



Appendix B. Radiated Spurious Emission

| | | | |
|-----------------|---|---------------------|---------|
| Test Engineer : | Elvis Chen and Stan Hsieh and Karl Hou and Lewis He | Temperature : | 21~23°C |
| | | Relative Humidity : | 41~42% |

<For Sample 2>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI Ant. 1 | 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 36 5180MHz | | 5145.2 | 65.54 | -8.46 | 74 | 58.19 | 31.98 | 7.94 | 32.57 | 135 | 35 | P | H | |
| | | 5150 | 51.16 | -2.84 | 54 | 43.81 | 31.98 | 7.94 | 32.57 | 135 | 35 | A | H | |
| | * | 5182 | 113.14 | - | - | 105.78 | 32.02 | 7.91 | 32.57 | 135 | 35 | P | H | |
| | * | 5182 | 105.95 | - | - | 98.59 | 32.02 | 7.91 | 32.57 | 135 | 35 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | | | 5150 | 65.03 | -8.97 | 74 | 57.68 | 31.98 | 7.94 | 32.57 | 104 | 78 | P | V |
| | | | 5150 | 49.6 | -4.4 | 54 | 42.25 | 31.98 | 7.94 | 32.57 | 104 | 78 | A | V |
| | * | | 5178 | 111.71 | - | - | 104.35 | 32.02 | 7.91 | 32.57 | 104 | 78 | P | V |
| | * | | 5178 | 103.03 | - | - | 95.67 | 32.02 | 7.91 | 32.57 | 104 | 78 | A | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| 802.11a CH 44 5220MHz | | 5124.05 | 54.15 | -19.85 | 74 | 46.82 | 31.96 | 7.94 | 32.57 | 100 | 29 | P | H | |
| | | 5129 | 45.97 | -8.03 | 54 | 38.64 | 31.96 | 7.94 | 32.57 | 100 | 29 | A | H | |
| | * | 5218 | 115.97 | - | - | 108.47 | 32.06 | 8.01 | 32.57 | 100 | 29 | P | H | |
| | * | 5218 | 108.41 | - | - | 100.91 | 32.06 | 8.01 | 32.57 | 100 | 29 | A | H | |
| | | | 5437.56 | 51.86 | -22.14 | 74 | 43.82 | 32.32 | 8.29 | 32.57 | 100 | 29 | P | H |
| | | | 5408.74 | 42.13 | -11.87 | 54 | 34.13 | 32.28 | 8.29 | 32.57 | 100 | 29 | A | H |
| | | | 5146.25 | 55.32 | -18.68 | 74 | 47.97 | 31.98 | 7.94 | 32.57 | 100 | 81 | P | V |
| | | | 5128.7 | 43.85 | -10.15 | 54 | 36.52 | 31.96 | 7.94 | 32.57 | 100 | 81 | A | V |
| | * | | 5218 | 112.3 | - | - | 104.8 | 32.06 | 8.01 | 32.57 | 100 | 81 | P | V |
| | * | | 5218 | 105.03 | - | - | 97.53 | 32.06 | 8.01 | 32.57 | 100 | 81 | A | V |
| | | | 5356.93 | 50.29 | -23.71 | 74 | 42.41 | 32.22 | 8.23 | 32.57 | 100 | 81 | P | V |
| | | | 5406.32 | 40.26 | -13.74 | 54 | 32.26 | 32.28 | 8.29 | 32.57 | 100 | 81 | A | V |



| | | | | | | | | | | | | | |
|--------------------------------------|---|---------|--------|--------|----|--------|-------|------|-------|-----|----|---|---|
| 802.11a CH 48 5240MHz | | 5145.2 | 54.37 | -19.63 | 74 | 47.02 | 31.98 | 7.94 | 32.57 | 100 | 24 | P | H |
| | | 5137.4 | 45.39 | -8.61 | 54 | 38.06 | 31.96 | 7.94 | 32.57 | 100 | 24 | A | H |
| | * | 5241 | 115.59 | - | - | 108.07 | 32.08 | 8.01 | 32.57 | 100 | 24 | P | H |
| | * | 5241 | 107.72 | - | - | 100.2 | 32.08 | 8.01 | 32.57 | 100 | 24 | A | H |
| | | 5430.52 | 50.48 | -23.52 | 74 | 42.44 | 32.32 | 8.29 | 32.57 | 100 | 24 | P | H |
| | | 5436.35 | 41.1 | -12.9 | 54 | 33.06 | 32.32 | 8.29 | 32.57 | 100 | 24 | A | H |
| | | 5148.95 | 53.24 | -20.76 | 74 | 45.89 | 31.98 | 7.94 | 32.57 | 100 | 77 | P | V |
| | | 5139.5 | 43.84 | -10.16 | 54 | 36.49 | 31.98 | 7.94 | 32.57 | 100 | 77 | A | V |
| | * | 5238 | 111.74 | - | - | 104.22 | 32.08 | 8.01 | 32.57 | 100 | 77 | P | V |
| | * | 5238 | 104.39 | - | - | 96.87 | 32.08 | 8.01 | 32.57 | 100 | 77 | A | V |
| | | 5452.08 | 48.9 | -25.1 | 74 | 40.84 | 32.34 | 8.29 | 32.57 | 100 | 77 | P | V |
| | | 5428.1 | 39.83 | -14.17 | 54 | 31.81 | 32.3 | 8.29 | 32.57 | 100 | 77 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 1 | 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 36 5180MHz | | 10356 | 52.75 | -21.25 | 74 | 64.28 | 39.66 | 11.93 | 63.12 | 100 | 326 | P | H |
| | | 10356 | 47.17 | -6.83 | 54 | 58.7 | 39.66 | 11.93 | 63.12 | 100 | 326 | A | H |
| | | 15538 | 47.98 | -26.02 | 74 | 55.37 | 38.04 | 14.76 | 60.19 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | 10362 | 51.9 | -22.1 | 74 | 63.36 | 39.69 | 11.96 | 63.11 | 376 | 357 | P | V |
| | | 10362 | 46.23 | -7.77 | 54 | 57.69 | 39.69 | 11.96 | 63.11 | 376 | 357 | A | V |
| | | 15543 | 50.82 | -23.18 | 74 | 58.21 | 38.04 | 14.76 | 60.19 | 100 | 0 | P | V |
| | | | | | | | | | | | | | |
| 802.11a CH 44 5220MHz | | 10438 | 57.95 | -16.05 | 74 | 69.21 | 39.79 | 12 | 63.05 | 100 | 330 | P | H |
| | | 10438 | 45.25 | -8.75 | 54 | 56.51 | 39.79 | 12 | 63.05 | 100 | 330 | A | H |
| | | 15660 | 45.05 | -28.95 | 74 | 52.58 | 37.85 | 14.79 | 60.17 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | 10442 | 53.05 | -20.95 | 74 | 64.28 | 39.79 | 12.03 | 63.05 | 100 | 43 | P | V |
| | | 10442 | 46.98 | -7.02 | 54 | 58.21 | 39.79 | 12.03 | 63.05 | 100 | 43 | A | V |
| | | 15664 | 45.15 | -28.85 | 74 | 52.71 | 37.82 | 14.79 | 60.17 | 100 | 0 | P | V |
| | | | | | | | | | | | | | |
| 802.11a CH 48 5240MHz | | 10482 | 53.56 | -20.44 | 74 | 64.64 | 39.87 | 12.06 | 63.01 | 100 | 325 | P | H |
| | | 10482 | 46.18 | -7.82 | 54 | 57.26 | 39.87 | 12.06 | 63.01 | 100 | 325 | A | H |
| | | 15720 | 47.46 | -26.54 | 74 | 55.07 | 37.74 | 14.81 | 60.16 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | 10479 | 53.82 | -20.18 | 74 | 64.9 | 39.87 | 12.06 | 63.01 | 100 | 299 | P | V |
| | | 10479 | 46.23 | -7.77 | 54 | 57.31 | 39.87 | 12.06 | 63.01 | 100 | 299 | A | V |
| | | 15720 | 48.91 | -25.09 | 74 | 56.52 | 37.74 | 14.81 | 60.16 | 100 | 0 | P | V |
| | | | | | | | | | | | | | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 1 5150~5250MHz

