IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CID 2708 | | | | |
| Date: 06/03/2019 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Sigurd Schelstraete | Quantenna Communications | 1704 Automation Parkway, San Jose CA 95131,  USA |  | sigurd@quantenna.com |
|  |  |  |  |  |

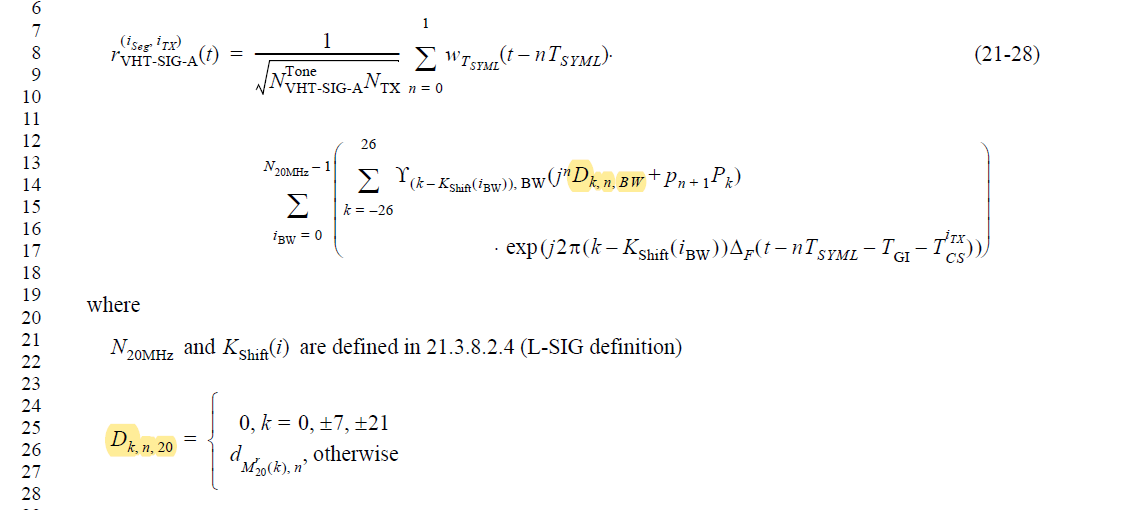
Abstract

This document discusses CID 2708.

# Introduction

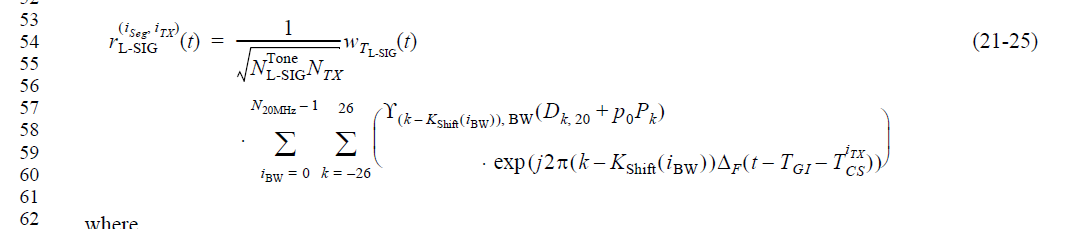
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 2708 | 21.3.8.3.3 | 3158 | 14 | D\_k,n,BW in eq.(21-28) seems to be a mistake for D\_k,n,20 as in Line 26. D\_k in VHT-SIG-A is duplicated over every 20 MHz. | Replace D\_k,n,BW with D\_k,n,20. |

# Discussion



The comment is about the notation *Dk,n,BW* used in (21-28) as highlighted above. The subscript “BW” may imply that the values depend on the full BW of the PPDU. However, as pointed out by the commenter, VHT-SIG-A is sent in “duplicate” format, where each 20 MHz within the BW is modulated with the same values. Moreover, on line 26, reference is made to *Dk,n,20* instead of *Dk,n,BW*.

This can for instance be compare with the expression for L-SIG, which is repeated over 20 MHz segments in similar fashion:



Here, “20” is used as subscript instead of “BW”.

# Proposed resolution

The comment appears correct.

Propose to accept the comment and resolve with the resolution proposed by the commenter.