



<CDD Modes>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|------------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11a CH 149 5745MHz | | 5631.2 | 57.12 | -11.18 | 68.3 | 44.16 | 32.17 | 11.79 | 31 | 123 | 96 | P | H | |
| | | 5699.8 | 69.62 | -35.53 | 105.15 | 56.54 | 32.27 | 11.82 | 31.01 | 123 | 96 | P | H | |
| | | 5719.2 | 79.37 | -31.31 | 110.68 | 66.24 | 32.31 | 11.84 | 31.02 | 123 | 96 | P | H | |
| | | 5725 | 89.03 | -33.27 | 122.3 | 75.9 | 32.31 | 11.84 | 31.02 | 123 | 96 | P | H | |
| | * | 5745 | 112.18 | - | - | 99.01 | 32.34 | 11.86 | 31.03 | 123 | 96 | P | H | |
| | * | 5745 | 101.32 | - | - | 88.15 | 32.34 | 11.86 | 31.03 | 123 | 96 | A | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 5606.6 | 59.66 | -8.64 | 68.3 | 46.74 | 32.14 | 11.77 | 30.99 | 126 | 172 | P | V |
| | | | 5698 | 62.99 | -40.84 | 103.83 | 49.91 | 32.27 | 11.82 | 31.01 | 126 | 172 | P | V |
| | | | 5720 | 73.31 | -37.59 | 110.9 | 60.18 | 32.31 | 11.84 | 31.02 | 126 | 172 | P | V |
| | | | 5724.6 | 82.99 | -38.4 | 121.39 | 69.86 | 32.31 | 11.84 | 31.02 | 126 | 172 | P | V |
| | * | | 5745 | 107.21 | - | - | 94.04 | 32.34 | 11.86 | 31.03 | 126 | 172 | P | V |
| | * | | 5745 | 97.44 | - | - | 84.27 | 32.34 | 11.86 | 31.03 | 126 | 172 | A | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |



| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|------------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11a CH 157 5785MHz | | 5612.4 | 60.17 | -8.13 | 68.3 | 47.25 | 32.14 | 11.77 | 30.99 | 100 | 102 | P | H | |
| | | 5685.8 | 60.66 | -34.16 | 94.82 | 47.58 | 32.27 | 11.82 | 31.01 | 100 | 102 | P | H | |
| | | 5707.6 | 60.36 | -47.07 | 107.43 | 47.25 | 32.29 | 11.84 | 31.02 | 100 | 102 | P | H | |
| | | 5722.6 | 60.97 | -55.86 | 116.83 | 47.84 | 32.31 | 11.84 | 31.02 | 100 | 102 | P | H | |
| | * | 5782 | 111.93 | - | - | 98.71 | 32.39 | 11.88 | 31.05 | 100 | 102 | P | H | |
| | * | 5782 | 103.64 | - | - | 90.42 | 32.39 | 11.88 | 31.05 | 100 | 102 | A | H | |
| | | 5853.2 | 60.76 | -54.24 | 115 | 47.31 | 32.48 | 12.03 | 31.06 | 100 | 102 | P | H | |
| | | 5873.2 | 60.6 | -45.2 | 105.8 | 46.97 | 32.53 | 12.17 | 31.07 | 100 | 102 | P | H | |
| | | 5899 | 60.28 | -27.22 | 87.5 | 46.63 | 32.56 | 12.17 | 31.08 | 100 | 102 | P | H | |
| | | 5946.2 | 60.59 | -7.71 | 68.3 | 46.6 | 32.63 | 12.45 | 31.09 | 100 | 102 | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 5630.8 | 59.63 | -8.67 | 68.3 | 46.67 | 32.17 | 11.79 | 31 | 376 | 94 | P | V |
| | | | 5685.2 | 61.01 | -33.37 | 94.38 | 47.93 | 32.27 | 11.82 | 31.01 | 376 | 94 | P | V |
