

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
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PREP	Y. HARASH	Y.M	5.5.02
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CHKD	D. FAINER		
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DSGN	M. HAIKIN	M.H	6.6.02
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PROJ	M. ROSTMY	M.R	6.6.02
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MFG			
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QA	M. MOTOVICH	MOTI	6.6.02
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MARK.	E. AGMON	E.A	6.6.02
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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
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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	
1. ELECTRICAL			
FREQUENCY RANGE		5.725 - 5.875 GHz	
GAIN		20 dBi (min)	
VSWR		1.7:1 (max)	1.5 : 1 (typ)
3 dB BEAMWIDTH	AZIMUTH	9° (typ)	
	ELEVATION	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	
2. MECHANICAL			
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	