



RF Exposure Report

(TAS Characterization Evaluation)

FCC ID : E2K-QCNCM825
Equipment : WiFi 7/BT Combo module
Brand Name : DELL
Model Name : QCNCM825
Applicant : Dell Inc.
One Dell Way, Round Rock, TX 78682,
USA
Standard : FCC 47 CFR Part 2 (2.1093)

We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full.

Approved by: Cona Huang / Deputy Manager

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1. Introduction

Qualcomm® FastConnect™ WIFI Time Averaged SAR (TAS) operates based on a power limit obtained from this SAR and PD compliance test Note characterization report completed on a device. The power limit and other FastConnect WIFI TAS parameters produced in this characterization report must be entered into the board data file (BDF) to enable the FastConnect WIFI TAS feature.

Terminologies in this report

| | |
|--------------------|---|
| Plimit | The time-averaged RF power which corresponds to SAR_design_target. |
| Pmax | Maximum target power level |
| SAR_design_target: | The design target for SAR compliance. It should be less than regulatory power density limit to account for all device design related uncertainties. |
| SAR char | Plimit for all the technologies/bands |

2. SAR Characterization

The design target (denoted as Rfexptarget) for RF exposure compliance (1g SAR or 10g SAR or PD) must be specified for FastConnect WIFI TAS WLAN before determining the power level required to meet the Rfexptarget for each radio configuration and usage case supported. The SAR characterization procedure is define in the section3.3 of Qualcomm FastConnect document No.:80-39282-3.

2.1 SAR design target and uncertainty

| | |
|-----------------------------|----------------------|
| 1g SAR design Target (W/kg) | 0.84 |
| Device uncertainty | Uncertainty dB (k=2) |
| | 1.5 |

To account for total uncertainty, SAR_design_target should be determined as:

$$SAR_design_target < SAR_{regulatory_limit} \times 10^{\frac{-total\ uncertainty}{10}}$$



2.2 SAR Char Table

Remark:

1. Pmax is used for RF tune up procedure. The maximum allowed output power is equal to Pmax + TXAGC uncertainty.
2. The Plimit values, corresponding to SAR_design_target.

