



## GSM/UMTS/LTE ANTENNA

Antenna GSM/UMTS/LTE  
FLAT Stick 90°/180°,  
690-2700 MHz, 3 dBi, SMA(m)

AO-ALTE-FSMAK3

SECTRON company offers wide portfolio GSM/UMTS/LTE antennas with various versions differing in shape, level of gain or attachment manner. SECTRON guarantees compatible connection between antenna and all antenna adaptors produced by SECTRON.

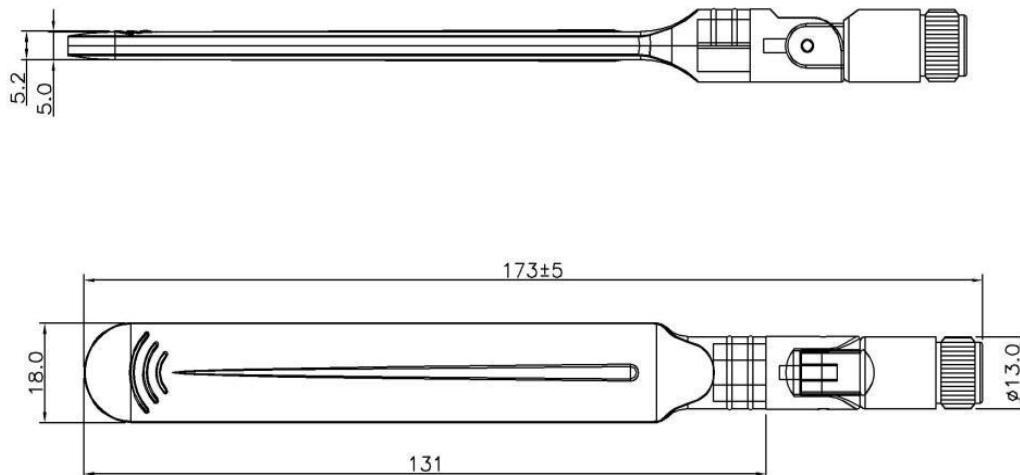
### BENEFITS

- Omnidirectional - suitable for moving devices
- Adjustable angle
- No cable required



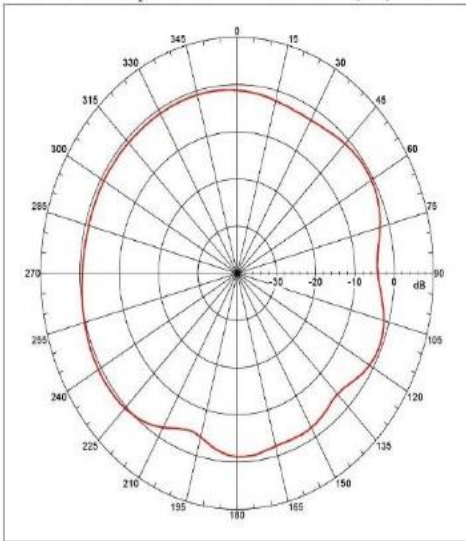
Technology	GSM/UMTS/LTE
Frequency bands	690/800/900/1800/1900/2100/2300/2400/2500/2600/2700 MHz
Bandwidth	-
Gain	3 dBi
VSWR	<2.0:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	H 360° V 30°
Polarization	Linear
Maximum input power	10W
Power voltage	-
Dimensions	173 x 18mm
Weight	23 g
Operating temperature	-30°C to +90°C
Execution	External
Method of attachment	Screw
Cable type	-
The cable length	-
Connector type	SMA(m)

DRAWING





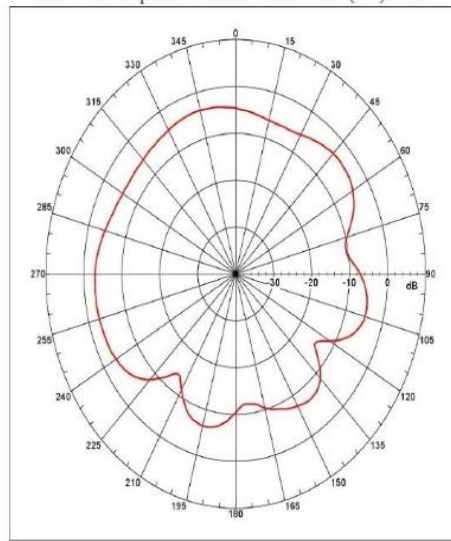
Far-field amplitude of 20150828-LTE(4G)-H.nsi



