



GPS Adjacent Band Compatibility Assessment Test Results

International Committee on GNSS-11

Provider's Forum

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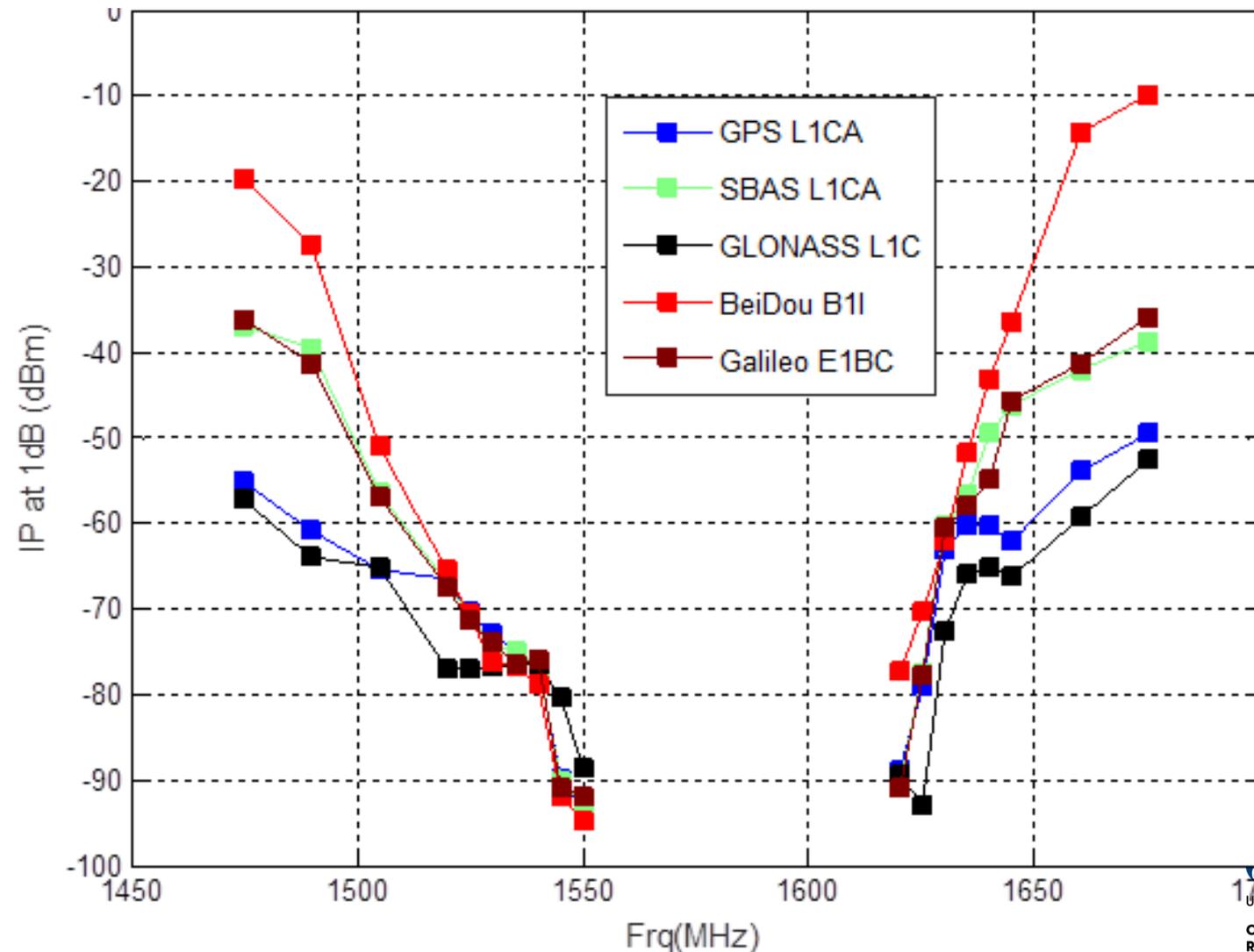
Overview of Radiated Testing

- GPS/GNSS receiver testing was carried out at the Army Research Laboratory's (ARL) Electromagnetic Vulnerability Assessment Facility (EMVAF), White Sands Missile Range (WSMR), NM
- Six categories of GPS/GNSS receivers: General Aviation (non certified), General Location/Navigation, High Precision & Networks, Timing, Space Based, and Cellular
 - 80 Receivers Tested
- Produced 1 dB Interference Tolerance Masks (ITM)

ITM = Interference power (IP) resulting in 1 dB degradation to carrier-to-noise-ratio (CNR)



Interference Tolerance Masks for High Precision Receivers



GPS: 35 Devices
SBAS: 16 Devices
GLONASS: 20 Devices
BeiDou: 4 Devices
Galileo: 11 Devices

