



REGULATORY COMPLIANCE TEST REPORT

FCC CFR 47 15.407, RSS-247 Issue 2

Report No.: MIKO101-U17_Master Rev A

Company: Mikrotikls SIA (MikroTik)

Model Name: RBD23UGS-5HPacD2HnD-NM-US,
RBD22UGS-5HPacD2HnD-15S-US



REGULATORY COMPLIANCE TEST REPORT

Company: Mikrotikls SIA (MikroTik)

Model Name: RBD23UGS-5HPacD2HnD-NM-US, RBD22UGS-5HPacD2HnD-15S-US

To: FCC CFR 47 Part 15 Subpart E 15.407

Test Report Serial No.: MIKO101-U17_Master Rev A

This report supersedes: NONE

Applicant: Mikrotikls SIA (MikroTik)
Brivibas gatve 214i
Riga, LV-1039
Latvia

Issue Date: 17th September 2020

Master Document Number	Addendum Reports
MIKO101-U17_Master	MIKO101-U17_Conducted
	MIKO101-U17_Radiated
	MIKO101-U17_DFS

This Test Report is Issued Under the Authority of:

MiCOM Labs, Inc.
575 Boulder Court
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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 17025:2017. The company is accredited by the American Association for Laboratory Accreditation (A2LA) 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 has widely recognized wireless testing and certification capabilities. In addition to being recognized for Testing and Certification under Phase 2 agreements with Canada, Europe and Japan, our international recognition includes Conformity Assessment Body designation under Phase 1 agreements with APEC MRA countries. 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			
Europe	European Commission	NB	EU MRA 2	NB 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)			

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.

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



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



Title: MikroTikls SIA RBD23UGS-5HPacD2HnD-NM-US,
RBD22UGS-5HPacD2HnD-15S-US
To: FCC 15.407 & RSS-247
Serial #: MIKO101-U17_Master Rev A

2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	11th September 2020	Draft report for client review.
Rev A	17 th September 2020	Initial release.
.		

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



Title: MikroTikls SIA RBD23UGS-5HPacD2HnD-NM-US,
RBD22UGS-5HPacD2HnD-15S-US
To: FCC 15.407 & RSS-247
Serial #: MIKO101-U17_Master Rev A

3. TEST RESULT CERTIFICATE

Manufacturer: Mikrotikls SIA (MikroTik)
Brivibas gatve 214i
Riga, LV-1039
Latvia

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

Model: RBD23UGS-5HPacD2HnD-NM-US,
RBD22UGS-5HPacD2HnD-15S-US

Telephone: +1 925 462 0304

Type Of Equipment: Access Point

Fax: +1 925 462 0306

S/N's: CB6F0C7FB1DD/019,
BF5A0B1A0E76/008

Test Date(s): 11 - 18 August 2020

Website: www.micomlabs.com

STANDARD(S)

FCC CFR 47 Part 15.407 and ISED RSS-247

TEST RESULTS

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:



Graeme Grieve
Quality Manager MiCOM Labs, Inc.

Gordon Hurst
President & CEO MiCOM Labs, Inc.

Issue Date: 17th September 2020

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MiCOM Labs, 575 Boulder Court, Pleasanton, California 94566 USA, Phone: +1 (925) 462 0304, Fax: +1 (925) 462 0306, www.micomlabs.com

