



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15693.00 | 59.63 | 74.00 | -14.37 | 43.00 | 12.58 | 37.90 | 33.85 | 175 | 190 | Peak | HORIZONTAL |
| 2 | 15707.70 | 47.96 | 54.00 | -6.04 | 31.40 | 12.57 | 37.87 | 33.88 | 175 | 190 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15702.00 | 58.96 | 74.00 | -15.04 | 42.40 | 12.57 | 37.87 | 33.88 | 149 | 128 | Peak | VERTICAL |
| 2 | 15704.50 | 46.96 | 54.00 | -7.04 | 30.40 | 12.57 | 37.87 | 33.88 | 149 | 128 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15820.20 | 60.49 | 74.00 | -13.51 | 44.22 | 12.57 | 37.68 | 33.98 | 147 | 314 | Peak | HORIZONTAL |
| 2 | 15827.50 | 47.80 | 54.00 | -6.20 | 31.53 | 12.57 | 37.68 | 33.98 | 147 | 314 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15818.50 | 47.74 | 54.00 | -6.26 | 31.47 | 12.57 | 37.68 | 33.98 | 151 | 149 | Average | VERTICAL |
| 2 | 15828.80 | 60.72 | 74.00 | -13.28 | 44.47 | 12.57 | 37.68 | 34.00 | 151 | 149 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10607.30 | 41.97 | 54.00 | -12.03 | 27.00 | 10.19 | 38.40 | 33.62 | 150 | 219 | Average | HORIZONTAL |
| 2 | 10623.00 | 54.75 | 74.00 | -19.25 | 39.78 | 10.19 | 38.40 | 33.62 | 150 | 219 | Peak | HORIZONTAL |
| 3 | 15905.50 | 59.65 | 74.00 | -14.35 | 43.63 | 12.56 | 37.54 | 34.08 | 152 | 268 | Peak | HORIZONTAL |
| 4 | 15925.00 | 47.14 | 54.00 | -6.86 | 31.15 | 12.56 | 37.51 | 34.08 | 152 | 268 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10597.30 | 41.83 | 54.00 | -12.17 | 26.90 | 10.16 | 38.40 | 33.63 | 159 | 249 | Average | VERTICAL |
| 2 | 10600.40 | 54.07 | 74.00 | -19.93 | 39.14 | 10.16 | 38.40 | 33.63 | 159 | 249 | Peak | VERTICAL |
| 3 | 15905.50 | 46.98 | 54.00 | -7.02 | 30.96 | 12.56 | 37.54 | 34.08 | 154 | 217 | Average | VERTICAL |
| 4 | 15927.60 | 59.86 | 74.00 | -14.14 | 43.87 | 12.56 | 37.51 | 34.08 | 154 | 217 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11037.80 | 55.12 | 74.00 | -18.88 | 39.50 | 10.57 | 38.43 | 33.38 | 159 | 322 | Peak | HORIZONTAL |
| 2 | 11042.40 | 42.93 | 54.00 | -11.07 | 27.29 | 10.57 | 38.45 | 33.38 | 159 | 322 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11042.10 | 55.71 | 74.00 | -18.29 | 40.07 | 10.57 | 38.45 | 33.38 | 155 | 291 | Peak | VERTICAL |
| 2 | 11043.20 | 42.86 | 54.00 | -11.14 | 27.22 | 10.57 | 38.45 | 33.38 | 155 | 291 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11099.60 | 44.90 | 54.00 | -9.10 | 29.20 | 10.58 | 38.50 | 33.38 | 166 | 219 | Average | HORIZONTAL |
| 2 | 11106.20 | 56.12 | 74.00 | -17.88 | 40.42 | 10.58 | 38.50 | 33.38 | 166 | 219 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11086.00 | 43.39 | 54.00 | -10.61 | 27.71 | 10.58 | 38.48 | 33.38 | 168 | 239 | Average | VERTICAL |
| 2 | 11119.70 | 56.02 | 74.00 | -17.98 | 40.29 | 10.59 | 38.52 | 33.38 | 168 | 239 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11352.70 | 44.13 | 54.00 | -9.87 | 28.08 | 10.67 | 38.75 | 33.37 | 158 | 259 | Average | HORIZONTAL |
| 2 | 11354.90 | 55.83 | 74.00 | -18.17 | 39.78 | 10.67 | 38.75 | 33.37 | 158 | 259 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11324.10 | 55.51 | 74.00 | -18.49 | 39.50 | 10.66 | 38.72 | 33.37 | 148 | 211 | Peak | VERTICAL |
| 2 | 11345.00 | 43.13 | 54.00 | -10.87 | 27.08 | 10.67 | 38.75 | 33.37 | 148 | 211 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11520.10 | 56.60 | 74.00 | -17.40 | 40.34 | 10.73 | 38.91 | 33.38 | 174 | 83 | Peak | HORIZONTAL |
| 2 | 11529.10 | 43.67 | 54.00 | -10.33 | 27.41 | 10.73 | 38.91 | 33.38 | 174 | 83 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11522.60 | 55.67 | 74.00 | -18.33 | 39.41 | 10.73 | 38.91 | 33.38 | 147 | 137 | Peak | VERTICAL |
| 2 | 11527.30 | 43.60 | 54.00 | -10.40 | 27.34 | 10.73 | 38.91 | 33.38 | 147 | 137 | Average | VERTICAL |



SPORTON LAB.

Report No.: FR441804-21AB

| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11569.40 | 44.29 | 54.00 | -9.71 | 27.98 | 10.75 | 38.94 | 33.38 | 154 | 239 | Average | HORIZONTAL |
| 2 | 11604.40 | 57.03 | 74.00 | -16.97 | 40.69 | 10.78 | 38.96 | 33.40 | 154 | 239 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11590.60 | 44.50 | 54.00 | -9.50 | 28.18 | 10.76 | 38.95 | 33.39 | 160 | 318 | Average | VERTICAL |
| 2 | 11599.10 | 56.23 | 74.00 | -17.77 | 39.90 | 10.78 | 38.95 | 33.40 | 160 | 318 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15649.70 | 58.85 | 74.00 | -15.15 | 42.12 | 12.58 | 37.95 | 33.80 | 156 | 213 | Peak | HORIZONTAL |
| 2 | 15653.20 | 46.33 | 54.00 | -7.67 | 29.63 | 12.58 | 37.95 | 33.83 | 156 | 213 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15620.00 | 59.35 | 74.00 | -14.65 | 42.54 | 12.58 | 38.01 | 33.78 | 148 | 117 | Peak | VERTICAL |
| 2 | 15651.40 | 46.30 | 54.00 | -7.70 | 29.60 | 12.58 | 37.95 | 33.83 | 148 | 117 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|-------|----------------|---------------|-------|---------|------------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15867.70 | 59.78 | 74.00 | -14.22 | 43.65 | 12.57 | 37.59 | 34.03 | 151 | 180 | Peak | HORIZONTAL | |
| 2 | 15889.00 | 47.43 | 54.00 | -6.57 | 31.34 | 12.57 | 37.57 | 34.05 | 151 | 180 | Average | HORIZONTAL | |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|-------|----------------|---------------|-------|---------|----------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15890.00 | 47.29 | 54.00 | -6.71 | 31.20 | 12.57 | 37.57 | 34.05 | 157 | 239 | Average | VERTICAL | |
| 2 | 15890.50 | 60.30 | 74.00 | -13.70 | 44.21 | 12.57 | 37.57 | 34.05 | 157 | 239 | Peak | VERTICAL | |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|------------|-------|----------------|-----|---------------|---------|-------|------------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | | |
| 1 | 11047.50 | 55.48 | 74.00 | -18.52 | 39.84 | 10.57 | 38.45 | 33.38 | 157 | 171 | Peak | | HORIZONTAL | |
| 2 | 11079.70 | 43.06 | 54.00 | -10.94 | 27.38 | 10.58 | 38.48 | 33.38 | 157 | 171 | Average | | HORIZONTAL | |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|------------|-------|----------------|-----|---------------|---------|-------|----------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | | |
| 1 | 11051.10 | 43.23 | 54.00 | -10.77 | 27.59 | 10.57 | 38.45 | 33.38 | 147 | 235 | Average | | VERTICAL | |
| 2 | 11066.90 | 55.70 | 74.00 | -18.30 | 40.03 | 10.58 | 38.47 | 33.38 | 147 | 235 | Peak | | VERTICAL | |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11214.50 | 55.04 | 74.00 | -18.96 | 39.17 | 10.63 | 38.62 | 33.38 | 140 | 243 | Peak | HORIZONTAL |
| 2 | 11240.50 | 43.32 | 54.00 | -10.68 | 27.43 | 10.64 | 38.63 | 33.38 | 140 | 243 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11239.60 | 43.06 | 54.00 | -10.94 | 27.17 | 10.64 | 38.63 | 33.38 | 168 | 155 | Average | VERTICAL |
| 2 | 11240.10 | 55.48 | 74.00 | -18.52 | 39.59 | 10.64 | 38.63 | 33.38 | 168 | 155 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11554.10 | 56.68 | 74.00 | -17.32 | 40.38 | 10.75 | 38.93 | 33.38 | 168 | 185 | Peak | HORIZONTAL |
| 2 | 11566.50 | 43.82 | 54.00 | -10.18 | 27.51 | 10.75 | 38.94 | 33.38 | 168 | 185 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11549.70 | 43.78 | 54.00 | -10.22 | 27.48 | 10.75 | 38.93 | 33.38 | 153 | 265 | Average | VERTICAL |
| 2 | 11573.70 | 57.35 | 74.00 | -16.65 | 41.04 | 10.76 | 38.94 | 33.39 | 153 | 265 | Peak | VERTICAL |



Straddle Channel

| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11438.80 | 66.05 | 74.00 | -7.95 | 49.90 | 10.69 | 38.83 | 33.37 | 188 | 45 | Peak | HORIZONTAL |
| 2 | 11439.30 | 51.83 | 54.00 | -2.17 | 35.68 | 10.69 | 38.83 | 33.37 | 188 | 45 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11437.10 | 52.73 | 54.00 | -1.27 | 36.58 | 10.69 | 38.83 | 33.37 | 136 | 190 | Average | VERTICAL |
| 2 | 11439.00 | 67.67 | 74.00 | -6.33 | 51.52 | 10.69 | 38.83 | 33.37 | 136 | 190 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11420.00 | 63.05 | 74.00 | -10.95 | 46.91 | 10.69 | 38.82 | 33.37 | 151 | 30 | Peak | HORIZONTAL |
| 2 | 11423.30 | 48.71 | 54.00 | -5.29 | 32.57 | 10.69 | 38.82 | 33.37 | 151 | 30 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11423.50 | 50.43 | 54.00 | -3.57 | 34.29 | 10.69 | 38.82 | 33.37 | 157 | 203 | Average | VERTICAL |
| 2 | 11425.20 | 65.60 | 74.00 | -8.40 | 49.46 | 10.69 | 38.82 | 33.37 | 157 | 203 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 |
| Test Date | Aug. 07, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 11393.90 | 45.02 | 54.00 | -8.98 | 28.92 | 10.69 | 38.78 | 33.37 | 232 | 126 | Average | HORIZONTAL |
| 2 | 11394.60 | 57.64 | 74.00 | -16.36 | 41.54 | 10.69 | 38.78 | 33.37 | 232 | 126 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 11396.80 | 59.78 | 74.00 | -14.22 | 43.66 | 10.69 | 38.80 | 33.37 | 212 | 46 | Peak | VERTICAL |
| 2 | 11397.70 | 46.40 | 54.00 | -7.60 | 30.28 | 10.69 | 38.80 | 33.37 | 212 | 46 | Average | VERTICAL |

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15539.10 | 58.60 | 74.00 | -15.40 | 41.58 | 12.58 | 38.14 | 33.70 | 200 | 127 | Peak | HORIZONTAL |
| 2 | 15540.18 | 46.01 | 54.00 | -7.99 | 28.99 | 12.58 | 38.14 | 33.70 | 200 | 127 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15540.06 | 47.04 | 54.00 | -6.96 | 30.02 | 12.58 | 38.14 | 33.70 | 175 | 160 | Average | VERTICAL |
| 2 | 15542.32 | 60.03 | 74.00 | -13.97 | 43.01 | 12.58 | 38.14 | 33.70 | 175 | 160 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15597.36 | 59.42 | 74.00 | -14.58 | 42.56 | 12.58 | 38.03 | 33.75 | 200 | 206 | Peak | HORIZONTAL |
| 2 | 15600.96 | 46.21 | 54.00 | -7.79 | 29.38 | 12.58 | 38.03 | 33.78 | 200 | 206 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15603.08 | 60.85 | 74.00 | -13.15 | 44.02 | 12.58 | 38.03 | 33.78 | 175 | 311 | Peak | VERTICAL |
| 2 | 15603.72 | 48.98 | 54.00 | -5.02 | 32.15 | 12.58 | 38.03 | 33.78 | 175 | 311 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15718.44 | 47.08 | 54.00 | -6.92 | 30.55 | 12.57 | 37.84 | 33.88 | 200 | 175 | Average | HORIZONTAL |
| 2 | 15718.48 | 59.97 | 74.00 | -14.03 | 43.44 | 12.57 | 37.84 | 33.88 | 200 | 175 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15718.10 | 47.99 | 54.00 | -6.01 | 31.46 | 12.57 | 37.84 | 33.88 | 175 | 45 | Average | VERTICAL |
| 2 | 15720.60 | 61.22 | 74.00 | -12.78 | 44.69 | 12.57 | 37.84 | 33.88 | 175 | 45 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|------------|-------|----------------|-----|---------------|---------|-------|------------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | | |
| 1 | 15779.86 | 60.21 | 74.00 | -13.79 | 43.83 | 12.57 | 37.76 | 33.95 | 200 | 262 | Peak | | HORIZONTAL | |
| 2 | 15784.08 | 47.87 | 54.00 | -6.13 | 31.52 | 12.57 | 37.73 | 33.95 | 200 | 262 | Average | | HORIZONTAL | |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|------------|-------|----------------|-----|---------------|---------|-------|----------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | | |
| 1 | 15777.28 | 48.52 | 54.00 | -5.48 | 32.14 | 12.57 | 37.76 | 33.95 | 175 | 22 | Average | | VERTICAL | |
| 2 | 15782.44 | 61.87 | 74.00 | -12.13 | 45.52 | 12.57 | 37.73 | 33.95 | 175 | 22 | Peak | | VERTICAL | |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10595.56 | 55.26 | 74.00 | -18.74 | 40.33 | 10.16 | 38.40 | 33.63 | 200 | 328 | Peak | HORIZONTAL |
| 2 | 10596.42 | 41.98 | 54.00 | -12.02 | 27.05 | 10.16 | 38.40 | 33.63 | 200 | 328 | Average | HORIZONTAL |
| 3 | 15902.72 | 60.27 | 74.00 | -13.73 | 44.21 | 12.57 | 37.54 | 34.05 | 203 | 315 | Peak | HORIZONTAL |
| 4 | 15903.42 | 47.20 | 54.00 | -6.80 | 31.14 | 12.57 | 37.54 | 34.05 | 203 | 315 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10600.00 | 55.31 | 74.00 | -18.69 | 40.38 | 10.16 | 38.40 | 33.63 | 175 | 26 | Peak | VERTICAL |
| 2 | 10600.94 | 42.37 | 54.00 | -11.63 | 27.40 | 10.19 | 38.40 | 33.62 | 175 | 26 | Average | VERTICAL |
| 3 | 15900.00 | 48.09 | 54.00 | -5.91 | 32.00 | 12.57 | 37.57 | 34.05 | 191 | 273 | Average | VERTICAL |
| 4 | 15902.66 | 60.11 | 74.00 | -13.89 | 44.05 | 12.57 | 37.54 | 34.05 | 191 | 273 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 10637.62 | 41.50 | 54.00 | -12.50 | 26.49 | 10.21 | 38.40 | 33.60 | 200 | 321 | Average | HORIZONTAL |
| 2 | 10643.72 | 54.70 | 74.00 | -19.30 | 39.69 | 10.21 | 38.40 | 33.60 | 200 | 321 | Peak | HORIZONTAL |
| 3 | 15957.78 | 46.27 | 54.00 | -7.73 | 30.38 | 12.56 | 37.46 | 34.13 | 195 | 84 | Average | HORIZONTAL |
| 4 | 15962.46 | 60.19 | 74.00 | -13.81 | 44.30 | 12.56 | 37.46 | 34.13 | 195 | 84 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 10638.32 | 55.08 | 74.00 | -18.92 | 40.07 | 10.21 | 38.40 | 33.60 | 175 | 302 | Peak | VERTICAL |
| 2 | 10643.84 | 41.91 | 54.00 | -12.09 | 26.90 | 10.21 | 38.40 | 33.60 | 175 | 302 | Average | VERTICAL |
| 3 | 15958.02 | 46.87 | 54.00 | -7.13 | 30.98 | 12.56 | 37.46 | 34.13 | 175 | 136 | Average | VERTICAL |
| 4 | 15958.02 | 59.55 | 74.00 | -14.45 | 43.66 | 12.56 | 37.46 | 34.13 | 175 | 136 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 10995.68 | 42.74 | 54.00 | -11.26 | 27.17 | 10.55 | 38.40 | 33.38 | 200 | 324 | Average | HORIZONTAL |
| 2 | 11000.92 | 55.77 | 74.00 | -18.23 | 40.20 | 10.55 | 38.40 | 33.38 | 200 | 324 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 10995.82 | 43.73 | 54.00 | -10.27 | 28.16 | 10.55 | 38.40 | 33.38 | 175 | 285 | Average | VERTICAL |
| 2 | 10997.54 | 56.64 | 74.00 | -17.36 | 41.07 | 10.55 | 38.40 | 33.38 | 175 | 285 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11143.50 | 60.72 | 74.00 | -13.28 | 44.95 | 10.60 | 38.55 | 33.38 | 196 | 138 | Peak | HORIZONTAL |
| 2 | 11145.90 | 48.83 | 54.00 | -5.17 | 33.06 | 10.60 | 38.55 | 33.38 | 196 | 138 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11164.70 | 62.20 | 74.00 | -11.80 | 46.40 | 10.61 | 38.57 | 33.38 | 188 | 164 | Peak | VERTICAL |
| 2 | 11167.30 | 49.67 | 54.00 | -4.33 | 33.87 | 10.61 | 38.57 | 33.38 | 188 | 164 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11397.10 | 57.99 | 74.00 | -16.01 | 41.87 | 10.69 | 38.80 | 33.37 | 200 | 298 | Peak | HORIZONTAL |
| 2 | 11403.40 | 44.88 | 54.00 | -9.12 | 28.76 | 10.69 | 38.80 | 33.37 | 200 | 298 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11400.10 | 45.31 | 54.00 | -8.69 | 29.19 | 10.69 | 38.80 | 33.37 | 170 | 187 | Average | VERTICAL |
| 2 | 11407.80 | 58.79 | 74.00 | -15.21 | 42.67 | 10.69 | 38.80 | 33.37 | 170 | 187 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11489.40 | 43.10 | 54.00 | -10.90 | 26.88 | 10.71 | 38.88 | 33.37 | 200 | 85 | Average | HORIZONTAL |
| 2 | 11510.40 | 56.14 | 74.00 | -17.86 | 39.89 | 10.72 | 38.90 | 33.37 | 200 | 85 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11483.40 | 56.73 | 74.00 | -17.27 | 40.51 | 10.71 | 38.88 | 33.37 | 175 | 303 | Peak | VERTICAL |
| 2 | 11492.50 | 44.04 | 54.00 | -9.96 | 27.82 | 10.71 | 38.88 | 33.37 | 175 | 303 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11570.70 | 48.95 | 54.00 | -5.05 | 32.64 | 10.76 | 38.94 | 33.39 | 218 | 328 | Average | HORIZONTAL |
| 2 | 11572.00 | 61.20 | 74.00 | -12.80 | 44.89 | 10.76 | 38.94 | 33.39 | 218 | 328 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11580.70 | 62.62 | 74.00 | -11.38 | 46.31 | 10.76 | 38.94 | 33.39 | 173 | 182 | Peak | VERTICAL |
| 2 | 11581.50 | 49.89 | 54.00 | -4.11 | 33.58 | 10.76 | 38.94 | 33.39 | 173 | 182 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11646.00 | 44.40 | 54.00 | -9.60 | 28.03 | 10.79 | 38.98 | 33.40 | 200 | 218 | Average | HORIZONTAL |
| 2 | 11656.28 | 57.09 | 74.00 | -16.91 | 40.70 | 10.81 | 38.99 | 33.41 | 200 | 218 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11649.92 | 44.43 | 54.00 | -9.57 | 28.05 | 10.81 | 38.98 | 33.41 | 175 | 37 | Average | VERTICAL |
| 2 | 11650.92 | 56.81 | 74.00 | -17.19 | 40.42 | 10.81 | 38.99 | 33.41 | 175 | 37 | Peak | VERTICAL |



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15565.08 | 59.38 | 74.00 | -14.62 | 42.44 | 12.58 | 38.09 | 33.73 | 200 | 213 | Peak | HORIZONTAL |
| 2 | 15578.52 | 45.94 | 54.00 | -8.06 | 29.05 | 12.58 | 38.06 | 33.75 | 200 | 213 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15569.08 | 59.19 | 74.00 | -14.81 | 42.25 | 12.58 | 38.09 | 33.73 | 175 | 12 | Peak | VERTICAL |
| 2 | 15579.52 | 45.96 | 54.00 | -8.04 | 29.07 | 12.58 | 38.06 | 33.75 | 175 | 12 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| | Freq | Limit Level | Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|-------------|--------|------------|------------|------------|----------------|---------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15688.34 | 60.18 | 74.00 | -13.82 | 43.55 | 12.58 | 37.90 | 33.85 | 200 | 176 | Peak | HORIZONTAL |
| 2 | 15690.34 | 46.83 | 54.00 | -7.17 | 30.20 | 12.58 | 37.90 | 33.85 | 200 | 176 | Average | HORIZONTAL |

Vertical

| | Freq | Limit Level | Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|-------------|--------|------------|------------|------------|----------------|---------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15690.26 | 47.28 | 54.00 | -6.72 | 30.65 | 12.58 | 37.90 | 33.85 | 175 | 324 | Average | VERTICAL |
| 2 | 15690.48 | 59.97 | 74.00 | -14.03 | 43.34 | 12.58 | 37.90 | 33.85 | 175 | 324 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15811.66 | 47.49 | 54.00 | -6.51 | 31.20 | 12.57 | 37.70 | 33.98 | 200 | 146 | Average | HORIZONTAL |
| 2 | 15811.92 | 59.90 | 74.00 | -14.10 | 43.61 | 12.57 | 37.70 | 33.98 | 200 | 146 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15807.64 | 47.55 | 54.00 | -6.45 | 31.26 | 12.57 | 37.70 | 33.98 | 175 | 17 | Average | VERTICAL |
| 2 | 15810.28 | 60.85 | 74.00 | -13.15 | 44.56 | 12.57 | 37.70 | 33.98 | 175 | 17 | Peak | VERTICAL |



SPORTON LAB.

Report No.: FR441804-21AB

| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 10610.24 | 41.76 | 54.00 | -12.24 | 26.79 | 10.19 | 38.40 | 33.62 | 200 | 235 | Average | HORIZONTAL |
| 2 | 10617.52 | 55.24 | 74.00 | -18.76 | 40.27 | 10.19 | 38.40 | 33.62 | 200 | 235 | Peak | HORIZONTAL |
| 3 | 15922.32 | 46.83 | 54.00 | -7.17 | 30.84 | 12.56 | 37.51 | 34.08 | 200 | 333 | Average | HORIZONTAL |
| 4 | 15935.64 | 59.12 | 74.00 | -14.88 | 43.18 | 12.56 | 37.48 | 34.10 | 200 | 333 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 10614.24 | 41.90 | 54.00 | -12.10 | 26.93 | 10.19 | 38.40 | 33.62 | 175 | 139 | Average | VERTICAL |
| 2 | 10625.76 | 54.00 | 74.00 | -20.00 | 39.03 | 10.19 | 38.40 | 33.62 | 175 | 139 | Peak | VERTICAL |
| 3 | 15920.52 | 46.88 | 54.00 | -7.12 | 30.89 | 12.56 | 37.51 | 34.08 | 175 | 264 | Average | VERTICAL |
| 4 | 15925.12 | 59.86 | 74.00 | -14.14 | 43.87 | 12.56 | 37.51 | 34.08 | 175 | 264 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11016.76 | 56.28 | 74.00 | -17.72 | 40.68 | 10.56 | 38.42 | 33.38 | 200 | 236 | Peak | HORIZONTAL |
| 2 | 11021.64 | 42.99 | 54.00 | -11.01 | 27.38 | 10.56 | 38.43 | 33.38 | 200 | 236 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11026.12 | 57.23 | 74.00 | -16.77 | 41.62 | 10.56 | 38.43 | 33.38 | 175 | 337 | Peak | VERTICAL |
| 2 | 11027.84 | 44.15 | 54.00 | -9.85 | 28.54 | 10.56 | 38.43 | 33.38 | 175 | 337 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11100.28 | 43.39 | 54.00 | -10.61 | 27.69 | 10.58 | 38.50 | 33.38 | 200 | 241 | Average | HORIZONTAL |
| 2 | 11102.08 | 56.62 | 74.00 | -17.38 | 40.92 | 10.58 | 38.50 | 33.38 | 200 | 241 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11100.96 | 44.37 | 54.00 | -9.63 | 28.67 | 10.58 | 38.50 | 33.38 | 175 | 139 | Average | VERTICAL |
| 2 | 11101.04 | 58.28 | 74.00 | -15.72 | 42.58 | 10.58 | 38.50 | 33.38 | 175 | 139 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 11332.64 | 56.19 | 74.00 | -17.81 | 40.17 | 10.66 | 38.73 | 33.37 | 200 | 49 | Peak | HORIZONTAL |
| 2 | 11344.12 | 43.48 | 54.00 | -10.52 | 27.45 | 10.67 | 38.73 | 33.37 | 200 | 49 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 11344.04 | 57.01 | 74.00 | -16.99 | 40.98 | 10.67 | 38.73 | 33.37 | 175 | 100 | Peak | VERTICAL |
| 2 | 11347.72 | 44.53 | 54.00 | -9.47 | 28.48 | 10.67 | 38.75 | 33.37 | 175 | 100 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11508.60 | 43.92 | 54.00 | -10.08 | 27.67 | 10.72 | 38.90 | 33.37 | 200 | 313 | Average | HORIZONTAL |
| 2 | 11513.14 | 57.05 | 74.00 | -16.95 | 40.80 | 10.72 | 38.90 | 33.37 | 200 | 313 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11505.36 | 44.02 | 54.00 | -9.98 | 27.77 | 10.72 | 38.90 | 33.37 | 175 | 117 | Average | VERTICAL |
| 2 | 11505.98 | 56.84 | 74.00 | -17.16 | 40.59 | 10.72 | 38.90 | 33.37 | 175 | 117 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11587.76 | 44.51 | 54.00 | -9.49 | 28.19 | 10.76 | 38.95 | 33.39 | 200 | 216 | Average | HORIZONTAL |
| 2 | 11592.16 | 58.20 | 74.00 | -15.80 | 41.88 | 10.76 | 38.95 | 33.39 | 200 | 216 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11587.26 | 58.25 | 74.00 | -15.75 | 41.93 | 10.76 | 38.95 | 33.39 | 175 | 73 | Peak | VERTICAL |
| 2 | 11589.90 | 45.13 | 54.00 | -8.87 | 28.81 | 10.76 | 38.95 | 33.39 | 175 | 73 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|-------|----------------|---------------|-------|---------|------------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15628.66 | 59.81 | 74.00 | -14.19 | 43.05 | 12.58 | 37.98 | 33.80 | 200 | 244 | Peak | HORIZONTAL | |
| 2 | 15629.24 | 46.96 | 54.00 | -7.04 | 30.20 | 12.58 | 37.98 | 33.80 | 200 | 244 | Average | HORIZONTAL | |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|-------|----------------|---------------|-------|---------|----------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15633.76 | 47.14 | 54.00 | -6.86 | 30.38 | 12.58 | 37.98 | 33.80 | 175 | 332 | Average | VERTICAL | |
| 2 | 15634.58 | 60.19 | 74.00 | -13.81 | 43.43 | 12.58 | 37.98 | 33.80 | 175 | 332 | Peak | VERTICAL | |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15870.60 | 46.90 | 54.00 | -7.10 | 30.77 | 12.57 | 37.59 | 34.03 | 200 | 194 | Average | HORIZONTAL |
| 2 | 15873.70 | 59.87 | 74.00 | -14.13 | 43.74 | 12.57 | 37.59 | 34.03 | 200 | 194 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15870.54 | 47.95 | 54.00 | -6.05 | 31.82 | 12.57 | 37.59 | 34.03 | 175 | 335 | Average | VERTICAL |
| 2 | 15872.38 | 60.75 | 74.00 | -13.25 | 44.62 | 12.57 | 37.59 | 34.03 | 175 | 335 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|------------|-------|----------------|-----|---------------|---------|-------|------------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | | |
| 1 | 11056.44 | 56.45 | 74.00 | -17.55 | 40.79 | 10.57 | 38.47 | 33.38 | 200 | 213 | Peak | | HORIZONTAL | |
| 2 | 11058.90 | 43.60 | 54.00 | -10.40 | 27.94 | 10.57 | 38.47 | 33.38 | 200 | 213 | Average | | HORIZONTAL | |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|------------|-------|----------------|-----|---------------|---------|-------|----------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | | |
| 1 | 11055.72 | 43.85 | 54.00 | -10.15 | 28.19 | 10.57 | 38.47 | 33.38 | 175 | 72 | Average | | VERTICAL | |
| 2 | 11061.98 | 56.87 | 74.00 | -17.13 | 41.20 | 10.58 | 38.47 | 33.38 | 175 | 72 | Peak | | VERTICAL | |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11222.52 | 43.13 | 54.00 | -10.87 | 27.26 | 10.63 | 38.62 | 33.38 | 200 | 271 | Average | HORIZONTAL |
| 2 | 11222.68 | 56.14 | 74.00 | -17.86 | 40.27 | 10.63 | 38.62 | 33.38 | 200 | 271 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11215.54 | 56.97 | 74.00 | -17.03 | 41.10 | 10.63 | 38.62 | 33.38 | 175 | 340 | Peak | VERTICAL |
| 2 | 11218.18 | 44.45 | 54.00 | -9.55 | 28.58 | 10.63 | 38.62 | 33.38 | 175 | 340 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11548.48 | 57.32 | 74.00 | -16.68 | 41.03 | 10.75 | 38.92 | 33.38 | 200 | 65 | Peak | HORIZONTAL |
| 2 | 11552.48 | 44.65 | 54.00 | -9.35 | 28.35 | 10.75 | 38.93 | 33.38 | 200 | 65 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11548.48 | 57.32 | 74.00 | -16.68 | 41.03 | 10.75 | 38.92 | 33.38 | 200 | 65 | Peak | HORIZONTAL |
| 2 | 11552.48 | 44.65 | 54.00 | -9.35 | 28.35 | 10.75 | 38.93 | 33.38 | 200 | 65 | Average | HORIZONTAL |

**Straddle Channel**

| | | | |
|----------------------|--|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11439.40 | 51.82 | 54.00 | -2.18 | 35.67 | 10.69 | 38.83 | 33.37 | 205 | 20 | Average | HORIZONTAL |
| 2 | 11440.30 | 63.95 | 74.00 | -10.05 | 47.80 | 10.69 | 38.83 | 33.37 | 205 | 20 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11438.20 | 64.51 | 74.00 | -9.49 | 48.36 | 10.69 | 38.83 | 33.37 | 137 | 185 | Peak | VERTICAL |
| 2 | 11439.00 | 52.28 | 54.00 | -1.72 | 36.13 | 10.69 | 38.83 | 33.37 | 137 | 185 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11420.04 | 60.91 | 74.00 | -13.09 | 44.77 | 10.69 | 38.82 | 33.37 | 200 | 308 | Peak | HORIZONTAL |
| 2 | 11421.12 | 46.33 | 54.00 | -7.67 | 30.19 | 10.69 | 38.82 | 33.37 | 200 | 308 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11415.44 | 47.60 | 54.00 | -6.40 | 31.46 | 10.69 | 38.82 | 33.37 | 175 | 184 | Average | VERTICAL |
| 2 | 11419.84 | 62.50 | 74.00 | -11.50 | 46.36 | 10.69 | 38.82 | 33.37 | 175 | 184 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 10, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11377.18 | 45.08 | 54.00 | -8.92 | 29.00 | 10.68 | 38.77 | 33.37 | 200 | 139 | Average | HORIZONTAL |
| 2 | 11379.86 | 59.57 | 74.00 | -14.43 | 43.48 | 10.68 | 38.78 | 33.37 | 200 | 139 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11380.34 | 45.67 | 54.00 | -8.33 | 29.58 | 10.68 | 38.78 | 33.37 | 175 | 242 | Average | VERTICAL |
| 2 | 11384.82 | 57.27 | 74.00 | -16.73 | 41.18 | 10.68 | 38.78 | 33.37 | 175 | 242 | Peak | VERTICAL |

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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



<For STBC Mode>

| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15536.51 | 57.63 | 74.00 | -16.37 | 40.61 | 12.58 | 38.14 | 33.70 | 170 | 151 | Peak | HORIZONTAL |
| 2 | 15540.37 | 44.53 | 54.00 | -9.47 | 27.51 | 12.58 | 38.14 | 33.70 | 170 | 151 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15538.43 | 57.93 | 74.00 | -16.07 | 40.91 | 12.58 | 38.14 | 33.70 | 162 | 269 | Peak | VERTICAL |
| 2 | 15541.44 | 44.51 | 54.00 | -9.49 | 27.49 | 12.58 | 38.14 | 33.70 | 162 | 269 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | | | |
| 1 | 15603.04 | 46.12 | 54.00 | -7.88 | 29.29 | 12.58 | 38.03 | 33.78 | 171 | 41 | Average | HORIZONTAL |
| 2 | 15604.09 | 58.11 | 74.00 | -15.89 | 41.28 | 12.58 | 38.03 | 33.78 | 171 | 41 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | | | |
| 1 | 15598.64 | 46.11 | 54.00 | -7.89 | 29.25 | 12.58 | 38.03 | 33.75 | 211 | 167 | Average | VERTICAL |
| 2 | 15612.74 | 57.77 | 74.00 | -16.23 | 40.96 | 12.58 | 38.01 | 33.78 | 211 | 167 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | | | |
| 1 | 15708.14 | 44.64 | 54.00 | -9.36 | 28.08 | 12.57 | 37.87 | 33.88 | 152 | 262 | Average | HORIZONTAL |
| 2 | 15733.86 | 57.10 | 74.00 | -16.90 | 40.62 | 12.57 | 37.81 | 33.90 | 152 | 262 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | | | |
| 1 | 15696.92 | 45.02 | 54.00 | -8.98 | 28.42 | 12.58 | 37.87 | 33.85 | 170 | 214 | Average | VERTICAL |
| 2 | 15725.13 | 57.53 | 74.00 | -16.47 | 41.00 | 12.57 | 37.84 | 33.88 | 170 | 214 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15775.03 | 66.07 | 74.00 | -7.93 | 49.67 | 12.57 | 37.76 | 33.93 | 171 | 192 | Peak | HORIZONTAL |
| 2 | 15779.04 | 52.01 | 54.00 | -1.99 | 35.63 | 12.57 | 37.76 | 33.95 | 171 | 192 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15779.84 | 49.48 | 54.00 | -4.52 | 33.10 | 12.57 | 37.76 | 33.95 | 146 | 195 | Average | VERTICAL |
| 2 | 15779.92 | 61.33 | 74.00 | -12.67 | 44.95 | 12.57 | 37.76 | 33.95 | 146 | 195 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | | | |
| 1 | 15897.08 | 44.08 | 54.00 | -9.92 | 27.99 | 12.57 | 37.57 | 34.05 | 171 | 191 | Average | HORIZONTAL |
| 2 | 15901.91 | 56.87 | 74.00 | -17.13 | 40.81 | 12.57 | 37.54 | 34.05 | 171 | 191 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | | | |
| 1 | 15895.74 | 44.18 | 54.00 | -9.82 | 28.09 | 12.57 | 37.57 | 34.05 | 176 | 231 | Average | VERTICAL |
| 2 | 15902.15 | 57.36 | 74.00 | -16.64 | 41.30 | 12.57 | 37.54 | 34.05 | 176 | 231 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15957.34 | 43.71 | 54.00 | -10.29 | 27.82 | 12.56 | 37.46 | 34.13 | 175 | 131 | Average | HORIZONTAL |
| 2 | 15962.58 | 57.05 | 74.00 | -16.95 | 41.16 | 12.56 | 37.46 | 34.13 | 175 | 131 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15958.54 | 43.91 | 54.00 | -10.09 | 28.02 | 12.56 | 37.46 | 34.13 | 177 | 167 | Average | VERTICAL |
| 2 | 15962.74 | 56.87 | 74.00 | -17.13 | 40.98 | 12.56 | 37.46 | 34.13 | 177 | 167 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | | |
| 1 | 10995.53 | 42.45 | 54.00 | -11.55 | 26.88 | 10.55 | 38.40 | 33.38 | 195 | 264 | Average | HORIZONTAL |
| 2 | 11000.11 | 55.73 | 74.00 | -18.27 | 40.16 | 10.55 | 38.40 | 33.38 | 195 | 264 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | | |
| 1 | 10995.34 | 42.36 | 54.00 | -11.64 | 26.79 | 10.55 | 38.40 | 33.38 | 191 | 224 | Average | VERTICAL |
| 2 | 11001.94 | 55.88 | 74.00 | -18.12 | 40.31 | 10.55 | 38.40 | 33.38 | 191 | 224 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 11159.44 | 45.60 | 54.00 | -8.40 | 29.81 | 10.60 | 38.57 | 33.38 | 199 | 188 | Average | HORIZONTAL |
| 2 | 11161.76 | 57.16 | 74.00 | -16.84 | 41.36 | 10.61 | 38.57 | 33.38 | 199 | 188 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 11153.11 | 55.48 | 74.00 | -18.52 | 39.71 | 10.60 | 38.55 | 33.38 | 203 | 98 | Peak | VERTICAL |
| 2 | 11160.48 | 43.27 | 54.00 | -10.73 | 27.48 | 10.60 | 38.57 | 33.38 | 203 | 98 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11397.48 | 43.05 | 54.00 | -10.95 | 26.93 | 10.69 | 38.80 | 33.37 | 168 | 220 | Average | HORIZONTAL |
| 2 | 11402.04 | 57.33 | 74.00 | -16.67 | 41.21 | 10.69 | 38.80 | 33.37 | 168 | 220 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11398.70 | 43.02 | 54.00 | -10.98 | 26.90 | 10.69 | 38.80 | 33.37 | 172 | 160 | Average | VERTICAL |
| 2 | 11403.62 | 56.26 | 74.00 | -17.74 | 40.14 | 10.69 | 38.80 | 33.37 | 172 | 160 | Peak | VERTICAL |



