



## ASSEMBLIES OF MONOSTATIC RECTILINEAR POLARIZATION LUNEBERG REFLECTORS

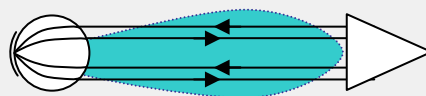
**R.C.S. Measurements**

Assemblies of reflectors are delivered with the percentage of coverage over 360° of the minimum RCS guaranteed (Radar Cross Section). More over, a RCS pattern over 360° at 9,375GHz is given in the statement of conformity. Further measurement options (patterns, other frequencies...) on specific request.



**Response**

Monostatic



Radar transmitter & receiver

**Polarization**

Rectilinear. The reflected wave is on the same plane as the wave interrogating the reflector

**Metallization**

Metallization optimized to decrease the impact of interactions between reflectors

**Radom**

Waterproof composite protection (also against salted ambiance).

**Standard fixing**

Aluminum



or composite

**Specific packaging**

Packing case made of wood and specifically developed



**⚠ Precautions of use**

The response of the assembly of reflectors depends on the environment.  
 ● Avoid any object (especially metallic) positioned between the lens and the radar (strap, screw...)



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RECTILINEAR POLARIZATION  
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Reference	Measuring frequency (GHz)	Nb of reflectors	Minimum Radar Cross Section guaranteed (sqm)	Diameter of the reflector		Overall dimensions (cm)	Total weight (kg)
				(inches)	(cm)		
B6XMR05	9,375	6	0,8sqm over 75% of coverage over 360°	4,9	12	Ø 65 / h 20	8
B5XMR07	9,375	5	4sqm over 75% of coverage over 360°	7,0	18	Ø 75 / h 24	12
B4XMR08.5	9,375	4	8sqm over 75% of coverage over 360°	8,5	22	Ø 84 / h 27	15
B3XMR18	9,375	3	80sqm over 75% of coverage over 360°	17,5	44	Ø 106 / h 73	80

