FFV4-65B-R6-V2

12-port sector antenna, 4x 617-894 and 8x 1695-2690 MHz, 65° HPBW, 6x RET

General Specifications

Antenna Type	Sector
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	Fiberglass, UV resistant
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	8
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	4
RF Connector Quantity, total	12

Remote Electrical Tilt (RET) Information

RET Hardware	CommRET v2
RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	1 female | 1 male
Input Voltage	10–30 Vdc
Internal RET	High band (4) | Low band (2)
Power Consumption, active state, maximum	8 W
Power Consumption, idle state, maximum	1 W
Protocol	3GPP/AISG 2.0 (Single RET)
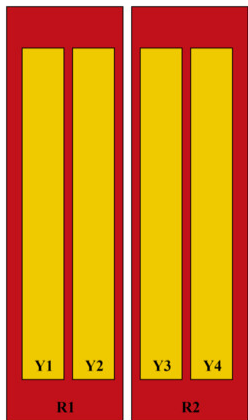
Dimensions

Width	498 mm | 19.606 in

ANDREW®
an Amphenol company

FFV4-65B-R6-V2

Depth	197 mm | 7.756 in
Length	2000 mm | 78.74 in
Net Weight, antenna only	34.7 kg | 76.5 lb

Array Layout

Array ID	Frequency (MHz)	RF Connector	RET (SRET)	AISG RET UID
R1	617-894	1 - 2	1	CPxxxxxxxxxxxxxxxxR1
R2	617-894	3 - 4	2	CPxxxxxxxxxxxxxxxxR2
Y1	1695-2690	5 - 6	3	CPxxxxxxxxxxxxxxxxY1
Y2	1695-2690	7 - 8	4	CPxxxxxxxxxxxxxxxxY2
Y3	1695-2690	9 - 10	5	CPxxxxxxxxxxxxxxxxY3
Y4	1695-2690	11 - 12	6	CPxxxxxxxxxxxxxxxxY4

(Sizes of colored boxes are not true depictions of array sizes)

Port Configuration

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz | 617 – 894 MHz

ANDREW®
an Amphenol company

FFV4-65B-R6-V2

Polarization	±45°
Total Input Power, maximum	1,400 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	R1,R2 617–698	R1,R2 698–894	Y1,Y2,Y3,Y4 1695–1880	Y1,Y2,Y3,Y4 1850–1990	Y1,Y2,Y3,Y4 1920–2200	Y1,Y2,Y3,Y4 2300–2500	Y1,Y2,Y3,Y4 2500–2690
RF Port	1,2,3,4	1,2,3,4	5,6,7,8,9,10,11,12	5,6,7,8,9,10,11,12	5,6,7,8,9,10,11,12	5,6,7,8,9,10,11,12	5,6,7,8,9,10,11,12
Gain, dBi	14.8	15.4	16.4	16.9	17.3	17.6	17.6
Beamwidth, Horizontal, degrees	64	55	65	65	61	57	56
Beamwidth, Vertical, degrees	12.1	10.6	6.7	6.3	5.9	5.3	5.1
Beam Tilt, degrees	2–14	2–14	2–12	2–12	2–12	2–12	2–12
USLS (First Lobe), dB	16	16	16	18	18	19	19
Front-to-Back Ratio at 180°, dB	27	30	31	30	32	30	29
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25
Isolation, Inter-band, dB	25	25	25	25	25	25	25
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	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150	-150
Input Power per Port at 50°C, maximum, watts	250	250	200	200	200	200	200

Packaging and Weights

Width, packed	565 mm | 22.244 in
Depth, packed	309 mm | 12.165 in
Length, packed	2187 mm | 86.102 in
Weight, gross	48.5 kg | 106.924 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

ANDREW
an Amphenol company

FFV4-65B-R6-V2

ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

Included Products

BSAMNT-4	–	Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

Performance Note   Severe environmental conditions may degrade optimum performance

ANDREW®
an Amphenol company

BSAMNT-4

Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

Product Classification

Product Type	Downtilt mounting kit

General Specifications

Application	Outdoor
Color	Silver

Dimensions

Compatible Diameter, maximum	115 mm | 4.528 in
Compatible Diameter, minimum	60 mm | 2.362 in
Weight, net	6.5 kg | 14.33 lb

Material Specifications

Material Type	Galvanized steel

Packaging and Weights

Included	Brackets | Hardware
Packaging quantity	1

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant