**COMP9336 Mobile Data Networking - Lab 4**

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1. **Graph**

图表

描述已自动生成

*Figure 1. RSS Distribution with Obstacles in 2.4GHz*

*图表

描述已自动生成*

*Figure 2. RSS Distribution with Obstacles in 5GHz*

1. **Table**

|  |  |  |
| --- | --- | --- |
| Obstacles | Average Received Signal Strength (dBm) | |
| 2.4GHz | 5Ghz |
| without obstacle | 38.9 | 29.8 |
| pillow | 37.7 | 27.7 |
| box | 34.9 | 26.7 |
| standing human | 33.3 | 20.5 |

*Table 1. Average RSS Distribution with Obstacles*

1. **Commentary**

Through the violin chart and table above, I found that different obstacles have different effects on Wi-Fi signal strength. In addition, compared with 2.4GHz, 5GHz has weaker obstacle penetration capability.