

WA5VJB

1.5-15 GHz Vivaldi

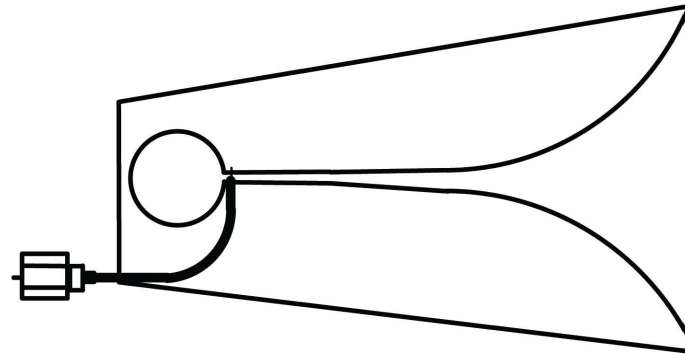
Usable .5-20 GHz

Uses:

Dish Feed

UWB

Bench Work



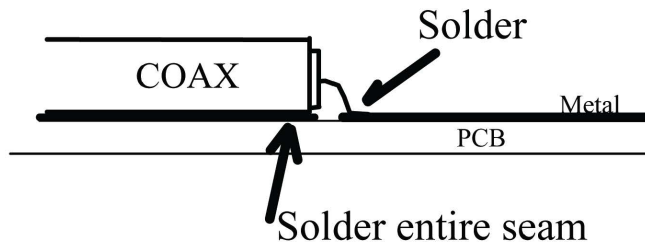
Vert Polarization As Shown

Max Signal



Typical Gain

8-10 dBi



While Return Loss is Poor

The antenna has forward gain

Between .5 and 1 GHz

Notes: Place Coax shield and Center Conductor
Across the Gap, but as close together as practical

Place coax as close to the circle as practical
Coax may come out the back or the side.

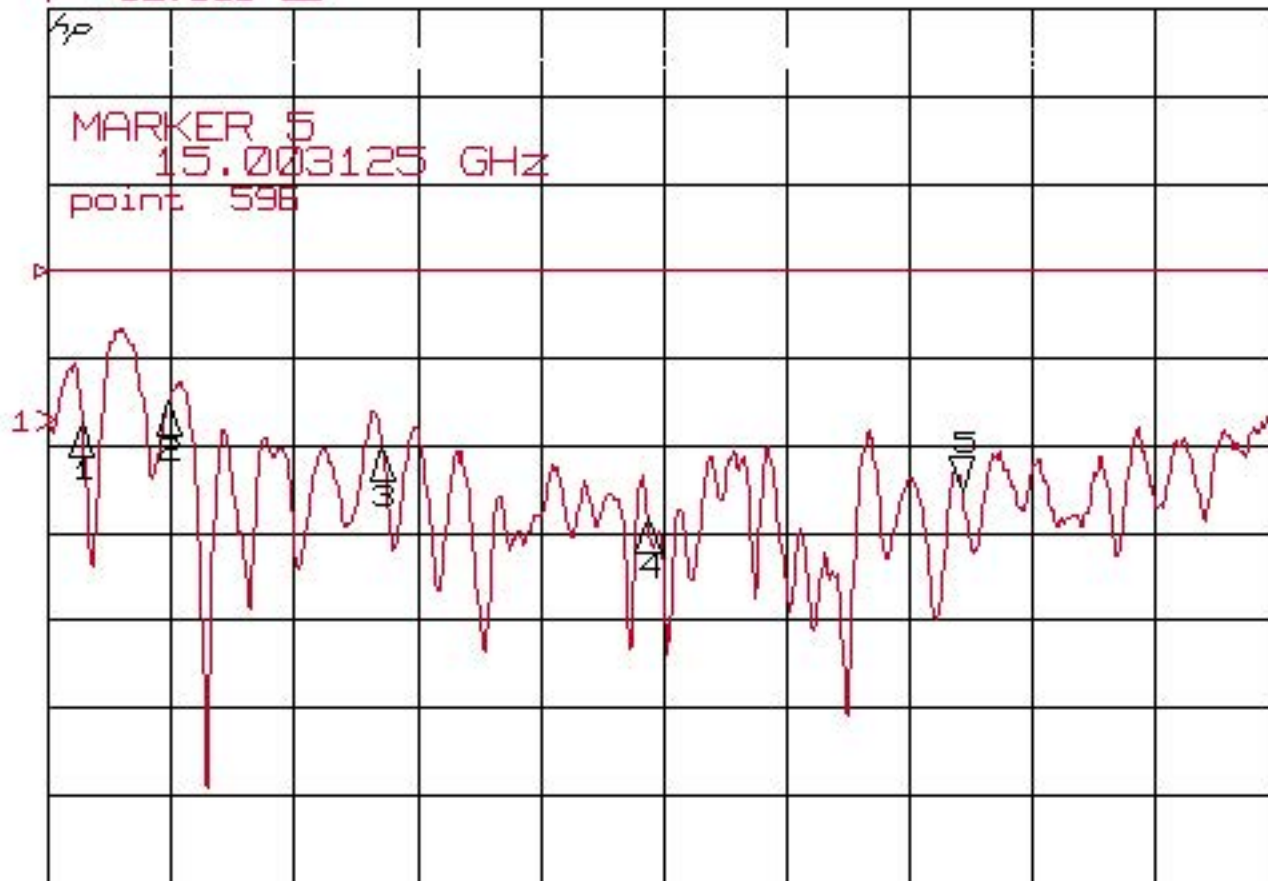
.141" Coax can be used to 15 GHz

.085" Coax recommended for >15 GHz

Title 1.5-15 GHz Vivaldi		
Size C	Number NTMS	Rev B
Date: 3-20-18		Drawn by: KEB
File Name: V1to15.pcb		Sheet 1 of 1

▶ S₂₂
REF 0.0 dB
5 5.0 dB/
▽ -12.601 dB

log MAG



MARKER 1
1.0118 GHz
-8.5742 dB

MARKER 2
2.4012 GHz
-7.3965 dB

MARKER 3
5.7893 GHz
-10.035 dB

MARKER 4
10.006 GHz
-14.111 dB

▶ MARKER 5
15.003 GHz
-12.601 dB

START
0.50000000 GHz

STOP
20.00000000 GHz

14 MAR 18
11:30:43