



- **From 10 to 750 GHz**
- **Sharp edged**
- **One piece aluminum probe**
- **Long-length probes**
- **Clamping structures available**

Description

Anteral has extensive background in the design of Near Field Probes (open ended waveguides probes). Our Near Field Probes are currently being used in several laboratories around the world including the ESA's anechoic chamber.

Anteral designs Near Field Probes from 10 GHz to 750 GHz covering the sector's requirements. Moreover, our Near Field Probes have a sharpened design minimize reflections.

Custom Near Field Probes are available under client's request.

Applications

- Anechoic Chambers
- Laboratory measurements
- Near Field measurements

Optional under request

- Clamping structure
- Absorbent material

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Mechanical and Electrical Specifications

	Description
Flange	Standard UG-387 U/M
Fabrication	In a single aluminum piece
External color	Ruby Red
Material	Aluminum

Table 1: Mechanical specifications of NFP antennas.

	Description
VSWR	< 1.6 dB
Gain	6 dB
Cross Pol. Isolation	< -30 dB

Table 2: Electrical specifications of NFP antennas (typical values).

Specifications

Model	Input waveguide	fmin [GHz]	f0 [GHz]	fmax [GHz]	Length [mm]
NFP-WR75	WR-75.0	10	12.5	15	200
NFP-WR42	WR-42.0	17.5	22	26.5	200
NFP-WR28	WR-28.0	26.5	33.25	40	200
NFP-WR15	WR-14.8	50	62.5	75	100
NFP-WR10	WR-10.0	75	92	110	40
NFP-WR08	WR-8.0	90	110	140	40
NFP-WR06	WR-6.5	110	140	170	40
NFP-WR05	WR-5.1	140	180	220	40
NFP-WR04	WR-4.3	170	215	260	15
NFP-WR03	WR-3.4	220	275	330	15
NFP-WR2.8	WR-2.8	260	330	400	15
NFP-WR2.2	WR-2.2	330	415	500	15

Table 3: Size and operating frequency of each antenna model.

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