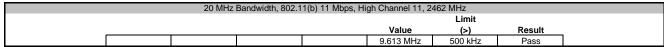
20 MHz Bandwidth, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz

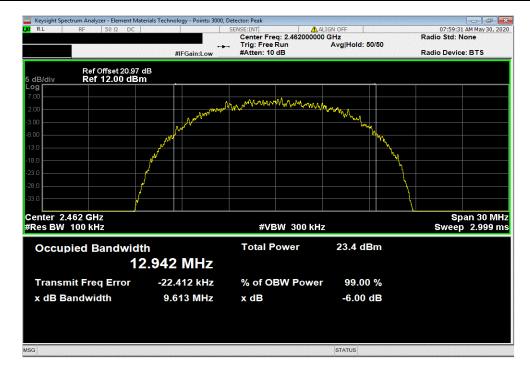
Limit

Value (>) Result

9.624 MHz 500 kHz Pass







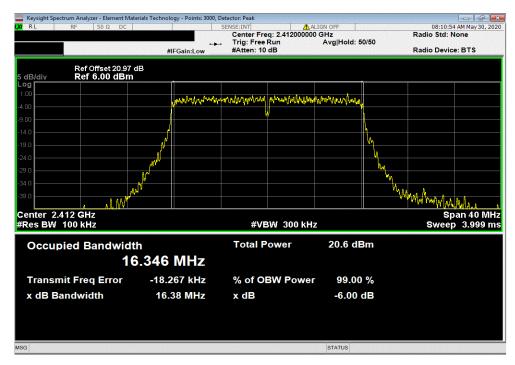


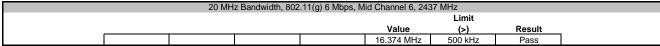
20 MHz Bandwidth, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz

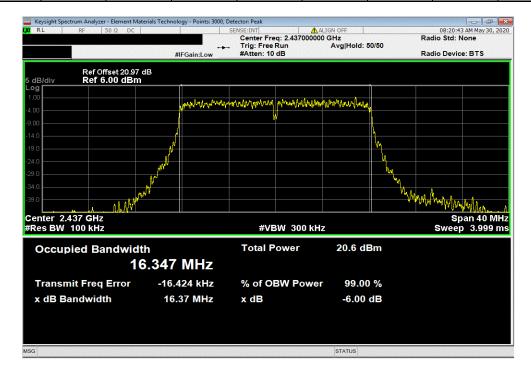
Limit

Value (>) Result

16.38 MHz 500 kHz Pass







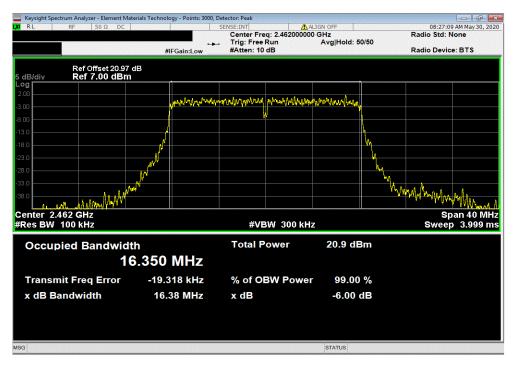


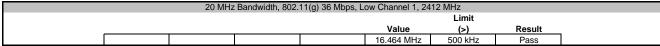
20 MHz Bandwidth, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz

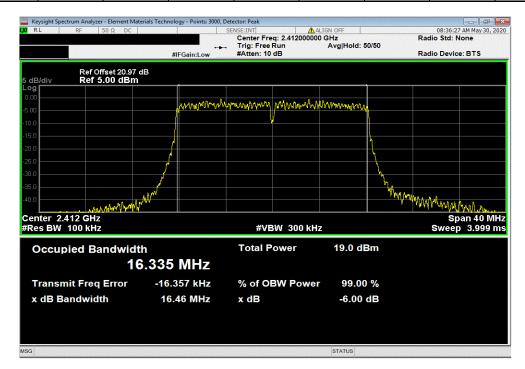
Limit

Value (>) Result

16.383 MHz 500 kHz Pass







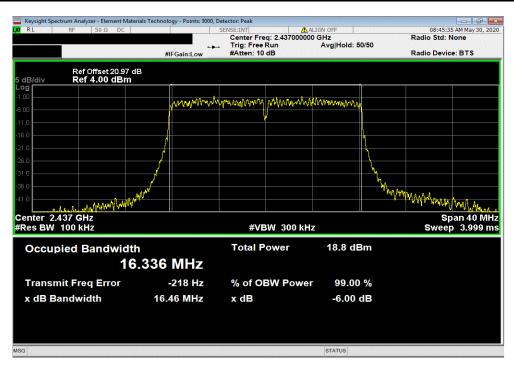


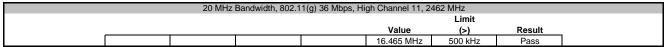
20 MHz Bandwidth, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz

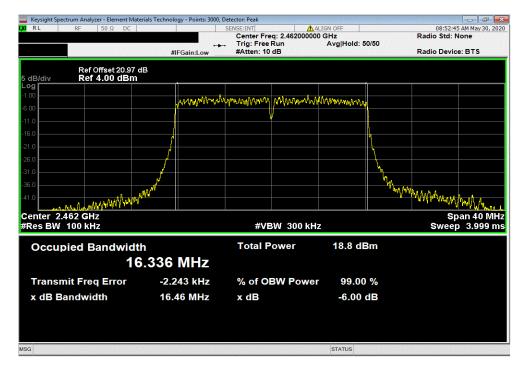
Limit

Value (>) Result

16.464 MHz 500 kHz Pass







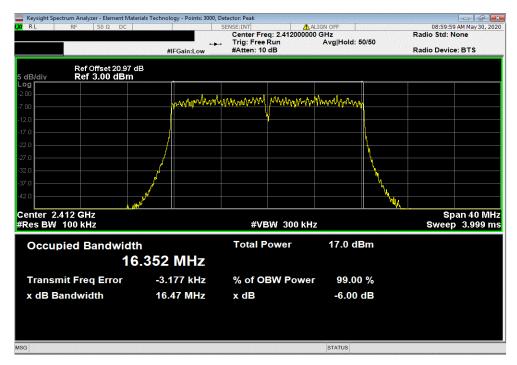


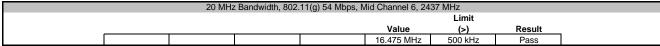
20 MHz Bandwidth, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

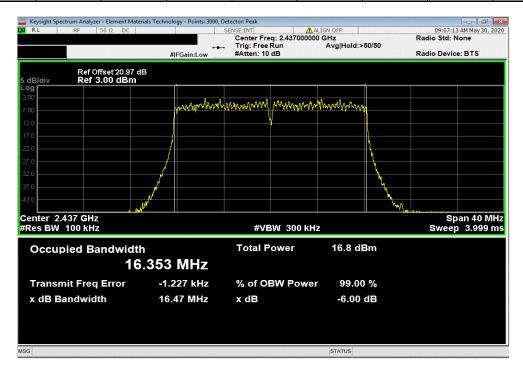
Limit

Value (>) Result

16.473 MHz 500 kHz Pass







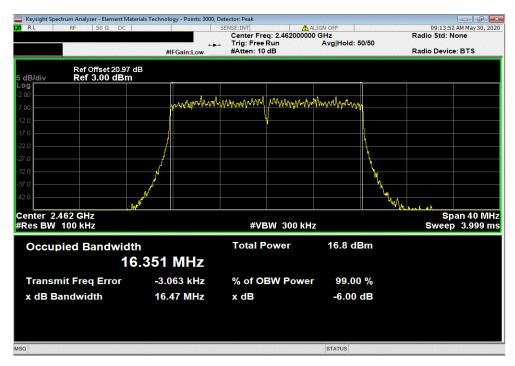


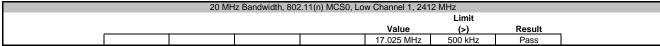
20 MHz Bandwidth, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz

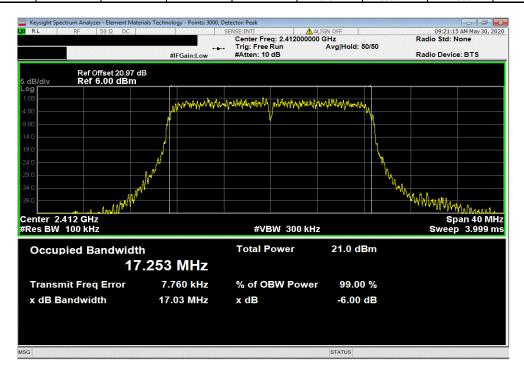
Limit

Value (>) Result

16.473 MHz 500 kHz Pass







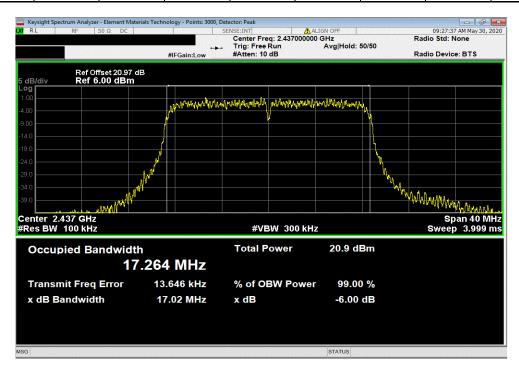


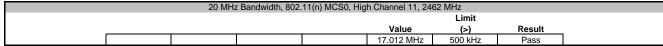
20 MHz Bandwidth, 802.11(n) MCS0, Mid Channel 6, 2437 MHz

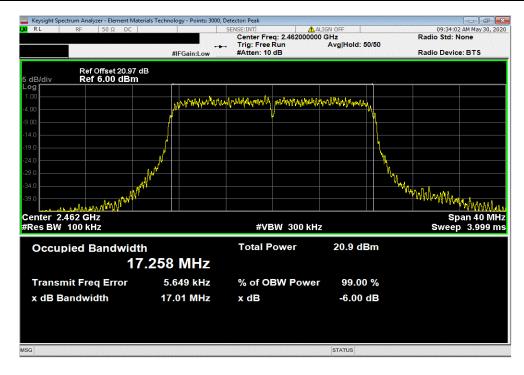
Limit

Value (>) Result

17.017 MHz 500 kHz Pass







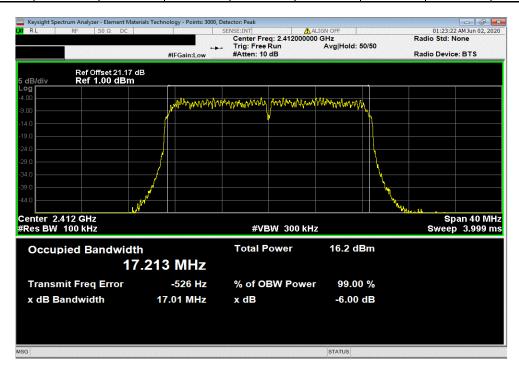


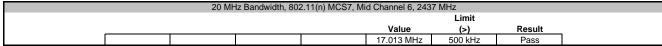
20 MHz Bandwidth, 802.11(n) MCS7, Low Channel 1, 2412 MHz

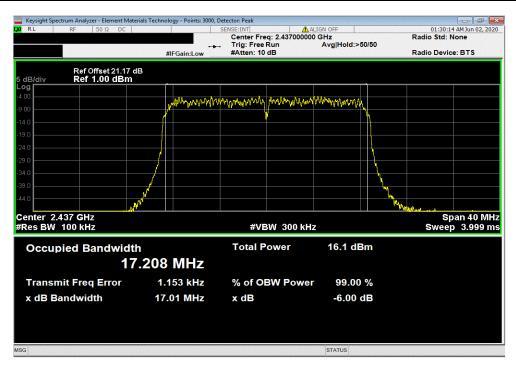
Limit

Value
(>) Result

17.012 MHz
Pass







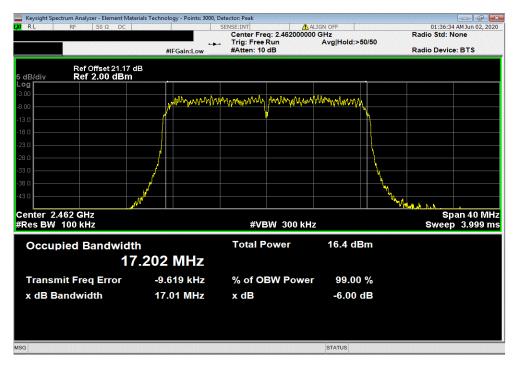


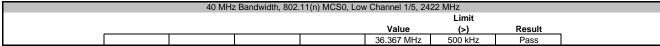
20 MHz Bandwidth, 802.11(n) MCS7, High Channel 11, 2462 MHz

