

## General Specifications

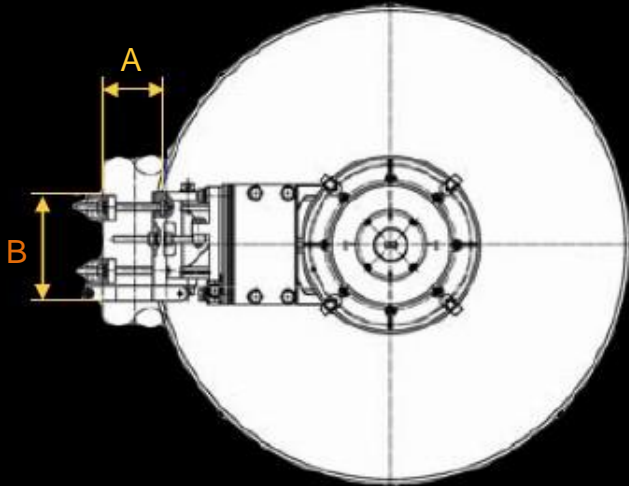


Diameter	1 ft. (0.3 m)
Polarization	Single V or H; pre-set V (Vertical)
Antenna Interface	Integrated
	Standard Flange
Antenna Color	Light gray
Radome Color	Light gray
Radome Material Description	Anti-ultraviolet ABS material
Packing	Carton
RoHS 2002/95/EC	Compliant

## Specifications - Electrical

Antenna Type	UHP-MW-11-1	UHP-MW-13-1	UHP-MW-15-1	UHP-MW-18-1	UHP-MW-23-1	UHP-MW-26-1	UHP-MW-38-1	
Frequency Band (GHz)	10.70-11.70	12.75-13.25	14.40-15.35	17.70-19.70	21.20-23.60	24.25-26.50	37.00-40.00	
Interface	Integrated	R120	R120	R140	R220	R220	R220	0.219" dia
	Standard Flange	UBR100	UBR120	UBR140	UBR220	UBR220	UBR220	UBR320
Gain (dBi) Low	27.9	29.5	30.5	32.3	33.9	35.0	38.7	
Gain (dBi) Mid	28.3	29.6	30.8	32.8	34.3	35.4	39.1	
Gain (dBi) High	28.7	29.8	32.1	33.2	34.8	35.8	39.4	
3dB BW (°)	6.3	5.4	4.7	3.7	3.1	2.8	1.8	
VSWR	1.30	1.30	1.30	1.30	1.30	1.30	1.30	
F/B Ratio (dB)	54	55	58	60	58	61	58	
XPD (dB)	30	30	30	30	30	30	30	
ETSI Standard	R1, C3	R1, C3	R2, C3	R2, C3	R3, C3	R4, C3	R5, C3B	

