

# RF TX/RX performance table

| SonicPoint ACi      |          |                |          |                |
|---------------------|----------|----------------|----------|----------------|
|                     | Radio 1  |                | Radio 2  |                |
|                     | 2.4 GHz  |                | 5 GHz    |                |
|                     | Tx Power | Rx Sensitivity | Tx Power | Rx Sensitivity |
|                     | (dBm)    | (dBm)          | (dBm)    | (dBm)          |
| <b>802.11b</b>      |          |                |          |                |
| 1 Mbps              | 18       | -90            | -        | -              |
| 2 Mbps              | 18       | -89            | -        | -              |
| 5.5 Mbps            | 18       | -88            | -        | -              |
| 11 Mbps             | 18       | -87            | -        | -              |
| <b>802.11a/g</b>    |          |                |          |                |
| 6 Mbps              | 18       | -85            | 20       | -83            |
| 9 Mbps              | 18       | -82            | 20       | -81            |
| 12 Mbps             | 18       | -79            | 20       | -78            |
| 18 Mbps             | 18       | -75            | 20       | -75            |
| 24 Mbps             | 18       | -74            | 20       | -74            |
| 36 Mbps             | 17       | -73            | 20       | -73            |
| 48 Mbps             | 16       | -71            | 20       | -71            |
| 54 Mbps             | 15       | -70            | 19       | -70            |
| <b>802.11n HT20</b> |          |                |          |                |
| MCS 0/8/16          | 17       | -85            | 20       | -83            |
| MCS 1/9/17          | 17       | -84            | 20       | -81            |
| MCS 2/10/18         | 17       | -81            | 20       | -77            |
| MCS 3/11/19         | 17       | -78            | 20       | -74            |
| MCS 4/12/20         | 16       | -75            | 20       | -73            |
| MCS 5/13/21         | 15       | -71            | 20       | -72            |
| MCS 6/14/22         | 14       | -70            | 19       | -71            |
| MCS 7/15/23         | 14       | -68            | 19       | -69            |
| <b>802.11n HT40</b> |          |                |          |                |
| MCS 0/8/16          | 17       | -83            | 20       | -80            |
| MCS 1/9/17          | 17       | -82            | 20       | -79            |
| MCS 2/10/18         | 17       | -79            | 20       | -77            |
| MCS 3/11/19         | 17       | -75            | 20       | -74            |
| MCS 4/12/20         | 16       | -72            | 20       | -71            |
| MCS 5/13/21         | 15       | -69            | 20       | -69            |
| MCS 6/14/22         | 14       | -67            | 19       | -68            |
| MCS 7/15/23         | 14       | -65            | 19       | -66            |

## SonicPoint ACi

|                       | Radio 1  |                | Radio 2  |                |
|-----------------------|----------|----------------|----------|----------------|
|                       | 2.4 GHz  |                | 5 GHz    |                |
|                       | Tx Power | Rx Sensitivity | Tx Power | Rx Sensitivity |
|                       | (dBm)    | (dBm)          | (dBm)    | (dBm)          |
| <b>802.11ac VHT20</b> |          |                |          |                |
| MCS 0 1SS/2SS/3SS     | -        | -              | 20       | -83            |
| MCS 1 1SS/2SS/3SS     | -        | -              | 20       | -81            |
| MCS 2 1SS/2SS/3SS     | -        | -              | 20       | -77            |
| MCS 3 1SS/2SS/3SS     | -        | -              | 20       | -74            |
| MCS 4 1SS/2SS/3SS     | -        | -              | 20       | -73            |
| MCS 5 1SS/2SS/3SS     | -        | -              | 20       | -72            |
| MCS 6 1SS/2SS/3SS     | -        | -              | 19       | -71            |
| MCS 7 1SS/2SS/3SS     | -        | -              | 19       | -69            |
| MCS 8 1SS/2SS/3SS     | -        | -              | 17       | -63            |
| <b>802.11ac VHT40</b> |          |                |          |                |
| MCS 0 1SS/2SS/3SS     | -        | -              | 20       | -80            |
| MCS 1 1SS/2SS/3SS     | -        | -              | 20       | -79            |
| MCS 2 1SS/2SS/3SS     | -        | -              | 20       | -77            |
| MCS 3 1SS/2SS/3SS     | -        | -              | 20       | -74            |
| MCS 4 1SS/2SS/3SS     | -        | -              | 20       | -71            |
| MCS 5 1SS/2SS/3SS     | -        | -              | 20       | -69            |
| MCS 6 1SS/2SS/3SS     | -        | -              | 19       | -68            |
| MCS 7 1SS/2SS/3SS     | -        | -              | 19       | -66            |
| MCS 8 1SS/2SS/3SS     | -        | -              | 17       | -63            |
| MCS 9 1SS/2SS/3SS     | -        | -              | 15       | -59            |
| <b>802.11ac VHT80</b> |          |                |          |                |
| MCS 0 1SS/2SS/3SS     | -        | -              | 20       | -78            |
| MCS 1 1SS/2SS/3SS     | -        | -              | 20       | -77            |
| MCS 2 1SS/2SS/3SS     | -        | -              | 20       | -75            |
| MCS 3 1SS/2SS/3SS     | -        | -              | 20       | -71            |
| MCS 4 1SS/2SS/3SS     | -        | -              | 20       | -68            |
| MCS 5 1SS/2SS/3SS     | -        | -              | 20       | -67            |
| MCS 6 1SS/2SS/3SS     | -        | -              | 19       | -66            |
| MCS 7 1SS/2SS/3SS     | -        | -              | 19       | -64            |
| MCS 8 1SS/2SS/3SS     | -        | -              | 17       | -60            |
| MCS 9 1SS/2SS/3SS     | -        | -              | 15       | -56            |