



## REGULATORY COMPLIANCE TEST REPORT

FCC CFR 47 Part 15 Subpart C 15.247 & ISED RSS-247

Report No.: DIGI135-U4-FHSS Rev A Introduction

**Company:** Digi International Inc

**Model Name:** XBSG

**Part Numbers:** XB-WSB-9S-001  
XB-WSB-UT-001  
XB-WSB-UM-001  
XB-WSB-US-001

## REGULATORY COMPLIANCE TEST REPORT

**Company Name:** Digi International Inc

**Model Name:** XBSG

**To:** FCC CFR 47 Part 15 Subpart C 15.247 & ISED RSS-247

**Test Report Serial No.:** DIGI135-U4-FHSS Rev A - Introduction

This report supersedes: NONE

Applicant: Digi International Inc  
9350 Excelsior Blvd.  
Hopkins, MN 55343  
USA

Issue Date: 15<sup>th</sup> May 2025

**This Test Report is Issued Under the Authority of:**

**MiCOM Labs, Inc.**  
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MiCOM Labs is an ISO 17025 Accredited Testing Laboratory

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## **1. ACCREDITATION, LISTINGS & RECOGNITION**

### **1.1. TESTING ACCREDITATION**

MiCOM Labs, Inc. is an accredited Electrical testing laboratory per the international standard ISO/IEC 17025:2017. The company is accredited by the American Association for Laboratory Accreditation (A2LA) [www.a2la.org](http://www.a2la.org) test laboratory number 2381.01. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-01.pdf>



## 1.2. RECOGNITION

MiCOM Labs, Inc is widely recognized for its wireless testing and certification capabilities. In addition to being recognized for Testing and Certification under Phase 2 Mutual Recognition Agreements (MRA) with Canada, Europe, United Kingdom and Japan, our international recognition includes Conformity Assessment Body (CAB) designation status under agreements with Asia Pacific (APEC) MRA Phase 1 countries giving acceptance of MiCOM Labs test reports. MiCOM Labs test reports are accepted globally.

Country	Recognition Body	Status	MRA Phase	Identification No.
USA	Federal Communications Commission (FCC)	TCB	-	US0159 Test Firm Designation#: US1084
Canada	Industry Canada (ISED)	FCB	APEC MRA 2	US0159 ISED#: 4143A
Japan	MIC (Ministry of Internal Affairs and Communication)	CAB	Japan MRA 2	RCB 210
	Japan Approvals Institute for Telecommunication Equipment (JATE)			
	VCCI	--	--	A-0012
Europe	European Commission	NB	EU MRA 2	NB 2280
United Kingdom	Department for Business, Energy & Industrial Strategy (BEIS)	AB	UK MRA 2	AB 2280
Mexico	Instituto Federal de Telecomunicaciones (IFT)	CAB	Mexico MRA 1	US0159
Australia	Australian Communications and Media Authority (ACMA)	CAB	APEC MRA 1	US0159
Hong Kong	Office of the Telecommunication Authority (OFTA)			
Korea	Ministry of Information and Communication Radio Research Laboratory (RRL)			
Singapore	Infocomm Development Authority (IDA)			
Taiwan	National Communications Commission (NCC) Bureau of Standards, Metrology and Inspection (BSMI)			
Vietnam	Ministry of Communication (MIC)			

TCB – Telecommunications Certification Bodies (TCB)

FCB – Foreign Certification Body

CAB – Conformity Assessment Body

NB – Notified Body

AB – Approved Body

MRA – Mutual Recognition Agreement

MRA Phase I - recognition for product testing

Phase II – recognition for both product testing and certification

### **1.3. PRODUCT CERTIFICATION**

MiCOM Labs, Inc. is an accredited Product Certification Body per the international standard ISO/IEC 17065:2012. The company is accredited by the American Association for Laboratory Accreditation (A2LA) [www.a2la.org](http://www.a2la.org) test laboratory number 2381.02. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-02.pdf>



### **Accredited Product Certification Body**

A2LA has accredited

**MiCOM LABS**

Pleasanton, CA

This product certification body is accredited in accordance with the recognized International Standard ISO/IEC 17065:2012 Requirements for bodies certifying products, processes and services. This product certification body also meets the A2LA R322 - Specific Requirements - Notified Body Accreditation Requirements and A2LA R308 - Specific Requirements - ISO-IEC 17065 - Telecommunication Certification Body Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a management system.

