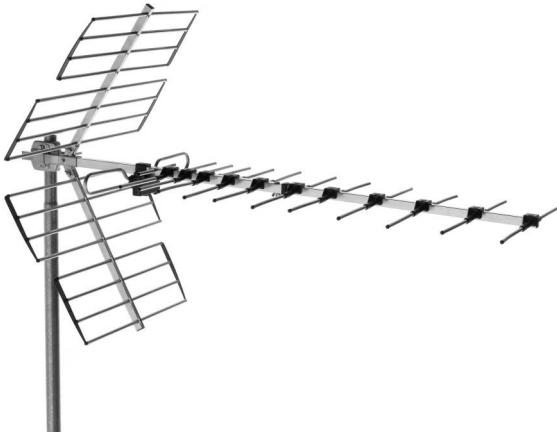


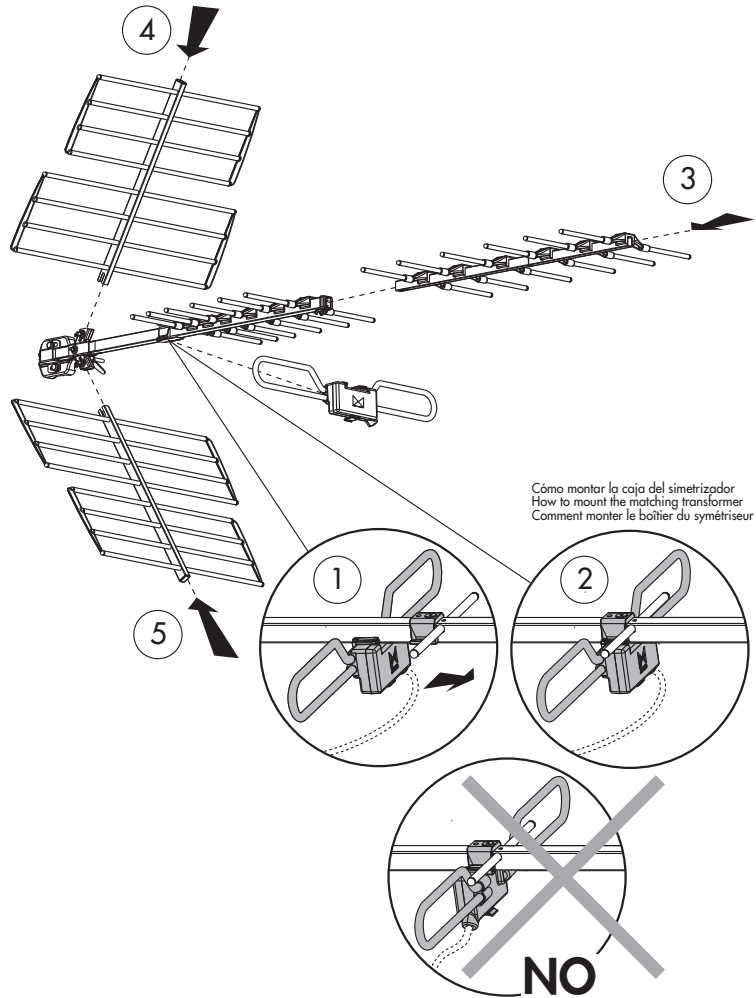


ANTENAS TV BANDA UHF  
TV ANTENNAS UHF BAND  
ANTENNES TV BANDE UHF



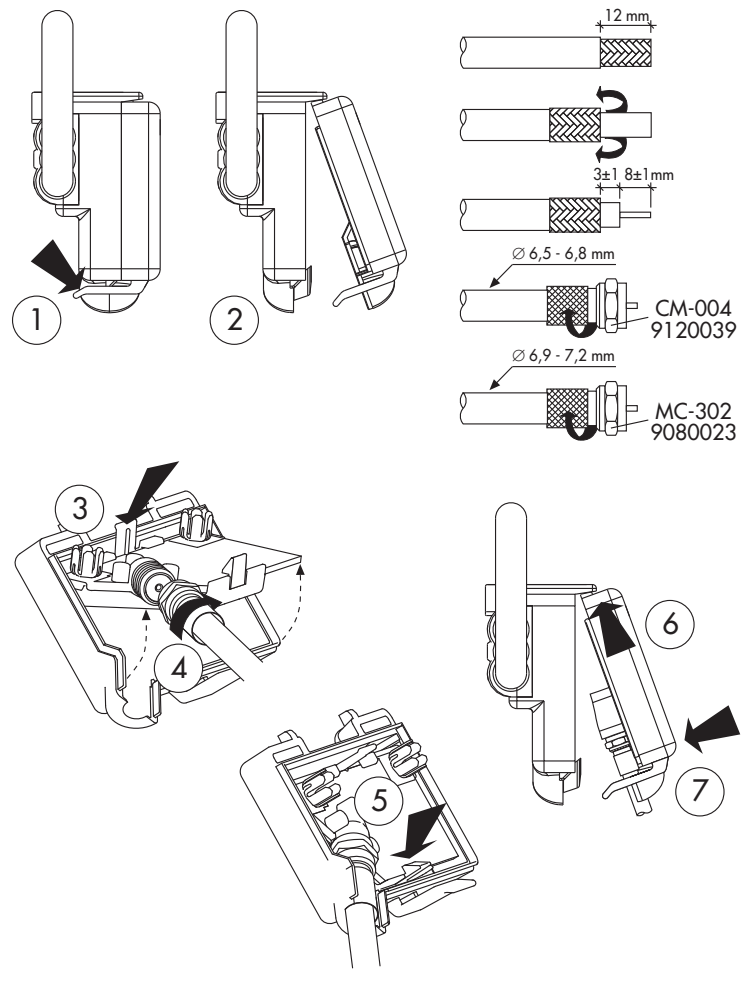
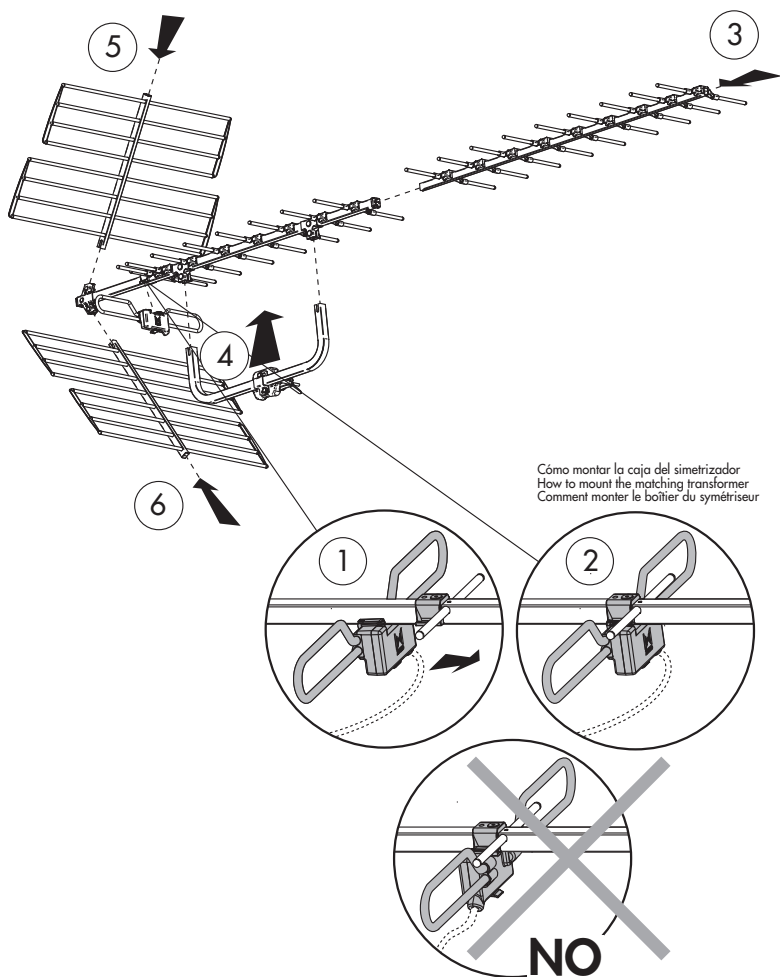
