

															REVISION RECORD				
															REV	ECO	DESCRIPTION	APVD	DATE
															A	CU78	RELEASED	Yael H.	7.8.02

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				WIRELESS EDGE LTD.										
ACTION	NAME	SIGN	DATE	TITLE SPECIFICATION FOR MT – 30081/C/A SUBSCRIBER INTEGRATED ANTENNA 2.4 – 2.7 GHz ,15.5 dBi										
PREP	Y.HARASH	Y.H	5.8.02											
CHKD	D.FAINER	D.F	6.8.02											
DSGN	M.HAIKIN	M,H	6.8.02											
PROJ	M.ROSTMY	M.R	6.8.02											
MFG				SIZE	CLASSIFICATION	DWG NO								
QA	M.MOTOVIC H	MOTI	7.8.02	A	NONE	RD1190100C								

MARK.	E.AGMON	E.A	7.8.02	SCALE NONE		SHEET 1 OF 3
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961-7/96

SIZE A	MTI WIRELESS EDGE	DWG NO RD41190100C	REV A
SCALE NONE			SHEET 2 OF 3

SPECIFICATION

FLAT PANEL SUBSCRIBER ANTENNA

MTI PART NUMBER	MT – 30081/C/A
REGULATORY COMPLIANCE	ETSI EN 301-525 v1.1.1 (2000-06)
<u>1. ELECTRICAL</u>	
FREQUENCY RANGE	2.4 – 2.7 GHz
GAIN	15.5 dBi (min) at 2.4 – 2.5 GHz 16 dBi (min) at 2.5 – 2.7 GHz
VSWR	1.7 : 1 (max)
3 dB BEAMWIDTH	20° (typ)
POLARIZATION	Linear (Vertical or Horizontal)
SIDELOBES LEVEL	ETSI EN 301-525 v1.1.1 TS2
CROSS POLARIZATION	ETSI EN 301-525 v1.1.1 TS2
F/B RATIO	-26 dBi (max)
INPUT IMPEDANCE	50 (ohm)
INPUT POWER	6W (max)
LIGHTNING PROTECTION	DC Grounded
<u>2. MECHANICAL</u>	
DIMENSIONS (LxWxD)	305 x 305 x25 mm (max)
WEIGHT	1.5(kg) (max)
CONNECTOR	MCX plug with 15cm coaxial cable
RADOME	Plastic
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD41189900C

SIZE A	MTI WIRELESS EDGE	DWG NO RD41190100C	REV A
SCALE NONE		SHEET 3 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	-	-	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	-	-	-	220 Km/h
SURVIVAL OPERATION				160 Km/h

SIZE A	MTI WIRELESS EDGE	DWG NO RD41190100C	REV A
SCALE NONE		SHEET 4 OF 3	