



January 16, 2015

Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Subject: Class II Permissive Change

Re: FCC ID: M4Z6204

Attention: Reviewing Engineering

Enclosed please find an FCC ID: M4Z6204 certification application for Class II Permissive Change. Class II PC is necessary to include new antenna design Model: MT262043.

The equipment covered by this submissions is identical in design and construction to the originally approved RFID Reader Model: 6204.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Yuriy Litvinov".

Yuriy Litvinov
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**Specification for
MT – 262043/NH
Reader Antenna
865-870 & 902-928 MHz, 16.0 dBi
(22°)**

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MTI WIRELESS EDGE LTD.	MT – 262043/NH	REV-C
SCALE: NONE	DOC NO. RD43514400C	SHEET 1 OF 4

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
01		UPDATE GAIN	Yael H.	20.12.12
A	DG22	RELAESD	Yael H.	20.11.13
B	7211	UPDATE SPEC	Yael H.	2.10.14
C	7238	UPDATE GAIN	Yael H.	9.11.14

SHEET	43	44	45	46	47	48	49	50	51	52	53	54	55	56
REV														
SHEET	29	30	31	32	33	34	35	36	37	38	39	40	41	42
REV														
SHEET	15	16	17	18	19	20	21	22	23	24	25	26	27	28
REV														
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14
REV	C	C	C	C										

PRODUCT STATUS:			
☐ PROPOSAL	☐ IN DEVELOPMENT	☐ PREPRODUCTION	☒ PRODUCTION

CONTRACT NO			
ACTION	NAME	SIGN	DATE
PREP	Yael	Yael	7.11.12
CHKD	DANIEL ZERAH	D.Z	20.11.13
CHKD			
CHKD	YEHUDA MILER	Y.M	14.11.13
DSGN	SERGEY ZEMLIAKOV	S.Z	14.11.13
PROJ	MOTI ROSTMY	M.R	13.11.13
MFG			
QA	MOTI MOTOVICH	MOTI	18.11.13
MARK.	REUVEN DRORI	R.D	19.11.13

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SPECIFICATION

Flat Panel Subscriber Antenna

MTI PART NUMBER	MT – 262043/NH
Regulatory Compliance	RoHS , CE 0682
<u>1. ELECTRICAL</u>	
Frequency Range	865-870 & 902-928 MHz
Gain	16.0 ± 1.0 dBi
Return Loss	-14 dB (max) @ 865-870MHz -12 dB (max) @ 902-928MHz
3 dB Beam width Azimuth	22°± 1.5°
3 dB Beam width Elevation	36°± 4.0°
Polarization	Linear Horizontal
Side lobes Level	-18dB (max)
Cross Polarization	-15dB (max)
F/B Ratio	-25dB (typ)
Input Impedance	50 (ohm)
Input Power	6 W (max)
Lightning Protection	DC Grounded
<u>2. MECHANICAL</u>	
Dimensions (LxWxD)	900 x 550 x 40mm (max)
Weight	9.0 (kg) (max)
Connector	N-type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Outline Drawing	RD43608900C
<u>3. MOUNTING KIT</u>	Supply by customer

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4. ENVIRONMENTAL				
TEST	STANDARD	DURATION	TEMPERTURE	NOTES
Low Temperature	IEC 68-2-1	72 h	-55°C	-
High Temperature	IEC 68-2-2	72 h	+71°C	-
Temp. Cycling	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis	-	Random 4M3
Shock Mechanical	IEC 60721-3-4	-	-	4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h	-	95%
Water Tightness	IEC 529	-	-	IP64*
Solar Radiation	ASTM G53	2000 h	-	-
Salt Spray	IEC 68-2-11 Ka	500 h	-	-
Ice And Snow	-	-	-	25mm Radial
Wind Speed Survival Operation	-	-	-	220 Km/h 160 Km/h
Wind Load (Survival): Front Thrust Side Thrust	- -	- -	- -	167.1 kg 7.4 kg

*** Outdoor**

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