OOXML w:u (underline) tester covering all ST\_Underline values, style- and linked-style-driven underlines, and inline overrides. Some samples include spaces to show the 'words' underline variant.

A) ST\_Underline w:u@val variants:

- w:u w:val='single': Sample text with spaces

- w:u w:val='words': Sample text with spaces

- w:u w:val='double': Sample text with spaces

- w:u w:val='thick': Sample text with spaces

- w:u w:val='dotted': Sample text with spaces

- w:u w:val='dottedHeavy': Sample text with spaces

- w:u w:val='dash': Sample text with spaces

- w:u w:val='dashedHeavy': Sample text with spaces

- w:u w:val='dashLong': Sample text with spaces

- w:u w:val='dashLongHeavy': Sample text with spaces

- w:u w:val='dotDash': Sample text with spaces

- w:u w:val='dashDotHeavy': Sample text with spaces

- w:u w:val='dotDotDash': Sample text with spaces

- w:u w:val='dashDotDotHeavy': Sample text with spaces

- w:u w:val='wave': Sample text with spaces

- w:u w:val='wavyHeavy': Sample text with spaces

- w:u w:val='wavyDouble': Sample text with spaces

- w:u w:val='none': Sample text with spaces

B) rStyle-only (character style rPr defines underline, no inline <w:u>):

- rStyle='SD\_UnderlineSingleChar' => expect single underline: Styled underline (single)

- rStyle='SD\_UnderlineDoubleChar' => expect double underline: Styled underline (double)

- rStyle='SD\_UnderlineNoneChar' => expect no underline: Styled underline (none)

C) rStyle + inline <w:u> combinations (inline overrides style):

- rStyle='SD\_UnderlineSingleChar' + w:u='none' => expect NOT underlined: Style single, inline none cancels

- rStyle='SD\_UnderlineNoneChar' + w:u='wavyDouble' => expect wavy double: Style none, inline wavyDouble applies

- rStyle='SD\_UnderlineDoubleChar' + w:u='dash' => expect dashed: Style double, inline dash wins

D) Linked style pair (paragraph+character) demonstrations:

- rStyle='SD\_LinkedUnderlineHeadingChar' (character side) => expect single underline: Linked Char style applied to run

- rStyle='SD\_LinkedUnderlineHeadingChar' + w:u='none' => expect NOT underlined: Linked Char style overridden off

- pStyle='SD\_LinkedUnderlineHeading' + inline 'dashLongHeavy' on part of the line: This part should be dashLongHeavy

E) Underline color/theme examples:

- w:u w:val='single' w:color='FF0000' (red underline): Red underline sample

- w:u w:val='wave' w:themeColor='accent1' (theme-based underline color): Theme-colored wave underline sample

Table examples (varied underline styles):

|  |  |
| --- | --- |
| w:u='thick' | Thick underline |
| rStyle='SD\_UnderlineDoubleChar' + inline 'none' | Should NOT be underlined |