



## Appendix B. Radiated Spurious Emission

|                 |              |                     |         |
|-----------------|--------------|---------------------|---------|
| Test Engineer : | Derreck Chen | Temperature :       | 19~21°C |
|                 |              | Relative Humidity : | 43~44%  |

### 15E Band 4 - 5725~5850MHz

#### 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<br>CH 149<br>5745MHz |      | 5712.68   | 49.35      | -24.65 | 74         | 41.31    | 32.29    | 9.39   | 33.64  | 100    | 198     | P       | H       |
|                              |      | 5718.68   | 55.59      | -22.71 | 78.3       | 47.53    | 32.31    | 9.39   | 33.64  | 100    | 198     | P       | H       |
|                              |      | 5714.6    | 42.09      | -11.91 | 54         | 34.05    | 32.29    | 9.39   | 33.64  | 100    | 198     | A       | H       |
|                              | *    | 5747      | 91.79      | -      | -          | 83.66    | 32.34    | 9.44   | 33.65  | 100    | 198     | P       | H       |
|                              | *    | 5747      | 86.04      | -      | -          | 77.91    | 32.34    | 9.44   | 33.65  | 100    | 198     | A       | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      | 5710.28   | 62.44      | -11.56 | 74         | 54.4     | 32.29    | 9.39   | 33.64  | 160    | 354     | P       | V       |
|                              |      | 5724.04   | 70         | -8.3   | 78.3       | 61.89    | 32.31    | 9.44   | 33.64  | 160    | 354     | P       | V       |
|                              |      | 5714.6    | 53.59      | -0.41  | 54         | 45.55    | 32.29    | 9.39   | 33.64  | 160    | 354     | A       | V       |
|                              | *    | 5741      | 108.48     | -      | -          | 100.35   | 32.34    | 9.44   | 33.65  | 160    | 354     | P       | V       |
|                              | *    | 5741      | 101.87     | -      | -          | 93.74    | 32.34    | 9.44   | 33.65  | 160    | 354     | A       | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | 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) |
| 802.11a<br>CH 157<br>5785MHz |      | 5702.2    | 48.32      | -25.68 | 74         | 40.27    | 32.29    | 9.39   | 33.63  | 201    | 188     | P     | H     |
|                              |      | 5721.64   | 47.66      | -30.64 | 78.3       | 39.55    | 32.31    | 9.44   | 33.64  | 201    | 188     | P     | H     |
|                              |      | 5700.04   | 39.83      | -14.17 | 54         | 31.8     | 32.27    | 9.39   | 33.63  | 201    | 188     | A     | H     |
|                              | *    | 5785      | 94.37      | -      | -          | 86.13    | 32.41    | 9.49   | 33.66  | 201    | 188     | P     | H     |
|                              | *    | 5785      | 87.14      | -      | -          | 78.92    | 32.39    | 9.49   | 33.66  | 201    | 188     | A     | H     |
|                              |      | 5855.76   | 49.63      | -28.67 | 78.3       | 41.26    | 32.51    | 9.54   | 33.68  | 201    | 188     | P     | H     |
|                              |      | 5870.16   | 49.46      | -24.54 | 74         | 41.1     | 32.51    | 9.54   | 33.69  | 201    | 188     | P     | H     |
|                              |      | 5867.92   | 40.47      | -13.53 | 54         | 32.11    | 32.51    | 9.54   | 33.69  | 201    | 188     | A     | H     |
|                              |      | 5712.84   | 54.96      | -19.04 | 74         | 46.92    | 32.29    | 9.39   | 33.64  | 141    | 359     | P     | V     |
|                              |      | 5721.96   | 58.42      | -19.88 | 78.3       | 50.31    | 32.31    | 9.44   | 33.64  | 141    | 359     | P     | V     |
|                              |      | 5713.56   | 46.5       | -7.5   | 54         | 38.46    | 32.29    | 9.39   | 33.64  | 141    | 359     | A     | V     |
|                              | *    | 5785      | 109.2      | -      | -          | 100.96   | 32.41    | 9.49   | 33.66  | 141    | 359     | P     | V     |
|                              | *    | 5785      | 102.53     | -      | -          | 94.31    | 32.39    | 9.49   | 33.66  | 141    | 359     | A     | V     |
|                              |      | 5851.04   | 55.43      | -22.87 | 78.3       | 47.09    | 32.48    | 9.54   | 33.68  | 141    | 359     | P     | V     |
|                              |      | 5867.68   | 55.37      | -18.63 | 74         | 47.01    | 32.51    | 9.54   | 33.69  | 141    | 359     | P     | V     |
|                              |      | 5864.88   | 46.93      | -7.07  | 54         | 38.57    | 32.51    | 9.54   | 33.69  | 141    | 359     | 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) |
| 802.11a<br>CH 165<br>5825MHz | *                                                                                           | 5822      | 92.93      | -      | -          | 84.62    | 32.46    | 9.52   | 33.67  | 107    | 190     | P     | H     |
|                              | *                                                                                           | 5822      | 85.09      | -      | -          | 76.78    | 32.46    | 9.52   | 33.67  | 107    | 190     | A     | H     |
|                              |                                                                                             | 5850.96   | 52.08      | -26.22 | 78.3       | 43.74    | 32.48    | 9.54   | 33.68  | 107    | 190     | P     | H     |
|                              |                                                                                             | 5888.88   | 49.84      | -24.16 | 74         | 41.41    | 32.56    | 9.57   | 33.7   | 107    | 190     | P     | H     |
|                              |                                                                                             | 5861.12   | 41.22      | -12.78 | 54         | 32.86    | 32.51    | 9.54   | 33.69  | 107    | 190     | A     | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              | *                                                                                           | 5825      | 108.8      | -      | -          | 100.49   | 32.46    | 9.52   | 33.67  | 109    | 354     | P     | V     |
|                              | *                                                                                           | 5825      | 101.26     | -      | -          | 92.95    | 32.46    | 9.52   | 33.67  | 109    | 354     | A     | V     |
|                              |                                                                                             | 5850.56   | 70.79      | -7.51  | 78.3       | 62.45    | 32.48    | 9.54   | 33.68  | 109    | 354     | P     | V     |
|                              |                                                                                             | 5860.56   | 63.9       | -10.1  | 74         | 55.54    | 32.51    | 9.54   | 33.69  | 109    | 354     | P     | V     |
|                              |                                                                                             | 5860      | 53.12      | -0.88  | 54         | 44.76    | 32.51    | 9.54   | 33.69  | 109    | 354     | A     | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |       |       |



