



## A.H. Systems, Inc.

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## TDS-535

### Tuned Dipole Antenna Set

25 MHz - 1 GHz

These half-wavelength dipole antennas are an ideal solution for precise EMI measurements.



Frequency Range: 25 MHz - 1 GHz

Impedance: 50  $\Omega$

#### Physical Dimensions

Antenna Case: 28" x 23" x 7"

Weight: 19 lbs.

#### Features

- Total Frequency Range of 25 MHz – 1 GHz
- Receive and Transmit
- Individually Calibrated ( 3 and 10 Meter calibration included, horizontal polarization)
- FCC, MIL-STD, VDE and site attenuation testing
- Rugged Construction

Model TDS-535 Tuned Dipole Set provides an accurate standard for precise EMI and site attenuation measurements (per OET-55 and ANSI C63.5). Our half wave Dipole Set is manufactured per the FCC balun design and is individually calibrated per ANSI C63.5 at 3 and 10 Meters. This Tuned Dipole Set should be considered as a standard reference for frequencies below 1000 MHz. All Sets come contained in a rugged, lightweight storage case and includes four Baluns, Element extension rods, telescoping Elements, 10 Meter Cable, Tape Measure and a Clamp for tripod mounting.

#### Included equipment

Model Number	Frequency Range	Description
FCC-1	290 MHz – 2 GHz	Tuned Dipole Antenna
FCC-2	20 MHz – 330 MHz	Tuned Dipole Antenna
FCC-3	9 KHz – 60 MHz	Tuned Dipole Antenna
FCC-4	20 Hz – 2 MHz	Tuned Dipole Antenna
SAC-213-10	20 Hz – 1 MHz	10 Meter N(m) to N(m) cable
TSC-535		Transit Storage Case
		Extension elements
		Telescoping elements
		Balun Mounting Clamp
		Tape Measurer

#### Recommended Accessories

- ATU-510 (Antenna Tripod Unit, wooden)
- AEH-510 (Azimuth and Elevation Head, Plastic)
- PAM-0202 (Preamplifier)
- SAC-213-0.5 (0.5 meter N/N Cable)



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### Antenna Factor Tuned Dipole Set - 3 m. TDS-200/535

Conversion of meter reading

to field strength:

$\text{dBuV/m} = \text{dBuV} + \text{AF} + \text{cable loss}$