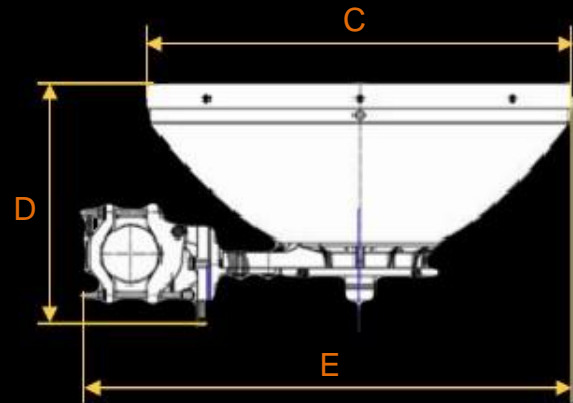
## Specifications - Mechanical



Antenna Dimensions

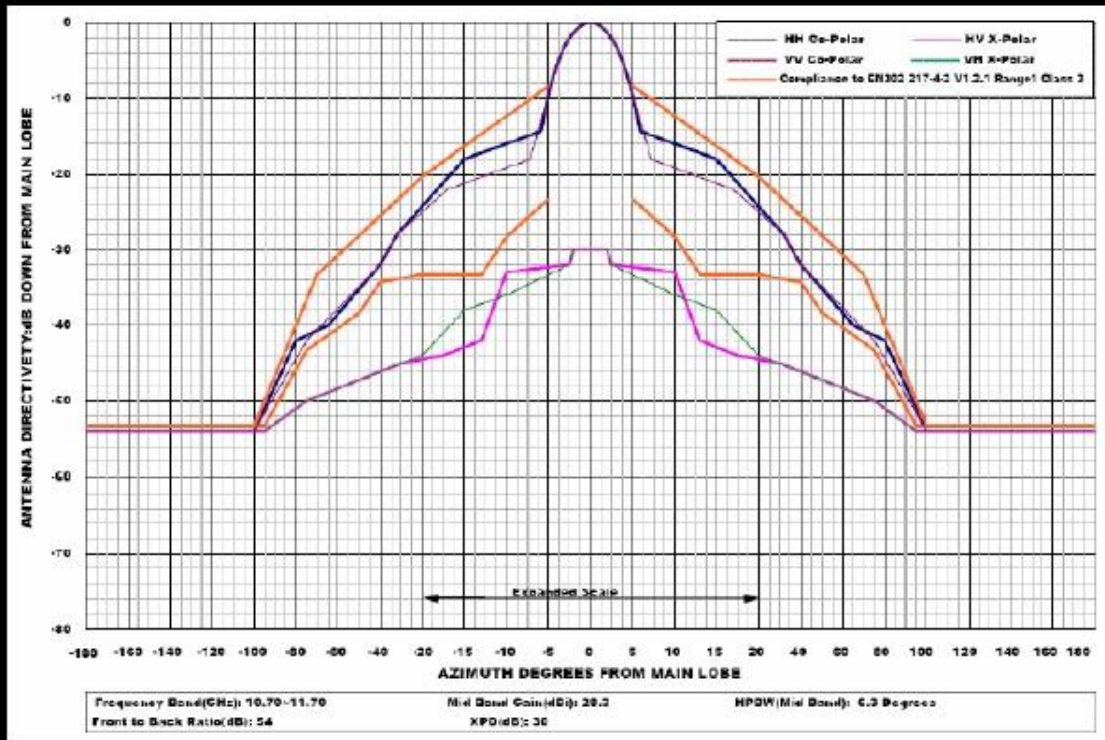
A	2.0 - 4.49 in. (5.1 - 11.4 cm)
B	6.06 in. (15.4 cm)
C	15.67 in. (39.8 cm)
D	14.45 in. (36.7 cm)
E	25.51 in. (64.8 cm)

Wind Velocity Operational	78.3 mph (126 km/h)
Wind Velocity Survival Rating	124 mph (200 km/h)
Coarse Azimuth	360°
Fine Azimuth Adjustment	±15°
Course Elevation	±10°
Fine Elevation Adjustment	±15°
Mounting Pipe Diameter	2.0 - 4.49 in. (5.1 - 11.4 cm)
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	N/A
Adjustable Rod	N/A
Net Weight	15.0 lb. (6.8 kg)

