

# QSFP28 Mated MCB-HCB Compliance test report according to IEEE802.3bj , CEI3.1 and MSQS-2 standards.

ML4041K-RevG mated with ML4020-RevE  
Using 6" MXP to K cable

10010110

001110010

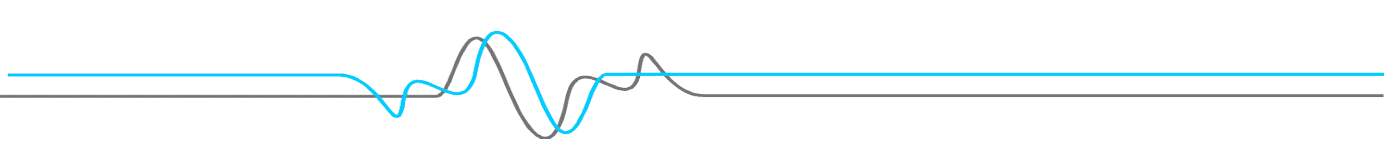
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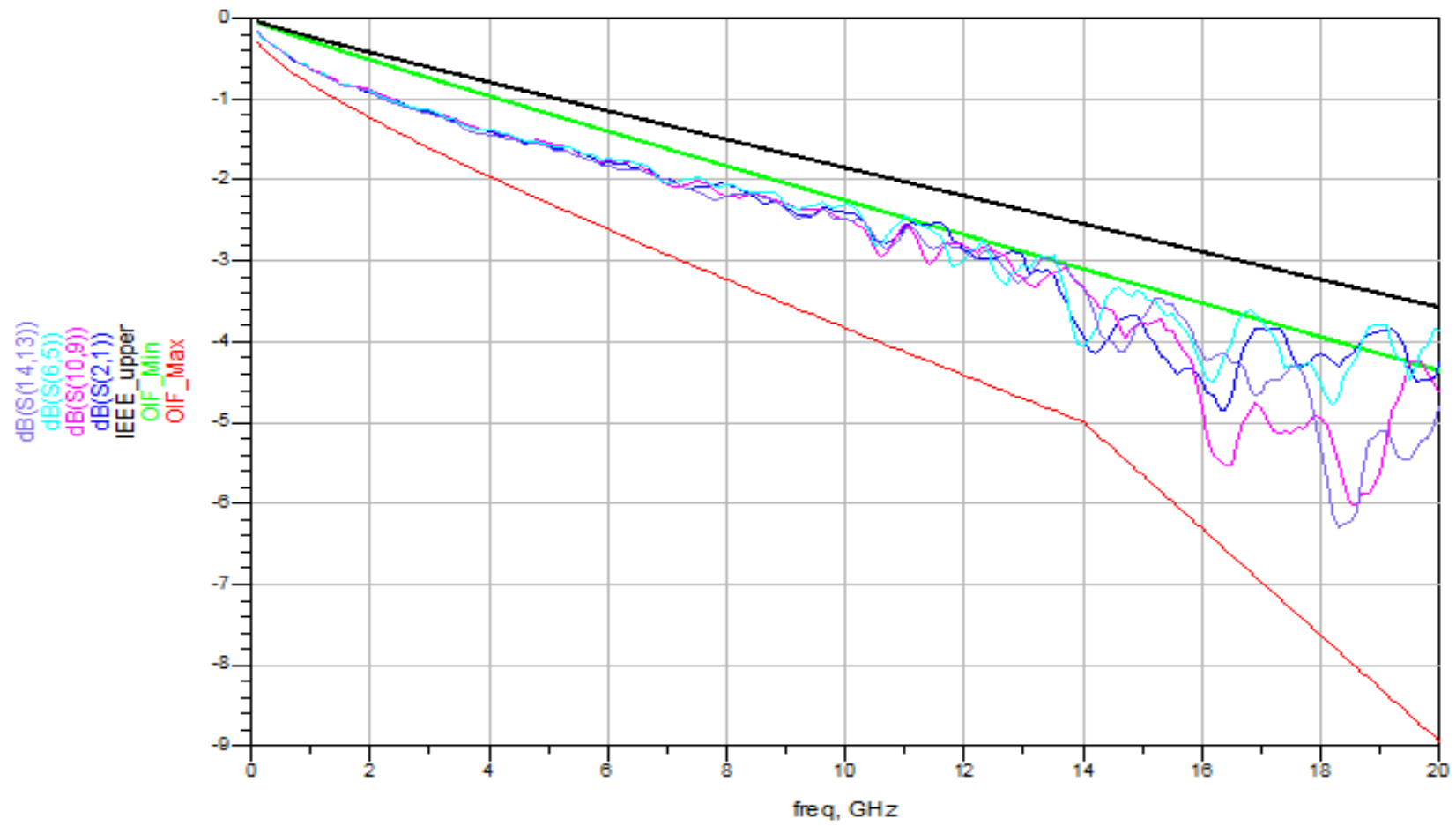
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00101101110



