

Report Number : FR672014-01C

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|----------------|-----------------------|--------------------|-------|----|
| Test Engineer: | Bill Kuo | Temperature: | 21~25 | °C |
| Test Date: | 2016/07/05~2016/07/28 | Relative Humidity: | 51~54 | % |

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

| 2.4GHz Band | | | | | | | | | | |
|-------------|-----------|-----|-----|-------------|-----------------------|-------|--------------|-------|--------------------|-----------|
| Mod. | Data Rate | NTx | CH. | Freq. (MHz) | 99% Occupied BW (MHz) | | 6dB BW (MHz) | | 6dB BW Limit (MHz) | Pass/Fail |
| | | | | | Ant 1 | Ant 2 | Ant 1 | Ant 2 | | |
| HT20 | MCS0 | 2 | 1 | 2412 | 19.15 | 19.05 | 16.32 | 15.68 | 0.50 | Pass |
| HT20 | MCS0 | 2 | 6 | 2437 | 19.15 | 19.20 | 17.60 | 16.08 | 0.50 | Pass |
| HT20 | MCS0 | 2 | 11 | 2462 | 19.10 | 18.95 | 16.36 | 17.60 | 0.50 | Pass |
| HT40 | MCS0 | 2 | 3 | 2422 | 36.30 | 36.50 | 32.64 | 30.08 | 0.50 | Pass |
| HT40 | MCS0 | 2 | 6 | 2437 | 36.90 | 36.60 | 35.04 | 31.36 | 0.50 | Pass |
| HT40 | MCS0 | 2 | 9 | 2452 | 36.30 | 36.30 | 26.32 | 30.08 | 0.50 | Pass |
| VHT20 | MCS0 | 2 | 1 | 2412 | 19.15 | 18.65 | 17.64 | 17.56 | 0.50 | Pass |
| VHT20 | MCS0 | 2 | 6 | 2437 | 19.00 | 18.80 | 17.66 | 17.60 | 0.50 | Pass |
| VHT20 | MCS0 | 2 | 11 | 2462 | 18.55 | 18.50 | 17.32 | 17.20 | 0.50 | Pass |
| VHT40 | MCS0 | 2 | 3 | 2422 | 36.30 | 36.40 | 33.84 | 32.56 | 0.50 | Pass |
| VHT40 | MCS0 | 2 | 6 | 2437 | 36.90 | 36.50 | 35.44 | 33.84 | 0.50 | Pass |
| VHT40 | MCS0 | 2 | 9 | 2452 | 36.30 | 36.30 | 28.84 | 26.32 | 0.50 | Pass |

