| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 16, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2387.00 | 72.34 | 74.00 | -1.66 | 40.45 | 3.75 | 28.14 | 0.00 | 194 | 298 | Peak | VERTICAL |
| 2 | 2389.33 | 52.79 | 54.00 | -1.21 | 20.90 | 3.75 | 28.14 | 0.00 | 194 | 298 | Average | VERTICAL |
| 3 | 2416.67 | 98.23 | | | 66.35 | 3.76 | 28.12 | 0.00 | 194 | 298 | Average | VERTICAL |
| 4 | 2419.33 | 107.68 | | | 75.80 | 3.76 | 28.12 | 0.00 | 194 | 298 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2389.00 | 67.01 | 74.00 | -6.99 | 35.12 | 3.75 | 28.14 | 0.00 | 206 | 241 | Peak | VERTICAL |
| 2 | 2389.33 | 52.89 | 54.00 | -1.11 | 21.00 | 3.75 | 28.14 | 0.00 | 206 | 241 | Average | VERTICAL |
| 3 | 2429.00 | 109.43 | | | 77.56 | 3.77 | 28.10 | 0.00 | 206 | 241 | Peak | VERTICAL |
| 4 | 2434.00 | 99.81 | | | 67.94 | 3.77 | 28.10 | 0.00 | 206 | 241 | Average | VERTICAL |
| 5 | 2484.00 | 52.56 | 54.00 | -1.44 | 20.72 | 3.82 | 28.02 | 0.00 | 206 | 241 | Average | VERTICAL |
| 6 | 2484.67 | 67.73 | 74.00 | -6.27 | 35.89 | 3.82 | 28.02 | 0.00 | 206 | 241 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2445.00 | 106.68 | | | 74.82 | 3.79 | 28.07 | 0.00 | 273 | 294 | Peak | VERTICAL |
| 2 | 2447.67 | 97.61 | | | 65.75 | 3.79 | 28.07 | 0.00 | 273 | 294 | Average | VERTICAL |
| 3 | 2485.33 | 52.66 | 54.00 | -1.34 | 20.82 | 3.82 | 28.02 | 0.00 | 273 | 294 | Average | VERTICAL |
| 4 | 2488.33 | 70.37 | 74.00 | -3.63 | 38.54 | 3.83 | 28.00 | 0.00 | 273 | 294 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 15, 2015 | Configurations | IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2389.00 | 48.60 | 54.00 | -5.40 | 16.71 | 3.75 | 28.14 | 0.00 | 201 | 248 | Average | VERTICAL |
| 2 | 2389.20 | 60.28 | 74.00 | -13.72 | 28.39 | 3.75 | 28.14 | 0.00 | 201 | 248 | Peak | VERTICAL |
| 3 | 2411.20 | 114.21 | | | 82.33 | 3.76 | 28.12 | 0.00 | 201 | 248 | Average | VERTICAL |
| 4 | 2413.00 | 118.13 | | | 86.25 | 3.76 | 28.12 | 0.00 | 201 | 248 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2366.20 | 45.01 | 54.00 | -8.99 | 13.10 | 3.72 | 28.19 | 0.00 | 202 | 273 | Average | VERTICAL |
| 2 | 2389.00 | 56.58 | 74.00 | -17.42 | 24.69 | 3.75 | 28.14 | 0.00 | 202 | 273 | Peak | VERTICAL |
| 3 | 2436.20 | 118.71 | | | 86.84 | 3.77 | 28.10 | 0.00 | 202 | 273 | Peak | VERTICAL |
| 4 | 2436.20 | 114.85 | | | 82.98 | 3.77 | 28.10 | 0.00 | 202 | 273 | Average | VERTICAL |
| 5 | 2483.60 | 43.02 | 54.00 | -10.98 | 11.18 | 3.82 | 28.02 | 0.00 | 202 | 273 | Average | VERTICAL |
| 6 | 2488.20 | 56.21 | 74.00 | -17.79 | 24.38 | 3.83 | 28.00 | 0.00 | 202 | 273 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2461.00 | 118.65 | | | 86.80 | 3.80 | 28.05 | 0.00 | 203 | 263 | Peak | VERTICAL |
| 2 | 2461.20 | 114.71 | | | 82.86 | 3.80 | 28.05 | 0.00 | 203 | 263 | Average | VERTICAL |
| 3 | 2486.20 | 51.48 | 54.00 | -2.52 | 19.64 | 3.82 | 28.02 | 0.00 | 203 | 263 | Average | VERTICAL |
| 4 | 2487.80 | 60.38 | 74.00 | -13.62 | 28.55 | 3.83 | 28.00 | 0.00 | 203 | 263 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 15, 2015 | Configurations | IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2390.00 | 72.43 | 74.00 | -1.57 | 40.54 | 3.75 | 28.14 | 0.00 | 202 | 250 | Peak | VERTICAL |
| 2 | 2390.00 | 52.91 | 54.00 | -1.09 | 21.02 | 3.75 | 28.14 | 0.00 | 202 | 250 | Average | VERTICAL |
| 3 | 2411.20 | 115.97 | | | 84.09 | 3.76 | 28.12 | 0.00 | 202 | 250 | Peak | VERTICAL |
| 4 | 2411.20 | 105.71 | | | 73.83 | 3.76 | 28.12 | 0.00 | 202 | 250 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2347.40 | 47.80 | 54.00 | -6.20 | 15.87 | 3.71 | 28.22 | 0.00 | 182 | 225 | Average | HORIZONTAL |
| 2 | 2347.80 | 57.86 | 74.00 | -16.14 | 25.93 | 3.71 | 28.22 | 0.00 | 182 | 225 | Peak | HORIZONTAL |
| 3 | 2435.00 | 105.02 | | | 73.15 | 3.77 | 28.10 | 0.00 | 182 | 225 | Average | HORIZONTAL |
| 4 | 2435.40 | 115.27 | | | 83.40 | 3.77 | 28.10 | 0.00 | 182 | 225 | Peak | HORIZONTAL |
| 5 | 2483.80 | 42.95 | 54.00 | -11.05 | 11.11 | 3.82 | 28.02 | 0.00 | 182 | 225 | Average | HORIZONTAL |
| 6 | 2493.40 | 54.95 | 74.00 | -19.05 | 23.12 | 3.83 | 28.00 | 0.00 | 182 | 225 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2461.20 | 116.90 | | | 85.05 | 3.80 | 28.05 | 0.00 | 202 | 264 | Peak | VERTICAL |
| 2 | 2461.20 | 106.73 | | | 74.88 | 3.80 | 28.05 | 0.00 | 202 | 264 | Average | VERTICAL |
| 3 | 2483.50 | 52.48 | 54.00 | -1.52 | 20.64 | 3.82 | 28.02 | 0.00 | 202 | 264 | Average | VERTICAL |
| 4 | 2483.56 | 71.39 | 74.00 | -2.61 | 39.55 | 3.82 | 28.02 | 0.00 | 202 | 264 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 15, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2386.60 | 52.76 | 54.00 | -1.24 | 20.87 | 3.75 | 28.14 | 0.00 | 204 | 258 | Average | VERTICAL |
| 2 | 2386.80 | 69.38 | 74.00 | -4.62 | 37.49 | 3.75 | 28.14 | 0.00 | 204 | 258 | Peak | VERTICAL |
| 3 | 2411.40 | 116.26 | | | 84.38 | 3.76 | 28.12 | 0.00 | 204 | 258 | Peak | VERTICAL |
| 4 | 2411.60 | 105.99 | | | 74.11 | 3.76 | 28.12 | 0.00 | 204 | 258 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2385.80 | 64.97 | 74.00 | -9.03 | 33.08 | 3.75 | 28.14 | 0.00 | 202 | 278 | Peak | VERTICAL |
| 2 | 2389.00 | 46.26 | 54.00 | -7.74 | 14.37 | 3.75 | 28.14 | 0.00 | 202 | 278 | Average | VERTICAL |
| 3 | 2436.20 | 119.68 | | | 87.81 | 3.77 | 28.10 | 0.00 | 202 | 278 | Peak | VERTICAL |
| 4 | 2436.60 | 109.53 | | | 77.67 | 3.79 | 28.07 | 0.00 | 202 | 278 | Average | VERTICAL |
| 5 | 2483.50 | 45.25 | 54.00 | -8.75 | 13.41 | 3.82 | 28.02 | 0.00 | 202 | 278 | Average | VERTICAL |
| 6 | 2487.00 | 58.86 | 74.00 | -15.14 | 27.02 | 3.82 | 28.02 | 0.00 | 202 | 278 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2461.40 | 117.02 | | | 85.17 | 3.80 | 28.05 | 0.00 | 204 | 262 | Peak | VERTICAL |
| 2 | 2461.40 | 106.80 | | | 74.95 | 3.80 | 28.05 | 0.00 | 204 | 262 | Average | VERTICAL |
| 3 | 2484.00 | 72.07 | 74.00 | -1.93 | 40.23 | 3.82 | 28.02 | 0.00 | 204 | 262 | Peak | VERTICAL |
| 4 | 2486.40 | 52.75 | 54.00 | -1.25 | 20.91 | 3.82 | 28.02 | 0.00 | 204 | 262 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 15, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2386.80 | 68.44 | 74.00 | -5.56 | 36.55 | 3.75 | 28.14 | 0.00 | 203 | 271 | Peak | VERTICAL |
| 2 | 2386.80 | 52.79 | 54.00 | -1.21 | 20.90 | 3.75 | 28.14 | 0.00 | 203 | 271 | Average | VERTICAL |
| 3 | 2416.80 | 100.96 | | | 69.08 | 3.76 | 28.12 | 0.00 | 203 | 271 | Average | VERTICAL |
| 4 | 2426.40 | 110.61 | | | 78.74 | 3.77 | 28.10 | 0.00 | 203 | 271 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2386.60 | 52.62 | 54.00 | -1.38 | 20.73 | 3.75 | 28.14 | 0.00 | 205 | 272 | Average | VERTICAL |
| 2 | 2387.80 | 67.65 | 74.00 | -6.35 | 35.76 | 3.75 | 28.14 | 0.00 | 205 | 272 | Peak | VERTICAL |
| 3 | 2421.40 | 101.93 | | | 70.06 | 3.77 | 28.10 | 0.00 | 205 | 272 | Average | VERTICAL |
| 4 | 2431.60 | 111.79 | | | 79.92 | 3.77 | 28.10 | 0.00 | 205 | 272 | Peak | VERTICAL |
| 5 | 2486.20 | 65.51 | 74.00 | -8.49 | 33.67 | 3.82 | 28.02 | 0.00 | 205 | 272 | Peak | VERTICAL |
| 6 | 2487.40 | 49.56 | 54.00 | -4.44 | 17.72 | 3.82 | 28.02 | 0.00 | 205 | 272 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2436.40 | 100.92 | | | 69.05 | 3.77 | 28.10 | 0.00 | 206 | 275 | Average | VERTICAL |
| 2 | 2446.40 | 110.37 | | | 78.51 | 3.79 | 28.07 | 0.00 | 206 | 275 | Peak | VERTICAL |
| 3 | 2486.80 | 72.52 | 74.00 | -1.48 | 40.68 | 3.82 | 28.02 | 0.00 | 206 | 275 | Peak | VERTICAL |
| 4 | 2486.80 | 52.67 | 54.00 | -1.33 | 20.83 | 3.82 | 28.02 | 0.00 | 206 | 275 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 15, 2015 | Configurations | IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2389.60 | 60.68 | 74.00 | -13.32 | 28.79 | 3.75 | 28.14 | 0.00 | 204 | 244 | Peak | VERTICAL |
| 2 | 2390.00 | 49.69 | 54.00 | -4.31 | 17.80 | 3.75 | 28.14 | 0.00 | 204 | 244 | Average | VERTICAL |
| 3 | 2411.20 | 116.04 | | | 84.16 | 3.76 | 28.12 | 0.00 | 204 | 244 | Average | VERTICAL |
| 4 | 2413.00 | 119.92 | | | 88.04 | 3.76 | 28.12 | 0.00 | 204 | 244 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2383.80 | 46.01 | 54.00 | -7.99 | 14.11 | 3.73 | 28.17 | 0.00 | 188 | 224 | Average | HORIZONTAL |
| 2 | 2389.00 | 55.76 | 74.00 | -18.24 | 23.87 | 3.75 | 28.14 | 0.00 | 188 | 224 | Peak | HORIZONTAL |
| 3 | 2436.20 | 110.98 | | | 79.11 | 3.77 | 28.10 | 0.00 | 188 | 224 | Peak | HORIZONTAL |
| 4 | 2436.20 | 107.13 | | | 75.26 | 3.77 | 28.10 | 0.00 | 188 | 224 | Average | HORIZONTAL |
| 5 | 2484.30 | 44.08 | 54.00 | -9.92 | 12.24 | 3.82 | 28.02 | 0.00 | 188 | 224 | Average | HORIZONTAL |
| 6 | 2487.90 | 56.47 | 74.00 | -17.53 | 24.64 | 3.83 | 28.00 | 0.00 | 188 | 224 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2461.20 | 120.58 | | | 88.73 | 3.80 | 28.05 | 0.00 | 212 | 263 | Peak | VERTICAL |
| 2 | 2461.20 | 116.66 | | | 84.81 | 3.80 | 28.05 | 0.00 | 212 | 263 | Average | VERTICAL |
| 3 | 2486.20 | 52.35 | 54.00 | -1.65 | 20.51 | 3.82 | 28.02 | 0.00 | 212 | 263 | Average | VERTICAL |
| 4 | 2488.00 | 62.53 | 74.00 | -11.47 | 30.70 | 3.83 | 28.00 | 0.00 | 212 | 263 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 15, 2015 | Configurations | IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2390.00 | 70.14 | 74.00 | -3.86 | 38.25 | 3.75 | 28.14 | 0.00 | 201 | 240 | Peak | VERTICAL |
| 2 | 2390.00 | 52.77 | 54.00 | -1.23 | 20.88 | 3.75 | 28.14 | 0.00 | 201 | 240 | Average | VERTICAL |
| 3 | 2411.20 | 117.34 | | | 85.46 | 3.76 | 28.12 | 0.00 | 201 | 240 | Peak | VERTICAL |
| 4 | 2411.20 | 107.37 | | | 75.49 | 3.76 | 28.12 | 0.00 | 201 | 240 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2383.80 | 57.54 | 74.00 | -16.46 | 25.64 | 3.73 | 28.17 | 0.00 | 186 | 204 | Peak | HORIZONTAL |
| 2 | 2383.80 | 46.57 | 54.00 | -7.43 | 14.67 | 3.73 | 28.17 | 0.00 | 186 | 204 | Average | HORIZONTAL |
| 3 | 2435.00 | 114.26 | | | 82.39 | 3.77 | 28.10 | 0.00 | 186 | 204 | Peak | HORIZONTAL |
| 4 | 2435.80 | 102.53 | | | 70.66 | 3.77 | 28.10 | 0.00 | 186 | 204 | Average | HORIZONTAL |
| 5 | 2493.40 | 45.86 | 54.00 | -8.14 | 14.03 | 3.83 | 28.00 | 0.00 | 186 | 204 | Average | HORIZONTAL |
| 6 | 2493.80 | 57.47 | 74.00 | -16.53 | 25.64 | 3.83 | 28.00 | 0.00 | 186 | 204 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2460.80 | 118.45 | | | 86.60 | 3.80 | 28.05 | 0.00 | 208 | 242 | Peak | VERTICAL |
| 2 | 2460.80 | 107.83 | | | 75.98 | 3.80 | 28.05 | 0.00 | 208 | 242 | Average | VERTICAL |
| 3 | 2483.50 | 68.58 | 74.00 | -5.42 | 36.74 | 3.82 | 28.02 | 0.00 | 208 | 242 | Peak | VERTICAL |
| 4 | 2483.50 | 52.80 | 54.00 | -1.20 | 20.96 | 3.82 | 28.02 | 0.00 | 208 | 242 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 15, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2386.80 | 52.78 | 54.00 | -1.22 | 20.89 | 3.75 | 28.14 | 0.00 | 197 | 230 | Average | VERTICAL |
| 2 | 2388.40 | 69.48 | 74.00 | -4.52 | 37.59 | 3.75 | 28.14 | 0.00 | 197 | 230 | Peak | VERTICAL |
| 3 | 2411.60 | 116.79 | | | 84.91 | 3.76 | 28.12 | 0.00 | 197 | 230 | Peak | VERTICAL |
| 4 | 2411.60 | 107.13 | | | 75.25 | 3.76 | 28.12 | 0.00 | 197 | 230 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2385.80 | 61.91 | 74.00 | -12.09 | 30.02 | 3.75 | 28.14 | 0.00 | 197 | 243 | Peak | VERTICAL |
| 2 | 2389.00 | 46.98 | 54.00 | -7.02 | 15.09 | 3.75 | 28.14 | 0.00 | 197 | 243 | Average | VERTICAL |
| 3 | 2436.20 | 120.99 | | | 89.12 | 3.77 | 28.10 | 0.00 | 197 | 243 | Peak | VERTICAL |
| 4 | 2436.60 | 110.91 | | | 79.05 | 3.79 | 28.07 | 0.00 | 197 | 243 | Average | VERTICAL |
| 5 | 2483.50 | 46.26 | 54.00 | -7.74 | 14.42 | 3.82 | 28.02 | 0.00 | 197 | 243 | Average | VERTICAL |
| 6 | 2485.00 | 58.59 | 74.00 | -15.41 | 26.75 | 3.82 | 28.02 | 0.00 | 197 | 243 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2461.60 | 116.91 | | | 85.06 | 3.80 | 28.05 | 0.00 | 201 | 258 | Peak | VERTICAL |
| 2 | 2461.60 | 107.53 | | | 75.68 | 3.80 | 28.05 | 0.00 | 201 | 258 | Average | VERTICAL |
| 3 | 2486.40 | 70.38 | 74.00 | -3.62 | 38.54 | 3.82 | 28.02 | 0.00 | 201 | 258 | Peak | VERTICAL |
| 4 | 2486.40 | 52.74 | 54.00 | -1.26 | 20.90 | 3.82 | 28.02 | 0.00 | 201 | 258 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 15, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2382.40 | 70.12 | 74.00 | -3.88 | 38.22 | 3.73 | 28.17 | 0.00 | 201 | 242 | Peak | VERTICAL |
| 2 | 2386.80 | 52.91 | 54.00 | -1.09 | 21.02 | 3.75 | 28.14 | 0.00 | 201 | 242 | Average | VERTICAL |
| 3 | 2416.80 | 100.53 | | | 68.65 | 3.76 | 28.12 | 0.00 | 201 | 242 | Average | VERTICAL |
| 4 | 2417.20 | 112.15 | | | 80.27 | 3.76 | 28.12 | 0.00 | 201 | 242 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2386.60 | 66.32 | 74.00 | -7.68 | 34.43 | 3.75 | 28.14 | 0.00 | 198 | 235 | Peak | VERTICAL |
| 2 | 2387.00 | 52.89 | 54.00 | -1.11 | 21.00 | 3.75 | 28.14 | 0.00 | 198 | 235 | Average | VERTICAL |
| 3 | 2431.40 | 112.94 | | | 81.07 | 3.77 | 28.10 | 0.00 | 198 | 235 | Peak | VERTICAL |
| 4 | 2431.40 | 101.43 | | | 69.56 | 3.77 | 28.10 | 0.00 | 198 | 235 | Average | VERTICAL |
| 5 | 2486.20 | 68.86 | 74.00 | -5.14 | 37.02 | 3.82 | 28.02 | 0.00 | 198 | 235 | Peak | VERTICAL |
| 6 | 2486.20 | 50.44 | 54.00 | -3.56 | 18.60 | 3.82 | 28.02 | 0.00 | 198 | 235 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2436.80 | 100.55 | | | 68.69 | 3.79 | 28.07 | 0.00 | 204 | 242 | Average | VERTICAL |
| 2 | 2442.00 | 112.40 | | | 80.54 | 3.79 | 28.07 | 0.00 | 204 | 242 | Peak | VERTICAL |
| 3 | 2486.00 | 52.82 | 54.00 | -1.18 | 20.98 | 3.82 | 28.02 | 0.00 | 204 | 242 | Average | VERTICAL |
| 4 | 2488.00 | 72.04 | 74.00 | -1.96 | 40.21 | 3.83 | 28.00 | 0.00 | 204 | 242 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11b CH 1, 6, 11 / Chain 1 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi / 1TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2388.80 | 59.88 | 74.00 | -14.12 | 27.99 | 3.75 | 28.14 | 0.00 | 130 | 261 | Peak | VERTICAL |
| 2 | 2390.00 | 49.13 | 54.00 | -4.87 | 17.24 | 3.75 | 28.14 | 0.00 | 130 | 261 | Average | VERTICAL |
| 3 | 2411.00 | 111.89 | | | 80.01 | 3.76 | 28.12 | 0.00 | 130 | 261 | Peak | VERTICAL |
| 4 | 2411.20 | 108.14 | | | 76.26 | 3.76 | 28.12 | 0.00 | 130 | 261 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2359.80 | 56.48 | 74.00 | -17.52 | 24.57 | 3.72 | 28.19 | 0.00 | 1 | 250 | Peak | VERTICAL |
| 2 | 2388.60 | 44.58 | 54.00 | -9.42 | 12.69 | 3.75 | 28.14 | 0.00 | 1 | 250 | Average | VERTICAL |
| 3 | 2436.20 | 111.90 | | | 80.03 | 3.77 | 28.10 | 0.00 | 1 | 250 | Peak | VERTICAL |
| 4 | 2436.20 | 108.05 | | | 76.18 | 3.77 | 28.10 | 0.00 | 1 | 250 | Average | VERTICAL |
| 5 | 2500.20 | 56.27 | 74.00 | -17.73 | 24.44 | 3.83 | 28.00 | 0.00 | 1 | 250 | Peak | VERTICAL |
| 6 | 2513.40 | 45.18 | 54.00 | -8.82 | 13.30 | 3.84 | 28.04 | 0.00 | 1 | 250 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2461.20 | 110.72 | | | 78.87 | 3.80 | 28.05 | 0.00 | 0 | 250 | Peak | VERTICAL |
| 2 | 2461.20 | 106.93 | | | 75.08 | 3.80 | 28.05 | 0.00 | 0 | 250 | Average | VERTICAL |
| 3 | 2483.50 | 47.36 | 54.00 | -6.64 | 15.52 | 3.82 | 28.02 | 0.00 | 0 | 250 | Average | VERTICAL |
| 4 | 2486.20 | 57.62 | 74.00 | -16.38 | 25.78 | 3.82 | 28.02 | 0.00 | 0 | 250 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11g CH 1, 6, 11 / Chain 1 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi / 1TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2389.80 | 70.29 | 74.00 | -3.71 | 38.40 | 3.75 | 28.14 | 0.00 | 145 | 330 | Peak | VERTICAL |
| 2 | 2390.00 | 52.69 | 54.00 | -1.31 | 20.80 | 3.75 | 28.14 | 0.00 | 145 | 330 | Average | VERTICAL |
| 3 | 2410.20 | 112.23 | | | 80.35 | 3.76 | 28.12 | 0.00 | 145 | 330 | Peak | VERTICAL |
| 4 | 2411.00 | 101.39 | | | 69.51 | 3.76 | 28.12 | 0.00 | 145 | 330 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2384.20 | 56.91 | 74.00 | -17.09 | 25.01 | 3.73 | 28.17 | 0.00 | 0 | 324 | Peak | VERTICAL |
| 2 | 2390.00 | 45.17 | 54.00 | -8.83 | 13.28 | 3.75 | 28.14 | 0.00 | 0 | 324 | Average | VERTICAL |
| 3 | 2434.20 | 113.56 | | | 81.69 | 3.77 | 28.10 | 0.00 | 0 | 324 | Peak | VERTICAL |
| 4 | 2435.80 | 103.91 | | | 72.04 | 3.77 | 28.10 | 0.00 | 0 | 324 | Average | VERTICAL |
| 5 | 2485.40 | 56.41 | 74.00 | -17.59 | 24.57 | 3.82 | 28.02 | 0.00 | 0 | 324 | Peak | VERTICAL |
| 6 | 2513.40 | 45.49 | 54.00 | -8.51 | 13.61 | 3.84 | 28.04 | 0.00 | 0 | 324 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2460.00 | 114.00 | | | 82.15 | 3.80 | 28.05 | 0.00 | 256 | 271 | Peak | VERTICAL |
| 2 | 2461.00 | 102.23 | | | 70.38 | 3.80 | 28.05 | 0.00 | 256 | 271 | Average | VERTICAL |
| 3 | 2483.50 | 52.70 | 54.00 | -1.30 | 20.86 | 3.82 | 28.02 | 0.00 | 256 | 271 | Average | VERTICAL |
| 4 | 2483.80 | 69.37 | 74.00 | -4.63 | 37.53 | 3.82 | 28.02 | 0.00 | 256 | 271 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 ~ Oct. 18, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi / 1TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2390.00 | 72.03 | 74.00 | -1.97 | 40.14 | 3.75 | 28.14 | 0.00 | 132 | 312 | Peak | VERTICAL |
| 2 | 2390.00 | 52.76 | 54.00 | -1.24 | 20.87 | 3.75 | 28.14 | 0.00 | 132 | 312 | Average | VERTICAL |
| 3 | 2410.80 | 100.70 | | | 68.82 | 3.76 | 28.12 | 0.00 | 132 | 312 | Average | VERTICAL |
| 4 | 2414.40 | 111.99 | | | 80.11 | 3.76 | 28.12 | 0.00 | 132 | 312 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2389.40 | 58.78 | 74.00 | -15.22 | 26.89 | 3.75 | 28.14 | 0.00 | 349 | 289 | Peak | VERTICAL |
| 2 | 2390.00 | 45.28 | 54.00 | -8.72 | 13.39 | 3.75 | 28.14 | 0.00 | 349 | 289 | Average | VERTICAL |
| 3 | 2435.80 | 103.70 | | | 71.83 | 3.77 | 28.10 | 0.00 | 349 | 289 | Average | VERTICAL |
| 4 | 2438.60 | 114.02 | | | 82.16 | 3.79 | 28.07 | 0.00 | 349 | 289 | Peak | VERTICAL |
| 5 | 2483.50 | 57.35 | 74.00 | -16.65 | 25.51 | 3.82 | 28.02 | 0.00 | 349 | 289 | Peak | VERTICAL |
| 6 | 2520.20 | 45.57 | 54.00 | -8.43 | 13.69 | 3.84 | 28.04 | 0.00 | 349 | 289 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2462.00 | 111.86 | | | 80.01 | 3.80 | 28.05 | 0.00 | 346 | 282 | Peak | VERTICAL |
| 2 | 2463.20 | 102.32 | | | 70.47 | 3.80 | 28.05 | 0.00 | 346 | 282 | Average | VERTICAL |
| 3 | 2483.50 | 52.95 | 54.00 | -1.05 | 21.11 | 3.82 | 28.02 | 0.00 | 346 | 282 | Average | VERTICAL |
| 4 | 2484.00 | 68.39 | 74.00 | -5.61 | 36.55 | 3.82 | 28.02 | 0.00 | 346 | 282 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 18, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi / 1TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2388.40 | 73.00 | 74.00 | -1.00 | 41.11 | 3.75 | 28.14 | 0.00 | 134 | 320 | Peak | VERTICAL |
| 2 | 2389.20 | 52.74 | 54.00 | -1.26 | 20.85 | 3.75 | 28.14 | 0.00 | 134 | 320 | Average | VERTICAL |
| 3 | 2407.60 | 96.20 | | | 64.32 | 3.76 | 28.12 | 0.00 | 134 | 320 | Average | VERTICAL |
| 4 | 2414.80 | 106.02 | | | 74.14 | 3.76 | 28.12 | 0.00 | 134 | 320 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2390.00 | 66.41 | 74.00 | -7.59 | 34.52 | 3.75 | 28.14 | 0.00 | 360 | 326 | Peak | VERTICAL |
| 2 | 2390.00 | 52.87 | 54.00 | -1.13 | 20.98 | 3.75 | 28.14 | 0.00 | 360 | 326 | Average | VERTICAL |
| 3 | 2425.00 | 97.89 | | | 66.02 | 3.77 | 28.10 | 0.00 | 360 | 326 | Average | VERTICAL |
| 4 | 2426.80 | 107.21 | | | 75.34 | 3.77 | 28.10 | 0.00 | 360 | 326 | Peak | VERTICAL |
| 5 | 2483.50 | 51.36 | 54.00 | -2.64 | 19.52 | 3.82 | 28.02 | 0.00 | 360 | 326 | Average | VERTICAL |
| 6 | 2485.60 | 64.42 | 74.00 | -9.58 | 32.58 | 3.82 | 28.02 | 0.00 | 360 | 326 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2437.60 | 97.39 | | | 65.53 | 3.79 | 28.07 | 0.00 | 358 | 324 | Average | VERTICAL |
| 2 | 2438.00 | 106.60 | | | 74.74 | 3.79 | 28.07 | 0.00 | 358 | 324 | Peak | VERTICAL |
| 3 | 2483.50 | 52.74 | 54.00 | -1.26 | 20.90 | 3.82 | 28.02 | 0.00 | 358 | 324 | Average | VERTICAL |
| 4 | 2487.20 | 69.60 | 74.00 | -4.40 | 37.76 | 3.82 | 28.02 | 0.00 | 358 | 324 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 3: 3.2dBi / 2TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2389.00 | 49.24 | 54.00 | -4.76 | 17.35 | 3.75 | 28.14 | 0.00 | 2 | 292 | Average | VERTICAL |
| 2 | 2389.80 | 60.04 | 74.00 | -13.96 | 28.15 | 3.75 | 28.14 | 0.00 | 2 | 292 | Peak | VERTICAL |
| 3 | 2411.20 | 113.43 | | | 81.55 | 3.76 | 28.12 | 0.00 | 2 | 292 | Average | VERTICAL |
| 4 | 2413.00 | 117.26 | | | 85.38 | 3.76 | 28.12 | 0.00 | 2 | 292 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2386.80 | 56.55 | 74.00 | -17.45 | 24.66 | 3.75 | 28.14 | 0.00 | 6 | 281 | Peak | VERTICAL |
| 2 | 2390.00 | 45.25 | 54.00 | -8.75 | 13.36 | 3.75 | 28.14 | 0.00 | 6 | 281 | Average | VERTICAL |
| 3 | 2436.20 | 117.59 | | | 85.72 | 3.77 | 28.10 | 0.00 | 6 | 281 | Peak | VERTICAL |
| 4 | 2436.20 | 113.79 | | | 81.92 | 3.77 | 28.10 | 0.00 | 6 | 281 | Average | VERTICAL |
| 5 | 2500.20 | 45.17 | 54.00 | -8.83 | 13.34 | 3.83 | 28.00 | 0.00 | 6 | 281 | Average | VERTICAL |
| 6 | 2500.60 | 57.42 | 74.00 | -16.58 | 25.59 | 3.83 | 28.00 | 0.00 | 6 | 281 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2461.20 | 116.49 | | | 84.64 | 3.80 | 28.05 | 0.00 | 7 | 252 | Peak | VERTICAL |
| 2 | 2461.20 | 112.58 | | | 80.73 | 3.80 | 28.05 | 0.00 | 7 | 252 | Average | VERTICAL |
| 3 | 2486.40 | 59.51 | 74.00 | -14.49 | 27.67 | 3.82 | 28.02 | 0.00 | 7 | 252 | Peak | VERTICAL |
| 4 | 2486.80 | 48.96 | 54.00 | -5.04 | 17.12 | 3.82 | 28.02 | 0.00 | 7 | 252 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 3: 3.2dBi / 2TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2389.80 | 71.38 | 74.00 | -2.62 | 39.49 | 3.75 | 28.14 | 0.00 | 357 | 320 | Peak | VERTICAL |
| 2 | 2390.00 | 52.85 | 54.00 | -1.15 | 20.96 | 3.75 | 28.14 | 0.00 | 357 | 320 | Average | VERTICAL |
| 3 | 2411.20 | 104.91 | | | 73.03 | 3.76 | 28.12 | 0.00 | 357 | 320 | Average | VERTICAL |
| 4 | 2411.40 | 114.82 | | | 82.94 | 3.76 | 28.12 | 0.00 | 357 | 320 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2385.40 | 59.78 | 74.00 | -14.22 | 27.88 | 3.73 | 28.17 | 0.00 | 355 | 257 | Peak | VERTICAL |
| 2 | 2390.00 | 46.24 | 54.00 | -7.76 | 14.35 | 3.75 | 28.14 | 0.00 | 355 | 257 | Average | VERTICAL |
| 3 | 2435.80 | 108.50 | | | 76.63 | 3.77 | 28.10 | 0.00 | 355 | 257 | Average | VERTICAL |
| 4 | 2436.20 | 118.50 | | | 86.63 | 3.77 | 28.10 | 0.00 | 355 | 257 | Peak | VERTICAL |
| 5 | 2487.00 | 57.36 | 74.00 | -16.64 | 25.52 | 3.82 | 28.02 | 0.00 | 355 | 257 | Peak | VERTICAL |
| 6 | 2513.40 | 47.17 | 54.00 | -6.83 | 15.29 | 3.84 | 28.04 | 0.00 | 355 | 257 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2461.20 | 106.08 | | | 74.23 | 3.80 | 28.05 | 0.00 | 359 | 275 | Average | VERTICAL |
| 2 | 2461.40 | 115.97 | | | 84.12 | 3.80 | 28.05 | 0.00 | 359 | 275 | Peak | VERTICAL |
| 3 | 2483.50 | 52.84 | 54.00 | -1.16 | 21.00 | 3.82 | 28.02 | 0.00 | 359 | 275 | Average | VERTICAL |
| 4 | 2485.80 | 66.62 | 74.00 | -7.38 | 34.78 | 3.82 | 28.02 | 0.00 | 359 | 275 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 3: 3.2dBi / 2TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2388.80 | 71.49 | 74.00 | -2.51 | 39.60 | 3.75 | 28.14 | 0.00 | 1 | 290 | Peak | VERTICAL |
| 2 | 2389.60 | 52.95 | 54.00 | -1.05 | 21.06 | 3.75 | 28.14 | 0.00 | 1 | 290 | Average | VERTICAL |
| 3 | 2414.00 | 114.44 | | | 82.56 | 3.76 | 28.12 | 0.00 | 1 | 290 | Peak | VERTICAL |
| 4 | 2414.20 | 103.54 | | | 71.66 | 3.76 | 28.12 | 0.00 | 1 | 290 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2383.80 | 62.87 | 74.00 | -11.13 | 30.97 | 3.73 | 28.17 | 0.00 | 354 | 253 | Peak | VERTICAL |
| 2 | 2389.80 | 46.39 | 54.00 | -7.61 | 14.50 | 3.75 | 28.14 | 0.00 | 354 | 253 | Average | VERTICAL |
| 3 | 2436.20 | 117.55 | | | 85.68 | 3.77 | 28.10 | 0.00 | 354 | 253 | Peak | VERTICAL |
| 4 | 2436.60 | 107.41 | | | 75.55 | 3.79 | 28.07 | 0.00 | 354 | 253 | Average | VERTICAL |
| 5 | 2484.20 | 57.45 | 74.00 | -16.55 | 25.61 | 3.82 | 28.02 | 0.00 | 354 | 253 | Peak | VERTICAL |
| 6 | 2513.40 | 46.47 | 54.00 | -7.53 | 14.59 | 3.84 | 28.04 | 0.00 | 354 | 253 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2459.40 | 104.68 | | | 72.83 | 3.80 | 28.05 | 0.00 | 4 | 280 | Average | VERTICAL |
| 2 | 2459.80 | 114.95 | | | 83.10 | 3.80 | 28.05 | 0.00 | 4 | 280 | Peak | VERTICAL |
| 3 | 2483.80 | 69.53 | 74.00 | -4.47 | 37.69 | 3.82 | 28.02 | 0.00 | 4 | 280 | Peak | VERTICAL |
| 4 | 2484.20 | 52.87 | 54.00 | -1.13 | 21.03 | 3.82 | 28.02 | 0.00 | 4 | 280 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 3: 3.2dBi / 2TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2389.20 | 72.12 | 74.00 | -1.88 | 40.23 | 3.75 | 28.14 | 0.00 | 1 | 291 | Peak | VERTICAL |
| 2 | 2389.20 | 52.82 | 54.00 | -1.18 | 20.93 | 3.75 | 28.14 | 0.00 | 1 | 291 | Average | VERTICAL |
| 3 | 2414.80 | 108.98 | | | 77.10 | 3.76 | 28.12 | 0.00 | 1 | 291 | Peak | VERTICAL |
| 4 | 2416.80 | 99.43 | | | 67.55 | 3.76 | 28.12 | 0.00 | 1 | 291 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2386.60 | 68.13 | 74.00 | -5.87 | 36.24 | 3.75 | 28.14 | 0.00 | 352 | 290 | Peak | VERTICAL |
| 2 | 2388.40 | 52.81 | 54.00 | -1.19 | 20.92 | 3.75 | 28.14 | 0.00 | 352 | 290 | Average | VERTICAL |
| 3 | 2421.40 | 100.52 | | | 68.65 | 3.77 | 28.10 | 0.00 | 352 | 290 | Average | VERTICAL |
| 4 | 2431.60 | 109.91 | | | 78.04 | 3.77 | 28.10 | 0.00 | 352 | 290 | Peak | VERTICAL |
| 5 | 2483.50 | 50.70 | 54.00 | -3.30 | 18.86 | 3.82 | 28.02 | 0.00 | 352 | 290 | Average | VERTICAL |
| 6 | 2484.40 | 68.93 | 74.00 | -5.07 | 37.09 | 3.82 | 28.02 | 0.00 | 352 | 290 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2436.80 | 99.85 | | | 67.99 | 3.79 | 28.07 | 0.00 | 3 | 259 | Average | VERTICAL |
| 2 | 2442.00 | 109.44 | | | 77.58 | 3.79 | 28.07 | 0.00 | 3 | 259 | Peak | VERTICAL |
| 3 | 2484.40 | 52.81 | 54.00 | -1.19 | 20.97 | 3.82 | 28.02 | 0.00 | 3 | 259 | Average | VERTICAL |
| 4 | 2487.20 | 71.57 | 74.00 | -2.43 | 39.73 | 3.82 | 28.02 | 0.00 | 3 | 259 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2386.20 | 58.15 | 74.00 | -15.85 | 26.26 | 3.75 | 28.14 | 0.00 | 9 | 201 | Peak | VERTICAL |
| 2 | 2390.00 | 48.09 | 54.00 | -5.91 | 16.20 | 3.75 | 28.14 | 0.00 | 9 | 201 | Average | VERTICAL |
| 3 | 2411.20 | 111.97 | | | 80.09 | 3.76 | 28.12 | 0.00 | 9 | 201 | Average | VERTICAL |
| 4 | 2413.00 | 115.57 | | | 83.69 | 3.76 | 28.12 | 0.00 | 9 | 201 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2389.00 | 56.47 | 74.00 | -17.53 | 24.58 | 3.75 | 28.14 | 0.00 | 9 | 260 | Peak | VERTICAL |
| 2 | 2389.00 | 45.53 | 54.00 | -8.47 | 13.64 | 3.75 | 28.14 | 0.00 | 9 | 260 | Average | VERTICAL |
| 3 | 2436.20 | 118.00 | | | 86.13 | 3.77 | 28.10 | 0.00 | 9 | 260 | Peak | VERTICAL |
| 4 | 2436.20 | 114.38 | | | 82.51 | 3.77 | 28.10 | 0.00 | 9 | 260 | Average | VERTICAL |
| 5 | 2483.50 | 45.01 | 54.00 | -8.99 | 13.17 | 3.82 | 28.02 | 0.00 | 9 | 260 | Average | VERTICAL |
| 6 | 2487.80 | 56.17 | 74.00 | -17.83 | 24.34 | 3.83 | 28.00 | 0.00 | 9 | 260 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2461.20 | 117.97 | | | 86.12 | 3.80 | 28.05 | 0.00 | 11 | 227 | Peak | VERTICAL |
| 2 | 2461.40 | 114.35 | | | 82.50 | 3.80 | 28.05 | 0.00 | 11 | 227 | Average | VERTICAL |
| 3 | 2486.80 | 50.27 | 54.00 | -3.73 | 18.43 | 3.82 | 28.02 | 0.00 | 11 | 227 | Average | VERTICAL |
| 4 | 2487.60 | 60.54 | 74.00 | -13.46 | 28.71 | 3.83 | 28.00 | 0.00 | 11 | 227 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2387.60 | 52.73 | 54.00 | -1.27 | 20.84 | 3.75 | 28.14 | 0.00 | 18 | 255 | Average | VERTICAL |
| 2 | 2388.80 | 69.33 | 74.00 | -4.67 | 37.44 | 3.75 | 28.14 | 0.00 | 18 | 255 | Peak | VERTICAL |
| 3 | 2412.60 | 114.91 | | | 83.03 | 3.76 | 28.12 | 0.00 | 18 | 255 | Peak | VERTICAL |
| 4 | 2412.80 | 104.51 | | | 72.63 | 3.76 | 28.12 | 0.00 | 18 | 255 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2388.20 | 46.38 | 54.00 | -7.62 | 14.49 | 3.75 | 28.14 | 0.00 | 19 | 231 | Average | VERTICAL |
| 2 | 2388.60 | 59.27 | 74.00 | -14.73 | 27.38 | 3.75 | 28.14 | 0.00 | 19 | 231 | Peak | VERTICAL |
| 3 | 2437.80 | 109.10 | | | 77.24 | 3.79 | 28.07 | 0.00 | 19 | 231 | Average | VERTICAL |
| 4 | 2438.20 | 118.50 | | | 86.64 | 3.79 | 28.07 | 0.00 | 19 | 231 | Peak | VERTICAL |
| 5 | 2483.80 | 56.84 | 74.00 | -17.16 | 25.00 | 3.82 | 28.02 | 0.00 | 19 | 231 | Peak | VERTICAL |
| 6 | 2489.00 | 45.41 | 54.00 | -8.59 | 13.58 | 3.83 | 28.00 | 0.00 | 19 | 231 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2465.00 | 116.72 | | | 84.87 | 3.80 | 28.05 | 0.00 | 262 | 273 | Peak | VERTICAL |
| 2 | 2465.40 | 105.85 | | | 74.00 | 3.80 | 28.05 | 0.00 | 262 | 273 | Average | VERTICAL |
| 3 | 2483.50 | 70.59 | 74.00 | -3.41 | 38.75 | 3.82 | 28.02 | 0.00 | 262 | 273 | Peak | VERTICAL |
| 4 | 2484.60 | 52.98 | 54.00 | -1.02 | 21.14 | 3.82 | 28.02 | 0.00 | 262 | 273 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2387.80 | 67.86 | 74.00 | -6.14 | 35.97 | 3.75 | 28.14 | 0.00 | 17 | 260 | Peak | VERTICAL |
| 2 | 2387.80 | 52.67 | 54.00 | -1.33 | 20.78 | 3.75 | 28.14 | 0.00 | 17 | 260 | Average | VERTICAL |
| 3 | 2412.60 | 104.84 | | | 72.96 | 3.76 | 28.12 | 0.00 | 17 | 260 | Average | VERTICAL |
| 4 | 2412.80 | 115.48 | | | 83.60 | 3.76 | 28.12 | 0.00 | 17 | 260 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2390.00 | 61.76 | 74.00 | -12.24 | 29.87 | 3.75 | 28.14 | 0.00 | 258 | 224 | Peak | VERTICAL |
| 2 | 2390.00 | 46.55 | 54.00 | -7.45 | 14.66 | 3.75 | 28.14 | 0.00 | 258 | 224 | Average | VERTICAL |
| 3 | 2435.40 | 108.42 | | | 76.55 | 3.77 | 28.10 | 0.00 | 258 | 224 | Average | VERTICAL |
| 4 | 2435.80 | 118.44 | | | 86.57 | 3.77 | 28.10 | 0.00 | 258 | 224 | Peak | VERTICAL |
| 5 | 2483.50 | 46.24 | 54.00 | -7.76 | 14.40 | 3.82 | 28.02 | 0.00 | 258 | 224 | Average | VERTICAL |
| 6 | 2485.80 | 61.32 | 74.00 | -12.68 | 29.48 | 3.82 | 28.02 | 0.00 | 258 | 224 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2460.40 | 105.79 | | | 73.94 | 3.80 | 28.05 | 0.00 | 265 | 224 | Average | VERTICAL |
| 2 | 2460.60 | 116.49 | | | 84.64 | 3.80 | 28.05 | 0.00 | 265 | 224 | Peak | VERTICAL |
| 3 | 2484.40 | 71.99 | 74.00 | -2.01 | 40.15 | 3.82 | 28.02 | 0.00 | 265 | 224 | Peak | VERTICAL |
| 4 | 2485.20 | 52.65 | 54.00 | -1.35 | 20.81 | 3.82 | 28.02 | 0.00 | 265 | 224 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi / 3TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2387.20 | 72.38 | 74.00 | -1.62 | 40.49 | 3.75 | 28.14 | 0.00 | 256 | 201 | Peak | VERTICAL |
| 2 | 2390.00 | 52.87 | 54.00 | -1.13 | 20.98 | 3.75 | 28.14 | 0.00 | 256 | 201 | Average | VERTICAL |
| 3 | 2420.80 | 109.85 | | | 77.98 | 3.77 | 28.10 | 0.00 | 256 | 201 | Peak | VERTICAL |
| 4 | 2425.60 | 98.71 | | | 66.84 | 3.77 | 28.10 | 0.00 | 256 | 201 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2390.00 | 67.35 | 74.00 | -6.65 | 35.46 | 3.75 | 28.14 | 0.00 | 259 | 201 | Peak | VERTICAL |
| 2 | 2390.00 | 52.84 | 54.00 | -1.16 | 20.95 | 3.75 | 28.14 | 0.00 | 259 | 201 | Average | VERTICAL |
| 3 | 2425.40 | 111.11 | | | 79.24 | 3.77 | 28.10 | 0.00 | 259 | 201 | Peak | VERTICAL |
| 4 | 2430.20 | 99.52 | | | 67.65 | 3.77 | 28.10 | 0.00 | 259 | 201 | Average | VERTICAL |
| 5 | 2485.80 | 70.79 | 74.00 | -3.21 | 38.95 | 3.82 | 28.02 | 0.00 | 259 | 201 | Peak | VERTICAL |
| 6 | 2485.80 | 52.72 | 54.00 | -1.28 | 20.88 | 3.82 | 28.02 | 0.00 | 259 | 201 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2440.00 | 109.86 | | | 78.00 | 3.79 | 28.07 | 0.00 | 263 | 246 | Peak | VERTICAL |
| 2 | 2445.20 | 98.35 | | | 66.49 | 3.79 | 28.07 | 0.00 | 263 | 246 | Average | VERTICAL |
| 3 | 2485.60 | 52.74 | 54.00 | -1.26 | 20.90 | 3.82 | 28.02 | 0.00 | 263 | 246 | Average | VERTICAL |
| 4 | 2487.20 | 72.41 | 74.00 | -1.59 | 40.57 | 3.82 | 28.02 | 0.00 | 263 | 246 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2389.20 | 49.62 | 54.00 | -4.38 | 17.73 | 3.75 | 28.14 | 0.00 | 14 | 258 | Average | VERTICAL |
| 2 | 2389.80 | 60.10 | 74.00 | -13.90 | 28.21 | 3.75 | 28.14 | 0.00 | 14 | 258 | Peak | VERTICAL |
| 3 | 2411.20 | 114.96 | | | 83.08 | 3.76 | 28.12 | 0.00 | 14 | 258 | Average | VERTICAL |
| 4 | 2413.00 | 118.83 | | | 86.95 | 3.76 | 28.12 | 0.00 | 14 | 258 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2382.60 | 44.43 | 54.00 | -9.57 | 12.53 | 3.73 | 28.17 | 0.00 | 251 | 152 | Average | HORIZONTAL |
| 2 | 2384.20 | 55.57 | 74.00 | -18.43 | 23.67 | 3.73 | 28.17 | 0.00 | 251 | 152 | Peak | HORIZONTAL |
| 3 | 2436.20 | 109.31 | | | 77.44 | 3.77 | 28.10 | 0.00 | 251 | 152 | Peak | HORIZONTAL |
| 4 | 2436.20 | 105.62 | | | 73.75 | 3.77 | 28.10 | 0.00 | 251 | 152 | Average | HORIZONTAL |
| 5 | 2486.30 | 55.37 | 74.00 | -18.63 | 23.53 | 3.82 | 28.02 | 0.00 | 251 | 152 | Peak | HORIZONTAL |
| 6 | 2490.20 | 44.58 | 54.00 | -9.42 | 12.75 | 3.83 | 28.00 | 0.00 | 251 | 152 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2461.20 | 119.63 | | | 87.78 | 3.80 | 28.05 | 0.00 | 9 | 283 | Peak | VERTICAL |
| 2 | 2461.20 | 115.74 | | | 83.89 | 3.80 | 28.05 | 0.00 | 9 | 283 | Average | VERTICAL |
| 3 | 2486.80 | 62.31 | 74.00 | -11.69 | 30.47 | 3.82 | 28.02 | 0.00 | 9 | 283 | Peak | VERTICAL |
| 4 | 2486.80 | 51.93 | 54.00 | -2.07 | 20.09 | 3.82 | 28.02 | 0.00 | 9 | 283 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2390.00 | 68.63 | 74.00 | -5.37 | 36.74 | 3.75 | 28.14 | 0.00 | 15 | 261 | Peak | VERTICAL |
| 2 | 2390.00 | 52.81 | 54.00 | -1.19 | 20.92 | 3.75 | 28.14 | 0.00 | 15 | 261 | Average | VERTICAL |
| 3 | 2412.80 | 106.55 | | | 74.67 | 3.76 | 28.12 | 0.00 | 15 | 261 | Average | VERTICAL |
| 4 | 2413.20 | 116.78 | | | 84.90 | 3.76 | 28.12 | 0.00 | 15 | 261 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2389.80 | 60.74 | 74.00 | -13.26 | 28.85 | 3.75 | 28.14 | 0.00 | 2 | 266 | Peak | VERTICAL |
| 2 | 2390.00 | 46.88 | 54.00 | -7.12 | 14.99 | 3.75 | 28.14 | 0.00 | 2 | 266 | Average | VERTICAL |
| 3 | 2435.80 | 119.81 | | | 87.94 | 3.77 | 28.10 | 0.00 | 2 | 266 | Peak | VERTICAL |
| 4 | 2436.20 | 110.93 | | | 79.06 | 3.77 | 28.10 | 0.00 | 2 | 266 | Average | VERTICAL |
| 5 | 2487.40 | 46.05 | 54.00 | -7.95 | 14.21 | 3.82 | 28.02 | 0.00 | 2 | 266 | Average | VERTICAL |
| 6 | 2489.00 | 58.37 | 74.00 | -15.63 | 26.54 | 3.83 | 28.00 | 0.00 | 2 | 266 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2461.20 | 118.16 | | | 86.31 | 3.80 | 28.05 | 0.00 | 5 | 255 | Peak | VERTICAL |
| 2 | 2461.20 | 107.79 | | | 75.94 | 3.80 | 28.05 | 0.00 | 5 | 255 | Average | VERTICAL |
| 3 | 2483.50 | 68.59 | 74.00 | -5.41 | 36.75 | 3.82 | 28.02 | 0.00 | 5 | 255 | Peak | VERTICAL |
| 4 | 2483.50 | 52.65 | 54.00 | -1.35 | 20.81 | 3.82 | 28.02 | 0.00 | 5 | 255 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2387.60 | 52.96 | 54.00 | -1.04 | 21.07 | 3.75 | 28.14 | 0.00 | 18 | 264 | Average | VERTICAL |
| 2 | 2390.00 | 68.39 | 74.00 | -5.61 | 36.50 | 3.75 | 28.14 | 0.00 | 18 | 264 | Peak | VERTICAL |
| 3 | 2407.60 | 115.45 | | | 83.57 | 3.76 | 28.12 | 0.00 | 18 | 264 | Peak | VERTICAL |
| 4 | 2412.40 | 105.64 | | | 73.76 | 3.76 | 28.12 | 0.00 | 18 | 264 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2390.00 | 58.86 | 74.00 | -15.14 | 26.97 | 3.75 | 28.14 | 0.00 | 253 | 281 | Peak | VERTICAL |
| 2 | 2390.00 | 46.55 | 54.00 | -7.45 | 14.66 | 3.75 | 28.14 | 0.00 | 253 | 281 | Average | VERTICAL |
| 3 | 2435.80 | 119.85 | | | 87.98 | 3.77 | 28.10 | 0.00 | 253 | 281 | Peak | VERTICAL |
| 4 | 2435.80 | 109.62 | | | 77.75 | 3.77 | 28.10 | 0.00 | 253 | 281 | Average | VERTICAL |
| 5 | 2485.40 | 46.67 | 54.00 | -7.33 | 14.83 | 3.82 | 28.02 | 0.00 | 253 | 281 | Average | VERTICAL |
| 6 | 2486.20 | 62.46 | 74.00 | -11.54 | 30.62 | 3.82 | 28.02 | 0.00 | 253 | 281 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2460.40 | 106.75 | | | 74.90 | 3.80 | 28.05 | 0.00 | 260 | 250 | Average | VERTICAL |
| 2 | 2460.80 | 117.33 | | | 85.48 | 3.80 | 28.05 | 0.00 | 260 | 250 | Peak | VERTICAL |
| 3 | 2485.60 | 52.79 | 54.00 | -1.21 | 20.95 | 3.82 | 28.02 | 0.00 | 260 | 250 | Average | VERTICAL |
| 4 | 2486.00 | 69.65 | 74.00 | -4.35 | 37.81 | 3.82 | 28.02 | 0.00 | 260 | 250 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 17, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2382.40 | 52.65 | 54.00 | -1.35 | 20.75 | 3.73 | 28.17 | 0.00 | 11 | 258 | Average | VERTICAL |
| 2 | 2387.60 | 71.52 | 74.00 | -2.48 | 39.63 | 3.75 | 28.14 | 0.00 | 11 | 258 | Peak | VERTICAL |
| 3 | 2427.20 | 110.10 | | | 78.23 | 3.77 | 28.10 | 0.00 | 11 | 258 | Peak | VERTICAL |
| 4 | 2427.20 | 98.83 | | | 66.96 | 3.77 | 28.10 | 0.00 | 11 | 258 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2385.40 | 67.02 | 74.00 | -6.98 | 35.12 | 3.73 | 28.17 | 0.00 | 257 | 242 | Peak | VERTICAL |
| 2 | 2390.00 | 51.51 | 54.00 | -2.49 | 19.62 | 3.75 | 28.14 | 0.00 | 257 | 242 | Average | VERTICAL |
| 3 | 2445.80 | 100.45 | | | 68.59 | 3.79 | 28.07 | 0.00 | 257 | 242 | Average | VERTICAL |
| 4 | 2451.00 | 112.23 | | | 80.37 | 3.79 | 28.07 | 0.00 | 257 | 242 | Peak | VERTICAL |
| 5 | 2485.80 | 70.72 | 74.00 | -3.28 | 38.88 | 3.82 | 28.02 | 0.00 | 257 | 242 | Peak | VERTICAL |
| 6 | 2485.80 | 52.84 | 54.00 | -1.16 | 21.00 | 3.82 | 28.02 | 0.00 | 257 | 242 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 2445.60 | 111.01 | | | 79.15 | 3.79 | 28.07 | 0.00 | 259 | 248 | Peak | VERTICAL |
| 2 | 2445.60 | 99.22 | | | 67.36 | 3.79 | 28.07 | 0.00 | 259 | 248 | Average | VERTICAL |
| 3 | 2486.00 | 69.78 | 74.00 | -4.22 | 37.94 | 3.82 | 28.02 | 0.00 | 259 | 248 | Peak | VERTICAL |
| 4 | 2486.00 | 52.92 | 54.00 | -1.08 | 21.08 | 3.82 | 28.02 | 0.00 | 259 | 248 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