# Insertion Loss – TX (includes 6" MXP to K)

OIF-CEI3.1/MSQS-2/IEEE 802.3bj IL Max  
OIF-CEI3.1/MSQS-2 IL Min  
IEEE 802.3bj IL Min

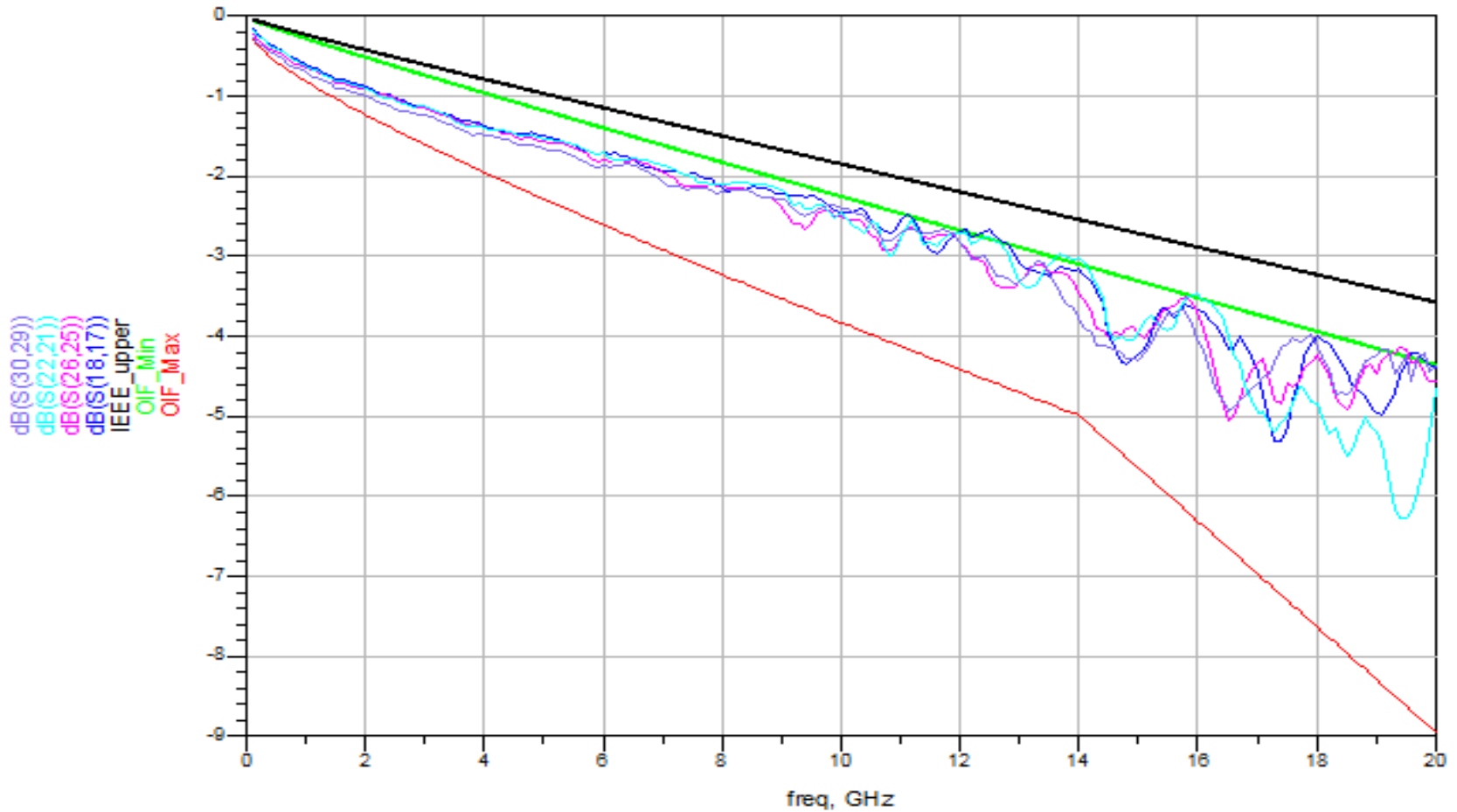


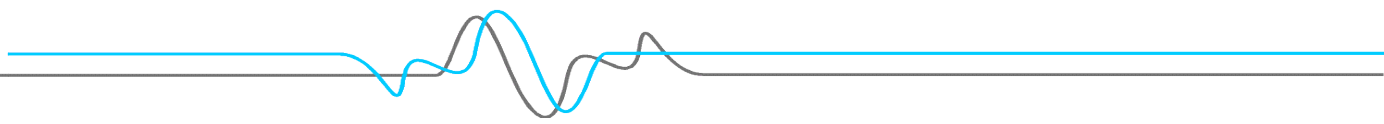
## Insertion Loss – RX (includes 6" MXP to K)

