**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **Frequency Band Layout** | |
| Date Submitted | [16 Jan, 2020] | |
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| Re: | Task Group 802.15.16t Requirements Discussion | |
| Abstract | Frequency Band Layout for Sample Frequencies | |
| Purpose | Facilitate discussion of System Level Requirements for 802.16t | |
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| **Frequency Band** | **450 to 470MHz** |
| **Defined Channel widths** | **6.25, 12.5KHz,25KHz** |
| **Std. TX / RX Offset of Mobile Tx** | **+5 MHz** |
| **Stacking sheme of duplex channel pairs** | **450.0125/455.0125--->454.9875/459.9875;460.0125/465.0125------>464.9875/469.9875** |
|  |  |
| **Frequency Band** | **150 to 174MHz** |
| **Defined Channel widths** | **6.25, 12.5KHz,25KHz** |
| **Std. TX / RX Offset of Mobile Tx** | **None** |
| **Stacking sheme of duplex channel pairs** | **None** |
|  |  |
| **Frequency Band** | **806 to 817, and 851-866MHz** |
| **Defined Channel widths** | **6.25?,12.5KHz,25KHz** |
| **Std. TX / RX Offset of Mobile Tx** | **-45MHz** |
| **Stacking sheme of duplex channel pairs** | **a standard 10 channel block 851.0125/806.0125;852.0125/807.0125, 853.0125/808.0125, etc.and then then next 10 channel block 851.0375/806.0375;852.0375/807.0375,853.0375/808.0375, etc** |
|  |  |
| **Frequency Band** | **896 to 901, and 935-940MHz** |
| **Defined Channel widths** | **12.5KHz** |
| **Std. TX / RX Offset of Mobile Tx** | **-39MHz** |
| **Stacking sheme of duplex channel pairs** | **a standard 10 channel block 935.00625/896.00625;935.01875/896.01875, 935.03125/896.03125 etc.and then then next 10 channel block 935.13125/896.13125, 935.14375/896.14375** |
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| **Frequency Band** | **952-953, and 928-929MHz** |
| **Defined Channel widths** | **12.5KHz** |
| **Std. TX / RX Offset of Remote Tx** | **-24MHz** |
| **Stacking sheme of duplex channel pairs** | **952.00625/928.00625, 952.01875/928.01875, etc.** |