

DATASHEET

DEVA Mobile Antenna

Mobile Antenna with Mount Base

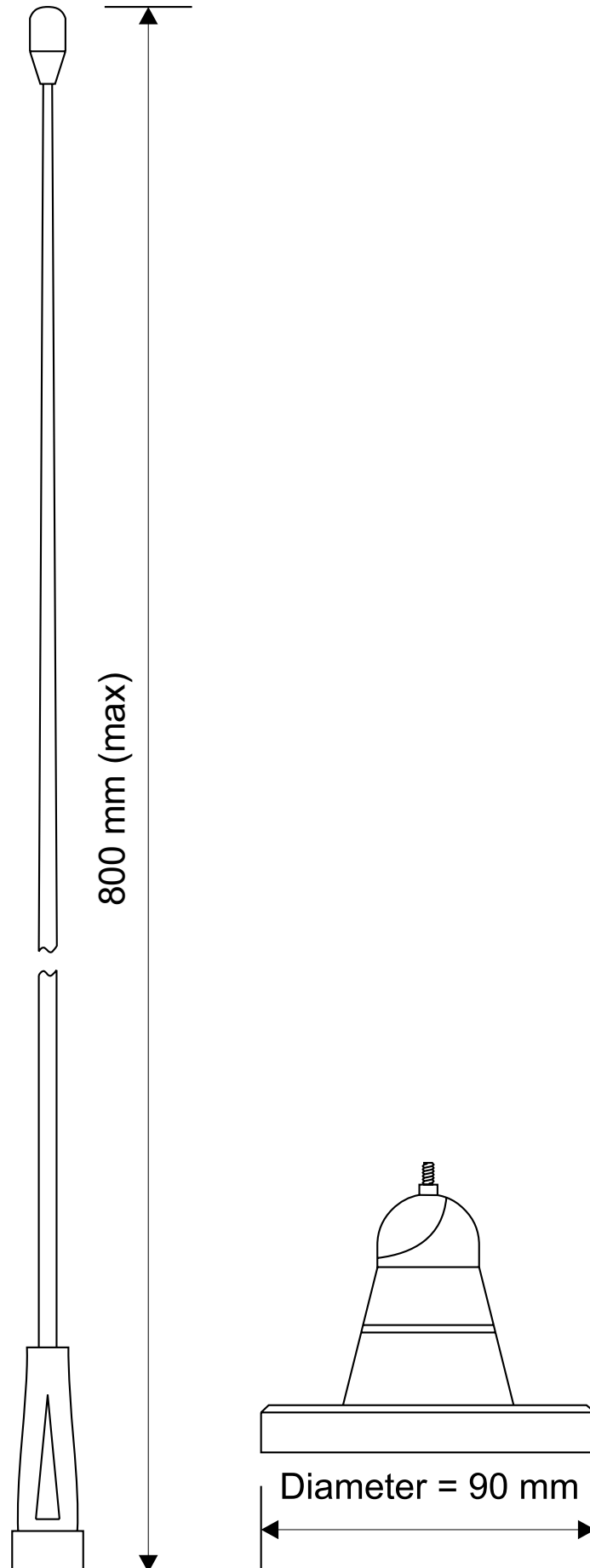


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VIEW



SPECIFICATIONS

ANTENNA ELECTRICAL	
Frequency Range	87-108 MHz
SWR	< 1:5
Gain	1.2 dBd (3.28 dBi)
Impedance	50 Ω
Max Power	100 W
Polarization	vetical
ANTENNA MECHANICAL	
Connector	BNC
Cable type	4.5 m, RG 58/U
Length	800 mm (max)
Weight	320 g
Mounting	Magnetic/Roof mount
Material	Radiator: stainless steel
MOUNTING BASE	
Application	Mobile magnetic mount for VHF antennas
Diameter	90 mm
Weight	500 g