**For Beamforming Mode**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 1 (Set 3 Dipole antenna / 3.83dBi / 2TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.60 | 52.88 | 54.00 | -1.12 | 20.20 | 4.37 | 28.31 | 0.00 | 274 | 207 | Average | VERTICAL |
| 2 | 2389.80 | 66.55 | 74.00 | -7.45 | 33.83 | 4.41 | 28.31 | 0.00 | 274 | 207 | Peak | VERTICAL |
| 3 | 2412.80 | 115.29 | | | 82.54 | 4.41 | 28.34 | 0.00 | 274 | 207 | Peak | VERTICAL |
| 4 | 2413.80 | 106.04 | | | 73.29 | 4.41 | 28.34 | 0.00 | 274 | 207 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.40 | 60.01 | 74.00 | -13.99 | 27.33 | 4.37 | 28.31 | 0.00 | 273 | 328 | Peak | VERTICAL |
| 2 | 2390.00 | 47.69 | 54.00 | -6.31 | 14.97 | 4.41 | 28.31 | 0.00 | 273 | 328 | Average | VERTICAL |
| 3 | 2434.60 | 119.08 | | | 86.26 | 4.44 | 28.38 | 0.00 | 273 | 328 | Peak | VERTICAL |
| 4 | 2435.00 | 109.87 | | | 77.05 | 4.44 | 28.38 | 0.00 | 273 | 328 | Average | VERTICAL |
| 5 | 2486.20 | 60.38 | 74.00 | -13.62 | 27.40 | 4.51 | 28.47 | 0.00 | 273 | 328 | Peak | VERTICAL |
| 6 | 2490.20 | 47.45 | 54.00 | -6.55 | 14.44 | 4.51 | 28.50 | 0.00 | 273 | 328 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2460.20 | 105.58 | | | 72.66 | 4.48 | 28.44 | 0.00 | 292 | 328 | Average | VERTICAL |
| 2 | 2461.20 | 114.80 | | | 81.88 | 4.48 | 28.44 | 0.00 | 292 | 328 | Peak | VERTICAL |
| 3 | 2483.50 | 52.76 | 54.00 | -1.24 | 19.78 | 4.51 | 28.47 | 0.00 | 292 | 328 | Average | VERTICAL |
| 4 | 2483.50 | 68.38 | 74.00 | -5.62 | 35.40 | 4.51 | 28.47 | 0.00 | 292 | 328 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 1 (Set 3 Dipole antenna / 3.83dBi / 2TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2386.00 | 72.36 | 74.00 | -1.64 | 39.68 | 4.37 | 28.31 | 0.00 | 269 | 323 | Peak | VERTICAL |
| 2 | 2390.00 | 52.89 | 54.00 | -1.11 | 20.17 | 4.41 | 28.31 | 0.00 | 269 | 323 | Average | VERTICAL |
| 3 | 2431.20 | 100.61 | | | 67.79 | 4.44 | 28.38 | 0.00 | 269 | 323 | Average | VERTICAL |
| 4 | 2432.40 | 110.47 | | | 77.65 | 4.44 | 28.38 | 0.00 | 269 | 323 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2388.20 | 70.16 | 74.00 | -3.84 | 37.48 | 4.37 | 28.31 | 0.00 | 267 | 325 | Peak | VERTICAL |
| 2 | 2390.00 | 52.88 | 54.00 | -1.12 | 20.16 | 4.41 | 28.31 | 0.00 | 267 | 325 | Average | VERTICAL |
| 3 | 2428.60 | 111.78 | | | 78.96 | 4.44 | 28.38 | 0.00 | 267 | 325 | Peak | VERTICAL |
| 4 | 2429.80 | 101.35 | | | 68.53 | 4.44 | 28.38 | 0.00 | 267 | 325 | Average | VERTICAL |
| 5 | 2483.50 | 51.90 | 54.00 | -2.10 | 18.92 | 4.51 | 28.47 | 0.00 | 267 | 325 | Average | VERTICAL |
| 6 | 2483.80 | 67.99 | 74.00 | -6.01 | 35.01 | 4.51 | 28.47 | 0.00 | 267 | 325 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2434.40 | 101.65 | | | 68.83 | 4.44 | 28.38 | 0.00 | 275 | 307 | Average | VERTICAL |
| 2 | 2442.80 | 111.54 | | | 78.65 | 4.48 | 28.41 | 0.00 | 275 | 307 | Peak | VERTICAL |
| 3 | 2483.50 | 52.97 | 54.00 | -1.03 | 19.99 | 4.51 | 28.47 | 0.00 | 275 | 307 | Average | VERTICAL |
| 4 | 2488.80 | 70.89 | 74.00 | -3.11 | 37.88 | 4.51 | 28.50 | 0.00 | 275 | 307 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 1 (Set 3 Dipole antenna / 3.83dBi / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.60 | 67.76 | 74.00 | -6.24 | 35.08 | 4.37 | 28.31 | 0.00 | 277 | 320 | Peak | VERTICAL |
| 2 | 2390.00 | 52.80 | 54.00 | -1.20 | 20.08 | 4.41 | 28.31 | 0.00 | 277 | 320 | Average | VERTICAL |
| 3 | 2413.20 | 107.63 | | | 74.88 | 4.41 | 28.34 | 0.00 | 277 | 320 | Average | VERTICAL |
| 4 | 2415.40 | 117.51 | | | 84.73 | 4.44 | 28.34 | 0.00 | 277 | 320 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.00 | 62.81 | 74.00 | -11.19 | 30.13 | 4.37 | 28.31 | 0.00 | 275 | 329 | Peak | VERTICAL |
| 2 | 2390.00 | 48.21 | 54.00 | -5.79 | 15.49 | 4.41 | 28.31 | 0.00 | 275 | 329 | Average | VERTICAL |
| 3 | 2435.80 | 111.36 | | | 78.54 | 4.44 | 28.38 | 0.00 | 275 | 329 | Average | VERTICAL |
| 4 | 2437.80 | 120.34 | | | 87.49 | 4.44 | 28.41 | 0.00 | 275 | 329 | Peak | VERTICAL |
| 5 | 2483.50 | 47.74 | 54.00 | -6.26 | 14.76 | 4.51 | 28.47 | 0.00 | 275 | 329 | Average | VERTICAL |
| 6 | 2486.60 | 59.37 | 74.00 | -14.63 | 26.39 | 4.51 | 28.47 | 0.00 | 275 | 329 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2459.00 | 117.49 | | | 84.57 | 4.48 | 28.44 | 0.00 | 296 | 340 | Peak | VERTICAL |
| 2 | 2459.80 | 106.75 | | | 73.83 | 4.48 | 28.44 | 0.00 | 296 | 340 | Average | VERTICAL |
| 3 | 2483.50 | 52.97 | 54.00 | -1.03 | 19.99 | 4.51 | 28.47 | 0.00 | 296 | 340 | Average | VERTICAL |
| 4 | 2484.20 | 68.80 | 74.00 | -5.20 | 35.82 | 4.51 | 28.47 | 0.00 | 296 | 340 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 1 (Set 3 Dipole antenna / 3.83dBi / 3TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2383.20 | 69.79 | 74.00 | -4.21 | 37.14 | 4.37 | 28.28 | 0.00 | 274 | 341 | Peak | VERTICAL |
| 2 | 2390.00 | 52.93 | 54.00 | -1.07 | 20.21 | 4.41 | 28.31 | 0.00 | 274 | 341 | Average | VERTICAL |
| 3 | 2418.80 | 112.56 | | | 79.78 | 4.44 | 28.34 | 0.00 | 274 | 341 | Peak | VERTICAL |
| 4 | 2437.20 | 101.70 | | | 68.85 | 4.44 | 28.41 | 0.00 | 274 | 341 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2379.80 | 59.52 | 74.00 | -14.48 | 26.87 | 4.37 | 28.28 | 0.00 | 295 | 339 | Peak | VERTICAL |
| 2 | 2385.40 | 48.24 | 54.00 | -5.76 | 15.59 | 4.37 | 28.28 | 0.00 | 295 | 339 | Average | VERTICAL |
| 3 | 2447.40 | 101.94 | | | 69.05 | 4.48 | 28.41 | 0.00 | 295 | 339 | Average | VERTICAL |
| 4 | 2447.40 | 112.21 | | | 79.32 | 4.48 | 28.41 | 0.00 | 295 | 339 | Peak | VERTICAL |
| 5 | 2483.80 | 52.77 | 54.00 | -1.23 | 19.79 | 4.51 | 28.47 | 0.00 | 295 | 339 | Average | VERTICAL |
| 6 | 2487.40 | 70.61 | 74.00 | -3.39 | 37.63 | 4.51 | 28.47 | 0.00 | 295 | 339 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2434.80 | 102.36 | | | 69.54 | 4.44 | 28.38 | 0.00 | 274 | 351 | Average | VERTICAL |
| 2 | 2449.20 | 113.45 | | | 80.56 | 4.48 | 28.41 | 0.00 | 274 | 351 | Peak | VERTICAL |
| 3 | 2485.20 | 52.97 | 54.00 | -1.03 | 19.99 | 4.51 | 28.47 | 0.00 | 274 | 351 | Average | VERTICAL |
| 4 | 2486.00 | 69.06 | 74.00 | -4.94 | 36.08 | 4.51 | 28.47 | 0.00 | 274 | 351 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.20 | 52.54 | 54.00 | -1.46 | 19.86 | 4.37 | 28.31 | 0.00 | 272 | 327 | Average | VERTICAL |
| 2 | 2390.00 | 71.06 | 74.00 | -2.94 | 38.34 | 4.41 | 28.31 | 0.00 | 272 | 327 | Peak | VERTICAL |
| 3 | 2410.40 | 117.78 | | | 85.03 | 4.41 | 28.34 | 0.00 | 272 | 327 | Peak | VERTICAL |
| 4 | 2412.60 | 108.00 | | | 75.25 | 4.41 | 28.34 | 0.00 | 272 | 327 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2390.00 | 48.07 | 54.00 | -5.93 | 15.35 | 4.41 | 28.31 | 0.00 | 272 | 326 | Average | VERTICAL |
| 2 | 2390.00 | 62.79 | 74.00 | -11.21 | 30.07 | 4.41 | 28.31 | 0.00 | 272 | 326 | Peak | VERTICAL |
| 3 | 2435.40 | 122.07 | | | 89.25 | 4.44 | 28.38 | 0.00 | 272 | 326 | Peak | VERTICAL |
| 4 | 2435.80 | 112.84 | | | 80.02 | 4.44 | 28.38 | 0.00 | 272 | 326 | Average | VERTICAL |
| 5 | 2483.50 | 47.79 | 54.00 | -6.21 | 14.81 | 4.51 | 28.47 | 0.00 | 272 | 326 | Average | VERTICAL |
| 6 | 2487.00 | 60.87 | 74.00 | -13.13 | 27.89 | 4.51 | 28.47 | 0.00 | 272 | 326 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2457.60 | 118.00 | | | 85.08 | 4.48 | 28.44 | 0.00 | 276 | 330 | Peak | VERTICAL |
| 2 | 2458.80 | 108.38 | | | 75.46 | 4.48 | 28.44 | 0.00 | 276 | 330 | Average | VERTICAL |
| 3 | 2483.50 | 52.69 | 54.00 | -1.31 | 19.71 | 4.51 | 28.47 | 0.00 | 276 | 330 | Average | VERTICAL |
| 4 | 2485.20 | 68.41 | 74.00 | -5.59 | 35.43 | 4.51 | 28.47 | 0.00 | 276 | 330 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2382.40 | 65.63 | 74.00 | -8.37 | 32.98 | 4.37 | 28.28 | 0.00 | 274 | 329 | Peak | VERTICAL |
| 2 | 2389.60 | 52.62 | 54.00 | -1.38 | 19.94 | 4.37 | 28.31 | 0.00 | 274 | 329 | Average | VERTICAL |
| 3 | 2424.00 | 103.55 | | | 70.73 | 4.44 | 28.38 | 0.00 | 274 | 329 | Average | VERTICAL |
| 4 | 2425.20 | 113.30 | | | 80.48 | 4.44 | 28.38 | 0.00 | 274 | 329 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2386.60 | 50.06 | 54.00 | -3.94 | 17.38 | 4.37 | 28.31 | 0.00 | 285 | 307 | Average | VERTICAL |
| 2 | 2390.00 | 63.85 | 74.00 | -10.15 | 31.13 | 4.41 | 28.31 | 0.00 | 285 | 307 | Peak | VERTICAL |
| 3 | 2422.20 | 102.77 | | | 69.95 | 4.44 | 28.38 | 0.00 | 285 | 307 | Average | VERTICAL |
| 4 | 2423.00 | 112.91 | | | 80.09 | 4.44 | 28.38 | 0.00 | 285 | 307 | Peak | VERTICAL |
| 5 | 2485.00 | 52.61 | 54.00 | -1.39 | 19.63 | 4.51 | 28.47 | 0.00 | 285 | 307 | Average | VERTICAL |
| 6 | 2486.20 | 70.27 | 74.00 | -3.73 | 37.29 | 4.51 | 28.47 | 0.00 | 285 | 307 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2453.20 | 111.56 | | | 78.67 | 4.48 | 28.41 | 0.00 | 276 | 340 | Peak | VERTICAL |
| 2 | 2453.60 | 102.94 | | | 70.02 | 4.48 | 28.44 | 0.00 | 276 | 340 | Average | VERTICAL |
| 3 | 2484.40 | 52.55 | 54.00 | -1.45 | 19.57 | 4.51 | 28.47 | 0.00 | 276 | 340 | Average | VERTICAL |
| 4 | 2486.00 | 68.41 | 74.00 | -5.59 | 35.43 | 4.51 | 28.47 | 0.00 | 276 | 340 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*1, (1B)3.93dBi *1 / 2TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.80 | 52.94 | 54.00 | -1.06 | 20.22 | 4.41 | 28.31 | 0.00 | 199 | 133 | Average | HORIZONTAL |
| 2 | 2390.00 | 67.50 | 74.00 | -6.50 | 34.78 | 4.41 | 28.31 | 0.00 | 199 | 133 | Peak | HORIZONTAL |
| 3 | 2414.40 | 113.66 | | | 80.91 | 4.41 | 28.34 | 0.00 | 199 | 133 | Peak | HORIZONTAL |
| 4 | 2415.20 | 105.19 | | | 72.44 | 4.41 | 28.34 | 0.00 | 199 | 133 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2388.60 | 62.37 | 74.00 | -11.63 | 29.69 | 4.37 | 28.31 | 0.00 | 251 | 302 | Peak | HORIZONTAL |
| 2 | 2390.00 | 48.06 | 54.00 | -5.94 | 15.34 | 4.41 | 28.31 | 0.00 | 251 | 302 | Average | HORIZONTAL |
| 3 | 2438.20 | 105.58 | | | 72.73 | 4.44 | 28.41 | 0.00 | 251 | 302 | Average | HORIZONTAL |
| 4 | 2438.60 | 115.93 | | | 83.08 | 4.44 | 28.41 | 0.00 | 251 | 302 | Peak | HORIZONTAL |
| 5 | 2483.50 | 47.17 | 54.00 | -6.83 | 14.19 | 4.51 | 28.47 | 0.00 | 251 | 302 | Average | HORIZONTAL |
| 6 | 2484.60 | 59.01 | 74.00 | -14.99 | 26.03 | 4.51 | 28.47 | 0.00 | 251 | 302 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2470.20 | 109.48 | | | 76.53 | 4.51 | 28.44 | 0.00 | 200 | 212 | Peak | HORIZONTAL |
| 2 | 2470.40 | 100.54 | | | 67.59 | 4.51 | 28.44 | 0.00 | 200 | 212 | Average | HORIZONTAL |
| 3 | 2483.50 | 72.65 | 74.00 | -1.35 | 39.67 | 4.51 | 28.47 | 0.00 | 200 | 212 | Peak | HORIZONTAL |
| 4 | 2483.80 | 52.98 | 54.00 | -1.02 | 20.00 | 4.51 | 28.47 | 0.00 | 200 | 212 | Average | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*1, (1B)3.93dBi *1 / 2TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2385.60 | 70.63 | 74.00 | -3.37 | 37.95 | 4.37 | 28.31 | 0.00 | 257 | 146 | Peak | HORIZONTAL |
| 2 | 2388.80 | 52.74 | 54.00 | -1.26 | 20.06 | 4.37 | 28.31 | 0.00 | 257 | 146 | Average | HORIZONTAL |
| 3 | 2416.40 | 110.07 | | | 77.29 | 4.44 | 28.34 | 0.00 | 257 | 146 | Peak | HORIZONTAL |
| 4 | 2426.00 | 98.67 | | | 65.85 | 4.44 | 28.38 | 0.00 | 257 | 146 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2388.60 | 52.97 | 54.00 | -1.03 | 20.29 | 4.37 | 28.31 | 0.00 | 214 | 114 | Average | VERTICAL |
| 2 | 2388.60 | 69.97 | 74.00 | -4.03 | 37.29 | 4.37 | 28.31 | 0.00 | 214 | 114 | Peak | VERTICAL |
| 3 | 2419.80 | 100.47 | | | 67.65 | 4.44 | 28.38 | 0.00 | 214 | 114 | Average | VERTICAL |
| 4 | 2420.60 | 109.73 | | | 76.91 | 4.44 | 28.38 | 0.00 | 214 | 114 | Peak | VERTICAL |
| 5 | 2483.50 | 52.86 | 54.00 | -1.14 | 19.88 | 4.51 | 28.47 | 0.00 | 214 | 114 | Average | VERTICAL |
| 6 | 2483.50 | 69.95 | 74.00 | -4.05 | 36.97 | 4.51 | 28.47 | 0.00 | 214 | 114 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2437.60 | 98.22 | | | 65.37 | 4.44 | 28.41 | 0.00 | 243 | 307 | Average | HORIZONTAL |
| 2 | 2438.40 | 108.63 | | | 75.78 | 4.44 | 28.41 | 0.00 | 243 | 307 | Peak | HORIZONTAL |
| 3 | 2484.80 | 52.55 | 54.00 | -1.45 | 19.57 | 4.51 | 28.47 | 0.00 | 243 | 307 | Average | HORIZONTAL |
| 4 | 2486.40 | 67.90 | 74.00 | -6.10 | 34.92 | 4.51 | 28.47 | 0.00 | 243 | 307 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.00 | 52.61 | 54.00 | -1.39 | 19.93 | 4.37 | 28.31 | 0.00 | 258 | 154 | Average | HORIZONTAL |
| 2 | 2390.00 | 65.68 | 74.00 | -8.32 | 32.96 | 4.41 | 28.31 | 0.00 | 258 | 154 | Peak | HORIZONTAL |
| 3 | 2413.00 | 113.62 | | | 80.87 | 4.41 | 28.34 | 0.00 | 258 | 154 | Peak | HORIZONTAL |
| 4 | 2414.40 | 104.45 | | | 71.70 | 4.41 | 28.34 | 0.00 | 258 | 154 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.80 | 60.96 | 74.00 | -13.04 | 28.24 | 4.41 | 28.31 | 0.00 | 177 | 196 | Peak | VERTICAL |
| 2 | 2390.00 | 46.80 | 54.00 | -7.20 | 14.08 | 4.41 | 28.31 | 0.00 | 177 | 196 | Average | VERTICAL |
| 3 | 2438.20 | 117.90 | | | 85.05 | 4.44 | 28.41 | 0.00 | 177 | 196 | Peak | VERTICAL |
| 4 | 2439.00 | 107.43 | | | 74.58 | 4.44 | 28.41 | 0.00 | 177 | 196 | Average | VERTICAL |
| 5 | 2490.20 | 47.65 | 54.00 | -6.35 | 14.64 | 4.51 | 28.50 | 0.00 | 177 | 196 | Average | VERTICAL |
| 6 | 2511.40 | 59.14 | 74.00 | -14.86 | 26.03 | 4.55 | 28.56 | 0.00 | 177 | 196 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2460.20 | 117.12 | | | 84.20 | 4.48 | 28.44 | 0.00 | 185 | 51 | Peak | VERTICAL |
| 2 | 2460.60 | 105.88 | | | 72.96 | 4.48 | 28.44 | 0.00 | 185 | 51 | Average | VERTICAL |
| 3 | 2483.50 | 52.79 | 54.00 | -1.21 | 19.81 | 4.51 | 28.47 | 0.00 | 185 | 51 | Average | VERTICAL |
| 4 | 2483.50 | 69.00 | 74.00 | -5.00 | 36.02 | 4.51 | 28.47 | 0.00 | 185 | 51 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 / 3TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2386.40 | 70.13 | 74.00 | -3.87 | 37.45 | 4.37 | 28.31 | 0.00 | 261 | 131 | Peak | HORIZONTAL |
| 2 | 2390.00 | 52.93 | 54.00 | -1.07 | 20.21 | 4.41 | 28.31 | 0.00 | 261 | 131 | Average | HORIZONTAL |
| 3 | 2412.40 | 108.84 | | | 76.09 | 4.41 | 28.34 | 0.00 | 261 | 131 | Peak | HORIZONTAL |
| 4 | 2429.20 | 98.80 | | | 65.98 | 4.44 | 28.38 | 0.00 | 261 | 131 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2387.40 | 72.32 | 74.00 | -1.68 | 39.64 | 4.37 | 28.31 | 0.00 | 171 | 138 | Peak | VERTICAL |
| 2 | 2390.00 | 52.71 | 54.00 | -1.29 | 19.99 | 4.41 | 28.31 | 0.00 | 171 | 138 | Average | VERTICAL |
| 3 | 2419.40 | 105.15 | | | 72.37 | 4.44 | 28.34 | 0.00 | 171 | 138 | Average | VERTICAL |
| 4 | 2419.80 | 114.65 | | | 81.83 | 4.44 | 28.38 | 0.00 | 171 | 138 | Peak | VERTICAL |
| 5 | 2486.20 | 69.51 | 74.00 | -4.49 | 36.53 | 4.51 | 28.47 | 0.00 | 171 | 138 | Peak | VERTICAL |
| 6 | 2487.40 | 51.33 | 54.00 | -2.67 | 18.35 | 4.51 | 28.47 | 0.00 | 171 | 138 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2462.80 | 111.57 | | | 78.65 | 4.48 | 28.44 | 0.00 | 174 | 126 | Peak | VERTICAL |
| 2 | 2464.80 | 101.31 | | | 68.39 | 4.48 | 28.44 | 0.00 | 174 | 126 | Average | VERTICAL |
| 3 | 2488.40 | 71.48 | 74.00 | -2.52 | 38.47 | 4.51 | 28.50 | 0.00 | 174 | 126 | Peak | VERTICAL |
| 4 | 2493.80 | 52.98 | 54.00 | -1.02 | 19.93 | 4.55 | 28.50 | 0.00 | 174 | 126 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.60 | 52.96 | 54.00 | -1.04 | 20.28 | 4.37 | 28.31 | 0.00 | 201 | 45 | Average | HORIZONTAL |
| 2 | 2390.00 | 70.32 | 74.00 | -3.68 | 37.60 | 4.41 | 28.31 | 0.00 | 201 | 45 | Peak | HORIZONTAL |
| 3 | 2413.80 | 104.78 | | | 72.03 | 4.41 | 28.34 | 0.00 | 201 | 45 | Average | HORIZONTAL |
| 4 | 2414.00 | 114.77 | | | 82.02 | 4.41 | 28.34 | 0.00 | 201 | 45 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2384.20 | 60.00 | 74.00 | -14.00 | 27.35 | 4.37 | 28.28 | 0.00 | 177 | 202 | Peak | VERTICAL |
| 2 | 2390.00 | 47.02 | 54.00 | -6.98 | 14.30 | 4.41 | 28.31 | 0.00 | 177 | 202 | Average | VERTICAL |
| 3 | 2437.00 | 119.92 | | | 87.07 | 4.44 | 28.41 | 0.00 | 177 | 202 | Peak | VERTICAL |
| 4 | 2438.60 | 110.61 | | | 77.76 | 4.44 | 28.41 | 0.00 | 177 | 202 | Average | VERTICAL |
| 5 | 2489.10 | 48.25 | 54.00 | -5.75 | 15.24 | 4.51 | 28.50 | 0.00 | 177 | 202 | Average | VERTICAL |
| 6 | 2491.00 | 59.02 | 74.00 | -14.98 | 26.01 | 4.51 | 28.50 | 0.00 | 177 | 202 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2460.40 | 107.79 | | | 74.87 | 4.48 | 28.44 | 0.00 | 184 | 39 | Average | VERTICAL |
| 2 | 2461.00 | 117.37 | | | 84.45 | 4.48 | 28.44 | 0.00 | 184 | 39 | Peak | VERTICAL |
| 3 | 2483.50 | 52.97 | 54.00 | -1.03 | 19.99 | 4.51 | 28.47 | 0.00 | 184 | 39 | Average | VERTICAL |
| 4 | 2484.00 | 72.69 | 74.00 | -1.31 | 39.71 | 4.51 | 28.47 | 0.00 | 184 | 39 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2385.20 | 64.96 | 74.00 | -9.04 | 32.31 | 4.37 | 28.28 | 0.00 | 193 | 63 | Peak | HORIZONTAL |
| 2 | 2389.20 | 52.85 | 54.00 | -1.15 | 20.17 | 4.37 | 28.31 | 0.00 | 193 | 63 | Average | HORIZONTAL |
| 3 | 2410.00 | 111.38 | | | 78.63 | 4.41 | 28.34 | 0.00 | 193 | 63 | Peak | HORIZONTAL |
| 4 | 2417.20 | 99.08 | | | 66.30 | 4.44 | 28.34 | 0.00 | 193 | 63 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2388.60 | 71.91 | 74.00 | -2.09 | 39.23 | 4.37 | 28.31 | 0.00 | 171 | 117 | Peak | VERTICAL |
| 2 | 2390.00 | 52.99 | 54.00 | -1.01 | 20.27 | 4.41 | 28.31 | 0.00 | 171 | 117 | Average | VERTICAL |
| 3 | 2419.80 | 106.11 | | | 73.29 | 4.44 | 28.38 | 0.00 | 171 | 117 | Average | VERTICAL |
| 4 | 2419.80 | 114.67 | | | 81.85 | 4.44 | 28.38 | 0.00 | 171 | 117 | Peak | VERTICAL |
| 5 | 2487.80 | 51.59 | 54.00 | -2.41 | 18.58 | 4.51 | 28.50 | 0.00 | 171 | 117 | Average | VERTICAL |
| 6 | 2489.40 | 66.66 | 74.00 | -7.34 | 33.65 | 4.51 | 28.50 | 0.00 | 171 | 117 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2465.20 | 101.21 | | | 68.29 | 4.48 | 28.44 | 0.00 | 175 | 128 | Average | VERTICAL |
| 2 | 2467.20 | 111.72 | | | 78.77 | 4.51 | 28.44 | 0.00 | 175 | 128 | Peak | VERTICAL |
| 3 | 2484.40 | 70.40 | 74.00 | -3.60 | 37.42 | 4.51 | 28.47 | 0.00 | 175 | 128 | Peak | VERTICAL |
| 4 | 2488.40 | 52.91 | 54.00 | -1.09 | 19.90 | 4.51 | 28.50 | 0.00 | 175 | 128 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 22, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 4.03dBi / 2TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2388.60 | 71.12 | 74.00 | -2.88 | 38.44 | 4.37 | 28.31 | 0.00 | 159 | 325 | Peak | VERTICAL |
| 2 | 2390.00 | 52.93 | 54.00 | -1.07 | 20.21 | 4.41 | 28.31 | 0.00 | 159 | 325 | Average | VERTICAL |
| 3 | 2409.20 | 116.47 | | | 83.72 | 4.41 | 28.34 | 0.00 | 159 | 325 | Peak | VERTICAL |
| 4 | 2410.00 | 106.68 | | | 73.93 | 4.41 | 28.34 | 0.00 | 159 | 325 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.00 | 60.96 | 74.00 | -13.04 | 28.28 | 4.37 | 28.31 | 0.00 | 170 | 27 | Peak | VERTICAL |
| 2 | 2390.00 | 47.98 | 54.00 | -6.02 | 15.26 | 4.41 | 28.31 | 0.00 | 170 | 27 | Average | VERTICAL |
| 3 | 2439.00 | 110.58 | | | 77.73 | 4.44 | 28.41 | 0.00 | 170 | 27 | Average | VERTICAL |
| 4 | 2439.80 | 120.08 | | | 87.23 | 4.44 | 28.41 | 0.00 | 170 | 27 | Peak | VERTICAL |
| 5 | 2484.20 | 47.67 | 54.00 | -6.33 | 14.69 | 4.51 | 28.47 | 0.00 | 170 | 27 | Average | VERTICAL |
| 6 | 2485.00 | 59.13 | 74.00 | -14.87 | 26.15 | 4.51 | 28.47 | 0.00 | 170 | 27 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2460.60 | 116.15 | | | 83.23 | 4.48 | 28.44 | 0.00 | 194 | 324 | Peak | VERTICAL |
| 2 | 2461.20 | 105.95 | | | 73.03 | 4.48 | 28.44 | 0.00 | 194 | 324 | Average | VERTICAL |
| 3 | 2483.50 | 52.86 | 54.00 | -1.14 | 19.88 | 4.51 | 28.47 | 0.00 | 194 | 324 | Average | VERTICAL |
| 4 | 2484.40 | 70.61 | 74.00 | -3.39 | 37.63 | 4.51 | 28.47 | 0.00 | 194 | 324 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 13, 2015 ~ Oct. 14, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 4.03dBi / 2TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2381.20 | 67.19 | 74.00 | -6.81 | 34.54 | 4.37 | 28.28 | 0.00 | 157 | 327 | Peak | VERTICAL |
| 2 | 2390.00 | 52.97 | 54.00 | -1.03 | 20.25 | 4.41 | 28.31 | 0.00 | 157 | 327 | Average | VERTICAL |
| 3 | 2407.20 | 101.05 | | | 68.30 | 4.41 | 28.34 | 0.00 | 157 | 327 | Average | VERTICAL |
| 4 | 2412.80 | 111.80 | | | 79.05 | 4.41 | 28.34 | 0.00 | 157 | 327 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2390.00 | 51.84 | 54.00 | -2.16 | 19.12 | 4.41 | 28.31 | 0.00 | 171 | 20 | Average | VERTICAL |
| 2 | 2390.00 | 66.29 | 74.00 | -7.71 | 33.57 | 4.41 | 28.31 | 0.00 | 171 | 20 | Peak | VERTICAL |
| 3 | 2444.20 | 110.94 | | | 78.05 | 4.48 | 28.41 | 0.00 | 171 | 20 | Peak | VERTICAL |
| 4 | 2451.40 | 102.14 | | | 69.25 | 4.48 | 28.41 | 0.00 | 171 | 20 | Average | VERTICAL |
| 5 | 2484.20 | 52.56 | 54.00 | -1.44 | 19.58 | 4.51 | 28.47 | 0.00 | 171 | 20 | Average | VERTICAL |
| 6 | 2484.20 | 68.03 | 74.00 | -5.97 | 35.05 | 4.51 | 28.47 | 0.00 | 171 | 20 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2444.40 | 101.67 | | | 68.78 | 4.48 | 28.41 | 0.00 | 154 | 14 | Average | VERTICAL |
| 2 | 2449.20 | 112.49 | | | 79.60 | 4.48 | 28.41 | 0.00 | 154 | 14 | Peak | VERTICAL |
| 3 | 2483.50 | 52.36 | 54.00 | -1.64 | 19.38 | 4.51 | 28.47 | 0.00 | 154 | 14 | Average | VERTICAL |
| 4 | 2492.80 | 69.66 | 74.00 | -4.34 | 36.61 | 4.55 | 28.50 | 0.00 | 154 | 14 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 12, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 4.03dBi / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.20 | 70.88 | 74.00 | -3.12 | 38.20 | 4.37 | 28.31 | 0.00 | 157 | 324 | Peak | VERTICAL |
| 2 | 2390.00 | 52.47 | 54.00 | -1.53 | 19.75 | 4.41 | 28.31 | 0.00 | 157 | 324 | Average | VERTICAL |
| 3 | 2408.80 | 118.02 | | | 85.27 | 4.41 | 28.34 | 0.00 | 157 | 324 | Peak | VERTICAL |
| 4 | 2410.80 | 108.17 | | | 75.42 | 4.41 | 28.34 | 0.00 | 157 | 324 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.80 | 49.32 | 54.00 | -4.68 | 16.60 | 4.41 | 28.31 | 0.00 | 151 | 24 | Average | VERTICAL |
| 2 | 2390.00 | 63.01 | 74.00 | -10.99 | 30.29 | 4.41 | 28.31 | 0.00 | 151 | 24 | Peak | VERTICAL |
| 3 | 2433.80 | 122.98 | | | 90.16 | 4.44 | 28.38 | 0.00 | 151 | 24 | Peak | VERTICAL |
| 4 | 2438.60 | 113.63 | | | 80.78 | 4.44 | 28.41 | 0.00 | 151 | 24 | Average | VERTICAL |
| 5 | 2483.50 | 48.05 | 54.00 | -5.95 | 15.07 | 4.51 | 28.47 | 0.00 | 151 | 24 | Average | VERTICAL |
| 6 | 2486.20 | 59.57 | 74.00 | -14.43 | 26.59 | 4.51 | 28.47 | 0.00 | 151 | 24 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2459.60 | 108.67 | | | 75.75 | 4.48 | 28.44 | 0.00 | 163 | 337 | Average | VERTICAL |
| 2 | 2459.60 | 117.84 | | | 84.92 | 4.48 | 28.44 | 0.00 | 163 | 337 | Peak | VERTICAL |
| 3 | 2483.80 | 52.57 | 54.00 | -1.43 | 19.59 | 4.51 | 28.47 | 0.00 | 163 | 337 | Average | VERTICAL |
| 4 | 2484.60 | 72.86 | 74.00 | -1.14 | 39.88 | 4.51 | 28.47 | 0.00 | 163 | 337 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 12, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 4.03dBi / 3TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2387.20 | 66.12 | 74.00 | -7.88 | 33.44 | 4.37 | 28.31 | 0.00 | 157 | 325 | Peak | VERTICAL |
| 2 | 2390.00 | 52.99 | 54.00 | -1.01 | 20.27 | 4.41 | 28.31 | 0.00 | 157 | 325 | Average | VERTICAL |
| 3 | 2408.00 | 102.30 | | | 69.55 | 4.41 | 28.34 | 0.00 | 157 | 325 | Average | VERTICAL |
| 4 | 2416.00 | 111.72 | | | 78.94 | 4.44 | 28.34 | 0.00 | 157 | 325 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.00 | 67.42 | 74.00 | -6.58 | 34.74 | 4.37 | 28.31 | 0.00 | 142 | 336 | Peak | VERTICAL |
| 2 | 2390.00 | 52.36 | 54.00 | -1.64 | 19.64 | 4.41 | 28.31 | 0.00 | 142 | 336 | Average | VERTICAL |
| 3 | 2422.60 | 103.57 | | | 70.75 | 4.44 | 28.38 | 0.00 | 142 | 336 | Average | VERTICAL |
| 4 | 2426.60 | 112.80 | | | 79.98 | 4.44 | 28.38 | 0.00 | 142 | 336 | Peak | VERTICAL |
| 5 | 2483.50 | 52.97 | 54.00 | -1.03 | 19.99 | 4.51 | 28.47 | 0.00 | 142 | 336 | Average | VERTICAL |
| 6 | 2483.50 | 70.75 | 74.00 | -3.25 | 37.77 | 4.51 | 28.47 | 0.00 | 142 | 336 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2443.60 | 103.71 | | | 70.82 | 4.48 | 28.41 | 0.00 | 171 | 21 | Average | VERTICAL |
| 2 | 2443.60 | 113.73 | | | 80.84 | 4.48 | 28.41 | 0.00 | 171 | 21 | Peak | VERTICAL |
| 3 | 2483.50 | 52.68 | 54.00 | -1.32 | 19.70 | 4.51 | 28.47 | 0.00 | 171 | 21 | Average | VERTICAL |
| 4 | 2483.50 | 67.40 | 74.00 | -6.60 | 34.42 | 4.51 | 28.47 | 0.00 | 171 | 21 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 13, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.80 | 52.65 | 54.00 | -1.35 | 19.93 | 4.41 | 28.31 | 0.00 | 152 | 338 | Average | VERTICAL |
| 2 | 2389.80 | 69.83 | 74.00 | -4.17 | 37.11 | 4.41 | 28.31 | 0.00 | 152 | 338 | Peak | VERTICAL |
| 3 | 2410.80 | 109.02 | | | 76.27 | 4.41 | 28.34 | 0.00 | 152 | 338 | Average | VERTICAL |
| 4 | 2412.00 | 119.29 | | | 86.54 | 4.41 | 28.34 | 0.00 | 152 | 338 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2387.80 | 64.54 | 74.00 | -9.46 | 31.86 | 4.37 | 28.31 | 0.00 | 163 | 10 | Peak | VERTICAL |
| 2 | 2389.40 | 48.76 | 54.00 | -5.24 | 16.08 | 4.37 | 28.31 | 0.00 | 163 | 10 | Average | VERTICAL |
| 3 | 2435.80 | 113.07 | | | 80.25 | 4.44 | 28.38 | 0.00 | 163 | 10 | Average | VERTICAL |
| 4 | 2437.00 | 124.05 | | | 91.20 | 4.44 | 28.41 | 0.00 | 163 | 10 | Peak | VERTICAL |
| 5 | 2483.50 | 48.62 | 54.00 | -5.38 | 15.64 | 4.51 | 28.47 | 0.00 | 163 | 10 | Average | VERTICAL |
| 6 | 2483.50 | 63.16 | 74.00 | -10.84 | 30.18 | 4.51 | 28.47 | 0.00 | 163 | 10 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2461.00 | 107.71 | | | 74.79 | 4.48 | 28.44 | 0.00 | 172 | 305 | Average | VERTICAL |
| 2 | 2464.40 | 117.66 | | | 84.74 | 4.48 | 28.44 | 0.00 | 172 | 305 | Peak | VERTICAL |
| 3 | 2483.50 | 52.66 | 54.00 | -1.34 | 19.68 | 4.51 | 28.47 | 0.00 | 172 | 305 | Average | VERTICAL |
| 4 | 2484.00 | 71.09 | 74.00 | -2.91 | 38.11 | 4.51 | 28.47 | 0.00 | 172 | 305 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 13, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2387.60 | 67.29 | 74.00 | -6.71 | 34.61 | 4.37 | 28.31 | 0.00 | 160 | 331 | Peak | VERTICAL |
| 2 | 2390.00 | 52.68 | 54.00 | -1.32 | 19.96 | 4.41 | 28.31 | 0.00 | 160 | 331 | Average | VERTICAL |
| 3 | 2409.60 | 114.65 | | | 81.90 | 4.41 | 28.34 | 0.00 | 160 | 331 | Peak | VERTICAL |
| 4 | 2416.00 | 103.57 | | | 70.79 | 4.44 | 28.34 | 0.00 | 160 | 331 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.40 | 66.71 | 74.00 | -7.29 | 34.03 | 4.37 | 28.31 | 0.00 | 165 | 336 | Peak | VERTICAL |
| 2 | 2390.00 | 52.99 | 54.00 | -1.01 | 20.27 | 4.41 | 28.31 | 0.00 | 165 | 336 | Average | VERTICAL |
| 3 | 2423.40 | 104.95 | | | 72.13 | 4.44 | 28.38 | 0.00 | 165 | 336 | Average | VERTICAL |
| 4 | 2425.00 | 114.53 | | | 81.71 | 4.44 | 28.38 | 0.00 | 165 | 336 | Peak | VERTICAL |
| 5 | 2483.50 | 52.49 | 54.00 | -1.51 | 19.51 | 4.51 | 28.47 | 0.00 | 165 | 336 | Average | VERTICAL |
| 6 | 2484.20 | 70.74 | 74.00 | -3.26 | 37.76 | 4.51 | 28.47 | 0.00 | 165 | 336 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2446.00 | 113.95 | | | 81.06 | 4.48 | 28.41 | 0.00 | 161 | 9 | Peak | VERTICAL |
| 2 | 2446.40 | 103.76 | | | 70.87 | 4.48 | 28.41 | 0.00 | 161 | 9 | Average | VERTICAL |
| 3 | 2483.50 | 52.97 | 54.00 | -1.03 | 19.99 | 4.51 | 28.47 | 0.00 | 161 | 9 | Average | VERTICAL |
| 4 | 2489.20 | 71.26 | 74.00 | -2.74 | 38.25 | 4.51 | 28.50 | 0.00 | 161 | 9 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 2TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.40 | 67.74 | 74.00 | -6.26 | 35.06 | 4.37 | 28.31 | 0.00 | 138 | 30 | Peak | VERTICAL |
| 2 | 2390.00 | 52.96 | 54.00 | -1.04 | 20.24 | 4.41 | 28.31 | 0.00 | 138 | 30 | Average | VERTICAL |
| 3 | 2413.80 | 103.85 | | | 71.10 | 4.41 | 28.34 | 0.00 | 138 | 30 | Average | VERTICAL |
| 4 | 2414.00 | 112.50 | | | 79.75 | 4.41 | 28.34 | 0.00 | 138 | 30 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.00 | 46.03 | 54.00 | -7.97 | 13.35 | 4.37 | 28.31 | 0.00 | 273 | 360 | Average | VERTICAL |
| 2 | 2389.00 | 59.25 | 74.00 | -14.75 | 26.57 | 4.37 | 28.31 | 0.00 | 273 | 360 | Peak | VERTICAL |
| 3 | 2437.80 | 106.75 | | | 73.90 | 4.44 | 28.41 | 0.00 | 273 | 360 | Average | VERTICAL |
| 4 | 2438.60 | 115.75 | | | 82.90 | 4.44 | 28.41 | 0.00 | 273 | 360 | Peak | VERTICAL |
| 5 | 2483.50 | 46.30 | 54.00 | -7.70 | 13.32 | 4.51 | 28.47 | 0.00 | 273 | 360 | Average | VERTICAL |
| 6 | 2485.40 | 57.88 | 74.00 | -16.12 | 24.90 | 4.51 | 28.47 | 0.00 | 273 | 360 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2460.40 | 103.75 | | | 70.83 | 4.48 | 28.44 | 0.00 | 223 | 360 | Average | HORIZONTAL |
| 2 | 2461.40 | 113.41 | | | 80.49 | 4.48 | 28.44 | 0.00 | 223 | 360 | Peak | HORIZONTAL |
| 3 | 2483.50 | 52.94 | 54.00 | -1.06 | 19.96 | 4.51 | 28.47 | 0.00 | 223 | 360 | Average | HORIZONTAL |
| 4 | 2485.60 | 70.65 | 74.00 | -3.35 | 37.67 | 4.51 | 28.47 | 0.00 | 223 | 360 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 2TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2386.80 | 52.92 | 54.00 | -1.08 | 20.24 | 4.37 | 28.31 | 0.00 | 125 | 24 | Average | HORIZONTAL |
| 2 | 2390.00 | 72.77 | 74.00 | -1.23 | 40.05 | 4.41 | 28.31 | 0.00 | 125 | 24 | Peak | HORIZONTAL |
| 3 | 2405.60 | 110.77 | | | 78.02 | 4.41 | 28.34 | 0.00 | 125 | 24 | Peak | HORIZONTAL |
| 4 | 2406.40 | 101.07 | | | 68.32 | 4.41 | 28.34 | 0.00 | 125 | 24 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2387.20 | 64.05 | 74.00 | -9.95 | 31.37 | 4.37 | 28.31 | 0.00 | 158 | 340 | Peak | HORIZONTAL |
| 2 | 2390.00 | 52.94 | 54.00 | -1.06 | 20.22 | 4.41 | 28.31 | 0.00 | 158 | 340 | Average | HORIZONTAL |
| 3 | 2423.20 | 102.04 | | | 69.22 | 4.44 | 28.38 | 0.00 | 158 | 340 | Average | HORIZONTAL |
| 4 | 2423.20 | 110.68 | | | 77.86 | 4.44 | 28.38 | 0.00 | 158 | 340 | Peak | HORIZONTAL |
| 5 | 2483.50 | 50.57 | 54.00 | -3.43 | 17.59 | 4.51 | 28.47 | 0.00 | 158 | 340 | Average | HORIZONTAL |
| 6 | 2485.00 | 62.71 | 74.00 | -11.29 | 29.73 | 4.51 | 28.47 | 0.00 | 158 | 340 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2441.60 | 108.60 | | | 75.71 | 4.48 | 28.41 | 0.00 | 259 | 355 | Peak | HORIZONTAL |
| 2 | 2446.00 | 98.14 | | | 65.25 | 4.48 | 28.41 | 0.00 | 259 | 355 | Average | HORIZONTAL |
| 3 | 2483.50 | 52.37 | 54.00 | -1.63 | 19.39 | 4.51 | 28.47 | 0.00 | 259 | 355 | Average | HORIZONTAL |
| 4 | 2487.60 | 67.74 | 74.00 | -6.26 | 34.73 | 4.51 | 28.50 | 0.00 | 259 | 355 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.00 | 70.85 | 74.00 | -3.15 | 38.17 | 4.37 | 28.31 | 0.00 | 170 | 13 | Peak | VERTICAL |
| 2 | 2390.00 | 52.64 | 54.00 | -1.36 | 19.92 | 4.41 | 28.31 | 0.00 | 170 | 13 | Average | VERTICAL |
| 3 | 2409.00 | 116.19 | | | 83.44 | 4.41 | 28.34 | 0.00 | 170 | 13 | Peak | VERTICAL |
| 4 | 2409.40 | 106.96 | | | 74.21 | 4.41 | 28.34 | 0.00 | 170 | 13 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.40 | 62.65 | 74.00 | -11.35 | 29.97 | 4.37 | 28.31 | 0.00 | 207 | 354 | Peak | HORIZONTAL |
| 2 | 2390.00 | 48.55 | 54.00 | -5.45 | 15.83 | 4.41 | 28.31 | 0.00 | 207 | 354 | Average | HORIZONTAL |
| 3 | 2435.80 | 110.22 | | | 77.40 | 4.44 | 28.38 | 0.00 | 207 | 354 | Average | HORIZONTAL |
| 4 | 2439.00 | 119.32 | | | 86.47 | 4.44 | 28.41 | 0.00 | 207 | 354 | Peak | HORIZONTAL |
| 5 | 2483.80 | 47.38 | 54.00 | -6.62 | 14.40 | 4.51 | 28.47 | 0.00 | 207 | 354 | Average | HORIZONTAL |
| 6 | 2483.80 | 59.22 | 74.00 | -14.78 | 26.24 | 4.51 | 28.47 | 0.00 | 207 | 354 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2460.00 | 115.45 | | | 82.53 | 4.48 | 28.44 | 0.00 | 226 | 360 | Peak | HORIZONTAL |
| 2 | 2460.40 | 106.80 | | | 73.88 | 4.48 | 28.44 | 0.00 | 226 | 360 | Average | HORIZONTAL |
| 3 | 2483.50 | 52.67 | 54.00 | -1.33 | 19.69 | 4.51 | 28.47 | 0.00 | 226 | 360 | Average | HORIZONTAL |
| 4 | 2483.80 | 68.48 | 74.00 | -5.52 | 35.50 | 4.51 | 28.47 | 0.00 | 226 | 360 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 3TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2386.40 | 65.64 | 74.00 | -8.36 | 32.96 | 4.37 | 28.31 | 0.00 | 169 | 4 | Peak | VERTICAL |
| 2 | 2388.80 | 52.28 | 54.00 | -1.72 | 19.60 | 4.37 | 28.31 | 0.00 | 169 | 4 | Average | VERTICAL |
| 3 | 2404.40 | 102.36 | | | 69.61 | 4.41 | 28.34 | 0.00 | 169 | 4 | Average | VERTICAL |
| 4 | 2407.60 | 111.75 | | | 79.00 | 4.41 | 28.34 | 0.00 | 169 | 4 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2381.80 | 64.52 | 74.00 | -9.48 | 31.87 | 4.37 | 28.28 | 0.00 | 140 | 12 | Peak | VERTICAL |
| 2 | 2389.00 | 51.30 | 54.00 | -2.70 | 18.62 | 4.37 | 28.31 | 0.00 | 140 | 12 | Average | VERTICAL |
| 3 | 2422.60 | 111.73 | | | 78.91 | 4.44 | 28.38 | 0.00 | 140 | 12 | Peak | VERTICAL |
| 4 | 2423.40 | 102.44 | | | 69.62 | 4.44 | 28.38 | 0.00 | 140 | 12 | Average | VERTICAL |
| 5 | 2483.50 | 65.95 | 74.00 | -8.05 | 32.97 | 4.51 | 28.47 | 0.00 | 140 | 12 | Peak | VERTICAL |
| 6 | 2484.20 | 52.70 | 54.00 | -1.30 | 19.72 | 4.51 | 28.47 | 0.00 | 140 | 12 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2440.40 | 100.58 | | | 67.73 | 4.44 | 28.41 | 0.00 | 197 | 10 | Average | HORIZONTAL |
| 2 | 2441.60 | 110.09 | | | 77.20 | 4.48 | 28.41 | 0.00 | 197 | 10 | Peak | HORIZONTAL |
| 3 | 2483.50 | 52.74 | 54.00 | -1.26 | 19.76 | 4.51 | 28.47 | 0.00 | 197 | 10 | Average | HORIZONTAL |
| 4 | 2488.00 | 67.05 | 74.00 | -6.95 | 34.04 | 4.51 | 28.50 | 0.00 | 197 | 10 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2390.00 | 52.68 | 54.00 | -1.32 | 19.96 | 4.41 | 28.31 | 0.00 | 195 | 351 | Average | HORIZONTAL |
| 2 | 2390.00 | 71.88 | 74.00 | -2.12 | 39.16 | 4.41 | 28.31 | 0.00 | 195 | 351 | Peak | HORIZONTAL |
| 3 | 2411.20 | 107.24 | | | 74.49 | 4.41 | 28.34 | 0.00 | 195 | 351 | Average | HORIZONTAL |
| 4 | 2412.20 | 116.54 | | | 83.79 | 4.41 | 28.34 | 0.00 | 195 | 351 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.40 | 61.71 | 74.00 | -12.29 | 29.03 | 4.37 | 28.31 | 0.00 | 208 | 356 | Peak | HORIZONTAL |
| 2 | 2390.00 | 47.97 | 54.00 | -6.03 | 15.25 | 4.41 | 28.31 | 0.00 | 208 | 356 | Average | HORIZONTAL |
| 3 | 2435.40 | 111.01 | | | 78.19 | 4.44 | 28.38 | 0.00 | 208 | 356 | Average | HORIZONTAL |
| 4 | 2436.20 | 120.07 | | | 87.25 | 4.44 | 28.38 | 0.00 | 208 | 356 | Peak | HORIZONTAL |
| 5 | 2484.20 | 47.10 | 54.00 | -6.90 | 14.12 | 4.51 | 28.47 | 0.00 | 208 | 356 | Average | HORIZONTAL |
| 6 | 2501.40 | 57.95 | 74.00 | -16.05 | 24.90 | 4.55 | 28.50 | 0.00 | 208 | 356 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2460.40 | 106.57 | | | 73.65 | 4.48 | 28.44 | 0.00 | 100 | 354 | Average | HORIZONTAL |
| 2 | 2462.20 | 115.58 | | | 82.66 | 4.48 | 28.44 | 0.00 | 100 | 354 | Peak | HORIZONTAL |
| 3 | 2483.50 | 52.38 | 54.00 | -1.62 | 19.40 | 4.51 | 28.47 | 0.00 | 100 | 354 | Average | HORIZONTAL |
| 4 | 2484.00 | 69.96 | 74.00 | -4.04 | 36.98 | 4.51 | 28.47 | 0.00 | 100 | 354 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.20 | 52.78 | 54.00 | -1.22 | 20.10 | 4.37 | 28.31 | 0.00 | 290 | 322 | Average | VERTICAL |
| 2 | 2390.00 | 64.86 | 74.00 | -9.14 | 32.14 | 4.41 | 28.31 | 0.00 | 290 | 322 | Peak | VERTICAL |
| 3 | 2423.60 | 102.45 | | | 69.63 | 4.44 | 28.38 | 0.00 | 290 | 322 | Average | VERTICAL |
| 4 | 2424.00 | 111.11 | | | 78.29 | 4.44 | 28.38 | 0.00 | 290 | 322 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.40 | 65.17 | 74.00 | -8.83 | 32.49 | 4.37 | 28.31 | 0.00 | 299 | 354 | Peak | HORIZONTAL |
| 2 | 2390.00 | 52.50 | 54.00 | -1.50 | 19.78 | 4.41 | 28.31 | 0.00 | 299 | 354 | Average | HORIZONTAL |
| 3 | 2429.80 | 104.59 | | | 71.77 | 4.44 | 28.38 | 0.00 | 299 | 354 | Average | HORIZONTAL |
| 4 | 2429.80 | 114.07 | | | 81.25 | 4.44 | 28.38 | 0.00 | 299 | 354 | Peak | HORIZONTAL |
| 5 | 2483.50 | 49.62 | 54.00 | -4.38 | 16.64 | 4.51 | 28.47 | 0.00 | 299 | 354 | Average | HORIZONTAL |
| 6 | 2483.50 | 66.05 | 74.00 | -7.95 | 33.07 | 4.51 | 28.47 | 0.00 | 299 | 354 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2443.20 | 112.12 | | | 79.23 | 4.48 | 28.41 | 0.00 | 299 | 2 | Peak | HORIZONTAL |
| 2 | 2443.60 | 101.47 | | | 68.58 | 4.48 | 28.41 | 0.00 | 299 | 2 | Average | HORIZONTAL |
| 3 | 2483.50 | 52.80 | 54.00 | -1.20 | 19.82 | 4.51 | 28.47 | 0.00 | 299 | 2 | Average | HORIZONTAL |
| 4 | 2483.50 | 71.52 | 74.00 | -2.48 | 38.54 | 4.51 | 28.47 | 0.00 | 299 | 2 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2390.00 | 52.74 | 54.00 | -1.26 | 20.02 | 4.41 | 28.31 | 0.00 | 206 | 209 | Average | VERTICAL |
| 2 | 2390.00 | 70.67 | 74.00 | -3.33 | 37.95 | 4.41 | 28.31 | 0.00 | 206 | 209 | Peak | VERTICAL |
| 3 | 2410.40 | 103.38 | | | 70.63 | 4.41 | 28.34 | 0.00 | 206 | 209 | Average | VERTICAL |
| 4 | 2410.80 | 113.66 | | | 80.91 | 4.41 | 28.34 | 0.00 | 206 | 209 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2380.60 | 57.79 | 74.00 | -16.21 | 25.14 | 4.37 | 28.28 | 0.00 | 224 | 210 | Peak | VERTICAL |
| 2 | 2389.80 | 46.14 | 54.00 | -7.86 | 13.42 | 4.41 | 28.31 | 0.00 | 224 | 210 | Average | VERTICAL |
| 3 | 2435.00 | 114.89 | | | 82.07 | 4.44 | 28.38 | 0.00 | 224 | 210 | Peak | VERTICAL |
| 4 | 2435.40 | 105.48 | | | 72.66 | 4.44 | 28.38 | 0.00 | 224 | 210 | Average | VERTICAL |
| 5 | 2484.60 | 46.59 | 54.00 | -7.41 | 13.61 | 4.51 | 28.47 | 0.00 | 224 | 210 | Average | VERTICAL |
| 6 | 2504.60 | 58.43 | 74.00 | -15.57 | 25.32 | 4.55 | 28.56 | 0.00 | 224 | 210 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2460.80 | 103.48 | | | 70.56 | 4.48 | 28.44 | 0.00 | 208 | 188 | Average | VERTICAL |
| 2 | 2463.80 | 113.80 | | | 80.88 | 4.48 | 28.44 | 0.00 | 208 | 188 | Peak | VERTICAL |
| 3 | 2483.80 | 52.65 | 54.00 | -1.35 | 19.67 | 4.51 | 28.47 | 0.00 | 208 | 188 | Average | VERTICAL |
| 4 | 2483.80 | 71.59 | 74.00 | -2.41 | 38.61 | 4.51 | 28.47 | 0.00 | 208 | 188 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2383.20 | 72.26 | 74.00 | -1.74 | 39.61 | 4.37 | 28.28 | 0.00 | 289 | 204 | Peak | VERTICAL |
| 2 | 2389.20 | 52.82 | 54.00 | -1.18 | 20.14 | 4.37 | 28.31 | 0.00 | 289 | 204 | Average | VERTICAL |
| 3 | 2416.40 | 111.89 | | | 79.11 | 4.44 | 28.34 | 0.00 | 289 | 204 | Peak | VERTICAL |
| 4 | 2418.80 | 100.30 | | | 67.52 | 4.44 | 28.34 | 0.00 | 289 | 204 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2388.60 | 66.11 | 74.00 | -7.89 | 33.43 | 4.37 | 28.31 | 0.00 | 203 | 182 | Peak | VERTICAL |
| 2 | 2390.00 | 52.53 | 54.00 | -1.47 | 19.81 | 4.41 | 28.31 | 0.00 | 203 | 182 | Average | VERTICAL |
| 3 | 2420.60 | 99.22 | | | 66.40 | 4.44 | 28.38 | 0.00 | 203 | 182 | Average | VERTICAL |
| 4 | 2425.40 | 109.73 | | | 76.91 | 4.44 | 28.38 | 0.00 | 203 | 182 | Peak | VERTICAL |
| 5 | 2483.50 | 52.71 | 54.00 | -1.29 | 19.73 | 4.51 | 28.47 | 0.00 | 203 | 182 | Average | VERTICAL |
| 6 | 2486.20 | 70.84 | 74.00 | -3.16 | 37.86 | 4.51 | 28.47 | 0.00 | 203 | 182 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2456.40 | 107.65 | | | 74.73 | 4.48 | 28.44 | 0.00 | 205 | 190 | Peak | VERTICAL |
| 2 | 2459.60 | 96.92 | | | 64.00 | 4.48 | 28.44 | 0.00 | 205 | 190 | Average | VERTICAL |
| 3 | 2483.50 | 52.71 | 54.00 | -1.29 | 19.73 | 4.51 | 28.47 | 0.00 | 205 | 190 | Average | VERTICAL |
| 4 | 2486.00 | 69.07 | 74.00 | -4.93 | 36.09 | 4.51 | 28.47 | 0.00 | 205 | 190 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.80 | 68.59 | 74.00 | -5.41 | 35.87 | 4.41 | 28.31 | 0.00 | 198 | 203 | Peak | VERTICAL |
| 2 | 2390.00 | 52.88 | 54.00 | -1.12 | 20.16 | 4.41 | 28.31 | 0.00 | 198 | 203 | Average | VERTICAL |
| 3 | 2410.20 | 106.57 | | | 73.82 | 4.41 | 28.34 | 0.00 | 198 | 203 | Average | VERTICAL |
| 4 | 2413.00 | 116.16 | | | 83.41 | 4.41 | 28.34 | 0.00 | 198 | 203 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2390.00 | 47.72 | 54.00 | -6.28 | 15.00 | 4.41 | 28.31 | 0.00 | 267 | 205 | Average | VERTICAL |
| 2 | 2390.00 | 62.04 | 74.00 | -11.96 | 29.32 | 4.41 | 28.31 | 0.00 | 267 | 205 | Peak | VERTICAL |
| 3 | 2435.80 | 119.17 | | | 86.35 | 4.44 | 28.38 | 0.00 | 267 | 205 | Peak | VERTICAL |
| 4 | 2439.00 | 109.16 | | | 76.31 | 4.44 | 28.41 | 0.00 | 267 | 205 | Average | VERTICAL |
| 5 | 2484.20 | 46.97 | 54.00 | -7.03 | 13.99 | 4.51 | 28.47 | 0.00 | 267 | 205 | Average | VERTICAL |
| 6 | 2492.20 | 60.58 | 74.00 | -13.42 | 27.53 | 4.55 | 28.50 | 0.00 | 267 | 205 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2459.40 | 114.29 | | | 81.37 | 4.48 | 28.44 | 0.00 | 218 | 190 | Peak | VERTICAL |
| 2 | 2464.20 | 104.77 | | | 71.85 | 4.48 | 28.44 | 0.00 | 218 | 190 | Average | VERTICAL |
| 3 | 2483.50 | 52.97 | 54.00 | -1.03 | 19.99 | 4.51 | 28.47 | 0.00 | 218 | 190 | Average | VERTICAL |
| 4 | 2483.80 | 70.79 | 74.00 | -3.21 | 37.81 | 4.51 | 28.47 | 0.00 | 218 | 190 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2385.60 | 70.28 | 74.00 | -3.72 | 37.60 | 4.37 | 28.31 | 0.00 | 244 | 254 | Peak | VERTICAL |
| 2 | 2390.00 | 52.70 | 54.00 | -1.30 | 19.98 | 4.41 | 28.31 | 0.00 | 244 | 254 | Average | VERTICAL |
| 3 | 2415.60 | 98.48 | | | 65.70 | 4.44 | 28.34 | 0.00 | 244 | 254 | Average | VERTICAL |
| 4 | 2416.00 | 109.19 | | | 76.41 | 4.44 | 28.34 | 0.00 | 244 | 254 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2387.80 | 68.66 | 74.00 | -5.34 | 35.98 | 4.37 | 28.31 | 0.00 | 259 | 202 | Peak | VERTICAL |
| 2 | 2389.80 | 51.80 | 54.00 | -2.20 | 19.08 | 4.41 | 28.31 | 0.00 | 259 | 202 | Average | VERTICAL |
| 3 | 2423.00 | 103.11 | | | 70.29 | 4.44 | 28.38 | 0.00 | 259 | 202 | Average | VERTICAL |
| 4 | 2423.40 | 112.49 | | | 79.67 | 4.44 | 28.38 | 0.00 | 259 | 202 | Peak | VERTICAL |
| 5 | 2483.50 | 52.79 | 54.00 | -1.21 | 19.81 | 4.51 | 28.47 | 0.00 | 259 | 202 | Average | VERTICAL |
| 6 | 2485.40 | 72.99 | 74.00 | -1.01 | 40.01 | 4.51 | 28.47 | 0.00 | 259 | 202 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2440.00 | 99.29 | | | 66.44 | 4.44 | 28.41 | 0.00 | 201 | 245 | Average | VERTICAL |
| 2 | 2442.40 | 108.91 | | | 76.02 | 4.48 | 28.41 | 0.00 | 201 | 245 | Peak | VERTICAL |
| 3 | 2483.50 | 52.76 | 54.00 | -1.24 | 19.78 | 4.51 | 28.47 | 0.00 | 201 | 245 | Average | VERTICAL |
| 4 | 2484.40 | 67.12 | 74.00 | -6.88 | 34.14 | 4.51 | 28.47 | 0.00 | 201 | 245 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 22, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.60 | 69.93 | 74.00 | -4.07 | 37.25 | 4.37 | 28.31 | 0.00 | 196 | 204 | Peak | VERTICAL |
| 2 | 2390.00 | 52.78 | 54.00 | -1.22 | 20.06 | 4.41 | 28.31 | 0.00 | 196 | 204 | Average | VERTICAL |
| 3 | 2413.20 | 108.02 | | | 75.27 | 4.41 | 28.34 | 0.00 | 196 | 204 | Average | VERTICAL |
| 4 | 2413.60 | 118.43 | | | 85.68 | 4.41 | 28.34 | 0.00 | 196 | 204 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2388.20 | 57.79 | 74.00 | -16.21 | 25.11 | 4.37 | 28.31 | 0.00 | 195 | 206 | Peak | VERTICAL |
| 2 | 2390.00 | 46.84 | 54.00 | -7.16 | 14.12 | 4.41 | 28.31 | 0.00 | 195 | 206 | Average | VERTICAL |
| 3 | 2434.60 | 120.17 | | | 87.35 | 4.44 | 28.38 | 0.00 | 195 | 206 | Peak | VERTICAL |
| 4 | 2439.00 | 109.96 | | | 77.11 | 4.44 | 28.41 | 0.00 | 195 | 206 | Average | VERTICAL |
| 5 | 2483.50 | 46.76 | 54.00 | -7.24 | 13.78 | 4.51 | 28.47 | 0.00 | 195 | 206 | Average | VERTICAL |
| 6 | 2489.80 | 59.24 | 74.00 | -14.76 | 26.23 | 4.51 | 28.50 | 0.00 | 195 | 206 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2460.60 | 105.36 | | | 72.44 | 4.48 | 28.44 | 0.00 | 199 | 181 | Average | VERTICAL |
| 2 | 2460.80 | 115.95 | | | 83.03 | 4.48 | 28.44 | 0.00 | 199 | 181 | Peak | VERTICAL |
| 3 | 2483.50 | 52.75 | 54.00 | -1.25 | 19.77 | 4.51 | 28.47 | 0.00 | 199 | 181 | Average | VERTICAL |
| 4 | 2485.40 | 70.67 | 74.00 | -3.33 | 37.69 | 4.51 | 28.47 | 0.00 | 199 | 181 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 22, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2388.00 | 70.37 | 74.00 | -3.63 | 37.69 | 4.37 | 28.31 | 0.00 | 201 | 198 | Peak | VERTICAL |
| 2 | 2390.00 | 52.88 | 54.00 | -1.12 | 20.16 | 4.41 | 28.31 | 0.00 | 201 | 198 | Average | VERTICAL |
| 3 | 2409.60 | 112.61 | | | 79.86 | 4.41 | 28.34 | 0.00 | 201 | 198 | Peak | VERTICAL |
| 4 | 2414.40 | 102.19 | | | 69.44 | 4.41 | 28.34 | 0.00 | 201 | 198 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2390.00 | 51.82 | 54.00 | -2.18 | 19.10 | 4.41 | 28.31 | 0.00 | 206 | 187 | Average | VERTICAL |
| 2 | 2390.00 | 65.40 | 74.00 | -8.60 | 32.68 | 4.41 | 28.31 | 0.00 | 206 | 187 | Peak | VERTICAL |
| 3 | 2421.00 | 111.16 | | | 78.34 | 4.44 | 28.38 | 0.00 | 206 | 187 | Peak | VERTICAL |
| 4 | 2422.20 | 101.82 | | | 69.00 | 4.44 | 28.38 | 0.00 | 206 | 187 | Average | VERTICAL |
| 5 | 2484.20 | 52.45 | 54.00 | -1.55 | 19.47 | 4.51 | 28.47 | 0.00 | 206 | 187 | Average | VERTICAL |
| 6 | 2484.20 | 69.35 | 74.00 | -4.65 | 36.37 | 4.51 | 28.47 | 0.00 | 206 | 187 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2458.80 | 99.29 | | | 66.37 | 4.48 | 28.44 | 0.00 | 207 | 182 | Average | VERTICAL |
| 2 | 2462.40 | 110.54 | | | 77.62 | 4.48 | 28.44 | 0.00 | 207 | 182 | Peak | VERTICAL |
| 3 | 2483.50 | 52.70 | 54.00 | -1.30 | 19.72 | 4.51 | 28.47 | 0.00 | 207 | 182 | Average | VERTICAL |
| 4 | 2486.40 | 69.16 | 74.00 | -4.84 | 36.18 | 4.51 | 28.47 | 0.00 | 207 | 182 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 3: 3.2dBi / 2TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.60 | 70.56 | 74.00 | -3.44 | 37.88 | 4.37 | 28.31 | 0.00 | 258 | 257 | Peak | VERTICAL |
| 2 | 2390.00 | 52.69 | 54.00 | -1.31 | 19.97 | 4.41 | 28.31 | 0.00 | 258 | 257 | Average | VERTICAL |
| 3 | 2410.20 | 103.52 | | | 70.77 | 4.41 | 28.34 | 0.00 | 258 | 257 | Average | VERTICAL |
| 4 | 2410.20 | 112.58 | | | 79.83 | 4.41 | 28.34 | 0.00 | 258 | 257 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.80 | 46.55 | 54.00 | -7.45 | 13.83 | 4.41 | 28.31 | 0.00 | 278 | 257 | Average | VERTICAL |
| 2 | 2390.00 | 58.65 | 74.00 | -15.35 | 25.93 | 4.41 | 28.31 | 0.00 | 278 | 257 | Peak | VERTICAL |
| 3 | 2435.40 | 107.99 | | | 75.17 | 4.44 | 28.38 | 0.00 | 278 | 257 | Average | VERTICAL |
| 4 | 2439.00 | 117.87 | | | 85.02 | 4.44 | 28.41 | 0.00 | 278 | 257 | Peak | VERTICAL |
| 5 | 2488.20 | 58.76 | 74.00 | -15.24 | 25.75 | 4.51 | 28.50 | 0.00 | 278 | 257 | Peak | VERTICAL |
| 6 | 2520.20 | 47.44 | 54.00 | -6.56 | 14.30 | 4.58 | 28.56 | 0.00 | 278 | 257 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2463.80 | 104.69 | | | 71.77 | 4.48 | 28.44 | 0.00 | 300 | 180 | Average | VERTICAL |
| 2 | 2464.80 | 114.69 | | | 81.77 | 4.48 | 28.44 | 0.00 | 300 | 180 | Peak | VERTICAL |
| 3 | 2483.50 | 52.85 | 54.00 | -1.15 | 19.87 | 4.51 | 28.47 | 0.00 | 300 | 180 | Average | VERTICAL |
| 4 | 2484.20 | 70.53 | 74.00 | -3.47 | 37.55 | 4.51 | 28.47 | 0.00 | 300 | 180 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 3: 3.2dBi / 2TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2388.80 | 71.47 | 74.00 | -2.53 | 38.79 | 4.37 | 28.31 | 0.00 | 255 | 249 | Peak | VERTICAL |
| 2 | 2390.00 | 52.66 | 54.00 | -1.34 | 19.94 | 4.41 | 28.31 | 0.00 | 255 | 249 | Average | VERTICAL |
| 3 | 2414.00 | 109.06 | | | 76.31 | 4.41 | 28.34 | 0.00 | 255 | 249 | Peak | VERTICAL |
| 4 | 2420.00 | 97.74 | | | 64.92 | 4.44 | 28.38 | 0.00 | 255 | 249 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.00 | 62.33 | 74.00 | -11.67 | 29.65 | 4.37 | 28.31 | 0.00 | 254 | 260 | Peak | VERTICAL |
| 2 | 2390.00 | 51.79 | 54.00 | -2.21 | 19.07 | 4.41 | 28.31 | 0.00 | 254 | 260 | Average | VERTICAL |
| 3 | 2423.80 | 101.28 | | | 68.46 | 4.44 | 28.38 | 0.00 | 254 | 260 | Average | VERTICAL |
| 4 | 2424.20 | 110.99 | | | 78.17 | 4.44 | 28.38 | 0.00 | 254 | 260 | Peak | VERTICAL |
| 5 | 2483.50 | 52.83 | 54.00 | -1.17 | 19.85 | 4.51 | 28.47 | 0.00 | 254 | 260 | Average | VERTICAL |
| 6 | 2483.50 | 67.24 | 74.00 | -6.76 | 34.26 | 4.51 | 28.47 | 0.00 | 254 | 260 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2443.60 | 108.89 | | | 76.00 | 4.48 | 28.41 | 0.00 | 285 | 252 | Peak | VERTICAL |
| 2 | 2444.00 | 99.06 | | | 66.17 | 4.48 | 28.41 | 0.00 | 285 | 252 | Average | VERTICAL |
| 3 | 2483.50 | 52.74 | 54.00 | -1.26 | 19.76 | 4.51 | 28.47 | 0.00 | 285 | 252 | Average | VERTICAL |
| 4 | 2488.40 | 68.33 | 74.00 | -5.67 | 35.32 | 4.51 | 28.50 | 0.00 | 285 | 252 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi / 3TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.20 | 67.82 | 74.00 | -6.18 | 35.14 | 4.37 | 28.31 | 0.00 | 300 | 336 | Peak | VERTICAL |
| 2 | 2389.80 | 52.60 | 54.00 | -1.40 | 19.88 | 4.41 | 28.31 | 0.00 | 300 | 336 | Average | VERTICAL |
| 3 | 2413.40 | 107.16 | | | 74.41 | 4.41 | 28.34 | 0.00 | 300 | 336 | Average | VERTICAL |
| 4 | 2414.20 | 117.53 | | | 84.78 | 4.41 | 28.34 | 0.00 | 300 | 336 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.40 | 59.53 | 74.00 | -14.47 | 26.85 | 4.37 | 28.31 | 0.00 | 292 | 257 | Peak | VERTICAL |
| 2 | 2390.00 | 47.32 | 54.00 | -6.68 | 14.60 | 4.41 | 28.31 | 0.00 | 292 | 257 | Average | VERTICAL |
| 3 | 2439.00 | 120.83 | | | 87.98 | 4.44 | 28.41 | 0.00 | 292 | 257 | Peak | VERTICAL |
| 4 | 2439.40 | 111.15 | | | 78.30 | 4.44 | 28.41 | 0.00 | 292 | 257 | Average | VERTICAL |
| 5 | 2484.20 | 48.08 | 54.00 | -5.92 | 15.10 | 4.51 | 28.47 | 0.00 | 292 | 257 | Average | VERTICAL |
| 6 | 2484.60 | 62.73 | 74.00 | -11.27 | 29.75 | 4.51 | 28.47 | 0.00 | 292 | 257 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2460.20 | 117.24 | | | 84.32 | 4.48 | 28.44 | 0.00 | 252 | 269 | Peak | VERTICAL |
| 2 | 2460.60 | 107.83 | | | 74.91 | 4.48 | 28.44 | 0.00 | 252 | 269 | Average | VERTICAL |
| 3 | 2483.50 | 72.50 | 74.00 | -1.50 | 39.52 | 4.51 | 28.47 | 0.00 | 252 | 269 | Peak | VERTICAL |
| 4 | 2483.80 | 52.54 | 54.00 | -1.46 | 19.56 | 4.51 | 28.47 | 0.00 | 252 | 269 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 24, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi / 3TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.60 | 52.99 | 54.00 | -1.01 | 20.31 | 4.37 | 28.31 | 0.00 | 300 | 334 | Average | VERTICAL |
| 2 | 2390.00 | 64.80 | 74.00 | -9.20 | 32.08 | 4.41 | 28.31 | 0.00 | 300 | 334 | Peak | VERTICAL |
| 3 | 2414.40 | 111.39 | | | 78.64 | 4.41 | 28.34 | 0.00 | 300 | 334 | Peak | VERTICAL |
| 4 | 2415.20 | 101.70 | | | 68.95 | 4.41 | 28.34 | 0.00 | 300 | 334 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2384.60 | 63.70 | 74.00 | -10.30 | 31.05 | 4.37 | 28.28 | 0.00 | 278 | 260 | Peak | VERTICAL |
| 2 | 2389.40 | 49.14 | 54.00 | -4.86 | 16.46 | 4.37 | 28.31 | 0.00 | 278 | 260 | Average | VERTICAL |
| 3 | 2443.40 | 102.05 | | | 69.16 | 4.48 | 28.41 | 0.00 | 278 | 260 | Average | VERTICAL |
| 4 | 2449.40 | 113.51 | | | 80.62 | 4.48 | 28.41 | 0.00 | 278 | 260 | Peak | VERTICAL |
| 5 | 2483.50 | 52.98 | 54.00 | -1.02 | 20.00 | 4.51 | 28.47 | 0.00 | 278 | 260 | Average | VERTICAL |
| 6 | 2485.80 | 72.81 | 74.00 | -1.19 | 39.83 | 4.51 | 28.47 | 0.00 | 278 | 260 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2448.80 | 112.68 | | | 79.79 | 4.48 | 28.41 | 0.00 | 280 | 264 | Peak | VERTICAL |
| 2 | 2458.40 | 101.54 | | | 68.62 | 4.48 | 28.44 | 0.00 | 280 | 264 | Average | VERTICAL |
| 3 | 2483.50 | 52.99 | 54.00 | -1.01 | 20.01 | 4.51 | 28.47 | 0.00 | 280 | 264 | Average | VERTICAL |
| 4 | 2484.00 | 70.08 | 74.00 | -3.92 | 37.10 | 4.51 | 28.47 | 0.00 | 280 | 264 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX) | | |

