**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 15, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX) | | |

**Channel 144**

| | 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 | 5720.58 | 100.65 | | | 91.94 | 7.41 | 34.43 | 33.13 | 186 | 36 | Average | VERTICAL |
| 2 | 5721.16 | 109.63 | | | 100.92 | 7.41 | 34.43 | 33.13 | 186 | 36 | Peak | VERTICAL |
| 3 | 5852.32 | 62.94 | 74.00 | -11.06 | 54.06 | 7.54 | 34.51 | 33.17 | 186 | 36 | Peak | VERTICAL |
| 4 | 5881.26 | 50.27 | 54.00 | -3.73 | 41.18 | 7.74 | 34.53 | 33.18 | 186 | 36 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 15, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX) | | |

**Channel 144**

| | 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 | 5715.37 | 100.85 | | | 92.15 | 7.41 | 34.42 | 33.13 | 185 | 37 | Average | VERTICAL |
| 2 | 5715.95 | 110.54 | | | 101.84 | 7.41 | 34.42 | 33.13 | 185 | 37 | Peak | VERTICAL |
| 3 | 5880.10 | 50.00 | 54.00 | -4.00 | 40.91 | 7.74 | 34.53 | 33.18 | 185 | 37 | Average | VERTICAL |
| 4 | 5890.52 | 62.11 | 74.00 | -11.89 | 53.02 | 7.74 | 34.54 | 33.19 | 185 | 37 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 142 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 15, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX) | | |

**Channel 142**

| | 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 | 5722.74 | 107.54 | | | 98.83 | 7.41 | 34.43 | 33.13 | 219 | 360 | Peak | VERTICAL |
| 2 | 5727.37 | 98.36 | | | 89.69 | 7.37 | 34.43 | 33.13 | 219 | 360 | Average | VERTICAL |
| 3 | 5853.47 | 49.57 | 54.00 | -4.43 | 40.69 | 7.54 | 34.51 | 33.17 | 219 | 360 | Average | VERTICAL |
| 4 | 5854.63 | 60.94 | 74.00 | -13.06 | 52.05 | 7.54 | 34.52 | 33.17 | 219 | 360 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 15, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX) | | |

**Channel 138**

| | 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 | 5681.32 | 94.29 | | | 85.53 | 7.48 | 34.40 | 33.12 | 243 | 17 | Average | HORIZONTAL |
| 2 | 5686.38 | 105.28 | | | 96.51 | 7.48 | 34.41 | 33.12 | 243 | 17 | Peak | HORIZONTAL |
| 3 | 5851.45 | 51.01 | 54.00 | -2.99 | 42.13 | 7.54 | 34.51 | 33.17 | 243 | 17 | Average | HORIZONTAL |
| 4 | 5859.41 | 62.86 | 74.00 | -11.14 | 53.88 | 7.64 | 34.52 | 33.18 | 243 | 17 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 15, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) | | |

**Channel 52**

| | 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 | 5146.53 | 60.81 | 74.00 | -13.19 | 52.91 | 7.21 | 33.74 | 33.05 | 182 | 257 | Peak | HORIZONTAL |
| 2 | 5149.57 | 48.37 | 54.00 | -5.63 | 40.47 | 7.21 | 33.74 | 33.05 | 182 | 257 | Average | HORIZONTAL |
| 3 | 5262.60 | 114.24 | | | 106.03 | 7.34 | 33.93 | 33.06 | 182 | 257 | Peak | HORIZONTAL |
| 4 | 5263.47 | 104.00 | | | 95.79 | 7.34 | 33.93 | 33.06 | 182 | 257 | Average | HORIZONTAL |
| 5 | 5350.00 | 49.01 | 54.00 | -4.99 | 40.71 | 7.30 | 34.06 | 33.06 | 182 | 257 | Average | HORIZONTAL |
| 6 | 5350.00 | 61.52 | 74.00 | -12.48 | 53.22 | 7.30 | 34.06 | 33.06 | 182 | 257 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5302.89 | 113.00 | | | 104.76 | 7.32 | 33.98 | 33.06 | 153 | 255 | Peak | HORIZONTAL |
| 2 | 5303.47 | 103.36 | | | 95.12 | 7.32 | 33.98 | 33.06 | 153 | 255 | Average | HORIZONTAL |
| 3 | 5373.44 | 49.94 | 54.00 | -4.06 | 41.61 | 7.30 | 34.09 | 33.06 | 153 | 255 | Average | HORIZONTAL |
| 4 | 5377.79 | 63.57 | 74.00 | -10.43 | 55.22 | 7.30 | 34.11 | 33.06 | 153 | 255 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5317.25 | 113.81 | | | 105.54 | 7.32 | 34.01 | 33.06 | 183 | 144 | Peak | HORIZONTAL |
| 2 | 5326.51 | 103.50 | | | 95.21 | 7.32 | 34.03 | 33.06 | 183 | 144 | Average | HORIZONTAL |
| 3 | 5350.14 | 51.37 | 54.00 | -2.63 | 43.07 | 7.30 | 34.06 | 33.06 | 183 | 144 | Average | HORIZONTAL |
| 4 | 5355.93 | 66.07 | 74.00 | -7.93 | 57.77 | 7.30 | 34.06 | 33.06 | 183 | 144 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 15, 2015 ~ Nov. 16, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) | | |

**Channel 100**

| | 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 | 5457.97 | 50.56 | 54.00 | -3.44 | 41.03 | 8.36 | 34.23 | 33.06 | 203 | 338 | Average | VERTICAL |
| 2 | 5460.00 | 63.42 | 74.00 | -10.58 | 53.89 | 8.36 | 34.23 | 33.06 | 203 | 338 | Peak | VERTICAL |
| 3 | 5467.40 | 63.88 | 74.00 | -10.12 | 54.28 | 8.41 | 34.25 | 33.06 | 203 | 338 | Peak | VERTICAL |
| 4 | 5468.26 | 50.85 | 54.00 | -3.15 | 41.25 | 8.41 | 34.25 | 33.06 | 203 | 338 | Average | VERTICAL |
| 5 | 5498.26 | 113.88 | | | 104.13 | 8.51 | 34.30 | 33.06 | 203 | 338 | Peak | VERTICAL |
| 6 | 5499.42 | 104.31 | | | 94.56 | 8.51 | 34.30 | 33.06 | 203 | 338 | Average | VERTICAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5423.10 | 50.41 | 54.00 | -3.59 | 41.02 | 8.27 | 34.18 | 33.06 | 176 | 137 | Average | HORIZONTAL |
| 2 | 5424.54 | 63.01 | 74.00 | -10.99 | 53.62 | 8.27 | 34.18 | 33.06 | 176 | 137 | Peak | HORIZONTAL |
| 3 | 5465.66 | 61.78 | 74.00 | -12.22 | 52.18 | 8.41 | 34.25 | 33.06 | 176 | 137 | Peak | HORIZONTAL |
| 4 | 5470.00 | 48.42 | 54.00 | -5.58 | 38.82 | 8.41 | 34.25 | 33.06 | 176 | 137 | Average | HORIZONTAL |
| 5 | 5583.62 | 104.74 | | | 94.73 | 8.75 | 34.35 | 33.09 | 176 | 137 | Average | HORIZONTAL |
| 6 | 5584.34 | 115.92 | | | 105.91 | 8.75 | 34.35 | 33.09 | 176 | 137 | Peak | HORIZONTAL |
| 7 | 5738.02 | 63.70 | 74.00 | -10.30 | 53.93 | 8.47 | 34.44 | 33.14 | 176 | 137 | Peak | HORIZONTAL |
| 8 | 5819.07 | 50.80 | 54.00 | -3.20 | 41.08 | 8.39 | 34.49 | 33.16 | 176 | 137 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5702.60 | 114.30 | | | 104.45 | 8.56 | 34.42 | 33.13 | 175 | 131 | Peak | HORIZONTAL |
| 2 | 5703.33 | 102.40 | | | 92.55 | 8.56 | 34.42 | 33.13 | 175 | 131 | Average | HORIZONTAL |
| 3 | 5725.00 | 52.97 | 54.00 | -1.03 | 43.19 | 8.47 | 34.44 | 33.13 | 175 | 131 | Average | HORIZONTAL |
| 4 | 5726.16 | 68.37 | 74.00 | -5.63 | 58.59 | 8.47 | 34.44 | 33.13 | 175 | 131 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 16, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) | | |

**Channel 52**

| | 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 | 5133.94 | 61.36 | 74.00 | -12.64 | 52.60 | 8.09 | 33.72 | 33.05 | 175 | 239 | Peak | HORIZONTAL |
| 2 | 5150.00 | 47.87 | 54.00 | -6.13 | 39.03 | 8.15 | 33.74 | 33.05 | 175 | 239 | Average | HORIZONTAL |
| 3 | 5255.66 | 114.23 | | | 105.11 | 8.27 | 33.91 | 33.06 | 175 | 239 | Peak | HORIZONTAL |
| 4 | 5265.64 | 102.67 | | | 93.53 | 8.26 | 33.94 | 33.06 | 175 | 239 | Average | HORIZONTAL |
| 5 | 5350.00 | 48.60 | 54.00 | -5.40 | 39.40 | 8.20 | 34.06 | 33.06 | 175 | 239 | Average | HORIZONTAL |
| 6 | 5350.00 | 61.91 | 74.00 | -12.09 | 52.71 | 8.20 | 34.06 | 33.06 | 175 | 239 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5305.21 | 102.11 | | | 92.95 | 8.24 | 33.98 | 33.06 | 175 | 240 | Average | HORIZONTAL |
| 2 | 5305.21 | 114.27 | | | 105.11 | 8.24 | 33.98 | 33.06 | 175 | 240 | Peak | HORIZONTAL |
| 3 | 5350.00 | 49.17 | 54.00 | -4.83 | 39.97 | 8.20 | 34.06 | 33.06 | 175 | 240 | Average | HORIZONTAL |
| 4 | 5351.45 | 61.70 | 74.00 | -12.30 | 52.50 | 8.20 | 34.06 | 33.06 | 175 | 240 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5315.80 | 114.33 | | | 105.15 | 8.23 | 34.01 | 33.06 | 176 | 247 | Peak | HORIZONTAL |
| 2 | 5325.79 | 101.90 | | | 92.71 | 8.22 | 34.03 | 33.06 | 176 | 247 | Average | HORIZONTAL |
| 3 | 5350.00 | 52.91 | 54.00 | -1.09 | 43.71 | 8.20 | 34.06 | 33.06 | 176 | 247 | Average | HORIZONTAL |
| 4 | 5350.00 | 68.88 | 74.00 | -5.12 | 59.68 | 8.20 | 34.06 | 33.06 | 176 | 247 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 16, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) | | |

**Channel 100**

| | 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 | 5456.96 | 49.55 | 54.00 | -4.45 | 40.02 | 8.36 | 34.23 | 33.06 | 175 | 146 | Average | HORIZONTAL |
| 2 | 5459.71 | 63.24 | 74.00 | -10.76 | 53.71 | 8.36 | 34.23 | 33.06 | 175 | 146 | Peak | HORIZONTAL |
| 3 | 5466.67 | 68.35 | 74.00 | -5.65 | 58.75 | 8.41 | 34.25 | 33.06 | 175 | 146 | Peak | HORIZONTAL |
| 4 | 5466.82 | 50.67 | 54.00 | -3.33 | 41.07 | 8.41 | 34.25 | 33.06 | 175 | 146 | Average | HORIZONTAL |
| 5 | 5492.19 | 102.68 | | | 93.00 | 8.46 | 34.28 | 33.06 | 175 | 146 | Average | HORIZONTAL |
| 6 | 5492.47 | 115.02 | | | 105.34 | 8.46 | 34.28 | 33.06 | 175 | 146 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5415.86 | 62.76 | 74.00 | -11.24 | 53.45 | 8.22 | 34.15 | 33.06 | 175 | 143 | Peak | HORIZONTAL |
| 2 | 5426.71 | 50.05 | 54.00 | -3.95 | 40.66 | 8.27 | 34.18 | 33.06 | 175 | 143 | Average | HORIZONTAL |
| 3 | 5470.00 | 48.48 | 54.00 | -5.52 | 38.88 | 8.41 | 34.25 | 33.06 | 175 | 143 | Average | HORIZONTAL |
| 4 | 5470.00 | 61.29 | 74.00 | -12.71 | 51.69 | 8.41 | 34.25 | 33.06 | 175 | 143 | Peak | HORIZONTAL |
| 5 | 5577.83 | 116.03 | | | 106.01 | 8.75 | 34.35 | 33.08 | 175 | 143 | Peak | HORIZONTAL |
| 6 | 5582.17 | 104.40 | | | 94.39 | 8.75 | 34.35 | 33.09 | 175 | 143 | Average | HORIZONTAL |
| 7 | 5751.77 | 62.87 | 74.00 | -11.13 | 53.13 | 8.43 | 34.45 | 33.14 | 175 | 143 | Peak | HORIZONTAL |
| 8 | 5820.51 | 50.24 | 54.00 | -3.76 | 40.52 | 8.39 | 34.49 | 33.16 | 175 | 143 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5695.66 | 113.26 | | | 103.41 | 8.56 | 34.42 | 33.13 | 175 | 260 | Peak | HORIZONTAL |
| 2 | 5695.80 | 101.34 | | | 91.49 | 8.56 | 34.42 | 33.13 | 175 | 260 | Average | HORIZONTAL |
| 3 | 5725.00 | 69.09 | 74.00 | -4.91 | 59.31 | 8.47 | 34.44 | 33.13 | 175 | 260 | Peak | HORIZONTAL |
| 4 | 5725.58 | 52.85 | 54.00 | -1.15 | 43.07 | 8.47 | 34.44 | 33.13 | 175 | 260 | Average | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 16, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) | | |

**Channel 54**

| | 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 | 5255.24 | 99.96 | | | 90.84 | 8.27 | 33.91 | 33.06 | 175 | 243 | Average | HORIZONTAL |
| 2 | 5255.53 | 113.08 | | | 103.96 | 8.27 | 33.91 | 33.06 | 175 | 243 | Peak | HORIZONTAL |
| 3 | 5350.29 | 50.26 | 54.00 | -3.74 | 41.06 | 8.20 | 34.06 | 33.06 | 175 | 243 | Average | HORIZONTAL |
| 4 | 5351.74 | 64.00 | 74.00 | -10.00 | 54.80 | 8.20 | 34.06 | 33.06 | 175 | 243 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5315.21 | 95.27 | | | 86.09 | 8.23 | 34.01 | 33.06 | 175 | 309 | Average | VERTICAL |
| 2 | 5325.05 | 105.26 | | | 96.07 | 8.22 | 34.03 | 33.06 | 175 | 309 | Peak | VERTICAL |
| 3 | 5350.00 | 52.93 | 54.00 | -1.07 | 43.73 | 8.20 | 34.06 | 33.06 | 175 | 309 | Average | VERTICAL |
| 4 | 5350.00 | 65.52 | 74.00 | -8.48 | 56.32 | 8.20 | 34.06 | 33.06 | 175 | 309 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 16, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) | | |

**Channel 102**

| | 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 | 5458.26 | 51.59 | 54.00 | -2.41 | 42.06 | 8.36 | 34.23 | 33.06 | 175 | 143 | Average | HORIZONTAL |
| 2 | 5459.71 | 64.94 | 74.00 | -9.06 | 55.41 | 8.36 | 34.23 | 33.06 | 175 | 143 | Peak | HORIZONTAL |
| 3 | 5467.40 | 52.89 | 54.00 | -1.11 | 43.29 | 8.41 | 34.25 | 33.06 | 175 | 143 | Average | HORIZONTAL |
| 4 | 5468.26 | 69.20 | 74.00 | -4.80 | 59.60 | 8.41 | 34.25 | 33.06 | 175 | 143 | Peak | HORIZONTAL |
| 5 | 5502.19 | 110.82 | | | 101.07 | 8.51 | 34.30 | 33.06 | 175 | 143 | Peak | HORIZONTAL |
| 6 | 5522.16 | 100.53 | | | 90.73 | 8.56 | 34.31 | 33.07 | 175 | 143 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5455.95 | 50.41 | 54.00 | -3.59 | 40.88 | 8.36 | 34.23 | 33.06 | 175 | 143 | Average | HORIZONTAL |
| 2 | 5457.68 | 62.95 | 74.00 | -11.05 | 53.42 | 8.36 | 34.23 | 33.06 | 175 | 143 | Peak | HORIZONTAL |
| 3 | 5466.82 | 63.22 | 74.00 | -10.78 | 53.62 | 8.41 | 34.25 | 33.06 | 175 | 143 | Peak | HORIZONTAL |
| 4 | 5467.40 | 50.79 | 54.00 | -3.21 | 41.19 | 8.41 | 34.25 | 33.06 | 175 | 143 | Average | HORIZONTAL |
| 5 | 5547.11 | 103.46 | | | 93.56 | 8.65 | 34.33 | 33.08 | 175 | 143 | Average | HORIZONTAL |
| 6 | 5552.03 | 113.62 | | | 103.72 | 8.65 | 34.33 | 33.08 | 175 | 143 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5681.87 | 111.18 | | | 101.29 | 8.60 | 34.41 | 33.12 | 175 | 136 | Peak | HORIZONTAL |
| 2 | 5682.16 | 100.25 | | | 90.36 | 8.60 | 34.41 | 33.12 | 175 | 136 | Average | HORIZONTAL |
| 3 | 5726.16 | 66.61 | 68.20 | -1.59 | 56.83 | 8.47 | 34.44 | 33.13 | 175 | 136 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 16, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) | | |

**Channel 58**

| | 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 | 5272.63 | 103.12 | | | 93.98 | 8.26 | 33.94 | 33.06 | 190 | 309 | Peak | VERTICAL |
| 2 | 5277.70 | 93.26 | | | 84.11 | 8.25 | 33.96 | 33.06 | 190 | 309 | Average | VERTICAL |
| 3 | 5352.89 | 62.97 | 74.00 | -11.03 | 53.77 | 8.20 | 34.06 | 33.06 | 190 | 309 | Peak | VERTICAL |
| 4 | 5353.62 | 52.93 | 54.00 | -1.07 | 43.73 | 8.20 | 34.06 | 33.06 | 190 | 309 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5434.67 | 65.53 | 74.00 | -8.47 | 56.07 | 8.32 | 34.20 | 33.06 | 175 | 142 | Peak | HORIZONTAL |
| 2 | 5456.38 | 52.85 | 54.00 | -1.15 | 43.32 | 8.36 | 34.23 | 33.06 | 175 | 142 | Average | HORIZONTAL |
| 3 | 5460.59 | 64.38 | 68.20 | -3.82 | 54.85 | 8.36 | 34.23 | 33.06 | 175 | 142 | Peak | HORIZONTAL |
| 4 | 5542.30 | 97.46 | | | 87.61 | 8.61 | 34.32 | 33.08 | 175 | 142 | Average | HORIZONTAL |
| 5 | 5542.30 | 107.63 | | | 97.78 | 8.61 | 34.32 | 33.08 | 175 | 142 | Peak | HORIZONTAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5582.50 | 98.91 | | | 88.90 | 8.75 | 34.35 | 33.09 | 175 | 144 | Average | HORIZONTAL |
| 2 | 5602.04 | 108.81 | | | 98.75 | 8.80 | 34.36 | 33.10 | 175 | 144 | Peak | HORIZONTAL |
| 3 | 5727.89 | 66.92 | 68.20 | -1.28 | 57.15 | 8.47 | 34.44 | 33.14 | 175 | 144 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5610 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 16, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) | | |

**Channel 144**

| | 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 | 5721.45 | 104.31 | | | 94.50 | 8.51 | 34.43 | 33.13 | 175 | 246 | Average | HORIZONTAL |
| 2 | 5722.89 | 115.23 | | | 105.45 | 8.47 | 34.44 | 33.13 | 175 | 246 | Peak | HORIZONTAL |
| 3 | 5881.84 | 50.52 | 54.00 | -3.48 | 40.45 | 8.72 | 34.53 | 33.18 | 175 | 246 | Average | HORIZONTAL |
| 4 | 5882.56 | 63.08 | 74.00 | -10.92 | 53.01 | 8.72 | 34.53 | 33.18 | 175 | 246 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24℃ | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 16, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) | | |

**Channel 144**

| | 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 | 5720.72 | 115.08 | | | 105.27 | 8.51 | 34.43 | 33.13 | 175 | 245 | Peak | HORIZONTAL |
| 2 | 5725.79 | 103.68 | | | 93.90 | 8.47 | 34.44 | 33.13 | 175 | 245 | Average | HORIZONTAL |
| 3 | 5885.46 | 50.50 | 54.00 | -3.50 | 40.43 | 8.72 | 34.53 | 33.18 | 175 | 245 | Average | HORIZONTAL |
| 4 | 5886.90 | 63.25 | 74.00 | -10.75 | 53.18 | 8.72 | 34.53 | 33.18 | 175 | 245 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 16, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) | | |

**Channel 142**

| | 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 | 5705.66 | 101.41 | | | 91.60 | 8.51 | 34.43 | 33.13 | 175 | 254 | Average | HORIZONTAL |
| 2 | 5725.92 | 111.94 | | | 102.16 | 8.47 | 34.44 | 33.13 | 175 | 254 | Peak | HORIZONTAL |
| 3 | 5870.98 | 50.53 | 54.00 | -3.47 | 40.55 | 8.64 | 34.52 | 33.18 | 175 | 254 | Average | HORIZONTAL |
| 4 | 5893.42 | 62.42 | 74.00 | -11.58 | 52.26 | 8.80 | 34.54 | 33.18 | 175 | 254 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 16, 2015 | | |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) | | |

**Channel 138**

| | 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 | 5676.98 | 98.83 | | | 88.94 | 8.60 | 34.41 | 33.12 | 175 | 137 | Average | HORIZONTAL |
| 2 | 5687.83 | 109.92 | | | 100.03 | 8.60 | 34.41 | 33.12 | 175 | 137 | Peak | HORIZONTAL |
| 3 | 5850.72 | 66.00 | 68.20 | -2.20 | 56.10 | 8.56 | 34.51 | 33.17 | 175 | 137 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) | | |

**Channel 52**

| | 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 | 5114.20 | 57.98 | 74.00 | -16.02 | 51.20 | 6.14 | 33.69 | 33.05 | 195 | 360 | Peak | VERTICAL |
| 2 | 5114.80 | 45.86 | 54.00 | -8.14 | 39.08 | 6.14 | 33.69 | 33.05 | 195 | 360 | Average | VERTICAL |
| 3 | 5266.00 | 100.40 | | | 93.19 | 6.34 | 33.93 | 33.06 | 195 | 360 | Average | VERTICAL |
| 4 | 5266.60 | 109.91 | | | 102.70 | 6.34 | 33.93 | 33.06 | 195 | 360 | Peak | VERTICAL |
| 5 | 5353.00 | 59.32 | 74.00 | -14.68 | 51.85 | 6.47 | 34.06 | 33.06 | 195 | 360 | Peak | VERTICAL |
| 6 | 5356.60 | 47.81 | 54.00 | -6.19 | 40.34 | 6.47 | 34.06 | 33.06 | 195 | 360 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5292.80 | 100.03 | | | 92.74 | 6.37 | 33.98 | 33.06 | 186 | 0 | Average | VERTICAL |
| 2 | 5298.00 | 110.86 | | | 103.54 | 6.40 | 33.98 | 33.06 | 186 | 0 | Peak | VERTICAL |
| 3 | 5374.40 | 48.16 | 54.00 | -5.84 | 40.63 | 6.50 | 34.09 | 33.06 | 186 | 0 | Average | VERTICAL |
| 4 | 5374.80 | 60.19 | 74.00 | -13.81 | 52.66 | 6.50 | 34.09 | 33.06 | 186 | 0 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5312.80 | 99.54 | | | 92.19 | 6.40 | 34.01 | 33.06 | 198 | 360 | Average | VERTICAL |
| 2 | 5314.20 | 109.07 | | | 101.72 | 6.40 | 34.01 | 33.06 | 198 | 360 | Peak | VERTICAL |
| 3 | 5350.00 | 50.79 | 54.00 | -3.21 | 43.32 | 6.47 | 34.06 | 33.06 | 198 | 360 | Average | VERTICAL |
| 4 | 5353.00 | 66.97 | 74.00 | -7.03 | 59.50 | 6.47 | 34.06 | 33.06 | 198 | 360 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) | | |

**Channel 100**

| | 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 | 5452.80 | 49.10 | 54.00 | -4.90 | 41.34 | 6.60 | 34.22 | 33.06 | 252 | 0 | Average | VERTICAL |
| 2 | 5457.40 | 62.14 | 74.00 | -11.86 | 54.38 | 6.60 | 34.22 | 33.06 | 252 | 0 | Peak | VERTICAL |
| 3 | 5469.60 | 66.22 | 68.20 | -1.98 | 58.43 | 6.60 | 34.25 | 33.06 | 252 | 0 | Peak | VERTICAL |
| 4 | 5492.80 | 100.94 | | | 93.10 | 6.63 | 34.27 | 33.06 | 252 | 0 | Average | VERTICAL |
| 5 | 5498.00 | 112.06 | | | 104.19 | 6.63 | 34.30 | 33.06 | 252 | 0 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5355.00 | 48.50 | 54.00 | -5.50 | 41.03 | 6.47 | 34.06 | 33.06 | 242 | 0 | Average | VERTICAL |
| 2 | 5416.00 | 59.84 | 74.00 | -14.16 | 52.20 | 6.53 | 34.17 | 33.06 | 242 | 0 | Peak | VERTICAL |
| 3 | 5468.00 | 59.55 | 68.20 | -8.65 | 51.76 | 6.60 | 34.25 | 33.06 | 242 | 0 | Peak | VERTICAL |
| 4 | 5582.00 | 112.18 | | | 104.20 | 6.72 | 34.35 | 33.09 | 242 | 0 | Peak | VERTICAL |
| 5 | 5587.00 | 101.77 | | | 93.79 | 6.72 | 34.35 | 33.09 | 242 | 0 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5693.80 | 97.39 | | | 89.29 | 6.81 | 34.41 | 33.12 | 185 | 360 | Average | VERTICAL |
| 2 | 5697.80 | 108.24 | | | 100.14 | 6.81 | 34.41 | 33.12 | 185 | 360 | Peak | VERTICAL |
| 3 | 5725.00 | 66.95 | 68.20 | -1.25 | 58.82 | 6.83 | 34.43 | 33.13 | 185 | 360 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 |
| Test Date | Nov. 04, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) | | |

**Channel 52**

| | 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 | 5110.00 | 46.01 | 54.00 | -7.99 | 39.23 | 6.14 | 33.69 | 33.05 | 204 | 330 | Average | VERTICAL |
| 2 | 5116.00 | 57.91 | 74.00 | -16.09 | 51.13 | 6.14 | 33.69 | 33.05 | 204 | 330 | Peak | VERTICAL |
| 3 | 5261.20 | 109.35 | | | 102.14 | 6.34 | 33.93 | 33.06 | 204 | 330 | Peak | VERTICAL |
| 4 | 5266.60 | 99.25 | | | 92.04 | 6.34 | 33.93 | 33.06 | 204 | 330 | Average | VERTICAL |
| 5 | 5364.40 | 47.79 | 54.00 | -6.21 | 40.29 | 6.47 | 34.09 | 33.06 | 204 | 330 | Average | VERTICAL |
| 6 | 5386.60 | 59.60 | 74.00 | -14.40 | 52.05 | 6.50 | 34.11 | 33.06 | 204 | 330 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5293.60 | 108.22 | | | 100.93 | 6.37 | 33.98 | 33.06 | 230 | 3 | Peak | VERTICAL |
| 2 | 5294.00 | 98.81 | | | 91.52 | 6.37 | 33.98 | 33.06 | 230 | 3 | Average | VERTICAL |
| 3 | 5369.60 | 60.50 | 74.00 | -13.50 | 53.00 | 6.47 | 34.09 | 33.06 | 230 | 3 | Peak | VERTICAL |
| 4 | 5380.40 | 48.15 | 54.00 | -5.85 | 40.60 | 6.50 | 34.11 | 33.06 | 230 | 3 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5312.40 | 98.41 | | | 91.06 | 6.40 | 34.01 | 33.06 | 218 | 336 | Average | VERTICAL |
| 2 | 5315.00 | 108.52 | | | 101.17 | 6.40 | 34.01 | 33.06 | 218 | 336 | Peak | VERTICAL |
| 3 | 5350.00 | 51.76 | 54.00 | -2.24 | 44.29 | 6.47 | 34.06 | 33.06 | 218 | 336 | Average | VERTICAL |
| 4 | 5350.80 | 66.20 | 74.00 | -7.80 | 58.73 | 6.47 | 34.06 | 33.06 | 218 | 336 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 |
| Test Date | Nov. 04, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) | | |

**Channel 100**

| | 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 | 5451.40 | 61.42 | 74.00 | -12.58 | 53.66 | 6.60 | 34.22 | 33.06 | 232 | 2 | Peak | VERTICAL |
| 2 | 5458.40 | 49.12 | 54.00 | -4.88 | 41.36 | 6.60 | 34.22 | 33.06 | 232 | 2 | Average | VERTICAL |
| 3 | 5470.00 | 67.13 | 68.20 | -1.07 | 59.34 | 6.60 | 34.25 | 33.06 | 232 | 2 | Peak | VERTICAL |
| 4 | 5497.60 | 111.73 | | | 103.86 | 6.63 | 34.30 | 33.06 | 232 | 2 | Peak | VERTICAL |
| 5 | 5506.40 | 100.49 | | | 92.61 | 6.65 | 34.30 | 33.07 | 232 | 2 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5424.00 | 48.85 | 54.00 | -5.15 | 41.21 | 6.53 | 34.17 | 33.06 | 229 | 360 | Average | VERTICAL |
| 2 | 5427.00 | 60.60 | 74.00 | -13.40 | 52.93 | 6.56 | 34.17 | 33.06 | 229 | 360 | Peak | VERTICAL |
| 3 | 5463.00 | 59.59 | 68.20 | -8.61 | 51.80 | 6.60 | 34.25 | 33.06 | 229 | 360 | Peak | VERTICAL |
| 4 | 5582.00 | 100.76 | | | 92.78 | 6.72 | 34.35 | 33.09 | 229 | 360 | Average | VERTICAL |
| 5 | 5583.00 | 110.04 | | | 102.06 | 6.72 | 34.35 | 33.09 | 229 | 360 | Peak | VERTICAL |
| 6 | 5821.00 | 61.13 | 68.20 | -7.07 | 52.87 | 6.92 | 34.50 | 33.16 | 229 | 360 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5696.00 | 97.14 | | | 89.04 | 6.81 | 34.41 | 33.12 | 231 | 337 | Average | VERTICAL |
| 2 | 5698.00 | 107.72 | | | 99.62 | 6.81 | 34.41 | 33.12 | 231 | 337 | Peak | VERTICAL |
| 3 | 5731.60 | 67.13 | 68.20 | -1.07 | 58.98 | 6.86 | 34.43 | 33.14 | 231 | 337 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 54, 62 / Chain 1 |
| Test Date | Nov. 04, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) | | |

**Channel 54**

| | 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 | 5264.80 | 97.95 | | | 90.74 | 6.34 | 33.93 | 33.06 | 186 | 360 | Average | VERTICAL |
| 2 | 5266.80 | 108.29 | | | 101.08 | 6.34 | 33.93 | 33.06 | 186 | 360 | Peak | VERTICAL |
| 3 | 5350.80 | 48.81 | 54.00 | -5.19 | 41.34 | 6.47 | 34.06 | 33.06 | 186 | 360 | Average | VERTICAL |
| 4 | 5353.20 | 61.62 | 74.00 | -12.38 | 54.15 | 6.47 | 34.06 | 33.06 | 186 | 360 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5293.60 | 93.50 | | | 86.21 | 6.37 | 33.98 | 33.06 | 188 | 359 | Average | VERTICAL |
| 2 | 5298.40 | 102.89 | | | 95.57 | 6.40 | 33.98 | 33.06 | 188 | 359 | Peak | VERTICAL |
| 3 | 5350.40 | 52.70 | 54.00 | -1.30 | 45.23 | 6.47 | 34.06 | 33.06 | 188 | 359 | Average | VERTICAL |
| 4 | 5352.00 | 66.82 | 74.00 | -7.18 | 59.35 | 6.47 | 34.06 | 33.06 | 188 | 359 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 |
| Test Date | Nov. 04, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) | | |

**Channel 102**

| | 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 | 5457.00 | 49.35 | 54.00 | -4.65 | 41.59 | 6.60 | 34.22 | 33.06 | 240 | 15 | Average | VERTICAL |
| 2 | 5460.00 | 63.93 | 74.00 | -10.07 | 56.17 | 6.60 | 34.22 | 33.06 | 240 | 15 | Peak | VERTICAL |
| 3 | 5463.00 | 67.03 | 68.20 | -1.17 | 59.24 | 6.60 | 34.25 | 33.06 | 240 | 15 | Peak | VERTICAL |
| 4 | 5514.00 | 107.30 | | | 99.41 | 6.65 | 34.31 | 33.07 | 240 | 15 | Peak | VERTICAL |
| 5 | 5525.00 | 97.00 | | | 89.11 | 6.65 | 34.31 | 33.07 | 240 | 15 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5456.00 | 49.46 | 54.00 | -4.54 | 41.70 | 6.60 | 34.22 | 33.06 | 254 | 335 | Average | VERTICAL |
| 2 | 5457.00 | 62.49 | 74.00 | -11.51 | 54.73 | 6.60 | 34.22 | 33.06 | 254 | 335 | Peak | VERTICAL |
| 3 | 5470.00 | 61.96 | 68.20 | -6.24 | 54.17 | 6.60 | 34.25 | 33.06 | 254 | 335 | Peak | VERTICAL |
| 4 | 5534.00 | 110.56 | | | 102.64 | 6.68 | 34.32 | 33.08 | 254 | 335 | Peak | VERTICAL |
| 5 | 5536.00 | 100.74 | | | 92.82 | 6.68 | 34.32 | 33.08 | 254 | 335 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5661.20 | 106.09 | | | 98.03 | 6.79 | 34.39 | 33.12 | 260 | 4 | Peak | VERTICAL |
| 2 | 5684.00 | 95.90 | | | 87.80 | 6.81 | 34.41 | 33.12 | 260 | 4 | Average | VERTICAL |
| 3 | 5738.00 | 67.18 | 68.20 | -1.02 | 59.02 | 6.86 | 34.44 | 33.14 | 260 | 4 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 / Chain 1 |
| Test Date | Nov. 04, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) | | |

**Channel 58**

| | 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 | 5263.00 | 90.30 | | | 83.09 | 6.34 | 33.93 | 33.06 | 190 | 360 | Average | VERTICAL |
| 2 | 5267.00 | 99.95 | | | 92.74 | 6.34 | 33.93 | 33.06 | 190 | 360 | Peak | VERTICAL |
| 3 | 5350.00 | 52.69 | 54.00 | -1.31 | 45.22 | 6.47 | 34.06 | 33.06 | 190 | 360 | Average | VERTICAL |
| 4 | 5353.00 | 63.35 | 74.00 | -10.65 | 55.88 | 6.47 | 34.06 | 33.06 | 190 | 360 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5454.00 | 67.51 | 74.00 | -6.49 | 59.75 | 6.60 | 34.22 | 33.06 | 213 | 336 | Peak | VERTICAL |
| 2 | 5460.00 | 52.09 | 54.00 | -1.91 | 44.33 | 6.60 | 34.22 | 33.06 | 213 | 336 | Average | VERTICAL |
| 3 | 5465.00 | 67.05 | 68.20 | -1.15 | 59.26 | 6.60 | 34.25 | 33.06 | 213 | 336 | Peak | VERTICAL |
| 4 | 5543.00 | 105.42 | | | 97.50 | 6.68 | 34.32 | 33.08 | 213 | 336 | Peak | VERTICAL |
| 5 | 5543.00 | 94.49 | | | 86.57 | 6.68 | 34.32 | 33.08 | 213 | 336 | Average | VERTICAL |
| 6 | 5747.00 | 60.62 | 68.20 | -7.58 | 52.46 | 6.86 | 34.44 | 33.14 | 213 | 336 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5460.00 | 61.45 | 74.00 | -12.55 | 53.69 | 6.60 | 34.22 | 33.06 | 234 | 3 | Peak | VERTICAL |
| 2 | 5465.00 | 63.14 | 68.20 | -5.06 | 55.35 | 6.60 | 34.25 | 33.06 | 234 | 3 | Peak | VERTICAL |
| 3 | 5582.00 | 93.81 | | | 85.83 | 6.72 | 34.35 | 33.09 | 234 | 3 | Average | VERTICAL |
| 4 | 5594.00 | 103.80 | | | 95.82 | 6.72 | 34.35 | 33.09 | 234 | 3 | Peak | VERTICAL |
| 5 | 5727.00 | 64.04 | 68.20 | -4.16 | 55.91 | 6.83 | 34.43 | 33.13 | 234 | 3 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5610 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 |
| Test Date | Nov. 04, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) | | |

