Company: Hewlett Packard Enterprise

Test of: APINH303
To: FCC CFR 47 Part 15.247 (DTS) & IC RSS-247

Report No.: HWPD85-U5\_Master Rev A

#### **CONDUCTED, RADIATED TEST REPORT**



### **TEST REPORT**



Test of: Hewlett Packard Enterprise APINH303 to

To: FCC CFR 47 Part 15.247 (DTS) & IC RSS-247

Test Report Serial No.: HWPD85-U5 Master Rev A

This report supersedes: NONE

As a result of the 6 Mbyte FCC file size limitation potentially large test reports require to be split into smaller components. This document is the Master document controlling Addendum reports as listed below. This Master document combined with the Addendums demonstrate compliance with the standard

Master Document Number	Addendum Reports
HWPD85-U5_Master	HWPD85-U5_Conducted
	HWPD85-U5_Radiated
	HWPD85-G4 (FCC Part 15B & ICES-003)

Applicant: Hewlett Packard Enterprise

3000 Hanover St.

Palo Alto, California 94034

**USA** 

Product Function: 802.11 a/b/g/n/ac Wireless Access

Point & BLE

Issue Date: 1st December 2016

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

MiCOM Labs, Inc.

575 Boulder Court Pleasanton California 94566 USA

Phone: +1 (925) 462-0304 Fax: +1 (925) 462-0306 www.micomlabs.com



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 17025:2005. The company is accredited by the American Association for Laboratory Accreditation (A2LA) <a href="https://www.a2la.org">www.a2la.org</a> test laboratory number 2381.01. MiCOM Labs test schedule is available at the following URL; <a href="http://www.a2la.org/scopepdf/2381-01.pdf">http://www.a2la.org/scopepdf/2381-01.pdf</a>





# **Accredited Laboratory**

A2LA has accredited

#### MICOM LABS

Pleasanton, CA

for technical competence in the field of

#### **Electrical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005

General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 4th day of February 2016.

Senior Director of Quality & Communications
For the Accreditation Council

Certificate Number 2381.01 Valid to November 30, 2017

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.



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#### 1.2. Recognition

MiCOM Labs, Inc. has widely recognized wireless testing capabilities. Our international recognition includes Conformity Assessment Body designation by APEC MRA countries. MiCOM Labs test reports are accepted globally.

Country	Recognition Body	Status	Phase	Identification No.
USA	USA Federal Communications Commission (FCC)		-	US0159 Listing #: 102167
Canada	Industry Canada (IC)	FCB	APEC MRA 2	US0159 Listing #: 4143A-2 4143A-3
Japan	MIC (Ministry of Internal Affairs and Communication)	CAB	APEC MRA 2	RCB 210
	VCCI			A-0012
Europe	European Commission	NB	EU MRA	NB 2280
Australia	Australian Communications and Media Authority (ACMA)	CAB	APEC MRA 1	
Hong Kong	Office of the Telecommunication Authority (OFTA)	CAB	APEC MRA 1	
Korea	Ministry of Information and Communication Radio Research Laboratory (RRL)	CAB	APEC MRA 1	
Singapore	Infocomm Development Authority (IDA)	CAB	APEC MRA 1	US0159
Taiwan	National Communications Commission (NCC) Bureau of Standards, Metrology and Inspection (BSMI)	CAB	APEC MRA 1	
Vietnam	Ministry of Communication (MIC)	CAB	APEC MRA 1	

EU MRA - European Union Mutual Recognition Agreement.

NB - Notified Body

APEC MRA – Asia Pacific Economic Community Mutual Recognition Agreement. Recognition agreement under which test lab is accredited to regulatory standards of the APEC member countries.

