Receiver Desensitization Interference Study

Status:

24 July 2007

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IM3 Testing (1)

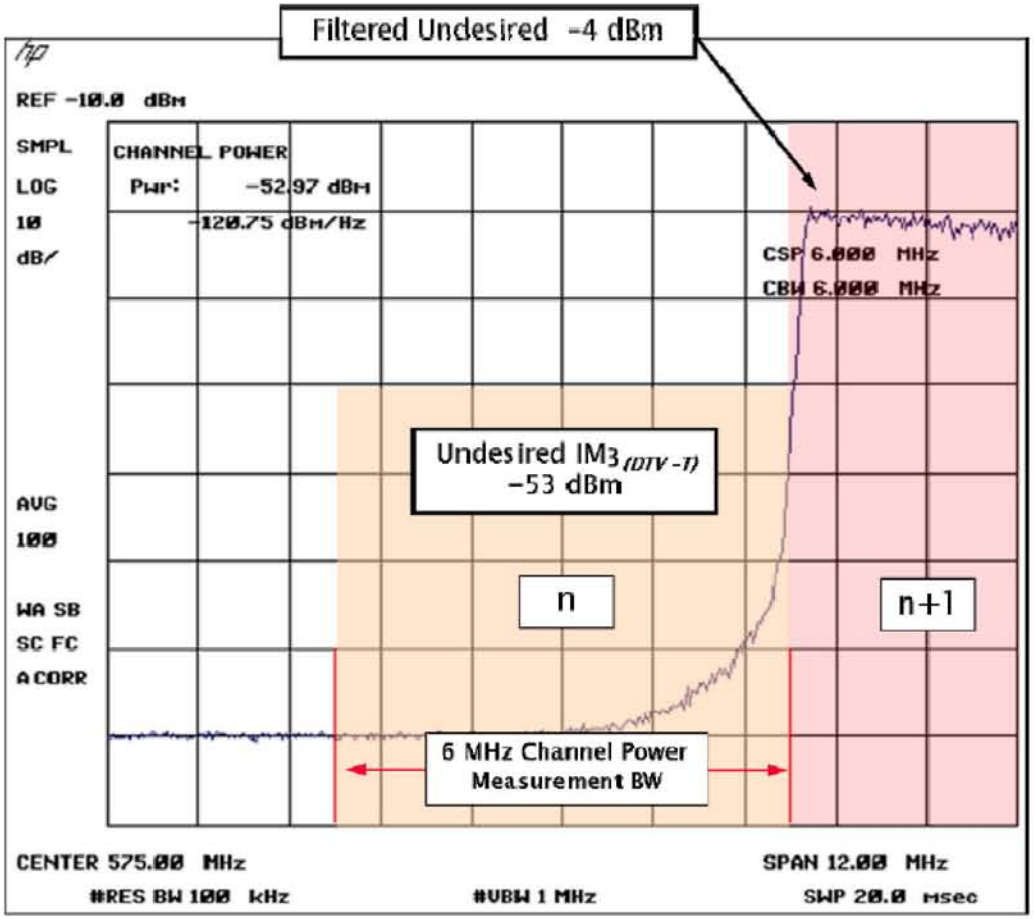

Figure 15: IM3 (DTV-T) Level Present in Desired Channel n

Undesired Signal at n+1; Minimum IM3 (DTV-T) Configuration

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IM3 Testing (2)