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| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 11487.16 | 56.30 | 74.00 | -17.70 | 40.08 | 10.71 | 38.88 | 33.37 | 162 | 130 Peak | HORIZONTAL |
| 2 | 11493.72 | 42.63 | 54.00 | -11.37 | 26.40 | 10.72 | 38.88 | 33.37 | 162 | 130 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 11485.14 | 42.92 | 54.00 | -11.08 | 26.70 | 10.71 | 38.88 | 33.37 | 172 | 104 Average | VERTICAL |
| 2 | 11490.61 | 55.73 | 74.00 | -18.27 | 39.51 | 10.71 | 38.88 | 33.37 | 172 | 104 Peak | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | | |
| 1 | 11570.64 | 47.93 | 54.00 | -6.07 | 31.62 | 10.76 | 38.94 | 33.39 | 209 | 189 | Average | HORIZONTAL |
| 2 | 11571.52 | 60.74 | 74.00 | -13.26 | 44.43 | 10.76 | 38.94 | 33.39 | 209 | 189 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | | |
| 1 | 11570.72 | 46.39 | 54.00 | -7.61 | 30.08 | 10.76 | 38.94 | 33.39 | 213 | 176 | Average | VERTICAL |
| 2 | 11572.24 | 57.72 | 74.00 | -16.28 | 41.41 | 10.76 | 38.94 | 33.39 | 213 | 176 | Peak | VERTICAL |



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Report No.: FR441804-21AB

| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11648.29 | 57.36 | 74.00 | -16.64 | 40.98 | 10.81 | 38.98 | 33.41 | 185 | 173 Peak | HORIZONTAL |
| 2 | 11650.14 | 42.97 | 54.00 | -11.03 | 26.59 | 10.81 | 38.98 | 33.41 | 185 | 173 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11648.03 | 43.04 | 54.00 | -10.96 | 26.66 | 10.81 | 38.98 | 33.41 | 178 | 218 Average | VERTICAL |
| 2 | 11649.34 | 55.99 | 74.00 | -18.01 | 39.61 | 10.81 | 38.98 | 33.41 | 178 | 218 Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 15569.51 | 57.87 | 74.00 | -16.13 | 40.93 | 12.58 | 38.09 | 33.73 | 133 | 295 | Peak | HORIZONTAL |
| 2 | 15572.35 | 44.36 | 54.00 | -9.64 | 27.42 | 12.58 | 38.09 | 33.73 | 133 | 295 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 15569.19 | 44.31 | 54.00 | -9.69 | 27.37 | 12.58 | 38.09 | 33.73 | 192 | 148 | Average | VERTICAL |
| 2 | 15570.38 | 57.43 | 74.00 | -16.57 | 40.49 | 12.58 | 38.09 | 33.73 | 192 | 148 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15689.10 | 57.76 | 74.00 | -16.24 | 41.13 | 12.58 | 37.90 | 33.85 | 157 | 225 | Peak | HORIZONTAL |
| 2 | 15691.19 | 44.50 | 54.00 | -9.50 | 27.87 | 12.58 | 37.90 | 33.85 | 157 | 225 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15687.92 | 44.38 | 54.00 | -9.62 | 27.75 | 12.58 | 37.90 | 33.85 | 134 | 195 | Average | VERTICAL |
| 2 | 15691.42 | 58.03 | 74.00 | -15.97 | 41.40 | 12.58 | 37.90 | 33.85 | 134 | 195 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15811.21 | 56.67 | 74.00 | -17.33 | 40.38 | 12.57 | 37.70 | 33.98 | 150 | 94 | Peak | HORIZONTAL |
| 2 | 15811.58 | 43.95 | 54.00 | -10.05 | 27.66 | 12.57 | 37.70 | 33.98 | 150 | 94 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15810.90 | 57.24 | 74.00 | -16.76 | 40.95 | 12.57 | 37.70 | 33.98 | 137 | 156 | Peak | VERTICAL |
| 2 | 15811.42 | 43.68 | 54.00 | -10.32 | 27.39 | 12.57 | 37.70 | 33.98 | 137 | 156 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15928.29 | 56.68 | 74.00 | -17.32 | 40.69 | 12.56 | 37.51 | 34.08 | 167 | 77 | Peak | HORIZONTAL |
| 2 | 15928.73 | 43.48 | 54.00 | -10.52 | 27.49 | 12.56 | 37.51 | 34.08 | 167 | 77 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15929.17 | 43.68 | 54.00 | -10.32 | 27.69 | 12.56 | 37.51 | 34.08 | 170 | 227 | Average | VERTICAL |
| 2 | 15931.86 | 57.23 | 74.00 | -16.77 | 41.26 | 12.56 | 37.51 | 34.10 | 170 | 227 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11016.12 | 54.93 | 74.00 | -19.07 | 39.33 | 10.56 | 38.42 | 33.38 | 140 | 180 Peak | HORIZONTAL |
| 2 | 11017.98 | 42.41 | 54.00 | -11.59 | 26.81 | 10.56 | 38.42 | 33.38 | 140 | 180 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11023.65 | 55.38 | 74.00 | -18.62 | 39.77 | 10.56 | 38.43 | 33.38 | 154 | 203 Peak | VERTICAL |
| 2 | 11024.18 | 42.46 | 54.00 | -11.54 | 26.85 | 10.56 | 38.43 | 33.38 | 154 | 203 Average | VERTICAL |



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| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11098.72 | 55.68 | 74.00 | -18.32 | 39.98 | 10.58 | 38.50 | 33.38 | 172 | 200 | Peak | HORIZONTAL |
| 2 | 11102.32 | 42.74 | 54.00 | -11.26 | 27.04 | 10.58 | 38.50 | 33.38 | 172 | 200 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11096.47 | 56.33 | 74.00 | -17.67 | 40.63 | 10.58 | 38.50 | 33.38 | 195 | 240 | Peak | VERTICAL |
| 2 | 11104.28 | 42.55 | 54.00 | -11.45 | 26.85 | 10.58 | 38.50 | 33.38 | 195 | 240 | Average | VERTICAL |



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| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11328.62 | 55.54 | 74.00 | -18.46 | 39.52 | 10.66 | 38.73 | 33.37 | 176 | 189 | Peak | HORIZONTAL |
| 2 | 11344.25 | 43.44 | 54.00 | -10.56 | 27.41 | 10.67 | 38.73 | 33.37 | 176 | 189 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11337.68 | 42.96 | 54.00 | -11.04 | 26.94 | 10.66 | 38.73 | 33.37 | 240 | 304 | Average | VERTICAL |
| 2 | 11343.96 | 56.32 | 74.00 | -17.68 | 40.29 | 10.67 | 38.73 | 33.37 | 240 | 304 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|------------|-------|----------------|-----|---------------|---------|------------|--------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | | |
| 1 | 11505.91 | 42.96 | 54.00 | -11.04 | 26.71 | 10.72 | 38.90 | 33.37 | 158 | 219 | Average | HORIZONTAL | | |
| 2 | 11511.68 | 56.34 | 74.00 | -17.66 | 40.09 | 10.72 | 38.90 | 33.37 | 158 | 219 | Peak | HORIZONTAL | | |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|------------|-------|----------------|-----|---------------|---------|----------|--------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | | |
| 1 | 11509.73 | 42.84 | 54.00 | -11.16 | 26.59 | 10.72 | 38.90 | 33.37 | 162 | 127 | Average | VERTICAL | | |
| 2 | 11514.04 | 56.20 | 74.00 | -17.80 | 39.95 | 10.72 | 38.90 | 33.37 | 162 | 127 | Peak | VERTICAL | | |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 11590.67 | 43.18 | 54.00 | -10.82 | 26.86 | 10.76 | 38.95 | 33.39 | 150 | 195 | Average | HORIZONTAL |
| 2 | 11592.87 | 55.99 | 74.00 | -18.01 | 39.67 | 10.76 | 38.95 | 33.39 | 150 | 195 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 11591.14 | 43.09 | 54.00 | -10.91 | 26.77 | 10.76 | 38.95 | 33.39 | 170 | 154 | Average | VERTICAL |
| 2 | 11593.70 | 57.32 | 74.00 | -16.68 | 41.00 | 10.76 | 38.95 | 33.39 | 170 | 154 | Peak | VERTICAL |



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| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|--------|--------------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 15629.18 | 58.21 | 74.00 | -15.79 | 41.45 | 12.58 | 37.98 | 33.80 | 148 | 254 | Peak HORIZONTAL |
| 2 | 15631.71 | 45.26 | 54.00 | -8.74 | 28.50 | 12.58 | 37.98 | 33.80 | 148 | 254 | Average HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|--------|------------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 15630.96 | 56.99 | 74.00 | -17.01 | 40.23 | 12.58 | 37.98 | 33.80 | 175 | 220 | Peak VERTICAL |
| 2 | 15632.82 | 44.66 | 54.00 | -9.34 | 27.90 | 12.58 | 37.98 | 33.80 | 175 | 220 | Average VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15867.53 | 56.83 | 74.00 | -17.17 | 40.70 | 12.57 | 37.59 | 34.03 | 164 | 70 | Peak | HORIZONTAL |
| 2 | 15874.29 | 44.68 | 54.00 | -9.32 | 28.55 | 12.57 | 37.59 | 34.03 | 164 | 70 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15867.71 | 51.76 | 74.00 | -22.24 | 35.63 | 12.57 | 37.59 | 34.03 | 158 | 152 | Peak | VERTICAL |
| 2 | 15873.09 | 44.44 | 54.00 | -9.56 | 28.31 | 12.57 | 37.59 | 34.03 | 158 | 152 | Average | VERTICAL |



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| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11058.96 | 42.49 | 54.00 | -11.51 | 26.83 | 10.57 | 38.47 | 33.38 | 165 | 199 | Average | HORIZONTAL |
| 2 | 11064.09 | 55.63 | 74.00 | -18.37 | 39.96 | 10.58 | 38.47 | 33.38 | 165 | 199 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11057.80 | 42.53 | 54.00 | -11.47 | 26.87 | 10.57 | 38.47 | 33.38 | 152 | 225 | Average | VERTICAL |
| 2 | 11058.24 | 55.58 | 74.00 | -18.42 | 39.92 | 10.57 | 38.47 | 33.38 | 152 | 225 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11223.86 | 56.95 | 74.00 | -17.05 | 41.08 | 10.63 | 38.62 | 33.38 | 147 | 149 Peak | HORIZONTAL |
| 2 | 11224.68 | 42.68 | 54.00 | -11.32 | 26.81 | 10.63 | 38.62 | 33.38 | 147 | 149 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11219.12 | 56.21 | 74.00 | -17.79 | 40.34 | 10.63 | 38.62 | 33.38 | 149 | 173 Peak | VERTICAL |
| 2 | 11224.70 | 42.60 | 54.00 | -11.40 | 26.73 | 10.63 | 38.62 | 33.38 | 149 | 173 Average | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | | | |
| 1 | 11547.50 | 43.15 | 54.00 | -10.85 | 26.86 | 10.75 | 38.92 | 33.38 | 144 | 298 | Average | HORIZONTAL |
| 2 | 11553.60 | 54.25 | 74.00 | -19.75 | 37.95 | 10.75 | 38.93 | 33.38 | 144 | 298 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | | | |
| 1 | 11549.31 | 42.95 | 54.00 | -11.05 | 26.65 | 10.75 | 38.93 | 33.38 | 100 | 247 | Average | VERTICAL |
| 2 | 11552.50 | 53.58 | 74.00 | -20.42 | 37.28 | 10.75 | 38.93 | 33.38 | 100 | 247 | Peak | VERTICAL |



Straddle Channel

| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11437.20 | 61.69 | 74.00 | -12.31 | 45.54 | 10.69 | 38.83 | 33.37 | 185 | 180 Peak | HORIZONTAL |
| 2 | 11440.40 | 49.74 | 54.00 | -4.26 | 33.59 | 10.69 | 38.83 | 33.37 | 185 | 180 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11438.96 | 62.54 | 74.00 | -11.46 | 46.39 | 10.69 | 38.83 | 33.37 | 196 | 149 Peak | VERTICAL |
| 2 | 11441.04 | 49.34 | 54.00 | -4.66 | 33.19 | 10.69 | 38.83 | 33.37 | 196 | 149 Average | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 11418.88 | 60.83 | 74.00 | -13.17 | 44.69 | 10.69 | 38.82 | 33.37 | 154 | 201 Peak | HORIZONTAL |
| 2 | 11420.40 | 47.34 | 54.00 | -6.66 | 31.20 | 10.69 | 38.82 | 33.37 | 154 | 201 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 11414.39 | 61.09 | 74.00 | -12.91 | 44.95 | 10.69 | 38.82 | 33.37 | 131 | 191 Peak | VERTICAL |
| 2 | 11425.53 | 48.11 | 54.00 | -5.89 | 31.97 | 10.69 | 38.82 | 33.37 | 131 | 191 Average | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11383.93 | 55.46 | 74.00 | -18.54 | 39.37 | 10.68 | 38.78 | 33.37 | 120 | 318 Peak | HORIZONTAL |
| 2 | 11388.65 | 43.38 | 54.00 | -10.62 | 27.29 | 10.68 | 38.78 | 33.37 | 120 | 318 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11376.96 | 43.50 | 54.00 | -10.50 | 27.42 | 10.68 | 38.77 | 33.37 | 145 | 203 Average | VERTICAL |
| 2 | 11377.20 | 56.66 | 74.00 | -17.34 | 40.58 | 10.68 | 38.77 | 33.37 | 145 | 203 Peak | VERTICAL |

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15530.48 | 43.88 | 54.00 | -10.12 | 26.86 | 12.58 | 38.14 | 33.70 | 153 | 67 | Average | HORIZONTAL |
| 2 | 15537.98 | 58.51 | 74.00 | -15.49 | 41.49 | 12.58 | 38.14 | 33.70 | 153 | 67 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15547.66 | 58.54 | 74.00 | -15.46 | 41.54 | 12.58 | 38.12 | 33.70 | 152 | 46 | Peak | VERTICAL |
| 2 | 15549.49 | 45.27 | 54.00 | -8.73 | 28.30 | 12.58 | 38.12 | 33.73 | 152 | 46 | Average | VERTICAL |



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| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15594.87 | 58.01 | 74.00 | -15.99 | 41.15 | 12.58 | 38.03 | 33.75 | 152 | 82 | Peak | HORIZONTAL |
| 2 | 15599.42 | 44.97 | 54.00 | -9.03 | 28.14 | 12.58 | 38.03 | 33.78 | 152 | 82 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15593.49 | 44.91 | 54.00 | -9.09 | 28.02 | 12.58 | 38.06 | 33.75 | 154 | 53 | Average | VERTICAL |
| 2 | 15606.89 | 53.91 | 74.00 | -20.09 | 37.08 | 12.58 | 38.03 | 33.78 | 154 | 53 | Peak | VERTICAL |



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Report No.: FR441804-21AB

| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 15710.22 | 58.35 | 74.00 | -15.65 | 41.79 | 12.57 | 37.87 | 33.88 | 158 | 163 Peak | HORIZONTAL |
| 2 | 15712.15 | 44.93 | 54.00 | -9.07 | 28.37 | 12.57 | 37.87 | 33.88 | 158 | 163 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 15723.81 | 44.95 | 54.00 | -9.05 | 28.42 | 12.57 | 37.84 | 33.88 | 167 | 141 Average | VERTICAL |
| 2 | 15725.74 | 57.67 | 74.00 | -16.33 | 41.14 | 12.57 | 37.84 | 33.88 | 167 | 141 Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15770.58 | 44.46 | 54.00 | -9.54 | 28.06 | 12.57 | 37.76 | 33.93 | 151 | 101 | Average | HORIZONTAL |
| 2 | 15772.40 | 57.89 | 74.00 | -16.11 | 41.49 | 12.57 | 37.76 | 33.93 | 151 | 101 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15776.51 | 44.48 | 54.00 | -9.52 | 28.08 | 12.57 | 37.76 | 33.93 | 149 | 125 | Average | VERTICAL |
| 2 | 15778.01 | 57.69 | 74.00 | -16.31 | 41.31 | 12.57 | 37.76 | 33.95 | 149 | 125 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10591.12 | 55.82 | 74.00 | -18.18 | 40.89 | 10.16 | 38.40 | 33.63 | 141 | 177 | Peak | HORIZONTAL |
| 2 | 10598.53 | 42.64 | 54.00 | -11.36 | 27.71 | 10.16 | 38.40 | 33.63 | 141 | 177 | Average | HORIZONTAL |
| 3 | 15892.82 | 44.44 | 54.00 | -9.56 | 28.35 | 12.57 | 37.57 | 34.05 | 139 | 99 | Average | HORIZONTAL |
| 4 | 15901.51 | 57.63 | 74.00 | -16.37 | 41.57 | 12.57 | 37.54 | 34.05 | 139 | 99 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10590.74 | 56.90 | 74.00 | -17.10 | 41.97 | 10.16 | 38.40 | 33.63 | 140 | 196 | Peak | VERTICAL |
| 2 | 10609.78 | 42.67 | 54.00 | -11.33 | 27.70 | 10.19 | 38.40 | 33.62 | 140 | 196 | Average | VERTICAL |
| 3 | 15892.88 | 57.42 | 74.00 | -16.58 | 41.33 | 12.57 | 37.57 | 34.05 | 139 | 114 | Peak | VERTICAL |
| 4 | 15897.05 | 44.61 | 54.00 | -9.39 | 28.52 | 12.57 | 37.57 | 34.05 | 139 | 114 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10639.39 | 42.63 | 54.00 | -11.37 | 27.62 | 10.21 | 38.40 | 33.60 | 138 | 198 | Average | HORIZONTAL |
| 2 | 10649.62 | 56.38 | 74.00 | -17.62 | 41.37 | 10.21 | 38.40 | 33.60 | 138 | 198 | Peak | HORIZONTAL |
| 3 | 15958.69 | 57.47 | 74.00 | -16.53 | 41.58 | 12.56 | 37.46 | 34.13 | 138 | 198 | Peak | HORIZONTAL |
| 4 | 15959.42 | 43.99 | 54.00 | -10.01 | 28.10 | 12.56 | 37.46 | 34.13 | 138 | 198 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10633.56 | 42.80 | 54.00 | -11.20 | 27.79 | 10.21 | 38.40 | 33.60 | 138 | 160 | Average | VERTICAL |
| 2 | 10645.16 | 55.51 | 74.00 | -18.49 | 40.50 | 10.21 | 38.40 | 33.60 | 138 | 160 | Peak | VERTICAL |
| 3 | 15963.27 | 44.23 | 54.00 | -9.77 | 28.34 | 12.56 | 37.46 | 34.13 | 138 | 179 | Average | VERTICAL |
| 4 | 15964.01 | 57.89 | 74.00 | -16.11 | 42.00 | 12.56 | 37.46 | 34.13 | 138 | 179 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 10993.72 | 56.33 | 74.00 | -17.67 | 40.76 | 10.55 | 38.40 | 33.38 | 164 | 239 Peak | HORIZONTAL |
| 2 | 11008.53 | 42.81 | 54.00 | -11.19 | 27.22 | 10.55 | 38.42 | 33.38 | 164 | 239 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 10998.24 | 42.82 | 54.00 | -11.18 | 27.25 | 10.55 | 38.40 | 33.38 | 168 | 220 Average | VERTICAL |
| 2 | 11002.34 | 56.14 | 74.00 | -17.86 | 40.57 | 10.55 | 38.40 | 33.38 | 168 | 220 Peak | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dB | dB | dB | dB/m | dB | cm | deg | | |
| 1 | 11155.48 | 42.97 | 54.00 | -11.03 | 27.20 | 10.60 | 38.55 | 33.38 | 160 | 253 | Average | HORIZONTAL |
| 2 | 11165.35 | 56.85 | 74.00 | -17.15 | 41.05 | 10.61 | 38.57 | 33.38 | 160 | 253 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dB | dB | dB | dB/m | dB | cm | deg | | |
| 1 | 11155.42 | 55.86 | 74.00 | -18.14 | 40.09 | 10.60 | 38.55 | 33.38 | 160 | 275 | Peak | VERTICAL |
| 2 | 11155.61 | 41.68 | 54.00 | -12.32 | 25.91 | 10.60 | 38.55 | 33.38 | 160 | 275 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11391.31 | 43.52 | 54.00 | -10.48 | 27.42 | 10.69 | 38.78 | 33.37 | 154 | 198 | Average | HORIZONTAL |
| 2 | 11393.43 | 56.53 | 74.00 | -17.47 | 40.43 | 10.69 | 38.78 | 33.37 | 154 | 198 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11402.12 | 56.13 | 74.00 | -17.87 | 40.01 | 10.69 | 38.80 | 33.37 | 156 | 217 | Peak | VERTICAL |
| 2 | 11404.07 | 42.61 | 54.00 | -11.39 | 26.49 | 10.69 | 38.80 | 33.37 | 156 | 217 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11481.19 | 43.64 | 54.00 | -10.36 | 27.42 | 10.71 | 38.88 | 33.37 | 146 | 151 | Average | HORIZONTAL |
| 2 | 11490.58 | 57.59 | 74.00 | -16.41 | 41.37 | 10.71 | 38.88 | 33.37 | 146 | 151 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11482.92 | 56.41 | 74.00 | -17.59 | 40.19 | 10.71 | 38.88 | 33.37 | 152 | 164 | Peak | VERTICAL |
| 2 | 11489.97 | 42.82 | 54.00 | -11.18 | 26.60 | 10.71 | 38.88 | 33.37 | 152 | 164 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 11566.15 | 57.06 | 74.00 | -16.94 | 40.75 | 10.75 | 38.94 | 33.38 | 148 | 125 Peak | HORIZONTAL |
| 2 | 11571.83 | 43.36 | 54.00 | -10.64 | 27.05 | 10.76 | 38.94 | 33.39 | 148 | 125 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 11566.60 | 56.61 | 74.00 | -17.39 | 40.30 | 10.75 | 38.94 | 33.38 | 144 | 136 Peak | VERTICAL |
| 2 | 11572.76 | 43.39 | 54.00 | -10.61 | 27.08 | 10.76 | 38.94 | 33.39 | 144 | 136 Average | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11644.94 | 43.64 | 54.00 | -10.36 | 27.27 | 10.79 | 38.98 | 33.40 | 146 | 110 | Average | HORIZONTAL |
| 2 | 11655.22 | 57.48 | 74.00 | -16.52 | 41.09 | 10.81 | 38.99 | 33.41 | 146 | 110 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11645.58 | 57.05 | 74.00 | -16.95 | 40.68 | 10.79 | 38.98 | 33.40 | 144 | 100 | Peak | VERTICAL |
| 2 | 11658.75 | 43.05 | 54.00 | -10.95 | 26.66 | 10.81 | 38.99 | 33.41 | 144 | 100 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 15563.97 | 58.11 | 74.00 | -15.89 | 41.17 | 12.58 | 38.09 | 33.73 | 151 | 94 Peak | HORIZONTAL |
| 2 | 15576.70 | 44.79 | 54.00 | -9.21 | 27.87 | 12.58 | 38.09 | 33.75 | 151 | 94 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 15560.45 | 57.80 | 74.00 | -16.20 | 40.83 | 12.58 | 38.12 | 33.73 | 152 | 107 Peak | VERTICAL |
| 2 | 15561.70 | 43.54 | 54.00 | -10.46 | 26.60 | 12.58 | 38.09 | 33.73 | 152 | 107 Average | VERTICAL |



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| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15689.29 | 58.74 | 74.00 | -15.26 | 42.11 | 12.58 | 37.90 | 33.85 | 160 | 152 Peak | HORIZONTAL |
| 2 | 15692.31 | 44.88 | 54.00 | -9.12 | 28.25 | 12.58 | 37.90 | 33.85 | 160 | 152 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15693.40 | 58.23 | 74.00 | -15.77 | 41.60 | 12.58 | 37.90 | 33.85 | 167 | 137 Peak | VERTICAL |
| 2 | 15698.04 | 44.12 | 54.00 | -9.88 | 27.52 | 12.58 | 37.87 | 33.85 | 167 | 137 Average | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15809.81 | 44.45 | 54.00 | -9.55 | 28.16 | 12.57 | 37.70 | 33.98 | 156 | 182 | Average | HORIZONTAL |
| 2 | 15814.42 | 57.92 | 74.00 | -16.08 | 41.63 | 12.57 | 37.70 | 33.98 | 156 | 182 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15803.24 | 57.43 | 74.00 | -16.57 | 41.14 | 12.57 | 37.70 | 33.98 | 160 | 150 | Peak | VERTICAL |
| 2 | 15810.83 | 43.19 | 54.00 | -10.81 | 26.90 | 12.57 | 37.70 | 33.98 | 160 | 150 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10610.58 | 42.62 | 54.00 | -11.38 | 27.65 | 10.19 | 38.40 | 33.62 | 132 | 190 | Average | HORIZONTAL |
| 2 | 10617.66 | 56.52 | 74.00 | -17.48 | 41.55 | 10.19 | 38.40 | 33.62 | 132 | 190 | Peak | HORIZONTAL |
| 3 | 15922.05 | 57.25 | 74.00 | -16.75 | 41.26 | 12.56 | 37.51 | 34.08 | 127 | 171 | Peak | HORIZONTAL |
| 4 | 15932.72 | 44.37 | 54.00 | -9.63 | 28.40 | 12.56 | 37.51 | 34.10 | 127 | 171 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10613.49 | 42.09 | 54.00 | -11.91 | 27.12 | 10.19 | 38.40 | 33.62 | 100 | 202 | Average | VERTICAL |
| 2 | 10622.02 | 55.56 | 74.00 | -18.44 | 40.59 | 10.19 | 38.40 | 33.62 | 100 | 202 | Peak | VERTICAL |
| 3 | 15927.12 | 58.15 | 74.00 | -15.85 | 42.16 | 12.56 | 37.51 | 34.08 | 127 | 188 | Peak | VERTICAL |
| 4 | 15930.38 | 44.18 | 54.00 | -9.82 | 28.21 | 12.56 | 37.51 | 34.10 | 127 | 188 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11017.60 | 43.19 | 54.00 | -10.81 | 27.59 | 10.56 | 38.42 | 33.38 | 146 | 196 | Average | HORIZONTAL |
| 2 | 11027.44 | 56.02 | 74.00 | -17.98 | 40.41 | 10.56 | 38.43 | 33.38 | 146 | 196 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11015.83 | 42.77 | 54.00 | -11.23 | 27.17 | 10.56 | 38.42 | 33.38 | 145 | 216 | Average | VERTICAL |
| 2 | 11016.76 | 48.20 | 74.00 | -25.80 | 32.60 | 10.56 | 38.42 | 33.38 | 145 | 216 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 10995.13 | 55.92 | 74.00 | -18.08 | 40.35 | 10.55 | 38.40 | 33.38 | 151 | 268 Peak | HORIZONTAL |
| 2 | 11008.69 | 42.82 | 54.00 | -11.18 | 27.23 | 10.55 | 38.42 | 33.38 | 151 | 268 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 11006.73 | 51.15 | 74.00 | -22.85 | 35.56 | 10.55 | 38.42 | 33.38 | 148 | 250 Peak | VERTICAL |
| 2 | 11009.87 | 42.89 | 54.00 | -11.11 | 27.29 | 10.56 | 38.42 | 33.38 | 148 | 250 Average | VERTICAL |



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| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 11330.06 | 56.49 | 74.00 | -17.51 | 40.47 | 10.66 | 38.73 | 33.37 | 152 | 319 | Peak | HORIZONTAL |
| 2 | 11349.84 | 43.71 | 54.00 | -10.29 | 27.66 | 10.67 | 38.75 | 33.37 | 152 | 319 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 11334.94 | 43.56 | 54.00 | -10.44 | 27.54 | 10.66 | 38.73 | 33.37 | 152 | 294 | Average | VERTICAL |
| 2 | 11342.72 | 50.03 | 74.00 | -23.97 | 34.00 | 10.67 | 38.73 | 33.37 | 152 | 294 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11500.74 | 43.57 | 54.00 | -10.43 | 27.32 | 10.72 | 38.90 | 33.37 | 153 | 304 | Average | HORIZONTAL |
| 2 | 11504.90 | 56.78 | 74.00 | -17.22 | 40.53 | 10.72 | 38.90 | 33.37 | 153 | 304 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11502.63 | 43.18 | 54.00 | -10.82 | 26.93 | 10.72 | 38.90 | 33.37 | 151 | 327 | Average | VERTICAL |
| 2 | 11510.99 | 56.62 | 74.00 | -17.38 | 40.37 | 10.72 | 38.90 | 33.37 | 151 | 327 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11580.83 | 56.96 | 74.00 | -17.04 | 40.65 | 10.76 | 38.94 | 33.39 | 151 | 246 | Peak | HORIZONTAL |
| 2 | 11598.08 | 43.58 | 54.00 | -10.42 | 27.25 | 10.78 | 38.95 | 33.40 | 151 | 246 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11586.03 | 42.41 | 54.00 | -11.59 | 26.09 | 10.76 | 38.95 | 33.39 | 151 | 266 | Average | VERTICAL |
| 2 | 11590.42 | 56.14 | 74.00 | -17.86 | 39.82 | 10.76 | 38.95 | 33.39 | 151 | 266 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15631.67 | 44.66 | 54.00 | -9.34 | 27.90 | 12.58 | 37.98 | 33.80 | 152 | 269 | Average | HORIZONTAL |
| 2 | 15633.30 | 57.93 | 74.00 | -16.07 | 41.17 | 12.58 | 37.98 | 33.80 | 152 | 269 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15632.47 | 43.77 | 54.00 | -10.23 | 27.01 | 12.58 | 37.98 | 33.80 | 151 | 253 | Average | VERTICAL |
| 2 | 15636.12 | 58.48 | 74.00 | -15.52 | 41.72 | 12.58 | 37.98 | 33.80 | 151 | 253 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15860.51 | 57.84 | 74.00 | -16.16 | 41.68 | 12.57 | 37.62 | 34.03 | 150 | 290 Peak | HORIZONTAL |
| 2 | 15878.78 | 44.47 | 54.00 | -9.53 | 28.34 | 12.57 | 37.59 | 34.03 | 150 | 290 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15869.49 | 58.71 | 74.00 | -15.29 | 42.58 | 12.57 | 37.59 | 34.03 | 158 | 270 Peak | VERTICAL |
| 2 | 15870.99 | 43.80 | 54.00 | -10.20 | 27.67 | 12.57 | 37.59 | 34.03 | 158 | 270 Average | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11052.47 | 55.89 | 74.00 | -18.11 | 40.25 | 10.57 | 38.45 | 33.38 | 152 | 301 Peak | HORIZONTAL |
| 2 | 11053.24 | 42.79 | 54.00 | -11.21 | 27.15 | 10.57 | 38.45 | 33.38 | 152 | 301 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11058.59 | 55.63 | 74.00 | -18.37 | 39.97 | 10.57 | 38.47 | 33.38 | 152 | 326 Peak | VERTICAL |
| 2 | 11065.35 | 41.86 | 54.00 | -12.14 | 26.19 | 10.58 | 38.47 | 33.38 | 152 | 326 Average | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11217.85 | 42.93 | 54.00 | -11.07 | 27.06 | 10.63 | 38.62 | 33.38 | 151 | 304 | Average | HORIZONTAL |
| 2 | 11226.96 | 56.10 | 74.00 | -17.90 | 40.22 | 10.63 | 38.63 | 33.38 | 151 | 304 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11228.30 | 56.26 | 74.00 | -17.74 | 40.38 | 10.63 | 38.63 | 33.38 | 148 | 285 | Peak | VERTICAL |
| 2 | 11229.62 | 42.64 | 54.00 | -11.36 | 26.76 | 10.63 | 38.63 | 33.38 | 148 | 285 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 11541.96 | 56.25 | 74.00 | -17.75 | 39.98 | 10.73 | 38.92 | 33.38 | 151 | 239 Peak | HORIZONTAL |
| 2 | 11543.75 | 43.23 | 54.00 | -10.77 | 26.96 | 10.73 | 38.92 | 33.38 | 151 | 239 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 11543.24 | 56.64 | 74.00 | -17.36 | 40.37 | 10.73 | 38.92 | 33.38 | 151 | 259 Peak | VERTICAL |
| 2 | 11558.49 | 42.40 | 54.00 | -11.60 | 26.10 | 10.75 | 38.93 | 33.38 | 151 | 259 Average | VERTICAL |



Straddle Channel

| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11443.65 | 44.00 | 54.00 | -10.00 | 27.84 | 10.70 | 38.83 | 33.37 | 152 | 141 | Average | HORIZONTAL |
| 2 | 11448.14 | 57.99 | 74.00 | -16.01 | 41.81 | 10.70 | 38.85 | 33.37 | 152 | 141 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11443.04 | 56.27 | 74.00 | -17.73 | 40.11 | 10.70 | 38.83 | 33.37 | 152 | 169 | Peak | VERTICAL |
| 2 | 11448.75 | 42.68 | 54.00 | -11.32 | 26.50 | 10.70 | 38.85 | 33.37 | 152 | 169 | Average | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11418.81 | 44.39 | 54.00 | -9.61 | 28.25 | 10.69 | 38.82 | 33.37 | 154 | 359 | Average | HORIZONTAL |
| 2 | 11419.90 | 57.98 | 74.00 | -16.02 | 41.84 | 10.69 | 38.82 | 33.37 | 154 | 359 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11416.92 | 44.44 | 54.00 | -9.56 | 28.30 | 10.69 | 38.82 | 33.37 | 150 | 339 | Average | VERTICAL |
| 2 | 11421.67 | 53.34 | 74.00 | -20.66 | 37.20 | 10.69 | 38.82 | 33.37 | 150 | 339 | Peak | VERTICAL |



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 25, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11385.13 | 43.45 | 54.00 | -10.55 | 27.36 | 10.68 | 38.78 | 33.37 | 153 | 273 | Average | HORIZONTAL |
| 2 | 11388.72 | 56.98 | 74.00 | -17.02 | 40.89 | 10.68 | 38.78 | 33.37 | 153 | 273 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11377.21 | 43.37 | 54.00 | -10.63 | 27.29 | 10.68 | 38.77 | 33.37 | 149 | 288 | Average | VERTICAL |
| 2 | 11379.26 | 56.71 | 74.00 | -17.29 | 40.62 | 10.68 | 38.78 | 33.37 | 149 | 288 | Peak | VERTICAL |

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15539.12 | 58.64 | 74.00 | -15.36 | 41.62 | 12.58 | 38.14 | 33.70 | 150 | 227 Peak | HORIZONTAL |
| 2 | 15541.34 | 45.44 | 54.00 | -8.56 | 28.42 | 12.58 | 38.14 | 33.70 | 150 | 227 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15541.34 | 59.14 | 74.00 | -14.86 | 42.12 | 12.58 | 38.14 | 33.70 | 150 | 237 Peak | VERTICAL |
| 2 | 15541.54 | 45.73 | 54.00 | -8.27 | 28.71 | 12.58 | 38.14 | 33.70 | 150 | 237 Average | VERTICAL |



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15600.96 | 62.61 | 74.00 | -11.39 | 45.78 | 12.58 | 38.03 | 33.78 | 150 | 41 | Peak | HORIZONTAL |
| 2 | 15601.65 | 46.32 | 54.00 | -7.68 | 29.49 | 12.58 | 38.03 | 33.78 | 150 | 41 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15601.20 | 48.35 | 54.00 | -5.65 | 31.52 | 12.58 | 38.03 | 33.78 | 182 | 183 | Average | VERTICAL |
| 2 | 15605.40 | 61.06 | 74.00 | -12.94 | 44.23 | 12.58 | 38.03 | 33.78 | 182 | 183 | Peak | VERTICAL |



