



MTI Wireless Edge Ltd.

MTI Wireless Edge Ltd. 11 Hamelacha St., Afek Industrial Park, Rosh Ha'ayin 48091 Israel

Tel: 972-3-9008900, Fax: 972-3-9008901, www.mtiwe.co.il

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SPECIFICATION FOR MT-485028/S/R SUBSCRIBER ANTENNA 5.15-5.875 GHz, 22 dBi

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MTI WIRELESS EDGE LTD.	MT – 485028/S/R	REV-A
SCALE: NONE	DOC NO. RD41847900C	SHEET 1 OF 4

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
A	CV33	RELEASED	Yael H.	12.4.06

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

CONTRACT NO			
ACTION	NAME	SIGN	DATE
PREP	Yael HARASH	Yael	10.4.06
CHKD	DOV FEINER	D.F	11.4.06
CHKD			
CHKD			
DSGN	MICHAEL HAIKIN	M.H	10.4.06
PROJ	MOTI ROSTMY	M.R	10.4.06
MFG			
QA	MOTI MOTOVICH	MOTI	10.4.06
MARK.	DAVID SAHNI	D.S	10.4.06

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SPECIFICATION

FLAT PANEL SUBSCRIBER ANTENNA

MTI PART NUMBER	MT – 485028 / S/R
REGULATORY COMPLIANCE	ETSI EN 302 085 V1.1.2 (2001-02) Range 1 RoHS , CE 0682
<u>1. ELECTRICAL</u>	
FREQUENCY RANGE	5.15 - 5.875 GHz
GAIN	22 dBi (min)
VSWR	1.7:1 (max)
3 dB BEAMWIDTH	9° (typ)
AZIMUTH	9° (typ)
ELEVATION	Linear (Vertical or Horizontal)
POLARIZATION	ETSI EN 302 085 V1.1.2 (2001-02) TS1-TS3
SIDELOBES LEVEL	ETSI EN 302 085 V1.1.2 (2001-02) TS1-TS3
CROSS POLARIZATION	ETSI EN 302 085 V1.1.2 (2001-02) TS1-TS3
F/B RATIO	-35 dB (max)
INPUT IMPEDANCE	50 (ohm)
INPUT POWER	6W (max)
LIGHTNING PROTECTION	DC Grounded
<u>2. MECHANICAL</u>	
DIMENSIONS (LxWxD)	305 x 305 x 15 mm (max)
WEIGHT	1.2 (kgs) (max)
CONNECTOR	SMA Right angle female
RADOME	Plastic
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD41 847600C

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3. 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	-	-	IP63
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	-	-	-	26.8 kg 1.3 kg

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