

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
A	CT98	RELEASED	YAEL H.	6.6.02

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											

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PRODUCT STATUS:

PROPOSAL, INDEVELOPMENT
 PREPRODUCTION, PRODUCTION

Mti WIRELESS EDGE LTD.

ACTION	NAME	SIGN	DATE
PREP	Y. HARASH	Y.M	5.5.02
CHKD	D. FAINER		
DSGN	M. HAIKIN	M.H	6.6.02
PROJ	M. ROSTMY	M.R	6.6.02
MFG			
QA	M. MOTOVICH	MOTI	6.6.02
MARK.	E. AGMON	E.A	6.6.02

TITLE
SPECIFICATION FOR MT – 485024/C/A
SUBSCRIBER INTEGRATED ANTENNA
5.725-5.875 GHz ,20 dBi

SIZE	CLASSIFICATION	DWG NO
A	NONE	RD41149900C
SCALE NONE		SHEET 1 OF 3

SPECIFICATION

FLAT PANEL SUBSCRIBER ANTENNA

MTI PART NUMBER	MT – 485024/C/A
REGULATORY COMPLIANCE	ETSI EN 302 085 V1.1.2 (2001-02) Range 1
<u>1. ELECTRICAL</u>	
FREQUENCY RANGE	5.725 - 5.875 GHz
GAIN	20 dBi (min)
VSWR	1.7:1 (max) 1.5 : 1 (typ)
3 dB BEAMWIDTH AZIMUTH ELEVATION	9° (typ) 10° (typ)
POLARIZATION	Linear (Vertical or Horizontal)
SIDELOBES LEVEL	ETSI EN 302 085 V1.1.2 (2001-02) TS1-TS3
CROSS POLAR DISCRIMINATION	-28 dB (max)
CROSS POLARIZATION	ETSI EN 302 085 V1.1.2 (2001-02) TS1-TS3 -20 dB (max)
F/B RATIO	-29 dB (max)
INPUT IMPEDANCE	50 (ohm)
INPUT POWER	6W (max)
LIGHTNING PROTECTION	DC Grounded
<u>2. MECHANICAL</u>	
DIMENSIONS (LxWxD)	305 x 305 x 25 mm (max)
WEIGHT	1.5 (kgs) (max)
CONNECTOR	MCX with 20 cm cable
RADOME	Plastic
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD41149700C

SIZE A	MTI WIRELESS EDGE	DWG NO RD41149900C	REV A
SCALE NONE		SHEET 2 OF 3	

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 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	-	-
FLAMMABILITY	UL 94	-	-	Class HB
SALT SPRAY	IEC 68-2-11 Ka	500 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED SURVIVAL OPERATION	- -	- -	- -	220 Km/h 160 Km/h

SIZE A	MTI WIRELESS EDGE	DWG NO RD41149900C	REV A
SCALE NONE		SHEET 3 OF 3	