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	KDB 905462 D07 v02	22nd August 2016	Test guidance to demonstrate compliance for U-NII devices subject to DFS requirements.
III	KDB 926956 D01 v02	22nd August 2016	U-NII Device Transition Plan
IV	A2LA	October 2019	R105 - Requirement's When Making Reference to A2LA Accreditation Status
V	ANSI C63.10	2013	American National Standard for Testing Unlicensed Wireless Devices
VI	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
VII	CISPR 32	2015	Electromagnetic compatibility of multimedia equipment - Emission requirements
VIII	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
IX	FCC 06-96	Jun 30 2006	Memorandum Opinion and Order
X	FCC 47 CFR Part 15.407	2020	Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
XI	ICES-003	Issue 6 Jan 2016; Updated April 2019	Information Technology Equipment (Including Digital Apparatus) – Limits and methods of measurement.
XII	M 3003	Edition 3 Nov.2012	Expression of Uncertainty and Confidence in Measurements
XIII	RSS-247 Issue 2	Feb 2017	Digital Transmission Systems (DTSS), Frequency Hopping System (FHSs) and Licence-Exempt Local Area Network (LE-LEN) Devices
XIV	RSS-Gen Issue 5	March 2019 Amendment 1	General Requirements for Compliance of Radio Apparatus
XV	FCC 47 CFR Part 2.1033	2020	FCC requirements and rules regarding photographs and test setup diagrams.
XVI	KDB 905462 D02 v02	April 8 2016	Compliance Measurement Procedures for Unlicensed National Information Infrastructure devices operating in the 5250 to 5350 MHz and 5470 to 5725 MHz bands incorporating Dynamic Frequency Selection.
XVII	KDB 789033 D02 V02r01	14th December, 2017	Guidelines For Compliance Testing Of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E

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 Mikrotikls SIA (MikroTik) Models RBD23UGS-5HPacD2HnD-NM-US, RBD22UGS-5HPacD2HnD-15S-US, to FCC CFR 47 Part 15 Subpart E 15.407 and ISED RSS-247 Issue 2.
Applicant:	Mikrotikls SIA (MikroTik) Brivibas gatve 214i Riga LV-1039 Latvia
Manufacturer:	Mikrotikls SIA (MikroTik)
Laboratory performing the tests:	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Test report reference number:	MIKO101-U17 Master Rev A
Date EUT received:	5 th August 2020
Standard(s) applied:	FCC CFR 47 Part 15 Subpart E 15.407 ISED RSS-247
Dates of test (from - to):	11 - 18 August 2020
No of Units Tested:	2
Product Family Name:	NetMetal ac ²
Model(s):	RBD23UGS-5HPacD2HnD-NM-US, RBD22UGS-5HPacD2HnD-15S-US
Location for use:	Outdoors
Declared Frequency Range(s):	5250 - 5350 MHz; 5470 - 5725 MHz
Type of Modulation:	OFDM
EUT Modes of Operation:	5250 - 5350 MHz: a; ac-80; HT-20; HT-40; 5470 - 5725 MHz: a; ac-80; HT-20; HT-40;
Declared Nominal Output Power (dBm):	20 dBm
Transmit/Receive Operation:	Transceiver
Rated Input Voltage and Current:	100-240VAC 50/60Hz, 1.2A 24VDC, 1.2A
Operating Temperature Range:	-40 - 70
ITU Emission Designator:	802.11a 16M4D1D 802.11n – HT-20 18M6D1D 802.11n – HT-40 36M2D1D
Equipment Dimensions:	143 / 247 / 48 mm
Weight:	0.8 kg
Hardware Rev:	r1
Software Rev:	6.47beta51



Title: MikroTikls SIA RBD23UGS-5HPacD2HnD-NM-US,
RBD22UGS-5HPacD2HnD-15S-US
To: FCC 15.407 & RSS-247
Serial #: MIKO101-U17_Master Rev A

5.2. Scope Of Test Program

Mikrotikls SIA (MikroTik) RBD23UGS-5HPacD2HnD-NM-US, RBD22UGS-5HPacD2HnD-15S-US

The scope of the test program was to test the Mikrotikls SIA (MikroTik) Models RBD23UGS-5HPacD2HnD-NM-US, RBD22UGS-5HPacD2HnD-15S-US in the frequency ranges; 5250 - 5350 MHz; 5470 - 5725 MHz for compliance against the following specification:

FCC CFR 47 Part 15 Subpart E 15.407

Compliance Measurement Procedures for Unlicensed National Information Infrastructure devices operating in the 5250 to 5350 MHz and 5470 to 5725 MHz bands incorporating Dynamic Frequency Selection.

RSS-247 Issue 2

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

The UI software (Winbox) used during this test program has a Default power setting which was used for different antennas gains as reported in the addendum report "MIKO101-U17_Conducted & MIKO101-U17_Radiated". This "setting" is a predetermined load out for a specific antenna gain.