Phase I - recognition for product testing

Phase II – recognition for both product testing and certification



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#### 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) <a href="https://www.a2la.org">www.a2la.org</a> test laboratory number 2381.02. MiCOM Labs test schedule is available at the following URL; <a href="http://www.a2la.org/scopepdf/2381-02.pdf">http://www.a2la.org/scopepdf/2381-02.pdf</a>



# 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 accreditation demonstrates technical competence for a defined scope and the operation of a management system.



Presented this 4th day of February 2016.

Senior Director of Quality & Communications For the Accreditation Council

Certificate Number 2381.02 Valid to November 30, 2017

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

Japan – Recognized Certification Body (RCB), RCB Identifier - 210



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# 2. **DOCUMENT HISTORY**

	Document History						
Document	Revision	Date	Comments				
HWPD85-U5 Master	Rev A	1 <sup>st</sup> December 2016	Initial release				
HWPD85-U5 Conducted Addendum	Rev A	1 <sup>st</sup> December 2016	Initial release				
HWPD85-U5 Radiated Addendum	Rev A	1 <sup>st</sup> December 2016	Initial release				

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



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### 3. TEST RESULT CERTIFICATE

Manufacturer: Hewlett Packard Enterprise

3000 Hanover St.

Palo Alto

California 94034 USA

Telephone: +1 925 462 0304

Tested By: MiCOM Labs, Inc.

Pleasanton

Fax: +1 925 462 0306

575 Boulder Court

California 94566 USA

Type Of Equipment: 802.11a/b/g/n/ac Wireless Access

Point & BLE

S/N's: Conducted

Model: APINH303

(OFDM) Radiated

CNC7K2R07K CNC7K2R00F

**Test Date(s):** 31<sup>st</sup> October – 4<sup>th</sup> November 2016

Website: www.micomlabs.com

ACCREDITED

TESTING CERT #2381.01

#### STANDARD(S)

**TEST RESULTS** 

FCC CFR 47 Part 15.247 (DTS) & IC 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:

Gordon Hurst

President & CEO MiCOM Labs, Inc.

Graeme Grieve

Quality Manager MiCOM Labs, Inc.

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



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# 4. REFERENCES AND MEASUREMENT UNCERTAINTY

### 4.1. Normative References

REF.	PUBLICATION	YEAR	TITLE
I	KDB 662911 D01 & D02	Oct 31 2013	Guidance for measurement of output emission of devices that employ single transmitter with multiple outputs or systems with multiple transmitters operating simultaneously in the same frequency band
II	II KDB 558074 D01 8th April 2016		Guidance for performing compliance measurements on Digital Transmission Systems (DTS) operating under section 15.247.
III	A2LA	June 2015	R105 - Requirement's When Making Reference to A2LA Accreditation Status
IV	ANSI C63.10	2013	American National Standard for Testing Unlicensed Wireless Devices
V	ANSI C63.4	2014	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
VI	CISPR 22	2008	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
VII	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
VIII	FCC 47 CFR Part 15.247	2014	Radio Frequency Devices; Subpart C – Intentional Radiators
IX	ICES-003	Issue 6 Jan 2016	Spectrum Management and Telecommunications; Interference-Causing Equipment Standard. Information Technology Equipment (Including Digital Apparatus) – Limits and methods of measurement.
Х	M 3003	Edition 3 Nov.2012	Expression of Uncertainty and Confidence in Measurements
ΧI	RSS-247 Issue 1	May 2015	Digital Transmission Systems (DTSs), Frequency Hopping System (FHSs) and Licence-Exempt Local Area Network (LE-LEN) Devices
XII	RSS-Gen Issue 4	November 2014	General Requirements and Information for the Certification of Radiocommunication Equipment
XIII	KDB 644545 D03 v01	August 14th 2014	Guidance for IEEE 802.11ac New Rules
XIV	FCC 47 CFR Part 2.1033	2014	FCC requirements and rules regarding photographs and test setup diagrams.



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### 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.



