

Here is mod info for the FT-1000MP from Joe, K1WPO. His radio has an INRAD roofing filter, so the width is less than a stock MP, which would be about 15kHz. His correspondence is quoted below, followed by pictures he sent. Thanks, Joe, for sharing this with the LP-PAN community.

73,
Larry N8LP

My connection to the MP is easy enough to do but it is not for the inexperienced operator.

My connection point is at the junction of gate #1 of Q2009 and C2043. I use a 1000 pf cap in series with a 10k resistor in side a small piece of shrink tubing which connects to a piece of shielded coax. No connection is made to the braid at this end. The miniature coax is threaded to the back panel where I drilled the rear panel to install a RCA type connector. The drilling has to be done with extreme caution as there isn't much clearance there. Also the soldering has to be done on the underside of the IF board which requires that you remove the IF board. One has to be comfortable soldering on SMT. My tap point does load the IF stage slightly and may not be the optimum connection point but it is done without any buffer amps or such stuff.

I have a photo of my connection point on the IF board that I will send to you as soon as I find it in the archives.

I could not find the file for the picture but I did find a paper copy in my manual. I scanned it and attached it here. You can see the connection point and there is enough detail for some one to copy it. The other coax is for my 455 if connection which connects to a SoftRock. I use that port just for experimenting.

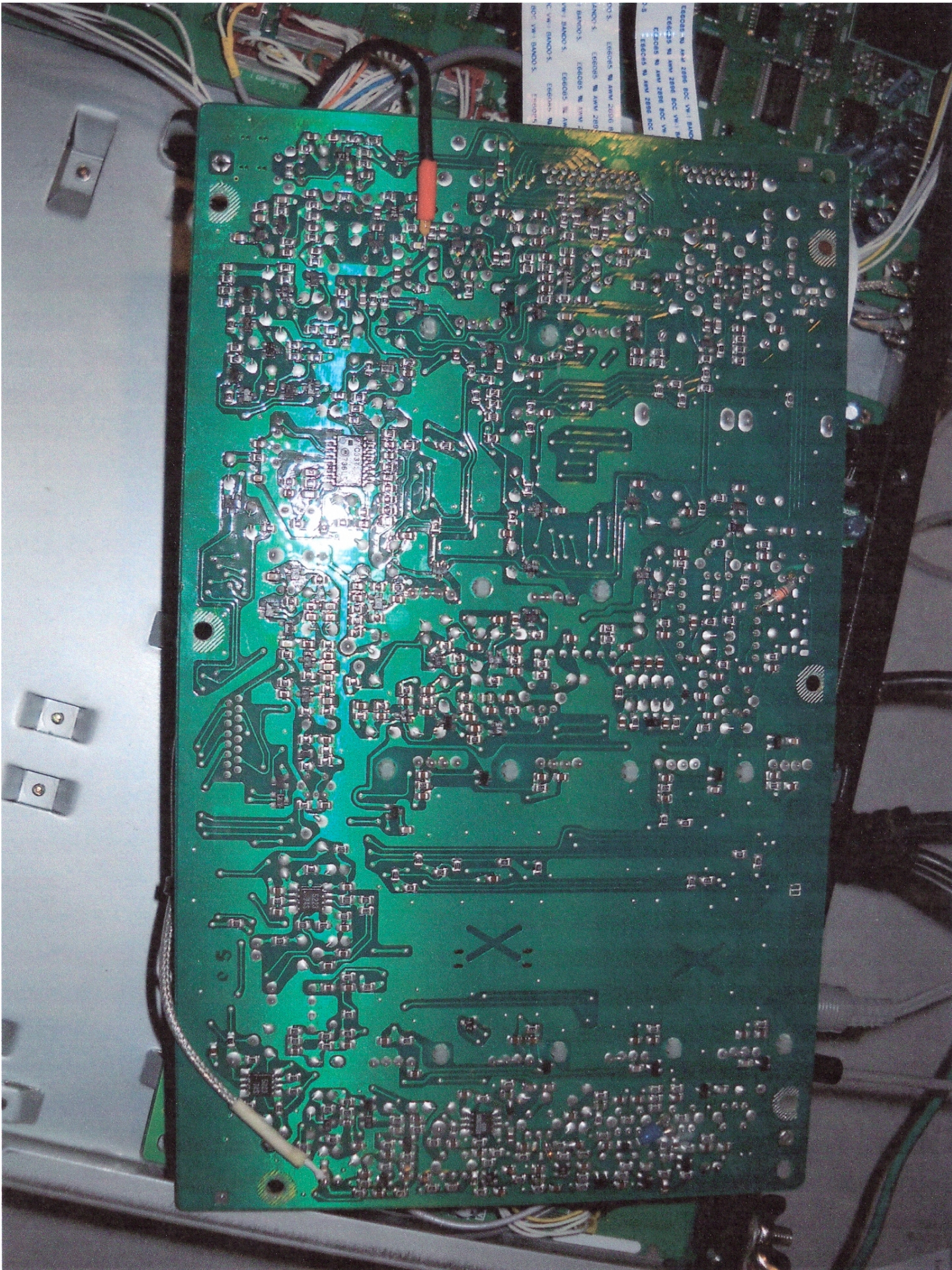
Here are two screen shots that I see on my operating position. I have an old 2 Ghz Pentium with 1 GHZ of ram using a Staples \$49 Audigy sound card. It has dual monitors which are side by side. My sample rate on the sound card is 48 khz which is way fast enough for my application.

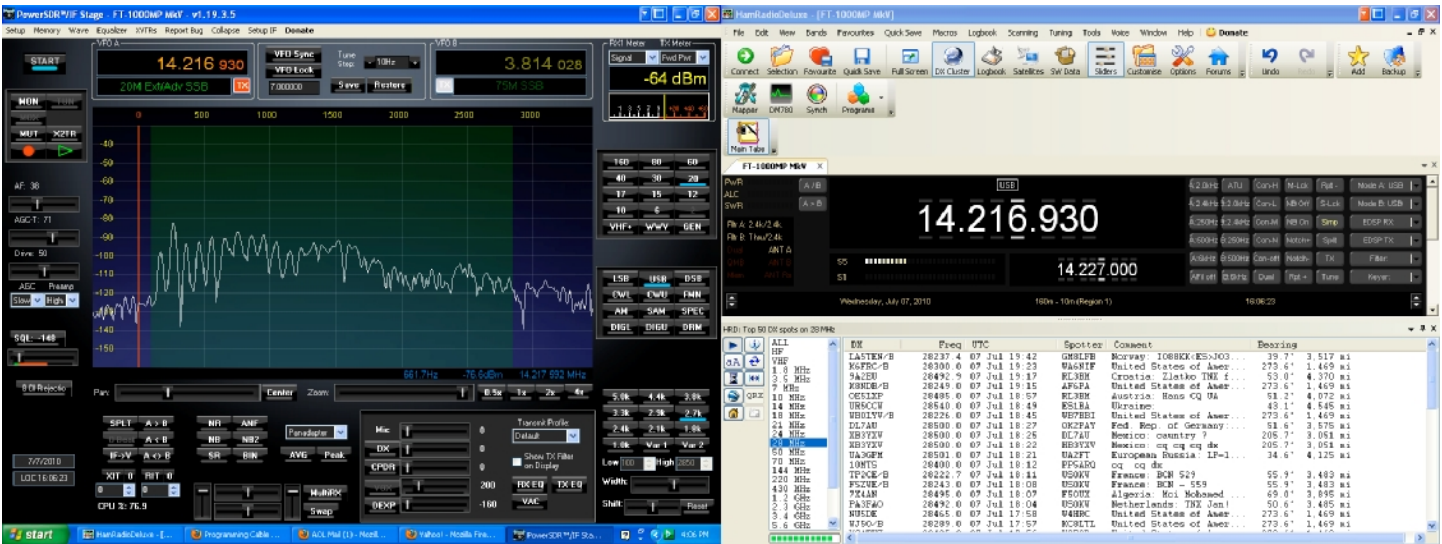
Because I have a roofing filter at 72 mHz I only have 8 kHz of band width at 8.215 KHz.

I sent you two shots one which shows the adjacent channel which is great for looking at unwanted side band suppression and one where I only look at the signal at 3 kHz. As you can see the HRD, Power SDR and the MP all track.

This system also lets me surf the web while I operate and the system doesn't choke. If I try to run DRM 780 and surf the web while running PWRSDR then the system starts to slow down.

Hope this helps.





Call	Freq	UTC	Spot Date	Comment	Beating
EA6B	28237.4	07 Jul 19:42	08/17/07	Norway 108RKC-ES-303...	39.7° 3.517 m/s
EA6B	28300.0	07 Jul 19:23	08/17/07	United States of America...	275.6° 1.469 m/s
EA6B	28482.5	07 Jul 19:17	08/17/07	Croatia Zlatko TML I...	53.8° 4.370 m/s
EA6B	28249.0	07 Jul 19:15	08/17/07	United States of America...	273.6° 1.469 m/s
EA6B	28495.0	07 Jul 18:57	08/17/07	Austria Hans CQ UA...	51.2° 4.072 m/s
EA6B	28540.0	07 Jul 18:49	08/17/07	Ukraine...	45.1° 4.545 m/s
EA6B	28226.0	07 Jul 18:45	08/17/07	United States of America...	273.6° 1.469 m/s
EA6B	28500.0	07 Jul 18:27	08/17/07	Fed. Rep. of Germany...	51.6° 3.575 m/s
EA6B	28500.0	07 Jul 18:25	08/17/07	Mexico country 7...	205.7° 3.051 m/s
EA6B	28500.0	07 Jul 18:22	08/17/07	Mexico cq cq cq de...	205.7° 3.051 m/s
EA6B	28500.0	07 Jul 18:21	08/17/07	European Russia LP1...	34.6° 4.125 m/s
EA6B	28400.0	07 Jul 18:12	08/17/07	CQ CQ CQ...	
EA6B	28222.7	07 Jul 18:11	08/17/07	France ICM 527...	55.9° 3.483 m/s
EA6B	28343.0	07 Jul 18:08	08/17/07	France ICM - 159...	55.9° 3.483 m/s
EA6B	28495.0	07 Jul 18:07	08/17/07	Algeria M0i Mohamed...	69.0° 3.895 m/s
EA6B	28482.5	07 Jul 18:04	08/17/07	Netherlands DJI Jan...	50.6° 3.485 m/s
EA6B	28465.0	07 Jul 17:58	08/17/07	United States of America...	273.6° 1.469 m/s
EA6B	28237.4	07 Jul 17:57	08/17/07	United States of America...	273.6° 1.469 m/s