CHARACTERISTICS

Return Loss vs Frequency

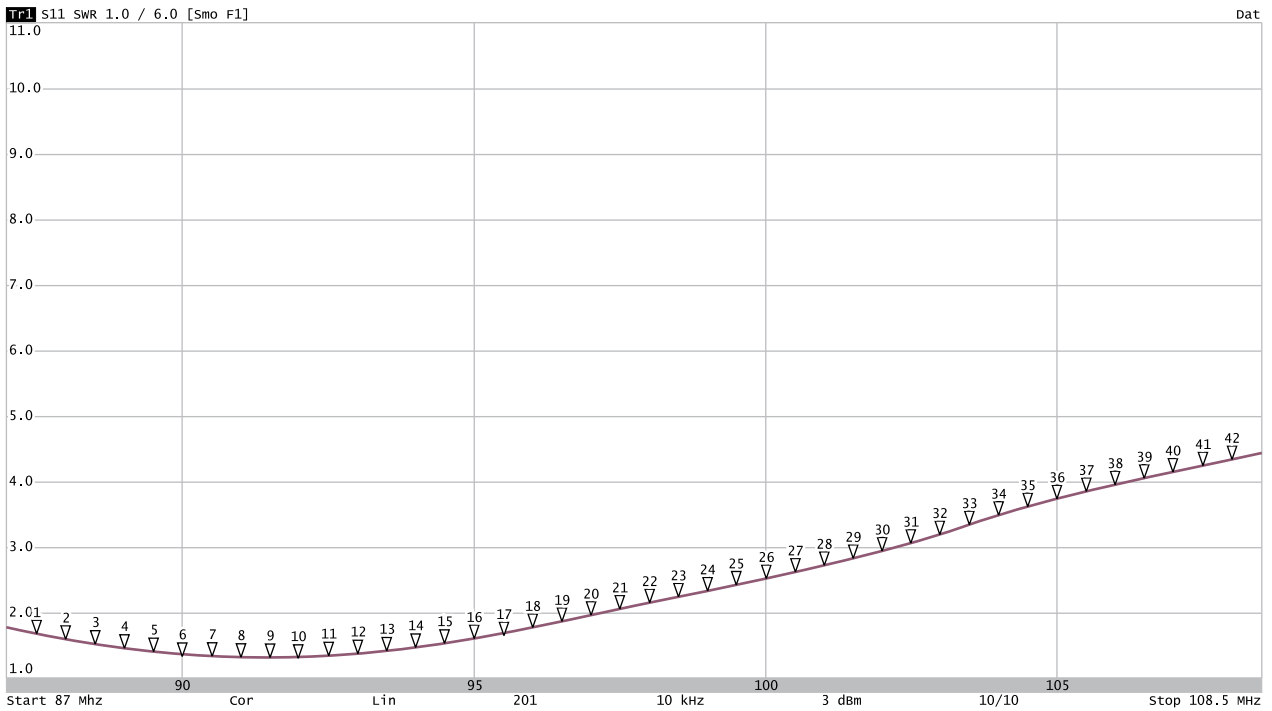


No	Frequency [MHz]	Return Loss [dB]
1	87.50	-12.010
2	88.00	-12.850
3	88.50	-13.770
4	89.00	-14.730
5	89.50	-15.750
6	90.00	-16.760
7	90.50	-17.480
8	91.00	-17.870
9	91.50	-17.970
10	92.00	-17.640
11	92.50	-17.030
12	93.00	-16.270
13	93.50	-15.410
14	94.00	-14.510

No	Frequency [MHz]	Return Loss [dB]
15	94.50	-13.630
16	95.00	-12.760
17	95.50	-11.960
18	96.00	-11.190
19	96.50	-10.460
20	97.00	-9.843
21	97.50	-9.324
22	98.00	-8.864
23	98.50	-8.451
24	99.00	-8.060
25	99.50	-7.695
26	100.00	-7.345
27	100.50	-7.025
28	101.00	-6.732

No	Frequency [MHz]	Return Loss [dB]
29	101.50	-6.453
30	102.00	-6.181
31	102.50	-5.894
32	103.00	-5.626
33	103.50	-5.370
34	104.00	-5.137
35	104.50	-4.947
36	105.00	-4.775
37	105.50	-4.620
38	106.00	-4.492
39	106.50	-4.383
40	107.00	-4.287
41	107.50	-4.189
42	108.00	-4.081

