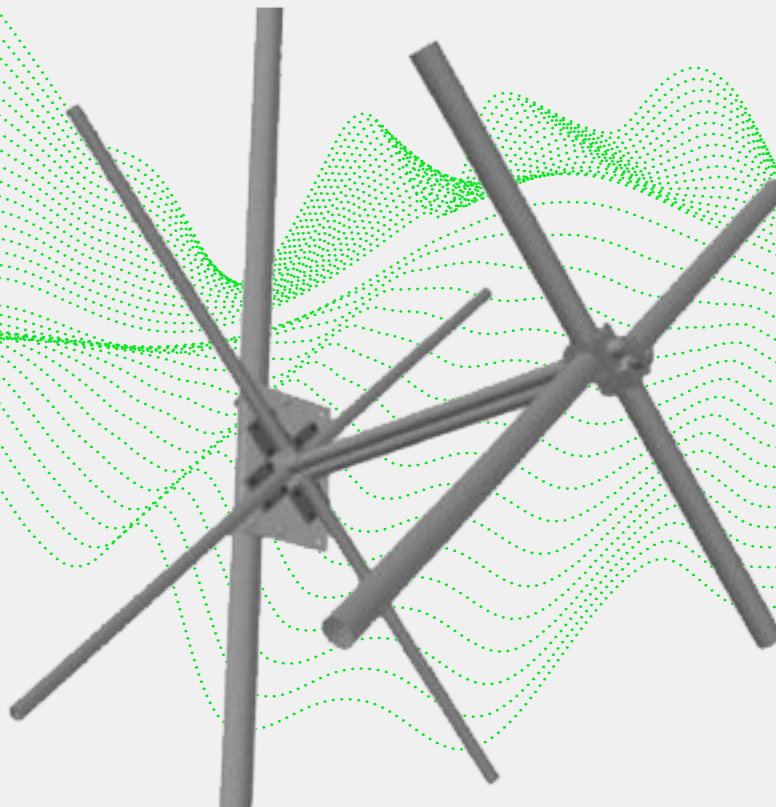


RFE

MAKING
BROADCAST
SMARTER

Circular Polarization QAF

ANTENNA SYSTEMS



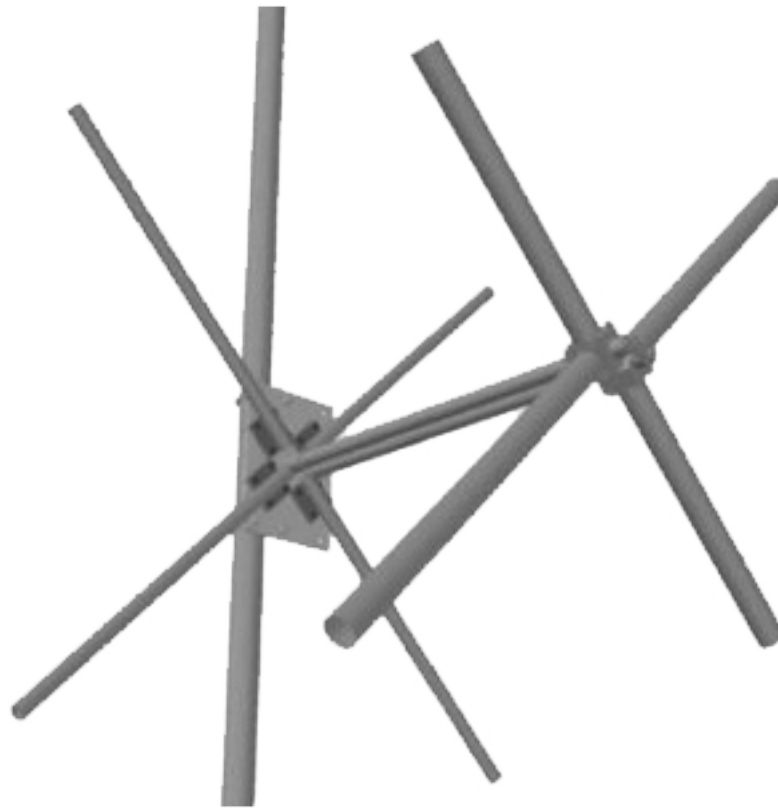


RFE

MAKING
BROADCAST
SMARTER

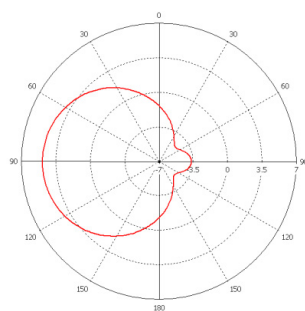
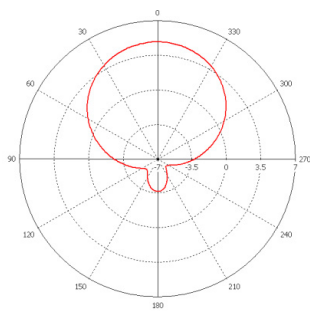
PRODUCT DESCRIPTION