WIFI 802.11n HT20(Band Edge @ 3m)

| WIFI Ant. 1 | 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) | |
|----------------------------|------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11n HT20 CH 36 5180MHz | | 5148.5 | 65.56 | -8.44 | 74 | 58.21 | 31.98 | 7.94 | 32.57 | 119 | 39 | P | H | |
| | | 5128.25 | 51.23 | -2.77 | 54 | 43.9 | 31.96 | 7.94 | 32.57 | 119 | 39 | A | H | |
| | * | 5182 | 112.09 | - | - | 104.73 | 32.02 | 7.91 | 32.57 | 119 | 39 | P | H | |
| | * | 5182 | 105.08 | - | - | 97.72 | 32.02 | 7.91 | 32.57 | 119 | 39 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | | | 5148.95 | 60.65 | -13.35 | 74 | 53.3 | 31.98 | 7.94 | 32.57 | 101 | 79 | P | V |
| | | | 5128.25 | 48.92 | -5.08 | 54 | 41.59 | 31.96 | 7.94 | 32.57 | 101 | 79 | A | V |
| | | * | 5179 | 108.76 | - | - | 101.4 | 32.02 | 7.91 | 32.57 | 101 | 79 | P | V |
| | | * | 5179 | 101.38 | - | - | 94.02 | 32.02 | 7.91 | 32.57 | 101 | 79 | A | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| 802.11n HT20 CH 44 5220MHz | | 5119.25 | 54.57 | -19.43 | 74 | 47.24 | 31.94 | 7.96 | 32.57 | 100 | 30 | P | H | |
| | | 5131.25 | 45.09 | -8.91 | 54 | 37.76 | 31.96 | 7.94 | 32.57 | 100 | 30 | A | H | |
| | * | 5222 | 113.76 | - | - | 106.26 | 32.06 | 8.01 | 32.57 | 100 | 30 | P | H | |
| | * | 5222 | 106.95 | - | - | 99.45 | 32.06 | 8.01 | 32.57 | 100 | 30 | A | H | |
| | | | 5367.82 | 49.97 | -24.03 | 74 | 42.01 | 32.24 | 8.29 | 32.57 | 100 | 30 | P | H |
| | | | 5407.64 | 41.27 | -12.73 | 54 | 33.27 | 32.28 | 8.29 | 32.57 | 100 | 30 | A | H |
| | | | 5128.7 | 51.42 | -22.58 | 74 | 44.09 | 31.96 | 7.94 | 32.57 | 100 | 84 | P | V |
| | | | 5128.1 | 43.31 | -10.69 | 54 | 35.98 | 31.96 | 7.94 | 32.57 | 100 | 84 | A | V |
| | | * | 5222 | 110.38 | - | - | 102.88 | 32.06 | 8.01 | 32.57 | 100 | 84 | P | V |
| | | * | 5222 | 103.32 | - | - | 95.82 | 32.06 | 8.01 | 32.57 | 100 | 84 | A | V |
| | | 5405.33 | 49.29 | -24.71 | 74 | 41.29 | 32.28 | 8.29 | 32.57 | 100 | 84 | P | V | |
| | | 5407.75 | 40.07 | -13.93 | 54 | 32.07 | 32.28 | 8.29 | 32.57 | 100 | 84 | A | V | |



| | | | | | | | | | | | | | |
|---|---|---------|--------|--------|----|--------|-------|------|-------|-----|----|---|---|
| 802.11n HT20 CH 48 5240MHz | | 5139.65 | 53.05 | -20.95 | 74 | 45.7 | 31.98 | 7.94 | 32.57 | 104 | 25 | P | H |
| | | 5149.4 | 44.42 | -9.58 | 54 | 37.07 | 31.98 | 7.94 | 32.57 | 104 | 25 | A | H |
| | * | 5241 | 114.06 | - | - | 106.54 | 32.08 | 8.01 | 32.57 | 104 | 25 | P | H |
| | * | 5241 | 106.7 | - | - | 99.18 | 32.08 | 8.01 | 32.57 | 104 | 25 | A | H |
| | | 5435.8 | 49.64 | -24.36 | 74 | 41.6 | 32.32 | 8.29 | 32.57 | 104 | 25 | P | H |
| | | 5436.79 | 40.62 | -13.38 | 54 | 32.58 | 32.32 | 8.29 | 32.57 | 104 | 25 | A | H |
| | | 5149.1 | 52.75 | -21.25 | 74 | 45.4 | 31.98 | 7.94 | 32.57 | 100 | 85 | P | V |
| | | 5139.05 | 43.35 | -10.65 | 54 | 36.02 | 31.96 | 7.94 | 32.57 | 100 | 85 | A | V |
| | * | 5242 | 110.7 | - | - | 103.05 | 32.1 | 8.12 | 32.57 | 100 | 85 | P | V |
| | * | 5242 | 103.37 | - | - | 95.72 | 32.1 | 8.12 | 32.57 | 100 | 85 | A | V |
| | | 5362.32 | 48.73 | -25.27 | 74 | 40.77 | 32.24 | 8.29 | 32.57 | 100 | 85 | P | V |
| | | 5351.98 | 39.63 | -14.37 | 54 | 31.75 | 32.22 | 8.23 | 32.57 | 100 | 85 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant. 1 | 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) |
|-------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT20 CH 36 5180MHz | | 10362 | 52.67 | -21.33 | 74 | 64.13 | 39.69 | 11.96 | 63.11 | 100 | 358 | P | H |
| | | 10362 | 45.06 | -8.94 | 54 | 56.52 | 39.69 | 11.96 | 63.11 | 100 | 358 | A | H |
| | | 15540 | 48.79 | -25.21 | 74 | 56.18 | 38.04 | 14.76 | 60.19 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | 10362 | 54.05 | -19.95 | 74 | 65.51 | 39.69 | 11.96 | 63.11 | 275 | 34 | P | V |
| | | 10362 | 47.89 | -6.11 | 54 | 59.35 | 39.69 | 11.96 | 63.11 | 275 | 34 | A | V |
| | | 15537 | 49.44 | -24.56 | 74 | 56.83 | 38.04 | 14.76 | 60.19 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| 802.11n HT20 CH 44 5220MHz | | 10442 | 56.33 | -17.67 | 74 | 67.56 | 39.79 | 12.03 | 63.05 | 100 | 328 | P | H |
| | | 10442 | 44.25 | -9.75 | 54 | 55.48 | 39.79 | 12.03 | 63.05 | 100 | 328 | A | H |
| | | 15660 | 42.74 | -31.26 | 74 | 50.27 | 37.85 | 14.79 | 60.17 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | 10442 | 53.84 | -20.16 | 74 | 65.07 | 39.79 | 12.03 | 63.05 | 100 | 40 | P | V |
| | | 10442 | 46.52 | -7.48 | 54 | 57.75 | 39.79 | 12.03 | 63.05 | 100 | 40 | A | V |
| | | 15663 | 42.25 | -31.75 | 74 | 49.81 | 37.82 | 14.79 | 60.17 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| 802.11n HT20 CH 48 5240MHz | | 10482 | 53.12 | -20.88 | 74 | 64.2 | 39.87 | 12.06 | 63.01 | 100 | 328 | P | H |
| | | 10482 | 44.77 | -9.23 | 54 | 55.85 | 39.87 | 12.06 | 63.01 | 100 | 328 | A | H |
| | | 15720 | 47.02 | -26.98 | 74 | 54.63 | 37.74 | 14.81 | 60.16 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | 10482 | 54.73 | -19.27 | 74 | 65.81 | 39.87 | 12.06 | 63.01 | 268 | 32 | P | V |
| | | 10482 | 47.23 | -6.77 | 54 | 58.31 | 39.87 | 12.06 | 63.01 | 268 | 32 | A | V |
| | | 15720 | 49.55 | -24.45 | 74 | 57.16 | 37.74 | 14.81 | 60.16 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI Ant. 1 | 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) |
|----------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 38 5190MHz | | 5148.95 | 63.15 | -10.85 | 74 | 55.8 | 31.98 | 7.94 | 32.57 | 135 | 36 | P | H |
| | | 5150 | 47.6 | -6.4 | 54 | 40.25 | 31.98 | 7.94 | 32.57 | 135 | 36 | A | H |
| | * | 5188 | 106.82 | - | - | 99.46 | 32.02 | 7.91 | 32.57 | 135 | 36 | P | H |
| | * | 5188 | 99.63 | - | - | 92.27 | 32.02 | 7.91 | 32.57 | 135 | 36 | A | H |
| | | 5411.05 | 48.87 | -25.13 | 74 | 40.87 | 32.28 | 8.29 | 32.57 | 135 | 36 | P | H |
| | | 5375.63 | 39.61 | -14.39 | 54 | 31.65 | 32.24 | 8.29 | 32.57 | 135 | 36 | A | H |
| | | 5146.55 | 59.87 | -14.13 | 74 | 52.52 | 31.98 | 7.94 | 32.57 | 103 | 85 | P | V |
| | | 5150 | 46.12 | -7.88 | 54 | 38.77 | 31.98 | 7.94 | 32.57 | 103 | 85 | A | V |
| | * | 5192 | 104.16 | - | - | 96.78 | 32.04 | 7.91 | 32.57 | 103 | 85 | P | V |
| | * | 5192 | 96.53 | - | - | 89.15 | 32.04 | 7.91 | 32.57 | 103 | 85 | A | V |
| | | 5350.44 | 48.49 | -25.51 | 74 | 40.61 | 32.22 | 8.23 | 32.57 | 103 | 85 | P | V |
| | | 5460 | 39.37 | -14.63 | 54 | 31.31 | 32.34 | 8.29 | 32.57 | 103 | 85 | A | V |
| 802.11n HT40 CH 46 5230MHz | | 5125.25 | 53.18 | -20.82 | 74 | 45.85 | 31.96 | 7.94 | 32.57 | 112 | 38 | P | H |
| | | 5127.35 | 45.48 | -8.52 | 54 | 38.15 | 31.96 | 7.94 | 32.57 | 112 | 38 | A | H |
| | * | 5228 | 107.33 | - | - | 99.81 | 32.08 | 8.01 | 32.57 | 112 | 38 | P | H |
| | * | 5228 | 99.78 | - | - | 92.26 | 32.08 | 8.01 | 32.57 | 112 | 38 | A | H |
| | | 5449 | 48.78 | -25.22 | 74 | 40.72 | 32.34 | 8.29 | 32.57 | 112 | 38 | P | H |
| | | 5350 | 42.88 | -11.12 | 54 | 35 | 32.22 | 8.23 | 32.57 | 112 | 38 | A | H |
| | | 5128.25 | 53.59 | -20.41 | 74 | 46.26 | 31.96 | 7.94 | 32.57 | 112 | 80 | P | V |
| | | 5127.5 | 43.32 | -10.68 | 54 | 35.99 | 31.96 | 7.94 | 32.57 | 112 | 80 | A | V |
| | * | 5228 | 103.25 | - | - | 95.73 | 32.08 | 8.01 | 32.57 | 112 | 80 | P | V |
| | * | 5228 | 95.83 | - | - | 88.31 | 32.08 | 8.01 | 32.57 | 112 | 80 | A | V |
| | 5419.74 | 48.44 | -25.56 | 74 | 40.42 | 32.3 | 8.29 | 32.57 | 112 | 80 | P | V | |
| | 5350 | 40.73 | -13.27 | 54 | 32.85 | 32.22 | 8.23 | 32.57 | 112 | 80 | A | V | |

Remark
 1. No other spurious found.
 2. All results are PASS against Peak and Average limit line.



