



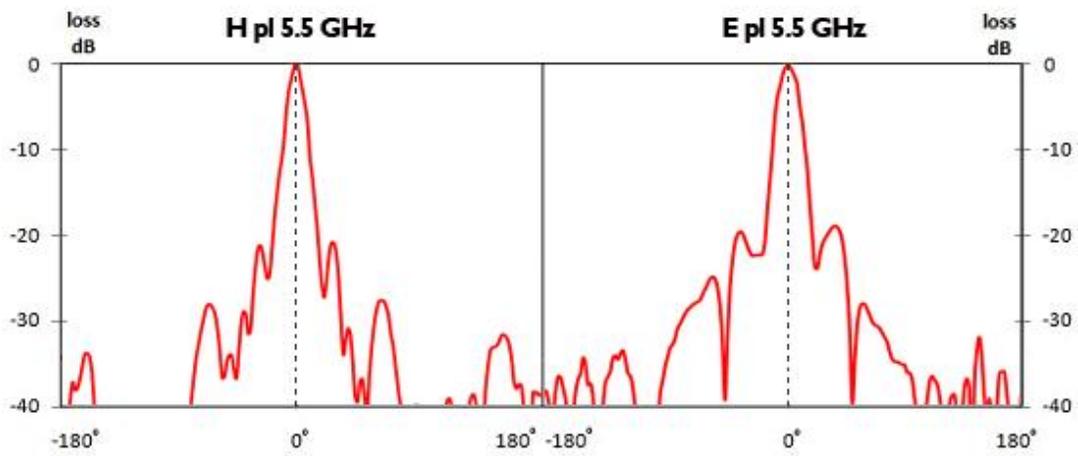
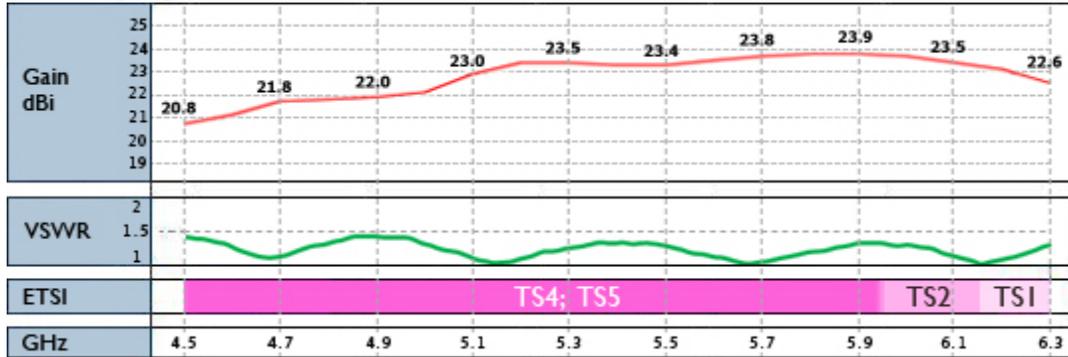
Panel Antenna FR-A-5101

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



FR-A-5101 Antenna Specifications (Panel 5.5 GHz):

<u>Electrical</u>	
Frequency Range	4.5 - 6.3 GHz
Gain	23 dBi ; 4.5-4.8 GHz @ 21 dBi
VSWR, max.	1.5
Polarization	Linear (Ver ; Hor)
3 dB Beamwidth, H-Plane, typ.	9.5°
3 dB Beamwidth, E-Plane, typ.	12°
Side Lobes, max.	-15 dB
Cross Polarization, max.	-20 dB
Front to Back Ratio, max.	-35 dB
Lightning Protection	DC Grounded
Input Power, max.	35 Watt
Input Impedance	50 Ohm
Connector	N-Type, Female
<u>Standard Compliance</u>	
4.5 – 5.9 GHz ETSI EN 302 085 V1.2.3	TS4; TS5 Range 1
6.0 – 6.3 GHz ETSI EN 302 085 V1.2.3	TS1; TS2 Range 2
<u>Mechanical</u>	
Dimensions (HxWxD)	304.8 x 304.8 x 16.0 mm (12"x12"x0.63")
Weight	1.0 kg (2.2 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-5101	FR08030001
Integrated Ant. Enclosure Version	



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