

470-700MHz TVWS Directional Antenna

ANT0407D8Z-DP

Features

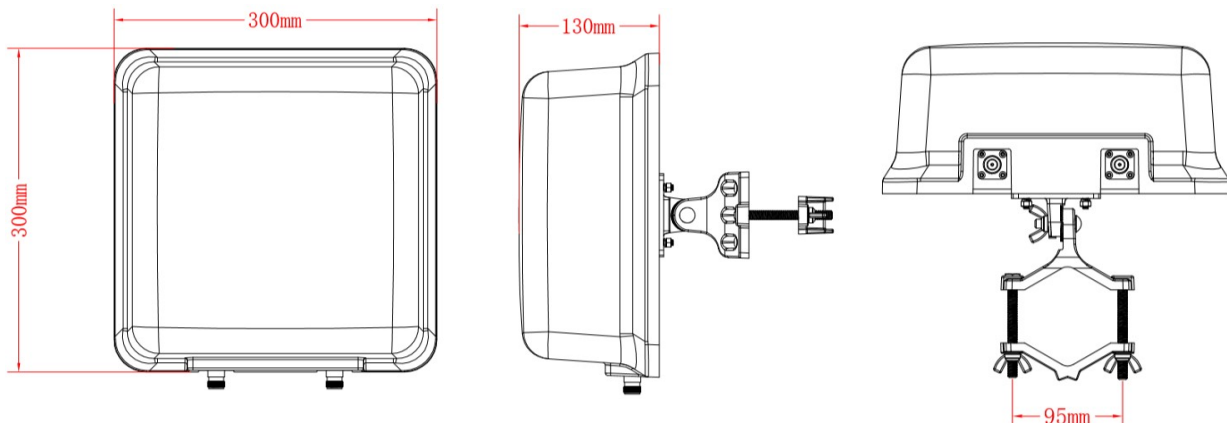
- 470-698MHz frequency
- Dual-POL
- Outdoor

Applications

- TV White Space (TVWS)

**Technical Specifications**

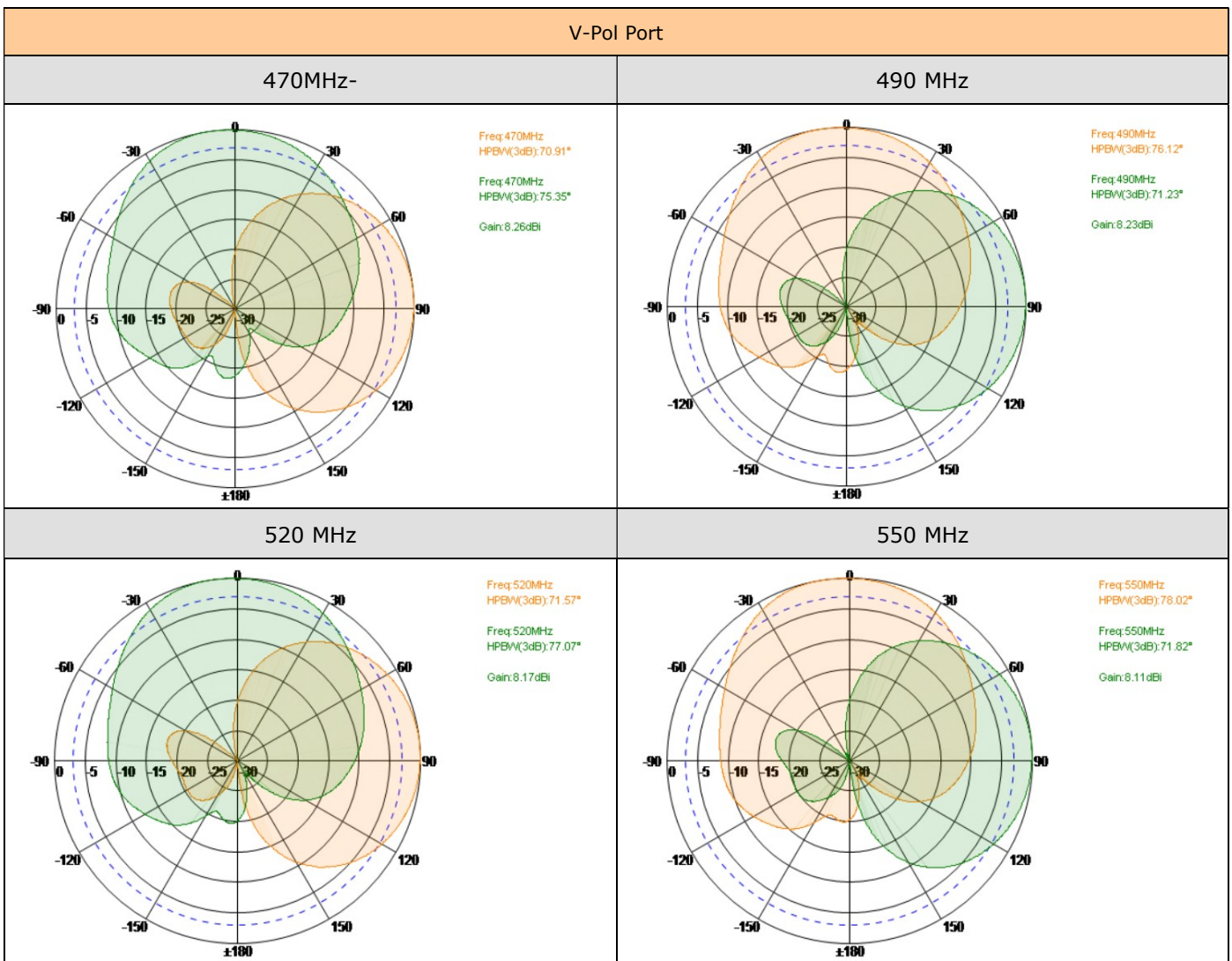
Electrical	
Model:	ANT0407D8Z-DP
Frequency Range(MHz)	470-698MHz
Gain(dBi)	8±0.5dBi
Polarization	Dual Slant V/H
Isolation	>25dB
Front to Back Ratio:	>13dB
Horizontal Beam width	80±12°
Vertical Beam width	75±12°
VSWR	<2
Maximum Power Per Port	50W
Impedance	50Ω
Lighting protection	DC Ground
Mechanical	
Connector	2 x N Female
Height/width/depth	300x300x130mm
Antenna Weight	2kg
Radome color	white
Radome material	UV Protection ABS
Operational Temperature	-40°C to +70°C (-32°F to +158°F)
Humidity	ETS 300 019-1-4, EN 302 085(ANNEX A.1.1)