**Channel 144**

| | 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 | 5718.00 | 97.03 | | | 88.90 | 6.83 | 34.43 | 33.13 | 188 | 10 | Peak | HORIZONTAL |
| 2 | 5724.00 | 86.27 | | | 78.14 | 6.83 | 34.43 | 33.13 | 188 | 10 | Average | HORIZONTAL |
| 3 | 5887.00 | 60.74 | 68.20 | -7.46 | 52.41 | 6.99 | 34.53 | 33.19 | 188 | 10 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 |
| Test Date | Nov. 04, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) | | |

**Channel 144**

| | 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 | 5723.00 | 94.32 | | | 86.19 | 6.83 | 34.43 | 33.13 | 248 | 280 | Peak | HORIZONTAL |
| 2 | 5727.20 | 84.94 | | | 76.81 | 6.83 | 34.43 | 33.13 | 248 | 280 | Average | HORIZONTAL |
| 3 | 5861.00 | 61.41 | 68.20 | -6.79 | 53.10 | 6.97 | 34.52 | 33.18 | 248 | 280 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 |
| Test Date | Nov. 04, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) | | |

**Channel 142**

| | 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 | 5697.00 | 82.92 | | | 74.82 | 6.81 | 34.41 | 33.12 | 248 | 328 | Average | HORIZONTAL |
| 2 | 5700.00 | 92.59 | | | 84.49 | 6.81 | 34.41 | 33.12 | 248 | 328 | Peak | HORIZONTAL |
| 3 | 5874.00 | 61.09 | 68.20 | -7.11 | 52.77 | 6.97 | 34.53 | 33.18 | 248 | 328 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 |
| Test Date | Nov. 04, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) | | |

**Channel 138**

| | 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 | 5682.00 | 91.97 | | | 83.88 | 6.81 | 34.40 | 33.12 | 236 | 359 | Average | VERTICAL |
| 2 | 5724.00 | 100.97 | | | 92.84 | 6.83 | 34.43 | 33.13 | 236 | 359 | Peak | VERTICAL |
| 3 | 5869.00 | 61.44 | 68.20 | -6.76 | 53.13 | 6.97 | 34.52 | 33.18 | 236 | 359 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) | | |

**Channel 52**

| | 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 | 5110.00 | 46.54 | 54.00 | -7.46 | 39.76 | 6.14 | 33.69 | 33.05 | 187 | 14 | Average | VERTICAL |
| 2 | 5121.40 | 58.45 | 74.00 | -15.55 | 51.64 | 6.17 | 33.69 | 33.05 | 187 | 14 | Peak | VERTICAL |
| 3 | 5254.60 | 105.28 | | | 98.10 | 6.34 | 33.90 | 33.06 | 187 | 14 | Average | VERTICAL |
| 4 | 5254.60 | 114.46 | | | 107.28 | 6.34 | 33.90 | 33.06 | 187 | 14 | Peak | VERTICAL |
| 5 | 5354.80 | 48.40 | 54.00 | -5.60 | 40.93 | 6.47 | 34.06 | 33.06 | 187 | 14 | Average | VERTICAL |
| 6 | 5390.20 | 59.73 | 74.00 | -14.27 | 52.18 | 6.50 | 34.11 | 33.06 | 187 | 14 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5292.80 | 103.97 | | | 96.68 | 6.37 | 33.98 | 33.06 | 213 | 329 | Average | VERTICAL |
| 2 | 5297.20 | 113.41 | | | 106.09 | 6.40 | 33.98 | 33.06 | 213 | 329 | Peak | VERTICAL |
| 3 | 5353.20 | 60.69 | 74.00 | -13.31 | 53.22 | 6.47 | 34.06 | 33.06 | 213 | 329 | Peak | VERTICAL |
| 4 | 5372.40 | 48.85 | 54.00 | -5.15 | 41.35 | 6.47 | 34.09 | 33.06 | 213 | 329 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5317.20 | 103.84 | | | 96.49 | 6.40 | 34.01 | 33.06 | 194 | 331 | Average | VERTICAL |
| 2 | 5317.60 | 114.06 | | | 106.71 | 6.40 | 34.01 | 33.06 | 194 | 331 | Peak | VERTICAL |
| 3 | 5350.80 | 66.53 | 74.00 | -7.47 | 59.06 | 6.47 | 34.06 | 33.06 | 194 | 331 | Peak | VERTICAL |
| 4 | 5352.00 | 51.95 | 54.00 | -2.05 | 44.48 | 6.47 | 34.06 | 33.06 | 194 | 331 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) | | |

**Channel 100**

| | 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 | 5454.60 | 62.08 | 74.00 | -11.92 | 54.32 | 6.60 | 34.22 | 33.06 | 190 | 3 | Peak | VERTICAL |
| 2 | 5460.00 | 49.88 | 54.00 | -4.12 | 42.12 | 6.60 | 34.22 | 33.06 | 190 | 3 | Average | VERTICAL |
| 3 | 5470.00 | 51.65 | 54.00 | -2.35 | 43.86 | 6.60 | 34.25 | 33.06 | 190 | 3 | Average | VERTICAL |
| 4 | 5470.00 | 65.61 | 74.00 | -8.39 | 57.82 | 6.60 | 34.25 | 33.06 | 190 | 3 | Peak | VERTICAL |
| 5 | 5506.20 | 114.08 | | | 106.20 | 6.65 | 34.30 | 33.07 | 190 | 3 | Peak | VERTICAL |
| 6 | 5506.40 | 104.52 | | | 96.64 | 6.65 | 34.30 | 33.07 | 190 | 3 | Average | VERTICAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5446.20 | 60.08 | 74.00 | -13.92 | 52.36 | 6.56 | 34.22 | 33.06 | 218 | 7 | Peak | VERTICAL |
| 2 | 5453.40 | 47.94 | 54.00 | -6.06 | 40.18 | 6.60 | 34.22 | 33.06 | 218 | 7 | Average | VERTICAL |
| 3 | 5468.40 | 48.18 | 54.00 | -5.82 | 40.39 | 6.60 | 34.25 | 33.06 | 218 | 7 | Average | VERTICAL |
| 4 | 5469.60 | 60.30 | 74.00 | -13.70 | 52.51 | 6.60 | 34.25 | 33.06 | 218 | 7 | Peak | VERTICAL |
| 5 | 5585.40 | 103.92 | | | 95.94 | 6.72 | 34.35 | 33.09 | 218 | 7 | Average | VERTICAL |
| 6 | 5586.00 | 113.53 | | | 105.55 | 6.72 | 34.35 | 33.09 | 218 | 7 | Peak | VERTICAL |
| 7 | 5725.80 | 47.12 | 54.00 | -6.88 | 38.99 | 6.83 | 34.43 | 33.13 | 218 | 7 | Average | VERTICAL |
| 8 | 5730.00 | 58.42 | 74.00 | -15.58 | 50.29 | 6.83 | 34.43 | 33.13 | 218 | 7 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5694.80 | 101.23 | | | 93.13 | 6.81 | 34.41 | 33.12 | 199 | 13 | Average | VERTICAL |
| 2 | 5705.00 | 110.78 | | | 102.66 | 6.83 | 34.42 | 33.13 | 199 | 13 | Peak | VERTICAL |
| 3 | 5725.80 | 67.14 | 68.20 | -1.06 | 59.01 | 6.83 | 34.43 | 33.13 | 199 | 13 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) | | |

**Channel 52**

| | 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 | 5259.40 | 112.04 | | | 104.83 | 6.34 | 33.93 | 33.06 | 227 | 355 | Peak | VERTICAL |
| 2 | 5261.20 | 102.33 | | | 95.12 | 6.34 | 33.93 | 33.06 | 227 | 355 | Average | VERTICAL |
| 3 | 5352.40 | 47.59 | 54.00 | -6.41 | 40.12 | 6.47 | 34.06 | 33.06 | 227 | 355 | Average | VERTICAL |
| 4 | 5366.20 | 60.29 | 74.00 | -13.71 | 52.79 | 6.47 | 34.09 | 33.06 | 227 | 355 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5292.00 | 102.78 | | | 95.52 | 6.37 | 33.95 | 33.06 | 223 | 16 | Average | VERTICAL |
| 2 | 5292.40 | 111.88 | | | 104.62 | 6.37 | 33.95 | 33.06 | 223 | 16 | Peak | VERTICAL |
| 3 | 5355.20 | 60.56 | 74.00 | -13.44 | 53.09 | 6.47 | 34.06 | 33.06 | 223 | 16 | Peak | VERTICAL |
| 4 | 5360.00 | 48.67 | 54.00 | -5.33 | 41.20 | 6.47 | 34.06 | 33.06 | 223 | 16 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5313.40 | 102.87 | | | 95.52 | 6.40 | 34.01 | 33.06 | 189 | 1 | Average | VERTICAL |
| 2 | 5318.80 | 112.26 | | | 104.91 | 6.40 | 34.01 | 33.06 | 189 | 1 | Peak | VERTICAL |
| 3 | 5351.00 | 52.42 | 54.00 | -1.58 | 44.95 | 6.47 | 34.06 | 33.06 | 189 | 1 | Average | VERTICAL |
| 4 | 5353.60 | 65.84 | 74.00 | -8.16 | 58.37 | 6.47 | 34.06 | 33.06 | 189 | 1 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) | | |

**Channel 100**

| | 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 | 5458.00 | 61.83 | 74.00 | -12.17 | 54.07 | 6.60 | 34.22 | 33.06 | 187 | 360 | Peak | VERTICAL |
| 2 | 5458.40 | 50.29 | 54.00 | -3.71 | 42.53 | 6.60 | 34.22 | 33.06 | 187 | 360 | Average | VERTICAL |
| 3 | 5468.80 | 52.50 | 54.00 | -1.50 | 44.71 | 6.60 | 34.25 | 33.06 | 187 | 360 | Average | VERTICAL |
| 4 | 5469.00 | 66.20 | 74.00 | -7.80 | 58.41 | 6.60 | 34.25 | 33.06 | 187 | 360 | Peak | VERTICAL |
| 5 | 5493.40 | 103.92 | | | 96.08 | 6.63 | 34.27 | 33.06 | 187 | 360 | Average | VERTICAL |
| 6 | 5498.20 | 113.50 | | | 105.63 | 6.63 | 34.30 | 33.06 | 187 | 360 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5413.00 | 60.60 | 74.00 | -13.40 | 52.96 | 6.53 | 34.17 | 33.06 | 195 | 334 | Peak | VERTICAL |
| 2 | 5425.00 | 50.32 | 54.00 | -3.68 | 42.65 | 6.56 | 34.17 | 33.06 | 195 | 334 | Average | VERTICAL |
| 3 | 5461.00 | 59.45 | 74.00 | -14.55 | 51.69 | 6.60 | 34.22 | 33.06 | 195 | 334 | Peak | VERTICAL |
| 4 | 5470.00 | 48.18 | 54.00 | -5.82 | 40.39 | 6.60 | 34.25 | 33.06 | 195 | 334 | Average | VERTICAL |
| 5 | 5583.00 | 103.87 | | | 95.89 | 6.72 | 34.35 | 33.09 | 195 | 334 | Average | VERTICAL |
| 6 | 5586.00 | 113.49 | | | 105.51 | 6.72 | 34.35 | 33.09 | 195 | 334 | Peak | VERTICAL |
| 7 | 5821.00 | 50.31 | 54.00 | -3.69 | 42.05 | 6.92 | 34.50 | 33.16 | 195 | 334 | Average | VERTICAL |
| 8 | 5821.00 | 61.31 | 74.00 | -12.69 | 53.05 | 6.92 | 34.50 | 33.16 | 195 | 334 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5693.60 | 100.69 | | | 92.59 | 6.81 | 34.41 | 33.12 | 200 | 333 | Average | VERTICAL |
| 2 | 5703.80 | 110.20 | | | 102.09 | 6.81 | 34.42 | 33.12 | 200 | 333 | Peak | VERTICAL |
| 3 | 5725.20 | 69.22 | 74.00 | -4.78 | 61.09 | 6.83 | 34.43 | 33.13 | 200 | 333 | Peak | VERTICAL |
| 4 | 5727.00 | 52.80 | 54.00 | -1.20 | 44.67 | 6.83 | 34.43 | 33.13 | 200 | 333 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) | | |

**Channel 54**

| | 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 | 5252.80 | 99.54 | | | 92.36 | 6.34 | 33.90 | 33.06 | 220 | 8 | Average | VERTICAL |
| 2 | 5254.80 | 109.35 | | | 102.17 | 6.34 | 33.90 | 33.06 | 220 | 8 | Peak | VERTICAL |
| 3 | 5350.40 | 63.30 | 74.00 | -10.70 | 55.83 | 6.47 | 34.06 | 33.06 | 220 | 8 | Peak | VERTICAL |
| 4 | 5352.40 | 48.61 | 54.00 | -5.39 | 41.14 | 6.47 | 34.06 | 33.06 | 220 | 8 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5308.80 | 105.28 | | | 97.96 | 6.40 | 33.98 | 33.06 | 194 | 331 | Peak | VERTICAL |
| 2 | 5313.60 | 95.40 | | | 88.05 | 6.40 | 34.01 | 33.06 | 194 | 331 | Average | VERTICAL |
| 3 | 5351.20 | 52.87 | 54.00 | -1.13 | 45.40 | 6.47 | 34.06 | 33.06 | 194 | 331 | Average | VERTICAL |
| 4 | 5353.20 | 64.82 | 74.00 | -9.18 | 57.35 | 6.47 | 34.06 | 33.06 | 194 | 331 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) | | |

**Channel 102**

| | 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 | 5458.00 | 50.22 | 54.00 | -3.78 | 42.46 | 6.60 | 34.22 | 33.06 | 191 | 0 | Average | VERTICAL |
| 2 | 5458.80 | 62.69 | 74.00 | -11.31 | 54.93 | 6.60 | 34.22 | 33.06 | 191 | 0 | Peak | VERTICAL |
| 3 | 5468.00 | 67.09 | 74.00 | -6.91 | 59.30 | 6.60 | 34.25 | 33.06 | 191 | 0 | Peak | VERTICAL |
| 4 | 5468.40 | 52.45 | 54.00 | -1.55 | 44.66 | 6.60 | 34.25 | 33.06 | 191 | 0 | Average | VERTICAL |
| 5 | 5518.80 | 108.69 | | | 100.80 | 6.65 | 34.31 | 33.07 | 191 | 0 | Peak | VERTICAL |
| 6 | 5521.20 | 99.29 | | | 91.40 | 6.65 | 34.31 | 33.07 | 191 | 0 | Average | VERTICAL |

Item 5, 6 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5453.00 | 60.51 | 74.00 | -13.49 | 52.75 | 6.60 | 34.22 | 33.06 | 194 | 335 | Peak | VERTICAL |
| 2 | 5468.00 | 62.28 | 68.20 | -5.92 | 54.49 | 6.60 | 34.25 | 33.06 | 194 | 335 | Peak | VERTICAL |
| 3 | 5536.00 | 102.83 | | | 94.91 | 6.68 | 34.32 | 33.08 | 194 | 335 | Average | VERTICAL |
| 4 | 5536.00 | 112.84 | | | 104.92 | 6.68 | 34.32 | 33.08 | 194 | 335 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5679.60 | 108.18 | | | 100.09 | 6.81 | 34.40 | 33.12 | 194 | 346 | Peak | VERTICAL |
| 2 | 5684.40 | 98.37 | | | 90.27 | 6.81 | 34.41 | 33.12 | 194 | 346 | Average | VERTICAL |
| 3 | 5726.40 | 67.13 | 68.20 | -1.07 | 59.00 | 6.83 | 34.43 | 33.13 | 194 | 346 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 / Chain 1 + Chain 2 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) | | |

**Channel 58**

| | 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 | 5261.00 | 92.28 | | | 85.07 | 6.34 | 33.93 | 33.06 | 196 | 0 | Average | VERTICAL |
| 2 | 5262.00 | 102.23 | | | 95.02 | 6.34 | 33.93 | 33.06 | 196 | 0 | Peak | VERTICAL |
| 3 | 5351.00 | 52.82 | 54.00 | -1.18 | 45.35 | 6.47 | 34.06 | 33.06 | 196 | 0 | Average | VERTICAL |
| 4 | 5362.00 | 64.08 | 74.00 | -9.92 | 56.58 | 6.47 | 34.09 | 33.06 | 196 | 0 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5437.00 | 65.33 | 74.00 | -8.67 | 57.64 | 6.56 | 34.19 | 33.06 | 195 | 335 | Peak | VERTICAL |
| 2 | 5460.00 | 52.52 | 54.00 | -1.48 | 44.76 | 6.60 | 34.22 | 33.06 | 195 | 335 | Average | VERTICAL |
| 3 | 5470.00 | 64.74 | 68.20 | -3.46 | 56.95 | 6.60 | 34.25 | 33.06 | 195 | 335 | Peak | VERTICAL |
| 4 | 5543.00 | 95.82 | | | 87.90 | 6.68 | 34.32 | 33.08 | 195 | 335 | Average | VERTICAL |
| 5 | 5543.00 | 106.69 | | | 98.77 | 6.68 | 34.32 | 33.08 | 195 | 335 | Peak | VERTICAL |
| 6 | 5767.00 | 59.44 | 68.20 | -8.76 | 51.25 | 6.88 | 34.46 | 33.15 | 195 | 335 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5456.00 | 61.25 | 74.00 | -12.75 | 53.49 | 6.60 | 34.22 | 33.06 | 212 | 5 | Peak | VERTICAL |
| 2 | 5460.00 | 49.54 | 54.00 | -4.46 | 41.78 | 6.60 | 34.22 | 33.06 | 212 | 5 | Average | VERTICAL |
| 3 | 5465.00 | 63.83 | 68.20 | -4.37 | 56.04 | 6.60 | 34.25 | 33.06 | 212 | 5 | Peak | VERTICAL |
| 4 | 5583.00 | 94.96 | | | 86.98 | 6.72 | 34.35 | 33.09 | 212 | 5 | Average | VERTICAL |
| 5 | 5595.00 | 105.08 | | | 97.10 | 6.72 | 34.35 | 33.09 | 212 | 5 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5610 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) | | |

**Channel 144**

| | 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 | 5714.00 | 101.10 | | | 92.98 | 6.83 | 34.42 | 33.13 | 149 | 14 | Average | HORIZONTAL |
| 2 | 5715.20 | 110.38 | | | 102.26 | 6.83 | 34.42 | 33.13 | 149 | 14 | Peak | HORIZONTAL |
| 3 | 5873.60 | 61.60 | 68.20 | -6.60 | 53.28 | 6.97 | 34.53 | 33.18 | 149 | 14 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 144 / Chain 1 + Chain 2 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) | | |

**Channel 144**

| | 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 | 5716.00 | 110.43 | | | 102.31 | 6.83 | 34.42 | 33.13 | 186 | 4 | Peak | VERTICAL |
| 2 | 5718.00 | 100.77 | | | 92.64 | 6.83 | 34.43 | 33.13 | 186 | 4 | Average | VERTICAL |
| 3 | 5879.00 | 62.58 | 68.20 | -5.62 | 54.26 | 6.97 | 34.53 | 33.18 | 186 | 4 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) | | |

**Channel 142**

| | 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 | 5695.00 | 98.07 | | | 89.97 | 6.81 | 34.41 | 33.12 | 195 | 11 | Average | VERTICAL |
| 2 | 5695.00 | 108.72 | | | 100.62 | 6.81 | 34.41 | 33.12 | 195 | 11 | Peak | VERTICAL |
| 3 | 5888.00 | 61.03 | 68.20 | -7.17 | 52.69 | 6.99 | 34.54 | 33.19 | 195 | 11 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) | | |

**Channel 138**

| | 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 | 5700.00 | 93.56 | | | 85.46 | 6.81 | 34.41 | 33.12 | 190 | 14 | Average | VERTICAL |
| 2 | 5702.00 | 104.13 | | | 96.02 | 6.81 | 34.42 | 33.12 | 190 | 14 | Peak | VERTICAL |
| 3 | 5858.00 | 60.94 | 68.20 | -7.26 | 52.63 | 6.97 | 34.52 | 33.18 | 190 | 14 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) | | |

**Channel 52**

| | 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 | 5118.40 | 57.95 | 74.00 | -16.05 | 51.14 | 6.17 | 33.69 | 33.05 | 205 | 2 | Peak | VERTICAL |
| 2 | 5129.80 | 46.56 | 54.00 | -7.44 | 39.73 | 6.17 | 33.71 | 33.05 | 205 | 2 | Average | VERTICAL |
| 3 | 5263.60 | 107.73 | | | 100.52 | 6.34 | 33.93 | 33.06 | 205 | 2 | Average | VERTICAL |
| 4 | 5264.20 | 116.89 | | | 109.68 | 6.34 | 33.93 | 33.06 | 205 | 2 | Peak | VERTICAL |
| 5 | 5359.60 | 47.92 | 54.00 | -6.08 | 40.45 | 6.47 | 34.06 | 33.06 | 205 | 2 | Average | VERTICAL |
| 6 | 5363.80 | 59.88 | 74.00 | -14.12 | 52.38 | 6.47 | 34.09 | 33.06 | 205 | 2 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5292.40 | 116.32 | | | 109.06 | 6.37 | 33.95 | 33.06 | 200 | 3 | Peak | VERTICAL |
| 2 | 5292.80 | 107.18 | | | 99.89 | 6.37 | 33.98 | 33.06 | 200 | 3 | Average | VERTICAL |
| 3 | 5354.40 | 60.52 | 74.00 | -13.48 | 53.05 | 6.47 | 34.06 | 33.06 | 200 | 3 | Peak | VERTICAL |
| 4 | 5373.20 | 49.50 | 54.00 | -4.50 | 42.00 | 6.47 | 34.09 | 33.06 | 200 | 3 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5312.40 | 115.63 | | | 108.28 | 6.40 | 34.01 | 33.06 | 198 | 2 | Peak | VERTICAL |
| 2 | 5313.20 | 105.67 | | | 98.32 | 6.40 | 34.01 | 33.06 | 198 | 2 | Average | VERTICAL |
| 3 | 5352.80 | 51.92 | 54.00 | -2.08 | 44.45 | 6.47 | 34.06 | 33.06 | 198 | 2 | Average | VERTICAL |
| 4 | 5354.80 | 66.45 | 74.00 | -7.55 | 58.98 | 6.47 | 34.06 | 33.06 | 198 | 2 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) | | |

**Channel 100**

| | 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 | 5412.40 | 62.22 | 74.00 | -11.78 | 54.58 | 6.53 | 34.17 | 33.06 | 198 | 3 | Peak | VERTICAL |
| 2 | 5421.60 | 51.45 | 54.00 | -2.55 | 43.81 | 6.53 | 34.17 | 33.06 | 198 | 3 | Average | VERTICAL |
| 3 | 5470.00 | 66.70 | 68.20 | -1.50 | 58.91 | 6.60 | 34.25 | 33.06 | 198 | 3 | Peak | VERTICAL |
| 4 | 5492.80 | 108.03 | | | 100.19 | 6.63 | 34.27 | 33.06 | 198 | 3 | Average | VERTICAL |
| 5 | 5492.80 | 117.27 | | | 109.43 | 6.63 | 34.27 | 33.06 | 198 | 3 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5420.80 | 62.80 | 74.00 | -11.20 | 55.16 | 6.53 | 34.17 | 33.06 | 188 | 338 | Peak | VERTICAL |
| 2 | 5421.60 | 52.58 | 54.00 | -1.42 | 44.94 | 6.53 | 34.17 | 33.06 | 188 | 338 | Average | VERTICAL |
| 3 | 5470.00 | 58.88 | 68.20 | -9.32 | 51.09 | 6.60 | 34.25 | 33.06 | 188 | 338 | Peak | VERTICAL |
| 4 | 5582.40 | 109.40 | | | 101.42 | 6.72 | 34.35 | 33.09 | 188 | 338 | Average | VERTICAL |
| 5 | 5582.40 | 118.96 | | | 110.98 | 6.72 | 34.35 | 33.09 | 188 | 338 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5693.60 | 104.86 | | | 96.76 | 6.81 | 34.41 | 33.12 | 201 | 335 | Average | VERTICAL |
| 2 | 5694.00 | 114.48 | | | 106.38 | 6.81 | 34.41 | 33.12 | 201 | 335 | Peak | VERTICAL |
| 3 | 5725.60 | 67.01 | 68.20 | -1.19 | 58.88 | 6.83 | 34.43 | 33.13 | 201 | 335 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 02, 2015 ~ Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) | | |

**Channel 52**

| | 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 | 5142.40 | 58.21 | 74.00 | -15.79 | 51.35 | 6.17 | 33.74 | 33.05 | 198 | 2 | Peak | VERTICAL |
| 2 | 5145.40 | 46.20 | 54.00 | -7.80 | 39.30 | 6.21 | 33.74 | 33.05 | 198 | 2 | Average | VERTICAL |
| 3 | 5258.20 | 116.56 | | | 109.38 | 6.34 | 33.90 | 33.06 | 198 | 2 | Peak | VERTICAL |
| 4 | 5263.60 | 106.84 | | | 99.63 | 6.34 | 33.93 | 33.06 | 198 | 2 | Average | VERTICAL |
| 5 | 5351.20 | 47.96 | 54.00 | -6.04 | 40.49 | 6.47 | 34.06 | 33.06 | 198 | 2 | Average | VERTICAL |
| 6 | 5387.20 | 59.73 | 74.00 | -14.27 | 52.18 | 6.50 | 34.11 | 33.06 | 198 | 2 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5293.60 | 106.24 | | | 98.95 | 6.37 | 33.98 | 33.06 | 198 | 1 | Average | VERTICAL |
| 2 | 5298.00 | 116.10 | | | 108.78 | 6.40 | 33.98 | 33.06 | 198 | 1 | Peak | VERTICAL |
| 3 | 5368.40 | 61.04 | 74.00 | -12.96 | 53.54 | 6.47 | 34.09 | 33.06 | 198 | 1 | Peak | VERTICAL |
| 4 | 5373.60 | 49.01 | 54.00 | -4.99 | 41.48 | 6.50 | 34.09 | 33.06 | 198 | 1 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5314.80 | 104.44 | | | 97.09 | 6.40 | 34.01 | 33.06 | 194 | 11 | Average | VERTICAL |
| 2 | 5314.80 | 116.03 | | | 108.68 | 6.40 | 34.01 | 33.06 | 194 | 11 | Peak | VERTICAL |
| 3 | 5350.00 | 67.34 | 74.00 | -6.66 | 59.87 | 6.47 | 34.06 | 33.06 | 194 | 11 | Peak | VERTICAL |
| 4 | 5350.80 | 52.98 | 54.00 | -1.02 | 45.51 | 6.47 | 34.06 | 33.06 | 194 | 11 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) | | |

**Channel 100**

| | 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 | 5457.60 | 51.30 | 54.00 | -2.70 | 43.54 | 6.60 | 34.22 | 33.06 | 197 | 335 | Average | VERTICAL |
| 2 | 5458.40 | 63.16 | 74.00 | -10.84 | 55.40 | 6.60 | 34.22 | 33.06 | 197 | 335 | Peak | VERTICAL |
| 3 | 5468.80 | 67.09 | 68.20 | -1.11 | 59.30 | 6.60 | 34.25 | 33.06 | 197 | 335 | Peak | VERTICAL |
| 4 | 5492.80 | 116.71 | | | 108.87 | 6.63 | 34.27 | 33.06 | 197 | 335 | Peak | VERTICAL |
| 5 | 5493.60 | 107.34 | | | 99.50 | 6.63 | 34.27 | 33.06 | 197 | 335 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5424.80 | 51.55 | 54.00 | -2.45 | 43.88 | 6.56 | 34.17 | 33.06 | 193 | 343 | Average | VERTICAL |
| 2 | 5424.80 | 62.41 | 74.00 | -11.59 | 54.74 | 6.56 | 34.17 | 33.06 | 193 | 343 | Peak | VERTICAL |
| 3 | 5470.00 | 59.39 | 68.20 | -8.81 | 51.60 | 6.60 | 34.25 | 33.06 | 193 | 343 | Peak | VERTICAL |
| 4 | 5584.80 | 107.32 | | | 99.34 | 6.72 | 34.35 | 33.09 | 193 | 343 | Average | VERTICAL |
| 5 | 5584.80 | 117.28 | | | 109.30 | 6.72 | 34.35 | 33.09 | 193 | 343 | Peak | VERTICAL |
| 6 | 5736.00 | 60.97 | 68.20 | -7.23 | 52.81 | 6.86 | 34.44 | 33.14 | 193 | 343 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5703.20 | 104.18 | | | 96.07 | 6.81 | 34.42 | 33.12 | 196 | 336 | Average | VERTICAL |
| 2 | 5703.20 | 114.06 | | | 105.95 | 6.81 | 34.42 | 33.12 | 196 | 336 | Peak | VERTICAL |
| 3 | 5728.80 | 67.18 | 68.20 | -1.02 | 59.05 | 6.83 | 34.43 | 33.13 | 196 | 336 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) | | |

**Channel 54**

| | 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 | 5263.20 | 113.84 | | | 106.63 | 6.34 | 33.93 | 33.06 | 201 | 1 | Peak | VERTICAL |
| 2 | 5263.60 | 103.98 | | | 96.77 | 6.34 | 33.93 | 33.06 | 201 | 1 | Average | VERTICAL |
| 3 | 5350.80 | 61.08 | 74.00 | -12.92 | 53.61 | 6.47 | 34.06 | 33.06 | 201 | 1 | Peak | VERTICAL |
| 4 | 5358.40 | 48.90 | 54.00 | -5.10 | 41.43 | 6.47 | 34.06 | 33.06 | 201 | 1 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5293.20 | 108.15 | | | 100.86 | 6.37 | 33.98 | 33.06 | 198 | 2 | Peak | VERTICAL |
| 2 | 5293.60 | 97.13 | | | 89.84 | 6.37 | 33.98 | 33.06 | 198 | 2 | Average | VERTICAL |
| 3 | 5352.80 | 65.66 | 74.00 | -8.34 | 58.19 | 6.47 | 34.06 | 33.06 | 198 | 2 | Peak | VERTICAL |
| 4 | 5353.60 | 52.97 | 54.00 | -1.03 | 45.50 | 6.47 | 34.06 | 33.06 | 198 | 2 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) | | |

**Channel 102**

| | 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 | 5449.60 | 61.98 | 74.00 | -12.02 | 54.26 | 6.56 | 34.22 | 33.06 | 196 | 344 | Peak | VERTICAL |
| 2 | 5460.00 | 51.03 | 54.00 | -2.97 | 43.27 | 6.60 | 34.22 | 33.06 | 196 | 344 | Average | VERTICAL |
| 3 | 5469.20 | 67.59 | 74.00 | -6.41 | 59.80 | 6.60 | 34.25 | 33.06 | 196 | 344 | Peak | VERTICAL |
| 4 | 5469.60 | 52.72 | 54.00 | -1.28 | 44.93 | 6.60 | 34.25 | 33.06 | 196 | 344 | Average | VERTICAL |
| 5 | 5525.20 | 103.48 | | | 95.59 | 6.65 | 34.31 | 33.07 | 196 | 344 | Average | VERTICAL |
| 6 | 5525.20 | 113.54 | | | 105.65 | 6.65 | 34.31 | 33.07 | 196 | 344 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5454.00 | 63.18 | 74.00 | -10.82 | 55.42 | 6.60 | 34.22 | 33.06 | 198 | 344 | Peak | VERTICAL |
| 2 | 5459.60 | 51.36 | 54.00 | -2.64 | 43.60 | 6.60 | 34.22 | 33.06 | 198 | 344 | Average | VERTICAL |
| 3 | 5464.40 | 51.71 | 54.00 | -2.29 | 43.92 | 6.60 | 34.25 | 33.06 | 198 | 344 | Average | VERTICAL |
| 4 | 5470.00 | 65.54 | 74.00 | -8.46 | 57.75 | 6.60 | 34.25 | 33.06 | 198 | 344 | Peak | VERTICAL |
| 5 | 5544.40 | 106.92 | | | 99.00 | 6.68 | 34.32 | 33.08 | 198 | 344 | Average | VERTICAL |
| 6 | 5554.80 | 117.07 | | | 109.12 | 6.70 | 34.33 | 33.08 | 198 | 344 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5685.20 | 101.67 | | | 93.57 | 6.81 | 34.41 | 33.12 | 198 | 344 | Average | VERTICAL |
| 2 | 5685.20 | 111.80 | | | 103.70 | 6.81 | 34.41 | 33.12 | 198 | 344 | Peak | VERTICAL |
| 3 | 5726.00 | 67.19 | 68.20 | -1.01 | 59.06 | 6.83 | 34.43 | 33.13 | 198 | 344 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) | | |

**Channel 58**

| | 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 | 5100.00 | 46.52 | 54.00 | -7.48 | 39.77 | 6.14 | 33.66 | 33.05 | 198 | 2 | Average | VERTICAL |
| 2 | 5118.00 | 58.41 | 74.00 | -15.59 | 51.63 | 6.14 | 33.69 | 33.05 | 198 | 2 | Peak | VERTICAL |
| 3 | 5263.00 | 94.51 | | | 87.30 | 6.34 | 33.93 | 33.06 | 198 | 2 | Average | VERTICAL |
| 4 | 5263.00 | 104.45 | | | 97.24 | 6.34 | 33.93 | 33.06 | 198 | 2 | Peak | VERTICAL |
| 5 | 5354.00 | 52.99 | 54.00 | -1.01 | 45.52 | 6.47 | 34.06 | 33.06 | 198 | 2 | Average | VERTICAL |
| 6 | 5359.00 | 63.10 | 74.00 | -10.90 | 55.63 | 6.47 | 34.06 | 33.06 | 198 | 2 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5450.00 | 63.11 | 74.00 | -10.89 | 55.35 | 6.60 | 34.22 | 33.06 | 195 | 343 | Peak | VERTICAL |
| 2 | 5455.00 | 52.99 | 54.00 | -1.01 | 45.23 | 6.60 | 34.22 | 33.06 | 195 | 343 | Average | VERTICAL |
| 3 | 5465.00 | 63.99 | 68.20 | -4.21 | 56.20 | 6.60 | 34.25 | 33.06 | 195 | 343 | Peak | VERTICAL |
| 4 | 5540.00 | 98.61 | | | 90.69 | 6.68 | 34.32 | 33.08 | 195 | 343 | Average | VERTICAL |
| 5 | 5545.00 | 107.95 | | | 100.03 | 6.68 | 34.32 | 33.08 | 195 | 343 | Peak | VERTICAL |
| 6 | 5755.00 | 59.24 | 68.20 | -8.96 | 51.06 | 6.86 | 34.46 | 33.14 | 195 | 343 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5458.00 | 64.71 | 74.00 | -9.29 | 56.95 | 6.60 | 34.22 | 33.06 | 195 | 346 | Peak | VERTICAL |
| 2 | 5459.00 | 52.65 | 54.00 | -1.35 | 44.89 | 6.60 | 34.22 | 33.06 | 195 | 346 | Average | VERTICAL |
| 3 | 5470.00 | 65.25 | 68.20 | -2.95 | 57.46 | 6.60 | 34.25 | 33.06 | 195 | 346 | Peak | VERTICAL |
| 4 | 5595.00 | 100.95 | | | 92.97 | 6.72 | 34.35 | 33.09 | 195 | 346 | Average | VERTICAL |
| 5 | 5625.00 | 110.35 | | | 102.34 | 6.74 | 34.37 | 33.10 | 195 | 346 | Peak | VERTICAL |
| 6 | 5741.00 | 67.18 | 68.20 | -1.02 | 59.02 | 6.86 | 34.44 | 33.14 | 195 | 346 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5610 MHz.

