



Antennas 88-108 MHz

Model	Short description	Band, MHz	Gain, dBi
D4 FM (L)	Four dipoles and power divider, 500 W	88-100	8.15-11.15
D4 FM (H)	Four dipoles and power divider, 500 W	100-108	8.15-11.15
D4 FM(L)-2	Four dipoles and power divider, 2000 W	88-100	8.15-11.15
D4 FM(H)-2	Four dipoles and power divider, 2000 W	100-108	8.15-11.15
D6 FM (L)	Six dipoles and power divider, 500 W	88-100	9.65-12.65
D6 FM (H)	Six dipoles and power divider, 500 W	100-108	9.65-12.65
D6 FM (L)-2	Six dipoles and power divider, 2000 W	88-100	9.65-12.65
D6 FM (H)-2	Six dipoles and power divider, 2000 W	100-108	9.65-12.65
RAD-4FM	Directional antenna, 500 W	88-108	12.95
RAD-4FM-2	Directional antenna, 2000 W	88-108	12.95
DS8-FM (L)	Four systems of 2 dipoles and power divider, 500 W	90-101	9.15
DS8-FM (H)	Four systems of 2 dipoles and power divider, 500 W	100-110	9.15
DS8-FM (L)-2	Four systems of 2 dipoles and power divider, 2000 W	90-101	9.15
DS8-FM (H)-2	Four systems of 2 dipoles and power divider, 2000 W	100-110	9.15



88-108 MHz
Dipole antennas D4 FM(L), D4
FM(H),
D4 FM(L)-2, D4 FM(H)-2

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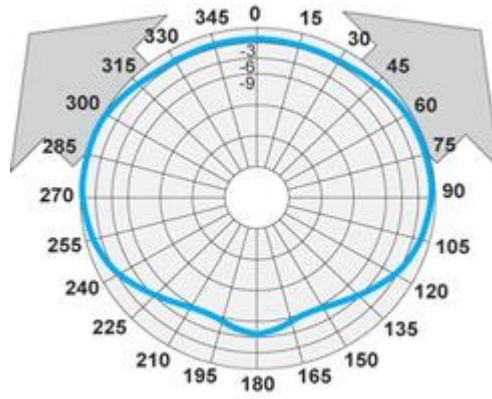
Electrical specifications

Model	D4 FM(L)	D4 FM(H)	D4 FM(L)-2	D4 FM(H)-2
Operating frequency band, MHz	88-100	100-108	88-100	100-108
VSWR, not more than	1.5	1.5	1.5	1.5
Gain OMNI, dBi	8.15	8.15	8.15	8.15
OFFSET, dBi	11.15	11.15	11.15	11.15
Sector in vertical plane , -3dB	18°	18°	18°	18°
Impedance, Ohm	50	50	50	50
Max. power input, W	500	500	2000	2000

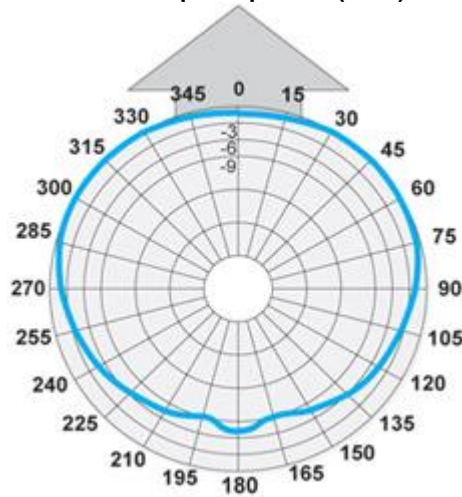
Mechanical specifications

Model	D4 FM(L)	D4 FM(H)	D4 FM(L)-2	D4 FM(H)-2
Weight, kg	18.5	18	20.5	20
Height/Length, M	8.25	8.25	8.25	8.25
Construction material	Aluminium alloy			
Mast diametr, mm	38-65			
Rated wind velocity, m/s	42	42	42	42
Wind loading area, m ²	0.41	0.4	0.41	0.4
Load of side wind 45 m/s, H	465	465	465	465
Rated wind velocity with 0.5" icing, m/s	28	28	28	28
Temperature range, °C	from -50 to +50			
Connector	N-female	N-female	7/16 DIN	7/16 DIN

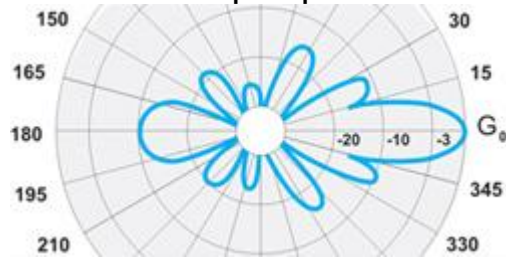
D4 FM H-plane pattern (1/2 λ)