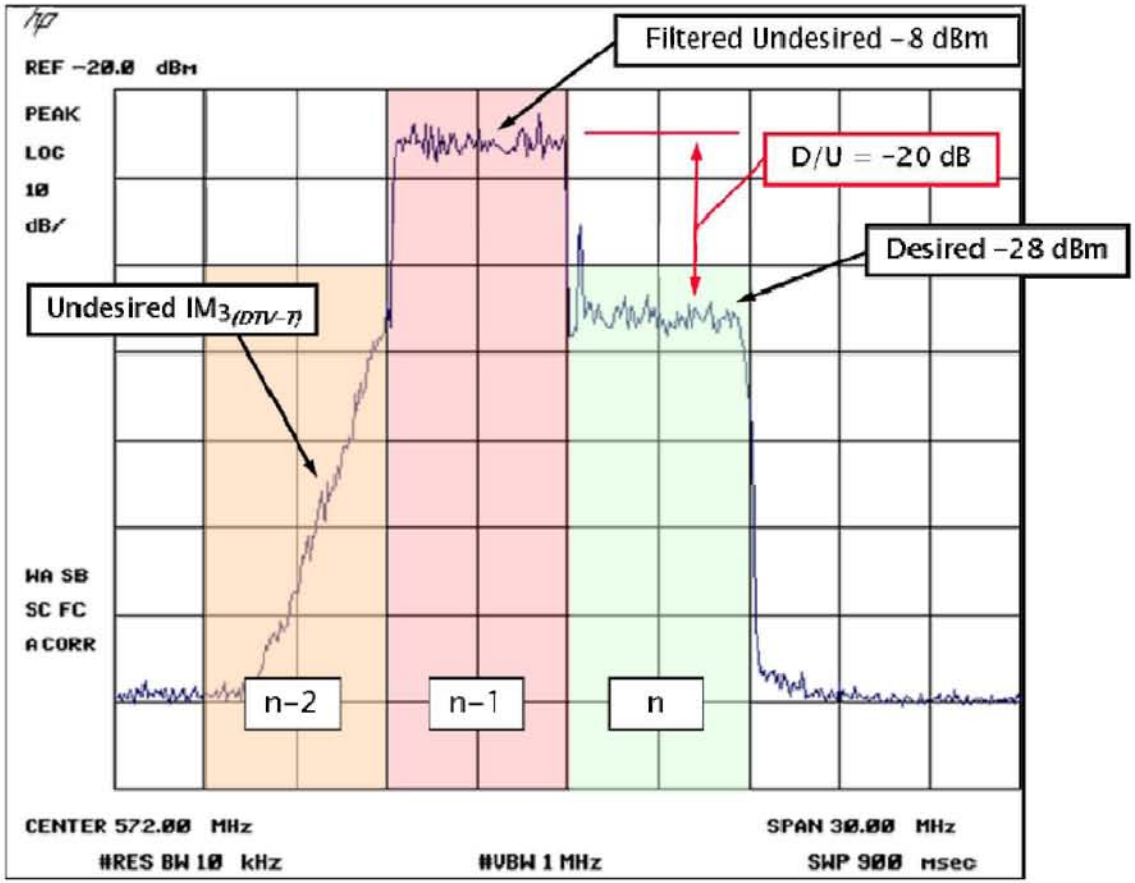
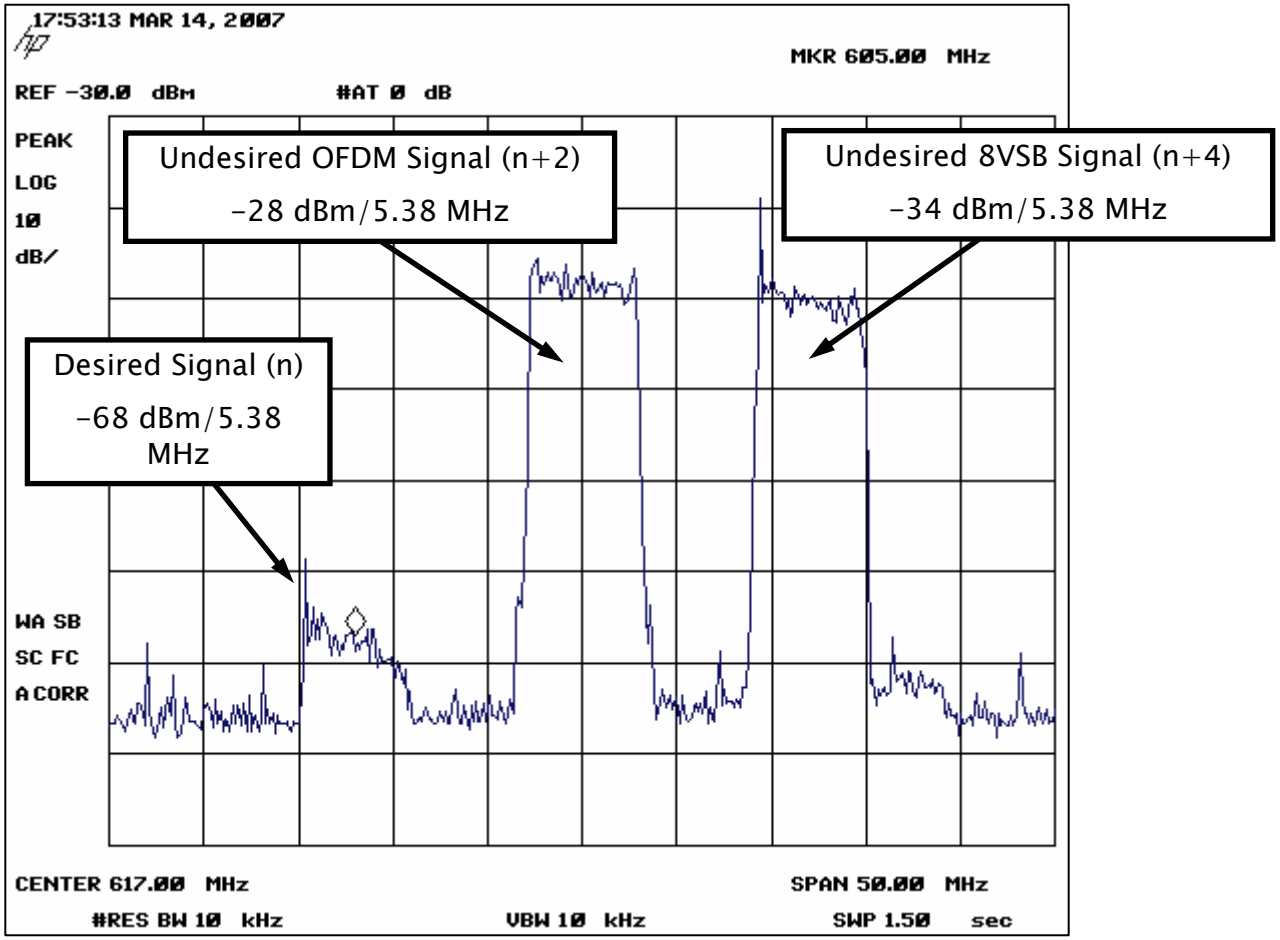
