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Decision Rule for making Statements of Conformity

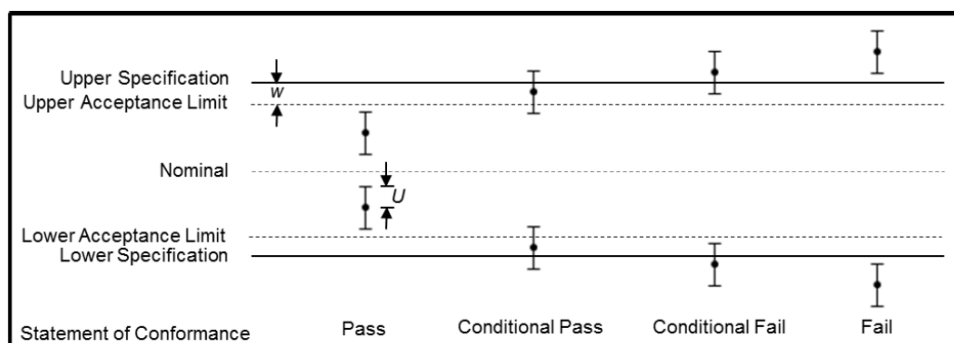
Non-binary Statement with Guard Band
 Statements of conformity are reported as:

Pass - the measured result is below the acceptance limit, $AL = TL - w$.

Conditional Pass - the measured result is inside the guard band and below the tolerance limit, in the interval $[TL - w, TL]$. This is indicated on Rohde & Schwarz Data Reports as a UGB1.

Conditional Fail - the measured result is above the tolerance limit but below the tolerance limit added to the guard band, in the interval $[TL, TL + w]$. This is indicated on Rohde & Schwarz Data Reports as a UGB2.

- Fail - the measured result is above the tolerance limit added to the guard band, $TL + w$.



$U = 95\%$ expanded measurement uncertainty

Figure 5 Graphical representation of a non-Binary statement with a guard band (shown for $w = U$)

Source: ILAC Guidelines on Decision Rules and Statements of Conformity, ILAC-G8:09/2019, § 4.2.3 (p.10) *Non-binary Statement with Guard Band*

NOTE: Conditional Pass and Conditional Fail are documented as UGB1 and UGB2 on Rohde & Schwarz documents.