

## 8.2 WIFI Output Power

### 8.2.1 WIFI2.4G Output Power

| WIFI2.4G-ANT11-Full Power |        |         |                 |                       |               |          |
|---------------------------|--------|---------|-----------------|-----------------------|---------------|----------|
| 2.4G                      | Mode   | Channel | Frequency (MHz) | Conducted Power (dBm) | Tune up (dBm) | SAR Test |
|                           | 11b    | 1       | 2412            | 11.95                 | 13.00         | Yes      |
|                           |        | 6       | 2437            | 12.04                 | 13.00         | Yes      |
|                           |        | 11      | 2462            | 12.76                 | 13.00         | Yes      |
|                           | 11g    | 1       | 2412            | 14.19                 | 15.00         | No       |
|                           |        | 2       | 2417            | 16.85                 | 17.00         | No       |
|                           |        | 6       | 2437            | 17.63                 | 18.00         | No       |
|                           |        | 8       | 2447            | 16.99                 | 17.00         | No       |
|                           |        | 9       | 2452            | 15.09                 | 16.00         | No       |
|                           |        | 10      | 2457            | 14.20                 | 15.00         | No       |
|                           |        | 11      | 2462            | 11.50                 | 12.00         | No       |
|                           |        | 11n20   | 1               | 2412                  | 13.29         | 14.00    |
|                           | 2      |         | 2417            | 16.82                 | 17.00         | No       |
|                           | 6      |         | 2437            | 17.69                 | 18.00         | No       |
|                           | 8      |         | 2447            | 16.99                 | 17.00         | No       |
|                           | 9      |         | 2452            | 14.59                 | 15.00         | No       |
|                           | 10     |         | 2457            | 13.66                 | 14.00         | No       |
|                           | 11n40  | 11      | 2462            | 10.39                 | 11.00         | No       |
|                           |        | 3       | 2422            | 13.24                 | 14.00         | No       |
|                           |        | 4       | 2427            | 13.89                 | 14.00         | No       |
|                           |        | 5       | 2432            | 12.83                 | 13.00         | No       |
|                           |        | 6       | 2437            | 11.87                 | 12.00         | No       |
|                           |        | 7       | 2442            | 9.42                  | 10.00         | No       |
|                           | VHT20  | 8       | 2447            | 8.59                  | 9.00          | No       |
|                           |        | 9       | 2452            | 8.65                  | 9.00          | No       |
|                           |        | 1       | 2412            | 14.68                 | 15.00         | No       |
|                           |        | 2       | 2417            | 15.84                 | 16.00         | No       |
|                           |        | 6       | 2437            | 16.52                 | 17.00         | No       |
|                           |        | 8       | 2447            | 16.08                 | 17.00         | No       |
|                           | VHT40  | 9       | 2452            | 14.15                 | 15.00         | No       |
|                           |        | 10      | 2457            | 13.12                 | 14.00         | No       |
|                           |        | 11      | 2462            | 11.01                 | 12.00         | No       |
|                           |        | 3       | 2422            | 14.78                 | 15.00         | No       |
|                           |        | 4       | 2427            | 13.34                 | 14.00         | No       |
|                           |        | 5       | 2432            | 12.91                 | 13.00         | No       |
|                           | 11ax20 | 6       | 2437            | 12.01                 | 13.00         | No       |
|                           |        | 7       | 2442            | 8.99                  | 9.00          | No       |
|                           |        | 8       | 2447            | 7.58                  | 8.00          | No       |
|                           |        | 9       | 2452            | 8.26                  | 9.00          | No       |
|                           |        | 1       | 2412            | 14.69                 | 15.00         | No       |
|                           |        | 6       | 2437            | 14.90                 | 15.00         | No       |
|                           | 11ax40 | 8       | 2447            | 14.27                 | 15.00         | No       |
|                           |        | 9       | 2452            | 13.29                 | 14.00         | No       |
|                           |        | 10      | 2457            | 12.33                 | 13.00         | No       |
|                           |        | 11      | 2462            | 10.30                 | 11.00         | No       |
|                           |        | 3       | 2422            | 14.33                 | 15.00         | No       |
| 4                         |        | 2427    | 13.02           | 14.00                 | No            |          |
| 5                         |        | 2432    | 12.58           | 13.00                 | No            |          |
| 6                         |        | 2437    | 11.75           | 12.00                 | No            |          |
| 7                         |        | 2442    | 9.23            | 10.00                 | No            |          |
| 8                         | 2447   | 8.26    | 9.00            | No                    |               |          |
| 9                         | 2452   | 8.93    | 9.00            | No                    |               |          |

