

DATASHEET

DEVA DAB Mobile Antenna

DAB Mobile Antenna with Magnet Mount Base

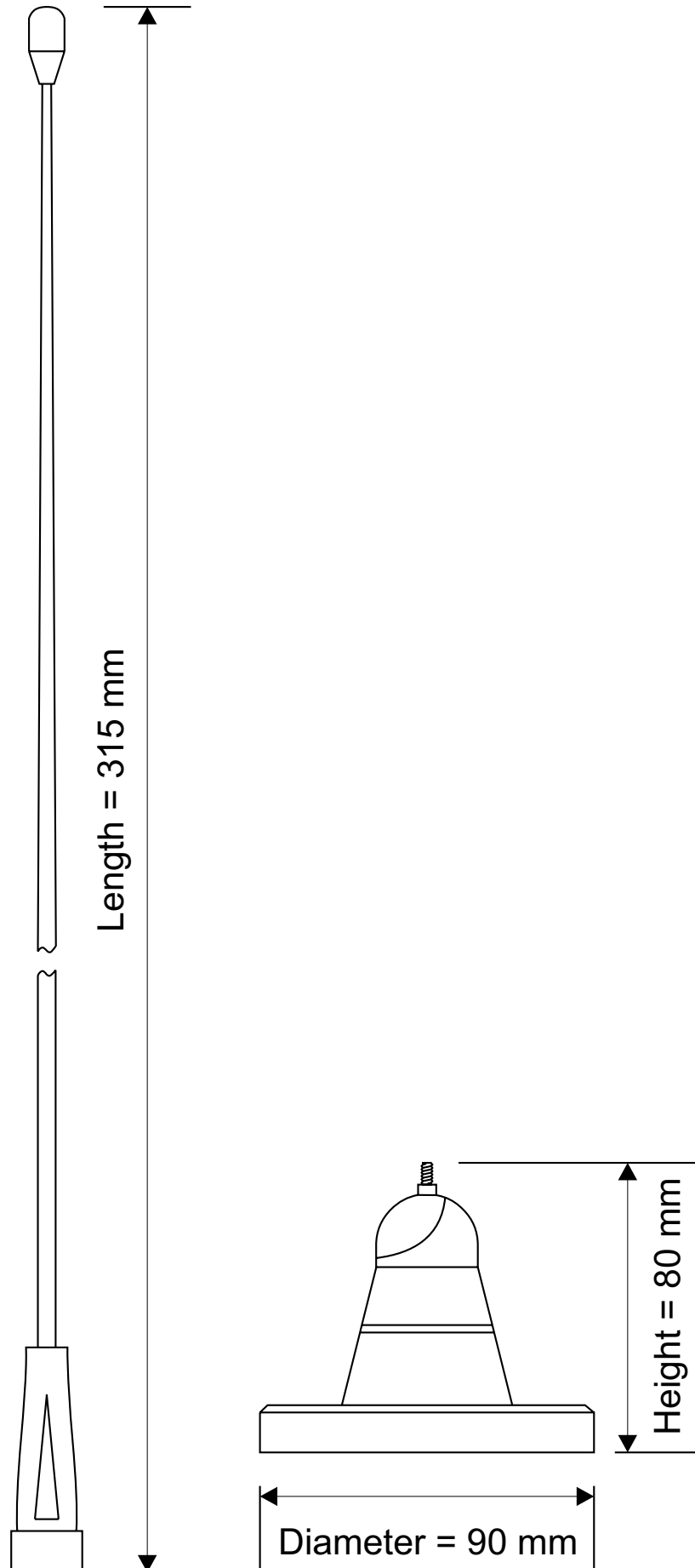


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Contents

<i>View</i>	3
<i>Specifications</i>	4
<i>Characteristics</i>	5
<i>Return Loss vs Frequency</i>	5
<i>SWR vs Frequency</i>	6
<i>Factor vs Frequency</i>	7