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI Ant. 1 | 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) | |
|----------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11n HT40 CH 38 5190MHz | | 10382 | 49.54 | -24.46 | 74 | 60.96 | 39.71 | 11.96 | 63.09 | 100 | 0 | P | H | |
| | | 15570 | 44.92 | -29.08 | 74 | 52.35 | 37.99 | 14.77 | 60.19 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 10380 | 50.73 | -23.27 | 74 | 62.15 | 39.71 | 11.96 | 63.09 | 100 | 0 | P | V |
| | | | 15570 | 44.02 | -29.98 | 74 | 51.45 | 37.99 | 14.77 | 60.19 | 100 | 0 | P | V |
| | | | | | | | | | | | | | | V |
| 802.11n HT40 CH 46 5230MHz | | 10461 | 47.13 | -26.87 | 74 | 58.28 | 39.85 | 12.03 | 63.03 | 100 | 0 | P | H | |
| | | 15690 | 46.17 | -27.83 | 74 | 53.73 | 37.8 | 14.8 | 60.16 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 10461 | 49.44 | -24.56 | 74 | 60.59 | 39.85 | 12.03 | 63.03 | 100 | 0 | P | V |
| | | | 15690 | 44.48 | -29.52 | 74 | 52.04 | 37.8 | 14.8 | 60.16 | 100 | 0 | P | V |
| | | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. | | | | | | | | | | | | | |
| | 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

| 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 | | (MHz) | (dBµV/m) | (dB) | (dBµV/m) | (dBµV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11a CH 52 5260MHz | | 5072 | 52.3 | -21.7 | 74 | 44.98 | 31.9 | 7.99 | 32.57 | 100 | 32 | P | H |
| | | 5062.7 | 43.16 | -10.84 | 54 | 35.86 | 31.88 | 7.99 | 32.57 | 100 | 32 | A | H |
| | * | 5259 | 115.83 | - | - | 108.16 | 32.12 | 8.12 | 32.57 | 100 | 32 | P | H |
| | * | 5259 | 107.96 | - | - | 100.29 | 32.12 | 8.12 | 32.57 | 100 | 32 | A | H |
| | | 5350 | 51.76 | -22.24 | 74 | 43.88 | 32.22 | 8.23 | 32.57 | 100 | 32 | P | H |
| | | 5350.66 | 41.92 | -12.08 | 54 | 34.04 | 32.22 | 8.23 | 32.57 | 100 | 32 | A | H |
| | | 5072.6 | 51.4 | -22.6 | 74 | 44.08 | 31.9 | 7.99 | 32.57 | 100 | 77 | P | V |
| | | 5064.05 | 42.28 | -11.72 | 54 | 34.98 | 31.88 | 7.99 | 32.57 | 100 | 77 | A | V |
| | * | 5258 | 111.89 | - | - | 104.24 | 32.1 | 8.12 | 32.57 | 100 | 77 | P | V |
| | * | 5258 | 104.39 | - | - | 96.74 | 32.1 | 8.12 | 32.57 | 100 | 77 | A | V |
| | | 5361.77 | 48.8 | -25.2 | 74 | 40.84 | 32.24 | 8.29 | 32.57 | 100 | 77 | P | V |
| | | 5350.99 | 40.53 | -13.47 | 54 | 32.65 | 32.22 | 8.23 | 32.57 | 100 | 77 | A | V |
| | 802.11a CH 60 5300MHz | | 5101.4 | 52.91 | -21.09 | 74 | 45.6 | 31.92 | 7.96 | 32.57 | 100 | 28 | P |
| | | 5103.05 | 43.21 | -10.79 | 54 | 35.9 | 31.92 | 7.96 | 32.57 | 100 | 28 | A | H |
| * | | 5298 | 114.39 | - | - | 106.62 | 32.16 | 8.18 | 32.57 | 100 | 28 | P | H |
| * | | 5298 | 107.1 | - | - | 99.33 | 32.16 | 8.18 | 32.57 | 100 | 28 | A | H |
| | | 5352.75 | 58.59 | -15.41 | 74 | 50.71 | 32.22 | 8.23 | 32.57 | 100 | 28 | P | H |
| | | 5352.42 | 52.8 | -1.2 | 54 | 44.92 | 32.22 | 8.23 | 32.57 | 100 | 28 | A | H |
| | | 5054.75 | 51.42 | -22.58 | 74 | 44.12 | 31.88 | 7.99 | 32.57 | 104 | 81 | P | V |
| | | 5102.75 | 42.02 | -11.98 | 54 | 34.71 | 31.92 | 7.96 | 32.57 | 104 | 81 | A | V |
| * | | 5302 | 110.15 | - | - | 102.38 | 32.16 | 8.18 | 32.57 | 104 | 81 | P | V |
| * | | 5302 | 102.98 | - | - | 95.21 | 32.16 | 8.18 | 32.57 | 104 | 81 | A | V |
| | | 5353.08 | 55.62 | -18.38 | 74 | 47.74 | 32.22 | 8.23 | 32.57 | 104 | 81 | P | V |
| | | 5352.31 | 47.7 | -6.3 | 54 | 39.82 | 32.22 | 8.23 | 32.57 | 104 | 81 | A | V |



| | | | | | | | | | | | | | |
|--------------------------------------|---|---------|--------|--------|----|--------|-------|------|-------|-----|----|---|---|
| 802.11a CH 64 5320MHz | * | 5318 | 112.99 | - | - | 105.2 | 32.18 | 8.18 | 32.57 | 103 | 38 | P | H |
| | * | 5318 | 105.78 | - | - | 97.99 | 32.18 | 8.18 | 32.57 | 103 | 38 | A | H |
| | | 5351.43 | 65.41 | -8.59 | 74 | 57.53 | 32.22 | 8.23 | 32.57 | 103 | 38 | P | H |
| | | 5350 | 51.98 | -2.02 | 54 | 44.1 | 32.22 | 8.23 | 32.57 | 103 | 38 | A | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 5319 | 107.91 | - | - | 100.12 | 32.18 | 8.18 | 32.57 | 100 | 85 | P | V |
| | * | 5319 | 101.73 | - | - | 93.94 | 32.18 | 8.18 | 32.57 | 100 | 85 | A | V |
| | | 5350.55 | 60.96 | -13.04 | 74 | 53.08 | 32.22 | 8.23 | 32.57 | 100 | 85 | P | V |
| | | 5350 | 48.34 | -5.66 | 54 | 40.46 | 32.22 | 8.23 | 32.57 | 100 | 85 | A | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 1 | 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 52 5260MHz | | 10520 | 58.83 | -15.17 | 74 | 69.83 | 39.91 | 12.08 | 62.99 | 100 | 330 | P | H | |
| | | 10520 | 45.23 | -8.77 | 54 | 56.23 | 39.91 | 12.08 | 62.99 | 100 | 330 | A | H | |
| | | 15780 | 48.81 | -25.19 | 74 | 56.47 | 37.66 | 14.82 | 60.14 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | 10521 | 57.03 | -16.97 | 74 | 68.03 | 39.91 | 12.08 | 62.99 | 100 | 243 | P | V | |
| | | 10521 | 44.85 | -9.15 | 54 | 55.85 | 39.91 | 12.08 | 62.99 | 100 | 243 | A | V | |
| | | 15780 | 50.39 | -23.61 | 74 | 58.05 | 37.66 | 14.82 | 60.14 | 100 | 0 | P | V | |
| | | | | | | | | | | | | | | V |
| 802.11a CH 60 5300MHz | | 10599 | 55.82 | -18.18 | 74 | 66.69 | 39.98 | 12.11 | 62.96 | 117 | 331 | P | H | |
| | | 10599 | 43.54 | -10.46 | 54 | 54.41 | 39.98 | 12.11 | 62.96 | 117 | 331 | A | H | |
| | | 15897 | 40.77 | -33.23 | 74 | 48.57 | 37.47 | 14.85 | 60.12 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | 10598 | 53.48 | -20.52 | 74 | 64.36 | 39.98 | 12.1 | 62.96 | 100 | 48 | P | V | |
| | | 10598 | 44.79 | -9.21 | 54 | 55.67 | 39.98 | 12.1 | 62.96 | 100 | 48 | A | V | |
| | | 15903 | 41.21 | -32.79 | 74 | 49.04 | 37.44 | 14.85 | 60.12 | 100 | 0 | P | V | |
| | | | | | | | | | | | | | | V |
| 802.11a CH 64 5320MHz | | 10638 | 49.44 | -24.56 | 74 | 60.26 | 40.01 | 12.11 | 62.94 | 100 | 0 | P | H | |
| | | 15960 | 45.5 | -28.5 | 74 | 53.38 | 37.36 | 14.87 | 60.11 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | 10638 | 50.64 | -23.36 | 74 | 61.46 | 40.01 | 12.11 | 62.94 | 100 | 0 | P | V | |
| | | 15960 | 45.56 | -28.44 | 74 | 53.44 | 37.36 | 14.87 | 60.11 | 100 | 0 | P | V | |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI Ant. 1 | 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) |
|----------------------------|---------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT20 CH 52 5260MHz | | 5112.05 | 51.71 | -22.29 | 74 | 44.38 | 31.94 | 7.96 | 32.57 | 100 | 25 | P | H |
| | | 5067.95 | 42.84 | -11.16 | 54 | 35.54 | 31.88 | 7.99 | 32.57 | 100 | 25 | A | H |
| | * | 5258 | 114.25 | - | - | 106.6 | 32.1 | 8.12 | 32.57 | 100 | 25 | P | H |
| | * | 5258 | 107.02 | - | - | 99.37 | 32.1 | 8.12 | 32.57 | 100 | 25 | A | H |
| | | 5358.14 | 50.6 | -23.4 | 74 | 42.72 | 32.22 | 8.23 | 32.57 | 100 | 25 | P | H |
| | | 5351.21 | 41.55 | -12.45 | 54 | 33.67 | 32.22 | 8.23 | 32.57 | 100 | 25 | A | H |
| | | 5077.1 | 51.48 | -22.52 | 74 | 44.16 | 31.9 | 7.99 | 32.57 | 100 | 82 | P | V |
| | | 5067.95 | 42.04 | -11.96 | 54 | 34.74 | 31.88 | 7.99 | 32.57 | 100 | 82 | A | V |
| | * | 5261 | 110.11 | - | - | 102.44 | 32.12 | 8.12 | 32.57 | 100 | 82 | P | V |
| | * | 5261 | 103.06 | - | - | 95.39 | 32.12 | 8.12 | 32.57 | 100 | 82 | A | V |
| | | 5399.61 | 48.74 | -25.26 | 74 | 40.74 | 32.28 | 8.29 | 32.57 | 100 | 82 | P | V |
| | | 5350.88 | 40.11 | -13.89 | 54 | 32.23 | 32.22 | 8.23 | 32.57 | 100 | 82 | A | V |
| 802.11n HT20 CH 60 5300MHz | | 5019.05 | 52.26 | -21.74 | 74 | 44.99 | 31.82 | 8.02 | 32.57 | 105 | 28 | P | H |
| | | 5101.55 | 42.84 | -11.16 | 54 | 35.53 | 31.92 | 7.96 | 32.57 | 105 | 28 | A | H |
| | * | 5302 | 113.28 | - | - | 105.51 | 32.16 | 8.18 | 32.57 | 105 | 28 | P | H |
| | * | 5302 | 106.21 | - | - | 98.44 | 32.16 | 8.18 | 32.57 | 105 | 28 | A | H |
| | | 5352.09 | 59.68 | -14.32 | 74 | 51.8 | 32.22 | 8.23 | 32.57 | 105 | 28 | P | H |
| | | 5351.76 | 52.31 | -1.69 | 54 | 44.43 | 32.22 | 8.23 | 32.57 | 105 | 28 | A | H |
| | | 5095.55 | 53.02 | -20.98 | 74 | 45.71 | 31.92 | 7.96 | 32.57 | 107 | 80 | P | V |
| | | 5101.4 | 41.67 | -12.33 | 54 | 34.36 | 31.92 | 7.96 | 32.57 | 107 | 80 | A | V |
| | * | 5302 | 108.36 | - | - | 100.59 | 32.16 | 8.18 | 32.57 | 107 | 80 | P | V |
| | * | 5302 | 101.55 | - | - | 93.78 | 32.16 | 8.18 | 32.57 | 107 | 80 | A | V |
| | 5353.63 | 53.67 | -20.33 | 74 | 45.79 | 32.22 | 8.23 | 32.57 | 107 | 80 | P | V | |
| | 5351.76 | 47.47 | -6.53 | 54 | 39.59 | 32.22 | 8.23 | 32.57 | 107 | 80 | A | V | |



| | | | | | | | | | | | | | |
|---|---|---------|--------|--------|----|--------|-------|------|-------|-----|----|---|---|
| 802.11n HT20 CH 64 5320MHz | * | 5318 | 111.68 | - | - | 103.89 | 32.18 | 8.18 | 32.57 | 100 | 27 | P | H |
| | * | 5318 | 104.97 | - | - | 97.18 | 32.18 | 8.18 | 32.57 | 100 | 27 | A | H |
| | | 5350.22 | 68.63 | -5.37 | 74 | 60.75 | 32.22 | 8.23 | 32.57 | 100 | 27 | P | H |
| | | 5350 | 51.54 | -2.46 | 54 | 43.66 | 32.22 | 8.23 | 32.57 | 100 | 27 | A | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 5318 | 107.36 | - | - | 99.57 | 32.18 | 8.18 | 32.57 | 100 | 79 | P | V |
| | * | 5318 | 100.61 | - | - | 92.82 | 32.18 | 8.18 | 32.57 | 100 | 79 | A | V |
| | | 5350.44 | 62.93 | -11.07 | 74 | 55.05 | 32.22 | 8.23 | 32.57 | 100 | 79 | P | V |
| | | 5350 | 47.47 | -6.53 | 54 | 39.59 | 32.22 | 8.23 | 32.57 | 100 | 79 | A | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant. 1 | 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) |
|-------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT20 CH 52 5260MHz | | 10521 | 55.08 | -18.92 | 74 | 66.08 | 39.91 | 12.08 | 62.99 | 100 | 330 | P | H |
| | | 10521 | 43.46 | -10.54 | 54 | 54.46 | 39.91 | 12.08 | 62.99 | 100 | 330 | A | H |
| | | 15780 | 50.12 | -23.88 | 74 | 57.78 | 37.66 | 14.82 | 60.14 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | 10521 | 52.58 | -21.42 | 74 | 63.58 | 39.91 | 12.08 | 62.99 | 100 | 26 | P | V |
| | | 10521 | 44.94 | -9.06 | 54 | 55.94 | 39.91 | 12.08 | 62.99 | 100 | 26 | A | V |
| | | 15780 | 48.81 | -25.19 | 74 | 56.47 | 37.66 | 14.82 | 60.14 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| 802.11n HT20 CH 60 5300MHz | | 10602 | 54.76 | -19.24 | 74 | 65.63 | 39.98 | 12.11 | 62.96 | 100 | 329 | P | H |
| | | 10602 | 41.72 | -12.28 | 54 | 52.59 | 39.98 | 12.11 | 62.96 | 100 | 329 | A | H |
| | | 15903 | 39.05 | -34.95 | 74 | 46.88 | 37.44 | 14.85 | 60.12 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | 10599 | 52.18 | -21.82 | 74 | 63.05 | 39.98 | 12.11 | 62.96 | 100 | 45 | P | V |
| | | 10599 | 44.13 | -9.87 | 54 | 55 | 39.98 | 12.11 | 62.96 | 100 | 45 | A | V |
| | | 15903 | 42.36 | -31.64 | 74 | 50.19 | 37.44 | 14.85 | 60.12 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| 802.11n HT20 CH 64 5320MHz | | 10641 | 48.67 | -25.33 | 74 | 59.47 | 40.01 | 12.13 | 62.94 | 100 | 0 | P | H |
| | | 15960 | 46.12 | -27.88 | 74 | 54 | 37.36 | 14.87 | 60.11 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | 10638 | 48.8 | -25.2 | 74 | 59.62 | 40.01 | 12.11 | 62.94 | 100 | 0 | P | V |
| | | 15960 | 45.95 | -28.05 | 74 | 53.83 | 37.36 | 14.87 | 60.11 | 100 | 0 | P | V |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI Ant. 1 | 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) |
|----------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 54 5270MHz | | 5087.75 | 51.1 | -22.9 | 74 | 43.81 | 31.9 | 7.96 | 32.57 | 100 | 26 | P | H |
| | | 5150 | 43.96 | -10.04 | 54 | 36.61 | 31.98 | 7.94 | 32.57 | 100 | 26 | A | H |
| | * | 5268 | 107.82 | - | - | 100.15 | 32.12 | 8.12 | 32.57 | 100 | 26 | P | H |
| | * | 5268 | 100.54 | - | - | 92.87 | 32.12 | 8.12 | 32.57 | 100 | 26 | A | H |
| | | 5373.98 | 51.3 | -22.7 | 74 | 43.34 | 32.24 | 8.29 | 32.57 | 100 | 26 | P | H |
| | | 5372.88 | 43.64 | -10.36 | 54 | 35.68 | 32.24 | 8.29 | 32.57 | 100 | 26 | A | H |
| | | 5068.4 | 51.04 | -22.96 | 74 | 43.74 | 31.88 | 7.99 | 32.57 | 100 | 78 | P | V |
| | | 5150 | 42.04 | -11.96 | 54 | 34.69 | 31.98 | 7.94 | 32.57 | 100 | 78 | A | V |
| | * | 5268 | 104.02 | - | - | 96.35 | 32.12 | 8.12 | 32.57 | 100 | 78 | P | V |
| | * | 5268 | 96.3 | - | - | 88.63 | 32.12 | 8.12 | 32.57 | 100 | 78 | A | V |
| | | 5351.87 | 48.82 | -25.18 | 74 | 40.94 | 32.22 | 8.23 | 32.57 | 100 | 78 | P | V |
| | | 5373.1 | 41.1 | -12.9 | 54 | 33.14 | 32.24 | 8.29 | 32.57 | 100 | 78 | A | V |
| 802.11n HT40 CH 62 5310MHz | | 5061.05 | 51.91 | -22.09 | 74 | 44.61 | 31.88 | 7.99 | 32.57 | 100 | 27 | P | H |
| | | 5022.05 | 42.15 | -11.85 | 54 | 34.86 | 31.84 | 8.02 | 32.57 | 100 | 27 | A | H |
| | * | 5308 | 108.1 | - | - | 100.33 | 32.16 | 8.18 | 32.57 | 100 | 27 | P | H |
| | * | 5308 | 100.43 | - | - | 92.66 | 32.16 | 8.18 | 32.57 | 100 | 27 | A | H |
| | | 5356.27 | 64.02 | -9.98 | 74 | 56.14 | 32.22 | 8.23 | 32.57 | 100 | 27 | P | H |
| | | 5350 | 49.58 | -4.42 | 54 | 41.7 | 32.22 | 8.23 | 32.57 | 100 | 27 | A | H |
| | | 5088.65 | 50.72 | -23.28 | 74 | 43.41 | 31.92 | 7.96 | 32.57 | 100 | 84 | P | V |
| | | 5037.2 | 41.41 | -12.59 | 54 | 34.12 | 31.84 | 8.02 | 32.57 | 100 | 84 | A | V |
| | * | 5308 | 102.11 | - | - | 94.34 | 32.16 | 8.18 | 32.57 | 100 | 84 | P | V |
| | * | 5308 | 95.69 | - | - | 87.92 | 32.16 | 8.18 | 32.57 | 100 | 84 | A | V |
| | 5352.53 | 62.21 | -11.79 | 74 | 54.33 | 32.22 | 8.23 | 32.57 | 100 | 84 | P | V | |
| | 5350 | 46.13 | -7.87 | 54 | 38.25 | 32.22 | 8.23 | 32.57 | 100 | 84 | A | V | |

Remark
 1. No other spurious found.
 2. All results are PASS against Peak and Average limit line.



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI Ant. 1 | 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) |
|-------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 54 5270MHz | | 10539 | 47.91 | -26.09 | 74 | 58.89 | 39.93 | 12.08 | 62.99 | 100 | 0 | P | H |
| | | 15810 | 44.72 | -29.28 | 74 | 52.43 | 37.6 | 14.83 | 60.14 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | 10539 | 48.22 | -25.78 | 74 | 59.2 | 39.93 | 12.08 | 62.99 | 100 | 0 | P | V |
| | | 15810 | 45.2 | -28.8 | 74 | 52.91 | 37.6 | 14.83 | 60.14 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| 802.11n HT40 CH 62 5310MHz | | 10620 | 46.86 | -27.14 | 74 | 57.7 | 40 | 12.11 | 62.95 | 100 | 0 | P | H |
| | | 15930 | 43.65 | -30.35 | 74 | 51.49 | 37.41 | 14.86 | 60.11 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | 10620 | 48.3 | -25.7 | 74 | 59.14 | 40 | 12.11 | 62.95 | 100 | 0 | P | V |
| | | 15930 | 42.62 | -31.38 | 74 | 50.46 | 37.41 | 14.86 | 60.11 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. | | | | | | | | | | | | |
| | 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

| 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 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) | |
| 802.11a CH 100 5500MHz | | 5470 | 62.36 | -11.64 | 74 | 54.28 | 32.36 | 8.29 | 32.57 | 100 | 28 | P | H | |
| | | 5447.6 | 50.58 | -3.42 | 54 | 42.52 | 32.34 | 8.29 | 32.57 | 100 | 28 | A | H | |
| | * | 5502 | 111.2 | - | - | 103.09 | 32.4 | 8.29 | 32.58 | 100 | 28 | P | H | |
| | * | 5502 | 103.96 | - | - | 95.85 | 32.4 | 8.29 | 32.58 | 100 | 28 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 5469.84 | 60.51 | -13.49 | 74 | 52.43 | 32.36 | 8.29 | 32.57 | 100 | 75 | P | V |
| | | | 5447.6 | 46 | -8 | 54 | 37.94 | 32.34 | 8.29 | 32.57 | 100 | 75 | A | V |
| | * | | 5498 | 106.84 | - | - | 98.72 | 32.4 | 8.29 | 32.57 | 100 | 75 | P | V |
| | * | | 5498 | 99.22 | - | - | 91.1 | 32.4 | 8.29 | 32.57 | 100 | 75 | A | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| 802.11a CH 116 5580MHz | | 5382.16 | 52.54 | -21.46 | 74 | 44.56 | 32.26 | 8.29 | 32.57 | 100 | 29 | P | H | |
| | | 5381.68 | 42.81 | -11.19 | 54 | 34.83 | 32.26 | 8.29 | 32.57 | 100 | 29 | A | H | |
| | * | 5578 | 114.85 | - | - | 106.82 | 32.44 | 8.2 | 32.61 | 100 | 29 | P | H | |
| | * | 5578 | 107.82 | - | - | 99.79 | 32.44 | 8.2 | 32.61 | 100 | 29 | A | H | |
| | | | 5753.64 | 51.61 | -22.39 | 74 | 43.39 | 32.56 | 8.33 | 32.67 | 100 | 29 | P | H |
| | | | 5765 | 42.38 | -11.62 | 54 | 34.14 | 32.56 | 8.35 | 32.67 | 100 | 29 | A | H |
| | | | 5383.76 | 50.53 | -23.47 | 74 | 42.55 | 32.26 | 8.29 | 32.57 | 100 | 79 | P | V |
| | | | 5394.16 | 40.59 | -13.41 | 54 | 32.61 | 32.26 | 8.29 | 32.57 | 100 | 79 | A | V |
| | * | | 5578 | 109.79 | - | - | 101.76 | 32.44 | 8.2 | 32.61 | 100 | 79 | P | V |
| | * | | 5578 | 102.97 | - | - | 94.94 | 32.44 | 8.2 | 32.61 | 100 | 79 | A | V |
| | | | 5736.44 | 50.15 | -23.85 | 74 | 41.95 | 32.54 | 8.33 | 32.67 | 100 | 79 | P | V |
| | | | 5765 | 41.05 | -12.95 | 54 | 32.81 | 32.56 | 8.35 | 32.67 | 100 | 79 | A | V |



| | | | | | | | | | | | | | |
|---|---|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| 802.11a CH 140 5700MHz | * | 5698 | 113.4 | - | - | 105.24 | 32.51 | 8.3 | 32.65 | 100 | 338 | P | H |
| | * | 5698 | 105.83 | - | - | 97.67 | 32.51 | 8.3 | 32.65 | 100 | 338 | A | H |
| | | 5726.28 | 67.9 | -6.1 | 74 | 59.7 | 32.53 | 8.33 | 32.66 | 100 | 338 | P | H |
| | | 5752.44 | 51.69 | -2.31 | 54 | 43.47 | 32.56 | 8.33 | 32.67 | 100 | 338 | A | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 5698 | 105.71 | - | - | 97.55 | 32.51 | 8.3 | 32.65 | 100 | 76 | P | V |
| | * | 5698 | 99 | - | - | 90.84 | 32.51 | 8.3 | 32.65 | 100 | 76 | A | V |
| | | 5725.64 | 56.11 | -17.89 | 74 | 47.91 | 32.53 | 8.33 | 32.66 | 100 | 76 | P | V |
| | | 5725.08 | 45.44 | -8.56 | 54 | 37.24 | 32.53 | 8.33 | 32.66 | 100 | 76 | A | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 1 | 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 100 5500MHz | | 10998 | 55.19 | -18.81 | 74 | 65.41 | 40.3 | 12.28 | 62.8 | 103 | 44 | P | H |
| | | 10998 | 44.64 | -9.36 | 54 | 54.86 | 40.3 | 12.28 | 62.8 | 103 | 44 | A | H |
| | | 16500 | 44.67 | -29.33 | 74 | 50.04 | 38.8 | 15.23 | 59.4 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | 11000 | 50.63 | -23.37 | 74 | 60.83 | 40.3 | 12.3 | 62.8 | 100 | 0 | P | V |
| | | 16500 | 45.46 | -28.54 | 74 | 50.83 | 38.8 | 15.23 | 59.4 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| 802.11a CH 116 5580MHz | | 11160 | 57.12 | -16.88 | 74 | 67.33 | 40.2 | 12.39 | 62.8 | 102 | 325 | P | H |
| | | 11160 | 47.62 | -6.38 | 54 | 57.83 | 40.2 | 12.39 | 62.8 | 102 | 325 | A | H |
| | | 16740 | 42.47 | -31.53 | 74 | 47.29 | 39.57 | 15.3 | 59.69 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | 11160 | 51.8 | -22.2 | 74 | 62.01 | 40.2 | 12.39 | 62.8 | 100 | 315 | P | V |
| | | 11160 | 46.69 | -7.31 | 54 | 56.9 | 40.2 | 12.39 | 62.8 | 100 | 315 | A | V |
| | | 16740 | 40.55 | -33.45 | 74 | 45.37 | 39.57 | 15.3 | 59.69 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| 802.11a CH 140 5700MHz | | 11402 | 60.49 | -13.51 | 74 | 70.7 | 40.06 | 12.53 | 62.8 | 102 | 1 | P | H |
| | | 11402 | 49.56 | -4.44 | 54 | 59.77 | 40.06 | 12.53 | 62.8 | 102 | 1 | A | H |
| | | 17100 | 46.83 | -27.17 | 74 | 50.73 | 40.68 | 15.48 | 60.06 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | 11402 | 57 | -17 | 74 | 67.21 | 40.06 | 12.53 | 62.8 | 100 | 344 | P | V |
| | | 11402 | 46.42 | -7.58 | 54 | 56.63 | 40.06 | 12.53 | 62.8 | 100 | 344 | A | V |
| | | 17100 | 47.49 | -26.51 | 74 | 51.39 | 40.68 | 15.48 | 60.06 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI Ant. 1 | 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) | |
|-----------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11n HT20 CH 100 5500MHz | | 5469.36 | 63.55 | -10.45 | 74 | 55.47 | 32.36 | 8.29 | 32.57 | 100 | 27 | P | H | |
| | | 5470 | 51.5 | -2.5 | 54 | 43.42 | 32.36 | 8.29 | 32.57 | 100 | 27 | A | H | |
| | * | 5502 | 111.58 | - | - | 103.47 | 32.4 | 8.29 | 32.58 | 100 | 27 | P | H | |
| | * | 5502 | 103.86 | - | - | 95.75 | 32.4 | 8.29 | 32.58 | 100 | 27 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | | | 5466.16 | 57.07 | -16.93 | 74 | 48.99 | 32.36 | 8.29 | 32.57 | 111 | 78 | P | V |
| | | | 5470 | 47.42 | -6.58 | 54 | 39.34 | 32.36 | 8.29 | 32.57 | 111 | 78 | A | V |
| | | * | 5502 | 107.26 | - | - | 99.15 | 32.4 | 8.29 | 32.58 | 111 | 78 | P | V |
| | | * | 5502 | 99.53 | - | - | 91.42 | 32.4 | 8.29 | 32.58 | 111 | 78 | A | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| 802.11n HT20 CH 116 5580MHz | | 5386.32 | 50.8 | -23.2 | 74 | 42.82 | 32.26 | 8.29 | 32.57 | 100 | 30 | P | H | |
| | | 5384.08 | 42.25 | -11.75 | 54 | 34.27 | 32.26 | 8.29 | 32.57 | 100 | 30 | A | H | |
| | * | 5578 | 114.22 | - | - | 106.19 | 32.44 | 8.2 | 32.61 | 100 | 30 | P | H | |
| | * | 5578 | 106.83 | - | - | 98.8 | 32.44 | 8.2 | 32.61 | 100 | 30 | A | H | |
| | | | 5742.6 | 51.37 | -22.63 | 74 | 43.17 | 32.54 | 8.33 | 32.67 | 100 | 30 | P | H |
| | | | 5765 | 41.97 | -12.03 | 54 | 33.73 | 32.56 | 8.35 | 32.67 | 100 | 30 | A | H |
| | | | 5358.16 | 49.28 | -24.72 | 74 | 41.4 | 32.22 | 8.23 | 32.57 | 100 | 79 | P | V |
| | | | 5394.96 | 40.25 | -13.75 | 54 | 32.25 | 32.28 | 8.29 | 32.57 | 100 | 79 | A | V |
| | | * | 5582 | 108.8 | - | - | 100.76 | 32.45 | 8.2 | 32.61 | 100 | 79 | P | V |
| | | * | 5582 | 101.77 | - | - | 93.73 | 32.45 | 8.2 | 32.61 | 100 | 79 | A | V |
| | | 5726.92 | 50.69 | -23.31 | 74 | 42.49 | 32.53 | 8.33 | 32.66 | 100 | 79 | P | V | |
| | | 5765 | 40.91 | -13.09 | 54 | 32.67 | 32.56 | 8.35 | 32.67 | 100 | 79 | A | V | |



| | | | | | | | | | | | | | |
|--|---|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| 802.11n HT20 CH 140 5700MHz | * | 5702 | 111.84 | - | - | 103.67 | 32.52 | 8.3 | 32.65 | 100 | 338 | P | H |
| | * | 5702 | 105.25 | - | - | 97.08 | 32.52 | 8.3 | 32.65 | 100 | 338 | A | H |
| | | 5731 | 67.1 | -6.9 | 74 | 58.91 | 32.53 | 8.33 | 32.67 | 100 | 338 | P | H |
| | | 5725 | 52.81 | -1.19 | 54 | 44.61 | 32.53 | 8.33 | 32.66 | 100 | 338 | A | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 5698 | 106.12 | - | - | 97.96 | 32.51 | 8.3 | 32.65 | 100 | 65 | P | V |
| | * | 5698 | 98.74 | - | - | 90.58 | 32.51 | 8.3 | 32.65 | 100 | 65 | A | V |
| | | 5731.24 | 58.58 | -15.42 | 74 | 50.39 | 32.53 | 8.33 | 32.67 | 100 | 65 | P | V |
| | | 5725.24 | 46.45 | -7.55 | 54 | 38.25 | 32.53 | 8.33 | 32.66 | 100 | 65 | A | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant. 1 | 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) | |
|--------------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11n HT20 CH 100 5500MHz | | 11001 | 54.24 | -19.76 | 74 | 64.44 | 40.3 | 12.3 | 62.8 | 100 | 3 | P | H | |
| | | 11001 | 43.62 | -10.38 | 54 | 53.82 | 40.3 | 12.3 | 62.8 | 100 | 3 | A | H | |
| | | 16500 | 44.18 | -29.82 | 74 | 49.55 | 38.8 | 15.23 | 59.4 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | 11002 | 52.28 | -21.72 | 74 | 62.48 | 40.3 | 12.3 | 62.8 | 100 | 305 | P | V |
| | | | 11002 | 42.99 | -11.01 | 54 | 53.19 | 40.3 | 12.3 | 62.8 | 100 | 305 | A | V |
| | | | 16500 | 42.95 | -31.05 | 74 | 48.32 | 38.8 | 15.23 | 59.4 | 100 | 0 | P | V |
| 802.11n HT20 CH 116 5580MHz | | 11160 | 56.23 | -17.77 | 74 | 66.44 | 40.2 | 12.39 | 62.8 | 100 | 41 | P | H | |
| | | 11160 | 47.58 | -6.42 | 54 | 57.79 | 40.2 | 12.39 | 62.8 | 100 | 41 | A | H | |
| | | 16740 | 37.94 | -36.06 | 74 | 42.76 | 39.57 | 15.3 | 59.69 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | 11160 | 53.59 | -20.41 | 74 | 63.8 | 40.2 | 12.39 | 62.8 | 100 | 312 | P | V |
| | | | 11160 | 46.33 | -7.67 | 54 | 56.54 | 40.2 | 12.39 | 62.8 | 100 | 312 | A | V |
| | | | 16740 | 38.05 | -35.95 | 74 | 42.87 | 39.57 | 15.3 | 59.69 | 100 | 0 | P | V |
| 802.11n HT20 CH 140 5700MHz | | 11400 | 60.35 | -13.65 | 74 | 70.56 | 40.06 | 12.53 | 62.8 | 100 | 1 | P | H | |
| | | 11400 | 49.04 | -4.96 | 54 | 59.25 | 40.06 | 12.53 | 62.8 | 100 | 1 | A | H | |
| | | 17100 | 47.04 | -26.96 | 74 | 50.94 | 40.68 | 15.48 | 60.06 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | 11400 | 56.47 | -17.53 | 74 | 66.68 | 40.06 | 12.53 | 62.8 | 100 | 344 | P | V |
| | | | 11400 | 46.18 | -7.82 | 54 | 56.39 | 40.06 | 12.53 | 62.8 | 100 | 344 | A | V |
| | | | 17100 | 47.19 | -26.81 | 74 | 51.09 | 40.68 | 15.48 | 60.06 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI Ant. 1 | 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) |
|-----------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 102 5510MHz | | 5468.4 | 62.23 | -11.77 | 74 | 54.15 | 32.36 | 8.29 | 32.57 | 100 | 26 | P | H |
| | | 5470 | 51.84 | -2.16 | 54 | 43.76 | 32.36 | 8.29 | 32.57 | 100 | 26 | A | H |
| | * | 5508 | 105.9 | - | - | 97.79 | 32.4 | 8.29 | 32.58 | 100 | 26 | P | H |
| | * | 5508 | 98.28 | - | - | 90.17 | 32.4 | 8.29 | 32.58 | 100 | 26 | A | H |
| | | 5760.04 | 50.38 | -23.62 | 74 | 42.16 | 32.56 | 8.33 | 32.67 | 100 | 26 | P | H |
| | | 5760.12 | 41.56 | -12.44 | 54 | 33.34 | 32.56 | 8.33 | 32.67 | 100 | 26 | A | H |
| | | 5469.2 | 56.22 | -17.78 | 74 | 48.14 | 32.36 | 8.29 | 32.57 | 100 | 78 | P | V |
| | | 5470 | 47.9 | -6.1 | 54 | 39.82 | 32.36 | 8.29 | 32.57 | 100 | 78 | A | V |
| | * | 5508 | 100.79 | - | - | 92.68 | 32.4 | 8.29 | 32.58 | 100 | 78 | P | V |
| | * | 5508 | 93.62 | - | - | 85.51 | 32.4 | 8.29 | 32.58 | 100 | 78 | A | V |
| | | 5735.56 | 50.27 | -23.73 | 74 | 42.07 | 32.54 | 8.33 | 32.67 | 100 | 78 | P | V |
| | | 5758.52 | 41.21 | -12.79 | 54 | 32.99 | 32.56 | 8.33 | 32.67 | 100 | 78 | A | V |
| 802.11n HT40 CH 110 5550MHz | | 5448.08 | 52.84 | -21.16 | 74 | 44.78 | 32.34 | 8.29 | 32.57 | 103 | 30 | P | H |
| | | 5447.28 | 45.59 | -8.41 | 54 | 37.53 | 32.34 | 8.29 | 32.57 | 103 | 30 | A | H |
| | * | 5550 | 108.36 | - | - | 100.28 | 32.43 | 8.24 | 32.59 | 103 | 30 | P | H |
| | * | 5550 | 103.5 | - | - | 95.42 | 32.43 | 8.24 | 32.59 | 103 | 30 | A | H |
| | | 5729.56 | 51.82 | -22.18 | 74 | 43.62 | 32.53 | 8.33 | 32.66 | 103 | 30 | P | H |
| | | 5741.96 | 41.21 | -12.79 | 54 | 33.01 | 32.54 | 8.33 | 32.67 | 103 | 30 | A | H |
| | | 5439.28 | 49.87 | -24.13 | 74 | 41.83 | 32.32 | 8.29 | 32.57 | 100 | 82 | P | V |
| | | 5447.12 | 42.2 | -11.8 | 54 | 34.14 | 32.34 | 8.29 | 32.57 | 100 | 82 | A | V |
| | * | 5555 | 103.71 | - | - | 95.64 | 32.43 | 8.24 | 32.6 | 100 | 82 | P | V |
| | * | 5555 | 96.23 | - | - | 88.16 | 32.43 | 8.24 | 32.6 | 100 | 82 | A | V |
| | 5762.04 | 51.19 | -22.81 | 74 | 42.95 | 32.56 | 8.35 | 32.67 | 100 | 82 | P | V | |
| | 5754.92 | 40.69 | -13.31 | 54 | 32.47 | 32.56 | 8.33 | 32.67 | 100 | 82 | A | V | |



| | | | | | | | | | | | | | |
|--|---|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| 802.11n HT40 CH 134 5670MHz | | 5360.4 | 49.67 | -24.33 | 74 | 41.79 | 32.22 | 8.23 | 32.57 | 100 | 333 | P | H |
| | | 5467.12 | 40.49 | -13.51 | 54 | 32.41 | 32.36 | 8.29 | 32.57 | 100 | 333 | A | H |
| | * | 5672 | 108.51 | - | - | 100.38 | 32.5 | 8.27 | 32.64 | 100 | 333 | P | H |
| | * | 5672 | 101.12 | - | - | 92.99 | 32.5 | 8.27 | 32.64 | 100 | 333 | A | H |
| | | 5731.16 | 55.53 | -18.47 | 74 | 47.34 | 32.53 | 8.33 | 32.67 | 100 | 333 | P | H |
| | | 5725 | 45.21 | -8.79 | 54 | 37.01 | 32.53 | 8.33 | 32.66 | 100 | 333 | A | H |
| | | 5441.52 | 48.44 | -25.56 | 74 | 40.4 | 32.32 | 8.29 | 32.57 | 126 | 74 | P | V |
| | | 5469.36 | 39.72 | -14.28 | 54 | 31.64 | 32.36 | 8.29 | 32.57 | 126 | 74 | A | V |
| | * | 5672 | 100.97 | - | - | 92.84 | 32.5 | 8.27 | 32.64 | 126 | 74 | P | V |
| | * | 5672 | 93.87 | - | - | 85.74 | 32.5 | 8.27 | 32.64 | 126 | 74 | A | V |
| | | 5729.8 | 52.13 | -21.87 | 74 | 43.93 | 32.53 | 8.33 | 32.66 | 126 | 74 | P | V |
| | | 5725.08 | 41.77 | -12.23 | 54 | 33.57 | 32.53 | 8.33 | 32.66 | 126 | 74 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI Ant. 1 | 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) | |
|--------------------------------|--|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11n HT40 CH 102 5510MHz | | 11019 | 50.79 | -23.21 | 74 | 61 | 40.29 | 12.3 | 62.8 | 100 | 0 | P | H | |
| | | 16530 | 42.89 | -31.11 | 74 | 48.18 | 38.91 | 15.24 | 59.44 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 11019 | 49.16 | -24.84 | 74 | 59.37 | 40.29 | 12.3 | 62.8 | 100 | 0 | P | V |
| | | | 16530 | 42.34 | -31.66 | 74 | 47.63 | 38.91 | 15.24 | 59.44 | 100 | 0 | P | V |
| | | | | | | | | | | | | | | V |
| 802.11n HT40 CH 110 5550MHz | | 11100 | 51.53 | -22.47 | 74 | 61.74 | 40.24 | 12.35 | 62.8 | 100 | 44 | P | H | |
| | | 11100 | 44.09 | -9.91 | 54 | 54.3 | 40.24 | 12.35 | 62.8 | 100 | 44 | A | H | |
| | | 16650 | 37.83 | -36.17 | 74 | 42.84 | 39.3 | 15.28 | 59.59 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | 11100 | 49.59 | -24.41 | 74 | 59.8 | 40.24 | 12.35 | 62.8 | 113 | 313 | P | V |
| | | | 11100 | 41.81 | -12.19 | 54 | 52.02 | 40.24 | 12.35 | 62.8 | 113 | 313 | A | V |
| | | | 16650 | 36.52 | -37.48 | 74 | 41.53 | 39.3 | 15.28 | 59.59 | 100 | 0 | P | V |
| 802.11n HT40 CH 134 5670MHz | | 11340 | 55.18 | -18.82 | 74 | 65.39 | 40.1 | 12.49 | 62.8 | 100 | 360 | P | H | |
| | | 11340 | 45.4 | -8.6 | 54 | 55.61 | 40.1 | 12.49 | 62.8 | 100 | 360 | A | H | |
| | | 17010 | 46.49 | -27.51 | 74 | 50.66 | 40.45 | 15.39 | 60.01 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | 11343 | 50.71 | -23.29 | 74 | 60.92 | 40.1 | 12.49 | 62.8 | 100 | 0 | P | V |
| | | | 17010 | 46.36 | -27.64 | 74 | 50.53 | 40.45 | 15.39 | 60.01 | 100 | 0 | P | V |
| | | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. | | | | | | | | | | | | | |
| | 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Emission below 1GHz

WIFI 802.11n HT20 (LF @ 3m)

| 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 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) | |
| 802.11n HT20 LF | | 31.08 | 16.65 | -23.35 | 40 | 29.36 | 19.46 | 0.65 | 32.82 | | | P | H | |
| | | 41.61 | 11.93 | -28.07 | 40 | 30.7 | 13.38 | 0.65 | 32.8 | | | P | H | |
| | | 109.65 | 11.93 | -31.57 | 43.5 | 32.03 | 11.4 | 1.14 | 32.64 | | | P | H | |
| | | 472.9 | 24.03 | -21.97 | 46 | 36.91 | 17.72 | 2.3 | 32.9 | | | P | H | |
| | | 512.1 | 25.95 | -20.05 | 46 | 38.23 | 18.32 | 2.33 | 32.93 | | | P | H | |
| | | 542.2 | 27.16 | -18.84 | 46 | 39.04 | 18.62 | 2.47 | 32.97 | 111 | 223 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 32.7 | 19.94 | -20.06 | 40 | 33.72 | 18.38 | 0.65 | 32.81 | 100 | 66 | P | V |
| | | | 41.07 | 12.6 | -27.4 | 40 | 30.81 | 13.94 | 0.65 | 32.8 | | | P | V |
| | | | 87.24 | 9.93 | -30.07 | 40 | 32.62 | 8.84 | 1.14 | 32.67 | | | P | V |
| | | | 379.1 | 24.83 | -21.17 | 46 | 39.56 | 15.96 | 2.13 | 32.82 | | | P | V |
| | | | 484.8 | 25.29 | -20.71 | 46 | 37.95 | 17.92 | 2.33 | 32.91 | | | P | V |
| | | | 752.9 | 24.13 | -21.87 | 46 | 32.52 | 21.63 | 2.91 | 32.93 | | | P | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against 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 | | (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”.



<For Sample 1>

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

| 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 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11n HT20 CH 140 5700MHz | * | 5698 | 112.38 | - | - | 104.22 | 32.51 | 8.3 | 32.65 | 100 | 331 | P | H |
| | * | 5698 | 103.76 | - | - | 95.6 | 32.51 | 8.3 | 32.65 | 100 | 331 | A | H |
| | | 5728.04 | 61.48 | -12.52 | 74 | 53.28 | 32.53 | 8.33 | 32.66 | 100 | 331 | P | H |
| | | 5751.8 | 50.76 | -3.24 | 54 | 42.54 | 32.56 | 8.33 | 32.67 | 100 | 331 | A | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 5698 | 105.8 | - | - | 97.64 | 32.51 | 8.3 | 32.65 | 107 | 63 | P | V |
| | * | 5698 | 98.56 | - | - | 90.4 | 32.51 | 8.3 | 32.65 | 107 | 63 | A | V |
| | | 5725.08 | 56.46 | -17.54 | 74 | 48.26 | 32.53 | 8.33 | 32.66 | 107 | 63 | P | V |
| | | 5751.72 | 45.86 | -8.14 | 54 | 37.64 | 32.56 | 8.33 | 32.67 | 107 | 63 | A | V |
| | | | | | | | | | | | | V | |
| | | | | | | | | | | | | V | |
| Remark | 3. No other spurious found. 4. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant. 1 | 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) | |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11n HT20 CH 140 5700MHz | | 11400 | 55.64 | -18.36 | 74 | 65.85 | 40.06 | 12.53 | 62.8 | 100 | 26 | P | H | |
| | | 11400 | 48.46 | -5.54 | 54 | 58.67 | 40.06 | 12.53 | 62.8 | 100 | 26 | A | H | |
| | | 17100 | 47.03 | -26.97 | 74 | 50.93 | 40.68 | 15.48 | 60.06 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | 11397 | 55.51 | -18.49 | 74 | 65.74 | 40.06 | 12.51 | 62.8 | 100 | 313 | P | V |
| | | | 11397 | 46.84 | -7.16 | 54 | 57.07 | 40.06 | 12.51 | 62.8 | 100 | 313 | A | V |
| | | | 17100 | 47.45 | -26.55 | 74 | 51.35 | 40.68 | 15.48 | 60.06 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V | |
| Remark | 3. No other spurious found. 4. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 3 - 5470~5725MHz

Emission below 1GHz

WIFI 802.11n HT20 (LF @ 3m)

| WIFI Ant. | Note | Frequency | Level | Over Limit | Limit Line | Read Level | Antenna Factor | Cable Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol. | |
|-----------------------|--|-----------|------------|------------|------------|------------|----------------|------------|---------------|---------|-----------|-----------|---------|---|
| 1 | | (MHz) | (dBµV/m) | (dB) | (dBµV/m) | (dBµV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) | |
| 802.11n HT20 LF | | 30 | 25.68 | -14.32 | 40 | 37.85 | 20 | 0.65 | 32.82 | | | P | H | |
| | | 79.41 | 32.01 | -7.99 | 40 | 55.89 | 7.88 | 0.93 | 32.69 | 128 | 12 | P | H | |
| | | 139.62 | 30.86 | -12.64 | 43.5 | 50.3 | 11.9 | 1.33 | 32.67 | | | P | H | |
| | | 329.4 | 24.59 | -21.41 | 46 | 40.78 | 14.63 | 1.94 | 32.76 | | | P | H | |
| | | 752.2 | 23.85 | -22.15 | 46 | 32.24 | 21.63 | 2.91 | 32.93 | | | P | H | |
| | | 920.9 | 24.67 | -21.33 | 46 | 29.9 | 23.65 | 3.2 | 32.08 | | | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 30 | 33.64 | -6.36 | 40 | 45.81 | 20 | 0.65 | 32.82 | | | P | V |
| | | | 76.44 | 36.25 | -3.75 | 40 | 60.49 | 7.53 | 0.93 | 32.7 | 166 | 99 | P | V |
| | | | 139.62 | 24.59 | -18.91 | 43.5 | 44.03 | 11.9 | 1.33 | 32.67 | | | P | V |
| | | | 304.2 | 18.96 | -27.04 | 46 | 35.88 | 13.93 | 1.88 | 32.73 | | | P | V |
| | | | 323.1 | 18.82 | -27.18 | 46 | 35.25 | 14.45 | 1.88 | 32.76 | | | P | V |
| | | | 621.3 | 23.18 | -22.82 | 46 | 33.72 | 19.86 | 2.62 | 33.02 | | | P | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 3. No other spurious found. 4. All results are PASS against 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 | | (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
- 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”.



<For Sample 2>

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

| 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 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11n HT20 CH 140 5700MHz | * | 5698 | 111.09 | - | - | 102.93 | 32.51 | 8.3 | 32.65 | 100 | 327 | P | H |
| | * | 5698 | 102.18 | - | - | 94.02 | 32.51 | 8.3 | 32.65 | 100 | 327 | A | H |
| | | 5731.56 | 67.5 | -6.5 | 74 | 59.31 | 32.53 | 8.33 | 32.67 | 100 | 327 | P | H |
| | | 5751.88 | 49.55 | -4.45 | 54 | 41.33 | 32.56 | 8.33 | 32.67 | 100 | 327 | A | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 5698 | 105.68 | - | - | 97.52 | 32.51 | 8.3 | 32.65 | 100 | 63 | P | V |
| | * | 5698 | 98.48 | - | - | 90.32 | 32.51 | 8.3 | 32.65 | 100 | 63 | A | V |
| | | 5725 | 58.85 | -15.15 | 74 | 50.65 | 32.53 | 8.33 | 32.66 | 100 | 63 | P | V |
| | | 5725 | 46.75 | -7.25 | 54 | 38.55 | 32.53 | 8.33 | 32.66 | 100 | 63 | A | V |
| | | | | | | | | | | | | V | |
| | | | | | | | | | | | | V | |
| Remark | 5. No other spurious found. 6. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant. 1 | 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) | |
|-----------------------------|---|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11n HT20 CH 140 5700MHz | | 11400 | 58.51 | -15.49 | 74 | 68.72 | 40.06 | 12.53 | 62.8 | 100 | 2 | P | H | |
| | | 11400 | 48.16 | -5.84 | 54 | 58.37 | 40.06 | 12.53 | 62.8 | 100 | 2 | A | H | |
| | | 17100 | 46.26 | -27.74 | 74 | 50.16 | 40.68 | 15.48 | 60.06 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | 11400 | 53.79 | -20.21 | 74 | 64 | 40.06 | 12.53 | 62.8 | 102 | 6 | P | V |
| | | | 11400 | 46.64 | -7.36 | 54 | 56.85 | 40.06 | 12.53 | 62.8 | 102 | 6 | A | V |
| | | | 17100 | 47.23 | -26.77 | 74 | 51.13 | 40.68 | 15.48 | 60.06 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V | |
| Remark | 5. No other spurious found. 6. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 3 - 5470~5725MHz

Emission below 1GHz

WIFI 802.11n HT20 (LF @ 3m)

| WIFI Ant. | Note | Frequency | Level | Over Limit | Limit Line | Read Level | Antenna Factor | Cable Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol. | |
|-----------------------|--|-----------|------------|------------|------------|------------|----------------|------------|---------------|---------|-----------|-----------|---------|---|
| 1 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) | |
| 802.11n HT20 LF | | 31.89 | 16.8 | -23.2 | 40 | 30.05 | 18.92 | 0.65 | 32.82 | | | P | H | |
| | | 122.88 | 11.3 | -32.2 | 43.5 | 30.88 | 11.93 | 1.14 | 32.65 | | | P | H | |
| | | 210.36 | 13.22 | -30.28 | 43.5 | 33.93 | 10.4 | 1.62 | 32.73 | | | P | H | |
| | | 303.5 | 18.77 | -27.23 | 46 | 35.71 | 13.91 | 1.88 | 32.73 | | | P | H | |
| | | 602.4 | 33.49 | -12.51 | 46 | 44.33 | 19.62 | 2.57 | 33.03 | 106 | 63 | P | H | |
| | | 789.3 | 26.9 | -19.1 | 46 | 34.83 | 21.99 | 2.97 | 32.89 | | | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 31.62 | 23.37 | -16.63 | 40 | 36.62 | 18.92 | 0.65 | 32.82 | | | P | V |
| | | | 35.4 | 20.14 | -19.86 | 40 | 35.56 | 16.74 | 0.65 | 32.81 | | | P | V |
| | | | 201.72 | 14.58 | -28.92 | 43.5 | 35.68 | 10.15 | 1.48 | 32.73 | | | P | V |
| | | | 505.1 | 28.18 | -17.82 | 46 | 40.53 | 18.25 | 2.33 | 32.93 | | | P | V |
| | | | 514.2 | 29.54 | -16.46 | 46 | 41.81 | 18.34 | 2.33 | 32.94 | 164 | 183 | P | V |
| | | | 785.1 | 27.16 | -18.84 | 46 | 35.14 | 21.95 | 2.97 | 32.9 | | | P | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 5. No other spurious found. 6. All results are PASS against 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 | | (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 |

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

For Peak Limit @ 2390MHz:

- 3. 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)
- 4. Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

- 3. 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)
- 4. 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”.