

FREQUENCY INDEPENDENT DATA

Description: cross-polarized end-fire yagi array, dual feed, physically quarter wave-length along the boom phased

Frequency: 380-410 MHz, 405-440 MHz, 440-475 MHz

Impedance: 50 ohm

Gain: 7/9 dBi

Az -3 dB: 56/40°

EI -3 dB: 53/41°

F/B: 0/0 dB

Polarization: circular/slanted

Isolation: 30 dB

Connector: 2*N-female / 2*TNC-female

VSWR: < 1.5

Radome: UV resistant ABS/FG, RAL 7012, PU foam filling

Radiator: copper

Passive elements: coated aluminium

Attachment: Ø 35-60 mm, aluminium alloy bracket, stainless steel V-bolts and self-locking nuts

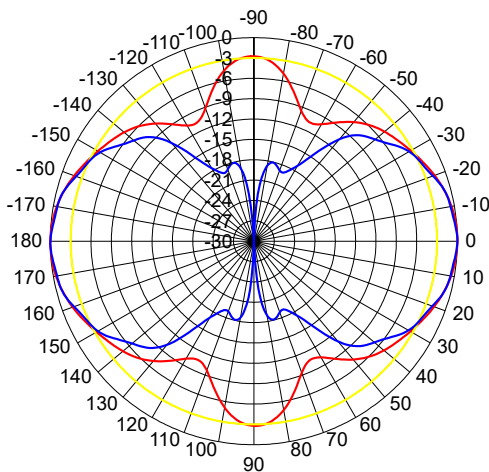
Lightning protection: DC-short circuited

Temperature: -40°C - +80°C

IP: 67

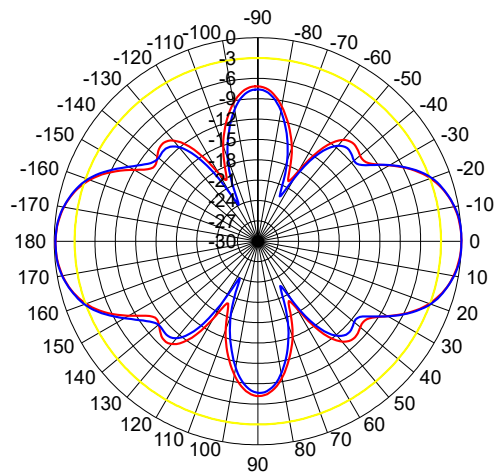
- combination of durability, light weight and low wind load
- radome enclosed radiator
- IP67 proof construction
- all electromechanics moulded inside of closed cell PU foam
- DC shorted feed point
- integrated impedance compensation
- integrated RF choke

CS-power splitter required in circular mode
RADIATION PATTERN, CIRCULAR



— Az dB — EI dB
HCM 029EB25 029EA00

RADIATION PATTERN, SLANTED



— Az dB — EI dB
HCM 028EB28 027EB00



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CAXF2++ CROSS-POLARIZED END-FIRE YAGI ARRAY