

REVISION RECORD

REV	ECO	DESCRIPTION	APVD	DATE
A	CW67	RELEASED	Yael H.	6.3.03

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PRODUCT STATUS:

- PROPOSAL, INDEVELOPMENT
 PREPRODUCTION, PRODUCTION

Mti WIRELESS EDGE LTD.

ACTION	NAME	SIGN	DATE
PREP	Y.HARASH	Y.H	25.12.02
CHKD	D.FAINER	D.F	3.3.03
DSGN	A.HVIV	A.H	28.2.03
PROJ	M.ROSTMY	M.R	25.2.03

TITLE
SPECIFICATION FOR MT – 486004/N
SUBSCRIBER ANTENNA
5.15 - 5.875 GHz ,26 dBi

MFG				SIZE	CLASSIFICATION	DWG NO
QA	M.MOTOVICH	MOTI	25.2.03	A	NONE	RD41262600C
MARK.	D.SHANI	D.S	3.3.03	SCALE NONE		SHEET 1 OF 3

961-7/96

SIZE	MTI WIRELESS EDGE	DWG NO	REV
A		RD41262600C	A
SCALE NONE		SHEET 2 OF 3	

SPECIFICATION

FLAT PANEL SUBSCRIBER ANTENNA

MTI PART NUMBER	MT – 486004/N
REGULATORY COMPLIANCE	ETSI EN 302 085 V1.1.2,(2001-02) Range 1
<u>1. ELECTRICAL</u>	
FREQUENCY RANGE	5.15 - 5.875 GHz
GAIN	26 dBi (min)
VSWR	1.7:1 (max),1.5:1 (typ)
3 dB BEAMWIDTH	6° (typ)
POLARIZATION	Linear (Vertical or Horizontal)
SIDELOBES LEVEL	ETSI EN 302 085 V1.1.2, TS1-TS5
CROSS POLARIZATION	ETSI EN 302 085 V1.1.2, TS1-TS5 -20 db (max)
F/B RATIO	ETSI EN 302 085 V1.1.2, TS1-TS5 -30 db (max)
INPUT IMPEDANCE	50 (ohm)
INPUT POWER	6W (max)
LIGHTNING PROTECTION	DC Grounded
<u>2. MECHANICAL</u>	
DIMENSIONS (LxWxD)	450 x 450 x 30mm (max)
WEIGHT	3 (kg) (max)
CONNECTOR	N-TYPE Female
RADOME	Plastic
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD41262700C
<u>3. MOUNTING KIT</u>	See RD41191800C

SIZE A	MTI WIRELESS EDGE	DWG NO RD41262600C	REV A
SCALE NONE		SHEET 3 OF 3	

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 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	- -	- -	- -	58.3 kg 3.9 kg

SIZE A	MTI WIRELESS EDGE	DWG NO RD41262600C	REV A
SCALE NONE		SHEET 4 OF 3	