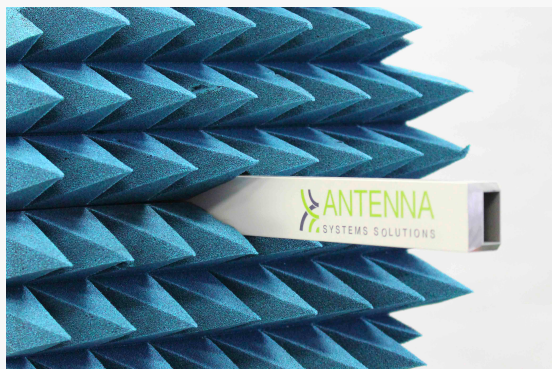
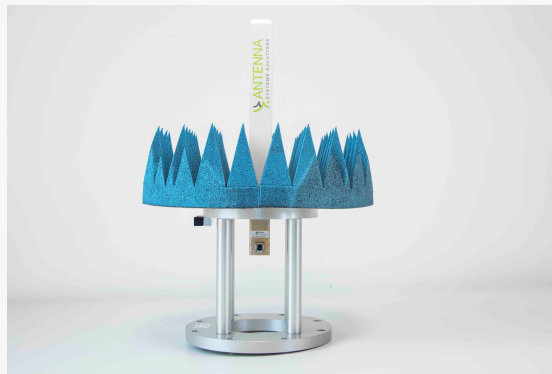
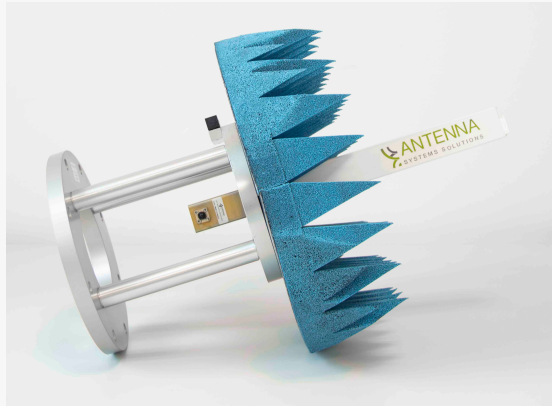


OPEN-ENDED RECTANGULAR WAVEGUIDE PROBES



Open-ended Rectangular Waveguide Probes (RWG) are commonly used as near-field probes in planar near-field and cylindrical near-field antenna measurements. The probe design is based upon standard rectangular waveguides and consequently the probes can be manufactured for any standard frequency band from 500MHz up to 60GHz. The radiation characteristics of RWG can be well predicted by analytical formulas that facilitate a simplified probe pattern correction.

ASYSOL RWGs are equipped with an integrated coaxial connector, absorber shield, and dedicated mechanical interface with a standardised mounting flange.

All RWGs are supplied with a test report, including measurement results of the main characteristics:

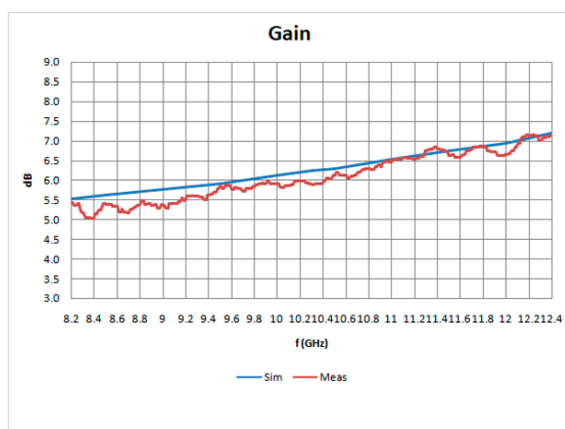
- » Reflection coefficient
- » Sweep gain
- » Sweep on-axis cross-polarisation
- » Pattern at a series of frequencies across the band

WHERE
INNOVATION
IS STANDARD

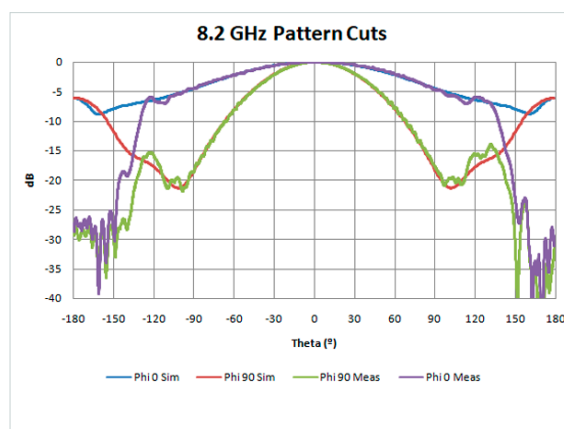
PRODUCTS OF ASYSOL

Near/Far-Field Ranges · Compact Antenna Test Range · Test Antennas · Motion components · Special Positioning Configuration · Anechoic Chambers · Software

MODEL NO.	WR	Frequency band GHz]	Nominal gain [dBi]	VSWR	Cx-pol [dB]
ASY-RWG-005	1500	0.5 – 0.75	6	< 2.2:1	< -40
ASY-RWG-007	975	0.75 – 1.1	6	< 2.2:1	< -40
ASY-RWG-011	650	1.1 – 1.7	6	< 2.2:1	< -40
ASY-RWG-017	430	1.7 – 2.6	6	< 2.2:1	< -40
ASY-RWG-026	284	2.6 – 3.9	6	< 2.2:1	< -40
ASY-RWG-039	187	3.9 – 5.8	6	< 2.2:1	< -40
ASY-RWG-058	137	5.8 – 8.2	6	< 2.2:1	< -40
ASY-RWG-070	112	7.0 – 10.0	6	< 2.2:1	< -40
ASY-RWG-082	90	8.2 – 12.4	6	< 2.2:1	< -40
ASY-RWG-100	75	10.0 – 15.0	6	< 2.2:1	< -40
ASY-RWG-124	62	12.4 – 18.0	6	< 2.2:1	< -40
ASY-RWG-150	51	15.0 – 22.0	6	< 2.2:1	< -40
ASY-RWG-180	42	18.0 – 26.5	6	< 2.2:1	< -40
ASY-RWG-220	34	22.0 – 33.0	6	< 2.2:1	< -40
ASY-RWG-265	28	26.5 – 40.0	6	< 2.2:1	< -40
ASY-RWG-400	19	40.0 – 60.0	6	< 2.2:1	< -40



Simulated vs. measured gain over frequency



Simulated vs measured radiation pattern at 8.2GHz

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