

**ASRI**

Aviation  
Spectrum  
Resources, Inc.

# **ASRI RF Interference Reports**

Presented to  
AFC Meeting at YVR  
10-11 June 2014

# ASRI RF Interference Report

- This is a description of all radio frequency interference reported to ASRI between February 2014 to June 2014.
- We would like to acknowledge the outstanding help of the FAA ATC Spectrum Engineering Services Office, the FCC, Airlines, FBO's, Rockwell Collins, and ACG in the resolution of these problems.

## SUA / FEB 2014

- Aviation Center Inc. dba Galaxy Aviation of Stuart, FL reported RFI 3-5 second duration up to 15 times per hour usually later in the day and worse after dark.
- RC MIAMM dispatched with direction finding equipment and found new Verizon cell site as probable cause of RFI.
- RC MIAMM working with Galaxy, Verizon, property owner and FCC to isolate cause of RFI.
- CASE: **Open**

## BOS / FEB 2014

- JetBlue Airlines reported what sounded like ACARS interference to frequency 131.650.
- RC installed filters on their ACARS base frequency 131.550.
- Filters resolved problem.
- CASE: **Closed**

## AVL / FEB 2014

- Landmark Aviation reported static RFI
  - same interference heard on handheld tuned to same frequency
  - RFI started after moving to new building 600' from old location
- MIAMM dispatched and noted new location has higher noise floor.
- Replaced IC110 with more selective radio to resolved problem.
- CASE: **Closed**

## BDL / MARCH 2014

- Signature Flight Support reported electrical power bursts, decreased range.
- RC dispatched, replaced antenna and swapped radio to restore service.
- CASE: **Closed**

## ATC / MARCH 2014

- T. Aero II LLC an FBO in Waco, TX reported competing FBO using their frequency.
- Other FBO denied that they used frequency.
- After second report of unauthorized frequency use, ASRI requested audio recording of competing FBO using the frequency.
- STATUS: **Open**

## RIC / APRIL 2014

- Dominion Resources Services, Inc. reported US Airways/AAL on frequency
- Originally reported years ago to ARINC who replaced Dominion's radio.
- New radio found to have defective receiver.
- STATUS: **Open**



## ACY / APRIL 2014

- Spirit Airlines reported hearing GAT, Inc., an airline ground support company, on the Spirit's frequency. GAT's frequency was 200 kHz away.
- DCG was on site and corrected the issue.
- STATUS: **Closed**

## SFO / APRIL 2014

- Southwest Airlines (SWA) reported problems with frequency.
- ASRI contacted SWA and determined the problem was with a handheld radio, base radio has no problems.
- Recommended battery replacement or contact SWA tech for new radio.
- CASE: **Closed**

## MHT / MAY 2014

- RC reported broadcast station on ACARS frequency 131.550 at Manchester, NH.
- RC RF Engineer dispatched with ASRI DF equipment.
- Found Broadcast transmitter with spurs, shut down translator and turned up backup translator RFI went away.
- Broadcaster is installing filters to fix the problem and will continue testing with RC to verify fix.
- CASE: **Closed**

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# Questions