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Report No.: FR441804-21AB

| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15718.42 | 46.80 | 54.00 | -7.20 | 30.27 | 12.57 | 37.84 | 33.88 | 157 | 238 | Average | HORIZONTAL |
| 2 | 15722.46 | 60.47 | 74.00 | -13.53 | 43.94 | 12.57 | 37.84 | 33.88 | 157 | 238 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15717.90 | 47.57 | 54.00 | -6.43 | 31.04 | 12.57 | 37.84 | 33.88 | 162 | 156 | Average | VERTICAL |
| 2 | 15718.45 | 60.60 | 74.00 | -13.40 | 44.07 | 12.57 | 37.84 | 33.88 | 162 | 156 | Peak | VERTICAL |



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15778.19 | 63.61 | 74.00 | -10.39 | 47.23 | 12.57 | 37.76 | 33.95 | 172 | 0 | Peak | HORIZONTAL |
| 2 | 15779.37 | 50.02 | 54.00 | -3.98 | 33.64 | 12.57 | 37.76 | 33.95 | 172 | 0 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15778.51 | 50.87 | 54.00 | -3.13 | 34.49 | 12.57 | 37.76 | 33.95 | 162 | 195 | Average | VERTICAL |
| 2 | 15779.73 | 64.57 | 74.00 | -9.43 | 48.19 | 12.57 | 37.76 | 33.95 | 162 | 195 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 15900.17 | 49.15 | 54.00 | -4.85 | 33.06 | 12.57 | 37.57 | 34.05 | 141 | 293 | Average | HORIZONTAL |
| 2 | 15900.18 | 62.32 | 74.00 | -11.68 | 46.23 | 12.57 | 37.57 | 34.05 | 141 | 293 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 15899.53 | 49.07 | 54.00 | -4.93 | 32.98 | 12.57 | 37.57 | 34.05 | 160 | 113 | Average | VERTICAL |
| 2 | 15899.75 | 62.35 | 74.00 | -11.65 | 46.26 | 12.57 | 37.57 | 34.05 | 160 | 113 | Peak | VERTICAL |



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15957.60 | 59.55 | 74.00 | -14.45 | 43.66 | 12.56 | 37.46 | 34.13 | 152 | 332 Peak | HORIZONTAL |
| 2 | 15961.47 | 46.77 | 54.00 | -7.23 | 30.88 | 12.56 | 37.46 | 34.13 | 152 | 332 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15958.85 | 59.26 | 74.00 | -14.74 | 43.37 | 12.56 | 37.46 | 34.13 | 152 | 299 Peak | VERTICAL |
| 2 | 15959.99 | 46.41 | 54.00 | -7.59 | 30.52 | 12.56 | 37.46 | 34.13 | 152 | 299 Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 10998.48 | 55.00 | 74.00 | -19.00 | 39.43 | 10.55 | 38.40 | 33.38 | 138 | 33 Peak | HORIZONTAL |
| 2 | 11000.03 | 42.07 | 54.00 | -11.93 | 26.50 | 10.55 | 38.40 | 33.38 | 138 | 33 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 10998.71 | 55.36 | 74.00 | -18.64 | 39.79 | 10.55 | 38.40 | 33.38 | 138 | 43 Peak | VERTICAL |
| 2 | 10999.73 | 42.32 | 54.00 | -11.68 | 26.75 | 10.55 | 38.40 | 33.38 | 138 | 43 Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11157.90 | 44.90 | 54.00 | -9.10 | 29.11 | 10.60 | 38.57 | 33.38 | 138 | 177 | Average | HORIZONTAL |
| 2 | 11159.91 | 59.23 | 74.00 | -14.77 | 43.44 | 10.60 | 38.57 | 33.38 | 138 | 177 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11159.16 | 44.22 | 54.00 | -9.78 | 28.43 | 10.60 | 38.57 | 33.38 | 155 | 167 | Average | VERTICAL |
| 2 | 11159.92 | 57.44 | 74.00 | -16.56 | 41.65 | 10.60 | 38.57 | 33.38 | 155 | 167 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11398.05 | 43.68 | 54.00 | -10.32 | 27.56 | 10.69 | 38.80 | 33.37 | 155 | 234 | Average | HORIZONTAL |
| 2 | 11401.51 | 57.32 | 74.00 | -16.68 | 41.20 | 10.69 | 38.80 | 33.37 | 155 | 234 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11398.33 | 44.67 | 54.00 | -9.33 | 28.55 | 10.69 | 38.80 | 33.37 | 155 | 210 | Average | VERTICAL |
| 2 | 11400.52 | 57.36 | 74.00 | -16.64 | 41.24 | 10.69 | 38.80 | 33.37 | 155 | 210 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | | | |
| 1 | 11490.00 | 45.61 | 54.00 | -8.39 | 29.39 | 10.71 | 38.88 | 33.37 | 140 | 302 | Average | HORIZONTAL |
| 2 | 11490.00 | 57.30 | 74.00 | -16.70 | 41.08 | 10.71 | 38.88 | 33.37 | 140 | 302 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | | | |
| 1 | 11490.42 | 45.00 | 54.00 | -9.00 | 28.78 | 10.71 | 38.88 | 33.37 | 150 | 195 | Average | VERTICAL |
| 2 | 11492.49 | 58.10 | 74.00 | -15.90 | 41.88 | 10.71 | 38.88 | 33.37 | 150 | 195 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11570.29 | 64.30 | 74.00 | -9.70 | 47.99 | 10.76 | 38.94 | 33.39 | 146 | 300 | Peak | HORIZONTAL |
| 2 | 11570.34 | 50.88 | 54.00 | -3.12 | 34.57 | 10.76 | 38.94 | 33.39 | 146 | 300 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11570.48 | 47.54 | 54.00 | -6.46 | 31.23 | 10.76 | 38.94 | 33.39 | 144 | 193 | Average | VERTICAL |
| 2 | 11572.26 | 60.66 | 74.00 | -13.34 | 44.35 | 10.76 | 38.94 | 33.39 | 144 | 193 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11647.55 | 56.58 | 74.00 | -17.42 | 40.20 | 10.81 | 38.98 | 33.41 | 153 | 279 Peak | HORIZONTAL |
| 2 | 11647.57 | 43.84 | 54.00 | -10.16 | 27.46 | 10.81 | 38.98 | 33.41 | 153 | 279 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11648.47 | 56.82 | 74.00 | -17.18 | 40.44 | 10.81 | 38.98 | 33.41 | 153 | 293 Peak | VERTICAL |
| 2 | 11648.98 | 44.09 | 54.00 | -9.91 | 27.71 | 10.81 | 38.98 | 33.41 | 153 | 293 Average | VERTICAL |



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15570.11 | 58.33 | 74.00 | -15.67 | 41.39 | 12.58 | 38.09 | 33.73 | 153 | 244 | Peak | HORIZONTAL |
| 2 | 15572.40 | 45.75 | 54.00 | -8.25 | 28.81 | 12.58 | 38.09 | 33.73 | 153 | 244 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15567.80 | 59.61 | 74.00 | -14.39 | 42.67 | 12.58 | 38.09 | 33.73 | 153 | 219 | Peak | VERTICAL |
| 2 | 15571.04 | 45.42 | 54.00 | -8.58 | 28.48 | 12.58 | 38.09 | 33.73 | 153 | 219 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15687.50 | 46.58 | 54.00 | -7.42 | 29.95 | 12.58 | 37.90 | 33.85 | 153 | 39 | Average | HORIZONTAL |
| 2 | 15690.35 | 59.90 | 74.00 | -14.10 | 43.27 | 12.58 | 37.90 | 33.85 | 153 | 39 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15688.46 | 59.99 | 74.00 | -14.01 | 43.36 | 12.58 | 37.90 | 33.85 | 153 | 22 | Peak | VERTICAL |
| 2 | 15689.82 | 46.70 | 54.00 | -7.30 | 30.07 | 12.58 | 37.90 | 33.85 | 153 | 22 | Average | VERTICAL |



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 15810.13 | 60.59 | 74.00 | -13.41 | 44.30 | 12.57 | 37.70 | 33.98 | 153 | 323 Peak | HORIZONTAL |
| 2 | 15811.75 | 47.84 | 54.00 | -6.16 | 31.55 | 12.57 | 37.70 | 33.98 | 153 | 323 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 15808.23 | 47.65 | 54.00 | -6.35 | 31.36 | 12.57 | 37.70 | 33.98 | 153 | 35 Average | VERTICAL |
| 2 | 15811.76 | 60.38 | 74.00 | -13.62 | 44.09 | 12.57 | 37.70 | 33.98 | 153 | 35 Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15931.40 | 46.75 | 54.00 | -7.25 | 30.78 | 12.56 | 37.51 | 34.10 | 153 | 327 | Average | HORIZONTAL |
| 2 | 15931.71 | 60.03 | 74.00 | -13.97 | 44.06 | 12.56 | 37.51 | 34.10 | 153 | 327 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15928.59 | 46.78 | 54.00 | -7.22 | 30.79 | 12.56 | 37.51 | 34.08 | 153 | 81 | Average | VERTICAL |
| 2 | 15929.85 | 60.13 | 74.00 | -13.87 | 44.14 | 12.56 | 37.51 | 34.08 | 153 | 81 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11019.21 | 42.44 | 54.00 | -11.56 | 26.84 | 10.56 | 38.42 | 33.38 | 153 | 338 | Average | HORIZONTAL |
| 2 | 11022.33 | 54.58 | 74.00 | -19.42 | 38.97 | 10.56 | 38.43 | 33.38 | 153 | 338 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11018.78 | 55.52 | 74.00 | -18.48 | 39.92 | 10.56 | 38.42 | 33.38 | 153 | 322 | Peak | VERTICAL |
| 2 | 11019.44 | 42.41 | 54.00 | -11.59 | 26.81 | 10.56 | 38.42 | 33.38 | 153 | 322 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dB | dB | dB | dB/m | dB | cm | deg | | |
| 1 | 11099.78 | 42.75 | 54.00 | -11.25 | 27.05 | 10.58 | 38.50 | 33.38 | 153 | 124 | Average | HORIZONTAL |
| 2 | 11102.48 | 55.66 | 74.00 | -18.34 | 39.96 | 10.58 | 38.50 | 33.38 | 153 | 124 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dB | dB | dB | dB/m | dB | cm | deg | | |
| 1 | 11099.40 | 55.82 | 74.00 | -18.18 | 40.12 | 10.58 | 38.50 | 33.38 | 153 | 132 | Peak | VERTICAL |
| 2 | 11100.91 | 42.86 | 54.00 | -11.14 | 27.16 | 10.58 | 38.50 | 33.38 | 153 | 132 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11340.69 | 56.41 | 74.00 | -17.59 | 40.38 | 10.67 | 38.73 | 33.37 | 153 | 82 Peak | HORIZONTAL |
| 2 | 11340.72 | 42.73 | 54.00 | -11.27 | 26.70 | 10.67 | 38.73 | 33.37 | 153 | 82 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11340.68 | 43.02 | 54.00 | -10.98 | 26.99 | 10.67 | 38.73 | 33.37 | 150 | 125 Average | VERTICAL |
| 2 | 11340.71 | 56.09 | 74.00 | -17.91 | 40.06 | 10.67 | 38.73 | 33.37 | 150 | 125 Peak | VERTICAL |



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| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11509.59 | 42.58 | 54.00 | -11.42 | 26.33 | 10.72 | 38.90 | 33.37 | 155 | 151 | Average | HORIZONTAL |
| 2 | 11511.24 | 55.89 | 74.00 | -18.11 | 39.64 | 10.72 | 38.90 | 33.37 | 155 | 151 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11509.87 | 42.61 | 54.00 | -11.39 | 26.36 | 10.72 | 38.90 | 33.37 | 136 | 244 | Average | VERTICAL |
| 2 | 11512.27 | 55.85 | 74.00 | -18.15 | 39.60 | 10.72 | 38.90 | 33.37 | 136 | 244 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11588.99 | 56.47 | 74.00 | -17.53 | 40.15 | 10.76 | 38.95 | 33.39 | 148 | 119 Peak | HORIZONTAL |
| 2 | 11591.60 | 43.30 | 54.00 | -10.70 | 26.98 | 10.76 | 38.95 | 33.39 | 148 | 119 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11591.33 | 56.95 | 74.00 | -17.05 | 40.63 | 10.76 | 38.95 | 33.39 | 151 | 52 Peak | VERTICAL |
| 2 | 11592.12 | 43.63 | 54.00 | -10.37 | 27.31 | 10.76 | 38.95 | 33.39 | 151 | 52 Average | VERTICAL |



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 15628.19 | 60.26 | 74.00 | -13.74 | 43.47 | 12.58 | 38.01 | 33.80 | 148 | 230 | Peak | HORIZONTAL |
| 2 | 15632.32 | 47.11 | 54.00 | -6.89 | 30.35 | 12.58 | 37.98 | 33.80 | 148 | 230 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 15630.95 | 46.96 | 54.00 | -7.04 | 30.20 | 12.58 | 37.98 | 33.80 | 185 | 135 | Average | VERTICAL |
| 2 | 15632.23 | 60.34 | 74.00 | -13.66 | 43.58 | 12.58 | 37.98 | 33.80 | 185 | 135 | Peak | VERTICAL |



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15867.96 | 58.91 | 74.00 | -15.09 | 42.78 | 12.57 | 37.59 | 34.03 | 185 | 207 | Peak | HORIZONTAL |
| 2 | 15868.44 | 46.24 | 54.00 | -7.76 | 30.11 | 12.57 | 37.59 | 34.03 | 185 | 207 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 15872.10 | 46.26 | 54.00 | -7.74 | 30.13 | 12.57 | 37.59 | 34.03 | 185 | 159 | Average | VERTICAL |
| 2 | 15872.30 | 59.21 | 74.00 | -14.79 | 43.08 | 12.57 | 37.59 | 34.03 | 185 | 159 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11058.90 | 42.50 | 54.00 | -11.50 | 26.84 | 10.57 | 38.47 | 33.38 | 175 | 207 | Average | HORIZONTAL |
| 2 | 11059.34 | 54.83 | 74.00 | -19.17 | 39.17 | 10.57 | 38.47 | 33.38 | 175 | 207 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11059.37 | 42.35 | 54.00 | -11.65 | 26.69 | 10.57 | 38.47 | 33.38 | 175 | 192 | Average | VERTICAL |
| 2 | 11060.62 | 55.83 | 74.00 | -18.17 | 40.16 | 10.58 | 38.47 | 33.38 | 175 | 192 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11218.86 | 42.43 | 54.00 | -11.57 | 26.56 | 10.63 | 38.62 | 33.38 | 175 | 77 | Average | HORIZONTAL |
| 2 | 11221.17 | 55.13 | 74.00 | -18.87 | 39.26 | 10.63 | 38.62 | 33.38 | 175 | 77 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11218.07 | 42.38 | 54.00 | -11.62 | 26.51 | 10.63 | 38.62 | 33.38 | 175 | 57 | Average | VERTICAL |
| 2 | 11221.63 | 55.58 | 74.00 | -18.42 | 39.71 | 10.63 | 38.62 | 33.38 | 175 | 57 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11550.51 | 42.82 | 54.00 | -11.18 | 26.52 | 10.75 | 38.93 | 33.38 | 171 | 166 | Average | HORIZONTAL |
| 2 | 11551.94 | 56.01 | 74.00 | -17.99 | 39.71 | 10.75 | 38.93 | 33.38 | 171 | 166 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11548.11 | 55.47 | 74.00 | -18.53 | 39.18 | 10.75 | 38.92 | 33.38 | 171 | 284 | Peak | VERTICAL |
| 2 | 11550.62 | 42.84 | 54.00 | -11.16 | 26.54 | 10.75 | 38.93 | 33.38 | 171 | 284 | Average | VERTICAL |



Straddle Channel

| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11437.59 | 65.79 | 74.00 | -8.21 | 49.64 | 10.69 | 38.83 | 33.37 | 150 | 293 | Peak | HORIZONTAL |
| 2 | 11439.08 | 52.22 | 54.00 | -1.78 | 36.07 | 10.69 | 38.83 | 33.37 | 150 | 293 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11438.38 | 65.44 | 74.00 | -8.56 | 49.29 | 10.69 | 38.83 | 33.37 | 150 | 195 | Peak | VERTICAL |
| 2 | 11439.68 | 51.86 | 54.00 | -2.14 | 35.71 | 10.69 | 38.83 | 33.37 | 150 | 195 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 11420.57 | 63.05 | 74.00 | -10.95 | 46.91 | 10.69 | 38.82 | 33.37 | 212 | 300 | Peak | HORIZONTAL |
| 2 | 11422.36 | 49.13 | 54.00 | -4.87 | 32.99 | 10.69 | 38.82 | 33.37 | 212 | 300 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | | |
| 1 | 11420.04 | 63.66 | 74.00 | -10.34 | 47.52 | 10.69 | 38.82 | 33.37 | 148 | 208 | Peak | VERTICAL |
| 2 | 11422.19 | 48.94 | 54.00 | -5.06 | 32.80 | 10.69 | 38.82 | 33.37 | 148 | 208 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 11380.45 | 44.91 | 54.00 | -9.09 | 28.82 | 10.68 | 38.78 | 33.37 | 143 | 298 | Average | HORIZONTAL |
| 2 | 11380.53 | 58.14 | 74.00 | -15.86 | 42.05 | 10.68 | 38.78 | 33.37 | 143 | 298 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 11379.63 | 44.75 | 54.00 | -9.25 | 28.66 | 10.68 | 38.78 | 33.37 | 171 | 100 | Average | VERTICAL |
| 2 | 11381.35 | 56.66 | 74.00 | -17.34 | 40.57 | 10.68 | 38.78 | 33.37 | 171 | 100 | Peak | VERTICAL |

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15532.36 | 47.07 | 54.00 | -6.93 | 30.05 | 12.58 | 38.14 | 33.70 | 159 | 244 | Average | HORIZONTAL |
| 2 | 15545.56 | 59.75 | 74.00 | -14.25 | 42.75 | 12.58 | 38.12 | 33.70 | 159 | 244 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15531.16 | 60.74 | 74.00 | -13.26 | 43.72 | 12.58 | 38.14 | 33.70 | 161 | 231 | Peak | VERTICAL |
| 2 | 15539.76 | 47.13 | 54.00 | -6.87 | 30.11 | 12.58 | 38.14 | 33.70 | 161 | 231 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15598.00 | 47.44 | 54.00 | -6.56 | 30.58 | 12.58 | 38.03 | 33.75 | 154 | 242 | Average | HORIZONTAL |
| 2 | 15603.92 | 60.43 | 74.00 | -13.57 | 43.60 | 12.58 | 38.03 | 33.78 | 154 | 242 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15594.68 | 61.95 | 74.00 | -12.05 | 45.09 | 12.58 | 38.03 | 33.75 | 156 | 226 | Peak | VERTICAL |
| 2 | 15602.64 | 48.18 | 54.00 | -5.82 | 31.35 | 12.58 | 38.03 | 33.78 | 156 | 226 | Average | VERTICAL |



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 15716.96 | 59.69 | 74.00 | -14.31 | 43.16 | 12.57 | 37.84 | 33.88 | 150 | 280 Peak | HORIZONTAL |
| 2 | 15721.44 | 46.80 | 54.00 | -7.20 | 30.27 | 12.57 | 37.84 | 33.88 | 150 | 280 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 15726.28 | 59.25 | 74.00 | -14.75 | 42.74 | 12.57 | 37.84 | 33.90 | 153 | 262 Peak | VERTICAL |
| 2 | 15727.80 | 46.42 | 54.00 | -7.58 | 29.91 | 12.57 | 37.84 | 33.90 | 153 | 262 Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15780.28 | 47.73 | 54.00 | -6.27 | 31.35 | 12.57 | 37.76 | 33.95 | 154 | 179 | Average | HORIZONTAL |
| 2 | 15781.16 | 61.00 | 74.00 | -13.00 | 44.62 | 12.57 | 37.76 | 33.95 | 154 | 179 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 15777.08 | 60.16 | 74.00 | -13.84 | 43.76 | 12.57 | 37.76 | 33.93 | 150 | 198 | Peak | VERTICAL |
| 2 | 15784.16 | 47.21 | 54.00 | -6.79 | 30.86 | 12.57 | 37.73 | 33.95 | 150 | 198 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10593.28 | 42.29 | 54.00 | -11.71 | 27.36 | 10.16 | 38.40 | 33.63 | 160 | 146 | Average | HORIZONTAL |
| 2 | 10593.84 | 54.92 | 74.00 | -19.08 | 39.99 | 10.16 | 38.40 | 33.63 | 160 | 146 | Peak | HORIZONTAL |
| 3 | 15897.56 | 47.24 | 54.00 | -6.76 | 31.15 | 12.57 | 37.57 | 34.05 | 157 | 170 | Average | HORIZONTAL |
| 4 | 15899.08 | 59.73 | 74.00 | -14.27 | 43.64 | 12.57 | 37.57 | 34.05 | 157 | 170 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10595.32 | 55.50 | 74.00 | -18.50 | 40.57 | 10.16 | 38.40 | 33.63 | 156 | 164 | Peak | VERTICAL |
| 2 | 10596.40 | 42.52 | 54.00 | -11.48 | 27.59 | 10.16 | 38.40 | 33.63 | 156 | 164 | Average | VERTICAL |
| 3 | 15897.64 | 59.77 | 74.00 | -14.23 | 43.68 | 12.57 | 37.57 | 34.05 | 154 | 185 | Peak | VERTICAL |
| 4 | 15902.32 | 47.02 | 54.00 | -6.98 | 30.96 | 12.57 | 37.54 | 34.05 | 154 | 185 | Average | VERTICAL |



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dB | dB | dB | dB/m | dB | cm | deg | | |
| 1 | 10634.16 | 55.30 | 74.00 | -18.70 | 40.29 | 10.21 | 38.40 | 33.60 | 156 | 152 | Peak | HORIZONTAL |
| 2 | 10636.68 | 42.18 | 54.00 | -11.82 | 27.17 | 10.21 | 38.40 | 33.60 | 156 | 152 | Average | HORIZONTAL |
| 3 | 15958.32 | 59.30 | 74.00 | -14.70 | 43.41 | 12.56 | 37.46 | 34.13 | 160 | 135 | Peak | HORIZONTAL |
| 4 | 15965.16 | 47.03 | 54.00 | -6.97 | 31.14 | 12.56 | 37.46 | 34.13 | 160 | 135 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dB | dB | dB | dB/m | dB | cm | deg | | |
| 1 | 10630.12 | 42.21 | 54.00 | -11.79 | 27.20 | 10.21 | 38.40 | 33.60 | 158 | 131 | Average | VERTICAL |
| 2 | 10630.96 | 55.18 | 74.00 | -18.82 | 40.17 | 10.21 | 38.40 | 33.60 | 158 | 131 | Peak | VERTICAL |
| 3 | 15962.24 | 60.30 | 74.00 | -13.70 | 44.41 | 12.56 | 37.46 | 34.13 | 156 | 118 | Peak | VERTICAL |
| 4 | 15969.68 | 46.91 | 54.00 | -7.09 | 31.05 | 12.56 | 37.43 | 34.13 | 156 | 118 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 10990.80 | 54.41 | 74.00 | -19.59 | 38.84 | 10.55 | 38.40 | 33.38 | 148 | 187 | Peak | HORIZONTAL |
| 2 | 11009.76 | 41.67 | 54.00 | -12.33 | 26.07 | 10.56 | 38.42 | 33.38 | 148 | 187 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 10994.80 | 41.93 | 54.00 | -12.07 | 26.36 | 10.55 | 38.40 | 33.38 | 155 | 170 | Average | VERTICAL |
| 2 | 11008.16 | 54.38 | 74.00 | -19.62 | 38.79 | 10.55 | 38.42 | 33.38 | 155 | 170 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11158.80 | 56.69 | 74.00 | -17.31 | 40.90 | 10.60 | 38.57 | 33.38 | 153 | 231 Peak | HORIZONTAL |
| 2 | 11159.32 | 42.85 | 54.00 | -11.15 | 27.06 | 10.60 | 38.57 | 33.38 | 153 | 231 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11159.40 | 43.97 | 54.00 | -10.03 | 28.18 | 10.60 | 38.57 | 33.38 | 151 | 210 Average | VERTICAL |
| 2 | 11168.68 | 56.96 | 74.00 | -17.04 | 41.16 | 10.61 | 38.57 | 33.38 | 151 | 210 Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11393.04 | 42.68 | 54.00 | -11.32 | 26.58 | 10.69 | 38.78 | 33.37 | 152 | 263 | Average | HORIZONTAL |
| 2 | 11405.64 | 55.26 | 74.00 | -18.74 | 39.14 | 10.69 | 38.80 | 33.37 | 152 | 263 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 11391.12 | 55.55 | 74.00 | -18.45 | 39.46 | 10.68 | 38.78 | 33.37 | 154 | 246 | Peak | VERTICAL |
| 2 | 11397.52 | 42.85 | 54.00 | -11.15 | 26.73 | 10.69 | 38.80 | 33.37 | 154 | 246 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11483.20 | 55.39 | 74.00 | -18.61 | 39.17 | 10.71 | 38.88 | 33.37 | 150 | 307 Peak | HORIZONTAL |
| 2 | 11490.04 | 42.54 | 54.00 | -11.46 | 26.32 | 10.71 | 38.88 | 33.37 | 150 | 307 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11486.84 | 57.27 | 74.00 | -16.73 | 41.05 | 10.71 | 38.88 | 33.37 | 152 | 286 Peak | VERTICAL |
| 2 | 11488.28 | 43.17 | 54.00 | -10.83 | 26.95 | 10.71 | 38.88 | 33.37 | 152 | 286 Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11569.56 | 56.57 | 74.00 | -17.43 | 40.26 | 10.75 | 38.94 | 33.38 | 151 | 218 | Peak | HORIZONTAL |
| 2 | 11575.08 | 43.48 | 54.00 | -10.52 | 27.17 | 10.76 | 38.94 | 33.39 | 151 | 218 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11569.64 | 46.87 | 54.00 | -7.13 | 30.56 | 10.75 | 38.94 | 33.38 | 152 | 193 | Average | VERTICAL |
| 2 | 11573.60 | 58.88 | 74.00 | -15.12 | 42.57 | 10.76 | 38.94 | 33.39 | 152 | 193 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dB | dB | dB | dB/m | dB | cm | deg | | |
| 1 | 11641.84 | 43.45 | 54.00 | -10.55 | 27.08 | 10.79 | 38.98 | 33.40 | 150 | 223 | Average | HORIZONTAL |
| 2 | 11644.80 | 56.00 | 74.00 | -18.00 | 39.63 | 10.79 | 38.98 | 33.40 | 150 | 223 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dB | dB | dB | dB/m | dB | cm | deg | | |
| 1 | 11645.48 | 43.50 | 54.00 | -10.50 | 27.13 | 10.79 | 38.98 | 33.40 | 150 | 199 | Average | VERTICAL |
| 2 | 11652.84 | 56.30 | 74.00 | -17.70 | 39.91 | 10.81 | 38.99 | 33.41 | 150 | 199 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 15562.00 | 60.24 | 74.00 | -13.76 | 43.30 | 12.58 | 38.09 | 33.73 | 165 | 260 | Peak | HORIZONTAL |
| 2 | 15572.96 | 46.90 | 54.00 | -7.10 | 29.96 | 12.58 | 38.09 | 33.73 | 165 | 260 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 15570.72 | 47.25 | 54.00 | -6.75 | 30.31 | 12.58 | 38.09 | 33.73 | 149 | 244 | Average | VERTICAL |
| 2 | 15571.68 | 59.65 | 74.00 | -14.35 | 42.71 | 12.58 | 38.09 | 33.73 | 149 | 244 | Peak | VERTICAL |



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| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15687.48 | 59.32 | 74.00 | -14.68 | 42.69 | 12.58 | 37.90 | 33.85 | 159 | 262 | Peak | HORIZONTAL |
| 2 | 15694.56 | 46.80 | 54.00 | -7.20 | 30.17 | 12.58 | 37.90 | 33.85 | 159 | 262 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 15681.60 | 59.53 | 74.00 | -14.47 | 42.90 | 12.58 | 37.90 | 33.85 | 161 | 276 | Peak | VERTICAL |
| 2 | 15688.20 | 46.80 | 54.00 | -7.20 | 30.17 | 12.58 | 37.90 | 33.85 | 161 | 276 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 15810.48 | 46.72 | 54.00 | -7.28 | 30.43 | 12.57 | 37.70 | 33.98 | 156 | 304 | Average | HORIZONTAL |
| 2 | 15812.48 | 59.89 | 74.00 | -14.11 | 43.60 | 12.57 | 37.70 | 33.98 | 156 | 304 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 15809.76 | 46.86 | 54.00 | -7.14 | 30.57 | 12.57 | 37.70 | 33.98 | 157 | 280 | Average | VERTICAL |
| 2 | 15815.96 | 59.86 | 74.00 | -14.14 | 43.59 | 12.57 | 37.68 | 33.98 | 157 | 280 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10619.56 | 55.56 | 74.00 | -18.44 | 40.59 | 10.19 | 38.40 | 33.62 | 154 | 341 | Peak | HORIZONTAL |
| 2 | 10623.16 | 42.43 | 54.00 | -11.57 | 27.46 | 10.19 | 38.40 | 33.62 | 154 | 341 | Average | HORIZONTAL |
| 3 | 15923.84 | 59.95 | 74.00 | -14.05 | 43.96 | 12.56 | 37.51 | 34.08 | 156 | 326 | Peak | HORIZONTAL |
| 4 | 15925.76 | 46.98 | 54.00 | -7.02 | 30.99 | 12.56 | 37.51 | 34.08 | 156 | 326 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 10610.24 | 42.35 | 54.00 | -11.65 | 27.38 | 10.19 | 38.40 | 33.62 | 155 | 288 | Average | VERTICAL |
| 2 | 10613.76 | 55.17 | 74.00 | -18.83 | 40.20 | 10.19 | 38.40 | 33.62 | 155 | 288 | Peak | VERTICAL |
| 3 | 15920.96 | 47.24 | 54.00 | -6.76 | 31.25 | 12.56 | 37.51 | 34.08 | 158 | 308 | Average | VERTICAL |
| 4 | 15938.80 | 60.02 | 74.00 | -13.98 | 44.08 | 12.56 | 37.48 | 34.10 | 158 | 308 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11020.80 | 55.48 | 74.00 | -18.52 | 39.88 | 10.56 | 38.42 | 33.38 | 149 | 346 Peak | HORIZONTAL |
| 2 | 11027.64 | 42.08 | 54.00 | -11.92 | 26.47 | 10.56 | 38.43 | 33.38 | 149 | 346 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11015.28 | 54.84 | 74.00 | -19.16 | 39.24 | 10.56 | 38.42 | 33.38 | 152 | 326 Peak | VERTICAL |
| 2 | 11028.60 | 42.03 | 54.00 | -11.97 | 26.42 | 10.56 | 38.43 | 33.38 | 152 | 326 Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11094.04 | 55.68 | 74.00 | -18.32 | 39.98 | 10.58 | 38.50 | 33.38 | 161 | 299 Peak | HORIZONTAL |
| 2 | 11104.40 | 42.90 | 54.00 | -11.10 | 27.20 | 10.58 | 38.50 | 33.38 | 161 | 299 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11102.00 | 55.86 | 74.00 | -18.14 | 40.16 | 10.58 | 38.50 | 33.38 | 164 | 320 Peak | VERTICAL |
| 2 | 11109.68 | 43.19 | 54.00 | -10.81 | 27.47 | 10.58 | 38.52 | 33.38 | 164 | 320 Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11337.08 | 42.53 | 54.00 | -11.47 | 26.51 | 10.66 | 38.73 | 33.37 | 157 | 269 | Average | HORIZONTAL |
| 2 | 11339.60 | 55.14 | 74.00 | -18.86 | 39.12 | 10.66 | 38.73 | 33.37 | 157 | 269 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | | | | | | | | | | |
| 1 | 11347.76 | 42.82 | 54.00 | -11.18 | 26.77 | 10.67 | 38.75 | 33.37 | 159 | 284 | Average | VERTICAL |
| 2 | 11348.12 | 55.52 | 74.00 | -18.48 | 39.47 | 10.67 | 38.75 | 33.37 | 159 | 284 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11502.36 | 55.80 | 74.00 | -18.20 | 39.55 | 10.72 | 38.90 | 33.37 | 151 | 290 | Peak | HORIZONTAL |
| 2 | 11517.92 | 42.91 | 54.00 | -11.09 | 26.65 | 10.72 | 38.91 | 33.37 | 151 | 290 | Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 11500.64 | 42.88 | 54.00 | -11.12 | 26.63 | 10.72 | 38.90 | 33.37 | 153 | 276 | Average | VERTICAL |
| 2 | 11514.16 | 55.50 | 74.00 | -18.50 | 39.25 | 10.72 | 38.90 | 33.37 | 153 | 276 | Peak | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11596.92 | 55.80 | 74.00 | -18.20 | 39.47 | 10.78 | 38.95 | 33.40 | 153 | 259 Peak | HORIZONTAL |
| 2 | 11597.32 | 43.51 | 54.00 | -10.49 | 27.18 | 10.78 | 38.95 | 33.40 | 153 | 259 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamplifier | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11582.24 | 56.40 | 74.00 | -17.60 | 40.09 | 10.76 | 38.94 | 33.39 | 155 | 272 Peak | VERTICAL |
| 2 | 11596.36 | 43.61 | 54.00 | -10.39 | 27.28 | 10.78 | 38.95 | 33.40 | 155 | 272 Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15622.96 | 60.48 | 74.00 | -13.52 | 43.67 | 12.58 | 38.01 | 33.78 | 150 | 218 Peak | HORIZONTAL |
| 2 | 15634.36 | 47.23 | 54.00 | -6.77 | 30.47 | 12.58 | 37.98 | 33.80 | 150 | 218 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15623.64 | 60.83 | 74.00 | -13.17 | 44.02 | 12.58 | 38.01 | 33.78 | 152 | 240 Peak | VERTICAL |
| 2 | 15623.80 | 47.35 | 54.00 | -6.65 | 30.54 | 12.58 | 38.01 | 33.78 | 152 | 240 Average | VERTICAL |



SPORTON LAB.

