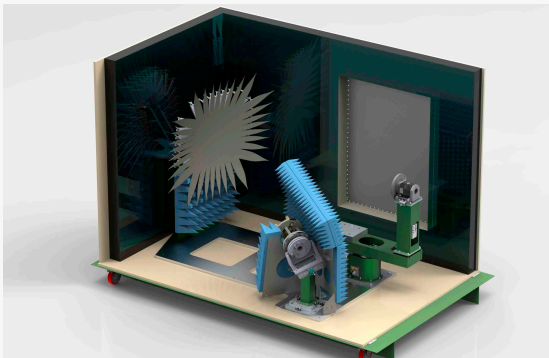
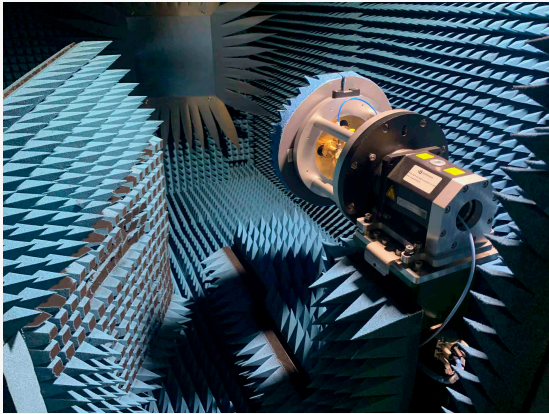


MINI COMPACT ANTENNA TEST RANGE



To provide the highest performance in line with the specific demands to test 5G devices, a line of small-size mobile CATR setups, so-called **mini-CATR**, was developed. These setups feature all desired properties of their larger counterparts but can also be easily moved to another location by unlocking the installed wheels. The design includes a rigid and stable bottom structure-preserving the CATR geometry at all times and allowing relocation without the need for additional alignment.

The mini-CATRs are typically provided with QZ sizes ranging up to Ø0.5 m and are mainly used for frequencies above 18 GHz, however, versions down to 3 GHz are available as well. Both serrated edge and blended rolled edge reflectors can be provided depending on specific requirements. Each of these solutions has its advantages and drawbacks and the customer has the freedom to choose what is the most appropriate. If so required, both of these solutions can be further tailored to the specific measurement application of the mini-CATR.

If applicable, the Millimetre-wave converters are integrated into the mechanical and RF setups allowing easy plug-and-play changing the frequency bands. Customization of the setup can also be provided to allow multiple control and power lines for active Devices Under Test through power chains integrated into the rotary positioners. Open and free controller API with full support from ASYSOL allows programming any specific DUT motion sequence as desired for a particular application

APPLICATIONS

- * Passive Antenna Measurements
- * Active Devices Measurements
- * 5G Devices Measurements

WHERE
INNOVATION
IS STANDARD

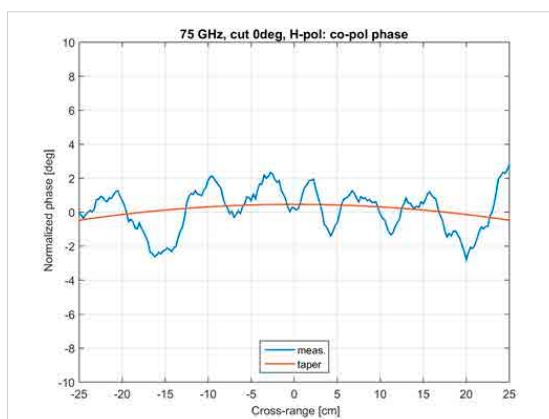
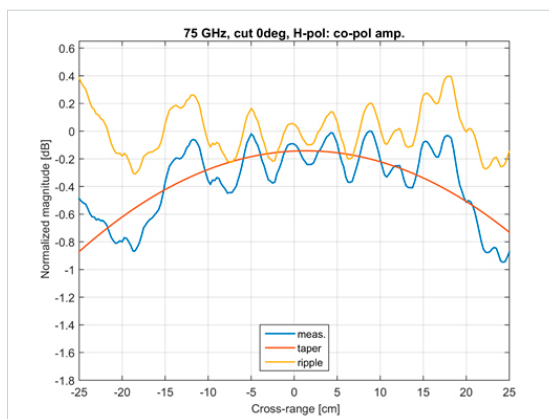
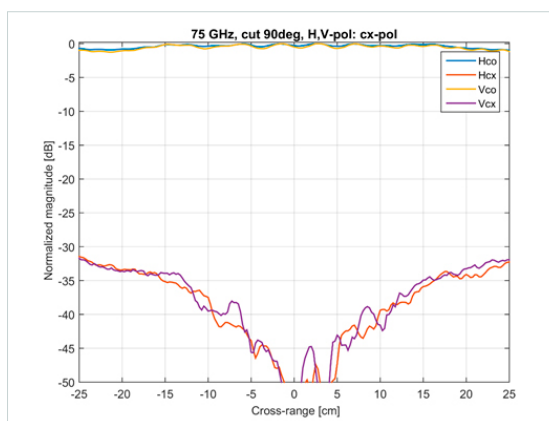
PRODUCTS OF ASYSOL

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

MODEL NO.	Freq. range [GHz]	Feed Location ⁽¹⁾	Shape ⁽²⁾	Quiet Zone Size [m]	Amplitude Taper [dB]	Typ Amplitude Ripple [dB]	Phase Taper [deg]	Typ Phase Ripple [deg]	Max Cross Pol [dB]	Chamber dimensions [m]
ASY-mCR-04	10 - 200	CF	C	0.4 x 0.4	<1	±0.3	3	±3	28	2.6 x 1.6 x 1.8
ASY-mCR-05	8 - 200	CF	C	0.5 x 0.5	<0.8	±0.3	5	±2	28	4 x 2.5 x 2.4

⁽¹⁾ FF=Front Fed, CF=Corner Fed, LF=Lateral Fed

⁽²⁾ C=Cylindrical E=Elliptical



ANTENNA SYSTEMS SOLUTIONS

C/ Isabel Torres 9
39011 Santander
Cantabria · SPAIN

sales@asysol.com
www.asysol.com
+34 942 05 04 85