

|               |                                               |                |                                                      |
|---------------|-----------------------------------------------|----------------|------------------------------------------------------|
| Temperature   | 23°C                                          | Humidity       | 61%                                                  |
| Test Engineer | Paul Chen                                     | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 42, 58 / Chain 2 |
| Test Date     | Jul. 15, 2015                                 |                |                                                      |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX) |                |                                                      |

#### Channel 42

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5145.90 | 52.95  | 54.00  | -1.05  | 49.89  | 4.26         | 33.27  | 34.47 | 345   | 151 Average | VERTICAL  |
| 2 | 5148.30 | 69.51  | 74.00  | -4.49  | 66.45  | 4.26         | 33.27  | 34.47 | 345   | 151 Peak    | VERTICAL  |
| 3 | 5222.02 | 96.38  |        |        | 93.17  | 4.29         | 33.39  | 34.47 | 345   | 151 Average | VERTICAL  |
| 4 | 5222.82 | 105.89 |        |        | 102.68 | 4.29         | 33.39  | 34.47 | 345   | 151 Peak    | VERTICAL  |
| 5 | 5363.05 | 57.61  | 74.00  | -16.39 | 54.06  | 4.36         | 33.66  | 34.47 | 345   | 151 Peak    | VERTICAL  |
| 6 | 5364.65 | 46.58  | 54.00  | -7.42  | 43.03  | 4.36         | 33.66  | 34.47 | 345   | 151 Average | VERTICAL  |

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

#### Channel 58

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5123.33 | 58.30  | 74.00  | -15.70 | 55.28  | 4.25         | 33.24  | 34.47 | 47    | 162 Peak    | VERTICAL  |
| 2 | 5150.00 | 45.73  | 54.00  | -8.27  | 42.67  | 4.26         | 33.27  | 34.47 | 47    | 162 Average | VERTICAL  |
| 3 | 5301.22 | 96.19  |        |        | 92.79  | 4.33         | 33.54  | 34.47 | 47    | 162 Average | VERTICAL  |
| 4 | 5304.42 | 106.57 |        |        | 103.17 | 4.33         | 33.54  | 34.47 | 47    | 162 Peak    | VERTICAL  |
| 5 | 5350.00 | 52.85  | 54.00  | -1.15  | 49.34  | 4.35         | 33.63  | 34.47 | 47    | 162 Average | VERTICAL  |
| 6 | 5351.70 | 69.13  | 74.00  | -4.87  | 65.62  | 4.35         | 33.63  | 34.47 | 47    | 162 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<br>CH 106, 122, 155 / Chain 2 |
| Test Date     | Jul. 15, 2015                                 |                |                                                             |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX) |                |                                                             |

### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5431.44 | 69.90  | 74.00  | -4.10  | 66.20  | 4.39         | 33.78  | 34.47 | 45    | 176 Peak    | VERTICAL  |
| 2 | 5445.06 | 51.63  | 54.00  | -2.37  | 47.93  | 4.39         | 33.78  | 34.47 | 45    | 176 Average | VERTICAL  |
| 3 | 5469.10 | 52.68  | 54.00  | -1.32  | 48.90  | 4.41         | 33.84  | 34.47 | 45    | 176 Average | VERTICAL  |
| 4 | 5470.00 | 70.37  | 74.00  | -3.63  | 66.59  | 4.41         | 33.84  | 34.47 | 45    | 176 Peak    | VERTICAL  |
| 5 | 5541.22 | 107.87 |        |        | 103.92 | 4.43         | 34.00  | 34.48 | 45    | 176 Peak    | VERTICAL  |
| 6 | 5541.22 | 98.10  |        |        | 94.15  | 4.43         | 34.00  | 34.48 | 45    | 176 Average | VERTICAL  |
| 7 | 5727.12 | 47.38  | 54.00  | -6.62  | 42.82  | 4.50         | 34.57  | 34.51 | 45    | 176 Average | VERTICAL  |
| 8 | 5734.33 | 59.62  | 74.00  | -14.38 | 55.07  | 4.50         | 34.57  | 34.52 | 45    | 176 Peak    | VERTICAL  |

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

### Channel 122

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5456.96 | 62.89  | 74.00  | -11.11 | 59.15  | 4.40         | 33.81  | 34.47 | 43    | 170 Peak    | VERTICAL  |
| 2 | 5458.56 | 49.00  | 54.00  | -5.00  | 45.26  | 4.40         | 33.81  | 34.47 | 43    | 170 Average | VERTICAL  |
| 3 | 5467.60 | 66.25  | 74.00  | -7.75  | 62.47  | 4.41         | 33.84  | 34.47 | 43    | 170 Peak    | VERTICAL  |
| 4 | 5470.00 | 49.68  | 54.00  | -4.32  | 45.90  | 4.41         | 33.84  | 34.47 | 43    | 170 Average | VERTICAL  |
| 5 | 5583.56 | 98.88  |        |        | 94.76  | 4.45         | 34.16  | 34.49 | 43    | 170 Average | VERTICAL  |
| 6 | 5589.17 | 108.97 |        |        | 104.85 | 4.45         | 34.16  | 34.49 | 43    | 170 Peak    | VERTICAL  |
| 7 | 5725.00 | 69.72  | 74.00  | -4.28  | 65.16  | 4.50         | 34.57  | 34.51 | 43    | 170 Peak    | VERTICAL  |
| 8 | 5725.00 | 52.95  | 54.00  | -1.05  | 48.39  | 4.50         | 34.57  | 34.51 | 43    | 170 Average | VERTICAL  |

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

### Channel 155

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5706.09 | 66.37  | 68.20  | -1.83 | 61.87  | 4.49         | 34.52  | 34.51 | 305   | 175 Peak    | VERTICAL  |
| 2 | 5723.72 | 72.76  | 78.20  | -5.44 | 68.20  | 4.50         | 34.57  | 34.51 | 305   | 175 Peak    | VERTICAL  |
| 3 | 5786.22 | 96.58  |        |       | 91.81  | 4.52         | 34.78  | 34.53 | 305   | 175 Average | VERTICAL  |
| 4 | 5787.82 | 107.18 |        |       | 102.41 | 4.52         | 34.78  | 34.53 | 305   | 175 Peak    | VERTICAL  |
| 5 | 5850.00 | 68.88  | 78.20  | -9.32 | 63.95  | 4.54         | 34.93  | 34.54 | 305   | 175 Peak    | VERTICAL  |
| 6 | 5860.00 | 66.82  | 68.20  | -1.38 | 61.82  | 4.55         | 34.99  | 34.54 | 305   | 175 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<br>CH 144 / Chain 2 |
| Test Date     | Jul. 15, 2015                                 |                |                                                   |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX) |                |                                                   |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5715.51 | 120.93 |        |       | 116.43 | 4.49  | 34.52   | 34.51  | 45    | 151   | Peak    | VERTICAL  |
| 2 | 5721.28 | 109.54 |        |       | 104.98 | 4.50  | 34.57   | 34.51  | 45    | 151   | Average | VERTICAL  |
| 3 | 5852.05 | 64.20  | 68.20  | -4.00 | 59.27  | 4.54  | 34.93   | 34.54  | 45    | 151   | 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<br>CH 142 / Chain 2 |
| Test Date     | Jul. 15, 2015                                 |                |                                                   |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX) |                |                                                   |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5692.69 | 105.79 |        |       | 101.34 | 4.49  | 34.47   | 34.51  | 44    | 156   | Average | VERTICAL  |
| 2 | 5703.59 | 115.51 |        |       | 111.01 | 4.49  | 34.52   | 34.51  | 44    | 156   | Peak    | VERTICAL  |
| 3 | 5854.23 | 66.93  | 68.20  | -1.27 | 61.93  | 4.55  | 34.99   | 34.54  | 44    | 156   | 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<br>CH 138 / Chain 2 |
| Test Date     | Jul. 15, 2015                                 |                |                                                   |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX) |                |                                                   |

### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5677.18 | 102.28 |        |       | 97.89  | 4.48  | 34.42   | 34.51  | 44    | 156   | Average | VERTICAL  |
| 2 | 5681.99 | 112.71 |        |       | 108.32 | 4.48  | 34.42   | 34.51  | 44    | 156   | Peak    | VERTICAL  |
| 3 | 5854.26 | 66.92  | 68.20  | -1.28 | 61.92  | 4.55  | 34.99   | 34.54  | 44    | 156   | 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<br>CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                                    |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                    |