Presented this 28<sup>th</sup> day of February 2024.



Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2381.02  
Valid to November 30, 2025



*For the product certification schemes to which this accreditation applies, please refer to the organization's Product Certification Scope of Accreditation.*

United States of America – Telecommunication Certification Body (TCB)  
Industry Canada – Certification Body, CAB Identifier – US0159  
Europe – Notified Body (NB), NB Identifier - 2280  
UK – Approved Body (AB), AB Identifier - 2280  
Japan – Recognized Certification Body (RCB), RCB Identifier - 210

## 2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	1 <sup>st</sup> April 2025	Draft for comment
Rev A	15th May 2025	Initial Release

In the above table the latest report revision will replace all earlier versions.

### **3. TEST RESULT CERTIFICATE**

**Manufacturer:** Digi International Inc  
9350 Excelsior Blvd.  
Hopkins MN 55343  
USA

**Tested By:** MiCOM Labs, Inc.  
575 Boulder Court  
Pleasanton California 94566  
USA

**Model:** XBSG

**Telephone:** +1 925 462 0304

**Type Of Equipment:** Wireless Communication Modules

**Fax:** +1 925 462 0306

**S/N's:** N/A

**Test Date(s):** 25<sup>th</sup> – 26<sup>th</sup>, 28<sup>th</sup> February 2025  
3<sup>rd</sup> – 7<sup>th</sup> March 2025

**Website:** [www.micomlabs.com](http://www.micomlabs.com)

#### **STANDARD(S)**

#### **TEST RESULTS**

**FCC CFR 47 Part 15 Subpart C 15.247 & ISED  
RSS-247**

**EQUIPMENT COMPLIES**

MiCOM Labs, Inc. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

**Notes:**

1. This document reports conditions under which testing was conducted and the results of testing performed.
2. Details of test methods used have been recorded and kept on file by the laboratory.
3. Test results apply only to the item(s) tested.

**Approved & Released for MiCOM Labs, Inc. by:**



TESTING CERT #2381.01

Graeme Grieve  
Quality Manager MiCOM Labs, Inc.

Gordon Hurst  
President & CEO MiCOM Labs, Inc.

## 4. REFERENCES AND MEASUREMENT UNCERTAINTY

### 4.1. Normative References

REF.	PUBLICATION	YEAR	TITLE
I	KDB 558074 D01 v05r02	Apr 2019	Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices operating under section 15.247 of the FCC Rules.
II	A2LA	16th April 2024	R105 - Requirement's When Making Reference to A2LA Accreditation Status
III	ANSI C63.10	2020	American National Standard for Testing Unlicensed Wireless Devices
IV	ANSI C63.4	2014 + 2017 Amendment	American National Standards for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
V	ETSI TR 100 028	2001-12	Parts 1 and 2 Electromagnetic compatibility and Radio Spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics
VI	FCC 47 CFR Part 15, Subpart B	Nov 2017	Title 47: Telecommunication PART 15—RADIO FREQUENCY DEVICES, SubPart B; Unintentional Radiators
VII	FCC 47 CFR Part 15.247	Apr 2020	Radio Frequency Devices; Subpart C – Intentional Radiators
VIII	FCC Public Notice DA 00-705	Mar 2000	Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems
IX	ICES-003	Issue 7; Oct 2020	Information Technology Equipment (Including Digital Apparatus)
X	UKAS M3003	Edition 6 March 2024	The Expression of Uncertainty and Confidence in Measurements
XI	RSS-247 Issue 3	Aug 2023	Digital Transmission Systems (DTSs), Frequency Hopping System (FHSs) and Licence-Exempt Local Area Network (LE-LEN) Devices
XII	RSS-Gen Issue 5	Amendment 1,2 (Feb 2021)	General Requirements for Compliance of Radio Apparatus. With Amendments 1: March 2019 and 2: Feb 2021.
XIII	FCC 47 CFR Part 2.1033	Feb 2023	FCC requirements and rules regarding photographs and test setup diagrams.
XIV	UKAS LAB 12	Edition 4 April 2022	The Expression of Uncertainty in Testing

#### **4.2. Test and Uncertainty Procedure**

Conducted and radiated emission measurements were conducted in accordance with American National Standards Institute ANSI C63.4, listed in the Normative References section of this report.