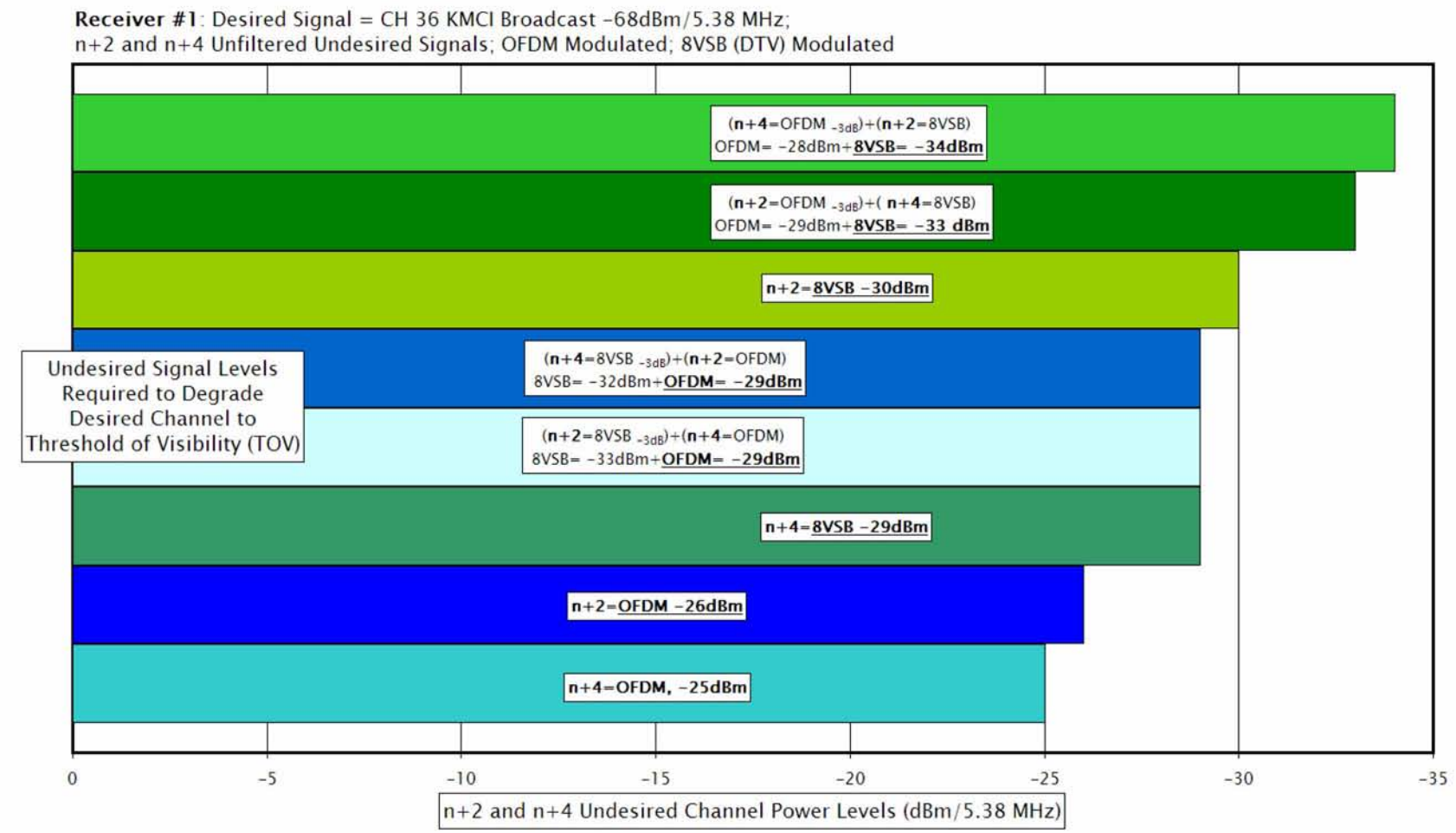