## 15E Band 4 5725~5850MHz

## WIFI 802.11a (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) |
| 802.11a<br>CH 149<br>5745MHz |                                                                                             | 11490     | 45.66      | -28.34 | 74         | 26.41    | 40.01    | 13.95  | 34.71  | 150    | 0       | P     | H     |
|                              |                                                                                             | 17235     | 47.53      | -26.47 | 74         | 25.15    | 41.41    | 16.95  | 35.98  | 150    | 0       | P     | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             | 11490     | 44.89      | -29.11 | 74         | 25.64    | 40.01    | 13.95  | 34.71  | 150    | 0       | P     | V     |
|                              |                                                                                             | 17235     | 49.82      | -24.18 | 74         | 27.44    | 41.41    | 16.95  | 35.98  | 150    | 0       | P     | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
| 802.11a<br>CH 157<br>5785MHz |                                                                                             | 11571     | 45.73      | -28.27 | 74         | 26.61    | 39.89    | 14     | 34.77  | 150    | 0       | P     | H     |
|                              |                                                                                             | 17355     | 50.3       | -23.7  | 74         | 27.58    | 41.67    | 17.03  | 35.98  | 150    | 0       | P     | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             | 11571     | 45.38      | -28.62 | 74         | 26.26    | 39.89    | 14     | 34.77  | 150    | 0       | P     | V     |
|                              |                                                                                             | 17355     | 50.07      | -23.93 | 74         | 27.35    | 41.67    | 17.03  | 35.98  | 150    | 0       | P     | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
| 802.11a<br>CH 165<br>5825MHz |                                                                                             | 11649     | 45.39      | -28.61 | 74         | 26.37    | 39.78    | 14.05  | 34.81  | 150    | 0       | P     | H     |
|                              |                                                                                             | 17475     | 50.41      | -23.59 | 74         | 27.37    | 41.93    | 17.1   | 35.99  | 150    | 0       | P     | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             | 11691     | 44.71      | -29.29 | 74         | 25.75    | 39.7     | 14.08  | 34.82  | 150    | 0       | P     | V     |
|                              |                                                                                             | 17475     | 49.92      | -24.08 | 74         | 26.88    | 41.93    | 17.1   | 35.99  | 150    | 0       | P     | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |       |       |



## 15E Band 4 5725~5850MHz

## 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<br>HT20<br>CH 149<br>5745MHz |                                                              | 5709.08   | 53.6       | -20.4  | 74         | 45.56    | 32.29    | 9.39   | 33.64  | 105    | 195     | P       | H       |
|                                      |                                                              | 5723      | 59.3       | -19    | 78.3       | 51.19    | 32.31    | 9.44   | 33.64  | 105    | 195     | P       | H       |
|                                      |                                                              | 5714.68   | 44.77      | -9.23  | 54         | 36.73    | 32.29    | 9.39   | 33.64  | 105    | 195     | A       | H       |
|                                      | *                                                            | 5747      | 99.29      | -      | -          | 91.16    | 32.34    | 9.44   | 33.65  | 105    | 195     | P       | H       |
|                                      | *                                                            | 5747      | 92.82      | -      | -          | 84.69    | 32.34    | 9.44   | 33.65  | 105    | 195     | A       | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              | 5713.56   | 58.87      | -15.13 | 74         | 50.83    | 32.29    | 9.39   | 33.64  | 100    | 284     | P       | V       |
|                                      |                                                              | 5723.32   | 66.07      | -12.23 | 78.3       | 57.96    | 32.31    | 9.44   | 33.64  | 100    | 284     | P       | V       |
|                                      |                                                              | 5714.36   | 50.49      | -3.51  | 54         | 42.45    | 32.29    | 9.39   | 33.64  | 100    | 284     | A       | V       |
|                                      | *                                                            | 5747      | 106.54     | -      | -          | 98.41    | 32.34    | 9.44   | 33.65  | 100    | 284     | P       | V       |
|                                      | *                                                            | 5747      | 99.13      | -      | -          | 91       | 32.34    | 9.44   | 33.65  | 100    | 284     | A       | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                               | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                      | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |

**15E Band 4 5725~5850MHz****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<br>HT20<br>CH 149<br>5745MHz |                                                                                             | 11490     | 45.66      | -28.34 | 74         | 26.41    | 40.01    | 13.95  | 34.71  | 150    | 0       | P     | H     |
|                                      |                                                                                             | 17235     | 49.53      | -24.47 | 74         | 27.15    | 41.41    | 16.95  | 35.98  | 150    | 0       | P     | H     |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |                                                                                             | 11490     | 44.89      | -29.11 | 74         | 25.64    | 40.01    | 13.95  | 34.71  | 150    | 0       | P     | V     |
|                                      |                                                                                             | 17235     | 49.82      | -24.18 | 74         | 27.44    | 41.41    | 16.95  | 35.98  | 150    | 0       | P     | V     |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |       |       |



## 15E Band 4 5725~5850MHz

## WIFI 802.11n HT40 (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<br>HT40<br>CH 151<br>5755MHz |      | 5710.68   | 62.49      | -11.51 | 74         | 54.45    | 32.29    | 9.39   | 33.64  | 263    | 173     | P     | H     |
|                                      |      | 5724.68   | 61.98      | -16.32 | 78.3       | 53.87    | 32.31    | 9.44   | 33.64  | 263    | 173     | P     | H     |
|                                      |      | 5714.84   | 50.85      | -3.15  | 54         | 42.81    | 32.29    | 9.39   | 33.64  | 263    | 173     | A     | H     |
|                                      | *    | 5741      | 99.01      | -      | -          | 90.88    | 32.34    | 9.44   | 33.65  | 263    | 173     | P     | H     |
|                                      | *    | 5741      | 92.22      | -      | -          | 84.09    | 32.34    | 9.44   | 33.65  | 263    | 173     | A     | H     |
|                                      |      | 5858.64   | 49.65      | -28.65 | 78.3       | 41.29    | 32.51    | 9.54   | 33.69  | 263    | 173     | P     | H     |
|                                      |      | 5861.6    | 50.33      | -23.67 | 74         | 41.97    | 32.51    | 9.54   | 33.69  | 263    | 173     | P     | H     |
|                                      |      | 5860      | 41.64      | -12.36 | 54         | 33.28    | 32.51    | 9.54   | 33.69  | 263    | 173     | A     | H     |
|                                      |      | 5707.32   | 68.27      | -5.73  | 74         | 60.23    | 32.29    | 9.39   | 33.64  | 104    | 277     | P     | V     |
|                                      |      | 5720.52   | 66.03      | -12.27 | 78.3       | 57.97    | 32.31    | 9.39   | 33.64  | 104    | 277     | P     | V     |
|                                      |      | 5714.84   | 52.9       | -1.1   | 54         | 44.86    | 32.29    | 9.39   | 33.64  | 104    | 277     | A     | V     |
|                                      | *    | 5762      | 100.9      | -      | -          | 92.7     | 32.36    | 9.49   | 33.65  | 104    | 277     | P     | V     |
|                                      | *    | 5762      | 95.08      | -      | -          | 86.88    | 32.36    | 9.49   | 33.65  | 104    | 277     | A     | V     |
|                                      |      | 5852.48   | 51.09      | -27.21 | 78.3       | 42.75    | 32.48    | 9.54   | 33.68  | 104    | 277     | P     | V     |
|                                      |      | 5860.16   | 51.33      | -22.67 | 74         | 42.97    | 32.51    | 9.54   | 33.69  | 104    | 277     | P     | V     |
|                                      |      | 5860.4    | 42.76      | -11.24 | 54         | 34.4     | 32.51    | 9.54   | 33.69  | 104    | 277     | 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<br>HT40<br>CH 159<br>5795MHz |                                                                                             | 5713.64   | 50.65      | -23.35 | 74         | 42.61    | 32.29    | 9.39   | 33.64  | 100    | 197     | P     | H     |
|                                      |                                                                                             | 5724.44   | 52.42      | -25.88 | 78.3       | 44.31    | 32.31    | 9.44   | 33.64  | 100    | 197     | P     | H     |
|                                      |                                                                                             | 5714.6    | 42.6       | -11.4  | 54         | 34.56    | 32.29    | 9.39   | 33.64  | 100    | 197     | A     | H     |
|                                      | *                                                                                           | 5793      | 96.57      | -      | -          | 88.33    | 32.41    | 9.49   | 33.66  | 100    | 197     | P     | H     |
|                                      | *                                                                                           | 5793      | 89.28      | -      | -          | 81.04    | 32.41    | 9.49   | 33.66  | 100    | 197     | A     | H     |
|                                      |                                                                                             | 5853.2    | 51.52      | -26.78 | 78.3       | 43.18    | 32.48    | 9.54   | 33.68  | 100    | 197     | P     | H     |
|                                      |                                                                                             | 5863.04   | 51.78      | -22.22 | 74         | 43.42    | 32.51    | 9.54   | 33.69  | 100    | 197     | P     | H     |
|                                      |                                                                                             | 5862.64   | 42.89      | -11.11 | 54         | 34.53    | 32.51    | 9.54   | 33.69  | 100    | 197     | A     | H     |
|                                      |                                                                                             | 5711.32   | 56.65      | -17.35 | 74         | 48.61    | 32.29    | 9.39   | 33.64  | 100    | 279     | P     | V     |
|                                      |                                                                                             | 5723.64   | 56.09      | -22.21 | 78.3       | 47.98    | 32.31    | 9.44   | 33.64  | 100    | 279     | P     | V     |
|                                      |                                                                                             | 5714.84   | 47.22      | -6.78  | 54         | 39.18    | 32.29    | 9.39   | 33.64  | 100    | 279     | A     | V     |
|                                      | *                                                                                           | 5793      | 103.11     | -      | -          | 94.87    | 32.41    | 9.49   | 33.66  | 100    | 279     | P     | V     |
|                                      | *                                                                                           | 5793      | 95.35      | -      | -          | 87.11    | 32.41    | 9.49   | 33.66  | 100    | 279     | A     | V     |
|                                      |                                                                                             | 5850.16   | 55.71      | -22.59 | 78.3       | 47.37    | 32.48    | 9.54   | 33.68  | 100    | 279     | P     | V     |
|                                      |                                                                                             | 5862.32   | 54.24      | -19.76 | 74         | 45.88    | 32.51    | 9.54   | 33.69  | 100    | 279     | P     | V     |
|                                      |                                                                                             | 5860.16   | 46.46      | -7.54  | 54         | 38.1     | 32.51    | 9.54   | 33.69  | 100    | 279     | A     | V     |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |       |       |