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Far-field amplitude, Spherical Linear, Tm = 0
Gain = 0.8751 dBi
Max Far-field (global) = -40.2842 dB, Max Far-field (local) =
-40.2842 dB
Reference: Reference, Return offset = 0.000 dB
Span = 114.8888 deg, Step = 0.8000 deg
Plot overlap: On
File name: H.nsi
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20150828-LTE(4G)-H
20150828 14.0.124, Release: 1, Environment and Settings (MSI/Desktop) 20
150828-LTE(4G) 10150828-LTE(4G)-H.nsi
Measurement date/time: 8/28/2015 9:08:25 AM, Filetype: HSI-97
Far-field CUG Analysis:
Avg width: -1.776 dB
-1. dB Beam width: 21.10 deg
-2. dB Beam width: Not Found
-3. dB Beam width: Not Found
Left Sidelobe: -1.02 dB at 79.441 deg
Right Sidelobe: -0.45 dB at 141.133 deg
Far-field display setup
Assembly (deg)
Span = 114.8888 deg, Center = 0.000 deg, Step = 0.800
Deg
Elevation (deg)
Center = 0.000 deg, Step = 1
Selected beam(s) 1 of 12
Span Frequency Azimuth Elevation Pol
-----
1 1.800 GHz Azimuth Elevation Single-pol
2 1.800 GHz Azimuth Elevation Single-pol
    
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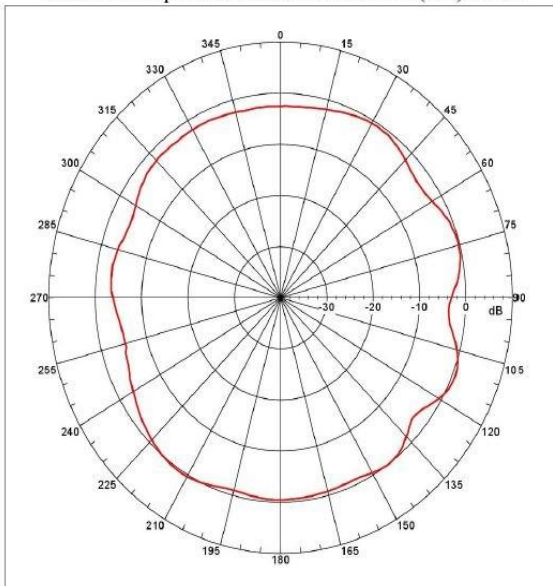
Far-field amplitude of 20150828-LTE(4G)-H.nsi



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Far-field amplitude, Spherical Linear, Tm = 0.000 deg
Gain = 2.7011 dBi
Max Far-field (global) = -16.2872 dB, Max Far-field (local) =
-16.2872 dB
Reference: Reference, Return offset = 0.000 dB
Span = 110.8888 deg, Step = 0.8000 deg
Plot overlap: On
File name: H.nsi
-----
20150828-LTE(4G)-H
20150828 14.0.124, Release: 1, Environment and Settings (MSI/Desktop) 20
150828-LTE(4G) 10150828-LTE(4G)-H.nsi
Measurement date/time: 8/28/2015 9:08:25 AM, Filetype: HSI-97
Far-field CUG Analysis:
Avg width: -1.418 dB
-1. dB Beam width: 23.17 deg
-2. dB Beam width: 225.76 deg
-3. dB Beam width: 253.22 deg
Left Sidelobe: -1.47 dB at -125.713 deg
Right Sidelobe: -1.30 dB at -17.093 deg
Far-field display setup
Assembly (deg)
Span = 110.8888 deg, Center = 0.000 deg, Step = 0.800
Deg
Elevation (deg)
Center = 0.000 deg, Step = 1
Selected beam(s) 1 of 12
Span Frequency Azimuth Elevation Pol
-----
1 1.800 GHz Azimuth Elevation Single-pol
2 1.800 GHz Azimuth Elevation Single-pol
    
```

Far-field amplitude of 20150828-LTE(4G)-H.nsi



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Far-field amplitude, Spherical Linear, Tm = 0.000 deg
Gain = 0.6763 dBi
Max Far-field (global) = -40.6400 dB, Max Far-field (local) =
-40.6400 dB
Reference: Reference, Return offset = 0.000 dB
Span = 114.8888 deg, Step = 0.8000 deg
Plot overlap: On
File name: H.nsi
-----
20150828-LTE(4G)-H
20150828 14.0.124, Release: 1, Environment and Settings (MSI/Desktop) 20
150828-LTE(4G) 10150828-LTE(4G)-H.nsi
Measurement date/time: 8/28/2015 9:08:25 AM, Filetype: HSI-97
Far-field CUG Analysis:
Avg width: -1.776 dB
-1. dB Beam width: 21.10 deg
-2. dB Beam width: Not Found
-3. dB Beam width: Not Found
Left Sidelobe: -1.02 dB at 79.441 deg
Right Sidelobe: -0.45 dB at 141.133 deg
Far-field display setup
Assembly (deg)
Span = 114.8888 deg, Center = 0.000 deg, Step = 0.800
Deg
Elevation (deg)
Center = 0.000 deg, Step = 1
Selected beam(s) 1 of 12
Span Frequency Azimuth Elevation Pol
-----
1 1.800 GHz Azimuth Elevation Single-pol
2 1.800 GHz Azimuth Elevation Single-pol
    
```

CONTACTS

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