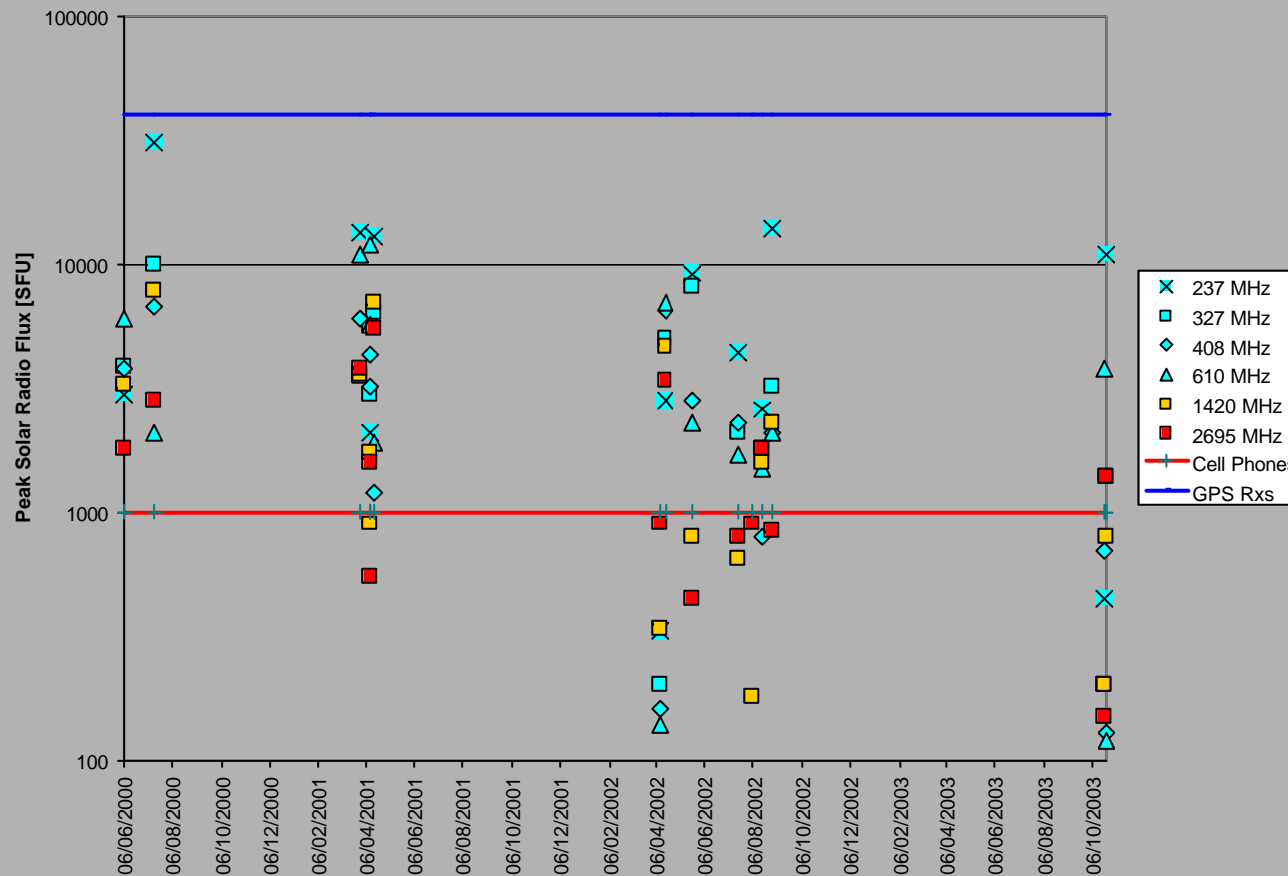


Solar Radio Outbursts as Potential Radio Communications Jammers: Analysis of Selected Cases

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- Solar radio bursts can lower the SNR in wireless comms
- Attention level is:
 - 1,000 SFU for mobiles
 - 40,000 SFU for GPSs
- We analyzed 15 outbursts detected by TSRS in 2000-03
- 1,000 SFU was exceeded by
 - 80% 237 MHz events
 - 80% 327 MHz events
 - 67% 408 MHz events
 - 80% 610 MHz events
 - 53% 1420 MHz events
 - 53% 2695 MHz events
- No event at 1420 MHz found larger than GPS threshold