



**WIRELESS
EDGE LTD.**

MTI Wireless Edge Ltd. • 48091 רח' המלאכה 11 סארק התעשייה אפק ראש העין
11 Hamelacha St. Afek Industrial Park Rosh-Ha'Ayin 48091, Israel
Tel: +972-3-9008900 • Fax: +972-3-9008901 • www.mtiwe.com

Specification for MT – 484052/NVH Dual Polarization Subscriber Antenna 5.15-5.875 GHz, 16dBi

SPECIFICATION Subscriber Antenna

MTI PART NO.	MT - 484052/NVH
Regularity Compliance	RoHS , CE 0682
1. ELECTRICAL	
Frequency Range	5.15 - 5.875 GHz
Gain	15.0 ± 0.5 dBi @ 5.15-5.25 GHz 16.0 ± 0.5 dBi @ 5.25-5.8 GHz 14.5 ± 0.5 dBi @ 5.8-5.875 GHz
VSWR	1.5 :1 (typ) , 2 : 1(max)
Azimuth Beam width	20° (typ)
Elevation Beam width	16° (typ)
Polarization	Dual Linear , Vertical & Horizontal
Azimuth And Elevation Side lobes Level	-8 dB (typ)
Cross Polarization	-12 dB (typ)
F/B Ratio	-25 dB (max) , -35 dB (typ)
Port-To-Port Isolation	18 dB (min) 22 dB (typ)
Input Impedance	50 ohm
Input Power	1W (max)
2. MECHANICAL	
Dimensions (LxWxD)	190x190x30.3 mm (max)
Weight	0.7 kg (max)
Connector	2 x N-Type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Outline Drawing	RD42918500C
3. MOUNTING KIT	
	MT-120018/A

MTI WIRELESS EDGE LTD.	MT – 484052/NVH	REV-B
SCALE: NONE	DOC NO. RD42918300C	SHEET 1 OF 2

4. 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 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	-	-	-	10.5 kg
Side Thrust	-	-	-	1.6 kg

MTI WIRELESS EDGE LTD.		Specification for MT – 484052/NVH Dual Polarization Subscriber Antenna	
DOC NO. RD42918300C		5.15-5.875 GHz, 16dBi	
SCALE: NONE	CLASSIFICATION: NONE	REV-B	SHEET 2 OF 2