Figure 16: n= -28 dBm; Undesired Signal at n-1; Significant $IM_{3\,(DTV\text{-}T)}$ Configuration

IM3 Testing (n+2, n+4)



Preliminary IM3 Data – OFDM and 8VSB Modulation Compared



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IM3 Testing (n+2, n+4) Results

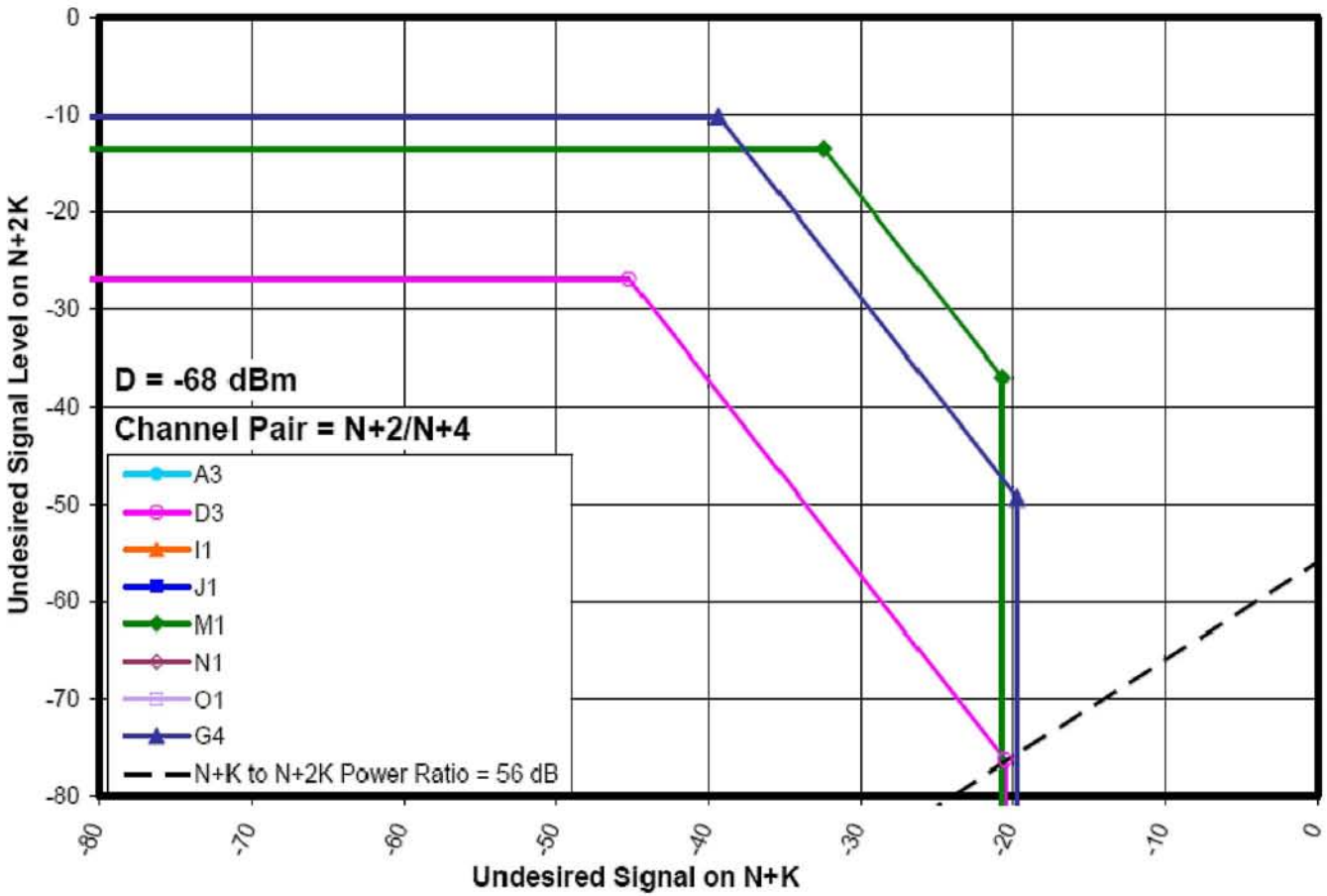

Figure 14-6. Model Plot for "Plateau IM3" On Receiver D3 at D = -68 dBm with N+2/N+4