OIF-CEI3.1/MSQS-2/IEEE 802.3bj IL Max

OIF-CEI3.1/MSQS-2 IL Min

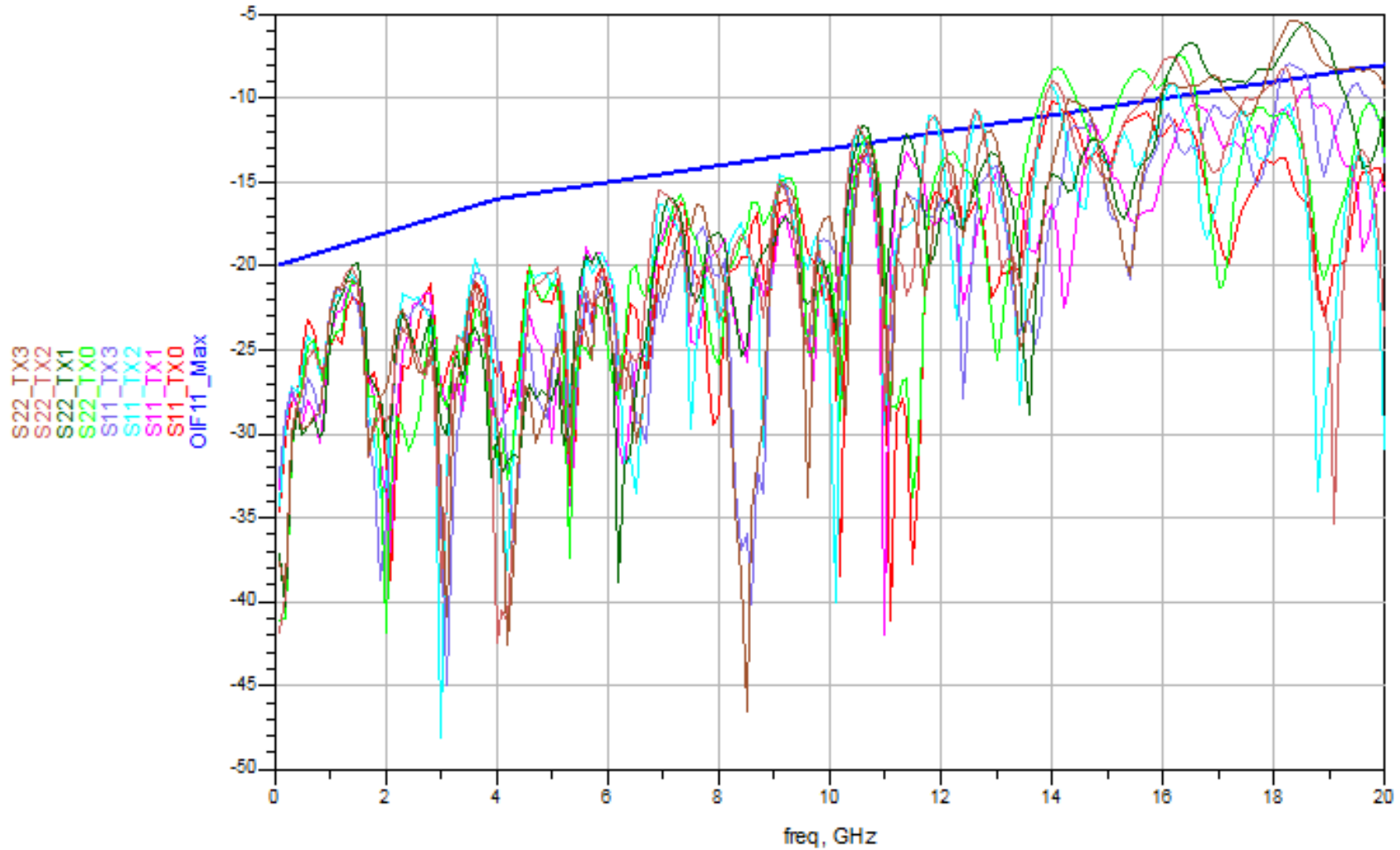
IEEE 802.3bj IL Min

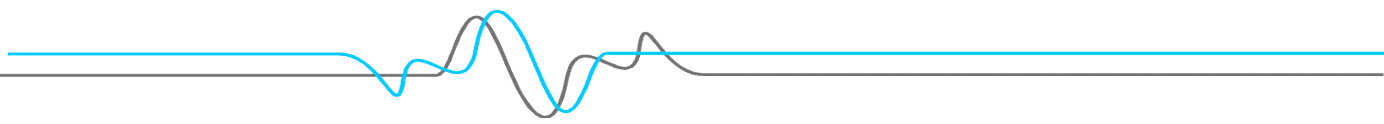




