

The 3 noise systems I use, the rig's tuneable Noise Blanker, BHI DSP LS, & JPS Noise Canceller, all complement each other very well, as they work differently. Sometimes all 3 are needed to get a usable band here in RF noisy Croydon. With the JPS ANC-4, do not Rx too much Tx power on the noise aerial, as it can be damaged with nearby QRO! Using seperated aerials as I do, stops this, & also helps get deep nulls while leaving Rx signals, with same location aerials you tend to null out all signals at once!

Scope timebase is locked to mains, & both beams are added to give just 1 line. Rx AF can help adjust the Noise Canceller & rig Noise Blanker threshold, as you can see the offending neighbours SMPSUs, & null out one pair of 100Hz noises, but only to see 2 more appear on another mains phase. Not mains locked QRM from TV/PC screens can be seen, & other non ham things like over the horizon radar "Wood Pecker" or "QRO 50Hz FM sweep jammers" are easily identified too.

The Tx envelope display shows up the peak with or without compression, all nicely rounded under ALC power control with no hard clipped flat tops.

See all these related TECH buls....

- "Autocaller with old Maplin kit"
- "High AMP Crowbar Protected PSU"
- "DEL 7000815 SMPSU 12V 75A Mods"
- "T500 M 12V 500W HF Linear"
- "Variable Speed Thermal Fan"
- "BHI Noise Eliminating DSP LS"
- "IC 735 No RF Output Fault"
- "Palstar AT1500CV ATU"
- "QRO 1kW HF Metered Dummy Load"
- "A Nest of Dipoles for HF"
- "Mains Plugtop Filter Adapter"
- "Oscilloscopes"
- "AF 2 Tone Test Osc Design"
- "QRO v QRP".

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73 de John G8MNY @ GB7CIP