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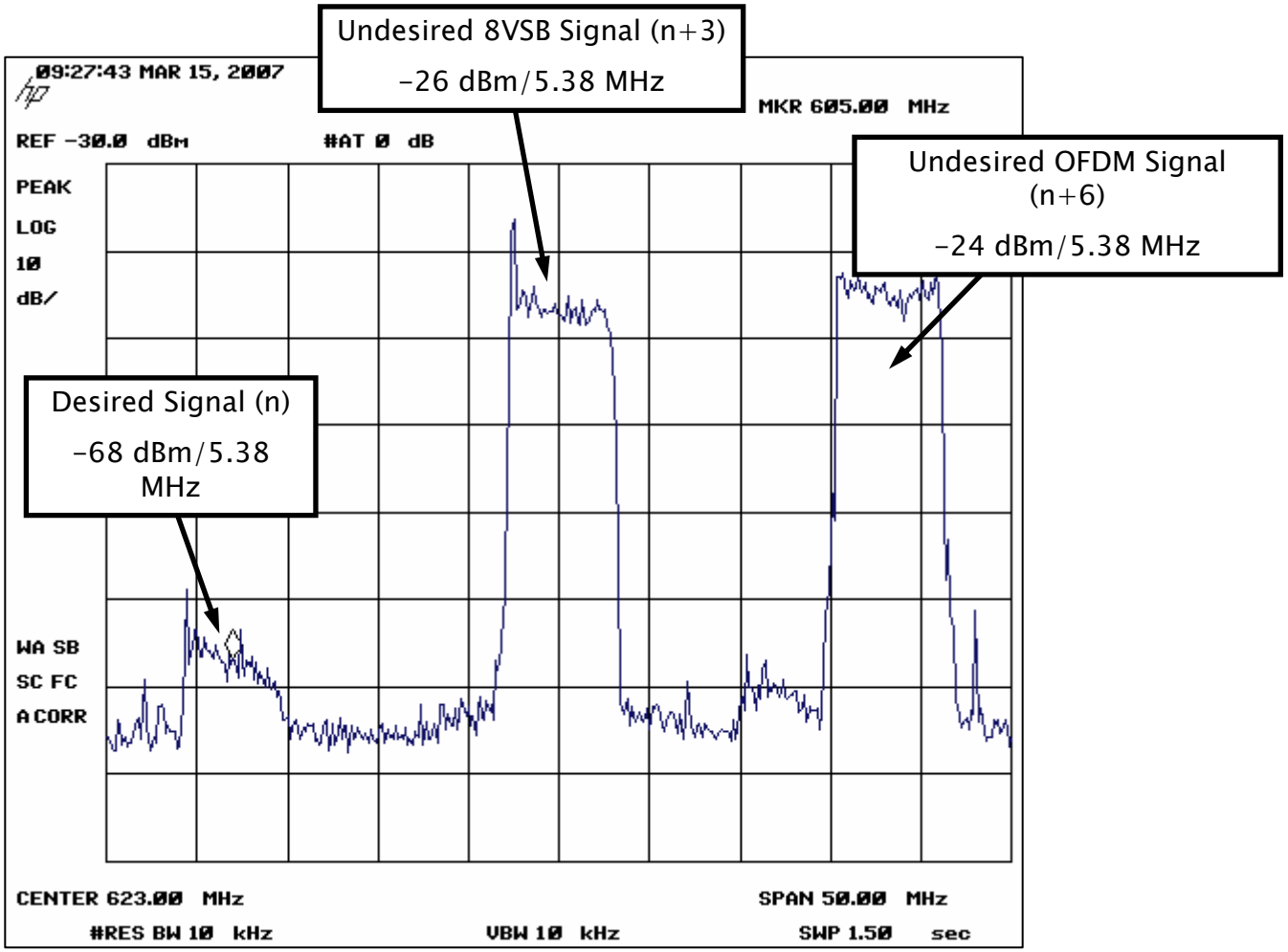
