



# SYSTEMS WITH RELIABILITY, LP.

## Broadcast Antennas & Transmission Systems

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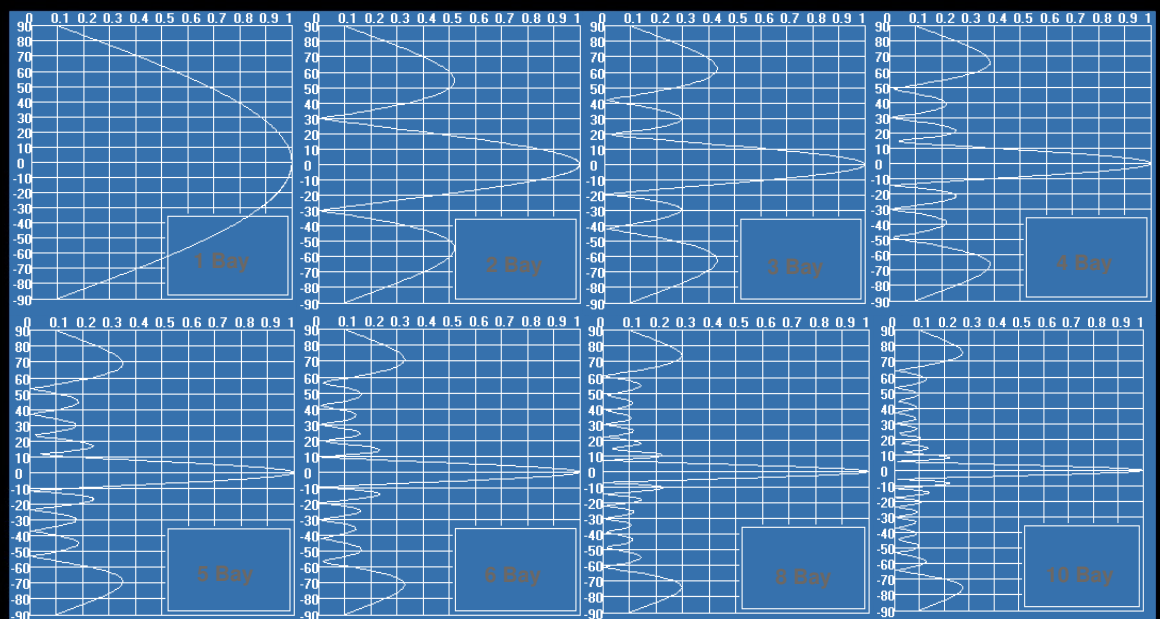
### FMEC DATA

#### FULL WAVE SPACED ELECTRICAL AND MECHANICAL SPECIFICATIONS

Bays	Power Rating (watts)	Power Gain	dB Gain	Net. Weight (lbs)	Windload (lbs)
1	500	0.441	-3.556	15	35
2	1000	0.959	-0.182	35	85
3	1500	1.495	1.746	50	120
4	2000	2.044	3.105	65	155
5	2000	2.590	4.133	80	190
6	2000	3.160	4.997	95	225
8	2000	4.311	6.346	110	260
10	2000	5.456	7.369	130	295

Electrical & Mechanical Specifications Based On Mid-Band Operation (98.1MHz)

