

- With a 48" height and 14.5" diameter, this low-profile canister antenna is an ideal solution for Small Cell Densification deployments in difficult jurisdictional urban, suburban. rural and other visually sensitive environments
- Outdoor Distributed Antenna Systems (ODAS), neutral host in venues, campuses and other outdoor coverage applications



# Tri-Band Omni Antenna

### SCA360F-EHJ4Gv2

# SPECIFICATIONS

Electrical

Ports	12 × High Band Ports for 1695-2690 MHz				
Frequency Range	1695-1880 MHz 1850-1990 MHz 1920-2180 MHz 2300-2400 MHz 2496-2690 MHz				
Gain Peak <sup>i</sup> (6° EDT)	7.2 dBi	7.9 dBi	8.4 dBi	8.4 dBi	8.4 dBi
Gain BASTA <sup>2</sup> (6° EDT)	6.8 <u>+</u> 0.2 dBi	7.3 <u>+</u> 0.4 dBi	7.8 <u>+</u> 0.5 dBi	8.1 <u>+</u> 0.2 dBi	7.7 <u>+</u> 0.3 dBi
Elevation Beamwidth (-3dB) (6° EDT)	23.1°	21.1°	19.9°	17.5°	15.8°
Electrical Downtilt	2° or 4° or 6°	2° or 4° or 6°	2° or 4° or 6°	2° or 4° or 6°	2° or 4° or 6°
First Upper Sidelobes (at Peak Gain) (6° EDT)	< -19 dB	< -19 dB	< -19 dB	< -16 dB	< -16 dB
Cross-Polar Port-to-Port Isolation (all tilts)	> 25 dB	> 25 dB	> 25 dB	> 25 dB	> 25 dB
Voltage Standing Wave Ratio(VSWR)	< 1.5:1	< 1.5:1	< 1.5:1	< 1.5:1	< 1.5:1
Passive Intermodulation (2×20W)	≤ -153 dBc	≤ -153 dBc	≤ -153 dBc	≤ -153 dBc	≤ -153 dBc
Input Power Continuous Wave (CW)	100 watts	100 watts	100 watts	100 watts	100 watts
Polarization	Dual Pol 45°	Dual Pol 45°	Dual Pol 45°	Dual Pol 45°	Dual Pol 45°
Input Impedance	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground	DC Ground

<sup>1</sup>Peak gain across sub-bands.

<sup>2</sup>Electrical specifications follow document "Recommendation on Base Station Antenna Standards" (BASTA) V9.6.

r 3300-4200 MHz	4 × High Band Ports for 5150-5925 MHz
3700-4200 MHz	5150-5925 MHz
6.1 dBi	4.9 dBi
5.3 <u>+</u> 0.7 dBi	3.7 <u>+</u> 0.8 dBi
23.7°	26.6°
4°	6°
< -16 dB	< -20 dB
> 25 dB	> 25 dB
< 1.5:1	< 1.5:1
50 watts	10 watts
Dual Pol 45°	Dual Pol 45°
50 ohms	50 ohms
DC Ground	DC Ground
	r 3300-4200 MHz 3700-4200 MHz 6.1 dBi 5.3±0.7 dBi 23.7° 4° < -16 dB > 25 dB < 1.5:1 50 watts Dual Pol 45° 50 ohms DC Ground

<sup>1</sup>Peak gain across sub-bands.

<sup>2</sup>Electrical specifications follow document "Recommendation on Base Station Antenna Standards" (BASTA) V9.6.

Mechanical	
Dimensions (L × D)	48.0×14.5 in (1219×368 mm)
Survival Wind Speed	> 150 mph (> 241 kph)
Front Wind Load	89 lbs (395 N) @ 100 mph (161 kph)
Equivalent Flat Plate Area	3.5 ft <sup>2</sup> (0.3 m <sup>2</sup> )
Weight	33.3 lbs (15.1 kg)
Connector (RF)	20 × 4.3-10 female
Connector (GPS)	1 x Type "N"

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# Tri-Band Omni Antenna

### SCA360F-EHJ4Gv2

### SPECIFICATIONS

### Typical Antenna Patterns

For detailed information on additional antenna patterns, contact customer support at support@cciproducts.com