| | | | 5711 | 60.66 | -47.72 | 108.38 | 47.55 | 32.29 | 11.84 | 31.02 | 376 | 94 | P | V |
| | | | 5724 | 59.66 | -60.36 | 120.02 | 46.53 | 32.31 | 11.84 | 31.02 | 376 | 94 | P | V |
| | * | | 5783 | 110.79 | - | - | 97.57 | 32.39 | 11.88 | 31.05 | 376 | 94 | P | V |
| | * | | 5783 | 101.85 | - | - | 88.63 | 32.39 | 11.88 | 31.05 | 376 | 94 | A | V |
| | | | 5852.4 | 59.72 | -57.11 | 116.83 | 46.27 | 32.48 | 12.03 | 31.06 | 376 | 94 | P | V |
| | | | 5872.8 | 60.11 | -45.81 | 105.92 | 46.48 | 32.53 | 12.17 | 31.07 | 376 | 94 | P | V |
| | | 5893 | 60.89 | -31.05 | 91.94 | 47.24 | 32.56 | 12.17 | 31.08 | 376 | 94 | P | V | |
| | | 5945.4 | 60.71 | -7.59 | 68.3 | 46.72 | 32.63 | 12.45 | 31.09 | 376 | 94 | P | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |



| WiFi Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11a CH 165 5825MHz | * | 5825 | 110.19 | - | - | 96.75 | 32.46 | 12.03 | 31.05 | 128 | 98 | P | H | |
| | * | 5825 | 99.55 | - | - | 86.11 | 32.46 | 12.03 | 31.05 | 128 | 98 | A | H | |
| | | 5852.8 | 78.83 | -37.09 | 115.92 | 65.38 | 32.48 | 12.03 | 31.06 | 128 | 98 | P | H | |
| | | 5856.2 | 75.88 | -34.68 | 110.56 | 62.4 | 32.51 | 12.03 | 31.06 | 128 | 98 | P | H | |
| | | 5877.4 | 68.67 | -34.85 | 103.52 | 55.04 | 32.53 | 12.17 | 31.07 | 128 | 98 | P | H | |
| | | 5933.2 | 60.43 | -7.87 | 68.3 | 46.61 | 32.6 | 12.31 | 31.09 | 128 | 98 | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | * | 5825 | 108.4 | - | - | 94.96 | 32.46 | 12.03 | 31.05 | 100 | 171 | P | V | |
| | * | 5825 | 97.54 | - | - | 84.1 | 32.46 | 12.03 | 31.05 | 100 | 171 | A | V | |
| | | 5850.6 | 77.32 | -43.61 | 120.93 | 63.87 | 32.48 | 12.03 | 31.06 | 100 | 171 | P | V | |
| | | 5856.6 | 73.15 | -37.3 | 110.45 | 59.67 | 32.51 | 12.03 | 31.06 | 100 | 171 | P | V | |
| | | 5877.4 | 65.15 | -38.37 | 103.52 | 51.52 | 32.53 | 12.17 | 31.07 | 100 | 171 | P | V | |
| | | 5942.6 | 60.96 | -7.34 | 68.3 | 46.97 | 32.63 | 12.45 | 31.09 | 100 | 171 | P | V | |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11a CH 149 5745MHz | | 11490 | 47.41 | -26.59 | 74 | 46.68 | 40.11 | 18.4 | 57.78 | 100 | 0 | P | H |
| | | 17232 | 58.27 | -10.03 | 68.3 | 50.62 | 41.65 | 23.14 | 57.14 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | 11490 | 47.55 | -26.45 | 74 | 46.82 | 40.11 | 18.4 | 57.78 | 100 | 0 | P | V |
| | | 17238 | 59.16 | -9.14 | 68.3 | 51.51 | 41.65 | 23.14 | 57.14 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| 802.11a CH 157 5785MHz | | 11570 | 47.62 | -26.38 | 74 | 46.98 | 39.95 | 18.49 | 57.8 | 100 | 0 | P | H |