**SERIE 900 SERIES**

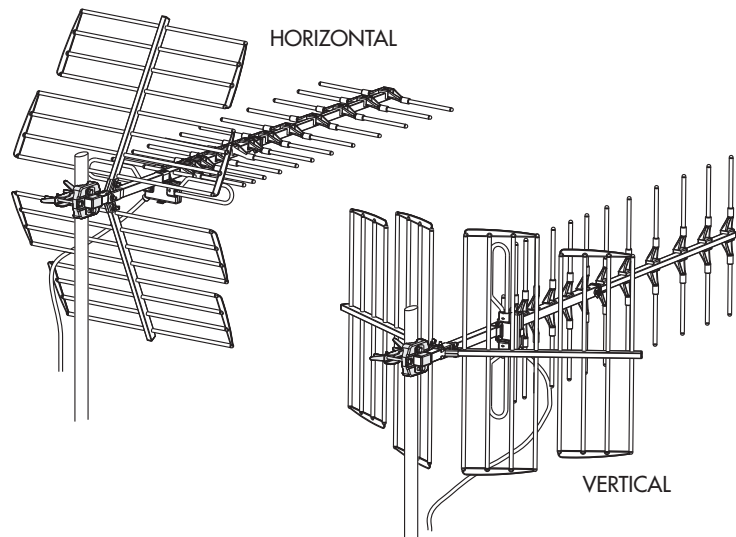
CÓMO MONTAR LA ANTENA BU-454 / BU-453 / BU-455  
HOW TO MOUNT THE ANTENNA BU-454 / BU-453 / BU-455  
COMMENT MONTER L'ANTENNE BU-454 / BU-453 / BU-455



