CERTIFICATE of COMPLIANCE

Certificate Validation

CERTIFICATE OF COMPLIANCE

R210-222428 / *8 Feb 2024* / Rev A

for Radio Equipment in JAPAN

MiCOM Labs Inc. declares, on the basis of the assessment of the tests and the technical documentation provided by the applicant that the following product complies with the requirements of the above noted regulator.

Product Name:
M7E-HECTO

Approval Holder Name:
Novanta Corporation

MICOM Labs, Inc. INCORPORATED JAN. 25, 2002 CALIFORNIA

Gordon Hurst, Product Certifier

This Certificate is Issued under the Authority of:
MiCOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA
Registered Certification Body ID Number: 210

Doc - Cert v2.5q

CERTIFICATE OF

R210-222428 / *8 Feb 2024* / Rev A

for Radio Equipment in JAPAN

Product Name:

M7E-HECTO

Product Model Numbers: **M7E-HECTO**

Brand Name: **ThingMagic**

Approval Holder: **Novanta Corporation**, 125 Middlesex Turnpike, Bedford, Massachusetts, 01730-1409, USA

Test Lab: **MiCOM Labs**, 575 Boulder Court, Pleasanton, California, 94566, USA

Standards

Group
Article 2 paragraph 1 item (6)-2

Description of Apparatus

Company Name	**Novanta Corporation**
Certification No.	**R210-222428**
Issue Date / Rev	**8 Feb 2024 / Rev A**
Equipment Description	**UHF RAIN RFID MODULE**
Brand Name	**ThingMagic**
Hardware Version	**C**
Firmware Version	**2.1.3.22**

Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
PR-ASK	916.8MHz	920.8MHz	67K4K1D	--	--	--	--	495.2mW

Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
Extemal (Custom)	Sato	RFL-HT00	1.87	900 - 928
External (5“ Long Range Transmitter and Receiver)	ONDEMAN LABORATORY	xls-713	1.5	900 - 928
External (5“ Long Range Transmitter and Receiver)	ONDEMAN LABORATORY	xls-921	-1.9	900 - 928
External (Active Monopole)	BAISHUILAI	BSL5040A5	1.5	900 - 928
External (Cable)	RFMAX	RCA-F3MM-2.5M	-7.0	900 - 928
External (Cable)	RFMAX	RCA-F3MM-1.5M	-7.0	900 - 928

CERTIFICATE OF

R210-222428 / *8 Feb 2024* / Rev A

for Radio Equipment in JAPAN

Antennas - continued

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
External (Cable)	NISSEI	FMM800W-4T-5M-R	-1.66	900 - 928
External (Cable)	NISSEI	FMM800W-4T-10M-R	-4.91	900 - 928
External (Cable)	NISSEI	FMM800W-4T-15M-R	-8.16	900 - 928
External (Circular Polarized Flat Panel UHF RFID)	Times-7	A6011	11.0	900 - 930
External (Circular Polarized RFID)	Times-7	A5531-E	10.0	900 - 930
External (Circular Polarized RFID)	Times-7	RTAS	10.0	900 - 930
External (Circular Polarized UHF RFID)	Times-7	A6031	4.0	900 - 930
External (Circular Polarized UHF RFID)	Times-7	A4030C	6.5	900 - 930
External (Circular Polarized UHF RFID)	Times-7	A6034	9.0	900 - 930
External (Circular Polarized UHF RFID)	Times-7	A6034S	9.0	900 - 930
External (Circular Polarized UHF RFID)	Times-7	B6034	9.0	900 - 930
External (Circular Polarized UHF Shelf)	Times-7	A7030C	6.0	900 - 930
External (Circular Polarized UHF)	Times-7	B6034S	9.0	900 - 930
External (Custom)	Sato	H03457900 SRA Coupler_REV1.0	-41.97	900 - 928
External (Custom)	Sato	H03511900 UHF Front Coupler_REV1.0	-33.82	900 - 928
External (Custom)	Sato	H0272000 Coupler_V12 UHF-REV1.0	-22.74	900 - 928
External (Custom)	Sato	H01845000 STB-V6-REV1.0	-21.36	900 - 928
External (Custom)	Sato	RFL-UC00	-2.61	900 - 928
External (Dipole)	Panasonic	MTKB000591AA	-10.0	916.8 - 923.4
External (Dipole)	Panasonic	MTKB000592AA	-18.0	916.8 - 923.4
External (Ground UHF RFID)	Times-7	A6590L	10.0	900 - 930
External (Indoor RFID)	Times-7	A1001	-20.0	900 - 930
External (Indoor RFID)	Times-7	A1030	-15.0	900 - 930
External (Linear Polarization UHF RFID Shelf)	Times-7	A7075	10.0	900 - 930
External (Linear Polarized UHF RFID Shelf)	Times-7	A8060	5.0	900 - 930
External (Linear Polarized UHF RFID)	Times-7	A4030L	7.5	900 - 930
External (Linearly Polarized Panel)	Laird	PAV9020H-91NM	9.0	900 - 928
External (Microstrip)	Centurion	IF900	3.0	900 - 928
External (Multi-polarized)	Sato	MP-164	3.0	900 - 928
External (Multi-polarized)	Sato	MP-104	3.0	900 - 928
External (Multi-polarized)	Sato	MP-100	3.0	900 - 928
External (Multi-purpose RFID)	Times-7	A7040	7.5	900 - 930
External (Near Field)	MAC Technologies	MNFA 1004-900	-20.0	900 - 928
External (Outdoor Circularly Polarized RFID)	Times-7	A5010	8.5	900 - 930
External (Random Pulses, Shared)	Times-7	A3030	7.0	900 - 930