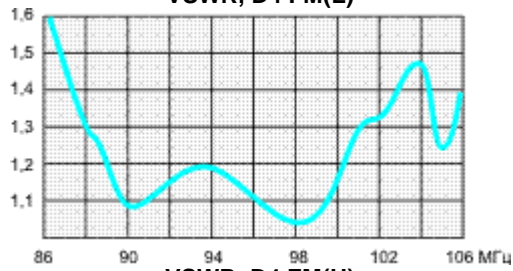
D4 FM H-plane pattern (1/4 λ)



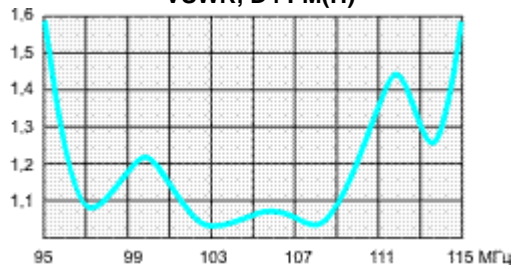
D4 FM E-plane pattern.



VSWR, D4 FM(L)



VSWR, D4 FM(H)





88-108 MHz Dipole antennas D6 FM(L)-2, D6 FM(H)-2

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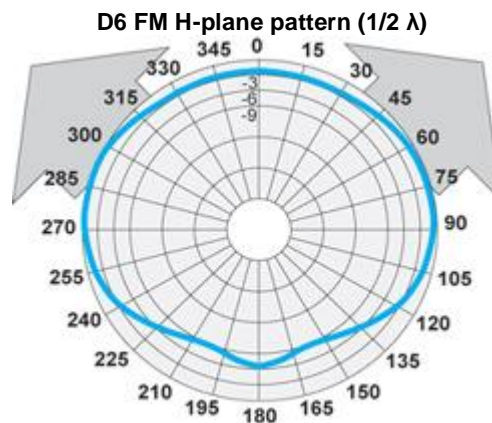


Electrical specifications

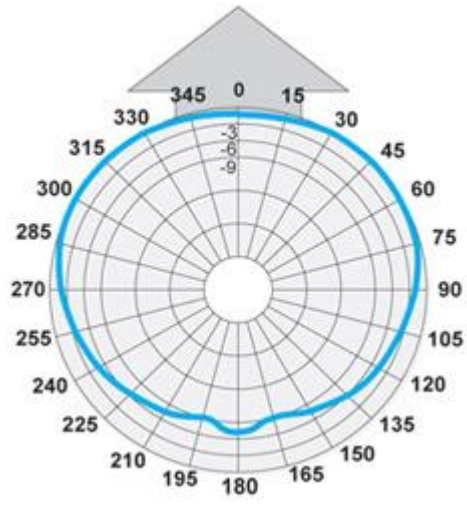
Model	D6 FM(L)-2	D6 FM(H)-2
Operating frequency band, MHz	88-100	100-108
VSWR, not more than	1.5	1.5
Gain OMNI, dBi	9.65	9.65
OFFSET, dBi	12.65	12.65
Sector in vertical plane, -3dB	14°	14°
Impedance, Ohm	50	50
Max. power input, W	2000	2000

Mechanical specifications

Model	D6 FM(L)-2	D6 FM(H)-2
Weight, kg	31	30
Height/Length, M	12.5	12.5
Construction material		Aluminium alloy
Mast diametr, mm		38-65
Rated wind velocity, m/s		45
Wind loading area, m ²	0.62	0,6
Load of side wind 45 m/s, H	675	675
Rated wind velocity with 0.5" icing, m/s		28
Temperature range, °C		from -50 to +50
Connector	7/16 DIN	7/16 DIN



D6 FM H-plane pattern (1/4 λ)



2009



88-108 MHz Sector antennas RAD-4FM, RAD-4FM-2

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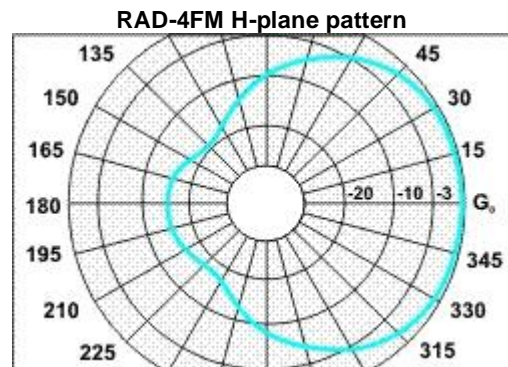
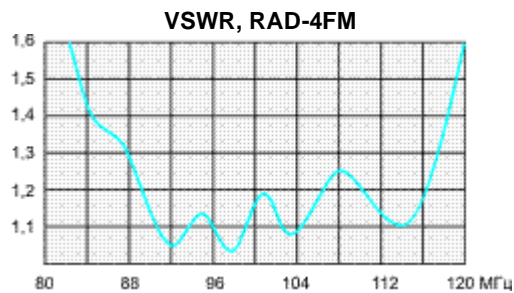