Report No.: FR441804-21AB

| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15864.64 | 59.00 | 74.00 | -15.00 | 42.84 | 12.57 | 37.62 | 34.03 | 151 | 224 Peak | HORIZONTAL |
| 2 | 15876.44 | 46.64 | 54.00 | -7.36 | 30.51 | 12.57 | 37.59 | 34.03 | 151 | 224 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15870.96 | 59.60 | 74.00 | -14.40 | 43.47 | 12.57 | 37.59 | 34.03 | 153 | 204 Peak | VERTICAL |
| 2 | 15877.44 | 46.67 | 54.00 | -7.33 | 30.54 | 12.57 | 37.59 | 34.03 | 153 | 204 Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11056.92 | 55.13 | 74.00 | -18.87 | 39.47 | 10.57 | 38.47 | 33.38 | 150 | 223 Peak | HORIZONTAL |
| 2 | 11066.28 | 42.51 | 54.00 | -11.49 | 26.84 | 10.58 | 38.47 | 33.38 | 150 | 223 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11061.28 | 55.09 | 74.00 | -18.91 | 39.42 | 10.58 | 38.47 | 33.38 | 153 | 207 Peak | VERTICAL |
| 2 | 11064.36 | 42.44 | 54.00 | -11.56 | 26.77 | 10.58 | 38.47 | 33.38 | 153 | 207 Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dB | dB | dB | dB/m | dB | cm | deg | | |
| 1 | 11215.72 | 42.55 | 54.00 | -11.45 | 26.68 | 10.63 | 38.62 | 33.38 | 154 | 185 | Average | HORIZONTAL |
| 2 | 11219.76 | 55.99 | 74.00 | -18.01 | 40.12 | 10.63 | 38.62 | 33.38 | 154 | 185 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dB | dB | dB | dB/m | dB | cm | deg | | |
| 1 | 11223.80 | 55.57 | 74.00 | -18.43 | 39.70 | 10.63 | 38.62 | 33.38 | 152 | 205 | Peak | VERTICAL |
| 2 | 11224.28 | 42.78 | 54.00 | -11.22 | 26.91 | 10.63 | 38.62 | 33.38 | 152 | 205 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11549.44 | 56.29 | 74.00 | -17.71 | 39.99 | 10.75 | 38.93 | 33.38 | 151 | 288 Peak | HORIZONTAL |
| 2 | 11559.32 | 42.92 | 54.00 | -11.08 | 26.62 | 10.75 | 38.93 | 33.38 | 151 | 288 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11553.12 | 55.30 | 74.00 | -18.70 | 39.00 | 10.75 | 38.93 | 33.38 | 155 | 260 Peak | VERTICAL |
| 2 | 11559.68 | 42.99 | 54.00 | -11.01 | 26.69 | 10.75 | 38.93 | 33.38 | 155 | 260 Average | VERTICAL |



Straddle Channel

| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11439.84 | 49.54 | 54.00 | -4.46 | 33.39 | 10.69 | 38.83 | 33.37 | 150 | 293 | Average | HORIZONTAL |
| 2 | 11439.92 | 64.74 | 74.00 | -9.26 | 48.59 | 10.69 | 38.83 | 33.37 | 150 | 293 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11438.72 | 62.16 | 74.00 | -11.84 | 46.01 | 10.69 | 38.83 | 33.37 | 152 | 206 | Peak | VERTICAL |
| 2 | 11439.88 | 49.04 | 54.00 | -4.96 | 32.89 | 10.69 | 38.83 | 33.37 | 152 | 206 | Average | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11418.72 | 60.32 | 74.00 | -13.68 | 44.18 | 10.69 | 38.82 | 33.37 | 151 | 288 Peak | HORIZONTAL |
| 2 | 11427.60 | 46.01 | 54.00 | -7.99 | 29.87 | 10.69 | 38.82 | 33.37 | 151 | 288 Average | HORIZONTAL |

Vertical

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|--------|-------|--------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | | | |
| 1 | 11419.64 | 42.94 | 54.00 | -11.06 | 26.80 | 10.69 | 38.82 | 33.37 | 151 | 171 Average | VERTICAL |
| 2 | 11420.92 | 55.29 | 74.00 | -18.71 | 39.15 | 10.69 | 38.82 | 33.37 | 151 | 171 Peak | VERTICAL |



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Horizontal

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11370.08 | 43.02 | 54.00 | -10.98 | 26.94 | 10.68 | 38.77 | 33.37 | 151 | 233 | Average | HORIZONTAL |
| 2 | 11380.40 | 56.51 | 74.00 | -17.49 | 40.42 | 10.68 | 38.78 | 33.37 | 151 | 233 | Peak | HORIZONTAL |

Vertical

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|----------|-------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 11377.56 | 44.49 | 54.00 | -9.51 | 28.41 | 10.68 | 38.77 | 33.37 | 154 | 208 | Average | VERTICAL |
| 2 | 11380.76 | 57.32 | 74.00 | -16.68 | 41.23 | 10.68 | 38.78 | 33.37 | 154 | 208 | Peak | VERTICAL |

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

4.7. Band Edge Emissions Measurement

4.7.1. Limit

For transmitters operating in the 5.15-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.470-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequencies (MHz) | Field Strength (microvolt/meter) | Measurement Distance (meters) |
|-------------------|----------------------------------|-------------------------------|
| 0.009~0.490 | 2400/F(kHz) | 300 |
| 0.490~1.705 | 24000/F(kHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| Above 960 | 500 | 3 |

4.7.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

| Spectrum Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Span Frequency | 100 MHz |
| RBW / VBW (Emission in restricted band) | 1MHz / 3MHz for Peak, 1MHz / 1/T for Average |
| RBW / VBW (Emission in non-restricted band) | 1MHz / 3MHz for Peak |

4.7.3. Test Procedures

- The test procedure is the same as section 4.6.3.

4.7.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.6.4.



4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

For STBC mode:

The EUT was programmed to be in continuously transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

<For Non-Beamforming Mode>

| | | | |
|----------------------|---|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 36

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|-----------|--------|--------|--------|------------|------------|-------|----------------|---------------|-------|---------|------------|-----------|
| | | Line | dBuV/m | | | Loss | Antenna Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 5150.00 | 52.66 | 54.00 | -1.34 | 45.76 | 6.21 | 33.74 | 33.05 | 209 | 355 | Average | HORIZONTAL | |
| 2 5150.00 | 72.49 | 74.00 | -1.51 | 65.59 | 6.21 | 33.74 | 33.05 | 209 | 355 | Peak | HORIZONTAL | |
| 3 5178.40 | 113.34 | | | 106.36 | 6.24 | 33.79 | 33.05 | 209 | 355 | Peak | HORIZONTAL | |
| 4 5178.88 | 101.81 | | | 94.83 | 6.24 | 33.79 | 33.05 | 209 | 355 | Average | HORIZONTAL | |

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|-----------|--------|--------|--------|------------|------------|-------|----------------|---------------|-------|---------|------------|-----------|
| | | Line | dBuV/m | | | Loss | Antenna Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 5150.00 | 52.49 | 54.00 | -1.51 | 45.59 | 6.21 | 33.74 | 33.05 | 168 | 354 | Average | HORIZONTAL | |
| 2 5150.00 | 68.35 | 74.00 | -5.65 | 61.45 | 6.21 | 33.74 | 33.05 | 168 | 354 | Peak | HORIZONTAL | |
| 3 5198.72 | 105.90 | | | 98.86 | 6.27 | 33.82 | 33.05 | 168 | 354 | Average | HORIZONTAL | |
| 4 5199.68 | 116.69 | | | 109.65 | 6.27 | 33.82 | 33.05 | 168 | 354 | Peak | HORIZONTAL | |

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|-----------|--------|--------|--------|------------|------------|-------|----------------|---------------|-------|---------|------------|-----------|
| | | Line | dBuV/m | | | Loss | Antenna Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 5117.89 | 62.91 | 74.00 | -11.09 | 56.13 | 6.14 | 33.69 | 33.05 | 144 | 355 | Peak | HORIZONTAL | |
| 2 5121.25 | 50.55 | 54.00 | -3.45 | 43.74 | 6.17 | 33.69 | 33.05 | 144 | 355 | Average | HORIZONTAL | |
| 3 5236.64 | 115.52 | | | 108.40 | 6.30 | 33.87 | 33.05 | 144 | 355 | Peak | HORIZONTAL | |
| 4 5238.56 | 104.11 | | | 96.99 | 6.30 | 33.87 | 33.05 | 144 | 355 | Average | HORIZONTAL | |
| 5 5352.98 | 62.72 | 74.00 | -11.28 | 55.25 | 6.47 | 34.06 | 33.06 | 144 | 355 | Peak | HORIZONTAL | |
| 6 5357.31 | 50.52 | 54.00 | -3.48 | 43.05 | 6.47 | 34.06 | 33.06 | 144 | 355 | Average | HORIZONTAL | |

Item 3, 4 are the fundamental frequency at 5240 MHz.



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 52

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|-------|-------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | | | | |
| 1 | 5138.37 | 64.58 | 74.00 | -9.42 | 57.75 | 6.17 | 33.71 | 33.05 | 152 | 353 | Peak | HORIZONTAL |
| 2 | 5140.77 | 52.61 | 54.00 | -1.39 | 45.75 | 6.17 | 33.74 | 33.05 | 152 | 353 | Average | HORIZONTAL |
| 3 | 5260.96 | 107.55 | | | 100.34 | 6.34 | 33.93 | 33.06 | 152 | 353 | Average | HORIZONTAL |
| 4 | 5265.77 | 118.66 | | | 111.45 | 6.34 | 33.93 | 33.06 | 152 | 353 | Peak | HORIZONTAL |
| 5 | 5376.83 | 64.96 | 74.00 | -9.04 | 57.43 | 6.50 | 34.09 | 33.06 | 152 | 353 | Peak | HORIZONTAL |
| 6 | 5381.15 | 52.09 | 54.00 | -1.91 | 44.54 | 6.50 | 34.11 | 33.06 | 152 | 353 | Average | HORIZONTAL |

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

Channel 60

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|-------|-------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | | | | |
| 1 | 5298.56 | 105.90 | | | 98.58 | 6.40 | 33.98 | 33.06 | 171 | 352 | Average | HORIZONTAL |
| 2 | 5298.56 | 116.76 | | | 109.44 | 6.40 | 33.98 | 33.06 | 171 | 352 | Peak | HORIZONTAL |
| 3 | 5350.00 | 52.91 | 54.00 | -1.09 | 45.44 | 6.47 | 34.06 | 33.06 | 171 | 352 | Average | HORIZONTAL |
| 4 | 5351.44 | 68.23 | 74.00 | -5.77 | 60.76 | 6.47 | 34.06 | 33.06 | 171 | 352 | Peak | HORIZONTAL |

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

Channel 64

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|-------|-------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | | | | |
| 1 | 5321.28 | 102.07 | | | 94.72 | 6.40 | 34.01 | 33.06 | 181 | 352 | Average | HORIZONTAL |
| 2 | 5323.21 | 113.12 | | | 105.74 | 6.43 | 34.01 | 33.06 | 181 | 352 | Peak | HORIZONTAL |
| 3 | 5350.00 | 52.44 | 54.00 | -1.56 | 44.97 | 6.47 | 34.06 | 33.06 | 181 | 352 | Average | HORIZONTAL |
| 4 | 5350.00 | 67.36 | 74.00 | -6.64 | 59.89 | 6.47 | 34.06 | 33.06 | 181 | 352 | Peak | HORIZONTAL |

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

| | | | |
|----------------------|---|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 100

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|--------|--------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5378.80 | 49.34 | 54.00 | -4.66 | 41.79 | 6.50 | 34.11 | 33.06 | 167 | 356 Average | HORIZONTAL |
| 2 | 5459.62 | 63.43 | 74.00 | -10.57 | 55.67 | 6.60 | 34.22 | 33.06 | 167 | 356 Peak | HORIZONTAL |
| 3 | 5469.23 | 70.31 | 74.00 | -3.69 | 62.52 | 6.60 | 34.25 | 33.06 | 167 | 356 Peak | HORIZONTAL |
| 4 | 5470.00 | 52.32 | 54.00 | -1.68 | 44.53 | 6.60 | 34.25 | 33.06 | 167 | 356 Average | HORIZONTAL |
| 5 | 5501.28 | 102.96 | | | 95.08 | 6.65 | 34.30 | 33.07 | 167 | 356 Average | HORIZONTAL |
| 6 | 5501.28 | 115.04 | | | 107.16 | 6.65 | 34.30 | 33.07 | 167 | 356 Peak | HORIZONTAL |

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

Channel 116

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|--------|--------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5457.40 | 63.53 | 74.00 | -10.47 | 55.77 | 6.60 | 34.22 | 33.06 | 139 | 352 Peak | HORIZONTAL |
| 2 | 5458.85 | 52.70 | 54.00 | -1.30 | 44.94 | 6.60 | 34.22 | 33.06 | 139 | 352 Average | HORIZONTAL |
| 3 | 5460.96 | 52.71 | 54.00 | -1.29 | 44.95 | 6.60 | 34.22 | 33.06 | 139 | 352 Average | HORIZONTAL |
| 4 | 5460.96 | 64.54 | 74.00 | -9.46 | 56.78 | 6.60 | 34.22 | 33.06 | 139 | 352 Peak | HORIZONTAL |
| 5 | 5578.56 | 115.19 | | | 107.22 | 6.72 | 34.34 | 33.09 | 139 | 352 Peak | HORIZONTAL |
| 6 | 5581.44 | 104.93 | | | 96.96 | 6.72 | 34.34 | 33.09 | 139 | 352 Average | HORIZONTAL |
| 7 | 5725.00 | 48.25 | 54.00 | -5.75 | 40.12 | 6.83 | 34.43 | 33.13 | 139 | 352 Average | HORIZONTAL |
| 8 | 5725.00 | 59.36 | 74.00 | -14.64 | 51.23 | 6.83 | 34.43 | 33.13 | 139 | 352 Peak | HORIZONTAL |

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

Channel 140

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|-------|--------|---------|--------|-------|-------|-----------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5698.40 | 100.72 | | | 92.62 | 6.81 | 34.41 | 33.12 | 150 | 0 Average | HORIZONTAL |
| 2 | 5701.92 | 112.53 | | | 104.42 | 6.81 | 34.42 | 33.12 | 150 | 0 Peak | HORIZONTAL |
| 3 | 5725.00 | 52.62 | 54.00 | -1.38 | 44.49 | 6.83 | 34.43 | 33.13 | 150 | 0 Average | HORIZONTAL |
| 4 | 5725.00 | 72.67 | 74.00 | -1.33 | 64.54 | 6.83 | 34.43 | 33.13 | 150 | 0 Peak | HORIZONTAL |

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

| | | | |
|----------------------|---|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 149

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|-------|--------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5711.03 | 67.08 | 68.20 | -1.12 | 58.96 | 6.83 | 34.42 | 33.13 | 142 | 362 Peak | HORIZONTAL |
| 2 | 5725.00 | 76.49 | 78.20 | -1.71 | 68.36 | 6.83 | 34.43 | 33.13 | 142 | 362 Peak | HORIZONTAL |
| 3 | 5743.08 | 100.72 | | | 92.56 | 6.86 | 34.44 | 33.14 | 142 | 362 Average | HORIZONTAL |
| 4 | 5743.72 | 111.93 | | | 103.77 | 6.86 | 34.44 | 33.14 | 142 | 362 Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|--------|--------|---------|--------|-------|-------|-----------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5712.56 | 66.44 | 68.20 | -1.76 | 58.32 | 6.83 | 34.42 | 33.13 | 214 | 2 Peak | HORIZONTAL |
| 2 | 5718.85 | 66.44 | 78.20 | -11.76 | 58.31 | 6.83 | 34.43 | 33.13 | 214 | 2 Peak | HORIZONTAL |
| 3 | 5786.28 | 106.22 | | | 98.00 | 6.90 | 34.48 | 33.16 | 214 | 2 Average | HORIZONTAL |
| 4 | 5786.28 | 117.57 | | | 109.35 | 6.90 | 34.48 | 33.16 | 214 | 2 Peak | HORIZONTAL |
| 5 | 5852.95 | 67.62 | 78.20 | -10.58 | 59.33 | 6.95 | 34.51 | 33.17 | 214 | 2 Peak | HORIZONTAL |
| 6 | 5865.77 | 66.35 | 68.20 | -1.85 | 58.04 | 6.97 | 34.52 | 33.18 | 214 | 2 Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|-------|--------|---------|--------|-------|-------|-----------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5823.40 | 113.39 | | | 105.13 | 6.92 | 34.50 | 33.16 | 162 | 1 Peak | HORIZONTAL |
| 2 | 5824.04 | 102.07 | | | 93.81 | 6.92 | 34.50 | 33.16 | 162 | 1 Average | HORIZONTAL |
| 3 | 5850.00 | 76.84 | 78.20 | -1.36 | 68.55 | 6.95 | 34.51 | 33.17 | 162 | 1 Peak | HORIZONTAL |
| 4 | 5860.32 | 68.63 | 74.00 | -5.37 | 60.32 | 6.97 | 34.52 | 33.18 | 162 | 1 Peak | HORIZONTAL |
| 5 | 5907.05 | 50.70 | 54.00 | -3.30 | 42.35 | 6.99 | 34.55 | 33.19 | 162 | 1 Average | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5825 MHz.

| | | | |
|----------------------|---|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 38

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| MHz | | dBuV/m | dBuV/m | | | | | | | | | |
| 1 | 5147.69 | 70.56 | 74.00 | -3.44 | 63.66 | 6.21 | 33.74 | 33.05 | 159 | 348 | Peak | HORIZONTAL |
| 2 | 5149.62 | 52.26 | 54.00 | -1.74 | 45.36 | 6.21 | 33.74 | 33.05 | 159 | 348 | Average | HORIZONTAL |
| 3 | 5186.15 | 110.61 | | | 103.63 | 6.24 | 33.79 | 33.05 | 159 | 348 | Peak | HORIZONTAL |
| 4 | 5186.47 | 99.60 | | | 92.62 | 6.24 | 33.79 | 33.05 | 159 | 348 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| MHz | | dBuV/m | dBuV/m | | | | | | | | | |
| 1 | 5139.94 | 66.76 | 74.00 | -7.24 | 59.90 | 6.17 | 33.74 | 33.05 | 149 | 351 | Peak | HORIZONTAL |
| 2 | 5148.91 | 52.96 | 54.00 | -1.04 | 46.06 | 6.21 | 33.74 | 33.05 | 149 | 351 | Average | HORIZONTAL |
| 3 | 5225.83 | 103.28 | | | 96.16 | 6.30 | 33.87 | 33.05 | 149 | 351 | Average | HORIZONTAL |
| 4 | 5227.44 | 112.73 | | | 105.61 | 6.30 | 33.87 | 33.05 | 149 | 351 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5230 MHz.



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 54

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5265.83 | 113.47 | | | 106.26 | 6.34 | 33.93 | 33.06 | 151 | 347 | Peak | HORIZONTAL |
| 2 | 5266.47 | 103.12 | | | 95.91 | 6.34 | 33.93 | 33.06 | 151 | 347 | Average | HORIZONTAL |
| 3 | 5351.09 | 52.80 | 54.00 | -1.20 | 45.33 | 6.47 | 34.06 | 33.06 | 151 | 347 | Average | HORIZONTAL |
| 4 | 5357.18 | 65.26 | 74.00 | -8.74 | 57.79 | 6.47 | 34.06 | 33.06 | 151 | 347 | Peak | HORIZONTAL |

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

Channel 62

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5304.87 | 108.40 | | | 101.08 | 6.40 | 33.98 | 33.06 | 164 | 353 | Peak | HORIZONTAL |
| 2 | 5314.49 | 98.08 | | | 90.73 | 6.40 | 34.01 | 33.06 | 164 | 353 | Average | HORIZONTAL |
| 3 | 5350.00 | 52.97 | 54.00 | -1.03 | 45.50 | 6.47 | 34.06 | 33.06 | 164 | 353 | Average | HORIZONTAL |
| 4 | 5351.03 | 69.46 | 74.00 | -4.54 | 61.99 | 6.47 | 34.06 | 33.06 | 164 | 353 | Peak | HORIZONTAL |

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 102

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5457.12 | 68.36 | 74.00 | -5.64 | 60.60 | 6.60 | 34.22 | 33.06 | 175 | 352 | Peak | HORIZONTAL |
| 2 | 5459.68 | 50.77 | 54.00 | -3.23 | 43.01 | 6.60 | 34.22 | 33.06 | 175 | 352 | Average | HORIZONTAL |
| 3 | 5469.62 | 52.79 | 54.00 | -1.21 | 45.00 | 6.60 | 34.25 | 33.06 | 175 | 352 | Average | HORIZONTAL |
| 4 | 5469.62 | 72.31 | 74.00 | -1.69 | 64.52 | 6.60 | 34.25 | 33.06 | 175 | 352 | Peak | HORIZONTAL |
| 5 | 5512.89 | 110.87 | | | 102.99 | 6.65 | 34.30 | 33.07 | 175 | 352 | Peak | HORIZONTAL |
| 6 | 5514.49 | 100.46 | | | 92.57 | 6.65 | 34.31 | 33.07 | 175 | 352 | Average | HORIZONTAL |

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

Channel 110

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5457.05 | 65.47 | 74.00 | -8.53 | 57.71 | 6.60 | 34.22 | 33.06 | 149 | 361 | Peak | HORIZONTAL |
| 2 | 5458.97 | 51.94 | 54.00 | -2.06 | 44.18 | 6.60 | 34.22 | 33.06 | 149 | 361 | Average | HORIZONTAL |
| 3 | 5467.63 | 52.69 | 54.00 | -1.31 | 44.90 | 6.60 | 34.25 | 33.06 | 149 | 361 | Average | HORIZONTAL |
| 4 | 5468.27 | 69.05 | 74.00 | -4.95 | 61.26 | 6.60 | 34.25 | 33.06 | 149 | 361 | Peak | HORIZONTAL |
| 5 | 5543.59 | 112.65 | | | 104.73 | 6.68 | 34.32 | 33.08 | 149 | 361 | Peak | HORIZONTAL |
| 6 | 5545.19 | 102.80 | | | 94.88 | 6.68 | 34.32 | 33.08 | 149 | 361 | Average | HORIZONTAL |

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

Channel 134

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5674.49 | 100.36 | | | 92.29 | 6.79 | 34.40 | 33.12 | 153 | 2 | Average | HORIZONTAL |
| 2 | 5675.45 | 111.47 | | | 103.40 | 6.79 | 34.40 | 33.12 | 153 | 2 | Peak | HORIZONTAL |
| 3 | 5728.65 | 52.75 | 54.00 | -1.25 | 44.62 | 6.83 | 34.43 | 33.13 | 153 | 2 | Average | HORIZONTAL |
| 4 | 5732.18 | 70.94 | 74.00 | -3.06 | 62.79 | 6.86 | 34.43 | 33.14 | 153 | 2 | Peak | HORIZONTAL |

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



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 151

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5710.93 | 66.50 | 68.20 | -1.70 | 58.38 | 6.83 | 34.42 | 33.13 | 140 | 1 | Peak | HORIZONTAL |
| 2 | 5724.55 | 70.97 | 78.20 | -7.23 | 62.84 | 6.83 | 34.43 | 33.13 | 140 | 1 | Peak | HORIZONTAL |
| 3 | 5741.38 | 97.28 | | | 89.12 | 6.86 | 34.44 | 33.14 | 140 | 1 | Average | HORIZONTAL |
| 4 | 5750.99 | 107.06 | | | 98.90 | 6.86 | 34.44 | 33.14 | 140 | 1 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5755 MHz.

Channel 159

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5701.73 | 62.60 | 68.20 | -5.60 | 54.49 | 6.81 | 34.42 | 33.12 | 209 | 357 | Peak | HORIZONTAL |
| 2 | 5724.49 | 64.27 | 78.20 | -13.93 | 56.14 | 6.83 | 34.43 | 33.13 | 209 | 357 | Peak | HORIZONTAL |
| 3 | 5806.22 | 110.23 | | | 102.00 | 6.90 | 34.49 | 33.16 | 209 | 357 | Peak | HORIZONTAL |
| 4 | 5809.10 | 100.00 | | | 91.75 | 6.92 | 34.49 | 33.16 | 209 | 357 | Average | HORIZONTAL |
| 5 | 5850.00 | 70.38 | 78.20 | -7.82 | 62.09 | 6.95 | 34.51 | 33.17 | 209 | 357 | Peak | HORIZONTAL |
| 6 | 5862.31 | 66.83 | 68.20 | -1.37 | 58.52 | 6.97 | 34.52 | 33.18 | 209 | 357 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5795 MHz.



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 42

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5142.69 | 71.97 | 74.00 | -2.03 | 65.11 | 6.17 | 33.74 | 33.05 | 155 | 351 | Peak | HORIZONTAL |
| 2 | 5145.10 | 52.59 | 54.00 | -1.41 | 45.69 | 6.21 | 33.74 | 33.05 | 155 | 351 | Average | HORIZONTAL |
| 3 | 5201.19 | 106.29 | | | 99.25 | 6.27 | 33.82 | 33.05 | 155 | 351 | Peak | HORIZONTAL |
| 4 | 5220.42 | 96.50 | | | 89.40 | 6.30 | 33.85 | 33.05 | 155 | 351 | Average | HORIZONTAL |
| 5 | 5351.03 | 60.13 | 74.00 | -13.87 | 52.66 | 6.47 | 34.06 | 33.06 | 155 | 351 | Peak | HORIZONTAL |
| 6 | 5352.63 | 48.52 | 54.00 | -5.48 | 41.05 | 6.47 | 34.06 | 33.06 | 155 | 351 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 58

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5138.56 | 58.94 | 74.00 | -15.06 | 52.11 | 6.17 | 33.71 | 33.05 | 153 | 353 | Peak | HORIZONTAL |
| 2 | 5144.97 | 47.88 | 54.00 | -6.12 | 40.98 | 6.21 | 33.74 | 33.05 | 153 | 353 | Average | HORIZONTAL |
| 3 | 5280.39 | 94.45 | | | 87.19 | 6.37 | 33.95 | 33.06 | 153 | 353 | Average | HORIZONTAL |
| 4 | 5306.03 | 104.54 | | | 97.22 | 6.40 | 33.98 | 33.06 | 153 | 353 | Peak | HORIZONTAL |
| 5 | 5350.90 | 52.67 | 54.00 | -1.33 | 45.20 | 6.47 | 34.06 | 33.06 | 153 | 353 | Average | HORIZONTAL |
| 6 | 5351.70 | 69.28 | 74.00 | -4.72 | 61.81 | 6.47 | 34.06 | 33.06 | 153 | 353 | Peak | HORIZONTAL |

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 106

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| MHz | dBuV/m | dBuV/m | dB | | | | | | | | | |
| 1 | 5458.69 | 69.01 | 74.00 | -4.99 | 61.25 | 6.60 | 34.22 | 33.06 | 150 | 348 | Peak | HORIZONTAL |
| 2 | 5460.00 | 52.05 | 54.00 | -1.95 | 44.29 | 6.60 | 34.22 | 33.06 | 150 | 348 | Average | HORIZONTAL |
| 3 | 5463.49 | 71.97 | 74.00 | -2.03 | 64.18 | 6.60 | 34.25 | 33.06 | 150 | 348 | Peak | HORIZONTAL |
| 4 | 5470.00 | 52.73 | 54.00 | -1.27 | 44.94 | 6.60 | 34.25 | 33.06 | 150 | 348 | Average | HORIZONTAL |
| 5 | 5516.38 | 107.55 | | | 99.66 | 6.65 | 34.31 | 33.07 | 150 | 348 | Peak | HORIZONTAL |
| 6 | 5520.39 | 97.16 | | | 89.27 | 6.65 | 34.31 | 33.07 | 150 | 348 | Average | HORIZONTAL |
| 7 | 5728.21 | 47.89 | 54.00 | -6.11 | 39.76 | 6.83 | 34.43 | 33.13 | 150 | 348 | Average | HORIZONTAL |
| 8 | 5743.14 | 61.02 | 74.00 | -12.98 | 52.86 | 6.86 | 34.44 | 33.14 | 150 | 348 | Peak | HORIZONTAL |

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

Channel 122

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| MHz | dBuV/m | dBuV/m | dB | | | | | | | | | |
| 1 | 5448.94 | 61.84 | 74.00 | -12.16 | 54.12 | 6.56 | 34.22 | 33.06 | 147 | 3 | Peak | HORIZONTAL |
| 2 | 5459.36 | 50.19 | 54.00 | -3.81 | 42.43 | 6.60 | 34.22 | 33.06 | 147 | 3 | Average | HORIZONTAL |
| 3 | 5464.17 | 63.44 | 74.00 | -10.56 | 55.65 | 6.60 | 34.25 | 33.06 | 147 | 3 | Peak | HORIZONTAL |
| 4 | 5470.00 | 50.88 | 54.00 | -3.12 | 43.09 | 6.60 | 34.25 | 33.06 | 147 | 3 | Average | HORIZONTAL |
| 5 | 5618.81 | 108.74 | | | 100.73 | 6.74 | 34.37 | 33.10 | 147 | 3 | Peak | HORIZONTAL |
| 6 | 5620.42 | 98.20 | | | 90.19 | 6.74 | 34.37 | 33.10 | 147 | 3 | Average | HORIZONTAL |
| 7 | 5726.19 | 52.93 | 54.00 | -1.07 | 44.80 | 6.83 | 34.43 | 33.13 | 147 | 3 | Average | HORIZONTAL |
| 8 | 5731.80 | 67.50 | 74.00 | -6.50 | 59.35 | 6.86 | 34.43 | 33.14 | 147 | 3 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 155

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| MHz | dBuV/m | dBuV/m | dB | | | | | | | | | |
| 1 | 5710.90 | 67.13 | 68.20 | -1.07 | 59.01 | 6.83 | 34.42 | 33.13 | 206 | 2 | Peak | HORIZONTAL |
| 2 | 5725.00 | 69.66 | 78.20 | -8.54 | 61.53 | 6.83 | 34.43 | 33.13 | 206 | 2 | Peak | HORIZONTAL |
| 3 | 5800.64 | 95.10 | | | 86.88 | 6.90 | 34.48 | 33.16 | 206 | 2 | Average | HORIZONTAL |
| 4 | 5801.44 | 105.51 | | | 97.29 | 6.90 | 34.48 | 33.16 | 206 | 2 | Peak | HORIZONTAL |
| 5 | 5855.13 | 67.21 | 78.20 | -10.99 | 58.91 | 6.95 | 34.52 | 33.17 | 206 | 2 | Peak | HORIZONTAL |
| 6 | 5863.94 | 66.24 | 68.20 | -1.96 | 57.93 | 6.97 | 34.52 | 33.18 | 206 | 2 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5775 MHz.



Straddle Channel

| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 144

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5718.56 | 108.37 | | | 100.24 | 6.83 | 34.43 | 33.13 | 152 | 0 | Average | HORIZONTAL |
| 2 | 5719.04 | 119.62 | | | 111.49 | 6.83 | 34.43 | 33.13 | 152 | 0 | Peak | HORIZONTAL |
| 3 | 5854.14 | 64.76 | 68.20 | -3.44 | 56.46 | 6.95 | 34.52 | 33.17 | 152 | 0 | Peak | HORIZONTAL |

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 142

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5705.19 | 116.11 | | | 107.99 | 6.83 | 34.42 | 33.13 | 142 | 358 | Peak | HORIZONTAL |
| 2 | 5715.61 | 105.69 | | | 97.57 | 6.83 | 34.42 | 33.13 | 142 | 358 | Average | HORIZONTAL |
| 3 | 5853.43 | 66.81 | 68.20 | -1.39 | 58.52 | 6.95 | 34.51 | 33.17 | 142 | 358 | Peak | HORIZONTAL |

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 2 |
| Test Date | Jul. 27, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX) | | |

Channel 138

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5676.38 | 110.25 | | | 102.18 | 6.79 | 34.40 | 33.12 | 147 | 354 | Peak | HORIZONTAL |
| 2 | 5681.99 | 100.25 | | | 92.16 | 6.81 | 34.40 | 33.12 | 147 | 354 | Average | HORIZONTAL |
| 3 | 5874.30 | 67.12 | 68.20 | -1.08 | 58.80 | 6.97 | 34.53 | 33.18 | 147 | 354 | 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 | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 36

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|----------------|---------------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Antenna Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5150.00 | 52.91 | 54.00 | -1.09 | 46.01 | 6.21 | 33.74 | 33.05 | 162 | 341 | Average | HORIZONTAL |
| 2 | 5150.20 | 70.60 | 74.00 | -3.40 | 63.70 | 6.21 | 33.74 | 33.05 | 162 | 341 | Peak | HORIZONTAL |
| 3 | 5179.20 | 102.08 | | | 95.10 | 6.24 | 33.79 | 33.05 | 162 | 341 | Average | HORIZONTAL |
| 4 | 5180.80 | 113.81 | | | 106.83 | 6.24 | 33.79 | 33.05 | 162 | 341 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|----------------|---------------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Antenna Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5150.00 | 52.87 | 54.00 | -1.13 | 45.97 | 6.21 | 33.74 | 33.05 | 158 | 337 | Average | HORIZONTAL |
| 2 | 5150.00 | 69.00 | 74.00 | -5.00 | 62.10 | 6.21 | 33.74 | 33.05 | 158 | 337 | Peak | HORIZONTAL |
| 3 | 5199.20 | 106.80 | | | 99.76 | 6.27 | 33.82 | 33.05 | 158 | 337 | Average | HORIZONTAL |
| 4 | 5201.60 | 118.57 | | | 111.53 | 6.27 | 33.82 | 33.05 | 158 | 337 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|----------------|---------------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Antenna Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5111.80 | 62.32 | 74.00 | -11.68 | 55.54 | 6.14 | 33.69 | 33.05 | 161 | 334 | Peak | HORIZONTAL |
| 2 | 5118.21 | 49.17 | 54.00 | -4.83 | 42.39 | 6.14 | 33.69 | 33.05 | 161 | 334 | Average | HORIZONTAL |
| 3 | 5236.80 | 115.92 | | | 108.80 | 6.30 | 33.87 | 33.05 | 161 | 334 | Peak | HORIZONTAL |
| 4 | 5237.60 | 104.15 | | | 97.03 | 6.30 | 33.87 | 33.05 | 161 | 334 | Average | HORIZONTAL |
| 5 | 5352.40 | 60.68 | 74.00 | -13.32 | 53.21 | 6.47 | 34.06 | 33.06 | 161 | 334 | Peak | HORIZONTAL |
| 6 | 5356.99 | 49.00 | 54.00 | -5.00 | 41.53 | 6.47 | 34.06 | 33.06 | 161 | 334 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5240 MHz.

| | | | |
|----------------------|---|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 52

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5138.21 | 52.70 | 54.00 | -1.30 | 45.87 | 6.17 | 33.71 | 33.05 | 149 | 337 | Average | HORIZONTAL |
| 2 | 5146.80 | 65.22 | 74.00 | -8.78 | 58.32 | 6.21 | 33.74 | 33.05 | 149 | 337 | Peak | HORIZONTAL |
| 3 | 5259.20 | 119.52 | | | 112.31 | 6.34 | 33.93 | 33.06 | 149 | 337 | Peak | HORIZONTAL |
| 4 | 5260.80 | 108.88 | | | 101.67 | 6.34 | 33.93 | 33.06 | 149 | 337 | Average | HORIZONTAL |
| 5 | 5372.18 | 52.12 | 54.00 | -1.88 | 44.62 | 6.47 | 34.09 | 33.06 | 149 | 337 | Average | HORIZONTAL |
| 6 | 5372.98 | 64.95 | 74.00 | -9.05 | 57.45 | 6.47 | 34.09 | 33.06 | 149 | 337 | Peak | HORIZONTAL |

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

Channel 60

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5299.20 | 105.67 | | | 98.35 | 6.40 | 33.98 | 33.06 | 167 | 339 | Average | HORIZONTAL |
| 2 | 5306.41 | 117.07 | | | 109.75 | 6.40 | 33.98 | 33.06 | 167 | 339 | Peak | HORIZONTAL |
| 3 | 5350.00 | 52.78 | 54.00 | -1.22 | 45.31 | 6.47 | 34.06 | 33.06 | 167 | 339 | Average | HORIZONTAL |
| 4 | 5350.80 | 69.26 | 74.00 | -4.74 | 61.79 | 6.47 | 34.06 | 33.06 | 167 | 339 | Peak | HORIZONTAL |

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

Channel 64

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5318.40 | 114.62 | | | 107.27 | 6.40 | 34.01 | 33.06 | 162 | 335 | Peak | HORIZONTAL |
| 2 | 5321.60 | 102.37 | | | 95.02 | 6.40 | 34.01 | 33.06 | 162 | 335 | Average | HORIZONTAL |
| 3 | 5350.00 | 52.71 | 54.00 | -1.29 | 45.24 | 6.47 | 34.06 | 33.06 | 162 | 335 | Average | HORIZONTAL |
| 4 | 5353.65 | 68.59 | 74.00 | -5.41 | 61.12 | 6.47 | 34.06 | 33.06 | 162 | 335 | Peak | HORIZONTAL |

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

| | | | |
|----------------------|---|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 100

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5341.35 | 49.63 | 54.00 | -4.37 | 42.23 | 6.43 | 34.03 | 33.06 | 156 | 339 | Average | HORIZONTAL |
| 2 | 5455.19 | 64.64 | 74.00 | -9.36 | 56.88 | 6.60 | 34.22 | 33.06 | 156 | 339 | Peak | HORIZONTAL |
| 3 | 5467.60 | 71.88 | 74.00 | -2.12 | 64.09 | 6.60 | 34.25 | 33.06 | 156 | 339 | Peak | HORIZONTAL |
| 4 | 5470.00 | 52.74 | 54.00 | -1.26 | 44.95 | 6.60 | 34.25 | 33.06 | 156 | 339 | Average | HORIZONTAL |
| 5 | 5493.59 | 114.64 | | | 106.80 | 6.63 | 34.27 | 33.06 | 156 | 339 | Peak | HORIZONTAL |
| 6 | 5498.40 | 103.18 | | | 95.31 | 6.63 | 34.30 | 33.06 | 156 | 339 | Average | HORIZONTAL |

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

Channel 116

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5418.94 | 50.96 | 54.00 | -3.04 | 43.32 | 6.53 | 34.17 | 33.06 | 211 | 351 | Average | HORIZONTAL |
| 2 | 5444.58 | 64.08 | 74.00 | -9.92 | 56.39 | 6.56 | 34.19 | 33.06 | 211 | 351 | Peak | HORIZONTAL |
| 3 | 5460.80 | 50.65 | 54.00 | -3.35 | 42.89 | 6.60 | 34.22 | 33.06 | 211 | 351 | Average | HORIZONTAL |
| 4 | 5470.00 | 66.60 | 74.00 | -7.40 | 58.81 | 6.60 | 34.25 | 33.06 | 211 | 351 | Peak | HORIZONTAL |
| 5 | 5580.80 | 108.65 | | | 100.68 | 6.72 | 34.34 | 33.09 | 211 | 351 | Average | HORIZONTAL |
| 6 | 5581.60 | 120.21 | | | 112.23 | 6.72 | 34.35 | 33.09 | 211 | 351 | Peak | HORIZONTAL |
| 7 | 5733.81 | 64.33 | 74.00 | -9.67 | 56.18 | 6.86 | 34.43 | 33.14 | 211 | 351 | Peak | HORIZONTAL |
| 8 | 5738.65 | 51.43 | 54.00 | -2.57 | 43.27 | 6.86 | 34.44 | 33.14 | 211 | 351 | Average | HORIZONTAL |

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

Channel 140

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5697.60 | 100.55 | | | 92.45 | 6.81 | 34.41 | 33.12 | 156 | 348 | Average | HORIZONTAL |
| 2 | 5697.60 | 112.37 | | | 104.27 | 6.81 | 34.41 | 33.12 | 156 | 348 | Peak | HORIZONTAL |
| 3 | 5725.00 | 51.57 | 54.00 | -2.43 | 43.44 | 6.83 | 34.43 | 33.13 | 156 | 348 | Average | HORIZONTAL |
| 4 | 5729.81 | 72.62 | 74.00 | -1.38 | 64.49 | 6.83 | 34.43 | 33.13 | 156 | 348 | Peak | HORIZONTAL |

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

| | | | |
|----------------------|---|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 149

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|-------|--------|---------|--------|-------|-------|-----------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5622.56 | 51.22 | 54.00 | -2.78 | 43.21 | 6.74 | 34.37 | 33.10 | 146 | 3 Average | HORIZONTAL |
| 2 | 5714.23 | 70.34 | 74.00 | -3.66 | 62.22 | 6.83 | 34.42 | 33.13 | 146 | 3 Peak | HORIZONTAL |
| 3 | 5723.85 | 76.86 | 78.20 | -1.34 | 68.73 | 6.83 | 34.43 | 33.13 | 146 | 3 Peak | HORIZONTAL |
| 4 | 5737.95 | 101.62 | | | 93.46 | 6.86 | 34.44 | 33.14 | 146 | 3 Average | HORIZONTAL |
| 5 | 5739.23 | 113.71 | | | 105.55 | 6.86 | 34.44 | 33.14 | 146 | 3 Peak | HORIZONTAL |

Item 4, 5 are the fundamental frequency at 5745 MHz.