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

Type (EUT/Support)	Equipment Description	Mfr.	Model No.	Serial No.
EUT	Access Point	MikroTik	RBD23UGS-5HPacD2HnD-NM-US	CB6F0C7FB1DD/019
EUT	Access Point	MikroTik	RBD23UGS-5HPacD2HnD-NM-US	BF5A0B1A0E76/008
EUT	AC/DC adaptor	CullPower	SAW30-240-1200U	--
Support	Laptop PC 1	Dell	Latitude	None

5.4. Antenna Details

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
external	MikroTik	HGO-antenna-OUT	OMNI	7.0	-	360	-	5250 - 5350
external	MikroTik	HGO-antenna-OUT	OMNI	7.0	-	360	-	5470 - 5725
external	MikroTik	MTAS-5G-15D120	Directional	15.0	-	120	-	5250 - 5350
external	MikroTik	MTAS-5G-15D120	Directional	15.0	-	120	-	5470 - 5725
external	MikroTik	MTAS-5G-19D120	Directional	19.0	-	120	-	5250 - 5350
external	MikroTik	MTAS-5G-19D120	Directional	19.0	-	120	-	5470 - 5725

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	Connector Type	Data Type	Data Rate(s)
Ethernet PoE IN	>3m	1	No	RJ45	POE	10,100,1000

5.6. Test Configurations

Results for the following configurations are provided in this report:

Operational Mode(s) (802.11a/b/g/n/ac)	Data Rate with Highest Power MBit/s	Channel Frequency (MHz)		
		Low	Mid	High
5250 - 5350 MHz				
a	6	5,260.00	5,300.00	5,320.00
ac-80	29.3	--	--	5,290.00
HT-20	6.5	5,260.00	5,300.00	5,320.00
HT-40	13.5	5,270.00	--	5,310.00
5470 - 5725 MHz				
a	6	5,500.00	5,580.00	5,720.00
ac-80	29.3	5,530.00	5,610.00	5,690.00
HT-20	6.5	5,500.00	5,580.00	5,720.00
HT-40	13.5	5,510.00	5,550.00	5,710.00