#### FULL WAVE SPACED TYPICAL ELEVATION PATTERNS



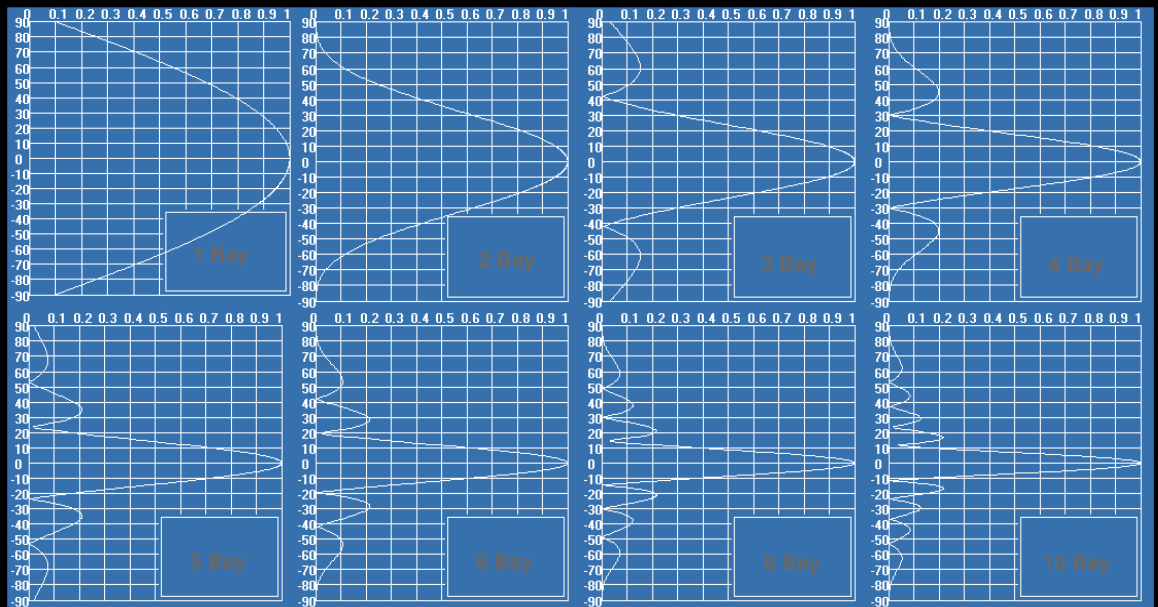
#### HALF-WAVE SPACED ELECTRICAL AND MECHANICAL SPECIFICATIONS

Bays	Power Rating (watts)	Power Gain	dB Gain	Net. Weight (lbs)	Windload (lbs)
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Bays	Power Rating (watts)	Power Gain	dB Gain	Net. Weight (lbs)	Windload (lbs)
1	500	0.441	-3.556	15	35
2	1000	0.695	-1.580	35	85
3	1500	1.012	0.052	50	120
4	2000	1.313	1.183	65	155
5	2000	1.623	2.103	80	190
6	2000	1.924	2.842	95	225
8	2000	2.528	4.028	110	260
10	2000	3.129	4.954	125	295

Electrical & Mechanical Specifications Based On Mid-Band Operation (98.1MHz)