Channel 157

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|--------|--------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5713.40 | 66.99 | 68.20 | -1.21 | 58.87 | 6.83 | 34.42 | 33.13 | 204 | 353 Peak | HORIZONTAL |
| 2 | 5725.00 | 68.04 | 78.20 | -10.16 | 59.91 | 6.83 | 34.43 | 33.13 | 204 | 353 Peak | HORIZONTAL |
| 3 | 5783.40 | 117.88 | | | 109.67 | 6.90 | 34.47 | 33.16 | 204 | 353 Peak | HORIZONTAL |
| 4 | 5784.20 | 106.30 | | | 98.09 | 6.90 | 34.47 | 33.16 | 204 | 353 Average | HORIZONTAL |
| 5 | 5850.00 | 70.19 | 78.20 | -8.01 | 61.90 | 6.95 | 34.51 | 33.17 | 204 | 353 Peak | HORIZONTAL |
| 6 | 5868.01 | 66.51 | 68.20 | -1.69 | 58.20 | 6.97 | 34.52 | 33.18 | 204 | 353 Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|-------|--------|---------|--------|-------|-------|------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5822.44 | 103.63 | | | 95.37 | 6.92 | 34.50 | 33.16 | 142 | 11 Average | HORIZONTAL |
| 2 | 5830.13 | 116.21 | | | 107.95 | 6.92 | 34.50 | 33.16 | 142 | 11 Peak | HORIZONTAL |
| 3 | 5850.64 | 77.13 | 78.20 | -1.07 | 68.84 | 6.95 | 34.51 | 33.17 | 142 | 11 Peak | HORIZONTAL |
| 4 | 5860.00 | 52.00 | 54.00 | -2.00 | 43.69 | 6.97 | 34.52 | 33.18 | 142 | 11 Average | HORIZONTAL |
| 5 | 5863.46 | 70.56 | 74.00 | -3.44 | 62.25 | 6.97 | 34.52 | 33.18 | 142 | 11 Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 5825 MHz.



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 38

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|-------|----------------|---------------|-------|---------|------------|-----------|
| | | Line | m | | | dB | dBuV | | | cm | deg | | |
| 1 | 5150.00 | 52.35 | 54.00 | -1.65 | 45.45 | 6.21 | 33.74 | 33.05 | 153 | 336 | Average | HORIZONTAL | |
| 2 | 5150.00 | 70.56 | 74.00 | -3.44 | 63.66 | 6.21 | 33.74 | 33.05 | 153 | 336 | Peak | HORIZONTAL | |
| 3 | 5194.81 | 99.17 | | | 92.13 | 6.27 | 33.82 | 33.05 | 153 | 336 | Average | HORIZONTAL | |
| 4 | 5196.41 | 111.10 | | | 104.06 | 6.27 | 33.82 | 33.05 | 153 | 336 | Peak | HORIZONTAL | |

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|-------|----------------|---------------|-------|---------|------------|-----------|
| | | Line | m | | | dB | dBuV | | | cm | deg | | |
| 1 | 5144.39 | 65.86 | 74.00 | -8.14 | 58.96 | 6.21 | 33.74 | 33.05 | 154 | 334 | Peak | HORIZONTAL | |
| 2 | 5150.00 | 52.66 | 54.00 | -1.34 | 45.76 | 6.21 | 33.74 | 33.05 | 154 | 334 | Average | HORIZONTAL | |
| 3 | 5224.39 | 102.41 | | | 95.31 | 6.30 | 33.85 | 33.05 | 154 | 334 | Average | HORIZONTAL | |
| 4 | 5224.39 | 113.41 | | | 106.31 | 6.30 | 33.85 | 33.05 | 154 | 334 | Peak | HORIZONTAL | |

Item 3, 4 are the fundamental frequency at 5230 MHz.



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 54

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5265.19 | 103.09 | | | 95.88 | 6.34 | 33.93 | 33.06 | 153 | 334 | Average | HORIZONTAL |
| 2 | 5268.40 | 114.32 | | | 107.11 | 6.34 | 33.93 | 33.06 | 153 | 334 | Peak | HORIZONTAL |
| 3 | 5350.80 | 52.71 | 54.00 | -1.29 | 45.24 | 6.47 | 34.06 | 33.06 | 153 | 334 | Average | HORIZONTAL |
| 4 | 5354.81 | 65.20 | 74.00 | -8.80 | 57.73 | 6.47 | 34.06 | 33.06 | 153 | 334 | Peak | HORIZONTAL |

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

Channel 62

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5296.38 | 109.11 | | | 101.82 | 6.37 | 33.98 | 33.06 | 150 | 335 | Peak | HORIZONTAL |
| 2 | 5314.81 | 97.43 | | | 90.08 | 6.40 | 34.01 | 33.06 | 150 | 335 | Average | HORIZONTAL |
| 3 | 5350.00 | 52.81 | 54.00 | -1.19 | 45.34 | 6.47 | 34.06 | 33.06 | 150 | 335 | Average | HORIZONTAL |
| 4 | 5353.21 | 69.62 | 74.00 | -4.38 | 62.15 | 6.47 | 34.06 | 33.06 | 150 | 335 | Peak | HORIZONTAL |

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

| | | | |
|----------------------|---|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 102

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| MHz | | dBuV/m | dBuV/m | | | | | | | | | |
| 1 | 5460.00 | 49.36 | 54.00 | -4.64 | 41.60 | 6.60 | 34.22 | 33.06 | 156 | 332 | Average | HORIZONTAL |
| 2 | 5460.00 | 67.85 | 74.00 | -6.15 | 60.09 | 6.60 | 34.22 | 33.06 | 156 | 332 | Peak | HORIZONTAL |
| 3 | 5463.21 | 72.41 | 74.00 | -1.59 | 64.62 | 6.60 | 34.25 | 33.06 | 156 | 332 | Peak | HORIZONTAL |
| 4 | 5470.00 | 51.64 | 54.00 | -2.36 | 43.85 | 6.60 | 34.25 | 33.06 | 156 | 332 | Average | HORIZONTAL |
| 5 | 5514.01 | 111.77 | | | 103.88 | 6.65 | 34.31 | 33.07 | 156 | 332 | Peak | HORIZONTAL |
| 6 | 5515.61 | 100.15 | | | 92.26 | 6.65 | 34.31 | 33.07 | 156 | 332 | Average | HORIZONTAL |

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

Channel 110

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| MHz | | dBuV/m | dBuV/m | | | | | | | | | |
| 1 | 5456.80 | 66.91 | 74.00 | -7.09 | 59.15 | 6.60 | 34.22 | 33.06 | 149 | 340 | Peak | HORIZONTAL |
| 2 | 5458.40 | 51.37 | 54.00 | -2.63 | 43.61 | 6.60 | 34.22 | 33.06 | 149 | 340 | Average | HORIZONTAL |
| 3 | 5468.40 | 52.69 | 54.00 | -1.31 | 44.90 | 6.60 | 34.25 | 33.06 | 149 | 340 | Average | HORIZONTAL |
| 4 | 5470.00 | 68.00 | 74.00 | -6.00 | 60.21 | 6.60 | 34.25 | 33.06 | 149 | 340 | Peak | HORIZONTAL |
| 5 | 5545.19 | 102.67 | | | 94.75 | 6.68 | 34.32 | 33.08 | 149 | 340 | Average | HORIZONTAL |
| 6 | 5546.80 | 113.87 | | | 105.95 | 6.68 | 34.32 | 33.08 | 149 | 340 | Peak | HORIZONTAL |

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

Channel 134

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| MHz | | dBuV/m | dBuV/m | | | | | | | | | |
| 1 | 5675.61 | 99.56 | | | 91.49 | 6.79 | 34.40 | 33.12 | 164 | 334 | Average | HORIZONTAL |
| 2 | 5675.61 | 110.93 | | | 102.86 | 6.79 | 34.40 | 33.12 | 164 | 334 | Peak | HORIZONTAL |
| 3 | 5725.00 | 52.36 | 54.00 | -1.64 | 44.23 | 6.83 | 34.43 | 33.13 | 164 | 334 | Average | HORIZONTAL |
| 4 | 5725.00 | 68.84 | 74.00 | -5.16 | 60.71 | 6.83 | 34.43 | 33.13 | 164 | 334 | Peak | HORIZONTAL |

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



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 151

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5711.80 | 66.96 | 68.20 | -1.24 | 58.84 | 6.83 | 34.42 | 33.13 | 162 | 338 | Peak | HORIZONTAL |
| 2 | 5725.00 | 69.34 | 78.20 | -8.86 | 61.21 | 6.83 | 34.43 | 33.13 | 162 | 338 | Peak | HORIZONTAL |
| 3 | 5759.81 | 96.72 | | | 88.53 | 6.88 | 34.46 | 33.15 | 162 | 338 | Average | HORIZONTAL |
| 4 | 5760.61 | 108.09 | | | 99.90 | 6.88 | 34.46 | 33.15 | 162 | 338 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5755 MHz.

Channel 159

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5709.42 | 65.65 | 74.00 | -8.35 | 57.53 | 6.83 | 34.42 | 33.13 | 212 | 345 | Peak | HORIZONTAL |
| 2 | 5712.95 | 50.49 | 54.00 | -3.51 | 42.37 | 6.83 | 34.42 | 33.13 | 212 | 345 | Average | HORIZONTAL |
| 3 | 5724.04 | 66.60 | 78.20 | -11.60 | 58.47 | 6.83 | 34.43 | 33.13 | 212 | 345 | Peak | HORIZONTAL |
| 4 | 5807.50 | 110.21 | | | 101.96 | 6.92 | 34.49 | 33.16 | 212 | 345 | Peak | HORIZONTAL |
| 5 | 5808.14 | 99.18 | | | 90.93 | 6.92 | 34.49 | 33.16 | 212 | 345 | Average | HORIZONTAL |
| 6 | 5851.60 | 72.55 | 78.20 | -5.65 | 64.26 | 6.95 | 34.51 | 33.17 | 212 | 345 | Peak | HORIZONTAL |
| 7 | 5861.03 | 52.91 | 54.00 | -1.09 | 44.60 | 6.97 | 34.52 | 33.18 | 212 | 345 | Average | HORIZONTAL |
| 8 | 5861.60 | 71.72 | 74.00 | -2.28 | 63.41 | 6.97 | 34.52 | 33.18 | 212 | 345 | Peak | HORIZONTAL |

Item 4, 5 are the fundamental frequency at 5795 MHz.



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 42

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5142.69 | 52.72 | 54.00 | -1.28 | 45.86 | 6.17 | 33.74 | 33.05 | 157 | 331 | Average | HORIZONTAL |
| 2 | 5150.00 | 71.05 | 74.00 | -2.95 | 64.15 | 6.21 | 33.74 | 33.05 | 157 | 331 | Peak | HORIZONTAL |
| 3 | 5197.18 | 107.10 | | | 100.06 | 6.27 | 33.82 | 33.05 | 157 | 331 | Peak | HORIZONTAL |
| 4 | 5200.39 | 95.88 | | | 88.84 | 6.27 | 33.82 | 33.05 | 157 | 331 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 58

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5133.75 | 57.91 | 74.00 | -16.09 | 51.08 | 6.17 | 33.71 | 33.05 | 164 | 334 | Peak | HORIZONTAL |
| 2 | 5150.00 | 45.98 | 54.00 | -8.02 | 39.08 | 6.21 | 33.74 | 33.05 | 164 | 334 | Average | HORIZONTAL |
| 3 | 5278.78 | 93.95 | | | 86.69 | 6.37 | 33.95 | 33.06 | 164 | 334 | Average | HORIZONTAL |
| 4 | 5280.39 | 105.61 | | | 98.35 | 6.37 | 33.95 | 33.06 | 164 | 334 | Peak | HORIZONTAL |
| 5 | 5350.00 | 52.63 | 54.00 | -1.37 | 45.16 | 6.47 | 34.06 | 33.06 | 164 | 334 | Average | HORIZONTAL |
| 6 | 5350.90 | 70.35 | 74.00 | -3.65 | 62.88 | 6.47 | 34.06 | 33.06 | 164 | 334 | Peak | HORIZONTAL |

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 106

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5458.40 | 70.17 | 74.00 | -3.83 | 62.41 | 6.60 | 34.22 | 33.06 | 158 | 331 | Peak | HORIZONTAL |
| 2 | 5459.20 | 51.81 | 54.00 | -2.19 | 44.05 | 6.60 | 34.22 | 33.06 | 158 | 331 | Average | HORIZONTAL |
| 3 | 5468.30 | 52.98 | 54.00 | -1.02 | 45.19 | 6.60 | 34.25 | 33.06 | 158 | 331 | Average | HORIZONTAL |
| 4 | 5469.20 | 71.36 | 74.00 | -2.64 | 63.57 | 6.60 | 34.25 | 33.06 | 158 | 331 | Peak | HORIZONTAL |
| 5 | 5516.38 | 107.40 | | | 99.51 | 6.65 | 34.31 | 33.07 | 158 | 331 | Peak | HORIZONTAL |
| 6 | 5518.78 | 96.27 | | | 88.38 | 6.65 | 34.31 | 33.07 | 158 | 331 | Average | HORIZONTAL |
| 7 | 5725.00 | 46.59 | 54.00 | -7.41 | 38.46 | 6.83 | 34.43 | 33.13 | 158 | 331 | Average | HORIZONTAL |
| 8 | 5745.03 | 59.54 | 74.00 | -14.46 | 51.38 | 6.86 | 34.44 | 33.14 | 158 | 331 | Peak | HORIZONTAL |

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

Channel 122

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5455.19 | 63.05 | 74.00 | -10.95 | 55.29 | 6.60 | 34.22 | 33.06 | 168 | 334 | Peak | HORIZONTAL |
| 2 | 5459.20 | 50.00 | 54.00 | -4.00 | 42.24 | 6.60 | 34.22 | 33.06 | 168 | 334 | Average | HORIZONTAL |
| 3 | 5467.60 | 63.20 | 74.00 | -10.80 | 55.41 | 6.60 | 34.25 | 33.06 | 168 | 334 | Peak | HORIZONTAL |
| 4 | 5469.20 | 50.46 | 54.00 | -3.54 | 42.67 | 6.60 | 34.25 | 33.06 | 168 | 334 | Average | HORIZONTAL |
| 5 | 5617.21 | 108.68 | | | 100.67 | 6.74 | 34.37 | 33.10 | 168 | 334 | Peak | HORIZONTAL |
| 6 | 5620.42 | 97.71 | | | 89.70 | 6.74 | 34.37 | 33.10 | 168 | 334 | Average | HORIZONTAL |
| 7 | 5725.80 | 52.97 | 54.00 | -1.03 | 44.84 | 6.83 | 34.43 | 33.13 | 168 | 334 | Average | HORIZONTAL |
| 8 | 5725.80 | 66.83 | 74.00 | -7.17 | 58.70 | 6.83 | 34.43 | 33.13 | 168 | 334 | Peak | HORIZONTAL |

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 155

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5702.18 | 66.68 | 68.20 | -1.52 | 58.57 | 6.81 | 34.42 | 33.12 | 211 | 341 | Peak | HORIZONTAL |
| 2 | 5716.51 | 69.82 | 78.20 | -8.38 | 61.70 | 6.83 | 34.42 | 33.13 | 211 | 341 | Peak | HORIZONTAL |
| 3 | 5783.81 | 94.13 | | | 85.92 | 6.90 | 34.47 | 33.16 | 211 | 341 | Average | HORIZONTAL |
| 4 | 5803.05 | 105.49 | | | 97.26 | 6.90 | 34.49 | 33.16 | 211 | 341 | Peak | HORIZONTAL |
| 5 | 5850.00 | 66.47 | 78.20 | -11.73 | 58.18 | 6.95 | 34.51 | 33.17 | 211 | 341 | Peak | HORIZONTAL |
| 6 | 5861.60 | 64.66 | 68.20 | -3.54 | 56.35 | 6.97 | 34.52 | 33.18 | 211 | 341 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5775 MHz.



Straddle Channel

| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 144

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|--------|---------|--------|-------|-------|-----------------|--------------------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5712.79 | 120.48 | | | | 112.36 | 6.83 | 34.42 | 33.13 | 150 | 344 | Peak HORIZONTAL |
| 2 | 5717.28 | 109.67 | | | | 101.55 | 6.83 | 34.42 | 33.13 | 150 | 344 | Average HORIZONTAL |
| 3 | 5858.01 | 65.12 | 68.20 | -3.08 | 56.81 | 6.97 | 34.52 | 33.18 | 150 | 344 | Peak HORIZONTAL | |

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 142

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|--------|---------|--------|-------|-------|-----------------|--------------------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5705.19 | 116.14 | | | | 108.02 | 6.83 | 34.42 | 33.13 | 165 | 338 | Peak HORIZONTAL |
| 2 | 5714.81 | 104.99 | | | | 96.87 | 6.83 | 34.42 | 33.13 | 165 | 338 | Average HORIZONTAL |
| 3 | 5856.64 | 66.71 | 68.20 | -1.49 | 58.41 | 6.95 | 34.52 | 33.17 | 165 | 338 | Peak HORIZONTAL | |

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 |
| Test Date | Jul. 26, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 138

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 5680.39 | 99.80 | | | 91.71 | 6.81 | 34.40 | 33.12 | 157 | 343 | Average | HORIZONTAL |
| 2 | 5680.39 | 111.33 | | | 103.24 | 6.81 | 34.40 | 33.12 | 157 | 343 | Peak | HORIZONTAL |
| 3 | 5850.80 | 66.81 | 68.20 | -1.39 | 58.52 | 6.95 | 34.51 | 33.17 | 157 | 343 | 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 | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 19, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 36

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|--------------|---------------|-------|-------|-------|---------|-----------|
| | | Line | dB | | | Antenna Loss | Preamp Factor | dB | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5149.20 | 71.86 | 74.00 | -2.14 | 64.96 | 6.21 | 33.74 | 33.05 | 225 | 349 | Peak | VERTICAL |
| 2 | 5149.80 | 52.94 | 54.00 | -1.06 | 46.04 | 6.21 | 33.74 | 33.05 | 225 | 349 | Average | VERTICAL |
| 3 | 5178.60 | 115.41 | | | 108.43 | 6.24 | 33.79 | 33.05 | 225 | 349 | Peak | VERTICAL |
| 4 | 5179.00 | 105.24 | | | 98.26 | 6.24 | 33.79 | 33.05 | 225 | 349 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|--------------|---------------|-------|-------|-------|---------|-----------|
| | | Line | dB | | | Antenna Loss | Preamp Factor | dB | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5118.40 | 52.91 | 54.00 | -1.09 | 46.10 | 6.17 | 33.69 | 33.05 | 223 | 349 | Average | VERTICAL |
| 2 | 5150.00 | 66.06 | 74.00 | -7.94 | 59.16 | 6.21 | 33.74 | 33.05 | 223 | 349 | Peak | VERTICAL |
| 3 | 5199.20 | 108.38 | | | 101.34 | 6.27 | 33.82 | 33.05 | 223 | 349 | Average | VERTICAL |
| 4 | 5199.20 | 118.79 | | | 111.75 | 6.27 | 33.82 | 33.05 | 223 | 349 | Peak | VERTICAL |
| 5 | 5359.20 | 51.43 | 54.00 | -2.57 | 43.96 | 6.47 | 34.06 | 33.06 | 223 | 349 | Average | VERTICAL |
| 6 | 5364.00 | 62.81 | 74.00 | -11.19 | 55.31 | 6.47 | 34.09 | 33.06 | 223 | 349 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|--------------|---------------|-------|-------|-------|---------|-----------|
| | | Line | dB | | | Antenna Loss | Preamp Factor | dB | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5112.80 | 64.28 | 74.00 | -9.72 | 57.50 | 6.14 | 33.69 | 33.05 | 228 | 346 | Peak | VERTICAL |
| 2 | 5118.40 | 52.19 | 54.00 | -1.81 | 45.38 | 6.17 | 33.69 | 33.05 | 228 | 346 | Average | VERTICAL |
| 3 | 5238.40 | 109.32 | | | 102.20 | 6.30 | 33.87 | 33.05 | 228 | 346 | Average | VERTICAL |
| 4 | 5244.00 | 119.63 | | | 112.48 | 6.30 | 33.90 | 33.05 | 228 | 346 | Peak | VERTICAL |
| 5 | 5358.40 | 65.04 | 74.00 | -8.96 | 57.57 | 6.47 | 34.06 | 33.06 | 228 | 346 | Peak | VERTICAL |
| 6 | 5359.20 | 52.81 | 54.00 | -1.19 | 45.34 | 6.47 | 34.06 | 33.06 | 228 | 346 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5240 MHz.



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 19, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 52

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5138.40 | 52.27 | 54.00 | -1.73 | 45.44 | 6.17 | 33.71 | 33.05 | 218 | 344 | Average | VERTICAL |
| 2 | 5142.40 | 64.41 | 74.00 | -9.59 | 57.55 | 6.17 | 33.74 | 33.05 | 218 | 344 | Peak | VERTICAL |
| 3 | 5258.40 | 109.32 | | | 102.14 | 6.34 | 33.90 | 33.06 | 218 | 344 | Average | VERTICAL |
| 4 | 5258.40 | 119.37 | | | 112.19 | 6.34 | 33.90 | 33.06 | 218 | 344 | Peak | VERTICAL |
| 5 | 5378.40 | 64.31 | 74.00 | -9.69 | 56.76 | 6.50 | 34.11 | 33.06 | 218 | 344 | Peak | VERTICAL |
| 6 | 5379.20 | 52.75 | 54.00 | -1.25 | 45.20 | 6.50 | 34.11 | 33.06 | 218 | 344 | Average | VERTICAL |

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

Channel 60

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5138.40 | 49.58 | 54.00 | -4.42 | 42.75 | 6.17 | 33.71 | 33.05 | 226 | 348 | Average | VERTICAL |
| 2 | 5143.20 | 60.74 | 74.00 | -13.26 | 53.88 | 6.17 | 33.74 | 33.05 | 226 | 348 | Peak | VERTICAL |
| 3 | 5299.20 | 106.70 | | | 99.38 | 6.40 | 33.98 | 33.06 | 226 | 348 | Average | VERTICAL |
| 4 | 5299.20 | 116.67 | | | 109.35 | 6.40 | 33.98 | 33.06 | 226 | 348 | Peak | VERTICAL |
| 5 | 5379.20 | 52.71 | 54.00 | -1.29 | 45.16 | 6.50 | 34.11 | 33.06 | 226 | 348 | Average | VERTICAL |
| 6 | 5383.60 | 64.31 | 74.00 | -9.69 | 56.76 | 6.50 | 34.11 | 33.06 | 226 | 348 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5300 MHz.

Channel 64

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5318.80 | 105.91 | | | 98.56 | 6.40 | 34.01 | 33.06 | 217 | 348 | Average | VERTICAL |
| 2 | 5319.20 | 116.05 | | | 108.70 | 6.40 | 34.01 | 33.06 | 217 | 348 | Peak | VERTICAL |
| 3 | 5350.00 | 52.80 | 54.00 | -1.20 | 45.33 | 6.47 | 34.06 | 33.06 | 217 | 348 | Average | VERTICAL |
| 4 | 5350.00 | 67.99 | 74.00 | -6.01 | 60.52 | 6.47 | 34.06 | 33.06 | 217 | 348 | Peak | VERTICAL |

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

| | | | |
|----------------------|---|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 19, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 100

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|------------|-------|----------------|---------------|-------|---------|----------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5458.80 | 65.84 | 74.00 | -8.16 | 58.08 | 6.60 | 34.22 | 33.06 | 226 | 349 | Peak | VERTICAL | |
| 2 | 5459.20 | 49.82 | 54.00 | -4.18 | 42.06 | 6.60 | 34.22 | 33.06 | 226 | 349 | Average | VERTICAL | |
| 3 | 5468.80 | 71.98 | 74.00 | -2.02 | 64.19 | 6.60 | 34.25 | 33.06 | 226 | 349 | Peak | VERTICAL | |
| 4 | 5469.40 | 52.76 | 54.00 | -1.24 | 44.97 | 6.60 | 34.25 | 33.06 | 226 | 349 | Average | VERTICAL | |
| 5 | 5498.80 | 116.54 | | | 108.67 | 6.63 | 34.30 | 33.06 | 226 | 349 | Peak | VERTICAL | |
| 6 | 5499.00 | 105.93 | | | 98.06 | 6.63 | 34.30 | 33.06 | 226 | 349 | Average | VERTICAL | |

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

Channel 116

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|------------|-------|----------------|---------------|-------|---------|----------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5456.00 | 63.45 | 74.00 | -10.55 | 55.69 | 6.60 | 34.22 | 33.06 | 220 | 339 | Peak | VERTICAL | |
| 2 | 5460.00 | 52.92 | 54.00 | -1.08 | 45.16 | 6.60 | 34.22 | 33.06 | 220 | 339 | Average | VERTICAL | |
| 3 | 5460.80 | 65.33 | 68.20 | -2.87 | 57.57 | 6.60 | 34.22 | 33.06 | 220 | 339 | Peak | VERTICAL | |
| 4 | 5581.60 | 107.21 | | | 99.23 | 6.72 | 34.35 | 33.09 | 220 | 339 | Average | VERTICAL | |
| 5 | 5581.60 | 117.80 | | | 109.82 | 6.72 | 34.35 | 33.09 | 220 | 339 | Peak | VERTICAL | |

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

Channel 140

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|------------|-------|----------------|---------------|-------|---------|------------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5698.00 | 98.83 | | | 90.73 | 6.81 | 34.41 | 33.12 | 148 | 358 | Average | HORIZONTAL | |
| 2 | 5698.00 | 111.81 | | | 103.71 | 6.81 | 34.41 | 33.12 | 148 | 358 | Peak | HORIZONTAL | |
| 3 | 5725.00 | 51.18 | 54.00 | -2.82 | 43.05 | 6.83 | 34.43 | 33.13 | 148 | 358 | Average | HORIZONTAL | |
| 4 | 5730.20 | 72.88 | 74.00 | -1.12 | 64.75 | 6.83 | 34.43 | 33.13 | 148 | 358 | Peak | HORIZONTAL | |

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



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 19, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 149

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5715.00 | 67.12 | 68.20 | -1.08 | 59.00 | 6.83 | 34.42 | 33.13 | 220 | 349 | Peak | VERTICAL |
| 2 | 5723.40 | 75.16 | 78.20 | -3.04 | 67.03 | 6.83 | 34.43 | 33.13 | 220 | 349 | Peak | VERTICAL |
| 3 | 5744.20 | 101.45 | | | 93.29 | 6.86 | 34.44 | 33.14 | 220 | 349 | Average | VERTICAL |
| 4 | 5744.60 | 112.31 | | | 104.15 | 6.86 | 34.44 | 33.14 | 220 | 349 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5703.40 | 65.77 | 68.20 | -2.43 | 57.66 | 6.81 | 34.42 | 33.12 | 218 | 349 | Peak | VERTICAL |
| 2 | 5725.00 | 67.59 | 78.20 | -10.61 | 59.46 | 6.83 | 34.43 | 33.13 | 218 | 349 | Peak | VERTICAL |
| 3 | 5779.40 | 118.36 | | | 110.16 | 6.88 | 34.47 | 33.15 | 218 | 349 | Peak | VERTICAL |
| 4 | 5784.20 | 107.59 | | | 99.38 | 6.90 | 34.47 | 33.16 | 218 | 349 | Average | VERTICAL |
| 5 | 5855.40 | 70.60 | 78.20 | -7.60 | 62.30 | 6.95 | 34.52 | 33.17 | 218 | 349 | Peak | VERTICAL |
| 6 | 5860.00 | 67.18 | 68.20 | -1.02 | 58.87 | 6.97 | 34.52 | 33.18 | 218 | 349 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5822.76 | 114.01 | | | 105.75 | 6.92 | 34.50 | 33.16 | 225 | 337 | Peak | VERTICAL |
| 2 | 5827.56 | 103.44 | | | 95.18 | 6.92 | 34.50 | 33.16 | 225 | 337 | Average | VERTICAL |
| 3 | 5852.56 | 77.07 | 78.20 | -1.13 | 68.78 | 6.95 | 34.51 | 33.17 | 225 | 337 | Peak | VERTICAL |
| 4 | 5862.24 | 72.10 | 74.00 | -1.90 | 63.79 | 6.97 | 34.52 | 33.18 | 225 | 337 | Peak | VERTICAL |
| 5 | 5907.69 | 51.97 | 54.00 | -2.03 | 43.62 | 6.99 | 34.55 | 33.19 | 225 | 337 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5825 MHz.

| | | | |
|----------------------|---|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 20, 2015 ~ Jul. 21, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 38

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|----------------|---------------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Antenna Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5149.20 | 67.51 | 74.00 | -6.49 | 60.61 | 6.21 | 33.74 | 33.05 | 224 | 354 | Peak | VERTICAL |
| 2 | 5150.00 | 52.76 | 54.00 | -1.24 | 45.86 | 6.21 | 33.74 | 33.05 | 224 | 354 | Average | VERTICAL |
| 3 | 5193.20 | 101.72 | | | 94.71 | 6.24 | 33.82 | 33.05 | 224 | 354 | Average | VERTICAL |
| 4 | 5193.20 | 110.85 | | | 103.84 | 6.24 | 33.82 | 33.05 | 224 | 354 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|----------------|---------------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Antenna Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5143.00 | 64.04 | 74.00 | -9.96 | 57.18 | 6.17 | 33.74 | 33.05 | 219 | 358 | Peak | VERTICAL |
| 2 | 5148.00 | 52.61 | 54.00 | -1.39 | 45.71 | 6.21 | 33.74 | 33.05 | 219 | 358 | Average | VERTICAL |
| 3 | 5233.00 | 105.31 | | | 98.19 | 6.30 | 33.87 | 33.05 | 219 | 358 | Average | VERTICAL |
| 4 | 5233.00 | 114.74 | | | 107.62 | 6.30 | 33.87 | 33.05 | 219 | 358 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5230 MHz.

| | | | |
|----------------------|---|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 21, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 54

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|-------|--------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5263.00 | 105.35 | | | 98.14 | 6.34 | 33.93 | 33.06 | 207 | 356 Average | VERTICAL |
| 2 | 5263.00 | 114.87 | | | 107.66 | 6.34 | 33.93 | 33.06 | 207 | 356 Peak | VERTICAL |
| 3 | 5353.00 | 52.71 | 54.00 | -1.29 | 45.24 | 6.47 | 34.06 | 33.06 | 207 | 356 Average | VERTICAL |
| 4 | 5359.00 | 65.63 | 74.00 | -8.37 | 58.16 | 6.47 | 34.06 | 33.06 | 207 | 356 Peak | VERTICAL |

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

Channel 62

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|-------|--------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5305.00 | 109.35 | | | 102.03 | 6.40 | 33.98 | 33.06 | 216 | 347 Peak | VERTICAL |
| 2 | 5306.00 | 99.35 | | | 92.03 | 6.40 | 33.98 | 33.06 | 216 | 347 Average | VERTICAL |
| 3 | 5350.00 | 52.73 | 54.00 | -1.27 | 45.26 | 6.47 | 34.06 | 33.06 | 216 | 347 Average | VERTICAL |
| 4 | 5350.00 | 64.98 | 74.00 | -9.02 | 57.51 | 6.47 | 34.06 | 33.06 | 216 | 347 Peak | VERTICAL |

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

| | | | |
|----------------------|---|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 21, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 102

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|------------|-------|----------------|-----|---------------|---------|-------|----------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | | |
| 1 | 5439.00 | 61.15 | 74.00 | -12.85 | 53.46 | 6.56 | 34.19 | 33.06 | 217 | 357 | Peak | | VERTICAL | |
| 2 | 5458.00 | 50.41 | 54.00 | -3.59 | 42.65 | 6.60 | 34.22 | 33.06 | 217 | 357 | Average | | VERTICAL | |
| 3 | 5466.00 | 67.85 | 74.00 | -6.15 | 60.06 | 6.60 | 34.25 | 33.06 | 217 | 357 | Peak | | VERTICAL | |
| 4 | 5469.00 | 52.93 | 54.00 | -1.07 | 45.14 | 6.60 | 34.25 | 33.06 | 217 | 357 | Average | | VERTICAL | |
| 5 | 5513.00 | 101.22 | | | 93.34 | 6.65 | 34.30 | 33.07 | 217 | 357 | Average | | VERTICAL | |
| 6 | 5513.00 | 111.19 | | | 103.31 | 6.65 | 34.30 | 33.07 | 217 | 357 | Peak | | VERTICAL | |

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

Channel 110

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|------------|-------|----------------|-----|---------------|---------|-------|----------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | | |
| 1 | 5452.00 | 63.13 | 74.00 | -10.87 | 55.37 | 6.60 | 34.22 | 33.06 | 218 | 359 | Peak | | VERTICAL | |
| 2 | 5458.00 | 52.13 | 54.00 | -1.87 | 44.37 | 6.60 | 34.22 | 33.06 | 218 | 359 | Average | | VERTICAL | |
| 3 | 5463.00 | 52.96 | 54.00 | -1.04 | 45.17 | 6.60 | 34.25 | 33.06 | 218 | 359 | Average | | VERTICAL | |
| 4 | 5463.00 | 67.60 | 74.00 | -6.40 | 59.81 | 6.60 | 34.25 | 33.06 | 218 | 359 | Peak | | VERTICAL | |
| 5 | 5553.00 | 104.66 | | | 96.71 | 6.70 | 34.33 | 33.08 | 218 | 359 | Average | | VERTICAL | |
| 6 | 5553.00 | 114.02 | | | 106.07 | 6.70 | 34.33 | 33.08 | 218 | 359 | Peak | | VERTICAL | |

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

Channel 134

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|------------|-------|----------------|-----|---------------|---------|-------|------------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | | |
| 1 | 5673.00 | 99.55 | | | 91.48 | 6.79 | 34.40 | 33.12 | 136 | 16 | Average | | HORIZONTAL | |
| 2 | 5674.00 | 110.71 | | | 102.64 | 6.79 | 34.40 | 33.12 | 136 | 16 | Peak | | HORIZONTAL | |
| 3 | 5726.00 | 69.62 | 74.00 | -4.38 | 61.49 | 6.83 | 34.43 | 33.13 | 136 | 16 | Peak | | HORIZONTAL | |
| 4 | 5732.00 | 52.90 | 54.00 | -1.10 | 44.75 | 6.86 | 34.43 | 33.14 | 136 | 16 | Average | | HORIZONTAL | |

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

| | | | |
|----------------------|---|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 21, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 151

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | | dBuV/m | dBuV/m | | | | | | | | | |
| 1 | 5706.35 | 70.31 | 74.00 | -3.69 | 62.19 | 6.83 | 34.42 | 33.13 | 176 | 11 | Peak | HORIZONTAL |
| 2 | 5715.00 | 52.85 | 54.00 | -1.15 | 44.73 | 6.83 | 34.42 | 33.13 | 176 | 11 | Average | HORIZONTAL |
| 3 | 5716.60 | 71.81 | 78.20 | -6.39 | 63.69 | 6.83 | 34.42 | 33.13 | 176 | 11 | Peak | HORIZONTAL |
| 4 | 5742.18 | 98.03 | | | 89.87 | 6.86 | 34.44 | 33.14 | 176 | 11 | Average | HORIZONTAL |
| 5 | 5742.50 | 109.36 | | | 101.20 | 6.86 | 34.44 | 33.14 | 176 | 11 | Peak | HORIZONTAL |

Item 4, 5 are the fundamental frequency at 5755 MHz.

