



WorldSpace Mobile Car Antenna

WSMAC-1



Omni-directional azimuth coverage and broad elevation beam for reception in extreme conditions.



Low profile and aerodynamic antenna for a discrete installation on all types of cars. The magnetic bottom ensures a simple and safe mounting.

Compatible with WorldSpace mobile receivers and backward compatibility with existing receivers like Tongshi, AMI, etc. thanks to the WSMAA-1 adapter.



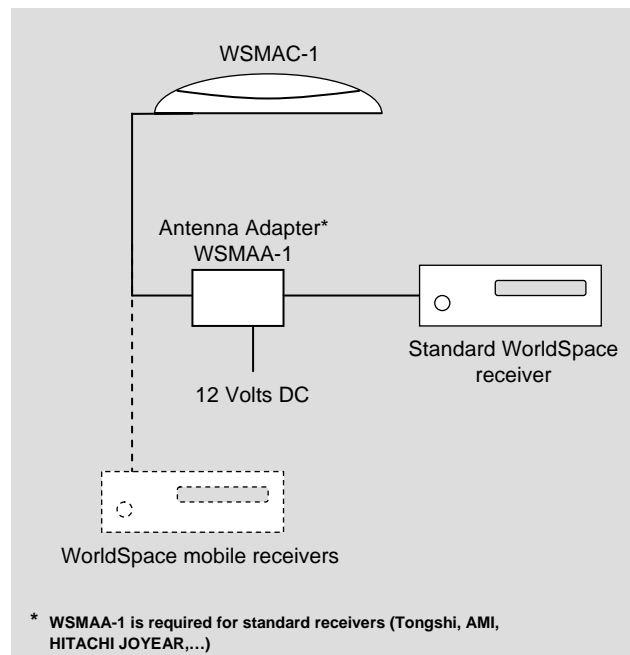
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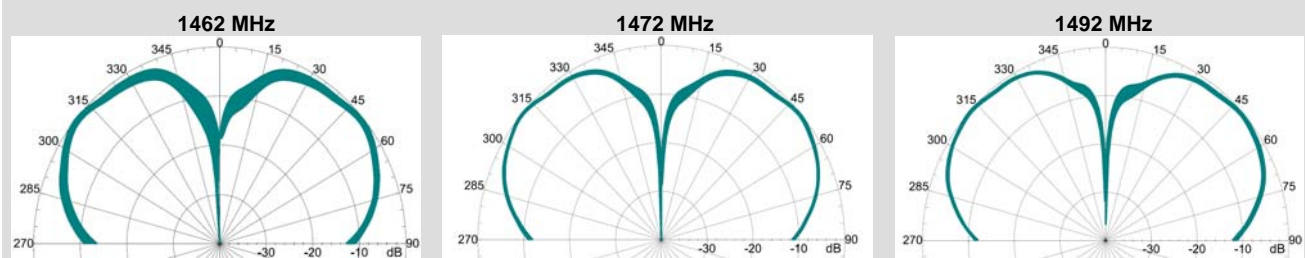
Antenna characteristics

Frequency band:	: 1462 - 1492 MHz
Polarisation:	: Dual circular RHCP and LHCP
Gain:	: > 3 dBic for $25^\circ < \text{elevation} < 70^\circ$ $0^\circ < \text{azimuth} < 360^\circ$
Elevation coverage	: $\sim 20^\circ \leq \alpha \leq 70^\circ$ average (Depends on satellite power flux)
Azimuth coverage	: $0^\circ \leq \varphi \leq 360^\circ$.
Supply voltage	: 6-8V (Through coaxial cable)*
Current consumption	: < 150 mA @ 25°C
Noise figure @ fR	: < 0.8 dB @ 25°C
Gain in pass band	: 27 dB \pm 2 dB
Linearity	: IP3=+3 dBm
Temperature range:	: -40°C to 80°C
Installation	: magnetic or screw mounting
Output	: 5 m RG174 coaxial cable with SMA male connector
Colour	: Black
Housing Characteristics	: Waterproof (IP65)

