

Fact vs. Fiction:

1 dB & Adjacent Band Use

FICTION

1 dB is the long-time, internationally recognized standard for defining harmful interference for adjacent band use.

FACT

1 dB has never been used to assess harmful interference in adjacent bands - either in the U.S. or by the International Telecommunications Union (ITU)

1 dB is *not* a standard. NIST found that GPS devices are all over the map in how they measure, record and report 1 dB changes.

A 1 dB change does not equate to harm! Tens of thousands of data points show that GPS devices will continue to function properly regardless of a 1 dB fluctuation.

Using a 1 dB criterion to define harmful interference would require the FCC to change the framework that has successfully guided harmful interference analysis for decades.

Applying 1 dB to adjacent band use would set a precedent that would severely limit current and future uses of spectrum for 5G.