Circular Polarization QAF



PRODUCT DESCRIPTION

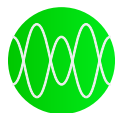
QAF is a crossed dipoles antenna, with circular polarization and directional pattern. Perfect for long distance coverage and for shadows filling.



MAIN FEATURES

- Broadband 87.5-108 MHz
- Very low input loss
- Suitable for collinear stacks
- Robust construction in stainless steel
- Detachable for easy packing and shipping
- Circular polarisation crossed dipoles
- Directional
- Long distance coverage
- Excellent for shadows filling





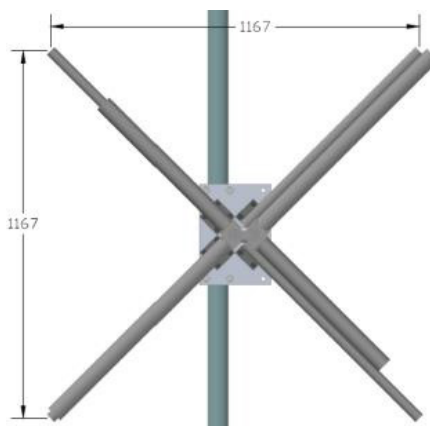
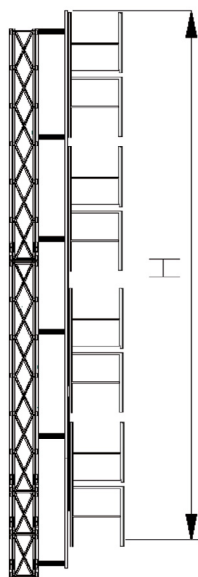
**ELECTRICAL
DATA**

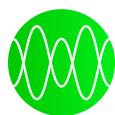
Frequency Range	87.5÷108 MHz
Gain [Max ÷ Average]	2,7 dBd
VSWR	1.2÷1 BROADBAND
Half Power Beam Width	E plane 105° H plane 116°
Front to Back Ratio[F/B]	>9 dB
Polarization	CIRCULAR
Connectors	DIN 7/16 – EIA 7/8
Max Power Rating with DIN 7/16 connector	2 kW
Input Impedance	50 Ω
Lighting Protection	DC Grounded

**MECHANICAL
DATA**

Size [A x B x C]	1167 x 950 x 1167 mm
Weight	24 Kg
Wind Load	32 Kg @ 160 Km/h
Max Wind Speed	Front 220 Km/h — Side 220Km/h
Materials	Body and screw in stainless steel AISI 316, internal parts in silver-plated copper and PTFE
Mounting	Suitable mast diameter: 50 - 100 mm
Packing [AxBxC]	300 x 100 x 300 mm

NOTE: RADIATION PATTERN, GAIN AND HALF POWER BEAM WIDTH ANALYZED WITH TOWER INFLUENCE





N° OF BAYS	N° OF FACES	GAIN (DBD)	LENGTH MM
1	1	2,7	3000
	2	-0,3	
	3	-2,0	
	4	-3,3	
2	1	5,7	4900
	2	2,7	
	3	1,0	
	4	-0,3	
3	1	7,4	6800
	2	4,4	
	3	2,7	
	4	1,4	
4	1	8,7	8700
	2	5,7	
	3	4,0	
	4	2,7	
5	1	9,7	10600
	2	6,7	
	3	5,0	
	4	3,7	
6	1	10,4	12500
	2	7,4	
	3	5,7	
	4	4,4	
7	1	11,1	14400
	2	8,1	
	3	6,4	
	4	5,1	
8	1	11,7	16300
	2	8,7	
	3	7,0	
	4	5,7	
NOTE: ARRAY GAIN REFERRED TO ANTENNA AVERAGE GAIN			