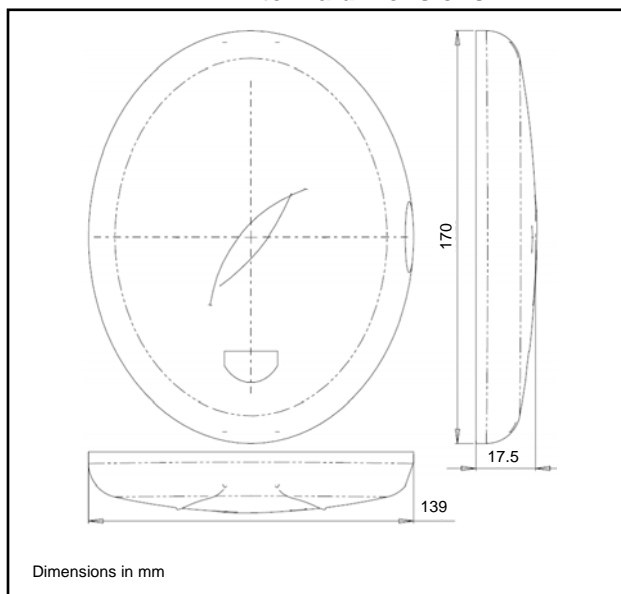
System Configuration



Antenna typical radiation patterns



Antenna dimensions



Available accessories

Antenna power supply adapter



WSMAA-1

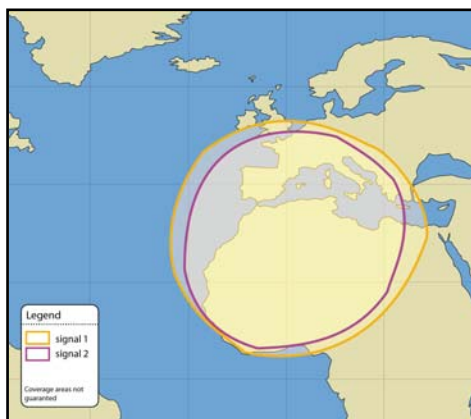


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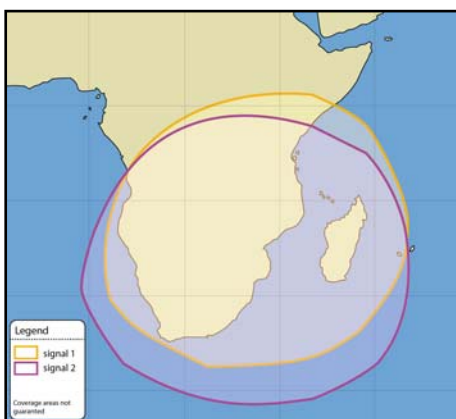
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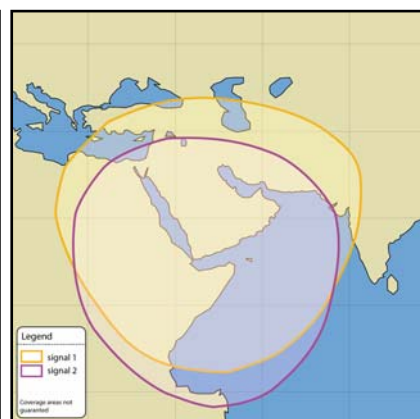
JAST Car Antenna - predicted coverage area - antenna horizontal



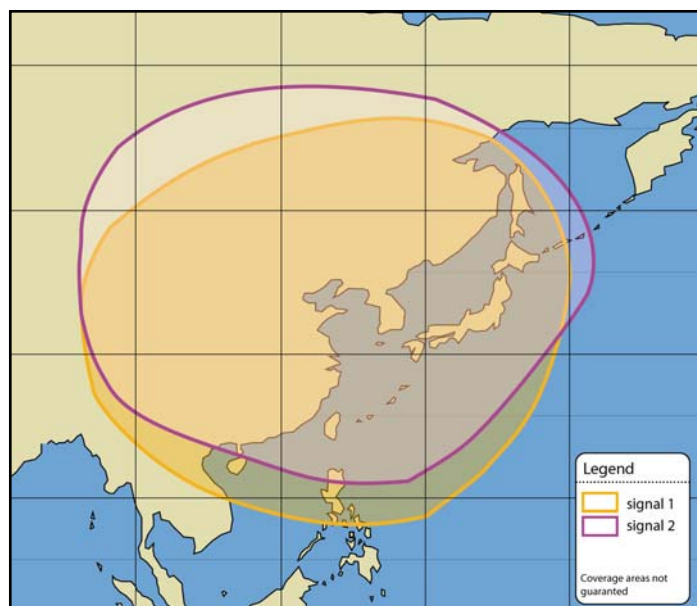
AfriStar North-West



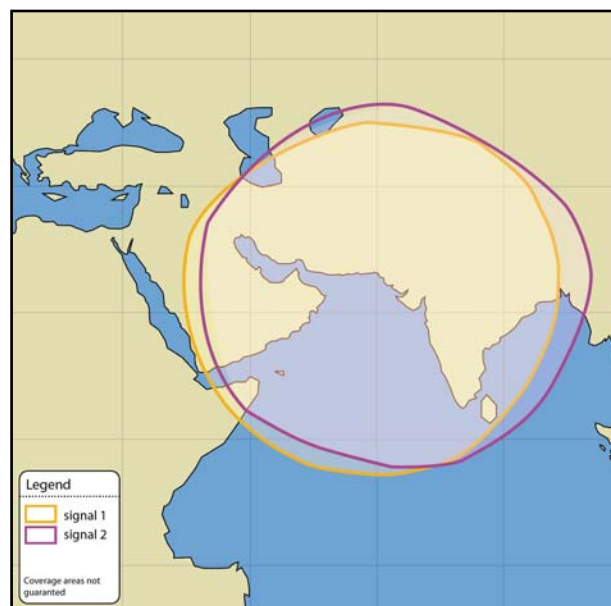
AfriStar South



AfriStar North-East



AsiaStar North-West



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