**Channel 1**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2389.60 | 71.08 | 74.00 | -2.92 | 38.40 | 4.37 | 28.31 | 0.00 | 249 | 339 | Peak | VERTICAL |
| 2 | 2390.00 | 52.95 | 54.00 | -1.05 | 20.23 | 4.41 | 28.31 | 0.00 | 249 | 339 | Average | VERTICAL |
| 3 | 2413.00 | 117.72 | | | 84.97 | 4.41 | 28.34 | 0.00 | 249 | 339 | Peak | VERTICAL |
| 4 | 2413.60 | 107.33 | | | 74.58 | 4.41 | 28.34 | 0.00 | 249 | 339 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2387.40 | 60.11 | 74.00 | -13.89 | 27.43 | 4.37 | 28.31 | 0.00 | 275 | 324 | Peak | VERTICAL |
| 2 | 2390.00 | 47.83 | 54.00 | -6.17 | 15.11 | 4.41 | 28.31 | 0.00 | 275 | 324 | Average | VERTICAL |
| 3 | 2435.00 | 110.40 | | | 77.58 | 4.44 | 28.38 | 0.00 | 275 | 324 | Average | VERTICAL |
| 4 | 2435.40 | 120.84 | | | 88.02 | 4.44 | 28.38 | 0.00 | 275 | 324 | Peak | VERTICAL |
| 5 | 2484.60 | 62.31 | 74.00 | -11.69 | 29.33 | 4.51 | 28.47 | 0.00 | 275 | 324 | Peak | VERTICAL |
| 6 | 2513.40 | 48.14 | 54.00 | -5.86 | 15.03 | 4.55 | 28.56 | 0.00 | 275 | 324 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2460.80 | 118.79 | | | 85.87 | 4.48 | 28.44 | 0.00 | 281 | 269 | Peak | VERTICAL |
| 2 | 2461.40 | 108.47 | | | 75.55 | 4.48 | 28.44 | 0.00 | 281 | 269 | Average | VERTICAL |
| 3 | 2483.50 | 52.71 | 54.00 | -1.29 | 19.73 | 4.51 | 28.47 | 0.00 | 281 | 269 | Average | VERTICAL |
| 4 | 2484.00 | 69.57 | 74.00 | -4.43 | 36.59 | 4.51 | 28.47 | 0.00 | 281 | 269 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Date | Oct. 23, 2015 | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Engineer | Brian Sun | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX) | | |