#### HALF-WAVE SPACED TYPICAL ELEVATION PATTERNS

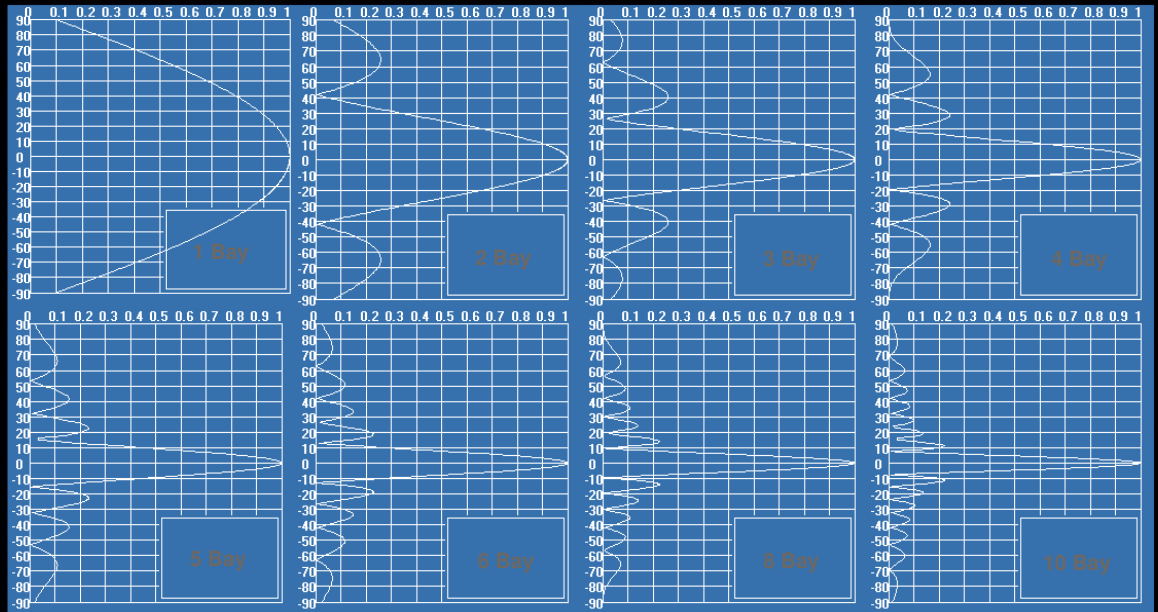


#### 3/4 WAVE SPACED ELECTRICAL AND MECHANICAL SPECIFICATIONS

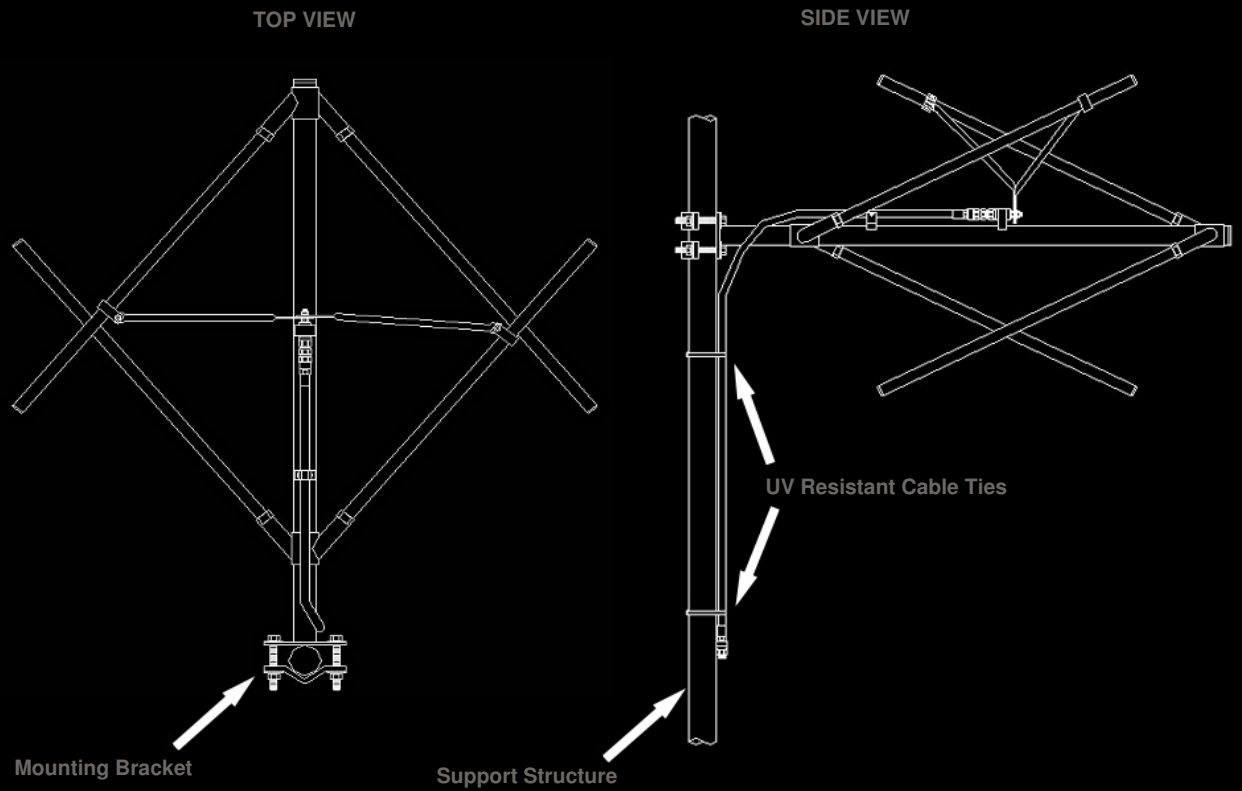
Bays	Power Rating (watts)	Power Gain	dB Gain	Net. Weight (lbs)	Windload (lbs)
1	500	0.441	-3.556	15	35
2	1000	.935	-0.292	35	85
3	1500	1.396	1.449	50	120
4	2000	1.845	2.660	65	155
5	2000	2.301	3.619	80	190
6	2000	2.756	4.403	95	225
8	2000	3.664	5.640	110	260
10	2000	4.590	6.618	125	295

