


REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
A	CX97	RELEASED	Yael H.	14.9.05

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: <input type="checkbox"/> PROPOSAL, <input type="checkbox"/> INDEVELOPMENT <input type="checkbox"/> PREPRODUCTION, <input checked="" type="checkbox"/> PRODUCTION				 MTI WIRELESS EDGE LTD			
ACTION	NAME	SIGN	DATE				
PREP	Y.MILLER	Y.M	14.9.05				
CHKD	D.FAINER	D.F	14.9.05				
DSGN	MILLER	Y.M	14.9.05				
PROJ	M.ROSTMY	M.H	14.9.05				
MFG				SIZE	CLASSIFICATION	DWG NO	
QA	M.MOTOVICH	MOTI	14.9.05	A	NONE	RD41719100C	
MARK.	E.AGMON	E.A	14.9.05	SCALE NONE		SHEET 1 OF 3	

SPECIFICATION

FLAT PANEL SUBSCRIBER ANTENNA

MTI PART NUMBER	MT – 466003/N
REGULATORY COMPLIANCE	ETSI EN 302 085 V1.1.2 (2001-02)
<u>1.ELECTRICAL</u>	
FREQUENCY RANGE	4.9-5.1 GHz
GAIN	27 dBi
VSWR	1.7 : 1 (max)
3 dB BEAMWIDTH:	5° (typ)
POLARIZATION	Linear (Vertical or Horizontal)
SIDELOBES LEVEL :	ETSI EN 302 085 V1.1.2 (2001-02) Range 1,TS1-TS5
CROSS POLARIZATION	ETSI EN 302 085 V1.1.2 (2001-02) Range 1,TS1-TS5
F/B RATIO	- 40 dB (max)
INPUT IMPEDANCE	50 (ohm)
POWER	6W
LIGHTNING PROTECTION	DC Grounded
<u>2. MECHANICAL</u>	
DIMENSIONS (LXWXD)	600 x 600 x 51 mm (max)
WEIGHT	5 (kgs) (max)
CONNECTOR	N-Type Female
RADOME	Plastic
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD41509900C
<u>3. MOUNTING KIT</u>	SEE RD41191800C

SIZE A	MTI WIRELESS EDGE	DWG NO RD41719100C	REV A
SCALE NONE		SHEET 2 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 4M3
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M3
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP63
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	- -	- -	- -	103.6 kg 8.6 kg

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