



# 700 MHz Mobile Antennas

Frequency:698-806MHz, the 700 MHz Mobile Antenna with an omni-directional pattern, use a rugged.125" diameter 17-7 stainless steel tapered whip in our Mobile antennas , 700 MHz Mobile Antenna designed primarily for the 700 MHz LTE and public safety band. such as verizon 4G LTE(746-806MHZ)

**Features:**

- magnetic mounts& NMO/TAD available
- Weather-Proof
- Compact size

**Applications :**

- 700MHz WiMAX
- 700MHz public safety band
- 700MHz LTE
- Verizon 4G LTE (746-806MHz)

Option:  
 •Standard TAD/NMO type MOUNT  
 •Integrated Magnet Mount

Model:

**BASE LOAD 700 MHz mobile antenna, option mount**

FIG 1 , 698-755MHz 3dBi- ZDAEM700-3

FIG 2, 698-755MHz 5dBi - ZDAEM700-5

FIG 3, 698-755MHz 7dBi - ZDAEM700-7

FIG 1, 746-806MHz 3dBi - ZDAEM750-3

FIG 2, 746-806MHz 5dBi - ZDAEM750-5

FIG 3, 746-806MHz 7dBi - ZDAEM750-7



fig1

fig2

fig3



integrated Magnet Mount

TAD/NMO type MOUNT

**700MHz mobile antenna, magnet mount**

FIG 4, 698-755MHz 3dBi- ZDAEM700-3-o

FIG 4, 746-806MHz 3dBi- ZDAEM750-3-o

Integrated Magnet Mount



fig 4



**700 MHz Mobile antenna series specifications**

**BASE LOAD 700 MHz mobile antenna, option mount**

<b>Model</b>	ZDAEM700-3	ZDAEM700-5	ZDAEM700-7	ZDAEM750-3	ZDAEM750-5	ZDAEM750-7
<b>Frequency Range</b>	698-755MHz	698-755MHz	698-755MHz	746-806MHz	746-806MHz	746-806MHz
<b>Gain</b>	3dBi	5dBi	7dBi	3dBi	5dBi	7dBi
<b>Polarization</b>	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
<b>Horizontal Beam Width</b>	360 °	360 °	360 °	360 °	360 °	360 °
<b>VSWR</b>	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
<b>Input Impedance</b>	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm
<b>Input Maximum Power</b>	200 W	200 W	200 W	200 W	200 W	200 W
<b>Connector</b>	SMA male or customized	SMA male or customized	SMA male or customized	SMA male or customized	SMA male or customized	SMA male or customized
<b>Size</b>	13.5"	18"	29"	13.5"	18"	29"
<b>Radiator</b>	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
<b>Mounting</b>	Magnet/NMO/TAD	Magnet/NMO/TAD	Magnet/NMO/TAD	Magnet/NMO/TAD	Magnet/NMO/TAD	Magnet/NMO/TAD
<b>Operating Temperature</b>	-40 to 85° C (-40to 185° F)	-40 to 85° C (-40to 185° F)	-40 to 85° C (-40to 185° F)	-40 to 85° C (-40 to 185° F)	-40 to 85° C (-40 to 185° F)	-40 to 85° C (-40 to 185° F)

**700MHz mobile antenna, magnet mount  
3dB Gain, 5/8 wave over 1/2 wave**

<b>Model</b>	ZDAEM700-3-o	ZDAEM750-3-o
<b>Frequency Range</b>	698-755MHz	746-806MHz
<b>Gain</b>	3dBi	3dBi
<b>Polarization</b>	Vertical	Vertical
<b>Horizontal Beam Width</b>	360 °	360 °
<b>VSWR</b>	<2	<2
<b>Input Impedance</b>	50 ohm	50 ohm
<b>Input Maximum Power</b>	200 W	200 W
<b>Connector</b>	SMA male or customized	SMA male or customized
<b>Size</b>	13.5"	13.5"
<b>Radiator</b>	Stainless steel	Stainless steel
<b>Mounting</b>	Mag-mount	Mag-mount
<b>Operating Temperature</b>	-40 to 85° C (-40to 185° F)	-40 to 85° C (-40 to 185° F)