| | | 17352 | 56.85 | -11.45 | 68.3 | 49.14 | 42.02 | 23.25 | 57.56 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | 11570 | 46.84 | -27.16 | 74 | 46.2 | 39.95 | 18.49 | 57.8 | 100 | 0 | P | V |
| | | 17352 | 56.08 | -12.22 | 68.3 | 48.37 | 42.02 | 23.25 | 57.56 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| 802.11a CH 165 5825MHz | | 11650 | 46.79 | -27.21 | 74 | 46.21 | 39.8 | 18.58 | 57.8 | 100 | 0 | P | H |
| | | 17475 | 53.79 | -14.51 | 68.3 | 46.02 | 42.39 | 23.36 | 57.98 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | 11650 | 47.38 | -26.62 | 74 | 46.8 | 39.8 | 18.58 | 57.8 | 100 | 0 | P | V |
| | | 17475 | 55.94 | -12.36 | 68.3 | 48.17 | 42.39 | 23.36 | 57.98 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|-------------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ac VHT20 CH 149 5745MHz | | 5649.4 | 59.88 | -8.42 | 68.3 | 46.9 | 32.19 | 11.79 | 31 | 100 | 98 | P | H | |
| | | 5693.6 | 64.57 | -36.01 | 100.58 | 51.49 | 32.27 | 11.82 | 31.01 | 100 | 98 | P | H | |
| | | 5719.6 | 75.56 | -35.23 | 110.79 | 62.43 | 32.31 | 11.84 | 31.02 | 100 | 98 | P | H | |
| | | 5723.6 | 83.61 | -35.5 | 119.11 | 70.48 | 32.31 | 11.84 | 31.02 | 100 | 98 | P | H | |
| | * | 5745 | 110.33 | - | - | 97.16 | 32.34 | 11.86 | 31.03 | 100 | 98 | P | H | |
| | * | 5745 | 101.29 | - | - | 88.12 | 32.34 | 11.86 | 31.03 | 100 | 98 | A | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 5631 | 60.37 | -7.93 | 68.3 | 47.41 | 32.17 | 11.79 | 31 | 100 | 118 | P | V |
| | | | 5700 | 64.83 | -40.47 | 105.3 | 51.75 | 32.27 | 11.82 | 31.01 | 100 | 118 | P | V |
| | | | 5720 | 75.7 | -35.2 | 110.9 | 62.57 | 32.31 | 11.84 | 31.02 | 100 | 118 | P | V |
| | | | 5722.6 | 82.24 | -34.59 | 116.83 | 69.11 | 32.31 | 11.84 | 31.02 | 100 | 118 | P | V |
| | * | | 5745 | 108.69 | - | - | 95.52 | 32.34 | 11.86 | 31.03 | 100 | 118 | P | V |
| | * | | 5745 | 99.29 | - | - | 86.12 | 32.34 | 11.86 | 31.03 | 100 | 118 | A | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V | |



| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| | | 5632.2 | 59.75 | -8.55 | 68.3 | 46.79 | 32.17 | 11.79 | 31 | 100 | 101 | P | H |
| | | 5697 | 59.86 | -43.23 | 103.09 | 46.78 | 32.27 | 11.82 | 31.01 | 100 | 101 | P | H |
| | | 5714.8 | 60.37 | -49.08 | 109.45 | 47.26 | 32.29 | 11.84 | 31.02 | 100 | 101 | P | H |
| | | 5723.4 | 61.06 | -57.59 | 118.65 | 47.93 | 32.31 | 11.84 | 31.02 | 100 | 101 | P | H |
| | * | 5783 | 111.16 | - | - | 97.94 | 32.39 | 11.88 | 31.05 | 100 | 101 | P | H |
| | * | 5783 | 102.99 | - | - | 89.77 | 32.39 | 11.88 | 31.05 | 100 | 101 | A | H |