## 15E Band 4 5725~5850MHz

## WIFI 802.11n HT40 (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<br>HT40<br>CH 159<br>5795MHz |                                                                                             | 11589     | 45.23      | -28.77 | 74         | 26.14    | 39.86    | 14     | 34.77  | 150    | 0       | P     | H     |
|                                      |                                                                                             | 17385     | 50.44      | -23.56 | 74         | 27.66    | 41.74    | 17.03  | 35.99  | 150    | 0       | P     | H     |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |                                                                                             | 11589     | 45.46      | -28.54 | 74         | 26.37    | 39.86    | 14     | 34.77  | 150    | 0       | P     | V     |
|                                      |                                                                                             | 17385     | 48.97      | -25.03 | 74         | 26.19    | 41.74    | 17.03  | 35.99  | 150    | 0       | P     | V     |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |       |       |

## 15E Emission below 1GHz

### 5GHz WIFI 802.11a (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) |
| 5GHz<br>802.11a<br>LF |                                                                            | 96.69     | 13.58      | -29.92 | 43.5       | 34.48  | 9.6      | 1.28   | 31.78  |        |         | P     | H     |
|                       |                                                                            | 135.3     | 14.64      | -28.86 | 43.5       | 33.8   | 11.16    | 1.46   | 31.78  |        |         | P     | H     |
|                       |                                                                            | 231.42    | 13.05      | -32.95 | 46         | 33.36  | 9.67     | 1.79   | 31.77  |        |         | P     | H     |
|                       |                                                                            | 418.3     | 17.47      | -28.53 | 46         | 30.25  | 16.63    | 2.41   | 31.82  |        |         | P     | H     |
|                       |                                                                            | 615       | 20.44      | -25.56 | 46         | 30.62  | 18.9     | 2.96   | 32.04  |        |         | P     | H     |
|                       |                                                                            | 911.1     | 22.55      | -23.45 | 46         | 30.23  | 20.11    | 3.55   | 31.34  | 198    | 214     | P     | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            | 105.33    | 14.5       | -29    | 43.5       | 34.07  | 10.93    | 1.28   | 31.78  |        |         | P     | V     |
|                       |                                                                            | 194.16    | 10.04      | -33.46 | 43.5       | 31.73  | 8.45     | 1.64   | 31.78  |        |         | P     | V     |
|                       |                                                                            | 257.88    | 14.55      | -31.45 | 46         | 31.59  | 12.79    | 1.94   | 31.77  |        |         | P     | V     |
|                       |                                                                            | 482.7     | 17.49      | -28.51 | 46         | 29.56  | 17.23    | 2.57   | 31.87  |        |         | P     | V     |
|                       |                                                                            | 622       | 20.18      | -25.82 | 46         | 30.26  | 19       | 2.96   | 32.04  |        |         | P     | V     |
|                       |                                                                            | 740.3     | 21.54      | -24.46 | 46         | 30.48  | 19.8     | 3.25   | 31.99  | 177    | 284     | P     | V     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
| Remark                | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



## Band 4 - 5725~5850MHz

## 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.    |         |
| 2                            |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |      | 5709.64   | 63.15      | -10.85 | 74         | 55.11    | 32.29    | 9.39   | 33.64  | 214    | 175     | P       | H       |
|                              |      | 5724.76   | 73.89      | -4.41  | 78.3       | 65.78    | 32.31    | 9.44   | 33.64  | 214    | 175     | P       | H       |
|                              |      | 5714.92   | 52.66      | -1.34  | 54         | 44.62    | 32.29    | 9.39   | 33.64  | 214    | 175     | A       | H       |
|                              | *    | 5747      | 108.66     | -      | -          | 100.53   | 32.34    | 9.44   | 33.65  | 214    | 175     | P       | H       |
|                              | *    | 5747      | 101.44     | -      | -          | 93.31    | 32.34    | 9.44   | 33.65  | 214    | 175     | A       | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      | 5689.72   | 49.39      | -24.61 | 74         | 41.36    | 32.27    | 9.39   | 33.63  | 100    | 64      | P       | V       |
|                              |      | 5723.56   | 55.26      | -23.04 | 78.3       | 47.15    | 32.31    | 9.44   | 33.64  | 100    | 64      | P       | V       |
|                              |      | 5714.76   | 41.36      | -12.64 | 54         | 33.32    | 32.29    | 9.39   | 33.64  | 100    | 64      | A       | V       |
|                              | *    | 5743      | 93.38      | -      | -          | 85.25    | 32.34    | 9.44   | 33.65  | 100    | 64      | P       | V       |
|                              | *    | 5743      | 85.77      | -      | -          | 77.64    | 32.34    | 9.44   | 33.65  | 100    | 64      | A       | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |



| WIFI<br>Ant.<br>2            | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 157<br>5785MHz |      | 5713.72              | 56.18               | -17.82                  | 74                          | 48.14                     | 32.29                         | 9.39                    | 33.64                      | 234                  | 175                     | P                       | H               |
|                              |      | 5720.04              | 55.88               | -22.42                  | 78.3                        | 47.82                     | 32.31                         | 9.39                    | 33.64                      | 234                  | 175                     | P                       | H               |
|                              |      | 5714.76              | 46.79               | -7.21                   | 54                          | 38.75                     | 32.29                         | 9.39                    | 33.64                      | 234                  | 175                     | A                       | H               |
|                              | *    | 5787                 | 110.38              | -                       | -                           | 102.14                    | 32.41                         | 9.49                    | 33.66                      | 234                  | 175                     | P                       | H               |
|                              | *    | 5787                 | 103.09              | -                       | -                           | 94.85                     | 32.41                         | 9.49                    | 33.66                      | 234                  | 175                     | A                       | H               |
|                              |      | 5852.8               | 55                  | -23.3                   | 78.3                        | 46.66                     | 32.48                         | 9.54                    | 33.68                      | 234                  | 175                     | P                       | H               |
|                              |      | 5865.12              | 55.26               | -18.74                  | 74                          | 46.9                      | 32.51                         | 9.54                    | 33.69                      | 234                  | 175                     | P                       | H               |
|                              |      | 5864.96              | 47.07               | -6.93                   | 54                          | 38.71                     | 32.51                         | 9.54                    | 33.69                      | 234                  | 175                     | A                       | H               |
|                              |      | 5708.92              | 49.33               | -24.67                  | 74                          | 41.29                     | 32.29                         | 9.39                    | 33.64                      | 377                  | 120                     | P                       | V               |
|                              |      | 5716.52              | 50.58               | -27.72                  | 78.3                        | 42.54                     | 32.29                         | 9.39                    | 33.64                      | 377                  | 120                     | P                       | V               |
|                              |      | 5704.52              | 40.68               | -13.32                  | 54                          | 32.63                     | 32.29                         | 9.39                    | 33.63                      | 377                  | 120                     | A                       | V               |
|                              | *    | 5787                 | 99.67               | -                       | -                           | 91.43                     | 32.41                         | 9.49                    | 33.66                      | 377                  | 120                     | P                       | V               |
|                              | *    | 5787                 | 93.21               | -                       | -                           | 84.97                     | 32.41                         | 9.49                    | 33.66                      | 377                  | 120                     | A                       | V               |
|                              |      | 5857.84              | 49.38               | -28.92                  | 78.3                        | 41.02                     | 32.51                         | 9.54                    | 33.69                      | 377                  | 120                     | P                       | V               |
|                              |      | 5866.4               | 49.57               | -24.43                  | 74                          | 41.21                     | 32.51                         | 9.54                    | 33.69                      | 377                  | 120                     | P                       | V               |
|                              |      | 5869.36              | 41.19               | -12.81                  | 54                          | 32.83                     | 32.51                         | 9.54                    | 33.69                      | 377                  | 120                     | A                       | V               |



| WIFI<br>Ant.<br>2                     | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 165<br/>5825MHz</b> | *                                                                                           | 5827                 | 109.18              | -                       | -                           | 100.87                    | 32.46                         | 9.52                    | 33.67                      | 214                  | 175                     | P                       | H               |
|                                       | *                                                                                           | 5827                 | 102.52              | -                       | -                           | 94.21                     | 32.46                         | 9.52                    | 33.67                      | 214                  | 175                     | A                       | H               |
|                                       |                                                                                             | 5850.96              | 69.58               | -8.72                   | 78.3                        | 61.24                     | 32.48                         | 9.54                    | 33.68                      | 214                  | 175                     | P                       | H               |
|                                       |                                                                                             | 5870.8               | 66.27               | -7.73                   | 74                          | 57.89                     | 32.53                         | 9.54                    | 33.69                      | 214                  | 175                     | P                       | H               |
|                                       |                                                                                             | 5860.16              | 53.89               | -0.11                   | 54                          | 45.53                     | 32.51                         | 9.54                    | 33.69                      | 214                  | 175                     | A                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                       | *                                                                                           | 5827                 | 96.09               | -                       | -                           | 87.78                     | 32.46                         | 9.52                    | 33.67                      | 102                  | 127                     | P                       | V               |
|                                       | *                                                                                           | 5827                 | 88.72               | -                       | -                           | 80.41                     | 32.46                         | 9.52                    | 33.67                      | 102                  | 127                     | A                       | V               |
|                                       |                                                                                             | 5852.96              | 54.88               | -23.42                  | 78.3                        | 46.54                     | 32.48                         | 9.54                    | 33.68                      | 102                  | 127                     | P                       | V               |
|                                       |                                                                                             | 5868.24              | 52.79               | -21.21                  | 74                          | 44.43                     | 32.51                         | 9.54                    | 33.69                      | 102                  | 127                     | P                       | V               |
|                                       |                                                                                             | 5860.08              | 42.86               | -11.14                  | 54                          | 34.5                      | 32.51                         | 9.54                    | 33.69                      | 102                  | 127                     | A                       | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI<br>Ant.<br>2            | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 149<br>5745MHz |                                                                                             | 11490                | 46.43               | -27.57                  | 74                          | 27.18                     | 40.01                         | 34.71                   | 13.95                      | 150                  | 0                       | P                       | H               |
|                              |                                                                                             | 17235                | 49.28               | -24.72                  | 74                          | 26.9                      | 41.41                         | 35.98                   | 16.95                      | 150                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11490                | 47.23               | -26.77                  | 74                          | 27.98                     | 40.01                         | 34.71                   | 13.95                      | 150                  | 0                       | P                       | V               |
|                              |                                                                                             | 17235                | 49.64               | -24.36                  | 74                          | 27.26                     | 41.41                         | 35.98                   | 16.95                      | 150                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11a<br>CH 157<br>5785MHz |                                                                                             | 11571                | 46.4                | -27.6                   | 74                          | 27.28                     | 39.89                         | 14                      | 34.77                      | 150                  | 0                       | P                       | H               |
|                              |                                                                                             | 17355                | 49.9                | -24.1                   | 74                          | 27.18                     | 41.67                         | 17.03                   | 35.98                      | 150                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11571                | 45.77               | -28.23                  | 74                          | 26.65                     | 39.89                         | 14                      | 34.77                      | 150                  | 0                       | P                       | V               |
|                              |                                                                                             | 17355                | 50.58               | -23.42                  | 74                          | 27.86                     | 41.67                         | 17.03                   | 35.98                      | 150                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11a<br>CH 165<br>5825MHz |                                                                                             | 11649                | 45.02               | -28.98                  | 74                          | 26                        | 39.78                         | 14.05                   | 34.81                      | 150                  | 0                       | P                       | H               |
|                              |                                                                                             | 17475                | 50.33               | -23.67                  | 74                          | 27.29                     | 41.93                         | 17.1                    | 35.99                      | 150                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11649                | 45.01               | -28.99                  | 74                          | 25.99                     | 39.78                         | 14.05                   | 34.81                      | 150                  | 0                       | P                       | V               |
|                              |                                                                                             | 17475                | 50.14               | -23.86                  | 74                          | 27.1                      | 41.93                         | 17.1                    | 35.99                      | 150                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI<br>Ant.<br>2                    | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 149<br>5745MHz |                                                              | 5711.64              | 61.56               | -12.44                  | 74                          | 53.52                     | 32.29                         | 9.39                    | 33.64                      | 201                  | 175                     | P                       | H               |
|                                      |                                                              | 5723.48              | 69.06               | -9.24                   | 78.3                        | 60.95                     | 32.31                         | 9.44                    | 33.64                      | 201                  | 175                     | P                       | H               |
|                                      |                                                              | 5715                 | 53.83               | -0.17                   | 54                          | 45.79                     | 32.29                         | 9.39                    | 33.64                      | 201                  | 175                     | A                       | H               |
|                                      | *                                                            | 5747                 | 109.16              | -                       | -                           | 101.03                    | 32.34                         | 9.44                    | 33.65                      | 201                  | 175                     | P                       | H               |
|                                      | *                                                            | 5747                 | 101.93              | -                       | -                           | 93.8                      | 32.34                         | 9.44                    | 33.65                      | 201                  | 175                     | A                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                              | 5714.2               | 51.64               | -22.36                  | 74                          | 43.6                      | 32.29                         | 9.39                    | 33.64                      | 380                  | 126                     | P                       | V               |
|                                      |                                                              | 5724.12              | 60.37               | -17.93                  | 78.3                        | 52.26                     | 32.31                         | 9.44                    | 33.64                      | 380                  | 126                     | P                       | V               |
|                                      |                                                              | 5714.52              | 44.07               | -9.93                   | 54                          | 36.03                     | 32.29                         | 9.39                    | 33.64                      | 380                  | 126                     | A                       | V               |
|                                      | *                                                            | 5744                 | 99.35               | -                       | -                           | 91.22                     | 32.34                         | 9.44                    | 33.65                      | 380                  | 126                     | P                       | V               |
|                                      | *                                                            | 5744                 | 91.78               | -                       | -                           | 83.65                     | 32.34                         | 9.44                    | 33.65                      | 380                  | 126                     | A                       | 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 802.11n HT20 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>2                              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT20<br/>CH 149<br/>5745MHz</b> |                                                                                             | 11490                | 46.43               | -27.57                  | 74                          | 27.18                     | 40.01                         | 34.71                   | 13.95                      | 150                  | 0                       | P                       | H               |
|                                                |                                                                                             | 17235                | 49.28               | -24.72                  | 74                          | 26.9                      | 41.41                         | 35.98                   | 16.95                      | 150                  | 0                       | P                       | H               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                                |                                                                                             | 11490                | 47.23               | -26.77                  | 74                          | 27.98                     | 40.01                         | 34.71                   | 13.95                      | 150                  | 0                       | P                       | V               |
|                                                |                                                                                             | 17235                | 48.64               | -25.36                  | 74                          | 26.26                     | 41.41                         | 35.98                   | 16.95                      | 150                  | 0                       | P                       | V               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI<br>Ant.<br>2                    | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 151<br>5755MHz |      | 5713.8               | 66.2                | -7.8                    | 74                          | 58.16                     | 32.29                         | 9.39                    | 33.64                      | 222                  | 179                     | P                       | H               |
|                                      |      | 5722.44              | 70.05               | -8.25                   | 78.3                        | 61.94                     | 32.31                         | 9.44                    | 33.64                      | 222                  | 179                     | P                       | H               |
|                                      |      | 5711.72              | 52.85               | -1.15                   | 54                          | 44.81                     | 32.29                         | 9.39                    | 33.64                      | 222                  | 179                     | A                       | H               |
|                                      | *    | 5759                 | 103.59              | -                       | -                           | 95.44                     | 32.36                         | 9.44                    | 33.65                      | 222                  | 179                     | P                       | H               |
|                                      | *    | 5759                 | 96.67               | -                       | -                           | 88.52                     | 32.36                         | 9.44                    | 33.65                      | 222                  | 179                     | A                       | H               |
|                                      |      | 5850.24              | 55.74               | -22.56                  | 78.3                        | 47.4                      | 32.48                         | 9.54                    | 33.68                      | 222                  | 179                     | P                       | H               |
|                                      |      | 5880.56              | 53.28               | -20.72                  | 74                          | 44.9                      | 32.53                         | 9.54                    | 33.69                      | 222                  | 179                     | P                       | H               |
|                                      |      | 5860.08              | 45.87               | -8.13                   | 54                          | 37.51                     | 32.51                         | 9.54                    | 33.69                      | 222                  | 179                     | A                       | H               |
|                                      |      | 5712.2               | 50.85               | -23.15                  | 74                          | 42.81                     | 32.29                         | 9.39                    | 33.64                      | 285                  | 140                     | P                       | V               |
|                                      |      | 5723.8               | 54.3                | -24                     | 78.3                        | 46.19                     | 32.31                         | 9.44                    | 33.64                      | 285                  | 140                     | P                       | V               |
|                                      |      | 5714.68              | 42.26               | -11.74                  | 54                          | 34.22                     | 32.29                         | 9.39                    | 33.64                      | 285                  | 140                     | A                       | V               |
|                                      | *    | 5742                 | 90.02               | -                       | -                           | 81.89                     | 32.34                         | 9.44                    | 33.65                      | 285                  | 140                     | P                       | V               |
|                                      | *    | 5742                 | 83.18               | -                       | -                           | 75.05                     | 32.34                         | 9.44                    | 33.65                      | 285                  | 140                     | A                       | V               |
|                                      |      | 5858                 | 49.81               | -28.49                  | 78.3                        | 41.45                     | 32.51                         | 9.54                    | 33.69                      | 285                  | 140                     | P                       | V               |
|                                      |      | 5869.28              | 49.78               | -24.22                  | 74                          | 41.42                     | 32.51                         | 9.54                    | 33.69                      | 285                  | 140                     | P                       | V               |
|                                      |      | 5860.4               | 41.17               | -12.83                  | 54                          | 32.81                     | 32.51                         | 9.54                    | 33.69                      | 285                  | 140                     | A                       | V               |



