

# Omnidirectional Antennas KA60.0

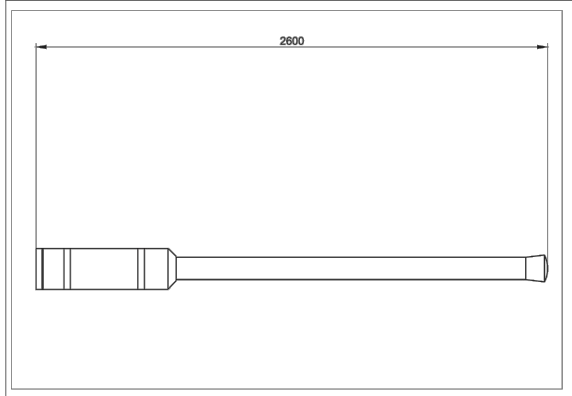
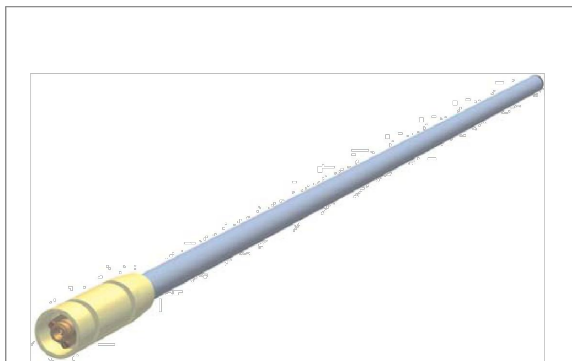
|            |                                       |
|------------|---------------------------------------|
| STANBA     | VAROVNÝ INFORMAČNÍ SYSTÉM MĚSTA DEČÍN |
| MÍSTO      | ROZHLÉDNÁ TMČZ, DOBRŮVÁ, OKR. DEČÍN   |
| P.P.Č.     | 639/4                                 |
| KAT. ÚZEMÍ | DOBRŮVÁ                               |
| ST. ŮŘAD   | DEČÍN                                 |
| VLASTNÍK   | T-MOBILE CZECH REPUBLIC a.s., PRAHA 4 |
| STAVEBNÍK  | T-MOBILE CZECH REPUBLIC a.s., PRAHA 4 |
| ZHOTOVITEL |                                       |

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| <b>T-Mobile</b><br>T-Mobile Czech Republic a.s.<br>Tomškova 2144/1<br>149 00 Praha 4<br>CZECH REPUBLIC |
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|-------------------------|-------------------------------|
| NAZEV VÝKRESU/DWG TITLE | ANTÉNA PŘEVADĚČE<br>VIS DEČÍN |
|-------------------------|-------------------------------|

|                          |                    |
|--------------------------|--------------------|
| PROJEKT/PROJECT          | CZECH GSM 900/1800 |
| NAZEV LOKALITY/SITE NAME | Decin_Sokolivrch   |
| ČÍSLO LOKALITY/SIDE ID.  | 47097              |

|                    |             |         |         |
|--------------------|-------------|---------|---------|
| VYP                | MÍSTKO      | DATUM   | 11/2016 |
| KONTŘ              |             | DATUM   |         |
| SCHVAL             |             | DATUM   |         |
| Č. VÝKRESU/DWG No. | 47097-VIS03 | MĚŘÍTKO | —       |



The omnidirectional antenna KA60.0 is designed for base radiostations working in bands of 66-72 MHz with Bandwidth 5 MHz. The antenna has a omni-directional radiation pattern with the gain of 0 dBd and is suitable for the top-mounting. The antenna is broadband.

As for construction, the antenna is designed as a coaxial dipol put in a laminate case. It is connected to the coaxial cable by the coaxial plug "N" type which is soled together with this antenna.

It is possible to order holders produced of zinc-plated steel for towers' diameters of 30 to 180 mm.

## ELECTRICAL PARAMETERS

|                                |   |
|--------------------------------|---|
| Frequency range [MHz]          | 66 - 72 with Bandwidth 5 MHz                    |
| Gain [dBd]                     | 0   |
| Radiation angle in E-plane [°] | 78  |
| Radiation angle in H-plane [°] | omnidirectional                                 |
| VSWR                           | <1.8  |
| Polarization                   | Vertical  |
| Impedance [Ohm]                | 50  |
| Max. Input power [W]           | 200   |
| Antistatic protection          | All metal parts DC-grounded (shows as DC-short) |

## MECHANICAL PARAMETERS

|                                     |   |
|-------------------------------------|---|
| Connection                          | N female  |
| Wind Surface/ with 15 mm icing [m²] | 0.064 / 0.142   |
| Wind Load/ with 15 mm icing [N]     | 103/ 228 @ 150 km/h                                   |
| Length [mm]                         | 2600  |
| Weight [kg]                         | 3.0   |
| Mouting                             | Supplied with mast bracket suitling 30-76 mm dia.mast |

## RADIATION PATTERNS

|         |         |
|---------|---------|
| E-plane | 039DE00 |
| H-plane | 000ND00 |

Radiation Patterns code is generated with VASIT00L software