Note:  
1) SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure.  
2) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.  
Adjusted SAR = 0.115 \* (63.10mW/19.95mW) = 0.364 W/Kg, so 2.4G OFDM SAR test is not required.

| WIFI2.4G-ANT11-Level1                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |         |                 |                       |               |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|-----------------|-----------------------|---------------|----------|
| 2.4G                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Mode   | Channal | Frequency (MHz) | Conducted Power (dBm) | Tune up (dBm) | SAR Test |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11b    | 1       | 2412            | 11.95                 | 13.00         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 12.04                 | 13.00         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 11      | 2462            | 12.76                 | 13.00         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11g    | 1       | 2412            | 12.75                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 2       | 2417            | 12.61                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 12.50                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 8       | 2447            | 12.50                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 9       | 2452            | 12.88                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 10      | 2457            | 12.47                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 11      | 2462            | 11.50                 | 12.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 1       | 2412            | 12.66                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11n20  | 2       | 2417            | 12.55                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 12.79                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 8       | 2447            | 12.88                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 9       | 2452            | 12.40                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 10      | 2457            | 12.48                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 11      | 2462            | 10.39                 | 11.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11n40  | 3       | 2422            | 12.48                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 4       | 2427            | 12.64                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 5       | 2432            | 12.83                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 11.87                 | 12.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 7       | 2442            | 9.42                  | 10.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 8       | 2447            | 8.59                  | 9.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | VHT20  | 9       | 2452            | 8.65                  | 9.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 1       | 2412            | 12.46                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 2       | 2417            | 12.55                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 12.79                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 8       | 2447            | 12.68                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 9       | 2452            | 12.62                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 10      | 2457            | 12.80                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | VHT40  | 11      | 2462            | 11.01                 | 12.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 3       | 2422            | 12.66                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 4       | 2427            | 12.62                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 5       | 2432            | 12.91                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 12.01                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 7       | 2442            | 8.99                  | 9.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 8       | 2447            | 7.58                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11ax20 | 9       | 2452            | 8.26                  | 9.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 1       | 2412            | 12.73                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 12.70                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 8       | 2447            | 12.48                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 9       | 2452            | 12.82                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 10      | 2457            | 12.33                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11ax40 | 11      | 2462            | 10.30                 | 11.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 3       | 2422            | 12.66                 | 13.00         | No       |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 2427    | 12.49           | 13.00                 | No            |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 2432    | 12.58           | 13.00                 | No            |          |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 2437    | 11.75           | 12.00                 | No            |          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 2442    | 9.23            | 10.00                 | No            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8      | 2447    | 8.26            | 9.00                  | No            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9      | 2452    | 8.93            | 9.00                  | No            |          |
| Note:<br>1) SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure.<br>2) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.<br>Adjusted SAR = 1.117 * (19.95mW/19.95mW)= 1.117 W/Kg, so 2.4G OFDM SAR test is not required. |        |         |                 |                       |               |          |