| | | 5853.6 | 60.07 | -54.02 | 114.09 | 46.59 | 32.51 | 12.03 | 31.06 | 100 | 101 | P | H |
| | | 5860.2 | 60.89 | -48.55 | 109.44 | 47.28 | 32.51 | 12.17 | 31.07 | 100 | 101 | P | H |
| | | 5919.2 | 60.61 | -11.97 | 72.58 | 46.81 | 32.58 | 12.31 | 31.09 | 100 | 101 | P | H |
| | | 5926.2 | 60.51 | -7.79 | 68.3 | 46.69 | 32.6 | 12.31 | 31.09 | 100 | 101 | P | H |
| 802.11ac | | | | | | | | | | | | | H |
| VHT20 | | | | | | | | | | | | | H |
| CH 157 | | 5629.6 | 59.31 | -8.99 | 68.3 | 46.35 | 32.17 | 11.79 | 31 | 373 | 95 | P | V |
| 5785MHz | | 5683.2 | 60.23 | -32.67 | 92.9 | 47.18 | 32.24 | 11.82 | 31.01 | 373 | 95 | P | V |
| | | 5705.2 | 60.13 | -46.63 | 106.76 | 47.02 | 32.29 | 11.84 | 31.02 | 373 | 95 | P | V |
| | | 5723.4 | 60.16 | -58.49 | 118.65 | 47.03 | 32.31 | 11.84 | 31.02 | 373 | 95 | P | V |
| | * | 5783 | 110.09 | - | - | 96.87 | 32.39 | 11.88 | 31.05 | 373 | 95 | P | V |
| | * | 5783 | 101.44 | - | - | 88.22 | 32.39 | 11.88 | 31.05 | 373 | 95 | A | V |
| | | 5854.2 | 60.08 | -52.64 | 112.72 | 46.6 | 32.51 | 12.03 | 31.06 | 373 | 95 | P | V |
| | | 5867.4 | 60.69 | -46.74 | 107.43 | 47.08 | 32.51 | 12.17 | 31.07 | 373 | 95 | P | V |
| | | 5914.4 | 60.42 | -15.7 | 76.12 | 46.62 | 32.58 | 12.31 | 31.09 | 373 | 95 | P | V |
| | | 5943.4 | 60.33 | -7.97 | 68.3 | 46.34 | 32.63 | 12.45 | 31.09 | 373 | 95 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |



| WiFi Ant. 1+2 | Note | Frequency (MHz) | Level (dBµV/m) | Over Limit (dB) | Limit Line (dBµV/m) | Read Level (dBµV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|--|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ac VHT20 CH 165 5825MHz | * | 5825 | 110.01 | - | - | 96.57 | 32.46 | 12.03 | 31.05 | 100 | 99 | P | H | |
| | * | 5825 | 99.55 | - | - | 86.11 | 32.46 | 12.03 | 31.05 | 100 | 99 | A | H | |
| | | 5850.8 | 76.89 | -43.59 | 120.48 | 63.44 | 32.48 | 12.03 | 31.06 | 100 | 99 | P | H | |
| | | 5857 | 73.27 | -37.07 | 110.34 | 59.79 | 32.51 | 12.03 | 31.06 | 100 | 99 | P | H | |
| | | 5876.4 | 65.67 | -38.59 | 104.26 | 52.04 | 32.53 | 12.17 | 31.07 | 100 | 99 | P | H | |
| | | 5938.6 | 60.18 | -8.12 | 68.3 | 46.33 | 32.63 | 12.31 | 31.09 | 100 | 99 | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | * | 5825 | 107.21 | - | - | 93.77 | 32.46 | 12.03 | 31.05 | 100 | 117 | P | V | |
| | * | 5825 | 97.55 | - | - | 84.11 | 32.46 | 12.03 | 31.05 | 100 | 117 | A | V | |
| | | 5850.2 | 79.44 | -42.4 | 121.84 | 65.99 | 32.48 | 12.03 | 31.06 | 100 | 117 | P | V | |
| | | 5855.6 | 71.72 | -39.01 | 110.73 | 58.24 | 32.51 | 12.03 | 31.06 | 100 | 117 | P | V | |
