

SF-M-8C-SP FM Antenna System

System Specifications

Proposal Number: 7386

Input Configuration: Center Fed

Frequencies/Channels: 91.1 MHz & 99.5 MHz

System Power Gain: 4.28 estimated

Tower Vertical Space Requirement: 82 ft

Bay to Bay Spacing: 123.40 inches

Antenna system Length: 75.91 ft

Input Power Rating: 30 kW Average Power

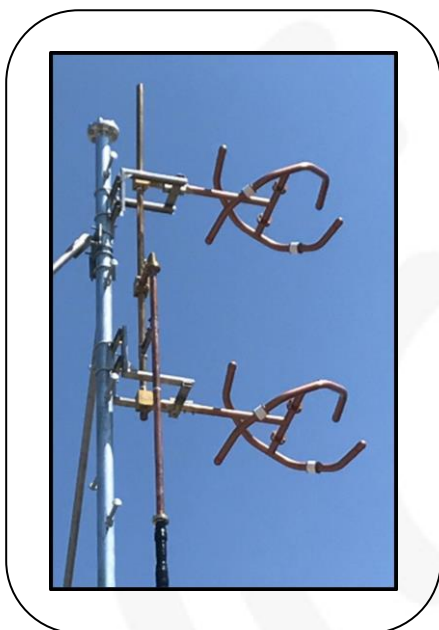
System CaAa: 68.082 ft² (TIA/EIA-222-F Standards)

System Weight: 1,680 lbs.

Input Connector Size: 3-1/8" EIA Female

Radomes: Yes

SF FM Antenna Systems



Features:

- Circular Polarization
- Multi-Channel Systems
- Directional Systems
- Low, Medium, and High Power Ratings
- Broadband Systems



Specifications:

Frequency	87 – 108 MHz
Input Power Rating	10 kW – 210 kW
Polarization	Circular
Azimuth	±2 dB free space
VSWR	1.5 : 1 or better
Connections Available:	EIA: 1-5/8", 3-1/8" EIA, 4-1/16", 6-1/8"

Standard Models:

Model	Power Rating	Power Gain		dB Gain	
		Full Wave	Half Wave	Full Wave	Half Wave
SF-CP-1	10-40 kW	0.46	NA	-3.37	NA
SF-CP-2	10-40 kW	0.95	0.73	-0.22	-1.36
SF-CP-3	10-40 kW	1.55	1.02	1.90	0.08
SF-CP-4	10-40 kW	2.13	1.35	3.28	1.30
SF-CP-5	40 kW	2.72	1.63	4.35	2.12
SF-CP-6	40 kW	3.25	1.89	5.12	2.76
SF-CP-7	40 kW	3.90	2.19	5.91	3.40
SF-CP-8	40 kW	4.28	2.61	6.31	4.17
SF-CP-9	40 kW	5.05	2.79	7.03	4.46
SF-CP-10	40 kW	5.54	3.14	7.44	4.97
SF-CP-11	40 kW	6.25	3.39	7.96	5.30

Notes:

- > 40 kW ratings available upon engineering review.
- Includes standard mounting brackets and attachment hardware.
- Antenna weight and wind load are approximate values for a typical structure. Final design loads may vary for the specific application.

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