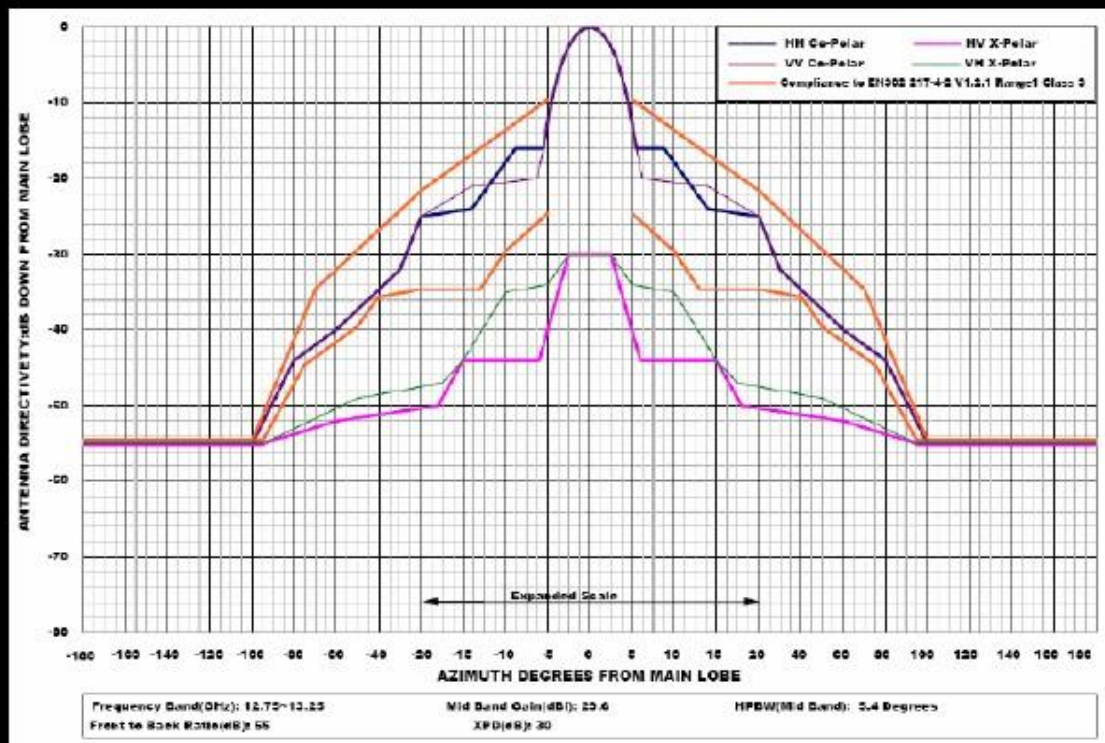


## Radiation Pattern Envelope

NTK-UHP-MW-11-1

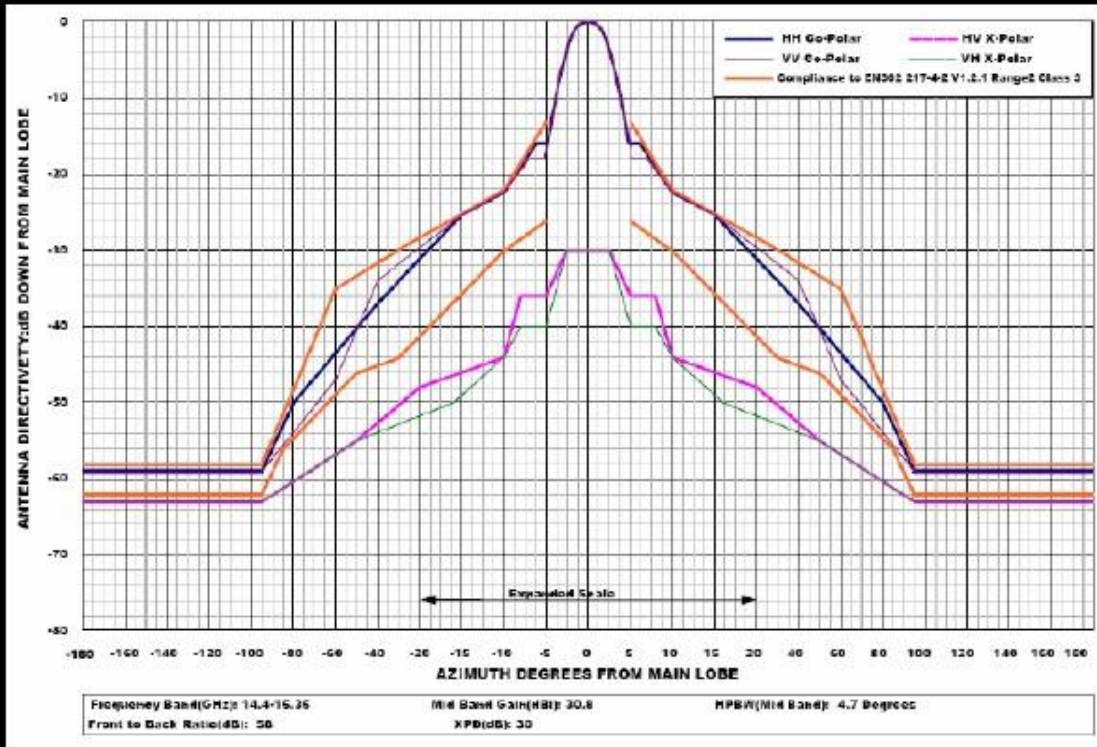


NTK-UHP-MW-13-1

