



C-Band 5G Small Cell Antennas

Broadband panel and omnidirectional antennas that support spectrum from 694 MHz to 5.9 GHz including the soon to be available C-Band

Ready for any small cell deployment scenario

Small cell networks are ideal to increase capacity and extend coverage outdoors at any building or venue where distributed antenna system (DAS) networks are used to support high volumes of network traffic originating indoors.

Small cell and DAS solutions also enable neutral-host, shared infrastructure solutions that help operators keep costs down and address property owners' concerns about the aesthetics of large numbers of antennas.

RFS' 5G small cell base station antennas (BSAs) give operators' the flexibility they need when deploying small cells to densify networks and support neutral-host deployments. These lightweight antennas support 4x4 MIMO technology in multiple bands today. With their C-Band coverage, they help the user future proof their sites as well as support the newer Citizens Broadband Radio Service (CBRS) band and License Assisted Access (LAA) spectrum that is available today.

Broadband spectrum support

Each array on RFS' 5G small cell BSAs offers broadband capabilities to support multiple operators and further increase deployment flexibility.

Band	Spectrum Support (MHz)
Low	X4 694 to 960 on 14-port models
Mid	X4 1695 to 2690
C-Band & CBRS	X4 3300 to 4200
LAA	X2 5150 to 5925

A range of small cell BSAs to choose from

All RFS C-Band 5G small cell BSAs feature 10 or 14 ports for 4-way MIMO on most bands. 10-port antennas are smaller in size and preferred when low-band is not needed.



Exclusive Features and Benefits

Optimized performance and design

- **C-Band Ready**
Future proofs the site for the upcoming auction
- **Broadband spectrum support**
Simplifies antenna siting in neutral-host environments and reduces costs by enabling use by multiple operators
- **CBRS and LAA spectrum capabilities**
Enables smooth evolution to new technologies as they are deployed in network densification plans
- **Lightweight design**
Reduces small cell footprint, simplifies installation

RFS' lightweight and versatile 5G small cell BSAs make it easy to improve coverage and capacity at high-traffic, indoor-outdoor venues such as airports, office buildings, campuses, stadiums, convention centers, hotels and transit systems

Antenna Type	Primary Application	Spectrum Support	Model Number
Panel	4x4 MIMO in visually sensitive areas	700 MHz/800 MHz/900 MHz/PCS/AWS/BRS/C-BAND/CBRS/LAA	P-BBLLYYZ06-01
Omnidirectional Clover	4x4 MIMO on pole tops	700 MHz/800 MHz/900 MHz/PCS/AWS/BRS/C-BAND/CBRS/LAA	O-BBLLYYZ06-01
Panel	4x4 MIMO in visually sensitive areas	PCS/AWS/BRS/C-BAND/CBRS/LAA	SP-LLYYZ06-F0
Omnidirectional Clover	4x4 MIMO on pole tops	PCS/AWS/BRS/C-BAND/CBRS/LAA	SO-LLYYZ06-F0

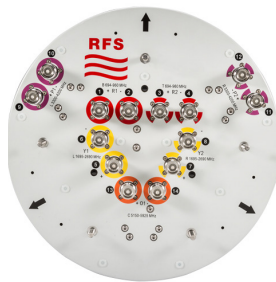


Product Specifications

Specification	Band	P-BBLLYYZ06-01	O-BBLLYYZ06-01	SP-LLYYZ06-F0	SO-LLYYZ06-F0
Frequency Range, MHz	Low	694-960	694-960		
	Mid	1695-2690	1695-2690	1695-2690	1695-2690
	C-Band	3300-4200	3300-4200	3300-4200	3300-4200
	LAA	5150-5925	5150-5925	5150-5925	5150-5925
Number of Ports	Low	4	4		
	Mid	4	4	4	4
	C-Band	4	4	4	4
	LAA	2	2	2	2
Horizontal Beamwidth - Degrees	Low	79	360		
	Mid	65	360	65	360
	C-Band	61	360	64	360
	LAA	69	360	68	360
Vertical Beamwidth - Degrees	Low	74	74		
	Mid	17	17	17	17
	C-Band	30	30	32	32
	LAA	25	25	26	26
Gain - dBi	Low	7.2	2.9		
	Mid	12.7	7.7	13.8	9.5
	C-Band	10.1	6.1	10.9	6.5
	LAA	5.1	4.8	4.9	4.8
Length - Inches		24	24	24	24
Width - Inches		13.4	14	11.1	13.1
Weight - Pounds		15	25	11.5	23.8
Connectors		4.3-10 Long Neck	4.3-10 Long Neck	4.3-10 Long Neck	4.3-10 Long Neck
Mounting Bracket		MDT	Fixed	MDT	Fixed



P-BBLLYYZ06-01



O-BBLLYYZ06-01



SP-LLYYZ06-F0



SO-LLYYZ06-F0