

## Standalone SAR test exclusion considerations

S = Maximum power density (mW/cm2)  
P = Power input to the antenna (mW)  
G = Numeric power gain of the antenna  
R = Distance to the center of the radiation of the antenna  
EIRP = Equivalent Isotropic Radiated Power(mW) (=P\*G)

| Frequency range (MHz) |   |         | Electric Field strength (V/m) | Magnetic field strength (A/m) | Power Density (mW/cm2) | Averaging time (minutes) |
|-----------------------|---|---------|-------------------------------|-------------------------------|------------------------|--------------------------|
| 0.3                   | ~ | 1.34    | 614                           | 1.63                          | *100                   | 30                       |
| 1.34                  | ~ | 30      | 824 / f                       | 2.19 / f                      | *180 / f2              | 30                       |
| 30                    | ~ | 300     | 27.5                          | 0.073                         | 0.2                    | 30                       |
| 300                   | ~ | 1,500   |                               |                               | f / 1500               | 30                       |
| 1,500                 | ~ | 100,000 |                               |                               | 1                      | 30                       |

Model Name : RSE

FCC ID : 2A17Y-RSE

Separation distance (R): 20.0 cm

| Modulation     |                | Frequency (MHz) | Measured Maximum Output Power | Tune-up tolerance | Max. Power with tune-up tolerance (P) |       | Antenna Gain (G) |           | Power Density (S) | Limit of Power Density (S) | Result |
|----------------|----------------|-----------------|-------------------------------|-------------------|---------------------------------------|-------|------------------|-----------|-------------------|----------------------------|--------|
|                |                |                 | (dBm)                         | (dB)              | (dBm)                                 | (mW)  | (dBi)            | (numeric) |                   |                            |        |
| 2.4GHz         | BDR            | 2402            | 3.06                          | ± 1.00            | 4.06                                  | 2.55  | 1.88             | 1.54      | 0.0008            | 1.00                       | PASS   |
|                |                | 2442            | 3.79                          |                   | 4.79                                  | 3.01  | 1.88             | 1.54      | 0.0009            | 1.00                       | PASS   |
|                |                | 2480            | 4.97                          |                   | 5.97                                  | 3.95  | 1.88             | 1.54      | 0.0012            | 1.00                       | PASS   |
|                | EDR            | 2402            | 1.28                          | ± 1.00            | 2.28                                  | 1.69  | 1.88             | 1.54      | 0.0005            | 1.00                       | PASS   |
|                |                | 2442            | 1.70                          |                   | 2.70                                  | 1.86  | 1.88             | 1.54      | 0.0006            | 1.00                       | PASS   |
|                |                | 2480            | 1.79                          |                   | 2.79                                  | 1.90  | 1.88             | 1.54      | 0.0006            | 1.00                       | PASS   |
|                | 802.11b        | 2412            | 13.05                         | ± 1.00            | 14.05                                 | 25.41 | 1.88             | 1.54      | 0.0078            | 1.00                       | PASS   |
|                |                | 2437            | 13.10                         |                   | 14.10                                 | 25.70 | 1.88             | 1.54      | 0.0079            | 1.00                       | PASS   |
|                |                | 2462            | 13.06                         |                   | 14.06                                 | 25.47 | 1.88             | 1.54      | 0.0078            | 1.00                       | PASS   |
|                | 802.11g        | 2412            | 12.51                         | ± 1.00            | 13.51                                 | 22.44 | 1.88             | 1.54      | 0.0069            | 1.00                       | PASS   |
|                |                | 2437            | 12.64                         |                   | 13.64                                 | 23.12 | 1.88             | 1.54      | 0.0071            | 1.00                       | PASS   |
|                |                | 2462            | 12.80                         |                   | 13.80                                 | 23.99 | 1.88             | 1.54      | 0.0074            | 1.00                       | PASS   |
|                | 802.11n_HT20   | 2412            | 12.35                         | ± 1.00            | 13.35                                 | 21.63 | 1.88             | 1.54      | 0.0066            | 1.00                       | PASS   |
|                |                | 2437            | 12.27                         |                   | 13.27                                 | 21.23 | 1.88             | 1.54      | 0.0065            | 1.00                       | PASS   |
|                |                | 2462            | 12.36                         |                   | 13.36                                 | 21.68 | 1.88             | 1.54      | 0.0066            | 1.00                       | PASS   |
|                | 802.11a        | 5180            | 8.53                          | ± 1.00            | 9.53                                  | 8.97  | 3.60             | 2.29      | 0.0041            | 1.00                       | PASS   |