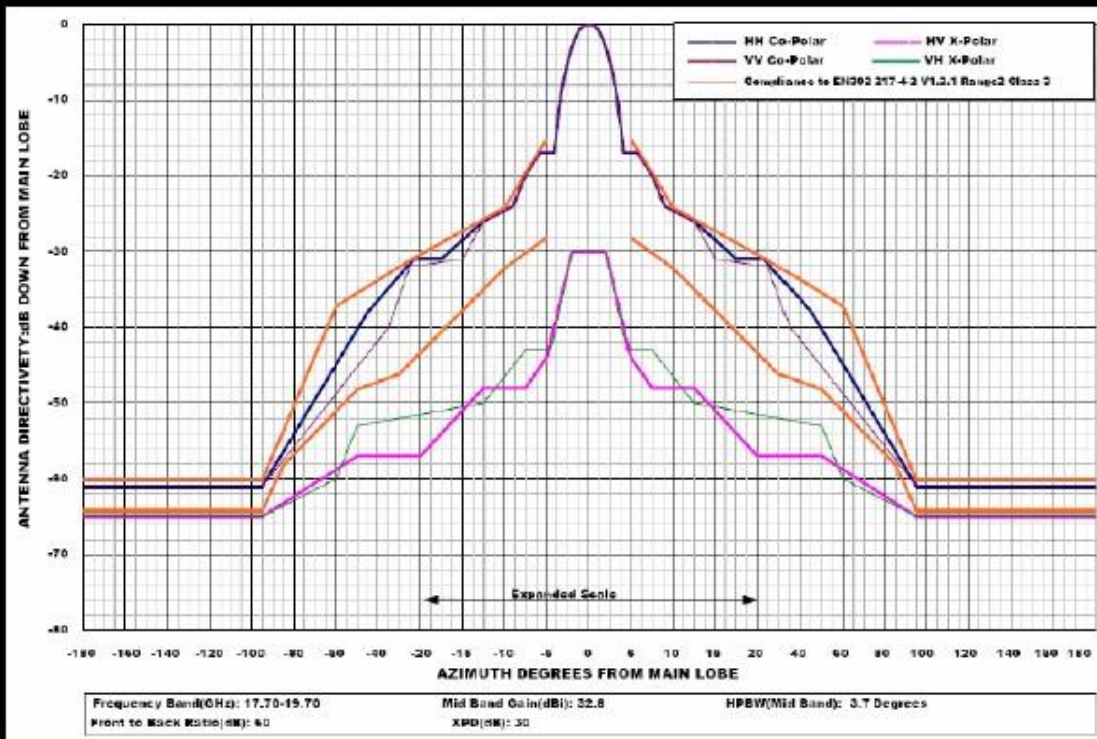


## Radiation Pattern Envelope

### NTK-UHP-MW-15-1

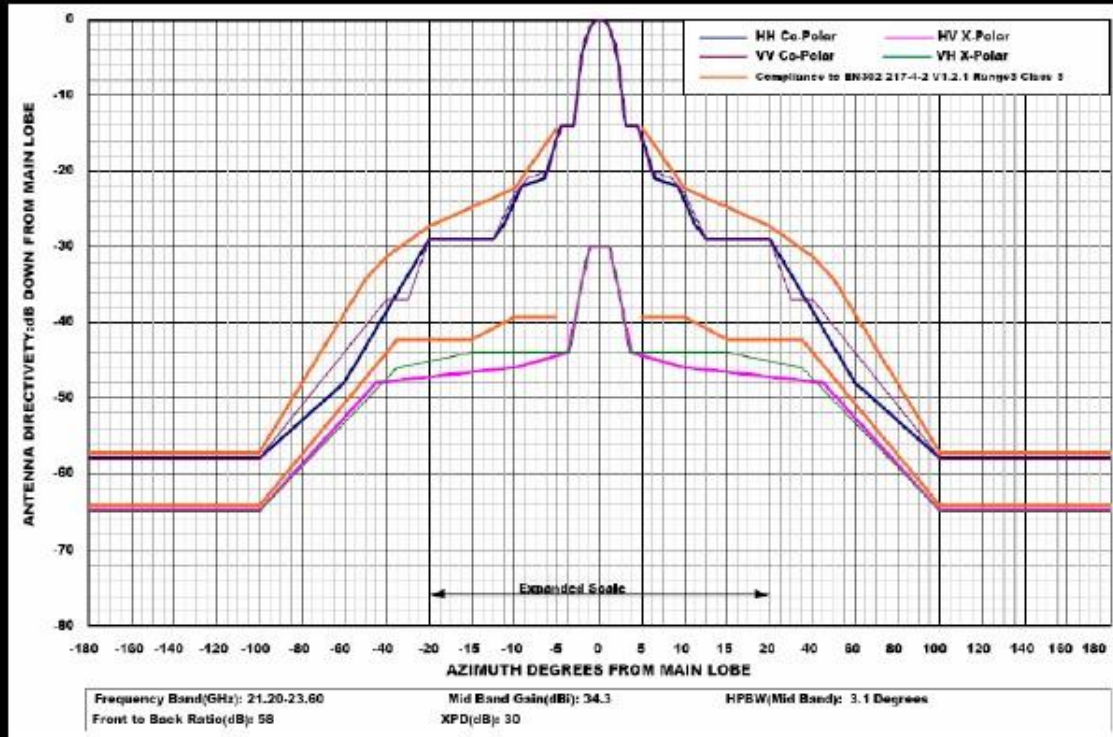


### NTK-UHP-MW-18-1

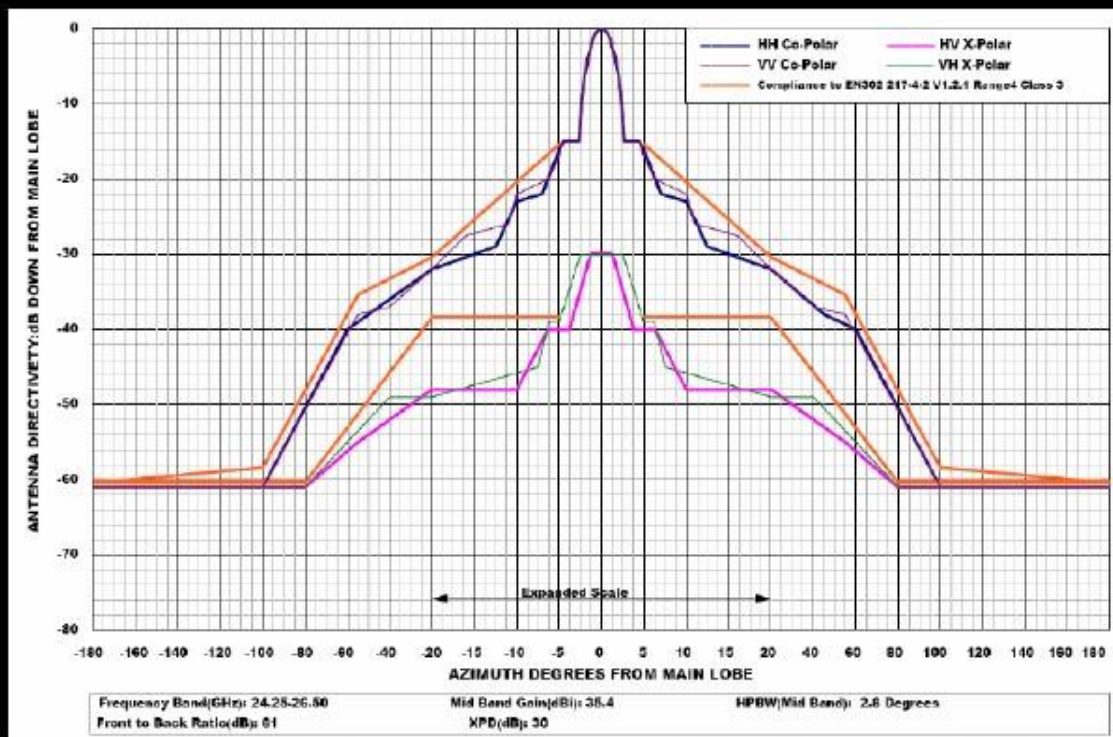


