



Netkrom Technologies

3 ft. (0.9 m) Ultra-High Performance UHP Microwave Antennas Microwave Parabolic Dish Antenna



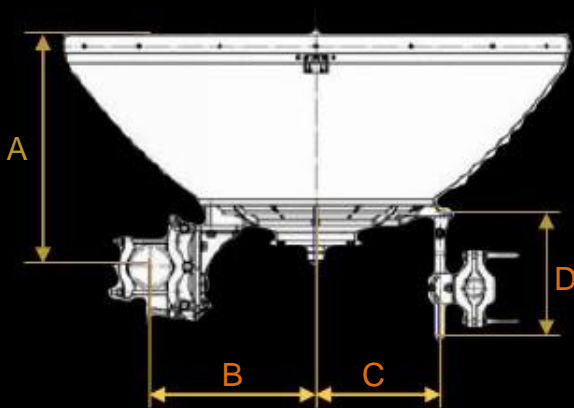
General Specifications

Diameter	3 ft. (0.9 m)
Polarization	Single V or H; pre-set V (Vertical)
Antenna Interface	Integrated
	Standard Flange
Antenna Color	Light gray
Radome Color	Light gray
Radome Material Description	Anti-ultraviolet ABS material
Packing	Plywood
RoHS 2002/95/EC	Compliant

Specifications - Electrical

Antenna Type		UHP-MW-7-3	UHP-MW-11-3	UHP-MW-13-3	UHP-MW-15-3	UHP-MW-18-3	UHP-MW-23-3	UHP-MW-26-3
Frequency Band (GHz)		7.125-8.500	10.70-11.70	12.75-13.25	14.40-15.35	17.70-19.70	21.20-23.60	24.25-26.50
Interface	Integrated	1.025" dia.	R120	R120	R140	R220	R220	R220
	Standard Flange	UBR84	UBR100	UBR120	UBR140	UBR220	UBR220	UBR220
Gain (dBi) Low		34.0	37.5	39.0	40.1	41.8	43.4	44.6
Gain (dBi) Mid		34.8	37.9	39.2	40.7	42.3	43.9	45.0
Gain (dBi) High		35.5	38.2	39.3	41.1	42.8	44.3	45.3
3dB BW (°)		3.0	2.1	1.8	1.6	1.2	1.0	1.0
VSWR		1.30	1.30	1.30	1.30	1.30	1.30	1.30
F/B Ratio (dB)		60	63	65	68	70	68	71
XPD (dB)		30	30	30	30	30	30	30
ETSI Standard		R1, C3	R1, C3	R1, C3	R2, C3	R2, C3	R3, C3	R4, C3