Channel 159

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | | dBuV/m | dBuV/m | | | | | | | | | |
| 1 | 5698.00 | 62.31 | 68.20 | -5.89 | 54.21 | 6.81 | 34.41 | 33.12 | 223 | 360 | Peak | VERTICAL |
| 2 | 5724.00 | 64.56 | 78.20 | -13.64 | 56.43 | 6.83 | 34.43 | 33.13 | 223 | 360 | Peak | VERTICAL |
| 3 | 5799.00 | 102.12 | | | 93.90 | 6.90 | 34.48 | 33.16 | 223 | 360 | Average | VERTICAL |
| 4 | 5799.00 | 111.75 | | | 103.53 | 6.90 | 34.48 | 33.16 | 223 | 360 | Peak | VERTICAL |
| 5 | 5854.00 | 70.62 | 78.20 | -7.58 | 62.32 | 6.95 | 34.52 | 33.17 | 223 | 360 | Peak | VERTICAL |
| 6 | 5873.00 | 66.84 | 68.20 | -1.36 | 58.52 | 6.97 | 34.53 | 33.18 | 223 | 360 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5795 MHz.

| | | | |
|----------------------|---|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 23, 2015 ~ Aug. 03, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 42

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Pol/Phase | Remark |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|------------|-----------|--------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5149.00 | 52.82 | 54.00 | -1.18 | 48.48 | 5.51 | 33.17 | 34.34 | 146 | 5 VERTICAL | Average | |
| 2 | 5150.00 | 63.26 | 74.00 | -10.74 | 58.92 | 5.51 | 33.17 | 34.34 | 146 | 5 VERTICAL | Peak | |
| 3 | 5200.00 | 96.94 | | | 92.50 | 5.53 | 33.25 | 34.34 | 146 | 5 VERTICAL | Average | |
| 4 | 5219.00 | 106.06 | | | 101.55 | 5.54 | 33.31 | 34.34 | 146 | 5 VERTICAL | Peak | |
| 5 | 5351.00 | 48.77 | 54.00 | -5.23 | 43.97 | 5.59 | 33.53 | 34.32 | 146 | 5 VERTICAL | Average | |
| 6 | 5360.00 | 60.67 | 74.00 | -13.33 | 55.85 | 5.59 | 33.55 | 34.32 | 146 | 5 VERTICAL | Peak | |

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 58

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-----------|----------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5144.39 | 58.74 | 74.00 | -15.26 | 51.84 | 6.21 | 33.74 | 33.05 | 205 | 1 Peak | VERTICAL | |
| 2 | 5150.00 | 47.54 | 54.00 | -6.46 | 40.64 | 6.21 | 33.74 | 33.05 | 205 | 1 Average | VERTICAL | |
| 3 | 5299.62 | 95.67 | | | 88.35 | 6.40 | 33.98 | 33.06 | 205 | 1 Average | VERTICAL | |
| 4 | 5299.62 | 105.61 | | | 98.29 | 6.40 | 33.98 | 33.06 | 205 | 1 Peak | VERTICAL | |
| 5 | 5350.00 | 52.99 | 54.00 | -1.01 | 45.52 | 6.47 | 34.06 | 33.06 | 205 | 1 Average | VERTICAL | |
| 6 | 5350.00 | 63.86 | 74.00 | -10.14 | 56.39 | 6.47 | 34.06 | 33.06 | 205 | 1 Peak | VERTICAL | |

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

| | | | |
|----------------------|---|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 23, 2015 ~ Aug. 03, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 106

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5458.40 | 52.16 | 54.00 | -1.84 | 44.40 | 6.60 | 34.22 | 33.06 | 216 | 360 | Average | VERTICAL |
| 2 | 5460.00 | 66.69 | 74.00 | -7.31 | 58.93 | 6.60 | 34.22 | 33.06 | 216 | 360 | Peak | VERTICAL |
| 3 | 5469.20 | 66.78 | 68.20 | -1.42 | 58.99 | 6.60 | 34.25 | 33.06 | 216 | 360 | Peak | VERTICAL |
| 4 | 5538.01 | 108.04 | | | 100.12 | 6.68 | 34.32 | 33.08 | 216 | 360 | Peak | VERTICAL |
| 5 | 5538.81 | 97.84 | | | 89.92 | 6.68 | 34.32 | 33.08 | 216 | 360 | Average | VERTICAL |
| 6 | 5747.95 | 60.55 | 68.20 | -7.65 | 52.39 | 6.86 | 34.44 | 33.14 | 216 | 360 | Peak | VERTICAL |

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

Channel 122

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Pol/Phase | Remark |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|------------|---------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5454.00 | 63.83 | 74.00 | -10.17 | 58.79 | 5.63 | 33.72 | 34.31 | 148 | 2 | HORIZONTAL | Peak |
| 2 | 5459.00 | 50.98 | 54.00 | -3.02 | 45.94 | 5.63 | 33.72 | 34.31 | 148 | 2 | HORIZONTAL | Average |
| 3 | 5464.00 | 51.59 | 54.00 | -2.41 | 46.52 | 5.63 | 33.75 | 34.31 | 148 | 2 | HORIZONTAL | Average |
| 4 | 5466.00 | 65.48 | 74.00 | -8.52 | 60.41 | 5.63 | 33.75 | 34.31 | 148 | 2 | HORIZONTAL | Peak |
| 5 | 5595.00 | 110.06 | | | 104.57 | 5.72 | 34.10 | 34.33 | 148 | 2 | HORIZONTAL | Peak |
| 6 | 5601.00 | 98.86 | | | 93.35 | 5.74 | 34.10 | 34.33 | 148 | 2 | HORIZONTAL | Average |
| 7 | 5726.00 | 52.96 | 54.00 | -1.04 | 46.97 | 5.85 | 34.50 | 34.36 | 148 | 2 | HORIZONTAL | Average |
| 8 | 5731.00 | 67.60 | 74.00 | -6.40 | 61.59 | 5.87 | 34.50 | 34.36 | 148 | 2 | HORIZONTAL | Peak |

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 155

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Pol/Phase | Remark |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|-----------|---------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5703.00 | 67.04 | 68.20 | -1.16 | 61.16 | 5.83 | 34.40 | 34.35 | 217 | 2 | VERTICAL | Peak |
| 2 | 5718.00 | 68.90 | 78.20 | -9.30 | 62.96 | 5.85 | 34.45 | 34.36 | 217 | 2 | VERTICAL | Peak |
| 3 | 5780.00 | 106.89 | | | 100.71 | 5.90 | 34.65 | 34.37 | 217 | 2 | VERTICAL | Peak |
| 4 | 5784.00 | 97.16 | | | 90.97 | 5.92 | 34.65 | 34.38 | 217 | 2 | VERTICAL | Average |
| 5 | 5850.00 | 65.58 | 78.20 | -12.62 | 59.17 | 5.95 | 34.85 | 34.39 | 217 | 2 | VERTICAL | Peak |
| 6 | 5870.00 | 65.36 | 68.20 | -2.84 | 58.88 | 5.97 | 34.90 | 34.39 | 217 | 2 | VERTICAL | Peak |

Item 3, 4 are the fundamental frequency at 5775 MHz.

**Straddle Channel**

| | | | |
|----------------------|---|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 19, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 144

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Pol/Phase | Remark | |
|------|---------|--------|-------|--------|-------|---------|--------|-------|-------|-----------|----------|------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5719.20 | 112.54 | | 106.60 | 5.85 | 34.45 | 34.36 | 100 | 360 | VERTICAL | Average | |
| 2 | 5719.20 | 122.13 | | 116.19 | 5.85 | 34.45 | 34.36 | 100 | 360 | VERTICAL | Peak | |
| 3 | 5878.80 | 66.68 | 68.20 | -1.52 | 60.16 | 5.97 | 34.95 | 34.40 | 100 | 360 | VERTICAL | Peak |

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 21, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 142

| Freq | Level | Limit | | Over Line | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|-----------|------------|--------|---------|--------|-------|-------|---------------|------------------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5704.00 | 108.21 | | | | 100.10 | 6.81 | 34.42 | 33.12 | 215 | 360 | Average VERTICAL |
| 2 | 5704.00 | 118.00 | | | | 109.89 | 6.81 | 34.42 | 33.12 | 215 | 360 | Peak VERTICAL |
| 3 | 5855.00 | 66.85 | 68.20 | -1.35 | 58.55 | 6.95 | 34.52 | 33.17 | 215 | 360 | Peak VERTICAL | |

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Jul. 23, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) | | |

Channel 138

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Pol/Phase | Remark | |
|------|---------|--------|-------|--------|-------|---------|--------|-------|-------|------------|------------|------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | | |
| 1 | 5661.00 | 110.67 | | 104.93 | 5.79 | 34.30 | 34.35 | 214 | 9 | HORIZONTAL | Peak | |
| 2 | 5681.00 | 100.61 | | 94.80 | 5.81 | 34.35 | 34.35 | 214 | 9 | HORIZONTAL | Average | |
| 3 | 5852.00 | 66.60 | 68.20 | -1.60 | 60.19 | 5.95 | 34.85 | 34.39 | 214 | 9 | HORIZONTAL | Peak |

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 | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 36

| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
| | | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5149.23 | 72.68 | 74.00 | -1.32 | 65.78 | 6.21 | 33.74 | 33.05 | 230 | 345 | Peak | VERTICAL |
| 2 | 5150.00 | 52.99 | 54.00 | -1.01 | 46.09 | 6.21 | 33.74 | 33.05 | 230 | 345 | Average | VERTICAL |
| 3 | 5181.60 | 97.70 | | | 90.72 | 6.24 | 33.79 | 33.05 | 230 | 345 | Average | VERTICAL |
| 4 | 5181.76 | 108.65 | | | 101.67 | 6.24 | 33.79 | 33.05 | 230 | 345 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
| | | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5148.08 | 68.37 | 74.00 | -5.63 | 61.47 | 6.21 | 33.74 | 33.05 | 211 | 343 | Peak | VERTICAL |
| 2 | 5150.00 | 52.39 | 54.00 | -1.61 | 45.49 | 6.21 | 33.74 | 33.05 | 211 | 343 | Average | VERTICAL |
| 3 | 5198.40 | 113.53 | | | 106.49 | 6.27 | 33.82 | 33.05 | 211 | 343 | Peak | VERTICAL |
| 4 | 5199.04 | 102.69 | | | 95.65 | 6.27 | 33.82 | 33.05 | 211 | 343 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
| | | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5115.96 | 58.78 | 74.00 | -15.22 | 52.00 | 6.14 | 33.69 | 33.05 | 204 | 223 | Peak | VERTICAL |
| 2 | 5117.89 | 46.08 | 54.00 | -7.92 | 39.30 | 6.14 | 33.69 | 33.05 | 204 | 223 | Average | VERTICAL |
| 3 | 5238.08 | 109.93 | | | 102.81 | 6.30 | 33.87 | 33.05 | 204 | 223 | Peak | VERTICAL |
| 4 | 5238.56 | 98.63 | | | 91.51 | 6.30 | 33.87 | 33.05 | 204 | 223 | Average | VERTICAL |
| 5 | 5362.12 | 46.97 | 54.00 | -7.03 | 39.47 | 6.47 | 34.09 | 33.06 | 204 | 223 | Average | VERTICAL |
| 6 | 5363.08 | 59.17 | 74.00 | -14.83 | 51.67 | 6.47 | 34.09 | 33.06 | 204 | 223 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5240 MHz.



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 52

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5140.77 | 48.91 | 54.00 | -5.09 | 42.05 | 6.17 | 33.74 | 33.05 | 193 | 341 | Average | VERTICAL |
| 2 | 5146.54 | 61.62 | 74.00 | -12.38 | 54.72 | 6.21 | 33.74 | 33.05 | 193 | 341 | Peak | VERTICAL |
| 3 | 5258.56 | 101.96 | | | 94.75 | 6.34 | 33.93 | 33.06 | 193 | 341 | Average | VERTICAL |
| 4 | 5259.04 | 114.13 | | | 106.92 | 6.34 | 33.93 | 33.06 | 193 | 341 | Peak | VERTICAL |
| 5 | 5350.00 | 46.28 | 54.00 | -7.72 | 38.81 | 6.47 | 34.06 | 33.06 | 193 | 341 | Average | VERTICAL |
| 6 | 5367.21 | 59.57 | 74.00 | -14.43 | 52.07 | 6.47 | 34.09 | 33.06 | 193 | 341 | Peak | VERTICAL |

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

Channel 60

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5298.40 | 99.10 | | | 91.78 | 6.40 | 33.98 | 33.06 | 154 | 317 | Average | VERTICAL |
| 2 | 5301.28 | 110.25 | | | 102.93 | 6.40 | 33.98 | 33.06 | 154 | 317 | Peak | VERTICAL |
| 3 | 5350.00 | 50.42 | 54.00 | -3.58 | 42.95 | 6.47 | 34.06 | 33.06 | 154 | 317 | Average | VERTICAL |
| 4 | 5353.53 | 63.41 | 74.00 | -10.59 | 55.94 | 6.47 | 34.06 | 33.06 | 154 | 317 | Peak | VERTICAL |

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

Channel 64

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5321.28 | 101.95 | | | 94.60 | 6.40 | 34.01 | 33.06 | 148 | 340 | Average | VERTICAL |
| 2 | 5321.92 | 113.14 | | | 105.79 | 6.40 | 34.01 | 33.06 | 148 | 340 | Peak | VERTICAL |
| 3 | 5350.00 | 52.65 | 54.00 | -1.35 | 45.18 | 6.47 | 34.06 | 33.06 | 148 | 340 | Average | VERTICAL |
| 4 | 5352.05 | 67.92 | 74.00 | -6.08 | 60.45 | 6.47 | 34.06 | 33.06 | 148 | 340 | Peak | VERTICAL |

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

| | | | |
|----------------------|--|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 100

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5459.62 | 64.22 | 74.00 | -9.78 | 56.46 | 6.60 | 34.22 | 33.06 | 171 | 337 | Peak | VERTICAL |
| 2 | 5460.00 | 48.57 | 54.00 | -5.43 | 40.81 | 6.60 | 34.22 | 33.06 | 171 | 337 | Average | VERTICAL |
| 3 | 5469.23 | 72.99 | 74.00 | -1.01 | 65.20 | 6.60 | 34.25 | 33.06 | 171 | 337 | Peak | VERTICAL |
| 4 | 5470.00 | 52.94 | 54.00 | -1.06 | 45.15 | 6.60 | 34.25 | 33.06 | 171 | 337 | Average | VERTICAL |
| 5 | 5501.28 | 99.42 | | | 91.54 | 6.65 | 34.30 | 33.07 | 171 | 337 | Average | VERTICAL |
| 6 | 5501.92 | 110.63 | | | 102.75 | 6.65 | 34.30 | 33.07 | 171 | 337 | Peak | VERTICAL |

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

Channel 116

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5458.37 | 47.52 | 54.00 | -6.48 | 39.76 | 6.60 | 34.22 | 33.06 | 203 | 336 | Average | VERTICAL |
| 2 | 5458.37 | 59.53 | 74.00 | -14.47 | 51.77 | 6.60 | 34.22 | 33.06 | 203 | 336 | Peak | VERTICAL |
| 3 | 5464.62 | 60.90 | 74.00 | -13.10 | 53.11 | 6.60 | 34.25 | 33.06 | 203 | 336 | Peak | VERTICAL |
| 4 | 5467.50 | 47.89 | 54.00 | -6.11 | 40.10 | 6.60 | 34.25 | 33.06 | 203 | 336 | Average | VERTICAL |
| 5 | 5585.77 | 113.98 | | | 106.00 | 6.72 | 34.35 | 33.09 | 203 | 336 | Peak | VERTICAL |
| 6 | 5587.69 | 102.96 | | | 94.98 | 6.72 | 34.35 | 33.09 | 203 | 336 | Average | VERTICAL |
| 7 | 5725.00 | 61.06 | 74.00 | -12.94 | 52.93 | 6.83 | 34.43 | 33.13 | 203 | 336 | Peak | VERTICAL |
| 8 | 5725.67 | 46.69 | 54.00 | -7.31 | 38.56 | 6.83 | 34.43 | 33.13 | 203 | 336 | Average | VERTICAL |

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

Channel 140

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5701.28 | 97.92 | | | 89.81 | 6.81 | 34.42 | 33.12 | 226 | 330 | Average | VERTICAL |
| 2 | 5701.60 | 109.02 | | | 100.91 | 6.81 | 34.42 | 33.12 | 226 | 330 | Peak | VERTICAL |
| 3 | 5725.00 | 52.98 | 54.00 | -1.02 | 44.85 | 6.83 | 34.43 | 33.13 | 226 | 330 | Average | VERTICAL |
| 4 | 5725.00 | 71.49 | 74.00 | -2.51 | 63.36 | 6.83 | 34.43 | 33.13 | 226 | 330 | Peak | VERTICAL |

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

| | | | |
|----------------------|--|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 149

| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------------|---------|--------|-------|-------|---------|-----------|
| | | | Line | Limit | Level | Loss Factor | Factor | cm | deg | | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | |
| 1 | 5714.40 | 69.75 | 74.00 | -4.25 | 61.63 | 6.83 | 34.42 | 33.13 | 198 | 311 | Peak | VERTICAL |
| 2 | 5715.00 | 50.04 | 54.00 | -3.96 | 41.92 | 6.83 | 34.42 | 33.13 | 198 | 311 | Average | VERTICAL |
| 3 | 5724.80 | 76.93 | 78.20 | -1.27 | 68.80 | 6.83 | 34.43 | 33.13 | 198 | 311 | Peak | VERTICAL |
| 4 | 5752.20 | 106.08 | | | 97.90 | 6.86 | 34.46 | 33.14 | 198 | 311 | Peak | VERTICAL |
| 5 | 5753.00 | 95.05 | | | 86.87 | 6.86 | 34.46 | 33.14 | 198 | 311 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5745 MHz.

Channel 157

| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------------|---------|--------|-------|-------|---------|-----------|
| | | | Line | Limit | Level | Loss Factor | Factor | cm | deg | | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | |
| 1 | 5697.02 | 63.32 | 68.20 | -4.88 | 55.22 | 6.81 | 34.41 | 33.12 | 206 | 330 | Peak | VERTICAL |
| 2 | 5716.25 | 62.02 | 78.20 | -16.18 | 53.90 | 6.83 | 34.42 | 33.13 | 206 | 330 | Peak | VERTICAL |
| 3 | 5777.31 | 100.27 | | | 92.07 | 6.88 | 34.47 | 33.15 | 206 | 330 | Average | VERTICAL |
| 4 | 5780.67 | 111.52 | | | 103.32 | 6.88 | 34.47 | 33.15 | 206 | 330 | Peak | VERTICAL |
| 5 | 5851.44 | 62.61 | 78.20 | -15.59 | 54.32 | 6.95 | 34.51 | 33.17 | 206 | 330 | Peak | VERTICAL |
| 6 | 5861.44 | 64.00 | 68.20 | -4.20 | 55.69 | 6.97 | 34.52 | 33.18 | 206 | 330 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------------|---------|--------|-------|-------|---------|-----------|
| | | | Line | Limit | Level | Loss Factor | Factor | cm | deg | | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | | | |
| 1 | 5823.80 | 97.24 | | | 88.98 | 6.92 | 34.50 | 33.16 | 264 | 226 | Average | VERTICAL |
| 2 | 5824.00 | 108.92 | | | 100.66 | 6.92 | 34.50 | 33.16 | 264 | 226 | Peak | VERTICAL |
| 3 | 5850.00 | 74.76 | 78.20 | -3.44 | 66.47 | 6.95 | 34.51 | 33.17 | 264 | 226 | Peak | VERTICAL |
| 4 | 5860.00 | 52.55 | 54.00 | -1.45 | 44.24 | 6.97 | 34.52 | 33.18 | 264 | 226 | Average | VERTICAL |
| 5 | 5861.00 | 70.74 | 74.00 | -3.26 | 62.43 | 6.97 | 34.52 | 33.18 | 264 | 226 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5825 MHz.

| | | | |
|----------------------|--|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 38

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|-------|--------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5147.37 | 68.16 | 74.00 | -5.84 | 61.26 | 6.21 | 33.74 | 33.05 | 135 | 345 Peak | VERTICAL |
| 2 | 5150.00 | 52.88 | 54.00 | -1.12 | 45.98 | 6.21 | 33.74 | 33.05 | 135 | 345 Average | VERTICAL |
| 3 | 5193.85 | 107.03 | | | 100.02 | 6.24 | 33.82 | 33.05 | 135 | 345 Peak | VERTICAL |
| 4 | 5194.81 | 96.89 | | | 89.85 | 6.27 | 33.82 | 33.05 | 135 | 345 Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|-------|--------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5143.46 | 67.00 | 74.00 | -7.00 | 60.14 | 6.17 | 33.74 | 33.05 | 157 | 344 Peak | VERTICAL |
| 2 | 5148.27 | 52.74 | 54.00 | -1.26 | 45.84 | 6.21 | 33.74 | 33.05 | 157 | 344 Average | VERTICAL |
| 3 | 5233.21 | 112.87 | | | 105.75 | 6.30 | 33.87 | 33.05 | 157 | 344 Peak | VERTICAL |
| 4 | 5233.85 | 102.08 | | | 94.96 | 6.30 | 33.87 | 33.05 | 157 | 344 Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5230 MHz.



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 54

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | | | | | | | | | |
| 1 | 5274.49 | 101.39 | | | 94.15 | 6.37 | 33.93 | 33.06 | 139 | 339 | Average | VERTICAL |
| 2 | 5279.62 | 112.03 | | | 104.77 | 6.37 | 33.95 | 33.06 | 139 | 339 | Peak | VERTICAL |
| 3 | 5351.09 | 66.20 | 74.00 | -7.80 | 58.73 | 6.47 | 34.06 | 33.06 | 139 | 339 | Peak | VERTICAL |
| 4 | 5351.41 | 52.84 | 54.00 | -1.16 | 45.37 | 6.47 | 34.06 | 33.06 | 139 | 339 | Average | VERTICAL |

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

Channel 62

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | | | | | | | | | |
| 1 | 5305.19 | 96.48 | | | 89.16 | 6.40 | 33.98 | 33.06 | 129 | 342 | Average | VERTICAL |
| 2 | 5306.80 | 106.71 | | | 99.39 | 6.40 | 33.98 | 33.06 | 129 | 342 | Peak | VERTICAL |
| 3 | 5350.71 | 52.71 | 54.00 | -1.29 | 45.24 | 6.47 | 34.06 | 33.06 | 129 | 342 | Average | VERTICAL |
| 4 | 5352.31 | 72.56 | 74.00 | -1.44 | 65.09 | 6.47 | 34.06 | 33.06 | 129 | 342 | Peak | VERTICAL |

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



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 102

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5457.76 | 64.60 | 74.00 | -9.40 | 56.84 | 6.60 | 34.22 | 33.06 | 202 | 339 | Peak | VERTICAL |
| 2 | 5460.00 | 49.81 | 54.00 | -4.19 | 42.05 | 6.60 | 34.22 | 33.06 | 202 | 339 | Average | VERTICAL |
| 3 | 5466.41 | 69.61 | 74.00 | -4.39 | 61.82 | 6.60 | 34.25 | 33.06 | 202 | 339 | Peak | VERTICAL |
| 4 | 5469.62 | 52.97 | 54.00 | -1.03 | 45.18 | 6.60 | 34.25 | 33.06 | 202 | 339 | Average | VERTICAL |
| 5 | 5514.81 | 105.30 | | | 97.41 | 6.65 | 34.31 | 33.07 | 202 | 339 | Peak | VERTICAL |
| 6 | 5515.45 | 95.52 | | | 87.63 | 6.65 | 34.31 | 33.07 | 202 | 339 | Average | VERTICAL |

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

Channel 110

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5456.73 | 63.91 | 74.00 | -10.09 | 56.15 | 6.60 | 34.22 | 33.06 | 145 | 332 | Peak | VERTICAL |
| 2 | 5459.62 | 50.67 | 54.00 | -3.33 | 42.91 | 6.60 | 34.22 | 33.06 | 145 | 332 | Average | VERTICAL |
| 3 | 5468.91 | 52.81 | 54.00 | -1.19 | 45.02 | 6.60 | 34.25 | 33.06 | 145 | 332 | Average | VERTICAL |
| 4 | 5469.23 | 67.85 | 74.00 | -6.15 | 60.06 | 6.60 | 34.25 | 33.06 | 145 | 332 | Peak | VERTICAL |
| 5 | 5555.13 | 100.53 | | | 92.58 | 6.70 | 34.33 | 33.08 | 145 | 332 | Average | VERTICAL |
| 6 | 5556.41 | 111.34 | | | 103.39 | 6.70 | 34.33 | 33.08 | 145 | 332 | Peak | VERTICAL |

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

Channel 134

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5673.21 | 95.89 | | | 87.82 | 6.79 | 34.40 | 33.12 | 231 | 335 | Average | VERTICAL |
| 2 | 5673.53 | 105.67 | | | 97.60 | 6.79 | 34.40 | 33.12 | 231 | 335 | Peak | VERTICAL |
| 3 | 5725.00 | 52.96 | 54.00 | -1.04 | 44.83 | 6.83 | 34.43 | 33.13 | 231 | 335 | Average | VERTICAL |
| 4 | 5726.09 | 67.37 | 74.00 | -6.63 | 59.24 | 6.83 | 34.43 | 33.13 | 231 | 335 | Peak | VERTICAL |

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

| | | | |
|----------------------|--|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 151

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|-----------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 5713.40 | 69.54 | 74.00 | -4.46 | 61.42 | 6.83 | 34.42 | 33.13 | 201 | 313 | Peak | VERTICAL |
| 2 5714.60 | 52.71 | 54.00 | -1.29 | 44.59 | 6.83 | 34.42 | 33.13 | 201 | 313 | Average | VERTICAL |
| 3 5724.20 | 74.44 | 78.20 | -3.76 | 66.31 | 6.83 | 34.43 | 33.13 | 201 | 313 | Peak | VERTICAL |
| 4 5760.20 | 94.19 | | | 86.00 | 6.88 | 34.46 | 33.15 | 201 | 313 | Average | VERTICAL |
| 5 5769.40 | 104.38 | | | 96.18 | 6.88 | 34.47 | 33.15 | 201 | 313 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5755 MHz.

Channel 159

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|-----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 5708.94 | 65.48 | 68.20 | -2.72 | 57.36 | 6.83 | 34.42 | 33.13 | 147 | 293 | Peak | VERTICAL |
| 2 5718.27 | 64.73 | 78.20 | -13.47 | 56.60 | 6.83 | 34.43 | 33.13 | 147 | 293 | Peak | VERTICAL |
| 3 5806.06 | 106.95 | | | 98.72 | 6.90 | 34.49 | 33.16 | 147 | 293 | Peak | VERTICAL |
| 4 5807.98 | 97.00 | | | 88.75 | 6.92 | 34.49 | 33.16 | 147 | 293 | Average | VERTICAL |
| 5 5851.73 | 70.69 | 78.20 | -7.51 | 62.40 | 6.95 | 34.51 | 33.17 | 147 | 293 | Peak | VERTICAL |
| 6 5870.96 | 66.90 | 68.20 | -1.30 | 58.58 | 6.97 | 34.53 | 33.18 | 147 | 293 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5795 MHz.

| | | | |
|----------------------|--|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 42

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5147.50 | 64.99 | 74.00 | -9.01 | 58.09 | 6.21 | 33.74 | 33.05 | 148 | 343 | Peak | VERTICAL |
| 2 | 5150.00 | 52.74 | 54.00 | -1.26 | 45.84 | 6.21 | 33.74 | 33.05 | 148 | 343 | Average | VERTICAL |
| 3 | 5234.04 | 103.16 | | | 96.04 | 6.30 | 33.87 | 33.05 | 148 | 343 | Peak | VERTICAL |
| 4 | 5237.24 | 93.50 | | | 86.38 | 6.30 | 33.87 | 33.05 | 148 | 343 | Average | VERTICAL |
| 5 | 5353.43 | 47.82 | 54.00 | -6.18 | 40.35 | 6.47 | 34.06 | 33.06 | 148 | 343 | Average | VERTICAL |
| 6 | 5387.08 | 59.80 | 74.00 | -14.20 | 52.25 | 6.50 | 34.11 | 33.06 | 148 | 343 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 58

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5141.76 | 59.32 | 74.00 | -14.68 | 52.46 | 6.17 | 33.74 | 33.05 | 154 | 340 | Peak | VERTICAL |
| 2 | 5145.77 | 47.64 | 54.00 | -6.36 | 40.74 | 6.21 | 33.74 | 33.05 | 154 | 340 | Average | VERTICAL |
| 3 | 5282.79 | 93.56 | | | 86.30 | 6.37 | 33.95 | 33.06 | 154 | 340 | Average | VERTICAL |
| 4 | 5282.79 | 103.65 | | | 96.39 | 6.37 | 33.95 | 33.06 | 154 | 340 | Peak | VERTICAL |
| 5 | 5350.00 | 70.31 | 74.00 | -3.69 | 62.84 | 6.47 | 34.06 | 33.06 | 154 | 340 | Peak | VERTICAL |
| 6 | 5351.70 | 52.61 | 54.00 | -1.39 | 45.14 | 6.47 | 34.06 | 33.06 | 154 | 340 | Average | VERTICAL |

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

| | | | |
|----------------------|--|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 |
| Test Date | Jul. 29, 2015 ~ Jul. 30, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 106

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB/m | dB | |
| 1 | 5460.00 | 52.20 | 54.00 | -1.80 | 44.44 | 6.60 | 34.22 | 33.06 | 152 | 336 | Average | VERTICAL |
| 2 | 5460.00 | 65.46 | 74.00 | -8.54 | 57.70 | 6.60 | 34.22 | 33.06 | 152 | 336 | Peak | VERTICAL |
| 3 | 5465.10 | 68.65 | 74.00 | -5.35 | 60.86 | 6.60 | 34.25 | 33.06 | 152 | 336 | Peak | VERTICAL |
| 4 | 5468.30 | 52.82 | 54.00 | -1.18 | 45.03 | 6.60 | 34.25 | 33.06 | 152 | 336 | Average | VERTICAL |
| 5 | 5521.19 | 103.92 | | | 96.03 | 6.65 | 34.31 | 33.07 | 152 | 336 | Peak | VERTICAL |
| 6 | 5558.05 | 93.34 | | | 85.39 | 6.70 | 34.33 | 33.08 | 152 | 336 | Average | VERTICAL |
| 7 | 5731.41 | 59.41 | 74.00 | -14.59 | 51.26 | 6.86 | 34.43 | 33.14 | 152 | 336 | Peak | VERTICAL |
| 8 | 5740.74 | 48.15 | 54.00 | -5.85 | 39.99 | 6.86 | 34.44 | 33.14 | 152 | 336 | Average | VERTICAL |

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

Channel 122

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB/m | dB | |
| 1 | 5456.96 | 62.51 | 74.00 | -11.49 | 54.75 | 6.60 | 34.22 | 33.06 | 202 | 335 | Peak | VERTICAL |
| 2 | 5457.76 | 49.88 | 54.00 | -4.12 | 42.12 | 6.60 | 34.22 | 33.06 | 202 | 335 | Average | VERTICAL |
| 3 | 5464.17 | 63.65 | 74.00 | -10.35 | 55.86 | 6.60 | 34.25 | 33.06 | 202 | 335 | Peak | VERTICAL |
| 4 | 5470.00 | 51.38 | 54.00 | -2.62 | 43.59 | 6.60 | 34.25 | 33.06 | 202 | 335 | Average | VERTICAL |
| 5 | 5592.37 | 105.19 | | | 97.21 | 6.72 | 34.35 | 33.09 | 202 | 335 | Peak | VERTICAL |
| 6 | 5598.78 | 95.42 | | | 87.43 | 6.72 | 34.36 | 33.09 | 202 | 335 | Average | VERTICAL |
| 7 | 5726.19 | 52.77 | 54.00 | -1.23 | 44.64 | 6.83 | 34.43 | 33.13 | 202 | 335 | Average | VERTICAL |
| 8 | 5727.79 | 67.73 | 74.00 | -6.27 | 59.60 | 6.83 | 34.43 | 33.13 | 202 | 335 | Peak | VERTICAL |

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 155

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB/m | dB | |
| 1 | 5715.00 | 67.15 | 68.20 | -1.05 | 59.03 | 6.83 | 34.42 | 33.13 | 199 | 330 | Peak | VERTICAL |
| 2 | 5725.00 | 68.06 | 78.20 | -10.14 | 59.93 | 6.83 | 34.43 | 33.13 | 199 | 330 | Peak | VERTICAL |
| 3 | 5764.58 | 100.11 | | | 91.92 | 6.88 | 34.46 | 33.15 | 199 | 330 | Peak | VERTICAL |
| 4 | 5766.99 | 90.95 | | | 82.76 | 6.88 | 34.46 | 33.15 | 199 | 330 | Average | VERTICAL |
| 5 | 5856.73 | 66.06 | 78.20 | -12.14 | 57.76 | 6.95 | 34.52 | 33.17 | 199 | 330 | Peak | VERTICAL |
| 6 | 5867.95 | 66.13 | 68.20 | -2.07 | 57.82 | 6.97 | 34.52 | 33.18 | 199 | 330 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5775 MHz.