#### Channel 36

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5149.71 | 70.79  | 74.00  | -3.21 | 67.73  | 4.26         | 33.27  | 34.47 | 315   | 136 Peak    | VERTICAL  |
| 2 | 5150.00 | 52.62  | 54.00  | -1.38 | 49.56  | 4.26         | 33.27  | 34.47 | 315   | 136 Average | VERTICAL  |
| 3 | 5182.56 | 113.72 |        |       | 110.59 | 4.27         | 33.33  | 34.47 | 315   | 136 Peak    | VERTICAL  |
| 4 | 5182.56 | 102.60 |        |       | 99.47  | 4.27         | 33.33  | 34.47 | 315   | 136 Average | VERTICAL  |

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

#### Channel 40

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5148.40 | 69.63  | 74.00  | -4.37 | 66.57  | 4.26         | 33.27  | 34.47 | 314   | 145 Peak    | VERTICAL  |
| 2 | 5150.00 | 52.88  | 54.00  | -1.12 | 49.82  | 4.26         | 33.27  | 34.47 | 314   | 145 Average | VERTICAL  |
| 3 | 5205.13 | 118.99 |        |       | 115.82 | 4.28         | 33.36  | 34.47 | 314   | 145 Peak    | VERTICAL  |
| 4 | 5205.13 | 107.85 |        |       | 104.68 | 4.28         | 33.36  | 34.47 | 314   | 145 Average | VERTICAL  |

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

#### Channel 48

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5114.52 | 60.48  | 74.00  | -13.52 | 57.50  | 4.24         | 33.21  | 34.47 | 316   | 145 Peak    | VERTICAL  |
| 2 | 5117.40 | 49.92  | 54.00  | -4.08  | 46.94  | 4.24         | 33.21  | 34.47 | 316   | 145 Average | VERTICAL  |
| 3 | 5242.40 | 117.38 |        |        | 114.10 | 4.30         | 33.45  | 34.47 | 316   | 145 Peak    | VERTICAL  |
| 4 | 5242.40 | 107.89 |        |        | 104.61 | 4.30         | 33.45  | 34.47 | 316   | 145 Average | VERTICAL  |
| 5 | 5357.79 | 51.30  | 54.00  | -2.70  | 47.79  | 4.35         | 33.63  | 34.47 | 316   | 145 Average | VERTICAL  |
| 6 | 5364.52 | 62.98  | 74.00  | -11.02 | 59.43  | 4.36         | 33.66  | 34.47 | 316   | 145 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<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                                    |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                    |

#### Channel 52

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | CableAntenna Loss Factor | Preamp Factor | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|------------|------------|------------|--------------------------|---------------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB                       | dB/m          | dB    | deg   | cm          |           |
| 1 | 5132.12 | 62.59  | 74.00      | -11.41     | 59.57      | 4.25                     | 33.24         | 34.47 | 314   | 162 Peak    | VERTICAL  |
| 2 | 5137.40 | 50.45  | 54.00      | -3.55      | 47.43      | 4.25                     | 33.24         | 34.47 | 314   | 162 Average | VERTICAL  |
| 3 | 5257.60 | 109.38 |            |            | 106.10     | 4.30                     | 33.45         | 34.47 | 314   | 162 Average | VERTICAL  |
| 4 | 5262.89 | 120.02 |            |            | 116.70     | 4.31                     | 33.48         | 34.47 | 314   | 162 Peak    | VERTICAL  |
| 5 | 5377.79 | 65.43  | 74.00      | -8.57      | 61.84      | 4.37                     | 33.69         | 34.47 | 314   | 162 Peak    | VERTICAL  |
| 6 | 5382.60 | 52.74  | 54.00      | -1.26      | 49.15      | 4.37                     | 33.69         | 34.47 | 314   | 162 Average | VERTICAL  |

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

#### Channel 60

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | CableAntenna Loss Factor | Preamp Factor | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|------------|------------|------------|--------------------------|---------------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB                       | dB/m          | dB    | deg   | cm          |           |
| 1 | 5297.76 | 107.66 |            |            | 104.26     | 4.33                     | 33.54         | 34.47 | 314   | 148 Average | VERTICAL  |
| 2 | 5302.56 | 119.02 |            |            | 115.62     | 4.33                     | 33.54         | 34.47 | 314   | 148 Peak    | VERTICAL  |
| 3 | 5351.60 | 66.92  | 74.00      | -7.08      | 63.41      | 4.35                     | 33.63         | 34.47 | 314   | 148 Peak    | VERTICAL  |
| 4 | 5377.56 | 52.98  | 54.00      | -1.02      | 49.39      | 4.37                     | 33.69         | 34.47 | 314   | 148 Average | VERTICAL  |

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

#### Channel 64

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | CableAntenna Loss Factor | Preamp Factor | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|------------|------------|------------|--------------------------|---------------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB                       | dB/m          | dB    | deg   | cm          |           |
| 1 | 5317.76 | 104.53 |            |            | 101.10     | 4.33                     | 33.57         | 34.47 | 306   | 168 Average | VERTICAL  |
| 2 | 5318.08 | 115.62 |            |            | 112.19     | 4.33                     | 33.57         | 34.47 | 306   | 168 Peak    | VERTICAL  |
| 3 | 5350.00 | 52.46  | 54.00      | -1.54      | 48.95      | 4.35                     | 33.63         | 34.47 | 306   | 168 Average | VERTICAL  |
| 4 | 5350.45 | 67.74  | 74.00      | -6.26      | 64.23      | 4.35                     | 33.63         | 34.47 | 306   | 168 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<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

#### Channel 100

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB         | dB/m           | dB            | deg   | cm    |         |           |
| 1 | 5459.78 | 68.38  | 74.00      | -5.62      | 64.64      | 4.40       | 33.81          | 34.47         | 303   | 153   | Peak    | VERTICAL  |
| 2 | 5460.00 | 48.32  | 54.00      | -5.68      | 44.58      | 4.40       | 33.81          | 34.47         | 303   | 153   | Average | VERTICAL  |
| 3 | 5468.27 | 52.82  | 54.00      | -1.18      | 49.04      | 4.41       | 33.84          | 34.47         | 303   | 153   | Average | VERTICAL  |
| 4 | 5470.00 | 71.24  | 74.00      | -2.76      | 67.46      | 4.41       | 33.84          | 34.47         | 303   | 153   | Peak    | VERTICAL  |
| 5 | 5497.76 | 116.67 |            |            | 112.82     | 4.42       | 33.90          | 34.47         | 303   | 153   | Peak    | VERTICAL  |
| 6 | 5500.80 | 105.79 |            |            | 101.95     | 4.42       | 33.90          | 34.48         | 303   | 153   | Average | VERTICAL  |

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

#### Channel 116

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB         | dB/m           | dB            | deg   | cm    |         |           |
| 1 | 5458.21 | 65.02  | 74.00      | -8.98      | 61.28      | 4.40       | 33.81          | 34.47         | 308   | 148   | Peak    | VERTICAL  |
| 2 | 5460.00 | 52.36  | 54.00      | -1.64      | 48.62      | 4.40       | 33.81          | 34.47         | 308   | 148   | Average | VERTICAL  |
| 3 | 5463.33 | 52.44  | 54.00      | -1.56      | 48.66      | 4.41       | 33.84          | 34.47         | 308   | 148   | Average | VERTICAL  |
| 4 | 5468.08 | 66.25  | 74.00      | -7.75      | 62.47      | 4.41       | 33.84          | 34.47         | 308   | 148   | Peak    | VERTICAL  |
| 5 | 5578.08 | 122.01 |            |            | 117.95     | 4.44       | 34.11          | 34.49         | 308   | 148   | Peak    | VERTICAL  |
| 6 | 5578.08 | 112.35 |            |            | 108.29     | 4.44       | 34.11          | 34.49         | 308   | 148   | Average | VERTICAL  |
| 7 | 5737.69 | 64.76  | 74.00      | -9.24      | 60.16      | 4.50       | 34.62          | 34.52         | 308   | 148   | Peak    | VERTICAL  |
| 8 | 5738.33 | 52.82  | 54.00      | -1.18      | 48.22      | 4.50       | 34.62          | 34.52         | 308   | 148   | Average | VERTICAL  |

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

#### Channel 140

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB         | dB/m           | dB            | deg   | cm    |         |           |
| 1 | 5696.80 | 114.54 |            |            | 110.09     | 4.49       | 34.47          | 34.51         | 40    | 149   | Peak    | VERTICAL  |
| 2 | 5699.36 | 103.10 |            |            | 98.65      | 4.49       | 34.47          | 34.51         | 40    | 149   | Average | VERTICAL  |
| 3 | 5725.00 | 52.72  | 54.00      | -1.28      | 48.16      | 4.50       | 34.57          | 34.51         | 40    | 149   | Average | VERTICAL  |
| 4 | 5726.60 | 71.13  | 74.00      | -2.87      | 66.57      | 4.50       | 34.57          | 34.51         | 40    | 149   | 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<br>CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

