

Probes – Millimeter / THz Near Field Probes

General Features

- Frequency coverage: 50 – 1100 GHz
- Near Field Scanning Applications
- Standard waveguide interfaces
- Quasi-uniform main beam
- Precision machining
- Custom designs



Fig 1 WR1.0 15 mm Waveguide Probe

Specifications

Model	Frequency (GHz)	Standard Length, mm	VSWR, typical	Waveguide
THZWGP-15-XX	50 – 75	100.0	< 1.1	WR 15
THZWGP-10-XX	75 – 110	100.0	< 1.1	WR 10
THZWGP-08XX	90 – 140	100.0	< 1.1	WR 08
THZWGP-06XX	110 – 170	100.0	< 1.2	WR 06
THZWGP-05XX	140 – 220	50.0	< 1.2	WR 05
THZWGP-04XX	170 – 260	50.0	< 1.25	WR 04
THZWGP-03XX	225 – 325	50.0	< 1.5	WR 03
THZWGP-2.8XX	260 – 400	35.0	< 1.5	WR 2.8
THZWGP-2.2XX	330 – 500	35.0	< 1.75	WR 2.2
THZWGP-1.5XX	500 – 750	35.0	< 1.75	WR 1.5
THZWGP-1.0RS	750 - 1100	25.0	< 1.75	WR 1.0

Notes

1. Suffix – XX denotes length. Standard lengths are shown above. Custom lengths available.
2. Flange types above 110 GHz (WR10) may vary. Specify your flange requirement above WR10.
3. Probe material is copper or copper alloy gold plated.

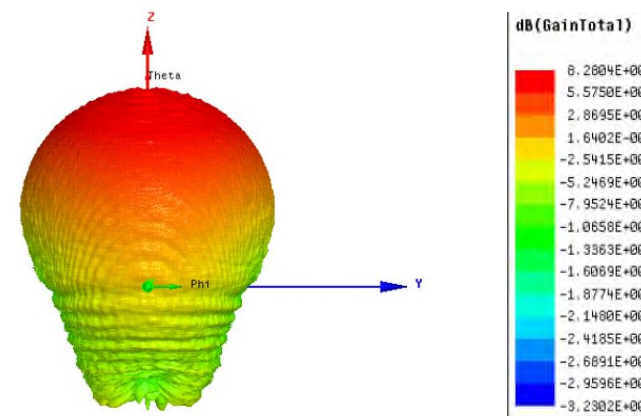


Fig 2 THZWGP-03 simulated antenna pattern

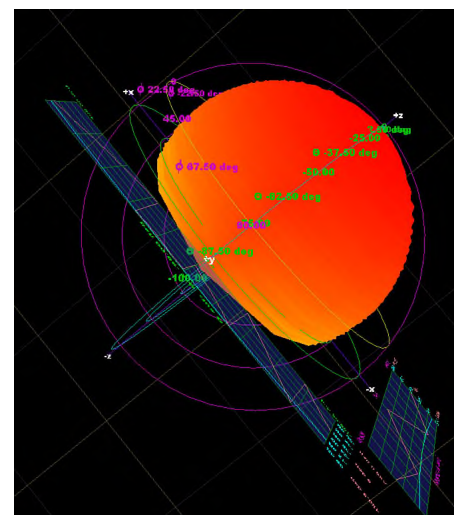


Fig 3 THZWGP-08 measured antenna pattern @ 110 GHz