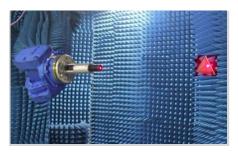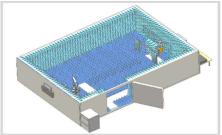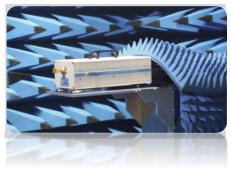# Educational Small Model Commercial Radar and Antenna Testing System in Chamber

Specifications

Gain Repeatibility, Typ	0.05 dBi
HPBW Repeatibility, Typ	0.08 deg
SLL-20db Repeatibility,rms	0.12 deg
SLL-30db Repeatibility,rms	0.2 deg
System Angular Accuracy	0.03 deg
System Pointing Accuracy	0.1 deg
DUT Re-position Accuracy	0.1 deg
Back Slash Angle	0.02 deg
Auto Coordinates Calculation	6_Axis(c_d,c_s,c_p,c_t,c_f,c_b)
Tx Typ Rotary Range	POL: ±180° EL: +/-90° AZ: +/-90°
Rx Typ Rotary Range	AZ1: ±180° POL: ±180° EL: ±50° AZ2: ±50°
Tx Rotary Range(> 77GHz)	POL: ±125° EL: +/-10° AZ: +/-10°
Rx Rotary Range(> 77GHz)	AZ1: ±180° POL: ±180° EL: ±40° AZ2: ±50°
LOS Alignment DOF	6 DOF
System Drive	Full Servo Drive
Testing Distance, Typ	3.0m
Rotation Speed	0.1° /s ~ 4° /s
Position Resolution,Typ	0.02mm RMS
Tx Side Max Weight	4kg
Rx Side Max Weight	25kg

Specifications

Control Unit	Industrial PC + LED
Power Supply	100-240/380 VAC; 50/60 Hz, 3500 watts
Usage Temperatue Range	0-40deg
Storage Temperature Range	-10~60deg
Product Dimension	Compact ()
Typ Anechonic Chamber	3.0m x 5.0m x 2.8m [Office-Model]
Testing Modes	Farfield, Multi-hybrid
System Self-Calibration	Not Included
Real Time CCTV	Not Included
Software Licenses	Educational Lic.
Std Option: Manual Calibration Toolkit	Not Included
Std Option: Automatic Calibration Toolkit	Not Included
Std Option: Production line automation and reporting feature	Not Included
Type 1 Mode: Angular Calibration Functionality using Corner Reflectors	Included
Type 2 Mode: ERIP Pattern Measurement Functionality	Included
Type 3 Mode: Radar Simulator Testing Functionality	Not Included
Type 4 Mode: Radar Angular Calibration Measurement Functionality	Not Included
Type 5 Mode: System Noise Measurement Functionality	Not Included
Type 6 Mode: System RCS Pattern Measurement Functionality	Not Included
Type 7 Mode: Passive Component Pattern Measurement Functionality	Included
Type 8 Mode: ERIR Frequency Sweep Measurement Functionality	Not Included