#### Channel 149

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5710.06 | 67.19  | 68.20  | -1.01 | 62.69  | 4.49         | 34.52  | 34.51 | 39    | 151 Peak    | VERTICAL  |
| 2 | 5723.85 | 74.15  | 78.20  | -4.05 | 69.59  | 4.50         | 34.57  | 34.51 | 39    | 151 Peak    | VERTICAL  |
| 3 | 5744.36 | 103.78 |        |       | 99.18  | 4.50         | 34.62  | 34.52 | 39    | 151 Average | VERTICAL  |
| 4 | 5746.92 | 113.44 |        |       | 108.84 | 4.50         | 34.62  | 34.52 | 39    | 151 Peak    | VERTICAL  |

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

#### Channel 157

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5696.86 | 66.88  | 68.20  | -1.32  | 62.43  | 4.49         | 34.47  | 34.51 | 38    | 151 Peak    | VERTICAL  |
| 2 | 5721.80 | 68.06  | 78.20  | -10.14 | 63.50  | 4.50         | 34.57  | 34.51 | 38    | 151 Peak    | VERTICAL  |
| 3 | 5786.60 | 106.98 |        |        | 102.21 | 4.52         | 34.78  | 34.53 | 38    | 151 Average | VERTICAL  |
| 4 | 5786.92 | 117.71 |        |        | 112.94 | 4.52         | 34.78  | 34.53 | 38    | 151 Peak    | VERTICAL  |
| 5 | 5850.96 | 65.75  | 78.20  | -12.45 | 60.82  | 4.54         | 34.93  | 34.54 | 38    | 151 Peak    | VERTICAL  |
| 6 | 5869.30 | 65.51  | 68.20  | -2.69  | 60.51  | 4.55         | 34.99  | 34.54 | 38    | 151 Peak    | VERTICAL  |

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

#### Channel 165

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5825.64 | 102.58 |        |       | 97.70  | 4.53         | 34.88  | 34.53 | 307   | 160 Average | VERTICAL  |
| 2 | 5830.45 | 113.25 |        |       | 108.37 | 4.53         | 34.88  | 34.53 | 307   | 160 Peak    | VERTICAL  |
| 3 | 5853.21 | 74.99  | 78.20  | -3.21 | 70.06  | 4.54         | 34.93  | 34.54 | 307   | 160 Peak    | VERTICAL  |
| 4 | 5861.54 | 66.97  | 68.20  | -1.23 | 61.97  | 4.55         | 34.99  | 34.54 | 307   | 160 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<br>CH 38, 46 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                                |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                |

#### Channel 38

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5142.56 | 69.52  | 74.00  | -4.48 | 66.46  | 4.26         | 33.27  | 34.47 | 314   | 152 Peak    | VERTICAL  |
| 2 | 5149.62 | 52.89  | 54.00  | -1.11 | 49.83  | 4.26         | 33.27  | 34.47 | 314   | 152 Average | VERTICAL  |
| 3 | 5194.49 | 110.11 |        |       | 106.94 | 4.28         | 33.36  | 34.47 | 314   | 152 Peak    | VERTICAL  |
| 4 | 5194.81 | 99.50  |        |       | 96.33  | 4.28         | 33.36  | 34.47 | 314   | 152 Average | VERTICAL  |

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

#### Channel 46

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5147.95 | 52.78  | 54.00  | -1.22 | 49.72  | 4.26         | 33.27  | 34.47 | 314   | 164 Average | VERTICAL  |
| 2 | 5149.55 | 67.70  | 74.00  | -6.30 | 64.64  | 4.26         | 33.27  | 34.47 | 314   | 164 Peak    | VERTICAL  |
| 3 | 5234.81 | 115.53 |        |       | 112.28 | 4.30         | 33.42  | 34.47 | 314   | 164 Peak    | VERTICAL  |
| 4 | 5235.13 | 105.64 |        |       | 102.39 | 4.30         | 33.42  | 34.47 | 314   | 164 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<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                                |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                |

#### Channel 54

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5265.19 | 105.64 |        |       | 102.32 | 4.31         | 33.48  | 34.47 | 316   | 161 Average | VERTICAL  |
| 2 | 5274.81 | 115.23 |        |       | 111.91 | 4.31         | 33.48  | 34.47 | 316   | 161 Peak    | VERTICAL  |
| 3 | 5350.00 | 65.50  | 74.00  | -8.50 | 61.99  | 4.35         | 33.63  | 34.47 | 316   | 161 Peak    | VERTICAL  |
| 4 | 5352.69 | 52.60  | 54.00  | -1.40 | 49.09  | 4.35         | 33.63  | 34.47 | 316   | 161 Average | VERTICAL  |

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

#### Channel 62

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5297.50 | 109.87 |        |       | 106.47 | 4.33         | 33.54  | 34.47 | 312   | 149 Peak    | VERTICAL  |
| 2 | 5305.19 | 99.89  |        |       | 96.49  | 4.33         | 33.54  | 34.47 | 312   | 149 Average | VERTICAL  |
| 3 | 5350.00 | 52.70  | 54.00  | -1.30 | 49.19  | 4.35         | 33.63  | 34.47 | 312   | 149 Average | VERTICAL  |
| 4 | 5350.71 | 72.33  | 74.00  | -1.67 | 68.82  | 4.35         | 33.63  | 34.47 | 312   | 149 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<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

#### Channel 102

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | deg   | cm    |             |           |
| 1 | 5453.59 | 67.40  | 74.00  | -6.60 | 63.66  | 4.40         | 33.81  | 34.47 | 310   | 149 Peak    | VERTICAL  |
| 2 | 5460.00 | 49.74  | 54.00  | -4.26 | 46.00  | 4.40         | 33.81  | 34.47 | 310   | 149 Average | VERTICAL  |
| 3 | 5467.37 | 69.35  | 74.00  | -4.65 | 65.57  | 4.41         | 33.84  | 34.47 | 310   | 149 Peak    | VERTICAL  |
| 4 | 5468.33 | 52.74  | 54.00  | -1.26 | 48.96  | 4.41         | 33.84  | 34.47 | 310   | 149 Average | VERTICAL  |
| 5 | 5508.08 | 100.93 |        |       | 97.09  | 4.42         | 33.90  | 34.48 | 310   | 149 Average | VERTICAL  |
| 6 | 5512.89 | 111.14 |        |       | 107.30 | 4.42         | 33.90  | 34.48 | 310   | 149 Peak    | VERTICAL  |

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

#### Channel 110

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | deg   | cm    |             |           |
| 1 | 5441.35 | 64.25  | 74.00  | -9.75 | 60.55  | 4.39         | 33.78  | 34.47 | 46    | 152 Peak    | VERTICAL  |
| 2 | 5458.65 | 50.55  | 54.00  | -3.45 | 46.81  | 4.40         | 33.81  | 34.47 | 46    | 152 Average | VERTICAL  |
| 3 | 5465.39 | 69.15  | 74.00  | -4.85 | 65.37  | 4.41         | 33.84  | 34.47 | 46    | 152 Peak    | VERTICAL  |
| 4 | 5468.75 | 52.91  | 54.00  | -1.09 | 49.13  | 4.41         | 33.84  | 34.47 | 46    | 152 Average | VERTICAL  |
| 5 | 5553.37 | 113.95 |        |       | 109.94 | 4.44         | 34.06  | 34.49 | 46    | 152 Peak    | VERTICAL  |
| 6 | 5553.85 | 104.42 |        |       | 100.41 | 4.44         | 34.06  | 34.49 | 46    | 152 Average | VERTICAL  |

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

#### Channel 134

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | deg   | cm    |             |           |
| 1 | 5664.55 | 112.37 |        |       | 108.04 | 4.47         | 34.37  | 34.51 | 38    | 145 Peak    | VERTICAL  |
| 2 | 5664.55 | 102.47 |        |       | 98.14  | 4.47         | 34.37  | 34.51 | 38    | 145 Average | VERTICAL  |
| 3 | 5725.45 | 70.32  | 74.00  | -3.68 | 65.76  | 4.50         | 34.57  | 34.51 | 38    | 145 Peak    | VERTICAL  |
| 4 | 5732.18 | 52.74  | 54.00  | -1.26 | 48.19  | 4.50         | 34.57  | 34.52 | 38    | 145 Average | 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<br>CH 151, 159 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                                  |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                  |

#### Channel 151

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5712.05 | 66.94  | 68.20  | -1.26 | 62.44  | 4.49         | 34.52  | 34.51 | 38    | 151 Peak    | VERTICAL  |
| 2 | 5725.00 | 70.76  | 78.20  | -7.44 | 66.20  | 4.50         | 34.57  | 34.51 | 38    | 151 Peak    | VERTICAL  |
| 3 | 5759.49 | 109.13 |        |       | 104.47 | 4.51         | 34.68  | 34.53 | 38    | 151 Peak    | VERTICAL  |
| 4 | 5759.81 | 99.92  |        |       | 95.26  | 4.51         | 34.68  | 34.53 | 38    | 151 Average | VERTICAL  |