| WIFI2.4G-ANT11-Level2                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |         |                 |                       |               |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|-----------------|-----------------------|---------------|----------|
| 2.4G                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Mode   | Channal | Frequency (MHz) | Conducted Power (dBm) | Tune up (dBm) | SAR Test |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11b    | 1       | 2412            | 11.95                 | 13.00         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 12.04                 | 13.00         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 11      | 2462            | 12.76                 | 13.00         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11g    | 1       | 2412            | 14.19                 | 15.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 2       | 2417            | 16.85                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 17.63                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 8       | 2447            | 16.99                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 9       | 2452            | 15.09                 | 16.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 10      | 2457            | 14.20                 | 15.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 11      | 2462            | 11.50                 | 12.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 11n20   | 1               | 2412                  | 13.29         | 14.00    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2      |         | 2417            | 16.82                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6      |         | 2437            | 17.69                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8      |         | 2447            | 16.99                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9      |         | 2452            | 14.59                 | 15.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10     |         | 2457            | 13.66                 | 14.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11n40  | 11      | 2462            | 10.39                 | 11.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 3       | 2422            | 13.24                 | 14.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 4       | 2427            | 13.89                 | 14.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 5       | 2432            | 12.83                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 11.87                 | 12.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 7       | 2442            | 9.42                  | 10.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 8       | 2447            | 8.59                  | 9.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 9       | 2452            | 8.65                  | 9.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | VHT20  | 1       | 2412            | 14.68                 | 15.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 2       | 2417            | 15.84                 | 16.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 16.52                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 8       | 2447            | 16.08                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 9       | 2452            | 14.15                 | 15.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 10      | 2457            | 13.12                 | 14.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 11      | 2462            | 11.01                 | 12.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | VHT40  | 3       | 2422            | 14.78                 | 15.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 4       | 2427            | 13.34                 | 14.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 5       | 2432            | 12.91                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 12.01                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 7       | 2442            | 8.99                  | 9.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 8       | 2447            | 7.58                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11ax20 | 9       | 2452            | 8.26                  | 9.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 1       | 2412            | 14.69                 | 15.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 6       | 2437            | 14.90                 | 15.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 8       | 2447            | 14.27                 | 15.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 9       | 2452            | 13.29                 | 14.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 10      | 2457            | 12.33                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11ax40 | 11      | 2462            | 10.30                 | 11.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | 3       | 2422            | 14.33                 | 15.00         | No       |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 2427    | 13.02           | 14.00                 | No            |          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 2432    | 12.58           | 13.00                 | No            |          |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 2437    | 11.75           | 12.00                 | No            |          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 2442    | 9.23            | 10.00                 | No            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8      | 2447    | 8.26            | 9.00                  | No            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9      | 2452    | 8.93            | 9.00                  | No            |          |
| Note:<br>1) SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure.<br>2) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.<br>Adjusted SAR = 0.115 * (63.10mW/19.95mW)= 0.364 W/Kg, so 2.4G OFDM SAR test is not required. |        |         |                 |                       |               |          |

