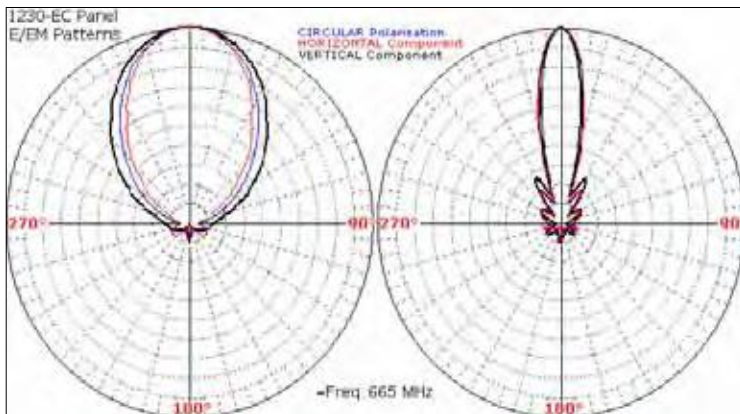


ELLIPTICAL Polarization 4 Dipoles Panel

Technical data

Product Code	XA2258000
ELECTRICAL CHARACTERISTICS	
Frequency Band	470-860 MHz
Polarization	Elliptical (any config.)
Gain (@ 650 MHz)	12 dBd
F/B Ratio	15 dB
Axial ratio	± 1.5 dB
V.S.W.R.	1.15 (Circular Pol.) 1.20 (Linear Pol.)
Max Input Power	2.5 KW (@ 650 MHz)
Voltage Breakdown	7 KV
All metal parts are ground connected	



MECHANICAL CHARACTERISTICS	
Input Flanges Nr /Size	2 x EIA 7/8"
Dimensions (HxWxP)	1150 x 450 x 210 mm
Weight/Mass	180 N / 18 Kg
Wind loads (wind=160 Kph)	Front: 710 N Side: 370 N
Max Wind	200 Kph
Operating temperature	-50°C to +60°C
Pressurization	100 KPa (1 Atm)
Mounting	-Tower face -Ø 60 to 160 mm Pole Brackets -Custom Mast



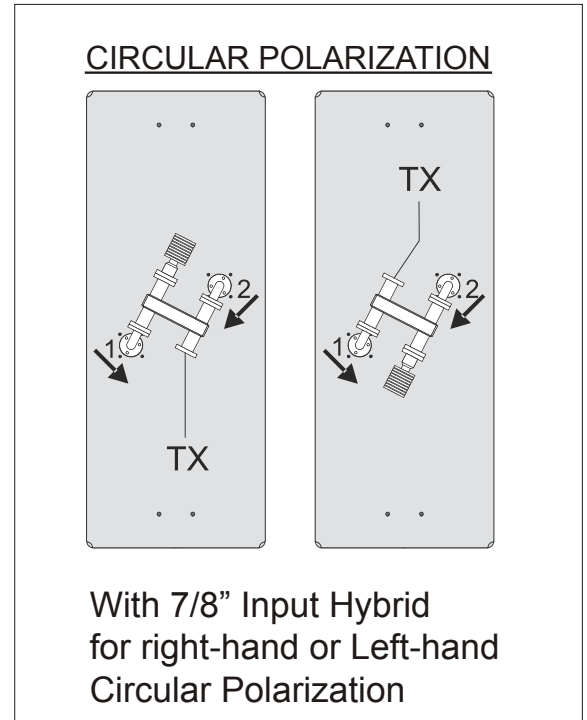
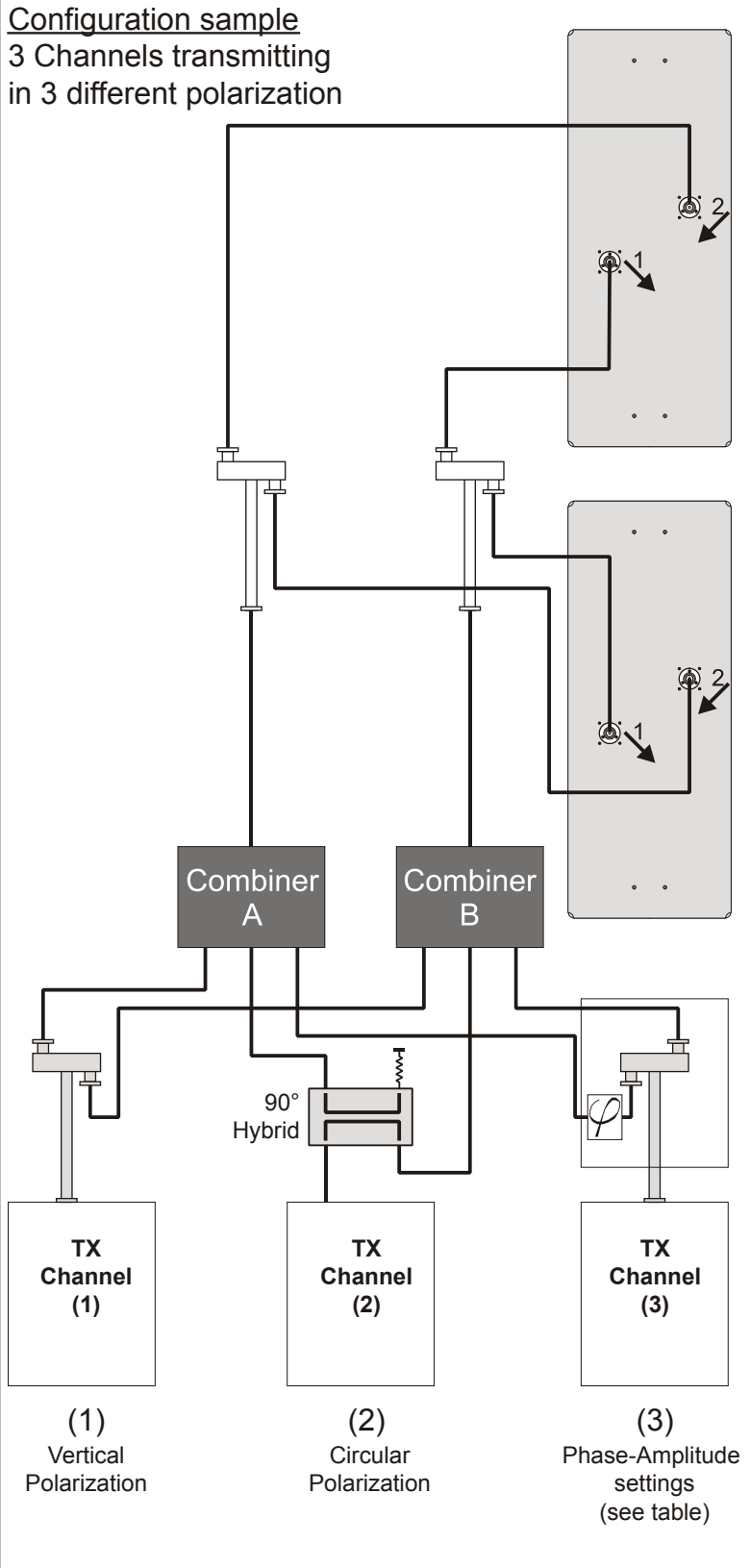
MATERIALS