Straddle Channel

| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 144

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5712.79 | 101.47 | | | 93.35 | 6.83 | 34.42 | 33.13 | 231 | 331 | Average | VERTICAL |
| 2 | 5714.23 | 112.72 | | | 104.60 | 6.83 | 34.42 | 33.13 | 231 | 331 | Peak | VERTICAL |
| 3 | 5866.15 | 61.44 | 68.20 | -6.76 | 53.13 | 6.97 | 34.52 | 33.18 | 231 | 331 | Peak | VERTICAL |

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



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 142

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5704.71 | 99.86 | | | 91.75 | 6.81 | 34.42 | 33.12 | 203 | 230 | Average | VERTICAL |
| 2 | 5707.12 | 109.99 | | | 101.87 | 6.83 | 34.42 | 33.13 | 203 | 230 | Peak | VERTICAL |
| 3 | 5855.67 | 60.81 | 68.20 | -7.39 | 52.51 | 6.95 | 34.52 | 33.17 | 203 | 230 | Peak | VERTICAL |

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



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX) | | |

Channel 138

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 5678.78 | 96.51 | | | 88.44 | 6.79 | 34.40 | 33.12 | 236 | 338 | Average | VERTICAL |
| 2 | 5702.82 | 106.62 | | | 98.51 | 6.81 | 34.42 | 33.12 | 236 | 338 | Peak | VERTICAL |
| 3 | 5855.06 | 67.11 | 68.20 | -1.09 | 58.81 | 6.95 | 34.52 | 33.17 | 236 | 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 | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date | Jul. 30, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 36

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|-----------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 5150.00 | 52.99 | 54.00 | -1.01 | 46.09 | 6.21 | 33.74 | 33.05 | 150 | 339 | Average | VERTICAL |
| 2 5150.00 | 72.69 | 74.00 | -1.31 | 65.79 | 6.21 | 33.74 | 33.05 | 150 | 339 | Peak | VERTICAL |
| 3 5182.56 | 103.12 | | | 96.14 | 6.24 | 33.79 | 33.05 | 150 | 339 | Average | VERTICAL |
| 4 5182.56 | 113.44 | | | 106.46 | 6.24 | 33.79 | 33.05 | 150 | 339 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|-----------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 5144.87 | 69.79 | 74.00 | -4.21 | 62.89 | 6.21 | 33.74 | 33.05 | 156 | 338 | Peak | VERTICAL |
| 2 5150.00 | 52.64 | 54.00 | -1.36 | 45.74 | 6.21 | 33.74 | 33.05 | 156 | 338 | Average | VERTICAL |
| 3 5197.44 | 107.60 | | | 100.56 | 6.27 | 33.82 | 33.05 | 156 | 338 | Average | VERTICAL |
| 4 5197.44 | 118.64 | | | 111.60 | 6.27 | 33.82 | 33.05 | 156 | 338 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|-----------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 5122.12 | 50.41 | 54.00 | -3.59 | 43.60 | 6.17 | 33.69 | 33.05 | 152 | 341 | Average | VERTICAL |
| 2 5126.44 | 63.70 | 74.00 | -10.30 | 56.87 | 6.17 | 33.71 | 33.05 | 152 | 341 | Peak | VERTICAL |
| 3 5237.60 | 106.68 | | | 99.56 | 6.30 | 33.87 | 33.05 | 152 | 341 | Average | VERTICAL |
| 4 5237.60 | 117.64 | | | 110.52 | 6.30 | 33.87 | 33.05 | 152 | 341 | Peak | VERTICAL |
| 5 5354.81 | 61.77 | 74.00 | -12.23 | 54.30 | 6.47 | 34.06 | 33.06 | 152 | 341 | Peak | VERTICAL |
| 6 5357.21 | 50.50 | 54.00 | -3.50 | 43.03 | 6.47 | 34.06 | 33.06 | 152 | 341 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5240 MHz.

| | | | |
|----------------------|--|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date | Jul. 30, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 52

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5142.31 | 52.52 | 54.00 | -1.48 | 45.66 | 6.17 | 33.74 | 33.05 | 160 | 338 | Average | VERTICAL |
| 2 | 5142.79 | 64.40 | 74.00 | -9.60 | 57.54 | 6.17 | 33.74 | 33.05 | 160 | 338 | Peak | VERTICAL |
| 3 | 5254.71 | 119.19 | | | 112.01 | 6.34 | 33.90 | 33.06 | 160 | 338 | Peak | VERTICAL |
| 4 | 5262.40 | 108.31 | | | 101.10 | 6.34 | 33.93 | 33.06 | 160 | 338 | Average | VERTICAL |
| 5 | 5372.60 | 51.76 | 54.00 | -2.24 | 44.26 | 6.47 | 34.09 | 33.06 | 160 | 338 | Average | VERTICAL |
| 6 | 5375.48 | 64.16 | 74.00 | -9.84 | 56.63 | 6.50 | 34.09 | 33.06 | 160 | 338 | Peak | VERTICAL |

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

Channel 60

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5297.12 | 117.23 | | | 109.91 | 6.40 | 33.98 | 33.06 | 159 | 338 | Peak | VERTICAL |
| 2 | 5302.24 | 106.67 | | | 99.35 | 6.40 | 33.98 | 33.06 | 159 | 338 | Average | VERTICAL |
| 3 | 5350.00 | 52.99 | 54.00 | -1.01 | 45.52 | 6.47 | 34.06 | 33.06 | 159 | 338 | Average | VERTICAL |
| 4 | 5350.32 | 68.06 | 74.00 | -5.94 | 60.59 | 6.47 | 34.06 | 33.06 | 159 | 338 | Peak | VERTICAL |

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

Channel 64

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5314.55 | 114.80 | | | 107.45 | 6.40 | 34.01 | 33.06 | 158 | 338 | Peak | VERTICAL |
| 2 | 5317.44 | 103.51 | | | 96.16 | 6.40 | 34.01 | 33.06 | 158 | 338 | Average | VERTICAL |
| 3 | 5350.00 | 52.97 | 54.00 | -1.03 | 45.50 | 6.47 | 34.06 | 33.06 | 158 | 338 | Average | VERTICAL |
| 4 | 5350.00 | 68.32 | 74.00 | -5.68 | 60.85 | 6.47 | 34.06 | 33.06 | 158 | 338 | Peak | VERTICAL |

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

| | | | |
|----------------------|--|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date | Jul. 30, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 100

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|------------|-------|-------|----------------|---------------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | | | | | | |
| MHz | dBuV/m | dBuV/m | dB | | | | | | | | cm | deg | | |
| 1 | 5422.04 | 65.35 | 74.00 | -8.65 | 57.71 | 6.53 | 34.17 | 33.06 | | | 152 | 331 | Peak | VERTICAL |
| 2 | 5422.18 | 49.53 | 54.00 | -4.47 | 41.89 | 6.53 | 34.17 | 33.06 | | | 152 | 331 | Average | VERTICAL |
| 3 | 5468.72 | 71.40 | 74.00 | -2.60 | 63.61 | 6.60 | 34.25 | 33.06 | | | 152 | 331 | Peak | VERTICAL |
| 4 | 5469.04 | 52.69 | 54.00 | -1.31 | 44.90 | 6.60 | 34.25 | 33.06 | | | 152 | 331 | Average | VERTICAL |
| 5 | 5494.55 | 114.29 | | | 106.45 | 6.63 | 34.27 | 33.06 | | | 152 | 331 | Peak | VERTICAL |
| 6 | 5497.44 | 102.90 | | | 95.03 | 6.63 | 34.30 | 33.06 | | | 152 | 331 | Average | VERTICAL |

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

Channel 116

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|------------|-------|-------|----------------|---------------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | | | | | | |
| MHz | dBuV/m | dBuV/m | dB | | | | | | | | cm | deg | | |
| 1 | 5457.60 | 51.52 | 54.00 | -2.48 | 43.76 | 6.60 | 34.22 | 33.06 | | | 157 | 330 | Average | VERTICAL |
| 2 | 5458.08 | 63.47 | 74.00 | -10.53 | 55.71 | 6.60 | 34.22 | 33.06 | | | 157 | 330 | Peak | VERTICAL |
| 3 | 5462.40 | 51.29 | 54.00 | -2.71 | 43.53 | 6.60 | 34.22 | 33.06 | | | 157 | 330 | Average | VERTICAL |
| 4 | 5470.00 | 63.75 | 74.00 | -10.25 | 55.96 | 6.60 | 34.25 | 33.06 | | | 157 | 330 | Peak | VERTICAL |
| 5 | 5586.73 | 116.67 | | | 108.69 | 6.72 | 34.35 | 33.09 | | | 157 | 330 | Peak | VERTICAL |
| 6 | 5587.21 | 106.36 | | | 98.38 | 6.72 | 34.35 | 33.09 | | | 157 | 330 | Average | VERTICAL |
| 7 | 5725.00 | 47.92 | 54.00 | -6.08 | 39.79 | 6.83 | 34.43 | 33.13 | | | 157 | 330 | Average | VERTICAL |
| 8 | 5725.00 | 59.33 | 74.00 | -14.67 | 51.20 | 6.83 | 34.43 | 33.13 | | | 157 | 330 | Peak | VERTICAL |

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

Channel 140

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|------------|-------|-------|----------------|---------------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | | | | | | |
| MHz | dBuV/m | dBuV/m | dB | | | | | | | | cm | deg | | |
| 1 | 5702.24 | 100.02 | | | 91.91 | 6.81 | 34.42 | 33.12 | | | 154 | 327 | Average | VERTICAL |
| 2 | 5702.56 | 110.71 | | | 102.60 | 6.81 | 34.42 | 33.12 | | | 154 | 327 | Peak | VERTICAL |
| 3 | 5725.00 | 52.24 | 54.00 | -1.76 | 44.11 | 6.83 | 34.43 | 33.13 | | | 154 | 327 | Average | VERTICAL |
| 4 | 5725.00 | 72.75 | 74.00 | -1.25 | 64.62 | 6.83 | 34.43 | 33.13 | | | 154 | 327 | Peak | VERTICAL |

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



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date | Aug. 04, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 149

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 5712.63 | 69.15 | 74.00 | -4.85 | 61.03 | 6.83 | 34.42 | 33.13 | 126 | 319 | Peak | VERTICAL |
| 2 | 5715.00 | 50.98 | 54.00 | -3.02 | 42.86 | 6.83 | 34.42 | 33.13 | 126 | 319 | Average | VERTICAL |
| 3 | 5723.37 | 77.07 | 78.20 | -1.13 | 68.94 | 6.83 | 34.43 | 33.13 | 126 | 319 | Peak | VERTICAL |
| 4 | 5742.60 | 98.45 | | | 90.29 | 6.86 | 34.44 | 33.14 | 126 | 319 | Average | VERTICAL |
| 5 | 5742.60 | 110.13 | | | 101.97 | 6.86 | 34.44 | 33.14 | 126 | 319 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5745 MHz.

Channel 157

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 5702.63 | 51.41 | 54.00 | -2.59 | 43.30 | 6.81 | 34.42 | 33.12 | 180 | 317 | Average | VERTICAL |
| 2 | 5705.19 | 63.89 | 74.00 | -10.11 | 55.77 | 6.83 | 34.42 | 33.13 | 180 | 317 | Peak | VERTICAL |
| 3 | 5715.64 | 62.12 | 78.20 | -16.08 | 54.00 | 6.83 | 34.42 | 33.13 | 180 | 317 | Peak | VERTICAL |
| 4 | 5782.76 | 113.79 | | | 105.58 | 6.90 | 34.47 | 33.16 | 180 | 317 | Peak | VERTICAL |
| 5 | 5787.56 | 102.99 | | | 94.77 | 6.90 | 34.48 | 33.16 | 180 | 317 | Average | VERTICAL |
| 6 | 5851.35 | 68.70 | 78.20 | -9.50 | 60.41 | 6.95 | 34.51 | 33.17 | 180 | 317 | Peak | VERTICAL |
| 7 | 5862.56 | 52.40 | 54.00 | -1.60 | 44.09 | 6.97 | 34.52 | 33.18 | 180 | 317 | Average | VERTICAL |
| 8 | 5862.89 | 66.80 | 74.00 | -7.20 | 58.49 | 6.97 | 34.52 | 33.18 | 180 | 317 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5785 MHz.

Channel 165

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | |
| 1 | 5824.04 | 100.74 | | | 92.48 | 6.92 | 34.50 | 33.16 | 206 | 343 | Average | VERTICAL |
| 2 | 5824.20 | 111.56 | | | 103.30 | 6.92 | 34.50 | 33.16 | 206 | 343 | Peak | VERTICAL |
| 3 | 5852.08 | 75.61 | 78.20 | -2.59 | 67.32 | 6.95 | 34.51 | 33.17 | 206 | 343 | Peak | VERTICAL |
| 4 | 5860.00 | 52.18 | 54.00 | -1.82 | 43.87 | 6.97 | 34.52 | 33.18 | 206 | 343 | Average | VERTICAL |
| 5 | 5861.70 | 67.79 | 74.00 | -6.21 | 59.48 | 6.97 | 34.52 | 33.18 | 206 | 343 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5825 MHz.



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 |
| Test Date | Aug. 04, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 38

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5147.37 | 71.25 | 74.00 | -2.75 | 64.35 | 6.21 | 33.74 | 33.05 | 212 | 1 | Peak | VERTICAL |
| 2 | 5149.30 | 52.97 | 54.00 | -1.03 | 46.07 | 6.21 | 33.74 | 33.05 | 212 | 1 | Average | VERTICAL |
| 3 | 5194.17 | 96.32 | | | 89.31 | 6.24 | 33.82 | 33.05 | 212 | 1 | Average | VERTICAL |
| 4 | 5194.49 | 106.66 | | | 99.65 | 6.24 | 33.82 | 33.05 | 212 | 1 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5149.20 | 64.95 | 74.00 | -9.05 | 58.05 | 6.21 | 33.74 | 33.05 | 132 | 241 | Peak | VERTICAL |
| 2 | 5149.60 | 50.67 | 54.00 | -3.33 | 43.77 | 6.21 | 33.74 | 33.05 | 132 | 241 | Average | VERTICAL |
| 3 | 5234.80 | 99.84 | | | 92.72 | 6.30 | 33.87 | 33.05 | 132 | 241 | Average | VERTICAL |
| 4 | 5234.80 | 109.99 | | | 102.87 | 6.30 | 33.87 | 33.05 | 132 | 241 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5230 MHz.



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 |
| Test Date | Aug. 04, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 54

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|-------|-------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | | | | |
| 1 | 5265.19 | 99.85 | | | 92.64 | 6.34 | 33.93 | 33.06 | 162 | 118 | Average | VERTICAL |
| 2 | 5265.19 | 109.92 | | | 102.71 | 6.34 | 33.93 | 33.06 | 162 | 118 | Peak | VERTICAL |
| 3 | 5350.00 | 52.77 | 54.00 | -1.23 | 45.30 | 6.47 | 34.06 | 33.06 | 162 | 118 | Average | VERTICAL |
| 4 | 5352.69 | 68.30 | 74.00 | -5.70 | 60.83 | 6.47 | 34.06 | 33.06 | 162 | 118 | Peak | VERTICAL |

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

Channel 62

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|-------|-------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | | | | |
| 1 | 5305.19 | 96.56 | | | 89.24 | 6.40 | 33.98 | 33.06 | 213 | 254 | Average | VERTICAL |
| 2 | 5305.19 | 105.60 | | | 98.28 | 6.40 | 33.98 | 33.06 | 213 | 254 | Peak | VERTICAL |
| 3 | 5350.00 | 52.86 | 54.00 | -1.14 | 45.39 | 6.47 | 34.06 | 33.06 | 213 | 254 | Average | VERTICAL |
| 4 | 5350.71 | 69.56 | 74.00 | -4.44 | 62.09 | 6.47 | 34.06 | 33.06 | 213 | 254 | Peak | VERTICAL |

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

| | | | |
|----------------------|--|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date | Aug. 04, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 102

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|-------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | | dBuV/m | dBuV/m | | dB | dBuV | dB | dB | | | |
| 1 | 5459.36 | 65.20 | 74.00 | -8.80 | 57.44 | 6.60 | 34.22 | 33.06 | 184 | 252 Peak | VERTICAL |
| 2 | 5460.00 | 50.56 | 54.00 | -3.44 | 42.80 | 6.60 | 34.22 | 33.06 | 184 | 252 Average | VERTICAL |
| 3 | 5467.37 | 72.76 | 74.00 | -1.24 | 64.97 | 6.60 | 34.25 | 33.06 | 184 | 252 Peak | VERTICAL |
| 4 | 5470.00 | 52.77 | 54.00 | -1.23 | 44.98 | 6.60 | 34.25 | 33.06 | 184 | 252 Average | VERTICAL |
| 5 | 5512.89 | 97.66 | | | 89.78 | 6.65 | 34.30 | 33.07 | 184 | 252 Average | VERTICAL |
| 6 | 5515.13 | 107.18 | | | 99.29 | 6.65 | 34.31 | 33.07 | 184 | 252 Peak | VERTICAL |

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

Channel 110

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|--------|--------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | | dBuV/m | dBuV/m | | dB | dBuV | dB | dB | | | |
| 1 | 5459.30 | 63.02 | 74.00 | -10.98 | 55.26 | 6.60 | 34.22 | 33.06 | 152 | 249 Peak | VERTICAL |
| 2 | 5460.00 | 51.24 | 54.00 | -2.76 | 43.48 | 6.60 | 34.22 | 33.06 | 152 | 249 Average | VERTICAL |
| 3 | 5467.40 | 52.83 | 54.00 | -1.17 | 45.04 | 6.60 | 34.25 | 33.06 | 152 | 249 Average | VERTICAL |
| 4 | 5469.55 | 66.43 | 74.00 | -7.57 | 58.64 | 6.60 | 34.25 | 33.06 | 152 | 249 Peak | VERTICAL |
| 5 | 5555.13 | 100.69 | | | 92.74 | 6.70 | 34.33 | 33.08 | 152 | 249 Average | VERTICAL |
| 6 | 5555.13 | 110.96 | | | 103.01 | 6.70 | 34.33 | 33.08 | 152 | 249 Peak | VERTICAL |

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

Channel 134

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|-------|-------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | | dBuV/m | dBuV/m | | dB | dBuV | dB | dB | | | |
| 1 | 5674.81 | 96.29 | | | 88.22 | 6.79 | 34.40 | 33.12 | 149 | 253 Average | VERTICAL |
| 2 | 5675.13 | 105.59 | | | 97.52 | 6.79 | 34.40 | 33.12 | 149 | 253 Peak | VERTICAL |
| 3 | 5725.77 | 52.78 | 54.00 | -1.22 | 44.65 | 6.83 | 34.43 | 33.13 | 149 | 253 Average | VERTICAL |
| 4 | 5725.77 | 67.93 | 74.00 | -6.07 | 59.80 | 6.83 | 34.43 | 33.13 | 149 | 253 Peak | VERTICAL |

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



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 |
| Test Date | Aug. 04, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 151

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | dB |
| 1 | 5713.40 | 70.35 | 74.00 | -3.65 | 62.23 | 6.83 | 34.42 | 33.13 | 150 | 253 | Peak | VERTICAL |
| 2 | 5715.00 | 52.76 | 54.00 | -1.24 | 44.64 | 6.83 | 34.42 | 33.13 | 150 | 253 | Average | VERTICAL |
| 3 | 5717.95 | 72.59 | 78.20 | -5.61 | 64.46 | 6.83 | 34.43 | 33.13 | 150 | 253 | Peak | VERTICAL |
| 4 | 5759.81 | 103.95 | | | 95.76 | 6.88 | 34.46 | 33.15 | 150 | 253 | Peak | VERTICAL |
| 5 | 5760.13 | 94.38 | | | 86.19 | 6.88 | 34.46 | 33.15 | 150 | 253 | Average | VERTICAL |

Item 4, 5 are the fundamental frequency at 5755 MHz.

Channel 159

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | dB | dB | dB/m | dB |
| 1 | 5710.39 | 64.66 | 74.00 | -9.34 | 56.54 | 6.83 | 34.42 | 33.13 | 177 | 251 | Peak | VERTICAL |
| 2 | 5712.31 | 49.69 | 54.00 | -4.31 | 41.57 | 6.83 | 34.42 | 33.13 | 177 | 251 | Average | VERTICAL |
| 3 | 5724.68 | 66.91 | 78.20 | -11.29 | 58.78 | 6.83 | 34.43 | 33.13 | 177 | 251 | Peak | VERTICAL |
| 4 | 5800.13 | 97.03 | | | 88.81 | 6.90 | 34.48 | 33.16 | 177 | 251 | Average | VERTICAL |
| 5 | 5800.13 | 106.46 | | | 98.24 | 6.90 | 34.48 | 33.16 | 177 | 251 | Peak | VERTICAL |
| 6 | 5851.28 | 71.77 | 78.20 | -6.43 | 63.48 | 6.95 | 34.51 | 33.17 | 177 | 251 | Peak | VERTICAL |
| 7 | 5860.39 | 52.54 | 54.00 | -1.46 | 44.23 | 6.97 | 34.52 | 33.18 | 177 | 251 | Average | VERTICAL |
| 8 | 5860.39 | 68.00 | 74.00 | -6.00 | 59.69 | 6.97 | 34.52 | 33.18 | 177 | 251 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5795 MHz.



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2 |
| Test Date | Aug. 04, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 42

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5145.10 | 52.89 | 54.00 | -1.11 | 45.99 | 6.21 | 33.74 | 33.05 | 188 | 256 | Average | VERTICAL |
| 2 | 5150.00 | 67.24 | 74.00 | -6.76 | 60.34 | 6.21 | 33.74 | 33.05 | 188 | 256 | Peak | VERTICAL |
| 3 | 5195.58 | 93.10 | | | 86.06 | 6.27 | 33.82 | 33.05 | 188 | 256 | Average | VERTICAL |
| 4 | 5195.58 | 102.10 | | | 95.06 | 6.27 | 33.82 | 33.05 | 188 | 256 | Peak | VERTICAL |
| 5 | 5361.44 | 59.96 | 74.00 | -14.04 | 52.46 | 6.47 | 34.09 | 33.06 | 188 | 256 | Peak | VERTICAL |
| 6 | 5403.91 | 47.74 | 54.00 | -6.26 | 40.13 | 6.53 | 34.14 | 33.06 | 188 | 256 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 58

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5057.63 | 57.18 | 74.00 | -16.82 | 50.54 | 6.08 | 33.61 | 33.05 | 192 | 252 | Peak | VERTICAL |
| 2 | 5135.35 | 47.33 | 54.00 | -6.67 | 40.50 | 6.17 | 33.71 | 33.05 | 192 | 252 | Average | VERTICAL |
| 3 | 5285.19 | 92.64 | | | 85.38 | 6.37 | 33.95 | 33.06 | 192 | 252 | Average | VERTICAL |
| 4 | 5298.01 | 101.75 | | | 94.43 | 6.40 | 33.98 | 33.06 | 192 | 252 | Peak | VERTICAL |
| 5 | 5350.00 | 52.93 | 54.00 | -1.07 | 45.46 | 6.47 | 34.06 | 33.06 | 192 | 252 | Average | VERTICAL |
| 6 | 5358.11 | 67.68 | 74.00 | -6.32 | 60.21 | 6.47 | 34.06 | 33.06 | 192 | 252 | Peak | VERTICAL |

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

| | | | |
|----------------------|--|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 |
| Test Date | Aug. 04, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 106

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBm | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5456.28 | 66.07 | 74.00 | -7.93 | 58.31 | 6.60 | 34.22 | 33.06 | 152 | 131 | Peak | VERTICAL |
| 2 | 5457.08 | 52.27 | 54.00 | -1.73 | 44.51 | 6.60 | 34.22 | 33.06 | 152 | 131 | Average | VERTICAL |
| 3 | 5460.80 | 52.35 | 54.00 | -1.65 | 44.59 | 6.60 | 34.22 | 33.06 | 152 | 131 | Average | VERTICAL |
| 4 | 5460.80 | 68.91 | 74.00 | -5.09 | 61.15 | 6.60 | 34.22 | 33.06 | 152 | 131 | Peak | VERTICAL |
| 5 | 5534.81 | 103.22 | | | 95.30 | 6.68 | 34.32 | 33.08 | 152 | 131 | Peak | VERTICAL |
| 6 | 5539.62 | 93.28 | | | 85.36 | 6.68 | 34.32 | 33.08 | 152 | 131 | Average | VERTICAL |
| 7 | 5764.78 | 59.52 | 74.00 | -14.48 | 51.33 | 6.88 | 34.46 | 33.15 | 152 | 131 | Peak | VERTICAL |
| 8 | 5767.18 | 48.26 | 54.00 | -5.74 | 40.07 | 6.88 | 34.46 | 33.15 | 152 | 131 | Average | VERTICAL |

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

Channel 122

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBm | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5457.76 | 50.56 | 54.00 | -3.44 | 42.80 | 6.60 | 34.22 | 33.06 | 135 | 251 | Average | VERTICAL |
| 2 | 5459.36 | 63.83 | 74.00 | -10.17 | 56.07 | 6.60 | 34.22 | 33.06 | 135 | 251 | Peak | VERTICAL |
| 3 | 5465.99 | 64.47 | 68.20 | -3.73 | 56.68 | 6.60 | 34.25 | 33.06 | 135 | 251 | Peak | VERTICAL |
| 4 | 5597.18 | 95.30 | | | 87.32 | 6.72 | 34.35 | 33.09 | 135 | 251 | Average | VERTICAL |
| 5 | 5602.79 | 104.59 | | | 96.59 | 6.74 | 34.36 | 33.10 | 135 | 251 | Peak | VERTICAL |
| 6 | 5730.19 | 67.12 | 68.20 | -1.08 | 58.99 | 6.83 | 34.43 | 33.13 | 135 | 251 | Peak | VERTICAL |

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

Channel 155

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBm | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5706.09 | 52.72 | 54.00 | -1.28 | 44.60 | 6.83 | 34.42 | 33.13 | 260 | 344 | Average | VERTICAL |
| 2 | 5711.70 | 68.14 | 74.00 | -5.86 | 60.02 | 6.83 | 34.42 | 33.13 | 260 | 344 | Peak | VERTICAL |
| 3 | 5723.40 | 71.60 | 78.20 | -6.60 | 63.47 | 6.83 | 34.43 | 33.13 | 260 | 344 | Peak | VERTICAL |
| 4 | 5811.86 | 93.26 | | | 85.01 | 6.92 | 34.49 | 33.16 | 260 | 344 | Average | VERTICAL |
| 5 | 5811.86 | 103.36 | | | 95.11 | 6.92 | 34.49 | 33.16 | 260 | 344 | Peak | VERTICAL |
| 6 | 5857.53 | 70.03 | 78.20 | -8.17 | 61.73 | 6.95 | 34.52 | 33.17 | 260 | 344 | Peak | VERTICAL |
| 7 | 5860.00 | 52.26 | 54.00 | -1.74 | 43.95 | 6.97 | 34.52 | 33.18 | 260 | 344 | Average | VERTICAL |
| 8 | 5867.95 | 67.50 | 74.00 | -6.50 | 59.19 | 6.97 | 34.52 | 33.18 | 260 | 344 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5775 MHz.



Straddle Channel

| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 |
| Test Date | Jul. 30, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 144

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5717.44 | 105.85 | | | 97.73 | 6.83 | 34.42 | 33.13 | 150 | 328 | Average | VERTICAL |
| 2 | 5722.56 | 117.10 | | | 108.97 | 6.83 | 34.43 | 33.13 | 150 | 328 | Peak | VERTICAL |
| 3 | 5850.00 | 60.33 | 68.20 | -7.87 | 52.04 | 6.95 | 34.51 | 33.17 | 150 | 328 | Peak | VERTICAL |

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



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 |
| Test Date | Aug. 04, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 142

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|-------|--------|---------|--------|-------|-------|-------------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5705.51 | 102.89 | | | 94.77 | 6.83 | 34.42 | 33.13 | 254 | 256 Average | VERTICAL |
| 2 | 5707.44 | 112.46 | | | 104.34 | 6.83 | 34.42 | 33.13 | 254 | 256 Peak | VERTICAL |
| 3 | 5865.77 | 51.91 | 54.00 | -2.09 | 43.60 | 6.97 | 34.52 | 33.18 | 254 | 256 Average | VERTICAL |
| 4 | 5867.69 | 65.00 | 74.00 | -9.00 | 56.69 | 6.97 | 34.52 | 33.18 | 254 | 256 Peak | VERTICAL |

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



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 |
| Test Date | Aug. 04, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) | | |

Channel 138

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|--------|---------|--------|-------|-------|---------------|------------------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5699.62 | 108.56 | | | | 100.46 | 6.81 | 34.41 | 33.12 | 194 | 340 | Peak VERTICAL |
| 2 | 5701.22 | 98.86 | | | | 90.75 | 6.81 | 34.42 | 33.12 | 194 | 340 | Average VERTICAL |
| 3 | 5853.46 | 66.95 | 68.20 | -1.25 | 58.66 | 6.95 | 34.51 | 33.17 | 194 | 340 | 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 | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 05, 2015 ~ Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 36

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5148.80 | 69.27 | 74.00 | -4.73 | 62.37 | 6.21 | 33.74 | 33.05 | 176 | 133 | Peak | VERTICAL |
| 2 | 5149.20 | 52.79 | 54.00 | -1.21 | 45.89 | 6.21 | 33.74 | 33.05 | 176 | 133 | Average | VERTICAL |
| 3 | 5178.80 | 113.22 | | | 106.24 | 6.24 | 33.79 | 33.05 | 176 | 133 | Peak | VERTICAL |
| 4 | 5179.20 | 102.36 | | | 95.38 | 6.24 | 33.79 | 33.05 | 176 | 133 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5118.80 | 52.67 | 54.00 | -1.33 | 45.86 | 6.17 | 33.69 | 33.05 | 174 | 133 | Average | VERTICAL |
| 2 | 5148.40 | 67.30 | 74.00 | -6.70 | 60.40 | 6.21 | 33.74 | 33.05 | 174 | 133 | Peak | VERTICAL |
| 3 | 5193.60 | 117.92 | | | 110.91 | 6.24 | 33.82 | 33.05 | 174 | 133 | Peak | VERTICAL |
| 4 | 5198.80 | 106.52 | | | 99.48 | 6.27 | 33.82 | 33.05 | 174 | 133 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5143.60 | 59.39 | 74.00 | -14.61 | 52.53 | 6.17 | 33.74 | 33.05 | 190 | 243 | Peak | VERTICAL |
| 2 | 5149.60 | 46.42 | 54.00 | -7.58 | 39.52 | 6.21 | 33.74 | 33.05 | 190 | 243 | Average | VERTICAL |
| 3 | 5237.20 | 114.50 | | | 107.38 | 6.30 | 33.87 | 33.05 | 190 | 243 | Peak | VERTICAL |
| 4 | 5237.60 | 103.63 | | | 96.51 | 6.30 | 33.87 | 33.05 | 190 | 243 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5240 MHz.

| | | | |
|----------------------|--|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 52

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|------------|-------|-------|----------------|---------------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | | | | | | |
| MHz | dBuV/m | dBuV/m | dB | | | | | | | | cm | deg | | |
| 1 | 5137.00 | 52.14 | 54.00 | -1.86 | 45.31 | 6.17 | 33.71 | 33.05 | | | 197 | 242 | Average | VERTICAL |
| 2 | 5141.80 | 63.28 | 74.00 | -10.72 | 56.42 | 6.17 | 33.74 | 33.05 | | | 197 | 242 | Peak | VERTICAL |
| 3 | 5262.40 | 107.99 | | | 100.78 | 6.34 | 33.93 | 33.06 | | | 197 | 242 | Average | VERTICAL |
| 4 | 5262.40 | 118.71 | | | 111.50 | 6.34 | 33.93 | 33.06 | | | 197 | 242 | Peak | VERTICAL |
| 5 | 5357.20 | 63.67 | 74.00 | -10.33 | 56.20 | 6.47 | 34.06 | 33.06 | | | 197 | 242 | Peak | VERTICAL |
| 6 | 5372.80 | 51.53 | 54.00 | -2.47 | 44.03 | 6.47 | 34.09 | 33.06 | | | 197 | 242 | Average | VERTICAL |

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

Channel 60

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|------------|-------|-------|----------------|---------------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | | | | | | |
| MHz | dBuV/m | dBuV/m | dB | | | | | | | | cm | deg | | |
| 1 | 5298.80 | 105.89 | | | 98.57 | 6.40 | 33.98 | 33.06 | | | 199 | 137 | Average | VERTICAL |
| 2 | 5299.40 | 116.64 | | | 109.32 | 6.40 | 33.98 | 33.06 | | | 199 | 137 | Peak | VERTICAL |
| 3 | 5352.20 | 52.51 | 54.00 | -1.49 | 45.04 | 6.47 | 34.06 | 33.06 | | | 199 | 137 | Average | VERTICAL |
| 4 | 5354.00 | 66.62 | 74.00 | -7.38 | 59.15 | 6.47 | 34.06 | 33.06 | | | 199 | 137 | Peak | VERTICAL |

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

Channel 64

| Freq | Level | Limit | | Over Limit | Read Level | Cable Loss | | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|------------|-------|-------|----------------|---------------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | | | | | | |
| MHz | dBuV/m | dBuV/m | dB | | | | | | | | cm | deg | | |
| 1 | 5318.80 | 114.30 | | | 106.95 | 6.40 | 34.01 | 33.06 | | | 201 | 134 | Peak | VERTICAL |
| 2 | 5319.00 | 103.01 | | | 95.66 | 6.40 | 34.01 | 33.06 | | | 201 | 134 | Average | VERTICAL |
| 3 | 5354.00 | 52.64 | 54.00 | -1.36 | 45.17 | 6.47 | 34.06 | 33.06 | | | 201 | 134 | Average | VERTICAL |
| 4 | 5354.20 | 72.63 | 74.00 | -1.37 | 65.16 | 6.47 | 34.06 | 33.06 | | | 201 | 134 | Peak | VERTICAL |

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

| | | | |
|----------------------|--|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 100

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| MHz | dBuV/m | dBuV/m | | dB | | | | | | | | |
| 1 | 5459.00 | 49.92 | 54.00 | -4.08 | 42.16 | 6.60 | 34.22 | 33.06 | 178 | 347 | Average | VERTICAL |
| 2 | 5459.00 | 65.58 | 74.00 | -8.42 | 57.82 | 6.60 | 34.22 | 33.06 | 178 | 347 | Peak | VERTICAL |
| 3 | 5468.80 | 70.84 | 74.00 | -3.16 | 63.05 | 6.60 | 34.25 | 33.06 | 178 | 347 | Peak | VERTICAL |
| 4 | 5469.20 | 52.96 | 54.00 | -1.04 | 45.17 | 6.60 | 34.25 | 33.06 | 178 | 347 | Average | VERTICAL |
| 5 | 5498.60 | 114.33 | | | 106.46 | 6.63 | 34.30 | 33.06 | 178 | 347 | Peak | VERTICAL |
| 6 | 5499.00 | 103.18 | | | 95.31 | 6.63 | 34.30 | 33.06 | 178 | 347 | Average | VERTICAL |

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

Channel 116

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| MHz | dBuV/m | dBuV/m | | dB | | | | | | | | |
| 1 | 5418.40 | 62.95 | 74.00 | -11.05 | 55.31 | 6.53 | 34.17 | 33.06 | 171 | 343 | Peak | VERTICAL |
| 2 | 5459.20 | 50.69 | 54.00 | -3.31 | 42.93 | 6.60 | 34.22 | 33.06 | 171 | 343 | Average | VERTICAL |
| 3 | 5464.00 | 50.40 | 54.00 | -3.60 | 42.61 | 6.60 | 34.25 | 33.06 | 171 | 343 | Average | VERTICAL |
| 4 | 5468.80 | 63.49 | 74.00 | -10.51 | 55.70 | 6.60 | 34.25 | 33.06 | 171 | 343 | Peak | VERTICAL |
| 5 | 5584.00 | 107.73 | | | 99.75 | 6.72 | 34.35 | 33.09 | 171 | 343 | Average | VERTICAL |
| 6 | 5584.00 | 118.05 | | | 110.07 | 6.72 | 34.35 | 33.09 | 171 | 343 | Peak | VERTICAL |
| 7 | 5739.20 | 61.92 | 74.00 | -12.08 | 53.76 | 6.86 | 34.44 | 33.14 | 171 | 343 | Peak | VERTICAL |
| 8 | 5740.00 | 50.17 | 54.00 | -3.83 | 42.01 | 6.86 | 34.44 | 33.14 | 171 | 343 | Average | VERTICAL |

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

Channel 140

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| MHz | dBuV/m | dBuV/m | | dB | | | | | | | | |
| 1 | 5698.80 | 102.04 | | | 93.94 | 6.81 | 34.41 | 33.12 | 153 | 338 | Average | VERTICAL |
| 2 | 5699.20 | 112.68 | | | 104.58 | 6.81 | 34.41 | 33.12 | 153 | 338 | Peak | VERTICAL |
| 3 | 5725.00 | 52.68 | 54.00 | -1.32 | 44.55 | 6.83 | 34.43 | 33.13 | 153 | 338 | Average | VERTICAL |
| 4 | 5729.20 | 70.08 | 74.00 | -3.92 | 61.95 | 6.83 | 34.43 | 33.13 | 153 | 338 | Peak | VERTICAL |

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

| | | | |
|----------------------|--|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 149

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5714.00 | 49.12 | 54.00 | -4.88 | 41.00 | 6.83 | 34.42 | 33.13 | 199 | 340 | Average | VERTICAL |
| 2 | 5715.00 | 68.68 | 74.00 | -5.32 | 60.56 | 6.83 | 34.42 | 33.13 | 199 | 340 | Peak | VERTICAL |
| 3 | 5724.40 | 76.93 | 78.20 | -1.27 | 68.80 | 6.83 | 34.43 | 33.13 | 199 | 340 | Peak | VERTICAL |
| 4 | 5744.00 | 98.79 | | | 90.63 | 6.86 | 34.44 | 33.14 | 199 | 340 | Average | VERTICAL |
| 5 | 5749.40 | 110.34 | | | 102.18 | 6.86 | 34.44 | 33.14 | 199 | 340 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5745 MHz.