## 8.2.2 WIFI5G Output Power

| WIFI5G-ANT12-Full Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |         |                 |                       |               |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|-----------------|-----------------------|---------------|----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Mode   | Channel | Frequency (MHz) | Conducted Power (dBm) | Tune up (dBm) | SAR Test |
| 5.2G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11a    | 36      | 5180            | 16.03                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 44      | 5220            | 16.02                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 48      | 5240            | 16.09                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n20  | 36      | 5180            | 16.02                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 44      | 5220            | 16.03                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 48      | 5240            | 16.05                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n40  | 38      | 5190            | 15.48                 | 16.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 46      | 5230            | 17.71                 | 19.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac20 | 36      | 5180            | 16.08                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 44      | 5220            | 16.04                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 48      | 5240            | 16.05                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac40 | 38      | 5190            | 15.35                 | 16.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 46      | 5230            | 17.20                 | 19.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac80 | 42      | 5210            | 12.33                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 36      | 5180            | 15.02                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax20 | 44      | 5220            | 15.08                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 48      | 5240            | 15.07                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 38      | 5190            | 14.78                 | 16.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax40 | 46      | 5230            | 14.95                 | 16.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 42      | 5210            | 12.57                 | 13.00         | No       |
| 5.3G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11a    | 52      | 5260            | 15.09                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 60      | 5300            | 15.03                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 64      | 5320            | 15.06                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n20  | 52      | 5260            | 15.23                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 60      | 5300            | 15.06                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 64      | 5320            | 15.05                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n40  | 54      | 5270            | 17.73                 | 19.50         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 62      | 5310            | 13.31                 | 14.00         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac20 | 52      | 5260            | 15.08                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 60      | 5300            | 15.02                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 64      | 5320            | 15.06                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac40 | 54      | 5270            | 17.36                 | 19.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 62      | 5310            | 13.28                 | 14.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac80 | 58      | 5290            | 9.93                  | 11.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 52      | 5260            | 15.16                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax20 | 60      | 5300            | 15.04                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 64      | 5320            | 15.15                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 54      | 5270            | 14.89                 | 16.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax40 | 62      | 5310            | 13.54                 | 14.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 58      | 5290            | 10.18                 | 11.00         | No       |
| 5.6G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11a    | 100     | 5500            | 16.06                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 116     | 5580            | 16.20                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 140     | 5700            | 16.08                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n20  | 100     | 5500            | 16.03                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 116     | 5580            | 16.08                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 140     | 5700            | 16.09                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n40  | 102     | 5510            | 15.75                 | 16.00         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 110     | 5550            | 17.98                 | 19.50         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 134     | 5670            | 17.64                 | 19.50         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac20 | 100     | 5500            | 16.05                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 116     | 5580            | 16.13                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 140     | 5700            | 16.03                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac40 | 102     | 5510            | 15.75                 | 16.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 110     | 5550            | 17.86                 | 19.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 134     | 5670            | 17.83                 | 19.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac80 | 106     | 5530            | 13.93                 | 15.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 122     | 5610            | 16.22                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax20 | 100     | 5500            | 15.07                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 116     | 5580            | 15.32                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 140     | 5700            | 15.01                 | 17.00         | No       |
| 11ax40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 102    | 5510    | 14.88           | 16.50                 | No            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 110    | 5550    | 15.07           | 16.50                 | No            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 134    | 5670    | 14.86           | 16.50                 | No            |          |
| 11ax80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 106    | 5530    | 14.22           | 16.00                 | No            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 122    | 5610    | 14.31           | 16.00                 | No            |          |
| 5.8G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11a    | 149     | 5745            | 16.01                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 157     | 5785            | 16.06                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 165     | 5825            | 16.11                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n20  | 149     | 5745            | 16.04                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 157     | 5785            | 16.07                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 165     | 5825            | 16.12                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n40  | 151     | 5755            | 17.79                 | 19.50         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 159     | 5795            | 17.64                 | 19.50         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac20 | 149     | 5745            | 16.06                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 157     | 5785            | 16.08                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 165     | 5825            | 16.06                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac40 | 151     | 5755            | 17.13                 | 19.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 159     | 5795            | 17.18                 | 19.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac80 | 155     | 5775            | 15.65                 | 17.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 149     | 5745            | 15.14                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax20 | 157     | 5785            | 15.09                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 165     | 5825            | 15.13                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 151     | 5755            | 14.83                 | 16.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax40 | 159     | 5795            | 14.75                 | 16.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 155     | 5775            | 14.38                 | 16.00         | No       |
| Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.<br>1)When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.<br>2)The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same maximum tune-up output power.<br>3) When multiple transmission modes (802.11a/g/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac. |        |         |                 |                       |               |          |