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

#### Channel 159

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5706.86 | 61.75  | 68.20  | -6.45  | 57.25  | 4.49         | 34.52  | 34.51 | 38    | 143 Average | VERTICAL  |
| 2 | 5725.00 | 62.01  | 78.20  | -16.19 | 57.45  | 4.50         | 34.57  | 34.51 | 38    | 143 Average | VERTICAL  |
| 3 | 5789.23 | 109.09 |        |        | 104.32 | 4.52         | 34.78  | 34.53 | 38    | 143 Average | VERTICAL  |
| 4 | 5811.99 | 99.12  |        |        | 94.29  | 4.53         | 34.83  | 34.53 | 38    | 143 Peak    | VERTICAL  |
| 5 | 5850.00 | 67.88  | 78.20  | -10.32 | 62.95  | 4.54         | 34.93  | 34.54 | 38    | 143 Average | VERTICAL  |
| 6 | 5861.35 | 66.68  | 68.20  | -1.52  | 61.68  | 4.55         | 34.99  | 34.54 | 38    | 143 Average | 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<br>CH 42, 58 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                                |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                |

#### Channel 42

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5142.69 | 52.85  | 54.00  | -1.15  | 49.79  | 4.26         | 33.27  | 34.47 | 312   | 168 Average | VERTICAL  |
| 2 | 5144.30 | 67.10  | 74.00  | -6.90  | 64.04  | 4.26         | 33.27  | 34.47 | 312   | 168 Peak    | VERTICAL  |
| 3 | 5235.64 | 108.42 |        |        | 105.17 | 4.30         | 33.42  | 34.47 | 312   | 168 Peak    | VERTICAL  |
| 4 | 5237.24 | 99.09  |        |        | 95.84  | 4.30         | 33.42  | 34.47 | 312   | 168 Average | VERTICAL  |
| 5 | 5350.00 | 48.05  | 54.00  | -5.95  | 44.54  | 4.35         | 33.63  | 34.47 | 312   | 168 Average | VERTICAL  |
| 6 | 5353.43 | 59.46  | 74.00  | -14.54 | 55.95  | 4.35         | 33.63  | 34.47 | 312   | 168 Peak    | VERTICAL  |

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

#### Channel 58

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | T/Pos | A/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | deg   | cm          |           |
| 1 | 5122.53 | 56.34  | 74.00  | -17.66 | 53.32  | 4.25         | 33.24  | 34.47 | 318   | 152 Peak    | VERTICAL  |
| 2 | 5139.36 | 45.34  | 54.00  | -8.66  | 42.32  | 4.25         | 33.24  | 34.47 | 318   | 152 Average | VERTICAL  |
| 3 | 5297.21 | 106.13 |        |        | 102.73 | 4.33         | 33.54  | 34.47 | 318   | 152 Peak    | VERTICAL  |
| 4 | 5299.62 | 96.20  |        |        | 92.80  | 4.33         | 33.54  | 34.47 | 318   | 152 Average | VERTICAL  |
| 5 | 5350.90 | 66.11  | 74.00  | -7.89  | 62.60  | 4.35         | 33.63  | 34.47 | 318   | 152 Peak    | VERTICAL  |
| 6 | 5352.50 | 52.95  | 54.00  | -1.05  | 49.44  | 4.35         | 33.63  | 34.47 | 318   | 152 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<br>CH 106, 122, 155 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5455.48 | 68.85  | 74.00  | -5.15  | 65.11  | 4.40  | 33.81   | 34.47  | 306   | 146   | Peak    | VERTICAL  |
| 2 | 5460.00 | 52.10  | 54.00  | -1.90  | 48.36  | 4.40  | 33.81   | 34.47  | 306   | 146   | Average | VERTICAL  |
| 3 | 5465.90 | 71.08  | 74.00  | -2.92  | 67.30  | 4.41  | 33.84   | 34.47  | 306   | 146   | Peak    | VERTICAL  |
| 4 | 5468.30 | 52.91  | 54.00  | -1.09  | 49.13  | 4.41  | 33.84   | 34.47  | 306   | 146   | Average | VERTICAL  |
| 5 | 5520.50 | 98.69  |        |        | 94.79  | 4.43  | 33.95   | 34.48  | 306   | 146   | Average | VERTICAL  |
| 6 | 5522.79 | 108.37 |        |        | 104.47 | 4.43  | 33.95   | 34.48  | 306   | 146   | Peak    | VERTICAL  |
| 7 | 5728.21 | 58.35  | 74.00  | -15.65 | 53.79  | 4.50  | 34.57   | 34.51  | 306   | 146   | Peak    | VERTICAL  |
| 8 | 5733.53 | 46.61  | 54.00  | -7.39  | 42.06  | 4.50  | 34.57   | 34.52  | 306   | 146   | Average | VERTICAL  |

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

### Channel 122

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5456.96 | 64.11  | 74.00  | -9.89  | 60.37  | 4.40  | 33.81   | 34.47  | 313   | 152   | Peak    | VERTICAL  |
| 2 | 5460.00 | 49.81  | 54.00  | -4.19  | 46.07  | 4.40  | 33.81   | 34.47  | 313   | 152   | Average | VERTICAL  |
| 3 | 5467.37 | 50.07  | 54.00  | -3.93  | 46.29  | 4.41  | 33.84   | 34.47  | 313   | 152   | Average | VERTICAL  |
| 4 | 5470.00 | 63.69  | 74.00  | -10.31 | 59.91  | 4.41  | 33.84   | 34.47  | 313   | 152   | Peak    | VERTICAL  |
| 5 | 5598.78 | 109.26 |        |        | 105.08 | 4.46  | 34.21   | 34.49  | 313   | 152   | Peak    | VERTICAL  |
| 6 | 5600.39 | 100.18 |        |        | 96.00  | 4.46  | 34.21   | 34.49  | 313   | 152   | Average | VERTICAL  |
| 7 | 5725.00 | 52.78  | 54.00  | -1.22  | 48.22  | 4.50  | 34.57   | 34.51  | 313   | 152   | Average | VERTICAL  |
| 8 | 5730.99 | 67.53  | 74.00  | -6.47  | 62.98  | 4.50  | 34.57   | 34.52  | 313   | 152   | Peak    | VERTICAL  |

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

### Channel 155

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5691.67 | 67.16  | 68.20  | -1.04  | 62.71  | 4.49  | 34.47   | 34.51  | 39    | 147   | Peak    | VERTICAL  |
| 2 | 5722.12 | 67.83  | 78.20  | -10.37 | 63.27  | 4.50  | 34.57   | 34.51  | 39    | 147   | Peak    | VERTICAL  |
| 3 | 5746.96 | 94.94  |        |        | 90.34  | 4.50  | 34.62   | 34.52  | 39    | 147   | Average | VERTICAL  |
| 4 | 5749.36 | 106.01 |        |        | 101.41 | 4.50  | 34.62   | 34.52  | 39    | 147   | Peak    | VERTICAL  |
| 5 | 5851.92 | 64.86  | 78.20  | -13.34 | 59.93  | 4.54  | 34.93   | 34.54  | 39    | 147   | Peak    | VERTICAL  |
| 6 | 5863.94 | 63.88  | 68.20  | -4.32  | 58.88  | 4.55  | 34.99   | 34.54  | 39    | 147   | 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<br>CH 144 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                             |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                             |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5721.92 | 112.69 |        |       | 108.13 | 4.50  | 34.57   | 34.51  | 39    | 158   | Average | VERTICAL  |
| 2 | 5722.56 | 122.61 |        |       | 118.05 | 4.50  | 34.57   | 34.51  | 39    | 158   | Peak    | VERTICAL  |
| 3 | 5882.18 | 65.00  | 68.20  | -3.20 | 59.95  | 4.55  | 35.04   | 34.54  | 39    | 158   | 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<br>CH 142 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                             |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                             |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5704.87 | 107.32 |        |       | 102.82 | 4.49  | 34.52   | 34.51  | 36    | 151   | Average | VERTICAL  |
| 2 | 5715.13 | 116.87 |        |       | 112.37 | 4.49  | 34.52   | 34.51  | 36    | 151   | Peak    | VERTICAL  |
| 3 | 5854.87 | 66.93  | 68.20  | -1.27 | 61.93  | 4.55  | 34.99   | 34.54  | 36    | 151   | 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<br>CH 138 / Chain 1 + Chain 2 |
| Test Date     | Jul. 14, 2015                                 |                |                                                             |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                             |

### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5677.18 | 101.37 |        |       | 96.98  | 4.48  | 34.42   | 34.51  | 38    | 165   | Average | VERTICAL  |
| 2 | 5681.99 | 111.71 |        |       | 107.32 | 4.48  | 34.42   | 34.51  | 38    | 165   | Peak    | VERTICAL  |
| 3 | 5854.26 | 66.76  | 68.20  | -1.44 | 61.76  | 4.55  | 34.99   | 34.54  | 38    | 165   | 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<br>CH 36, 40, 48 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                          |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                          |

#### Channel 36

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | 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  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | 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   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|------------|
|   | 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<br>CH 52, 60, 64 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                          |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                          |

#### Channel 52

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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<br>CH 100, 116, 140 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                             |

#### Channel 100

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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<br>CH 149, 157, 165 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                             |

#### Channel 149

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | 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   | CableAntenna | Preamp | A/Pos | T/Pos | Remark    | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-----------|------------|
|   | 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   | CableAntenna | Preamp | A/Pos | T/Pos | Remark    | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-----------|------------|
|   | 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<br>CH 38, 46 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                      |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                      |

#### Channel 38

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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<br>CH 54, 62 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                      |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                      |

#### Channel 54

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg         |            |
| 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  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg         |            |
| 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<br>CH 102, 110, 134 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                             |

### Channel 102

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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<br>CH 151, 159 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                        |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                        |

#### Channel 151

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | CableAntenna Loss | Preamp Factor | A/Pos | T/Pos | Remark    | Pol/Phase  |
|---|---------|--------|------------|------------|------------|-------------------|---------------|-------|-------|-----------|------------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB                | dB/m          | dB    | cm    | deg       |            |
| 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 Line | Over Limit | Read Level | CableAntenna Loss | Preamp Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|------------|------------|------------|-------------------|---------------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB                | dB/m          | dB    | cm    | deg         |            |
| 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<br>CH 42, 58 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                      |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                      |

#### Channel 42

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | 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   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | 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<br>CH 106, 122, 155 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                             |

### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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<br>CH 144 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                   |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                   |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | 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<br>CH 142 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                   |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                   |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | 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<br>CH 138 / Chain 2 |
| Test Date     | Jul. 27, 2015                                   |                |                                                   |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX) |                |                                                   |

### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | 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<br>CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                                    |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                    |

#### Channel 36

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | 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  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | 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   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|------------|
|   | 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<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                                    |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                    |

### Channel 52

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

#### Channel 100

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | 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  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | 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  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | 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<br>CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

#### Channel 149

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preampl | A/Pos | T/Pos | Remark    | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|---------|-------|-------|-----------|------------|
|   | 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   | CableAntenna | Preampl | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|---------|-------|-------|-------------|------------|
|   | 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   | CableAntenna | Preampl | A/Pos | T/Pos | Remark     | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|---------|-------|-------|------------|------------|
|   | 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<br>CH 38, 46 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                                |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                |

#### Channel 38

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | 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  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | 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<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                                |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                |

#### Channel 54

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | cm    | deg         |            |
| 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  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | cm    | deg         |            |
| 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<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

#### Channel 102

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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<br>CH 151, 159 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                                  |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                  |

#### Channel 151

|   | Freq    | Level  | Limit  | Over  | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|-------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | dB           | dB/m   | dB    | cm    | deg         |            |
| 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   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | cm    | deg         |            |
| 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<br>CH 42, 58 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                                |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                |

#### Channel 42

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | Cable<br>Loss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|---------------|---------------|---------------|---------------|-------------------|------------------|-------|-------|---------|------------|
|   | 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   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | Loss  | Factor  | Factor | 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<br>CH 106, 122, 155 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | 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   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | 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<br>CH 144 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                             |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | 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<br>CH 142 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                             |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | 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<br>CH 138 / Chain 1 + Chain 2 |
| Test Date     | Jul. 26, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                             |

#### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | 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<br>CH 36, 40, 48 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                          |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                          |

#### Channel 36

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | 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   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | 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   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | 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<br>CH 52, 60, 64 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                          |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                          |

### Channel 52

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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<br>CH 100, 116, 140 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                             |

#### Channel 100

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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<br>CH 149, 157, 165 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                             |

#### Channel 149

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB         | dB/m           | dB            | cm    | deg   |         |           |
| 1 | 5714.40 | 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 Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB         | dB/m           | dB            | cm    | deg   |         |           |
| 1 | 5697.02 | 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 Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB         | dB/m           | dB            | cm    | deg   |         |           |
| 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<br>CH 38, 46 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                      |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                      |

#### Channel 38

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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<br>CH 54, 62 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                      |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                      |

#### Channel 54

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg         |           |
| 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  | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | Loss         | Factor | Factor | cm    | deg         |           |
| 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<br>CH 102, 110, 134 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                             |

#### Channel 102

|   | Freq    | Level  | Limit  | Over  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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<br>CH 151, 159 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                        |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                        |

#### Channel 151

|   | Freq    | Level  | Limit  | Over  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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 |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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<br>CH 42, 58 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                      |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                      |

### Channel 42

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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<br>CH 106, 122, 155 / Chain 1 |
| Test Date     | Jul. 29, 2015 ~ Jul. 30, 2015                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                             |

### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 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   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 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   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 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<br>CH 144 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                   |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                   |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preampl | 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<br>CH 142 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                   |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                   |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preampl | 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<br>CH 138 / Chain 1 |
| Test Date     | Jul. 29, 2015                                |                |                                                   |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX) |                |                                                   |

#### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | 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<br>CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date     | Jul. 30, 2015                                |                |                                                                    |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                    |

#### Channel 36

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | 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   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | 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   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | 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<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date     | Jul. 30, 2015                                |                |                                                                    |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                    |

### Channel 52

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date     | Jul. 30, 2015                                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 100

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/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   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/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<br>CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 149

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5712.63 | 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   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 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<br>CH 38, 46 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                                |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                |

#### Channel 38

|   | Freq    | Level  | Limit  | Over  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark    | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|-----------|-----------|
|   | MHz     | dBuV/m | dBuV/m | 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | 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<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                                |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                |

#### Channel 54

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg         |           |
| 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  | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | Loss         | Factor | Factor | cm    | deg         |           |
| 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<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 102

|   | Freq    | Level  | Limit  | Over  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 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 |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 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 |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 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<br>CH 151, 159 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                                  |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                  |

#### Channel 151

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | Cable<br>Loss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|---------------|---------------|---------------|---------------|-------------------|------------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m        | dB            | dBuV          | dB            | dB/m              | dB               | cm    | deg   |         |           |
| 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<br>Line | Over<br>Limit | Read<br>Level | CableLoss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|---------------|---------------|---------------|-----------|-------------------|------------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m        | dB            | dBuV          | dB        | dB/m              | dB               | cm    | deg   |         |           |
| 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<br>CH 42, 58 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                                |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                |

#### Channel 42

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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<br>CH 106, 122, 155 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | 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   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | 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  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | 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<br>CH 144 / Chain 1 + Chain 2 |
| Test Date     | Jul. 30, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                             |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preampl | 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<br>CH 142 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                             |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss  | Factor  | Factor | 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<br>CH 138 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                             |

#### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read   | 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

## &lt;For Beamforming Mode&gt;

|               |                                               |                |                                                                    |
|---------------|-----------------------------------------------|----------------|--------------------------------------------------------------------|
| Temperature   | 23°C                                          | Humidity       | 61%                                                                |
| Test Engineer | Paul Chen                                     | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                                    |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                    |

## Channel 36

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5148.84 | 72.81  | 74.00  | -1.19 | 65.91  | 6.21  | 33.74   | 33.05  | 158   | 28    | Peak    | VERTICAL  |
| 2 | 5150.00 | 51.82  | 54.00  | -2.18 | 44.92  | 6.21  | 33.74   | 33.05  | 158   | 28    | Average | VERTICAL  |
| 3 | 5172.76 | 113.27 |        |       | 106.31 | 6.24  | 33.77   | 33.05  | 158   | 28    | Peak    | VERTICAL  |
| 4 | 5173.05 | 103.74 |        |       | 96.78  | 6.24  | 33.77   | 33.05  | 158   | 28    | Average | 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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5118.16 | 52.47  | 54.00  | -1.53 | 45.69  | 6.14  | 33.69   | 33.05  | 158   | 273   | Average | VERTICAL  |
| 2 | 5143.49 | 65.79  | 74.00  | -8.21 | 58.93  | 6.17  | 33.74   | 33.05  | 158   | 273   | Peak    | VERTICAL  |
| 3 | 5197.83 | 116.02 |        |       | 108.98 | 6.27  | 33.82   | 33.05  | 158   | 273   | Peak    | VERTICAL  |
| 4 | 5198.55 | 106.86 |        |       | 99.82  | 6.27  | 33.82   | 33.05  | 158   | 273   | 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 |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5113.10 | 50.32  | 54.00  | -3.68  | 43.54  | 6.14  | 33.69   | 33.05  | 160   | 312   | Average | VERTICAL  |
| 2 | 5117.00 | 61.78  | 74.00  | -12.22 | 55.00  | 6.14  | 33.69   | 33.05  | 160   | 312   | Peak    | VERTICAL  |
| 3 | 5233.05 | 108.42 |        |        | 101.30 | 6.30  | 33.87   | 33.05  | 160   | 312   | Average | VERTICAL  |
| 4 | 5237.83 | 117.36 |        |        | 110.24 | 6.30  | 33.87   | 33.05  | 160   | 312   | Peak    | VERTICAL  |
| 5 | 5352.50 | 52.54  | 54.00  | -1.46  | 45.07  | 6.47  | 34.06   | 33.06  | 160   | 312   | Average | VERTICAL  |
| 6 | 5358.25 | 64.58  | 74.00  | -9.42  | 57.11  | 6.47  | 34.06   | 33.06  | 160   | 312   | 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<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                                    |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                    |