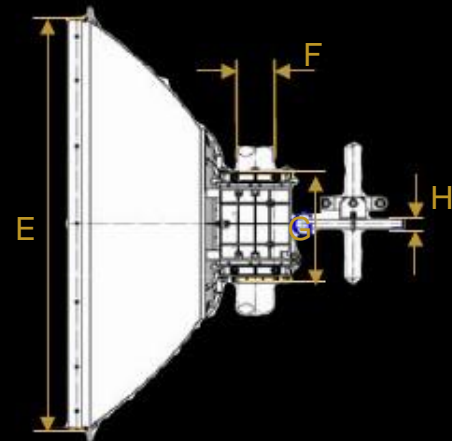
Specifications - Mechanical



Antenna Dimensions

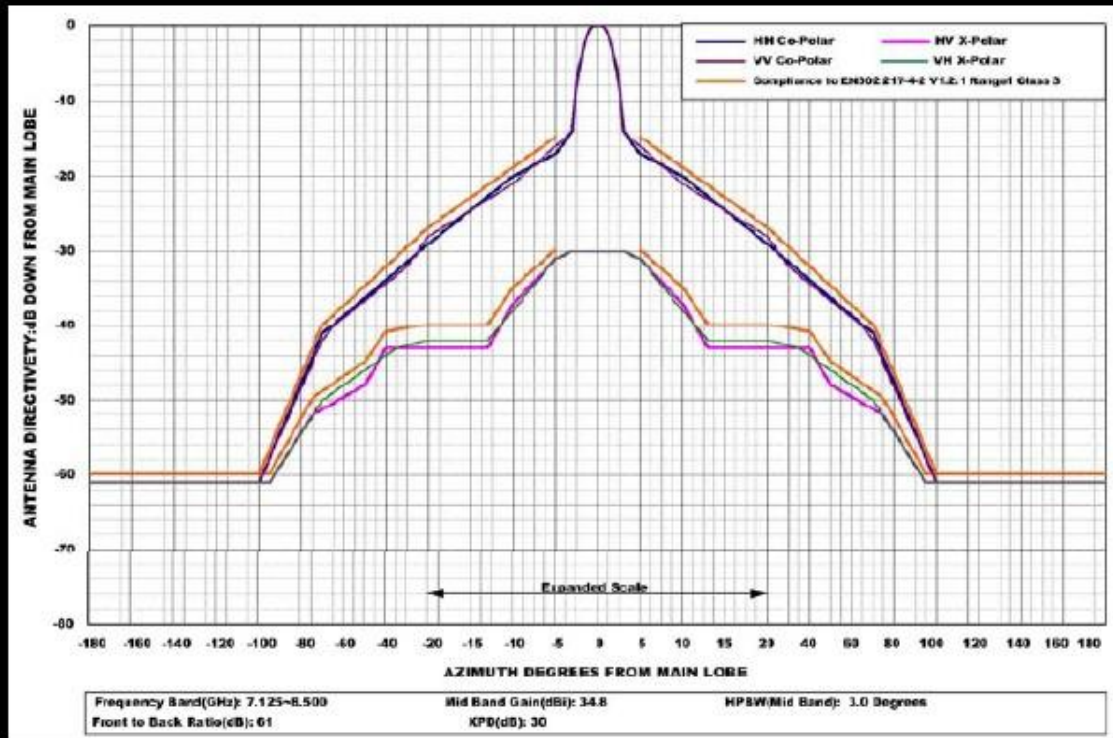
A	19.61 in. (49.8 cm)
B	15.71 in. (39.9 cm)
C	9.49 in. (24.1 cm)
D	59.06 in. (150.0 cm)
E	39.02 in. (99.1 cm)
F	2.0 - 4.5 in. (5.1 - 11.4 cm)
G	17.78 in. (26.0 cm)
H	1.055 in. (2.68 cm)

Wind Velocity Operational	78.3 mph (126 km/h)
Wind Velocity Survival Rating	124 mph (200 km/h)
Coarse Azimuth	360°
Fine Azimuth Adjustment	±10°
Fine Elevation Adjustment	±10°
Mounting Pipe Diameter	2.0 - 4.5 in. (51 - 114 mm)
Operation Pressurization	50 KPa
Operation Temperature	-49 - 140 °F (-45 - +60 °C)
Storage Temperature	-67 - 158 °F (-55 - +70 °C)
Ice Load	1 in. (25 mm)
Strengthening Rod	1
Adjustable Rod	N/A
Net Weight	44.1 lb. (20 kg)