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**SPECIFICATIONS** 

# tenna

# Tri-Band Omni Antenna

### SCA360F-EHJ4Gv2





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350

3500 MHz Azimuth



3500 MHz Elevation 4°



4100 MHz Azimuth

4100 MHz Elevation 4°

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**SPECIFICATIONS** 

# tenna

# Tri-Band Omni Antenna

### SCA360F-EHJ4Gv2





0

350

5150 MHz Azimuth



5825 MHz Azimuth

5150 MHz Elevation 6°



5825 MHz Elevation 6°

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# Tri-Band Omni Antenna

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Parts & Accessories				
	Description	Antenna Color		
SCA360F-EHJ4Gv2A	Four foot (1.2 m) Tri-Band Quasi-Omni antenna with 2° EDT across all 1695-2690 MHz ports, 4° across all 3300-4200 MHz ports and 6° across all 5150-5925 MHz ports, 4.3-10 connectors with protective endcaps, GPS with Type N connector, standardized 6 bolt "Starburst" pattern and AHH-01 antenna hoisting harness	Standard Grey		
SCA360F-EHJ4Gv2B	Four foot (1.2 m) Tri-Band Quasi-Omni antenna with 4° EDT across all 1695-2690 MHz ports, 4° across all 3300-4200 MHz ports and 6° across all 5150-5925 MHz ports, 4.3-10 connectors with protective endcaps, GPS with Type N connector, standardized 6 bolt "Starburst" pattern and AHH-01 antenna hoisting harness	Standard Grey		
SCA360F-EHJ4Gv2C	Four foot (1.2 m) Tri-Band Quasi-Omni antenna with 6° EDT across all 1695-2690 MHz ports, 4° across all 3300-4200 MHz ports and 6° across all 5150-5925 MHz ports, 4.3-10 connectors with protective endcaps, GPS with Type N connector, standardized 6 bolt "Starburst" pattern and AHH-01 antenna hoisting harness	Standard Grey		
SCA360F-EHJ4Gv2D	Four foot (1.2 m) Tri-Band Quasi-Omni antenna with 2° EDT on 8 ports and 4° EDT on 4 ports of the 1695-2690 MHz ports, 4° across all 3300-4200 MHz ports and 6° across all 5150-5925 MHz ports, 4.3-10 connectors with protective endcaps, GPS with Type N connector, standardized 6 bolt "Starburst" pattern and AHH-01 antenna hoisting harness	Standard Grey		
SCA360F-EHJ4Gv2E	Four foot (1.2 m) Tri-Band Quasi-Omni antenna with 2° EDT on 8 ports and 6° EDT on 4 ports of the 1695-2690 MHz ports, 4° across all 3300-4200 MHz ports and 6° across all 5150-5925 MHz ports, 4.3-10 connectors with protective endcaps, GPS with Type N connector, standardized 6 bolt "Starburst" pattern and AHH-01 antenna hoisting harness	Standard Grey		
SCA360F-EHJ4Gv2F	Four foot (1.2 m) Tri-Band Quasi-Omni antenna with 4° EDT on 8 ports and 6° EDT on 4 ports of the 1695-2690 MHz ports, 4° across all 3300-4200 MHz ports and 6° across all 5150-5925 MHz ports, 4.3-10 connectors with protective endcaps, GPS with Type N connector, standardized 6 bolt "Starburst" pattern and AHH-01 antenna hoisting harness<	Standard Grey		
Color Options	For Brown (Pantone 476C) add "2" to end of model name (ie SCA360F-EHJ4Gv2A2)	Brown		
	For Black (RAL 9011) add "3" to end of model name (ie SCA360F-EHJ4Gv2A3)	Black		
AHH-01	Four foot (1.2 m) Antenna Hoisting Harness	NA		

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ACCESSORIES

# Antennas

# Antenna Hoisting Harness

AHH-01

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Individual Cable Part Number	AHH-01
Construction	400 kg Nylon Webbing
Color	Black
Max Antenna weight	100 lbs (45.3 kg)

Environmental Specifications

Individual Cable Part Number	AHH-01
Temperature Range	-45° to 70° C

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STANDARDS & CERTIFICATIONS

# Antennas

# Tri-Band Omni Antenna

SCA360F-EHJ4Gv2

Standards & Compliance

Environmental	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-5,
	IEC 60068-2-6, IEC-60068-2-11, IEC 60068-2-14,
	IEC 60068-2-18, IEC 60068-2-27, IEC 60068-2-29,
	IEC 60068-02-30, IEC 60068-2-52, IEC 60068-2-64,
	GR-63-CORE 4.3.1, EN 60529, IP 24

Certifications

Federal Communication Commission (FCC) Part 15 Class B, ISO 9001