<P_{limit} for supported technologies and bands (P_{limit} in BDF file)>

| Mode | Channel | Frequency (MHz) | Main Ant | | Aux Ant | | Main+Aux Ant | |
|---------------------|---------|-----------------|----------|-------|---------|-------|--------------|-------|
| | | | Plimit | Pmax | Plimit | Pmax | Plimit | Pmax |
| 802.11b 1Mbps | 1 | 2412 | 14.50 | 18.00 | 14.50 | 18.00 | 17.50 | 21.00 |
| | 6 | 2437 | 14.50 | 18.00 | 14.50 | 18.00 | 17.50 | 21.00 |
| | 11 | 2462 | 14.50 | 18.00 | 14.50 | 18.00 | 17.50 | 21.00 |
| | 12 | 2467 | 14.50 | 14.25 | 14.50 | 14.25 | 17.50 | 17.25 |
| | 13 | 2472 | 14.50 | 14.25 | 14.50 | 14.25 | 17.50 | 17.25 |
| 802.11g 6Mbps | 1 | 2412 | 14.50 | 18.00 | 14.50 | 18.00 | 17.50 | 21.00 |
| | 6 | 2437 | 14.50 | 18.00 | 14.50 | 18.00 | 17.50 | 21.00 |
| | 11 | 2462 | 14.50 | 18.00 | 14.50 | 18.00 | 17.50 | 21.00 |
| | 12 | 2467 | 14.50 | 16.00 | 14.50 | 16.00 | 17.50 | 17.25 |
| | 13 | 2472 | 14.50 | 12.25 | 14.50 | 12.25 | 17.50 | 17.25 |
| 802.11n-HT20 MCS0 | 1 | 2412 | 14.50 | 17.75 | 14.50 | 17.75 | 17.50 | 20.75 |
| | 6 | 2437 | 14.50 | 18.00 | 14.50 | 18.00 | 17.50 | 21.00 |
| | 11 | 2462 | 14.50 | 15.00 | 14.50 | 15.00 | 17.50 | 18.00 |
| | 12 | 2467 | 14.50 | 13.00 | 14.50 | 13.00 | 17.50 | 16.00 |
| | 13 | 2472 | 14.50 | 9.00 | 14.50 | 9.00 | 17.50 | 12.00 |
| 802.11n-HT40 MCS0 | 3 | 2422 | 14.50 | 14.75 | 14.50 | 14.75 | 17.50 | 17.75 |
| | 6 | 2437 | 14.50 | 16.00 | 14.50 | 16.00 | 17.50 | 19.00 |
| | 9 | 2452 | 14.50 | 14.25 | 14.50 | 14.25 | 17.50 | 17.25 |
| | 10 | 2457 | 14.50 | 11.75 | 14.50 | 11.75 | 17.50 | 14.75 |
| | 11 | 2462 | 14.50 | 6.50 | 14.50 | 6.50 | 17.50 | 9.50 |
| 802.11ac-VHT20 MCS0 | 1 | 2412 | 14.50 | 17.75 | 14.50 | 17.75 | 17.50 | 20.75 |
| | 6 | 2437 | 14.50 | 18.00 | 14.50 | 18.00 | 17.50 | 21.00 |
| | 11 | 2462 | 14.50 | 15.00 | 14.50 | 15.00 | 17.50 | 18.00 |
| | 12 | 2467 | 14.50 | 13.00 | 14.50 | 13.00 | 17.50 | 16.00 |
| | 13 | 2472 | 14.50 | 9.00 | 14.50 | 9.00 | 17.50 | 12.00 |
| 802.11ac-VHT40 MCS0 | 3 | 2422 | 14.50 | 14.75 | 14.50 | 14.75 | 17.50 | 17.75 |
| | 6 | 2437 | 14.50 | 16.00 | 14.50 | 16.00 | 17.50 | 19.00 |
| | 9 | 2452 | 14.50 | 14.25 | 14.50 | 14.25 | 17.50 | 17.25 |
| | 10 | 2457 | 14.50 | 11.75 | 14.50 | 11.75 | 17.50 | 14.75 |
| | 11 | 2462 | 14.50 | 6.50 | 14.50 | 6.50 | 17.50 | 9.50 |
| 802.11ax-HE20 MCS0 | 1 | 2412 | 14.50 | 17.75 | 14.50 | 17.75 | 17.50 | 20.75 |
| | 6 | 2437 | 14.50 | 18.00 | 14.50 | 18.00 | 17.50 | 21.00 |
| | 11 | 2462 | 14.50 | 15.00 | 14.50 | 15.00 | 17.50 | 18.00 |
| | 12 | 2467 | 14.50 | 13.00 | 14.50 | 13.00 | 17.50 | 16.00 |
| | 13 | 2472 | 14.50 | 9.00 | 14.50 | 9.00 | 17.50 | 12.00 |
| 802.11ax-HE40 MCS0 | 3 | 2422 | 14.50 | 14.75 | 14.50 | 14.75 | 17.50 | 17.75 |
| | 6 | 2437 | 14.50 | 16.00 | 14.50 | 16.00 | 17.50 | 19.00 |
| | 9 | 2452 | 14.50 | 14.25 | 14.50 | 14.25 | 17.50 | 17.25 |
| | 10 | 2457 | 14.50 | 11.75 | 14.50 | 11.75 | 17.50 | 14.75 |
| | 11 | 2462 | 14.50 | 6.50 | 14.50 | 6.50 | 17.50 | 9.50 |
| 802.11be-EHT20 MCS0 | 1 | 2412 | 14.50 | 17.75 | 14.50 | 17.75 | 17.50 | 20.75 |
| | 6 | 2437 | 14.50 | 18.00 | 14.50 | 18.00 | 17.50 | 21.00 |
| | 11 | 2462 | 14.50 | 15.00 | 14.50 | 15.00 | 17.50 | 18.00 |
| | 12 | 2467 | 14.50 | 13.00 | 14.50 | 13.00 | 17.50 | 16.00 |
| | 13 | 2472 | 14.50 | 9.00 | 14.50 | 9.00 | 17.50 | 12.00 |
| 802.11be-EHT40 MCS0 | 3 | 2422 | 14.50 | 14.75 | 14.50 | 14.75 | 17.50 | 17.75 |
| | 6 | 2437 | 14.50 | 16.00 | 14.50 | 16.00 | 17.50 | 19.00 |
| | 9 | 2452 | 14.50 | 14.25 | 14.50 | 14.25 | 17.50 | 17.25 |
| | 10 | 2457 | 14.50 | 11.75 | 14.50 | 11.75 | 17.50 | 14.75 |
| | 11 | 2462 | 14.50 | 6.50 | 14.50 | 6.50 | 17.50 | 9.50 |



