

Hello Dear Ham radio EME Friend,

Thanks very much for interest and using of septum feed for ham radio circular polarization traffic.

The feed is pre tuned. See in diagram. Pre-tuning was done in free space and after installation feed inside dish must be tuned again minimum SWR depend your dish.

For tuning you will use screws on opposite side feed. Where is TX and RX please see below.

If you have any further question send me please your e-mail.

I wish all the best and many nice QSOs with the feed.

Best regards Zdenek OK1DFC

## **Instruction manual** **Septum feed** **1296 MHz**

No commercial product!  
HAM RADIO ONLY!

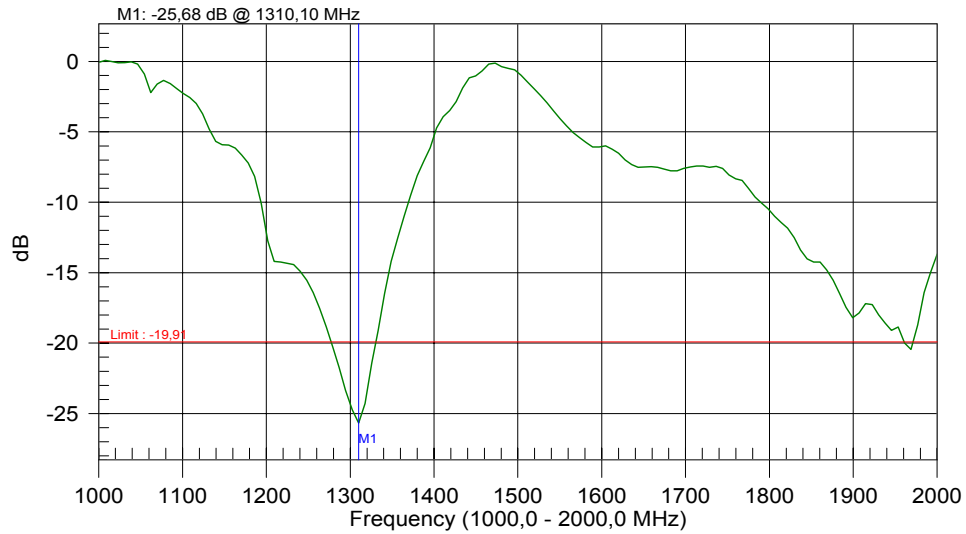
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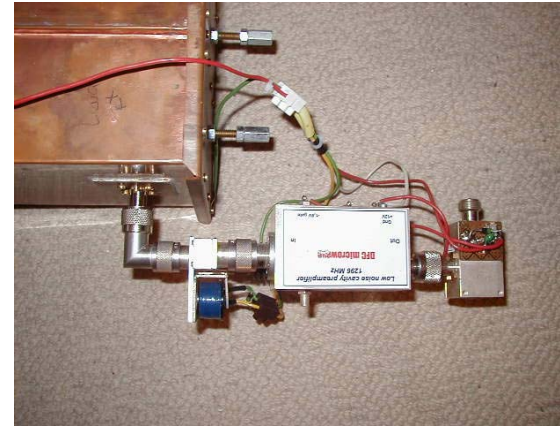
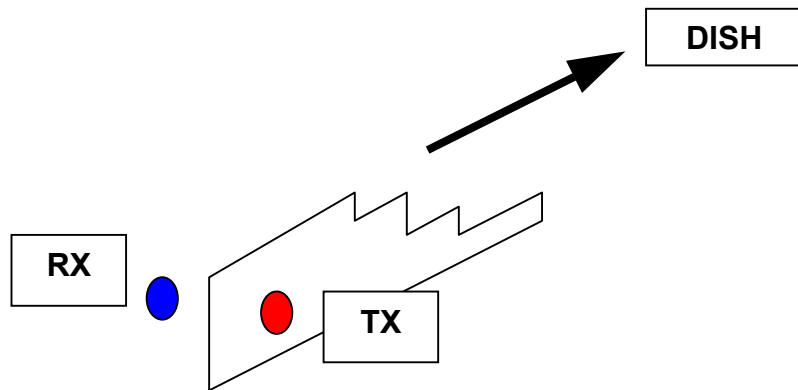
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# Return Loss - septum feed 23cm TX

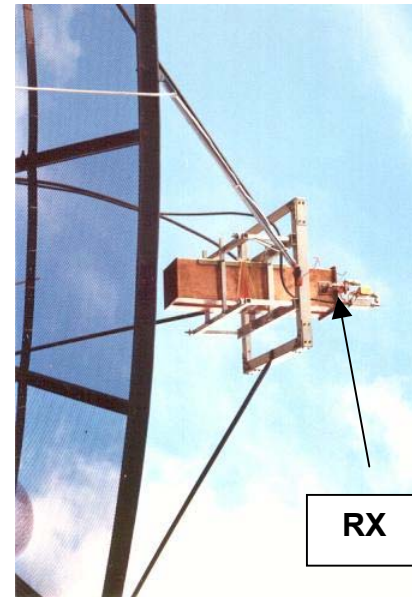
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Minimum SWR in free space is -26 dB. In the dish is possible setup -36 - -40 dB without problem. You can see the diagram how is looking feed inside dish on my web.



Picture how is looking assembling with isolation relay and preamplifier. This preamplifier is DFC microwave cavity system with 0,4dB N/F. 3.th place in preamplifiers contest trough EME 2002 conference Praha



This picture show, how is possible install feed in the dish