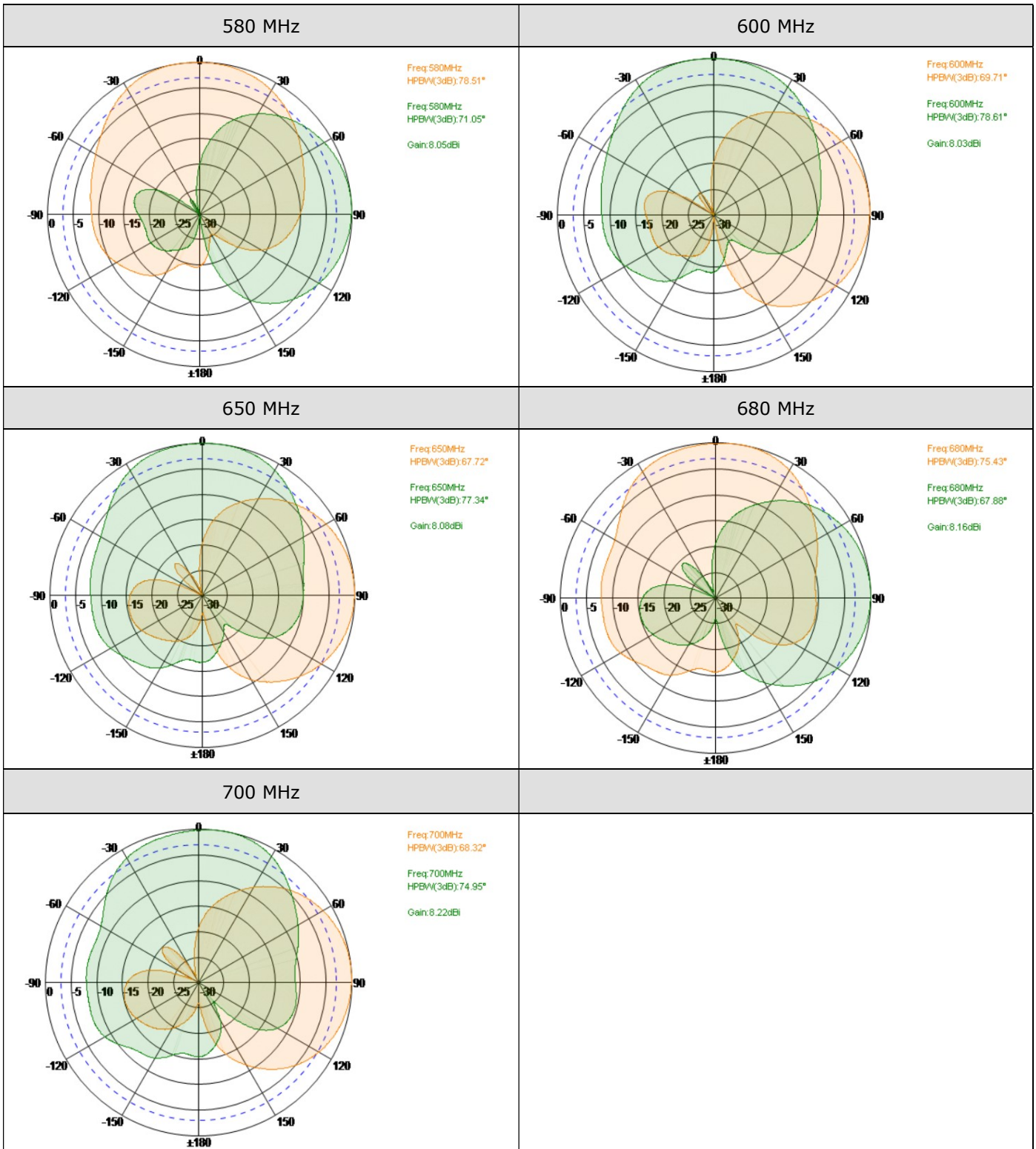


Freq. Gain.Beam Data

Freq.	V-Pol Port			H-Pol Port		
	Gain	E	H	Gain	E	H
470MHz	8.26dBi	70.91°	75.35°	8.15dBi	90.01°	64.68°
490 MHz	8.23dBi	71.23°	76.12°	8.13dBi	89.69°	64.60°
520 MHz	8.17dBi	71.57°	77.07°	8.10dBi	89.88°	64.59°
550 MHz	8.11dBi	71.82°	78.02°	8.07dBi	89.73°	64.66°
580 MHz	8.05dBi	71.05°	78.51°	8.04dBi	89.47°	65.09°
600 MHz	8.03dBi	69.71°	78.61°	8.05dBi	88.90°	65.12°
650 MHz	8.08dBi	67.72°	77.34°	8.15dBi	84.87°	64.96°
680 MHz	8.16dBi	67.88°	75.43°	8.23dBi	81.18°	65.03°
700 MHz	8.22dBi	68.32°	74.95°	8.28dBi	79.12°	65.06°

Freq. Gain.Beam PIC

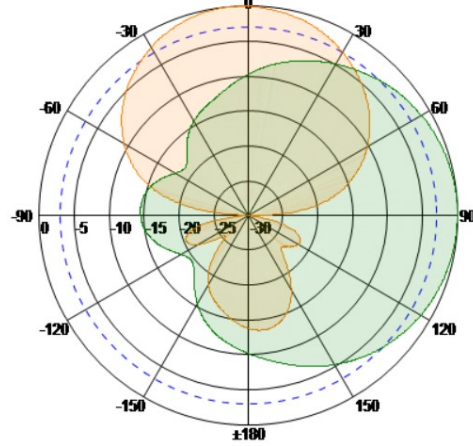
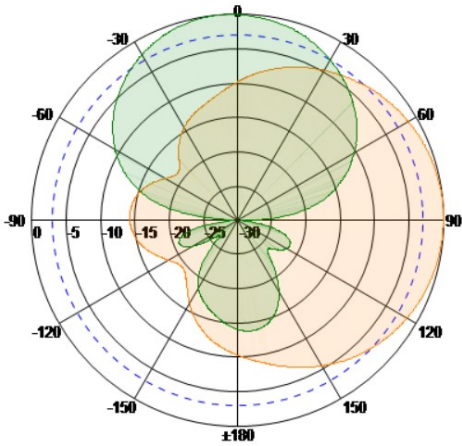




