**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **Resolution for Sponsor Ballot Comments 100 and 102** | |
| Date Submitted | 16th January 2013 | |
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| Abstract | New tables for LECIM PHYs | |
| Purpose | Resolving sponsor ballot comments | |
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**8.1.1 Operating Frequency Range**

***Change the first paragraph***

A compliant device shall operate in one or several frequency bands summarized in table 66, table 66a and table 66b. Table 66a shows frequency bands for devices supporting LECIM DSSS PHY and Table 66b shows frequency bands for devices supporting LECIM FSKPHY

**Table 66a Operating frequency ranges for LECIM DSSSPHY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Band identifier | Frequency  Range (MHz) | Bandwidth  (KHz) | Modulation | Chip Rate  (kchips/s) |
| 470 | 470-510 | 100 | BPSK/OQPSK | 100 |
| 780 | 779-787 | 1000 | BPSK/OQPSK | 1000 |
| 863 | 863-780 | 100 | BPSK/OQPSK | 100 |
| 915 | 902-928 | 200 | BPSK/OQPSK | 200 |
| 400 | 400 |
| 600 | 600 |
| 800 | 800 |
| 1000 | 1000 |
| 1000 | OQPSK | 2000 |
| 922 | 915-928 | 200 | BPSK/OQPSK | 200 |
| 400 | 400 |
| 600 | 600 |
| 800 | 800 |
| 1000 | 1000 |
| 917 | 917.1-923.5 | 200 | BPSK/OQPSK | 200 |
| 400 | 400 |
| 600 | 600 |
| 800 | 800 |
| 1000 | 1000 |
| 920 | 920-928 | 200 | BPSK/OQPSK | 200 |
| 400 | 400 |
| 600 | 600 |
| 800 | 800 |
| 1000 | 1000 |
| 921 | 915-928 | 200 | BPSK/OQPSK | 200 |
| 400 | 400 |
| 600 | 600 |
| 800 | 800 |
| 1000 | 1000 |
| 2450 | 2400-2485.5 | 1000 | BPSK/OQPSK | 1000 |
| 2000 | 2000 |

**Table 66b Operating frequency ranges for LECIM FSK PHY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Band identifier | Frequency  Range (MHz) | Bandwidth  (KHz) | Modulation | Bit Rate  (kbits/s) |
| 169 | 169.400-169.475 | 25 | FSK/GFSK/  P-FSK/P-GFSK | 25 |
| 12.5 | 12.5 |
| 433 | 433.050-434.790 | 37.5 | FSK/GFSK/  P-FSK/P-GFSK | 37.5 |
| 25 | 25 |
| 12.5 | 12.5 |
| 470 | 470-510 | 37.5 | FSK/GFSK/  P-FSK/P-GFSK | 37.5 |
| 25 | 25 |
| 12.5 | 12.5 |
| 780 | 779-787 | 37.5 | FSK/GFSK/  P-FSK/P-GFSK | 37.5 |
| 25 | 25 |
| 12.5 | 12.5 |
| 863 | 863-780 | 37.5 | FSK/GFSK/  P-FSK/P-GFSK | 37.5 |
| 25 | 25 |
| 12.5 | 12.5 |
| 915 | 902-928 | 37.5 | FSK/GFSK/  P-FSK/P-GFSK | 37.5 |
| 25 | 25 |
| 12.5 | 12.5 |
| 922 | 915-928 | 37.5 | FSK/GFSK/  P-FSK/P-GFSK | 37.5 |
| 25 | 25 |
| 12.5 | 12.5 |
| 917 | 917.1-923.5 | 37.5 | FSK/GFSK/  P-FSK/P-GFSK | 37.5 |
| 25 | 25 |
| 12.5 | 12.5 |
| 920 | 920-928 | 37.5 | FSK/GFSK/  P-FSK/P-GFSK | 37.5 |
| 25 | 25 |
| 12.5 | 12.5 |
| 921 | 921-928 | 37.5 | FSK/GFSK/  P-FSK/P-GFSK | 37.5 |
| 25 | 25 |
| 12.5 | 12.5 |