

REVISION RECORD

REV	ECO	DESCRIPTION	APVD	DATE
A	CV66	RELEASED	YAEL H.	29.10.02

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	YAEL	YAEL	25.10.02
CHKD	D.FAINER	D.F	29.10.02
DSGN	M. HAIKIN	Y.M	29.10.02
PROJ	I.VAINER	I.V	28.10.02

TITLE

SPECIFICATION FOR MT – 485002/S/E
SUBSCRIBER ANTENNA
5.15 – 5.875 GHz ,23 dBi

MFG				SIZE	CLASSIFICATION	DWG NO	
QA	MOTOVICH	MOTI	29.10.02	A	NONE	RD41231800C	
MARK.	D. SHANI	D.S	29.10.02	SCALE NONE			SHEET 1 OF 3

961-7/96

SIZE		DWG NO	REV
A		RD41231800C	A
SCALE NONE			SHEET 2 OF 3

SPECIFICATION

FLAT PANEL SUBSCRIBER ANTENNA

MTI PART NUMBER	MT – /485002S/E
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	23 dBi (min)
VSWR	1.7 : 1 (max)
3 dB BEAMWIDTH	9° (typ)
POLARIZATION	Linear (Vertical or Horizontal)
SIDELOBES LEVEL	ETSI EN 302 085 V1.1.2 (2001-02) TS3
CROSS POLARIZATION	ETSI EN 302 085 V1.1.2 (2001-02) TS3 -20 dB (max)
F/B RATIO	-32 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	SMA Female
RADOME	Plastic
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD41232200C
<u>3. MOUNTING KIT</u>	
	See RD41191800C MT-900007

SIZE A		DWG NO RD41231800C	REV A
SCALE NONE			SHEET 3 OF 3

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 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
WIND LOAD (SURVIVAL): FRONT THRUST SIDE THRUST	- -	- -	- -	26.8 kg 2.2 kg

SIZE A		DWG NO RD41231800C	REV A
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