| WIFI5G-ANT12-Level1&3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |         |                 |                       |               |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|-----------------|-----------------------|---------------|----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Mode   | Channel | Frequency (MHz) | Conducted Power (dBm) | Tune up (dBm) | SAR Test |
| 5.2G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11a    | 36      | 5180            | 6.16                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 44      | 5220            | 6.15                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 48      | 5240            | 6.14                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11n20  | 36      | 5180            | 6.12                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 44      | 5220            | 6.03                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 48      | 5240            | 6.19                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11n40  | 38      | 5190            | 6.43                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 46      | 5230            | 6.31                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac20 | 36      | 5180            | 6.23                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 44      | 5220            | 6.14                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 48      | 5240            | 6.18                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac40 | 38      | 5190            | 6.07                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 46      | 5230            | 6.22                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac80 | 42      | 5210            | 6.08                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 36      | 5180            | 6.04                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax20 | 44      | 5220            | 6.04                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 48      | 5240            | 6.15                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax40 | 38      | 5190            | 6.30                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 46      | 5230            | 6.43                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax80 | 42      | 5210            | 6.17                  | 8.00          | No       |
| 5.3G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11a    | 52      | 5260            | 6.14                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 60      | 5300            | 6.21                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 64      | 5320            | 6.14                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11n20  | 52      | 5260            | 6.13                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 60      | 5300            | 6.02                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 64      | 5320            | 6.16                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11n40  | 54      | 5270            | 6.19                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 62      | 5310            | 6.45                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac20 | 52      | 5260            | 6.11                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 60      | 5300            | 6.16                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 64      | 5320            | 6.17                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac40 | 54      | 5270            | 6.19                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 62      | 5310            | 6.22                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac80 | 58      | 5290            | <b>6.06</b>           | 8.00          | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 52      | 5260            | 6.11                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax20 | 60      | 5300            | 6.06                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 64      | 5320            | 6.17                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax40 | 54      | 5270            | 6.45                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 62      | 5310            | 6.38                  | 8.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax80 | 58      | 5290            | 6.32                  | 8.00          | No       |
| 5.6G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11a    | 100     | 5500            | 6.59                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 116     | 5580            | 6.57                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 140     | 5700            | 6.65                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11n20  | 100     | 5500            | 6.60                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 116     | 5580            | 6.67                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 140     | 5700            | 6.55                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11n40  | 102     | 5510            | 6.98                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 110     | 5550            | 7.12                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac20 | 134     | 5670            | 6.66                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 100     | 5500            | 6.57                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 116     | 5580            | 6.80                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac40 | 140     | 5700            | 6.61                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 102     | 5510            | 6.82                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 110     | 5550            | 6.78                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac80 | 134     | 5670            | 6.93                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 106     | 5530            | <b>6.59</b>           | 8.50          | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax20 | 122     | 5610            | 6.54                  | 8.50          | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 100     | 5500            | 6.58                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 116     | 5580            | 6.92                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax40 | 140     | 5700            | 6.53                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 102     | 5510            | 7.02                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 110     | 5550            | 7.01                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax80 | 134     | 5670            | 6.88                  | 8.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 106     | 5530            | 6.85                  | 8.50          | No       |
| 5.8G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11a    | 149     | 5745            | 5.53                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 157     | 5785            | 5.63                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 165     | 5825            | 5.53                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11n20  | 149     | 5745            | 5.61                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 157     | 5785            | 5.69                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 165     | 5825            | 5.68                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11n40  | 151     | 5755            | 5.77                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 159     | 5795            | 5.53                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac20 | 149     | 5745            | 5.50                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 157     | 5785            | 5.65                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 165     | 5825            | 5.62                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac40 | 151     | 5755            | 5.67                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 159     | 5795            | 5.57                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ac80 | 155     | 5775            | <b>5.69</b>           | 7.50          | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 149     | 5745            | 5.67                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax20 | 157     | 5785            | 5.55                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 165     | 5825            | 5.64                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax40 | 151     | 5755            | 5.82                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 159     | 5795            | 5.89                  | 7.50          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11ax80 | 155     | 5775            | 5.86                  | 7.50          | No       |
| Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.<br>1)When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is $\leq 1.2$ W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.<br>2)The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same maximum tune-up output power.<br>3) When multiple transmission modes (802.11a/g/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac. |        |         |                 |                       |               |          |

