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ACTION	NAME	SIGN	DATE																										
PREP	Y.MILLER	Y.M	14.9.05	TITLE: SPECIFICATION FOR MT – 466003/N SUBSCRIBER ANTENNA 4.9 – 5.1 GHz ,27 dBi																									
CHKD	D.FAINER	D.F	14.9.05																										
DSGN	MILLER	Y.M	14.9.05																										
PROJ	M.ROSTMY	M.H	14.9.05																										
MFG																													
QA	M.MOTOVICH	MOTI	14.9.05	SIZE A	CLASSIFICATION NONE	DWG NO 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

SIZE A	MTI WIRELESS EDGE	DWG NO RD41719100C	REV A
SCALE NONE		SHEET 3 OF 3	