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# 5. PRODUCT DETAILS AND TEST CONFIGURATIONS

### 5.1. Technical Details

Details	Description
Purpose:	Test of the Hewlett Packard Enterprise APINH303 to FCC CFR 47
·	Part 15 Subpart C 15.247 (DTS) & IC RSS-247
Applicant:	Hewlett Packard Enterprise
	3000 Hanover St., Palo Alto California 94034 USA
Manufacturer:	
Laboratory performing the tests:	
	575 Boulder Court, Pleasanton California 94566 USA
Test report reference number:	_
Date EUT received:	
	FCC CFR 47 Part 15.247 (DTS) & IC RSS-247
. ,	31st October – 4th November 2016
No of Units Tested:	
	802.11 a/b/g/n/ac & BLE Wireless Access Point
Product Family Name:	Access Point
( )	APINH303
Location for use:	Indoor
Declared Frequency Range(s):	2400 - 2483.5 MHz;
Primary function of equipment:	Transmission of voice and/ or data
Secondary function of equipment:	None Provided
Type of Modulation:	CCK, OFDM
EUT Modes of Operation:	802.11b; 802.11g; 802.11n HT-20; 802.11n HT-40;
Transmit/Receive Operation:	Transceiver - Full Duplex
Rated Input Voltage and Current:	AC/ DC adaptor (adaptor NOT sold with unit) 48Vdc
Operating Temperature Range:	Declared Range 0°C to 40°C
ITU Emission Designator:	802.11b: 13M7G1D
	802.11g: 16M4D1D
	802.11n - HT20: 17M6D1D
	802.11n - HT40: 36M0D1D
	150mm x 86mm x 38mm
	0.26kg (0.60lbs)
Hardware Rev:	
Software Rev:	QDART 1.0.36



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### 5.2. Scope Of Test Program

#### **Hewlett Packard Enterprise APINH303**

The scope of the test program was to test the Hewlett Packard Enterprise APINH303, 802.11 a/b/g/n/ac wireless access point & BLE configurations in the frequency ranges 2400 - 2483.5 MHz; for compliance against the following specification:

#### FCC CFR 47 Part 15 Subpart C 15.247 (DTS)

Radio Frequency Devices; Subpart C - Intentional Radiators

#### **Industry Canada RSS-247 Issue 1**

Digital Transmission Systems (DTSs), Frequency Hopping System (FHSs) and Licence-Exempt Local Area Network (LE-LEN) Devices





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

Туре	Description	Manufacturer	Model	Serial no.	Delivery Date
	802.11 a/b/g/n/ac Wireless Access Point & BLE	Hewlett Packard Enterprise	APINH303	CNC7K2R07K	31 <sup>st</sup> October 2016
EUT	802.11 a/b/g/n/ac/ac Wireless Access Point	Hewlett Packard Enterprise	APINH303	CNC7K2R00F	31 <sup>st</sup> October 2016
Support	Laptop PC	DELL	E7450	None	N/A

### 5.4. Antenna Details

Туре	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
integral	Aruba	Metal sheet	PCB	3.2	3.0	360	ı	2400 - 2483.5

BF Gain - Beamforming Gain Dir BW - Directional BeamWidth

X-Pol - Cross Polarization

# 5.5. Cabling and I/O Ports

Port Type	Max Cable Length	# Of Ports	Screened	Conn Type	Data Type	
Ethernet	100	3	N	RJ45	Packet Data	



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# 5.6. Test Configurations

Results for the following configurations are provided in this report:

Operational Mode(s)	Data Rate with Highest Power	Channel Frequency (MHz)			
(802.11a/b/g/n/ac)	MBit/s	Low	Mid	High	
		2400 - 2483.5 MHz			
802.11b	1.00	2412.00	2437.00	2462.00	
802.11g	6.00	2412.00	2437.00	2462.00	
802.11n HT-20	6.50	2412.00	2437.00	2462.00	
802.11n HT-40	13.50	2422.00	2437.00	2452.00	