VIEW

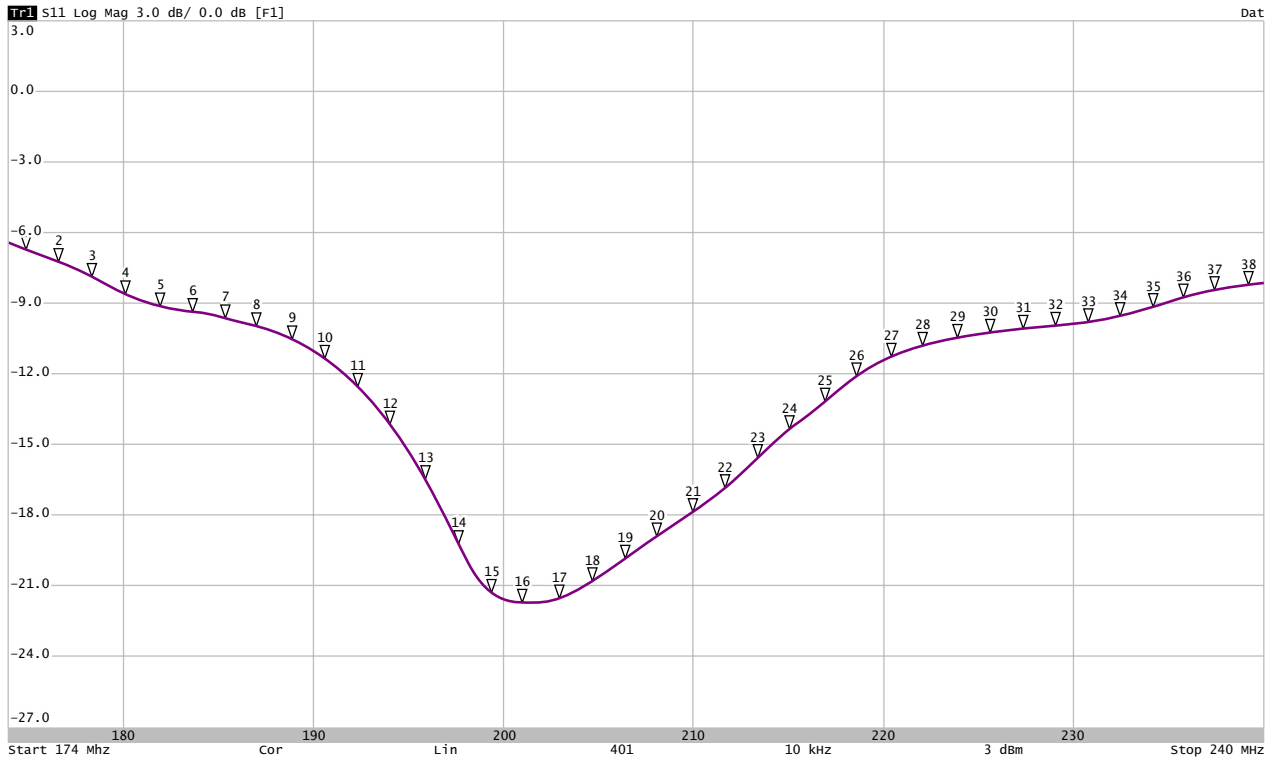


SPECIFICATIONS

ANTENNA ELECTRICAL	
Frequency Range	168-240 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	315 mm
Weight	20 g
Mounting	Magnetic/Roof mount
Material	Radiator: stainless steel
MOUNTING BASE	
Application	Mobile magnetic mount for VHF antennas
Diameter	90 mm
Height	80 mm
Weight	610 g

