



Appendix B. Radiated Spurious Emission

| | | | |
|-----------------|----------|---------------------|---------|
| Test Engineer : | Lewis He | Temperature : | 23~24°C |
| | | Relative Humidity : | 50~51% |

15C 2.4GHz 2400~2483.5MHz

WIFI 802.11b (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) | |
| 802.11b CH 01 2412MHz | | 2385.33 | 52.71 | -21.29 | 74 | 52.74 | 27.19 | 33.24 | 6.02 | 124 | 351 | P | H | |
| | | 2389.92 | 42.51 | -11.49 | 54 | 42.48 | 27.23 | 33.22 | 6.02 | 124 | 351 | A | H | |
| | * | 2413.193 | 104 | - | - | 103.86 | 27.28 | 33.22 | 6.08 | 124 | 351 | P | H | |
| | * | 2411.105 | 101.1 | - | - | 100.96 | 27.28 | 33.22 | 6.08 | 124 | 351 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | | | 2353.47 | 52.52 | -21.48 | 74 | 52.65 | 27.14 | 33.25 | 5.98 | 123 | 63 | P | V |
| | | | 2390 | 42.29 | -11.71 | 54 | 42.26 | 27.23 | 33.22 | 6.02 | 123 | 63 | A | V |
| | * | | 2413.193 | 96.46 | - | - | 96.32 | 27.28 | 33.22 | 6.08 | 123 | 63 | P | V |
| | * | | 2411.105 | 94.01 | - | - | 93.87 | 27.28 | 33.22 | 6.08 | 123 | 63 | A | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| 802.11b CH 06 2437MHz | | 2382.54 | 53.1 | -20.9 | 74 | 53.13 | 27.19 | 33.24 | 6.02 | 212 | 297 | P | H | |
| | | 2389.92 | 42.27 | -11.73 | 54 | 42.24 | 27.23 | 33.22 | 6.02 | 212 | 297 | A | H | |
| | * | 2437 | 100.64 | - | - | 100.4 | 27.37 | 33.21 | 6.08 | 212 | 297 | P | H | |
| | * | 2437 | 98.16 | - | - | 97.92 | 27.37 | 33.21 | 6.08 | 212 | 297 | A | H | |
| | | | 2483.92 | 54.43 | -19.57 | 74 | 53.93 | 27.46 | 33.18 | 6.22 | 212 | 297 | P | H |
| | | | 2484.12 | 42.93 | -11.07 | 54 | 42.43 | 27.46 | 33.18 | 6.22 | 212 | 297 | A | H |
| | | | 2353.47 | 53.08 | -20.92 | 74 | 53.21 | 27.14 | 33.25 | 5.98 | 377 | 25 | P | V |
| | | | 2390 | 42.22 | -11.78 | 54 | 42.19 | 27.23 | 33.22 | 6.02 | 377 | 25 | A | V |
| | * | | 2437 | 96.58 | - | - | 96.34 | 27.37 | 33.21 | 6.08 | 377 | 25 | P | V |
| | * | | 2437 | 94.14 | - | - | 93.9 | 27.37 | 33.21 | 6.08 | 377 | 25 | A | V |
| | | | 2486.56 | 53.38 | -20.62 | 74 | 52.88 | 27.46 | 33.18 | 6.22 | 377 | 25 | P | V |
| | | | 2484.24 | 42.74 | -11.26 | 54 | 42.24 | 27.46 | 33.18 | 6.22 | 377 | 25 | A | V |



| 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 CH 11 2462MHz | * | 2460.955 | 103.38 | - | - | 103.02 | 27.41 | 33.2 | 6.15 | 171 | 299 | P | H | |
| | * | 2460.955 | 100.93 | - | - | 100.57 | 27.41 | 33.2 | 6.15 | 171 | 299 | A | H | |
| | | 2483.8 | 54.41 | -19.59 | 74 | 53.91 | 27.46 | 33.18 | 6.22 | 171 | 299 | P | H | |
| | | 2483.52 | 43.98 | -10.02 | 54 | 43.48 | 27.46 | 33.18 | 6.22 | 171 | 299 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | * | 2460.872 | 99.63 | - | - | 99.27 | 27.41 | 33.2 | 6.15 | 308 | 108 | P | V | |
| | * | 2460.872 | 97.18 | - | - | 96.82 | 27.41 | 33.2 | 6.15 | 308 | 108 | A | V | |
| | | 2488.36 | 53.25 | -20.75 | 74 | 52.71 | 27.5 | 33.18 | 6.22 | 308 | 108 | P | V | |
| | | 2483.52 | 43.33 | -10.67 | 54 | 42.83 | 27.46 | 33.18 | 6.22 | 308 | 108 | A | V | |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



15C 2.4GHz 2400~2483.5MHz
WIFI 802.11b (Harmonic @ 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) |
| 802.11b CH 01 2412MHz | | 4824 | 39.23 | -34.77 | 74 | 60.87 | 31.46 | 60.61 | 7.51 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | 4824 | 38.18 | -35.82 | 74 | 59.82 | 31.46 | 60.61 | 7.51 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| 802.11b CH 06 2437MHz | | 4872 | 37.91 | -36.09 | 74 | 59.33 | 31.56 | 60.52 | 7.54 | 100 | 0 | P | H |
| | | 7308 | 43.85 | -30.15 | 74 | 57.34 | 36.18 | 60.93 | 11.26 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | 4872 | 37.93 | -36.07 | 74 | 59.35 | 31.56 | 60.52 | 7.54 | 100 | 0 | P | V |
| | | 7308 | 43.06 | -30.94 | 74 | 56.55 | 36.18 | 60.93 | 11.26 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| 802.11b CH 11 2462MHz | | 4926 | 38.5 | -35.5 | 74 | 59.66 | 31.66 | 60.42 | 7.6 | 100 | 0 | P | H |
| | | 7386 | 45.5 | -28.5 | 74 | 58.64 | 36.37 | 61.19 | 11.68 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | 4926 | 38.38 | -35.62 | 74 | 59.54 | 31.66 | 60.42 | 7.6 | 100 | 0 | P | V |
| | | 7386 | 46.25 | -27.75 | 74 | 59.39 | 36.37 | 61.19 | 11.68 | 100 | 0 | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



**15C 2.4GHz 2400~2483.5MHz
WIFI 802.11g (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) | |
| 802.11g CH 01 2412MHz | | 2390 | 58.53 | -15.47 | 74 | 58.5 | 27.23 | 33.22 | 6.02 | 245 | 307 | P | H | |
| | | 2390 | 44.79 | -9.21 | 54 | 44.76 | 27.23 | 33.22 | 6.02 | 245 | 307 | A | H | |
| | * | 2414 | 105.15 | - | - | 105.01 | 27.28 | 33.22 | 6.08 | 245 | 307 | P | H | |
| | * | 2414 | 97.94 | - | - | 97.8 | 27.28 | 33.22 | 6.08 | 245 | 307 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 2389.83 | 54.98 | -19.02 | 74 | 54.95 | 27.23 | 33.22 | 6.02 | 395 | 250 | P | V |
| | | | 2389.83 | 44.15 | -9.85 | 54 | 44.12 | 27.23 | 33.22 | 6.02 | 395 | 250 | A | V |
| | * | | 2414 | 103.56 | - | - | 103.42 | 27.28 | 33.22 | 6.08 | 395 | 250 | P | V |
| | * | | 2414 | 96.3 | - | - | 96.16 | 27.28 | 33.22 | 6.08 | 395 | 250 | A | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| 802.11g CH 06 2437MHz | | 2359.14 | 53.24 | -20.76 | 74 | 53.37 | 27.14 | 33.25 | 5.98 | 239 | 313 | P | H | |
| | | 2390 | 43.19 | -10.81 | 54 | 43.16 | 27.23 | 33.22 | 6.02 | 239 | 313 | A | H | |
| | * | 2439 | 104.92 | - | - | 104.68 | 27.37 | 33.21 | 6.08 | 239 | 313 | P | H | |
| | * | 2439 | 97.67 | - | - | 97.43 | 27.37 | 33.21 | 6.08 | 239 | 313 | A | H | |
| | | | 2485.24 | 54.18 | -19.82 | 74 | 53.68 | 27.46 | 33.18 | 6.22 | 239 | 313 | P | H |
| | | | 2485.12 | 44.36 | -9.64 | 54 | 43.86 | 27.46 | 33.18 | 6.22 | 239 | 313 | A | H |
| | | | 2381.82 | 53.06 | -20.94 | 74 | 53.09 | 27.19 | 33.24 | 6.02 | 390 | 257 | P | V |
| | | | 2389.92 | 43.03 | -10.97 | 54 | 43 | 27.23 | 33.22 | 6.02 | 390 | 257 | A | V |
| | * | | 2439 | 103.4 | - | - | 103.16 | 27.37 | 33.21 | 6.08 | 390 | 257 | P | V |
| | * | | 2439 | 96.17 | - | - | 95.93 | 27.37 | 33.21 | 6.08 | 390 | 257 | A | V |
| | | | 2484.2 | 53.48 | -20.52 | 74 | 52.98 | 27.46 | 33.18 | 6.22 | 390 | 257 | P | V |
| | | | 2484.24 | 44.12 | -9.88 | 54 | 43.62 | 27.46 | 33.18 | 6.22 | 390 | 257 | A | V |



| 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) |
| 802.11g CH 11 2462MHz | * | 2460 | 102.21 | - | - | 101.85 | 27.41 | 33.2 | 6.15 | 254 | 162 | P | H |
| | * | 2460 | 94.98 | - | - | 94.62 | 27.41 | 33.2 | 6.15 | 254 | 162 | A | H |
| | | 2483.56 | 69.09 | -4.91 | 74 | 68.59 | 27.46 | 33.18 | 6.22 | 254 | 162 | P | H |
| | | 2483.6 | 53.24 | -0.76 | 54 | 52.74 | 27.46 | 33.18 | 6.22 | 254 | 162 | A | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 2460 | 103.31 | - | - | 102.95 | 27.41 | 33.2 | 6.15 | 371 | 244 | P | V |
| | * | 2460 | 96.04 | - | - | 95.68 | 27.41 | 33.2 | 6.15 | 371 | 244 | A | V |
| | | 2483.68 | 67.97 | -6.03 | 74 | 67.47 | 27.46 | 33.18 | 6.22 | 371 | 244 | P | V |
| | | 2483.52 | 53.31 | -0.69 | 54 | 52.81 | 27.46 | 33.18 | 6.22 | 371 | 244 | A | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



**15C 2.4GHz 2400~2483.5MHz
WIFI 802.11g (Harmonic @ 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) | |
| 802.11g CH 01 2412MHz | | 4824 | 39.04 | -34.96 | 74 | 60.68 | 31.46 | 60.61 | 7.51 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | 4824 | 39.17 | -34.83 | 74 | 60.81 | 31.46 | 60.61 | 7.51 | 100 | 0 | P | V | |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| 802.11g CH 06 2437MHz | | 4875 | 37.18 | -36.82 | 74 | 58.6 | 31.56 | 60.52 | 7.54 | 100 | 0 | P | H | |
| | | 7310 | 42.93 | -31.07 | 74 | 56.42 | 36.18 | 60.93 | 11.26 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | 4875 | 37.17 | -36.83 | 74 | 58.59 | 31.56 | 60.52 | 7.54 | 100 | 0 | P | V | |
| | | 7310 | 44.68 | -29.32 | 74 | 58.17 | 36.18 | 60.93 | 11.26 | 100 | 0 | P | V | |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| 802.11g CH 11 2462MHz | | 4924 | 40.3 | -33.7 | 74 | 61.46 | 31.66 | 60.42 | 7.6 | 100 | 0 | P | H | |
| | | 7386 | 46.54 | -27.46 | 74 | 59.68 | 36.37 | 61.19 | 11.68 | 100 | 0 | P | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | 4924 | 40.38 | -33.62 | 74 | 61.54 | 31.66 | 60.42 | 7.6 | 100 | 0 | P | V | |
| | | 7386 | 45.17 | -28.83 | 74 | 58.31 | 36.37 | 61.19 | 11.68 | 100 | 0 | P | V | |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



**15C 2.4GHz 2400~2483.5MHz
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 01 2412MHz | | 2389.29 | 59.87 | -14.13 | 74 | 59.86 | 27.23 | 33.24 | 6.02 | 198 | 355 | P | H | |
| | | 2389.92 | 45.01 | -8.99 | 54 | 44.98 | 27.23 | 33.22 | 6.02 | 198 | 355 | A | H | |
| | * | 2414 | 105.3 | - | - | 105.16 | 27.28 | 33.22 | 6.08 | 198 | 355 | P | H | |
| | * | 2414 | 98.09 | - | - | 97.95 | 27.28 | 33.22 | 6.08 | 198 | 355 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | | | 2389.02 | 54.35 | -19.65 | 74 | 54.34 | 27.23 | 33.24 | 6.02 | 364 | 34 | P | V |
| | | | 2389.83 | 43.14 | -10.86 | 54 | 43.11 | 27.23 | 33.22 | 6.02 | 364 | 34 | A | V |
| | | * | 2414 | 98.19 | - | - | 98.05 | 27.28 | 33.22 | 6.08 | 364 | 34 | P | V |
| | | * | 2414 | 90.91 | - | - | 90.77 | 27.28 | 33.22 | 6.08 | 364 | 34 | A | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| 802.11n HT20 CH 06 2437MHz | | 2389.02 | 53.09 | -20.91 | 74 | 53.08 | 27.23 | 33.24 | 6.02 | 175 | 306 | P | H | |
| | | 2390 | 43.05 | -10.95 | 54 | 43.02 | 27.23 | 33.22 | 6.02 | 175 | 306 | A | H | |
| | | * | 2439 | 104.51 | - | - | 104.27 | 27.37 | 33.21 | 6.08 | 175 | 306 | P | H |
| | | * | 2439 | 96.78 | - | - | 96.54 | 27.37 | 33.21 | 6.08 | 175 | 306 | A | H |
| | | | 2486.2 | 54.43 | -19.57 | 74 | 53.93 | 27.46 | 33.18 | 6.22 | 175 | 306 | P | H |
| | | | 2483.52 | 44.54 | -9.46 | 54 | 44.04 | 27.46 | 33.18 | 6.22 | 175 | 306 | A | H |
| | | | 2386.14 | 53.09 | -20.91 | 74 | 53.08 | 27.23 | 33.24 | 6.02 | 100 | 143 | P | V |
| | | | 2387.4 | 43.11 | -10.89 | 54 | 43.1 | 27.23 | 33.24 | 6.02 | 100 | 143 | A | V |
| | | * | 2439 | 96.17 | - | - | 95.93 | 27.37 | 33.21 | 6.08 | 100 | 143 | P | V |
| | | * | 2439 | 88.9 | - | - | 88.66 | 27.37 | 33.21 | 6.08 | 100 | 143 | A | V |
| | | 2498.68 | 53.99 | -20.01 | 74 | 53.44 | 27.5 | 33.17 | 6.22 | 100 | 143 | P | V | |
| | | 2483.68 | 43.56 | -10.44 | 54 | 43.06 | 27.46 | 33.18 | 6.22 | 100 | 143 | A | V | |



| 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 11 2462MHz | * | 2460 | 100.83 | - | - | 100.47 | 27.41 | 33.2 | 6.15 | 145 | 311 | P | H |
| | * | 2460 | 94.06 | - | - | 93.7 | 27.41 | 33.2 | 6.15 | 145 | 311 | A | H |
| | | 2483.8 | 69.52 | -4.48 | 74 | 69.02 | 27.46 | 33.18 | 6.22 | 145 | 311 | P | H |
| | | 2483.52 | 52.12 | -1.88 | 54 | 51.62 | 27.46 | 33.18 | 6.22 | 145 | 311 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 2460 | 100.47 | - | - | 100.11 | 27.41 | 33.2 | 6.15 | 367 | 244 | P | V |
| | * | 2460 | 93.6 | - | - | 93.24 | 27.41 | 33.2 | 6.15 | 367 | 244 | A | V |
| | | 2484 | 65.46 | -8.54 | 74 | 64.96 | 27.46 | 33.18 | 6.22 | 367 | 244 | P | V |
| | | 2483.6 | 52.52 | -1.48 | 54 | 52.02 | 27.46 | 33.18 | 6.22 | 367 | 244 | P | V |
| | | | | | | | | | | | | V | |
| | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



**15C 2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Harmonic @ 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 01 2412MHz | | 4824 | 37.72 | -36.28 | 74 | 59.36 | 31.46 | 60.61 | 7.51 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| 802.11n HT20 CH 06 2437MHz | | 4875 | 36.45 | -37.55 | 74 | 57.87 | 31.56 | 60.52 | 7.54 | 100 | 0 | P | H |
| | | 7311 | 43.4 | -30.6 | 74 | 56.89 | 36.18 | 60.93 | 11.26 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| 802.11n HT20 CH 11 2462MHz | | 4923 | 40.18 | -33.82 | 74 | 61.34 | 31.66 | 60.42 | 7.6 | 100 | 0 | P | H |
| | | 7387 | 46.34 | -27.66 | 74 | 59.48 | 36.37 | 61.19 | 11.68 | 100 | 0 | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



15C Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

| 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) | |
| 2.4GHz 802.11g LF | | 40.8 | 31.31 | -8.69 | 40 | 49.44 | 13.94 | 32.8 | 0.73 | 100 | 0 | P | H | |
| | | 131.79 | 30.2 | -13.3 | 43.5 | 49.42 | 11.98 | 32.66 | 1.46 | - | - | P | H | |
| | | 139.08 | 31.19 | -12.31 | 43.5 | 50.49 | 11.91 | 32.67 | 1.46 | - | - | P | H | |
| | | 763.4 | 22.45 | -23.55 | 46 | 30.41 | 21.73 | 32.92 | 3.23 | - | - | P | H | |
| | | 899.9 | 24.84 | -21.16 | 46 | 30.5 | 23.2 | 32.31 | 3.45 | - | - | P | H | |
| | | 955.2 | 26.25 | -19.75 | 46 | 30.17 | 24.28 | 31.7 | 3.5 | - | - | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 40.8 | 36.57 | -3.43 | 40 | 54.7 | 13.94 | 32.8 | 0.73 | 100 | 56 | QP | V |
| | | | 40.8 | 39.67 | -0.33 | 40 | 57.8 | 13.94 | 32.8 | 0.73 | 100 | 56 | P | V |
| | | | 93.45 | 27.24 | -16.26 | 43.5 | 49.08 | 9.56 | 32.65 | 1.25 | - | - | P | V |
| | | | 141.78 | 28.19 | -15.31 | 43.5 | 47.55 | 11.85 | 32.67 | 1.46 | - | - | P | V |
| | | | 672.4 | 20.88 | -25.12 | 46 | 30.6 | 20.38 | 33 | 2.9 | - | - | P | V |
| | | | 871.2 | 24.56 | -21.44 | 46 | 30.87 | 22.8 | 32.48 | 3.37 | - | - | P | V |
| | | | 948.2 | 26.35 | -19.65 | 46 | 30.35 | 24.28 | 31.78 | 3.5 | - | - | P | 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 per 15.209(c). |
| ! | 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”.