# Information for resolving comments #21 and #19

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# Comment #21:

In Annex 93A most likely in 93A.1.6, say:

“When COM is used to define broad band noise used in interference tolerance test:”

Then define

H_np= H_noise(f)*H_pkg * H_r(f) * H_ctl(f)

Where:

H_noise(f)  Is the measure S21 of path from Broad Band Noise output of Replica trace measured in mellitz_3bj_03b_0113 slide 9
H_package is the COM code computed package S21 as described in mellitz_3bj_01b_0113 slides 5-10

Let

Gain_noise = sqrt((integ(|H_np|^2) from 0 to fb/2)/(0.5*fb))

sigma_broad_band_noise=WGN * Gain_noise

sigma_G=sqrt(sqrt((A_s*sigma_RJ)^2 + sigma_r^2 + sigma_noise^2))

# Comment #21 (continued):

When annex 93A is used to calibrate COM for interference tolerance use:
σRJ = RJRMS_actual
ADD = 0.5 * Djpeak-peak_actual

In lieu of the specified values, where the values subscripted “actual” Are measured values for the transmitter used in the test.

# Comment #19:

The noise, measured at TP5A, due to the test channel Gaussian white noise source has a crest factor at least 4. The noise spectral density in dB has limits:

NSD < average NSD + 3 dB  1 GHz < f < fb/2
NSD > average NSD - 3 dB*(f/fb)  1 GHz < f < fb/2

The added white Gausian noise is the RMS value of the noise over the frequency range from 0 to fb/2.