Electrical & Mechanical Specifications Based On Mid-Band Operation (98.1MHz)

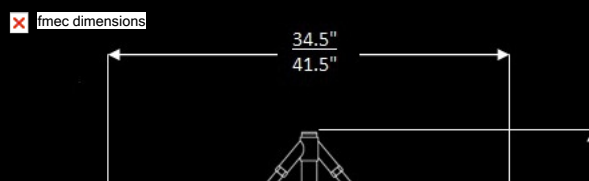
### 3/4 WAVE SPACED TYPICAL ELEVATION PATTERNS



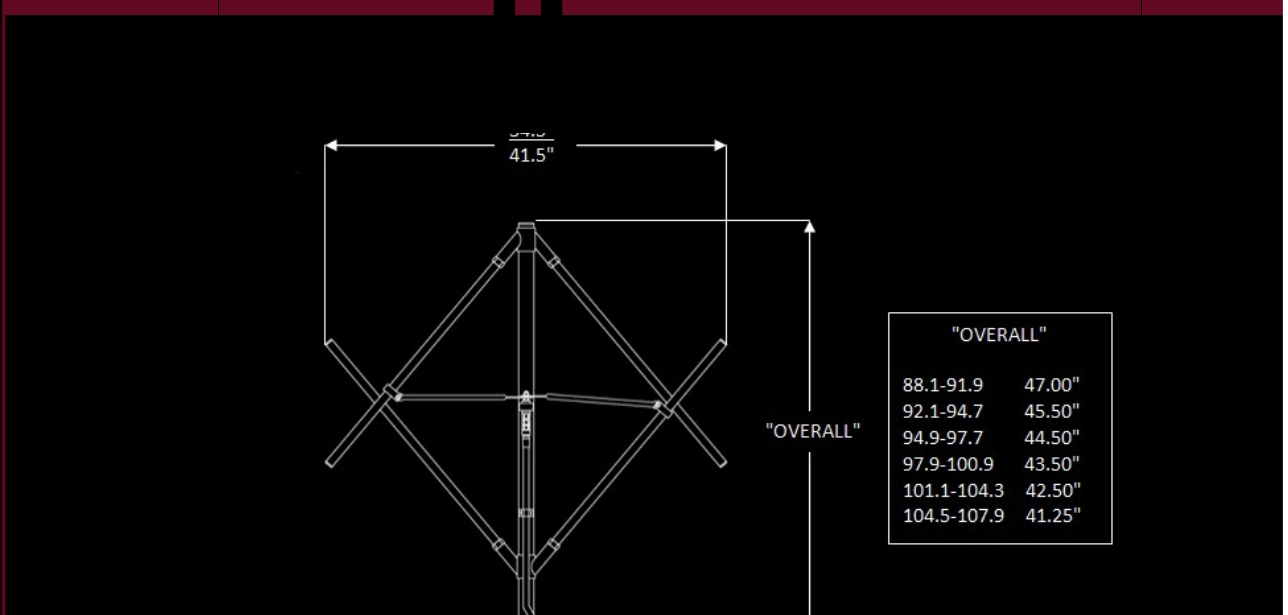
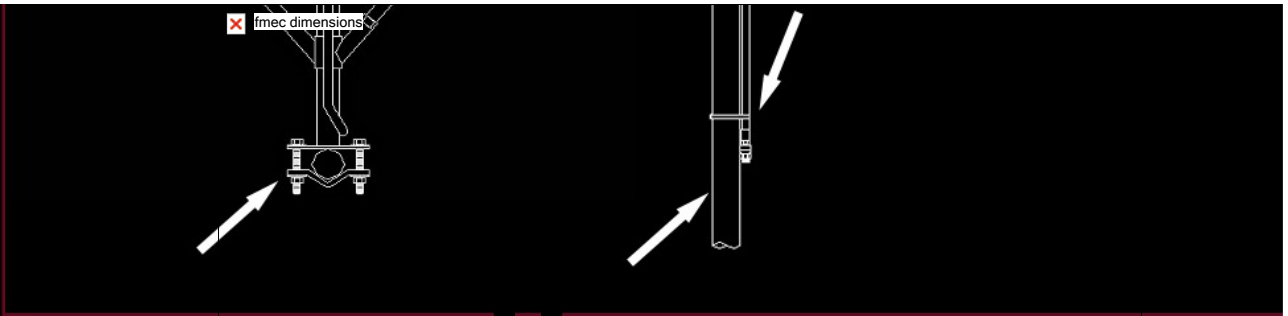
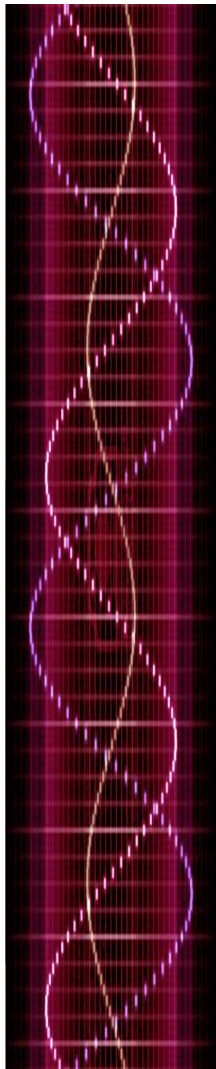
### MOUNTING DETAIL



