

Software Defined Radio with Zynq® UltraScale+ RFSoc

Errata

Book first published January 2023.

Revision 1, June 2025.

Changes / corrections made in this revision:

1. Equation 2.1 for Free Space Path Loss was corrected, and given in terms of decibels (dB).
2. Figure 9.14 showed incorrect information, and was replaced with a new diagram. (Secondarily, some changes to text flow resulted, as this diagram was larger than the original.)
3. Figure 9.16 was replaced. Originally this showed the magnitude response for FIR1, but it should have shown the magnitude response for FIR2.
4. The text under Table 9.3 was amended to reflect that only the filters decimating by a factor of 2, i.e. the FIR4, FIR3, FIR2, and FIR1a filters, are halfbands (the others pass 1/3 and 1/5 of the band, respectively, therefore cannot be halfbands).
5. Figure 9.23 was amended. The 'IF' and 'RF' labels in the bottom diagram were swapped.
6. Table 9.5 was moved to the bottom of page 330, underneath Figure 9.28, such that the example follows all of the related technical information.
7. Various small typographical changes in Chapter 9.