| WIFI<br>Ant.<br>2                              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 159<br/>5795MHz</b> |                                                                                             | 5711.96              | 56.88               | -17.12                  | 74                          | 48.84                     | 32.29                         | 9.39                    | 33.64                      | 217                  | 172                     | P                       | H               |
|                                                |                                                                                             | 5723.64              | 56.56               | -21.74                  | 78.3                        | 48.45                     | 32.31                         | 9.44                    | 33.64                      | 217                  | 172                     | P                       | H               |
|                                                |                                                                                             | 5713.72              | 47.28               | -6.72                   | 54                          | 39.24                     | 32.29                         | 9.39                    | 33.64                      | 217                  | 172                     | A                       | H               |
|                                                | *                                                                                           | 5797                 | 105.39              | -                       | -                           | 97.15                     | 32.41                         | 9.49                    | 33.66                      | 217                  | 172                     | P                       | H               |
|                                                | *                                                                                           | 5797                 | 97.66               | -                       | -                           | 89.42                     | 32.41                         | 9.49                    | 33.66                      | 217                  | 172                     | A                       | H               |
|                                                |                                                                                             | 5852.08              | 62.76               | -15.54                  | 78.3                        | 54.42                     | 32.48                         | 9.54                    | 33.68                      | 217                  | 172                     | P                       | H               |
|                                                |                                                                                             | 5862                 | 60.84               | -13.16                  | 74                          | 52.48                     | 32.51                         | 9.54                    | 33.69                      | 217                  | 172                     | P                       | H               |
|                                                |                                                                                             | 5861.6               | 51.78               | -2.22                   | 54                          | 43.42                     | 32.51                         | 9.54                    | 33.69                      | 217                  | 172                     | A                       | H               |
|                                                |                                                                                             | 5691.24              | 49.69               | -24.31                  | 74                          | 41.66                     | 32.27                         | 9.39                    | 33.63                      | 377                  | 118                     | P                       | V               |
|                                                |                                                                                             | 5723.8               | 48.6                | -29.7                   | 78.3                        | 40.49                     | 32.31                         | 9.44                    | 33.64                      | 377                  | 118                     | P                       | V               |
|                                                |                                                                                             | 5709.24              | 41.04               | -12.96                  | 54                          | 33                        | 32.29                         | 9.39                    | 33.64                      | 377                  | 118                     | A                       | V               |
|                                                | *                                                                                           | 5793                 | 95.32               | -                       | -                           | 87.08                     | 32.41                         | 9.49                    | 33.66                      | 377                  | 118                     | P                       | V               |
|                                                | *                                                                                           | 5793                 | 88.11               | -                       | -                           | 79.87                     | 32.41                         | 9.49                    | 33.66                      | 377                  | 118                     | A                       | V               |
|                                                |                                                                                             | 5852.72              | 51.19               | -27.11                  | 78.3                        | 42.85                     | 32.48                         | 9.54                    | 33.68                      | 377                  | 118                     | P                       | V               |
|                                                |                                                                                             | 5876.4               | 50.66               | -23.34                  | 74                          | 42.28                     | 32.53                         | 9.54                    | 33.69                      | 377                  | 118                     | P                       | V               |
|                                                |                                                                                             | 5861.2               | 42.39               | -11.61                  | 54                          | 34.03                     | 32.51                         | 9.54                    | 33.69                      | 377                  | 118                     | A                       | V               |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |

**Band 4 5725~5850MHz****WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>2                              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 159<br/>5795MHz</b> |                                                                                             | 11589                | 44.81               | -29.19                  | 74                          | 25.72                     | 39.86                         | 14                      | 34.77                      | 150                  | 0                       | P                       | H               |
|                                                |                                                                                             | 17385                | 49.88               | -24.12                  | 74                          | 27.1                      | 41.74                         | 17.03                   | 35.99                      | 150                  | 0                       | P                       | H               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                                |                                                                                             | 11589                | 45.46               | -28.54                  | 74                          | 26.37                     | 39.86                         | 14                      | 34.77                      | 150                  | 0                       | P                       | V               |
|                                                |                                                                                             | 17385                | 50.16               | -23.84                  | 74                          | 27.38                     | 41.74                         | 17.03                   | 35.99                      | 150                  | 0                       | P                       | V               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |

## Emission below 1GHz

### 5GHz WIFI 802.11a (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.  |       |
| 2                     |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 5GHz<br>802.11a<br>LF |                                                                            | 75.63     | 12.38      | -27.62 | 40         | 37.29  | 5.84     | 1.04   | 31.79  |        |         | P     | H     |
|                       |                                                                            | 135.3     | 14.64      | -28.86 | 43.5       | 33.8   | 11.16    | 1.46   | 31.78  |        |         | P     | H     |
|                       |                                                                            | 231.42    | 13.05      | -32.95 | 46         | 33.36  | 9.67     | 1.79   | 31.77  |        |         | P     | H     |
|                       |                                                                            | 408.5     | 17.33      | -28.67 | 46         | 30.52  | 16.21    | 2.41   | 31.81  |        |         | P     | H     |
|                       |                                                                            | 552       | 19.95      | -26.05 | 46         | 30.49  | 18.66    | 2.77   | 31.97  |        |         | P     | H     |
|                       |                                                                            | 843.2     | 23.19      | -22.81 | 46         | 31.3   | 20.2     | 3.4    | 31.71  | 197    | 136     | P     | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                       |                                                                            | 72.66     | 11.3       | -28.7  | 40         | 36.58  | 5.47     | 1.04   | 31.79  |        |         | P     | V     |
|                       |                                                                            | 162.03    | 13.75      | -29.75 | 43.5       | 34.67  | 9.4      | 1.46   | 31.78  |        |         | P     | V     |
|                       |                                                                            | 257.88    | 14.55      | -31.45 | 46         | 31.59  | 12.79    | 1.94   | 31.77  |        |         | P     | V     |
|                       |                                                                            | 400.1     | 18.27      | -27.73 | 46         | 32.04  | 15.71    | 2.32   | 31.8   |        |         | P     | V     |
|                       |                                                                            | 666.1     | 21.28      | -24.72 | 46         | 31.36  | 18.94    | 3.02   | 32.04  |        |         | P     | V     |
|                       |                                                                            | 896.4     | 23.04      | -22.96 | 46         | 30.84  | 20.1     | 3.55   | 31.45  | 204    | 237     | P     | V     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
| Remark                | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 149<br>5745MHz |      | 5711.48              | 55.78               | -18.22                  | 74                          | 47.74                     | 32.29                         | 9.39                    | 33.64                      | 331                  | 116                     | P                       | H               |
|                                      |      | 5724.2               | 59.68               | -18.62                  | 78.3                        | 51.57                     | 32.31                         | 9.44                    | 33.64                      | 331                  | 116                     | P                       | H               |
|                                      |      | 5714.44              | 47.87               | -6.13                   | 54                          | 39.83                     | 32.29                         | 9.39                    | 33.64                      | 331                  | 116                     | A                       | H               |
|                                      | *    | 5743                 | 103.27              | -                       | -                           | 95.14                     | 32.34                         | 9.44                    | 33.65                      | 331                  | 116                     | P                       | H               |
|                                      | *    | 5743                 | 97.19               | -                       | -                           | 89.06                     | 32.34                         | 9.44                    | 33.65                      | 331                  | 116                     | A                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |      | 5700.92              | 62.94               | -11.06                  | 74                          | 54.89                     | 32.29                         | 9.39                    | 33.63                      | 112                  | 277                     | P                       | V               |
|                                      |      | 5724.92              | 68.95               | -9.35                   | 78.3                        | 60.84                     | 32.31                         | 9.44                    | 33.64                      | 112                  | 277                     | P                       | V               |
|                                      |      | 5714.84              | 53.56               | -0.44                   | 54                          | 45.52                     | 32.29                         | 9.39                    | 33.64                      | 112                  | 277                     | A                       | V               |
|                                      | *    | 5747                 | 110.4               | -                       | -                           | 102.27                    | 32.34                         | 9.44                    | 33.65                      | 112                  | 277                     | P                       | V               |
|                                      | *    | 5747                 | 103.23              | -                       | -                           | 95.1                      | 32.34                         | 9.44                    | 33.65                      | 112                  | 277                     | A                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1+2                            | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT20<br/>CH 157<br/>5785MHz</b> |      | 5697.8               | 51.28               | -22.72                  | 74                          | 43.25                     | 32.27                         | 9.39                    | 33.63                      | 329                  | 115                     | P                       | H               |
|                                                |      | 5724.12              | 53.59               | -24.71                  | 78.3                        | 45.48                     | 32.31                         | 9.44                    | 33.64                      | 329                  | 115                     | P                       | H               |
|                                                |      | 5711.64              | 43.31               | -10.69                  | 54                          | 35.27                     | 32.29                         | 9.39                    | 33.64                      | 329                  | 115                     | A                       | H               |
|                                                | *    | 5783                 | 107.82              | -                       | -                           | 99.6                      | 32.39                         | 9.49                    | 33.66                      | 329                  | 115                     | P                       | H               |
|                                                | *    | 5783                 | 100.7               | -                       | -                           | 92.48                     | 32.39                         | 9.49                    | 33.66                      | 329                  | 115                     | A                       | H               |
|                                                |      | 5852.64              | 50.78               | -27.52                  | 78.3                        | 42.44                     | 32.48                         | 9.54                    | 33.68                      | 329                  | 115                     | P                       | H               |
|                                                |      | 5862.64              | 51.99               | -22.01                  | 74                          | 43.63                     | 32.51                         | 9.54                    | 33.69                      | 329                  | 115                     | P                       | H               |
|                                                |      | 5861.52              | 43.24               | -10.76                  | 54                          | 34.88                     | 32.51                         | 9.54                    | 33.69                      | 329                  | 115                     | A                       | H               |
|                                                |      | 5714.76              | 55.98               | -18.02                  | 74                          | 47.94                     | 32.29                         | 9.39                    | 33.64                      | 100                  | 267                     | P                       | V               |
|                                                |      | 5723.08              | 60.31               | -17.99                  | 78.3                        | 52.2                      | 32.31                         | 9.44                    | 33.64                      | 100                  | 267                     | P                       | V               |
|                                                |      | 5714.44              | 48.17               | -5.83                   | 54                          | 40.13                     | 32.29                         | 9.39                    | 33.64                      | 100                  | 267                     | A                       | V               |
|                                                | *    | 5787                 | 111.65              | -                       | -                           | 103.41                    | 32.41                         | 9.49                    | 33.66                      | 100                  | 267                     | P                       | V               |
|                                                | *    | 5787                 | 105.54              | -                       | -                           | 97.3                      | 32.41                         | 9.49                    | 33.66                      | 100                  | 267                     | A                       | V               |
|                                                |      | 5856.8               | 58.59               | -19.71                  | 78.3                        | 50.22                     | 32.51                         | 9.54                    | 33.68                      | 100                  | 267                     | P                       | V               |
|                                                |      | 5860.16              | 56.35               | -17.65                  | 74                          | 47.99                     | 32.51                         | 9.54                    | 33.69                      | 100                  | 267                     | P                       | V               |
|                                                |      | 5860.24              | 47.71               | -6.29                   | 54                          | 39.35                     | 32.51                         | 9.54                    | 33.69                      | 100                  | 267                     | A                       | V               |