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) | | |

**Channel 144**

| | 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 | 5712.80 | 115.67 | | | 107.55 | 6.83 | 34.42 | 33.13 | 198 | 336 | Peak | VERTICAL |
| 2 | 5713.60 | 106.37 | | | 98.25 | 6.83 | 34.42 | 33.13 | 198 | 336 | Average | VERTICAL |
| 3 | 5884.00 | 63.06 | 68.20 | -5.14 | 54.73 | 6.99 | 34.53 | 33.19 | 198 | 336 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) | | |

**Channel 144**

| | 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 | 5713.60 | 115.28 | | | 107.16 | 6.83 | 34.42 | 33.13 | 200 | 337 | Peak | VERTICAL |
| 2 | 5723.20 | 105.81 | | | 97.68 | 6.83 | 34.43 | 33.13 | 200 | 337 | Average | VERTICAL |
| 3 | 5884.00 | 62.92 | 68.20 | -5.28 | 54.59 | 6.99 | 34.53 | 33.19 | 200 | 337 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 142 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) | | |

**Channel 142**

| | 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 | 5693.20 | 102.82 | | | 94.72 | 6.81 | 34.41 | 33.12 | 198 | 335 | Average | VERTICAL |
| 2 | 5693.20 | 112.62 | | | 104.52 | 6.81 | 34.41 | 33.12 | 198 | 335 | Peak | VERTICAL |
| 3 | 5874.00 | 62.29 | 68.20 | -5.91 | 53.97 | 6.97 | 34.53 | 33.18 | 198 | 335 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 03, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) | | |

**Channel 138**

| | 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 | 5683.00 | 99.17 | | | 91.08 | 6.81 | 34.40 | 33.12 | 197 | 338 | Average | VERTICAL |
| 2 | 5683.00 | 109.52 | | | 101.43 | 6.81 | 34.40 | 33.12 | 197 | 338 | Peak | VERTICAL |
| 3 | 5853.00 | 67.01 | 68.20 | -1.19 | 58.72 | 6.95 | 34.51 | 33.17 | 197 | 338 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) | | |

**Channel 52**

| | 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 | 5104.00 | 47.07 | 54.00 | -6.93 | 40.32 | 6.14 | 33.66 | 33.05 | 193 | 5 | Average | VERTICAL |
| 2 | 5136.80 | 59.97 | 74.00 | -14.03 | 53.14 | 6.17 | 33.71 | 33.05 | 193 | 5 | Peak | VERTICAL |
| 3 | 5264.00 | 109.42 | | | 102.21 | 6.34 | 33.93 | 33.06 | 193 | 5 | Average | VERTICAL |
| 4 | 5264.80 | 119.93 | | | 112.72 | 6.34 | 33.93 | 33.06 | 193 | 5 | Peak | VERTICAL |
| 5 | 5357.60 | 61.18 | 74.00 | -12.82 | 53.71 | 6.47 | 34.06 | 33.06 | 193 | 5 | Peak | VERTICAL |
| 6 | 5425.60 | 49.06 | 54.00 | -4.94 | 41.39 | 6.56 | 34.17 | 33.06 | 193 | 5 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5302.80 | 119.70 | | | 112.38 | 6.40 | 33.98 | 33.06 | 189 | 6 | Peak | VERTICAL |
| 2 | 5303.20 | 109.64 | | | 102.32 | 6.40 | 33.98 | 33.06 | 189 | 6 | Average | VERTICAL |
| 3 | 5383.20 | 50.20 | 54.00 | -3.80 | 42.65 | 6.50 | 34.11 | 33.06 | 189 | 6 | Average | VERTICAL |
| 4 | 5385.20 | 62.33 | 74.00 | -11.67 | 54.78 | 6.50 | 34.11 | 33.06 | 189 | 6 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5314.20 | 108.31 | | | 100.96 | 6.40 | 34.01 | 33.06 | 195 | 19 | Average | VERTICAL |
| 2 | 5314.60 | 119.07 | | | 111.72 | 6.40 | 34.01 | 33.06 | 195 | 19 | Peak | VERTICAL |
| 3 | 5353.00 | 71.51 | 74.00 | -2.49 | 64.04 | 6.47 | 34.06 | 33.06 | 195 | 19 | Peak | VERTICAL |
| 4 | 5354.60 | 52.70 | 54.00 | -1.30 | 45.23 | 6.47 | 34.06 | 33.06 | 195 | 19 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) | | |

**Channel 100**

| | 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 | 5457.40 | 52.82 | 54.00 | -1.18 | 45.06 | 6.60 | 34.22 | 33.06 | 202 | 15 | Average | VERTICAL |
| 2 | 5457.40 | 63.82 | 74.00 | -10.18 | 56.06 | 6.60 | 34.22 | 33.06 | 202 | 15 | Peak | VERTICAL |
| 3 | 5468.80 | 66.98 | 68.20 | -1.22 | 59.19 | 6.60 | 34.25 | 33.06 | 202 | 15 | Peak | VERTICAL |
| 4 | 5496.40 | 119.97 | | | 112.13 | 6.63 | 34.27 | 33.06 | 202 | 15 | Peak | VERTICAL |
| 5 | 5497.60 | 110.04 | | | 102.17 | 6.63 | 34.30 | 33.06 | 202 | 15 | Average | VERTICAL |
| 6 | 5736.40 | 63.34 | 68.20 | -4.86 | 55.18 | 6.86 | 34.44 | 33.14 | 202 | 15 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5419.20 | 52.87 | 54.00 | -1.13 | 45.23 | 6.53 | 34.17 | 33.06 | 198 | 11 | Average | VERTICAL |
| 2 | 5421.60 | 64.25 | 74.00 | -9.75 | 56.61 | 6.53 | 34.17 | 33.06 | 198 | 11 | Peak | VERTICAL |
| 3 | 5467.60 | 60.70 | 68.20 | -7.50 | 52.91 | 6.60 | 34.25 | 33.06 | 198 | 11 | Peak | VERTICAL |
| 4 | 5578.80 | 107.06 | | | 99.09 | 6.72 | 34.34 | 33.09 | 198 | 11 | Average | VERTICAL |
| 5 | 5578.80 | 116.93 | | | 108.96 | 6.72 | 34.34 | 33.09 | 198 | 11 | Peak | VERTICAL |
| 6 | 5739.60 | 61.69 | 68.20 | -6.51 | 53.53 | 6.86 | 34.44 | 33.14 | 198 | 11 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5460.00 | 52.44 | 74.00 | -21.56 | 44.68 | 6.60 | 34.22 | 33.06 | 202 | 8 | Average | VERTICAL |
| 2 | 5460.00 | 63.07 | 74.00 | -10.93 | 55.31 | 6.60 | 34.22 | 33.06 | 202 | 8 | Peak | VERTICAL |
| 3 | 5460.40 | 63.83 | 68.20 | -4.37 | 56.07 | 6.60 | 34.22 | 33.06 | 202 | 8 | Peak | VERTICAL |
| 4 | 5702.40 | 106.30 | | | 98.19 | 6.81 | 34.42 | 33.12 | 202 | 8 | Average | VERTICAL |
| 5 | 5702.40 | 116.77 | | | 108.66 | 6.81 | 34.42 | 33.12 | 202 | 8 | Peak | VERTICAL |
| 6 | 5725.00 | 67.17 | 68.20 | -1.03 | 59.04 | 6.83 | 34.43 | 33.13 | 202 | 8 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) | | |

**Channel 52**

| | 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 | 5144.80 | 58.55 | 74.00 | -15.45 | 51.65 | 6.21 | 33.74 | 33.05 | 195 | 1 | Peak | VERTICAL |
| 2 | 5149.00 | 46.25 | 54.00 | -7.75 | 39.35 | 6.21 | 33.74 | 33.05 | 195 | 1 | Average | VERTICAL |
| 3 | 5258.80 | 118.55 | | | 111.34 | 6.34 | 33.93 | 33.06 | 195 | 1 | Peak | VERTICAL |
| 4 | 5263.60 | 107.50 | | | 100.29 | 6.34 | 33.93 | 33.06 | 195 | 1 | Average | VERTICAL |
| 5 | 5350.00 | 47.92 | 54.00 | -6.08 | 40.45 | 6.47 | 34.06 | 33.06 | 195 | 1 | Average | VERTICAL |
| 6 | 5357.20 | 60.46 | 74.00 | -13.54 | 52.99 | 6.47 | 34.06 | 33.06 | 195 | 1 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5303.20 | 107.46 | | | 100.14 | 6.40 | 33.98 | 33.06 | 196 | 2 | Average | VERTICAL |
| 2 | 5308.00 | 117.61 | | | 110.29 | 6.40 | 33.98 | 33.06 | 196 | 2 | Peak | VERTICAL |
| 3 | 5357.20 | 61.87 | 74.00 | -12.13 | 54.40 | 6.47 | 34.06 | 33.06 | 196 | 2 | Peak | VERTICAL |
| 4 | 5374.00 | 49.59 | 54.00 | -4.41 | 42.06 | 6.50 | 34.09 | 33.06 | 196 | 2 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5312.00 | 105.16 | | | 97.81 | 6.40 | 34.01 | 33.06 | 191 | 20 | Average | VERTICAL |
| 2 | 5314.80 | 117.29 | | | 109.94 | 6.40 | 34.01 | 33.06 | 191 | 20 | Peak | VERTICAL |
| 3 | 5351.80 | 52.81 | 54.00 | -1.19 | 45.34 | 6.47 | 34.06 | 33.06 | 191 | 20 | Average | VERTICAL |
| 4 | 5352.40 | 69.09 | 74.00 | -4.91 | 61.62 | 6.47 | 34.06 | 33.06 | 191 | 20 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) | | |

**Channel 100**

| | 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 | 5424.80 | 52.38 | 54.00 | -1.62 | 44.71 | 6.56 | 34.17 | 33.06 | 198 | 11 | Average | VERTICAL |
| 2 | 5424.80 | 64.61 | 74.00 | -9.39 | 56.94 | 6.56 | 34.17 | 33.06 | 198 | 11 | Peak | VERTICAL |
| 3 | 5469.60 | 67.08 | 68.20 | -1.12 | 59.29 | 6.60 | 34.25 | 33.06 | 198 | 11 | Peak | VERTICAL |
| 4 | 5495.20 | 108.58 | | | 100.74 | 6.63 | 34.27 | 33.06 | 198 | 11 | Average | VERTICAL |
| 5 | 5504.80 | 118.28 | | | 110.40 | 6.65 | 34.30 | 33.07 | 198 | 11 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5420.80 | 64.95 | 74.00 | -9.05 | 57.31 | 6.53 | 34.17 | 33.06 | 198 | 10 | Peak | VERTICAL |
| 2 | 5424.80 | 52.99 | 54.00 | -1.01 | 45.32 | 6.56 | 34.17 | 33.06 | 198 | 10 | Average | VERTICAL |
| 3 | 5462.00 | 60.45 | 68.20 | -7.75 | 52.69 | 6.60 | 34.22 | 33.06 | 198 | 10 | Peak | VERTICAL |
| 4 | 5584.80 | 117.95 | | | 109.97 | 6.72 | 34.35 | 33.09 | 198 | 10 | Peak | VERTICAL |
| 5 | 5585.60 | 106.89 | | | 98.91 | 6.72 | 34.35 | 33.09 | 198 | 10 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5452.80 | 62.15 | 74.00 | -11.85 | 54.39 | 6.60 | 34.22 | 33.06 | 200 | 336 | Peak | VERTICAL |
| 2 | 5457.60 | 51.60 | 54.00 | -2.40 | 43.84 | 6.60 | 34.22 | 33.06 | 200 | 336 | Average | VERTICAL |
| 3 | 5462.40 | 63.15 | 68.20 | -5.05 | 55.39 | 6.60 | 34.22 | 33.06 | 200 | 336 | Peak | VERTICAL |
| 4 | 5692.80 | 115.87 | | | 107.77 | 6.81 | 34.41 | 33.12 | 200 | 336 | Peak | VERTICAL |
| 5 | 5698.80 | 105.77 | | | 97.67 | 6.81 | 34.41 | 33.12 | 200 | 336 | Average | VERTICAL |
| 6 | 5733.60 | 67.02 | 68.20 | -1.18 | 58.87 | 6.86 | 34.43 | 33.14 | 200 | 336 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) | | |

**Channel 54**

| | 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 | 5256.40 | 115.99 | | | 108.81 | 6.34 | 33.90 | 33.06 | 191 | 335 | Peak | VERTICAL |
| 2 | 5263.60 | 106.29 | | | 99.08 | 6.34 | 33.93 | 33.06 | 191 | 335 | Average | VERTICAL |
| 3 | 5354.00 | 62.36 | 74.00 | -11.64 | 54.89 | 6.47 | 34.06 | 33.06 | 191 | 335 | Peak | VERTICAL |
| 4 | 5424.40 | 51.05 | 54.00 | -2.95 | 43.38 | 6.56 | 34.17 | 33.06 | 191 | 335 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5315.20 | 96.49 | | | 89.14 | 6.40 | 34.01 | 33.06 | 202 | 11 | Average | VERTICAL |
| 2 | 5325.20 | 108.82 | | | 101.44 | 6.43 | 34.01 | 33.06 | 202 | 11 | Peak | VERTICAL |
| 3 | 5350.00 | 67.36 | 74.00 | -6.64 | 59.89 | 6.47 | 34.06 | 33.06 | 202 | 11 | Peak | VERTICAL |
| 4 | 5350.40 | 52.93 | 54.00 | -1.07 | 45.46 | 6.47 | 34.06 | 33.06 | 202 | 11 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) | | |

**Channel 102**

| | 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 | 5455.60 | 63.18 | 74.00 | -10.82 | 55.42 | 6.60 | 34.22 | 33.06 | 203 | 343 | Peak | VERTICAL |
| 2 | 5460.00 | 51.93 | 54.00 | -2.07 | 44.17 | 6.60 | 34.22 | 33.06 | 203 | 343 | Average | VERTICAL |
| 3 | 5465.60 | 67.02 | 68.20 | -1.18 | 59.23 | 6.60 | 34.25 | 33.06 | 203 | 343 | Peak | VERTICAL |
| 4 | 5525.20 | 114.75 | | | 106.86 | 6.65 | 34.31 | 33.07 | 203 | 343 | Peak | VERTICAL |
| 5 | 5525.60 | 104.29 | | | 96.40 | 6.65 | 34.31 | 33.07 | 203 | 343 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5394.80 | 52.04 | 54.00 | -1.96 | 44.46 | 6.50 | 34.14 | 33.06 | 201 | 11 | Average | VERTICAL |
| 2 | 5399.60 | 63.04 | 74.00 | -10.96 | 55.43 | 6.53 | 34.14 | 33.06 | 201 | 11 | Peak | VERTICAL |
| 3 | 5470.00 | 63.83 | 68.20 | -4.37 | 56.04 | 6.60 | 34.25 | 33.06 | 201 | 11 | Peak | VERTICAL |
| 4 | 5534.80 | 106.52 | | | 98.60 | 6.68 | 34.32 | 33.08 | 201 | 11 | Average | VERTICAL |
| 5 | 5534.80 | 116.82 | | | 108.90 | 6.68 | 34.32 | 33.08 | 201 | 11 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5654.80 | 102.51 | | | 94.45 | 6.79 | 34.39 | 33.12 | 197 | 11 | Average | VERTICAL |
| 2 | 5685.20 | 113.64 | | | 105.54 | 6.81 | 34.41 | 33.12 | 197 | 11 | Peak | VERTICAL |
| 3 | 5725.60 | 67.09 | 68.20 | -1.11 | 58.96 | 6.83 | 34.43 | 33.13 | 197 | 11 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) | | |

**Channel 58**

| | 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 | 5067.00 | 47.13 | 54.00 | -6.87 | 40.49 | 6.08 | 33.61 | 33.05 | 203 | 2 | Average | VERTICAL |
| 2 | 5073.00 | 59.40 | 74.00 | -14.60 | 52.71 | 6.11 | 33.63 | 33.05 | 203 | 2 | Peak | VERTICAL |
| 3 | 5263.00 | 94.68 | | | 87.47 | 6.34 | 33.93 | 33.06 | 203 | 2 | Average | VERTICAL |
| 4 | 5264.00 | 104.46 | | | 97.25 | 6.34 | 33.93 | 33.06 | 203 | 2 | Peak | VERTICAL |
| 5 | 5354.00 | 52.94 | 54.00 | -1.06 | 45.47 | 6.47 | 34.06 | 33.06 | 203 | 2 | Average | VERTICAL |
| 6 | 5359.00 | 63.21 | 74.00 | -10.79 | 55.74 | 6.47 | 34.06 | 33.06 | 203 | 2 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5455.00 | 63.27 | 74.00 | -10.73 | 55.51 | 6.60 | 34.22 | 33.06 | 210 | 343 | Peak | VERTICAL |
| 2 | 5460.00 | 52.94 | 54.00 | -1.06 | 45.18 | 6.60 | 34.22 | 33.06 | 210 | 343 | Average | VERTICAL |
| 3 | 5465.00 | 65.37 | 68.20 | -2.83 | 57.58 | 6.60 | 34.25 | 33.06 | 210 | 343 | Peak | VERTICAL |
| 4 | 5520.00 | 96.69 | | | 88.80 | 6.65 | 34.31 | 33.07 | 210 | 343 | Average | VERTICAL |
| 5 | 5535.00 | 105.90 | | | 97.98 | 6.68 | 34.32 | 33.08 | 210 | 343 | Peak | VERTICAL |
| 6 | 5769.00 | 60.15 | 68.20 | -8.05 | 51.95 | 6.88 | 34.47 | 33.15 | 210 | 343 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5454.00 | 52.55 | 54.00 | -1.45 | 44.79 | 6.60 | 34.22 | 33.06 | 142 | 11 | Average | VERTICAL |
| 2 | 5454.00 | 65.08 | 74.00 | -8.92 | 57.32 | 6.60 | 34.22 | 33.06 | 142 | 11 | Peak | VERTICAL |
| 3 | 5468.00 | 65.35 | 68.20 | -2.85 | 57.56 | 6.60 | 34.25 | 33.06 | 142 | 11 | Peak | VERTICAL |
| 4 | 5586.00 | 110.58 | | | 102.60 | 6.72 | 34.35 | 33.09 | 142 | 11 | Peak | VERTICAL |
| 5 | 5590.00 | 101.31 | | | 93.33 | 6.72 | 34.35 | 33.09 | 142 | 11 | Average | VERTICAL |
| 6 | 5738.00 | 65.05 | 68.20 | -3.15 | 56.89 | 6.86 | 34.44 | 33.14 | 142 | 11 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5610 MHz.

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) | | |

**Channel 144**

| | 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 | 5721.20 | 119.05 | | | 110.92 | 6.83 | 34.43 | 33.13 | 198 | 8 | Peak | VERTICAL |
| 2 | 5722.40 | 109.23 | | | 101.10 | 6.83 | 34.43 | 33.13 | 198 | 8 | Average | VERTICAL |
| 3 | 5883.20 | 64.98 | 68.20 | -3.22 | 56.66 | 6.97 | 34.53 | 33.18 | 198 | 8 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) | | |

**Channel 144**

| | 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 | 5714.00 | 107.42 | | | 99.30 | 6.83 | 34.42 | 33.13 | 198 | 335 | Average | VERTICAL |
| 2 | 5727.20 | 116.88 | | | 108.75 | 6.83 | 34.43 | 33.13 | 198 | 335 | Peak | VERTICAL |
| 3 | 5884.40 | 61.88 | 68.20 | -6.32 | 53.55 | 6.99 | 34.53 | 33.19 | 198 | 335 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) | | |

**Channel 142**

| | 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 | 5694.80 | 104.68 | | | 96.58 | 6.81 | 34.41 | 33.12 | 198 | 11 | Average | VERTICAL |
| 2 | 5705.20 | 114.64 | | | 106.52 | 6.83 | 34.42 | 33.13 | 198 | 11 | Peak | VERTICAL |
| 3 | 5855.60 | 62.29 | 68.20 | -5.91 | 53.99 | 6.95 | 34.52 | 33.17 | 198 | 11 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 02, 2015 | | |
| Test Mode | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) | | |

**Channel 138**

| | 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 | 5696.00 | 109.74 | | | 101.64 | 6.81 | 34.41 | 33.12 | 125 | 344 | Peak | VERTICAL |
| 2 | 5700.00 | 102.00 | | | 93.90 | 6.81 | 34.41 | 33.12 | 125 | 344 | Average | VERTICAL |
| 3 | 5852.00 | 66.78 | 68.20 | -1.42 | 58.49 | 6.95 | 34.51 | 33.17 | 125 | 344 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) | | |

**Channel 52**

| | 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 | 5257.11 | 97.42 | | | 89.23 | 7.35 | 33.90 | 33.06 | 235 | 68 | Average | HORIZONTAL |
| 2 | 5257.97 | 109.30 | | | 101.11 | 7.35 | 33.90 | 33.06 | 235 | 68 | Peak | HORIZONTAL |
| 3 | 5350.00 | 47.69 | 54.00 | -6.31 | 39.39 | 7.30 | 34.06 | 33.06 | 235 | 68 | Average | HORIZONTAL |
| 4 | 5353.18 | 61.53 | 74.00 | -12.47 | 53.23 | 7.30 | 34.06 | 33.06 | 235 | 68 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5292.84 | 97.46 | | | 89.21 | 7.33 | 33.98 | 33.06 | 227 | 71 | Average | HORIZONTAL |
| 2 | 5301.74 | 107.71 | | | 99.47 | 7.32 | 33.98 | 33.06 | 227 | 71 | Peak | HORIZONTAL |
| 3 | 5350.00 | 48.29 | 54.00 | -5.71 | 39.99 | 7.30 | 34.06 | 33.06 | 227 | 71 | Average | HORIZONTAL |
| 4 | 5350.43 | 62.24 | 74.00 | -11.76 | 53.94 | 7.30 | 34.06 | 33.06 | 227 | 71 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5317.11 | 95.00 | | | 86.73 | 7.32 | 34.01 | 33.06 | 220 | 64 | Average | VERTICAL |
| 2 | 5317.97 | 107.43 | | | 99.16 | 7.32 | 34.01 | 33.06 | 220 | 64 | Peak | VERTICAL |
| 3 | 5350.00 | 49.47 | 54.00 | -4.53 | 41.17 | 7.30 | 34.06 | 33.06 | 220 | 64 | Average | VERTICAL |
| 4 | 5350.29 | 64.61 | 74.00 | -9.39 | 56.31 | 7.30 | 34.06 | 33.06 | 220 | 64 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) | | |

**Channel 100**

| | 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 | 5460.00 | 48.48 | 54.00 | -5.52 | 39.94 | 7.38 | 34.22 | 33.06 | 232 | 77 | Average | HORIZONTAL |
| 2 | 5460.00 | 61.90 | 74.00 | -12.10 | 53.36 | 7.38 | 34.22 | 33.06 | 232 | 77 | Peak | HORIZONTAL |
| 3 | 5470.00 | 49.60 | 54.00 | -4.40 | 41.00 | 7.41 | 34.25 | 33.06 | 232 | 77 | Average | HORIZONTAL |
| 4 | 5470.00 | 65.18 | 74.00 | -8.82 | 56.58 | 7.41 | 34.25 | 33.06 | 232 | 77 | Peak | HORIZONTAL |
| 5 | 5497.97 | 109.26 | | | 100.58 | 7.44 | 34.30 | 33.06 | 232 | 77 | Peak | HORIZONTAL |
| 6 | 5506.66 | 97.68 | | | 88.97 | 7.48 | 34.30 | 33.07 | 232 | 77 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5459.13 | 59.96 | 74.00 | -14.04 | 51.42 | 7.38 | 34.22 | 33.06 | 226 | 78 | Peak | HORIZONTAL |
| 2 | 5460.00 | 47.54 | 54.00 | -6.46 | 39.00 | 7.38 | 34.22 | 33.06 | 226 | 78 | Average | HORIZONTAL |
| 3 | 5470.00 | 47.67 | 54.00 | -6.33 | 39.07 | 7.41 | 34.25 | 33.06 | 226 | 78 | Average | HORIZONTAL |
| 4 | 5470.00 | 59.34 | 74.00 | -14.66 | 50.74 | 7.41 | 34.25 | 33.06 | 226 | 78 | Peak | HORIZONTAL |
| 5 | 5581.74 | 109.26 | | | 100.39 | 7.61 | 34.35 | 33.09 | 226 | 78 | Peak | HORIZONTAL |
| 6 | 5583.04 | 97.66 | | | 88.79 | 7.61 | 34.35 | 33.09 | 226 | 78 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5693.20 | 93.93 | | | 85.20 | 7.44 | 34.41 | 33.12 | 226 | 72 | Average | HORIZONTAL |
| 2 | 5697.68 | 105.63 | | | 96.90 | 7.44 | 34.41 | 33.12 | 226 | 72 | Peak | HORIZONTAL |
| 3 | 5725.00 | 51.75 | 54.00 | -2.25 | 43.04 | 7.41 | 34.43 | 33.13 | 226 | 72 | Average | HORIZONTAL |
| 4 | 5725.58 | 66.44 | 74.00 | -7.56 | 57.73 | 7.41 | 34.43 | 33.13 | 226 | 72 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) | | |

**Channel 52**

| | 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 | 5263.76 | 109.04 | | | 100.83 | 7.34 | 33.93 | 33.06 | 209 | 72 | Peak | HORIZONTAL |
| 2 | 5264.92 | 97.42 | | | 89.21 | 7.34 | 33.93 | 33.06 | 209 | 72 | Average | HORIZONTAL |
| 3 | 5350.00 | 47.48 | 54.00 | -6.52 | 39.18 | 7.30 | 34.06 | 33.06 | 209 | 72 | Average | HORIZONTAL |
| 4 | 5352.60 | 60.76 | 74.00 | -13.24 | 52.46 | 7.30 | 34.06 | 33.06 | 209 | 72 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5292.40 | 94.59 | | | 86.37 | 7.33 | 33.95 | 33.06 | 229 | 63 | Average | VERTICAL |
| 2 | 5294.57 | 105.68 | | | 97.44 | 7.32 | 33.98 | 33.06 | 229 | 63 | Peak | VERTICAL |
| 3 | 5350.00 | 47.88 | 54.00 | -6.12 | 39.58 | 7.30 | 34.06 | 33.06 | 229 | 63 | Average | VERTICAL |
| 4 | 5351.74 | 61.07 | 74.00 | -12.93 | 52.77 | 7.30 | 34.06 | 33.06 | 229 | 63 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5317.97 | 108.15 | | | 99.88 | 7.32 | 34.01 | 33.06 | 216 | 59 | Peak | VERTICAL |
| 2 | 5327.96 | 95.73 | | | 87.44 | 7.32 | 34.03 | 33.06 | 216 | 59 | Average | VERTICAL |
| 3 | 5350.00 | 50.62 | 54.00 | -3.38 | 42.32 | 7.30 | 34.06 | 33.06 | 216 | 59 | Average | VERTICAL |
| 4 | 5351.30 | 66.25 | 74.00 | -7.75 | 57.95 | 7.30 | 34.06 | 33.06 | 216 | 59 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) | | |

**Channel 100**

| | 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 | 5460.00 | 48.39 | 54.00 | -5.61 | 39.85 | 7.38 | 34.22 | 33.06 | 227 | 74 | Average | HORIZONTAL |
| 2 | 5460.00 | 61.97 | 74.00 | -12.03 | 53.43 | 7.38 | 34.22 | 33.06 | 227 | 74 | Peak | HORIZONTAL |
| 3 | 5469.28 | 63.69 | 74.00 | -10.31 | 55.12 | 7.38 | 34.25 | 33.06 | 227 | 74 | Peak | HORIZONTAL |
| 4 | 5470.00 | 49.92 | 54.00 | -4.08 | 41.32 | 7.41 | 34.25 | 33.06 | 227 | 74 | Average | HORIZONTAL |
| 5 | 5503.62 | 108.60 | | | 99.93 | 7.44 | 34.30 | 33.07 | 227 | 74 | Peak | HORIZONTAL |
| 6 | 5506.22 | 97.27 | | | 88.56 | 7.48 | 34.30 | 33.07 | 227 | 74 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5459.57 | 60.17 | 74.00 | -13.83 | 51.63 | 7.38 | 34.22 | 33.06 | 216 | 78 | Peak | HORIZONTAL |
| 2 | 5460.00 | 47.57 | 54.00 | -6.43 | 39.03 | 7.38 | 34.22 | 33.06 | 216 | 78 | Average | HORIZONTAL |
| 3 | 5468.26 | 61.13 | 74.00 | -12.87 | 52.56 | 7.38 | 34.25 | 33.06 | 216 | 78 | Peak | HORIZONTAL |
| 4 | 5470.00 | 47.76 | 54.00 | -6.24 | 39.16 | 7.41 | 34.25 | 33.06 | 216 | 78 | Average | HORIZONTAL |
| 5 | 5577.40 | 97.75 | | | 88.93 | 7.57 | 34.34 | 33.09 | 216 | 78 | Average | HORIZONTAL |
| 6 | 5579.13 | 108.57 | | | 99.71 | 7.61 | 34.34 | 33.09 | 216 | 78 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5692.47 | 93.76 | | | 85.03 | 7.44 | 34.41 | 33.12 | 222 | 70 | Average | HORIZONTAL |
| 2 | 5698.12 | 104.67 | | | 95.94 | 7.44 | 34.41 | 33.12 | 222 | 70 | Peak | HORIZONTAL |
| 3 | 5725.00 | 52.44 | 54.00 | -1.56 | 43.73 | 7.41 | 34.43 | 33.13 | 222 | 70 | Average | HORIZONTAL |
| 4 | 5725.14 | 66.47 | 74.00 | -7.53 | 57.76 | 7.41 | 34.43 | 33.13 | 222 | 70 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 54, 62 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) | | |

**Channel 54**

| | 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 | 5262.47 | 94.31 | | | 86.10 | 7.34 | 33.93 | 33.06 | 238 | 62 | Average | VERTICAL |
| 2 | 5265.95 | 105.23 | | | 97.02 | 7.34 | 33.93 | 33.06 | 238 | 62 | Peak | VERTICAL |
| 3 | 5350.00 | 47.86 | 54.00 | -6.14 | 39.56 | 7.30 | 34.06 | 33.06 | 238 | 62 | Average | VERTICAL |
| 4 | 5350.87 | 59.44 | 74.00 | -14.56 | 51.14 | 7.30 | 34.06 | 33.06 | 238 | 62 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5292.34 | 91.00 | | | 82.78 | 7.33 | 33.95 | 33.06 | 228 | 74 | Average | HORIZONTAL |
| 2 | 5296.40 | 101.97 | | | 93.73 | 7.32 | 33.98 | 33.06 | 228 | 74 | Peak | HORIZONTAL |
| 3 | 5350.00 | 52.90 | 54.00 | -1.10 | 44.60 | 7.30 | 34.06 | 33.06 | 228 | 74 | Average | HORIZONTAL |
| 4 | 5352.60 | 66.38 | 74.00 | -7.62 | 58.08 | 7.30 | 34.06 | 33.06 | 228 | 74 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) | | |

**Channel 102**

| | 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 | 5459.13 | 62.99 | 74.00 | -11.01 | 54.45 | 7.38 | 34.22 | 33.06 | 218 | 69 | Peak | HORIZONTAL |
| 2 | 5460.00 | 49.46 | 54.00 | -4.54 | 40.92 | 7.38 | 34.22 | 33.06 | 218 | 69 | Average | HORIZONTAL |
| 3 | 5469.13 | 69.85 | 74.00 | -4.15 | 61.28 | 7.38 | 34.25 | 33.06 | 218 | 69 | Peak | HORIZONTAL |
| 4 | 5470.00 | 52.60 | 54.00 | -1.40 | 44.00 | 7.41 | 34.25 | 33.06 | 218 | 69 | Average | HORIZONTAL |
| 5 | 5518.68 | 104.57 | | | 95.85 | 7.48 | 34.31 | 33.07 | 218 | 69 | Peak | HORIZONTAL |
| 6 | 5523.89 | 93.41 | | | 84.66 | 7.51 | 34.31 | 33.07 | 218 | 69 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5458.55 | 60.30 | 74.00 | -13.70 | 51.76 | 7.38 | 34.22 | 33.06 | 230 | 75 | Peak | HORIZONTAL |
| 2 | 5460.00 | 48.36 | 54.00 | -5.64 | 39.82 | 7.38 | 34.22 | 33.06 | 230 | 75 | Average | HORIZONTAL |
| 3 | 5468.55 | 62.37 | 74.00 | -11.63 | 53.80 | 7.38 | 34.25 | 33.06 | 230 | 75 | Peak | HORIZONTAL |
| 4 | 5470.00 | 48.44 | 54.00 | -5.56 | 39.84 | 7.41 | 34.25 | 33.06 | 230 | 75 | Average | HORIZONTAL |
| 5 | 5552.89 | 107.70 | | | 98.91 | 7.54 | 34.33 | 33.08 | 230 | 75 | Peak | HORIZONTAL |
| 6 | 5553.18 | 96.66 | | | 87.87 | 7.54 | 34.33 | 33.08 | 230 | 75 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5652.63 | 91.22 | | | 82.42 | 7.52 | 34.39 | 33.11 | 223 | 72 | Average | HORIZONTAL |
| 2 | 5653.50 | 102.48 | | | 93.68 | 7.52 | 34.39 | 33.11 | 223 | 72 | Peak | HORIZONTAL |
| 3 | 5725.00 | 50.51 | 54.00 | -3.49 | 41.80 | 7.41 | 34.43 | 33.13 | 223 | 72 | Average | HORIZONTAL |
| 4 | 5726.45 | 65.44 | 74.00 | -8.56 | 56.77 | 7.37 | 34.43 | 33.13 | 223 | 72 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) | | |

**Channel 58**

| | 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 | 5254.69 | 100.08 | | | 91.89 | 7.35 | 33.90 | 33.06 | 231 | 79 | Peak | HORIZONTAL |
| 2 | 5262.50 | 88.89 | | | 80.68 | 7.34 | 33.93 | 33.06 | 231 | 79 | Average | HORIZONTAL |
| 3 | 5350.00 | 52.47 | 54.00 | -1.53 | 44.17 | 7.30 | 34.06 | 33.06 | 231 | 79 | Average | HORIZONTAL |
| 4 | 5353.76 | 65.84 | 74.00 | -8.16 | 57.54 | 7.30 | 34.06 | 33.06 | 231 | 79 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5457.40 | 65.34 | 74.00 | -8.66 | 56.80 | 7.38 | 34.22 | 33.06 | 234 | 77 | Peak | VERTICAL |
| 2 | 5459.57 | 51.98 | 54.00 | -2.02 | 43.44 | 7.38 | 34.22 | 33.06 | 234 | 77 | Average | VERTICAL |
| 3 | 5464.79 | 66.17 | 74.00 | -7.83 | 57.60 | 7.38 | 34.25 | 33.06 | 234 | 77 | Peak | VERTICAL |
| 4 | 5466.53 | 52.53 | 54.00 | -1.47 | 43.96 | 7.38 | 34.25 | 33.06 | 234 | 77 | Average | VERTICAL |
| 5 | 5524.36 | 101.07 | | | 92.32 | 7.51 | 34.31 | 33.07 | 234 | 77 | Peak | VERTICAL |
| 6 | 5558.65 | 89.26 | | | 80.47 | 7.54 | 34.33 | 33.08 | 234 | 77 | Average | VERTICAL |

