



ACTIVE RADAR REFLECTORS WITH
ADJUSTABLE R.C.S.: LUNA207V-65 /
LUNA207V-70 / LUNA207V-80

Specifications	Frequency range	2 to 7 GHz	Amplifier unit with adjustable gain in L and C bands, allowing modification of resulting R.C.S. value.
	Gain	65, 70 or 80 dB max	
	Digital attenuator on 8 bits	0 to 32 dB by step of 0.125 dB	
	DC power supply	9/36 V	
		1.3 A	
	Working temperature	0 to +50°C	
Dimensions	129 x 110mm h=62mm		

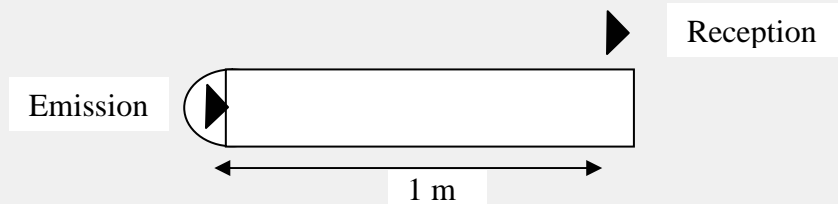
The gain will be adjustable with the attenuator command, in order to obtain the requested R.C.S.

Measurements Each unit is delivered with 2 gain patterns for attenuator adjusted to 0 and 20dB.

- Options**
- Supply of circular polarization wide band antennas with +/-80° of aperture
 - Supply of rectilinear polarization narrow band antennas with +/-70° of aperture
 - Supply of antennas to specification (rectilinear or circular polarization)
 - Supply of cables (length upon request)

Usage precautions

- In order to avoid coupling, the antennas must be at least 1 m apart with minimum of 100mm between axes.



Examples of R.C.S. in circular polarization

Max gain = 65 dB

Frequency (GHz)	Min R.C.S.	Max R.C.S.
3	1.6 m ²	2516 m ²
5	0.6 m ²	905 m ²

Max gain = 70 dB

Frequency (GHz)	Min R.C.S.	Max R.C.S.
3	5 m ²	7957 m ²
5	1.8 m ²	2865 m ²

Max gain = 80 dB

Frequency (GHz)	Min R.C.S.	Max R.C.S.
3	50 m ²	79577 m ²
5	18 m ²	28648 m ²