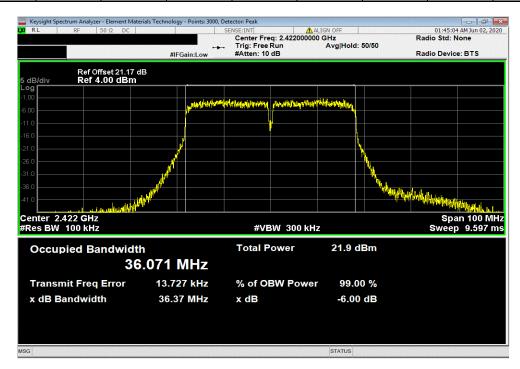
Limit

Value (>) Result

17.006 MHz 500 kHz Pass







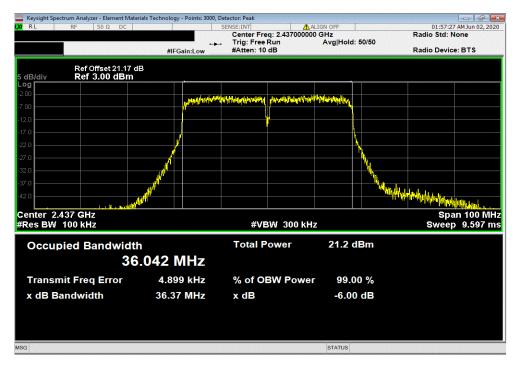


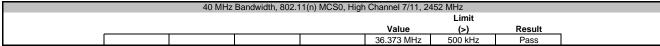
40 MHz Bandwidth, 802.11(n) MCS0, Mid Channel 4/8, 2437 MHz

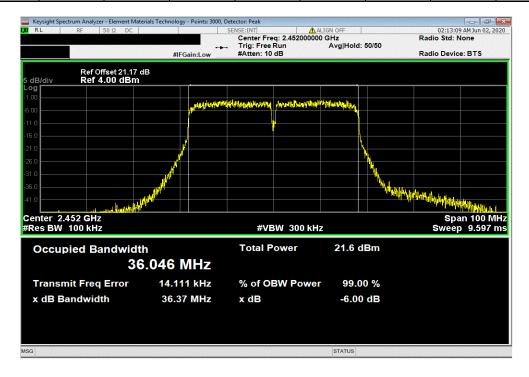
Limit

Value (>) Result

36.368 MHz 500 kHz Pass







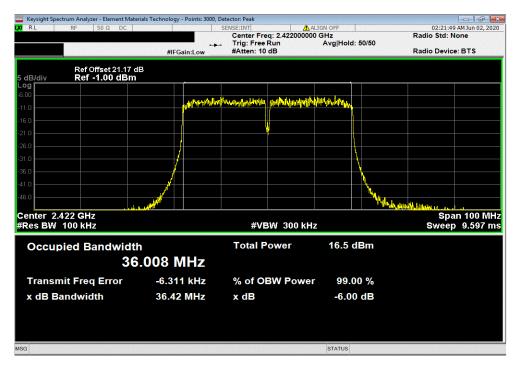


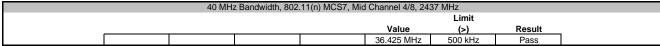
40 MHz Bandwidth, 802.11(n) MCS7, Low Channel 1/5, 2422 MHz

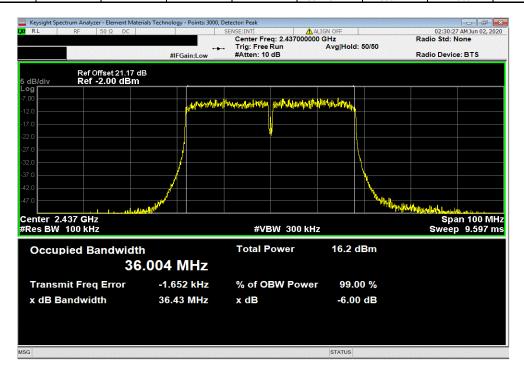
Limit

Value (>) Result

36.421 MHz 500 kHz Pass









40 MHz Bandwidth, 802.11(n) MCS7, High Channel 7/11, 2452 MHz

Limit

Value (>) Result

36.407 MHz 500 kHz Pass

