

| <div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 80%;"> <div style="text-align: center; border-bottom: 1px solid black; margin-bottom: 5px;"> <b>REVISION RECORD</b> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">REV</th> <th style="width: 10%;">ECO</th> <th style="width: 40%;">DESCRIPTION</th> <th style="width: 20%;">APVD</th> <th style="width: 20%;">DATE</th> </tr> <tr> <td>A</td> <td>CV50</td> <td>RELEASED</td> <td>Yael H.</td> <td>11.5.06</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> </div> |  |  |  |  |  |  |  |  |  |  |  |  |  |  | REV | ECO  | DESCRIPTION | APVD    | DATE    | A | CV50 | RELEASED | Yael H. | 11.5.06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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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|                                                                                                                                                                                               |          |      |         |                                                                                                                                                                                                                                 |                |        |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|--|--|--|--|--|--|--|--|
| <b>PRODUCT STATUS:</b><br><input type="checkbox"/> PROPOSAL, <input type="checkbox"/> INDEVELOPMENT<br><input type="checkbox"/> PREPRODUCTION, <input checked="" type="checkbox"/> PRODUCTION |          |      |         | <div style="display: flex; align-items: center; justify-content: center;"> <div style="font-size: 2em; font-weight: bold; margin-right: 10px;">Mti</div> <div>WIRELESS EDGE LTD.</div> </div>                                   |                |        |  |  |  |  |  |  |  |  |
| ACTION                                                                                                                                                                                        | NAME     | SIGN | DATE    | <div style="border-bottom: 1px solid black; margin-bottom: 10px;">TITLE</div> <div style="text-align: center;"> <b>SPECIFICATION FOR AL - 362010/S</b><br/> <b>SUBSCRIBER ANTENNA</b><br/> <b>2.3-2.7 GHz , 11.5 dBi</b> </div> |                |        |  |  |  |  |  |  |  |  |
| PREP                                                                                                                                                                                          | ILAN V.  | I.V  | 28.6.04 |                                                                                                                                                                                                                                 |                |        |  |  |  |  |  |  |  |  |
| CHKD                                                                                                                                                                                          | ILAN V.  | I.V  | 4.7.04  |                                                                                                                                                                                                                                 |                |        |  |  |  |  |  |  |  |  |
| DSGN                                                                                                                                                                                          | D.FAINER | D.F  | 11.7.04 |                                                                                                                                                                                                                                 |                |        |  |  |  |  |  |  |  |  |
| PROJ                                                                                                                                                                                          | YUVAL T  | Y,T  | 4.7.04  |                                                                                                                                                                                                                                 |                |        |  |  |  |  |  |  |  |  |
| MFG                                                                                                                                                                                           |          |      |         | SIZE                                                                                                                                                                                                                            | CLASSIFICATION | DWG NO |  |  |  |  |  |  |  |  |

|       |                |      |         |            |      |              |
|-------|----------------|------|---------|------------|------|--------------|
| QA    | M.MOTOVIC<br>H | MOTI | 11.5.06 | A          | NONE | RD41878100C  |
| MARK. | EFI AGMON      | E.A  | 11.5.06 | SCALE NONE |      | SHEET 1 OF 3 |

961-7/96

|            |                   |                       |          |
|------------|-------------------|-----------------------|----------|
| SIZE<br>A  | MTI WIRELESS EDGE | DWG NO<br>RD41480900C | REV<br>C |
| SCALE NONE |                   | SHEET 2 OF 3          |          |

