

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
A	CS82	RELEASED	YAEL H.	21.3.02
B	CT40	ADD RD NO.	YAEL H.	9.5.02

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	B	B	B											

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CONTRACT NO							
ACTION	NAME	SIGN	DATE				
PREP	HARASH Y.	H.Y	5.3.02	TITLE SPECIFICATION FOR MT – 20004 SUBSCRIBER ANTENNA 5.725 – 5.875 GHz ,28 dBi			
CHKD	FEINER D.						
DSGN	HAIKIN M.	M.H	17.3.02				
PROJ	VAINER I.	I.V	17.3.02				
MFG							
QA	MOTOVICH	MOTI	20.3.02	SIZE	CLASSIFICATION	DWG NO	
MARK.				A	NONE	RD41118300C	
				SCALE NONE		SHEET 1 OF 3	

SIZE A	MTI WIRELESS EDGE	DWGNO RD41118300C	REV B
SCALE NONE			SHEET 2 OF 3

SPECIFICATION

FLAT PANEL SUBSCRIBER ANTENNA

MTI PART NUMBER	MT – 20004
REGULATORY COMPLIANCE	ETSI EN 302 085 V1.1.2 (2001-02) Range 1
1. ELECTRICAL	
FREQUENCY RANGE	5.725 – 5.875 GHz
GAIN	28 dBi (min)
VSWR	1.7: 1 (max)
3 dB BEAMWIDTH	4.5° (typ)
POLARIZATION	Linear (vertical or horizontal)
SIDELOBES LEVEL	ETSI EN 302 085 V1.1.2 (2001-02) TS1 - TS5
CROSS POLARIZATION	- 28 dB (max)
F/B RATIO	- 40 dB (max)
INPUT IMPEDANCE	50 (ohm)
POWER	6W
LIGHTNING PROTECTION	DC Grounded
2. MECHANICAL	
DIMENSIONS (LxWxD)	600 x 600 x 50 mm (max)
WEIGHT	5 (kgs) (max)
CONNECTOR	N-Type Female
RADOME	Plastic
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD41118000C
3. MOUNTING KIT	
	RD41191800C

SIZE A	MTI WIRELESS EDGE	DWGNO RD41118300C	REV B
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 SURVIVAL OPERATION	- -	- -	- -	220 Km/h 160 Km/h
WIND LOAD (SURVIVAL): FRONT THRUST SIDE THRUST	- -	- -	- -	103.6 kg 8.6 kg

SIZE A	MTI WIRELESS EDGE	DWGNO RD41118300C	REV B
SCALE NONE		SHEET 4 OF 3	