



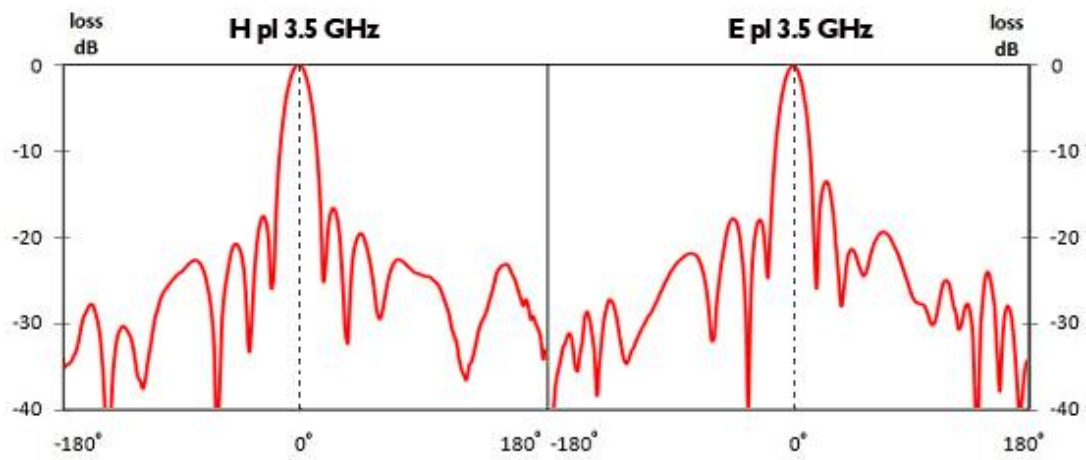
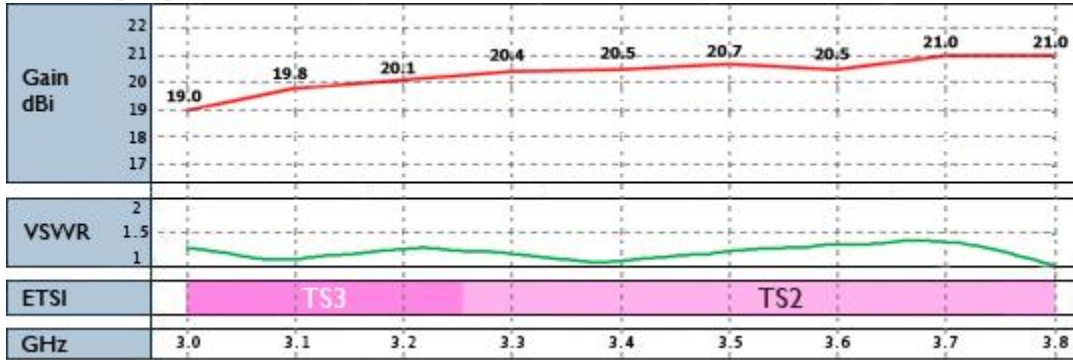
Panel Antenna FR-A-3101

This antenna works in all wireless technologies in which offered specifications are required.



FR-A-3101 Antenna Specifications (Panel 3.5 GHz):

<u>Electrical</u>	
Frequency Range	3.0 - 3.8 GHz
Gain	20 dBi
VSWR, max.	1.5
Polarization	Linear (Ver ; Hor)
3 dB Beamwidth, H-Plane, typ.	16.5°
3 dB Beamwidth, E-Plane, typ.	16.5°
Side Lobes, max.	-11 dB
Cross Polarization, max.	-16 dB
Front to Back Ratio, max.	-32 dB
Lightning Protection	DC Grounded
Input Power, max.	35 Watt
Input Impedance	50 Ohm
Connector	N-Type, Female
<u>Standard Compliance</u>	
ETSI EN 302 085 V1.2.3	TS2; TS3 Range 1
<u>Mechanical</u>	
Dimensions (HxWxD)	304.8 x 304.8 x 16.0 mm (12"x12"x0.63")
Weight	0.97 kg (2.1 lb)
Reflector	Aluminum, Iridite Coating
Radome	UV Stabilized Polycarbonate
Mount	See Ordering Options
RoHS 2002/95/EC	Yes
<u>Environmental</u>	
Temperature Range	-40° C to +80° C (-40° F to +176° F)
Wind Speed (survival)	200 km/h (~125 mph)
Vibration and Mechanical Shock	4M3 per IEC 60721
Waterproofing	IP67 per IEC 60529
Flammability	UL 94V-2
Solar Radiation (32° North)	2 years of Natural Tests
Humidity	95% per ETSI EN 300
Sea Fog	2 years of Natural Tests
Ice and Snow (survival)	25 mm (1") Radial
Service Life	> 10 years
<u>Marketing P.N.</u>	
Antenna Model FR-A-3101	FR08020001
Integrated Ant. Enclosure Version	



FRACTOM offers [Mounts](#) for this antenna.