**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **D3 Comments Resolution Based MAC PIB Attributes Revision** | |
| Date Submitted | August, 2017 | |
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| Re: | MAC PIB attributes specification revision to Use of over-the-air PHY frame configuration is forbidden for PHY types IV, V and VI | |
| Abstract | Details of Resolutions regarding to the submitted Comments on D3 are suggested for MAC PIB Attributes Specification Revision to use of over-the-air PHY frame configuration is forbidden for PHY types IV, V and VI. The proposed method is designed to operate on the application services like LED ID using Color/QR Code, etc, LBS, Emergency EXIT Signage, LiFi/CamCom, LED-IT and Digital Signage with Advertisement Information etc. | |
| Purpose | D3 Comments Resolutions and Editorial Revision. | |
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**I. PHY TYPE IV MAC PIB Attributes**

# **1. MAC PIB Attributes for Offset-VPWM**

The MAC PIB attributes for Offset-VPWM is presented in the Table 97 - MAC PIB attributes (continued for Offset-VPWM).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute** | **Identifier** | **Type** | **Range** | **Description** | **Default** |
| macOffsetVPWMDataUsage | 0x81 | Unsigned | 0-255 | This attribute indicates the type of data transmitted using Flash Light Transmitter.  0 : LED ID without IP address  1 : LED ID with IP address  3 : Authentication Data | 0 |

Table 97 - MAC PIB attributes (continued for OffsetVPWM)

**II. PHY TYPE VI MAC PIB Attributes**

# **1. MAC PIB Attributes for VTASC, SS2DC, IDE**

The MAC PIB attributes for VATSC, SS2DC, and IDE is presented in the Table 97 - MAC PIB attributes (continued for VTASC, SS2DC, and IDE).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute** | **Identifier** | **Type** | **Range** | **Description** | **Default** |
| Mac2DCODETxDataType | 0x94 | Unsigned | 0-255 | This attribute indicates the type of data to be transmitted.  0 : Normal Data (Media Content, Information Content based on the Application its used)  1 : LED ID Data  2 : Authentication Data | 0 |
| macMPDULength | 0x95 | Integer | 0-65535 | This attribute specify the length of the data to be transmitted | 1 |

Table 97 - MAC PIB attributes (continued for VTASC, SS2DC, and IDE)