Measurement uncertainty figures are calculated in accordance with ETSI TR 100 028 Parts 1 and 2.

Measurement uncertainties stated are based on a standard uncertainty multiplied by a coverage factor  $k = 2$ , providing a level of confidence of approximately 95 % in accordance with UKAS document M 3003 listed in the Normative References section of this report.

## 5. PRODUCT DETAILS AND TEST CONFIGURATIONS

### 5.1. Technical Details

Details	Description
Purpose:	Test of the Digi International Inc XBSG to FCC CFR 47 Part 15 Subpart C 15.247 & ISED RSS-247
Applicant:	Digi International Inc 9350 Excelsior Blvd. Hopkins MN 55343 United States of America
Manufacturer:	Digi International Inc
Laboratory performing the tests:	MiCOM Labs, Inc. 575 Boulder Court, Pleasanton California 94566 USA
Test report reference number:	DIGI135-U4-FHSS
Date EUT received:	13 <sup>th</sup> February 2025
Standard(s) applied:	FCC CFR 47 Part 15 Subpart C 15.247 & ISED RSS-247
Dates of test (from - to):	25 <sup>th</sup> – 26 <sup>th</sup> , 28 <sup>th</sup> February 2025 3 <sup>rd</sup> – 7 <sup>th</sup> March 2025
No of Units Tested:	1
Product Family Name:	XBee W-SUN RF Module
Model(s):	XBSG (See Appendix B 'Declaration of Similarities/Part Numbers')
Location for use:	Both
Declared Frequency Range(s):	902 - 928 MHz;
Type of Modulation:	OFDM
EUT Modes of Operation:	FSK-50k: 902 – 928MHz FSK-150k: 902 – 928MHz FSK-300k: 902 – 928MHz MCS4-OFDM-opt4: 902 – 928MHz MCS6-OFDM-opt4: 902 – 928MHz
Declared Nominal Output Power:	+17 dBm
Transmit/Receive Operation:	Transceiver
Rated Input Voltage and Current:	3.3VDC 0.195A
Operating Temperature Range:	-40°C to +85°C
ITU Emission Designator:	FSK-50K 128KF1D FSK-150K 201KF1D FSK-300K 374KF1D MCS4 OFDM OPT4 243KF1D MCS6 OFDM OPT4 263KF1D
Equipment Dimensions:	Micro-mount: 1.36 cm x 1.93 cm x 0.241 cm (0.534 in x 0.760 in x 0.095 in) Surface mount (SMT): 2.2 cm x 3.38 cm x 0.325 cm (0.866 in x 1.33 in x 0.128 in) Through hole (TH): 2.44 cm x 2.76 cm x 0.688 cm (0.96 in x 1.088 in x 0.271 in)
Weight:	Micro-mount: 1.2g Surface mount (SMT): 3.0g Through hole (TH): 3.0g
Hardware Rev:	6000
Firmware Rev:	B000

## **5.2. Scope Of Test Program**

### **Digi International Inc XBSG**

The scope of the test program was to test Digi International Inc XBSG, XBSG configurations in the frequency ranges 902 - 928 MHz; for compliance against the following specification:

#### **FCC CFR 47 Part 15 Subpart C 15.247 (FHSS)**

Radio Frequency Devices; Subpart C – Intentional Radiators

#### **ISED RSS-247 Issue 3**

Digital Transmission Systems (DTSS), Frequency Hopping System (FHSS) and License-Exempt Local Area Network (LE-LEN) Devices

### **5.3. Equipment Model(s) and Serial Number(s)**

Type (EUT/Support)	Equipment Description	Manufacturer	Model No.	Serial No.
EUT	Wireless Communication Modules	Digi International	XBSG	086