### Channel 52

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5142.76 | 50.78  | 54.00  | -3.22  | 43.92  | 6.17  | 33.74   | 33.05  | 156   | 31    | Average | VERTICAL  |
| 2 | 5144.21 | 62.03  | 74.00  | -11.97 | 55.13  | 6.21  | 33.74   | 33.05  | 156   | 31    | Peak    | VERTICAL  |
| 3 | 5257.83 | 116.95 |        |        | 109.77 | 6.34  | 33.90   | 33.06  | 156   | 31    | Peak    | VERTICAL  |
| 4 | 5258.55 | 108.09 |        |        | 100.88 | 6.34  | 33.93   | 33.06  | 156   | 31    | Average | VERTICAL  |
| 5 | 5381.50 | 52.51  | 54.00  | -1.49  | 44.96  | 6.50  | 34.11   | 33.06  | 156   | 31    | Average | VERTICAL  |
| 6 | 5384.73 | 64.62  | 74.00  | -9.38  | 57.07  | 6.50  | 34.11   | 33.06  | 156   | 31    | Peak    | VERTICAL  |

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

### Channel 60

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5302.03 | 107.77 |        |       | 100.45 | 6.40  | 33.98   | 33.06  | 171   | 33    | Average | VERTICAL  |
| 2 | 5304.05 | 117.16 |        |       | 109.84 | 6.40  | 33.98   | 33.06  | 171   | 33    | Peak    | VERTICAL  |
| 3 | 5380.97 | 52.81  | 54.00  | -1.19 | 45.26  | 6.50  | 34.11   | 33.06  | 171   | 33    | Average | VERTICAL  |
| 4 | 5380.97 | 64.79  | 74.00  | -9.21 | 57.24  | 6.50  | 34.11   | 33.06  | 171   | 33    | Peak    | VERTICAL  |

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

### Channel 64

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5311.61 | 107.52 |        |       | 100.17 | 6.40  | 34.01   | 33.06  | 159   | 44    | Average | VERTICAL  |
| 2 | 5313.34 | 116.88 |        |       | 109.53 | 6.40  | 34.01   | 33.06  | 159   | 44    | Peak    | VERTICAL  |
| 3 | 5350.00 | 52.82  | 54.00  | -1.18 | 45.35  | 6.47  | 34.06   | 33.06  | 159   | 44    | Average | VERTICAL  |
| 4 | 5355.79 | 69.47  | 74.00  | -4.53 | 62.00  | 6.47  | 34.06   | 33.06  | 159   | 44    | 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<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

#### Channel 100

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5459.13 | 64.71  | 74.00  | -9.29 | 56.95  | 6.60  | 34.22   | 33.06  | 164   | 41    | Peak    | VERTICAL  |
| 2 | 5460.00 | 49.71  | 54.00  | -4.29 | 41.95  | 6.60  | 34.22   | 33.06  | 164   | 41    | Average | VERTICAL  |
| 3 | 5468.99 | 70.55  | 74.00  | -3.45 | 62.76  | 6.60  | 34.25   | 33.06  | 164   | 41    | Peak    | VERTICAL  |
| 4 | 5470.00 | 52.83  | 54.00  | -1.17 | 45.04  | 6.60  | 34.25   | 33.06  | 164   | 41    | Average | VERTICAL  |
| 5 | 5500.58 | 107.35 |        |       | 99.48  | 6.63  | 34.30   | 33.06  | 164   | 41    | Average | VERTICAL  |
| 6 | 5501.74 | 118.69 |        |       | 110.81 | 6.65  | 34.30   | 33.07  | 164   | 41    | Peak    | VERTICAL  |

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 |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5448.42 | 62.56  | 74.00  | -11.44 | 54.84  | 6.56  | 34.22   | 33.06  | 153   | 37    | Peak    | VERTICAL  |
| 2 | 5460.00 | 50.38  | 54.00  | -3.62  | 42.62  | 6.60  | 34.22   | 33.06  | 153   | 37    | Average | VERTICAL  |
| 3 | 5462.04 | 50.41  | 54.00  | -3.59  | 42.65  | 6.60  | 34.22   | 33.06  | 153   | 37    | Average | VERTICAL  |
| 4 | 5466.38 | 63.16  | 74.00  | -10.84 | 55.37  | 6.60  | 34.25   | 33.06  | 153   | 37    | Peak    | VERTICAL  |
| 5 | 5581.45 | 107.65 |        |        | 99.68  | 6.72  | 34.34   | 33.09  | 153   | 37    | Average | VERTICAL  |
| 6 | 5582.89 | 117.85 |        |        | 109.87 | 6.72  | 34.35   | 33.09  | 153   | 37    | Peak    | VERTICAL  |
| 7 | 5740.92 | 51.11  | 54.00  | -2.89  | 42.95  | 6.86  | 34.44   | 33.14  | 153   | 37    | Average | VERTICAL  |
| 8 | 5745.26 | 62.91  | 74.00  | -11.09 | 54.75  | 6.86  | 34.44   | 33.14  | 153   | 37    | Peak    | VERTICAL  |

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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5691.75 | 102.70 |        |       | 94.60  | 6.81  | 34.41   | 33.12  | 170   | 37    | Average | VERTICAL  |
| 2 | 5698.55 | 113.25 |        |       | 105.15 | 6.81  | 34.41   | 33.12  | 170   | 37    | Peak    | VERTICAL  |
| 3 | 5725.00 | 51.59  | 54.00  | -2.41 | 43.46  | 6.83  | 34.43   | 33.13  | 170   | 37    | Average | VERTICAL  |
| 4 | 5725.14 | 72.97  | 74.00  | -1.03 | 64.84  | 6.83  | 34.43   | 33.13  | 170   | 37    | 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<br>CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

#### Channel 149

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark     | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | cm    | deg        |           |
| 1 | 5711.67 | 66.96  | 68.20  | -1.24 | 58.84  | 6.83         | 34.42  | 33.13 | 173   | 35 Peak    | VERTICAL  |
| 2 | 5723.99 | 73.86  | 78.20  | -4.34 | 65.73  | 6.83         | 34.43  | 33.13 | 173   | 35 Peak    | VERTICAL  |
| 3 | 5743.99 | 102.86 |        |       | 94.70  | 6.86         | 34.44  | 33.14 | 173   | 35 Average | VERTICAL  |
| 4 | 5746.59 | 113.04 |        |       | 104.88 | 6.86         | 34.44  | 33.14 | 173   | 35 Peak    | VERTICAL  |

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

#### Channel 157

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark     | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | cm    | deg        |           |
| 1 | 5707.19 | 67.12  | 68.20  | -1.08  | 59.00  | 6.83         | 34.42  | 33.13 | 167   | 38 Peak    | VERTICAL  |
| 2 | 5721.24 | 63.63  | 78.20  | -14.57 | 55.50  | 6.83         | 34.43  | 33.13 | 167   | 38 Peak    | VERTICAL  |
| 3 | 5786.74 | 107.31 |        |        | 99.09  | 6.90         | 34.48  | 33.16 | 167   | 38 Average | VERTICAL  |
| 4 | 5788.18 | 117.42 |        |        | 109.20 | 6.90         | 34.48  | 33.16 | 167   | 38 Peak    | VERTICAL  |
| 5 | 5857.11 | 65.75  | 78.20  | -12.45 | 57.45  | 6.95         | 34.52  | 33.17 | 167   | 38 Peak    | VERTICAL  |
| 6 | 5861.74 | 66.69  | 68.20  | -1.51  | 58.38  | 6.97         | 34.52  | 33.18 | 167   | 38 Peak    | VERTICAL  |