TEST RESULTS DATA
Average Output Power

| 2.4GHz Band | | | | | | | | | | | | | | | | |
|-------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------------|-------|------------------------|-------|------------|
| Mod. | Data Rate | Ntx | CH. | Freq. (MHz) | Average Conducted Power (dBm) | | | Conducted Power Limit (dBm) | | DG (dBi) | | EIRP Power (dBm) | | EIRP Power Limit (dBm) | | Pass /Fail |
| | | | | | Ant 1 | Ant 2 | SUM | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | |
| HT20 | MCS0 | 2 | 1 | 2412 | 15.10 | 15.10 | 18.11 | 30.00 | | 5.16 | | 23.27 | | 36.00 | | Pass |
| HT20 | MCS0 | 2 | 2 | 2417 | 17.50 | 17.70 | 20.61 | 30.00 | | 5.16 | | 25.77 | | 36.00 | | Pass |
| HT20 | MCS0 | 2 | 6 | 2437 | 17.60 | 17.60 | 20.61 | 30.00 | | 5.16 | | 25.77 | | 36.00 | | Pass |
| HT20 | MCS0 | 2 | 10 | 2457 | 17.60 | 17.50 | 20.56 | 30.00 | | 5.16 | | 25.77 | | 36.00 | | Pass |
| HT20 | MCS0 | 2 | 11 | 2462 | 16.10 | 16.00 | 19.06 | 30.00 | | 5.16 | | 24.22 | | 36.00 | | Pass |
| HT40 | MCS0 | 2 | 3 | 2422 | 15.60 | 15.80 | 18.71 | 30.00 | | 5.16 | | 23.87 | | 36.00 | | Pass |
| HT40 | MCS0 | 2 | 4 | 2427 | 16.90 | 16.80 | 19.86 | 30.00 | | 5.16 | | 24.22 | | 36.00 | | Pass |
| HT40 | MCS0 | 2 | 6 | 2437 | 17.60 | 17.30 | 20.46 | 30.00 | | 5.16 | | 25.63 | | 36.00 | | Pass |
| HT40 | MCS0 | 2 | 8 | 2447 | 14.30 | 14.50 | 17.41 | 30.00 | | 5.16 | | 25.02 | | 36.00 | | Pass |
| HT40 | MCS0 | 2 | 9 | 2452 | 15.00 | 15.70 | 18.37 | 30.00 | | 5.16 | | 23.54 | | 36.00 | | Pass |
| VHT20 | MCS0 | 2 | 1 | 2412 | 15.30 | 15.20 | 18.26 | 30.00 | | 5.16 | | 23.42 | | 36.00 | | Pass |
| VHT20 | MCS0 | 2 | 2 | 2417 | 17.60 | 17.90 | 20.76 | 30.00 | | 5.16 | | 23.54 | | 36.00 | | Pass |
| VHT20 | MCS0 | 2 | 6 | 2437 | 17.90 | 17.70 | 20.81 | 30.00 | | 5.16 | | 25.97 | | 36.00 | | Pass |
| VHT20 | MCS0 | 2 | 10 | 2457 | 17.80 | 17.60 | 20.71 | 30.00 | | 5.16 | | 25.92 | | 36.00 | | Pass |
| VHT20 | MCS0 | 2 | 11 | 2462 | 16.30 | 16.00 | 19.16 | 30.00 | | 5.16 | | 24.33 | | 36.00 | | Pass |
| VHT40 | MCS0 | 2 | 3 | 2422 | 15.80 | 15.70 | 18.76 | 30.00 | | 5.16 | | 23.92 | | 36.00 | | Pass |
| VHT40 | MCS0 | 2 | 4 | 2427 | 16.80 | 17.00 | 19.91 | 30.00 | | 5.16 | | 24.33 | | 36.00 | | Pass |
| VHT40 | MCS0 | 2 | 6 | 2437 | 17.70 | 17.30 | 20.51 | 30.00 | | 5.16 | | 25.68 | | 36.00 | | Pass |
| VHT40 | MCS0 | 2 | 8 | 2447 | 14.30 | 14.60 | 17.46 | 30.00 | | 5.16 | | 25.07 | | 36.00 | | Pass |
| VHT40 | MCS0 | 2 | 9 | 2452 | 15.20 | 15.80 | 18.52 | 30.00 | | 5.16 | | 23.68 | | 36.00 | | Pass |

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA
Average Power Spectral Density

| 2.4GHz Band | | | | | | | | | | | | |
|-------------|-----------|-----|-----|-------------|------------------------|-------|--------------|----------|-------|------------------------------|-------|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Average PSD (dBm/3kHz) | | | DG (dBi) | | Average PSD Limit (dBm/3kHz) | | Pass/Fail |
| | | | | | Ant 1 | Ant 2 | Worse + 3.01 | Ant 1 | Ant 2 | Ant 1 | Ant 2 | |
| HT20 | MCS0 | 2 | 1 | 2412 | -4.64 | -4.71 | -1.63 | 5.16 | | 8.00 | | Pass |
| HT20 | MCS0 | 2 | 6 | 2437 | -2.85 | -3.18 | 0.16 | 5.16 | | 8.00 | | Pass |
| HT20 | MCS0 | 2 | 11 | 2462 | -4.31 | -3.63 | -0.62 | 5.16 | | 8.00 | | Pass |
| HT40 | MCS0 | 2 | 3 | 2422 | -5.06 | -4.05 | -1.04 | 5.16 | | 8.00 | | Pass |
| HT40 | MCS0 | 2 | 6 | 2437 | -2.88 | -2.38 | 0.63 | 5.16 | | 8.00 | | Pass |
| HT40 | MCS0 | 2 | 9 | 2452 | -5.40 | -3.72 | -0.71 | 5.16 | | 8.00 | | Pass |
| VHT20 | MCS0 | 2 | 1 | 2412 | -6.06 | -4.02 | -1.01 | 5.16 | | 8.00 | | Pass |
| VHT20 | MCS0 | 2 | 6 | 2437 | -0.37 | -0.81 | 2.64 | 5.16 | | 8.00 | | Pass |
| VHT20 | MCS0 | 2 | 11 | 2462 | -4.67 | -3.59 | -0.58 | 5.16 | | 8.00 | | Pass |
| VHT40 | MCS0 | 2 | 3 | 2422 | -4.11 | -4.15 | -1.10 | 5.16 | | 8.00 | | Pass |
| VHT40 | MCS0 | 2 | 6 | 2437 | -2.20 | -1.02 | 1.99 | 5.16 | | 8.00 | | Pass |
| VHT40 | MCS0 | 2 | 9 | 2452 | -4.88 | -0.33 | 2.68 | 5.16 | | 8.00 | | Pass |

Measured power density (dBm) has offset with cable loss.