**Channel 3**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2388.80 | 66.60 | 74.00 | -7.40 | 33.92 | 4.37 | 28.31 | 0.00 | 262 | 331 | Peak | VERTICAL |
| 2 | 2390.00 | 52.88 | 54.00 | -1.12 | 20.16 | 4.41 | 28.31 | 0.00 | 262 | 331 | Average | VERTICAL |
| 3 | 2415.60 | 111.85 | | | 79.07 | 4.44 | 28.34 | 0.00 | 262 | 331 | Peak | VERTICAL |
| 4 | 2416.40 | 101.66 | | | 68.88 | 4.44 | 28.34 | 0.00 | 262 | 331 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2381.80 | 63.11 | 74.00 | -10.89 | 30.46 | 4.37 | 28.28 | 0.00 | 288 | 257 | Peak | VERTICAL |
| 2 | 2390.00 | 50.77 | 54.00 | -3.23 | 18.05 | 4.41 | 28.31 | 0.00 | 288 | 257 | Average | VERTICAL |
| 3 | 2440.60 | 105.00 | | | 72.15 | 4.44 | 28.41 | 0.00 | 288 | 257 | Average | VERTICAL |
| 4 | 2442.60 | 114.98 | | | 82.09 | 4.48 | 28.41 | 0.00 | 288 | 257 | Peak | VERTICAL |
| 5 | 2483.50 | 52.78 | 54.00 | -1.22 | 19.80 | 4.51 | 28.47 | 0.00 | 288 | 257 | Average | VERTICAL |
| 6 | 2483.80 | 72.01 | 74.00 | -1.99 | 39.03 | 4.51 | 28.47 | 0.00 | 288 | 257 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 9**

| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2443.20 | 101.76 | | | 68.87 | 4.48 | 28.41 | 0.00 | 279 | 257 | Average | VERTICAL |
| 2 | 2449.20 | 113.45 | | | 80.56 | 4.48 | 28.41 | 0.00 | 279 | 257 | Peak | VERTICAL |
| 3 | 2483.50 | 52.81 | 54.00 | -1.19 | 19.83 | 4.51 | 28.47 | 0.00 | 279 | 257 | Average | VERTICAL |
| 4 | 2484.40 | 70.48 | 74.00 | -3.52 | 37.50 | 4.51 | 28.47 | 0.00 | 279 | 257 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

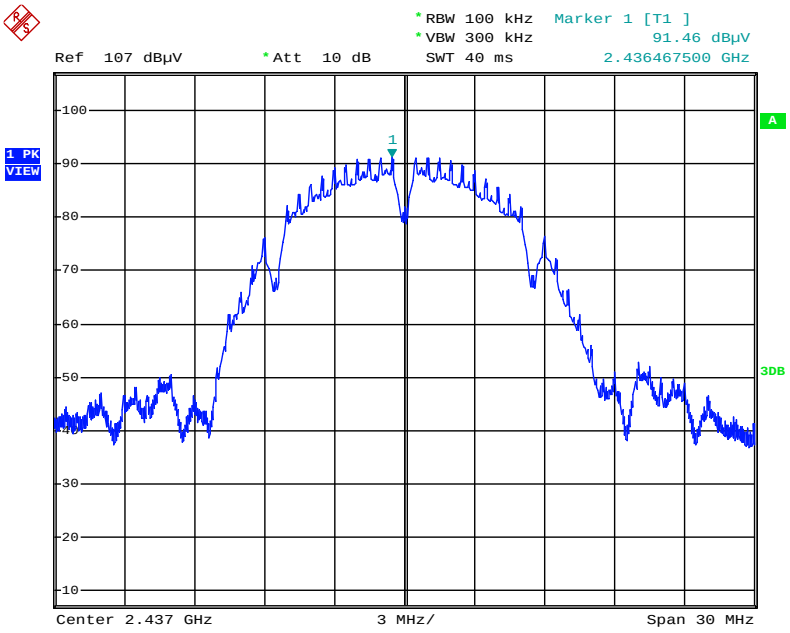
Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

## For Emission not in Restricted Band

## For Non-Beamforming Mode

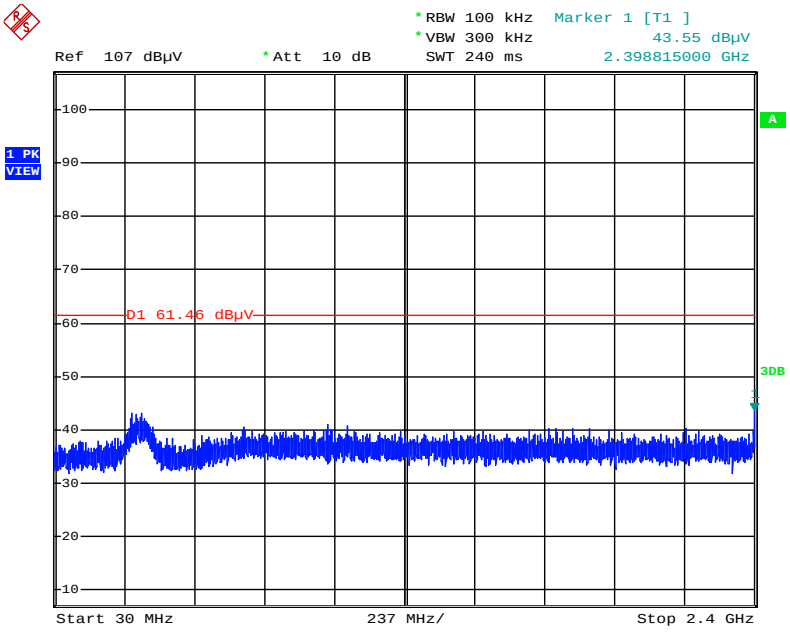
## Mode 1 (Set 3 Dipole antenna / 3.83dBi / 1TX)

