

| | | | | |
|----------------|-------------------------|--------------------|---------|----|
| Test Engineer: | Bill Kuo | Temperature: | 23 ~ 24 | °C |
| Test Date: | 2015/08/05 ~ 2015/09/18 | Relative Humidity: | 52 ~ 53 | % |

TEST RESULTS DATA
26dB and 99% OBW

| Band I | | | | | | | | | | |
|--------|-----------|-----|-----|-------------|---------------------|-----------------------|------------------------------------|-----------------------------------|--|--|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) | 26 dB Bandwidth (MHz) | IC 99% Bandwidth Power Limit (dBm) | IC 99% Bandwidth EIRP Limit (dBm) | | |
| 11a | 6Mbps | 1 | 36 | 5180 | 18.10 | 23.80 | - | 22.58 | | |
| 11a | 6Mbps | 1 | 44 | 5220 | 18.15 | 23.65 | - | 22.59 | | |
| 11a | 6Mbps | 1 | 48 | 5240 | 18.15 | 23.45 | - | 22.59 | | |
| HT20 | MCS0 | 1 | 36 | 5180 | 18.95 | 23.95 | - | 22.78 | | |
| HT20 | MCS0 | 1 | 44 | 5220 | 18.85 | 24.05 | - | 22.75 | | |
| HT20 | MCS0 | 1 | 48 | 5240 | 18.90 | 24.10 | - | 22.76 | | |
| HT40 | MCS0 | 1 | 38 | 5190 | 36.50 | 44.64 | - | 23.01 | | |
| HT40 | MCS0 | 1 | 46 | 5230 | 36.60 | 44.91 | - | 23.01 | | |

TEST RESULTS DATA
Average Power Table

| FCC Band I | | | | | | | | | | |
|------------|-----------|-----|-----|-------------|------------------|-------------------------------|---------------------------------|----------|--|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) | Average Conducted Power (dBm) | FCC Conducted Power Limit (dBm) | DG (dBi) | | Pass/Fail |
| 11a | 6Mbps | 1 | 36 | 5180 | 0.05 | 16.18 | 24.00 | 4.05 | | Pass |
| 11a | 6Mbps | 1 | 44 | 5220 | 0.05 | 16.14 | 24.00 | 4.05 | | Pass |
| 11a | 6Mbps | 1 | 48 | 5240 | 0.05 | 16.06 | 24.00 | 4.05 | | Pass |
| HT20 | MCS0 | 1 | 36 | 5180 | 0.06 | 16.67 | 24.00 | 4.05 | | Pass |
| HT20 | MCS0 | 1 | 44 | 5220 | 0.06 | 16.15 | 24.00 | 4.05 | | Pass |
| HT20 | MCS0 | 1 | 48 | 5240 | 0.06 | 16.31 | 24.00 | 4.05 | | Pass |
| HT40 | MCS0 | 1 | 38 | 5190 | 0.05 | 14.80 | 24.00 | 4.05 | | Pass |
| HT40 | MCS0 | 1 | 46 | 5230 | 0.05 | 14.61 | 24.00 | 4.05 | | Pass |

TEST RESULTS DATA
Power Spectral Density

| FCC Band I | | | | | | | | | | |
|------------|-----------|-----|-----|-------------|------------------|---------------------------------|-----------------------------|----------|---|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) | Average Power Density (dBm/MHz) | Average PSD Limit (dBm/MHz) | DG (dBi) | - | Pass/Fail |
| 11a | 6Mbps | 1 | 36 | 5180 | 0.05 | 5.05 | 11.00 | 4.05 | | Pass |
| 11a | 6Mbps | 1 | 44 | 5220 | 0.05 | 5.38 | 11.00 | 4.05 | | Pass |
| 11a | 6Mbps | 1 | 48 | 5240 | 0.05 | 5.21 | 11.00 | 4.05 | | Pass |
| HT20 | MCS0 | 1 | 36 | 5180 | 0.06 | 5.48 | 11.00 | 4.05 | | Pass |
| HT20 | MCS0 | 1 | 44 | 5220 | 0.06 | 5.10 | 11.00 | 4.05 | | Pass |
| HT20 | MCS0 | 1 | 48 | 5240 | 0.06 | 5.13 | 11.00 | 4.05 | | Pass |
| HT40 | MCS0 | 1 | 38 | 5190 | 0.05 | 0.25 | 11.00 | 4.05 | | Pass |
| HT40 | MCS0 | 1 | 46 | 5230 | 0.05 | 0.22 | 11.00 | 4.05 | | Pass |

