



**MTI Wireless Edge Ltd.**

רח' המלאכה 11 פארק אפק, ראש העין 48091

11 Hamelacha St., Afek Industrial Park, Rosh Ha'ayin 48091, Israel

טל: 972-3-9025050, פקס: 972-3-9025051

[www.mti-group.co.il](http://www.mti-group.co.il)

# **SPECIFICATION FOR MT – 262006/TRH/A/K RHCP SUBSCRIBER ANTENNA 902-928 MHz, 9 dBic**

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.

<b>MTI WIRELESS EDGE LTD.</b>	<b>MT – 262006/TRH/A/K</b>	<b>REV-A</b>
<b>SCALE: NONE</b>	<b>DOC NO. RD41880600C</b>	<b>SHEET 1 OF 1</b>

REVISION RECORD				
DATE	APVD	DESCRIPTION	ECO	REV
15.5.06	Yael H.	RELAESD	CV57	A

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
										A	A	A	A	REV

<b>PRODUCT STATUS:</b>
<input checked="" type="checkbox"/> PRODUCTION <input type="checkbox"/> PREPRODUCTION <input type="checkbox"/> IN DEVELOPMENT <input type="checkbox"/> PROPOSAL

CONTRACT NO			
DATE	SIGN	NAME	ACTION
14.5.06	YAKOV	YAKOV SALERNO.	PREP
		DOV FEINER	CHKD
			CHKD
			CHKD
15.5.06	A.H	ASAF HVIV	DSGN
15.5.06	A.D	ALEX DRAGILEV	PROJ
			MFG
15.5.06	MOTI	MOTI MOTOVICH	QA
15.5.06	D.S	DAVID SHANI	MARK.

MTI WIRELESS EDGE LTD.	SPECIFICATION FOR MT – 262006/TRH/A/K		
DOC NO. RD41880600C	RHCP SUBSCRIBER ANTENNA		
	902-928 MHz,9 dBic		
SCALE: NONE	CLASSIFICATION: NONE	REV-A	SHEET 2 OF 2

<b>MTI WIRELESS EDGE LTD.</b>	<b>SPECIFICATION FOR MT – 262006/TRH/A/K RHCP SUBSCRIBER ANTENNA</b>		
<b>DOC NO. RD41880600C</b>	<b>902-928 MHz,9 dBic</b>		
<b>SCALE: NONE</b>	<b>CLASSIFICATION: NONE</b>	<b>REV-A</b>	<b>SHEET 3 OF 3</b>

## SPECIFICATION

### FLAT PANEL SUBSCRIBER ANTENNA

<b>MTI PART NUMBER</b>	<b>MT – 262006/TRH/A/K</b>
REGULATORY COMPLIANCE	RoHS , CE 0682
<b><u>1. ELECTRICAL</u></b>	
FREQUENCY RANGE	902 - 928 MHz
GAIN	9 dBic (min)
VSWR	1.3:1 (max) 1.4:1 (max) @ 10% of the range
AZIMUTH 3 dB BEAMWIDTH	63° (typ)
ELEVATION 3 dB BEAMWIDTH	63° (typ)
POLARIZATION	RHCP
SIDELOBES LEVEL @ 90°	-16 dB (max)
AXIAL RATIO AT BORESIGHT	4 dB (max)
F/B RATIO	-18 dB (max)    -20 dB (typ)
INPUT IMPEDANCE	50 (Ohm)
INPUT POWER	6 W (max)
LIGHTNING PROTECTION	DC Grounded
<b><u>2. MECHANICAL</u></b>	
DIMENSIONS (LxWxD)	305x305x25 mm
ORIENTATION	Rectangular
WEIGHT	1.2 kg (max)
CONNECTOR	Reverse Polarity TNC Female
RADOME	Plastic UV Resistant per ETSI 300
BASE PLATE	Aluminum with chemical conversion coating
OUTLIN DRAWING	RD41880300C
<b><u>3. MOUNTING KIT</u></b>	
MOUNTING KIT	SEE RD41191800C

MTI WIRELESS EDGE LTD.		SPECIFICATION FOR MT – 262006/TRH/A/K RHCP SUBSCRIBER ANTENNA	
DOC NO. RD41880600C		902-928 MHz, 9 dBic	
SCALE: NONE	CLASSIFICATION: NONE	REV-A	SHEET 4 OF 4

<b>4. ENVIRONMENTAL</b>				
<b>TEST</b>	<b>STANDARD</b>	<b>DURATION</b>	<b>TEMPERTURE</b>	<b>NOTES</b>
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
THERMAL SHOCK NONO-OPERATING			-30°C to +70°C	Ramp 30°C/min
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP67
DUST RESISTANCE				IP67
SOLAR RADIATION	ASTM G53	1000 h	-	-
OZONE RESISTANCE	ETSI 300			
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	- -	- -	- -	26.8 kg 2.2 kg
QUASI RANDOM VIBRATION				20g rms for 4 hours
VEHICLE VIBRATION OPERATING	1g rms, 10- 500 Hz, in 3 axis			6 hours total, 2 hr in each axis. Accelerated wear – an additional 50hrs in worst case axis.
MECHANICAL SHOCK OPERATING	10g, 11 msec, half sine pulse			

<b>MTI WIRELESS EDGE LTD.</b>		<b>SPECIFICATION FOR MT – 262006/TRH/A/K RHCP SUBSCRIBER ANTENNA</b>		
<b>DOC NO. RD41880600C</b>		<b>902-928 MHz,9 dBic</b>		
<b>SCALE: NONE</b>	<b>CLASSIFICATION: NONE</b>	<b>REV-A</b>	<b>SHEET 5 OF 5</b>	