## Plot on Configuration IEEE 802.11b / Reference Level / Chain 1



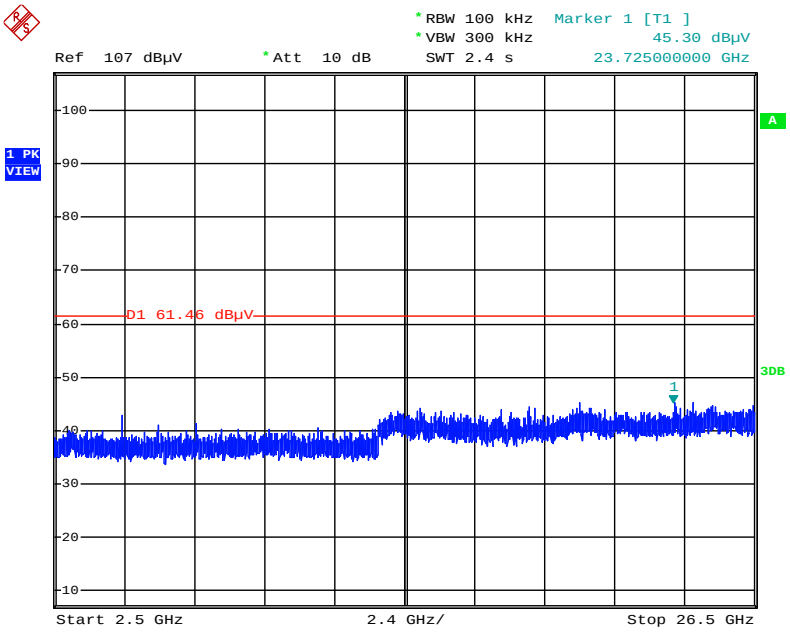

Date: 21.OCT.2015 03:45:40

## Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc) / Chain 1



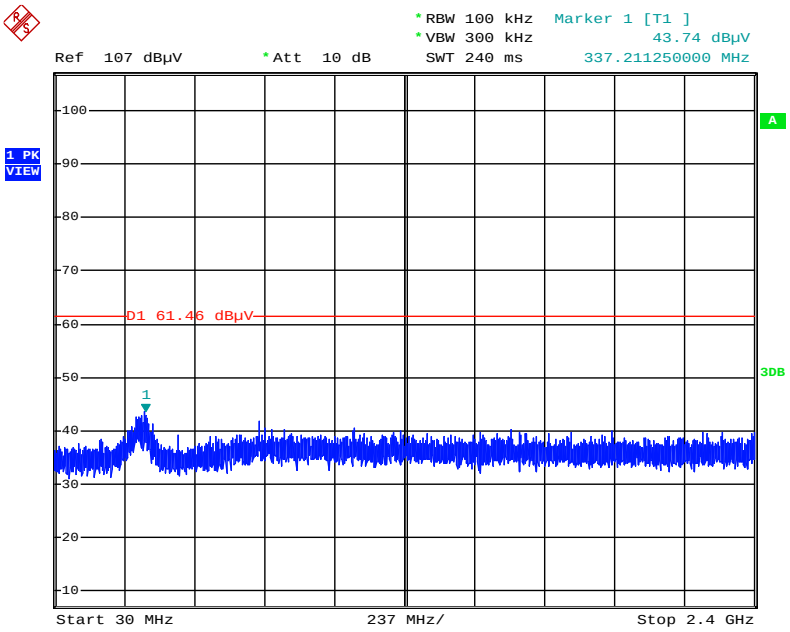

Date: 21.OCT.2015 03:47:18

## Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc) / Chain 1



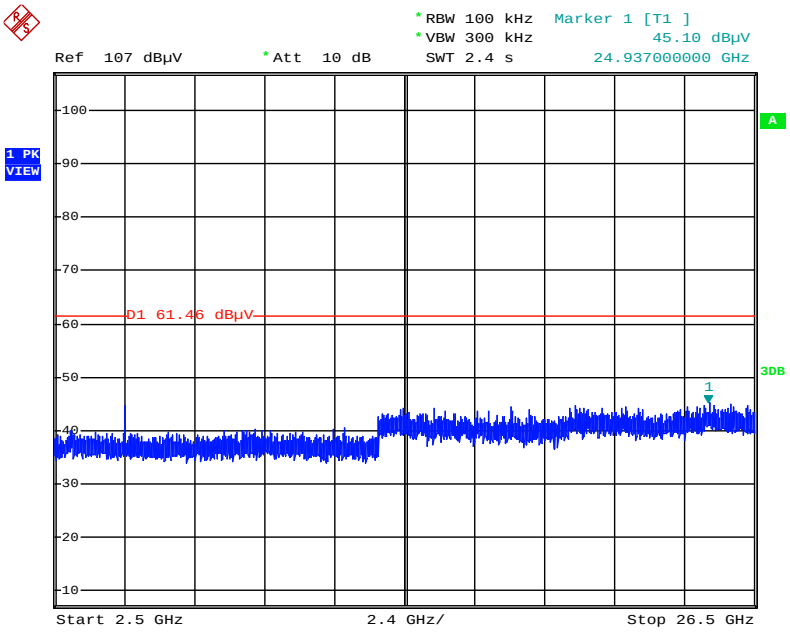

Date: 21.OCT.2015 03:47:49

## Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc) / Chain 1



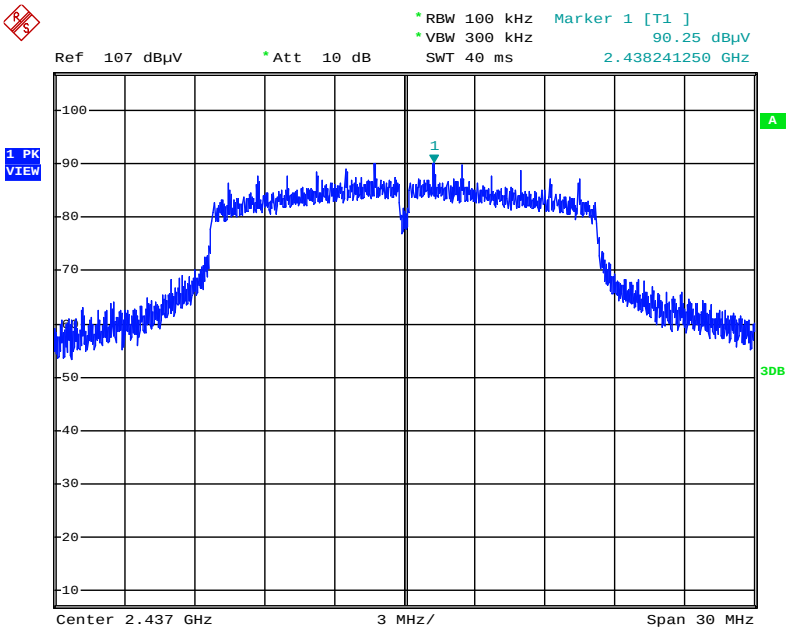

Date: 21.OCT.2015 03:48:50

## Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc) / Chain 1



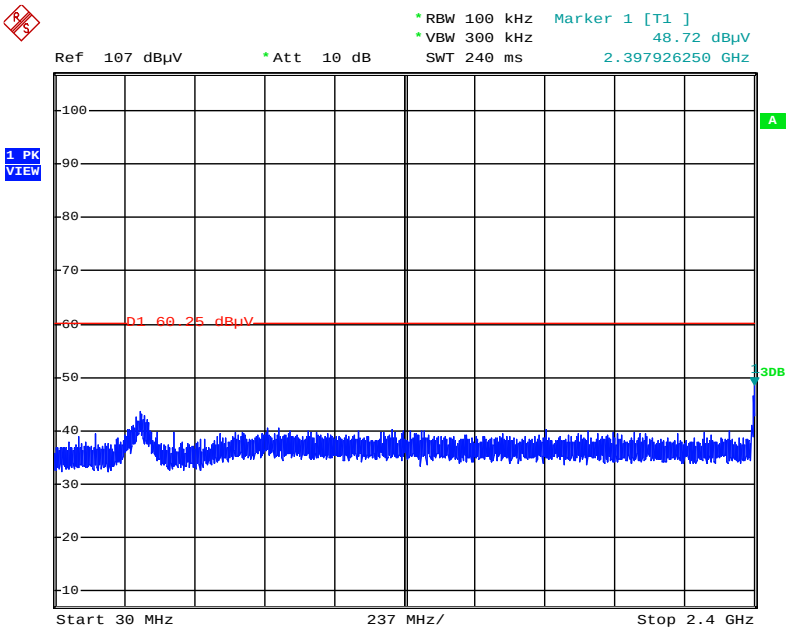

Date: 21.OCT.2015 03:48:31

## Plot on Configuration IEEE 802.11g / Reference Level / Chain 1



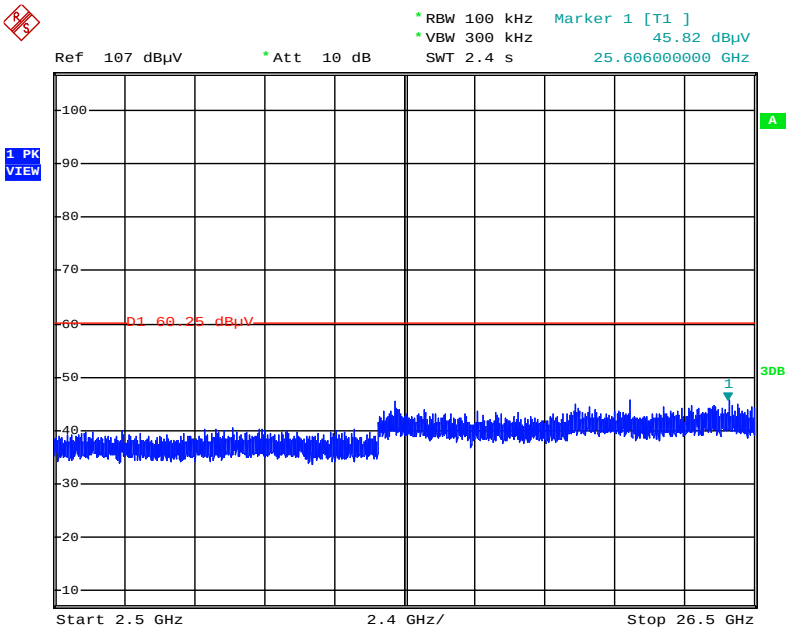

Date: 21.OCT.2015 03:49:44

## Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc) / Chain 1



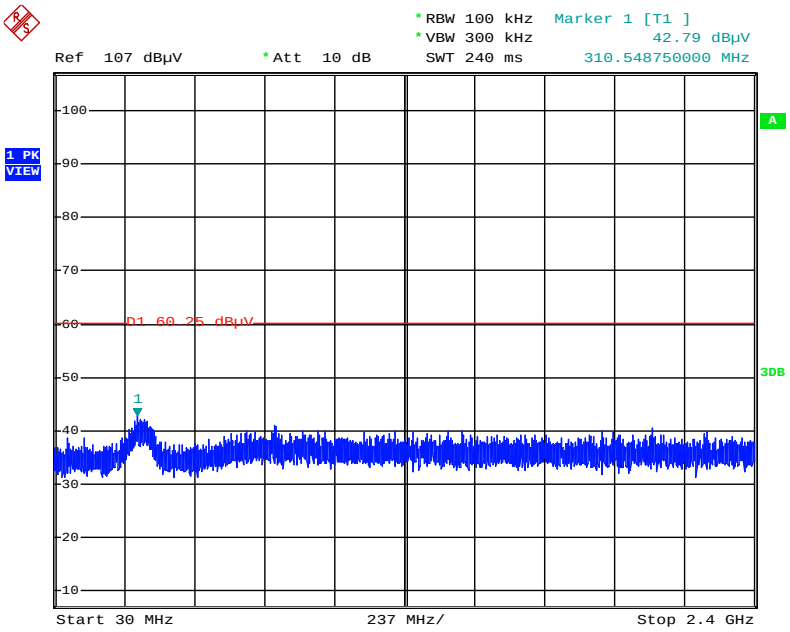

Date: 21.OCT.2015 03:50:44

## Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc) / Chain 1



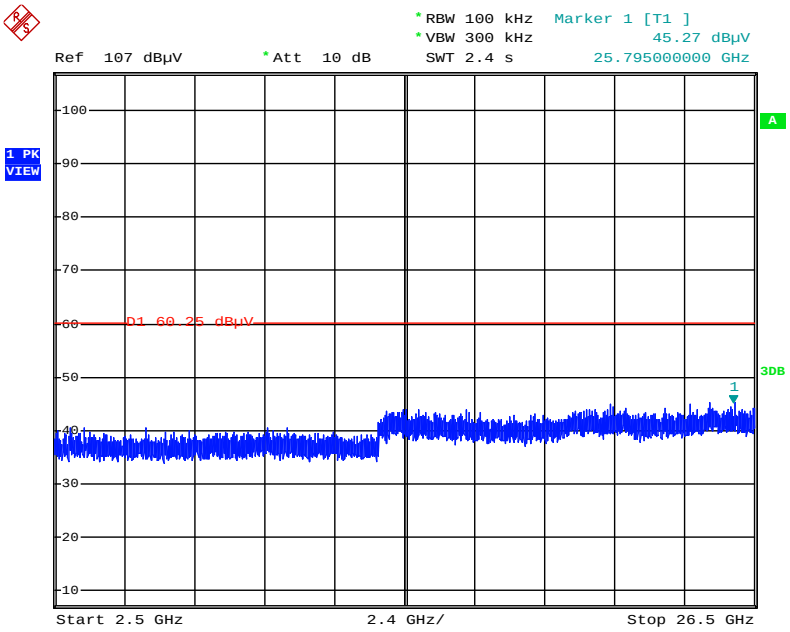

Date: 21.OCT.2015 03:51:43

## Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc) / Chain 1



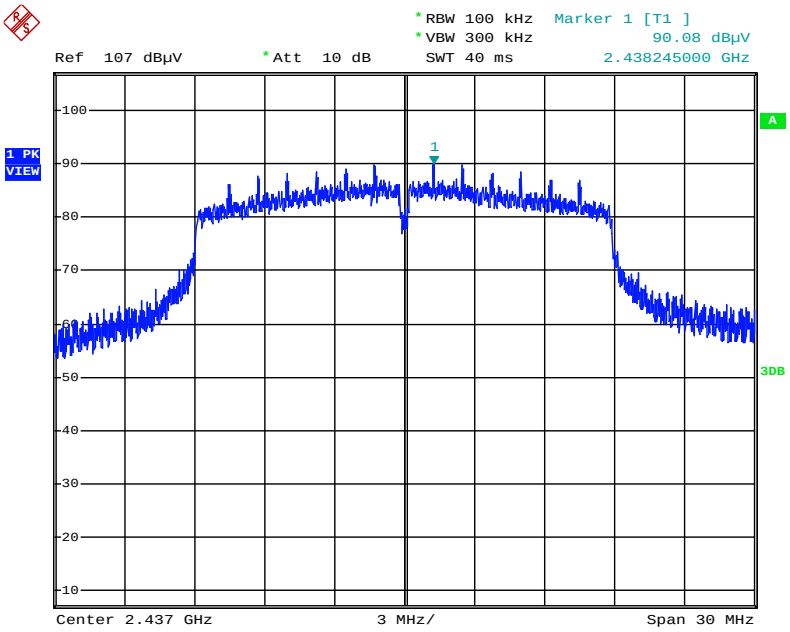

Date: 21.OCT.2015 03:52:38

## Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc) / Chain 1



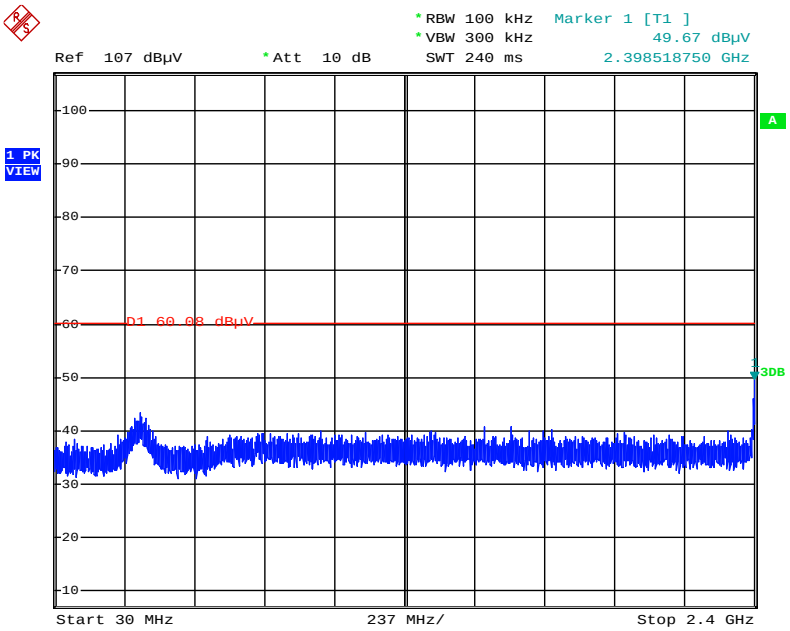

Date: 21.OCT.2015 03:52:23

## Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level / Chain 1



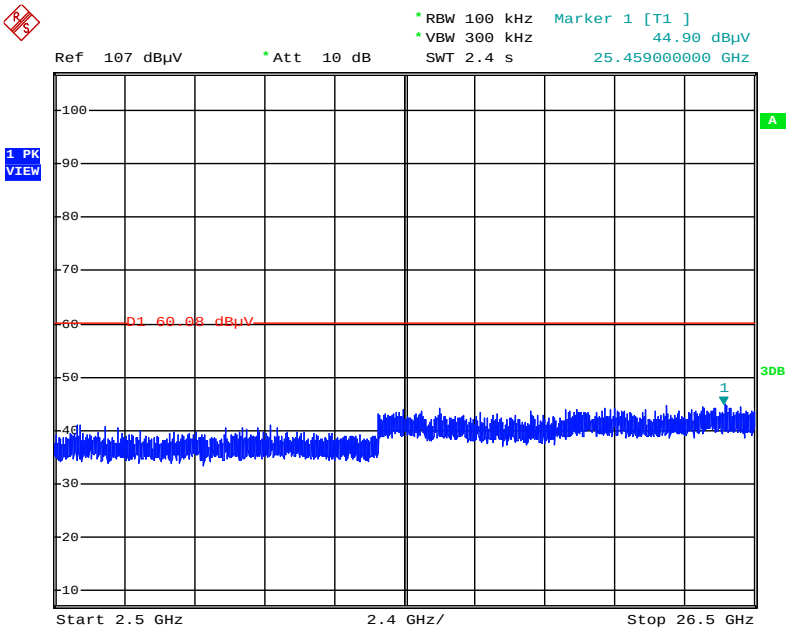

Date: 21.OCT.2015 03:53:35

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc) / Chain 1



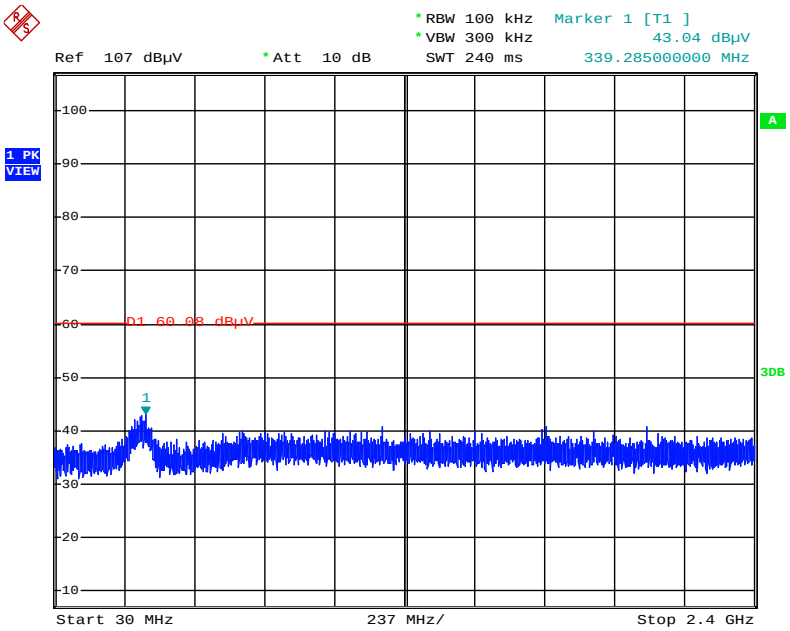

Date: 21.OCT.2015 03:54:21

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc) / Chain 1



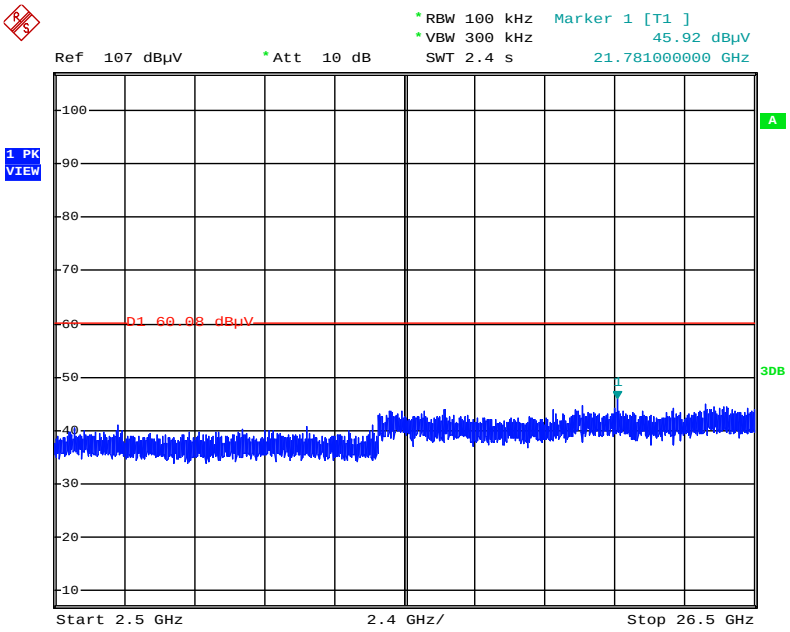

Date: 21.OCT.2015 03:54:41

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc) / Chain 1



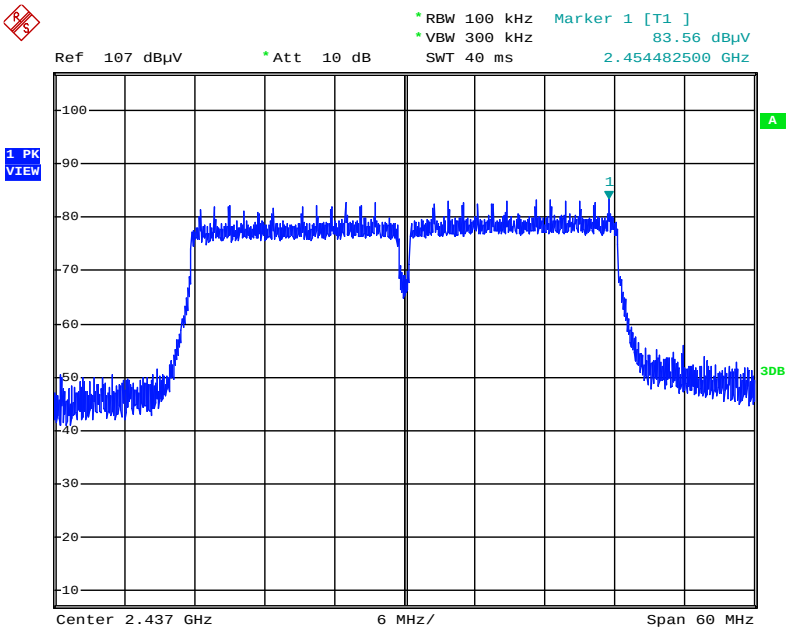

Date: 21.OCT.2015 03:55:34

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc) / Chain 1



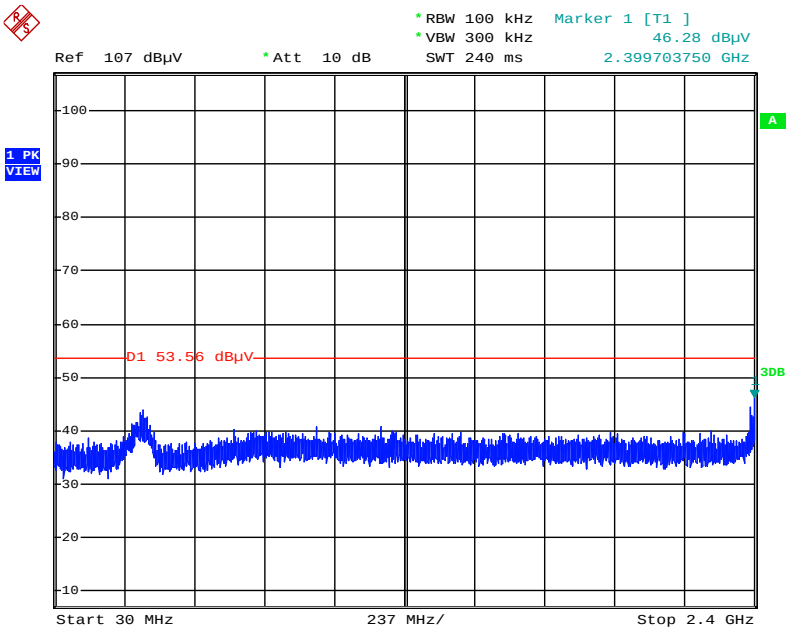

Date: 21.OCT.2015 03:55:16

## Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level / Chain 1



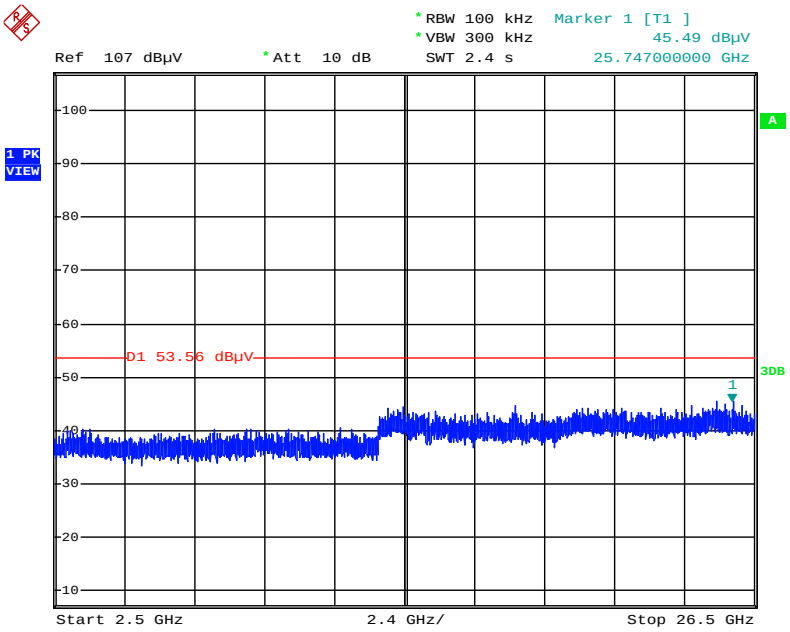

Date: 21.OCT.2015 03:56:39

## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc) / Chain 1



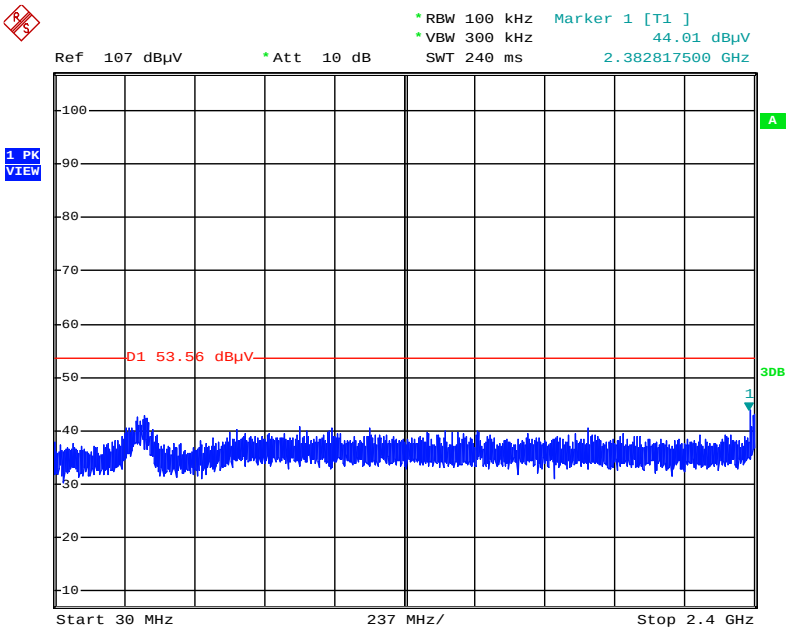

Date: 21.OCT.2015 03:57:31

## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc) / Chain 1



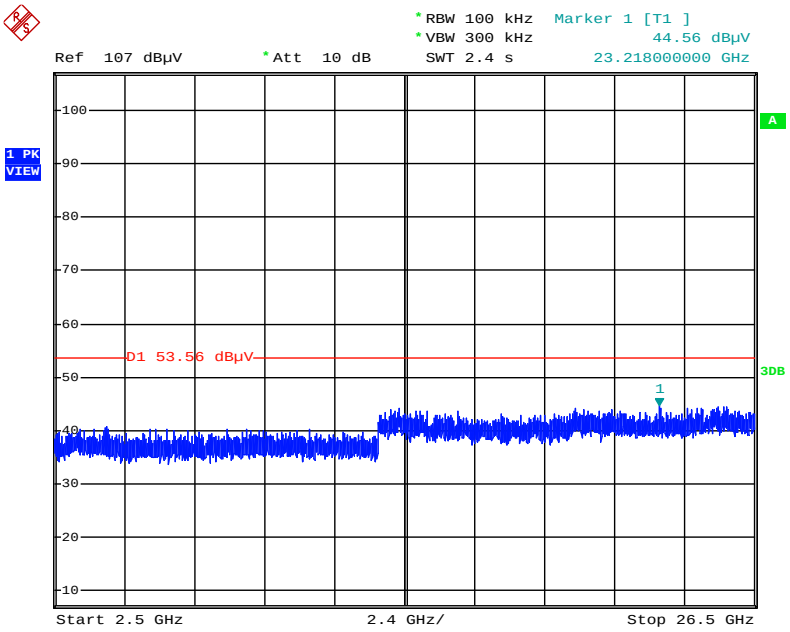

Date: 21.OCT.2015 03:58:04

## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc) / Chain 1




Date: 21.OCT.2015 04:06:55

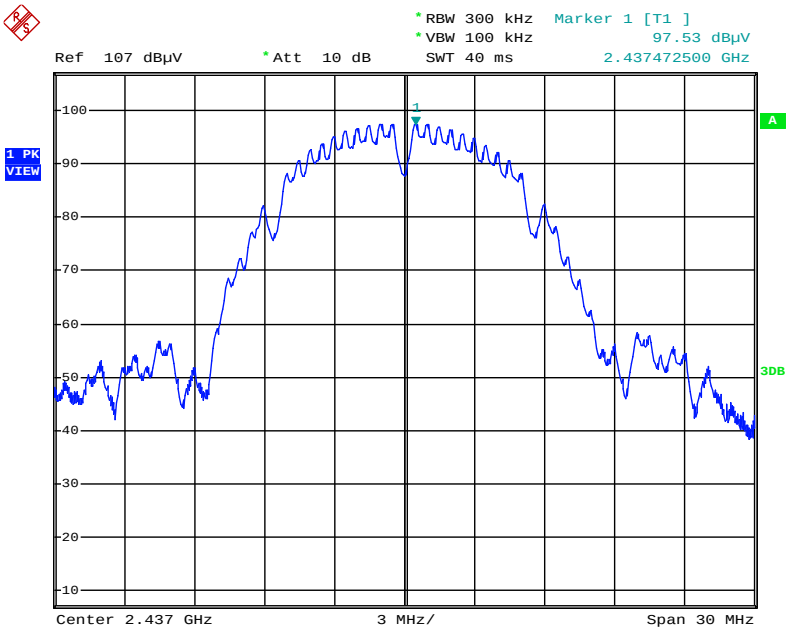
## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc) / Chain 1




Date: 21.OCT.2015 04:06:35

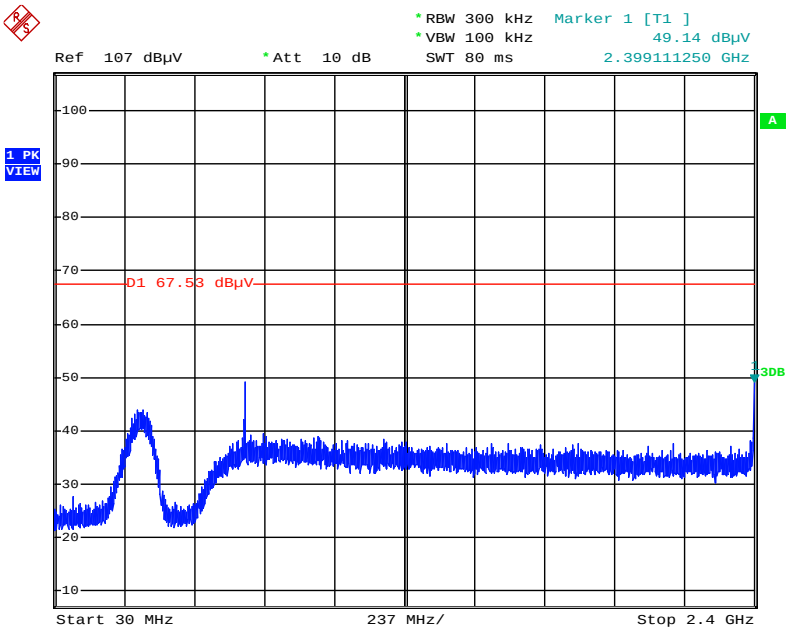
## Mode 1 (Set 3 Dipole antenna / 3.83dBi / 2TX)

