New to Ham Radio?
My Profile

Community
Articles
Forums
News
Reviews
Friends Remembered
Strays
Survey Question

Operating
Contesting
DX Cluster Spots
Propagation

Resources
Calendar
Classifieds
Ham Exams
Ham Links
List Archives
News Articles
Product Reviews
QSL Managers

Site Info
eHam Help (FAQ)
Support the site
The eHam Team
Advertising Info
Vision Statement
About eHam.net

QSL Managers GO!

Reviews Summary for PAR Paging Notch Filter VHFTN152-158

Reviews: 34 Average rating: 4.8/5 MSRP: $96

Description: A 3-section Notch Filter. One section each tuned to the 152 and 158 MHz paging bands. The third section is tuned to whichever is causing the most problem for additional rejection.

Product is in production.

More info: http://www.parelectronics.com

Email Subscription
You are not subscribed to this review.

Subscribe!
My Subscriptions
Subscriptions Help

You can write your own review of the PAR Paging Notch Filter VHFTN152-158.

Page 1 of 4 —>

WB3CEH **Rating: 5/5** **Oct 15, 2010 05:28** **Send this review to a friend**

Filter solved the intermod problem **Time owned: 3 to 6 months**

Had a serious problem with intermod on the 2 meter band from a high power paging system located on a cell tower very near my QTH. Dale recommended this filter and it solved the problem. The filter is commercial-grade quality. Dale was very helpful and informative.

2W0ZJA **Rating: 5/5** **Feb 4, 2009 15:36** **Send this review to a friend**

Intermodulation,pagermast Cured with Par Electronics Filter **Time owned: 0 to 3 months**

Hi, I was having terrific inter modulation/breakthrough caused by a local pager system on 152>155mhz. The interference was s9++ all throughout the 145>146mhz region. I thought my days on 2M were over and done. I got in touch with Dale at Par Electronics and he sorted me out with a filter. I was expecting the noise to be dramatically reduced Its better than that its totally gone away!! I am over the moon with the filter and its cleaned up the band

amazingly.Its an astounding piece of kit and well worth the money. Thanks very much Dale from a very happy operator once again...
David Bowen
2W0ZJA Wales,UK

KC8GZG **Rating: 5/5** **Feb 12, 2007 19:50** **Send this review to a friend**

Excellent product **Time owned: 0 to 3 months**

I have an hour commute to and from work. There was one section of road where I received terrible interference. I use an ICOM 2720H in the car. I did not want a band pass filter because they are so big, and would have prevented me from receiving the National Weather Service frequencies. After searching google, I found PAR Electronics and their list of filters. I sent an email requesting more info, and settled on the VHFTN152-158 filter which I purchased. It is doing an outstanding job. Instead of 6 miles of constantly having my radio slammed by pager intermod noise, I hear it break in once every couple of days on my commute.

This filter is an outstanding product at a reasonable price.

WK1H **Rating: 5/5** **Apr 18, 2006 08:53** **Send this review to a friend**

Thank you Par!!! **Time owned: more than 12 months**

I purchased one of these babies because I have a 2M/440 rig that is great except it has poor intermod reject (Icom 2710 to be precise). I installed this filter and it eliminated the problem totally.

I volunteer at the Boston Marathon every year and any time I got near the Boston / finish line area I've experienced a huge amount of intermod (this is on a different rig that has a very good front end, it's just that there are a ton of pager systems in that area). I pulled this filter out of my car and used it at the marathon this year. I experienced absolutely no intermod at all this year. Other stations continued to have intermod problems near the finish line but I was able to hear the net with no problems.

This is an excellent product for anyone that operates in an environment that is subjected to a lot of pager system intermod on 152 and/or 158 MHz. I felt a little bad about the price at first (about $80) but now that I have it I have to say that it is a small price to pay to be able to communicate during a public service event, or even just a random QSO, smoothly and with no noisy intermod interruptions.

NM7R **Rating: 5/5** **Mar 7, 2006 09:22** **Send this review to a friend**

Great Pproblem solver **Time owned: 3 to 6 months**

I operate a linked network of 11 repeaters at 9 sites in southwest Washington. One site was giving me fits. My contribution to the RF smog on the hill in question is a package including a VHF repeater

on 147.340+, a UHF repeater on 442.675+ and a link transceiver on 441.675+. All use a PL of 118.8. The two repeaters share an antenna through a diplexer.