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

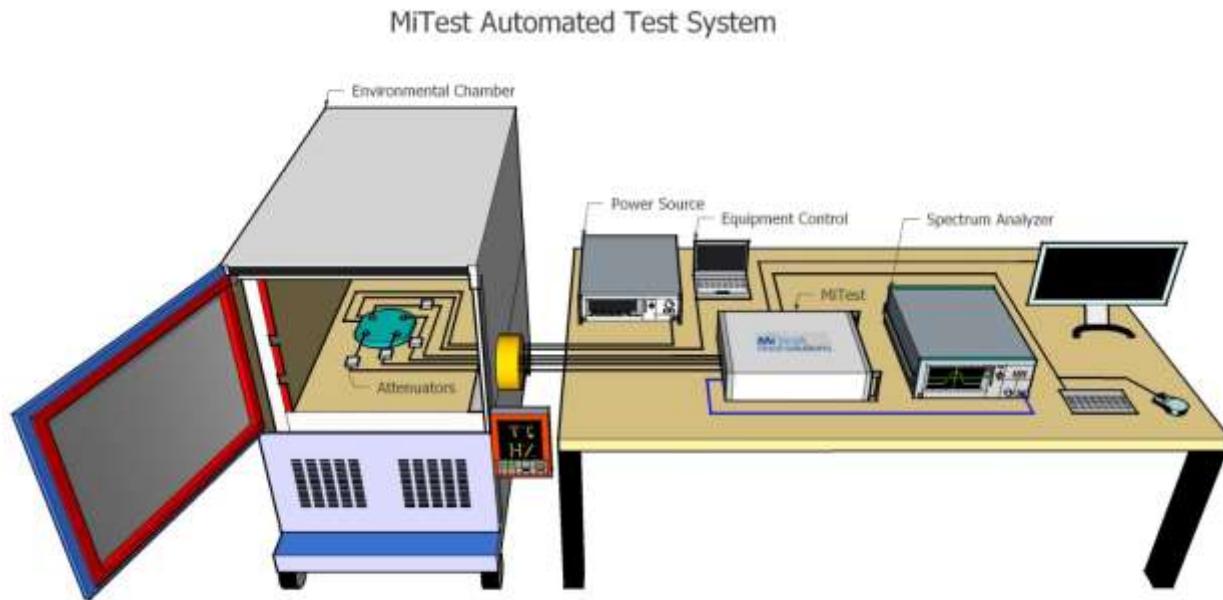
List of Measurements

Test Header	Result	Addendum Report
Peak Transmit Power	Complies	MIKO101-U17_Conducted
26 dB & 99% Bandwidth	Complies	MIKO101-U17_Conducted
Power Spectral Density	Complies	MIKO101-U17_Conducted
*Transmit Power Control (TPC)	Not Tested	-
Dynamic Frequency Selection (DFS)	Complies	MIKO101-U17_DFS
Channel Availability Check	Complies	MIKO101-U17_DFS
Initial CAC	Complies	MIKO101-U17_DFS
Beginning CAC	Complies	MIKO101-U17_DFS
End CAC	Complies	MIKO101-U17_DFS
Channel Close / Transmission Time	Complies	MIKO101-U17_DFS
Non-Occupancy Period	Complies	MIKO101-U17_DFS
Probability of Detection	Complies	MIKO101-U17_DFS
Detection Bandwidth	Complies	MIKO101-U17_DFS
Radiated	Complies	MIKO101-U17_Radiated
TX Spurious & Restricted Band Emissions	Complies	MIKO101-U17_Radiated
MikroTik HGO-antenna-OUT	Complies	MIKO101-U17_Radiated
MikroTik MTAS-5G-19D120	Complies	MIKO101-U17_Radiated
Restricted Edge & Band-Edge Emissions	Complies	MIKO101-U17_Radiated
MikroTik HGO-antenna-OUT	Complies	MIKO101-U17_Radiated
MikroTik MTAS-5G-19D120	Complies	MIKO101-U17_Radiated

* RBD23UGS-5HPacD2HnD-NM-US, RBD22UGS-5HPacD2HnD-15S-US does not use Transmit Power Control (TPC) and as a result the EIRP limit is below 27 dBm or lower where applicable.

7. TEST EQUIPMENT CONFIGURATION(S)

7.1. Conducted



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
#3 SA	MiTest Box to SA	Fairview Microwave	SCA1814-0101-72	#3 SA	28 Sep 2020
#3P1	EUT to MiTest box port 1	Fairview Microwave	SCA1814-0101-72	#3P1	28 Sep 2020
#3P2	EUT to MiTest box port 2	Fairview Microwave	SCA1814-0101-72	#3P2	28 Sep 2020
#3P3	EUT to MiTest box port 3	Fairview Microwave	SCA1814-0101-72	#3P3	28 Sep 2020
#3P4	EUT to MiTest box port 4	Fairview Microwave	SCA1812-0101-72	#3P4	28 Sep 2020
249	Thermocouple; Resistance Thermometer	Thermotronics	GR2105-02	9340 #2	30 Oct 2020
287	Rohde & Schwarz 40 GHz Receiver	Rhode & Schwarz	ESIB40	100201	8 Oct 2020
378	Rohde & Schwarz 40 GHz Receiver with Generator	Rhode & Schwarz	ESIB40	100107/040	12 Oct 2020
398	MiTest RF Conducted Test Software	MiCOM	MiTest ATS	Version 4.1	Not Required
405	DC Power Supply 0-60V	Agilent	6654A	MY4001826	Cal when