Item 5, 6 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5576.57 | 100.85 | | | 92.02 | 7.57 | 34.34 | 33.08 | 211 | 72 | Peak | VERTICAL |
| 2 | 5580.91 | 89.71 | | | 80.85 | 7.61 | 34.34 | 33.09 | 211 | 72 | Average | VERTICAL |
| 3 | 5725.00 | 50.32 | 54.00 | -3.68 | 41.61 | 7.41 | 34.43 | 33.13 | 211 | 72 | Average | VERTICAL |
| 4 | 5726.30 | 61.55 | 74.00 | -12.45 | 52.84 | 7.41 | 34.43 | 33.13 | 211 | 72 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5610 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) | | |

**Channel 144**

| | 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 | 5712.91 | 93.56 | | | 84.86 | 7.41 | 34.42 | 33.13 | 229 | 59 | Average | VERTICAL |
| 2 | 5718.48 | 103.26 | | | 94.55 | 7.41 | 34.43 | 33.13 | 229 | 59 | Peak | VERTICAL |
| 3 | 5853.55 | 61.89 | 68.20 | -6.31 | 53.00 | 7.54 | 34.52 | 33.17 | 229 | 59 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) | | |

**Channel 144**

| | 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 | 5726.08 | 93.39 | | | 84.68 | 7.41 | 34.43 | 33.13 | 227 | 72 | Average | HORIZONTAL |
| 2 | 5726.58 | 103.08 | | | 94.41 | 7.37 | 34.43 | 33.13 | 227 | 72 | Peak | HORIZONTAL |
| 3 | 5853.04 | 61.87 | 68.20 | -6.33 | 52.99 | 7.54 | 34.51 | 33.17 | 227 | 72 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) | | |

**Channel 142**

| | 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 | 5696.11 | 91.43 | | | 82.70 | 7.44 | 34.41 | 33.12 | 228 | 76 | Average | HORIZONTAL |
| 2 | 5699.00 | 101.15 | | | 92.42 | 7.44 | 34.41 | 33.12 | 228 | 76 | Peak | HORIZONTAL |
| 3 | 5852.89 | 61.06 | 68.20 | -7.14 | 52.18 | 7.54 | 34.51 | 33.17 | 228 | 76 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) | | |

**Channel 138**

| | 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 | 5653.53 | 88.12 | | | 79.32 | 7.52 | 34.39 | 33.11 | 229 | 64 | Average | VERTICAL |
| 2 | 5654.69 | 98.43 | | | 89.64 | 7.52 | 34.39 | 33.12 | 229 | 64 | Peak | VERTICAL |
| 3 | 5852.89 | 62.11 | 68.20 | -6.09 | 53.23 | 7.54 | 34.51 | 33.17 | 229 | 64 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) | | |

**Channel 52**

| | 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 | 5262.89 | 101.71 | | | 93.50 | 7.34 | 33.93 | 33.06 | 253 | 109 | Average | VERTICAL |
| 2 | 5262.89 | 112.38 | | | 104.17 | 7.34 | 33.93 | 33.06 | 253 | 109 | Peak | VERTICAL |
| 3 | 5350.00 | 47.62 | 54.00 | -6.38 | 39.32 | 7.30 | 34.06 | 33.06 | 253 | 109 | Average | VERTICAL |
| 4 | 5353.47 | 61.37 | 74.00 | -12.63 | 53.07 | 7.30 | 34.06 | 33.06 | 253 | 109 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5296.09 | 111.45 | | | 103.21 | 7.32 | 33.98 | 33.06 | 225 | 74 | Peak | HORIZONTAL |
| 2 | 5305.64 | 101.08 | | | 92.84 | 7.32 | 33.98 | 33.06 | 225 | 74 | Average | HORIZONTAL |
| 3 | 5350.00 | 48.18 | 54.00 | -5.82 | 39.88 | 7.30 | 34.06 | 33.06 | 225 | 74 | Average | HORIZONTAL |
| 4 | 5350.65 | 60.29 | 74.00 | -13.71 | 51.99 | 7.30 | 34.06 | 33.06 | 225 | 74 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5315.51 | 110.95 | | | 102.68 | 7.32 | 34.01 | 33.06 | 228 | 74 | Peak | HORIZONTAL |
| 2 | 5315.66 | 100.41 | | | 92.14 | 7.32 | 34.01 | 33.06 | 228 | 74 | Average | HORIZONTAL |
| 3 | 5350.00 | 51.04 | 54.00 | -2.96 | 42.74 | 7.30 | 34.06 | 33.06 | 228 | 74 | Average | HORIZONTAL |
| 4 | 5351.01 | 68.27 | 74.00 | -5.73 | 59.97 | 7.30 | 34.06 | 33.06 | 228 | 74 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) | | |

**Channel 100**

| | 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 | 5460.00 | 49.00 | 54.00 | -5.00 | 40.46 | 7.38 | 34.22 | 33.06 | 227 | 70 | Average | HORIZONTAL |
| 2 | 5460.00 | 62.43 | 74.00 | -11.57 | 53.89 | 7.38 | 34.22 | 33.06 | 227 | 70 | Peak | HORIZONTAL |
| 3 | 5469.86 | 66.26 | 74.00 | -7.74 | 57.66 | 7.41 | 34.25 | 33.06 | 227 | 70 | Peak | HORIZONTAL |
| 4 | 5470.00 | 50.47 | 54.00 | -3.53 | 41.87 | 7.41 | 34.25 | 33.06 | 227 | 70 | Average | HORIZONTAL |
| 5 | 5505.21 | 101.48 | | | 92.81 | 7.44 | 34.30 | 33.07 | 227 | 70 | Average | HORIZONTAL |
| 6 | 5505.79 | 112.43 | | | 103.72 | 7.48 | 34.30 | 33.07 | 227 | 70 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5457.83 | 60.31 | 74.00 | -13.69 | 51.77 | 7.38 | 34.22 | 33.06 | 222 | 75 | Peak | HORIZONTAL |
| 2 | 5460.00 | 47.78 | 54.00 | -6.22 | 39.24 | 7.38 | 34.22 | 33.06 | 222 | 75 | Average | HORIZONTAL |
| 3 | 5465.22 | 60.59 | 74.00 | -13.41 | 52.02 | 7.38 | 34.25 | 33.06 | 222 | 75 | Peak | HORIZONTAL |
| 4 | 5470.00 | 48.06 | 54.00 | -5.94 | 39.46 | 7.41 | 34.25 | 33.06 | 222 | 75 | Average | HORIZONTAL |
| 5 | 5584.78 | 101.73 | | | 92.86 | 7.61 | 34.35 | 33.09 | 222 | 75 | Average | HORIZONTAL |
| 6 | 5584.78 | 111.89 | | | 103.02 | 7.61 | 34.35 | 33.09 | 222 | 75 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5694.50 | 110.05 | | | 101.32 | 7.44 | 34.41 | 33.12 | 223 | 72 | Peak | HORIZONTAL |
| 2 | 5694.65 | 98.86 | | | 90.13 | 7.44 | 34.41 | 33.12 | 223 | 72 | Average | HORIZONTAL |
| 3 | 5725.58 | 67.76 | 74.00 | -6.24 | 59.05 | 7.41 | 34.43 | 33.13 | 223 | 72 | Peak | HORIZONTAL |
| 4 | 5725.72 | 52.69 | 54.00 | -1.31 | 43.98 | 7.41 | 34.43 | 33.13 | 223 | 72 | Average | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) | | |

**Channel 52**

| | 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 | 5261.16 | 112.12 | | | 103.91 | 7.34 | 33.93 | 33.06 | 229 | 77 | Peak | HORIZONTAL |
| 2 | 5262.60 | 101.52 | | | 93.31 | 7.34 | 33.93 | 33.06 | 229 | 77 | Average | HORIZONTAL |
| 3 | 5350.00 | 47.45 | 54.00 | -6.55 | 39.15 | 7.30 | 34.06 | 33.06 | 229 | 77 | Average | HORIZONTAL |
| 4 | 5351.45 | 60.50 | 74.00 | -13.50 | 52.20 | 7.30 | 34.06 | 33.06 | 229 | 77 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5292.62 | 111.10 | | | 102.85 | 7.33 | 33.98 | 33.06 | 226 | 78 | Peak | HORIZONTAL |
| 2 | 5292.84 | 100.36 | | | 92.11 | 7.33 | 33.98 | 33.06 | 226 | 78 | Average | HORIZONTAL |
| 3 | 5350.00 | 48.27 | 54.00 | -5.73 | 39.97 | 7.30 | 34.06 | 33.06 | 226 | 78 | Average | HORIZONTAL |
| 4 | 5350.65 | 60.48 | 74.00 | -13.52 | 52.18 | 7.30 | 34.06 | 33.06 | 226 | 78 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5312.76 | 99.95 | | | 91.68 | 7.32 | 34.01 | 33.06 | 226 | 76 | Average | HORIZONTAL |
| 2 | 5317.68 | 111.13 | | | 102.86 | 7.32 | 34.01 | 33.06 | 226 | 76 | Peak | HORIZONTAL |
| 3 | 5350.00 | 51.82 | 54.00 | -2.18 | 43.52 | 7.30 | 34.06 | 33.06 | 226 | 76 | Average | HORIZONTAL |
| 4 | 5350.29 | 68.22 | 74.00 | -5.78 | 59.92 | 7.30 | 34.06 | 33.06 | 226 | 76 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) | | |

**Channel 100**

| | 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 | 5460.00 | 49.11 | 54.00 | -4.89 | 40.57 | 7.38 | 34.22 | 33.06 | 216 | 68 | Average | HORIZONTAL |
| 2 | 5460.00 | 62.20 | 74.00 | -11.80 | 53.66 | 7.38 | 34.22 | 33.06 | 216 | 68 | Peak | HORIZONTAL |
| 3 | 5469.28 | 65.53 | 74.00 | -8.47 | 56.96 | 7.38 | 34.25 | 33.06 | 216 | 68 | Peak | HORIZONTAL |
| 4 | 5470.00 | 51.48 | 54.00 | -2.52 | 42.88 | 7.41 | 34.25 | 33.06 | 216 | 68 | Average | HORIZONTAL |
| 5 | 5492.76 | 100.94 | | | 92.29 | 7.44 | 34.27 | 33.06 | 216 | 68 | Average | HORIZONTAL |
| 6 | 5495.08 | 112.27 | | | 103.62 | 7.44 | 34.27 | 33.06 | 216 | 68 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5458.26 | 60.45 | 74.00 | -13.55 | 51.91 | 7.38 | 34.22 | 33.06 | 216 | 70 | Peak | HORIZONTAL |
| 2 | 5460.00 | 47.76 | 54.00 | -6.24 | 39.22 | 7.38 | 34.22 | 33.06 | 216 | 70 | Average | HORIZONTAL |
| 3 | 5470.00 | 47.86 | 54.00 | -6.14 | 39.26 | 7.41 | 34.25 | 33.06 | 216 | 70 | Average | HORIZONTAL |
| 4 | 5470.00 | 60.51 | 74.00 | -13.49 | 51.91 | 7.41 | 34.25 | 33.06 | 216 | 70 | Peak | HORIZONTAL |
| 5 | 5582.17 | 101.62 | | | 92.75 | 7.61 | 34.35 | 33.09 | 216 | 70 | Average | HORIZONTAL |
| 6 | 5582.60 | 112.67 | | | 103.80 | 7.61 | 34.35 | 33.09 | 216 | 70 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5702.32 | 98.06 | | | 89.32 | 7.44 | 34.42 | 33.12 | 220 | 68 | Average | HORIZONTAL |
| 2 | 5704.92 | 109.70 | | | 100.97 | 7.44 | 34.42 | 33.13 | 220 | 68 | Peak | HORIZONTAL |
| 3 | 5725.00 | 52.83 | 54.00 | -1.17 | 44.12 | 7.41 | 34.43 | 33.13 | 220 | 68 | Average | HORIZONTAL |
| 4 | 5725.00 | 70.34 | 74.00 | -3.66 | 61.63 | 7.41 | 34.43 | 33.13 | 220 | 68 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) | | |

**Channel 54**

| | 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 | 5255.53 | 109.30 | | | 101.11 | 7.35 | 33.90 | 33.06 | 225 | 78 | Peak | HORIZONTAL |
| 2 | 5265.37 | 98.19 | | | 89.98 | 7.34 | 33.93 | 33.06 | 225 | 78 | Average | HORIZONTAL |
| 3 | 5350.00 | 48.23 | 54.00 | -5.77 | 39.93 | 7.30 | 34.06 | 33.06 | 225 | 78 | Average | HORIZONTAL |
| 4 | 5350.29 | 60.74 | 74.00 | -13.26 | 52.44 | 7.30 | 34.06 | 33.06 | 225 | 78 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5292.85 | 92.75 | | | 84.50 | 7.33 | 33.98 | 33.06 | 225 | 77 | Average | HORIZONTAL |
| 2 | 5295.24 | 104.11 | | | 95.87 | 7.32 | 33.98 | 33.06 | 225 | 77 | Peak | HORIZONTAL |
| 3 | 5350.43 | 52.16 | 54.00 | -1.84 | 43.86 | 7.30 | 34.06 | 33.06 | 225 | 77 | Average | HORIZONTAL |
| 4 | 5350.43 | 65.06 | 74.00 | -8.94 | 56.76 | 7.30 | 34.06 | 33.06 | 225 | 77 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) | | |

**Channel 102**

| | 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 | 5457.18 | 62.10 | 74.00 | -11.90 | 53.56 | 7.38 | 34.22 | 33.06 | 234 | 78 | Peak | VERTICAL |
| 2 | 5458.48 | 49.56 | 54.00 | -4.44 | 41.02 | 7.38 | 34.22 | 33.06 | 234 | 78 | Average | VERTICAL |
| 3 | 5468.91 | 52.80 | 54.00 | -1.20 | 44.23 | 7.38 | 34.25 | 33.06 | 234 | 78 | Average | VERTICAL |
| 4 | 5469.13 | 72.31 | 74.00 | -1.69 | 63.74 | 7.38 | 34.25 | 33.06 | 234 | 78 | Peak | VERTICAL |
| 5 | 5523.46 | 108.44 | | | 99.72 | 7.48 | 34.31 | 33.07 | 234 | 78 | Peak | VERTICAL |
| 6 | 5523.68 | 96.53 | | | 87.78 | 7.51 | 34.31 | 33.07 | 234 | 78 | Average | VERTICAL |

Item 5, 6 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5460.00 | 49.14 | 54.00 | -4.86 | 40.60 | 7.38 | 34.22 | 33.06 | 202 | 74 | Average | HORIZONTAL |
| 2 | 5460.00 | 61.76 | 74.00 | -12.24 | 53.22 | 7.38 | 34.22 | 33.06 | 202 | 74 | Peak | HORIZONTAL |
| 3 | 5467.40 | 61.96 | 74.00 | -12.04 | 53.39 | 7.38 | 34.25 | 33.06 | 202 | 74 | Peak | HORIZONTAL |
| 4 | 5469.42 | 49.22 | 54.00 | -4.78 | 40.65 | 7.38 | 34.25 | 33.06 | 202 | 74 | Average | HORIZONTAL |
| 5 | 5534.66 | 100.21 | | | 91.46 | 7.51 | 34.32 | 33.08 | 202 | 74 | Average | HORIZONTAL |
| 6 | 5556.95 | 111.48 | | | 102.69 | 7.54 | 34.33 | 33.08 | 202 | 74 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5681.94 | 106.61 | | | 97.85 | 7.48 | 34.40 | 33.12 | 229 | 74 | Peak | VERTICAL |
| 2 | 5682.16 | 95.63 | | | 86.87 | 7.48 | 34.40 | 33.12 | 229 | 74 | Average | VERTICAL |
| 3 | 5725.22 | 52.68 | 54.00 | -1.32 | 43.97 | 7.41 | 34.43 | 33.13 | 229 | 74 | Average | VERTICAL |
| 4 | 5725.65 | 66.40 | 74.00 | -7.60 | 57.69 | 7.41 | 34.43 | 33.13 | 229 | 74 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 / Chain 1 + Chain 2 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) | | |

**Channel 58**

| | 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 | 5258.16 | 103.58 | | | 95.39 | 7.35 | 33.90 | 33.06 | 225 | 76 | Peak | HORIZONTAL |
| 2 | 5260.48 | 90.68 | | | 82.47 | 7.34 | 33.93 | 33.06 | 225 | 76 | Average | HORIZONTAL |
| 3 | 5350.29 | 52.96 | 54.00 | -1.04 | 44.66 | 7.30 | 34.06 | 33.06 | 225 | 76 | Average | HORIZONTAL |
| 4 | 5350.29 | 65.80 | 74.00 | -8.20 | 57.50 | 7.30 | 34.06 | 33.06 | 225 | 76 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5460.00 | 52.68 | 54.00 | -1.32 | 44.14 | 7.38 | 34.22 | 33.06 | 223 | 74 | Average | HORIZONTAL |
| 2 | 5460.00 | 65.04 | 74.00 | -8.96 | 56.50 | 7.38 | 34.22 | 33.06 | 223 | 74 | Peak | HORIZONTAL |
| 3 | 5467.11 | 68.42 | 74.00 | -5.58 | 59.85 | 7.38 | 34.25 | 33.06 | 223 | 74 | Peak | HORIZONTAL |
| 4 | 5469.71 | 52.74 | 54.00 | -1.26 | 44.14 | 7.41 | 34.25 | 33.06 | 223 | 74 | Average | HORIZONTAL |
| 5 | 5540.71 | 105.06 | | | 96.31 | 7.51 | 34.32 | 33.08 | 223 | 74 | Peak | HORIZONTAL |
| 6 | 5545.05 | 93.65 | | | 84.87 | 7.54 | 34.32 | 33.08 | 223 | 74 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5582.65 | 95.28 | | | 86.41 | 7.61 | 34.35 | 33.09 | 212 | 76 | Average | HORIZONTAL |
| 2 | 5586.99 | 106.07 | | | 97.20 | 7.61 | 34.35 | 33.09 | 212 | 76 | Peak | HORIZONTAL |
| 3 | 5725.43 | 52.93 | 54.00 | -1.07 | 44.22 | 7.41 | 34.43 | 33.13 | 212 | 76 | Average | HORIZONTAL |
| 4 | 5727.17 | 65.39 | 74.00 | -8.61 | 56.72 | 7.37 | 34.43 | 33.13 | 212 | 76 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5610 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) | | |

**Channel 144**

| | 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 | 5714.36 | 100.59 | | | 91.89 | 7.41 | 34.42 | 33.13 | 212 | 69 | Average | HORIZONTAL |
| 2 | 5724.78 | 110.53 | | | 101.82 | 7.41 | 34.43 | 33.13 | 212 | 69 | Peak | HORIZONTAL |
| 3 | 5851.30 | 61.12 | 68.20 | -7.08 | 52.24 | 7.54 | 34.51 | 33.17 | 212 | 69 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 144 / Chain 1 + Chain 2 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) | | |

**Channel 144**

| | 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 | 5714.36 | 99.64 | | | 90.94 | 7.41 | 34.42 | 33.13 | 190 | 77 | Average | HORIZONTAL |
| 2 | 5716.96 | 109.75 | | | 101.05 | 7.41 | 34.42 | 33.13 | 190 | 77 | Peak | HORIZONTAL |
| 3 | 5853.91 | 62.37 | 68.20 | -5.83 | 53.48 | 7.54 | 34.52 | 33.17 | 190 | 77 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) | | |

**Channel 142**

| | 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 | 5696.11 | 95.43 | | | 86.70 | 7.44 | 34.41 | 33.12 | 252 | 79 | Average | VERTICAL |
| 2 | 5703.49 | 105.53 | | | 96.79 | 7.44 | 34.42 | 33.12 | 252 | 79 | Peak | VERTICAL |
| 3 | 5850.87 | 61.45 | 68.20 | -6.75 | 52.57 | 7.54 | 34.51 | 33.17 | 252 | 79 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) | | |

**Channel 138**

| | 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 | 5677.34 | 104.14 | | | 95.38 | 7.48 | 34.40 | 33.12 | 214 | 74 | Peak | HORIZONTAL |
| 2 | 5684.93 | 93.15 | | | 84.38 | 7.48 | 34.41 | 33.12 | 214 | 74 | Average | HORIZONTAL |
| 3 | 5850.00 | 62.28 | 68.20 | -5.92 | 53.40 | 7.54 | 34.51 | 33.17 | 214 | 74 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) | | |

**Channel 52**

| | 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 | 5261.16 | 105.28 | | | 97.07 | 7.34 | 33.93 | 33.06 | 232 | 77 | Average | HORIZONTAL |
| 2 | 5261.45 | 115.44 | | | 107.23 | 7.34 | 33.93 | 33.06 | 232 | 77 | Peak | HORIZONTAL |
| 3 | 5350.00 | 47.81 | 54.00 | -6.19 | 39.51 | 7.30 | 34.06 | 33.06 | 232 | 77 | Average | HORIZONTAL |
| 4 | 5350.29 | 60.28 | 74.00 | -13.72 | 51.98 | 7.30 | 34.06 | 33.06 | 232 | 77 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5301.09 | 103.71 | | | 95.47 | 7.32 | 33.98 | 33.06 | 220 | 74 | Average | HORIZONTAL |
| 2 | 5301.30 | 113.97 | | | 105.73 | 7.32 | 33.98 | 33.06 | 220 | 74 | Peak | HORIZONTAL |
| 3 | 5350.65 | 61.28 | 74.00 | -12.72 | 52.98 | 7.30 | 34.06 | 33.06 | 220 | 74 | Peak | HORIZONTAL |
| 4 | 5350.87 | 48.62 | 54.00 | -5.38 | 40.32 | 7.30 | 34.06 | 33.06 | 220 | 74 | Average | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5321.01 | 102.43 | | | 94.16 | 7.32 | 34.01 | 33.06 | 210 | 75 | Average | HORIZONTAL |
| 2 | 5321.45 | 112.64 | | | 104.37 | 7.32 | 34.01 | 33.06 | 210 | 75 | Peak | HORIZONTAL |
| 3 | 5350.00 | 51.25 | 54.00 | -2.75 | 42.95 | 7.30 | 34.06 | 33.06 | 210 | 75 | Average | HORIZONTAL |
| 4 | 5352.03 | 67.83 | 74.00 | -6.17 | 59.53 | 7.30 | 34.06 | 33.06 | 210 | 75 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) | | |

**Channel 100**

| | 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 | 5459.57 | 62.74 | 74.00 | -11.26 | 54.20 | 7.38 | 34.22 | 33.06 | 212 | 75 | Peak | HORIZONTAL |
| 2 | 5460.00 | 49.88 | 54.00 | -4.12 | 41.34 | 7.38 | 34.22 | 33.06 | 212 | 75 | Average | HORIZONTAL |
| 3 | 5469.86 | 67.70 | 74.00 | -6.30 | 59.10 | 7.41 | 34.25 | 33.06 | 212 | 75 | Peak | HORIZONTAL |
| 4 | 5470.00 | 51.81 | 54.00 | -2.19 | 43.21 | 7.41 | 34.25 | 33.06 | 212 | 75 | Average | HORIZONTAL |
| 5 | 5499.57 | 114.23 | | | 105.55 | 7.44 | 34.30 | 33.06 | 212 | 75 | Peak | HORIZONTAL |
| 6 | 5500.87 | 104.08 | | | 95.41 | 7.44 | 34.30 | 33.07 | 212 | 75 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5460.00 | 48.31 | 54.00 | -5.69 | 39.77 | 7.38 | 34.22 | 33.06 | 232 | 74 | Average | HORIZONTAL |
| 2 | 5460.00 | 60.39 | 74.00 | -13.61 | 51.85 | 7.38 | 34.22 | 33.06 | 232 | 74 | Peak | HORIZONTAL |
| 3 | 5468.91 | 60.06 | 74.00 | -13.94 | 51.49 | 7.38 | 34.25 | 33.06 | 232 | 74 | Peak | HORIZONTAL |
| 4 | 5470.00 | 48.31 | 54.00 | -5.69 | 39.71 | 7.41 | 34.25 | 33.06 | 232 | 74 | Average | HORIZONTAL |
| 5 | 5579.64 | 114.59 | | | 105.73 | 7.61 | 34.34 | 33.09 | 232 | 74 | Peak | HORIZONTAL |
| 6 | 5580.72 | 104.47 | | | 95.61 | 7.61 | 34.34 | 33.09 | 232 | 74 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5699.57 | 112.09 | | | 103.36 | 7.44 | 34.41 | 33.12 | 232 | 76 | Peak | HORIZONTAL |
| 2 | 5700.72 | 102.11 | | | 93.37 | 7.44 | 34.42 | 33.12 | 232 | 76 | Average | HORIZONTAL |
| 3 | 5729.49 | 52.73 | 54.00 | -1.27 | 44.06 | 7.37 | 34.43 | 33.13 | 232 | 76 | Average | HORIZONTAL |
| 4 | 5730.21 | 68.96 | 74.00 | -5.04 | 60.29 | 7.37 | 34.43 | 33.13 | 232 | 76 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) | | |

**Channel 52**

| | 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 | 5266.66 | 113.58 | | | 105.37 | 7.34 | 33.93 | 33.06 | 275 | 70 | Peak | VERTICAL |
| 2 | 5266.95 | 103.20 | | | 94.99 | 7.34 | 33.93 | 33.06 | 275 | 70 | Average | VERTICAL |
| 3 | 5350.00 | 47.97 | 54.00 | -6.03 | 39.67 | 7.30 | 34.06 | 33.06 | 275 | 70 | Average | VERTICAL |
| 4 | 5353.18 | 61.51 | 74.00 | -12.49 | 53.21 | 7.30 | 34.06 | 33.06 | 275 | 70 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5292.62 | 113.34 | | | 105.09 | 7.33 | 33.98 | 33.06 | 225 | 88 | Peak | HORIZONTAL |
| 2 | 5293.05 | 102.96 | | | 94.71 | 7.33 | 33.98 | 33.06 | 225 | 88 | Average | HORIZONTAL |
| 3 | 5350.00 | 48.43 | 54.00 | -5.57 | 40.13 | 7.30 | 34.06 | 33.06 | 225 | 88 | Average | HORIZONTAL |
| 4 | 5351.52 | 60.47 | 74.00 | -13.53 | 52.17 | 7.30 | 34.06 | 33.06 | 225 | 88 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5312.76 | 112.57 | | | 104.30 | 7.32 | 34.01 | 33.06 | 227 | 88 | Peak | HORIZONTAL |
| 2 | 5312.91 | 102.01 | | | 93.74 | 7.32 | 34.01 | 33.06 | 227 | 88 | Average | HORIZONTAL |
| 3 | 5352.89 | 51.62 | 54.00 | -2.38 | 43.32 | 7.30 | 34.06 | 33.06 | 227 | 88 | Average | HORIZONTAL |
| 4 | 5353.04 | 68.83 | 74.00 | -5.17 | 60.53 | 7.30 | 34.06 | 33.06 | 227 | 88 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) | | |

**Channel 100**

| | 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 | 5459.86 | 63.17 | 74.00 | -10.83 | 54.63 | 7.38 | 34.22 | 33.06 | 225 | 70 | Peak | HORIZONTAL |
| 2 | 5460.00 | 50.12 | 54.00 | -3.88 | 41.58 | 7.38 | 34.22 | 33.06 | 225 | 70 | Average | HORIZONTAL |
| 3 | 5470.00 | 51.64 | 54.00 | -2.36 | 43.04 | 7.41 | 34.25 | 33.06 | 225 | 70 | Average | HORIZONTAL |
| 4 | 5470.00 | 65.67 | 74.00 | -8.33 | 57.07 | 7.41 | 34.25 | 33.06 | 225 | 70 | Peak | HORIZONTAL |
| 5 | 5495.22 | 103.19 | | | 94.54 | 7.44 | 34.27 | 33.06 | 225 | 70 | Average | HORIZONTAL |
| 6 | 5495.37 | 114.22 | | | 105.57 | 7.44 | 34.27 | 33.06 | 225 | 70 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5460.00 | 48.17 | 54.00 | -5.83 | 39.63 | 7.38 | 34.22 | 33.06 | 225 | 74 | Average | HORIZONTAL |
| 2 | 5460.00 | 58.72 | 74.00 | -15.28 | 50.18 | 7.38 | 34.22 | 33.06 | 225 | 74 | Peak | HORIZONTAL |
| 3 | 5470.00 | 48.21 | 54.00 | -5.79 | 39.61 | 7.41 | 34.25 | 33.06 | 225 | 74 | Average | HORIZONTAL |
| 4 | 5470.00 | 60.33 | 74.00 | -13.67 | 51.73 | 7.41 | 34.25 | 33.06 | 225 | 74 | Peak | HORIZONTAL |
| 5 | 5585.07 | 104.33 | | | 95.46 | 7.61 | 34.35 | 33.09 | 225 | 74 | Average | HORIZONTAL |
| 6 | 5585.07 | 114.29 | | | 105.42 | 7.61 | 34.35 | 33.09 | 225 | 74 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5694.36 | 100.43 | | | 91.70 | 7.44 | 34.41 | 33.12 | 193 | 68 | Average | HORIZONTAL |
| 2 | 5694.65 | 112.03 | | | 103.30 | 7.44 | 34.41 | 33.12 | 193 | 68 | Peak | HORIZONTAL |
| 3 | 5725.00 | 52.74 | 54.00 | -1.26 | 44.03 | 7.41 | 34.43 | 33.13 | 193 | 68 | Average | HORIZONTAL |
| 4 | 5725.00 | 68.57 | 74.00 | -5.43 | 59.86 | 7.41 | 34.43 | 33.13 | 193 | 68 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) | | |

**Channel 54**

| | 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 | 5265.08 | 102.61 | | | 94.40 | 7.34 | 33.93 | 33.06 | 208 | 74 | Average | HORIZONTAL |
| 2 | 5265.37 | 113.37 | | | 105.16 | 7.34 | 33.93 | 33.06 | 208 | 74 | Peak | HORIZONTAL |
| 3 | 5350.29 | 49.54 | 54.00 | -4.46 | 41.24 | 7.30 | 34.06 | 33.06 | 208 | 74 | Average | HORIZONTAL |
| 4 | 5351.45 | 62.16 | 74.00 | -11.84 | 53.86 | 7.30 | 34.06 | 33.06 | 208 | 74 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5295.02 | 94.57 | | | 86.33 | 7.32 | 33.98 | 33.06 | 206 | 73 | Average | HORIZONTAL |
| 2 | 5295.24 | 106.03 | | | 97.79 | 7.32 | 33.98 | 33.06 | 206 | 73 | Peak | HORIZONTAL |
| 3 | 5350.00 | 52.91 | 54.00 | -1.09 | 44.61 | 7.30 | 34.06 | 33.06 | 206 | 73 | Average | HORIZONTAL |
| 4 | 5350.43 | 64.93 | 74.00 | -9.07 | 56.63 | 7.30 | 34.06 | 33.06 | 206 | 73 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) | | |

**Channel 102**

| | 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 | 5456.31 | 61.36 | 74.00 | -12.64 | 52.82 | 7.38 | 34.22 | 33.06 | 255 | 74 | Peak | VERTICAL |
| 2 | 5456.53 | 49.71 | 54.00 | -4.29 | 41.17 | 7.38 | 34.22 | 33.06 | 255 | 74 | Average | VERTICAL |
| 3 | 5466.53 | 72.87 | 74.00 | -1.13 | 64.30 | 7.38 | 34.25 | 33.06 | 255 | 74 | Peak | VERTICAL |
| 4 | 5470.00 | 50.66 | 54.00 | -3.34 | 42.06 | 7.41 | 34.25 | 33.06 | 255 | 74 | Average | VERTICAL |
| 5 | 5521.29 | 98.99 | | | 90.27 | 7.48 | 34.31 | 33.07 | 255 | 74 | Average | VERTICAL |
| 6 | 5521.29 | 110.36 | | | 101.64 | 7.48 | 34.31 | 33.07 | 255 | 74 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5456.53 | 61.87 | 74.00 | -12.13 | 53.33 | 7.38 | 34.22 | 33.06 | 255 | 73 | Peak | VERTICAL |
| 2 | 5456.82 | 49.50 | 54.00 | -4.50 | 40.96 | 7.38 | 34.22 | 33.06 | 255 | 73 | Average | VERTICAL |
| 3 | 5466.82 | 50.08 | 54.00 | -3.92 | 41.51 | 7.38 | 34.25 | 33.06 | 255 | 73 | Average | VERTICAL |
| 4 | 5470.00 | 62.54 | 74.00 | -11.46 | 53.94 | 7.41 | 34.25 | 33.06 | 255 | 73 | Peak | VERTICAL |
| 5 | 5536.11 | 102.68 | | | 93.93 | 7.51 | 34.32 | 33.08 | 255 | 73 | Average | VERTICAL |
| 6 | 5546.53 | 112.82 | | | 104.04 | 7.54 | 34.32 | 33.08 | 255 | 73 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5684.47 | 109.63 | | | 100.86 | 7.48 | 34.41 | 33.12 | 216 | 75 | Peak | HORIZONTAL |
| 2 | 5684.76 | 98.36 | | | 89.59 | 7.48 | 34.41 | 33.12 | 216 | 75 | Average | HORIZONTAL |
| 3 | 5725.00 | 52.74 | 54.00 | -1.26 | 44.03 | 7.41 | 34.43 | 33.13 | 216 | 75 | Average | HORIZONTAL |
| 4 | 5725.00 | 67.64 | 74.00 | -6.36 | 58.93 | 7.41 | 34.43 | 33.13 | 216 | 75 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) | | |

**Channel 58**

| | 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 | 5260.19 | 91.67 | | | 83.46 | 7.34 | 33.93 | 33.06 | 208 | 68 | Average | HORIZONTAL |
| 2 | 5265.11 | 103.38 | | | 95.17 | 7.34 | 33.93 | 33.06 | 208 | 68 | Peak | HORIZONTAL |
| 3 | 5350.00 | 52.77 | 54.00 | -1.23 | 44.47 | 7.30 | 34.06 | 33.06 | 208 | 68 | Average | HORIZONTAL |
| 4 | 5350.29 | 64.77 | 74.00 | -9.23 | 56.47 | 7.30 | 34.06 | 33.06 | 208 | 68 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5459.71 | 66.12 | 74.00 | -7.88 | 57.58 | 7.38 | 34.22 | 33.06 | 208 | 73 | Peak | HORIZONTAL |
| 2 | 5460.00 | 52.44 | 54.00 | -1.56 | 43.90 | 7.38 | 34.22 | 33.06 | 208 | 73 | Average | HORIZONTAL |
| 3 | 5470.00 | 52.14 | 54.00 | -1.86 | 43.54 | 7.41 | 34.25 | 33.06 | 208 | 73 | Average | HORIZONTAL |
| 4 | 5470.00 | 66.40 | 74.00 | -7.60 | 57.80 | 7.41 | 34.25 | 33.06 | 208 | 73 | Peak | HORIZONTAL |
| 5 | 5524.79 | 95.32 | | | 86.57 | 7.51 | 34.31 | 33.07 | 208 | 73 | Average | HORIZONTAL |
| 6 | 5534.92 | 105.72 | | | 96.97 | 7.51 | 34.32 | 33.08 | 208 | 73 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5596.11 | 95.29 | | | 86.42 | 7.61 | 34.35 | 33.09 | 250 | 76 | Average | VERTICAL |
| 2 | 5601.32 | 107.76 | | | 98.85 | 7.64 | 34.36 | 33.09 | 250 | 76 | Peak | VERTICAL |
| 3 | 5726.30 | 52.84 | 54.00 | -1.16 | 44.13 | 7.41 | 34.43 | 33.13 | 250 | 76 | Average | VERTICAL |
| 4 | 5726.30 | 66.77 | 74.00 | -7.23 | 58.06 | 7.41 | 34.43 | 33.13 | 250 | 76 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5610 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) | | |