TEST RESULTS DATA
26dB and 99% OBW

| Band II | | | | | | | | | | |
|---------|-----------|-----|-----|-------------|---------------------|-----------------------|------------------------------------|-----------------------------------|--------------------------------------|------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) | 26 dB Bandwidth (MHz) | IC 99% Bandwidth Power Limit (dBm) | IC 99% Bandwidth EIRP Limit (dBm) | FCC 26dB Bandwidth Power Limit (dBm) | Note |
| 11a | 6M bps | 1 | 52 | 5260 | 18.35 | 23.85 | 23.64 | 29.64 | 23.98 | |
| 11a | 6M bps | 1 | 60 | 5300 | 17.9 | 23.65 | 23.53 | 29.53 | 23.98 | |
| 11a | 6M bps | 1 | 64 | 5320 | 18.05 | 23.8 | 23.56 | 29.56 | 23.98 | |
| HT20 | MCS 0 | 1 | 52 | 5260 | 18.95 | 23.9 | 23.78 | 29.78 | 23.98 | |
| HT20 | MCS 0 | 1 | 60 | 5300 | 18.9 | 24.05 | 23.76 | 29.76 | 23.98 | |
| HT20 | MCS 0 | 1 | 64 | 5320 | 18.85 | 23.95 | 23.75 | 29.75 | 23.98 | |
| HT40 | MCS 0 | 1 | 54 | 5270 | 36.5 | 44.73 | 23.98 | 30.00 | 23.98 | |
| HT40 | MCS 0 | 1 | 62 | 5310 | 36.4 | 45.09 | 23.98 | 30.00 | 23.98 | |

TEST RESULTS DATA
Average Power Table

| FCC Band II | | | | | | | | | | |
|-------------|-----------|-----|-----|-------------|------------------|-------------------------------|---------------------------------|----------|--|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) | Average Conducted Power (dBm) | FCC Conducted Power Limit (dBm) | DG (dBi) | | Pass/Fail |
| 11a | 6M bps | 1 | 52 | 5260 | 0.05 | 19.70 | 23.98 | 5.09 | | Pass |
| 11a | 6M bps | 1 | 60 | 5300 | 0.05 | 17.52 | 23.98 | 5.09 | | Pass |
| 11a | 6M bps | 1 | 64 | 5320 | 0.05 | 17.13 | 23.98 | 5.09 | | Pass |
| HT20 | MCS 0 | 1 | 52 | 5260 | 0.06 | 18.98 | 23.98 | 5.09 | | Pass |
| HT20 | MCS 0 | 1 | 60 | 5300 | 0.06 | 16.59 | 23.98 | 5.09 | | Pass |
| HT20 | MCS 0 | 1 | 64 | 5320 | 0.06 | 16.31 | 23.98 | 5.09 | | Pass |
| HT40 | MCS 0 | 1 | 54 | 5270 | 0.05 | 14.52 | 23.98 | 5.09 | | Pass |
| HT40 | MCS 0 | 1 | 62 | 5310 | 0.05 | 14.57 | 23.98 | 5.09 | | Pass |

TEST RESULTS DATA
Power Spectral Density

| Band II | | | | | | | | | | |
|---------|-----------|-----|-----|-------------|------------------|---------------------------------|-----------------------------|----------|--|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) | Average Power Density (dBm/MHz) | Average PSD Limit (dBm/MHz) | DG (dBi) | | Pass/Fail |
| 11a | 6M bps | 1 | 52 | 5260 | 0.05 | 8.40 | 11.00 | 5.09 | | Pass |
| 11a | 6M bps | 1 | 60 | 5300 | 0.05 | 3.76 | 11.00 | 5.09 | | Pass |
| 11a | 6M bps | 1 | 64 | 5320 | 0.05 | 5.83 | 11.00 | 5.09 | | Pass |
| HT20 | MCS 0 | 1 | 52 | 5260 | 0.06 | 7.27 | 11.00 | 5.09 | | Pass |
| HT20 | MCS 0 | 1 | 60 | 5300 | 0.06 | 2.64 | 11.00 | 5.09 | | Pass |
| HT20 | MCS 0 | 1 | 64 | 5320 | 0.06 | 4.40 | 11.00 | 5.09 | | Pass |
| HT40 | MCS 0 | 1 | 54 | 5270 | 0.05 | 0.11 | 11.00 | 5.09 | | Pass |
| HT40 | MCS 0 | 1 | 62 | 5310 | 0.05 | 0.11 | 11.00 | 5.09 | | Pass |

