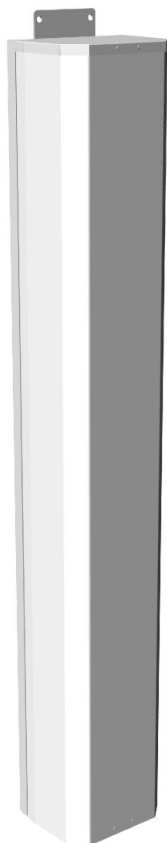


The 766 series of UHF Panel antenna has been designed to offer a very stable radiation pattern whilst giving a very wide bandwidth of operation. This approach enables the use of the antenna for multi carrier operation, and for use where site sharing is also a requirement. The antenna features carefully selected high quality components throughout including the main housing of the antenna being made from corrosion resistant marine grade aluminium. The antennas compact design gives very low wind loading characteristics, and combined with the low weight of the antenna, aids in the reduction of structural loading.

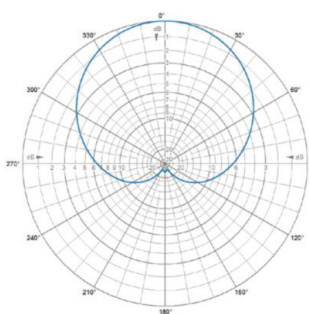


Low PIM Certified

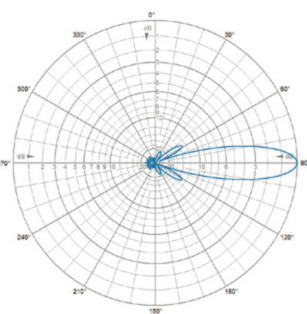
Frequency range	380 - 470MHz
Input Impedance	50Ω
VSWR	<1.5 : 1
Front to Back ratio	>20 dB
Maximum Input Power	2 x 400 Watts
Isolation between Input Ports	>27dB
Forward Gain	11dBi
Polarisation	±45°
3 dB Beamwidths	E Plane 18° +/- 2° H Plane 120° +/- 5°
Cross Polar Discrimination	>30dB
Beam Tilt Options	Electrical up to 15° (Please specify at time of order)
Intermodulation	3rd Order -153dBc for 2 x Tx @ 43dBm
Connection	7/16 DIN Female
Radome	White ASA capped ABS, UV Resistant
Housing	Aluminium Alloy, Marine Grade 5083
Lightning Protection	Direct Grounded
Mounting Brackets	Options to be Ordered separately (see below)
Weight	11kg (without mounting brackets)
Unpacked Dimensions	1840mm x 300mm x 216mm
Typical wind Load @ 45m/s	445N
Survival Wind Speed	75m/s

Free Space Radiation Patterns

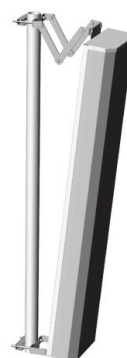
H-Plane



E-Plane



Mounting Accessories



766.7010
Tilt Bracket
Assembly
0 - 12° for
38-120mm
dia. tube

766.7020
Tilt Bracket
Assembly
0 - 22° for
38-120mm
dia. tube



766.700
Fixed
Bracket for
38-120mm
dia. tube