### Plot on Configuration IEEE 802.11b / Reference Level / Chain 1 + Chain 2



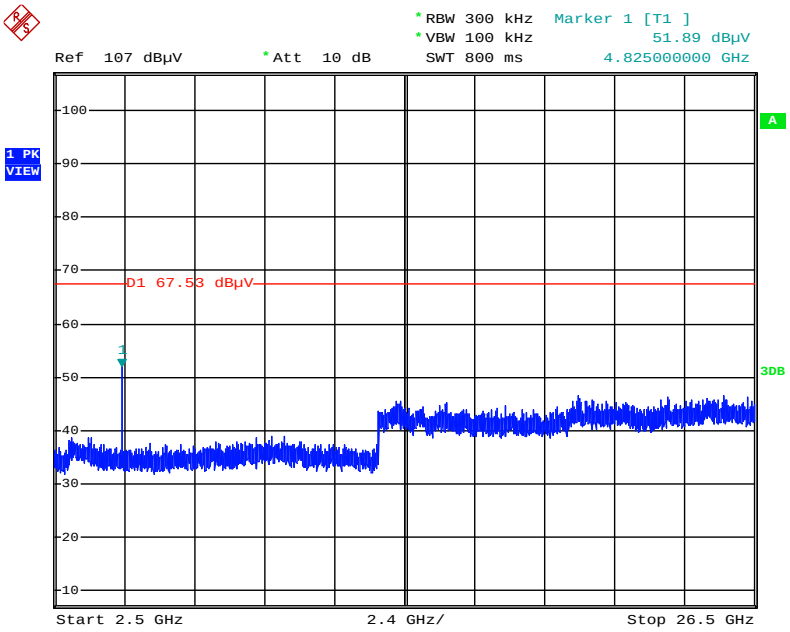

Date: 21.OCT.2015 01:59:36

### Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2



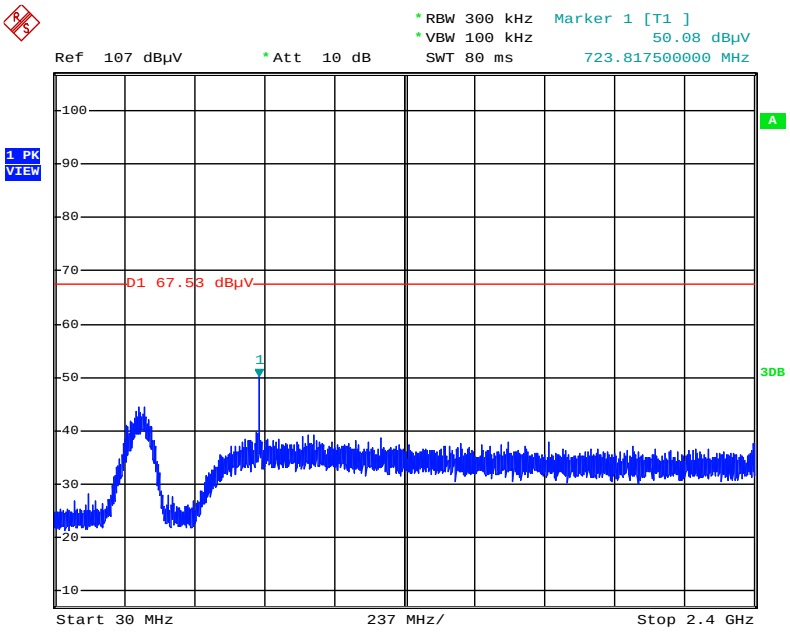

Date: 21.OCT.2015 02:00:34

## Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2



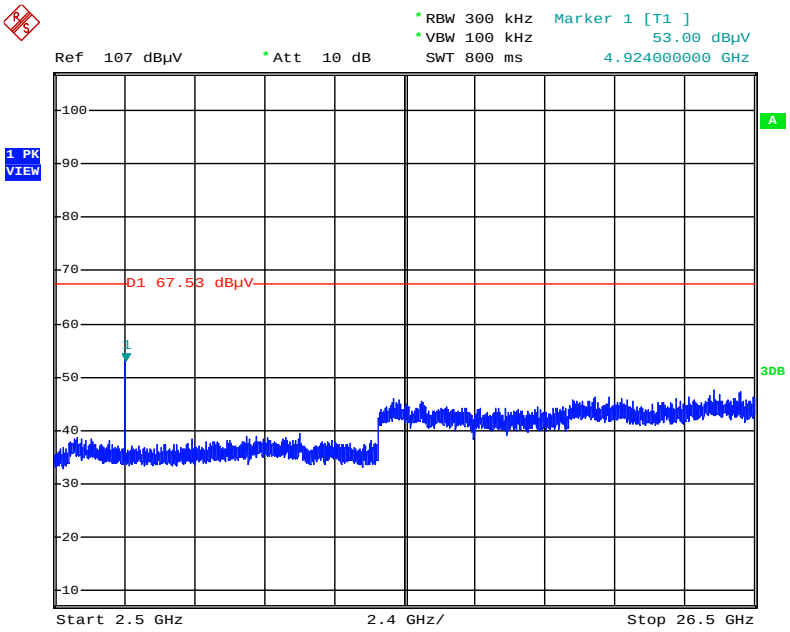

Date: 21.OCT.2015 02:00:52

## Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2



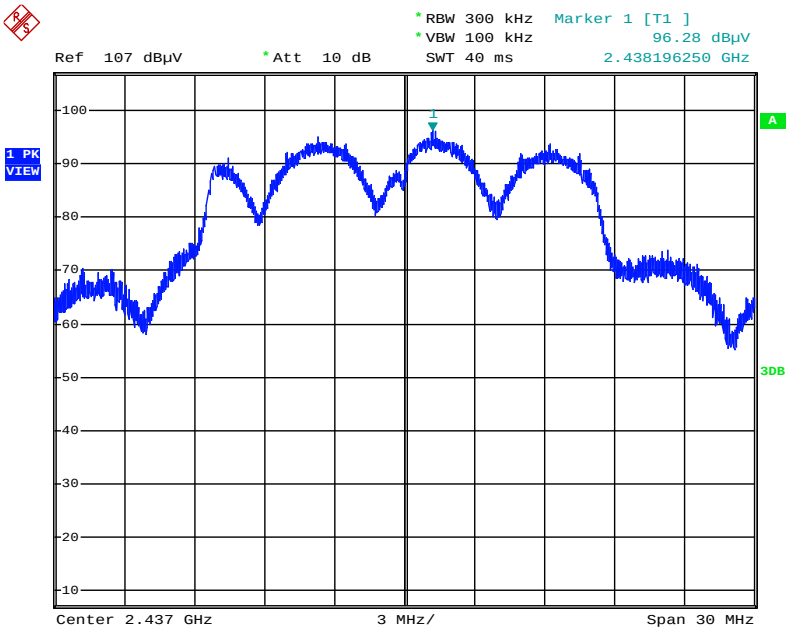

Date: 21.OCT.2015 02:01:48

## Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2



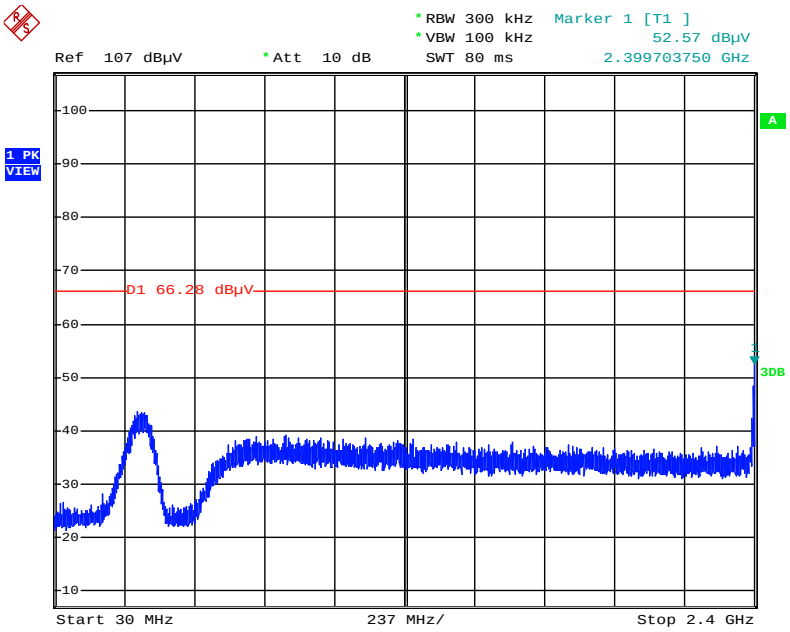

Date: 21.OCT.2015 02:01:34

## Plot on Configuration IEEE 802.11g / Reference Level / Chain 1 + Chain 2



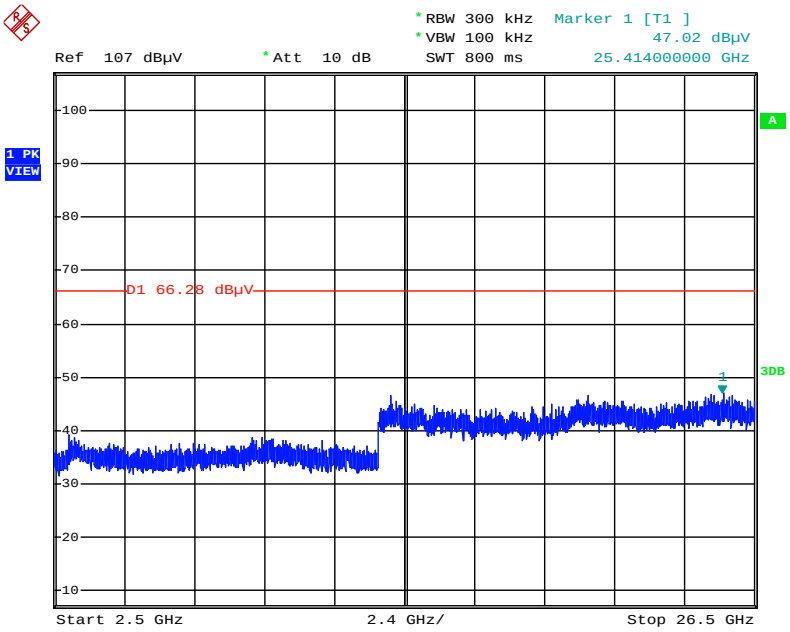

Date: 21.OCT.2015 02:02:39

## Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2



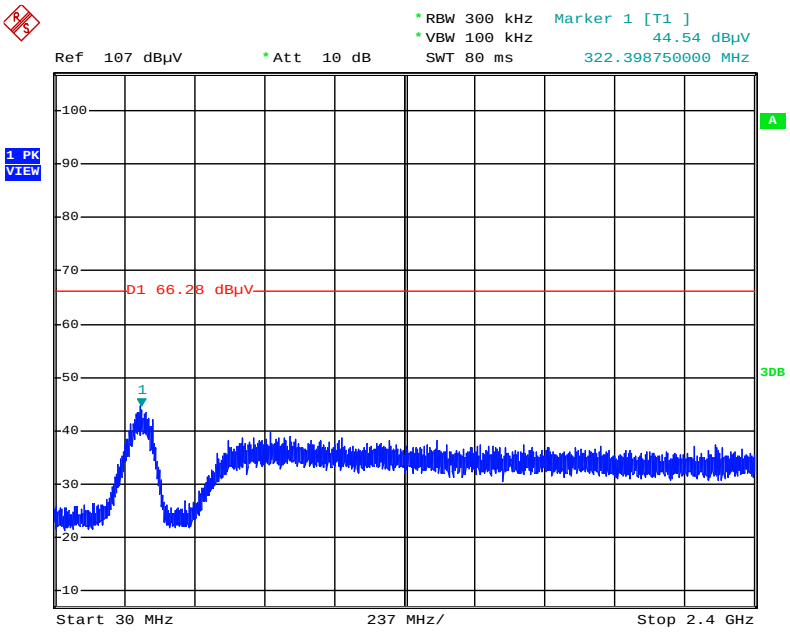

Date: 21.OCT.2015 02:03:31

## Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2



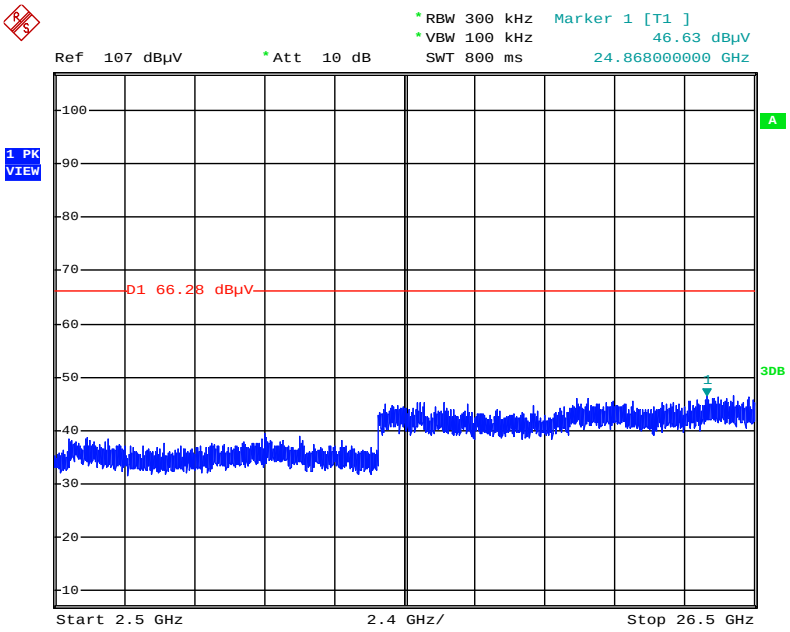

Date: 21.OCT.2015 02:03:52

## Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2



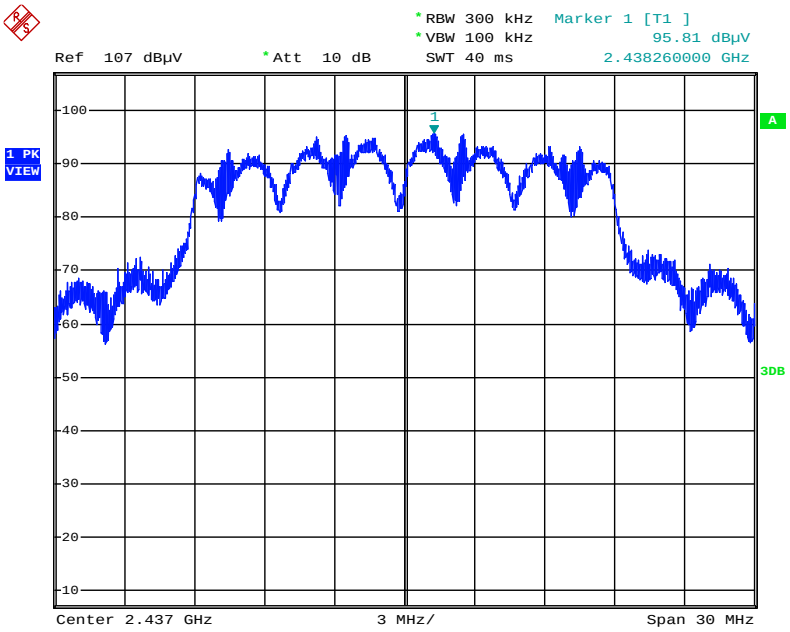

Date: 21.OCT.2015 02:04:41

## Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2



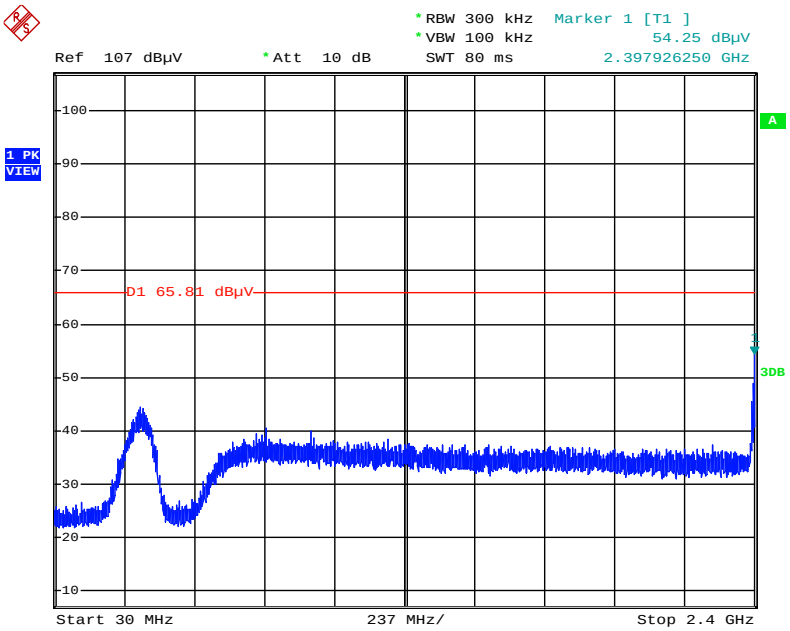

Date: 21.OCT.2015 02:04:22

## Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level / Chain 1 + Chain 2



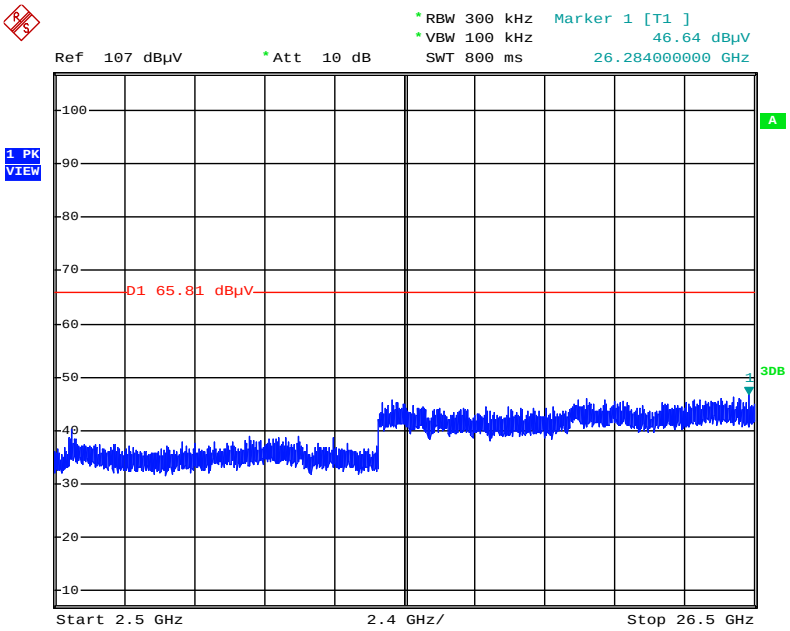

Date: 21.OCT.2015 02:05:37

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2



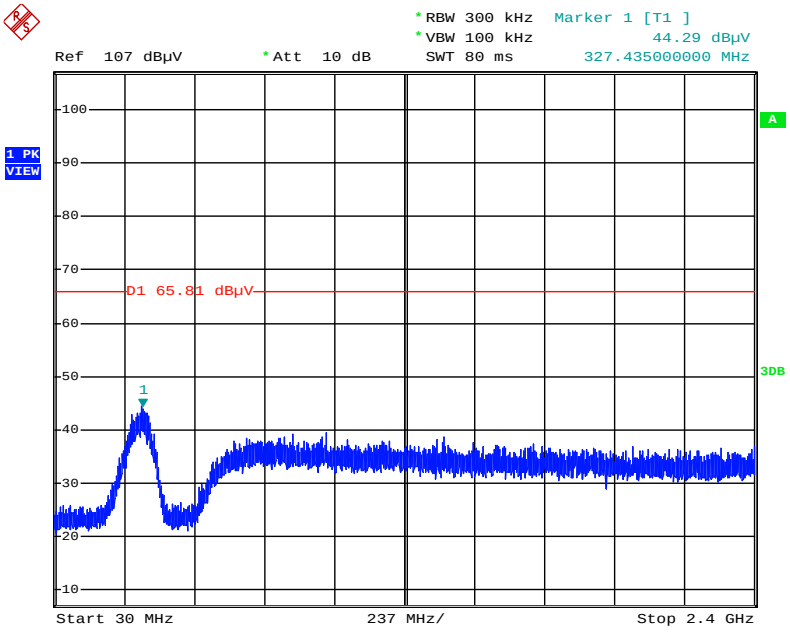

Date: 21.OCT.2015 02:06:45

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2



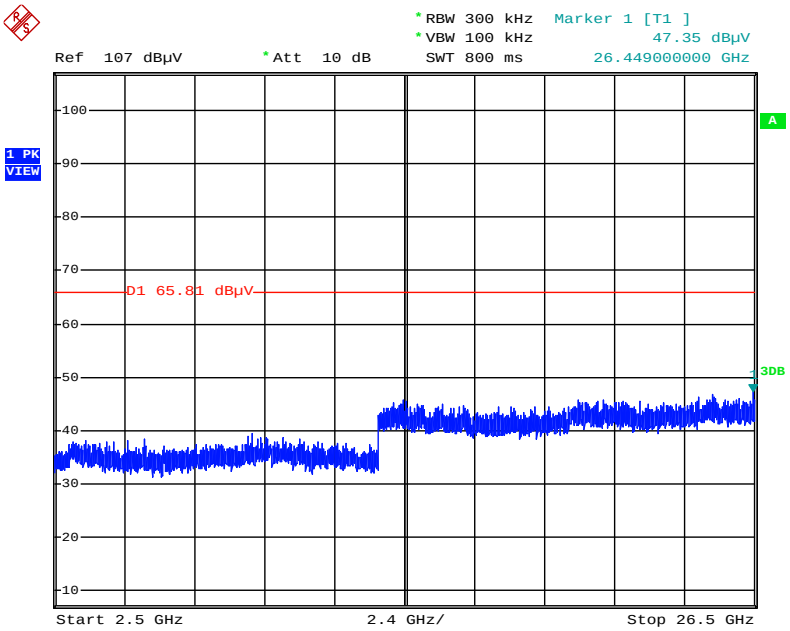

Date: 21.OCT.2015 02:07:03

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2



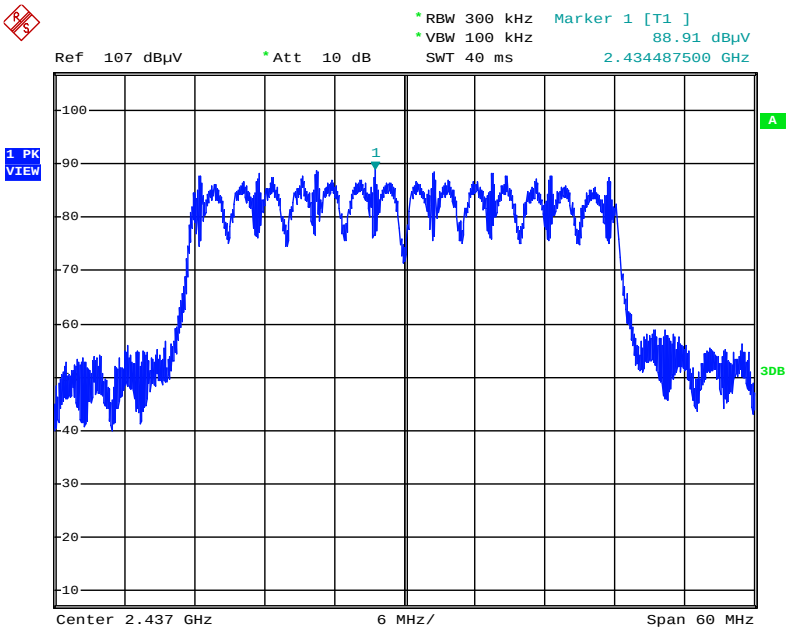

Date: 21.OCT.2015 02:07:47

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2



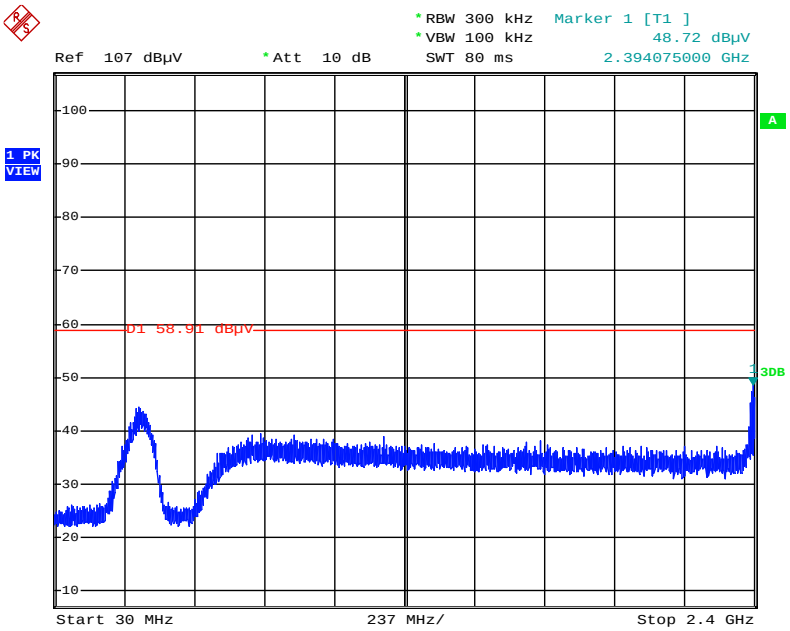

Date: 21.OCT.2015 02:07:32

## Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level / Chain 1 + Chain 2



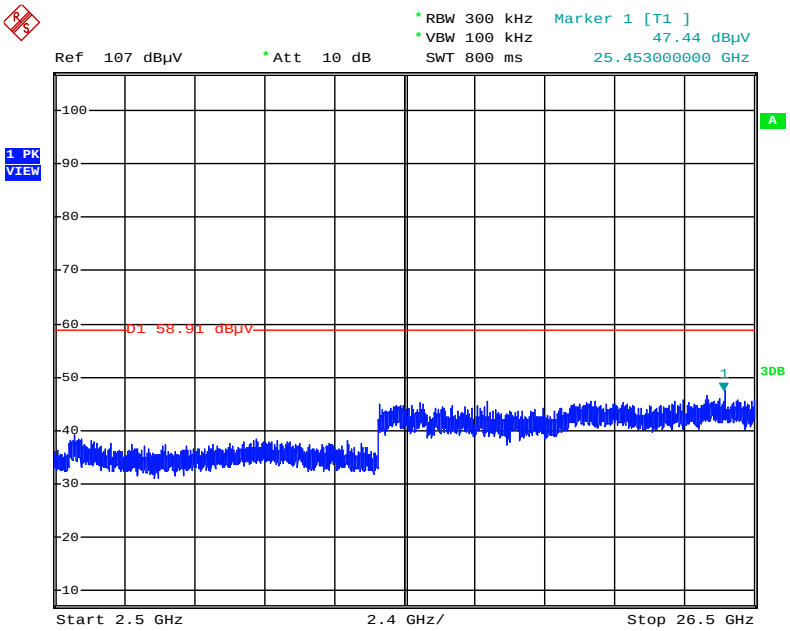

Date: 21.OCT.2015 02:08:49

## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2



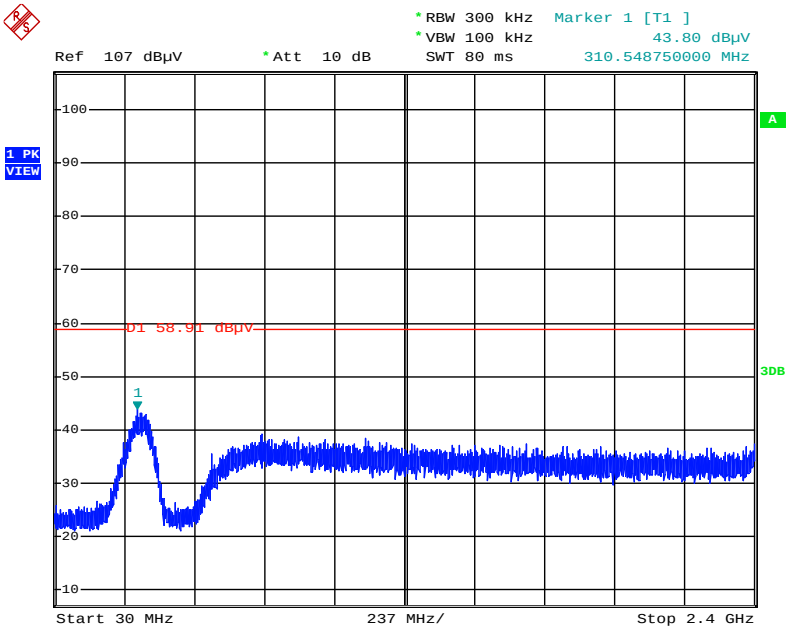

Date: 21.OCT.2015 02:10:08

## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2



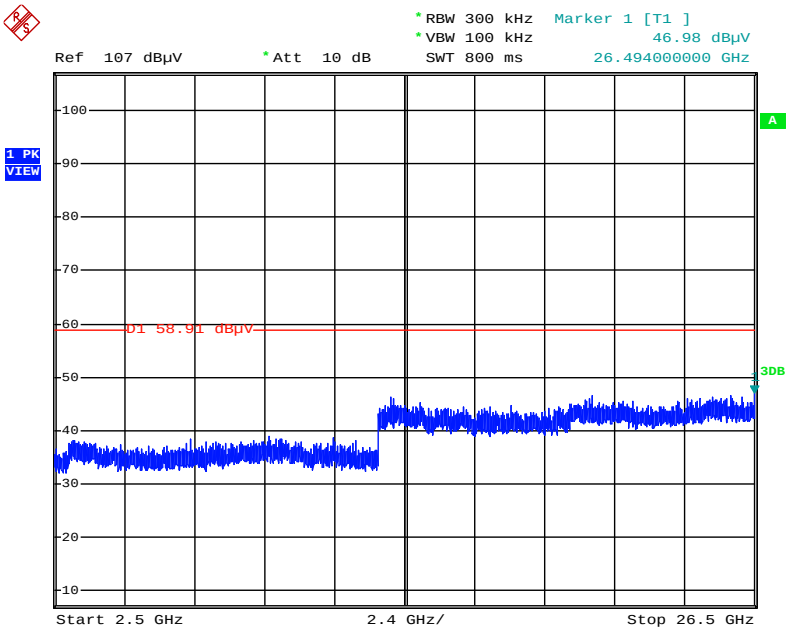

Date: 21.OCT.2015 02:10:25

## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2




Date: 21.OCT.2015 02:11:23

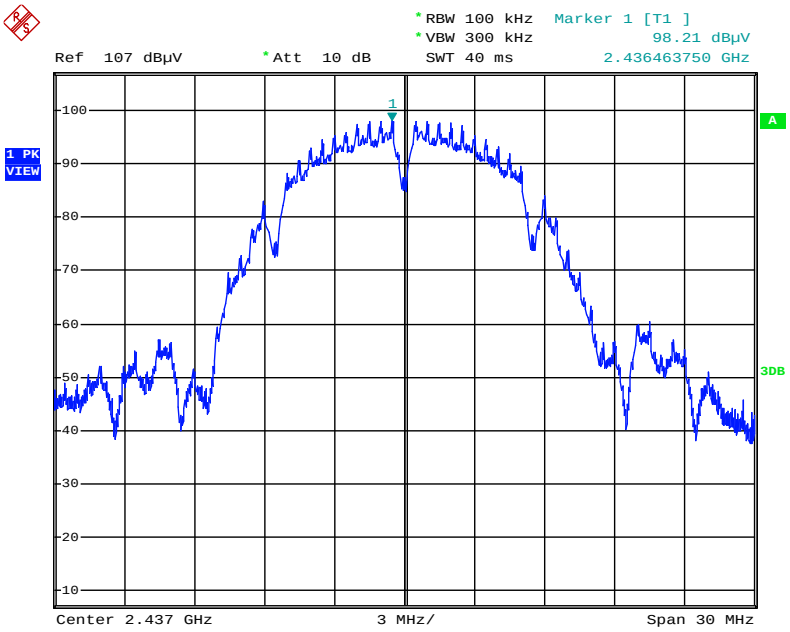
## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2




Date: 21.OCT.2015 02:11:03

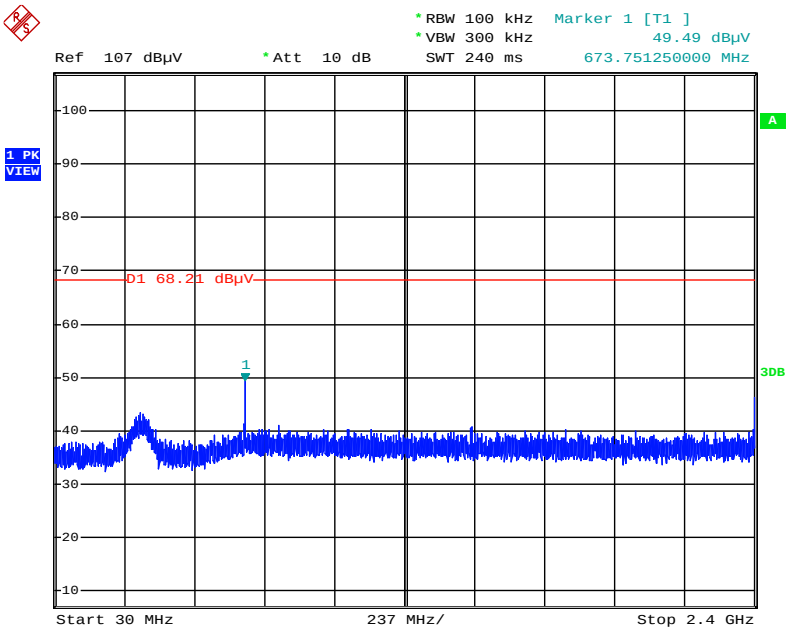
## Mode 1 (Set 3 Dipole antenna / 3.83dBi / 3TX)