## Radiation Pattern Envelope

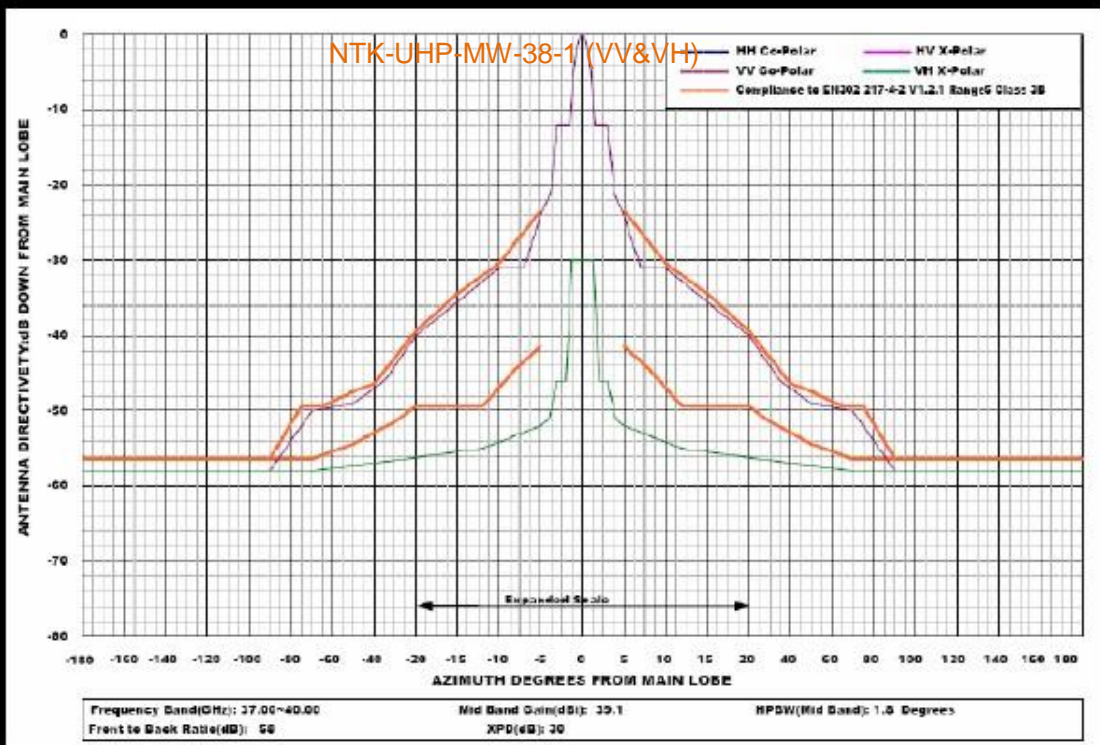
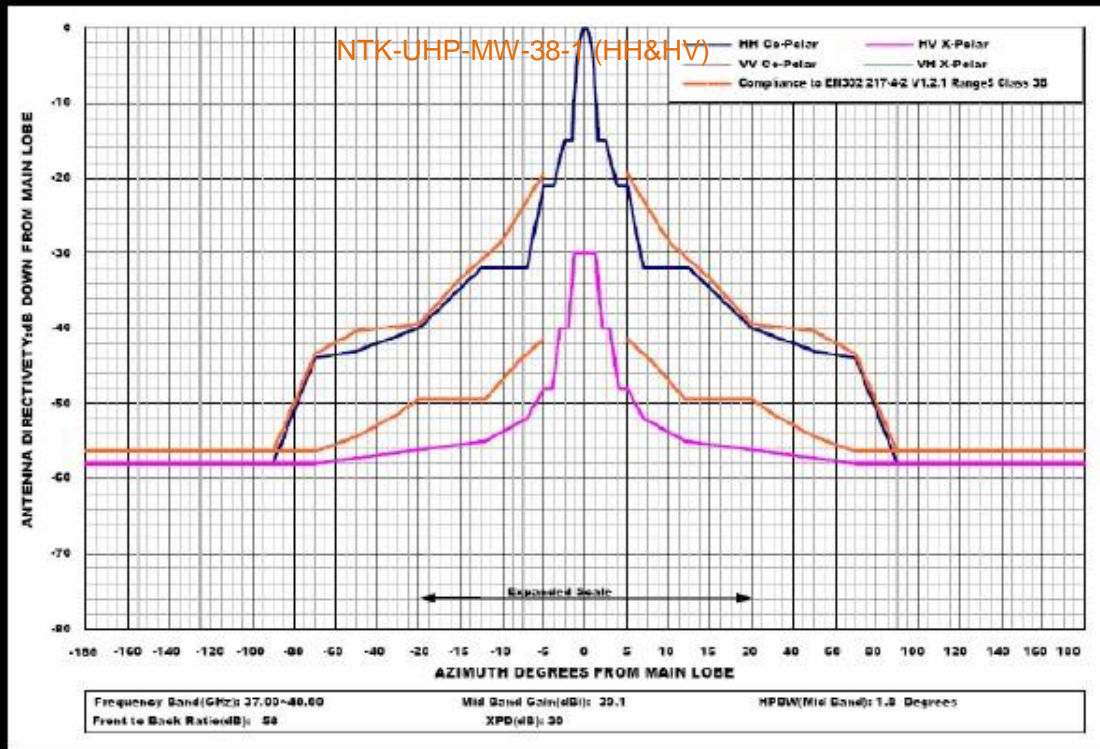
NTK-UHP-MW-23-1



NTK-UHP-MW-26-1



## Radiation Pattern Envelope



### Ordering Information:

- NTK-UHP-MW-1FT: 1 Ft Ultra High Performance Parabolic Dish Antennas for Licensed Spectrum ( 7 – 40GHz)