### 5.7. Equipment Modifications

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

1. NONE

#### 5.8. <u>Deviations from the Test Standard</u>

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

1. NONE



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# 6. TEST SUMMARY

List of Measurements

Test Header	Result	Data Link		
Conducted Results	See Report HWPD85-U5_Conducted			
15.247(a)(2) 6 dB & 99% Bandwidth	Complies			
15.247(b), 15.31(e) Conducted Output Power	Complies			
15.247(d) Emissions	Complies			
(1) Conducted Emissions	Complies			
(i) Conducted Spurious Emissions	Complies			
(ii) Conducted Band-Edge Emissions	Complies			
15.247(e) Power Spectral Density	Complies			
Radiated Emissions	See Report HWPD85-U5_Radiated			
(i) 15.205 Restricted Band Emissions	Complies			
(ii) 15.205 Restricted Band-Edge Emissions	Complies			
Digital Emissions	See Report ARUB20	4-G4 Part 15B & ICES-003		
(3) 15.209 Digital Emissions (0.03 - 1 GHz)	Complies			
AC Wireline	See Report ARUB20	04-G4 Part 15B & ICES-003		
15.207 AC Wireline Emissions	Complies			



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### 7. TEST EQUIPMENT CONFIGURATION(S)

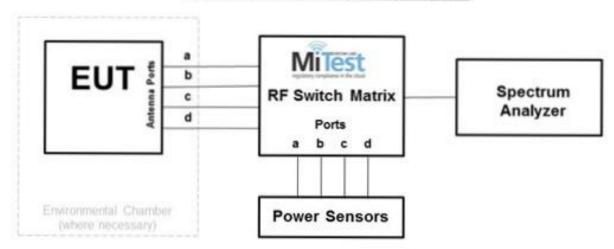
#### 7.1. Conducted

Conducted RF Emission Test Set-up(s)

The following tests were performed using the conducted test set-up shown in the diagram below.

- 1. 6 dB & 99% Bandwidth
- 2. Average Output Power
- 3. Power Spectral Density- Average
- 4. Conducted Low Band-Edge Emission Average
- 5. Conducted Spurious Emissions Average
- 6. Conducted High Band-Edge Emission Average

### MiTest MiCOM Labs Automated Test System



# Conducted Test Measurement Setup

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



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Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
127	Power Supply	HP	6674A	US36370530	Cal when used
158	Barometer/Thermometer	Control Company	4196	E2846	01 Dec 2016
248	Resistance Thermometer	Thermotronics	GR2105-02	9340 #1	21 Oct 2017
287	Rohde & Schwarz 40 GHz Receiver	Rhode & Schwarz	ESIB40	100201	02 May 2017
376	USB 10MHz - 18GHz Average Power Sensor	Agilent	U2000A	MY51440005	23 Oct 2017
378	Rohde & Schwarz 40 GHz Receiver with Generator	Rhode & Schwarz	ESIB40	100107/040	04 Aug 2017
381	4x4 RF Switch Box	MiCOM Labs	MiTest RF Switch Box	MIC002	18 Nov 2016
419	Laptop with Labview Software	Lenova	W520	TS02	Not Required
420	USB to GPIB Interface	National Instruments	GPIB-USB HS	1346738	Not Required
440	USB Wideband Power Sensor	Boonton	55006	9178	25 Dec 2016
442	USB Wideband Power Sensor	Boonton	55006	9181	06 Oct 2017
445	PoE Injector	D-Link	DPE-101GL	QTAH1E2000625	Not Required
460	Dell Computer	Dell	Optiplex330	BC944G1	Not Required
461	Spectrum Analyzer	Agilent	E4440A	MY46185537	13 Aug 2017
493	USB Wideband Power Sensor	Boonton	55006	9634	10 Mar 2017
494	USB Wideband Power Sensor	Boonton	55006	9726	10 Mar 2017
74	Environmental Chamber Chamber 3	Tenney	TTC	12808-1	29 Sep 2017
RF#2 GPIB#1	GPIB cable to Power Supply	HP	GPIB	None	Not Required
RF#2 SMA#1	EUT to Mitest box port 1	Flexco	SMA Cable port1	None	18 Nov 2016
RF#2 SMA#2	EUT to Mitest box port 2	Flexco	SMA Cable port2	None	18 Nov 2016
RF#2 SMA#3	EUT to Mitest box port 3	Flexco	SMA Cable port3	None	18 Nov 2016
RF#2 SMA#4	EUT to Mitest box port 4	Flexco	SMA Cable port4	None	18 Nov 2016
RF#2 SMA#SA	Mitest box to SA	Flexco	SMA Cable SA	None	18 Nov 2016
RF#2 USB#1	USB Cable to Mitest Box	Dynex	USB Cable	None	Not Required