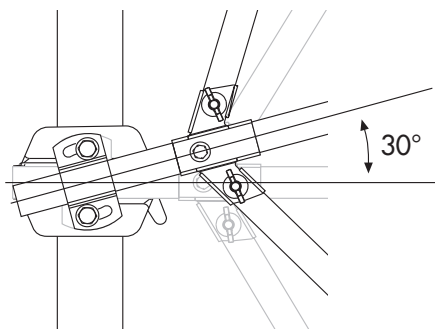
CÓMO MONTAR LA ANTENA BU-539  
HOW TO MOUNT THE ANTENNA BU-539  
COMMENT MONTER L'ANTENNE BU-539

CÓMO CONECTAR EL CABLE COAXIAL EN LA CAJA DEL SIMETRIZADOR  
HOW TO CONNECT THE COAXIAL CABLE TO THE MATCHING TRANSFORMER  
COMMENT RELIER LE CÂBLE COAXIAL DANS LE BOÎTIER DU SYMÉTRISEUR



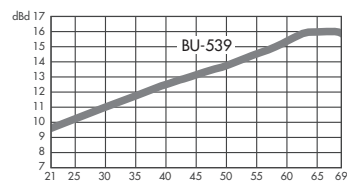
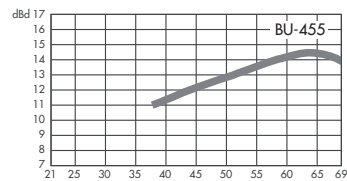
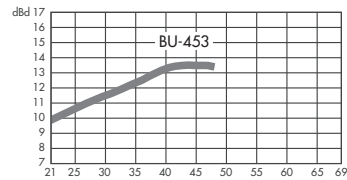
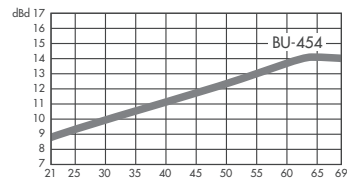



AJUSTE DEL ÁNGULO DE ELEVACIÓN  
ELEVATION ANGLE ADJUSTMENT  
RÉGLAGE DE L'ANGLE D'ELEVATION



CODIGO-CODE-CODE	9000036	9000056	9000037	9000038
MODELO-MODEL-MODELE	BU-454	BU-453	BU-455	BU-539
Rango de frecuencias Frequency range Gamme de fréquences	MHz 470-862	470-686	606-862	470-862
Canales Channels Canaux	21-69	21-47	38-69	21-69
Ganancia Gain Gain	dBd 14	13,5	14,5	16
Relación delante/detrás Front/back ratio Rapport avant/arrière	dB 25	25	25	28
Impedancia Impedance Impédance	$\Omega$ 75	75	75	75
Pérdidas de retorno Return loss Pertes de retour	dB $\geq 10$	$\geq 10$	$\geq 10$	$\geq 10$
Polarización Polarity Polarisation	HOR / VER			
Ángulo de apertura Beam width Angle d'ouverture	$^{\circ}$ H 24	28	26	20
	$^{\circ}$ V 32	34	29	22
Longitud Length Longueur	mm 1298	1296	1292	1922
Resistencia al viento Wind loading Résistance au vent	N H 89	89	88	130
	V 93	94	90	130
Índice de protección Protection index Indice de protection	IP 53			

Todas las antenas incorporan simetizador.  
All antennas supplied with matching transformer.  
Toutes les antennes ont un symétriseur.






### DECLARATION OF CONFORMITY

according to EN ISO/IEC 17050-1:2004

**Manufacturer's Name:** ALCAD, S.A.  
**Manufacturer's Address:** Pol. Ind. Arreche-Ugalde, 1  
Apdo. 455, 20305 IRÚN (Guipúzcoa), SPAIN

declares that the product  
**Model Number(s):** BU-454, BU-453, BU-455, BU-539  
**Product Description:** TV ANTENNAS UHF BAND  
**Product Option(s):** INCLUDING ALL OPTIONS  
**is in conformity with:**  
Safety: EN 50083-1:1993

The product herewith complies with the requirements of the Low Voltage Directive 2006/95/EC and the EMC Directive 2004/108/EC.  
**Supplementary Information:** To comply with these directives, do not use the products without covers and operate the system as specified.



Irún (SPAIN), 11 Mar 2008

Francisco Navarro  
General Manager

Especificaciones sujetas a modificación sin previo aviso  
Specifications subject to modifications without prior notice  
Les spécifications sont soumises à de possible modifications sans avis préalable