Stainless Steel AISI 304

Inner lines / dipoles Silver plated Brass/copper

Radome Grey Standard Fiberglass
Other colours on request

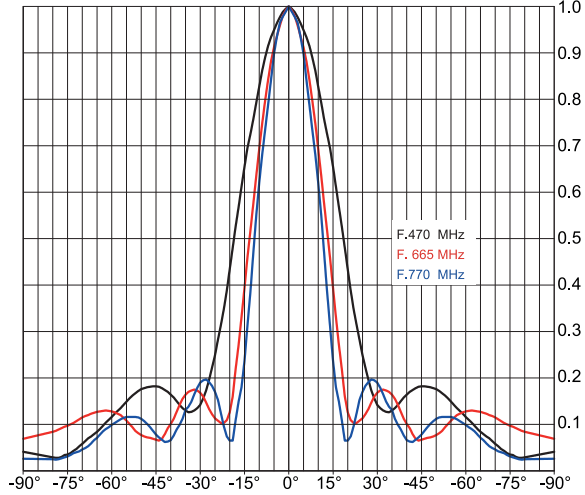
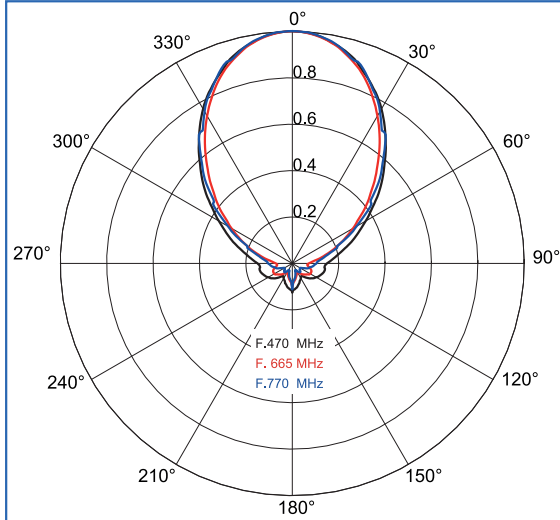
Elliptical Polarization UHF Panel - Transmitting Polarization Setting