TEST RESULTS DATA
26dB and 99% OBW

| Band III | | | | | | | | | | |
|----------|-----------|-----|-----|-------------|---------------------|-----------------------|------------------------------------|-----------------------------------|--------------------------------------|------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) | 26 dB Bandwidth (MHz) | IC 99% Bandwidth Power Limit (dBm) | IC 99% Bandwidth EIRP Limit (dBm) | FCC 26dB Bandwidth Power Limit (dBm) | Note |
| 11a | 6M bps | 1 | 100 | 5500 | 18 | 23.55 | 23.55 | 29.55 | 23.98 | |
| 11a | 6M bps | 1 | 116 | 5580 | 18.2 | 24.1 | 23.60 | 29.60 | 23.98 | |
| 11a | 6M bps | 1 | 140 | 5700 | 18.05 | 23.55 | 23.56 | 29.56 | 23.98 | |
| HT20 | MCS 0 | 1 | 100 | 5500 | 18.95 | 23.95 | 23.78 | 29.78 | 23.98 | |
| HT20 | MCS 0 | 1 | 116 | 5580 | 18.9 | 23.95 | 23.76 | 29.76 | 23.98 | |
| HT20 | MCS 0 | 1 | 140 | 5700 | 19.05 | 23.9 | 23.80 | 29.80 | 23.98 | |
| HT40 | MCS 0 | 1 | 102 | 5510 | 36.6 | 44.91 | 23.98 | 30.00 | 23.98 | |
| HT40 | MCS 0 | 1 | 110 | 5550 | 36.5 | 44.64 | 23.98 | 30.00 | 23.98 | |
| HT40 | MCS 0 | 1 | 134 | 5670 | 36.5 | 45.18 | 23.98 | 30.00 | 23.98 | |

TEST RESULTS DATA
Average Power Table

| FCC Band III | | | | | | | | | | |
|--------------|-----------|-----|-----|-------------|------------------|-------------------------------|---------------------------------|----------|--|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) | Average Conducted Power (dBm) | FCC Conducted Power Limit (dBm) | DG (dBi) | | Pass/Fail |
| 11a | 6M bps | 1 | 100 | 5500 | 0.05 | 15.17 | 23.98 | 5.57 | | Pass |
| 11a | 6M bps | 1 | 116 | 5580 | 0.05 | 19.58 | 23.98 | 5.57 | | Pass |
| 11a | 6M bps | 1 | 140 | 5700 | 0.05 | 16.26 | 23.98 | 5.57 | | Pass |
| HT20 | MCS 0 | 1 | 100 | 5500 | 0.06 | 15.28 | 23.98 | 5.57 | | Pass |
| HT20 | MCS 0 | 1 | 116 | 5580 | 0.06 | 18.77 | 23.98 | 5.57 | | Pass |
| HT20 | MCS 0 | 1 | 140 | 5700 | 0.06 | 16.31 | 23.98 | 5.57 | | Pass |
| HT40 | MCS 0 | 1 | 102 | 5510 | 0.05 | 12.67 | 23.98 | 5.57 | | Pass |
| HT40 | MCS 0 | 1 | 110 | 5550 | 0.05 | 14.76 | 23.98 | 5.57 | | Pass |
| HT40 | MCS 0 | 1 | 134 | 5670 | 0.05 | 14.69 | 23.98 | 5.57 | | Pass |

