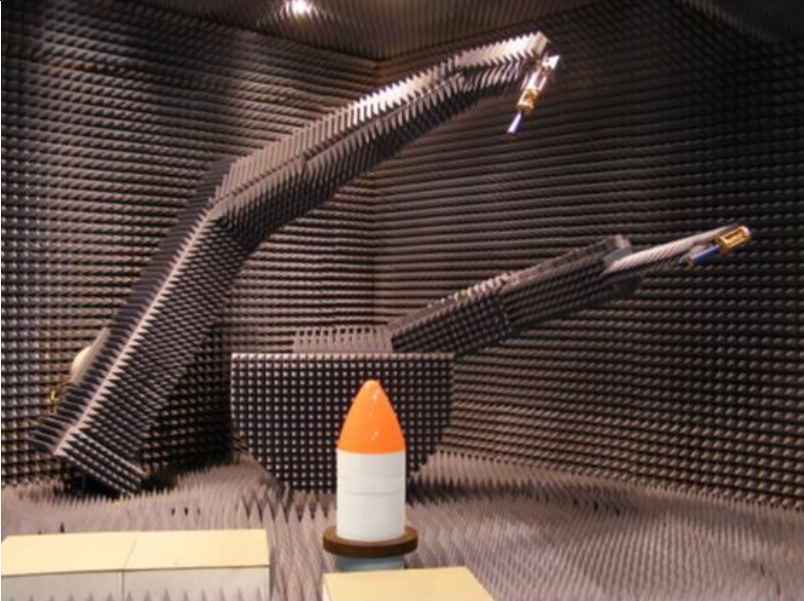


 MINISTERIO DE DEFENSA	SECRETARIA DE ESTADO DE DEFENSA  INSTITUTO NACIONAL DE TECNICA AEROSPACIAL	Doc. Nº.: EM-INS-4943-001-INTA	
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GENERAL DATA	
Equipment / System name:	BIANCHIA (Bistatic ANechoic CHAmber)
Equipment / System number:	-
Alias:	BIANCHIA
Location:	Building INTA B-14
Picture(s):	

TESTING CAPABILITIES	
Types of tests that can be carried out in the Facility	Electromagnetic absorption measurement of materials with various possible configurations of the arc method. Electromagnetic characterization of materials in free space. Measurement of the effect of radomes and coatings in radiation or dispersion diagrams. Monostatic and bistatic radar cross section measurements. Research on new near field measurement techniques for antennas and radar signature.
Maximum dimensions of the equipment under test	Depend on frequency range
Restrictions / Limitations	N/A
Remarks	Chamber dimensions: 7,1 m x 6,3 m x 3,8 m Weight of the equipment under test $\leq$ 50 Kg

TECHNICAL CHARACTERISTICS	
General Characteristics	Multi-use facility Programmable movements to suit test/client needs Full bistatic hemispherical system
Test frequency	800 MHz – 26,5 GHz
Distance probes - center	1,7 meters
Complete polarimetric capacity	Copolar and Crosspolar
High angular accuracy of the positioning device	$\pm 0,05^{\circ}$
Table precision	$\pm 0,0015^{\circ}$
Target Positioner Accuracy	$\pm 0,00275^{\circ}$
Inner Arm Accuracy	$\pm 0,042^{\circ}$
Outer Arm Accuracy	$\pm 0,029^{\circ}$
Maximum rotation speed of positioners	2 rpm
Angular range elevation positioners	$\pm 100^{\circ}$
Angular range azimuth positioners	$\pm 200^{\circ}$
Table leveling	$\pm 0,1$ mm
Target Positioner Leveling	$\pm 0,023$ mm
Inner Arm Leveling	$\pm 0,314$ mm
Outer Arm Leveling	$\pm 0,16$ mm

DRAWINGS / SCHEMES (if applicable)

N/A