| | Mode | Channel | Frequency (MHz) | Main Ant | | Aux Ant | | Main+Aux Ant | |
|---------------------|---------------------|---------|-----------------|----------|-------|---------|-------|--------------|-------|
| | | | | Plimit | Pmax | Plimit | Pmax | Plimit | Pmax |
| 5.2GHz WLAN | 802.11a 6Mbps | 36 | 5180 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| | | 40 | 5200 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 44 | 5220 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 48 | 5240 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 802.11n-HT20 MCS0 | 36 | 5180 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 40 | 5200 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 44 | 5220 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 48 | 5240 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 802.11n-HT40 MCS0 | 38 | 5190 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | | 46 | 5230 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 802.11ac-VHT20 MCS0 | 36 | 5180 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 40 | 5200 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 44 | 5220 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 48 | 5240 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 802.11ac-VHT40 MCS0 | 38 | 5190 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | | 46 | 5230 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 802.11ac-VHT80 MCS0 | 42 | 5210 | 14.50 | 15.00 | 15.00 | 15.00 | 17.50 | 18.00 |
| | 802.11ax-HE20 MCS0 | 36 | 5180 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 40 | 5200 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 44 | 5220 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 48 | 5240 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 802.11ax-HE40 MCS0 | 38 | 5190 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | | 46 | 5230 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 802.11ax-HE80 MCS0 | 42 | 5210 | 14.50 | 15.00 | 15.00 | 15.00 | 17.50 | 18.00 |
| | 802.11be-EHT20 MCS0 | 36 | 5180 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 40 | 5200 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 44 | 5220 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 48 | 5240 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| 802.11be-EHT40 MCS0 | 38 | 5190 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 | |
| | 46 | 5230 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 | |
| 802.11be-EHT80 MCS0 | 42 | 5210 | 14.50 | 15.00 | 15.00 | 15.00 | 17.50 | 18.00 | |



