

REVISION RECORD														
DATE	APVD	DESCRIPTION								ECO	REV			
4.3.03	Yael H.	RELEASED								CW71	A			
17.6.03	Yael H.	ADD DIM. OF POLE								00127	B			
56	55	54	53	52	51	50	49	48	47	46	45	44	43	SHEET
														REV
42	41	40	39	38	37	36	35	34	33	32	31	30	29	SHEET
														REV
28	27	26	25	24	23	22	21	20	19	18	17	16	15	SHEET
														REV
14	13	12	11	10	9	8	7	6	5	4	3	2	1	SHEET
											B	B	B	REV
THIS DOCUMENT AND THE INFORMATION CONTAINED IN IT ARE PROPRIETARY AND CONFIDENTIAL TO MTI. NO PERSON IS ALLOWED TO COPY REPRINT REPRODUCE OR PUBLISH ANY PART OF THIS DOCUMENT NOR, DISCLOSE ITS CONTENTS TO OTHERS, NOR MAKE ANY USE OF IT NOR ALLOW OR ASSIST OTHERS TO MAKE ANY USE OF IT,- UNLESS BY THE PRIOR WRITTEN EXPRESS AUTHORIZATION OF MTI AND THEN ONLY TO THE EXTENT AUTHORIZED. (C) COPYRIGHT – MTI WIRELESS EDGE LTD.														
Mti WIRELESS EDGE LTD.										PRODUCT STATUS:				
										☐ PROPOSAL,☐ INDEVELOPMENT ☒ PREPRODUCTION,☐ PRODUCTION				
TITLE SPECIFICATION FOR MT - 484030/N OMNIDIRECTIONAL ANTENNA 5.725 – 5.875 GHz , 15dBi										DATE	SIGN	NAME	ACTION	
										25.2.03	Y.H	Y.HARASH	PREP	
										3.3.03	D.F	D.FAINER	CHKD	
										2.3.03	M.H	M.HAIKIN	DSGN	
										25.2.03	A.D	ALEX DRAGILEV	PROJ	
DWG NO RD41186800C					CLASSIFICATION NONE		SIZE A					MFG		
									3.3.03	MOTI	M.MOTOVICH	QA		
SHEET 1 OF 3							SCALE NONE		3.3.03	D.F	D.SHANI	MARK.		

REV B	DWGNO RD41186800C	MTI WIRELESS EDGE	SIZE A
SHEET 2 OF 3		SCALE NONE	

SPECIFICATION

OMNIDIRECTIONAL ANTENNA

MTI PART NUMBER	MT – 484030/N
<u>1. ELECTRICAL</u>	
FREQUENCY RANGE	5.725 – 5.875 GHz
PEAK GAIN	15 dBi
VSWR	1.7:1 (max)
AZIMUTH BEAMWIDTH	360°
AZIMUTH RIPPLE	3dB peak to peak
ELECTRICAL DOWN TILT	-0.5° (typ)
POLARIZATION	Linear Vertical
E - PLANE BEAMWIDTH	2.6° (typ)
E - PLANE SIDELOBES	-10 dB (max)
INPUT IMPEDANCE	50 (ohms)
POWER	6 W (max)
LIGHTNING PROTECTION	DC Grounded
<u>2. MECHANICAL</u>	
DIMENSIONS : DIAMETER HEIGHT	75 mm (max) 1280 mm (max)
WEIGHT	1.2 kg (max)
CONNECTOR	N -type female
RADOME	Plastic, UV Resistant
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD41186600C
<u>3. MOUNTING KIT</u>	
CONFIGURATION	Mounted to pole ø1.5"-ø3" by the means of 2 clamps.

REV B	DWGNO RD41186800C	MTI WIRELESS EDGE	SIZE A
SHEET 3 OF 3		SCALE NONE	

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 4M5
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M5
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP67
SOLAR RADIATION	ASTM G53	1000 h	-	-
SALT SPRAY	IEC 68-2-11 Ka	500 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED SURVIVAL OPERATION	- -	- -	- -	160 Km/h 120 Km/h

REV B	DWGNO RD41186800C	MTI WIRELESS EDGE	SIZE A
SHEET 4 OF 3		SCALE NONE	