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

#### Channel 165

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 5822.54 | 114.10 |        |       | 105.84 | 6.92         | 34.50  | 33.16 | 169   | 307 Peak    | VERTICAL  |
| 2 | 5822.68 | 102.96 |        |       | 94.70  | 6.92         | 34.50  | 33.16 | 169   | 307 Average | VERTICAL  |
| 3 | 5850.58 | 76.48  | 78.20  | -1.72 | 68.19  | 6.95         | 34.51  | 33.17 | 169   | 307 Peak    | VERTICAL  |
| 4 | 5860.29 | 65.82  | 68.20  | -2.38 | 57.51  | 6.97         | 34.52  | 33.18 | 169   | 307 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<br>CH 38, 46 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                                |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                |

#### Channel 38

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg        |           |
| 1 | 5138.13 | 72.81  | 74.00  | -1.19 | 65.98  | 6.17         | 33.71  | 33.05  | 159   | 28 Peak    | VERTICAL  |
| 2 | 5150.00 | 50.10  | 54.00  | -3.90 | 43.20  | 6.21         | 33.74  | 33.05  | 159   | 28 Average | VERTICAL  |
| 3 | 5178.71 | 108.33 |        |       | 101.35 | 6.24         | 33.79  | 33.05  | 159   | 28 Peak    | VERTICAL  |
| 4 | 5207.37 | 97.44  |        |       | 90.40  | 6.27         | 33.82  | 33.05  | 159   | 28 Average | VERTICAL  |

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

#### Channel 46

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg        |           |
| 1 | 5123.23 | 64.04  | 74.00  | -9.96 | 57.21  | 6.17         | 33.71  | 33.05  | 157   | 39 Peak    | VERTICAL  |
| 2 | 5147.11 | 51.49  | 54.00  | -2.51 | 44.59  | 6.21         | 33.74  | 33.05  | 157   | 39 Average | VERTICAL  |
| 3 | 5234.34 | 106.68 |        |       | 99.56  | 6.30         | 33.87  | 33.05  | 157   | 39 Average | VERTICAL  |
| 4 | 5237.24 | 116.59 |        |       | 109.47 | 6.30         | 33.87  | 33.05  | 157   | 39 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<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                                |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                |

#### Channel 54

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | Loss         | Factor | Factor | cm    | deg         |           |
| 1 | 5274.63 | 104.68 |        |        | 97.44  | 6.37         | 33.93  | 33.06  | 162   | 309 Average | VERTICAL  |
| 2 | 5275.50 | 114.92 |        |        | 107.66 | 6.37         | 33.95  | 33.06  | 162   | 309 Peak    | VERTICAL  |
| 3 | 5351.16 | 63.73  | 74.00  | -10.27 | 56.26  | 6.47         | 34.06  | 33.06  | 162   | 309 Peak    | VERTICAL  |
| 4 | 5354.00 | 52.25  | 54.00  | -1.75  | 44.78  | 6.47         | 34.06  | 33.06  | 162   | 309 Average | VERTICAL  |

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

#### Channel 62

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg        |           |
| 1 | 5305.95 | 99.80  |        |       | 92.48  | 6.40         | 33.98  | 33.06  | 166   | 34 Average | VERTICAL  |
| 2 | 5306.53 | 110.38 |        |       | 103.06 | 6.40         | 33.98  | 33.06  | 166   | 34 Peak    | VERTICAL  |
| 3 | 5350.00 | 52.36  | 54.00  | -1.64 | 44.89  | 6.47         | 34.06  | 33.06  | 166   | 34 Average | VERTICAL  |
| 4 | 5352.60 | 68.71  | 74.00  | -5.29 | 61.24  | 6.47         | 34.06  | 33.06  | 166   | 34 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<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

#### Channel 102

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5452.34 | 66.26  | 74.00  | -7.74 | 58.50  | 6.60  | 34.22   | 33.06  | 182   | 46    | Peak    | VERTICAL  |
| 2 | 5460.00 | 50.70  | 54.00  | -3.30 | 42.94  | 6.60  | 34.22   | 33.06  | 182   | 46    | Average | VERTICAL  |
| 3 | 5466.53 | 68.35  | 74.00  | -5.65 | 60.56  | 6.60  | 34.25   | 33.06  | 182   | 46    | Peak    | VERTICAL  |
| 4 | 5470.00 | 52.39  |        |       | 44.60  | 6.60  | 34.25   | 33.06  | 182   | 46    | Average | VERTICAL  |
| 5 | 5492.63 | 100.15 |        |       | 92.31  | 6.63  | 34.27   | 33.06  | 182   | 46    | Average | VERTICAL  |
| 6 | 5506.82 | 110.94 | 74.00  | 36.94 | 103.06 | 6.65  | 34.30   | 33.07  | 182   | 46    | Peak    | VERTICAL  |

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

#### Channel 110

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5458.55 | 67.69  | 74.00  | -6.31 | 59.93  | 6.60  | 34.22   | 33.06  | 178   | 46    | Peak    | VERTICAL  |
| 2 | 5459.71 | 52.06  | 54.00  | -1.94 | 44.30  | 6.60  | 34.22   | 33.06  | 178   | 46    | Average | VERTICAL  |
| 3 | 5465.95 | 68.35  | 74.00  | -5.65 | 60.56  | 6.60  | 34.25   | 33.06  | 178   | 46    | Peak    | VERTICAL  |
| 4 | 5469.42 | 52.52  | 54.00  | -1.48 | 44.73  | 6.60  | 34.25   | 33.06  | 178   | 46    | Average | VERTICAL  |
| 5 | 5546.82 | 115.43 |        |       | 107.51 | 6.68  | 34.32   | 33.08  | 178   | 46    | Peak    | VERTICAL  |
| 6 | 5563.31 | 103.62 |        |       | 95.67  | 6.70  | 34.33   | 33.08  | 178   | 46    | Average | 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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5663.05 | 112.63 |        |       | 104.57 | 6.79  | 34.39   | 33.12  | 163   | 37    | Peak    | VERTICAL  |
| 2 | 5674.92 | 101.93 |        |       | 93.86  | 6.79  | 34.40   | 33.12  | 163   | 37    | Average | VERTICAL  |
| 3 | 5727.32 | 72.52  | 74.00  | -1.48 | 64.39  | 6.83  | 34.43   | 33.13  | 163   | 37    | Peak    | VERTICAL  |
| 4 | 5732.53 | 52.83  | 54.00  | -1.17 | 44.68  | 6.86  | 34.43   | 33.14  | 163   | 37    | Average | 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<br>CH 151, 159 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                                  |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                  |

#### Channel 151

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark     | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | cm    | deg        |           |
| 1 | 5712.11 | 66.50  | 68.20  | -1.70 | 58.38  | 6.83         | 34.42  | 33.13 | 160   | 31 Peak    | VERTICAL  |
| 2 | 5722.68 | 69.90  | 78.20  | -8.30 | 61.77  | 6.83         | 34.43  | 33.13 | 160   | 31 Peak    | VERTICAL  |
| 3 | 5750.37 | 98.46  |        |       | 90.30  | 6.86         | 34.44  | 33.14 | 160   | 31 Average | VERTICAL  |
| 4 | 5750.95 | 109.61 |        |       | 101.45 | 6.86         | 34.44  | 33.14 | 160   | 31 Peak    | VERTICAL  |

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

#### Channel 159

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 5710.08 | 63.42  | 68.20  | -4.78  | 55.30  | 6.83         | 34.42  | 33.13 | 171   | 309 Peak    | VERTICAL  |
| 2 | 5718.92 | 64.40  | 78.20  | -13.80 | 56.27  | 6.83         | 34.43  | 33.13 | 171   | 309 Peak    | VERTICAL  |
| 3 | 5791.82 | 111.29 |        |        | 103.07 | 6.90         | 34.48  | 33.16 | 171   | 309 Peak    | VERTICAL  |
| 4 | 5812.08 | 100.65 |        |        | 92.40  | 6.92         | 34.49  | 33.16 | 171   | 309 Average | VERTICAL  |
| 5 | 5851.74 | 72.36  | 78.20  | -5.84  | 64.07  | 6.95         | 34.51  | 33.17 | 171   | 309 Peak    | VERTICAL  |
| 6 | 5860.58 | 67.19  | 68.20  | -1.01  | 58.88  | 6.97         | 34.52  | 33.18 | 171   | 309 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<br>CH 42, 58 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                                |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                |

#### Channel 42

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5147.83 | 69.39  | 74.00  | -4.61  | 62.49  | 6.21  | 33.74   | 33.05  | 153   | 311   | Peak    | VERTICAL  |
| 2 | 5150.00 | 52.70  | 54.00  | -1.30  | 45.80  | 6.21  | 33.74   | 33.05  | 153   | 311   | Average | VERTICAL  |
| 3 | 5236.05 | 98.44  |        |        | 91.32  | 6.30  | 33.87   | 33.05  | 153   | 311   | Average | VERTICAL  |
| 4 | 5236.05 | 108.05 |        |        | 100.93 | 6.30  | 33.87   | 33.05  | 153   | 311   | Peak    | VERTICAL  |
| 5 | 5350.00 | 49.86  | 54.00  | -4.14  | 42.39  | 6.47  | 34.06   | 33.06  | 153   | 311   | Average | VERTICAL  |
| 6 | 5350.00 | 62.10  | 74.00  | -11.90 | 54.63  | 6.47  | 34.06   | 33.06  | 153   | 311   | Peak    | VERTICAL  |