| 5.3GHz WLAN | Mode | Channel | Frequency (MHz) | Main Ant | | Aux Ant | | Main+Aux Ant | |
|----------------------|------|---------|--------------------|----------|-------|---------|-------|--------------|-------|
| | | | | Plimit | Pmax | Plimit | Pmax | Plimit | Pmax |
| 802.11a 6Mbps | | 52 | 5260 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 56 | 5280 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 60 | 5300 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 64 | 5320 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| 802.11n-HT20 MCS0 | | 52 | 5260 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 56 | 5280 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 60 | 5300 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 64 | 5320 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| 802.11n-HT40 MCS0 | | 54 | 5270 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 62 | 5310 | 14.50 | 15.75 | 15.00 | 15.75 | 17.50 | 18.75 |
| 802.11ac-VHT20 MCS0 | | 52 | 5260 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 56 | 5280 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 60 | 5300 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 64 | 5320 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| 802.11ac-VHT40 MCS0 | | 54 | 5270 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 62 | 5310 | 14.50 | 15.75 | 15.00 | 15.75 | 17.50 | 18.75 |
| 802.11ac-VHT80 MCS0 | | 58 | 5290 | 14.50 | 14.25 | 15.00 | 14.25 | 17.50 | 17.25 |
| 802.11ac-VHT160 MCS0 | | 50 | 5250 | 14.50 | 12.25 | 15.00 | 12.25 | 17.50 | 15.25 |
| 802.11ax-HE20 MCS0 | | 52 | 5260 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 56 | 5280 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 60 | 5300 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 64 | 5320 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| 802.11ax-HE40 MCS0 | | 54 | 5270 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 62 | 5310 | 14.50 | 15.75 | 15.00 | 15.75 | 17.50 | 18.75 |
| 802.11ax-HE80 MCS0 | | 58 | 5290 | 14.50 | 14.25 | 15.00 | 14.25 | 17.50 | 17.25 |
| 802.11ax-HE160 MCS0 | | 50 | 5250 | 14.50 | 12.25 | 15.00 | 12.25 | 17.50 | 15.25 |
| 802.11be-EHT20 MCS0 | | 52 | 5260 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 56 | 5280 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 60 | 5300 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 64 | 5320 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| 802.11be-EHT40 MCS0 | | 54 | 5270 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 62 | 5310 | 14.50 | 15.75 | 15.00 | 15.75 | 17.50 | 18.75 |
| 802.11be-EHT80 MCS0 | | 58 | 5290 | 14.50 | 14.25 | 15.00 | 14.25 | 17.50 | 17.25 |
| 802.11be-EHT160 MCS0 | | 50 | 5250 | 14.50 | 12.25 | 15.00 | 12.25 | 17.50 | 15.25 |



| Mode | Channel | Frequency (MHz) | Main Ant | | Aux Ant | | Main+Aux Ant | |
|----------------------|---------|-----------------|----------|-------|---------|-------|--------------|-------|
| | | | Plimit | Pmax | Plimit | Pmax | Plimit | Pmax |
| 802.11a 6Mbps | 100 | 5500 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 116 | 5580 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 124 | 5620 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 132 | 5660 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 140 | 5700 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| 802.11n-HT20 MCS0 | 100 | 5500 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 116 | 5580 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 124 | 5620 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 132 | 5660 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 140 | 5700 | 14.50 | 16.25 | 15.00 | 16.25 | 17.50 | 19.25 |
| 802.11n-HT40 MCS0 | 102 | 5510 | 14.50 | 15.25 | 15.00 | 15.25 | 17.50 | 18.25 |
| | 110 | 5550 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 126 | 5630 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 134 | 5670 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 142 | 5710 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| 802.11ac-VHT20 MCS0 | 100 | 5500 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 116 | 5580 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 124 | 5620 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 132 | 5660 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 140 | 5700 | 14.50 | 16.25 | 15.00 | 16.25 | 17.50 | 19.25 |
| 802.11ac-VHT40 MCS0 | 102 | 5510 | 14.50 | 15.25 | 15.00 | 15.25 | 17.50 | 18.25 |
| | 110 | 5550 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 126 | 5630 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 134 | 5670 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 142 | 5710 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| 802.11ac-VHT80 MCS0 | 106 | 5530 | 14.50 | 14.50 | 15.00 | 14.50 | 17.50 | 17.00 |
| | 122 | 5610 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | 138 | 5690 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| 802.11ac-VHT160 MCS0 | 114 | 5570 | 14.50 | 12.75 | 15.00 | 12.75 | 17.50 | 15.75 |
| 802.11ax-HE20 MCS0 | 100 | 5500 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 116 | 5580 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 124 | 5620 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 132 | 5660 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 140 | 5700 | 14.50 | 16.25 | 15.00 | 16.25 | 17.50 | 19.25 |
| 802.11ax-HE40 MCS0 | 102 | 5510 | 14.50 | 15.25 | 15.00 | 15.25 | 17.50 | 18.25 |
| | 110 | 5550 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 126 | 5630 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 134 | 5670 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 142 | 5710 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| 802.11ax-HE80 MCS0 | 106 | 5530 | 14.00 | 14.50 | 15.00 | 14.50 | 17.00 | 17.00 |
| | 122 | 5610 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | 138 | 5690 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| 802.11ax-HE160 MCS0 | 114 | 5570 | 14.50 | 12.75 | 15.00 | 12.75 | 17.50 | 15.75 |
| 802.11be-EHT20 MCS0 | 100 | 5500 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 116 | 5580 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 124 | 5620 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 132 | 5660 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 140 | 5700 | 14.50 | 16.25 | 15.00 | 16.25 | 17.50 | 19.25 |
| 802.11be-EHT40 MCS0 | 102 | 5510 | 14.50 | 15.25 | 15.00 | 15.25 | 17.50 | 18.25 |
| | 110 | 5550 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 126 | 5630 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 134 | 5670 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 142 | 5710 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| 802.11be-EHT80 MCS0 | 106 | 5530 | 14.00 | 14.50 | 15.00 | 14.50 | 17.00 | 17.00 |
| | 122 | 5610 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | 138 | 5690 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| 802.11be-EHT160 MCS0 | 114 | 5570 | 14.50 | 12.75 | 15.00 | 12.75 | 17.50 | 15.75 |