**Channel 144**

| | 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 | 5719.13 | 113.47 | | | 104.76 | 7.41 | 34.43 | 33.13 | 223 | 70 | Peak | HORIZONTAL |
| 2 | 5719.57 | 103.55 | | | 94.84 | 7.41 | 34.43 | 33.13 | 223 | 70 | Average | HORIZONTAL |
| 3 | 5850.00 | 61.44 | 68.20 | -6.76 | 52.56 | 7.54 | 34.51 | 33.17 | 223 | 70 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) | | |

**Channel 144**

| | 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 | 5714.79 | 104.49 | | | 95.79 | 7.41 | 34.42 | 33.13 | 204 | 69 | Average | HORIZONTAL |
| 2 | 5715.22 | 114.04 | | | 105.34 | 7.41 | 34.42 | 33.13 | 204 | 69 | Peak | HORIZONTAL |
| 3 | 5851.30 | 60.64 | 68.20 | -7.56 | 51.76 | 7.54 | 34.51 | 33.17 | 204 | 69 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 142 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) | | |

**Channel 142**

| | 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 | 5696.11 | 100.85 | | | 92.12 | 7.44 | 34.41 | 33.12 | 261 | 74 | Average | VERTICAL |
| 2 | 5706.09 | 110.49 | | | 101.76 | 7.44 | 34.42 | 33.13 | 261 | 74 | Peak | VERTICAL |
| 3 | 5856.51 | 62.40 | 68.20 | -5.80 | 53.51 | 7.54 | 34.52 | 33.17 | 261 | 74 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) | | |

**Channel 138**

| | 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 | 5699.84 | 98.07 | | | 89.34 | 7.44 | 34.41 | 33.12 | 205 | 72 | Average | HORIZONTAL |
| 2 | 5705.05 | 108.96 | | | 100.23 | 7.44 | 34.42 | 33.13 | 205 | 72 | Peak | HORIZONTAL |
| 3 | 5850.58 | 63.99 | 68.20 | -4.21 | 55.11 | 7.54 | 34.51 | 33.17 | 205 | 72 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) | | |

**Channel 52**

| | 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 | 5264.34 | 117.36 | | | 109.15 | 7.34 | 33.93 | 33.06 | 235 | 75 | Peak | HORIZONTAL |
| 2 | 5264.63 | 107.12 | | | 98.91 | 7.34 | 33.93 | 33.06 | 235 | 75 | Average | HORIZONTAL |
| 3 | 5350.00 | 48.46 | 54.00 | -5.54 | 40.16 | 7.30 | 34.06 | 33.06 | 235 | 75 | Average | HORIZONTAL |
| 4 | 5351.16 | 58.86 | 74.00 | -15.14 | 50.56 | 7.30 | 34.06 | 33.06 | 235 | 75 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5304.78 | 106.56 | | | 98.32 | 7.32 | 33.98 | 33.06 | 231 | 77 | Average | HORIZONTAL |
| 2 | 5305.21 | 117.16 | | | 108.92 | 7.32 | 33.98 | 33.06 | 231 | 77 | Peak | HORIZONTAL |
| 3 | 5350.00 | 48.93 | 54.00 | -5.07 | 40.63 | 7.30 | 34.06 | 33.06 | 231 | 77 | Average | HORIZONTAL |
| 4 | 5351.09 | 61.31 | 74.00 | -12.69 | 53.01 | 7.30 | 34.06 | 33.06 | 231 | 77 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5325.64 | 105.85 | | | 97.58 | 7.32 | 34.01 | 33.06 | 224 | 80 | Average | HORIZONTAL |
| 2 | 5325.93 | 116.72 | | | 108.45 | 7.32 | 34.01 | 33.06 | 224 | 80 | Peak | HORIZONTAL |
| 3 | 5350.00 | 51.44 | 54.00 | -2.56 | 43.14 | 7.30 | 34.06 | 33.06 | 224 | 80 | Average | HORIZONTAL |
| 4 | 5353.47 | 69.67 | 74.00 | -4.33 | 61.37 | 7.30 | 34.06 | 33.06 | 224 | 80 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) | | |

**Channel 100**

| | 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 | 5458.55 | 50.41 | 54.00 | -3.59 | 41.87 | 7.38 | 34.22 | 33.06 | 218 | 71 | Average | HORIZONTAL |
| 2 | 5459.57 | 62.89 | 74.00 | -11.11 | 54.35 | 7.38 | 34.22 | 33.06 | 218 | 71 | Peak | HORIZONTAL |
| 3 | 5466.82 | 50.81 | 54.00 | -3.19 | 42.24 | 7.38 | 34.25 | 33.06 | 218 | 71 | Average | HORIZONTAL |
| 4 | 5468.26 | 66.62 | 74.00 | -7.38 | 58.05 | 7.38 | 34.25 | 33.06 | 218 | 71 | Peak | HORIZONTAL |
| 5 | 5497.40 | 104.55 | | | 95.87 | 7.44 | 34.30 | 33.06 | 218 | 71 | Average | HORIZONTAL |
| 6 | 5497.68 | 116.19 | | | 107.51 | 7.44 | 34.30 | 33.06 | 218 | 71 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5460.00 | 48.59 | 54.00 | -5.41 | 40.05 | 7.38 | 34.22 | 33.06 | 250 | 110 | Average | VERTICAL |
| 2 | 5460.00 | 59.93 | 74.00 | -14.07 | 51.39 | 7.38 | 34.22 | 33.06 | 250 | 110 | Peak | VERTICAL |
| 3 | 5470.00 | 48.84 | 54.00 | -5.16 | 40.24 | 7.41 | 34.25 | 33.06 | 250 | 110 | Average | VERTICAL |
| 4 | 5470.00 | 60.36 | 74.00 | -13.64 | 51.76 | 7.41 | 34.25 | 33.06 | 250 | 110 | Peak | VERTICAL |
| 5 | 5572.62 | 103.77 | | | 94.94 | 7.57 | 34.34 | 33.08 | 250 | 110 | Average | VERTICAL |
| 6 | 5583.47 | 112.85 | | | 103.98 | 7.61 | 34.35 | 33.09 | 250 | 110 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5697.54 | 116.29 | | | 107.56 | 7.44 | 34.41 | 33.12 | 203 | 72 | Peak | HORIZONTAL |
| 2 | 5697.68 | 104.99 | | | 96.26 | 7.44 | 34.41 | 33.12 | 203 | 72 | Average | HORIZONTAL |
| 3 | 5725.00 | 52.26 | 54.00 | -1.74 | 43.55 | 7.41 | 34.43 | 33.13 | 203 | 72 | Average | HORIZONTAL |
| 4 | 5725.00 | 69.49 | 74.00 | -4.51 | 60.78 | 7.41 | 34.43 | 33.13 | 203 | 72 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 09, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) | | |

**Channel 52**

| | 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 | 5144.36 | 60.96 | 74.00 | -13.04 | 53.06 | 7.21 | 33.74 | 33.05 | 237 | 347 | Peak | HORIZONTAL |
| 2 | 5150.00 | 48.64 | 54.00 | -5.36 | 40.74 | 7.21 | 33.74 | 33.05 | 237 | 347 | Average | HORIZONTAL |
| 3 | 5263.04 | 106.00 | | | 97.79 | 7.34 | 33.93 | 33.06 | 237 | 347 | Average | HORIZONTAL |
| 4 | 5265.21 | 117.25 | | | 109.04 | 7.34 | 33.93 | 33.06 | 237 | 347 | Peak | HORIZONTAL |
| 5 | 5350.00 | 49.19 | 54.00 | -4.81 | 40.89 | 7.30 | 34.06 | 33.06 | 237 | 347 | Average | HORIZONTAL |
| 6 | 5363.89 | 61.36 | 74.00 | -12.64 | 53.03 | 7.30 | 34.09 | 33.06 | 237 | 347 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5299.13 | 104.51 | | | 96.27 | 7.32 | 33.98 | 33.06 | 234 | 0 | Average | VERTICAL |
| 2 | 5304.34 | 114.57 | | | 106.33 | 7.32 | 33.98 | 33.06 | 234 | 0 | Peak | VERTICAL |
| 3 | 5350.00 | 49.37 | 54.00 | -4.63 | 41.07 | 7.30 | 34.06 | 33.06 | 234 | 0 | Average | VERTICAL |
| 4 | 5354.34 | 61.81 | 74.00 | -12.19 | 53.51 | 7.30 | 34.06 | 33.06 | 234 | 0 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5314.21 | 103.96 | | | 95.69 | 7.32 | 34.01 | 33.06 | 236 | 0 | Average | VERTICAL |
| 2 | 5314.50 | 115.68 | | | 107.41 | 7.32 | 34.01 | 33.06 | 236 | 0 | Peak | VERTICAL |
| 3 | 5350.00 | 52.78 | 54.00 | -1.22 | 44.48 | 7.30 | 34.06 | 33.06 | 236 | 0 | Average | VERTICAL |
| 4 | 5354.34 | 69.72 | 74.00 | -4.28 | 61.42 | 7.30 | 34.06 | 33.06 | 236 | 0 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 09, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) | | |

**Channel 100**

| | 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 | 5459.71 | 50.49 | 54.00 | -3.51 | 41.95 | 7.38 | 34.22 | 33.06 | 226 | 359 | Average | VERTICAL |
| 2 | 5460.00 | 63.95 | 74.00 | -10.05 | 55.41 | 7.38 | 34.22 | 33.06 | 226 | 359 | Peak | VERTICAL |
| 3 | 5465.37 | 67.15 | 68.20 | -1.05 | 58.58 | 7.38 | 34.25 | 33.06 | 226 | 359 | Peak | VERTICAL |
| 4 | 5494.21 | 103.88 | | | 95.23 | 7.44 | 34.27 | 33.06 | 226 | 359 | Average | VERTICAL |
| 5 | 5494.50 | 114.35 | | | 105.70 | 7.44 | 34.27 | 33.06 | 226 | 359 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5419.64 | 62.64 | 74.00 | -11.36 | 54.22 | 7.31 | 34.17 | 33.06 | 183 | 342 | Peak | HORIZONTAL |
| 2 | 5424.40 | 51.54 | 54.00 | -2.46 | 43.12 | 7.31 | 34.17 | 33.06 | 183 | 342 | Average | HORIZONTAL |
| 3 | 5464.79 | 61.36 | 68.20 | -6.84 | 52.79 | 7.38 | 34.25 | 33.06 | 183 | 342 | Peak | HORIZONTAL |
| 4 | 5584.34 | 106.28 | | | 97.41 | 7.61 | 34.35 | 33.09 | 183 | 342 | Average | HORIZONTAL |
| 5 | 5584.34 | 115.71 | | | 106.84 | 7.61 | 34.35 | 33.09 | 183 | 342 | Peak | HORIZONTAL |
| 6 | 5772.76 | 63.23 | 68.20 | -4.97 | 54.62 | 7.29 | 34.47 | 33.15 | 183 | 342 | Peak | HORIZONTAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5704.34 | 100.56 | | | 91.82 | 7.44 | 34.42 | 33.12 | 258 | 0 | Average | VERTICAL |
| 2 | 5704.63 | 111.57 | | | 102.83 | 7.44 | 34.42 | 33.12 | 258 | 0 | Peak | VERTICAL |
| 3 | 5725.00 | 66.77 | 68.20 | -1.43 | 58.06 | 7.41 | 34.43 | 33.13 | 258 | 0 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) | | |

**Channel 54**

| | 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 | 5264.50 | 100.61 | | | 92.40 | 7.34 | 33.93 | 33.06 | 250 | 97 | Average | VERTICAL |
| 2 | 5284.47 | 111.62 | | | 103.40 | 7.33 | 33.95 | 33.06 | 250 | 97 | Peak | VERTICAL |
| 3 | 5351.74 | 61.29 | 74.00 | -12.71 | 52.99 | 7.30 | 34.06 | 33.06 | 250 | 97 | Peak | VERTICAL |
| 4 | 5354.05 | 49.08 | 54.00 | -4.92 | 40.78 | 7.30 | 34.06 | 33.06 | 250 | 97 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5299.29 | 95.09 | | | 86.85 | 7.32 | 33.98 | 33.06 | 250 | 100 | Average | VERTICAL |
| 2 | 5319.41 | 107.92 | | | 99.65 | 7.32 | 34.01 | 33.06 | 250 | 100 | Peak | VERTICAL |
| 3 | 5350.00 | 52.97 | 54.00 | -1.03 | 44.67 | 7.30 | 34.06 | 33.06 | 250 | 100 | Average | VERTICAL |
| 4 | 5350.00 | 67.04 | 74.00 | -6.96 | 58.74 | 7.30 | 34.06 | 33.06 | 250 | 100 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) | | |

**Channel 102**

| | 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 | 5459.35 | 50.39 | 54.00 | -3.61 | 41.85 | 7.38 | 34.22 | 33.06 | 175 | 74 | Average | HORIZONTAL |
| 2 | 5459.35 | 64.58 | 74.00 | -9.42 | 56.04 | 7.38 | 34.22 | 33.06 | 175 | 74 | Peak | HORIZONTAL |
| 3 | 5469.13 | 72.97 | 74.00 | -1.03 | 64.40 | 7.38 | 34.25 | 33.06 | 175 | 74 | Peak | HORIZONTAL |
| 4 | 5469.57 | 52.26 | 54.00 | -1.74 | 43.66 | 7.41 | 34.25 | 33.06 | 175 | 74 | Average | HORIZONTAL |
| 5 | 5524.54 | 100.39 | | | 91.64 | 7.51 | 34.31 | 33.07 | 175 | 74 | Average | HORIZONTAL |
| 6 | 5524.54 | 112.06 | | | 103.31 | 7.51 | 34.31 | 33.07 | 175 | 74 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5457.83 | 62.92 | 74.00 | -11.08 | 54.38 | 7.38 | 34.22 | 33.06 | 181 | 69 | Peak | HORIZONTAL |
| 2 | 5459.28 | 50.10 | 54.00 | -3.90 | 41.56 | 7.38 | 34.22 | 33.06 | 181 | 69 | Average | HORIZONTAL |
| 3 | 5469.28 | 50.64 | 54.00 | -3.36 | 42.07 | 7.38 | 34.25 | 33.06 | 181 | 69 | Average | HORIZONTAL |
| 4 | 5470.00 | 63.69 | 74.00 | -10.31 | 55.09 | 7.41 | 34.25 | 33.06 | 181 | 69 | Peak | HORIZONTAL |
| 5 | 5544.21 | 103.26 | | | 94.48 | 7.54 | 34.32 | 33.08 | 181 | 69 | Average | HORIZONTAL |
| 6 | 5544.57 | 114.61 | | | 105.83 | 7.54 | 34.32 | 33.08 | 181 | 69 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5684.47 | 110.89 | | | 102.12 | 7.48 | 34.41 | 33.12 | 181 | 74 | Peak | HORIZONTAL |
| 2 | 5684.76 | 98.84 | | | 90.07 | 7.48 | 34.41 | 33.12 | 181 | 74 | Average | HORIZONTAL |
| 3 | 5725.00 | 52.91 | 54.00 | -1.09 | 44.20 | 7.41 | 34.43 | 33.13 | 181 | 74 | Average | HORIZONTAL |
| 4 | 5725.29 | 68.08 | 74.00 | -5.92 | 59.37 | 7.41 | 34.43 | 33.13 | 181 | 74 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) | | |

**Channel 58**

| | 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 | 5259.61 | 104.46 | | | 96.25 | 7.34 | 33.93 | 33.06 | 177 | 73 | Peak | HORIZONTAL |
| 2 | 5264.53 | 91.43 | | | 83.22 | 7.34 | 33.93 | 33.06 | 177 | 73 | Average | HORIZONTAL |
| 3 | 5350.00 | 52.52 | 54.00 | -1.48 | 44.22 | 7.30 | 34.06 | 33.06 | 177 | 73 | Average | HORIZONTAL |
| 4 | 5354.92 | 66.10 | 74.00 | -7.90 | 57.80 | 7.30 | 34.06 | 33.06 | 177 | 73 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5445.67 | 66.04 | 74.00 | -7.96 | 57.53 | 7.35 | 34.22 | 33.06 | 177 | 70 | Peak | HORIZONTAL |
| 2 | 5459.13 | 52.91 | 54.00 | -1.09 | 44.37 | 7.38 | 34.22 | 33.06 | 177 | 70 | Average | HORIZONTAL |
| 3 | 5467.40 | 66.41 | 74.00 | -7.59 | 57.84 | 7.38 | 34.25 | 33.06 | 177 | 70 | Peak | HORIZONTAL |
| 4 | 5469.13 | 52.52 | 54.00 | -1.48 | 43.95 | 7.38 | 34.25 | 33.06 | 177 | 70 | Average | HORIZONTAL |
| 5 | 5520.01 | 106.64 | | | 97.92 | 7.48 | 34.31 | 33.07 | 177 | 70 | Peak | HORIZONTAL |
| 6 | 5539.55 | 93.99 | | | 85.24 | 7.51 | 34.32 | 33.08 | 177 | 70 | Average | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5584.82 | 96.54 | | | 87.67 | 7.61 | 34.35 | 33.09 | 189 | 73 | Average | HORIZONTAL |
| 2 | 5619.99 | 109.05 | | | 100.18 | 7.60 | 34.37 | 33.10 | 189 | 73 | Peak | HORIZONTAL |
| 3 | 5725.00 | 52.98 | 54.00 | -1.02 | 44.27 | 7.41 | 34.43 | 33.13 | 189 | 73 | Average | HORIZONTAL |
| 4 | 5725.43 | 67.89 | 74.00 | -6.11 | 59.18 | 7.41 | 34.43 | 33.13 | 189 | 73 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5610 MHz.

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) | | |

**Channel 144**

| | 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 | 5716.96 | 105.07 | | | 96.37 | 7.41 | 34.42 | 33.13 | 223 | 70 | Average | HORIZONTAL |
| 2 | 5716.96 | 115.66 | | | 106.96 | 7.41 | 34.42 | 33.13 | 223 | 70 | Peak | HORIZONTAL |
| 3 | 5850.00 | 60.78 | 68.20 | -7.42 | 51.90 | 7.54 | 34.51 | 33.17 | 223 | 70 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) | | |

**Channel 144**

| | 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 | 5714.79 | 105.40 | | | 96.70 | 7.41 | 34.42 | 33.13 | 175 | 76 | Average | HORIZONTAL |
| 2 | 5714.79 | 115.18 | | | 106.48 | 7.41 | 34.42 | 33.13 | 175 | 76 | Peak | HORIZONTAL |
| 3 | 5850.00 | 59.65 | 68.20 | -8.55 | 50.77 | 7.54 | 34.51 | 33.17 | 175 | 76 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) | | |

**Channel 142**

| | 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 | 5694.80 | 102.55 | | | 93.82 | 7.44 | 34.41 | 33.12 | 175 | 77 | Average | HORIZONTAL |
| 2 | 5699.58 | 112.53 | | | 103.80 | 7.44 | 34.41 | 33.12 | 175 | 77 | Peak | HORIZONTAL |
| 3 | 5855.21 | 62.57 | 68.20 | -5.63 | 53.68 | 7.54 | 34.52 | 33.17 | 175 | 77 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 08, 2015 | | |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) | | |

**Channel 138**

| | 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 | 5714.82 | 109.32 | | | 100.62 | 7.41 | 34.42 | 33.13 | 176 | 72 | Peak | HORIZONTAL |
| 2 | 5719.88 | 98.87 | | | 90.16 | 7.41 | 34.43 | 33.13 | 176 | 72 | Average | HORIZONTAL |
| 3 | 5850.00 | 66.41 | 68.20 | -1.79 | 57.53 | 7.54 | 34.51 | 33.17 | 176 | 72 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 |
| Test Date | Nov. 06, 2015 ~ Nov. 07, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) | | |

**Channel 52**

| | 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 | 5142.62 | 60.38 | 74.00 | -13.62 | 52.48 | 7.21 | 33.74 | 33.05 | 246 | 99 | Peak | VERTICAL |
| 2 | 5150.00 | 47.76 | 54.00 | -6.24 | 39.86 | 7.21 | 33.74 | 33.05 | 246 | 99 | Average | VERTICAL |
| 3 | 5253.05 | 100.49 | | | 92.30 | 7.35 | 33.90 | 33.06 | 246 | 99 | Average | VERTICAL |
| 4 | 5255.66 | 110.09 | | | 101.90 | 7.35 | 33.90 | 33.06 | 246 | 99 | Peak | VERTICAL |
| 5 | 5350.00 | 48.12 | 54.00 | -5.88 | 39.82 | 7.30 | 34.06 | 33.06 | 246 | 99 | Average | VERTICAL |
| 6 | 5352.17 | 59.79 | 74.00 | -14.21 | 51.49 | 7.30 | 34.06 | 33.06 | 246 | 99 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5292.76 | 99.53 | | | 91.28 | 7.33 | 33.98 | 33.06 | 250 | 98 | Average | VERTICAL |
| 2 | 5297.97 | 111.53 | | | 103.29 | 7.32 | 33.98 | 33.06 | 250 | 98 | Peak | VERTICAL |
| 3 | 5350.00 | 48.17 | 54.00 | -5.83 | 39.87 | 7.30 | 34.06 | 33.06 | 250 | 98 | Average | VERTICAL |
| 4 | 5350.58 | 61.60 | 74.00 | -12.40 | 53.30 | 7.30 | 34.06 | 33.06 | 250 | 98 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5312.76 | 98.83 | | | 90.56 | 7.32 | 34.01 | 33.06 | 250 | 100 | Average | VERTICAL |
| 2 | 5317.68 | 110.32 | | | 102.05 | 7.32 | 34.01 | 33.06 | 250 | 100 | Peak | VERTICAL |
| 3 | 5350.00 | 50.39 | 54.00 | -3.61 | 42.09 | 7.30 | 34.06 | 33.06 | 250 | 100 | Average | VERTICAL |
| 4 | 5352.75 | 67.46 | 74.00 | -6.54 | 59.16 | 7.30 | 34.06 | 33.06 | 250 | 100 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) | | |

**Channel 100**

| | 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 | 5457.83 | 62.01 | 74.00 | -11.99 | 53.47 | 7.38 | 34.22 | 33.06 | 251 | 110 | Peak | VERTICAL |
| 2 | 5460.00 | 48.62 | 54.00 | -5.38 | 40.08 | 7.38 | 34.22 | 33.06 | 251 | 110 | Average | VERTICAL |
| 3 | 5470.00 | 66.77 | 68.20 | -1.43 | 58.17 | 7.41 | 34.25 | 33.06 | 251 | 110 | Peak | VERTICAL |
| 4 | 5502.03 | 112.25 | | | 103.58 | 7.44 | 34.30 | 33.07 | 251 | 110 | Peak | VERTICAL |
| 5 | 5506.37 | 100.74 | | | 92.03 | 7.48 | 34.30 | 33.07 | 251 | 110 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5422.37 | 61.98 | 74.00 | -12.02 | 53.56 | 7.31 | 34.17 | 33.06 | 250 | 104 | Peak | VERTICAL |
| 2 | 5427.00 | 49.07 | 54.00 | -4.93 | 40.65 | 7.31 | 34.17 | 33.06 | 250 | 104 | Average | VERTICAL |
| 3 | 5468.26 | 60.09 | 68.20 | -8.11 | 51.52 | 7.38 | 34.25 | 33.06 | 250 | 104 | Peak | VERTICAL |
| 4 | 5582.32 | 111.02 | | | 102.15 | 7.61 | 34.35 | 33.09 | 250 | 104 | Peak | VERTICAL |
| 5 | 5586.37 | 100.61 | | | 91.74 | 7.61 | 34.35 | 33.09 | 250 | 104 | Average | VERTICAL |
| 6 | 5735.42 | 61.56 | 68.20 | -6.64 | 52.89 | 7.37 | 34.44 | 33.14 | 250 | 104 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5692.76 | 95.61 | | | 86.88 | 7.44 | 34.41 | 33.12 | 254 | 104 | Average | VERTICAL |
| 2 | 5697.68 | 107.49 | | | 98.76 | 7.44 | 34.41 | 33.12 | 254 | 104 | Peak | VERTICAL |
| 3 | 5725.00 | 52.85 | 54.00 | -1.15 | 44.14 | 7.41 | 34.43 | 33.13 | 254 | 104 | Average | VERTICAL |
| 4 | 5726.01 | 67.42 | 74.00 | -6.58 | 58.71 | 7.41 | 34.43 | 33.13 | 254 | 104 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) | | |

**Channel 52**

| | 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 | 5147.83 | 60.10 | 74.00 | -13.90 | 52.20 | 7.21 | 33.74 | 33.05 | 250 | 97 | Peak | VERTICAL |
| 2 | 5150.00 | 47.35 | 54.00 | -6.65 | 39.45 | 7.21 | 33.74 | 33.05 | 250 | 97 | Average | VERTICAL |
| 3 | 5260.87 | 99.11 | | | 90.90 | 7.34 | 33.93 | 33.06 | 250 | 97 | Average | VERTICAL |
| 4 | 5263.91 | 108.89 | | | 100.68 | 7.34 | 33.93 | 33.06 | 250 | 97 | Peak | VERTICAL |
| 5 | 5350.00 | 48.25 | 54.00 | -5.75 | 39.95 | 7.30 | 34.06 | 33.06 | 250 | 97 | Average | VERTICAL |
| 6 | 5364.76 | 60.04 | 74.00 | -13.96 | 51.71 | 7.30 | 34.09 | 33.06 | 250 | 97 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5303.76 | 110.75 | | | 102.51 | 7.32 | 33.98 | 33.06 | 255 | 100 | Peak | VERTICAL |
| 2 | 5307.24 | 99.40 | | | 91.16 | 7.32 | 33.98 | 33.06 | 255 | 100 | Average | VERTICAL |
| 3 | 5350.00 | 48.10 | 54.00 | -5.90 | 39.80 | 7.30 | 34.06 | 33.06 | 255 | 100 | Average | VERTICAL |
| 4 | 5358.68 | 61.34 | 74.00 | -12.66 | 53.04 | 7.30 | 34.06 | 33.06 | 255 | 100 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5312.33 | 110.41 | | | 102.14 | 7.32 | 34.01 | 33.06 | 252 | 98 | Peak | VERTICAL |
| 2 | 5313.20 | 99.27 | | | 91.00 | 7.32 | 34.01 | 33.06 | 252 | 98 | Average | VERTICAL |
| 3 | 5350.00 | 51.56 | 54.00 | -2.44 | 43.26 | 7.30 | 34.06 | 33.06 | 252 | 98 | Average | VERTICAL |
| 4 | 5350.87 | 68.15 | 74.00 | -5.85 | 59.85 | 7.30 | 34.06 | 33.06 | 252 | 98 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) | | |

**Channel 100**

| | 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 | 5457.68 | 62.61 | 74.00 | -11.39 | 54.07 | 7.38 | 34.22 | 33.06 | 250 | 109 | Peak | VERTICAL |
| 2 | 5460.00 | 48.80 | 54.00 | -5.20 | 40.26 | 7.38 | 34.22 | 33.06 | 250 | 109 | Average | VERTICAL |
| 3 | 5462.76 | 67.01 | 68.20 | -1.19 | 58.44 | 7.38 | 34.25 | 33.06 | 250 | 109 | Peak | VERTICAL |
| 4 | 5506.37 | 112.13 | | | 103.42 | 7.48 | 34.30 | 33.07 | 250 | 109 | Peak | VERTICAL |
| 5 | 5507.96 | 100.78 | | | 92.07 | 7.48 | 34.30 | 33.07 | 250 | 109 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5426.43 | 49.21 | 54.00 | -4.79 | 40.79 | 7.31 | 34.17 | 33.06 | 246 | 105 | Average | VERTICAL |
| 2 | 5454.79 | 61.05 | 74.00 | -12.95 | 52.51 | 7.38 | 34.22 | 33.06 | 246 | 105 | Peak | VERTICAL |
| 3 | 5470.00 | 59.91 | 68.20 | -8.29 | 51.31 | 7.41 | 34.25 | 33.06 | 246 | 105 | Peak | VERTICAL |
| 4 | 5573.05 | 100.52 | | | 91.69 | 7.57 | 34.34 | 33.08 | 246 | 105 | Average | VERTICAL |
| 5 | 5585.79 | 110.34 | | | 101.47 | 7.61 | 34.35 | 33.09 | 246 | 105 | Peak | VERTICAL |
| 6 | 5727.32 | 61.06 | 68.20 | -7.14 | 52.39 | 7.37 | 34.43 | 33.13 | 246 | 105 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5692.19 | 95.21 | | | 86.48 | 7.44 | 34.41 | 33.12 | 254 | 109 | Average | VERTICAL |
| 2 | 5693.49 | 106.34 | | | 97.61 | 7.44 | 34.41 | 33.12 | 254 | 109 | Peak | VERTICAL |
| 3 | 5725.00 | 52.61 | 54.00 | -1.39 | 43.90 | 7.41 | 34.43 | 33.13 | 254 | 109 | Average | VERTICAL |
| 4 | 5728.33 | 67.63 | 74.00 | -6.37 | 58.96 | 7.37 | 34.43 | 33.13 | 254 | 109 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 54, 62 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) | | |

**Channel 54**

| | 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 | 5253.79 | 108.16 | | | 99.97 | 7.35 | 33.90 | 33.06 | 267 | 98 | Peak | VERTICAL |
| 2 | 5256.11 | 98.07 | | | 89.88 | 7.35 | 33.90 | 33.06 | 267 | 98 | Average | VERTICAL |
| 3 | 5350.00 | 48.99 | 54.00 | -5.01 | 40.69 | 7.30 | 34.06 | 33.06 | 267 | 98 | Average | VERTICAL |
| 4 | 5352.32 | 61.31 | 74.00 | -12.69 | 53.01 | 7.30 | 34.06 | 33.06 | 267 | 98 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5320.71 | 105.83 | | | 97.56 | 7.32 | 34.01 | 33.06 | 258 | 100 | Peak | VERTICAL |
| 2 | 5322.74 | 94.96 | | | 86.69 | 7.32 | 34.01 | 33.06 | 258 | 100 | Average | VERTICAL |
| 3 | 5350.00 | 52.93 | 54.00 | -1.07 | 44.63 | 7.30 | 34.06 | 33.06 | 258 | 100 | Average | VERTICAL |
| 4 | 5353.47 | 65.59 | 74.00 | -8.41 | 57.29 | 7.30 | 34.06 | 33.06 | 258 | 100 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) | | |

**Channel 102**

| | 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 | 5459.13 | 62.39 | 74.00 | -11.61 | 53.85 | 7.38 | 34.22 | 33.06 | 250 | 109 | Peak | VERTICAL |
| 2 | 5460.00 | 50.15 | 54.00 | -3.85 | 41.61 | 7.38 | 34.22 | 33.06 | 250 | 109 | Average | VERTICAL |
| 3 | 5465.66 | 71.66 | 74.00 | -2.34 | 63.09 | 7.38 | 34.25 | 33.06 | 250 | 109 | Peak | VERTICAL |
| 4 | 5470.00 | 52.69 | 54.00 | -1.31 | 44.09 | 7.41 | 34.25 | 33.06 | 250 | 109 | Average | VERTICAL |
| 5 | 5504.21 | 107.60 | | | 98.93 | 7.44 | 34.30 | 33.07 | 250 | 109 | Peak | VERTICAL |
| 6 | 5507.60 | 97.47 | | | 88.76 | 7.48 | 34.30 | 33.07 | 250 | 109 | Average | VERTICAL |

Item 5, 6 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5458.84 | 61.55 | 74.00 | -12.45 | 53.01 | 7.38 | 34.22 | 33.06 | 240 | 107 | Peak | VERTICAL |
| 2 | 5460.00 | 48.74 | 54.00 | -5.26 | 40.20 | 7.38 | 34.22 | 33.06 | 240 | 107 | Average | VERTICAL |
| 3 | 5469.42 | 60.78 | 68.20 | -7.42 | 52.21 | 7.38 | 34.25 | 33.06 | 240 | 107 | Peak | VERTICAL |
| 4 | 5535.24 | 110.28 | | | 101.53 | 7.51 | 34.32 | 33.08 | 240 | 107 | Peak | VERTICAL |
| 5 | 5535.82 | 100.24 | | | 91.49 | 7.51 | 34.32 | 33.08 | 240 | 107 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5653.79 | 95.70 | | | 86.91 | 7.52 | 34.39 | 33.12 | 263 | 103 | Average | VERTICAL |
| 2 | 5653.79 | 105.88 | | | 97.09 | 7.52 | 34.39 | 33.12 | 263 | 103 | Peak | VERTICAL |
| 3 | 5726.16 | 67.08 | 68.20 | -1.12 | 58.37 | 7.41 | 34.43 | 33.13 | 263 | 103 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) | | |

**Channel 58**

| | 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 | 5145.66 | 59.18 | 74.00 | -14.82 | 51.28 | 7.21 | 33.74 | 33.05 | 272 | 102 | Peak | VERTICAL |
| 2 | 5150.00 | 48.81 | 54.00 | -5.19 | 40.91 | 7.21 | 33.74 | 33.05 | 272 | 102 | Average | VERTICAL |
| 3 | 5261.78 | 91.50 | | | 83.29 | 7.34 | 33.93 | 33.06 | 272 | 102 | Average | VERTICAL |
| 4 | 5268.29 | 100.97 | | | 92.76 | 7.34 | 33.93 | 33.06 | 272 | 102 | Peak | VERTICAL |
| 5 | 5350.00 | 52.84 | 54.00 | -1.16 | 44.54 | 7.30 | 34.06 | 33.06 | 272 | 102 | Average | VERTICAL |
| 6 | 5351.45 | 63.37 | 74.00 | -10.63 | 55.07 | 7.30 | 34.06 | 33.06 | 272 | 102 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5457.83 | 63.93 | 74.00 | -10.07 | 55.39 | 7.38 | 34.22 | 33.06 | 234 | 109 | Peak | VERTICAL |
| 2 | 5459.28 | 52.54 | 54.00 | -1.46 | 44.00 | 7.38 | 34.22 | 33.06 | 234 | 109 | Average | VERTICAL |
| 3 | 5469.28 | 64.65 | 68.20 | -3.55 | 56.08 | 7.38 | 34.25 | 33.06 | 234 | 109 | Peak | VERTICAL |
| 4 | 5510.46 | 104.11 | | | 95.40 | 7.48 | 34.30 | 33.07 | 234 | 109 | Peak | VERTICAL |
| 5 | 5518.42 | 95.05 | | | 86.33 | 7.48 | 34.31 | 33.07 | 234 | 109 | Average | VERTICAL |
| 6 | 5728.50 | 61.51 | 68.20 | -6.69 | 52.84 | 7.37 | 34.43 | 33.13 | 234 | 109 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5456.38 | 60.18 | 74.00 | -13.82 | 51.64 | 7.38 | 34.22 | 33.06 | 275 | 180 | Peak | VERTICAL |
| 2 | 5458.55 | 49.85 | 54.00 | -4.15 | 41.31 | 7.38 | 34.22 | 33.06 | 275 | 180 | Average | VERTICAL |
| 3 | 5464.93 | 62.36 | 68.20 | -5.84 | 53.79 | 7.38 | 34.25 | 33.06 | 275 | 180 | Peak | VERTICAL |
| 4 | 5644.73 | 103.24 | | | 94.41 | 7.56 | 34.38 | 33.11 | 275 | 180 | Peak | VERTICAL |
| 5 | 5646.90 | 93.52 | | | 84.69 | 7.56 | 34.38 | 33.11 | 275 | 180 | Average | VERTICAL |
| 6 | 5729.34 | 64.00 | 68.20 | -4.20 | 55.33 | 7.37 | 34.43 | 33.13 | 275 | 180 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5610 MHz.