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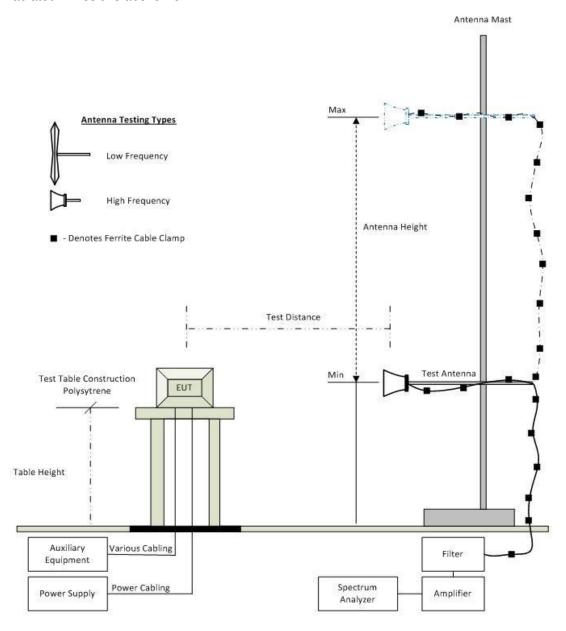
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### 7.2. Radiated Emissions - 3m Chamber

The following tests were performed using the radiated test set-up shown in the diagram below.

Radiated emissions below 1GHz. Radiated Emissions above 1GHz.



**Radiated Emission Test Setup** 



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

Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
158	Barometer/Thermometer	Control Company	4196	E2846	01 Dec 2016
170	Video System Controller for Semi Anechoic Chamber	Panasonic	WV-CU101	04R08507	Not Required
287	Rohde & Schwarz 40 GHz Receiver	Rhode & Schwarz	ESIB40	100201	02 May 2017
301	5470 to 5725 MHz Notch Filter	Microtronics	RBC50704	001	16 Aug 2017
302	5150 to 5350 MHz Notch Filter	Microtronics	BRC50703	002	16 Aug 2017
303	5725 to 5875 MHz Notch filter	Microtronics	BRC50705	003	16 Aug 2017
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	26 Sep 2017
338	Sunol 30 to 3000 MHz Antenna	Sunol	JB3	A052907	15 Aug 2017
341	900MHz Notch Filter	EWT	EWT-14-0199	H1	16 Aug 2017
342	2.4 GHz Notch Filter	EWT	EWT-14-0203	H1	16 Aug 2017
343	5.15 GHz Notch Filter	EWT	EWT-14-0200	H1	16 Aug 2017
344	5.35 GHz Notch Filter	EWT	EWT-14-0201	H1	16 Aug 2017
345	5.46 GHz Notch Filter	EWT	EWT-14-0202	H1	16 Aug 2017
346	1.6 TO 10GHz High Pass Filter	EWT	EWT-57-0112	H1	16 Aug 2017
373	26III RMS Multimeter	Fluke	Fluke 26 series III	76080720	26 Oct 2017
377	Band Rejection Filter 5150 to 5880MHz	Microtronics	BRM50716	034	16 Aug 2017
378	Rohde & Schwarz 40 GHz Receiver with Generator	Rhode & Schwarz	ESIB40	100107/040	04 Aug 2017
393	DC - 1050 MHz Low Pass Filter	Microcircuits	VLFX-1050	N/A	16 Aug 2017
396	2.4 GHz Notch Filter	Microtronics	BRM50701	001	16 Aug 2017
397	Amp 10 - 2500MHz	MiCOM Labs	Amp 10 - 2500 MHz	NA	09 Jun 2017
399	ETS 1-18 GHz Horn Antenna	ETS	3117	00154575	10 Jan 2017
406	Amplifier for Radiated Emissions	MiCOM Labs	40dB 1 to 18GHz Amp	0406	09 Jun 2017
410	Desktop Computer	Dell	Inspiron 620	WS38	Not Required



