

# Specification for MT – 464033/SVH/R Dual Polarization Subscriber Antenna 4.9-5.95 GHz, 17.5dBi

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<b>MTI WIRELESS EDGE LTD.</b>	<b>MT – 464033/SVH/R</b>	<b>REV-A</b>
<b>SCALE: NONE</b>	<b>DOC NO. RD43392100C</b>	<b>SHEET 1 OF 4</b>

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
01		UPDATE FREQ.	Yael H.	12.12.12
02		UPDATE FREQ.	Yael H.	17.2.13
A	DF33	RELAESD	Yael H.	25.2.13

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										

<b>PRODUCT STATUS:</b>			
<input type="checkbox"/> PROPOSAL	<input type="checkbox"/> IN DEVELOPMENT	<input checked="" type="checkbox"/> PREPRODUCTION	<input type="checkbox"/> PRODUCTION

CONTRACT NO			
ACTION	NAME	SIGN	DATE
PREP	Yael Harash	Yael	20.2.12
CHKD	Daniel Zerah	D.Z	24.2.13
CHKD	Yehuda Miler	Y.M	19.2.13
CHKD			
DSGN	Sergey Zemliakov	S.Z	19.2.13
PROJ	Moti Rostmy	M.R	18.2.13
MFG			
QA	Moti Motovich	Moti	18.2.13
MARK.	David Shani	D.S	21.2.13

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DOC NO. RD43392100C	4.9-5.95 GHz, 17.5dBi		
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**SPECIFICATION**  
**Subscriber Antenna**

<b>MTI PART NO.</b>	<b>MT - 464033/SVH/R</b>
Regularity Compliance	RoHS , CE 0682
<b><u>1. ELECTRICAL</u></b>	
Frequency Range	<b>4.9 – 5.95 GHz</b>
Gain	16.0 ± 1.0 dBi @ 4.9-5.25 GHz 17.0 ± 1.0 dBi @ 5.25-5.9 GHz 15.0 ± 1.0 dBi @ 5.9-5.95 GHz
VSWR	1.7 :1 (typ) , 2 : 1(max)
Azimuth Beam width	24°(typ)
Elevation Beam width	20°(typ)
Polarization	Dual Linear , Vertical & Horizontal
Azimuth and Elevation Side lobes Level	-12 dB (typ)
Cross Polarization	-13 dB (typ)
Beam Squint	3°(typ)
F/B Ratio	-25 dB (max) , -35 dB (typ)
Port-To-Port Isolation	25 dB (min) , 30 dB (typ)
Input Impedance	50 ohm
Input Power	6W (max)
<b><u>2. MECHANICAL</u></b>	
Dimensions (LxWxD)	190x190x30.3 mm (max)
Weight	0.7 kg (max)
Connector	2 x SMA Right angle Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Outline Drawing	RD43450800C
<b><u>3. MOUNTING KIT</u></b>	
	MT-900016

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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 Cycle s
Vibration	IEC 60721-3-4	30 min/axis	-	Random 4M5
Shock Mechanical	IEC 60721-3-4	-	-	4M5
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

\* IP 67 when antenna installed on the radio enclosure.

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