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) | | |

**Channel 144**

| | 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 | 5722.32 | 106.48 | | | 97.77 | 7.41 | 34.43 | 33.13 | 252 | 114 | Peak | VERTICAL |
| 2 | 5726.37 | 97.46 | | | 88.79 | 7.37 | 34.43 | 33.13 | 252 | 114 | Average | VERTICAL |
| 3 | 5856.95 | 64.16 | 68.20 | -4.04 | 55.27 | 7.54 | 34.52 | 33.17 | 252 | 114 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) | | |

**Channel 144**

| | 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 | 5723.47 | 105.71 | | | 97.00 | 7.41 | 34.43 | 33.13 | 250 | 104 | Peak | VERTICAL |
| 2 | 5726.37 | 96.44 | | | 87.77 | 7.37 | 34.43 | 33.13 | 250 | 104 | Average | VERTICAL |
| 3 | 5852.89 | 62.65 | 68.20 | -5.55 | 53.77 | 7.54 | 34.51 | 33.17 | 250 | 104 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) | | |

**Channel 142**

| | 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 | 5723.89 | 103.30 | | | 94.59 | 7.41 | 34.43 | 33.13 | 242 | 104 | Peak | VERTICAL |
| 2 | 5726.21 | 93.50 | | | 84.79 | 7.41 | 34.43 | 33.13 | 242 | 104 | Average | VERTICAL |
| 3 | 5853.47 | 62.29 | 68.20 | -5.91 | 53.41 | 7.54 | 34.51 | 33.17 | 242 | 104 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 |
| Test Date | Nov. 07, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) | | |

**Channel 138**

| | 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 | 5653.10 | 92.71 | | | 83.91 | 7.52 | 34.39 | 33.11 | 277 | 103 | Average | VERTICAL |
| 2 | 5676.98 | 102.57 | | | 93.81 | 7.48 | 34.40 | 33.12 | 277 | 103 | Peak | VERTICAL |
| 3 | 5860.13 | 61.98 | 68.20 | -6.22 | 53.00 | 7.64 | 34.52 | 33.18 | 277 | 103 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) | | |

**Channel 52**

| | 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 | 5262.32 | 112.17 | | | 103.96 | 7.34 | 33.93 | 33.06 | 211 | 38 | Peak | VERTICAL |
| 2 | 5266.66 | 101.62 | | | 93.41 | 7.34 | 33.93 | 33.06 | 211 | 38 | Average | VERTICAL |
| 3 | 5350.00 | 48.82 | 54.00 | -5.18 | 40.52 | 7.30 | 34.06 | 33.06 | 211 | 38 | Average | VERTICAL |
| 4 | 5352.89 | 62.04 | 74.00 | -11.96 | 53.74 | 7.30 | 34.06 | 33.06 | 211 | 38 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5294.50 | 100.45 | | | 92.21 | 7.32 | 33.98 | 33.06 | 243 | 94 | Average | VERTICAL |
| 2 | 5295.08 | 109.97 | | | 101.73 | 7.32 | 33.98 | 33.06 | 243 | 94 | Peak | VERTICAL |
| 3 | 5350.00 | 48.32 | 54.00 | -5.68 | 40.02 | 7.30 | 34.06 | 33.06 | 243 | 94 | Average | VERTICAL |
| 4 | 5351.45 | 60.41 | 74.00 | -13.59 | 52.11 | 7.30 | 34.06 | 33.06 | 243 | 94 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5325.79 | 109.37 | | | 101.10 | 7.32 | 34.01 | 33.06 | 241 | 110 | Peak | VERTICAL |
| 2 | 5326.37 | 100.02 | | | 91.75 | 7.32 | 34.01 | 33.06 | 241 | 110 | Average | VERTICAL |
| 3 | 5350.43 | 49.93 | 54.00 | -4.07 | 41.63 | 7.30 | 34.06 | 33.06 | 241 | 110 | Average | VERTICAL |
| 4 | 5351.59 | 62.91 | 74.00 | -11.09 | 54.61 | 7.30 | 34.06 | 33.06 | 241 | 110 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) | | |

**Channel 100**

| | 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 | 5458.84 | 48.34 | 54.00 | -5.66 | 39.80 | 7.38 | 34.22 | 33.06 | 230 | 58 | Average | VERTICAL |
| 2 | 5459.28 | 62.27 | 74.00 | -11.73 | 53.73 | 7.38 | 34.22 | 33.06 | 230 | 58 | Peak | VERTICAL |
| 3 | 5468.55 | 64.65 | 68.20 | -3.55 | 56.08 | 7.38 | 34.25 | 33.06 | 230 | 58 | Peak | VERTICAL |
| 4 | 5502.32 | 113.17 | | | 104.50 | 7.44 | 34.30 | 33.07 | 230 | 58 | Peak | VERTICAL |
| 5 | 5506.66 | 101.68 | | | 92.97 | 7.48 | 34.30 | 33.07 | 230 | 58 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5425.27 | 49.43 | 54.00 | -4.57 | 41.01 | 7.31 | 34.17 | 33.06 | 236 | 149 | Average | VERTICAL |
| 2 | 5426.43 | 60.98 | 74.00 | -13.02 | 52.56 | 7.31 | 34.17 | 33.06 | 236 | 149 | Peak | VERTICAL |
| 3 | 5470.00 | 60.24 | 68.20 | -7.96 | 51.64 | 7.41 | 34.25 | 33.06 | 236 | 149 | Peak | VERTICAL |
| 4 | 5575.95 | 112.26 | | | 103.43 | 7.57 | 34.34 | 33.08 | 236 | 149 | Peak | VERTICAL |
| 5 | 5581.16 | 102.27 | | | 93.41 | 7.61 | 34.34 | 33.09 | 236 | 149 | Average | VERTICAL |
| 6 | 5735.42 | 61.56 | 68.20 | -6.64 | 52.89 | 7.37 | 34.44 | 33.14 | 236 | 149 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5692.76 | 98.88 | | | 90.15 | 7.44 | 34.41 | 33.12 | 226 | 159 | Average | VERTICAL |
| 2 | 5697.54 | 110.14 | | | 101.41 | 7.44 | 34.41 | 33.12 | 226 | 159 | Peak | VERTICAL |
| 3 | 5725.00 | 52.98 | 54.00 | -1.02 | 44.27 | 7.41 | 34.43 | 33.13 | 226 | 159 | Average | VERTICAL |
| 4 | 5727.75 | 68.70 | 74.00 | -5.30 | 60.03 | 7.37 | 34.43 | 33.13 | 226 | 159 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) | | |

**Channel 52**

| | 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 | 5148.70 | 60.63 | 74.00 | -13.37 | 52.73 | 7.21 | 33.74 | 33.05 | 239 | 154 | Peak | VERTICAL |
| 2 | 5150.00 | 47.96 | 54.00 | -6.04 | 40.06 | 7.21 | 33.74 | 33.05 | 239 | 154 | Average | VERTICAL |
| 3 | 5263.47 | 111.69 | | | 103.48 | 7.34 | 33.93 | 33.06 | 239 | 154 | Peak | VERTICAL |
| 4 | 5266.08 | 102.02 | | | 93.81 | 7.34 | 33.93 | 33.06 | 239 | 154 | Average | VERTICAL |
| 5 | 5350.00 | 48.33 | 54.00 | -5.67 | 40.03 | 7.30 | 34.06 | 33.06 | 239 | 154 | Average | VERTICAL |
| 6 | 5352.60 | 59.80 | 74.00 | -14.20 | 51.50 | 7.30 | 34.06 | 33.06 | 239 | 154 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5293.63 | 99.71 | | | 91.47 | 7.32 | 33.98 | 33.06 | 270 | 328 | Average | VERTICAL |
| 2 | 5296.53 | 110.30 | | | 102.06 | 7.32 | 33.98 | 33.06 | 270 | 328 | Peak | VERTICAL |
| 3 | 5350.00 | 48.20 | 54.00 | -5.80 | 39.90 | 7.30 | 34.06 | 33.06 | 270 | 328 | Average | VERTICAL |
| 4 | 5354.63 | 60.81 | 74.00 | -13.19 | 52.51 | 7.30 | 34.06 | 33.06 | 270 | 328 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5321.30 | 111.03 | | | 102.76 | 7.32 | 34.01 | 33.06 | 224 | 162 | Peak | VERTICAL |
| 2 | 5321.45 | 99.67 | | | 91.40 | 7.32 | 34.01 | 33.06 | 224 | 162 | Average | VERTICAL |
| 3 | 5351.01 | 50.47 | 54.00 | -3.53 | 42.17 | 7.30 | 34.06 | 33.06 | 224 | 162 | Average | VERTICAL |
| 4 | 5351.74 | 65.66 | 74.00 | -8.34 | 57.36 | 7.30 | 34.06 | 33.06 | 224 | 162 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) | | |

**Channel 100**

| | 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 | 5458.26 | 61.99 | 74.00 | -12.01 | 53.45 | 7.38 | 34.22 | 33.06 | 227 | 58 | Peak | VERTICAL |
| 2 | 5460.00 | 48.75 | 54.00 | -5.25 | 40.21 | 7.38 | 34.22 | 33.06 | 227 | 58 | Average | VERTICAL |
| 3 | 5469.42 | 64.27 | 68.20 | -3.93 | 55.70 | 7.38 | 34.25 | 33.06 | 227 | 58 | Peak | VERTICAL |
| 4 | 5498.70 | 111.98 | | | 103.30 | 7.44 | 34.30 | 33.06 | 227 | 58 | Peak | VERTICAL |
| 5 | 5505.93 | 100.69 | | | 91.98 | 7.48 | 34.30 | 33.07 | 227 | 58 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5440.90 | 60.64 | 74.00 | -13.36 | 52.16 | 7.35 | 34.19 | 33.06 | 225 | 195 | Peak | HORIZONTAL |
| 2 | 5460.00 | 48.23 | 54.00 | -5.77 | 39.69 | 7.38 | 34.22 | 33.06 | 225 | 195 | Average | HORIZONTAL |
| 3 | 5467.11 | 60.28 | 68.20 | -7.92 | 51.71 | 7.38 | 34.25 | 33.06 | 225 | 195 | Peak | HORIZONTAL |
| 4 | 5573.63 | 102.08 | | | 93.25 | 7.57 | 34.34 | 33.08 | 225 | 195 | Peak | HORIZONTAL |
| 5 | 5578.84 | 91.99 | | | 83.13 | 7.61 | 34.34 | 33.09 | 225 | 195 | Average | HORIZONTAL |
| 6 | 5725.00 | 61.48 | 68.20 | -6.72 | 52.77 | 7.41 | 34.43 | 33.13 | 225 | 195 | Peak | HORIZONTAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5692.04 | 98.10 | | | 89.37 | 7.44 | 34.41 | 33.12 | 225 | 178 | Average | VERTICAL |
| 2 | 5694.65 | 108.94 | | | 100.21 | 7.44 | 34.41 | 33.12 | 225 | 178 | Peak | VERTICAL |
| 3 | 5725.00 | 52.70 | 54.00 | -1.30 | 43.99 | 7.41 | 34.43 | 33.13 | 225 | 178 | Average | VERTICAL |
| 4 | 5727.17 | 67.47 | 74.00 | -6.53 | 58.80 | 7.37 | 34.43 | 33.13 | 225 | 178 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) | | |

**Channel 54**

| | 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 | 5260.74 | 107.95 | | | 99.74 | 7.34 | 33.93 | 33.06 | 247 | 153 | Peak | VERTICAL |
| 2 | 5263.05 | 98.28 | | | 90.07 | 7.34 | 33.93 | 33.06 | 247 | 153 | Average | VERTICAL |
| 3 | 5350.29 | 48.42 | 54.00 | -5.58 | 40.12 | 7.30 | 34.06 | 33.06 | 247 | 153 | Average | VERTICAL |
| 4 | 5352.32 | 60.49 | 74.00 | -13.51 | 52.19 | 7.30 | 34.06 | 33.06 | 247 | 153 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5321.00 | 95.23 | | | 86.96 | 7.32 | 34.01 | 33.06 | 225 | 163 | Average | VERTICAL |
| 2 | 5323.31 | 104.80 | | | 96.53 | 7.32 | 34.01 | 33.06 | 225 | 163 | Peak | VERTICAL |
| 3 | 5351.45 | 52.94 | 54.00 | -1.06 | 44.64 | 7.30 | 34.06 | 33.06 | 225 | 163 | Average | VERTICAL |
| 4 | 5351.45 | 65.83 | 74.00 | -8.17 | 57.53 | 7.30 | 34.06 | 33.06 | 225 | 163 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) | | |

**Channel 102**

| | 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 | 5460.00 | 50.21 | 54.00 | -3.79 | 41.67 | 7.38 | 34.22 | 33.06 | 236 | 156 | Average | VERTICAL |
| 2 | 5460.00 | 67.93 | 74.00 | -6.07 | 59.39 | 7.38 | 34.22 | 33.06 | 236 | 156 | Peak | VERTICAL |
| 3 | 5470.00 | 52.95 | 54.00 | -1.05 | 44.35 | 7.41 | 34.25 | 33.06 | 236 | 156 | Average | VERTICAL |
| 4 | 5470.00 | 71.15 | 74.00 | -2.85 | 62.55 | 7.41 | 34.25 | 33.06 | 236 | 156 | Peak | VERTICAL |
| 5 | 5518.68 | 108.60 | | | 99.88 | 7.48 | 34.31 | 33.07 | 236 | 156 | Peak | VERTICAL |
| 6 | 5523.60 | 98.42 | | | 89.70 | 7.48 | 34.31 | 33.07 | 236 | 156 | Average | VERTICAL |

Item 5, 6 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5457.40 | 61.42 | 74.00 | -12.58 | 52.88 | 7.38 | 34.22 | 33.06 | 226 | 152 | Peak | VERTICAL |
| 2 | 5459.71 | 48.99 | 54.00 | -5.01 | 40.45 | 7.38 | 34.22 | 33.06 | 226 | 152 | Average | VERTICAL |
| 3 | 5470.00 | 49.16 | 54.00 | -4.84 | 40.56 | 7.41 | 34.25 | 33.06 | 226 | 152 | Average | VERTICAL |
| 4 | 5470.00 | 60.92 | 74.00 | -13.08 | 52.32 | 7.41 | 34.25 | 33.06 | 226 | 152 | Peak | VERTICAL |
| 5 | 5555.79 | 100.19 | | | 91.40 | 7.54 | 34.33 | 33.08 | 226 | 152 | Average | VERTICAL |
| 6 | 5555.79 | 110.64 | | | 101.85 | 7.54 | 34.33 | 33.08 | 226 | 152 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5682.45 | 97.03 | | | 88.27 | 7.48 | 34.40 | 33.12 | 221 | 342 | Average | VERTICAL |
| 2 | 5684.18 | 106.94 | | | 98.17 | 7.48 | 34.41 | 33.12 | 221 | 342 | Peak | VERTICAL |
| 3 | 5730.50 | 67.01 | 68.20 | -1.19 | 58.35 | 7.37 | 34.43 | 33.14 | 221 | 342 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 / Chain 1 + Chain 2 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) | | |

**Channel 58**

| | 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 | 5263.23 | 92.27 | | | 84.06 | 7.34 | 33.93 | 33.06 | 258 | 152 | Average | VERTICAL |
| 2 | 5266.85 | 101.66 | | | 93.45 | 7.34 | 33.93 | 33.06 | 258 | 152 | Peak | VERTICAL |
| 3 | 5350.72 | 52.89 | 54.00 | -1.11 | 44.59 | 7.30 | 34.06 | 33.06 | 258 | 152 | Average | VERTICAL |
| 4 | 5353.62 | 63.68 | 74.00 | -10.32 | 55.38 | 7.30 | 34.06 | 33.06 | 258 | 152 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5457.11 | 62.89 | 74.00 | -11.11 | 54.35 | 7.38 | 34.22 | 33.06 | 225 | 148 | Peak | VERTICAL |
| 2 | 5458.55 | 52.70 | 54.00 | -1.30 | 44.16 | 7.38 | 34.22 | 33.06 | 225 | 148 | Average | VERTICAL |
| 3 | 5467.83 | 63.62 | 68.20 | -4.58 | 55.05 | 7.38 | 34.25 | 33.06 | 225 | 148 | Peak | VERTICAL |
| 4 | 5543.02 | 94.80 | | | 86.02 | 7.54 | 34.32 | 33.08 | 225 | 148 | Average | VERTICAL |
| 5 | 5543.02 | 104.80 | | | 96.02 | 7.54 | 34.32 | 33.08 | 225 | 148 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5454.93 | 62.37 | 74.00 | -11.63 | 53.83 | 7.38 | 34.22 | 33.06 | 225 | 147 | Peak | VERTICAL |
| 2 | 5458.55 | 50.53 | 54.00 | -3.47 | 41.99 | 7.38 | 34.22 | 33.06 | 225 | 147 | Average | VERTICAL |
| 3 | 5462.04 | 63.49 | 68.20 | -4.71 | 54.95 | 7.38 | 34.22 | 33.06 | 225 | 147 | Peak | VERTICAL |
| 4 | 5582.50 | 105.88 | | | 97.01 | 7.61 | 34.35 | 33.09 | 225 | 147 | Peak | VERTICAL |
| 5 | 5583.23 | 95.54 | | | 86.67 | 7.61 | 34.35 | 33.09 | 225 | 147 | Average | VERTICAL |
| 6 | 5730.07 | 64.67 | 68.20 | -3.53 | 56.00 | 7.37 | 34.43 | 33.13 | 225 | 147 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5610 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) | | |

**Channel 144**

| | 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 | 5716.53 | 100.25 | | | 91.55 | 7.41 | 34.42 | 33.13 | 225 | 149 | Average | VERTICAL |
| 2 | 5717.11 | 109.79 | | | 101.09 | 7.41 | 34.42 | 33.13 | 225 | 149 | Peak | VERTICAL |
| 3 | 5859.84 | 62.86 | 68.20 | -5.34 | 53.88 | 7.64 | 34.52 | 33.18 | 225 | 149 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 144 / Chain 1 + Chain 2 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) | | |

**Channel 144**

| | 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 | 5713.05 | 98.85 | | | 90.15 | 7.41 | 34.42 | 33.13 | 225 | 150 | Average | VERTICAL |
| 2 | 5715.95 | 109.29 | | | 100.59 | 7.41 | 34.42 | 33.13 | 225 | 150 | Peak | VERTICAL |
| 3 | 5853.47 | 61.50 | 74.00 | -12.50 | 52.62 | 7.54 | 34.51 | 33.17 | 225 | 150 | Peak | VERTICAL |
| 4 | 5874.89 | 49.87 | 54.00 | -4.13 | 40.88 | 7.64 | 34.53 | 33.18 | 225 | 150 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) | | |

**Channel 142**

| | 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 | 5692.05 | 95.56 | | | 86.83 | 7.44 | 34.41 | 33.12 | 227 | 178 | Average | VERTICAL |
| 2 | 5694.95 | 105.18 | | | 96.45 | 7.44 | 34.41 | 33.12 | 227 | 178 | Peak | VERTICAL |
| 3 | 5855.79 | 61.46 | 68.20 | -6.74 | 52.57 | 7.54 | 34.52 | 33.17 | 227 | 178 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) | | |

**Channel 138**

| | 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 | 5680.59 | 94.04 | | | 85.28 | 7.48 | 34.40 | 33.12 | 225 | 152 | Average | VERTICAL |
| 2 | 5685.66 | 103.62 | | | 94.85 | 7.48 | 34.41 | 33.12 | 225 | 152 | Peak | VERTICAL |
| 3 | 5851.45 | 63.32 | 68.20 | -4.88 | 54.44 | 7.54 | 34.51 | 33.17 | 225 | 152 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) | | |

**Channel 52**

| | 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 | 5144.36 | 60.15 | 74.00 | -13.85 | 53.25 | 6.21 | 33.74 | 33.05 | 238 | 354 | Peak | VERTICAL |
| 2 | 5150.00 | 46.98 | 54.00 | -7.02 | 40.08 | 6.21 | 33.74 | 33.05 | 238 | 354 | Average | VERTICAL |
| 3 | 5262.60 | 102.71 | | | 95.50 | 6.34 | 33.93 | 33.06 | 238 | 354 | Average | VERTICAL |
| 4 | 5263.04 | 111.85 | | | 104.64 | 6.34 | 33.93 | 33.06 | 238 | 354 | Peak | VERTICAL |
| 5 | 5350.00 | 47.24 | 54.00 | -6.76 | 39.77 | 6.47 | 34.06 | 33.06 | 238 | 354 | Average | VERTICAL |
| 6 | 5363.02 | 59.46 | 74.00 | -14.54 | 51.96 | 6.47 | 34.09 | 33.06 | 238 | 354 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5292.76 | 101.34 | | | 94.05 | 6.37 | 33.98 | 33.06 | 223 | 353 | Average | VERTICAL |
| 2 | 5292.76 | 111.30 | | | 104.01 | 6.37 | 33.98 | 33.06 | 223 | 353 | Peak | VERTICAL |
| 3 | 5350.00 | 47.03 | 54.00 | -6.97 | 39.56 | 6.47 | 34.06 | 33.06 | 223 | 353 | Average | VERTICAL |
| 4 | 5354.63 | 60.32 | 74.00 | -13.68 | 52.85 | 6.47 | 34.06 | 33.06 | 223 | 353 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5313.34 | 92.12 | | | 84.77 | 6.40 | 34.01 | 33.06 | 225 | 84 | Average | HORIZONTAL |
| 2 | 5314.36 | 101.49 | | | 94.14 | 6.40 | 34.01 | 33.06 | 225 | 84 | Peak | HORIZONTAL |
| 3 | 5350.00 | 47.20 | 54.00 | -6.80 | 39.73 | 6.47 | 34.06 | 33.06 | 225 | 84 | Average | HORIZONTAL |
| 4 | 5352.75 | 59.71 | 74.00 | -14.29 | 52.24 | 6.47 | 34.06 | 33.06 | 225 | 84 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) | | |

**Channel 100**

| | 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 | 5458.84 | 60.26 | 74.00 | -13.74 | 52.50 | 6.60 | 34.22 | 33.06 | 210 | 350 | Peak | VERTICAL |
| 2 | 5460.00 | 47.11 | 54.00 | -6.89 | 39.35 | 6.60 | 34.22 | 33.06 | 210 | 350 | Average | VERTICAL |
| 3 | 5470.00 | 61.01 | 68.20 | -7.19 | 53.22 | 6.60 | 34.25 | 33.06 | 210 | 350 | Peak | VERTICAL |
| 4 | 5493.63 | 102.18 | | | 94.34 | 6.63 | 34.27 | 33.06 | 210 | 350 | Average | VERTICAL |
| 5 | 5503.62 | 112.92 | | | 105.04 | 6.65 | 34.30 | 33.07 | 210 | 350 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5426.43 | 49.24 | 54.00 | -4.76 | 41.57 | 6.56 | 34.17 | 33.06 | 225 | 182 | Average | VERTICAL |
| 2 | 5427.58 | 60.71 | 74.00 | -13.29 | 53.04 | 6.56 | 34.17 | 33.06 | 225 | 182 | Peak | VERTICAL |
| 3 | 5470.00 | 58.58 | 68.20 | -9.62 | 50.79 | 6.60 | 34.25 | 33.06 | 225 | 182 | Peak | VERTICAL |
| 4 | 5586.37 | 103.26 | | | 95.28 | 6.72 | 34.35 | 33.09 | 225 | 182 | Average | VERTICAL |
| 5 | 5586.95 | 112.58 | | | 104.60 | 6.72 | 34.35 | 33.09 | 225 | 182 | Peak | VERTICAL |
| 6 | 5746.42 | 62.07 | 68.20 | -6.13 | 53.91 | 6.86 | 34.44 | 33.14 | 225 | 182 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5706.37 | 110.50 | | | 102.38 | 6.83 | 34.42 | 33.13 | 225 | 179 | Peak | VERTICAL |
| 2 | 5706.66 | 99.91 | | | 91.79 | 6.83 | 34.42 | 33.13 | 225 | 179 | Average | VERTICAL |
| 3 | 5725.00 | 52.78 | 54.00 | -1.22 | 44.65 | 6.83 | 34.43 | 33.13 | 225 | 179 | Average | VERTICAL |
| 4 | 5725.72 | 68.95 | 74.00 | -5.05 | 60.82 | 6.83 | 34.43 | 33.13 | 225 | 179 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) | | |

**Channel 52**

| | 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 | 5150.00 | 46.48 | 54.00 | -7.52 | 39.58 | 6.21 | 33.74 | 33.05 | 211 | 352 | Average | VERTICAL |
| 2 | 5150.00 | 59.21 | 74.00 | -14.79 | 52.31 | 6.21 | 33.74 | 33.05 | 211 | 352 | Peak | VERTICAL |
| 3 | 5262.60 | 112.29 | | | 105.08 | 6.34 | 33.93 | 33.06 | 211 | 352 | Peak | VERTICAL |
| 4 | 5263.04 | 102.03 | | | 94.82 | 6.34 | 33.93 | 33.06 | 211 | 352 | Average | VERTICAL |
| 5 | 5350.00 | 47.24 | 54.00 | -6.76 | 39.77 | 6.47 | 34.06 | 33.06 | 211 | 352 | Average | VERTICAL |
| 6 | 5362.59 | 58.84 | 74.00 | -15.16 | 51.34 | 6.47 | 34.09 | 33.06 | 211 | 352 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5296.24 | 111.55 | | | 104.26 | 6.37 | 33.98 | 33.06 | 202 | 168 | Peak | VERTICAL |
| 2 | 5305.79 | 101.52 | | | 94.20 | 6.40 | 33.98 | 33.06 | 202 | 168 | Average | VERTICAL |
| 3 | 5350.00 | 47.72 | 54.00 | -6.28 | 40.25 | 6.47 | 34.06 | 33.06 | 202 | 168 | Average | VERTICAL |
| 4 | 5353.47 | 60.47 | 74.00 | -13.53 | 53.00 | 6.47 | 34.06 | 33.06 | 202 | 168 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5312.91 | 100.30 | | | 92.95 | 6.40 | 34.01 | 33.06 | 223 | 354 | Average | VERTICAL |
| 2 | 5313.34 | 111.21 | | | 103.86 | 6.40 | 34.01 | 33.06 | 223 | 354 | Peak | VERTICAL |
| 3 | 5352.60 | 49.35 | 54.00 | -4.65 | 41.88 | 6.47 | 34.06 | 33.06 | 223 | 354 | Average | VERTICAL |
| 4 | 5352.89 | 64.81 | 74.00 | -9.19 | 57.34 | 6.47 | 34.06 | 33.06 | 223 | 354 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) | | |

**Channel 100**

| | 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 | 5457.50 | 49.30 | 54.00 | -4.70 | 40.76 | 7.38 | 34.22 | 33.06 | 245 | 330 | Average | VERTICAL |
| 2 | 5459.57 | 61.52 | 74.00 | -12.48 | 52.98 | 7.38 | 34.22 | 33.06 | 245 | 330 | Peak | VERTICAL |
| 3 | 5467.97 | 63.36 | 68.20 | -4.84 | 54.79 | 7.38 | 34.25 | 33.06 | 245 | 330 | Peak | VERTICAL |
| 4 | 5503.62 | 113.12 | | | 104.45 | 7.44 | 34.30 | 33.07 | 245 | 330 | Peak | VERTICAL |
| 5 | 5508.25 | 103.27 | | | 94.56 | 7.48 | 34.30 | 33.07 | 245 | 330 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5422.37 | 61.91 | 74.00 | -12.09 | 53.49 | 7.31 | 34.17 | 33.06 | 273 | 156 | Peak | VERTICAL |
| 2 | 5425.99 | 50.12 | 54.00 | -3.88 | 41.70 | 7.31 | 34.17 | 33.06 | 273 | 156 | Average | VERTICAL |
| 3 | 5464.21 | 61.00 | 68.20 | -7.20 | 52.43 | 7.38 | 34.25 | 33.06 | 273 | 156 | Peak | VERTICAL |
| 4 | 5581.45 | 112.87 | | | 104.01 | 7.61 | 34.34 | 33.09 | 273 | 156 | Peak | VERTICAL |
| 5 | 5585.79 | 103.40 | | | 94.53 | 7.61 | 34.35 | 33.09 | 273 | 156 | Average | VERTICAL |
| 6 | 5746.71 | 62.01 | 68.20 | -6.19 | 53.38 | 7.33 | 34.44 | 33.14 | 273 | 156 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5692.19 | 100.29 | | | 91.56 | 7.44 | 34.41 | 33.12 | 257 | 346 | Average | VERTICAL |
| 2 | 5692.47 | 110.16 | | | 101.43 | 7.44 | 34.41 | 33.12 | 257 | 346 | Peak | VERTICAL |
| 3 | 5727.60 | 67.12 | 68.20 | -1.08 | 58.45 | 7.37 | 34.43 | 33.13 | 257 | 346 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) | | |

**Channel 54**

| | 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 | 5262.47 | 108.77 | | | 101.56 | 6.34 | 33.93 | 33.06 | 206 | 355 | Peak | VERTICAL |
| 2 | 5263.05 | 99.44 | | | 92.23 | 6.34 | 33.93 | 33.06 | 206 | 355 | Average | VERTICAL |
| 3 | 5350.00 | 47.80 | 54.00 | -6.20 | 40.33 | 6.47 | 34.06 | 33.06 | 206 | 355 | Average | VERTICAL |
| 4 | 5354.34 | 60.03 | 74.00 | -13.97 | 52.56 | 6.47 | 34.06 | 33.06 | 206 | 355 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5296.40 | 106.31 | | | 99.02 | 6.37 | 33.98 | 33.06 | 208 | 169 | Peak | VERTICAL |
| 2 | 5315.50 | 95.50 | | | 88.15 | 6.40 | 34.01 | 33.06 | 208 | 169 | Average | VERTICAL |
| 3 | 5350.00 | 65.77 | 74.00 | -8.23 | 58.30 | 6.47 | 34.06 | 33.06 | 208 | 169 | Peak | VERTICAL |
| 4 | 5350.87 | 53.00 | 54.00 | -1.00 | 45.53 | 6.47 | 34.06 | 33.06 | 208 | 169 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) | | |

**Channel 102**

| | 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 | 5460.00 | 50.03 | 54.00 | -3.97 | 41.49 | 7.38 | 34.22 | 33.06 | 262 | 111 | Average | VERTICAL |
| 2 | 5460.00 | 62.55 | 74.00 | -11.45 | 54.01 | 7.38 | 34.22 | 33.06 | 262 | 111 | Peak | VERTICAL |
| 3 | 5466.38 | 67.14 | 68.20 | -1.06 | 58.57 | 7.38 | 34.25 | 33.06 | 262 | 111 | Peak | VERTICAL |
| 4 | 5520.85 | 101.06 | | | 92.34 | 7.48 | 34.31 | 33.07 | 262 | 111 | Average | VERTICAL |
| 5 | 5520.85 | 111.58 | | | 102.86 | 7.48 | 34.31 | 33.07 | 262 | 111 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5458.26 | 61.79 | 74.00 | -12.21 | 53.25 | 7.38 | 34.22 | 33.06 | 199 | 104 | Peak | VERTICAL |
| 2 | 5459.71 | 49.52 | 54.00 | -4.48 | 40.98 | 7.38 | 34.22 | 33.06 | 199 | 104 | Average | VERTICAL |
| 3 | 5468.84 | 61.49 | 68.20 | -6.71 | 52.92 | 7.38 | 34.25 | 33.06 | 199 | 104 | Peak | VERTICAL |
| 4 | 5534.95 | 102.83 | | | 94.08 | 7.51 | 34.32 | 33.08 | 199 | 104 | Average | VERTICAL |
| 5 | 5540.16 | 112.59 | | | 103.84 | 7.51 | 34.32 | 33.08 | 199 | 104 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5676.66 | 98.83 | | | 90.07 | 7.48 | 34.40 | 33.12 | 212 | 166 | Average | VERTICAL |
| 2 | 5681.58 | 108.94 | | | 100.18 | 7.48 | 34.40 | 33.12 | 212 | 166 | Peak | VERTICAL |
| 3 | 5726.16 | 66.77 | 68.20 | -1.43 | 58.06 | 7.41 | 34.43 | 33.13 | 212 | 166 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) | | |

**Channel 58**

| | 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 | 5263.23 | 92.44 | | | 85.23 | 6.34 | 33.93 | 33.06 | 210 | 350 | Average | VERTICAL |
| 2 | 5273.36 | 102.28 | | | 95.04 | 6.37 | 33.93 | 33.06 | 210 | 350 | Peak | VERTICAL |
| 3 | 5352.89 | 52.78 | 54.00 | -1.22 | 45.31 | 6.47 | 34.06 | 33.06 | 210 | 350 | Average | VERTICAL |
| 4 | 5353.62 | 64.03 | 74.00 | -9.97 | 56.56 | 6.47 | 34.06 | 33.06 | 210 | 350 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5434.67 | 52.87 | 54.00 | -1.13 | 44.39 | 7.35 | 34.19 | 33.06 | 233 | 109 | Average | VERTICAL |
| 2 | 5456.38 | 62.67 | 74.00 | -11.33 | 54.13 | 7.38 | 34.22 | 33.06 | 233 | 109 | Peak | VERTICAL |
| 3 | 5466.38 | 63.58 | 68.20 | -4.62 | 55.01 | 7.38 | 34.25 | 33.06 | 233 | 109 | Peak | VERTICAL |
| 4 | 5516.25 | 106.65 | | | 97.93 | 7.48 | 34.31 | 33.07 | 233 | 109 | Peak | VERTICAL |
| 5 | 5519.87 | 97.87 | | | 89.15 | 7.48 | 34.31 | 33.07 | 233 | 109 | Average | VERTICAL |
| 6 | 5732.24 | 62.40 | 68.20 | -5.80 | 53.74 | 7.37 | 34.43 | 33.14 | 233 | 109 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5459.87 | 63.87 | 74.00 | -10.13 | 55.33 | 7.38 | 34.22 | 33.06 | 249 | 109 | Peak | VERTICAL |
| 2 | 5460.00 | 50.96 | 54.00 | -3.04 | 42.42 | 7.38 | 34.22 | 33.06 | 249 | 109 | Average | VERTICAL |
| 3 | 5465.07 | 63.13 | 68.20 | -5.07 | 54.56 | 7.38 | 34.25 | 33.06 | 249 | 109 | Peak | VERTICAL |
| 4 | 5580.33 | 97.77 | | | 88.91 | 7.61 | 34.34 | 33.09 | 249 | 109 | Average | VERTICAL |
| 5 | 5580.33 | 107.13 | | | 98.27 | 7.61 | 34.34 | 33.09 | 249 | 109 | Peak | VERTICAL |
| 6 | 5735.13 | 66.86 | 68.20 | -1.34 | 58.19 | 7.37 | 34.44 | 33.14 | 249 | 109 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5610 MHz.