|                |                | 5220            | 8.21                          |                   | 9.21                                  | 8.34  | 3.60             | 2.29      | 0.0038            | 1.00                       | PASS   |
|                |                | 5240            | 8.43                          |                   | 9.43                                  | 8.77  | 3.60             | 2.29      | 0.0040            | 1.00                       | PASS   |
|                | 802.11n_HT20   | 5180            | 8.30                          | ± 1.00            | 9.30                                  | 8.51  | 3.60             | 2.29      | 0.0039            | 1.00                       | PASS   |
|                |                | 5220            | 8.07                          |                   | 9.07                                  | 8.07  | 3.60             | 2.29      | 0.0037            | 1.00                       | PASS   |
|                |                | 5240            | 8.19                          |                   | 9.19                                  | 8.30  | 3.60             | 2.29      | 0.0038            | 1.00                       | PASS   |
|                | 802.11n_HT40   | 5190            | 8.67                          | ± 1.00            | 9.67                                  | 9.27  | 3.60             | 2.29      | 0.0042            | 1.00                       | PASS   |
|                |                | 5230            | 8.61                          |                   | 9.61                                  | 9.14  | 3.60             | 2.29      | 0.0042            | 1.00                       | PASS   |
|                |                | 5180            | 6.68                          |                   | 9.03                                  | 8.00  | 3.60             | 2.29      | 0.0036            | 1.00                       | PASS   |
|                | 802.11ac_VHT20 | 5220            | 6.41                          | ± 1.00            | 9.09                                  | 8.11  | 3.60             | 2.29      | 0.0037            | 1.00                       | PASS   |
|                |                | 5240            | 6.53                          |                   | 9.43                                  | 6.97  | 3.60             | 2.29      | 0.0032            | 1.00                       | PASS   |
|                |                | 5190            | 7.58                          |                   | 8.58                                  | 7.21  | 3.60             | 2.29      | 0.0033            | 1.00                       | PASS   |
|                | 802.11ac_VHT40 | 5230            | 7.35                          | ± 1.00            | 8.35                                  | 6.84  | 3.60             | 2.29      | 0.0031            | 1.00                       | PASS   |
| 5260           |                | 8.48            | 9.48                          |                   | 8.87                                  | 3.60  | 2.29             | 0.0040    | 1.00              | PASS                       |        |
| 5300           |                | 8.05            | 9.05                          |                   | 8.04                                  | 3.60  | 2.29             | 0.0037    | 1.00              | PASS                       |        |
| 802.11a        | 5320           | 8.41            | ± 1.00                        | 9.41              | 8.73                                  | 3.60  | 2.29             | 0.0040    | 1.00              | PASS                       |        |
|                | 5260           | 8.08            |                               | 9.08              | 8.09                                  | 3.60  | 2.29             | 0.0037    | 1.00              | PASS                       |        |
|                | 5300           | 7.95            |                               | 8.95              | 7.85                                  | 3.60  | 2.29             | 0.0036    | 1.00              | PASS                       |        |
| 802.11n_HT20   | 5320           | 8.18            | ± 1.00                        | 9.18              | 8.28                                  | 3.60  | 2.29             | 0.0038    | 1.00              | PASS                       |        |
|                | 5270           | 8.50            |                               | 9.50              | 8.91                                  | 3.60  | 2.29             | 0.0041    | 1.00              | PASS                       |        |
|                | 5310           | 8.36            |                               | 9.36              | 8.63                                  | 3.60  | 2.29             | 0.0039    | 1.00              | PASS                       |        |
| 802.11ac_VHT20 | 5260           | 6.66            | ± 1.00                        | 9.09              | 8.11                                  | 3.60  | 2.29             | 0.0037    | 1.00              | PASS                       |        |
|                | 5300           | 6.18            |                               | 1.00              | 1.26                                  | 3.60  | 2.29             | 0.0006    | 1.00              | PASS                       |        |
|                | 5320           | 6.29            |                               | 1.00              | 1.26                                  | 3.60  | 2.29             | 0.0006    | 1.00              | PASS                       |        |
| 802.11ac_VHT40 | 5270           | 7.06            | ± 1.00                        | 8.06              | 6.40                                  | 3.60  | 2.29             | 0.0029    | 1.00              | PASS                       |        |
|                | 5310           | 7.16            |                               | 8.16              | 6.55                                  | 3.60  | 2.29             | 0.0030    | 1.00              | PASS                       |        |

