

Specification for MT – 262013/SRH/R RHCP Reader Antenna 902-928 MHz, 7.5 dBic

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MTI WIRELESS EDGE LTD.	MT – 262013/SRH/R	REV-A
SCALE: NONE	DOC NO. RD43050500C	SHEET 1 OF 4

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
A	DC56	RELAESD	Yael H.	30.6.10

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	A	A	A	A										

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

CONTRACT NO			
ACTION	NAME	SIGN	DATE
PREP	Yael HRASH	Y.H	24.6.10
CHKD	DANIEL ZERAH	D.Z	30.6.10
CHKD			
CHKD			
DSGN	SERGEY ZEMLYAKOV	S.Z	27.6.10
PROJ	ILAN VAINER	I.V	27.6.10
MFG			
QA	MOTI MOTOVICH	MOTI	28.6.10
MARK.	DAVID ASHKENAZI	D.A	29.6.10

MTI WIRELESS EDGE LTD.		Specification For MT – 262013/SRH/R	
DOC NO. RD43050500C		READER ANTENNA	
		902-928 MHz, 7.5 dBic	
SCALE: NONE	CLASSIFICATION: NONE	REV-A	SHEET 2 OF 4

SPECIFICATION

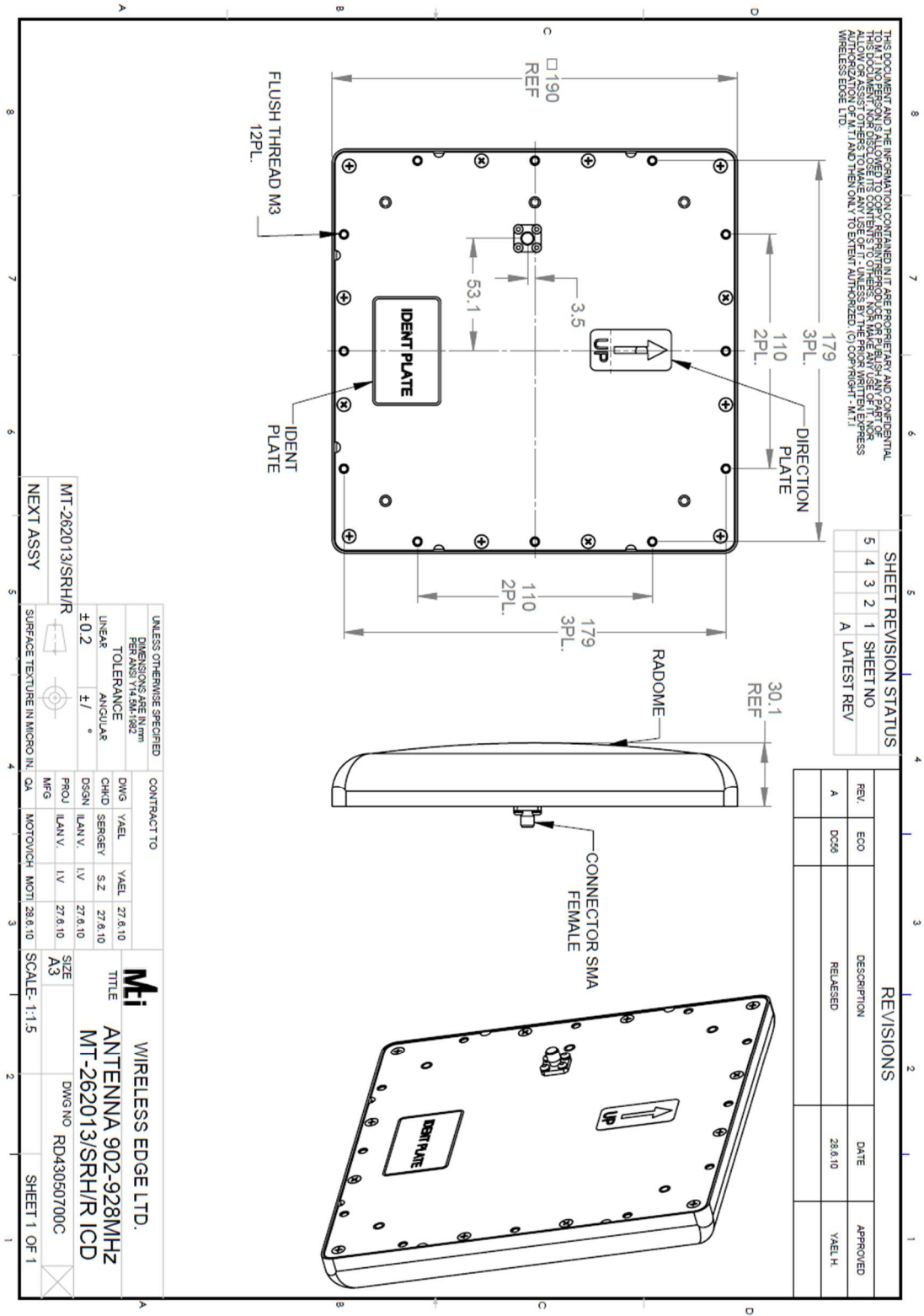
FLAT PANEL READER ANTENNA

MTI PART NUMBER	MT – 262013/SRH/R
Regulatory Compliance	RoHS , CE 0682
<u>1. ELECTRICAL</u>	
Frequency Range	902-928 MHz
Gain	7.5 dBic (min) , 8.5 dBic (max)
VSWR	1.3:1 (max)
Azimuth 3 dB Beam width	70° ±3°
Elevation 3 dB Beam width	71° ±1°
Polarization	RHCP
Side lobes Level And Front To Back	-19 dB (max)
Axial Ratio @ 902-928MHz	1.3 dB (max) @ Bore sight 2.0 dB (typ) 3.5 dB (max) @ 3dB Beam width
Input Impedance	50 (Ohm)
Input Power	6 W (max)
Lightning Protection	DC Grounded
<u>2. MECHANICAL</u>	
Dimensions (LxWxD)	190x190x30 mm (max)
Orientation	Rectangular
Weight	0.8 kg (max)
Connector	SMA Female
Radome	Plastic UV Resistant
Base Plate	Aluminum with chemical conversion coating
Outline Drawing	RD43050700C
<u>3. MOUNTING KIT</u>	SEE RD41191800C MT-900016

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3. ENVIRONMENTAL				
TEST	STANDARD	DURATION	TEMPERATURE	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	-	-	IP67
Solar Radiation	ASTM G53	1000 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	- -	- -	- -	10.5 kg 1.6 kg

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