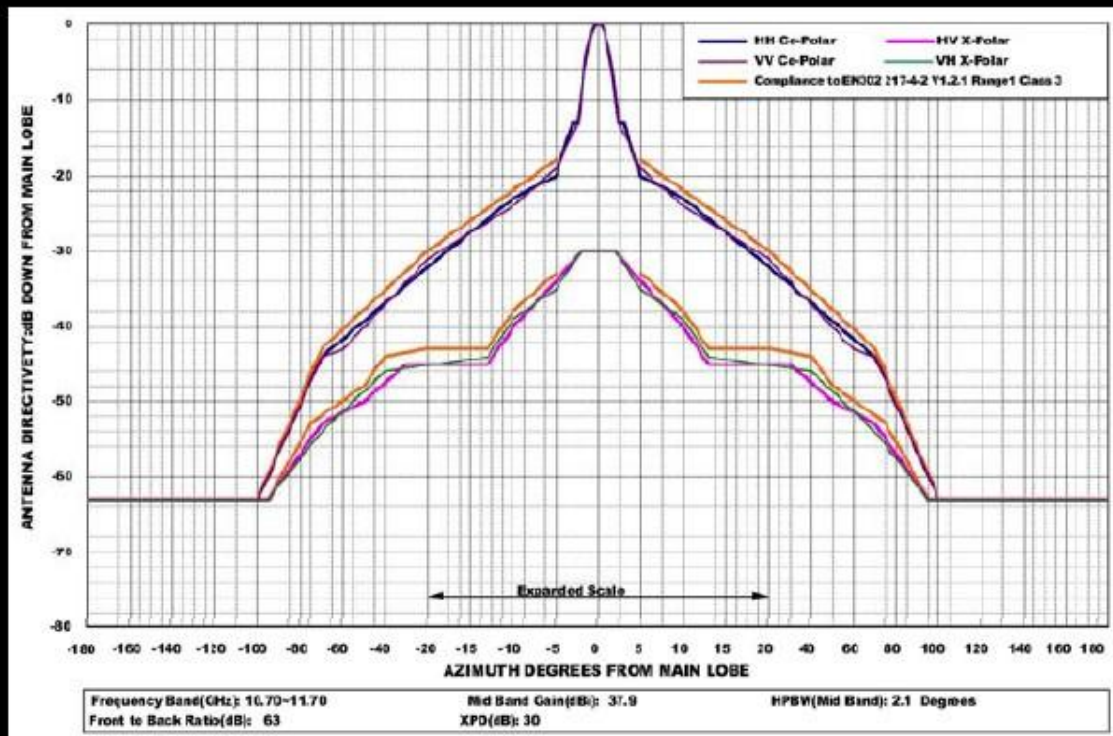


Radiation Pattern Envelope

NTK-UHP-MW-7-3

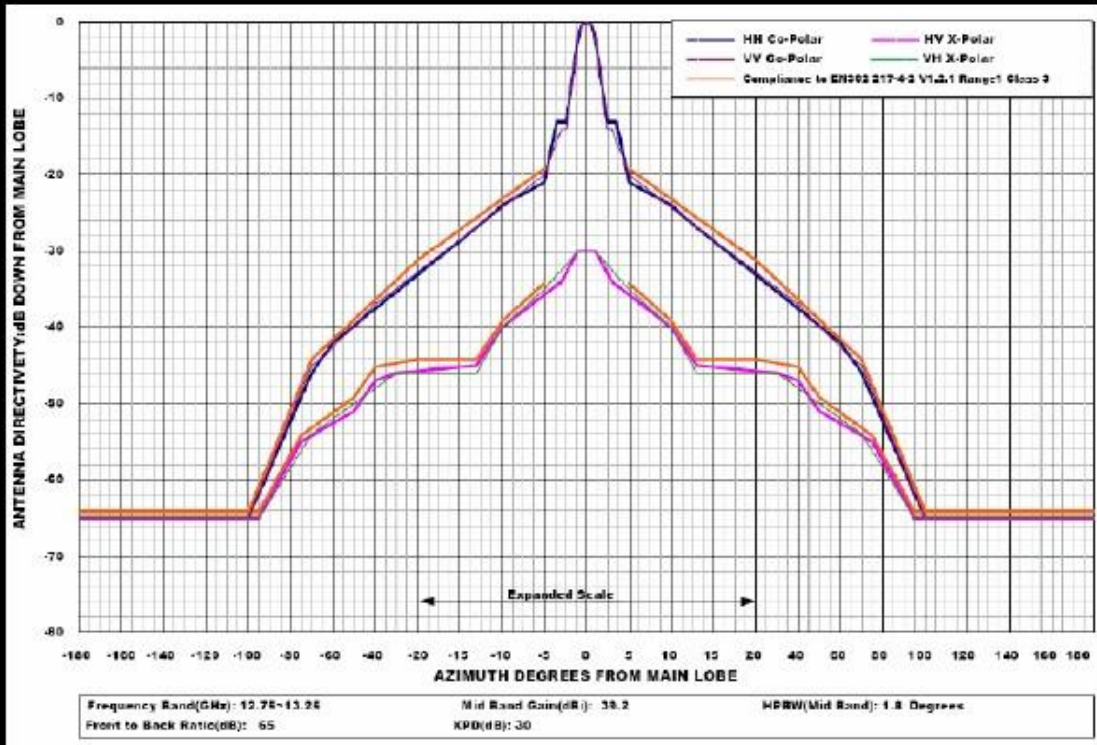


NTK-UHP-MW-11-3