H-Pol Port

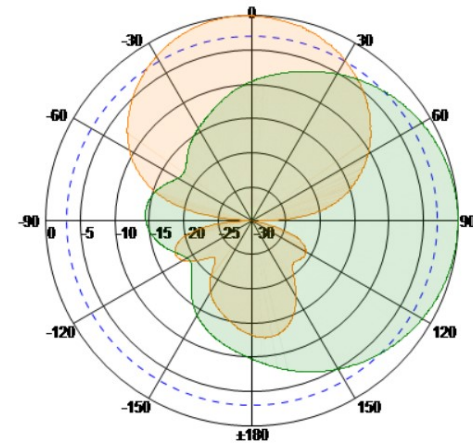
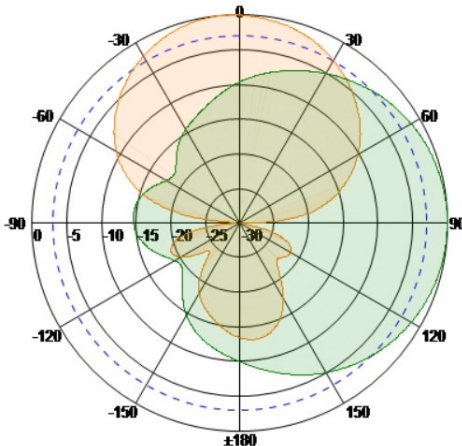
470MHz-

490MHz-



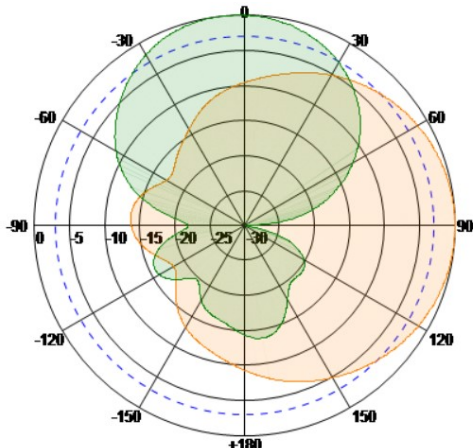
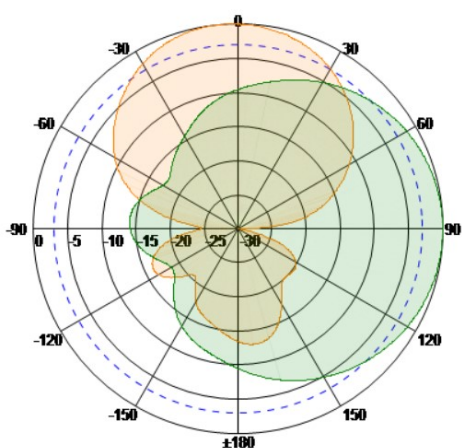
520 MHz

550 MHz



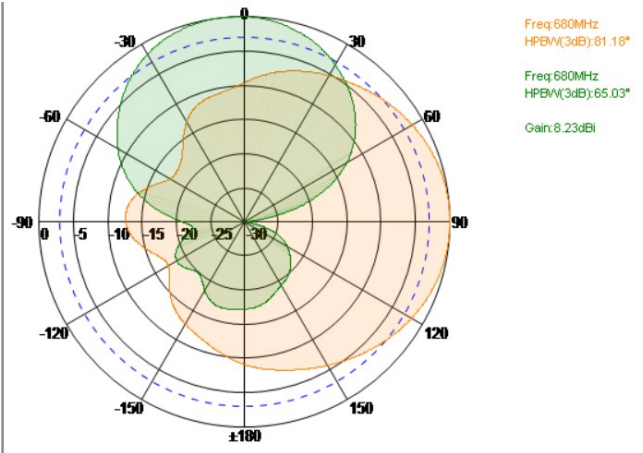
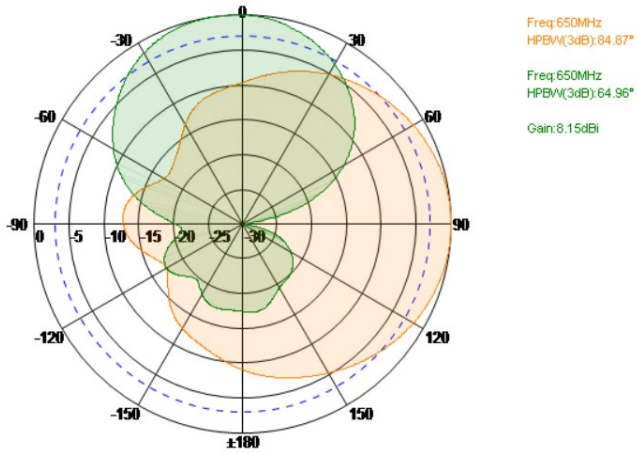
580 MHz

600 MHz



650 MHz

680 MHz



700 MHz