| WIFI<br>Ant.<br>1+2                            | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT20<br/>CH 165<br/>5825MHz</b> | *                                                                                           | 5823                 | 102.45              | -                       | -                           | 94.14                     | 32.46                         | 9.52                    | 33.67                      | 108                  | 196                     | P                       | H               |
|                                                | *                                                                                           | 5823                 | 94.88               | -                       | -                           | 86.57                     | 32.46                         | 9.52                    | 33.67                      | 108                  | 196                     | A                       | H               |
|                                                |                                                                                             | 5851.04              | 60.42               | -17.88                  | 78.3                        | 52.08                     | 32.48                         | 9.54                    | 33.68                      | 108                  | 196                     | P                       | H               |
|                                                |                                                                                             | 5860.4               | 55.12               | -18.88                  | 74                          | 46.76                     | 32.51                         | 9.54                    | 33.69                      | 108                  | 196                     | P                       | H               |
|                                                |                                                                                             | 5862.24              | 45.12               | -8.88                   | 54                          | 36.76                     | 32.51                         | 9.54                    | 33.69                      | 108                  | 196                     | A                       | H               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                                | *                                                                                           | 5823                 | 110.86              | -                       | -                           | 102.55                    | 32.46                         | 9.52                    | 33.67                      | 100                  | 267                     | P                       | V               |
|                                                | *                                                                                           | 5823                 | 103.61              | -                       | -                           | 95.3                      | 32.46                         | 9.52                    | 33.67                      | 100                  | 267                     | A                       | V               |
|                                                |                                                                                             | 5854.72              | 67.04               | -11.26                  | 78.3                        | 58.67                     | 32.51                         | 9.54                    | 33.68                      | 100                  | 267                     | P                       | V               |
|                                                |                                                                                             | 5860.88              | 60.88               | -13.12                  | 74                          | 52.52                     | 32.51                         | 9.54                    | 33.69                      | 100                  | 267                     | P                       | V               |
|                                                |                                                                                             | 5860.24              | 52.93               | -1.07                   | 54                          | 44.57                     | 32.51                         | 9.54                    | 33.69                      | 100                  | 267                     | A                       | V               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



**Band 4 5725~5850MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 149<br>5745MHz |                                                                                             | 11490                | 47.06               | -26.94                  | 74                          | 27.81                     | 40.01                         | 34.71                   | 13.95                      | 150                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17235                | 49.51               | -24.49                  | 74                          | 27.13                     | 41.41                         | 35.98                   | 16.95                      | 150                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11490                | 46.01               | -27.99                  | 74                          | 26.76                     | 40.01                         | 34.71                   | 13.95                      | 150                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17235                | 50.65               | -23.35                  | 74                          | 28.27                     | 41.41                         | 35.98                   | 16.95                      | 150                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 157<br>5785MHz |                                                                                             | 11570                | 44.25               | -29.75                  | 74                          | 25.13                     | 39.89                         | 14                      | 34.77                      | 150                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17355                | 48.62               | -25.38                  | 74                          | 25.9                      | 41.67                         | 17.03                   | 35.98                      | 150                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11570                | 44.85               | -29.15                  | 74                          | 25.73                     | 39.89                         | 14                      | 34.77                      | 150                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17355                | 49.52               | -24.48                  | 74                          | 26.8                      | 41.67                         | 17.03                   | 35.98                      | 150                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 165<br>5825MHz |                                                                                             | 11650                | 46.38               | -27.62                  | 74                          | 27.36                     | 39.78                         | 14.05                   | 34.81                      | 150                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17475                | 50.72               | -23.28                  | 74                          | 27.68                     | 41.93                         | 17.1                    | 35.99                      | 150                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11650                | 46.44               | -27.56                  | 74                          | 27.42                     | 39.78                         | 14.05                   | 34.81                      | 150                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17475                | 50.79               | -23.21                  | 74                          | 27.75                     | 41.93                         | 17.1                    | 35.99                      | 150                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 151<br>5755MHz |      | 5708.2               | 54.9                | -19.1                   | 74                          | 46.86                     | 32.29                         | 9.39                    | 33.64                      | 331                  | 116                     | P                       | H               |
|                                      |      | 5717.16              | 61.64               | -16.66                  | 78.3                        | 53.6                      | 32.29                         | 9.39                    | 33.64                      | 331                  | 116                     | P                       | H               |
|                                      |      | 5714.92              | 45.97               | -8.03                   | 54                          | 37.93                     | 32.29                         | 9.39                    | 33.64                      | 331                  | 116                     | A                       | H               |
|                                      | *    | 5757                 | 96.8                | -                       | -                           | 88.65                     | 32.36                         | 9.44                    | 33.65                      | 331                  | 116                     | P                       | H               |
|                                      | *    | 5757                 | 89.7                | -                       | -                           | 81.55                     | 32.36                         | 9.44                    | 33.65                      | 331                  | 116                     | A                       | H               |
|                                      |      | 5859.44              | 49.09               | -29.21                  | 78.3                        | 40.73                     | 32.51                         | 9.54                    | 33.69                      | 331                  | 116                     | P                       | H               |
|                                      |      | 5886.24              | 49.61               | -24.39                  | 74                          | 41.21                     | 32.53                         | 9.57                    | 33.7                       | 331                  | 116                     | P                       | H               |
|                                      |      | 5861.44              | 41.78               | -12.22                  | 54                          | 33.42                     | 32.51                         | 9.54                    | 33.69                      | 331                  | 116                     | A                       | H               |
|                                      |      | 5714.92              | 60.02               | -13.98                  | 74                          | 51.98                     | 32.29                         | 9.39                    | 33.64                      | 111                  | 265                     | P                       | V               |
|                                      |      | 5723.72              | 64.87               | -13.43                  | 78.3                        | 56.76                     | 32.31                         | 9.44                    | 33.64                      | 111                  | 265                     | P                       | V               |
|                                      |      | 5715                 | 51.09               | -2.91                   | 54                          | 43.05                     | 32.29                         | 9.39                    | 33.64                      | 111                  | 265                     | A                       | V               |
|                                      | *    | 5757                 | 103                 | -                       | -                           | 94.85                     | 32.36                         | 9.44                    | 33.65                      | 111                  | 265                     | P                       | V               |
|                                      | *    | 5757                 | 96.45               | -                       | -                           | 88.3                      | 32.36                         | 9.44                    | 33.65                      | 111                  | 265                     | A                       | V               |
|                                      |      | 5852.32              | 53.65               | -24.65                  | 78.3                        | 45.31                     | 32.48                         | 9.54                    | 33.68                      | 111                  | 265                     | P                       | V               |
|                                      |      | 5868.8               | 52.98               | -21.02                  | 74                          | 44.62                     | 32.51                         | 9.54                    | 33.69                      | 111                  | 265                     | P                       | V               |
|                                      |      | 5860.8               | 45.34               | -8.66                   | 54                          | 36.98                     | 32.51                         | 9.54                    | 33.69                      | 111                  | 265                     | A                       | V               |



