



# CERTIFICATE *of* COMPLIANCE



Certificate Validation

## CERTIFICATE OF COMPLIANCE

***R210-211460 / 28 Nov 2023 / Rev B***

**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:  
**ThingMagic® M7E-DEKA**

Approval Holder Name:  
**Novanta Inc.**



**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



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**R210-211460 / 28 Nov 2023 / Rev B**

**for Radio Equipment in JAPAN**

Product Name:

**ThingMagic® M7E-DEKA**

Product Model Numbers: **M7E-DEKA**

**Approval Holder:** Novanta Inc., 125 Middlesex Turnpike, Bedford, MA, 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 Inc.
Certification No.	R210-211460
Issue Date / Rev	28 Nov 2023 / Rev B
Equipment Description	UHF RAIN RFID module
Hardware Version	SUB-10041
Firmware Version	2.1.0

## Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
RFID ASK	918.0MHz	920.8MHz	105KK1D	--	--	--	--	249.59mW

## Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
External (5" Long Range Transmitter and Receiver)	Ondeman Laboratory	xls-713	1.5	902-928
External (5" Long Range Transmitter and Receiver)	Ondeman Laboratory	xls-921	-1.9	902-928
External (Active Monopole)	Baishuilai	BSL5040A5	1.5	902-928
External (Cable)	RFMAX	RCA-F3MM-2.5M	-7.0	902-928
External (Cable)	RFMAX	RCA-F3MM-1.5M	-7.0	902-928
External (Cable)	Nissei	FMM800W-4T5M-R	-1.66	902-928
External (Cable)	Nissei	FMM800W-4T10M-R	-4.91	902-928
External (Cable)	Nissei	FMM800W-4T15M-R	-8.16	902-928



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## Antennas - continued

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
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	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 (Circular Polarized UHF)	Times-7	A6034S	9.0	900-930
External (Circularly Polarized Panel)	Laird	S9026XXRN	6.0	902-928
External (Custom)	Sato	H03457900 SRA Coupler_REV1.0	-41.97	902-928
External (Custom)	Sato	H03511900 UHF Front Coupler_REV1.0	-33.82	902-928
External (Custom)	Sato	H0272000 Coupler_V12 UHF-REV1.0	-22.74	902-928
External (Custom)	Sato	H01845000 STBV6-REV1.0	-21.36	902-928
External (Custom)	Sato	RFL-HT00	1.87	902-928
External (Custom)	Sato	RFL-UC00	-2.61	902-928
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 Polarization UHF RFID)	Times-7	A4030L	7.5	900-930
External (Linear Polarized UHF RFID Shelf)	Times-7	A8060	5.0	900-930
External (Linearly Polarized Panel)	Laird	PAV90209H91NM	9.0	902-928
External (Microstrip)	Centurion	IF900	3.0	902-928
External (Multi-purpose RFID)	Times-7	A7040	7.5	900-930
External (Multi-polarized)	Sato	MP-104	3.0	902-928
External (Multi-polarized)	Sato	MP-100	3.0	902-928
External (Multi-polarized)	Sato	MP-164	3.0	902-928
External (Near field)	MAC Technologies	MNFA 1004-900	-20.0	902-928
External (Outdoor Circular Polarized RFID)	Times-7	A5010	8.5	900-930
External (Random Pulses, Shared)	Times-7	A3030	7.0	900-930
External (RFID UHF wide beam)	Keonn	Advantenna-p11	3.3	902-928



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## Antennas - continued

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
External (RFID UHF wide beam)	Keonn	Advantenna-p12	5.3	902-928
External (RFID UHF wide beam)	Keonn	Advantenna-p13	6.9	902-928
External (RFID UHF wide beam)	Keonn	Advantenna-p14	8.1	902-928
External (RFID UHF wide beam)	Keonn	Advantenna-p16	7.5	902-928
External (RFID UHF wide beam)	Keonn	Advantenna-p22	9.6	902-928
External (RFID UHF wide beam)	Keonn	Advantenna-p33	0.2	902-928
External (RFID UHF wide beam)	Keonn	Advantenna-CP11	2.0	902-928
External (RFID UHF wide beam)	Keonn	Advantenna-L11	8.3	902-928
External (RFID UHF wide beam)	Keonn	Advantenna-SP11	9.5	902-928
External (RFID UHF wide beam)	Keonn	Advantenna-SP12	8.1	902-928
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 with Cable)	Molex	105263-0003	2.2	902-928
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



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## Technical Construction File Details: (Documents Reviewed)

### Technical Report(s):

Article 2 paragraph 1 item (6)-2:  
BLYK03-PCA 4.1 J5 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  
Original Certificate  
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:

