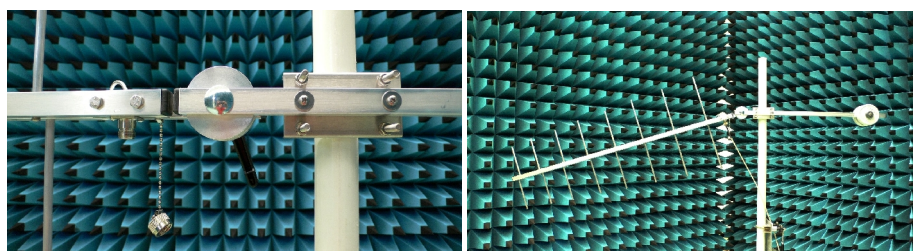
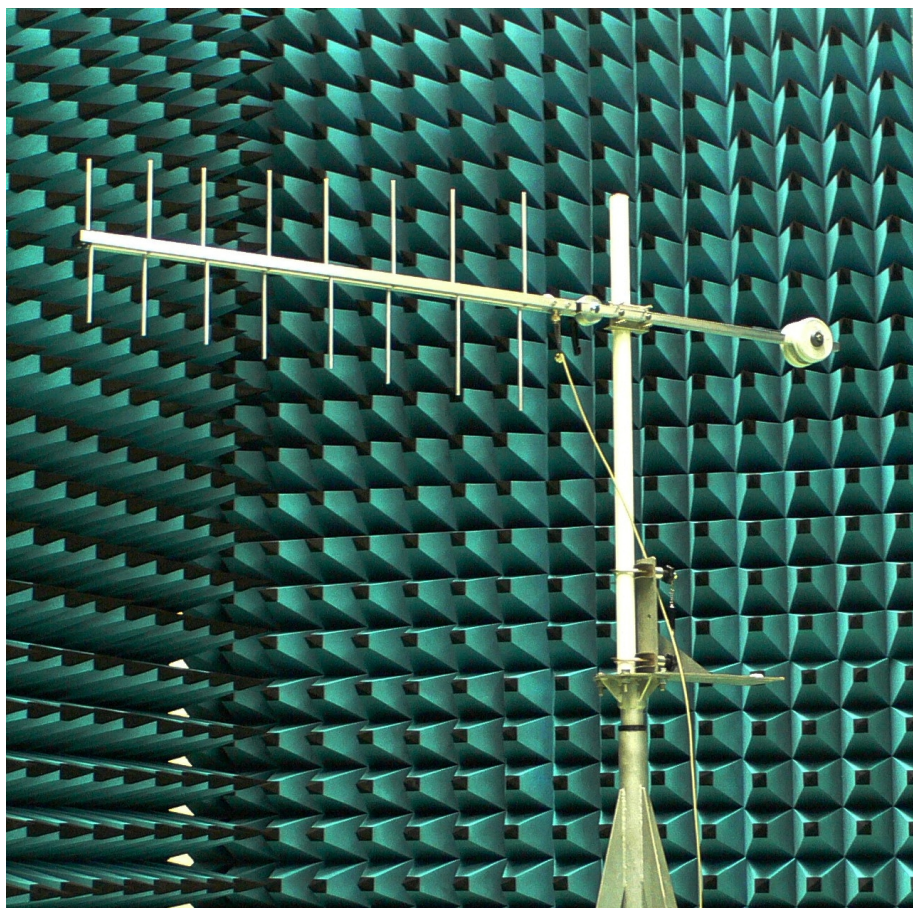


LL9891V - LL7164V LL7971V

LOGARITHMIC ANTENNA

ElettroMagnetic Services
SRL

- For field applications
- Stainless steel bracket with downtilt and counterpoise
- Customization available



mast bracket with mechanical downtilt

mechanical downtilt with counterpoise boom extension

ELECTRICAL

Frequency	305 ÷ 330 MHz	(LL9891V)
	380 ÷ 420 MHz	(LL7971V)
	420 ÷ 470 MHz	(LL7164V)

Polarization	linear vertical	
VSWR	< 1.5	
Gain	10 dBi	(LL9891V)
	11 dBi	(LL7971V)
	11.5 dBi	(LL7164V)
Front-to-back ratio	> 18 dB	(LL9891V)
	> 20 dB	(LL7971V)
	> 20 dB	(LL7164V)
HPBW (Az × El)	64° × 52°	(LL9891V)
	60° × 48°	(LL7971V)
	60° × 45°	(LL7164V)
Power rating	100 W cw	
Lightning protection	DC grounded	

MECHANICAL

Connector	N-female, 50 Ω	
Boom × element length	1180 × 465 mm	(LL9891V)
	1200 × 378 mm	(LL7971V)
	1140 × 342 mm	(LL7164V)
Counterpoise arm length	710 mm	
Ant. mass / Total mass	1570 g / 4440 g	(LL9891V)
	1600 g / 4470 g	(LL7971V)
	1460 g / 4330 g	(LL7164V)
Wind loading	≈ 10 kg @ 150 km/h	
Standard finish	anodized aluminium, stainless steel hardware	

MOUNTING

Standard interface	mast mount bracket with downtilt and counterpoise arm
Mast mount	40 ÷ 60 mm

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Since *ElettroMagnetic Services* is specialized in development and production of custom antennas, if you need electrical and/or mechanical modifications of this product to meet a particular application or requirements, please feel free to contact us directly.

HEADQUARTERS

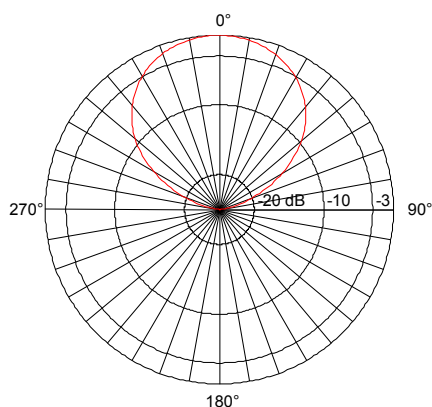
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LL9891V - LL7164V LL7971V

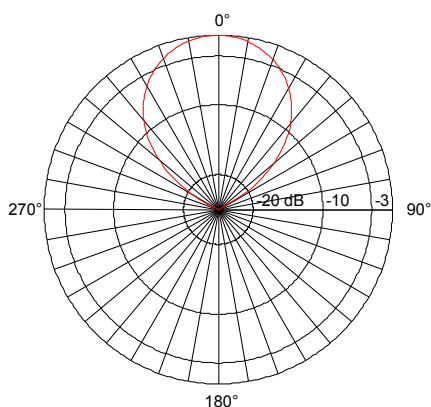
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LOGARITHMIC ANTENNA

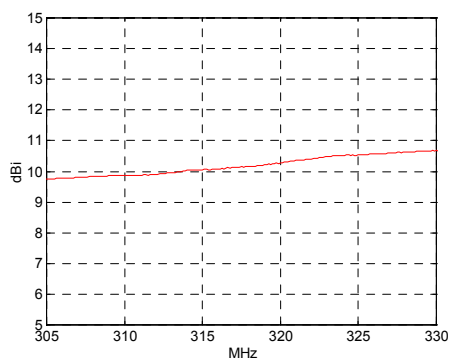
Azimuth pattern



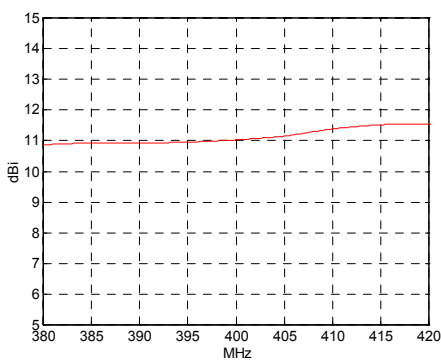
Elevation pattern



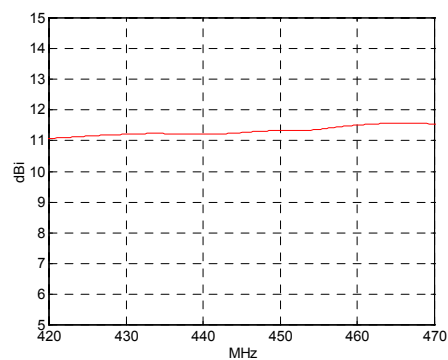
Gain (LL9891V)



Gain (LL7971V)



Gain (LL7164V)



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