| | | 5875.2 | 63.79 | -41.36 | 105.15 | 50.16 | 32.53 | 12.17 | 31.07 | 100 | 117 | P | V | |
| | | 5941.6 | 60.9 | -7.4 | 68.3 | 46.91 | 32.63 | 12.45 | 31.09 | 100 | 117 | P | V | |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|-------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ac VHT20 CH 149 5745MHz | | 11490 | 47.51 | -26.49 | 74 | 46.78 | 40.11 | 18.4 | 57.78 | 100 | 0 | P | H | |
| | | 17235 | 58.42 | -9.88 | 68.3 | 50.77 | 41.65 | 23.14 | 57.14 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 11490 | 47.42 | -26.58 | 74 | 46.69 | 40.11 | 18.4 | 57.78 | 100 | 0 | P | V |
| | | | 17235 | 59.28 | -9.02 | 68.3 | 51.63 | 41.65 | 23.14 | 57.14 | 100 | 0 | P | V |
| | | | | | | | | | | | | | | V |
| 802.11ac VHT20 CH 157 5785MHz | | 11570 | 47.66 | -26.34 | 74 | 47.02 | 39.95 | 18.49 | 57.8 | 100 | 0 | P | H | |
| | | 17355 | 56.18 | -12.12 | 68.3 | 48.47 | 42.02 | 23.25 | 57.56 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 11570 | 47.68 | -26.32 | 74 | 47.04 | 39.95 | 18.49 | 57.8 | 100 | 0 | P | V |
| | | | 17355 | 58.92 | -9.38 | 68.3 | 51.21 | 42.02 | 23.25 | 57.56 | 100 | 0 | P | V |
| | | | | | | | | | | | | | | V |
| 802.11ac VHT20 CH 165 5825MHz | | 11650 | 48.41 | -25.59 | 74 | 47.83 | 39.8 | 18.58 | 57.8 | 100 | 0 | P | H | |
| | | 17475 | 52.31 | -15.99 | 68.3 | 44.54 | 42.39 | 23.36 | 57.98 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 11650 | 47.26 | -26.74 | 74 | 46.68 | 39.8 | 18.58 | 57.8 | 100 | 0 | P | V |
| | | | 17475 | 56 | -12.3 | 68.3 | 48.23 | 42.39 | 23.36 | 57.98 | 100 | 0 | P | V |
| | | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. | | | | | | | | | | | | | |
| | 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| | | 5638.6 | 61.69 | -6.61 | 68.3 | 48.71 | 32.19 | 11.79 | 31 | 100 | 96 | P | H |
| | | 5697.4 | 74.51 | -28.87 | 103.38 | 61.43 | 32.27 | 11.82 | 31.01 | 100 | 96 | P | H |
| | | 5713.8 | 86.1 | -23.07 | 109.17 | 72.99 | 32.29 | 11.84 | 31.02 | 100 | 96 | P | H |
| | | 5720.2 | 86.67 | -24.69 | 111.36 | 73.54 | 32.31 | 11.84 | 31.02 | 100 | 96 | P | H |
| | * | 5755 | 107.82 | - | - | 94.63 | 32.36 | 11.86 | 31.03 | 100 | 96 | P | H |
| | * | 5755 | 97.45 | - | - | 84.26 | 32.36 | 11.86 | 31.03 | 100 | 96 | A | H |
| | | 5851 | 60.97 | -59.05 | 120.02 | 47.52 | 32.48 | 12.03 | 31.06 | 100 | 96 | P | H |
| | | 5855.6 | 61.11 | -49.62 | 110.73 | 47.63 | 32.51 | 12.03 | 31.06 | 100 | 96 | P | H |
| | | 5895.6 | 60.48 | -29.54 | 90.02 | 46.83 | 32.56 | 12.17 | 31.08 | 100 | 96 | P | H |