# Return Loss – TX

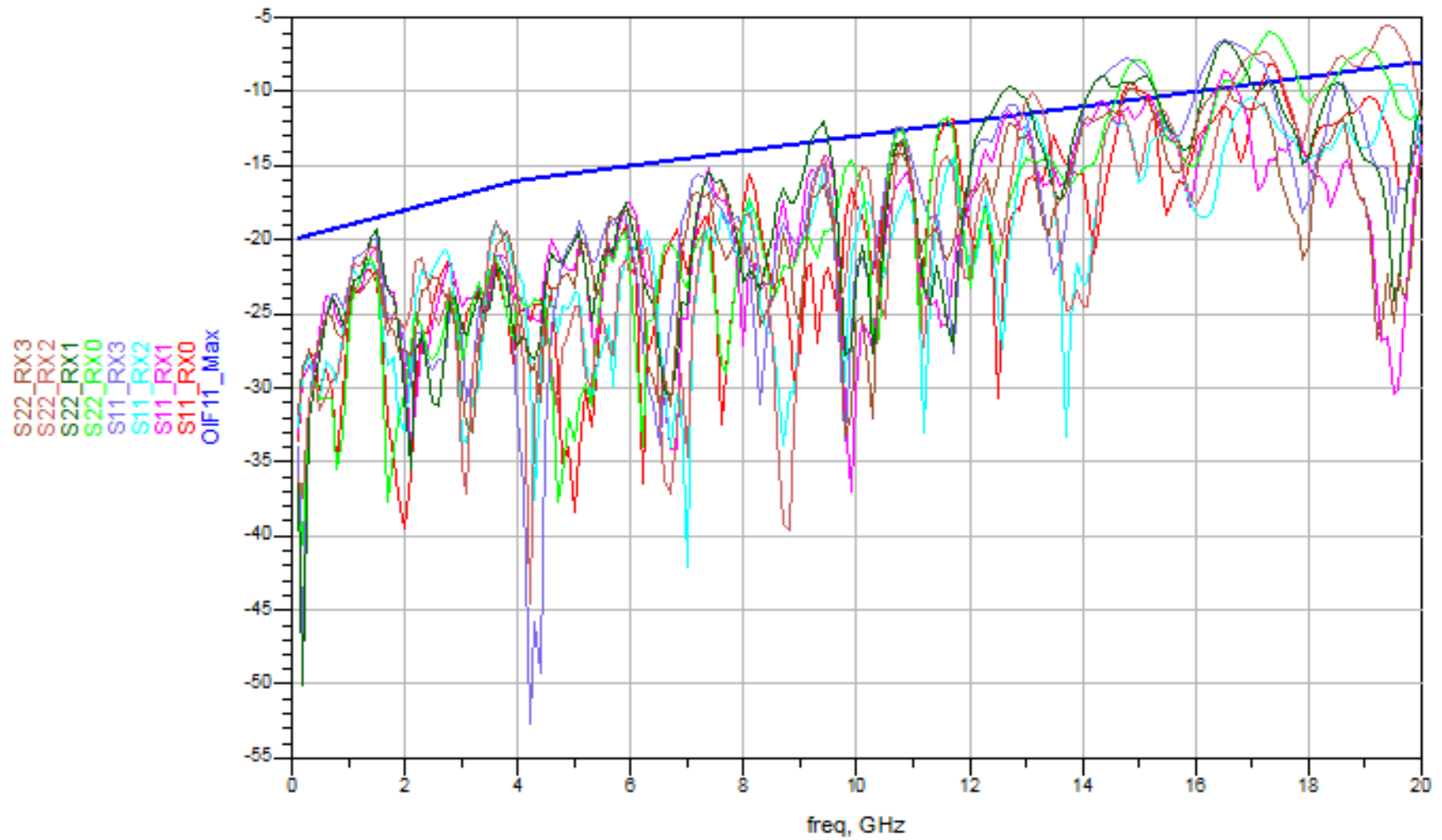
IEEE 802.3bj/MSQS-2/OIF-CEI3.1 RL

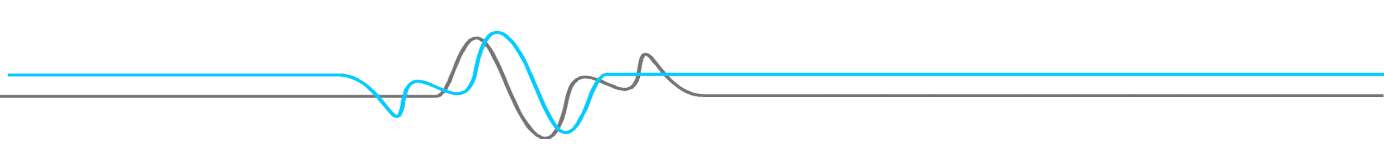