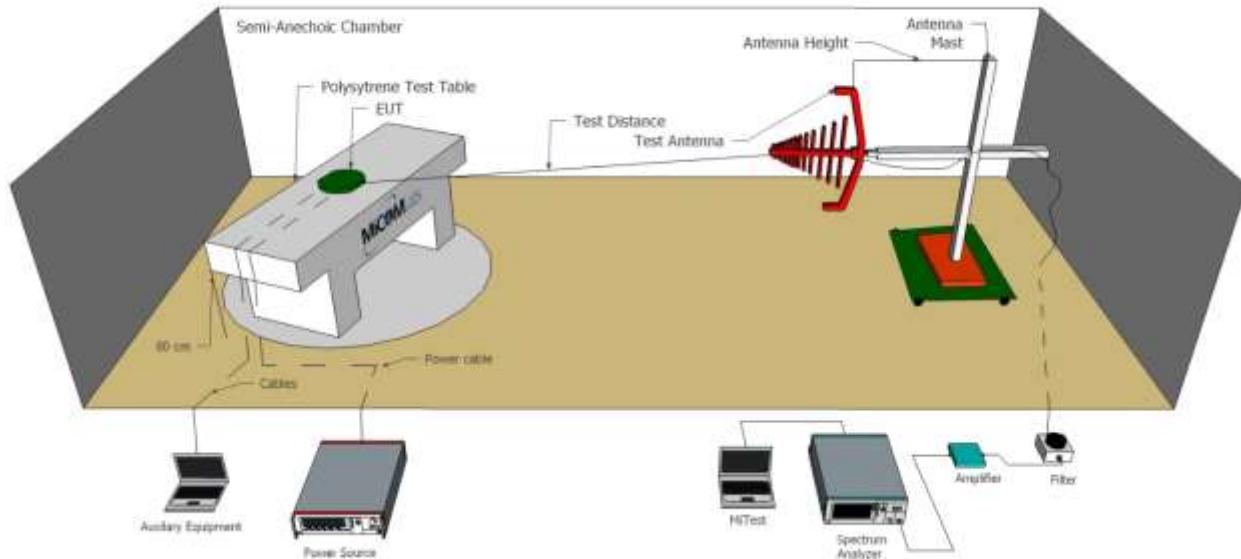
Title: MikroTikls SIA RBD23UGS-5HPacD2HnD-NM-US,
RBD22UGS-5HPacD2HnD-15S-US
To: FCC 15.407 & RSS-247
Serial #: MIKO101-U17_Master Rev A

					used
408	USB to GPIB interface	National Instruments	GPIB-USB HS	14C0DE9	Not Required
440	USB Wideband Power Sensor	Boonton	55006	9178	22 Sep 2020
441	USB Wideband Power Sensor	Boonton	55006	9179	20 Sep 2020
442	USB Wideband Power Sensor	Boonton	55006	9181	19 Sep 2020
445	PoE Injector	D-Link	DPE-101GL	QTAH1E2000625	Not Required
461	Spectrum Analyzer	Agilent	E4440A	MY46185537	20 Sep 2020
510	Barometer/Termometer	Control Company	68000-49	170871375	20 Dec 2020
515	MiTest Cloud Solutions RF Test Box	MiCOM	2nd Gen with DFS	515	28 Sep 2020
534	Power Sensor 50 GHz - 70dBm to +20dBm	R&S	NRP50SN	1419.0093K02-100888-SB	26 Feb 2021
75	Environmental Chamber	Thermatron	SE-300-2-2	27946	20 Feb 2021