### **5.4. Antenna Details**

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
External	Laird	Phantom TRA9023P	OMNI	3	-	-	-	902 – 928
External	Lair/TE Connectivity	FG9026	OMNI	8	-	-	-	902 – 928
Integral	Meritek	AT503008915	Chip	0.8	-	-	-	902 – 928
External	Molex	2111400100	OMNI	1.0	-	-	-	902 – 928
External	Mpdevice	ACE-915NF	Dipole	2.957	-	-	-	902 – 928
External	Taoglas	FXUB65.07.0180C	Patch	2.0	-	-	-	902 – 928

BF Gain - Beamforming Gain  
 Dir BW - Directional BeamWidth  
 X-Pol - Cross Polarization

### **5.5. Cabling and I/O Ports**

1. NONE

## 5.6. Test Configurations

Results for the following configurations are provided in this report:

Operational Mode(s)	Data Rate with Highest Power kbp/s	Channel Frequency (MHz)		
		Low	Mid	High
<b>902 - 928 MHz</b>				
FSK-50k	50	902.2	915.0	927.8
FSK-150k	150	902.4	914.6	927.2
FSK-300k	300	903.2	915.2	927.2
MCS4-OFDM-opt4	150	902.2	915.0	927.8
MCS6-OFDM-opt4	300	902.2	915.0	927.8

## 5.7. Equipment Modifications

The following modifications were required to bring the equipment into compliance:

1. NONE

## 5.8. Deviations from the Test Standard

The following deviations from the test standard were required in order to complete the test program:

1. NONE

## **6. TEST SUMMARY**

### List of Measurements

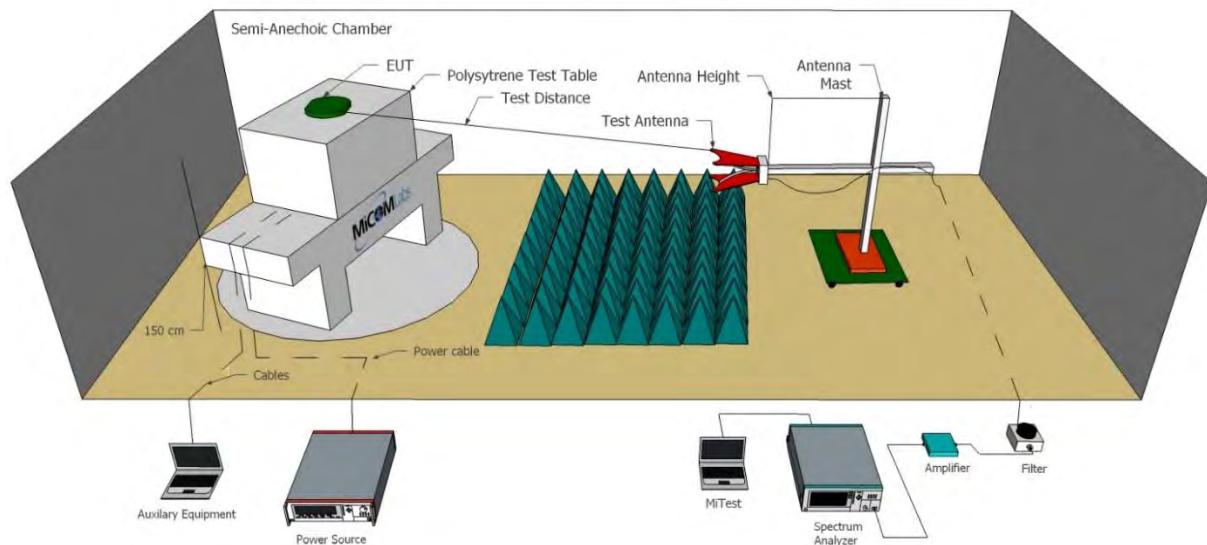
Test Header	Result
<b>FHSS</b>	
20 dB & 99% Bandwidth	Complies
Output Power	Complies
Frequency Hopping Tests	Complies
Number of Hopping Channels	Complies
Channel Separation	Complies
Channel Occupancy & Dwell Time	Complies
Emissions	Complies
(1) Conducted Emissions	Complies
(i) Conducted Unwanted Emissions Peak	Complies
(ii) Conducted Band-Edge Emissions	Complies
(2) Radiated Emissions	Complies
(i) TX Spurious & Restricted Band Emissions	Complies

