



Shane Hill <remingtonhill1@gmail.com>
to Russ, Pat ▾

Wed, Mar 20, 1:42 PM ☆ 😊 ↶ ⋮

Greetings,

Russ, I want to thank you for your efforts last week with regards to the security camera RFI. Our quality of life has improved drastically since the interference was powered down. We noticed an immediate improvement in our home electronics, the reliability of our cell phone service, broadcast TV/Radio reception, and more.

That said, I'm still detecting some RFI, albeit weaker, coming from the area of the clubhouse specifically. I'd like to eliminate possible culprits. The interference appears, to me, like a failing or otherwise defective SMPS (switch mode power supply). If thats the case, it's likely drawing too much current, getting warm, etc. It should be fixed.

As far as eliminating possible culprits, I want to ask if the camera system attached to the clubhouse is still powered on? If it is, that's important, because it means a singular component likely did not fail in the RV parking section, it likely means the overall quality of the components and the installation are to blame. Both the RV parking and clubhouse systems were installed using the same techniques.

My equipment for the detection of radiated emissions isn't great. Electrical engineers who specialize in electromagnetic compatibility compliance use equipment that costs tens of thousands of dollars. That said, I did the best I could to eliminate any other sources than the clubhouse, like the condos behind and other nearby residences. I can't be 100% sure at this stage of the investigation though. Ultimately, I'd need more access to zero in on the problem.

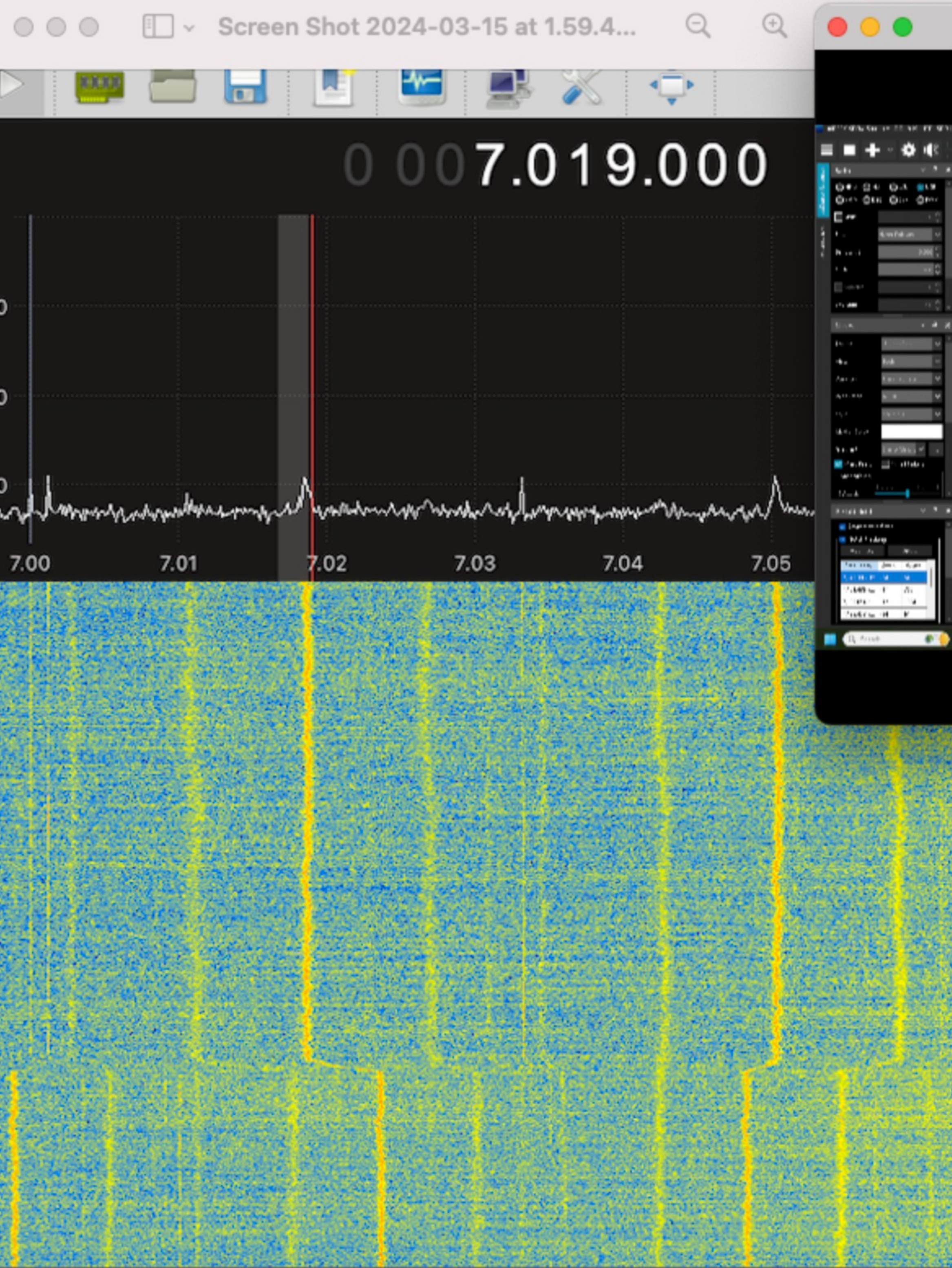
Also, fixing the camera system RFI maybe easier if we eliminate other local and close sources of RFI so as not to get confused about what we are trying to fix.

Thanks Russ.

Shane
512-689-5730

Attachment:

image of RFI detected at clubhouse parking.



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