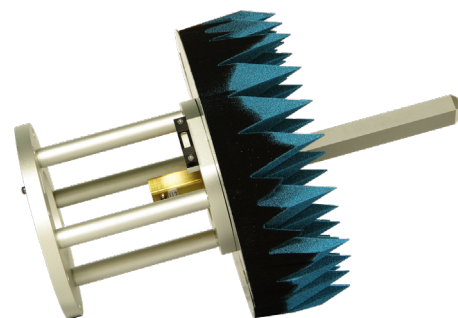


Open-Ended Waveguide Probes



LOW CROSS POLARIZATION, LIGHTWEIGHT AND HIGH-PRECISION DESIGN AND MANUFACTURING THAT MAKE OE-RWP FAMILY EXCELLENT FOR ANTENNA TEST RANGE FEEDS

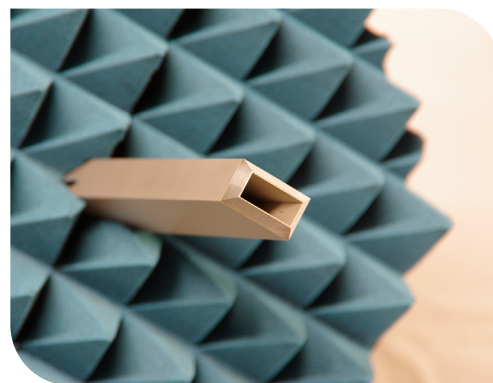


Overview

Open-ended rectangular waveguide probes are based on standard rectangular waveguides. Probes are provided with integrated waveguide-to-coax adapters with SMA or K connectors.

Open-ended rectangular waveguide probes are wideband operation, covering all standard waveguide bands. Custom frequency bands are available upon request.

High precision mounting interfaces with levels and absorber plates customized for each probe for anechoic chamber application and detailed calibration report (option).



KEY FEATURES

- * Linear polarization
- * Wide bandwidth
- * Low cross polarization
- * High precision design
- * High precision manufacturing
- * Lightweight

OPTIONS

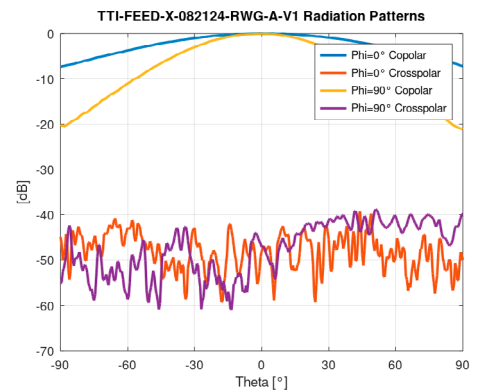
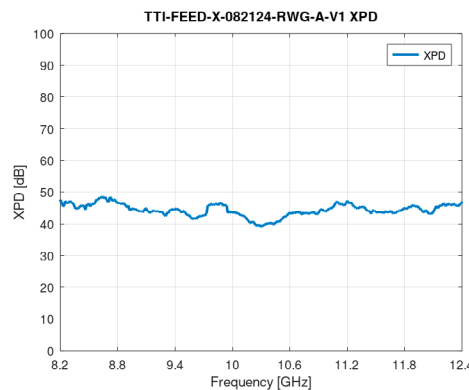
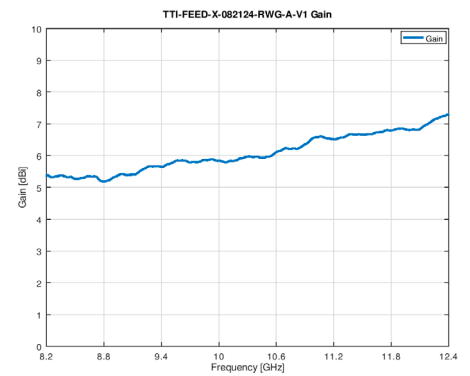
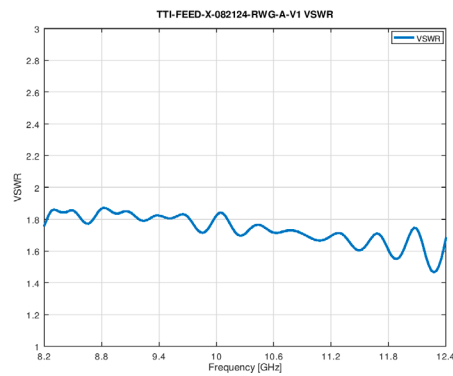
- * Detailed calibration report
- * Absorber collar
- * Custom mounting interface
- * Storage case

Applications

- * Planar and cylindrical near-field antenna test range feeds, since radiation characteristics of rectangular waveguides can be well predicted by analytical formulas that facilitate a simplified probe pattern correction

PRODUCT CODE	WG band	Freq. range [GHz]	VSWR	Gain ¹ [dBi]	Crosspolar discrimination ² [dB]		RF interface
					Target	Typical	
TTI-FEED-UHF-004007-RWG-A	WR-1500	0.49 – 0.75	< 2.1:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-UHF-007011-RWG-A	WR-975	0.75 – 1.12	< 2.1:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-UHF-009015-RWG-A	WR-770	0.96 – 1.50	< 2.1:1	6.5 ± 0.5	> 40	> 35	7/16 (f) - N (f)
TTI-FEED-L-011017-RWG-A	WR-650	1.12 – 1.70	< 2.1:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-R-017026-RWG-A	WR-430	1.70 – 2.60	< 2.1:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-S-026039-RWG-A	WR-284	2.60 – 3.95	< 2.1:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-E-033049-RWG-A	WR-229	3.30 – 4.90	< 2.1:1	6.5 ± 0.5	> 40	> 35	7/16 (f) - N (f)
TTI-FEED-G-039058-RWG-A	WR-187	3.95 – 5.85	< 2.1:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-C-058082-RWG-A	WR-137	5.85 – 8.20	< 2.1:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-H-070100-RWG-A	WR-112	7.05 – 10.00	< 2.1:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-X-082124-RWG-A	WR-90	8.20 – 12.40	< 2.1:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-XKu-100150-RWG-A	WR-75	10.00 – 15.00	< 2.1:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-Ku-124180-RWG-A	WR-62	12.40 – 18.00	< 2.1:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-K-180265-RWG-A	WR-42	18.00 – 26.50	< 2.2:1	6.5 ± 0.5	> 40	> 35	SMA (f)
TTI-FEED-Ka-265400-RWG-A	WR-28	26.50 – 40.00	< 2.2:1	6.5 ± 0.5	> 40	> 35	K (f)
TTI-FEED-U-400600-RWG-A	WR-19	40.00 – 60.00	< 2.1:1	6.5 ± 0.5	> 40	> 35	UG-383/ U-M flange
			< 2.2:1				1.85 mm (f)
TTI-FEED-V-500750-RWG-A	WR-15	50.00 – 75.00	< 2.1:1	6.0 ± 0.5	> 40	> 35	UG-385/ U-M flange
TTI-FEED-W-7501100-RWG-A	WR-10	75.00 – 110.00	< 2.1:1	6.0 ± 0.5	> 40	> 35	UG-387/ U-M flange

 Typical measured data



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Information contained in this document is subject to change without notice.

Custom frequency bands are available upon request.