## 7. TEST EQUIPMENT CONFIGURATION(S)

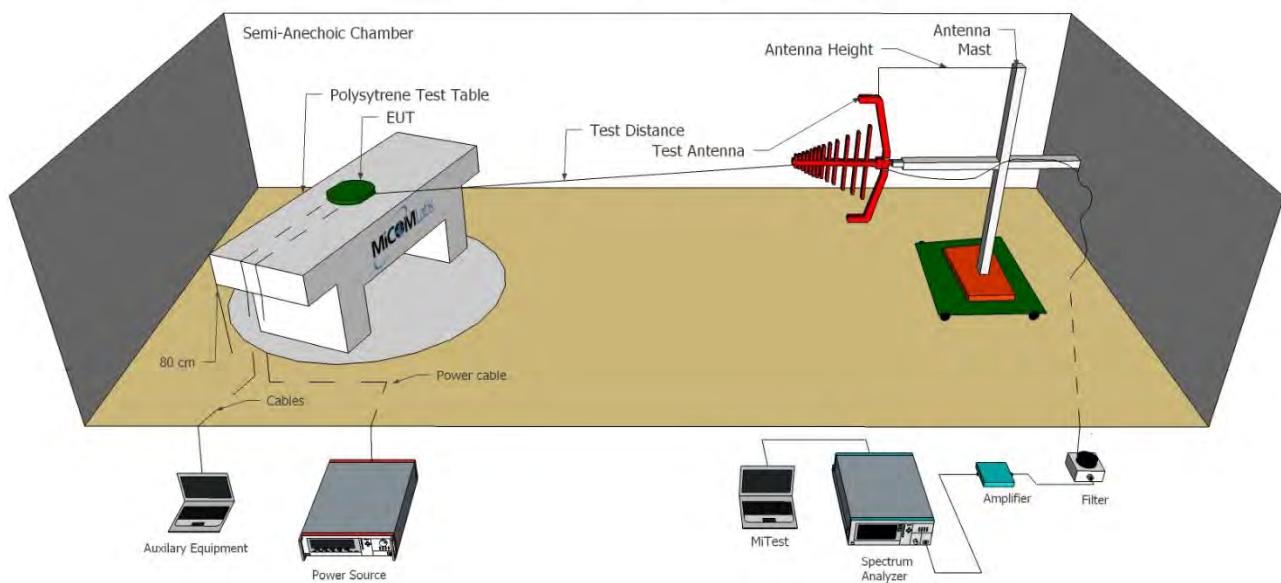
## 7.1. Radiated

## Radiated emissions above and below 1GHz.

## Radiated Emissions Above 1GHz Test Setup



## Radiated Emissions Below 1GHz Test Setup



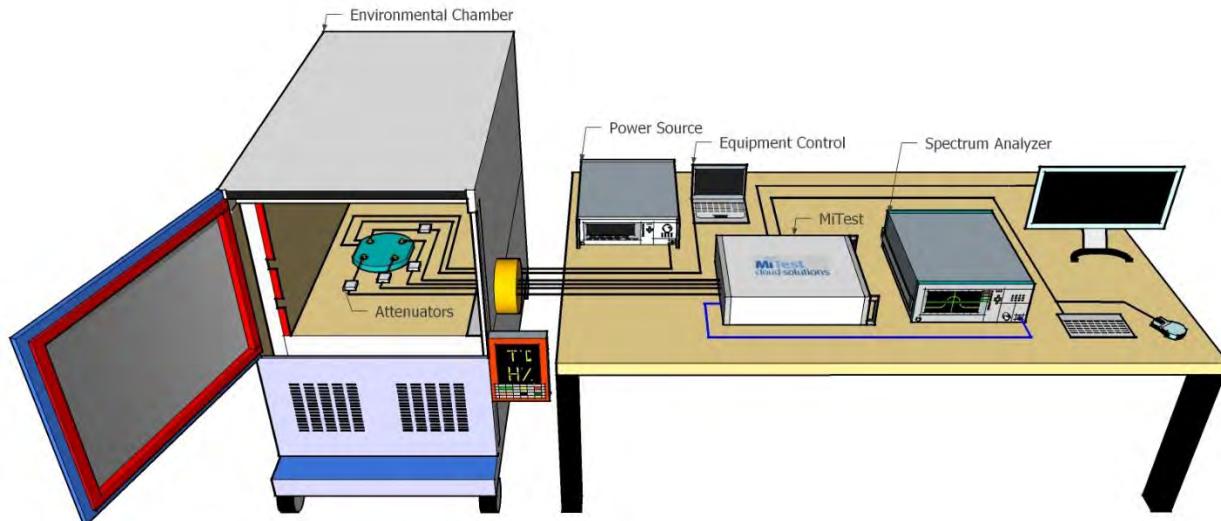


Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
145	18 GHz to 26.6 GHz antenna	Millimeter Products Inc	261K/595	145	23 Jun 2025
148	26.5 GHz to 40 GHz Antenna	Millimeter Products Inc	261A/599	148	28 Jun 2025
170	Video System Controller for Semi Anechoic Chamber	Panasonic	WV-CU101	04R08507	Not Required
266	10 Hz to 50GHz MXA Signal Analyzer	Keysight	N9020B	MY60110791	25 Jul 2025
298	3M Radiated Emissions Chamber Maintenance Check	MiCOM	3M Chamber	298	20 Jul 2025
330	Variac 0-280 Vac	Staco Energy Co	3PN1020B	0546	Cal when used
336	Active loop Ant 10kHz to 30 MHz	EMCO	EMCO 6502	00060498	7 Dec 2025
338	Sunol 30 to 3000 MHz Antenna	Sunol	JB3	A052907	5 Dec 2025
342	2.4 GHz Notch Filter	EWT	EWT-14-0203	H1	13 Jul 2025
346	1.6 TO 10GHz High Pass Filter	EWT	EWT-57-0112	H1	13 Jul 2025
373	26III RMS Multimeter	Fluke	Fluke 26 series III	76080720	29 Sep 2025
382	Tunable Notch Filter	Wainwright Instruments GmbH	WRCT800/960-0.2/40-8EEK	64	Cal when used
396	2.4 GHz Notch Filter	Microtronics	BRM50701	001	13 Jul 2025
397	Amp 10 - 2500MHz	MiCOM Labs	Amp 10 - 2500 MHz	NA	27 May 2025
399	ETS 1-18 GHz Horn Antenna	ETS	3117	00154575	7 Dec 2025
406	Amplifier for Radiated Emissions	MiCOM Labs	40dB 1 to 18GHz Amp	0406	2 Jul 2025