| | Mode | Channel | Frequency (MHz) | Main Ant | | Aux Ant | | Main+Aux Ant | |
|---------------------|---------------------|---------|-----------------|----------|-------|---------|-------|--------------|-------|
| | | | | Plimit | Pmax | Plimit | Pmax | Plimit | Pmax |
| 5.8GHz WLAN | 802.11a 6Mbps | 149 | 5745 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 157 | 5785 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 165 | 5825 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 802.11n-HT20 MCS0 | 149 | 5745 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 157 | 5785 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 165 | 5825 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 802.11n-HT40 MCS0 | 151 | 5755 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 159 | 5795 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 802.11ac-VHT20 MCS0 | 149 | 5745 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 157 | 5785 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 165 | 5825 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 802.11ac-VHT40 MCS0 | 151 | 5755 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 159 | 5795 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 802.11ac-VHT80 MCS0 | 155 | 5775 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | 802.11ax-HE20 MCS0 | 149 | 5745 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 157 | 5785 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | | 165 | 5825 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 |
| | 802.11ax-HE40 MCS0 | 151 | 5755 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 159 | 5795 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 802.11ax-HE80 MCS0 | 155 | 5775 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| 802.11be-EHT20 MCS0 | 149 | 5745 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 | |
| | 157 | 5785 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 | |
| | 165 | 5825 | 14.50 | 17.50 | 15.00 | 17.50 | 17.50 | 20.50 | |
| 802.11be-EHT40 MCS0 | 151 | 5755 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 | |
| | 159 | 5795 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 | |
| 802.11be-EHT80 MCS0 | 155 | 5775 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 | |



| | Mode | Channel | Frequency (MHz) | Main Ant | | Aux Ant | | Main+Aux Ant | |
|----------------------|----------------------|---------|-----------------|----------|-------|---------|-------|--------------|-------|
| | | | | Plimit | Pmax | Plimit | Pmax | Plimit | Pmax |
| 5.9GHz WLAN | 802.11a 6Mbps | 169 | 5845 | 14.50 | 13.75 | 15.00 | 13.75 | 17.50 | 16.75 |
| | | 173 | 5865 | 14.50 | 13.75 | 15.00 | 13.75 | 17.50 | 16.75 |
| | | 177 | 5885 | 14.50 | 13.75 | 15.00 | 13.75 | 17.50 | 16.75 |
| | 802.11n-HT20 MCS0 | 169 | 5845 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| | | 173 | 5865 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| | | 177 | 5885 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | 802.11n-HT40 MCS0 | 167 | 5835 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 175 | 5875 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 802.11ac-VHT20 MCS0 | 169 | 5845 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| | | 173 | 5865 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| | | 177 | 5885 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | 802.11ac-VHT40 MCS0 | 167 | 5835 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 175 | 5875 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 802.11ac-VHT80 MCS0 | 171 | 5855 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | 802.11ac-VHT160 MCS0 | 163 | 5815 | 14.50 | 12.00 | 15.00 | 12.00 | 17.50 | 15.00 |
| | 802.11ax-HE20 MCS0 | 169 | 5845 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| | | 173 | 5865 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| | | 177 | 5885 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | 802.11ax-HE40 MCS0 | 167 | 5835 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | | 175 | 5875 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 |
| | 802.11ax-HE80 MCS0 | 171 | 5855 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | 802.11ax-HE160 MCS0 | 163 | 5815 | 14.50 | 12.00 | 15.00 | 12.00 | 17.50 | 15.00 |
| | 802.11be-EHT20 MCS0 | 169 | 5845 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| | | 173 | 5865 | 14.50 | 17.25 | 15.00 | 17.25 | 17.50 | 20.25 |
| 177 | | 5885 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 | |
| 802.11be-EHT40 MCS0 | 167 | 5835 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 | |
| | 175 | 5875 | 14.50 | 17.00 | 15.00 | 17.00 | 17.50 | 20.00 | |
| 802.11be-EHT80 MCS0 | 171 | 5855 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 | |
| 802.11be-EHT160 MCS0 | 163 | 5815 | 14.50 | 12.00 | 15.00 | 12.00 | 17.50 | 15.00 | |