| | | 5939.4 | 60.24 | -8.06 | 68.3 | 46.39 | 32.63 | 12.31 | 31.09 | 100 | 96 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| 802.11ac VHT40 CH 151 5755MHz | | 5647.6 | 60.81 | -7.49 | 68.3 | 47.83 | 32.19 | 11.79 | 31 | 100 | 118 | P | V |
| | | 5698.8 | 70.61 | -33.81 | 104.42 | 57.53 | 32.27 | 11.82 | 31.01 | 100 | 118 | P | V |
| | | 5718.2 | 83.09 | -27.31 | 110.4 | 69.96 | 32.31 | 11.84 | 31.02 | 100 | 118 | P | V |
| | | 5720.6 | 84.15 | -28.12 | 112.27 | 71.02 | 32.31 | 11.84 | 31.02 | 100 | 118 | P | V |
| | * | 5755 | 105.64 | - | - | 92.45 | 32.36 | 11.86 | 31.03 | 100 | 118 | P | V |
| | * | 5755 | 95.84 | - | - | 82.65 | 32.36 | 11.86 | 31.03 | 100 | 118 | A | V |
| | | 5850.8 | 62.31 | -58.17 | 120.48 | 48.86 | 32.48 | 12.03 | 31.06 | 100 | 118 | P | V |
| | | 5858.4 | 61.66 | -48.29 | 109.95 | 48.19 | 32.51 | 12.03 | 31.07 | 100 | 118 | P | V |
| | | 5875.8 | 61.04 | -43.67 | 104.71 | 47.41 | 32.53 | 12.17 | 31.07 | 100 | 118 | P | V |
| | | 5949 | 61.51 | -6.79 | 68.3 | 47.52 | 32.63 | 12.45 | 31.09 | 100 | 118 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |



| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| | | 5637.8 | 59.91 | -8.39 | 68.3 | 46.93 | 32.19 | 11.79 | 31 | 100 | 97 | P | H |
| | | 5692.6 | 62.77 | -37.07 | 99.84 | 49.69 | 32.27 | 11.82 | 31.01 | 100 | 97 | P | H |
| | | 5716.6 | 66.36 | -43.59 | 109.95 | 53.25 | 32.29 | 11.84 | 31.02 | 100 | 97 | P | H |
| | | 5723.4 | 66.77 | -51.88 | 118.65 | 53.64 | 32.31 | 11.84 | 31.02 | 100 | 97 | P | H |
| | * | 5795 | 105.99 | - | - | 92.75 | 32.41 | 11.88 | 31.05 | 100 | 97 | P | H |
| | * | 5795 | 97.62 | - | - | 84.38 | 32.41 | 11.88 | 31.05 | 100 | 97 | A | H |
| | | 5851 | 67.78 | -52.24 | 120.02 | 54.33 | 32.48 | 12.03 | 31.06 | 100 | 97 | P | H |
| | | 5856.2 | 68.74 | -41.82 | 110.56 | 55.26 | 32.51 | 12.03 | 31.06 | 100 | 97 | P | H |
| | | 5875.8 | 62.15 | -42.56 | 104.71 | 48.52 | 32.53 | 12.17 | 31.07 | 100 | 97 | P | H |
| | | 5934 | 60.73 | -7.57 | 68.3 | 46.91 | 32.6 | 12.31 | 31.09 | 100 | 97 | P | H |
| 802.11ac | | | | | | | | | | | | | H |
| VHT40 | | | | | | | | | | | | | H |
| CH 159 | | 5646 | 59.69 | -8.61 | 68.3 | 46.71 | 32.19 | 11.79 | 31 | 100 | 110 | P | V |
| 5795MHz | | 5698 | 61.12 | -42.71 | 103.83 | 48.04 | 32.27 | 11.82 | 31.01 | 100 | 110 | P | V |
| | | 5718 | 64.23 | -46.11 | 110.34 | 51.1 | 32.31 | 11.84 | 31.02 | 100 | 110 | P | V |
| | | 5723.2 | 63.65 | -54.55 | 118.2 | 50.52 | 32.31 | 11.84 | 31.02 | 100 | 110 | P | V |
| | * | 5795 | 104.32 | - | - | 91.08 | 32.41 | 11.88 | 31.05 | 100 | 110 | P | V |
| | * | 5795 | 96.51 | - | - | 83.27 | 32.41 | 11.88 | 31.05 | 100 | 110 | A | V |
