

RFI Space Coast Mobile information form

Help us help you. Please provide as much information as you can, we distribute it to our members to formulate a plan of attack and will get back to you. Thanks!

Name: _____

Amateur call sign (if any): _____

How may we contact you; phone, email, text? _____

Vehicle year/brand/model: _____ Radio brand/model: _____

Frequencies/bands of interference: _____

Approximate strength: _____

Is your built-in AM/FM affected? (Make observations at both 530 kHz and 1710 khz. These are important frequencies.)

Have you checked the manufacturer's web site and user groups for your brand for ideas? _____

For suggested methods to help us, see attached check sheet.

If possible, attach an audio file of the interference*, make sure to identify the frequency you used. Screen shots or pictures of radio screens are most helpful.

You may fill out this form and send it to us electronically, or print it out and mail to:

PCARS Interference Committee, PO Box 1004, Melbourne, Florida. 32902-1004

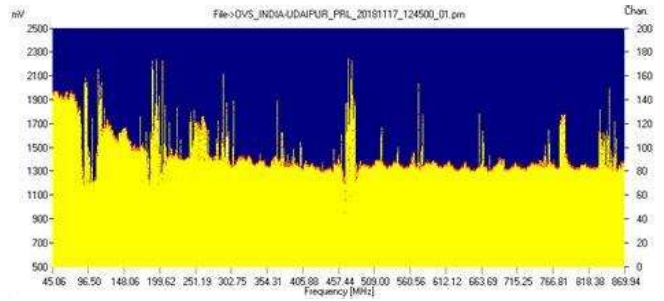
Hope to help you soon! The RFI Space Coast interference team.

Home page: <https://groups.io/g/RFI-Space-Coast>

Email: RFI-Space-Coast@groups.io

Note: This is the posting address to the entire RFI team. Posts from you may take a short time to be approved. This helps cut down dreaded spam.

*Use the rig's built-in recording function if available, an audio recording app on your cell phone, or an MP3 player with audio recording capabilities. We will even accept a cassette recording and transcribe it for you.



Mobile interference isolation steps. Please perform the following steps and provide observations in the order listed. Thanks.

How do you supply power to your rig? Attach a copy of the rig manufacturer's recommended connections. (Please include a scan or picture of the manual, not a link or description. If you don't have a copy of the manual, please find it on the internet, download it and then provide us the scan or picture. This is very important.)

Did you use power cable that came with the rig? _____ If so, did you extend or modify it for your installation? _____

Size of your power wires? #14? #10? Unknown? _____

Describe antenna(s) used, model numbers, types, modifications, etc.

Describe **EXACTLY** how your antenna is mounted, and any connections to the chassis and frame. Pictures can be most helpful.

How is your rig connected to the antenna? Coax type? Age? Condition? Carefully inspect the connectors and length for stress, damage, corrosion, frayed shields, rubbing/chaffing, etc. _____

How is this coax routed from your rig to the antenna? Under the carpet? Through the firewall? _____

Identify any additional devices connected to your rig that may be grounded. External speakers/powered speakers? Linear amplifiers? SWR/Power meters? Speech processors? Computers or logging devices? GPS? Please identify exactly how and where they are grounded or where they get their negative power from.

Identify any other modifications or additions to your vehicle, such as winches, lights, inverters, trailer brake controllers, aftermarket audio, etc.

Does your rig have a remote head? Carefully inspect the connectors, cable, shields, etc.

Has the noise always been there, or commenced some time after installation? _____

Operational Observations:

If your radio is connected directly to the battery, turn your radio on. With ignition off, do you hear any problems? _____

Then, turn on the ignition but do not start the engine; pay attention to the first few seconds after you turn the ignition on. Do you hear any noise, then it goes right away? _____ (We are looking for fuel-pump noise and issues.)

With ignition on but without the engine running, do you hear any continuous or on-going noise? _____

Start the engine. Is noise now present/still present? _____

Does the noise frequency go up and down with engine RPM? (Alternator whine.) _____

With rig on and engine running, unplug the microphone. Any impact on the noise? _____

(Some rigs: the mike lines are always hot, and can pick up noise and inject it into the audio circuits of the radio.)

Do you have an oscilloscope and looked at ripple on the power leads? _____

If the noise only occurs during vehicle motion, this will take in-person visit/check rides and observation to help isolate.