

VS-65T-FVB

4-port small cell antenna, 2x 1695–2690 MHz, 2x 3300–3800 MHz, 65° HPBW, fixed electrical tilt

- Designed for strand mounting with OEM equipment
- 4.3-10 connectors on back
- In cases where the antenna is to be mounted on a customer supplied pole (40-95mm diameter), Qty1 Mounting Kit Part No. BSAMNT-S should be purchased separately

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+PC, UV stabilized
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Rear
RF Connector Quantity, high band	2
RF Connector Quantity, mid band	2
RF Connector Quantity, total	4

Dimensions

Width	200 mm 7.874 in
Depth	44 mm 1.732 in
Length	200 mm 7.874 in
Net Weight, antenna only	0.72 kg 1.587 lb

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz 3300 – 3800 MHz
Polarization	±45°

VS-65T-FVB

Total Input Power, maximum 200 W

Electrical Specifications

	Y1	Y1	Y1	Y1	P1	P1
Frequency Band, MHz	1695–1920	1920–2180	2300–2500	2500–2690	3300–3600	3600–3800
RF Port	1,2	1,2	1,2	1,2	3,4	3,4
Gain, dBi	10.6	11	11.5	12.2	12.4	12.8
Beamwidth, Horizontal, degrees	72	73	69	64	66	62
Beamwidth, Vertical, degrees	42	37.6	32.4	29.6	27.9	25.5
Beam Tilt, degrees	4	4	4	4	6	6
USLS (First Lobe), dB	17	14	12	11	17	16
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	26	29	32	32	30	27
Isolation, Cross Polarization, dB	22	22	22	22	22	22
Isolation, Inter-band, dB	22	22	22	22	22	22
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	-150	-150	-150	-150	-140	-140
Input Power per Port, maximum, watts	50	50	50	50	50	50

Electrical Specifications, BASTA

Frequency Band, MHz	1695–1920	1920–2180	2300–2500	2500–2690	3300–3600	3600–3800
Gain by all Beam Tilts, average, dBi	10.5	10.9	11.2	12	12.1	12.6
Gain by all Beam Tilts Tolerance, dB	±0.2	±0.3	±0.6	±0.3	±0.3	±0.4
Beamwidth, Horizontal Tolerance, degrees	±3	±2	±3	±2	±4	±5
Beamwidth, Vertical Tolerance, degrees	±2.1	±2.3	±1.7	±1	±1.7	±0.9
CPR at Boresight, dB	18	22	19	29	14	19

Packaging and Weights

Width, packed	230 mm 9.055 in
Depth, packed	93 mm 3.661 in
Length, packed	230 mm 9.055 in

VS-65T-FVB

Weight, gross

0.83 kg | 1.83 lb

Regulatory Compliance/Certifications

Agency

Classification

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