410	Desktop Computer	Dell	Inspiron 620	WS38	Not Required
411	Mast/Turntable Controller	Sunol Sciences	SC98V	060199-1D	Not Required
412	USB to GPIB Interface	National Instruments	GPIB-USB HS	11B8DC2	Not Required
413	Mast Controller	Sunol Science	TWR95-4	030801-3	Not Required
415	Turntable Controller	Sunol Sciences	Turntable Controller	None	Not Required
416	Gigabit ethernet filter	ETS-Lingren	Gigafoil 260366	None	Not Required
447	MiTest Rad Emissions Test Software	MiCOM	Rad Emissions Test Software Version 1.0	447	Not Required
462	Schwarzbeck cable from Antenna to Amplifier.	Schwarzbeck	AK 9513	462	18 Jul 2025

463	Schwarzbeck cable from Amplifier to Bulkhead.	Schwarzbeck	AK 9513	463	18 Jul 2025
464	Schwarzbeck cable from Bulkhead to Receiver	Schwarzbeck	AK 9513	464	16 Jul 2025
465	Low Pass Filter DC-1000 MHz	Mini-Circuits	NLP-1200+	VUU01901402	14 Jul 2025
480	Cable - Bulkhead to Amp	SRC Haverhill	157-3050360	480	18 Jul 2025
481	Cable - Bulkhead to Receiver	SRC Haverhill	151-3050787	481	18 Jul 2025
510	Barometer/Thermometer	Digi Sense	68000-49	170871375	4 Jan 2026
554	Precision SMA Cable	Fairview Microwave	SCE18060101-400CM	554	18 Jul 2025
555	Rhode & Schwarz Receiver (Firmware Version : 3.10 SP1)	Rhode & Schwarz	ESW 44	101893	28 Jun 2025
578	DC Power Supply 0 - 60 V, 0 - 15 A	HP	6274B	2537A-08192	Not Required
596	DC Power Supply	Keysight	E36155A	MY63001023	17 Jan 2026
87	Uninterruptible Power Supply	Falcon Electric	ED2000-1/2LC	F3471 02/01	Cal when used
CC-05	Radiated Emissions Confidence Check	MiCOM	CC-05	None	20 Jul 2025

