VVSS-360S-F4



8-port small cell antenna, 4x 1695-2690, 4x 3100-4200 MHz, 360° Horizontal Beamwidth, fixed tilt.

- Broadband Mid Band arrays (AWS/PCS/WCS/Band 41) with 4T4R (4X MIMO) capability
- Broadband performance optimized for CBRS and C-bands
- 4 high gain ports for the 3GHz band

General Specifications

Antenna Type Small Cell

Band Multiband

Color Light Gray (RAL 7035)

Grounding Type RF connector inner conductor and body grounded to reflector and mounting bracket

Performance Note Outdoor usage

Radome Material ASA, UV stabilized

Radiator Material Low loss circuit board

Reflector Material Aluminum

RF Connector Interface 4.3-10 Female

RF Connector Location Bottom

RF Connector Quantity, high band 8
RF Connector Quantity, low band 0
RF Connector Quantity, total 8

Dimensions

 Width
 370 mm | 14.567 in

 Depth
 370 mm | 14.567 in

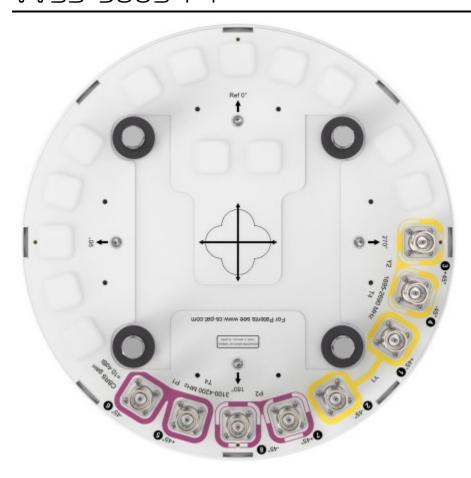
 Length
 610 mm | 24.016 in

 Net Weight, without mounting kit
 14.8 kg | 32.628 lb

Port Configuration



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Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 1695 – 2690 MHz | 3100 – 4200 MHz

 ${\bf Polarization} \\ {\bf E}45^{\circ}$ ${\bf Total Input Power, maximum} \\ {\bf 900 W}$

Electrical Specifications

	Y1-Y2	Y1-Y2	Y1-Y2	P1-P2	P1-P2	P1-P2
Frequency Band, MHz	1695-1920	1920-2200	2300-2690	3100-3550	3550-3700	3700-4200
RF Port	1-4	1-4	1-4	5-8	5-8	5-8
Gain, dBi	8.1	9	8.6	9.5	10	9.9
Beamwidth, Horizontal, degrees	360	360	360	360	360	360
Beamwidth, Vertical, degrees	20.7	19.2	15.3	10	8.8	8.1
Beam Tilt, degrees	4	4	4	4	4	4

Page 2 of 3



VVSS-360S-F4

Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	28	28	28	28	28	28
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-145	-145	-145
Input Power per Port, maximum, watts	200	200	200	150	150	150
Input Power per Port at 50°C, maximum, watts	150	150	150	100	100	100

Mechanical Specifications

BASTA Version, mechanical BASTA v12

Packaging and Weights

 Width, packed
 478 mm | 18.819 in

 Depth, packed
 464 mm | 18.268 in

 Length, packed
 894 mm | 35.197 in

 Weight, gross
 19.2 kg | 42.329 lb

Regulatory Compliance/Certifications

Agency	Classification
Agency	Ciassilication

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

UK-ROHS Compliant

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