| WIFI5G-ANT12-Level2&4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |         |                 |                       |               |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|-----------------|-----------------------|---------------|----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Mode   | Channel | Frequency (MHz) | Conducted Power (dBm) | Tune up (dBm) | SAR Test |
| 5.2G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11a    | 36      | 5180            | 16.03                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 44      | 5220            | 16.02                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 48      | 5240            | 16.09                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n20  | 36      | 5180            | 16.02                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 44      | 5220            | 16.03                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 48      | 5240            | 16.05                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n40  | 38      | 5190            | 15.48                 | 16.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 46      | 5230            | 17.71                 | 19.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac20 | 36      | 5180            | 16.08                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 44      | 5220            | 16.04                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 48      | 5240            | 16.05                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac40 | 38      | 5190            | 15.35                 | 16.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 46      | 5230            | 17.20                 | 19.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac80 | 42      | 5210            | 12.33                 | 13.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax20 | 36      | 5180            | 15.02                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 44      | 5220            | 15.08                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 48      | 5240            | 15.07                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax40 | 38      | 5190            | 14.78                 | 16.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 46      | 5230            | 14.95                 | 16.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax80 | 42      | 5210            | 12.57                 | 13.00         | No       |
| 5.3G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11a    | 52      | 5260            | 15.09                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 60      | 5300            | 15.03                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 64      | 5320            | 15.06                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n20  | 52      | 5260            | 15.23                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 60      | 5300            | 15.06                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 64      | 5320            | 15.05                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n40  | 54      | 5270            | 17.73                 | 19.50         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 62      | 5310            | 13.31                 | 14.00         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac20 | 52      | 5260            | 15.08                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 60      | 5300            | 15.02                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 64      | 5320            | 15.06                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac40 | 54      | 5270            | 17.36                 | 19.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 62      | 5310            | 13.28                 | 14.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac80 | 58      | 5290            | 9.93                  | 11.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax20 | 52      | 5260            | 15.16                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 60      | 5300            | 15.04                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 64      | 5320            | 15.15                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax40 | 54      | 5270            | 14.89                 | 16.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 62      | 5310            | 13.54                 | 14.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax80 | 58      | 5290            | 10.18                 | 11.00         | No       |
| 5.6G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11a    | 100     | 5500            | 16.06                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 116     | 5580            | 16.20                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 140     | 5700            | 16.08                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n20  | 100     | 5500            | 16.03                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 116     | 5580            | 16.08                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 140     | 5700            | 16.09                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n40  | 102     | 5510            | 15.75                 | 16.00         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 110     | 5550            | 17.98                 | 19.50         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac20 | 134     | 5670            | 17.64                 | 19.50         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 100     | 5500            | 16.05                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 116     | 5580            | 16.13                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac40 | 140     | 5700            | 16.03                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 102     | 5510            | 15.75                 | 16.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 110     | 5550            | 17.86                 | 19.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac80 | 134     | 5670            | 17.83                 | 19.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 106     | 5530            | 13.93                 | 15.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 122     | 5610            | 16.22                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax20 | 100     | 5500            | 15.07                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 116     | 5580            | 15.32                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 140     | 5700            | 15.01                 | 17.00         | No       |
| 11ax40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 102    | 5510    | 14.88           | 16.50                 | No            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 110    | 5550    | 15.07           | 16.50                 | No            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 134    | 5670    | 14.86           | 16.50                 | No            |          |
| 11ax80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 106    | 5530    | 14.22           | 16.00                 | No            |          |
| 5.8G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11a    | 122     | 5610            | 14.31                 | 16.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 149     | 5745            | 16.01                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 157     | 5785            | 16.06                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n20  | 165     | 5825            | 16.11                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 149     | 5745            | 16.04                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 157     | 5785            | 16.07                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11n40  | 165     | 5825            | 16.12                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 151     | 5755            | 17.79                 | 19.50         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac20 | 159     | 5795            | 17.64                 | 19.50         | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 149     | 5745            | 16.06                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 157     | 5785            | 16.08                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac40 | 165     | 5825            | 16.06                 | 18.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 151     | 5755            | 17.13                 | 19.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 159     | 5795            | 17.18                 | 19.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ac80 | 155     | 5775            | 15.65                 | 17.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax20 | 149     | 5745            | 15.14                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 157     | 5785            | 15.09                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 165     | 5825            | 15.13                 | 17.00         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11ax40 | 151     | 5755            | 14.83                 | 16.50         | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 159     | 5795            | 14.75                 | 16.50         | No       |
| 11ax80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 155    | 5775    | 14.38           | 16.00                 | No            |          |
| Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.<br>1)When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.<br>2)The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same maximum tune-up output power.<br>3) When multiple transmission modes (802.11a/g/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac. |        |         |                 |                       |               |          |