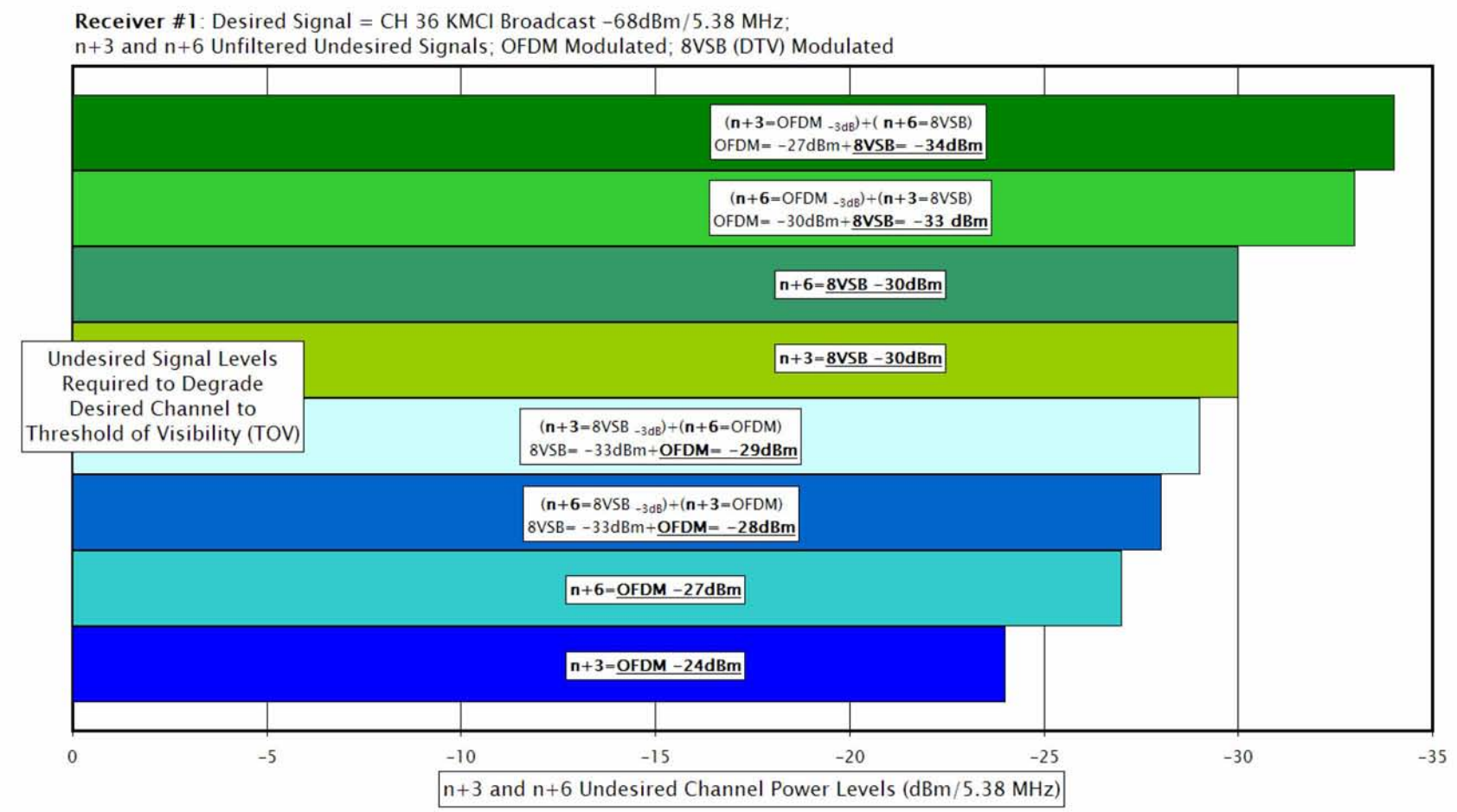
IM3 Testing (n+3, n+6)