## Plot on Configuration IEEE 802.11b / Reference Level / Chain 1 + Chain 2 + Chain 3



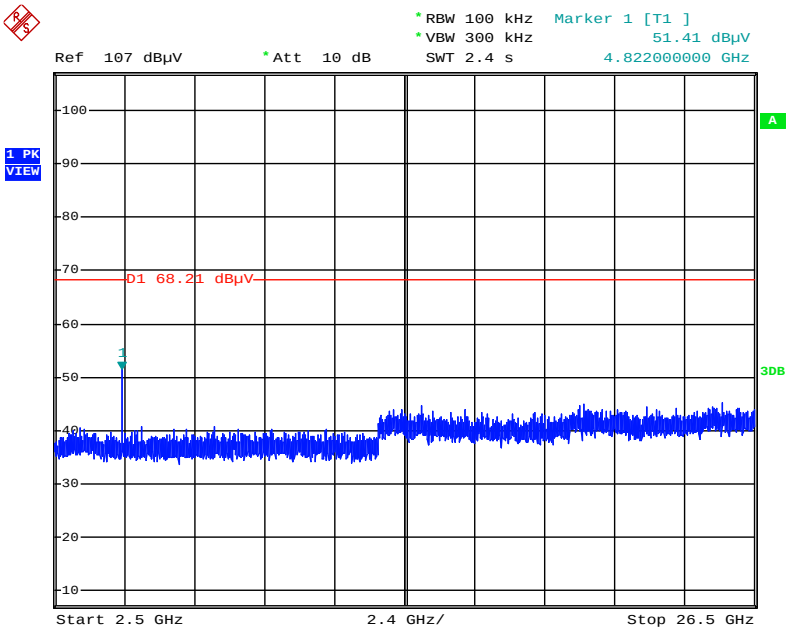

Date: 20.OCT.2015 23:24:12

## Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



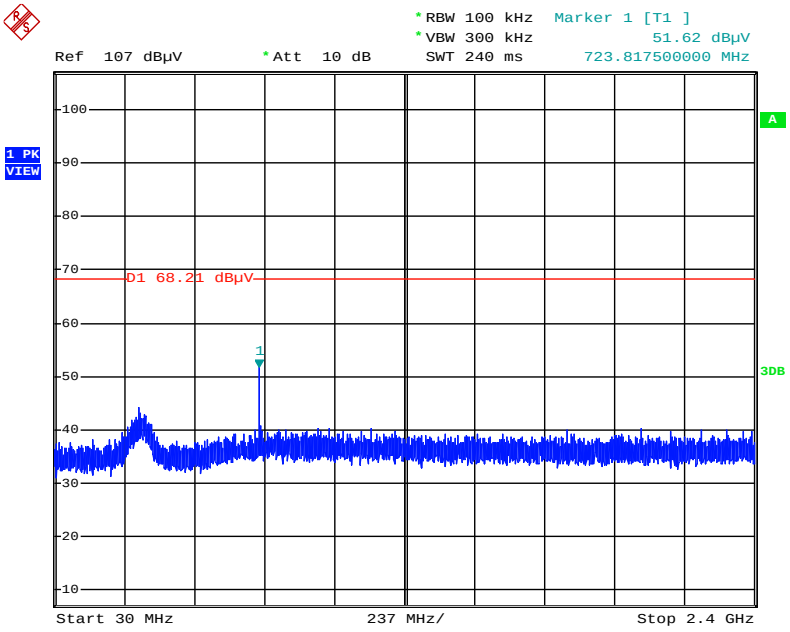

Date: 20.OCT.2015 23:25:30

## Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



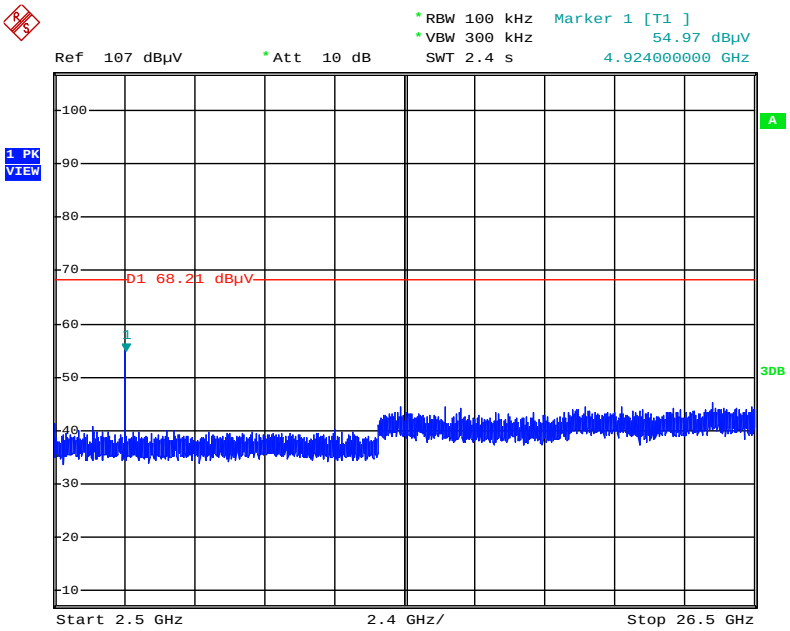

Date: 20.OCT.2015 23:25:53

## Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



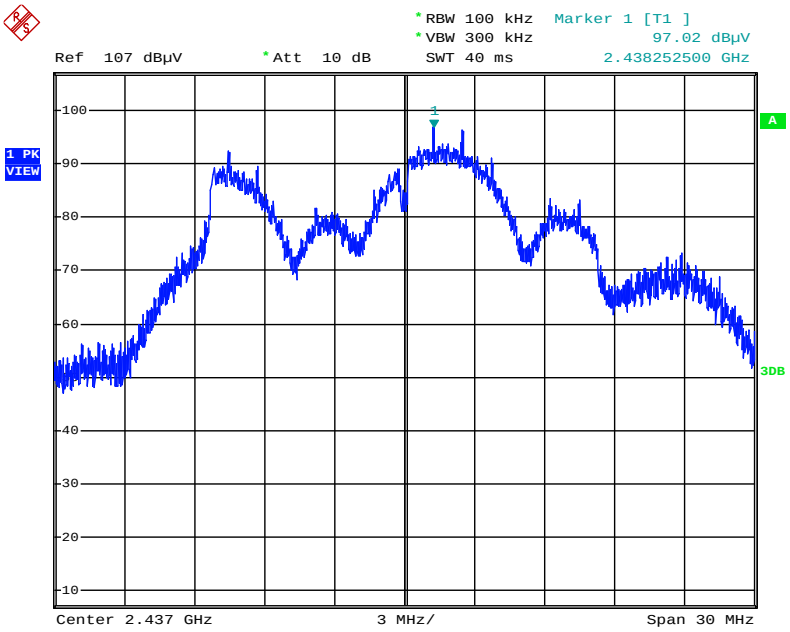

Date: 20.OCT.2015 23:26:57

## Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



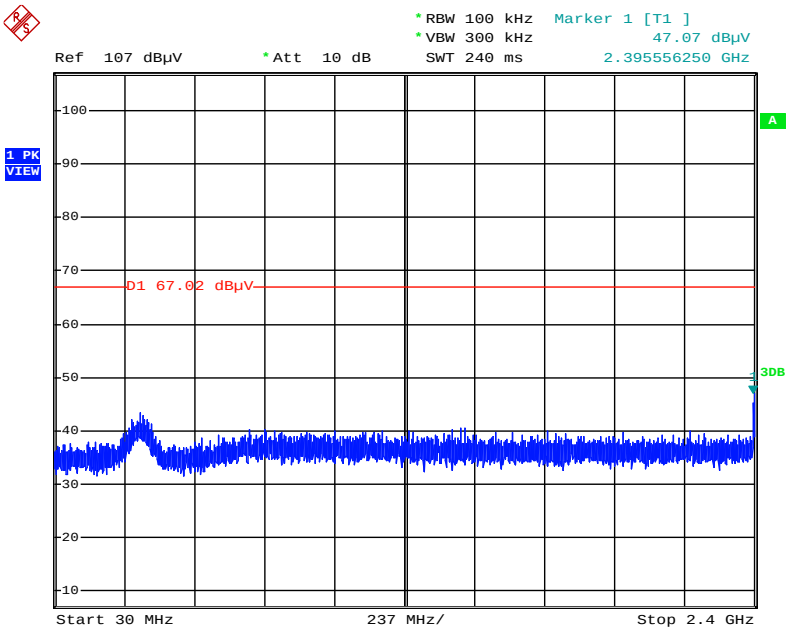

Date: 20.OCT.2015 23:26:40

## Plot on Configuration IEEE 802.11g / Reference Level / Chain 1 + Chain 2 + Chain 3



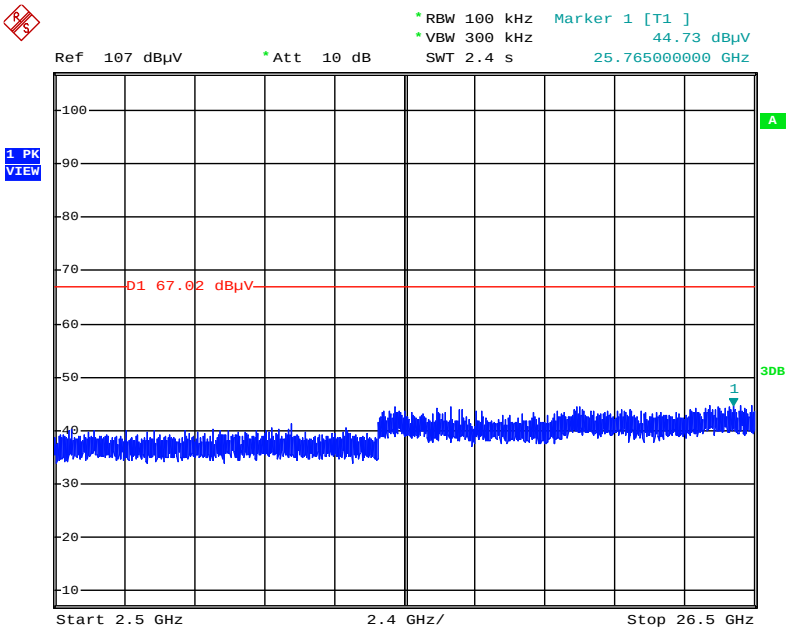

Date: 20.OCT.2015 23:27:59

## Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



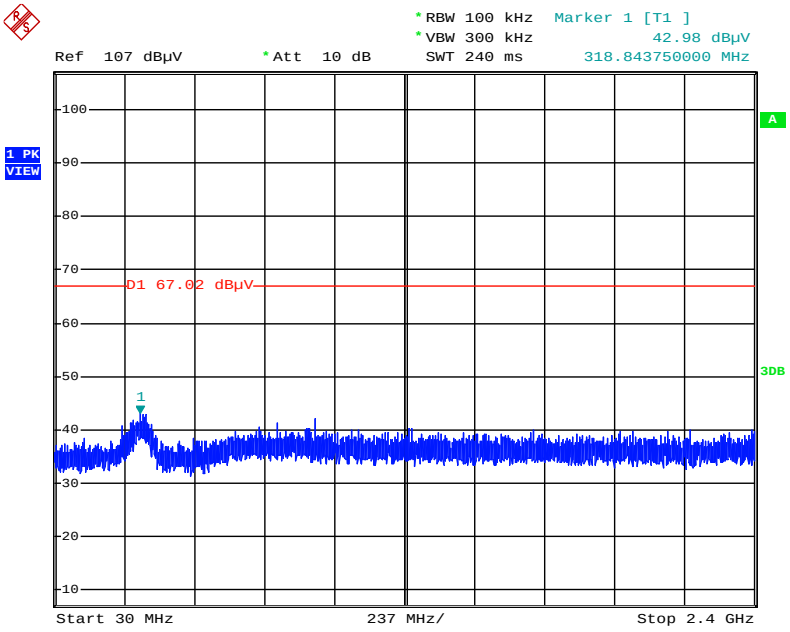

Date: 20.OCT.2015 23:28:53

## Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



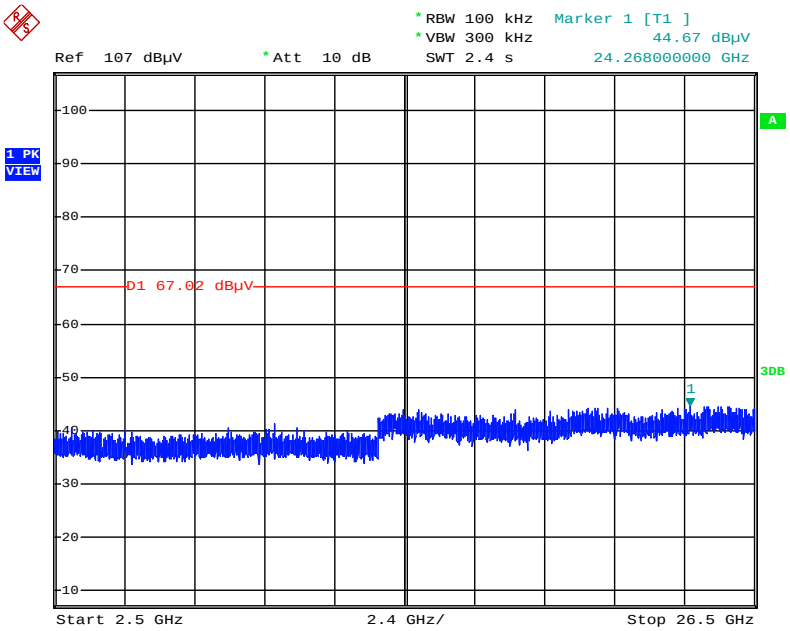

Date: 20.OCT.2015 23:29:16

## Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



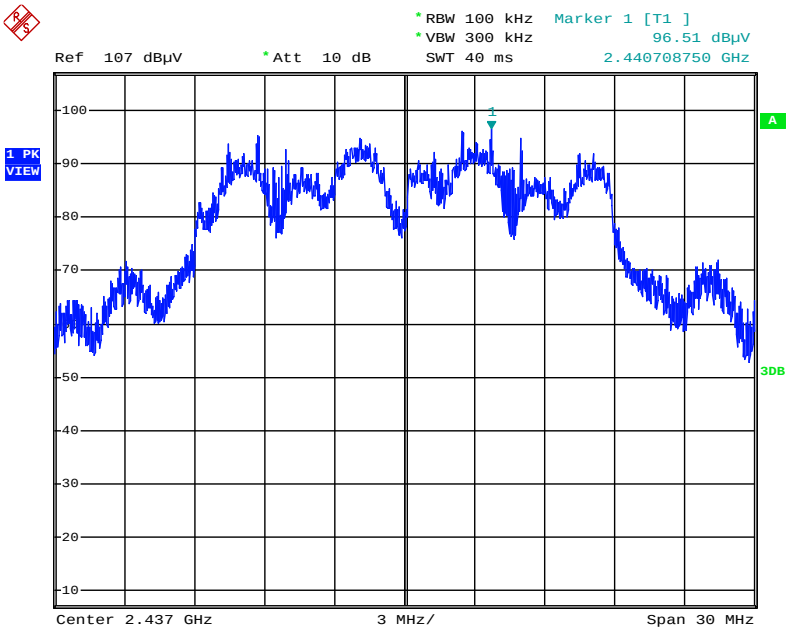

Date: 20.OCT.2015 23:30:14

## Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



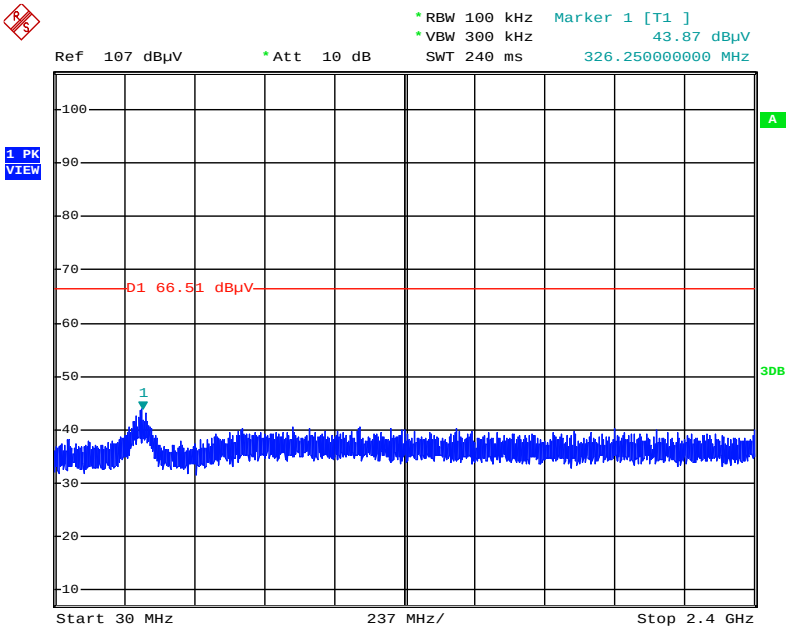

Date: 20.OCT.2015 23:29:56

## Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level / Chain 1 + Chain 2 + Chain 3



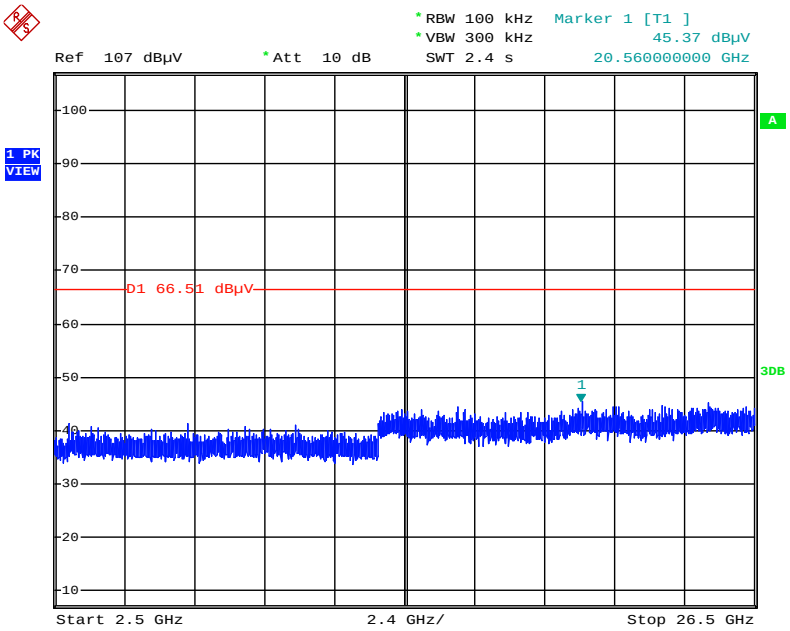

Date: 20.OCT.2015 23:31:07

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



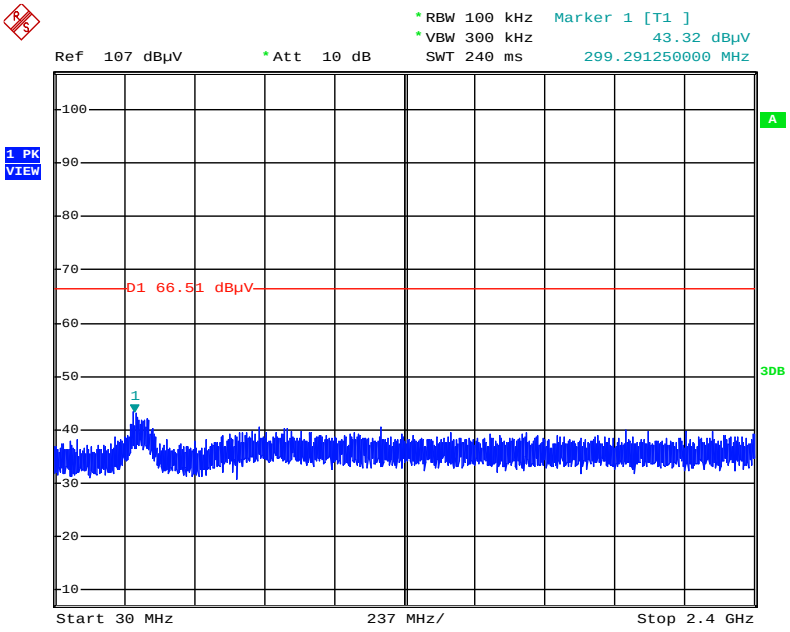

Date: 21.OCT.2015 00:19:25

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



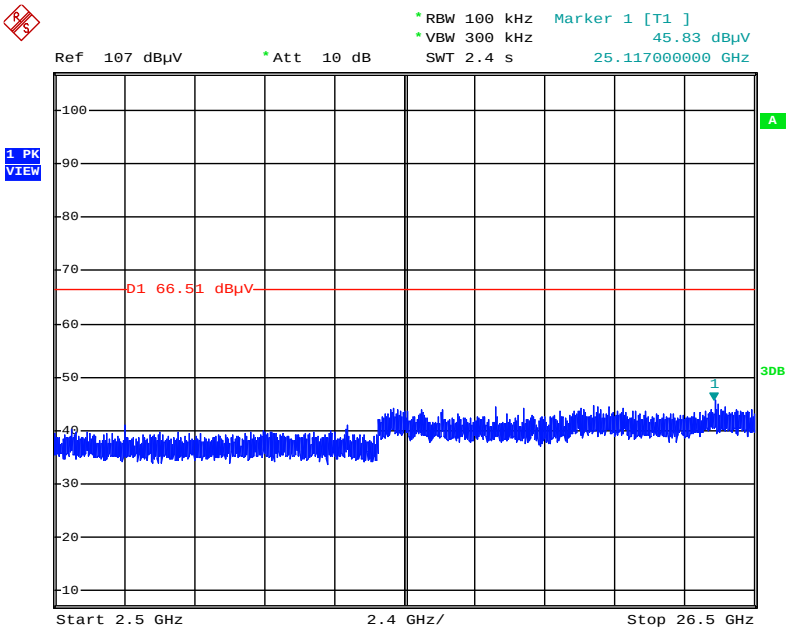

Date: 20.OCT.2015 23:32:42

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



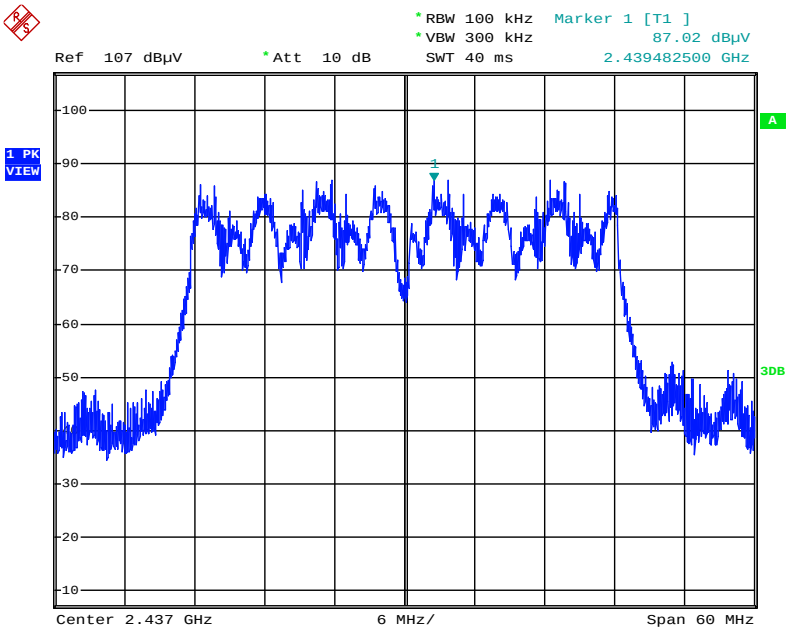

Date: 20.OCT.2015 23:51:43

## Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



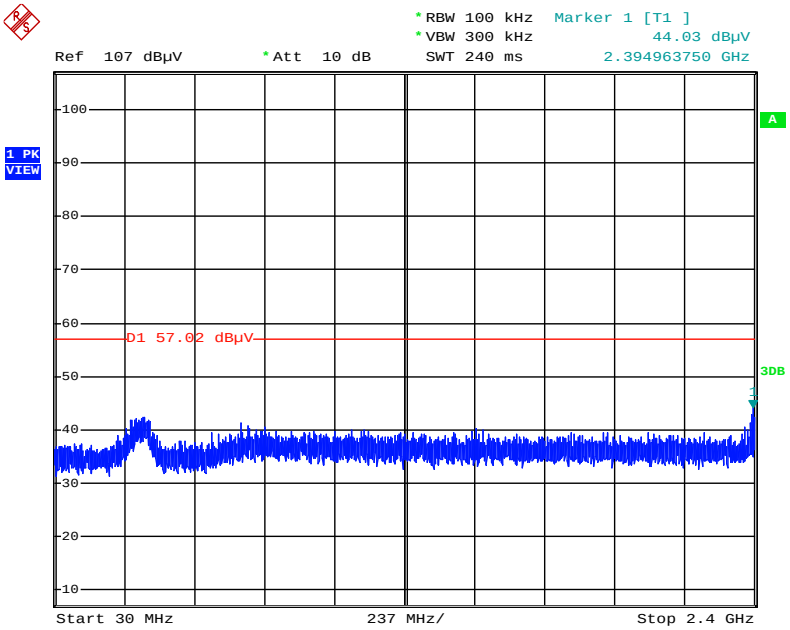

Date: 20.OCT.2015 23:51:18

## Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level / Chain 1 + Chain 2 + Chain 3



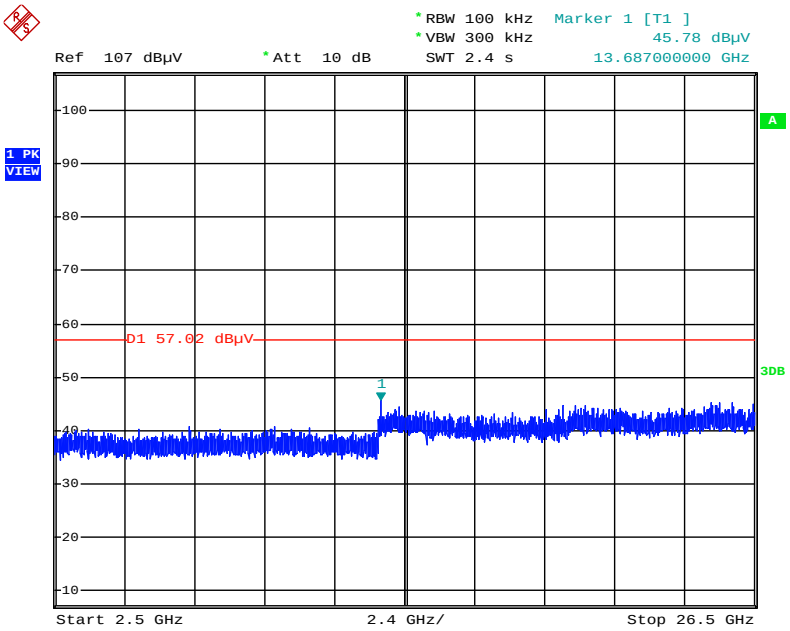

Date: 20.OCT.2015 23:52:48

## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



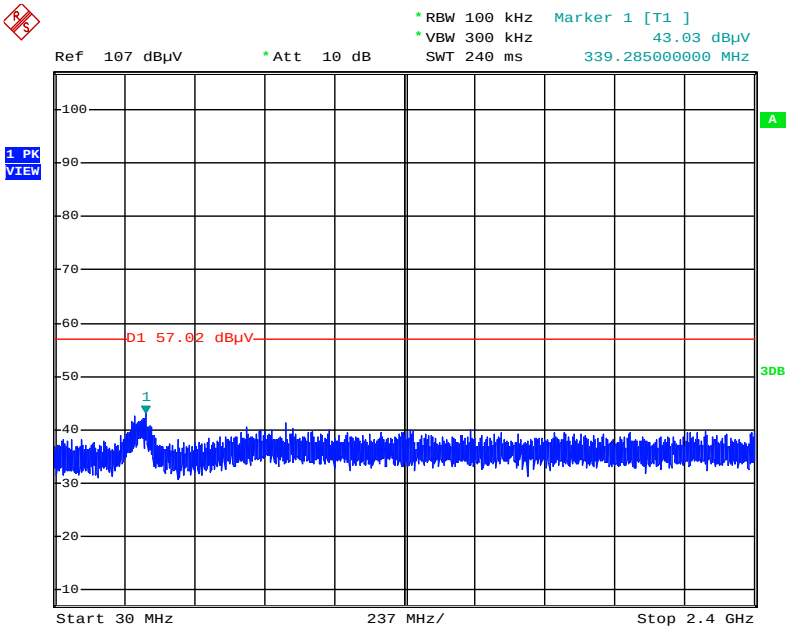

Date: 20.OCT.2015 23:54:01

## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3



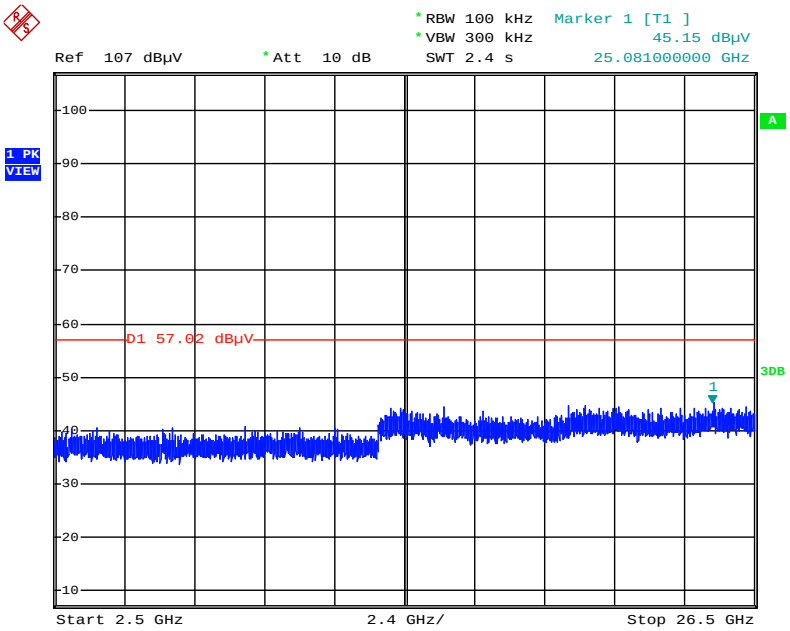

Date: 21.OCT.2015 00:16:08

## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3




Date: 21.OCT.2015 00:18:09

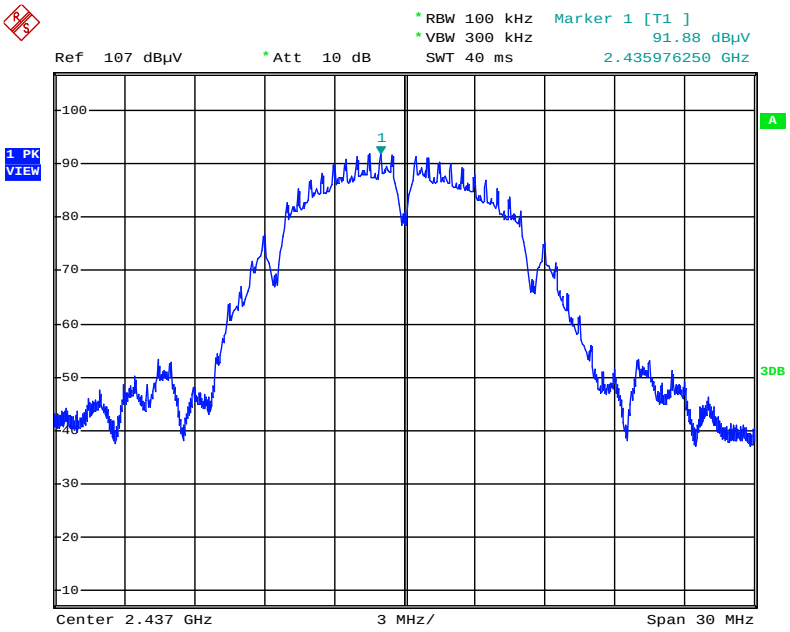
## Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3




Date: 21.OCT.2015 00:17:50

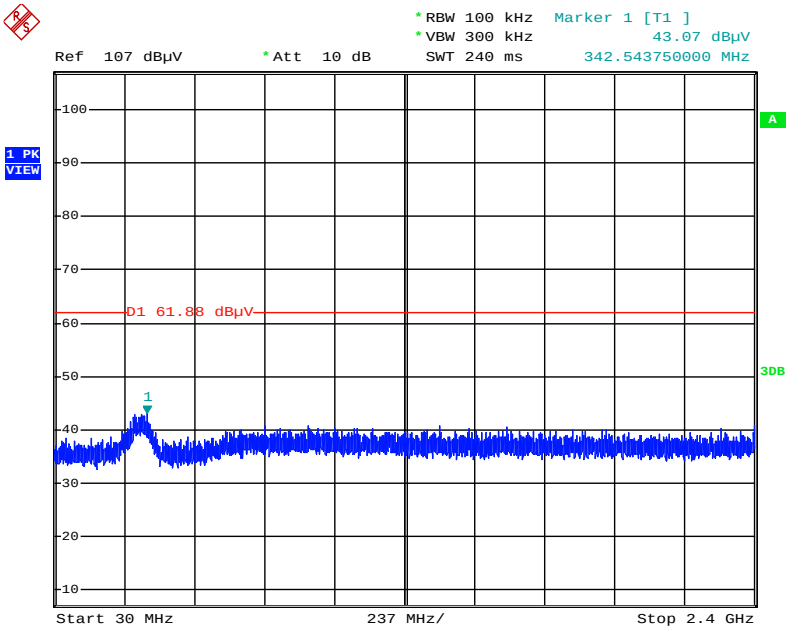
## Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

## Plot on Configuration IEEE 802.11b / Reference Level / Chain 1 + Chain 2 + Chain 3 + Chain 4



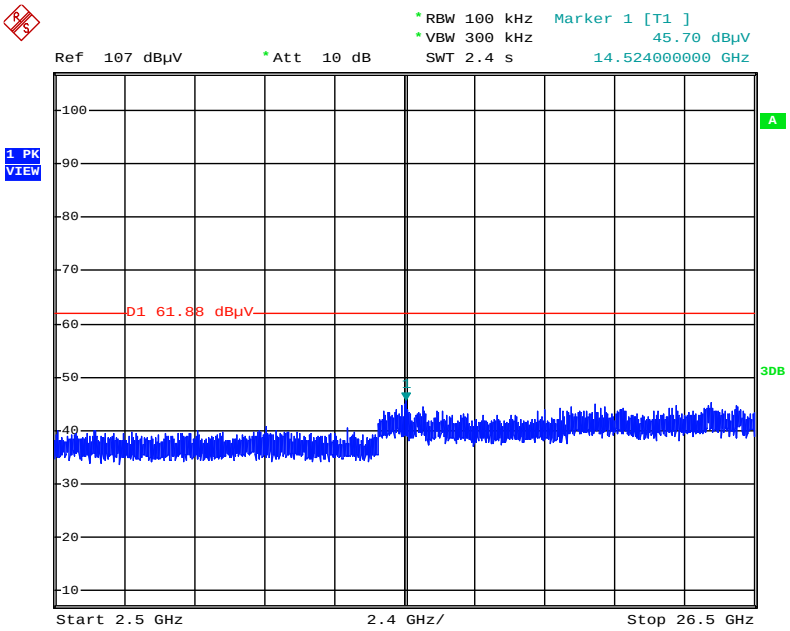

Date: 20.OCT.2015 21:00:35

## Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3 + Chain 4



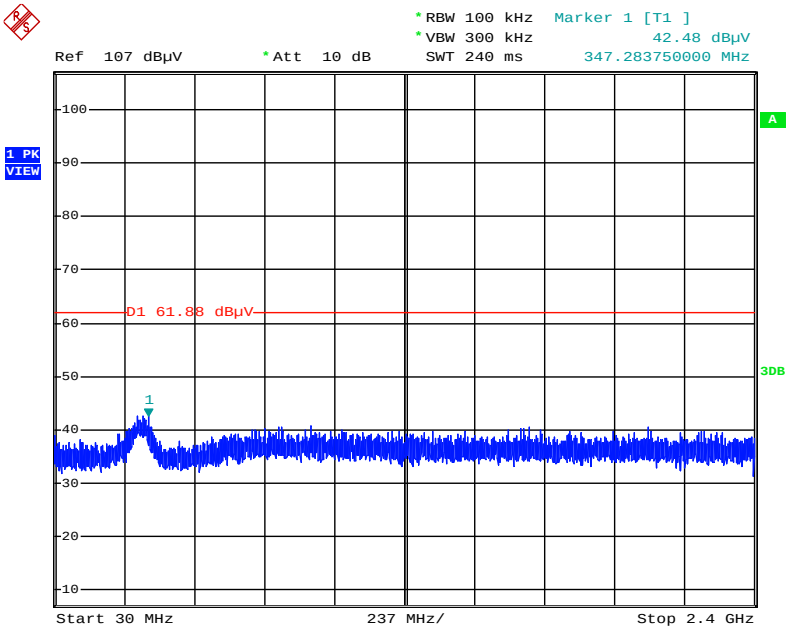

Date: 20.OCT.2015 21:01:56

## Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3 + Chain 4



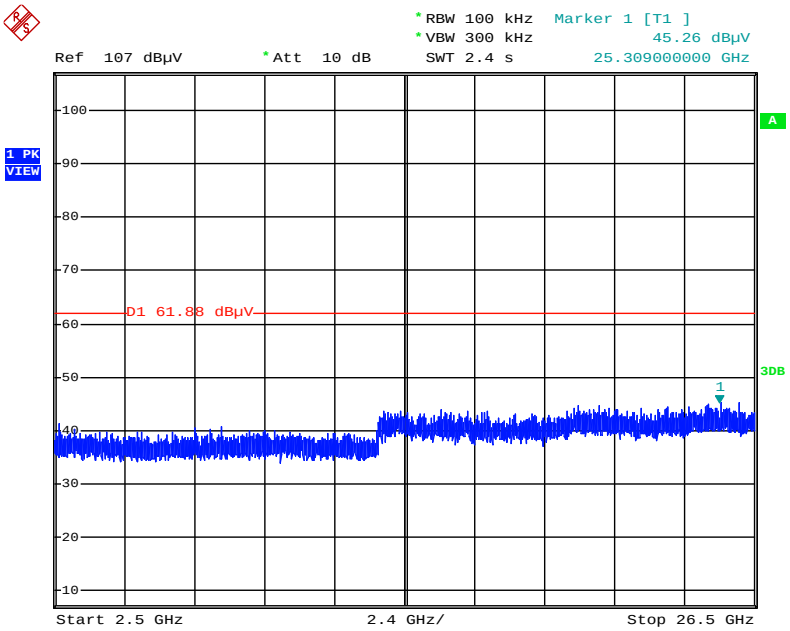

Date: 20.OCT.2015 21:02:18

## Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3 + Chain 4




Date: 20.OCT.2015 21:03:25

## Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc) / Chain 1 + Chain 2 + Chain 3 + Chain 4




Date: 20.OCT.2015 21:03:06