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) | | |

**Channel 144**

| | 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 | 5715.95 | 101.11 | | | 92.99 | 6.83 | 34.42 | 33.13 | 225 | 175 | Average | VERTICAL |
| 2 | 5716.53 | 110.88 | | | 102.76 | 6.83 | 34.42 | 33.13 | 225 | 175 | Peak | VERTICAL |
| 3 | 5856.37 | 61.83 | 68.20 | -6.37 | 53.53 | 6.95 | 34.52 | 33.17 | 225 | 175 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) | | |

**Channel 144**

| | 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 | 5717.83 | 111.23 | | | 102.52 | 7.41 | 34.43 | 33.13 | 265 | 344 | Peak | VERTICAL |
| 2 | 5727.96 | 101.38 | | | 92.71 | 7.37 | 34.43 | 33.13 | 265 | 344 | Average | VERTICAL |
| 3 | 5855.79 | 62.50 | 68.20 | -5.70 | 53.61 | 7.54 | 34.52 | 33.17 | 265 | 344 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 142 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) | | |

**Channel 142**

| | 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 | 5699.15 | 89.19 | | | 80.46 | 7.44 | 34.41 | 33.12 | 208 | 197 | Average | HORIZONTAL |
| 2 | 5704.93 | 99.32 | | | 90.59 | 7.44 | 34.42 | 33.13 | 208 | 197 | Peak | HORIZONTAL |
| 3 | 5891.97 | 63.40 | 68.20 | -4.80 | 54.31 | 7.74 | 34.54 | 33.19 | 208 | 197 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) | | |

**Channel 138**

| | 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 | 5653.10 | 96.53 | | | 87.73 | 7.52 | 34.39 | 33.11 | 258 | 339 | Average | VERTICAL |
| 2 | 5653.10 | 105.53 | | | 96.73 | 7.52 | 34.39 | 33.11 | 258 | 339 | Peak | VERTICAL |
| 3 | 5853.62 | 63.40 | 68.20 | -4.80 | 54.51 | 7.54 | 34.52 | 33.17 | 258 | 339 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 05, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) | | |

**Channel 52**

| | 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 | 5146.09 | 59.61 | 74.00 | -14.39 | 52.71 | 6.21 | 33.74 | 33.05 | 200 | 121 | Peak | VERTICAL |
| 2 | 5150.00 | 47.05 | 54.00 | -6.95 | 40.15 | 6.21 | 33.74 | 33.05 | 200 | 121 | Average | VERTICAL |
| 3 | 5260.87 | 104.52 | | | 97.31 | 6.34 | 33.93 | 33.06 | 200 | 121 | Average | VERTICAL |
| 4 | 5261.30 | 113.78 | | | 106.57 | 6.34 | 33.93 | 33.06 | 200 | 121 | Peak | VERTICAL |
| 5 | 5350.00 | 47.69 | 54.00 | -6.31 | 40.22 | 6.47 | 34.06 | 33.06 | 200 | 121 | Average | VERTICAL |
| 6 | 5353.47 | 59.91 | 74.00 | -14.09 | 52.44 | 6.47 | 34.06 | 33.06 | 200 | 121 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5298.26 | 113.19 | | | 105.87 | 6.40 | 33.98 | 33.06 | 213 | 166 | Peak | VERTICAL |
| 2 | 5298.55 | 102.54 | | | 95.22 | 6.40 | 33.98 | 33.06 | 213 | 166 | Average | VERTICAL |
| 3 | 5350.00 | 47.76 | 54.00 | -6.24 | 40.29 | 6.47 | 34.06 | 33.06 | 213 | 166 | Average | VERTICAL |
| 4 | 5353.47 | 59.85 | 74.00 | -14.15 | 52.38 | 6.47 | 34.06 | 33.06 | 213 | 166 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5318.41 | 114.09 | | | 106.74 | 6.40 | 34.01 | 33.06 | 206 | 166 | Peak | VERTICAL |
| 2 | 5319.28 | 103.35 | | | 96.00 | 6.40 | 34.01 | 33.06 | 206 | 166 | Average | VERTICAL |
| 3 | 5350.00 | 50.02 | 54.00 | -3.98 | 42.55 | 6.47 | 34.06 | 33.06 | 206 | 166 | Average | VERTICAL |
| 4 | 5351.16 | 64.27 | 74.00 | -9.73 | 56.80 | 6.47 | 34.06 | 33.06 | 206 | 166 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 05, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) | | |

**Channel 100**

| | 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 | 5459.28 | 49.11 | 54.00 | -4.89 | 41.35 | 6.60 | 34.22 | 33.06 | 200 | 120 | Average | VERTICAL |
| 2 | 5459.28 | 61.83 | 74.00 | -12.17 | 54.07 | 6.60 | 34.22 | 33.06 | 200 | 120 | Peak | VERTICAL |
| 3 | 5469.28 | 63.11 | 68.20 | -5.09 | 55.32 | 6.60 | 34.25 | 33.06 | 200 | 120 | Peak | VERTICAL |
| 4 | 5499.42 | 103.48 | | | 95.61 | 6.63 | 34.30 | 33.06 | 200 | 120 | Average | VERTICAL |
| 5 | 5499.57 | 114.83 | | | 106.96 | 6.63 | 34.30 | 33.06 | 200 | 120 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5419.48 | 51.26 | 54.00 | -2.74 | 43.62 | 6.53 | 34.17 | 33.06 | 194 | 123 | Average | VERTICAL |
| 2 | 5419.48 | 63.35 | 74.00 | -10.65 | 55.71 | 6.53 | 34.17 | 33.06 | 194 | 123 | Peak | VERTICAL |
| 3 | 5467.83 | 59.74 | 68.20 | -8.46 | 51.95 | 6.60 | 34.25 | 33.06 | 194 | 123 | Peak | VERTICAL |
| 4 | 5579.28 | 106.25 | | | 98.28 | 6.72 | 34.34 | 33.09 | 194 | 123 | Average | VERTICAL |
| 5 | 5579.28 | 114.95 | | | 106.98 | 6.72 | 34.34 | 33.09 | 194 | 123 | Peak | VERTICAL |
| 6 | 5741.64 | 61.22 | 68.20 | -6.98 | 53.06 | 6.86 | 34.44 | 33.14 | 194 | 123 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5692.62 | 101.58 | | | 93.48 | 6.81 | 34.41 | 33.12 | 200 | 110 | Average | VERTICAL |
| 2 | 5693.20 | 111.94 | | | 103.84 | 6.81 | 34.41 | 33.12 | 200 | 110 | Peak | VERTICAL |
| 3 | 5732.24 | 66.81 | 68.20 | -1.39 | 58.66 | 6.86 | 34.43 | 33.14 | 200 | 110 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 05, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) | | |

**Channel 52**

| | 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 | 5143.92 | 59.38 | 74.00 | -14.62 | 52.48 | 6.21 | 33.74 | 33.05 | 197 | 122 | Peak | VERTICAL |
| 2 | 5150.00 | 47.12 | 54.00 | -6.88 | 40.22 | 6.21 | 33.74 | 33.05 | 197 | 122 | Average | VERTICAL |
| 3 | 5265.21 | 103.76 | | | 96.55 | 6.34 | 33.93 | 33.06 | 197 | 122 | Average | VERTICAL |
| 4 | 5265.21 | 113.84 | | | 106.63 | 6.34 | 33.93 | 33.06 | 197 | 122 | Peak | VERTICAL |
| 5 | 5350.00 | 47.55 | 54.00 | -6.45 | 40.08 | 6.47 | 34.06 | 33.06 | 197 | 122 | Average | VERTICAL |
| 6 | 5354.78 | 59.38 | 74.00 | -14.62 | 51.91 | 6.47 | 34.06 | 33.06 | 197 | 122 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5308.10 | 100.76 | | | 93.44 | 6.40 | 33.98 | 33.06 | 198 | 73 | Average | VERTICAL |
| 2 | 5308.10 | 112.38 | | | 105.06 | 6.40 | 33.98 | 33.06 | 198 | 73 | Peak | VERTICAL |
| 3 | 5350.00 | 47.25 | 54.00 | -6.75 | 39.78 | 6.47 | 34.06 | 33.06 | 198 | 73 | Average | VERTICAL |
| 4 | 5359.26 | 61.40 | 74.00 | -12.60 | 53.93 | 6.47 | 34.06 | 33.06 | 198 | 73 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5315.80 | 113.00 | | | 105.65 | 6.40 | 34.01 | 33.06 | 210 | 296 | Peak | VERTICAL |
| 2 | 5315.95 | 102.06 | | | 94.71 | 6.40 | 34.01 | 33.06 | 210 | 296 | Average | VERTICAL |
| 3 | 5351.01 | 51.41 | 54.00 | -2.59 | 43.94 | 6.47 | 34.06 | 33.06 | 210 | 296 | Average | VERTICAL |
| 4 | 5351.30 | 68.73 | 74.00 | -5.27 | 61.26 | 6.47 | 34.06 | 33.06 | 210 | 296 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 05, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) | | |

**Channel 100**

| | 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 | 5459.28 | 61.09 | 74.00 | -12.91 | 53.33 | 6.60 | 34.22 | 33.06 | 200 | 120 | Peak | VERTICAL |
| 2 | 5459.42 | 49.44 | 54.00 | -4.56 | 41.68 | 6.60 | 34.22 | 33.06 | 200 | 120 | Average | VERTICAL |
| 3 | 5465.08 | 67.02 | 68.20 | -1.18 | 59.23 | 6.60 | 34.25 | 33.06 | 200 | 120 | Peak | VERTICAL |
| 4 | 5495.08 | 103.90 | | | 96.06 | 6.63 | 34.27 | 33.06 | 200 | 120 | Average | VERTICAL |
| 5 | 5495.08 | 113.71 | | | 105.87 | 6.63 | 34.27 | 33.06 | 200 | 120 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5415.14 | 50.26 | 54.00 | -3.74 | 42.62 | 6.53 | 34.17 | 33.06 | 200 | 124 | Average | VERTICAL |
| 2 | 5415.14 | 60.89 | 74.00 | -13.11 | 53.25 | 6.53 | 34.17 | 33.06 | 200 | 124 | Peak | VERTICAL |
| 3 | 5464.93 | 58.98 | 68.20 | -9.22 | 51.19 | 6.60 | 34.25 | 33.06 | 200 | 124 | Peak | VERTICAL |
| 4 | 5574.93 | 103.49 | | | 95.53 | 6.70 | 34.34 | 33.08 | 200 | 124 | Average | VERTICAL |
| 5 | 5574.93 | 113.31 | | | 105.35 | 6.70 | 34.34 | 33.08 | 200 | 124 | Peak | VERTICAL |
| 6 | 5772.76 | 62.12 | 68.20 | -6.08 | 53.92 | 6.88 | 34.47 | 33.15 | 200 | 124 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5706.51 | 99.02 | | | 90.90 | 6.83 | 34.42 | 33.13 | 208 | 109 | Average | VERTICAL |
| 2 | 5706.95 | 110.33 | | | 102.21 | 6.83 | 34.42 | 33.13 | 208 | 109 | Peak | VERTICAL |
| 3 | 5727.32 | 67.07 | 68.20 | -1.13 | 58.94 | 6.83 | 34.43 | 33.13 | 208 | 109 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 05, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) | | |

**Channel 54**

| | 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 | 5265.08 | 110.41 | | | 103.20 | 6.34 | 33.93 | 33.06 | 200 | 121 | Peak | VERTICAL |
| 2 | 5265.37 | 100.42 | | | 93.21 | 6.34 | 33.93 | 33.06 | 200 | 121 | Average | VERTICAL |
| 3 | 5350.00 | 48.32 | 54.00 | -5.68 | 40.85 | 6.47 | 34.06 | 33.06 | 200 | 121 | Average | VERTICAL |
| 4 | 5354.34 | 60.64 | 74.00 | -13.36 | 53.17 | 6.47 | 34.06 | 33.06 | 200 | 121 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5316.08 | 95.53 | | | 88.18 | 6.40 | 34.01 | 33.06 | 200 | 299 | Average | VERTICAL |
| 2 | 5316.37 | 105.86 | | | 98.51 | 6.40 | 34.01 | 33.06 | 200 | 299 | Peak | VERTICAL |
| 3 | 5351.16 | 52.84 | 54.00 | -1.16 | 45.37 | 6.47 | 34.06 | 33.06 | 200 | 299 | Average | VERTICAL |
| 4 | 5351.45 | 65.51 | 74.00 | -8.49 | 58.04 | 6.47 | 34.06 | 33.06 | 200 | 299 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 05, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) | | |

**Channel 102**

| | 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 | 5458.26 | 50.36 | 54.00 | -3.64 | 42.60 | 6.60 | 34.22 | 33.06 | 200 | 302 | Average | VERTICAL |
| 2 | 5458.26 | 62.44 | 74.00 | -11.56 | 54.68 | 6.60 | 34.22 | 33.06 | 200 | 302 | Peak | VERTICAL |
| 3 | 5463.92 | 71.74 | 74.00 | -2.26 | 63.95 | 6.60 | 34.25 | 33.06 | 200 | 302 | Peak | VERTICAL |
| 4 | 5468.55 | 52.91 | 54.00 | -1.09 | 45.12 | 6.60 | 34.25 | 33.06 | 200 | 302 | Average | VERTICAL |
| 5 | 5515.79 | 110.53 | | | 102.64 | 6.65 | 34.31 | 33.07 | 200 | 302 | Peak | VERTICAL |
| 6 | 5523.02 | 99.65 | | | 91.76 | 6.65 | 34.31 | 33.07 | 200 | 302 | Average | VERTICAL |

Item 5, 6 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5454.50 | 61.43 | 74.00 | -12.57 | 53.67 | 6.60 | 34.22 | 33.06 | 200 | 309 | Peak | VERTICAL |
| 2 | 5457.68 | 48.55 | 54.00 | -5.45 | 40.79 | 6.60 | 34.22 | 33.06 | 200 | 309 | Average | VERTICAL |
| 3 | 5470.00 | 61.46 | 68.20 | -6.74 | 53.67 | 6.60 | 34.25 | 33.06 | 200 | 309 | Peak | VERTICAL |
| 4 | 5542.76 | 111.25 | | | 103.33 | 6.68 | 34.32 | 33.08 | 200 | 309 | Peak | VERTICAL |
| 5 | 5557.81 | 101.19 | | | 93.24 | 6.70 | 34.33 | 33.08 | 200 | 309 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5654.95 | 98.93 | | | 90.87 | 6.79 | 34.39 | 33.12 | 200 | 120 | Average | VERTICAL |
| 2 | 5655.24 | 108.68 | | | 100.62 | 6.79 | 34.39 | 33.12 | 200 | 120 | Peak | VERTICAL |
| 3 | 5727.60 | 66.98 | 68.20 | -1.22 | 58.85 | 6.83 | 34.43 | 33.13 | 200 | 120 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date | Nov. 05, 2015 ~ Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) | | |

**Channel 58**

| | 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 | 5150.00 | 47.52 | 54.00 | -6.48 | 40.62 | 6.21 | 33.74 | 33.05 | 200 | 124 | Average | VERTICAL |
| 2 | 5150.00 | 58.52 | 74.00 | -15.48 | 51.62 | 6.21 | 33.74 | 33.05 | 200 | 124 | Peak | VERTICAL |
| 3 | 5260.33 | 92.36 | | | 85.15 | 6.34 | 33.93 | 33.06 | 200 | 124 | Average | VERTICAL |
| 4 | 5265.40 | 102.28 | | | 95.07 | 6.34 | 33.93 | 33.06 | 200 | 124 | Peak | VERTICAL |
| 5 | 5350.72 | 52.89 | 54.00 | -1.11 | 45.42 | 6.47 | 34.06 | 33.06 | 200 | 124 | Average | VERTICAL |
| 6 | 5355.07 | 62.87 | 74.00 | -11.13 | 55.40 | 6.47 | 34.06 | 33.06 | 200 | 124 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5434.67 | 65.39 | 74.00 | -8.61 | 57.70 | 6.56 | 34.19 | 33.06 | 200 | 308 | Peak | VERTICAL |
| 2 | 5457.83 | 52.87 | 54.00 | -1.13 | 45.11 | 6.60 | 34.22 | 33.06 | 200 | 308 | Average | VERTICAL |
| 3 | 5467.83 | 64.37 | 68.20 | -3.83 | 56.58 | 6.60 | 34.25 | 33.06 | 200 | 308 | Peak | VERTICAL |
| 4 | 5558.22 | 96.67 | | | 88.72 | 6.70 | 34.33 | 33.08 | 200 | 308 | Average | VERTICAL |
| 5 | 5558.22 | 105.97 | | | 98.02 | 6.70 | 34.33 | 33.08 | 200 | 308 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5454.93 | 63.47 | 74.00 | -10.53 | 55.71 | 6.60 | 34.22 | 33.06 | 201 | 119 | Peak | VERTICAL |
| 2 | 5458.55 | 51.77 | 54.00 | -2.23 | 44.01 | 6.60 | 34.22 | 33.06 | 201 | 119 | Average | VERTICAL |
| 3 | 5470.00 | 63.05 | 68.20 | -5.15 | 55.26 | 6.60 | 34.25 | 33.06 | 201 | 119 | Peak | VERTICAL |
| 4 | 5584.67 | 107.23 | | | 99.25 | 6.72 | 34.35 | 33.09 | 201 | 119 | Peak | VERTICAL |
| 5 | 5620.13 | 98.47 | | | 90.46 | 6.74 | 34.37 | 33.10 | 201 | 119 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5610 MHz.

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 05, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) | | |

**Channel 144**

| | 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 | 5718.84 | 104.12 | | | 95.99 | 6.83 | 34.43 | 33.13 | 205 | 122 | Average | VERTICAL |
| 2 | 5719.42 | 113.64 | | | 105.51 | 6.83 | 34.43 | 33.13 | 205 | 122 | Peak | VERTICAL |
| 3 | 5854.05 | 60.12 | 68.20 | -8.08 | 51.82 | 6.95 | 34.52 | 33.17 | 205 | 122 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 05, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) | | |

**Channel 144**

| | 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 | 5718.26 | 111.56 | | | 103.43 | 6.83 | 34.43 | 33.13 | 200 | 123 | Peak | VERTICAL |
| 2 | 5724.63 | 101.88 | | | 93.75 | 6.83 | 34.43 | 33.13 | 200 | 123 | Average | VERTICAL |
| 3 | 5855.21 | 60.15 | 68.20 | -8.05 | 51.85 | 6.95 | 34.52 | 33.17 | 200 | 123 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) | | |

**Channel 142**

| | 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 | 5696.69 | 99.21 | | | 91.11 | 6.81 | 34.41 | 33.12 | 200 | 110 | Average | VERTICAL |
| 2 | 5702.47 | 109.10 | | | 100.99 | 6.81 | 34.42 | 33.12 | 200 | 110 | Peak | VERTICAL |
| 3 | 5856.95 | 61.65 | 68.20 | -6.55 | 53.35 | 6.95 | 34.52 | 33.17 | 200 | 110 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | Nov. 06, 2015 | | |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) | | |

**Channel 138**

| | 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 | 5702.30 | 96.68 | | | 88.57 | 6.81 | 34.42 | 33.12 | 200 | 110 | Average | VERTICAL |
| 2 | 5702.30 | 106.60 | | | 98.49 | 6.81 | 34.42 | 33.12 | 200 | 110 | Peak | VERTICAL |
| 3 | 5851.45 | 63.06 | 68.20 | -5.14 | 54.77 | 6.95 | 34.51 | 33.17 | 200 | 110 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 |
| Test Date | Nov. 13, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) | | |

**Channel 52**

| | 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 | 5150.00 | 47.76 | 54.00 | -6.24 | 39.86 | 7.21 | 33.74 | 33.05 | 266 | 129 | Average | VERTICAL |
| 2 | 5150.00 | 60.58 | 74.00 | -13.42 | 52.68 | 7.21 | 33.74 | 33.05 | 266 | 129 | Peak | VERTICAL |
| 3 | 5257.83 | 115.57 | | | 107.38 | 7.35 | 33.90 | 33.06 | 266 | 129 | Peak | VERTICAL |
| 4 | 5266.51 | 103.80 | | | 95.59 | 7.34 | 33.93 | 33.06 | 266 | 129 | Average | VERTICAL |
| 5 | 5350.00 | 48.80 | 54.00 | -5.20 | 40.50 | 7.30 | 34.06 | 33.06 | 266 | 129 | Average | VERTICAL |
| 6 | 5350.00 | 62.10 | 74.00 | -11.90 | 53.80 | 7.30 | 34.06 | 33.06 | 266 | 129 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5297.97 | 115.24 | | | 107.00 | 7.32 | 33.98 | 33.06 | 291 | 130 | Peak | VERTICAL |
| 2 | 5306.66 | 103.97 | | | 95.73 | 7.32 | 33.98 | 33.06 | 291 | 130 | Average | VERTICAL |
| 3 | 5351.16 | 63.14 | 74.00 | -10.86 | 54.84 | 7.30 | 34.06 | 33.06 | 291 | 130 | Peak | VERTICAL |
| 4 | 5359.26 | 50.27 | 54.00 | -3.73 | 41.97 | 7.30 | 34.06 | 33.06 | 291 | 130 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5313.63 | 103.15 | | | 94.88 | 7.32 | 34.01 | 33.06 | 270 | 131 | Average | VERTICAL |
| 2 | 5317.68 | 114.68 | | | 106.41 | 7.32 | 34.01 | 33.06 | 270 | 131 | Peak | VERTICAL |
| 3 | 5350.00 | 52.96 | 54.00 | -1.04 | 44.66 | 7.30 | 34.06 | 33.06 | 270 | 131 | Average | VERTICAL |
| 4 | 5351.30 | 71.26 | 74.00 | -2.74 | 62.96 | 7.30 | 34.06 | 33.06 | 270 | 131 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 |
| Test Date | Nov. 13, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) | | |

**Channel 100**

| | 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 | 5459.86 | 65.21 | 74.00 | -8.79 | 56.67 | 7.38 | 34.22 | 33.06 | 296 | 129 | Peak | VERTICAL |
| 2 | 5460.00 | 50.93 | 54.00 | -3.07 | 42.39 | 7.38 | 34.22 | 33.06 | 296 | 129 | Average | VERTICAL |
| 3 | 5469.71 | 67.31 | 74.00 | -6.69 | 58.71 | 7.41 | 34.25 | 33.06 | 296 | 129 | Peak | VERTICAL |
| 4 | 5470.00 | 52.84 | 54.00 | -1.16 | 44.24 | 7.41 | 34.25 | 33.06 | 296 | 129 | Average | VERTICAL |
| 5 | 5497.83 | 116.34 | | | 107.66 | 7.44 | 34.30 | 33.06 | 296 | 129 | Peak | VERTICAL |
| 6 | 5506.51 | 103.81 | | | 95.10 | 7.48 | 34.30 | 33.07 | 296 | 129 | Average | VERTICAL |

Item 5, 6 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5355.08 | 51.80 | 54.00 | -2.20 | 43.50 | 7.30 | 34.06 | 33.06 | 293 | 132 | Average | VERTICAL |
| 2 | 5355.80 | 63.05 | 74.00 | -10.95 | 54.75 | 7.30 | 34.06 | 33.06 | 293 | 132 | Peak | VERTICAL |
| 3 | 5468.55 | 61.42 | 74.00 | -12.58 | 52.85 | 7.38 | 34.25 | 33.06 | 293 | 132 | Peak | VERTICAL |
| 4 | 5470.00 | 48.37 | 54.00 | -5.63 | 39.77 | 7.41 | 34.25 | 33.06 | 293 | 132 | Average | VERTICAL |
| 5 | 5586.51 | 105.17 | | | 96.30 | 7.61 | 34.35 | 33.09 | 293 | 132 | Average | VERTICAL |
| 6 | 5586.51 | 116.22 | | | 107.35 | 7.61 | 34.35 | 33.09 | 293 | 132 | Peak | VERTICAL |
| 7 | 5819.07 | 51.22 | 54.00 | -2.78 | 42.54 | 7.35 | 34.49 | 33.16 | 293 | 132 | Average | VERTICAL |
| 8 | 5820.51 | 64.47 | 74.00 | -9.53 | 55.78 | 7.35 | 34.50 | 33.16 | 293 | 132 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5697.83 | 114.09 | | | 105.36 | 7.44 | 34.41 | 33.12 | 291 | 55 | Peak | VERTICAL |
| 2 | 5701.30 | 101.65 | | | 92.91 | 7.44 | 34.42 | 33.12 | 291 | 55 | Average | VERTICAL |
| 3 | 5725.00 | 66.98 | 68.20 | -1.22 | 58.27 | 7.41 | 34.43 | 33.13 | 291 | 55 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 |
| Test Date | Nov. 13, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) | | |

**Channel 52**

| | 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 | 5147.40 | 60.19 | 74.00 | -13.81 | 52.29 | 7.21 | 33.74 | 33.05 | 295 | 131 | Peak | VERTICAL |
| 2 | 5150.00 | 47.82 | 54.00 | -6.18 | 39.92 | 7.21 | 33.74 | 33.05 | 295 | 131 | Average | VERTICAL |
| 3 | 5254.36 | 113.64 | | | 105.45 | 7.35 | 33.90 | 33.06 | 295 | 131 | Peak | VERTICAL |
| 4 | 5266.08 | 102.81 | | | 94.60 | 7.34 | 33.93 | 33.06 | 295 | 131 | Average | VERTICAL |
| 5 | 5350.00 | 48.60 | 54.00 | -5.40 | 40.30 | 7.30 | 34.06 | 33.06 | 295 | 131 | Average | VERTICAL |
| 6 | 5353.47 | 62.36 | 74.00 | -11.64 | 54.06 | 7.30 | 34.06 | 33.06 | 295 | 131 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5298.26 | 114.04 | | | 105.80 | 7.32 | 33.98 | 33.06 | 288 | 130 | Peak | VERTICAL |
| 2 | 5306.37 | 104.35 | | | 96.11 | 7.32 | 33.98 | 33.06 | 288 | 130 | Average | VERTICAL |
| 3 | 5350.00 | 50.64 | 54.00 | -3.36 | 42.34 | 7.30 | 34.06 | 33.06 | 288 | 130 | Average | VERTICAL |
| 4 | 5350.00 | 62.58 | 74.00 | -11.42 | 54.28 | 7.30 | 34.06 | 33.06 | 288 | 130 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5312.04 | 103.25 | | | 94.98 | 7.32 | 34.01 | 33.06 | 275 | 131 | Average | VERTICAL |
| 2 | 5322.60 | 113.36 | | | 105.09 | 7.32 | 34.01 | 33.06 | 275 | 131 | Peak | VERTICAL |
| 3 | 5350.00 | 52.90 | 54.00 | -1.10 | 44.60 | 7.30 | 34.06 | 33.06 | 275 | 131 | Average | VERTICAL |
| 4 | 5352.03 | 69.02 | 74.00 | -4.98 | 60.72 | 7.30 | 34.06 | 33.06 | 275 | 131 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 |
| Test Date | Nov. 13, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) | | |

**Channel 100**

| | 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 | 5460.00 | 51.90 | 54.00 | -2.10 | 43.36 | 7.38 | 34.22 | 33.06 | 295 | 132 | Average | VERTICAL |
| 2 | 5460.00 | 63.99 | 74.00 | -10.01 | 55.45 | 7.38 | 34.22 | 33.06 | 295 | 132 | Peak | VERTICAL |
| 3 | 5469.86 | 66.99 | 68.20 | -1.21 | 58.39 | 7.41 | 34.25 | 33.06 | 295 | 132 | Peak | VERTICAL |
| 4 | 5494.50 | 115.44 | | | 106.79 | 7.44 | 34.27 | 33.06 | 295 | 132 | Peak | VERTICAL |
| 5 | 5496.96 | 104.40 | | | 95.72 | 7.44 | 34.30 | 33.06 | 295 | 132 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5355.08 | 63.43 | 74.00 | -10.57 | 55.13 | 7.30 | 34.06 | 33.06 | 297 | 132 | Peak | VERTICAL |
| 2 | 5355.80 | 52.70 | 54.00 | -1.30 | 44.40 | 7.30 | 34.06 | 33.06 | 297 | 132 | Average | VERTICAL |
| 3 | 5470.00 | 61.42 | 68.20 | -6.78 | 52.82 | 7.41 | 34.25 | 33.06 | 297 | 132 | Peak | VERTICAL |
| 4 | 5585.79 | 115.49 | | | 106.62 | 7.61 | 34.35 | 33.09 | 297 | 132 | Peak | VERTICAL |
| 5 | 5587.96 | 106.00 | | | 97.13 | 7.61 | 34.35 | 33.09 | 297 | 132 | Average | VERTICAL |
| 6 | 5819.79 | 63.44 | 68.20 | -4.76 | 54.75 | 7.35 | 34.50 | 33.16 | 297 | 132 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5697.97 | 101.83 | | | 93.10 | 7.44 | 34.41 | 33.12 | 293 | 58 | Average | VERTICAL |
| 2 | 5697.97 | 113.94 | | | 105.21 | 7.44 | 34.41 | 33.12 | 293 | 58 | Peak | VERTICAL |
| 3 | 5725.29 | 66.68 | 68.20 | -1.52 | 57.97 | 7.41 | 34.43 | 33.13 | 293 | 58 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 54, 62 / Chain 1 |
| Test Date | Nov. 13, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) | | |

**Channel 54**

| | 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 | 5150.00 | 49.21 | 54.00 | -4.79 | 41.31 | 7.21 | 33.74 | 33.05 | 292 | 132 | Average | VERTICAL |
| 2 | 5150.00 | 59.63 | 74.00 | -14.37 | 51.73 | 7.21 | 33.74 | 33.05 | 292 | 132 | Peak | VERTICAL |
| 3 | 5264.79 | 102.74 | | | 94.53 | 7.34 | 33.93 | 33.06 | 292 | 132 | Average | VERTICAL |
| 4 | 5276.51 | 113.77 | | | 105.55 | 7.33 | 33.95 | 33.06 | 292 | 132 | Peak | VERTICAL |
| 5 | 5350.00 | 52.91 | 54.00 | -1.09 | 44.61 | 7.30 | 34.06 | 33.06 | 292 | 132 | Average | VERTICAL |
| 6 | 5350.00 | 67.28 | 74.00 | -6.72 | 58.98 | 7.30 | 34.06 | 33.06 | 292 | 132 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5311.74 | 94.60 | | | 86.33 | 7.32 | 34.01 | 33.06 | 290 | 133 | Average | VERTICAL |
| 2 | 5313.47 | 104.87 | | | 96.60 | 7.32 | 34.01 | 33.06 | 290 | 133 | Peak | VERTICAL |
| 3 | 5350.00 | 52.81 | 54.00 | -1.19 | 44.51 | 7.30 | 34.06 | 33.06 | 290 | 133 | Average | VERTICAL |
| 4 | 5350.00 | 65.93 | 74.00 | -8.07 | 57.63 | 7.30 | 34.06 | 33.06 | 290 | 133 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 |
| Test Date | Nov. 13, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) | | |

**Channel 102**

| | 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 | 5456.82 | 64.82 | 74.00 | -9.18 | 56.28 | 7.38 | 34.22 | 33.06 | 300 | 131 | Peak | VERTICAL |
| 2 | 5460.00 | 51.75 | 54.00 | -2.25 | 43.21 | 7.38 | 34.22 | 33.06 | 300 | 131 | Average | VERTICAL |
| 3 | 5470.00 | 66.46 | 68.20 | -1.74 | 57.86 | 7.41 | 34.25 | 33.06 | 300 | 131 | Peak | VERTICAL |
| 4 | 5514.92 | 99.86 | | | 91.14 | 7.48 | 34.31 | 33.07 | 300 | 131 | Average | VERTICAL |
| 5 | 5518.97 | 110.64 | | | 101.92 | 7.48 | 34.31 | 33.07 | 300 | 131 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5458.26 | 65.29 | 74.00 | -8.71 | 56.75 | 7.38 | 34.22 | 33.06 | 300 | 133 | Peak | VERTICAL |
| 2 | 5460.00 | 51.91 | 54.00 | -2.09 | 43.37 | 7.38 | 34.22 | 33.06 | 300 | 133 | Average | VERTICAL |
| 3 | 5469.71 | 64.88 | 68.20 | -3.32 | 56.28 | 7.41 | 34.25 | 33.06 | 300 | 133 | Peak | VERTICAL |
| 4 | 5557.53 | 104.73 | | | 95.94 | 7.54 | 34.33 | 33.08 | 300 | 133 | Average | VERTICAL |
| 5 | 5559.26 | 115.32 | | | 106.53 | 7.54 | 34.33 | 33.08 | 300 | 133 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5683.89 | 99.82 | | | 91.05 | 7.48 | 34.41 | 33.12 | 296 | 142 | Average | VERTICAL |
| 2 | 5683.89 | 110.74 | | | 101.97 | 7.48 | 34.41 | 33.12 | 296 | 142 | Peak | VERTICAL |
| 3 | 5727.03 | 66.58 | 68.20 | -1.62 | 57.91 | 7.37 | 34.43 | 33.13 | 296 | 142 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 / Chain 1 |
| Test Date | Nov. 13, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) | | |

**Channel 58**

| | 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 | 5276.98 | 101.47 | | | 93.25 | 7.33 | 33.95 | 33.06 | 275 | 131 | Peak | VERTICAL |
| 2 | 5280.59 | 91.69 | | | 83.47 | 7.33 | 33.95 | 33.06 | 275 | 131 | Average | VERTICAL |
| 3 | 5350.00 | 52.67 | 54.00 | -1.33 | 44.37 | 7.30 | 34.06 | 33.06 | 275 | 131 | Average | VERTICAL |
| 4 | 5350.00 | 63.21 | 74.00 | -10.79 | 54.91 | 7.30 | 34.06 | 33.06 | 275 | 131 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5459.28 | 66.63 | 74.00 | -7.37 | 58.09 | 7.38 | 34.22 | 33.06 | 296 | 132 | Peak | VERTICAL |
| 2 | 5460.00 | 43.40 | 54.00 | -1.60 | 34.86 | 7.38 | 34.22 | 33.06 | 296 | 132 | Average | VERTICAL |
| 3 | 5470.00 | 67.18 | 68.20 | -1.02 | 58.58 | 7.41 | 34.25 | 33.06 | 296 | 132 | Peak | VERTICAL |
| 4 | 5515.53 | 97.86 | | | 89.14 | 7.48 | 34.31 | 33.07 | 296 | 132 | Average | VERTICAL |
| 5 | 5547.37 | 108.34 | | | 99.56 | 7.54 | 34.32 | 33.08 | 296 | 132 | Peak | VERTICAL |
| 6 | 5725.00 | 61.60 | 68.20 | -6.60 | 52.89 | 7.41 | 34.43 | 33.13 | 296 | 132 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5460.00 | 51.29 | 54.00 | -2.71 | 42.75 | 7.38 | 34.22 | 33.06 | 277 | 129 | Average | VERTICAL |
| 2 | 5460.00 | 64.59 | 74.00 | -9.41 | 56.05 | 7.38 | 34.22 | 33.06 | 277 | 129 | Peak | VERTICAL |
| 3 | 5462.80 | 65.14 | 68.20 | -3.06 | 56.57 | 7.38 | 34.25 | 33.06 | 277 | 129 | Peak | VERTICAL |
| 4 | 5595.50 | 107.80 | | | 98.93 | 7.61 | 34.35 | 33.09 | 277 | 129 | Peak | VERTICAL |
| 5 | 5597.00 | 97.69 | | | 88.79 | 7.64 | 34.35 | 33.09 | 277 | 129 | Average | VERTICAL |
| 6 | 5725.00 | 66.64 | 68.20 | -1.56 | 57.93 | 7.41 | 34.43 | 33.13 | 277 | 129 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5610 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 |
| Test Date | Nov. 13, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) | | |

**Channel 144**

| | 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 | 5718.55 | 103.74 | | | 95.03 | 7.41 | 34.43 | 33.13 | 275 | 60 | Average | VERTICAL |
| 2 | 5718.55 | 115.62 | | | 106.91 | 7.41 | 34.43 | 33.13 | 275 | 60 | Peak | VERTICAL |
| 3 | 5880.39 | 63.59 | 68.20 | -4.61 | 54.50 | 7.74 | 34.53 | 33.18 | 275 | 60 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 |
| Test Date | Nov. 13, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) | | |

**Channel 144**

| | 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 | 5712.76 | 104.29 | | | 95.59 | 7.41 | 34.42 | 33.13 | 300 | 293 | Peak | HORIZONTAL |
| 2 | 5726.51 | 94.40 | | | 85.73 | 7.37 | 34.43 | 33.13 | 300 | 293 | Average | HORIZONTAL |
| 3 | 5854.34 | 61.38 | 68.20 | -6.82 | 52.49 | 7.54 | 34.52 | 33.17 | 300 | 293 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 |
| Test Date | Nov. 13, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) | | |

**Channel 142**

| | 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 | 5707.11 | 92.12 | | | 83.39 | 7.44 | 34.42 | 33.13 | 300 | 294 | Average | HORIZONTAL |
| 2 | 5707.83 | 102.62 | | | 93.92 | 7.41 | 34.42 | 33.13 | 300 | 294 | Peak | HORIZONTAL |
| 3 | 5884.01 | 59.63 | 68.20 | -8.57 | 50.55 | 7.74 | 34.53 | 33.19 | 300 | 294 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 |
| Test Date | Nov. 13, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) | | |