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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
414	DC Power Supply 0-60V	HP	6274	1029A01285	Cal when used
415	Turntable Controller	Sunol Sciences	Turntable Controller	None	Not Required
416	Gigabit ethernet filter	ETS-Lingren	Gigafoil 260366	None	Not Required
447	Rad Emissions Test Software	MiCOM	Rad Emissions Test Software Version 1.0.109	447	Not Required
462	Schwarzbeck cable from Antenna to Amplifier.	Schwarzbeck	AK 9513	462	31 May 2017
463	Schwarzbeck cable from Amplifier to Bulkhead.	Schwarzbeck	AK 9513	463	31 May 2017
464	Schwarzbeck cable from Bulkhead to Receiver	Schwarzbeck	AK 9513	464	31 May 2017
465	Low Pass Filter DC- 1000 MHz	Mini-Circuits	NLP-1200+	VUU01901402	02 Jun 2017
466	Low Pass Filter DC- 1500 MHz	Mini-Circuits	NLP-1750+	VUU10401438	02 Jun 2017
467	2495 to 2650 MHz notch filter	MicroTronics	BRM50709	011	16 Aug 2017
468	Low pass filter	Mini Circuits	SLP-550	None	16 Aug 2017
469	Low pass filter	Mini Circuit	SLP-1000	None	16 Aug 2017
470	High Pass filter	Mini Circuits	SHP-700	None	16 Aug 2017
476	Low Pass dc-2200MHz filter	Mini Circuits	15542 NLP- 2400+	VUU13801345	16 Aug 2017
480	Cable - Bulkhead to Amp	SRC Haverhill	157-157- 3050360	480	02 Jun 2017
481	Cable - Bulkhead to Receiver	SRC Haverhill	151-151- 3050787	481	02 Jun 2017
482	Cable - Amp to Antenna	SRC Haverhill	157-157- 3051574	482	02 Jun 2017
502	Test Software for Radiated Emissions	EMISoft	Vasona	Version 5 Build 59	Not Required
87	Uninterruptible Power Supply	Falcon Electric	ED2000-1/2LC	F3471 02/01	Cal when used
VLF-1700	Low pass filter DC-1700 MHz	Mini Circuits	VLF-1700	None	31 May 2017



**To:** FCC CFR 47 Part 15.247 (DTS) & IC RSS-247

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**Issue Date:** 1<sup>st</sup> December 2016

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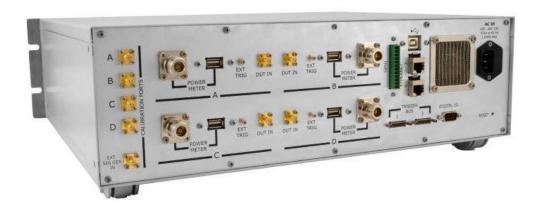
### 8. MEASUREMENT AND PRESENTATION OF TEST DATA

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 <u>MiTest</u>. <u>MiTest</u> is an automated test system developed by MiCOM Labs. <u>MiTest</u> 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)



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