# Return Loss – RX

IEEE 802.3bj/MSQS-2/OIF-CEI3.1 RL

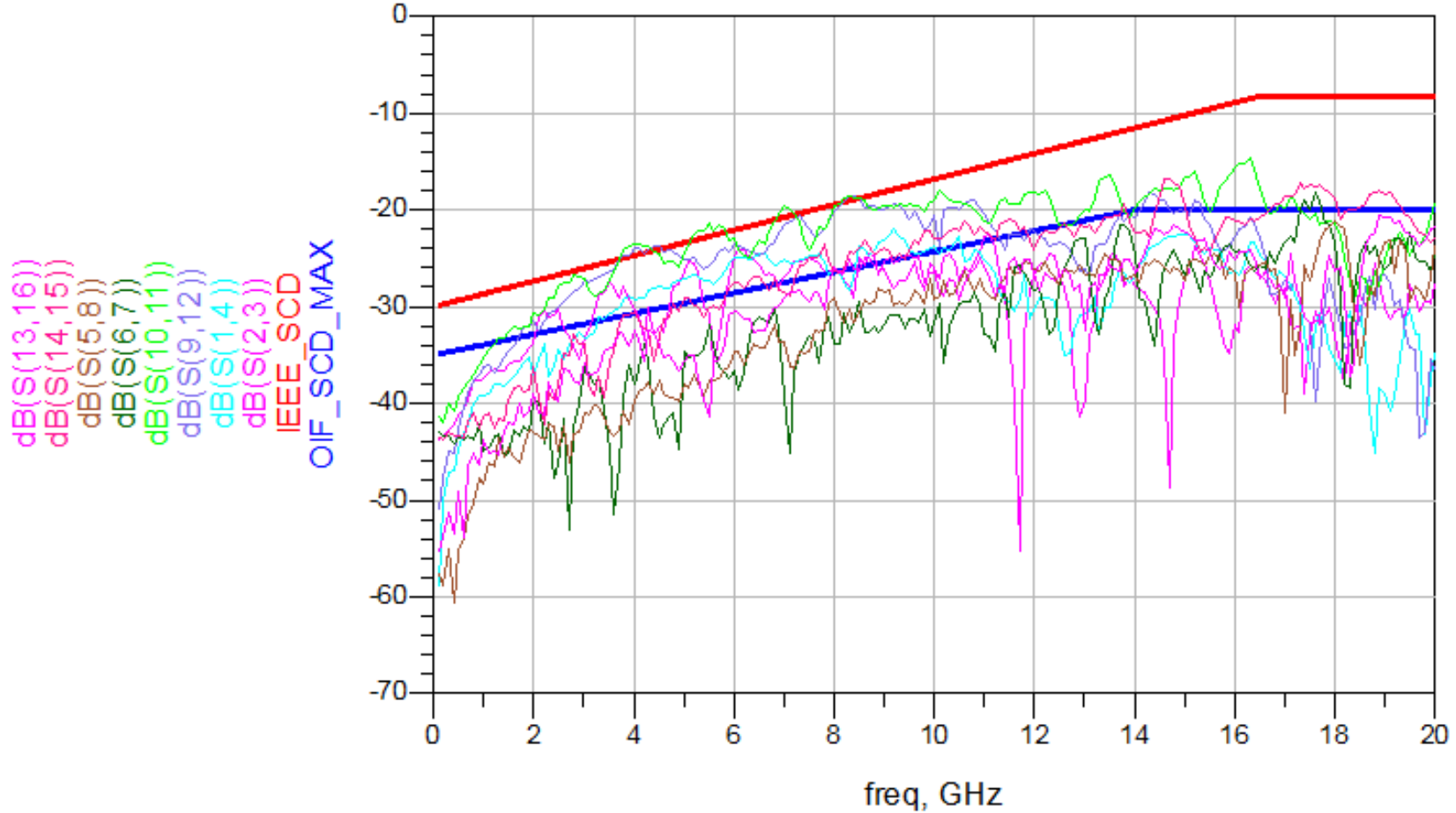


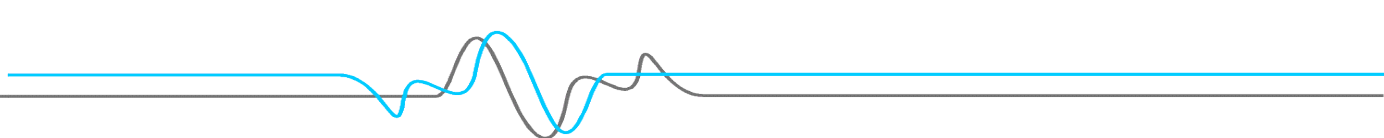


# Differential to common mode conversion - TX

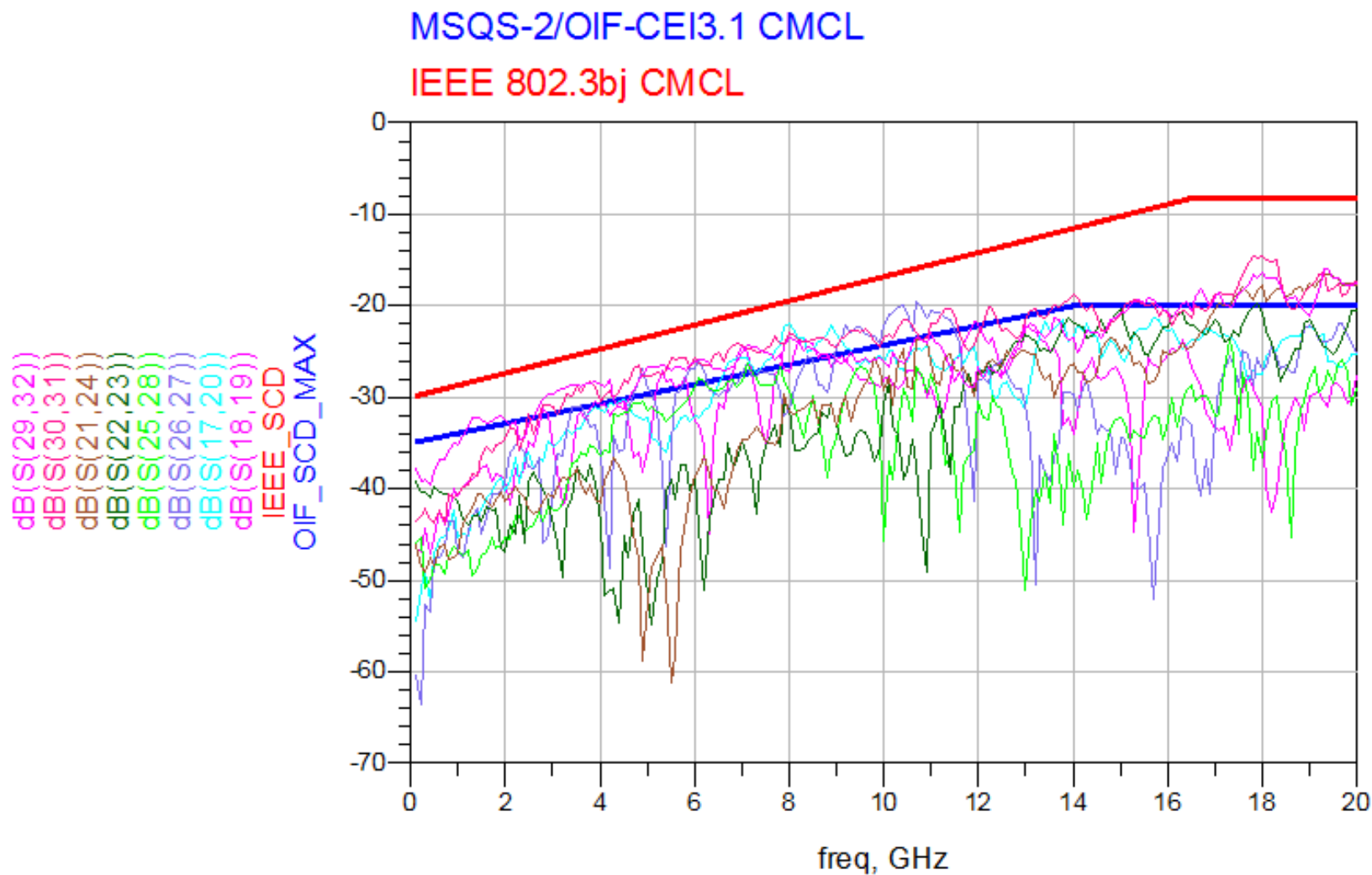
MSQS-2/OIF-CEI3.1 CMCL

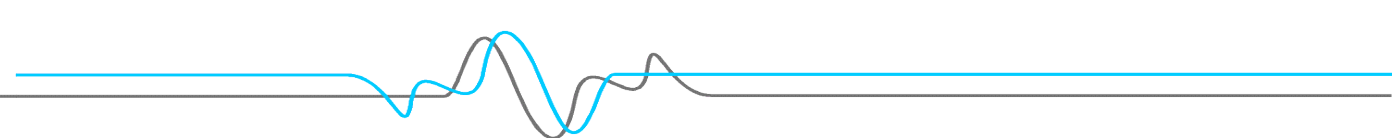
IEEE 802.3bj CMCL





