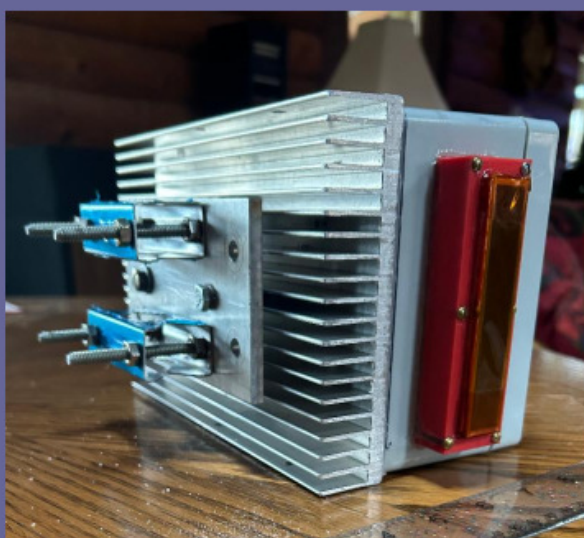
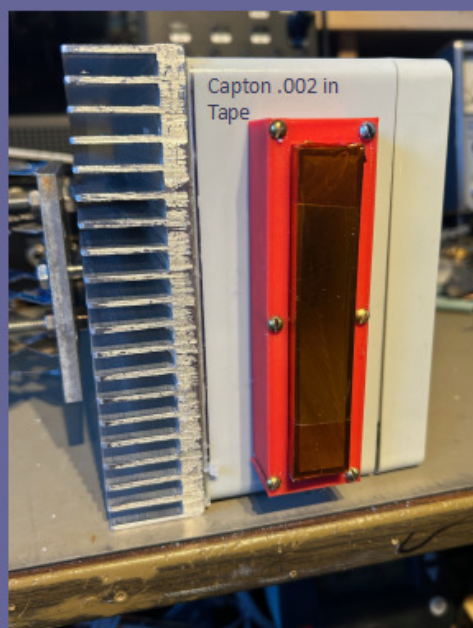


***Beacon Synthesizer is a VHF Design  
12 GHz LO PLL USB MAX2871 XX100***

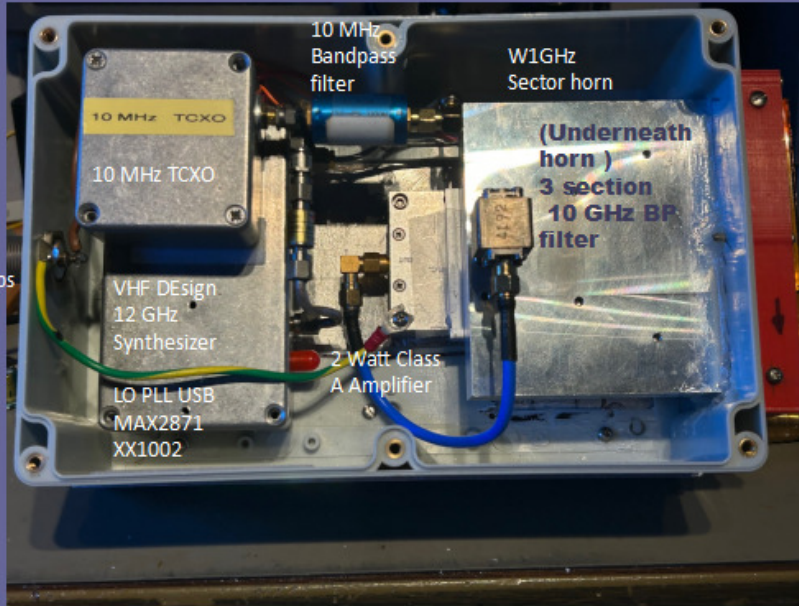
***Due to phase noise and key clicks I would recommend  
selecting a frequency greater than 350 kc away from  
calling frequency***

Don W1FKF  
[donw1fkf@news.com](mailto:donw1fkf@news.com)

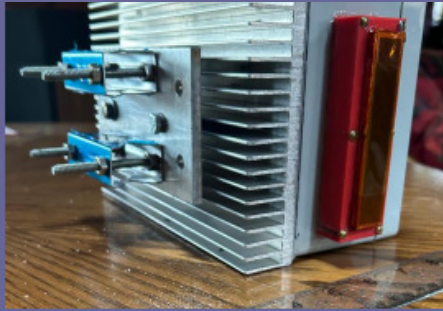


Heatsink from HEATSINKUSA  
Mounting Bracket upto 1.5 inch dia

DC  
12-14 volts  
2.5-3.0 Amps  
Feed thru  
PL259



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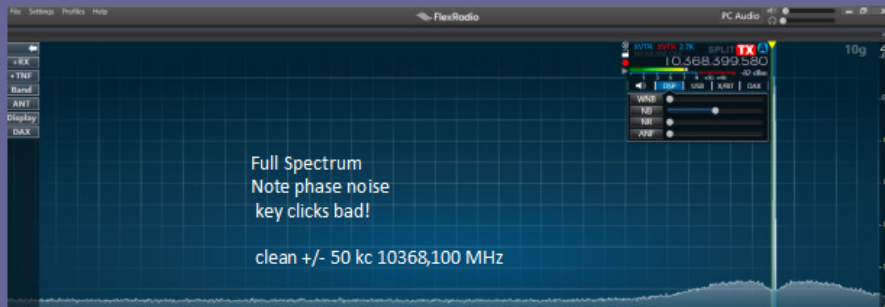


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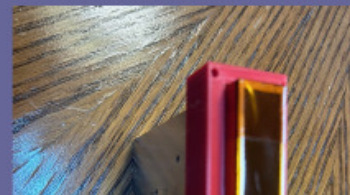


Phase Noise  
 Not the greatest!  
 when key up signal  
 down -70 dB

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More info  
[http://www.w1ghz.org/new/Sectoral\\_Horn\\_Antennas\\_for\\_Microwave\\_Beacons.pdf](http://www.w1ghz.org/new/Sectoral_Horn_Antennas_for_Microwave_Beacons.pdf)



KV1J Otisfield Maine  
 Grid FN44RC05gn  
 Ground elevation 838 ft  
 antenna 50 ft above ground



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