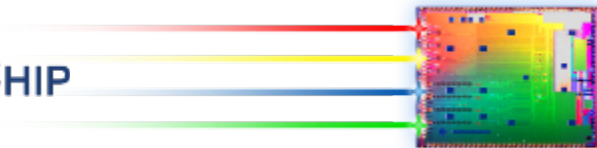


Updated TDECQ measurements vs Rx ref BW for T & T/2 spaced equalizers

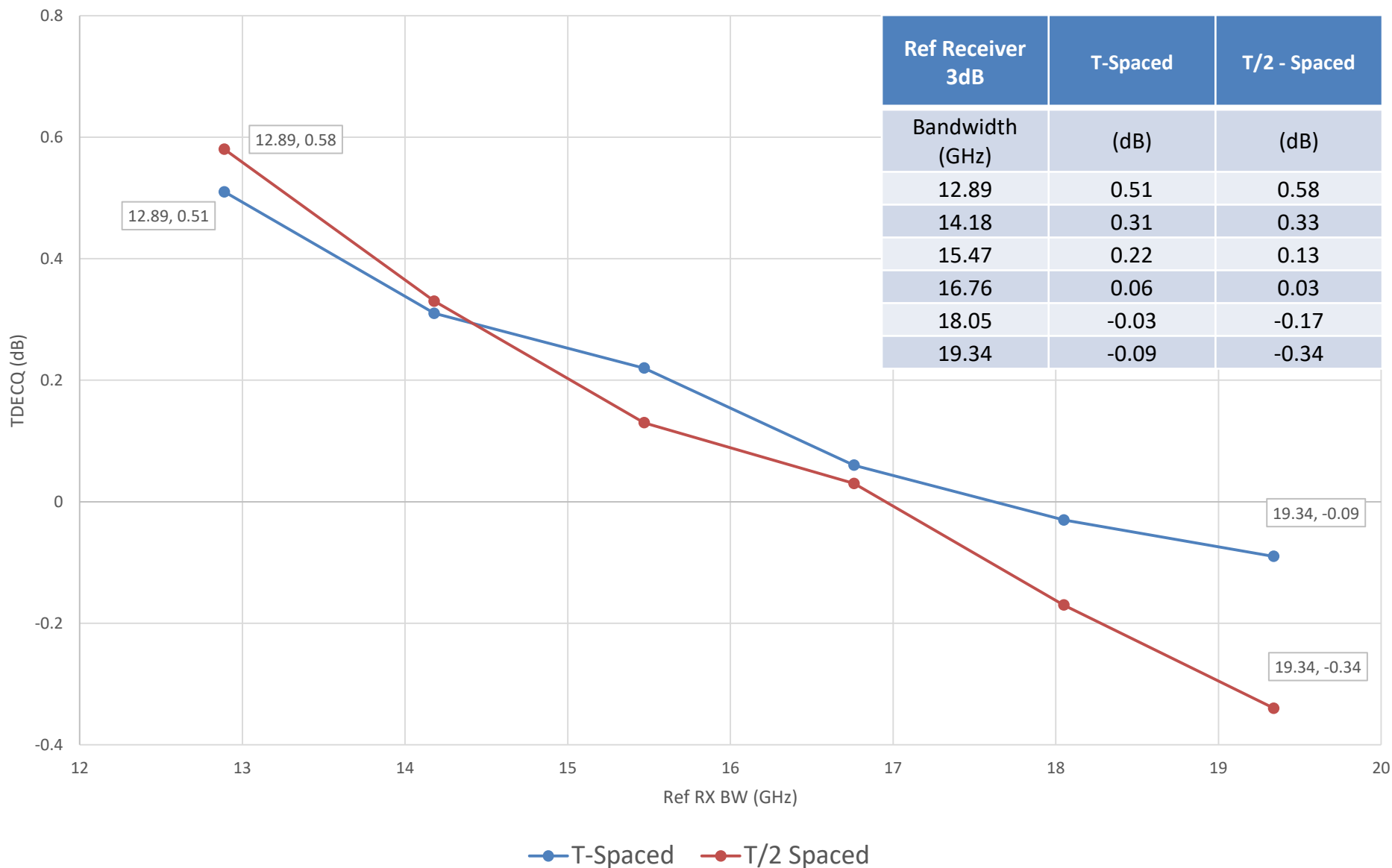
Brian Welch

FIBER TO THE CHIP

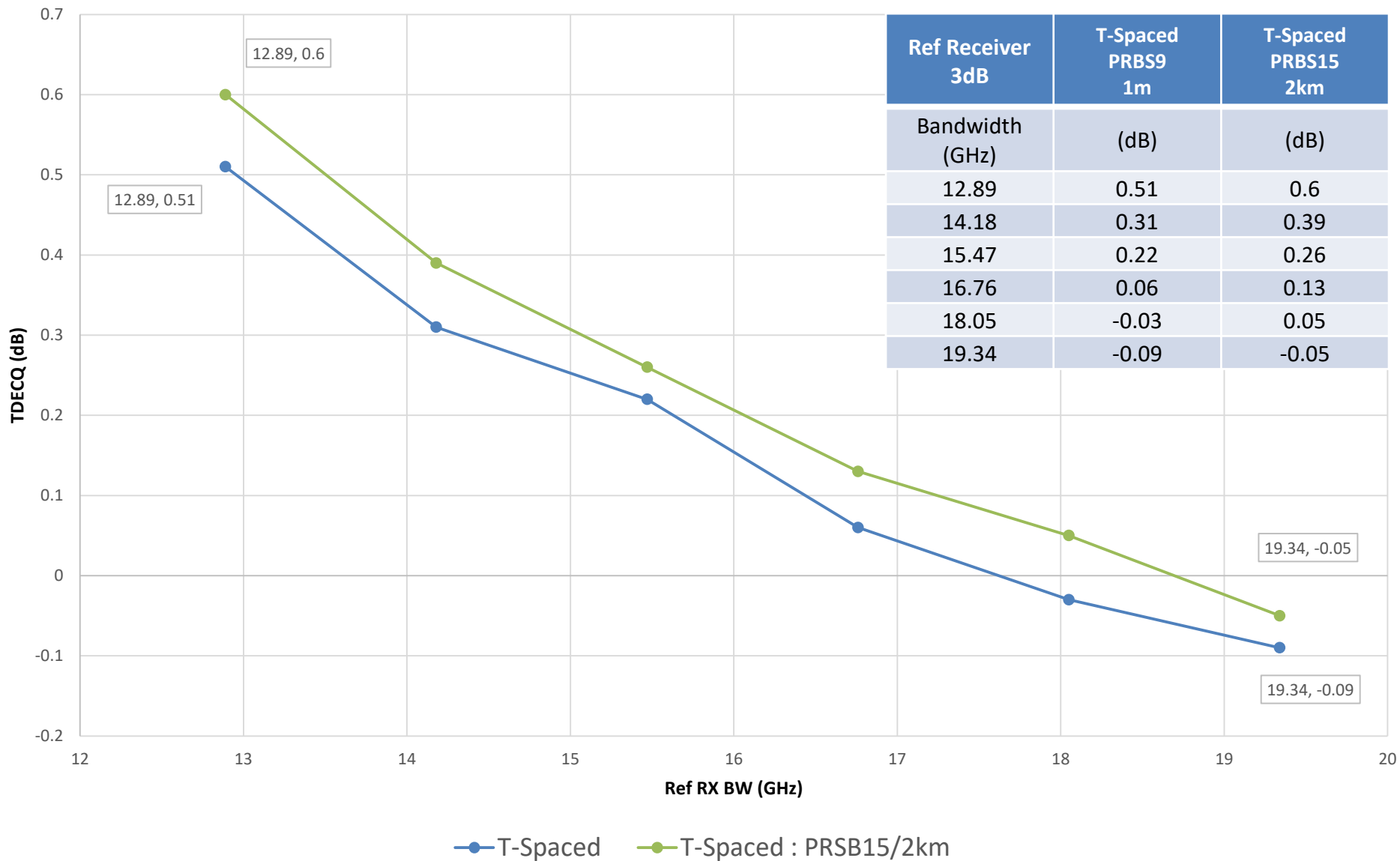


- Updates to welch_01_0718_SMF
- Adds PRSB15 2km TDECQ measurement for T-spaced equalizers (previous used PRBS9 at 1m)
 - Nominal SMF28 fiber
 - Measurements taken on a 26GBD-PAM4 transmitter
 - RX reference varied from 0.5x baud rate to 0.75 x baud rate (in 0.05 x increments)
 - Measured using a Keysight N1092A DCA-M
 - SIRC enabled
 - *No SSPR pattern available with pattern generator in use*

TDECQ vs Ref RX BW: From welch_01_0718_smf



Updated TDECQ vs Ref RX BW



Conclusions

- Penalty (relative) for PRBS15 at 2km < 0.1 dB for high bandwidth transmitters
- TDECQ values < 0.6 dB possible with low bandwidth RX filter