CHARACTERISTICS

Return Loss vs Frequency

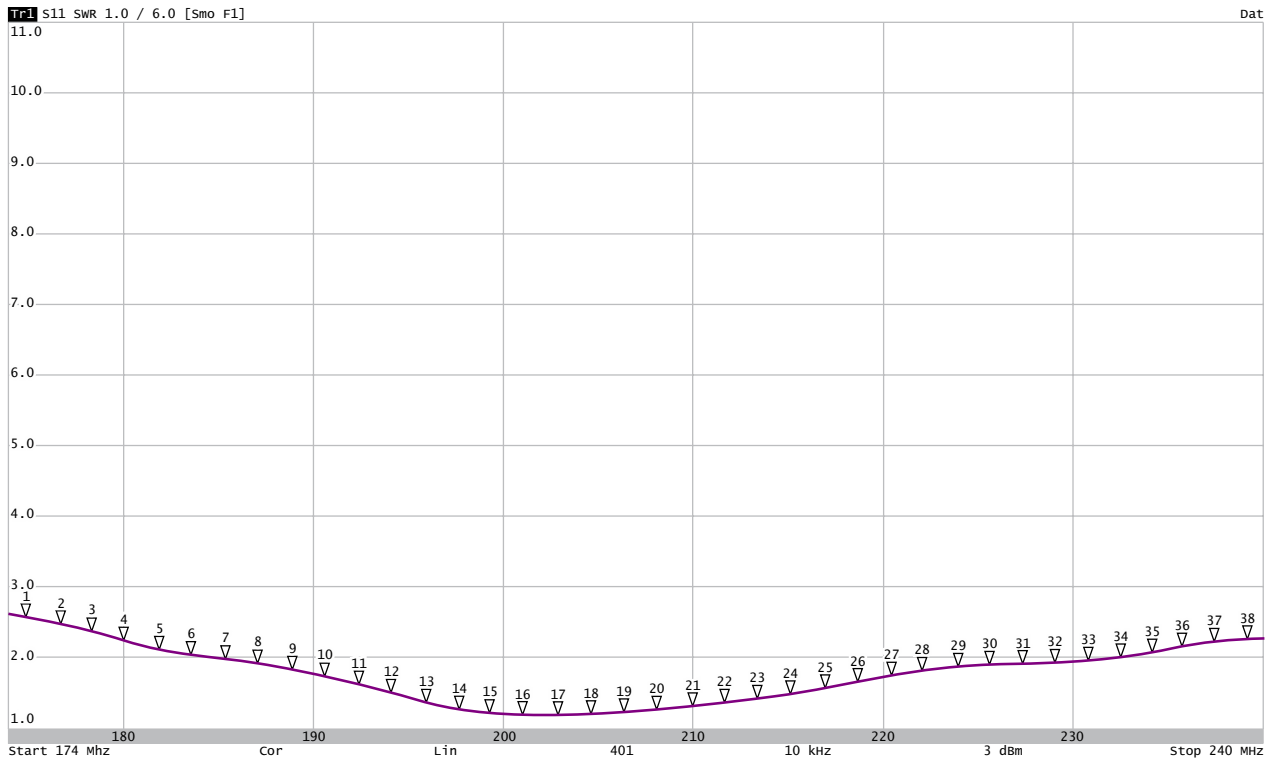


№	Frequency [MHz]	Return Loss [dB]
1	174.928	-6.676
2	176.640	-7.238
3	178.352	-7.798
4	180.064	-8.553
5	181.936	-9.072
6	183.648	-9.312
7	185.360	-9.644
8	187.072	-9.941
9	188.928	-10.397
10	190.640	-11.231
11	192.352	-12.400
12	194.064	-13.967
13	195.936	-16.417

№	Frequency [MHz]	Return Loss [dB]
14	197.648	-19.288
15	199.360	-22.398
16	201.072	-21.683
17	202.928	-21.529
18	204.640	-20.751
19	206.352	-19.804
20	208.064	-18.904
21	209.936	-17.887
22	211.648	-16.804
23	213.360	-15.586
24	215.072	-14.330
25	216.928	-13.067
26	218.640	-12.088

№	Frequency [MHz]	Return Loss [dB]
27	220.352	-11.325
28	222.064	-10.772
29	223.936	-10.386
30	225.648	-10.181
31	227.360	-10.050
32	229.072	-9.923
33	230.784	-9.739
34	232.496	-9.463
35	234.208	-9.106
36	235.776	-8.777
37	237.488	-8.480
38	239.200	-8.258

