

Automatic DF Antenna 1 vs. Rohde & Schwarz ADD207

Profile Comparison

Narda Automatic DF Antenna 1

- ✓ **Situation awareness of the RF spectrum while DF** A central monopole is used as a reference element for DF and as an omnidirectional monitoring antenna. This allows a Spectrum View while direction finding.
- ✓ **High and reliable localization quality even in urban areas with reflection** Due to the large antenna aperture of 380 mm and the nine dipole elements, the automatic DF antenna has a high DF accuracy. Together with the heatmap localization algorithm, the localization results are very reliable, even in urban areas with lots of reflections.
- ✓ **Fast and easy setup** No additional laptop necessary. Simply connect the automatic DF antenna to the SignalShark and start localization.
- ✓ **SWaP:** Size (H x Ø) 219 mm x 480 mm (8.62" x 18.9"), Weight 5.6 kg (12.3 lbs), powered by SignalShark.



Rohde & Schwarz ADD207

- ✗ No elevation
- ✗ Additional Laptop and expensive PC software "R&S@MobileLocator" required to automatically locate a transmitter from a moving DF vehicle.
- ✓ Size (H x Ø) ~ 270 mm x 333 mm (10.63" x 13")
Weight ~ 6 kg (13.23 lbs), powered by basic unit.



Key Specification Comparison

	Narda Automatic DF Antenna 1	Rohde & Schwarz ADD207
Frequency range	200 MHz to 2.7GHz	600 MHz to 6 GHz
Integrated electronic compass	✓ Yes	✓ Yes
Integrated GPS with antenna	✓ Yes	✓ Yes
Elevation	✓ Yes	✗ No
Antenna elements	✓ 9-element circular array + 1 reference element	✗ 8-element circular arrays
Antenna aperture	✓ 380 mm	?
Omnidirectional antenna element	✓ Separate	✗ Sum of 8 elements
Polarization	Vertical	Vertical
DF method	correlative interferometer	correlative interferometer
DF speed (cycle time)	✓ down to 1.2 ms	?
DF accuracy	✓ 1° RMS (typ.)	✓ 1° RMS (typ.)
Price % of \$ automatic DF Antenna only:	✓ 100%	170%
Price % of \$ complete automatic DF System:	✓ 100%	181%