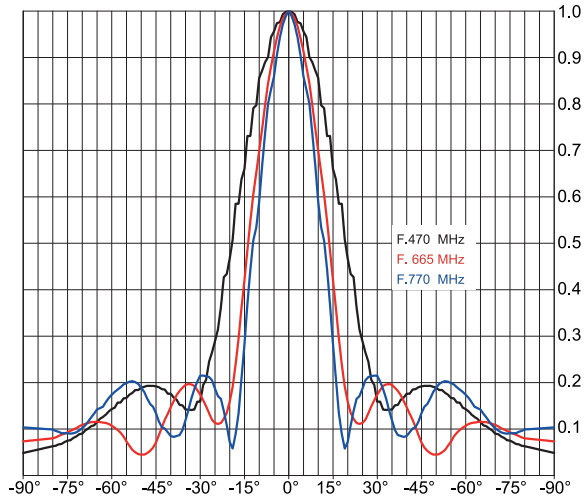
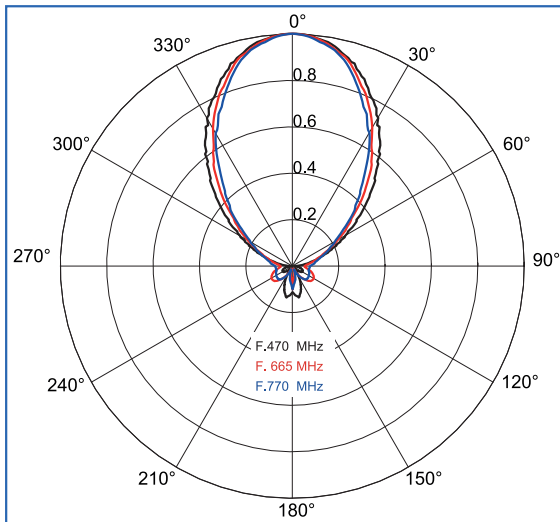
Amplitude Ratio between Dipoles	Phase between Dipoles								
	-180°	-135°	-90°	-45°	0°	45°	90°	135°	180°
∞	/	/	/	/	/	/	/	/	/
2	/	↻	↻	↻	/	↻	↻	↻	/
1	—	↻	↻	↻		↻	↻	↻	—
1/2	/	↻	↻	↻	/	↻	↻	↻	/
0	/	/	/	/	/	/	/	/	/

I230E7 - 9 Pol. UHF 4 Dipoles Panel

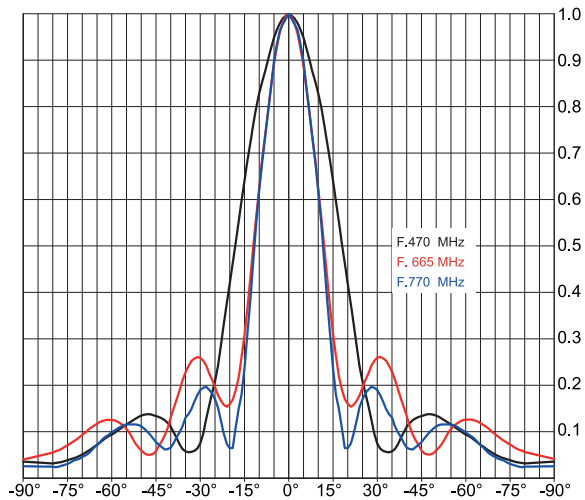
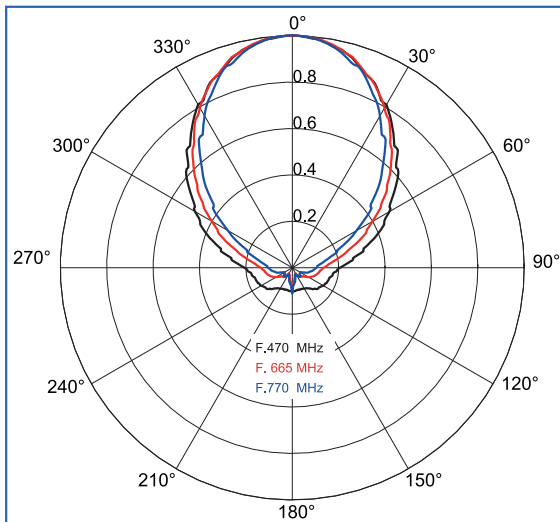
E||ā cāŃÁÚ| æã æā } ÁNP ŌÁÚæ ^|ÁŹÁV^ } æŃÁæãæā } ÁÚæc^! } •



CIRCULAR POLARIZATION
HORIZONTAL & VERTICAL
E/EM RADIATION PATTERN



HORIZONTAL POLARIZATION
HORIZONTAL & VERTICAL
E/EM RADIATION PATTERN



VERTICAL POLARIZATION
HORIZONTAL & VERTICAL
E/EM RADIATION PATTERN

I230E7 - 9 Pol. UHF 4 Dipoles Panel

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