Life was good, and then a new 158 Mhz paging transmitter moved into the building next door. The antenna is on a pole 60 feet horizontally and 20 feet vertically away from my repeater antenna. When a user was on another repeater in the network, it would key the VHF and UHF transmitters (that's how a linked system works). The VHF repeater receiver would then momentarily key up erratically and repetitively, seizing the link and interfering with the entire network.

This "shotgun" problem would go away if I killed either the VHF transmitter or receiver, so I figured it was a mixing problem. That also explains why the PL lock was ineffective. I had to leave the 2-meter side off for days at a time. It was frustrating.

I tried a DCI bandpass filter on the VHF side. This had worked at other sites, but couldn't touch this problem. I tried an additional bandpass cavity on the transmit (and later the receive) side of the Sinclair 4-cavity duplexer. No effect.

I called Dale and he recommended the VHFTN152-158. This is a three-section notch filter with one section on the 152 and two on the 158 Mhz paging frequencies. He takes PayPal, so I instant-paid him and he instant-sent the filter. I installed the filter at the junction of the diplexer and main feedline, figuring that keeping the paging out of the UHF AND VHF sides would be a good thing. I had double-checked the 2-meter and 70-cm insertion loss on the bench – there is none.

I installed the filter in early December, and here it is March and not a peep. Both repeaters are working fine. Thanks Dale, for such a professionally built product, the caring, personal service, and getting my repeater back. Well worth the $96.

KB5ZHJ **Rating: 5/5** **Mar 18, 2005 15:00** **Send this review to a friend**

SOLVED THE PROBLEM **Time owned: 0 to 3 months**

I HAD A PROBLEM WITH INTERMOD WITH MY YAESU FT-8100 AT 152.500 MHZ AND 160.125 MHZ. I CALLED DALE AFTER I ISOLATED THE PROBLEM. HE BUILT A FILTER WHICH COMPLETELY ELIMINATED MY PROBLEMS. THE DEVICE IS VERY WELL BUILT AND THE SERVICE WAS GREAT. I HIGHLY RECOMMEND PAR ELECTRONICS FOR YOUR FILTER NEEDS....

K3GJ **Rating: 5/5** **Aug 30, 2004 22:27** **Send this review to a friend**

Outstanding Product that really works **Time owned: more than 12 months**

Dale has an absolutely outstanding product and provides personal service you don't see anywhere else. I bought my first filters several years ago and he responded within hours back then. Needing another filter for a new radio installation, I contacted him again and he again responded within two hours on a Sunday with the information I needed. The filters themselves are outstanding. Here

in the DC area we have such a wide mixture of cellular, paging, security, transportation, and other unmentionable sources of potential interference/intermod. One such area is along the SE/SW Freeway where the intermod blanks out most radios. After installing the filter I was back in communication on both 440 and 2M. Even with all the numerous new security monitoring installations around the area we are able to use our mobile rigs because of this filter. Quite a number of the local Amateurs are now utilizing these filters and have experienced the same success I have. If it can work well around the DC area, it can work well anywhere. As a repeat buyer, I highly recommend not only the product but the unbelievable service provided by Dale.

N3GOO **Rating: 5/5** **Aug 3, 2004 23:06** **Send this review to a friend**

Works great **Time owned: more than 12 months**

Bought it to make my TM-733 usable in downtown Baltimore. No more pager interference. Had the opportunity to put it on a network analyzer and verified the filter response and matching - no surprises, it does exactly what they claim. Going to buy the 440 version next, as I am noticing a couple of spots on my commute where that band has problems. Definitely recommended.

KC2KWK **Rating: 5/5** **Jan 5, 2004 11:01** **Send this review to a friend**

Best money ever spent **Time owned: 0 to 3 months**

Over a week ago I purchased the ICOM IC-2720 dual band xcvr. It's connected to a Diamond X200A dual band base antenna. I was going to test it out inside the shack before putting it in the truck. After connecting it all up and programming the repeater frequencies that I use, I came across the dreadful intermod problem that so many hams have been reporting on this wide band receive rig. It was awful. Even on some local repeaters that came in strong, the intermod was still able to come through. And can you imagine what it's like on repeaters that don't use a tone squelch. Even the rigs 10 db attenuation and setting the 1st local oscillator frequency from normal to reverse or vise versa, did not help at all.

So I did some investigation on the paging towers, and found at least one about 2-3 miles away from me. I had a least 20 repeater frequencies, out of the 30 programmed, receiving intermod. Also my local police, fire and EMS frequencies (155 MHz) we also receiving intermod. So I went to the 152-158 MHz range to try and find these culprits. In just a few minutes, and I mean a few minutes, I found at least 10 paging frequencies in the 152-158 MHz range, 4 of which were hitting me at 40 db over S9. I actually thought these paging towers were on my neighbors roof they were coming in so loud. And when I tried to use the attenuator at the full 10 db, they were still pegging my S meter.

