

Most common antenna for infill sites: WBX065A18R250.

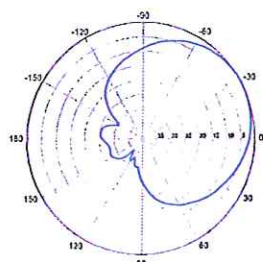
WBX065A18R250

X-Pol | RET with Azimuth Steering and Bias-T | 65° | 17.5 dBi

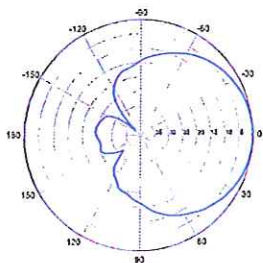
Electrical Characteristics	1710-2170 MHz		
Frequency bands	1710-1880 MHz	1850-1990 MHz	1900-2170 MHz
Polarization	± 45°	± 45°	± 45°
Horizontal beamwidth	65°	70°	70°
Vertical beamwidth	8.0°	7.2°	6.5°
Gain	14.4 dBd / 16.5 dBi	14.9 dBd / 17.0 dBi	15.4 dBd / 17.5 dBi
Electrical downtilt	0°-8° Variable Electrical Tilt		
Adjustable azimuth steering	± 30°		
Impedance	50Ω		
VSWR	<1.4:1		
Upper sidelobe suppression	< 20 dB typical		
Front-to-Back ratio	> 25 dB		
In band Isolation	> 28 dB		
IM3 (2x20W carrier)	< -153 dBc		
Input power	2 x 300 W		
Input DC power	10V - 30V DC		
Modem Frequency	2.176 MHz		
Lightning protection	Gas Discharge		
Connector(s)	2 Ports / 7/16 DIN / Female / Bottom		
Operating temperature	-40° to +60° C (-40° to 140° F)		
Mechanical Characteristics			
Dimensions HxWxD	1372 x 228 x 187 mm	54.0 x 9.0 x 7.4 in	
Weight without brackets	11.3 kg	25 lbs	
Survival wind speed	200 km/hr	125 mph	
Wind load @ 161 km/hr (100 mph)	Front: 255 N Side: 210 N	Front: 57 lbf Side: 47 lbf	
Mounting Options	Part Number	Fits Pipe Diameter	Weight
Pole mounting bracket kit	MKS02P01	40-115 mm 1.6-4.5 in	2.9 kg 6.5 lbs
Scissor tilt bracket kit	MKS02T08	40-115 mm 1.6-4.5 in	4.3 kg 9.5 lbs
Concealment Options			
UNICELL module	None		



1710-1880 MHz

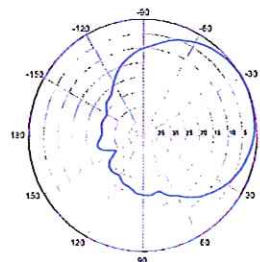


Horizontal | -30°

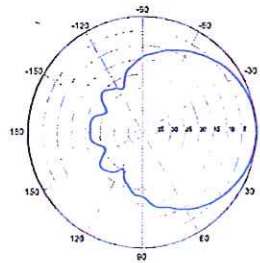


Horizontal | 0°

1850-1990 MHz

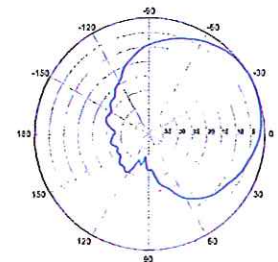


Horizontal | -30°

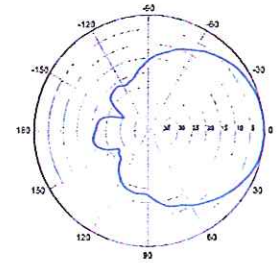


Horizontal | 0°

1900-2170 MHz



Horizontal | -30°



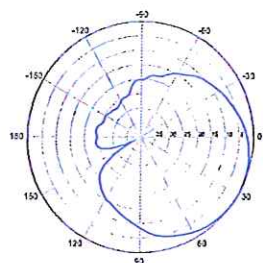
Horizontal | 0°

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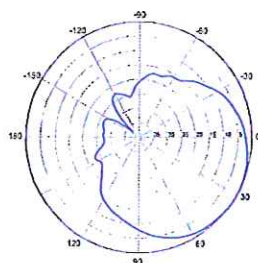
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1710-1880 MHz