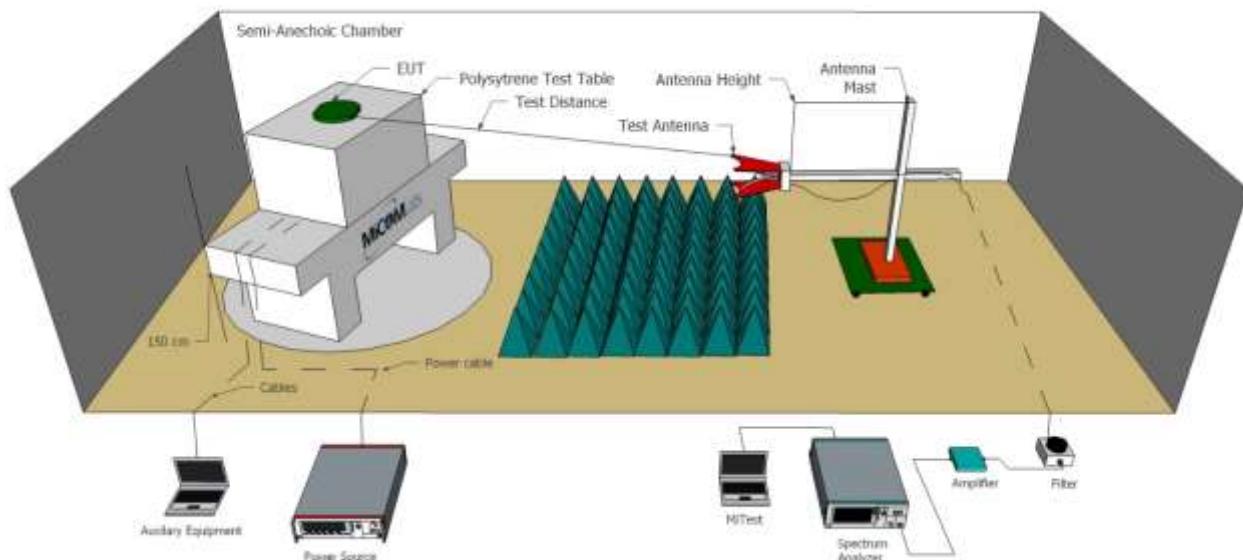
7.2. Radiated Emissions

The following tests were performed using the radiated test set-up shown in the diagram. Radiated emissions below 1GHz.Radiated Emissions above 1GHz.

Radiated Emissions Below 1GHz Test Setup



Radiated Emissions Above 1GHz Test 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
170	Video System Controller for Semi Anechoic Chamber	Panasonic	WV-CU101	04R08507	Not Required
287	Rohde & Schwarz 40 GHz Receiver	Rhode & Schwarz	ESIB40	100201	8 Oct 2020
298	3M Radiated Emissions Chamber Maintenance Check	MiCOM	3M Chamber	298	26 Nov 2020
301	5470 to 5725 MHz Notch Filter	Microtronics	RBC50704	001	4 Oct 2020
302	5150 to 5350 MHz Notch Filter	Microtronics	BRC50703	002	4 Oct 2020
303	5725 to 5875 MHz Notch filter	Microtronics	BRC50705	003	4 Oct 2020
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	29 Nov 2020
338	Sunol 30 to 3000 MHz Antenna	Sunol	JB3	A052907	4 Apr 2021
373	26III RMS Multimeter	Fluke	Fluke 26 series III	76080720	21 Sep 2020
378	Rohde & Schwarz 40 GHz Receiver with Generator	Rhode & Schwarz	ESIB40	100107/040	12 Oct 2020
396	2.4 GHz Notch Filter	Microtronics	BRM50701	001	4 Oct 2020
397	Amp 10 - 2500MHz	MiCOM Labs	Amp 10 - 2500 MHz	NA	9 Oct 2020
399	ETS 1-18 GHz Horn Antenna	ETS	3117	00154575	12 Oct 2020
406	Amplifier for Radiated Emissions	MiCOM Labs	40dB 1 to 18GHz Amp	0406	9 Oct 2020
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
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	MiTest Rad Emissions Test Software	MiCOM	Rad Emissions Test Software Version 1.0	447	Not Required
462	Schwarzbeck cable from	Schwarzbeck	AK 9513	462	4 Oct 2020