Electrical specifications

Model	RAD-4FM	RAD-4FM-2
Operating Frequency band, MHz	88-108	88-108
VSWR, not more than	1.5	1.5
Gain, dBi	12.95	12.95
Sector in H-plane, -3dB	120 ⁰	120 ⁰
Sector in E-plane, -3dB	18°	18°
Impedance, Ohm	50	50
Max. Power input, W	500	2000

Mechanical specifications

Model	RAD-4FM	RAD-4FM-2
Weight, kg	1,7	3,8
Height/Length, M	0,4	1
Construction material		Aluminium alloy
Mast diametr, mm		38-65
Rated wind velocity, m/s	45	45
Rated wind velocity with 0.5" icing, m/s	28	28
Temperature range, °C		from -50 to +50
Connector	N-female	7/16 DIN





90-110 MHz Dipole antennas DS8-FM(L), DS8-FM(H) DS8-FM(L)-2, DS8-FM(H)-2

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Electrical specifications

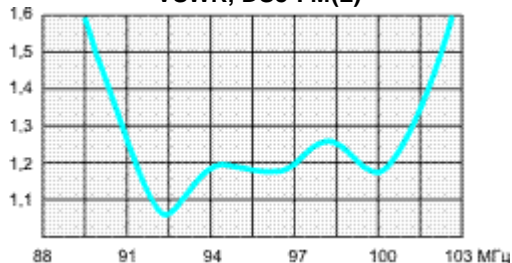
Model	DS8-FM(L)	DS8-FM(H)	DS8-FM(L)-2	DS8-FM(H)-2
Operating frequency band, MHz	90-101	100-110	90-101	100-110
VSWR, not more than	1.5	1.5	1.5	1,5
Gain, dBi	9.15	9.15	9.15	9.15
Sector in H-plane , -3dB	360°	360°	360°	360°
Sector in E-plane , -3dB	20°	20°	20°	20°
Impedance, Ohm	50	50	50	50
Max. power input, W	500	500	2000	2000

Mechanical specifications

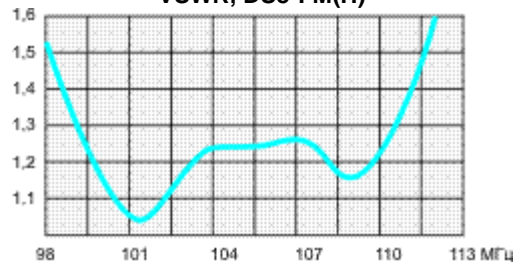
Model	DS8-FM(L)	DS8-FM(H)	DS8-FM(L)-2	DS8-FM(H)-2
Weight, kg	20	19.5	22.5	22
Height/Length, M	8.4	8.4	8.4	8.4
Construction material	Aluminium alloy			
Mast diametr, mm	50-60	50-60	50-60	50-60
Rated wind velocity, m/s	55	55	55	55
Wind loading area, m ²	0.3	0.3	0.3	0.3
Load of side wind 45 m/s, H	250	250	250	250
Rated wind velocity with 0.5" icing, m/s	28	28	28	28
Temperature range, °C	from -50 to +50			
Connector	N-female	N-female	7/16 DIN	7/16 DIN



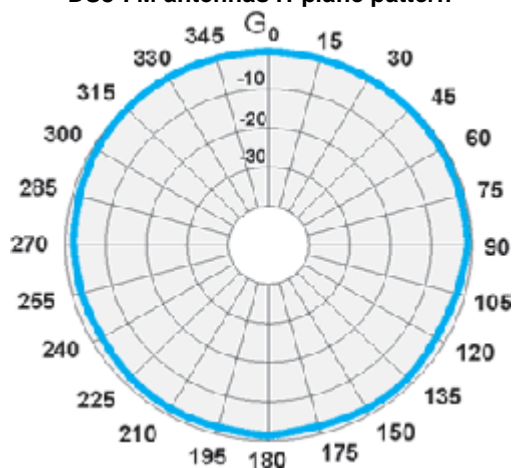
VSWR, DS8-FM(L)



VSWR, DS8-FM(H)



DS8-FM antennas H-plane pattern



DS8-FM antennas E-plane pattern