I didn't want to return the rig, it has some awesome features, it was like having 2 radios in one. Listening and scanning repeaters on the left side, while monitoring a simplex or listening and scanning public service on the right side. It has incredible sensitivity (thus intermod) I was actually receiving repeaters that I never heard before when using my IC 706MKIIG on the same antenna. And the cross band repeat is an added bonus.

So I talked with a local ham and we were going to attempt to null it out with a stub. I needed to find the strongest paging frequency and then put a T connector in line, one side connected to the antenna, the other to a coax stub about 24 inches in length. Tuned to the paging frequency, I'd rather copy CW or listen to digital mode transmissions, I began to cut the coax stub a little at a time until I reached a deep null when receiving the paging tones. Well I received the deep null, but the next step is to make sure everything is ok on the transmit side. Of course I started off with low power and received an SWR of over 8:1 ratio. This is not going to work and tried several more times by moving the position of the T with the respect to the transmitter and making new stubs. Then I began thinking, even if this does work, and I get the deep null with low SWR's, this would be great if I kept the rig in the shack, but what would happen when the rig is mobile? Am I going to need a different stub to null out a different paging frequency every place a drive? There's got to be another solution.

After doing some research on the Internet Christmas night, checking out message boards and all that stuff, I ran across some postings about an intermod filter made by PAR Electronics. I proceeded to PAR's web site and found the intermod filter that some hams have been talking about. The web site said to send an email to PAR for additional information on ordering the intermod filter. Well I figured it's Christmas night, but I'll send an email anyway and probably get an answer Friday morning or at least by Monday of the following week. Well I was wrong. Within an hour, on Christmas night, I received an email from Dale at PAR Electronics giving me the information I needed and telling me where I can purchase the intermod filter. So I placed my order that evening and also had some other email conversation with PAR on subsequent days, and every time I sent an email to PAR, I would receive a response within the hour. This is what I call service.

Well I received the VHF TN152-158 intermod filter yesterday afternoon (1/2/04), around 3:30 pm, and have been performing various test until this afternoon. The results are there is no more intermod from paging on any 2 meter repeater frequencies or in the 2 meter band (remember before the filter I stopped counting at 20 repeater frequencies containing intermod) and my local police, fire and EMS frequencies (155 MHz) no longer contain any intermod and still come in just as strong with the intermod filter connected. All other frequencies including aircraft, weather, and other utility stations are working well with the intermod filter attached with no degradation to the signal, and of course no intermod. I would say in my situation that the PAR VHF TN152-158 intermod filter cleared up my problem 100%. What a fantastic product. There were no affect on SWR's and all repeaters, distant or local, are being heard and accessed at the same signal strength as before filter installation. I even had to remove the filter from operation to make sure I wasn't crazy about hearing the intermod, it's completely gone. Now on some repeater frequencies, that I was receiving intermod that is gone now, I'm actually receiving distant repeaters that were being buried by the intermod. It seems like sensitivity was not affected. SWR's in the 2 meter band are less than 1.2:1 across the band, and 70cm is less then 1.1:1 across the band. It's amazing.

With the intermod filter, I'm actually going to keep the rig in the shack and purchase another IC 2720 for the truck, of course not without the intermod filter. Keep up the good work PAR Electronics.

WB6GHA **Rating: 5/5** **Oct 1, 2003 12:22** **Send this review to a friend**

Intermod Cure For Repeater **Time owned: 0 to 3 months**

Two of our local two meter repeaters had been plagued with ever increasing "intermod" for some time primarily by adjacent paging and high power LMR stations. The local repeater users were annoyed to the point of turning off their radios.

In an attempt to solve the situation in which we found ourselves, I applied one of the Par VHFTN 152158 notch filters to each repeater receiver and the results were, in a word, spectacular.

The "intermod" that in the past had keyed-up the repeaters and KEPT them keyed for long periods of time has now been completely eliminated. The mixing in the front end of the repeater's receivers seems to have been completely eliminated due to the design of the Par Electronics filters.

To say that we are happy with the performance of the Par filters is an understatement. If your club or group is experiencing "intermod" at the repeater site, an application of the Par filters might be what you need to help solve the problem.

If we can answer any questions about our particular installation of the Par filters at our repeaters, please don't hesitate to contact us. Thanks de John

Page 1 of 4 —>

If you have any questions, problems, or suggestions about Reviews, please email your Reviews Manager.