SWR vs Frequency

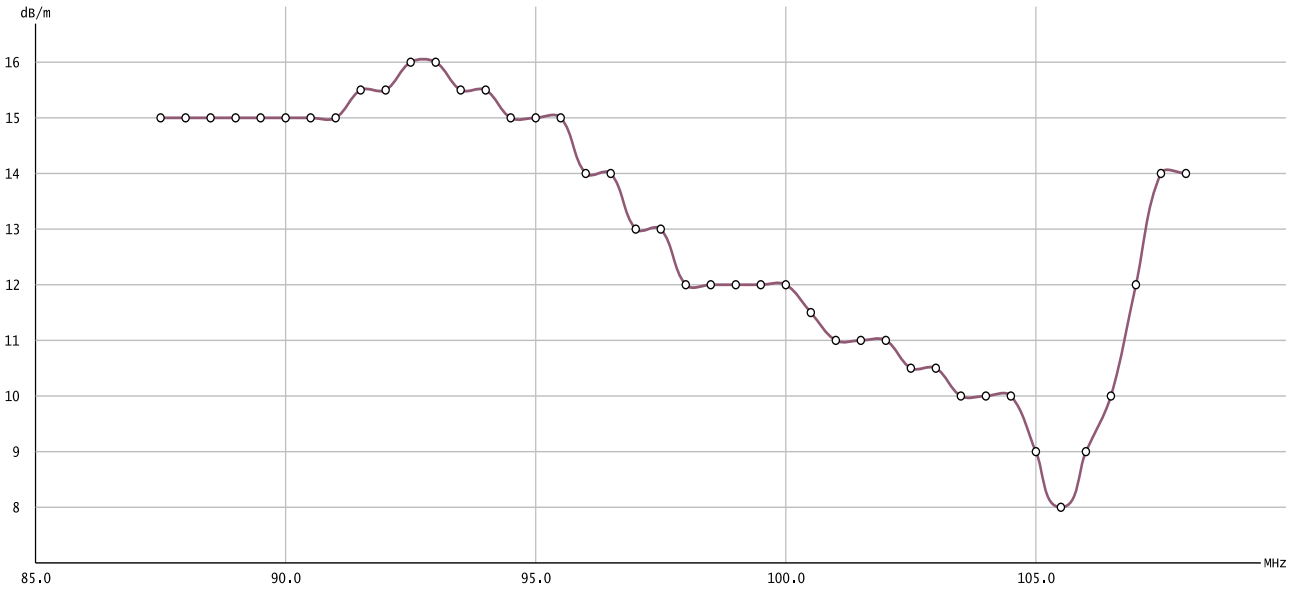


No	Frequency [MHz]	SWR
1	87.50	1.666
2	88.00	1.585
3	88.50	1.510
4	89.00	1.444
5	89.50	1.384
6	90.00	1.335
7	90.50	1.303
8	91.00	1.287
9	91.50	1.283
10	92.00	1.297
11	92.50	1.324
12	93.00	1.360
13	93.50	1.406
14	94.00	1.463

No	Frequency [MHz]	SWR
15	94.50	1.527
16	95.00	1.596
17	95.50	1.674
18	96.00	1.761
19	96.50	1.856
20	97.00	1.950
21	97.50	2.040
22	98.00	2.128
23	98.50	2.216
24	99.00	2.308
25	99.50	2.403
26	100.00	2.504
27	100.50	2.608
28	101.00	2.711

No	Frequency [MHz]	SWR
29	101.50	2.819
30	102.00	2.935
31	102.50	3.131
32	103.00	3.282
33	103.50	3.442
34	104.00	3.596
35	104.50	3.772
36	105.00	3.873
37	105.50	4.004
38	106.00	4.121
39	106.50	4.223
40	107.00	4.317
41	107.50	4.413
42	108.00	4.517

Factor vs Frequency



Frequency [MHz]	Factor [dB/m]
87.50	15.0
88.00	15.0
88.50	15.0
89.00	15.0
89.50	15.0
90.00	15.0
90.50	15.0
91.00	15.0
91.50	15.5
92.00	15.5
92.50	16.0
93.00	16.0
93.50	15.5
94.00	15.5

Frequency [MHz]	Factor [dB/m]
94.50	15.0
95.00	15.0
95.50	15.0
96.00	14.0
96.50	14.0
97.00	13.0
97.50	13.0
98.00	12.0
98.50	12.0
99.00	12.0
99.50	12.0
100.00	12.0
100.50	11.5
101.00	11.0

Frequency [MHz]	Factor [dB/m]
101.50	11.0
102.00	11.0
102.50	10.5
103.00	10.5
103.50	10.0
104.00	10.0
104.50	10.0
105.00	9.0
105.50	8.0
106.00	9.0
106.50	10.0
107.00	12.0
107.50	14.0
108.00	14.0