IEEE P802.11
Wireless LANs

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|  CID 4467 Spatial Mapping |
| Date: 2019-3-11 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Hiroyuki Motozuka | Panasonic | 600 Saedo-cho, Tsuzuki-ku, Yokohama, Kanagawa, Japan |  | motozuka.hiroyuki@jp.panasonic.com |
| Takenori Sakamoto |  |  | sakamoto.takenori@jp.panasonic.com |
| Yutaka Murakami |  |  | murakami.ytk@jp.panasonic.com |
| Lei Huang |  |  | lei.huang@sg.panasonic.com |
| Gaius Wee |  |  | yaohuang.wee@sg.panasonic.com |
| Kazu Takahashi |  |  | takahashi.kazu@jp.panasonic.com |

Abstract

This submission proposes resolution of comments on clause 29 received from LB# 239 (TGay Draft 3.0).

1 CIDs: 4467

Revision history:

r0 initial

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Proposed Resolution** |
| 4467 | 29.6.3.1 | 538.13 | there are several spatial mapping methods specified for OFDM PPDU transmission. Indication for for the receiver on which spatial mapping method is used at the transmitter is missing. The receiver would have such information for combining. | Clarify the transmission of inidcation on spatial mapping methods. | **Rejected** |

**Discussion**

It is specified that spatial mappers expected here are subcarrier basis, and performed with linear transformation as shown in 29.6.10.2. The assumption is that the receiver can perform channel estimation to obtain the channel matrix combined with the spatial mapping matrix for decoding/combining. So we don’t think an indication for the type of spatial mapping needs to be defined.

**Straw Poll:**

* **Do you agree to accept the comment resolution for CIDs** 4467 **in 19/0432r0?**

**References**

[1] Draft P802.11ay D3.0