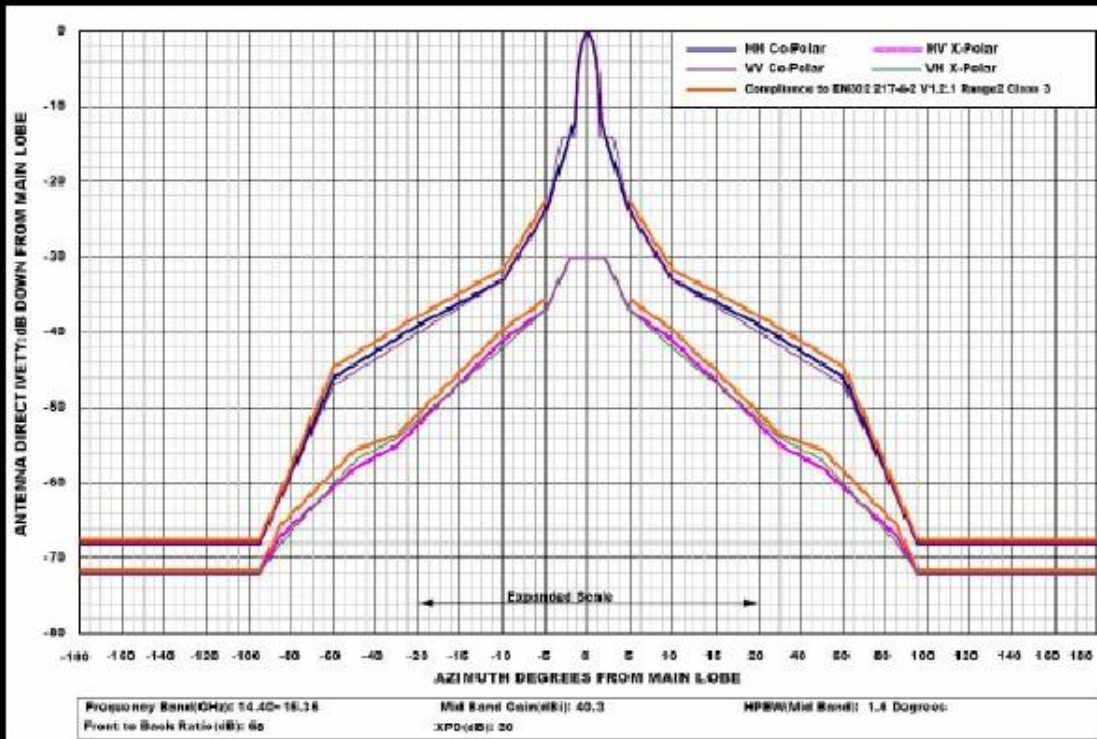


Radiation Pattern Envelope

NTK-UHP-MW-13-3

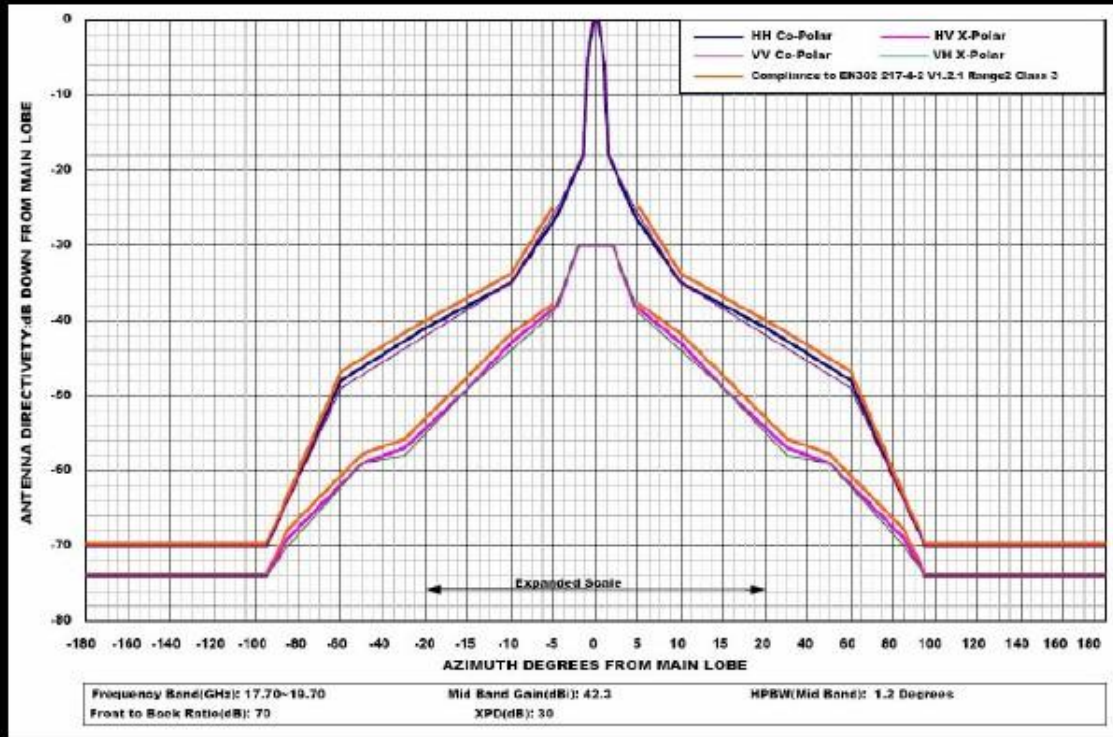


NTK-UHP-MW-15-3