**Channel 138**

| | 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 | 5678.42 | 109.12 | | | 100.36 | 7.48 | 34.40 | 33.12 | 298 | 134 | Peak | VERTICAL |
| 2 | 5697.24 | 98.87 | | | 90.14 | 7.44 | 34.41 | 33.12 | 298 | 134 | Average | VERTICAL |
| 3 | 5852.89 | 63.22 | 68.20 | -4.98 | 54.34 | 7.54 | 34.51 | 33.17 | 298 | 134 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) | | |

**Channel 52**

| | 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 | 5264.63 | 115.10 | | | 106.89 | 7.34 | 33.93 | 33.06 | 284 | 333 | Peak | VERTICAL |
| 2 | 5265.21 | 105.20 | | | 96.99 | 7.34 | 33.93 | 33.06 | 284 | 333 | Average | VERTICAL |
| 3 | 5350.00 | 48.38 | 54.00 | -5.62 | 40.08 | 7.30 | 34.06 | 33.06 | 284 | 333 | Average | VERTICAL |
| 4 | 5352.03 | 60.86 | 74.00 | -13.14 | 52.56 | 7.30 | 34.06 | 33.06 | 284 | 333 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5294.50 | 105.33 | | | 97.09 | 7.32 | 33.98 | 33.06 | 271 | 333 | Average | VERTICAL |
| 2 | 5294.50 | 115.32 | | | 107.08 | 7.32 | 33.98 | 33.06 | 271 | 333 | Peak | VERTICAL |
| 3 | 5350.00 | 49.26 | 54.00 | -4.74 | 40.96 | 7.30 | 34.06 | 33.06 | 271 | 333 | Average | VERTICAL |
| 4 | 5365.05 | 62.01 | 74.00 | -11.99 | 53.68 | 7.30 | 34.09 | 33.06 | 271 | 333 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5314.50 | 105.17 | | | 96.90 | 7.32 | 34.01 | 33.06 | 270 | 331 | Average | VERTICAL |
| 2 | 5314.79 | 115.13 | | | 106.86 | 7.32 | 34.01 | 33.06 | 270 | 331 | Peak | VERTICAL |
| 3 | 5350.58 | 52.46 | 54.00 | -1.54 | 44.16 | 7.30 | 34.06 | 33.06 | 270 | 331 | Average | VERTICAL |
| 4 | 5351.16 | 67.88 | 74.00 | -6.12 | 59.58 | 7.30 | 34.06 | 33.06 | 270 | 331 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) | | |

**Channel 100**

| | 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 | 5456.82 | 50.69 | 54.00 | -3.31 | 42.15 | 7.38 | 34.22 | 33.06 | 300 | 51 | Average | VERTICAL |
| 2 | 5457.97 | 63.45 | 74.00 | -10.55 | 54.91 | 7.38 | 34.22 | 33.06 | 300 | 51 | Peak | VERTICAL |
| 3 | 5468.55 | 66.52 | 68.20 | -1.68 | 57.95 | 7.38 | 34.25 | 33.06 | 300 | 51 | Peak | VERTICAL |
| 4 | 5502.03 | 106.14 | | | 97.47 | 7.44 | 34.30 | 33.07 | 300 | 51 | Average | VERTICAL |
| 5 | 5502.03 | 115.99 | | | 107.32 | 7.44 | 34.30 | 33.07 | 300 | 51 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5426.71 | 50.64 | 54.00 | -3.36 | 42.22 | 7.31 | 34.17 | 33.06 | 300 | 54 | Average | VERTICAL |
| 2 | 5426.71 | 62.52 | 74.00 | -11.48 | 54.10 | 7.31 | 34.17 | 33.06 | 300 | 54 | Peak | VERTICAL |
| 3 | 5462.04 | 60.66 | 68.20 | -7.54 | 52.12 | 7.38 | 34.22 | 33.06 | 300 | 54 | Peak | VERTICAL |
| 4 | 5587.24 | 107.21 | | | 98.34 | 7.61 | 34.35 | 33.09 | 300 | 54 | Average | VERTICAL |
| 5 | 5587.24 | 116.58 | | | 107.71 | 7.61 | 34.35 | 33.09 | 300 | 54 | Peak | VERTICAL |
| 6 | 5737.30 | 63.16 | 68.20 | -5.04 | 54.49 | 7.37 | 34.44 | 33.14 | 300 | 54 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5702.03 | 103.93 | | | 95.19 | 7.44 | 34.42 | 33.12 | 299 | 51 | Average | VERTICAL |
| 2 | 5702.32 | 114.21 | | | 105.47 | 7.44 | 34.42 | 33.12 | 299 | 51 | Peak | VERTICAL |
| 3 | 5731.95 | 66.98 | 68.20 | -1.22 | 58.32 | 7.37 | 34.43 | 33.14 | 299 | 51 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) | | |

**Channel 52**

| | 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 | 5141.75 | 61.51 | 74.00 | -12.49 | 53.61 | 7.21 | 33.74 | 33.05 | 275 | 88 | Peak | VERTICAL |
| 2 | 5150.00 | 47.98 | 54.00 | -6.02 | 40.08 | 7.21 | 33.74 | 33.05 | 275 | 88 | Average | VERTICAL |
| 3 | 5262.17 | 104.49 | | | 96.28 | 7.34 | 33.93 | 33.06 | 275 | 88 | Average | VERTICAL |
| 4 | 5262.60 | 114.48 | | | 106.27 | 7.34 | 33.93 | 33.06 | 275 | 88 | Peak | VERTICAL |
| 5 | 5350.00 | 48.41 | 54.00 | -5.59 | 40.11 | 7.30 | 34.06 | 33.06 | 275 | 88 | Average | VERTICAL |
| 6 | 5358.68 | 61.07 | 74.00 | -12.93 | 52.77 | 7.30 | 34.06 | 33.06 | 275 | 88 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5292.19 | 104.31 | | | 96.09 | 7.33 | 33.95 | 33.06 | 286 | 331 | Average | VERTICAL |
| 2 | 5307.53 | 114.54 | | | 106.30 | 7.32 | 33.98 | 33.06 | 286 | 331 | Peak | VERTICAL |
| 3 | 5350.00 | 49.74 | 54.00 | -4.26 | 41.44 | 7.30 | 34.06 | 33.06 | 286 | 331 | Average | VERTICAL |
| 4 | 5353.76 | 62.29 | 74.00 | -11.71 | 53.99 | 7.30 | 34.06 | 33.06 | 286 | 331 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5312.76 | 113.76 | | | 105.49 | 7.32 | 34.01 | 33.06 | 292 | 109 | Peak | VERTICAL |
| 2 | 5313.05 | 103.78 | | | 95.51 | 7.32 | 34.01 | 33.06 | 292 | 109 | Average | VERTICAL |
| 3 | 5350.29 | 52.88 | 54.00 | -1.12 | 44.58 | 7.30 | 34.06 | 33.06 | 292 | 109 | Average | VERTICAL |
| 4 | 5352.32 | 66.47 | 74.00 | -7.53 | 58.17 | 7.30 | 34.06 | 33.06 | 292 | 109 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) | | |

**Channel 100**

| | 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 | 5457.97 | 63.66 | 74.00 | -10.34 | 55.12 | 7.38 | 34.22 | 33.06 | 300 | 50 | Peak | VERTICAL |
| 2 | 5460.00 | 50.81 | 54.00 | -3.19 | 42.27 | 7.38 | 34.22 | 33.06 | 300 | 50 | Average | VERTICAL |
| 3 | 5469.42 | 67.05 | 68.20 | -1.15 | 58.48 | 7.38 | 34.25 | 33.06 | 300 | 50 | Peak | VERTICAL |
| 4 | 5498.84 | 115.21 | | | 106.53 | 7.44 | 34.30 | 33.06 | 300 | 50 | Peak | VERTICAL |
| 5 | 5506.08 | 105.39 | | | 96.68 | 7.48 | 34.30 | 33.07 | 300 | 50 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5443.07 | 61.37 | 74.00 | -12.63 | 52.89 | 7.35 | 34.19 | 33.06 | 298 | 54 | Peak | VERTICAL |
| 2 | 5460.00 | 48.21 | 54.00 | -5.79 | 39.67 | 7.38 | 34.22 | 33.06 | 298 | 54 | Average | VERTICAL |
| 3 | 5470.00 | 60.34 | 68.20 | -7.86 | 51.74 | 7.41 | 34.25 | 33.06 | 298 | 54 | Peak | VERTICAL |
| 4 | 5585.64 | 116.76 | | | 107.89 | 7.61 | 34.35 | 33.09 | 298 | 54 | Peak | VERTICAL |
| 5 | 5586.08 | 106.66 | | | 97.79 | 7.61 | 34.35 | 33.09 | 298 | 54 | Average | VERTICAL |
| 6 | 5725.00 | 60.75 | 68.20 | -7.45 | 52.04 | 7.41 | 34.43 | 33.13 | 298 | 54 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5705.79 | 103.10 | | | 94.37 | 7.44 | 34.42 | 33.13 | 300 | 50 | Average | VERTICAL |
| 2 | 5707.24 | 112.45 | | | 103.72 | 7.44 | 34.42 | 33.13 | 300 | 50 | Peak | VERTICAL |
| 3 | 5726.16 | 66.92 | 68.20 | -1.28 | 58.21 | 7.41 | 34.43 | 33.13 | 300 | 50 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) | | |

**Channel 54**

| | 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 | 5262.47 | 111.69 | | | 103.48 | 7.34 | 33.93 | 33.06 | 300 | 336 | Peak | VERTICAL |
| 2 | 5265.08 | 100.91 | | | 92.70 | 7.34 | 33.93 | 33.06 | 300 | 336 | Average | VERTICAL |
| 3 | 5350.00 | 49.23 | 54.00 | -4.77 | 40.93 | 7.30 | 34.06 | 33.06 | 300 | 336 | Average | VERTICAL |
| 4 | 5353.47 | 61.40 | 74.00 | -12.60 | 53.10 | 7.30 | 34.06 | 33.06 | 300 | 336 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5295.82 | 105.73 | | | 97.49 | 7.32 | 33.98 | 33.06 | 299 | 114 | Peak | VERTICAL |
| 2 | 5298.13 | 95.28 | | | 87.04 | 7.32 | 33.98 | 33.06 | 299 | 114 | Average | VERTICAL |
| 3 | 5350.58 | 52.47 | 54.00 | -1.53 | 44.17 | 7.30 | 34.06 | 33.06 | 299 | 114 | Average | VERTICAL |
| 4 | 5351.16 | 64.66 | 74.00 | -9.34 | 56.36 | 7.30 | 34.06 | 33.06 | 299 | 114 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) | | |

**Channel 102**

| | 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 | 5433.95 | 64.09 | 74.00 | -9.91 | 55.61 | 7.35 | 34.19 | 33.06 | 300 | 51 | Peak | VERTICAL |
| 2 | 5458.26 | 51.31 | 54.00 | -2.69 | 42.77 | 7.38 | 34.22 | 33.06 | 300 | 51 | Average | VERTICAL |
| 3 | 5467.83 | 66.88 | 68.20 | -1.32 | 58.31 | 7.38 | 34.25 | 33.06 | 300 | 51 | Peak | VERTICAL |
| 4 | 5514.34 | 110.83 | | | 102.11 | 7.48 | 34.31 | 33.07 | 300 | 51 | Peak | VERTICAL |
| 5 | 5521.29 | 101.23 | | | 92.51 | 7.48 | 34.31 | 33.07 | 300 | 51 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5402.11 | 50.23 | 54.00 | -3.77 | 41.87 | 7.28 | 34.14 | 33.06 | 299 | 58 | Average | VERTICAL |
| 2 | 5454.80 | 62.05 | 74.00 | -11.95 | 53.51 | 7.38 | 34.22 | 33.06 | 299 | 58 | Peak | VERTICAL |
| 3 | 5456.00 | 50.64 | 74.00 | -23.36 | 42.10 | 7.38 | 34.22 | 33.06 | 299 | 58 | Peak | VERTICAL |
| 4 | 5462.76 | 62.32 | 68.20 | -5.88 | 53.75 | 7.38 | 34.25 | 33.06 | 299 | 58 | Peak | VERTICAL |
| 5 | 5536.25 | 103.96 | | | 95.21 | 7.51 | 34.32 | 33.08 | 299 | 58 | Average | VERTICAL |
| 6 | 5545.66 | 114.17 | | | 105.39 | 7.54 | 34.32 | 33.08 | 299 | 58 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5656.11 | 101.27 | | | 92.48 | 7.52 | 34.39 | 33.12 | 299 | 53 | Average | VERTICAL |
| 2 | 5678.97 | 110.89 | | | 102.13 | 7.48 | 34.40 | 33.12 | 299 | 53 | Peak | VERTICAL |
| 3 | 5726.45 | 67.14 | 68.20 | -1.06 | 58.47 | 7.37 | 34.43 | 33.13 | 299 | 53 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 58, 106, 122 / Chain 1 + Chain 2 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) | | |

**Channel 58**

| | 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 | 5144.93 | 59.61 | 74.00 | -14.39 | 51.71 | 7.21 | 33.74 | 33.05 | 300 | 101 | Peak | VERTICAL |
| 2 | 5150.00 | 48.59 | 54.00 | -5.41 | 40.69 | 7.21 | 33.74 | 33.05 | 300 | 101 | Average | VERTICAL |
| 3 | 5265.40 | 91.47 | | | 83.26 | 7.34 | 33.93 | 33.06 | 300 | 101 | Average | VERTICAL |
| 4 | 5275.53 | 100.85 | | | 92.62 | 7.34 | 33.95 | 33.06 | 300 | 101 | Peak | VERTICAL |
| 5 | 5350.00 | 52.55 | 54.00 | -1.45 | 44.25 | 7.30 | 34.06 | 33.06 | 300 | 101 | Average | VERTICAL |
| 6 | 5357.96 | 63.35 | 74.00 | -10.65 | 55.05 | 7.30 | 34.06 | 33.06 | 300 | 101 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5446.12 | 63.88 | 74.00 | -10.12 | 55.37 | 7.35 | 34.22 | 33.06 | 291 | 58 | Peak | VERTICAL |
| 2 | 5458.42 | 52.72 | 54.00 | -1.28 | 44.18 | 7.38 | 34.22 | 33.06 | 291 | 58 | Average | VERTICAL |
| 3 | 5467.11 | 64.92 | 68.20 | -3.28 | 56.35 | 7.38 | 34.25 | 33.06 | 291 | 58 | Peak | VERTICAL |
| 4 | 5538.68 | 106.97 | | | 98.22 | 7.51 | 34.32 | 33.08 | 291 | 58 | Peak | VERTICAL |
| 5 | 5558.94 | 97.80 | | | 89.01 | 7.54 | 34.33 | 33.08 | 291 | 58 | Average | VERTICAL |
| 6 | 5725.00 | 61.12 | 68.20 | -7.08 | 52.41 | 7.41 | 34.43 | 33.13 | 291 | 58 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5457.10 | 65.56 | 74.00 | -8.44 | 57.02 | 7.38 | 34.22 | 33.06 | 300 | 54 | Peak | VERTICAL |
| 2 | 5460.00 | 50.66 | 54.00 | -3.34 | 42.12 | 7.38 | 34.22 | 33.06 | 300 | 54 | Average | VERTICAL |
| 3 | 5462.80 | 64.40 | 68.20 | -3.80 | 55.83 | 7.38 | 34.25 | 33.06 | 300 | 54 | Peak | VERTICAL |
| 4 | 5595.50 | 109.92 | | | 101.05 | 7.61 | 34.35 | 33.09 | 300 | 54 | Peak | VERTICAL |
| 5 | 5618.70 | 100.25 | | | 91.38 | 7.60 | 34.37 | 33.10 | 300 | 54 | Average | VERTICAL |
| 6 | 5738.00 | 66.70 | 68.20 | -1.50 | 58.03 | 7.37 | 34.44 | 33.14 | 300 | 54 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5610 MHz.

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) | | |

**Channel 144**

| | 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 | 5712.76 | 106.53 | | | 97.83 | 7.41 | 34.42 | 33.13 | 300 | 51 | Average | VERTICAL |
| 2 | 5712.76 | 115.31 | | | 106.61 | 7.41 | 34.42 | 33.13 | 300 | 51 | Peak | VERTICAL |
| 3 | 5877.50 | 62.08 | 68.20 | -6.12 | 53.09 | 7.64 | 34.53 | 33.18 | 300 | 51 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 144 / Chain 1 + Chain 2 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) | | |

**Channel 144**

| | 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 | 5713.49 | 105.30 | | | 96.60 | 7.41 | 34.42 | 33.13 | 299 | 53 | Average | VERTICAL |
| 2 | 5716.38 | 115.56 | | | 106.86 | 7.41 | 34.42 | 33.13 | 299 | 53 | Peak | VERTICAL |
| 3 | 5878.94 | 62.42 | 68.20 | -5.78 | 53.33 | 7.74 | 34.53 | 33.18 | 299 | 53 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) | | |

**Channel 142**

| | 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 | 5698.42 | 102.01 | | | 93.28 | 7.44 | 34.41 | 33.12 | 294 | 54 | Average | VERTICAL |
| 2 | 5702.76 | 111.62 | | | 102.88 | 7.44 | 34.42 | 33.12 | 294 | 54 | Peak | VERTICAL |
| 3 | 5874.60 | 63.00 | 68.20 | -5.20 | 54.01 | 7.64 | 34.53 | 33.18 | 294 | 54 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) | | |

**Channel 138**

| | 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 | 5708.80 | 99.63 | | | 90.93 | 7.41 | 34.42 | 33.13 | 300 | 49 | Average | VERTICAL |
| 2 | 5716.00 | 109.31 | | | 100.61 | 7.41 | 34.42 | 33.13 | 300 | 49 | Peak | VERTICAL |
| 3 | 5852.90 | 63.03 | 68.20 | -5.17 | 54.15 | 7.54 | 34.51 | 33.17 | 300 | 49 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 09, 2015 ~ Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) | | |

**Channel 52**

| | 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 | 5146.53 | 61.00 | 74.00 | -13.00 | 53.10 | 7.21 | 33.74 | 33.05 | 275 | 78 | Peak | VERTICAL |
| 2 | 5149.13 | 48.43 | 54.00 | -5.57 | 40.53 | 7.21 | 33.74 | 33.05 | 275 | 78 | Average | VERTICAL |
| 3 | 5266.95 | 107.78 | | | 99.57 | 7.34 | 33.93 | 33.06 | 275 | 78 | Average | VERTICAL |
| 4 | 5266.95 | 116.73 | | | 108.52 | 7.34 | 33.93 | 33.06 | 275 | 78 | Peak | VERTICAL |
| 5 | 5350.00 | 49.29 | 54.00 | -4.71 | 40.99 | 7.30 | 34.06 | 33.06 | 275 | 78 | Average | VERTICAL |
| 6 | 5353.04 | 62.41 | 74.00 | -11.59 | 54.11 | 7.30 | 34.06 | 33.06 | 275 | 78 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5306.37 | 117.28 | | | 109.04 | 7.32 | 33.98 | 33.06 | 275 | 77 | Peak | VERTICAL |
| 2 | 5306.66 | 107.55 | | | 99.31 | 7.32 | 33.98 | 33.06 | 275 | 77 | Average | VERTICAL |
| 3 | 5356.95 | 49.79 | 54.00 | -4.21 | 41.49 | 7.30 | 34.06 | 33.06 | 275 | 77 | Average | VERTICAL |
| 4 | 5357.81 | 62.58 | 74.00 | -11.42 | 54.28 | 7.30 | 34.06 | 33.06 | 275 | 77 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5321.16 | 105.29 | | | 97.02 | 7.32 | 34.01 | 33.06 | 275 | 350 | Average | VERTICAL |
| 2 | 5321.16 | 115.71 | | | 107.44 | 7.32 | 34.01 | 33.06 | 275 | 350 | Peak | VERTICAL |
| 3 | 5350.87 | 67.89 | 74.00 | -6.11 | 59.59 | 7.30 | 34.06 | 33.06 | 275 | 350 | Peak | VERTICAL |
| 4 | 5351.01 | 52.99 | 54.00 | -1.01 | 44.69 | 7.30 | 34.06 | 33.06 | 275 | 350 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) | | |

**Channel 100**

| | 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 | 5459.57 | 65.24 | 74.00 | -8.76 | 56.70 | 7.38 | 34.22 | 33.06 | 276 | 346 | Peak | VERTICAL |
| 2 | 5460.00 | 52.23 | 54.00 | -1.77 | 43.69 | 7.38 | 34.22 | 33.06 | 276 | 346 | Average | VERTICAL |
| 3 | 5469.28 | 67.17 | 68.20 | -1.03 | 58.60 | 7.38 | 34.25 | 33.06 | 276 | 346 | Peak | VERTICAL |
| 4 | 5500.72 | 107.47 | | | 98.79 | 7.44 | 34.30 | 33.06 | 276 | 346 | Average | VERTICAL |
| 5 | 5501.30 | 117.58 | | | 108.91 | 7.44 | 34.30 | 33.07 | 276 | 346 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5422.37 | 51.81 | 54.00 | -2.19 | 43.39 | 7.31 | 34.17 | 33.06 | 270 | 310 | Average | VERTICAL |
| 2 | 5424.11 | 62.82 | 74.00 | -11.18 | 54.40 | 7.31 | 34.17 | 33.06 | 270 | 310 | Peak | VERTICAL |
| 3 | 5461.32 | 61.89 | 68.20 | -6.31 | 53.35 | 7.38 | 34.22 | 33.06 | 270 | 310 | Peak | VERTICAL |
| 4 | 5583.47 | 109.58 | | | 100.71 | 7.61 | 34.35 | 33.09 | 270 | 310 | Average | VERTICAL |
| 5 | 5583.47 | 118.83 | | | 109.96 | 7.61 | 34.35 | 33.09 | 270 | 310 | Peak | VERTICAL |
| 6 | 5743.81 | 64.87 | 68.20 | -3.33 | 56.20 | 7.37 | 34.44 | 33.14 | 270 | 310 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5695.95 | 116.56 | | | 107.83 | 7.44 | 34.41 | 33.12 | 273 | 58 | Peak | VERTICAL |
| 2 | 5706.51 | 105.56 | | | 96.83 | 7.44 | 34.42 | 33.13 | 273 | 58 | Average | VERTICAL |
| 3 | 5726.30 | 67.06 | 68.20 | -1.14 | 58.35 | 7.41 | 34.43 | 33.13 | 273 | 58 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) | | |

**Channel 52**

| | 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 | 5145.22 | 60.65 | 74.00 | -13.35 | 52.75 | 7.21 | 33.74 | 33.05 | 275 | 90 | Peak | VERTICAL |
| 2 | 5147.40 | 49.18 | 54.00 | -4.82 | 41.28 | 7.21 | 33.74 | 33.05 | 275 | 90 | Average | VERTICAL |
| 3 | 5267.38 | 108.24 | | | 100.03 | 7.34 | 33.93 | 33.06 | 275 | 90 | Average | VERTICAL |
| 4 | 5268.25 | 117.01 | | | 108.80 | 7.34 | 33.93 | 33.06 | 275 | 90 | Peak | VERTICAL |
| 5 | 5351.30 | 49.38 | 54.00 | -4.62 | 41.08 | 7.30 | 34.06 | 33.06 | 275 | 90 | Average | VERTICAL |
| 6 | 5353.47 | 60.84 | 74.00 | -13.16 | 52.54 | 7.30 | 34.06 | 33.06 | 275 | 90 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5260 MHz.

**Channel 60**

| | 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 | 5300.87 | 116.78 | | | 108.54 | 7.32 | 33.98 | 33.06 | 275 | 56 | Peak | VERTICAL |
| 2 | 5306.08 | 107.51 | | | 99.27 | 7.32 | 33.98 | 33.06 | 275 | 56 | Average | VERTICAL |
| 3 | 5350.87 | 50.73 | 54.00 | -3.27 | 42.43 | 7.30 | 34.06 | 33.06 | 275 | 56 | Average | VERTICAL |
| 4 | 5352.32 | 62.50 | 74.00 | -11.50 | 54.20 | 7.30 | 34.06 | 33.06 | 275 | 56 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5300 MHz.

**Channel 64**

| | 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 | 5316.09 | 104.81 | | | 96.54 | 7.32 | 34.01 | 33.06 | 284 | 53 | Average | VERTICAL |
| 2 | 5316.24 | 115.83 | | | 107.56 | 7.32 | 34.01 | 33.06 | 284 | 53 | Peak | VERTICAL |
| 3 | 5351.45 | 52.79 | 54.00 | -1.21 | 44.49 | 7.30 | 34.06 | 33.06 | 284 | 53 | Average | VERTICAL |
| 4 | 5351.59 | 66.93 | 74.00 | -7.07 | 58.63 | 7.30 | 34.06 | 33.06 | 284 | 53 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5320 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) | | |

**Channel 100**

| | 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 | 5457.54 | 51.67 | 54.00 | -2.33 | 43.13 | 7.38 | 34.22 | 33.06 | 277 | 358 | Average | VERTICAL |
| 2 | 5457.97 | 65.12 | 74.00 | -8.88 | 56.58 | 7.38 | 34.22 | 33.06 | 277 | 358 | Peak | VERTICAL |
| 3 | 5467.68 | 66.92 | 68.20 | -1.28 | 58.35 | 7.38 | 34.25 | 33.06 | 277 | 358 | Peak | VERTICAL |
| 4 | 5492.76 | 106.11 | | | 97.46 | 7.44 | 34.27 | 33.06 | 277 | 358 | Average | VERTICAL |
| 5 | 5497.40 | 117.31 | | | 108.63 | 7.44 | 34.30 | 33.06 | 277 | 358 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

| | 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 | 5421.79 | 63.37 | 74.00 | -10.63 | 54.95 | 7.31 | 34.17 | 33.06 | 275 | 2 | Peak | VERTICAL |
| 2 | 5427.00 | 52.18 | 54.00 | -1.82 | 43.76 | 7.31 | 34.17 | 33.06 | 275 | 2 | Average | VERTICAL |
| 3 | 5467.68 | 61.39 | 68.20 | -6.81 | 52.82 | 7.38 | 34.25 | 33.06 | 275 | 2 | Peak | VERTICAL |
| 4 | 5587.53 | 108.22 | | | 99.35 | 7.61 | 34.35 | 33.09 | 275 | 2 | Average | VERTICAL |
| 5 | 5587.53 | 117.69 | | | 108.82 | 7.61 | 34.35 | 33.09 | 275 | 2 | Peak | VERTICAL |
| 6 | 5733.10 | 64.57 | 68.20 | -3.63 | 55.91 | 7.37 | 34.43 | 33.14 | 275 | 2 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

| | 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 | 5696.38 | 104.83 | | | 96.10 | 7.44 | 34.41 | 33.12 | 283 | 58 | Average | VERTICAL |
| 2 | 5701.30 | 116.02 | | | 107.28 | 7.44 | 34.42 | 33.12 | 283 | 58 | Peak | VERTICAL |
| 3 | 5726.45 | 66.95 | 68.20 | -1.25 | 58.28 | 7.37 | 34.43 | 33.13 | 283 | 58 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5700 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) | | |

**Channel 54**

| | 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 | 5261.90 | 103.29 | | | 95.08 | 7.34 | 33.93 | 33.06 | 275 | 83 | Average | VERTICAL |
| 2 | 5261.90 | 114.61 | | | 106.40 | 7.34 | 33.93 | 33.06 | 275 | 83 | Peak | VERTICAL |
| 3 | 5350.87 | 61.82 | 74.00 | -12.18 | 53.52 | 7.30 | 34.06 | 33.06 | 275 | 83 | Peak | VERTICAL |
| 4 | 5352.32 | 50.08 | 54.00 | -3.92 | 41.78 | 7.30 | 34.06 | 33.06 | 275 | 83 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

| | 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 | 5306.24 | 106.78 | | | 98.54 | 7.32 | 33.98 | 33.06 | 275 | 47 | Peak | VERTICAL |
| 2 | 5311.16 | 96.96 | | | 88.69 | 7.32 | 34.01 | 33.06 | 275 | 47 | Average | VERTICAL |
| 3 | 5350.58 | 52.86 | 54.00 | -1.14 | 44.56 | 7.30 | 34.06 | 33.06 | 275 | 47 | Average | VERTICAL |
| 4 | 5355.79 | 66.42 | 74.00 | -7.58 | 58.12 | 7.30 | 34.06 | 33.06 | 275 | 47 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5310 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) | | |

**Channel 102**

| | 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 | 5455.66 | 51.77 | 54.00 | -2.23 | 43.23 | 7.38 | 34.22 | 33.06 | 275 | 48 | Average | VERTICAL |
| 2 | 5457.11 | 64.42 | 74.00 | -9.58 | 55.88 | 7.38 | 34.22 | 33.06 | 275 | 48 | Peak | VERTICAL |
| 3 | 5468.26 | 65.62 | 68.20 | -2.58 | 57.05 | 7.38 | 34.25 | 33.06 | 275 | 48 | Peak | VERTICAL |
| 4 | 5521.00 | 101.46 | | | 92.74 | 7.48 | 34.31 | 33.07 | 275 | 48 | Average | VERTICAL |
| 5 | 5525.92 | 113.31 | | | 104.56 | 7.51 | 34.31 | 33.07 | 275 | 48 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5510 MHz.

**Channel 110**

| | 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 | 5455.95 | 52.49 | 54.00 | -1.51 | 43.95 | 7.38 | 34.22 | 33.06 | 282 | 49 | Average | VERTICAL |
| 2 | 5455.95 | 64.73 | 74.00 | -9.27 | 56.19 | 7.38 | 34.22 | 33.06 | 282 | 49 | Peak | VERTICAL |
| 3 | 5466.24 | 65.94 | 68.20 | -2.26 | 57.37 | 7.38 | 34.25 | 33.06 | 282 | 49 | Peak | VERTICAL |
| 4 | 5535.82 | 106.81 | | | 98.06 | 7.51 | 34.32 | 33.08 | 282 | 49 | Average | VERTICAL |
| 5 | 5535.82 | 117.39 | | | 108.64 | 7.51 | 34.32 | 33.08 | 282 | 49 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5550 MHz.

**Channel 134**

| | 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 | 5686.21 | 102.66 | | | 93.89 | 7.48 | 34.41 | 33.12 | 275 | 55 | Average | VERTICAL |
| 2 | 5686.21 | 112.50 | | | 103.73 | 7.48 | 34.41 | 33.12 | 275 | 55 | Peak | VERTICAL |
| 3 | 5727.03 | 67.00 | 68.20 | -1.20 | 58.33 | 7.37 | 34.43 | 33.13 | 275 | 55 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5670 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) | | |

**Channel 58**

| | 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 | 5146.00 | 49.40 | 54.00 | -4.60 | 41.50 | 7.21 | 33.74 | 33.05 | 275 | 49 | Average | VERTICAL |
| 2 | 5146.00 | 60.40 | 74.00 | -13.60 | 52.50 | 7.21 | 33.74 | 33.05 | 275 | 49 | Peak | VERTICAL |
| 3 | 5286.38 | 103.07 | | | 94.85 | 7.33 | 33.95 | 33.06 | 275 | 49 | Peak | VERTICAL |
| 4 | 5300.85 | 93.50 | | | 85.26 | 7.32 | 33.98 | 33.06 | 275 | 49 | Average | VERTICAL |
| 5 | 5351.45 | 52.88 | 54.00 | -1.12 | 44.58 | 7.30 | 34.06 | 33.06 | 275 | 49 | Average | VERTICAL |
| 6 | 5357.24 | 63.86 | 74.00 | -10.14 | 55.56 | 7.30 | 34.06 | 33.06 | 275 | 49 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5290 MHz.

**Channel 106**

| | 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 | 5446.98 | 63.32 | 74.00 | -10.68 | 54.81 | 7.35 | 34.22 | 33.06 | 275 | 64 | Peak | VERTICAL |
| 2 | 5456.38 | 52.74 | 54.00 | -1.26 | 44.20 | 7.38 | 34.22 | 33.06 | 275 | 64 | Average | VERTICAL |
| 3 | 5464.93 | 64.22 | 68.20 | -3.98 | 55.65 | 7.38 | 34.25 | 33.06 | 275 | 64 | Peak | VERTICAL |
| 4 | 5541.58 | 96.52 | | | 87.77 | 7.51 | 34.32 | 33.08 | 275 | 64 | Average | VERTICAL |
| 5 | 5546.64 | 106.03 | | | 97.25 | 7.54 | 34.32 | 33.08 | 275 | 64 | Peak | VERTICAL |
| 6 | 5730.79 | 61.29 | 68.20 | -6.91 | 52.63 | 7.37 | 34.43 | 33.14 | 275 | 64 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5530 MHz.

**Channel 122**

| | 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 | 5455.66 | 52.67 | 54.00 | -1.33 | 44.13 | 7.38 | 34.22 | 33.06 | 275 | 49 | Average | VERTICAL |
| 2 | 5460.00 | 64.62 | 74.00 | -9.38 | 56.08 | 7.38 | 34.22 | 33.06 | 275 | 49 | Peak | VERTICAL |
| 3 | 5470.00 | 64.00 | 68.20 | -4.20 | 55.40 | 7.41 | 34.25 | 33.06 | 275 | 49 | Peak | VERTICAL |
| 4 | 5601.32 | 110.50 | | | 101.59 | 7.64 | 34.36 | 33.09 | 275 | 49 | Peak | VERTICAL |
| 5 | 5615.79 | 101.73 | | | 92.86 | 7.60 | 34.37 | 33.10 | 275 | 49 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5610 MHz.

**Straddle Channel**

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) | | |

**Channel 144**

| | 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 | 5715.95 | 119.11 | | | 110.41 | 7.41 | 34.42 | 33.13 | 273 | 59 | Peak | VERTICAL |
| 2 | 5725.79 | 109.04 | | | 100.33 | 7.41 | 34.43 | 33.13 | 273 | 59 | Average | VERTICAL |
| 3 | 5877.10 | 66.54 | 68.20 | -1.66 | 57.55 | 7.64 | 34.53 | 33.18 | 273 | 59 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) | | |

**Channel 144**

| | 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 | 5715.95 | 109.37 | | | 100.67 | 7.41 | 34.42 | 33.13 | 275 | 55 | Average | VERTICAL |
| 2 | 5716.53 | 119.12 | | | 110.42 | 7.41 | 34.42 | 33.13 | 275 | 55 | Peak | VERTICAL |
| 3 | 5880.68 | 64.50 | 68.20 | -3.70 | 55.41 | 7.74 | 34.53 | 33.18 | 275 | 55 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5720 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40<br>CH 142 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) | | |

**Channel 142**

| | 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 | 5696.11 | 106.44 | | | 97.71 | 7.44 | 34.41 | 33.12 | 276 | 58 | Average | VERTICAL |
| 2 | 5706.53 | 115.94 | | | 107.21 | 7.44 | 34.42 | 33.13 | 276 | 58 | Peak | VERTICAL |
| 3 | 5861.00 | 62.96 | 68.20 | -5.24 | 53.98 | 7.64 | 34.52 | 33.18 | 276 | 58 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5710 MHz.

| Temperature | 24°C | Humidity | 65% |
|---|---|---|---|
| Test Engineer | Brian Sun & Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Nov. 10, 2015 | | |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) | | |

**Channel 138**

| | 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 | 5696.37 | 112.77 | | | 104.04 | 7.44 | 34.41 | 33.12 | 275 | 56 | Peak | VERTICAL |
| 2 | 5706.21 | 102.92 | | | 94.19 | 7.44 | 34.42 | 33.13 | 275 | 56 | Average | VERTICAL |
| 3 | 5854.63 | 67.05 | 68.20 | -1.15 | 58.16 | 7.54 | 34.52 | 33.17 | 275 | 56 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level