## 7.2. Conducted Test Setup

MiTest Automated Test System



A full system calibration was performed on the test station and any resulting system losses (or gains) were considered in the production of all final measurement data.

Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
#3 SA	MiTest Box to SA	Fairview Microwave	SCA1814-0101-72	#3 SA	11 Jul 2025
#3P1	EUT to MiTest box port 1	Fairview Microwave	SCA1814-0101-72	#3P1	11 Jul 2025
#3P2	EUT to MiTest box port 2	Fairview Microwave	SCA1814-0101-72	#3P2	11 Jul 2025
#3P3	EUT to MiTest box port 3	Fairview Microwave	SCA1814-0101-72	#3P3	11 Jul 2025
#3P4	EUT to MiTest box port 4	Fairview Microwave	SCA1812-0101-72	#3P4	11 Jul 2025
249	Thermocouple; Resistance Thermometer	Thermotronics	GR2105-02	9340 #2	22 Mar 2026
266	10 Hz to 50GHz MXA Signal Analyzer	Keysight	N9020B	MY60110791	25 Jul 2025
382	Tunable Notch Filter	Wainwright Instruments GmbH	WRCT800/960-0.2/40-8EEK	64	Cal when used
398	MiTest RF Conducted Test Software	MiCOM	MiTest ATS	Version 4.2.3.0	Not Required
405	DC Power Supply 0-60V	Agilent	6654A	MY4001826	Cal when used
408	USB to GPIB interface	National Instruments	GPIB-USB HS	14C0DE9	Not Required



441	USB Wideband Power Sensor	Boonton	55006	9179	4 Dec 2025
442	USB Wideband Power Sensor	Boonton	55006	9181	12 Dec 2025
445	PoE Injector	D-Link	DPE-101GL	QTAH1E2000625	Not Required
461	Spectrum Analyzer	Agilent	E4440A	MY46185537	27 Sep 2025
493	USB Wideband Power Sensor	Boonton	55006	9634	8 Oct 2025
494	USB Wideband Power Sensor	Boonton	55006	9726	12 Dec 2025
510	Barometer/Thermometer	Digi Sense	68000-49	170871375	4 Jan 2026
512	MiTest Cloud Solutions RF Test Box	MiCOM	2nd Gen	512	11 Jul 2025
516	USB Wideband Power Sensor	Boonton	RTP5006	10511	4 Dec 2025
555	Rhode & Schwarz Receiver (Firmware Version : 3.10 SP1)	Rhode & Schwarz	ESW 44	101893	28 Jun 2025
592	Harmonic Mixer, 140 GHz to 220 GHz	Radiometer Physics	RPG FS-Z220	101105	7 Jun 2026
593	Harmonic Mixer, 90 GHz to 140 GHz	Radiometer Physics	RPG FS-Z140	101197	2 Aug 2026
596	DC Power Supply	Keysight	E36155A	MY63001023	17 Jan 2026
75	Environmental Chamber	Thermatron	SE-300-2-2	27946	20 Nov 2025

## **8. MEASUREMENT AND PRESENTATION OF TEST DATA**

The measurement and graphical data presented in this test report was generated automatically using state-of-the-art technology creating an easy to read report structure. Numerical measurement data is separated from supporting graphical data (plots) through hyperlinks. Numerical measurement data can be reviewed without scrolling through numerous graphical pages to arrive at the next data matrix.

Plots have been relegated into the Appendix 'Graphical Data'.