| | Mode | Channel | Frequency (MHz) | Main Ant | | Aux Ant | | Main+Aux Ant | |
|----------------------|---------------------|---------|-----------------|----------|-------|---------|-------|--------------|-------|
| | | | | Plimit | Pmax | Plimit | Pmax | Plimit | Pmax |
| WiFi 6GHz | 802.11a 6Mbps | 1 | 5955 | 14.50 | 15.75 | 15.00 | 15.75 | 17.50 | 18.75 |
| | | 57 | 6235 | 14.50 | 15.75 | 15.00 | 15.75 | 17.50 | 18.75 |
| | | 93 | 6415 | 14.50 | 15.75 | 15.00 | 15.75 | 17.50 | 18.75 |
| | | 117 | 6535 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | | 181 | 6855 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | 802.11ax-HE20 MCS0 | 1 | 5955 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | | 57 | 6235 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | | 93 | 6415 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | | 117 | 6535 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | | 181 | 6855 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | 802.11ax-HE40 MCS0 | 3 | 5965 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | | 59 | 6245 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | | 91 | 6405 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | | 123 | 6565 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | | 179 | 6845 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | 802.11ax-HE80 MCS0 | 7 | 5985 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 |
| | | 55 | 6225 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 |
| | | 87 | 6385 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 |
| | | 135 | 6625 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 |
| | | 167 | 6785 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 |
| | 802.11ax-HE160 MCS0 | 15 | 6025 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 |
| | | 47 | 6185 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 |
| | | 79 | 6345 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 |
| | | 143 | 6665 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 |
| | 802.11be-EHT20 MCS0 | 1 | 5955 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | | 57 | 6235 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | | 93 | 6415 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | | 117 | 6535 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | | 181 | 6855 | 14.50 | 16.50 | 15.00 | 16.50 | 17.50 | 19.50 |
| | 802.11be-EHT40 MCS0 | 3 | 5965 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | | 59 | 6245 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| | | 91 | 6405 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 |
| 123 | | 6565 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 | |
| 179 | | 6845 | 14.50 | 16.00 | 15.00 | 16.00 | 17.50 | 19.00 | |
| 802.11be-EHT80 MCS0 | 7 | 5985 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 | |
| | 55 | 6225 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 | |
| | 87 | 6385 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 | |
| | 135 | 6625 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 | |
| | 167 | 6785 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 | |
| 802.11be-EHT160 MCS0 | 15 | 6025 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 | |
| | 47 | 6185 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 | |
| | 79 | 6345 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 | |
| | 143 | 6665 | 14.50 | 15.50 | 15.00 | 15.50 | 17.50 | 18.50 | |
| 802.11be-EHT320 MCS0 | 31 | 6105 | 14.50 | 14.50 | 15.00 | 14.50 | 17.50 | 17.50 | |
| | 63 | 6265 | 14.50 | 14.50 | 15.00 | 14.50 | 17.50 | 17.50 | |