Preliminary IM3 Data – OFDM and 8VSB Modulation Compared



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IM3 Testing (n+3, n+6) Results

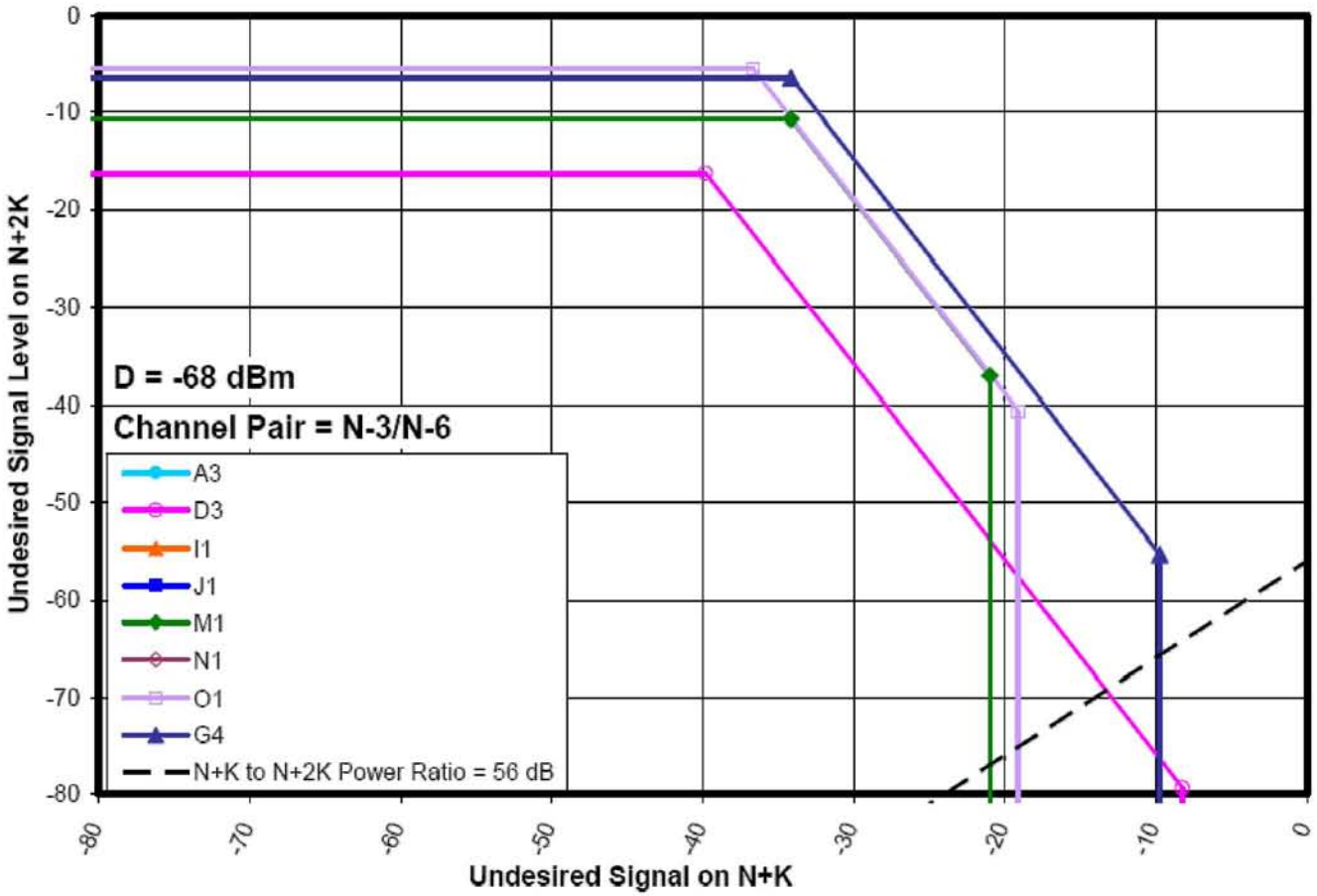

Figure 14-8. Model Plot for "Plateau IM3" On Receiver G4 at D =-68 dBm with N-3/N-6

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