|         |                    |      |      |        |       |       |      |      |        |      |      |
|---------|--------------------|------|------|--------|-------|-------|------|------|--------|------|------|
| UNII-2C | 802.11a            | 5500 | 8.80 | ± 1.00 | 9.80  | 9.55  | 3.60 | 2.29 | 0.0044 | 1.00 | PASS |
|         |                    | 5600 | 8.88 |        | 9.88  | 9.73  | 3.60 | 2.29 | 0.0044 | 1.00 | PASS |
|         |                    | 5700 | 8.03 |        | 9.03  | 8.00  | 3.60 | 2.29 | 0.0036 | 1.00 | PASS |
|         | 802.11n_HT2<br>0   | 5500 | 8.33 | ± 1.00 | 9.33  | 8.57  | 3.60 | 2.29 | 0.0039 | 1.00 | PASS |
|         |                    | 5600 | 8.58 |        | 9.58  | 9.08  | 3.60 | 2.29 | 0.0041 | 1.00 | PASS |
|         |                    | 5700 | 7.41 |        | 8.41  | 6.93  | 3.60 | 2.29 | 0.0032 | 1.00 | PASS |
|         | 802.11n_HT4<br>0   | 5510 | 8.85 | ± 1.00 | 9.85  | 9.66  | 3.60 | 2.29 | 0.0044 | 1.00 | PASS |
|         |                    | 5590 | 9.13 |        | 10.13 | 10.30 | 3.60 | 2.29 | 0.0047 | 1.00 | PASS |
|         |                    | 5670 | 8.47 |        | 9.47  | 8.85  | 3.60 | 2.29 | 0.0040 | 1.00 | PASS |
|         | 802.11ac_VH<br>T20 | 5500 | 7.28 | ± 1.00 | 8.28  | 6.73  | 3.60 | 2.29 | 0.0031 | 1.00 | PASS |
|         |                    | 5600 | 7.16 |        | 8.16  | 6.55  | 3.60 | 2.29 | 0.0020 | 1.00 | PASS |
|         |                    | 5700 | 6.16 |        | 7.16  | 5.20  | 3.60 | 2.29 | 0.0024 | 1.00 | PASS |
|         | 802.11ac_VH<br>T40 | 5510 | 7.79 | ± 1.00 | 8.79  | 7.57  | 3.60 | 2.29 | 0.0034 | 1.00 | PASS |
|         |                    | 5590 | 7.99 |        | 8.99  | 7.93  | 3.60 | 2.29 | 0.0036 | 1.00 | PASS |
|         |                    | 5670 | 7.39 |        | 8.39  | 6.90  | 3.60 | 2.29 | 0.0031 | 1.00 | PASS |
| UNII-3  | 802.11a            | 5745 | 8.09 | ± 1.00 | 9.09  | 8.11  | 3.60 | 2.29 | 0.0037 | 1.00 | PASS |
|         |                    | 5785 | 7.43 |        | 8.43  | 6.97  | 3.60 | 2.29 | 0.0032 | 1.00 | PASS |
|         |                    | 5825 | 6.71 |        | 7.71  | 5.90  | 3.60 | 2.29 | 0.0027 | 1.00 | PASS |
|         | 802.11n_HT2<br>0   | 5745 | 7.48 | ± 1.00 | 8.48  | 7.05  | 3.60 | 2.29 | 0.0032 | 1.00 | PASS |
|         |                    | 5785 | 7.03 |        | 8.03  | 6.35  | 3.60 | 2.29 | 0.0029 | 1.00 | PASS |
|         |                    | 5825 | 6.33 |        | 7.33  | 5.41  | 3.60 | 2.29 | 0.0025 | 1.00 | PASS |
|         | 802.11n_HT4<br>0   | 5755 | 7.98 | ± 1.00 | 8.98  | 7.91  | 3.60 | 2.29 | 0.0036 | 1.00 | PASS |
|         |                    | 5795 | 7.16 |        | 8.16  | 6.55  | 3.60 | 2.29 | 0.0030 | 1.00 | PASS |
|         |                    | 5825 | 6.34 |        | 1.00  | 1.26  | 3.60 | 2.29 | 0.0006 | 1.00 | PASS |
|         | 802.11ac_VH<br>T20 | 5785 | 5.61 | ± 1.00 | 1.00  | 1.26  | 3.60 | 2.29 | 0.0006 | 1.00 | PASS |
|         |                    | 5825 | 5.19 |        | 1.00  | 1.26  | 3.60 | 2.29 | 0.0006 | 1.00 | PASS |
|         |                    | 5755 | 6.92 | ± 1.00 | 7.92  | 6.19  | 3.60 | 2.29 | 0.0028 | 1.00 | PASS |
|         |                    | 5795 | 6.12 |        | 7.12  | 5.15  | 3.60 | 2.29 | 0.0023 | 1.00 | PASS |

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the user.