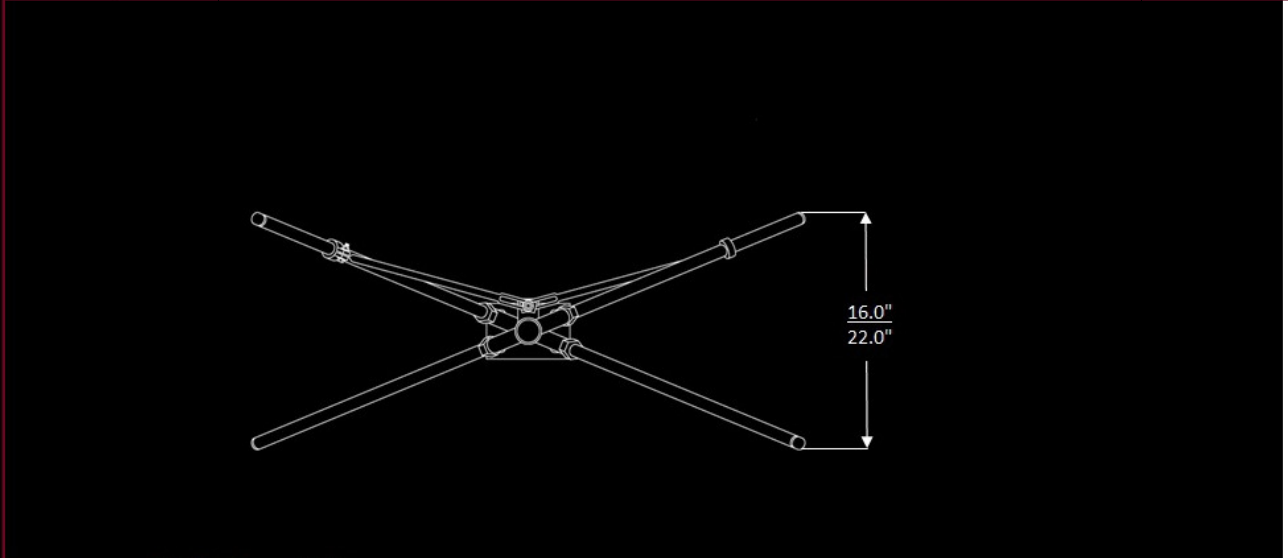
### DIMENSIONS







FM Antennas ← FME Series ← FMEC ← FMEC Data



FM Antennas ← FME Series ← FMEC ←