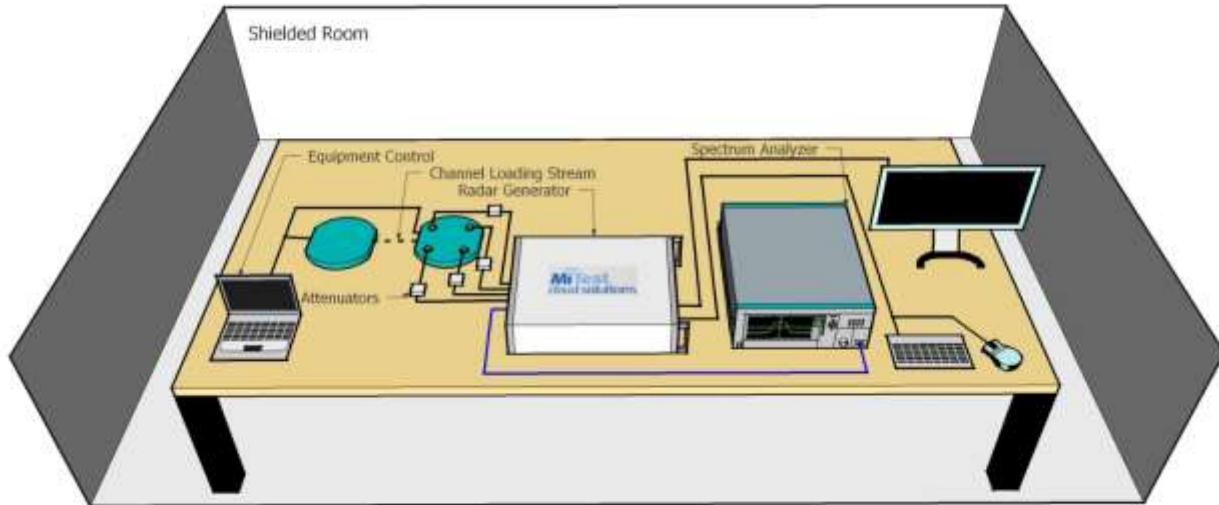


Title: MikroTikls SIA RBD23UGS-5HPacD2HnD-NM-US,
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	Antenna to Amplifier.				
463	Schwarzbeck cable from Amplifier to Bulkhead.	Schwarzbeck	AK 9513	463	4 Oct 2020
464	Schwarzbeck cable from Bulkhead to Receiver	Schwarzbeck	AK 9513	464	4 Oct 2020
468	Low pass filter	Mini Circuits	SLP-550	None	4 Oct 2020
469	Low pass filter	Mini Circuit	SLP-1000	None	4 Oct 2020
470	High Pass filter	Mini Circuits	SHP-700	None	4 Oct 2020
476	Low Pass dc-2200MHz filter	Mini Circuits	15542 NLP-2400+	VUU13801345	4 Oct 2020
480	Cable - Bulkhead to Amp	SRC Haverhill	157-3050360	480	4 Oct 2020
481	Cable - Bulkhead to Receiver	SRC Haverhill	151-3050787	481	4 Oct 2020
510	Barometer/Thermometer	Control Company	68000-49	170871375	20 Dec 2020
518	Cable - Amp to Antenna	SRC Haverhill	157-3051574	518	4 Oct 2020
87	Uninterruptible Power Supply	Falcon Electric	ED2000-1/2LC	F3471 02/01	Cal when used

7.3. DFS - Conducted

Dynamic Frequency Selection (DFS) - Conducted



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.

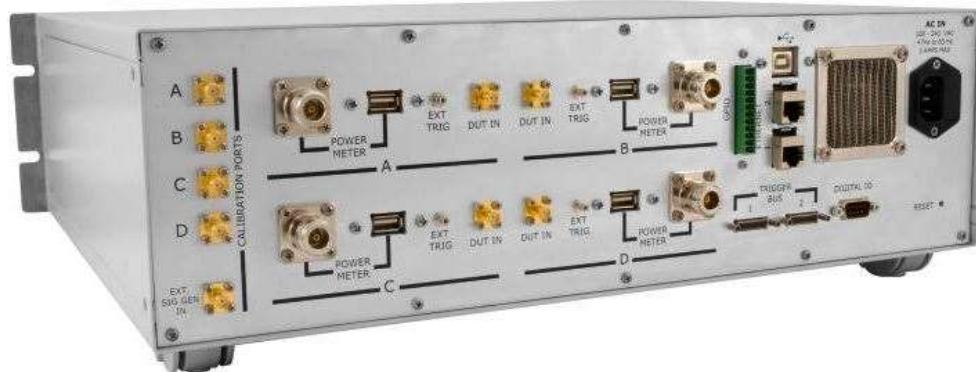
Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
504	MiTest Cloud Solutions RF Test Box	MiCOM	2nd Gen	504	28 Sep 2020
510	Barometer/Thermometer	Control Company	68000-49	170871375	20 Dec 2020
533	MiTest DFS Test Software	MiCOM	MiTest DFS Test software Version 2.8	533	Not Required
71	Spectrum Analyser 9KHz-50GHz	HP	8565E	3425A00181	Not Required
DFS SMA#1	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#2	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#3	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#4	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used

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)



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