Test and report automation was performed by [MiTest](#). [MiTest](#) is an automated test system developed by MiCOM Labs. [MiTest](#) is the first cloud based modular test system enabling end-to-end automation of regulatory compliance testing for conducted RF testing.



The MiCOM Labs “[MiTest](#)” Automated Test System” (Patent Pending)



**Title:** Digi International Inc, XBSG  
**To:** FCC CFR 47 Part 15C 15.247 & ISED RSS-247  
**Serial #:** DIGI135-U4-FHSS Rev A - Introduction

## APPENDIX A – DECLARATION OF SIMILARITIES

Declaration of Similarities

XBee Wi-SUN RF Module  
Model: XBSG

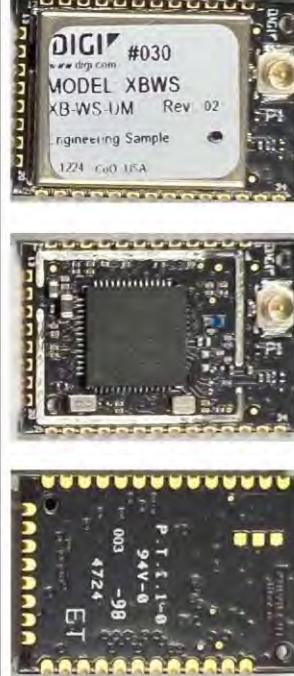
1. Company Name and trademark: Digi International Inc.



2. Date: April 7, 2025
3. Model tested at MiCOM Labs  
XB-WSB-UM-001 XBee Wi-SUN, OFDM, U.FL Antenna, MMT
4. Models within the same family with tested model. Similarities and Differences between the tested model and other models:

The XBee Wi-SUN RF modules have these specifications in common:

Specification				
RF power	FSK: 15.37 dBm EIRP	OFDM: 17.1 EIRP		
Power supply voltage (Vdc)	Min: 2.4	Typ: 3.3	Max: 3.8	
Power supply current (mA)	Max (transmit): 195			
Dimensions	MMT: 1.36 cm x 1.93 cm x 0.241 cm	SMT: 2.2 cm x 3.38 cm x 0.325 cm	TH: 2.44 cm x 2.76 cm x 0.688 cm	
Weight	MMT: 1.2 g	SMT: 3.0 g	TH: 3.0 g	

Digi part number	Description	Similarities	Photographs
XB-WSB-UM-001	XBee Wi-SUN, OFDM, U.FL Antenna, MMT	<p>XBee Wi-SUN module. U.FL connector RF output. Uses SiLabs:            EFR32FG25A221F1920IM56-B plus passives to match the 902 to 928 MHz. 5 FSK + 4 OFDM modulation.</p> <p>This module is the base component for:            XB-WSB-US-001</p>	

XB-WSB-9S-001	<p>XBee Wi-SUN, OFDM, 900 MHz Chip Antenna, SMT</p> <p>XBee Wi-SUN module. Uses SiLabs: EFR32FG25A221F1920IM56-B plus passives to match the 902 to 928 MHz band. 5 FSK + 4 OFDM modulation.</p> <p>This module contains the XB-WSB-RM-001 module. The RF output is routed to the chip antenna on the SMT carrier.</p>	
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XB-WSB-US-001	XBee Wi-SUN, OFDM, U.FL, SMT	<p>XBee Wi-SUN module. U.FL connector RF output. Uses SiLabs: EFR32FG25A221F1920IM56-B plus passives to match the 902 to 928 MHz band, 5 FSK + 4 OFDM modulation.</p> <p>This module contains the XB-WSB-UM-001, and the RF taken from the U.FL on the smaller module.</p>	
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XB-WSB-UT-001	XBee Wi-SUN, OFDM, U.FL Antenna, Through Hole	<p>XBee Wi-SUN module. U.FL connector RF output. Uses SiLabs: EFR32FG25A221F1920IM56-B plus passives to match the 902 to 928 MHz band. 5 FSK + 4 OFDM modulation.</p> <p>This module contains the XB-WSB-RM-001 module. The RF output is routed to the reverse side of the module and is available through the U.FL connector.</p>	
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5. Signature

Signature: 

Name: Erik Reynolds

Position: Dir. Test Engineering

Date: April 7, 2025



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