

DV37-001-01-A0-E



2-port Venue Antenna, 3300-4000 MHz, 37° HPBW, Fixed Tilt

- Designed with CleanBeam™ technology
- 2T2R MetaLens™ antenna
- 37° azimuth and 37° elevation Beamwidth
- Supports 2x2 MIMO

Product Classification

Product Type Over-the-head stadium antenna

General Specifications

Color	White
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Horizontal Beamwidth	33°
Radome Material	FRP, UV resistant
RF Connector Interface	4.3-10 Female
RF Connector Quantity, total	2

Dimensions

Width	135 mm 5.315 in
Width/Diameter	≤ 200 mm
Depth	203 mm 7.992 in
Length	135 mm 5.315 in
Length Size	<0.7 m (2 ft)
Net Weight, without mounting kit	0.9 kg 1.984 lb

Port Configuration

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Electrical Specifications

Operating Frequency Band	3300 – 4000 MHz
Operating Frequency Band Range	3100 – 5000 MHz
Polarization	±45°

Electrical Specifications

	P1	P1	P1
Frequency Band, MHz	3300–3800	3550–3700	3700–4000
RF Port	1,2	1,2	1,2
Gain, dBi	13	13.1	13.6
Beamwidth, Horizontal, degrees	36	35	33
Beamwidth, Vertical, degrees	35	33	33
USLS (First Lobe), dB	15	17	19
Front-to-Back Ratio at 180°, dB	34	39	42
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	23	23	22
Isolation, Cross Polarization, dB	25	25	25
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153
Input Power per Port, maximum, watts	80	80	80

Mechanical Specifications

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Wind Loading @ Velocity, frontal	23.0 N @ 150 km/h (5.2 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	35.0 N @ 150 km/h (7.9 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	23.0 N @ 150 km/h (5.2 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Environmental Specifications

Ingress Protection Test Method	IEC 60529:2001, IP66
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Packaging and Weights

Width, packed	246 mm 9.685 in
Depth, packed	391 mm 15.394 in
Length, packed	279 mm 10.984 in
Weight, gross	3.5 kg 7.716 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ROHS	Compliant
UK-ROHS	Compliant



Included Products

APM40-VEN	–	Elevation Tilt Mounting Kit for 2.0-4.3 in (50-110 mm) OD round members.
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