| WIFI<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                                                             | 5714.44              | 55.85               | -18.15                  | 74                          | 47.81                     | 32.29                         | 9.39                    | 33.64                      | 328                  | 115                     | P                       | H               |
|                                      |                                                                                             | 5723.72              | 59.53               | -18.77                  | 78.3                        | 51.42                     | 32.31                         | 9.44                    | 33.64                      | 328                  | 115                     | P                       | H               |
|                                      |                                                                                             | 5713.72              | 46.38               | -7.62                   | 54                          | 38.34                     | 32.29                         | 9.39                    | 33.64                      | 328                  | 115                     | A                       | H               |
|                                      | *                                                                                           | 5793                 | 104.41              | -                       | -                           | 96.17                     | 32.41                         | 9.49                    | 33.66                      | 328                  | 115                     | P                       | H               |
|                                      | *                                                                                           | 5793                 | 96.28               | -                       | -                           | 88.04                     | 32.41                         | 9.49                    | 33.66                      | 328                  | 115                     | A                       | H               |
|                                      |                                                                                             | 5850.56              | 59.38               | -18.92                  | 78.3                        | 51.04                     | 32.48                         | 9.54                    | 33.68                      | 328                  | 115                     | P                       | H               |
|                                      |                                                                                             | 5861.76              | 58.44               | -15.56                  | 74                          | 50.08                     | 32.51                         | 9.54                    | 33.69                      | 328                  | 115                     | P                       | H               |
|                                      |                                                                                             | 5864.64              | 48.37               | -5.63                   | 54                          | 40.01                     | 32.51                         | 9.54                    | 33.69                      | 328                  | 115                     | A                       | H               |
|                                      |                                                                                             | 5714.2               | 58                  | -16                     | 74                          | 49.96                     | 32.29                         | 9.39                    | 33.64                      | 100                  | 266                     | P                       | V               |
|                                      |                                                                                             | 5721.64              | 58.76               | -19.54                  | 78.3                        | 50.65                     | 32.31                         | 9.44                    | 33.64                      | 100                  | 266                     | P                       | V               |
|                                      |                                                                                             | 5712.12              | 50.32               | -3.68                   | 54                          | 42.28                     | 32.29                         | 9.39                    | 33.64                      | 100                  | 266                     | A                       | V               |
|                                      | *                                                                                           | 5793                 | 107.35              | -                       | -                           | 99.11                     | 32.41                         | 9.49                    | 33.66                      | 100                  | 266                     | P                       | V               |
|                                      | *                                                                                           | 5793                 | 100.31              | -                       | -                           | 92.07                     | 32.41                         | 9.49                    | 33.66                      | 100                  | 266                     | A                       | V               |
|                                      |                                                                                             | 5854.96              | 63.08               | -15.22                  | 78.3                        | 54.71                     | 32.51                         | 9.54                    | 33.68                      | 100                  | 266                     | P                       | V               |
|                                      |                                                                                             | 5871.92              | 63.32               | -10.68                  | 74                          | 54.94                     | 32.53                         | 9.54                    | 33.69                      | 100                  | 266                     | P                       | V               |
|                                      |                                                                                             | 5861.52              | 53.12               | -0.88                   | 54                          | 44.76                     | 32.51                         | 9.54                    | 33.69                      | 100                  | 266                     | A                       | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



**Band 4 5725~5850MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 151<br>5755MHz |                                                                                             | 11510                | 45.51               | -28.49                  | 74                          | 26.29                     | 40                            | 13.95                   | 34.73                      | 150                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17265                | 49.1                | -24.9                   | 74                          | 26.64                     | 41.49                         | 16.95                   | 35.98                      | 150                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11510                | 45.94               | -28.06                  | 74                          | 26.72                     | 40                            | 13.95                   | 34.73                      | 150                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17265                | 49.07               | -24.93                  | 74                          | 26.61                     | 41.49                         | 16.95                   | 35.98                      | 150                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                                                             | 11590                | 46.72               | -27.28                  | 74                          | 27.63                     | 39.86                         | 14                      | 34.77                      | 150                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17385                | 50.01               | -23.99                  | 74                          | 27.23                     | 41.74                         | 17.03                   | 35.99                      | 150                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11590                | 47.42               | -26.58                  | 74                          | 28.33                     | 39.86                         | 14                      | 34.77                      | 150                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17385                | 50.72               | -23.28                  | 74                          | 27.94                     | 41.74                         | 17.03                   | 35.99                      | 150                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |

## Emission below 1GHz

**5GHz 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+2                           |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 5GHz<br>802.11n<br>HT20<br>LF |                                                                            | 49.98     | 21.8       | -18.2  | 40         | 44.85  | 7.71     | 1.04   | 31.8   | 165    | 158     | P     | H     |
|                               |                                                                            | 113.97    | 15.83      | -27.67 | 43.5       | 35.03  | 11.3     | 1.28   | 31.78  |        |         | P     | H     |
|                               |                                                                            | 273       | 14.84      | -31.16 | 46         | 32.27  | 12.4     | 1.94   | 31.77  |        |         | P     | H     |
|                               |                                                                            | 552       | 19.95      | -26.05 | 46         | 30.49  | 18.66    | 2.77   | 31.97  |        |         | P     | H     |
|                               |                                                                            | 776       | 21.62      | -24.38 | 46         | 30.52  | 19.7     | 3.35   | 31.95  |        |         | P     | H     |
|                               |                                                                            | 984.6     | 23.25      | -30.75 | 54         | 29.84  | 20.39    | 3.78   | 30.76  |        |         | P     | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            | 53.22     | 18.56      | -21.44 | 40         | 42.75  | 6.57     | 1.04   | 31.8   | 172    | 194     | P     | V     |
|                               |                                                                            | 123.15    | 15.57      | -27.93 | 43.5       | 34.61  | 11.46    | 1.28   | 31.78  |        |         | P     | V     |
|                               |                                                                            | 247.89    | 13.14      | -32.86 | 46         | 31.22  | 11.75    | 1.94   | 31.77  |        |         | P     | V     |
|                               |                                                                            | 400.1     | 18.27      | -27.73 | 46         | 32.04  | 15.71    | 2.32   | 31.8   |        |         | P     | V     |
|                               |                                                                            | 630.4     | 20.38      | -25.62 | 46         | 30.46  | 19       | 2.96   | 32.04  |        |         | P     | V     |
|                               |                                                                            | 939.1     | 22.52      | -23.48 | 46         | 29.49  | 20.47    | 3.68   | 31.12  |        |         | P     | V     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
| Remark                        | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



**Note symbol**

|     |                                                                                                                                                                        |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *   | <b>Fundamental Frequency</b> 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 <b>over limit</b> line.                                                                                                                                 |
| P/A | <b>Peak</b> or <b>Average</b>                                                                                                                                          |
| H/V | <b>Horizontal</b> or <b>Vertical</b>                                                                                                                                   |



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       |

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. 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)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

**For Average Limit @ 2390MHz:**

1. 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)

2. 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”.**