Channel 157

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5715.00 | 65.08 | 68.20 | -3.12 | 56.96 | 6.83 | 34.42 | 33.13 | 163 | 334 | Peak | VERTICAL |
| 2 | 5723.80 | 68.73 | 78.20 | -9.47 | 60.60 | 6.83 | 34.43 | 33.13 | 163 | 334 | Peak | VERTICAL |
| 3 | 5783.80 | 117.09 | | | 108.88 | 6.90 | 34.47 | 33.16 | 163 | 334 | Peak | VERTICAL |
| 4 | 5784.40 | 106.84 | | | 98.63 | 6.90 | 34.47 | 33.16 | 163 | 334 | Average | VERTICAL |
| 5 | 5852.80 | 69.23 | 78.20 | -8.97 | 60.94 | 6.95 | 34.51 | 33.17 | 163 | 334 | Peak | VERTICAL |
| 6 | 5878.00 | 67.13 | 68.20 | -1.07 | 58.81 | 6.97 | 34.53 | 33.18 | 163 | 334 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5823.60 | 114.42 | | | 106.16 | 6.92 | 34.50 | 33.16 | 167 | 336 | Peak | VERTICAL |
| 2 | 5824.00 | 103.58 | | | 95.32 | 6.92 | 34.50 | 33.16 | 167 | 336 | Average | VERTICAL |
| 3 | 5854.80 | 75.88 | 78.20 | -2.32 | 67.58 | 6.95 | 34.52 | 33.17 | 167 | 336 | Peak | VERTICAL |
| 4 | 5860.00 | 52.92 | 54.00 | -1.08 | 44.61 | 6.97 | 34.52 | 33.18 | 167 | 336 | Average | VERTICAL |
| 5 | 5860.20 | 72.89 | 74.00 | -1.11 | 64.58 | 6.97 | 34.52 | 33.18 | 167 | 336 | Peak | VERTICAL |

Item 1, 2 are the fundamental frequency at 5825 MHz.



| | | | |
|---------------|--|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 38

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 5149.60 | 68.66 | 74.00 | -5.34 | 61.76 | 6.21 | 33.74 | 33.05 | 178 | 134 | Peak | VERTICAL |
| 2 | 5150.00 | 52.63 | 54.00 | -1.37 | 45.73 | 6.21 | 33.74 | 33.05 | 178 | 134 | Average | VERTICAL |
| 3 | 5193.60 | 108.35 | | | 101.34 | 6.24 | 33.82 | 33.05 | 178 | 134 | Peak | VERTICAL |
| 4 | 5194.00 | 98.54 | | | 91.53 | 6.24 | 33.82 | 33.05 | 178 | 134 | Average | VERTICAL |

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | deg |
| 1 | 5148.80 | 50.57 | 54.00 | -3.43 | 43.67 | 6.21 | 33.74 | 33.05 | 210 | 122 | Average | VERTICAL |
| 2 | 5149.20 | 64.38 | 74.00 | -9.62 | 57.48 | 6.21 | 33.74 | 33.05 | 210 | 122 | Peak | VERTICAL |
| 3 | 5234.80 | 101.85 | | | 94.73 | 6.30 | 33.87 | 33.05 | 210 | 122 | Average | VERTICAL |
| 4 | 5234.80 | 111.86 | | | 104.74 | 6.30 | 33.87 | 33.05 | 210 | 122 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5230 MHz.

| | | | |
|----------------------|--|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 54

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|-------|--------|---------|--------|-------|-------|--------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5262.40 | 101.31 | | | 94.10 | 6.34 | 33.93 | 33.06 | 180 | 232 | Average |
| 2 | 5262.40 | 111.21 | | | 104.00 | 6.34 | 33.93 | 33.06 | 180 | 232 | Peak |
| 3 | 5352.80 | 52.88 | 54.00 | -1.12 | 45.41 | 6.47 | 34.06 | 33.06 | 180 | 232 | Average |
| 4 | 5352.80 | 66.13 | 74.00 | -7.87 | 58.66 | 6.47 | 34.06 | 33.06 | 180 | 232 | Peak |

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

Channel 62

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|-------|--------|---------|--------|-------|-------|--------|-----------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5314.00 | 98.29 | | | 90.94 | 6.40 | 34.01 | 33.06 | 174 | 126 | Average |
| 2 | 5314.40 | 107.47 | | | 100.12 | 6.40 | 34.01 | 33.06 | 174 | 126 | Peak |
| 3 | 5350.00 | 52.88 | 54.00 | -1.12 | 45.41 | 6.47 | 34.06 | 33.06 | 174 | 126 | Average |
| 4 | 5350.00 | 68.58 | 74.00 | -5.42 | 61.11 | 6.47 | 34.06 | 33.06 | 174 | 126 | Peak |

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

| | | | |
|----------------------|--|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 102

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5458.40 | 50.05 | 54.00 | -3.95 | 42.29 | 6.60 | 34.22 | 33.06 | 175 | 346 | Average | VERTICAL |
| 2 | 5459.20 | 64.46 | 74.00 | -9.54 | 56.70 | 6.60 | 34.22 | 33.06 | 175 | 346 | Peak | VERTICAL |
| 3 | 5468.80 | 52.96 | 54.00 | -1.04 | 45.17 | 6.60 | 34.25 | 33.06 | 175 | 346 | Average | VERTICAL |
| 4 | 5469.20 | 70.17 | 74.00 | -3.83 | 62.38 | 6.60 | 34.25 | 33.06 | 175 | 346 | Peak | VERTICAL |
| 5 | 5514.40 | 97.15 | | | 89.26 | 6.65 | 34.31 | 33.07 | 175 | 346 | Average | VERTICAL |
| 6 | 5514.40 | 106.93 | | | 99.04 | 6.65 | 34.31 | 33.07 | 175 | 346 | Peak | VERTICAL |

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

Channel 110

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5459.60 | 51.58 | 54.00 | -2.42 | 43.82 | 6.60 | 34.22 | 33.06 | 191 | 233 | Average | VERTICAL |
| 2 | 5459.60 | 65.53 | 74.00 | -8.47 | 57.77 | 6.60 | 34.22 | 33.06 | 191 | 233 | Peak | VERTICAL |
| 3 | 5468.80 | 66.87 | 68.20 | -1.33 | 59.08 | 6.60 | 34.25 | 33.06 | 191 | 233 | Peak | VERTICAL |
| 4 | 5537.60 | 100.46 | | | 92.54 | 6.68 | 34.32 | 33.08 | 191 | 233 | Average | VERTICAL |
| 5 | 5537.60 | 110.23 | | | 102.31 | 6.68 | 34.32 | 33.08 | 191 | 233 | Peak | VERTICAL |

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

Channel 134

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5652.40 | 97.71 | | | 89.67 | 6.76 | 34.39 | 33.11 | 174 | 226 | Average | VERTICAL |
| 2 | 5652.40 | 107.64 | | | 99.60 | 6.76 | 34.39 | 33.11 | 174 | 226 | Peak | VERTICAL |
| 3 | 5726.00 | 52.61 | 54.00 | -1.39 | 44.48 | 6.83 | 34.43 | 33.13 | 174 | 226 | Average | VERTICAL |
| 4 | 5727.20 | 68.05 | 74.00 | -5.95 | 59.92 | 6.83 | 34.43 | 33.13 | 174 | 226 | Peak | VERTICAL |

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

| | | | |
|----------------------|--|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 151

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | | dBuV/m | dBuV/m | | | | | | | | | |
| 1 | 5714.20 | 52.94 | 54.00 | -1.06 | 44.82 | 6.83 | 34.42 | 33.13 | 191 | 329 | Average | VERTICAL |
| 2 | 5714.20 | 71.91 | 74.00 | -2.09 | 63.79 | 6.83 | 34.42 | 33.13 | 191 | 329 | Peak | VERTICAL |
| 3 | 5724.20 | 76.72 | 78.20 | -1.48 | 68.59 | 6.83 | 34.43 | 33.13 | 191 | 329 | Peak | VERTICAL |
| 4 | 5759.00 | 98.79 | | | 90.60 | 6.88 | 34.46 | 33.15 | 191 | 329 | Average | VERTICAL |
| 5 | 5759.40 | 108.57 | | | 100.38 | 6.88 | 34.46 | 33.15 | 191 | 329 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5755 MHz.

Channel 159

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | | dBuV/m | dBuV/m | | | | | | | | | |
| 1 | 5709.00 | 62.31 | 74.00 | -11.69 | 54.19 | 6.83 | 34.42 | 33.13 | 144 | 325 | Peak | VERTICAL |
| 2 | 5713.80 | 49.87 | 54.00 | -4.13 | 41.75 | 6.83 | 34.42 | 33.13 | 144 | 325 | Average | VERTICAL |
| 3 | 5723.00 | 65.25 | 78.20 | -12.95 | 57.12 | 6.83 | 34.43 | 33.13 | 144 | 325 | Peak | VERTICAL |
| 4 | 5799.40 | 110.61 | | | 102.39 | 6.90 | 34.48 | 33.16 | 144 | 325 | Peak | VERTICAL |
| 5 | 5809.00 | 100.80 | | | 92.55 | 6.92 | 34.49 | 33.16 | 144 | 325 | Average | VERTICAL |
| 6 | 5855.00 | 72.77 | 78.20 | -5.43 | 64.47 | 6.95 | 34.52 | 33.17 | 144 | 325 | Peak | VERTICAL |
| 7 | 5860.00 | 52.71 | 54.00 | -1.29 | 44.40 | 6.97 | 34.52 | 33.18 | 144 | 325 | Average | VERTICAL |
| 8 | 5864.20 | 68.47 | 74.00 | -5.53 | 60.16 | 6.97 | 34.52 | 33.18 | 144 | 325 | Peak | VERTICAL |

Item 4, 5 are the fundamental frequency at 5795 MHz.

| | | | |
|----------------------|--|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 42

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|--------------|--------|---------------|-------|-------|---------|-----------|
| | | Line | dB | | | Antenna Loss | Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5147.00 | 52.83 | 54.00 | -1.17 | 45.93 | 6.21 | 33.74 | 33.05 | 217 | 225 | Average | VERTICAL |
| 2 | 5147.00 | 70.15 | 74.00 | -3.85 | 63.25 | 6.21 | 33.74 | 33.05 | 217 | 225 | Peak | VERTICAL |
| 3 | 5197.00 | 94.80 | | | 87.76 | 6.27 | 33.82 | 33.05 | 217 | 225 | Average | VERTICAL |
| 4 | 5238.00 | 104.15 | | | 97.03 | 6.30 | 33.87 | 33.05 | 217 | 225 | Peak | VERTICAL |
| 5 | 5352.00 | 48.28 | 54.00 | -5.72 | 40.81 | 6.47 | 34.06 | 33.06 | 217 | 225 | Average | VERTICAL |
| 6 | 5362.00 | 61.10 | 74.00 | -12.90 | 53.60 | 6.47 | 34.09 | 33.06 | 217 | 225 | Peak | VERTICAL |

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 58

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|--------------|--------|---------------|-------|-------|---------|-----------|
| | | Line | dB | | | Antenna Loss | Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5082.00 | 46.99 | 54.00 | -7.01 | 40.30 | 6.11 | 33.63 | 33.05 | 207 | 304 | Average | VERTICAL |
| 2 | 5122.00 | 58.97 | 74.00 | -15.03 | 52.16 | 6.17 | 33.69 | 33.05 | 207 | 304 | Peak | VERTICAL |
| 3 | 5303.00 | 93.37 | | | 86.05 | 6.40 | 33.98 | 33.06 | 207 | 304 | Average | VERTICAL |
| 4 | 5303.00 | 102.13 | | | 94.81 | 6.40 | 33.98 | 33.06 | 207 | 304 | Peak | VERTICAL |
| 5 | 5353.00 | 52.62 | 54.00 | -1.38 | 45.15 | 6.47 | 34.06 | 33.06 | 207 | 304 | Average | VERTICAL |
| 6 | 5358.00 | 65.07 | 74.00 | -8.93 | 57.60 | 6.47 | 34.06 | 33.06 | 207 | 304 | Peak | VERTICAL |

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

| | | | |
|----------------------|--|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 106

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|-------|-------|----------------|---------------|---------|-------|----------|-----------|
| | | Line | dBuV/m | | | dBuV | dB | dB/m | | | | | | |
| 1 | 5449.00 | 65.01 | 74.00 | -8.99 | 57.29 | 6.56 | 34.22 | 33.06 | 170 | 119 | Peak | | VERTICAL | |
| 2 | 5459.00 | 51.89 | 54.00 | -2.11 | 44.13 | 6.60 | 34.22 | 33.06 | 170 | 119 | Average | | VERTICAL | |
| 3 | 5464.00 | 68.52 | 74.00 | -5.48 | 60.73 | 6.60 | 34.25 | 33.06 | 170 | 119 | Peak | | VERTICAL | |
| 4 | 5470.00 | 52.55 | 54.00 | -1.45 | 44.76 | 6.60 | 34.25 | 33.06 | 170 | 119 | Average | | VERTICAL | |
| 5 | 5539.00 | 102.50 | | | 94.58 | 6.68 | 34.32 | 33.08 | 170 | 119 | Peak | | VERTICAL | |
| 6 | 5540.00 | 93.12 | | | 85.20 | 6.68 | 34.32 | 33.08 | 170 | 119 | Average | | VERTICAL | |
| 7 | 5745.00 | 60.30 | 74.00 | -13.70 | 52.14 | 6.86 | 34.44 | 33.14 | 170 | 119 | Peak | | VERTICAL | |
| 8 | 5775.00 | 48.95 | 54.00 | -5.05 | 40.75 | 6.88 | 34.47 | 33.15 | 170 | 119 | Average | | VERTICAL | |

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

Channel 122

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|-------|-------|----------------|---------------|---------|-------|----------|-----------|
| | | Line | dBuV/m | | | dBuV | dB | dB/m | | | | | | |
| 1 | 5453.00 | 62.44 | 74.00 | -11.56 | 54.68 | 6.60 | 34.22 | 33.06 | 174 | 328 | Peak | | VERTICAL | |
| 2 | 5458.00 | 50.41 | 54.00 | -3.59 | 42.65 | 6.60 | 34.22 | 33.06 | 174 | 328 | Average | | VERTICAL | |
| 3 | 5463.00 | 62.82 | 68.20 | -5.38 | 55.03 | 6.60 | 34.25 | 33.06 | 174 | 328 | Peak | | VERTICAL | |
| 4 | 5614.00 | 105.21 | | | 97.21 | 6.74 | 34.36 | 33.10 | 174 | 328 | Peak | | VERTICAL | |
| 5 | 5619.00 | 96.44 | | | 88.43 | 6.74 | 34.37 | 33.10 | 174 | 328 | Average | | VERTICAL | |
| 6 | 5725.00 | 66.96 | 68.20 | -1.24 | 58.83 | 6.83 | 34.43 | 33.13 | 174 | 328 | Peak | | VERTICAL | |

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

Channel 155

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|-------|-------|----------------|---------------|---------|-------|----------|-----------|
| | | Line | dBuV/m | | | dBuV | dB | dB/m | | | | | | |
| 1 | 5713.00 | 65.95 | 74.00 | -8.05 | 57.83 | 6.83 | 34.42 | 33.13 | 191 | 331 | Peak | | VERTICAL | |
| 2 | 5714.00 | 52.46 | 54.00 | -1.54 | 44.34 | 6.83 | 34.42 | 33.13 | 191 | 331 | Average | | VERTICAL | |
| 3 | 5724.00 | 72.32 | 78.20 | -5.88 | 64.19 | 6.83 | 34.43 | 33.13 | 191 | 331 | Peak | | VERTICAL | |
| 4 | 5764.00 | 95.72 | | | 87.53 | 6.88 | 34.46 | 33.15 | 191 | 331 | Average | | VERTICAL | |
| 5 | 5769.00 | 105.27 | | | 97.07 | 6.88 | 34.47 | 33.15 | 191 | 331 | Peak | | VERTICAL | |
| 6 | 5850.00 | 70.45 | 78.20 | -7.75 | 62.16 | 6.95 | 34.51 | 33.17 | 191 | 331 | Peak | | VERTICAL | |
| 7 | 5860.00 | 52.81 | 54.00 | -1.19 | 44.50 | 6.97 | 34.52 | 33.18 | 191 | 331 | Average | | VERTICAL | |
| 8 | 5870.00 | 69.81 | 74.00 | -4.19 | 61.50 | 6.97 | 34.52 | 33.18 | 191 | 331 | Peak | | VERTICAL | |

Item 4, 5 are the fundamental frequency at 5775 MHz.



Straddle Channel

| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 144

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|--------|---------|--------|-------|-------|--------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5718.80 | 118.98 | | | | 110.85 | 6.83 | 34.43 | 33.13 | 184 | 342 | Peak |
| 2 | 5719.40 | 108.47 | | | | 100.34 | 6.83 | 34.43 | 33.13 | 184 | 342 | Average |
| 3 | 5850.80 | 63.06 | 68.20 | -5.14 | 54.77 | 6.95 | 34.51 | 33.17 | 184 | 342 | Peak | VERTICAL |

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



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 142

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|--------|---------|--------|-------|-------|--------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5714.00 | 103.92 | | | | 95.80 | 6.83 | 34.42 | 33.13 | 198 | 327 | Average |
| 2 | 5714.00 | 114.65 | | | | 106.53 | 6.83 | 34.42 | 33.13 | 198 | 327 | Peak |
| 3 | 5862.00 | 67.02 | 68.20 | -1.18 | 58.71 | 6.97 | 34.52 | 33.18 | 198 | 327 | Peak | VERTICAL |

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



| | | | |
|---------------|--|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 |
| Test Date | Aug. 06, 2015 | | |
| Test Mode | Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) | | |

Channel 138

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|--------|-----------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5699.00 | 98.78 | | | | 90.68 | 6.81 | 34.41 | 33.12 | 180 | 131 | Average |
| 2 | 5704.00 | 107.57 | | | | 99.46 | 6.81 | 34.42 | 33.12 | 180 | 131 | Peak |
| 3 | 5871.00 | 67.11 | 68.20 | -1.09 | 58.79 | 6.97 | 34.53 | 33.18 | 180 | 131 | 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

<For Beamforming Mode>

| | | | |
|----------------------|---|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date | Jul. 28, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 36

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|-------|--------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5149.55 | 70.10 | 74.00 | -3.90 | 63.20 | 6.21 | 33.74 | 33.05 | 150 | 343 Peak | HORIZONTAL |
| 2 | 5150.00 | 52.95 | 54.00 | -1.05 | 46.05 | 6.21 | 33.74 | 33.05 | 150 | 343 Average | HORIZONTAL |
| 3 | 5171.99 | 105.75 | | | 98.79 | 6.24 | 33.77 | 33.05 | 150 | 343 Average | HORIZONTAL |
| 4 | 5171.99 | 114.85 | | | 107.89 | 6.24 | 33.77 | 33.05 | 150 | 343 Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|--------|--------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5121.47 | 52.95 | 54.00 | -1.05 | 46.14 | 6.17 | 33.69 | 33.05 | 196 | 348 Average | HORIZONTAL |
| 2 | 5122.28 | 63.78 | 74.00 | -10.22 | 56.97 | 6.17 | 33.69 | 33.05 | 196 | 348 Peak | HORIZONTAL |
| 3 | 5200.80 | 107.49 | | | 100.45 | 6.27 | 33.82 | 33.05 | 196 | 348 Average | HORIZONTAL |
| 4 | 5202.40 | 116.69 | | | 109.65 | 6.27 | 33.82 | 33.05 | 196 | 348 Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|--------|--------|---------|--------|-------|-------|-------------|------------|
| | | Line | Limit | Level | Loss | Factor | Factor | cm | deg | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5111.80 | 51.72 | 54.00 | -2.28 | 44.94 | 6.14 | 33.69 | 33.05 | 199 | 344 Average | HORIZONTAL |
| 2 | 5111.80 | 62.87 | 74.00 | -11.13 | 56.09 | 6.14 | 33.69 | 33.05 | 199 | 344 Peak | HORIZONTAL |
| 3 | 5232.79 | 107.97 | | | 100.85 | 6.30 | 33.87 | 33.05 | 199 | 344 Average | HORIZONTAL |
| 4 | 5233.59 | 117.61 | | | 110.49 | 6.30 | 33.87 | 33.05 | 199 | 344 Peak | HORIZONTAL |
| 5 | 5352.18 | 63.53 | 74.00 | -10.47 | 56.06 | 6.47 | 34.06 | 33.06 | 199 | 344 Peak | HORIZONTAL |
| 6 | 5352.98 | 51.52 | 54.00 | -2.48 | 44.05 | 6.47 | 34.06 | 33.06 | 199 | 344 Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5240 MHz.

| | | | |
|----------------------|---|-----------------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date | Jul. 28, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 52

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|----------------|---------------|-------|-------|---------|------------|
| | | Line | dB | | | Loss | Antenna Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5136.60 | 52.84 | 54.00 | -1.16 | 46.01 | 6.17 | 33.71 | 33.05 | 180 | 353 | Average | HORIZONTAL |
| 2 | 5136.60 | 63.54 | 74.00 | -10.46 | 56.71 | 6.17 | 33.71 | 33.05 | 180 | 353 | Peak | HORIZONTAL |
| 3 | 5257.60 | 109.85 | | | 102.67 | 6.34 | 33.90 | 33.06 | 180 | 353 | Average | HORIZONTAL |
| 4 | 5257.60 | 118.68 | | | 111.50 | 6.34 | 33.90 | 33.06 | 180 | 353 | Peak | HORIZONTAL |
| 5 | 5376.99 | 51.73 | 54.00 | -2.27 | 44.20 | 6.50 | 34.09 | 33.06 | 180 | 353 | Average | HORIZONTAL |
| 6 | 5377.79 | 63.57 | 74.00 | -10.43 | 56.02 | 6.50 | 34.11 | 33.06 | 180 | 353 | Peak | HORIZONTAL |

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

Channel 60

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|----------------|---------------|-------|-------|---------|------------|
| | | Line | dB | | | Loss | Antenna Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5308.01 | 108.78 | | | 101.46 | 6.40 | 33.98 | 33.06 | 151 | 14 | Average | HORIZONTAL |
| 2 | 5308.01 | 117.13 | | | 109.81 | 6.40 | 33.98 | 33.06 | 151 | 14 | Peak | HORIZONTAL |
| 3 | 5388.14 | 52.98 | 54.00 | -1.02 | 45.43 | 6.50 | 34.11 | 33.06 | 151 | 14 | Average | HORIZONTAL |
| 4 | 5388.14 | 63.88 | 74.00 | -10.12 | 56.33 | 6.50 | 34.11 | 33.06 | 151 | 14 | Peak | HORIZONTAL |

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

Channel 64

| Freq | Level | Limit | | Over Limit | Read Level | Cable | | | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|----------------|---------------|-------|-------|---------|-----------|
| | | Line | dB | | | Loss | Antenna Factor | Preamp Factor | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5321.44 | 112.99 | | | 105.64 | 6.40 | 34.01 | 33.06 | 230 | 344 | Peak | VERTICAL |
| 2 | 5321.92 | 103.22 | | | 95.87 | 6.40 | 34.01 | 33.06 | 230 | 344 | Average | VERTICAL |
| 3 | 5350.00 | 52.75 | 54.00 | -1.25 | 45.28 | 6.47 | 34.06 | 33.06 | 230 | 344 | Average | VERTICAL |
| 4 | 5352.21 | 67.21 | 74.00 | -6.79 | 59.74 | 6.47 | 34.06 | 33.06 | 230 | 344 | Peak | VERTICAL |

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

| | | | |
|----------------------|---|-----------------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date | Jul. 28, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 100

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5420.67 | 50.80 | 54.00 | -3.20 | 43.16 | 6.53 | 34.17 | 33.06 | 119 | 355 | Average | HORIZONTAL |
| 2 | 5459.14 | 63.22 | 74.00 | -10.78 | 55.46 | 6.60 | 34.22 | 33.06 | 119 | 355 | Peak | HORIZONTAL |
| 3 | 5467.79 | 71.47 | 74.00 | -2.53 | 63.68 | 6.60 | 34.25 | 33.06 | 119 | 355 | Peak | HORIZONTAL |
| 4 | 5470.00 | 52.71 | 54.00 | -1.29 | 44.92 | 6.60 | 34.25 | 33.06 | 119 | 355 | Average | HORIZONTAL |
| 5 | 5498.08 | 115.98 | | | 108.11 | 6.63 | 34.30 | 33.06 | 119 | 355 | Peak | HORIZONTAL |
| 6 | 5498.56 | 106.24 | | | 98.37 | 6.63 | 34.30 | 33.06 | 119 | 355 | Average | HORIZONTAL |

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

Channel 116

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5121.67 | 52.77 | 54.00 | -1.23 | 45.96 | 6.17 | 33.69 | 33.05 | 148 | 343 | Average | HORIZONTAL |
| 2 | 5123.27 | 62.63 | 74.00 | -11.37 | 55.80 | 6.17 | 33.71 | 33.05 | 148 | 343 | Peak | HORIZONTAL |
| 3 | 5427.76 | 62.73 | 74.00 | -11.27 | 55.06 | 6.56 | 34.17 | 33.06 | 148 | 343 | Peak | HORIZONTAL |
| 4 | 5427.95 | 52.46 | 54.00 | -1.54 | 44.79 | 6.56 | 34.17 | 33.06 | 148 | 343 | Average | HORIZONTAL |
| 5 | 5468.40 | 51.80 | 54.00 | -2.20 | 44.01 | 6.60 | 34.25 | 33.06 | 148 | 343 | Average | HORIZONTAL |
| 6 | 5468.40 | 62.56 | 74.00 | -11.44 | 54.77 | 6.60 | 34.25 | 33.06 | 148 | 343 | Peak | HORIZONTAL |
| 7 | 5584.81 | 120.73 | | | 112.75 | 6.72 | 34.35 | 33.09 | 148 | 343 | Peak | HORIZONTAL |
| 8 | 5588.01 | 111.47 | | | 103.49 | 6.72 | 34.35 | 33.09 | 148 | 343 | Average | HORIZONTAL |
| 9 | 5748.27 | 51.19 | 54.00 | -2.81 | 43.03 | 6.86 | 34.44 | 33.14 | 148 | 343 | Average | HORIZONTAL |
| 10 | 5748.27 | 62.98 | 74.00 | -11.02 | 54.82 | 6.86 | 34.44 | 33.14 | 148 | 343 | Peak | HORIZONTAL |

Item 7, 8 are the fundamental frequency at 5580 MHz.

Channel 140

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5691.35 | 105.92 | | | 97.82 | 6.81 | 34.41 | 33.12 | 212 | 354 | Average | HORIZONTAL |
| 2 | 5692.31 | 115.46 | | | 107.36 | 6.81 | 34.41 | 33.12 | 212 | 354 | Peak | HORIZONTAL |
| 3 | 5725.48 | 72.91 | 74.00 | -1.09 | 64.78 | 6.83 | 34.43 | 33.13 | 212 | 354 | Peak | HORIZONTAL |
| 4 | 5771.64 | 52.48 | 54.00 | -1.52 | 44.28 | 6.88 | 34.47 | 33.15 | 212 | 354 | Average | HORIZONTAL |

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 149

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5710.39 | 67.14 | 68.20 | -1.06 | 59.02 | 6.83 | 34.42 | 33.13 | 171 | 335 | Peak | HORIZONTAL |
| 2 | 5722.40 | 73.36 | 78.20 | -4.84 | 65.23 | 6.83 | 34.43 | 33.13 | 171 | 335 | Peak | HORIZONTAL |
| 3 | 5751.73 | 115.25 | | | 107.07 | 6.86 | 34.46 | 33.14 | 171 | 335 | Peak | HORIZONTAL |
| 4 | 5753.17 | 105.12 | | | 96.94 | 6.86 | 34.46 | 33.14 | 171 | 335 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5713.37 | 66.86 | 68.20 | -1.34 | 58.74 | 6.83 | 34.42 | 33.13 | 200 | 7 | Peak | HORIZONTAL |
| 2 | 5724.04 | 62.48 | 78.20 | -15.72 | 54.35 | 6.83 | 34.43 | 33.13 | 200 | 7 | Peak | HORIZONTAL |
| 3 | 5793.17 | 110.50 | | | 102.28 | 6.90 | 34.48 | 33.16 | 200 | 7 | Average | HORIZONTAL |
| 4 | 5793.17 | 119.85 | | | 111.63 | 6.90 | 34.48 | 33.16 | 200 | 7 | Peak | HORIZONTAL |
| 5 | 5852.40 | 65.34 | 78.20 | -12.86 | 57.05 | 6.95 | 34.51 | 33.17 | 200 | 7 | Peak | HORIZONTAL |
| 6 | 5872.98 | 67.14 | 68.20 | -1.06 | 58.82 | 6.97 | 34.53 | 33.18 | 200 | 7 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|-----------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5832.05 | 101.76 | | | 93.50 | 6.92 | 34.50 | 33.16 | 202 | 6 | Average | VERTICAL |
| 2 | 5832.05 | 111.80 | | | 103.54 | 6.92 | 34.50 | 33.16 | 202 | 6 | Peak | VERTICAL |
| 3 | 5851.28 | 76.84 | 78.20 | -1.36 | 68.55 | 6.95 | 34.51 | 33.17 | 202 | 6 | Peak | VERTICAL |
| 4 | 5863.14 | 71.53 | 74.00 | -2.47 | 63.22 | 6.97 | 34.52 | 33.18 | 202 | 6 | Peak | VERTICAL |
| 5 | 5902.56 | 51.17 | 54.00 | -2.83 | 42.83 | 6.99 | 34.54 | 33.19 | 202 | 6 | Average | VERTICAL |

Item 1, 2 are the fundamental frequency at 5825 MHz.



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 38

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5143.37 | 49.19 | 54.00 | -4.81 | 42.33 | 6.17 | 33.74 | 33.05 | 215 | 335 | Average | HORIZONTAL |
| 2 | 5149.14 | 72.96 | 74.00 | -1.04 | 66.06 | 6.21 | 33.74 | 33.05 | 215 | 335 | Peak | HORIZONTAL |
| 3 | 5205.39 | 111.78 | | | 104.74 | 6.27 | 33.82 | 33.05 | 215 | 335 | Peak | HORIZONTAL |
| 4 | 5207.31 | 101.38 | | | 94.34 | 6.27 | 33.82 | 33.05 | 215 | 335 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | dB | dBuV | dB | dB/m | dB | cm | |
| 1 | 5147.31 | 66.91 | 74.00 | -7.09 | 60.01 | 6.21 | 33.74 | 33.05 | 185 | 311 | Peak | HORIZONTAL |
| 2 | 5148.75 | 52.76 | 54.00 | -1.24 | 45.86 | 6.21 | 33.74 | 33.05 | 185 | 311 | Average | HORIZONTAL |
| 3 | 5212.69 | 105.99 | | | 98.92 | 6.27 | 33.85 | 33.05 | 185 | 311 | Average | HORIZONTAL |
| 4 | 5212.69 | 114.77 | | | 107.70 | 6.27 | 33.85 | 33.05 | 185 | 311 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5230 MHz.



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 |
| Test Date | Jul. 29, 2015 ~ Aug. 03, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 54

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5137.79 | 52.65 | 54.00 | -1.35 | 45.82 | 6.17 | 33.71 | 33.05 | 140 | 351 | Average | HORIZONTAL |
| 2 | 5137.79 | 63.84 | 74.00 | -10.16 | 57.01 | 6.17 | 33.71 | 33.05 | 140 | 351 | Peak | HORIZONTAL |
| 3 | 5257.98 | 109.50 | | | 102.32 | 6.34 | 33.90 | 33.06 | 140 | 351 | Average | HORIZONTAL |
| 4 | 5257.98 | 118.54 | | | 111.36 | 6.34 | 33.90 | 33.06 | 140 | 351 | Peak | HORIZONTAL |
| 5 | 5356.54 | 67.29 | 74.00 | -6.71 | 59.82 | 6.47 | 34.06 | 33.06 | 140 | 351 | Peak | HORIZONTAL |
| 6 | 5376.73 | 51.82 | 54.00 | -2.18 | 44.29 | 6.50 | 34.09 | 33.06 | 140 | 351 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5270 MHz.

Channel 62

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5294.62 | 102.46 | | | 95.17 | 6.37 | 33.98 | 33.06 | 149 | 357 | Average | HORIZONTAL |
| 2 | 5299.10 | 111.28 | | | 103.96 | 6.40 | 33.98 | 33.06 | 149 | 357 | Peak | HORIZONTAL |
| 3 | 5350.00 | 52.61 | 54.00 | -1.39 | 45.14 | 6.47 | 34.06 | 33.06 | 149 | 357 | Average | HORIZONTAL |
| 4 | 5356.80 | 68.56 | 74.00 | -5.44 | 61.09 | 6.47 | 34.06 | 33.06 | 149 | 357 | Peak | HORIZONTAL |

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



| | | | |
|---------------|---|----------------|---|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date | Jul. 29, 2015 ~ Aug. 03, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 102

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBm | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5447.18 | 50.52 | 54.00 | -3.48 | 42.80 | 6.56 | 34.22 | 33.06 | 129 | 354 | Average | HORIZONTAL |
| 2 | 5457.44 | 63.05 | 74.00 | -10.95 | 55.29 | 6.60 | 34.22 | 33.06 | 129 | 354 | Peak | HORIZONTAL |
| 3 | 5463.85 | 66.45 | 68.20 | -1.75 | 58.66 | 6.60 | 34.25 | 33.06 | 129 | 354 | Peak | HORIZONTAL |
| 4 | 5522.18 | 105.77 | | | 97.88 | 6.65 | 34.31 | 33.07 | 129 | 354 | Average | HORIZONTAL |
| 5 | 5524.10 | 114.31 | | | 106.42 | 6.65 | 34.31 | 33.07 | 129 | 354 | Peak | HORIZONTAL |

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

Channel 110

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBm | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5452.40 | 52.83 | 54.00 | -1.17 | 45.07 | 6.60 | 34.22 | 33.06 | 207 | 350 | Average | HORIZONTAL |
| 2 | 5455.77 | 66.84 | 74.00 | -7.16 | 59.08 | 6.60 | 34.22 | 33.06 | 207 | 350 | Peak | HORIZONTAL |
| 3 | 5465.19 | 51.48 | 54.00 | -2.52 | 43.69 | 6.60 | 34.25 | 33.06 | 207 | 350 | Average | HORIZONTAL |
| 4 | 5468.27 | 67.73 | 74.00 | -6.27 | 59.94 | 6.60 | 34.25 | 33.06 | 207 | 350 | Peak | HORIZONTAL |
| 5 | 5532.69 | 104.83 | | | 96.91 | 6.68 | 34.32 | 33.08 | 207 | 350 | Average | HORIZONTAL |
| 6 | 5532.69 | 114.21 | | | 106.29 | 6.68 | 34.32 | 33.08 | 207 | 350 | Peak | HORIZONTAL |

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

Channel 134

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBm | | | Loss | Factor | Factor | cm | deg | | |
| 1 | 5656.54 | 106.04 | | | 97.98 | 6.79 | 34.39 | 33.12 | 135 | 329 | Average | HORIZONTAL |
| 2 | 5657.02 | 116.96 | | | 108.90 | 6.79 | 34.39 | 33.12 | 135 | 329 | Peak | HORIZONTAL |
| 3 | 5731.54 | 67.07 | 68.20 | -1.13 | 58.92 | 6.86 | 34.43 | 33.14 | 135 | 329 | Peak | HORIZONTAL |

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



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 151

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5714.30 | 52.61 | 54.00 | -1.39 | 44.49 | 6.83 | 34.42 | 33.13 | 150 | 351 | Average | HORIZONTAL |
| 2 | 5714.30 | 71.73 | 74.00 | -2.27 | 63.61 | 6.83 | 34.42 | 33.13 | 150 | 351 | Peak | HORIZONTAL |
| 3 | 5721.67 | 75.00 | 78.20 | -3.20 | 66.87 | 6.83 | 34.43 | 33.13 | 150 | 351 | Peak | HORIZONTAL |
| 4 | 5767.18 | 110.04 | | | 101.85 | 6.88 | 34.46 | 33.15 | 150 | 351 | Peak | HORIZONTAL |
| 5 | 5772.95 | 100.95 | | | 92.75 | 6.88 | 34.47 | 33.15 | 150 | 351 | Average | HORIZONTAL |

Item 4, 5 are the fundamental frequency at 5755 MHz.

Channel 159

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|--------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dBuV/m | | | Loss | Factor | Factor | cm | deg | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5697.24 | 52.97 | 54.00 | -1.03 | 44.87 | 6.81 | 34.41 | 33.12 | 124 | 357 | Average | HORIZONTAL |
| 2 | 5697.24 | 63.73 | 74.00 | -10.27 | 55.63 | 6.81 | 34.41 | 33.12 | 124 | 357 | Peak | HORIZONTAL |
| 3 | 5720.00 | 64.85 | 78.20 | -13.35 | 56.72 | 6.83 | 34.43 | 33.13 | 124 | 357 | Peak | HORIZONTAL |
| 4 | 5777.69 | 104.34 | | | 96.14 | 6.88 | 34.47 | 33.15 | 124 | 357 | Average | HORIZONTAL |
| 5 | 5782.50 | 113.18 | | | 104.97 | 6.90 | 34.47 | 33.16 | 124 | 357 | Peak | HORIZONTAL |
| 6 | 5852.05 | 72.70 | 78.20 | -5.50 | 64.41 | 6.95 | 34.51 | 33.17 | 124 | 357 | Peak | HORIZONTAL |
| 7 | 5860.00 | 52.46 | 54.00 | -1.54 | 44.15 | 6.97 | 34.52 | 33.18 | 124 | 357 | Average | HORIZONTAL |
| 8 | 5865.19 | 66.20 | 74.00 | -7.80 | 57.89 | 6.97 | 34.52 | 33.18 | 124 | 357 | Peak | HORIZONTAL |

Item 4, 5 are the fundamental frequency at 5795 MHz.



| | | | |
|---------------|---|----------------|--|
| Temperature | 23°C | Humidity | 61% |
| Test Engineer | Paul Chen | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2 |
| Test Date | Jul. 29, 2015 | | |
| Test Mode | Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) | | |

Channel 42

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5149.10 | 72.61 | 74.00 | -1.39 | 65.71 | 6.21 | 33.74 | 33.05 | 180 | 339 | Peak | HORIZONTAL |
| 2 | 5150.00 | 52.99 | 54.00 | -1.01 | 46.09 | 6.21 | 33.74 | 33.05 | 180 | 339 | Average | HORIZONTAL |
| 3 | 5202.79 | 99.92 | | | 92.88 | 6.27 | 33.82 | 33.05 | 180 | 339 | Average | HORIZONTAL |
| 4 | 5203.59 | 108.98 | | | 101.94 | 6.27 | 33.82 | 33.05 | 180 | 339 | Peak | HORIZONTAL |
| 5 | 5350.80 | 60.50 | 74.00 | -13.50 | 53.03 | 6.47 | 34.06 | 33.06 | 180 | 339 | Peak | HORIZONTAL |
| 6 | 5363.85 | 47.14 | 54.00 | -6.86 | 39.64 | 6.47 | 34.09 | 33.06 | 180 | 339 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 58

| Freq | Level | Limit | | Over Limit | Read Level | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|------|---------|--------|-------|------------|------------|-------|---------|--------|-------|-------|---------|------------|
| | | Line | dB | | | dBuV | dB | dB/m | dB | cm | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | | |
| 1 | 5057.63 | 58.45 | 74.00 | -15.55 | 51.81 | 6.08 | 33.61 | 33.05 | 141 | 351 | Peak | HORIZONTAL |
| 2 | 5133.75 | 47.26 | 54.00 | -6.74 | 40.43 | 6.17 | 33.71 | 33.05 | 141 | 351 | Average | HORIZONTAL |
| 3 | 5287.60 | 99.97 | | | 92.71 | 6.37 | 33.95 | 33.06 | 141 | 351 | Average | HORIZONTAL |
| 4 | 5293.21 | 109.59 | | | 102.30 | 6.37 | 33.98 | 33.06 | 141 | 351 | Peak | HORIZONTAL |
| 5 | 5351.70 | 52.59 | 54.00 | -1.41 | 45.12 | 6.47 | 34.06 | 33.06 | 141 | 351 | Average | HORIZONTAL |
| 6 | 5354.10 | 68.20 | 74.00 | -5.80 | 60.73 | 6.47 | 34.06 | 33.06 | 141 | 351 | Peak | HORIZONTAL |

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