## 8.3 Bluetooth

### 8.3.1 Bluetooth Output Power

| Bluetooth-ANT11-Full Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                |                |                       |                |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|----------------|-----------------------|----------------|----------|
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Modulation | Channel number | Frequency(MHz) | Conducted Power (dBm) | Tune up (dBm)) | SAR Test |
| BT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DH5        | 0              | 2402           | 11.24                 | 13.00          | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 39             | 2441           | 12.52                 | 14.50          | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 78             | 2480           | 12.86                 | 14.50          | Yes      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2DH5       | 0              | 2402           | 7.72                  | 9.00           | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 39             | 2441           | 9.00                  | 11.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 78             | 2480           | 9.52                  | 11.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3DH5       | 0              | 2402           | 7.67                  | 9.00           | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 39             | 2441           | 9.00                  | 11.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 78             | 2480           | 9.48                  | 11.00          | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BLE-1M     | 0              | 2402           | 2.01                  | 4.00           | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 19             | 2440           | 2.77                  | 4.00           | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 39             | 2480           | 2.48                  | 4.00           | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BLE-2M     | 1              | 2404           | 2.06                  | 4.00           | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 19             | 2440           | 2.77                  | 4.00           | No       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 38             | 2478           | 2.52                  | 4.00           | No       |
| Note: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.<br>Note2: The Bluetooth of the device is based on the SIG (Special Interest Group) protocol, and the maximum TX duty cycle of Bluetooth is limited to 77.6%, so the reported SAR needs to perform the corresponding maximum TX duty cycle. |            |                |                |                       |                |          |

| Bluetooth-ANT11-Level1 |            |                |                |                       |                |          |
|------------------------|------------|----------------|----------------|-----------------------|----------------|----------|
| Test Mode              | Modulation | Channel number | Frequency(MHz) | Conducted Power (dBm) | Tune up (dBm)) | SAR Test |
| BT                     | DH5        | 0              | 2402           | 7.54                  | 9.00           | Yes      |
|                        |            | 39             | 2441           | 8.60                  | 10.50          | Yes      |
|                        |            | 78             | 2480           | 8.83                  | 10.50          | Yes      |
|                        | 2DH5       | 0              | 2402           | 4.10                  | 4.50           | No       |
|                        |            | 39             | 2441           | 5.19                  | 6.50           | No       |
|                        |            | 78             | 2480           | 5.42                  | 6.50           | No       |
|                        | 3DH5       | 0              | 2402           | 4.05                  | 4.50           | No       |
|                        |            | 39             | 2441           | 5.14                  | 6.50           | No       |
|                        |            | 78             | 2480           | 5.41                  | 6.50           | No       |
|                        | BLE-1M     | 0              | 2402           | 2.01                  | 4.00           | No       |
|                        |            | 19             | 2440           | 2.77                  | 4.00           | No       |
|                        |            | 39             | 2480           | 2.48                  | 4.00           | No       |
|                        | BLE-2M     | 1              | 2404           | 2.06                  | 4.00           | No       |
|                        |            | 19             | 2440           | 2.77                  | 4.00           | No       |
|                        |            | 38             | 2478           | 2.52                  | 4.00           | No       |

Note: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.