## Differential to common mode conversion - RX

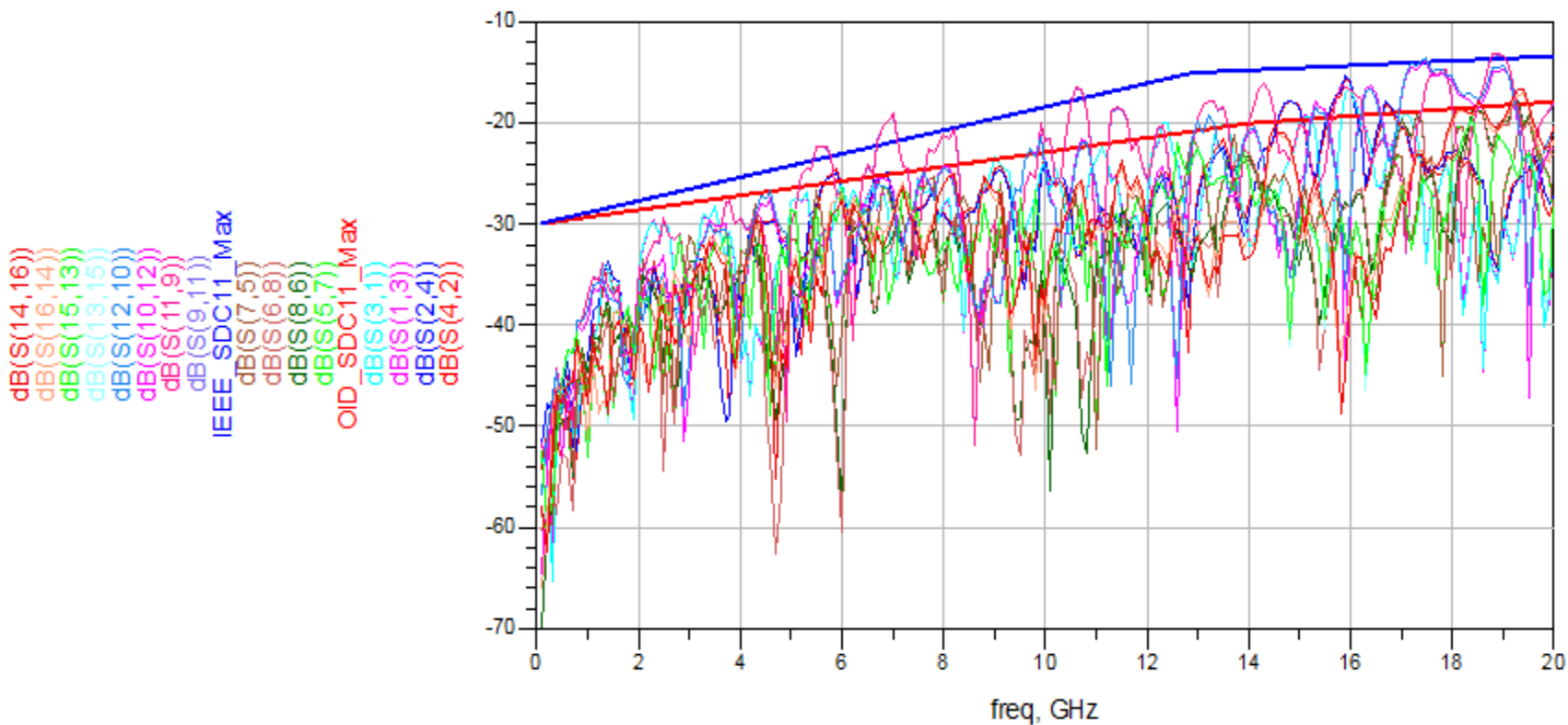




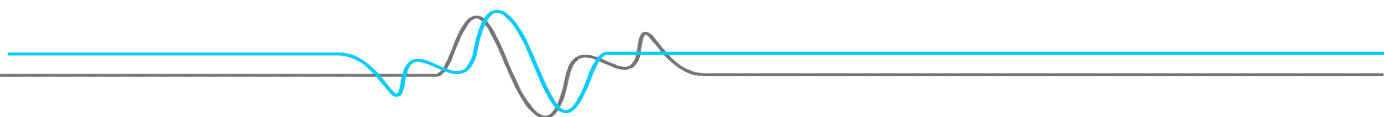
# Differential to common mode return loss - TX

IEEE 802.3bj CM to DM RL

MSQS-2/OIF-CEI3.1 CM to DM RL







## Differential to common mode return loss - RX

IEEE 802.3bj CM to DM RL

MSQS-2/OIF-CEI3.1 CM to DM RL