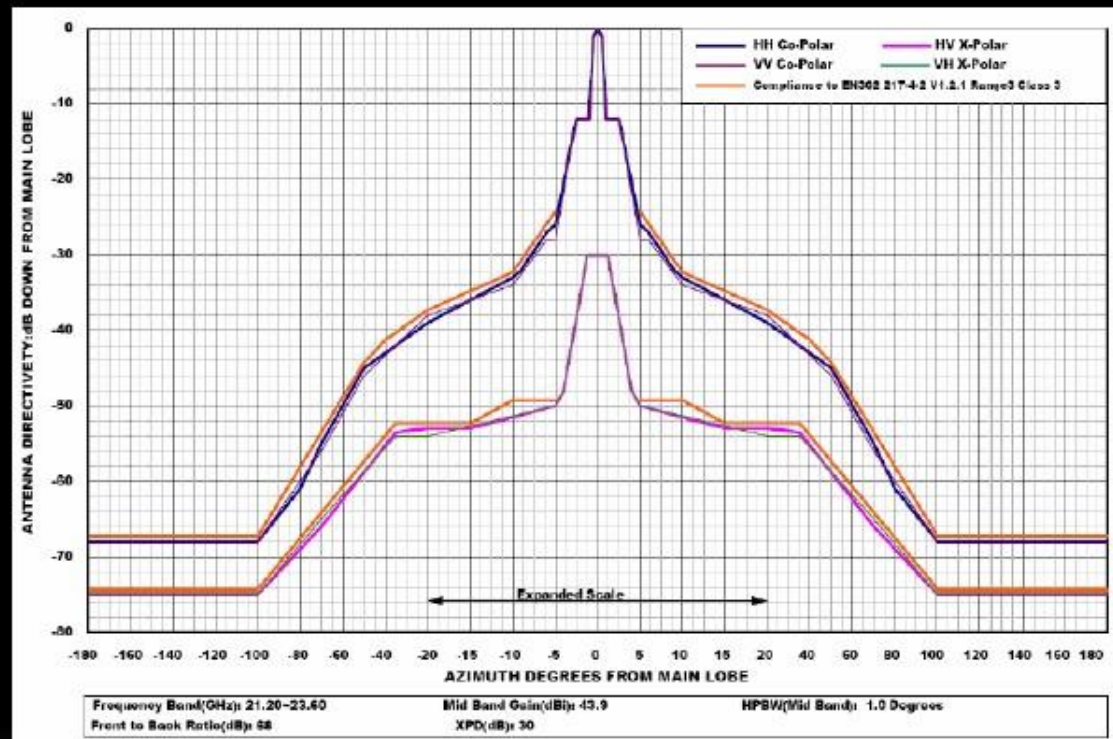


Radiation Pattern Envelope

NTK-UHP-MW-18-3

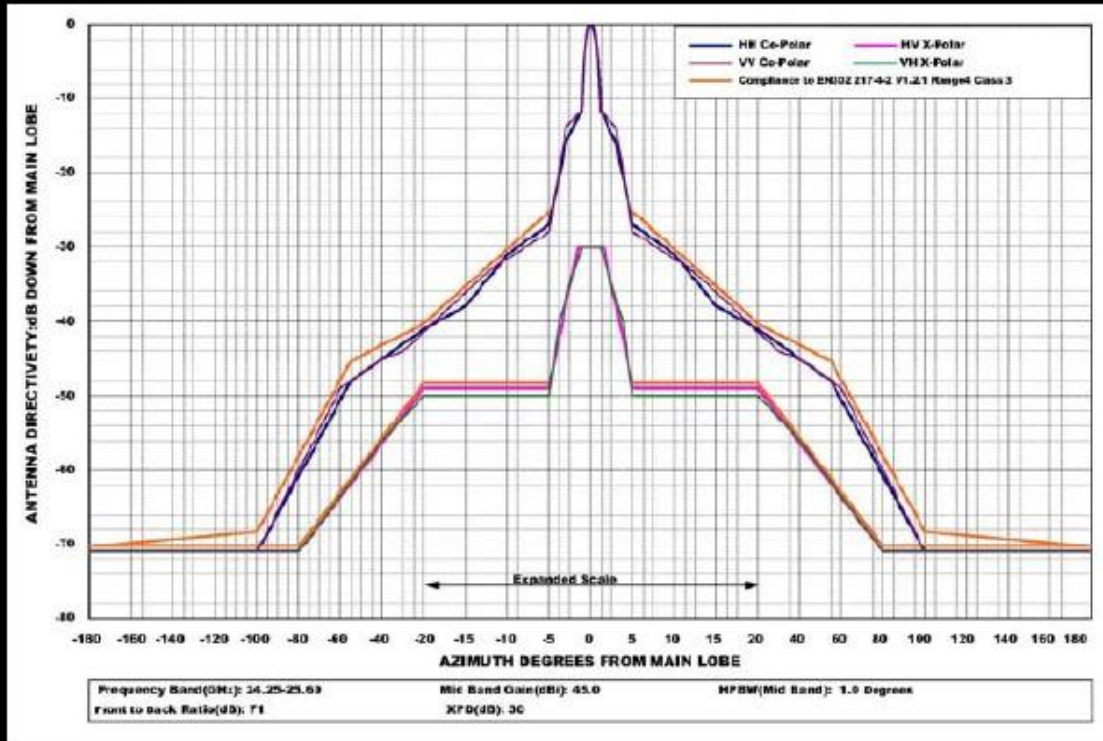


NTK-UHP-MW-23-3



Radiation Pattern Envelope

NTK-UHP-MW-26-3



Ordering Information:

- **NTK-UHP-MW-3FT:** 3 Ft Ultra High Performance Parabolic Dish Antennas for Licensed Spectrum (7 – 40GHz)