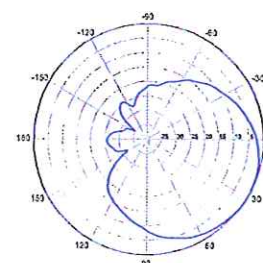
Horizontal | 30°

1850-1990 MHz

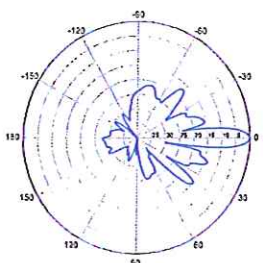


Horizontal | 30°

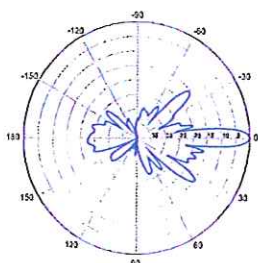
1900-2170 MHz



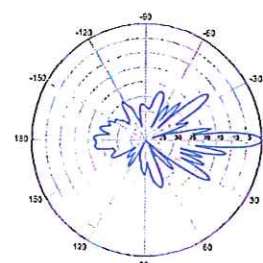
Horizontal | 30°



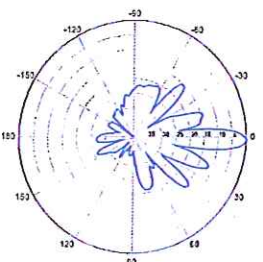
0° | Vertical



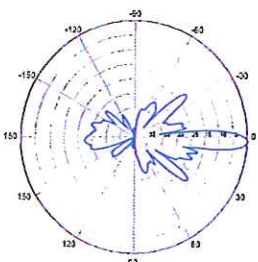
0° | Vertical



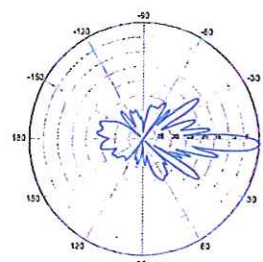
0° | Vertical



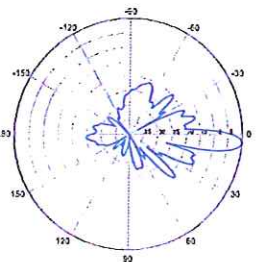
2° | Vertical



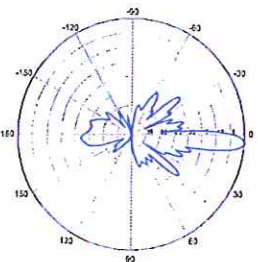
2° | Vertical



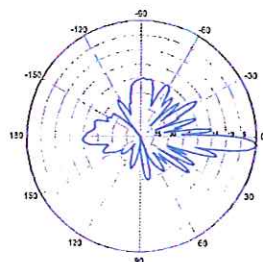
2° | Vertical



4° | Vertical



4° | Vertical

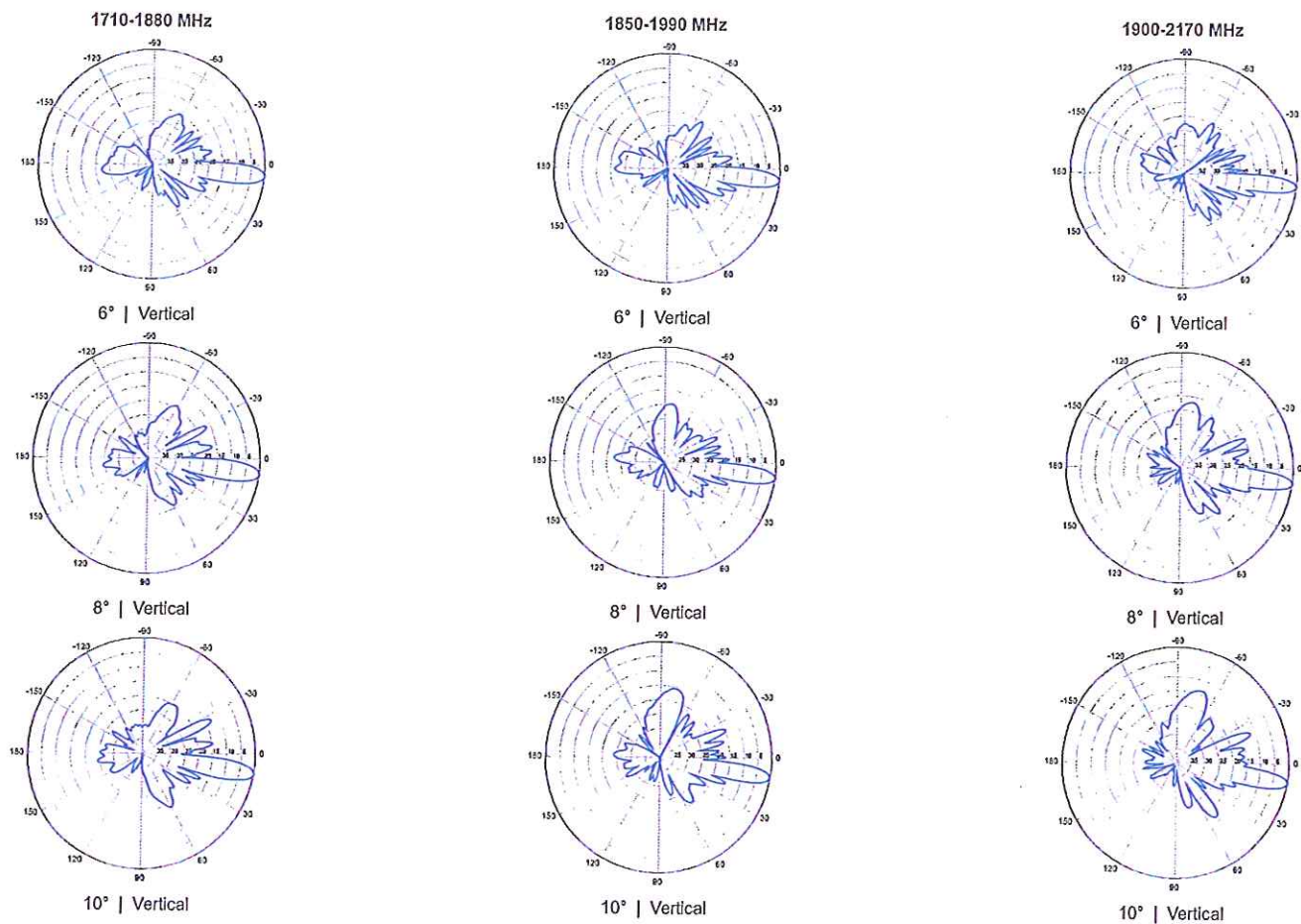


4° | Vertical

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