## **SPECIFICATION**

### **FLAT PANEL SUBSCRIBER ANTENNA**

| <b>MTI PART NUMBER</b>      | <b>AL - 362010/S</b>                       |
|-----------------------------|--------------------------------------------|
| REGULATORY COMPLIANCE       | RoHS , CE 0682                             |
|                             |                                            |
| <b><u>1. ELECTRICAL</u></b> |                                            |
|                             |                                            |
| FREQUENCY RANGE             | 2.3-2.7 GHz                                |
| GAIN                        | 11.5±0.5 dBi                               |
| VSWR                        | 2:1 (max)                                  |
| 3 dB BEAMWIDTH              | Azimuth: 80° (min)<br>Elevation: 20° (typ) |
| POLARIZATION                | Vertical                                   |
| F/B RATIO                   | -20dB (typ)                                |
| INPUT IMPEDANCE             | 50 (ohm)                                   |
| INPUT POWER                 | 3W (max)                                   |
|                             |                                            |
| <b><u>2. MECHANICAL</u></b> |                                            |
|                             |                                            |
| ANTENNA DIMENSIONS (LxWxD)  | 325x92x15mm (max)                          |
| WEIGHT                      | 0.6 kg (max) without cable                 |
| CONNECTOR                   | SMA female                                 |
| AZIMUTH ADJUSTMENT          | ± 45°                                      |
| TILT ADJUSTMENT             | ±15°                                       |
| PLASTIC MATERIALS           | P.C+ ABS                                   |
| OUTLINE DRAWING             | RD41878000C                                |
| INSTALLATION OPTION         | See sheet 3                                |
| RF CABLE ACCESSORIES        | See sheet 3                                |

| <b><u>3. ENVIRONMENTAL</u></b> |                      |                 |             |               |
|--------------------------------|----------------------|-----------------|-------------|---------------|
| <b>TEST</b>                    | <b>STANDARD</b>      | <b>DURATION</b> | <b>TEMP</b> | <b>NOTES</b>  |
| LOW TEMPERATURE                | IEC 68-2-1           | 72 h            | -20°C       | -             |
| HIGH TEMPERATURE               | IEC 68-2-2           | 72 h            | +55°C       | -             |
| TEMP. CYCLING                  | IEC 68-2-14          | 1 h             | -10°C +55°C | 3<br>Cycles   |
| VIBRATION                      | IEC 60721-3-4        | 30<br>min/axis  | -           | Random<br>4M3 |
| SHOCK MECHANICAL               | IEC 60721-3-4        | -               | -           | 4M3           |
| HUMIDITY                       | ETSI EN300-2-4 T4.1E | 144 h           | -           | 50%           |
| WATER TIGHTNESS                | IEC 529              | -               | -           | IP32          |
| SOLAR RADIATION                | ASTM G53             | 1000 h          | -           | -             |
| FLAMMABILITY                   | UL 94                | -               | -           | V0            |

|            |                   |                       |          |
|------------|-------------------|-----------------------|----------|
| SIZE<br>A  | MTI WIRELESS EDGE | DWG NO<br>RD41878100C | REV<br>A |
| SCALE NONE |                   | SHEET 3 OF 3          |          |

|            |                   |                       |              |
|------------|-------------------|-----------------------|--------------|
| SIZE<br>A  | MTI WIRELESS EDGE | DWG NO<br>RD41878100C | REV<br>A     |
| SCALE NONE |                   |                       | SHEET 4 OF 3 |

## **INSTALLATION**

1. 3 Vacuum cap for window installation (Supplied with antenna).
2. Table position (A mechanical dummy load supplied with antenna).
3. Adhesive tape for window installation (Tape not supplied with antenna)
4. Wall installation with screws (Hardware not supplied with antenna)

### **RF CABLE ACCESSORIES – OPTION (NOT SUPPLIED)**

| # | MTI P/N       | Cable length | Free end conn. | Attenuation @ 2.5GHz |
|---|---------------|--------------|----------------|----------------------|
| 1 | MT-850001/M/A | 2 Meter      | MCX male       | 3 dB                 |
| 2 | MT-850001/M/B | 3 Meter      | MCX male       | 4.5 dB               |
| 3 | MT-850004/S/A | 2 Meter      | SMA MALE       | 3 dB                 |
| 4 | MT-850005/S/A | 2 Meter      | SMA F. R.P     | 3 dB                 |

|            |                   |                       |          |
|------------|-------------------|-----------------------|----------|
| SIZE<br>A  | MTI WIRELESS EDGE | DWG NO<br>RD41878100C | REV<br>A |
| SCALE NONE |                   | SHEET 5 OF 3          |          |