Note2: The Bluetooth of the device is based on the SIG (Special Interest Group) protocol, and the maximum TX duty cycle of Bluetooth is limited to 77.6%, so the reported SAR needs to perform the corresponding maximum TX duty cycle.

| Bluetooth-ANT11-Level3 |            |                |                |                       |                |          |
|------------------------|------------|----------------|----------------|-----------------------|----------------|----------|
| Test Mode              | Modulation | Channel number | Frequency(MHz) | Conducted Power (dBm) | Tune up (dBm)) | SAR Test |
| BT                     | DH5        | 0              | 2402           | 4.20                  | 5.50           | Yes      |
|                        |            | 39             | 2441           | 4.44                  | 5.50           | Yes      |
|                        |            | 78             | 2480           | <b>4.51</b>           | 5.50           | Yes      |
|                        | 2DH5       | 0              | 2402           | 4.10                  | 5.50           | No       |
|                        |            | 39             | 2441           | 5.19                  | 5.50           | No       |
|                        |            | 78             | 2480           | 5.45                  | 5.50           | No       |
|                        | 3DH5       | 0              | 2402           | 3.53                  | 5.50           | No       |
|                        |            | 39             | 2441           | 4.61                  | 5.50           | No       |
|                        |            | 78             | 2480           | 4.95                  | 5.50           | No       |
|                        | BLE-1M     | 0              | 2402           | 2.01                  | 4.00           | No       |
|                        |            | 19             | 2440           | 2.77                  | 4.00           | No       |
|                        |            | 39             | 2480           | 2.48                  | 4.00           | No       |
|                        | BLE-2M     | 1              | 2404           | 2.06                  | 4.00           | No       |
|                        |            | 19             | 2440           | 2.77                  | 4.00           | No       |
|                        |            | 38             | 2478           | 2.52                  | 4.00           | No       |

Note: Since bluetooth BR mode is the maximum output power mode , SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.

Note2: The Bluetooth of the device is based on the SIG (Special Interest Group) protocol, and the maximum TX duty cycle of Bluetooth is limited to 77.6%, so the reported SAR needs to perform the corresponding maximum TX duty cycle.

| Bluetooth-ANT11-Level2&4 |            |                |                |                       |                |          |
|--------------------------|------------|----------------|----------------|-----------------------|----------------|----------|
| Test Mode                | Modulation | Channel number | Frequency(MHz) | Conducted Power (dBm) | Tune up (dBm)) | SAR Test |
| BT                       | DH5        | 0              | 2402           | 11.24                 | 13.00          | Yes      |
|                          |            | 39             | 2441           | 12.52                 | 14.50          | Yes      |
|                          |            | 78             | 2480           | <b>12.86</b>          | 14.50          | Yes      |
|                          | 2DH5       | 0              | 2402           | 7.72                  | 9.00           | No       |
|                          |            | 39             | 2441           | 9.00                  | 11.00          | No       |
|                          |            | 78             | 2480           | 9.52                  | 11.00          | No       |
|                          | 3DH5       | 0              | 2402           | 7.67                  | 9.00           | No       |
|                          |            | 39             | 2441           | 9.00                  | 11.00          | No       |
|                          |            | 78             | 2480           | 9.48                  | 11.00          | No       |
|                          | BLE-1M     | 0              | 2402           | 2.01                  | 4.00           | No       |
|                          |            | 19             | 2440           | 2.77                  | 4.00           | No       |
|                          |            | 39             | 2480           | 2.48                  | 4.00           | No       |
|                          | BLE-2M     | 1              | 2404           | 2.06                  | 4.00           | No       |
|                          |            | 19             | 2440           | 2.77                  | 4.00           | No       |
|                          |            | 38             | 2478           | 2.52                  | 4.00           | No       |

Note: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is  $\leq \frac{1}{4}$  dB higher than the primary mode.

Note2: The Bluetooth of the device is based on the SIG (Special Interest Group) protocol, and the maximum TX duty cycle of Bluetooth is limited to 77.6%, so the reported SAR needs to perform the corresponding maximum TX duty cycle.

## 8.3.2 Bluetooth Duty Cycle