SWR vs Frequency

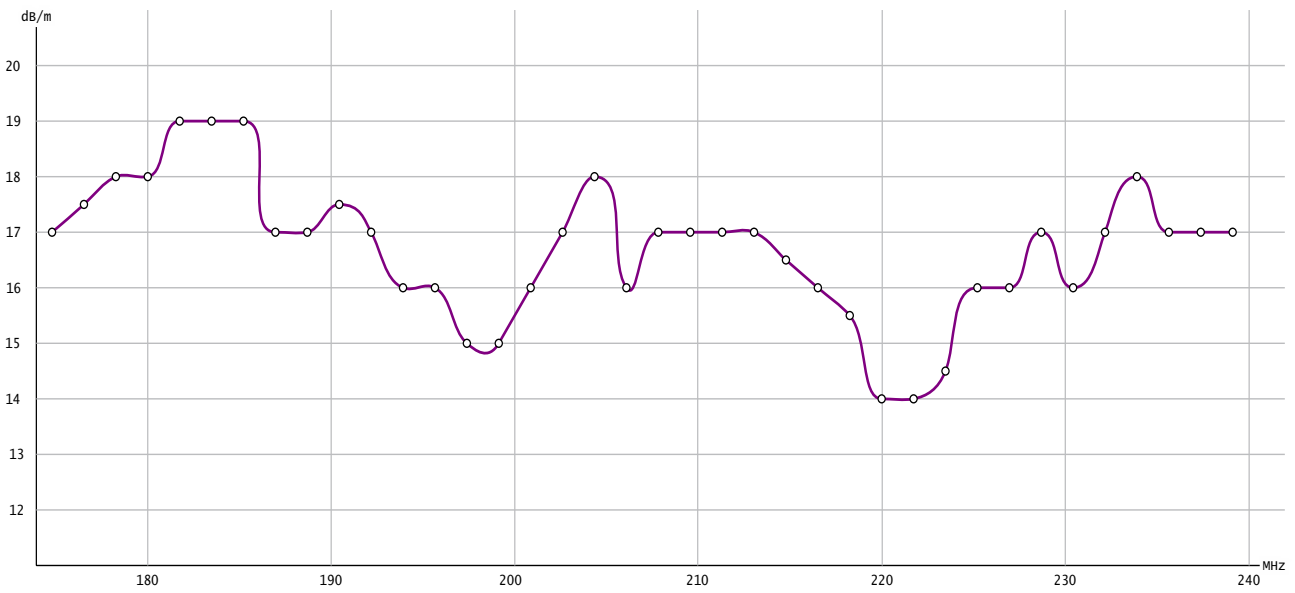


Nº	Frequency [MHz]	SWR
1	174.928	2.575
2	176.640	2.482
3	178.352	2.370
4	180.064	2.246
5	181.936	2.127
6	183.648	2.047
7	185.360	1.983
8	187.072	1.919
9	188.928	1.835
10	190.640	1.737
11	192.352	1.624
12	194.064	1.503
13	195.936	1.375

Nº	Frequency [MHz]	SWR
14	197.648	1.279
15	199.360	1.214
16	201.072	1.185
17	202.928	1.186
18	204.640	1.206
19	206.352	1.231
20	208.064	1.260
21	209.936	1.299
22	211.648	1.349
23	213.360	1.415
24	215.072	1.494
25	216.928	1.590
26	218.640	1.677

Nº	Frequency [MHz]	SWR
27	220.352	1.756
28	222.064	1.820
29	223.936	1.870
30	225.648	1.898
31	227.360	1.918
32	229.072	1.938
33	230.784	1.969
34	232.496	2.019
35	234.208	2.087
36	235.776	2.153
37	237.488	2.215
38	239.200	2.264

Factor vs Frequency



Frequency [MHz]	Factor [dB/m]
174.928	17.0
176.640	17.5
178.352	18.0
180.064	18.0
181.936	19.0
183.648	19.0
185.360	19.0
187.072	17.0
188.928	17.0
190.640	17.5
192.352	17.0
194.064	16.0
195.936	16.0

Frequency [MHz]	Factor [dB/m]
197.648	15.0
199.360	15.0
201.072	16.0
202.928	17.0
204.640	18.0
206.352	16.0
208.064	17.0
209.936	17.0
211.648	17.0
213.360	17.0
215.072	16.5
216.928	16.0
218.640	15.5

Frequency [MHz]	Factor [dB/m]
220.352	14.0
222.064	14.0
223.936	14.5
225.648	16.0
227.360	16.0
229.072	17.0
230.784	16.0
232.496	17.0
234.208	18.0
235.776	17.0
237.488	17.0
239.200	17.0