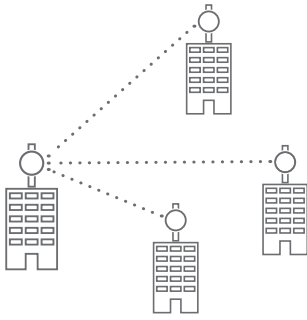


Sectoral Antennas

Portfolio

10 / 26 / 28 GHz



FIA-Faini has introduced a new line of Point to Multipoint (PMP) sectoral antennas 90° that operate at different frequency ranges and gains. The antennas are suitable for both standalone and direct-mount installation, as they are compatible with the interfaces available by the major radio brands.

Their highly-robust design makes FIA-Faini's sectoral antennas the best choice for installation at premises with extreme environmental conditions and with high wind velocity, up to 250 Km/h.

The FIA-Faini's product portfolio also includes a symmetrical directional coupler, with enhanced inter-port isolation. It is suitable for combining a pair of sectoral antennas in order to cover wider azimuth angles.

	HANT 1090 V	HANT 1090 H	HANT 2690 H-HG	HANT 2690 V-HG	HANT 2690 H	HANT 2690 V	HANT 2890 H-HG	HANT 2890 V-HG	HANT 2890 H	HANT 2890 V	HANT 262890 V	HANT 262890 H
Frequency range [GHz]	10.15 – 10.65		24.50 – 26.50				27.50 – 29.50				24.50 – 29.50	
Type	Sectoral 90°											
Gain [dBi]	15.5	16.0	19		15		19		15		16.6	
Polarization	Vert.	Horiz.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Vert.	Horiz.
HPBW [deg] (Azimuth / Elevation)	90 / 10	90 / 8	90 / 4		90 / 11		90 / 4		90 / 11		90 / 8	
Return Loss [dB]	≤ -14		≤ -10		≤ -15				≤ -10			
F/B [dB]	35		30 (worst)				30					
XPD [dB]	30		25 (worst)				30					
Electrical Compliance	ETSI EN 302 326-3 SS3		ETSI EN 302 326-3 V1.3.1 SS2b								ETSI EN 302 326-3 SS2	
Input flange	R120 or customized		UBR220 (WR42)				UBR320 (WR28)				R260 or customized	
Lighting Protection	DC grounded											
EL / AZ fine adjustment [deg]					±15 / ±20				±20 / ±10			
Net Weight [Kg] (With Mounting Bracket)	8.5	10.0	7.9				8					
Operating Temperature [°C]	-40 to +60											
Humidity (at 30°C) [%]	95											
Wind velocity (Operational & Survival) [Km/h]	250											
Wind Forces: Axial Force / Side Force / Twisting Moment	230 N / 220 N / 80 Nm		180 N / 90 N / 55 Nm								230 N / 230 N / 80 Nm	
Overall dimensions High / Width / Depth [mm] (pole mount excluded)	314 / 145 / 190	338 / 190 / 237	240 / 240 / 113								240 / 240 / 240	



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