| | | 5850 | 68.23 | -54.07 | 122.3 | 54.78 | 32.48 | 12.03 | 31.06 | 100 | 110 | P | V |
| | | 5855.2 | 66.98 | -43.86 | 110.84 | 53.5 | 32.51 | 12.03 | 31.06 | 100 | 110 | P | V |
| | | 5875 | 61.99 | -43.31 | 105.3 | 48.36 | 32.53 | 12.17 | 31.07 | 100 | 110 | P | V |
| | | 5932.4 | 60.76 | -7.54 | 68.3 | 46.94 | 32.6 | 12.31 | 31.09 | 100 | 110 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|-------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ac VHT40 CH 151 5755MHz | | 11510 | 47.1 | -26.9 | 74 | 46.35 | 40.1 | 18.45 | 57.8 | 100 | 0 | P | H | |
| | | 17265 | 56.03 | -12.27 | 68.3 | 48.37 | 41.75 | 23.17 | 57.26 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 11510 | 47.02 | -26.98 | 74 | 46.27 | 40.1 | 18.45 | 57.8 | 100 | 0 | P | V |
| | | | 17265 | 55.04 | -13.26 | 68.3 | 47.38 | 41.75 | 23.17 | 57.26 | 100 | 0 | P | V |
| | | | | | | | | | | | | | | V |
| 802.11ac VHT40 CH 159 5795MHz | | 11590 | 46.63 | -27.37 | 74 | 45.98 | 39.91 | 18.54 | 57.8 | 100 | 0 | P | H | |
| | | 17385 | 53.37 | -14.93 | 68.3 | 45.63 | 42.13 | 23.29 | 57.68 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 11590 | 46.56 | -27.44 | 74 | 45.91 | 39.91 | 18.54 | 57.8 | 100 | 0 | P | V |
| | | | 17385 | 54.66 | -13.64 | 68.3 | 46.92 | 42.13 | 23.29 | 57.68 | 100 | 0 | P | V |
| | | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. | | | | | | | | | | | | | |
| | 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| | | 5631.6 | 65.95 | -2.35 | 68.3 | 52.99 | 32.17 | 11.79 | 31 | 100 | 94 | P | H |
| | | 5650.4 | 66.38 | -2.22 | 68.6 | 53.37 | 32.22 | 11.79 | 31 | 100 | 94 | P | H |
| | | 5698.8 | 80.82 | -23.6 | 104.42 | 67.74 | 32.27 | 11.82 | 31.01 | 100 | 94 | P | H |
| | | 5711 | 83.09 | -25.29 | 108.38 | 69.98 | 32.29 | 11.84 | 31.02 | 100 | 94 | P | H |
| | | 5720.2 | 83.92 | -27.44 | 111.36 | 70.79 | 32.31 | 11.84 | 31.02 | 100 | 94 | P | H |
| | * | 5773 | 105.51 | - | - | 92.3 | 32.39 | 11.86 | 31.04 | 100 | 94 | P | H |
| | * | 5773 | 95.97 | - | - | 82.76 | 32.39 | 11.86 | 31.04 | 100 | 94 | A | H |
| | | 5851.4 | 79.38 | -39.73 | 119.11 | 65.93 | 32.48 | 12.03 | 31.06 | 100 | 94 | P | H |
| | | 5863.6 | 77.1 | -31.39 | 108.49 | 63.49 | 32.51 | 12.17 | 31.07 | 100 | 94 | P | H |
| | | 5875.6 | 75.4 | -29.45 | 104.85 | 61.77 | 32.53 | 12.17 | 31.07 | 100 | 94 | P | H |
| 802.11ac VHT80 CH 155 5775MHz | | 5940.4 | 61.06 | -7.24 | 68.3 | 47.07 | 32.63 | 12.45 | 31.09 | 100 | 94 | P | H |
| | | | | | | | | | | | | | H |
| | | 5649.6 | 64.68 | -3.62 | 68.3 | 51.67 | 32.22 | 11.79 | 31 | 308 | 98 | P | V |
| | | 5697 | 78.57 | -24.52 | 103.09 | 65.49 | 32.27 | 11.82 | 31.01 | 308 | 98 | P | V |
| | | 5720 | 81.57 | -29.33 | 110.9 | 68.44 | 32.31 | 11.84 | 31.02 | 308 | 98 | P | V |
| | | 5725 | 80.7 | -41.6 | 122.3 | 67.57 | 32.31 | 11.84 | 31.02 | 308 | 98 | P | V |
| | * | 5777 | 103.67 | - | - | 90.46 | 32.39 | 11.86 | 31.04 | 308 | 98 | P | V |
| | * | 5777 | 94.51 | - | - | 81.3 | 32.39 | 11.86 | 31.04 | 308 | 98 | A | V |
| | | 5852.4 | 76.3 | -40.53 | 116.83 | 62.85 | 32.48 | 12.03 | 31.06 | 308 | 98 | P | V |
| | | 5857.2 | 74.81 | -35.47 | 110.28 | 61.33 | 32.51 | 12.03 | 31.06 | 308 | 98 | P | V |
| | | 5877.8 | 71.15 | -32.07 | 103.22 | 57.52 | 32.53 | 12.17 | 31.07 | 308 | 98 | P | V |
| | | 5928 | 60.97 | -7.33 | 68.3 | 47.15 | 32.6 | 12.31 | 31.09 | 308 | 98 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency (MHz) | Level (dBμV/m) | Over Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|-------------------------------|---|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ac VHT80 CH 155 5775MHz | | 11550 | 46.37 | -27.63 | 74 | 45.69 | 39.99 | 18.49 | 57.8 | 100 | 0 | P | H | |
| | | 17325 | 50.02 | -18.28 | 68.3 | 42.34 | 41.91 | 23.21 | 57.44 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 11550 | 46.58 | -27.42 | 74 | 45.9 | 39.99 | 18.49 | 57.8 | 100 | 0 | P | V |
| | | | 17325 | 50.55 | -17.75 | 68.3 | 42.87 | 41.91 | 23.21 | 57.44 | 100 | 0 | P | V |
| | | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Note symbol

| | |
|-----|--|
| * | Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| ! | Test result is over limit line. |
| P/A | Peak or Average |
| H/V | Horizontal or Vertical |



A calculation example for radiated spurious emission is shown as below:

| WIFI | Note | Frequency | Level | Over | Limit | Read | Antenna | Cable | Preamp | Ant | Table | Peak | Pol. |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant. | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| 1+2 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11b | | 2390 | 55.45 | -18.55 | 74 | 54.51 | 32.22 | 4.58 | 35.86 | 103 | 308 | P | H |
| CH 01 | | | | | | | | | | | | | |
| 2412MHz | | 2390 | 43.54 | -10.46 | 54 | 42.6 | 32.22 | 4.58 | 35.86 | 103 | 308 | A | H |

- Level(dBμV/m) =
Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
- Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

- Level(dBμV/m)
= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
- Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

- Level(dBμV/m)
= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
- Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.