TEST RESULTS DATA
Power Spectral Density

| Band III | | | | | | | | | | |
|----------|-----------|-----|-----|-------------|------------------|---------------------------------|-----------------------------|----------|--|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) | Average Power Density (dBm/MHz) | Average PSD Limit (dBm/MHz) | DG (dBi) | | Pass/Fail |
| 11a | 6M bps | 1 | 100 | 5500 | 0.05 | 3.91 | 11.00 | 5.57 | | Pass |
| 11a | 6M bps | 1 | 116 | 5580 | 0.05 | 8.26 | 11.00 | 5.57 | | Pass |
| 11a | 6M bps | 1 | 140 | 5700 | 0.05 | 4.72 | 11.00 | 5.57 | | Pass |
| HT20 | MCS 0 | 1 | 100 | 5500 | 0.06 | 3.44 | 11.00 | 5.57 | | Pass |
| HT20 | MCS 0 | 1 | 116 | 5580 | 0.06 | 7.17 | 11.00 | 5.57 | | Pass |
| HT20 | MCS 0 | 1 | 140 | 5700 | 0.06 | 4.56 | 11.00 | 5.57 | | Pass |
| HT40 | MCS 0 | 1 | 102 | 5510 | 0.05 | -1.77 | 11.00 | 5.57 | | Pass |
| HT40 | MCS 0 | 1 | 110 | 5550 | 0.05 | 0.47 | 11.00 | 5.57 | | Pass |
| HT40 | MCS 0 | 1 | 134 | 5670 | 0.05 | 0.01 | 11.00 | 5.57 | | Pass |

TEST RESULTS DATA
Frequency Stability

| Band I | | | | | | | | | | |
|--------|-----------|-----|-----|-------------|------------------------|---------------------------|---------------------------|------------------|-------------|------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Center Frequency (MHz) | Frequency Deviation (MHz) | Frequency Stability (ppm) | Temperature (°C) | Voltage (V) | Note |
| 11a | 6Mbps | 1 | 36 | 5180 | 5179.950 | -0.050 | -9.65 | 20 | 3.3 | |
| 11a | 6Mbps | 1 | 36 | 5180 | 5179.950 | -0.050 | -9.65 | 20 | 4.2 | |
| 11a | 6Mbps | 1 | 36 | 5180 | 5180.000 | 0.000 | 0.00 | 20 | 3.7 | |
| 11a | 6Mbps | 1 | 36 | 5180 | 5180.000 | 0.000 | 0.00 | -30 | 3.7 | |
| 11a | 6Mbps | 1 | 36 | 5180 | 5179.950 | -0.050 | -9.65 | 50 | 3.7 | |

| Band II | | | | | | | | | | |
|---------|-----------|-----|-----|-------------|------------------------|---------------------------|---------------------------|------------------|-------------|------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Center Frequency (MHz) | Frequency Deviation (MHz) | Frequency Stability (ppm) | Temperature (°C) | Voltage (V) | Note |
| 11a | 6Mbps | 1 | 64 | 5320 | 5319.950 | -0.050 | -9.40 | 20 | 3.3 | |
| 11a | 6Mbps | 1 | 64 | 5320 | 5319.950 | -0.050 | -9.40 | 20 | 4.2 | |
| 11a | 6Mbps | 1 | 64 | 5320 | 5319.950 | -0.050 | -9.40 | 20 | 3.7 | |
| 11a | 6Mbps | 1 | 64 | 5320 | 5320.000 | 0.000 | 0.00 | -30 | 3.7 | |
| 11a | 6Mbps | 1 | 64 | 5320 | 5319.950 | -0.050 | -9.40 | 50 | 3.7 | |

| Band III | | | | | | | | | | |
|----------|-----------|-----|-----|-------------|------------------------|---------------------------|---------------------------|------------------|-------------|------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Center Frequency (MHz) | Frequency Deviation (MHz) | Frequency Stability (ppm) | Temperature (°C) | Voltage (V) | Note |
| 11a | 6Mbps | 1 | 100 | 5500 | 5500.000 | 0.000 | 0.00 | 20 | 3.3 | |
| 11a | 6Mbps | 1 | 100 | 5500 | 5500.000 | 0.000 | 0.00 | 20 | 4.2 | |
| 11a | 6Mbps | 1 | 100 | 5500 | 5500.000 | 0.000 | 0.00 | 20 | 3.7 | |
| 11a | 6Mbps | 1 | 100 | 5500 | 5500.000 | 0.000 | 0.00 | -30 | 3.7 | |
| 11a | 6Mbps | 1 | 100 | 5500 | 5500.000 | 0.000 | 0.00 | 50 | 3.7 | |