CERTIFICATE OF

R210-222428 / *8 Feb 2024* / Rev A

for Radio Equipment in JAPAN

Antennas - continued

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
External (RFID UHF Wide Beam)	Keonn	Advantenna-p11	3.3	900 - 928
External (RFID UHF Wide Beam)	Keonn	Advantenna-p12	5.3	900 - 928
External (RFID UHF Wide Beam)	Keonn	Advantenna-p13	6.9	900 - 928
External (RFID UHF Wide Beam)	Keonn	Advantenna-p14	8.1	900 - 928
External (RFID UHF Wide Beam)	Keonn	Advantenna-p16	7.5	900 - 928
External (RFID UHF Wide Beam)	Keonn	Advantenna-p22	9.6	900 - 928
External (RFID UHF Wide Beam)	Keonn	Advantenna-p33	0.2	900 - 928
External (RFID UHF Wide Beam)	Keonn	Advantenna-CP11	2.0	900 - 928
External (RFID UHF Wide Beam)	Keonn	Advantenna-L11	8.3	900 - 928
External (RFID UHF Wide Beam)	Keonn	Advantenna-SP11	9.5	900 - 928
External (RFID UHF Wide Beam)	Keonn	Advantenna-SP12	8.1	900 - 928
External (Ruggedline)	Times-7	A3050	10.0	900 - 930
External (Ruggedline)	Times-7	A3010	5.0	900 - 930
External (Self Check-in Underbelt UHF RFID)	Times-7	A6015	4.0	900 - 930
External (Shelf Indoor RFID)	Times-7	A7060	9.0	900 - 930
External (Slimline RFID Ground)	Times-7	A6590C	9.0	900 - 930
External (Stand Alone w/ Cable)	Molex	105263-0003	2.2	900 - 928
External (Ultra-low Circular Polarized Flat Panel)	Times-7	B6031	5.0	900 - 930
External (Ultra-low Profile Circular Polarized Flat Panel)	Times-7	B6032	7.0	900 - 930
External (Ultra-low Profile Circular Polarized Flat Panel)	Times-7	A6032	7.0	900 - 930
External (Ultra-low Profile Ground Mat)	Times-7	A5530	10.0	900 - 930
External (Ultra-low Profile UHF RFID)	Times-7	A5531	10.0	900 - 930
External (Waterproof Circular Polarized)	Times-7	A5020	5.5	900 - 930
xternal (Circularly Polarized Panel)	Laird	S9026XXRN	6.0	900 - 928

CERTIFICATE OF

R210-222428 / *8 Feb 2024* / Rev A

for Radio Equipment in JAPAN

Technical Construction File Details: (Documents Reviewed)

Technical Report(s):
Article 2 paragraph 1 item (6)-2:
BLYK06-J2 Rev A

Supporting Documentation:
Service Agreement
Letter of Authorization
ISO 9001 Cert and/or Japan Product Quality
Japan Application
Japan Radio Protection Declaration
Antenna Specifications
Block Diagram
BOM or Parts List
External Photographs (MIC Reported)
Internal Photographs (MIC Reported)
Label and its Location
Operational Description
PCB Layout
Schematics
Test Setup - Japan
User Manual

Type Marking

The validity of this Certificate is limited to products, which are equal to the one examined in the type - examination.
• When the manufacturer(or holder of this certificate) is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:



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