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

#### Channel 58

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5144.21 | 59.57  | 74.00  | -14.43 | 52.67  | 6.21  | 33.74   | 33.05  | 170   | 309   | Peak    | VERTICAL  |
| 2 | 5150.00 | 47.81  | 54.00  | -6.19  | 40.91  | 6.21  | 33.74   | 33.05  | 170   | 309   | Average | VERTICAL  |
| 3 | 5261.78 | 107.54 |        |        | 100.33 | 6.34  | 33.93   | 33.06  | 170   | 309   | Peak    | VERTICAL  |
| 4 | 5283.49 | 95.50  |        |        | 88.24  | 6.37  | 33.95   | 33.06  | 170   | 309   | Average | VERTICAL  |
| 5 | 5350.00 | 52.85  | 54.00  | -1.15  | 45.38  | 6.47  | 34.06   | 33.06  | 170   | 309   | Average | VERTICAL  |
| 6 | 5352.89 | 67.77  | 74.00  | -6.23  | 60.30  | 6.47  | 34.06   | 33.06  | 170   | 309   | 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<br>CH 106, 122, 155 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

#### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5459.28 | 68.49  | 74.00  | -5.51  | 60.73  | 6.60  | 34.22   | 33.06  | 165   | 317   | Peak    | VERTICAL  |
| 2 | 5460.00 | 52.48  | 54.00  | -1.52  | 44.72  | 6.60  | 34.22   | 33.06  | 165   | 317   | Average | VERTICAL  |
| 3 | 5465.66 | 52.72  | 54.00  | -1.28  | 44.93  | 6.60  | 34.25   | 33.06  | 165   | 317   | Average | VERTICAL  |
| 4 | 5466.38 | 71.25  | 74.00  | -2.75  | 63.46  | 6.60  | 34.25   | 33.06  | 165   | 317   | Peak    | VERTICAL  |
| 5 | 5494.54 | 97.21  |        |        | 89.37  | 6.63  | 34.27   | 33.06  | 165   | 317   | Average | VERTICAL  |
| 6 | 5495.99 | 109.21 |        |        | 101.37 | 6.63  | 34.27   | 33.06  | 165   | 317   | Peak    | VERTICAL  |
| 7 | 5725.00 | 49.47  | 54.00  | -4.53  | 41.34  | 6.83  | 34.43   | 33.13  | 165   | 317   | Average | VERTICAL  |
| 8 | 5729.34 | 61.23  | 74.00  | -12.77 | 53.10  | 6.83  | 34.43   | 33.13  | 165   | 317   | Peak    | VERTICAL  |

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

#### Channel 122

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5453.49 | 61.81  | 74.00  | -12.19 | 54.05  | 6.60  | 34.22   | 33.06  | 169   | 34    | Peak    | VERTICAL  |
| 2 | 5458.55 | 50.88  | 54.00  | -3.12  | 43.12  | 6.60  | 34.22   | 33.06  | 169   | 34    | Average | VERTICAL  |
| 3 | 5464.21 | 65.97  | 74.00  | -8.03  | 58.18  | 6.60  | 34.25   | 33.06  | 169   | 34    | Peak    | VERTICAL  |
| 4 | 5467.83 | 50.42  | 54.00  | -3.58  | 42.63  | 6.60  | 34.25   | 33.06  | 169   | 34    | Average | VERTICAL  |
| 5 | 5578.89 | 110.57 |        |        | 102.60 | 6.72  | 34.34   | 33.09  | 169   | 34    | Peak    | VERTICAL  |
| 6 | 5619.41 | 99.32  |        |        | 91.31  | 6.74  | 34.37   | 33.10  | 169   | 34    | Average | VERTICAL  |
| 7 | 5726.45 | 52.66  | 54.00  | -1.34  | 44.53  | 6.83  | 34.43   | 33.13  | 169   | 34    | Average | VERTICAL  |
| 8 | 5732.96 | 65.80  | 74.00  | -8.20  | 57.65  | 6.86  | 34.43   | 33.14  | 169   | 34    | Peak    | VERTICAL  |

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

#### Channel 155

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5715.00 | 65.94  | 68.20  | -2.26  | 57.82  | 6.83  | 34.42   | 33.13  | 190   | 34    | Peak    | VERTICAL  |
| 2 | 5719.21 | 67.62  | 78.20  | -10.58 | 59.49  | 6.83  | 34.43   | 33.13  | 190   | 34    | Peak    | VERTICAL  |
| 3 | 5752.57 | 110.16 |        |        | 101.98 | 6.86  | 34.46   | 33.14  | 190   | 34    | Peak    | VERTICAL  |
| 4 | 5801.05 | 95.16  |        |        | 86.94  | 6.90  | 34.48   | 33.16  | 190   | 34    | Average | VERTICAL  |
| 5 | 5854.34 | 67.29  | 78.20  | -10.91 | 58.99  | 6.95  | 34.52   | 33.17  | 190   | 34    | Peak    | VERTICAL  |
| 6 | 5869.54 | 67.05  | 68.20  | -1.15  | 58.74  | 6.97  | 34.52   | 33.18  | 190   | 34    | 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<br>CH 144 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                             |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                             |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5712.04 | 111.96 |        |       | 103.84 | 6.83  | 34.42   | 33.13  | 211   | 39    | Average | VERTICAL  |
| 2 | 5714.21 | 121.34 |        |       | 113.22 | 6.83  | 34.42   | 33.13  | 211   | 39    | Peak    | VERTICAL  |
| 3 | 5881.84 | 65.18  | 68.20  | -3.02 | 56.86  | 6.97  | 34.53   | 33.18  | 211   | 39    | 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<br>CH 142 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                             |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                             |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5704.21 | 119.03 |        |       | 110.92 | 6.81  | 34.42   | 33.12  | 162   | 36    | Peak    | VERTICAL  |
| 2 | 5713.62 | 108.02 |        |       | 99.90  | 6.83  | 34.42   | 33.13  | 162   | 36    | Average | VERTICAL  |
| 3 | 5889.07 | 66.72  | 68.20  | -1.48 | 58.38  | 6.99  | 34.54   | 33.19  | 162   | 36    | 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<br>CH 138 / Chain 1 + Chain 2 |
| Test Date     | Jul. 18, 2015                                 |                |                                                             |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                             |

#### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5658.89 | 113.43 |        |       | 105.37 | 6.79  | 34.39   | 33.12  | 181   | 38    | Peak    | VERTICAL  |
| 2 | 5701.58 | 100.89 |        |       | 92.78  | 6.81  | 34.42   | 33.12  | 181   | 38    | Average | VERTICAL  |
| 3 | 5855.07 | 66.82  | 68.20  | -1.38 | 58.52  | 6.95  | 34.52   | 33.17  | 181   | 38    | 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<br>CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date     | Jul. 28, 2015                                   |                |                                                                    |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                    |

#### Channel 36

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | Cable<br>Loss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|---------------|---------------|---------------|---------------|-------------------|------------------|-------|-------|---------|------------|
|   | 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<br>Line | Over<br>Limit | Read<br>Level | Cable<br>Loss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|---------------|---------------|---------------|---------------|-------------------|------------------|-------|-------|---------|------------|
|   | 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<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | A/Pos | T/Pos | Remark | Pol/Phase |            |
|---|---------|--------|---------------|---------------|---------------|----------------------|------------------|-------|-------|--------|-----------|------------|
|   | 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<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date     | Jul. 28, 2015                                   |                |                                                                    |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                    |

### Channel 52

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date     | Jul. 28, 2015                                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

#### Channel 100

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|----|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|    | 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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<br>CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date     | Jul. 29, 2015                                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

#### Channel 149

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | 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<br>CH 38, 46 / Chain 1 + Chain 2 |
| Test Date     | Jul. 29, 2015                                   |                |                                                                |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                |

### Channel 38

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 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<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date     | Jul. 29, 2015 ~ Aug. 03, 2015                   |                |                                                                |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                |

#### Channel 54

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | 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  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | 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<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date     | Jul. 29, 2015 ~ Aug. 03, 2015                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

#### Channel 102

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | CableAntenna Loss | Preamp Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|------------|------------|------------|-------------------|---------------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB                | dB/m          | dB    | 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 Line | Over Limit | Read Level | CableAntenna Loss | Preamp Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|------------|------------|------------|-------------------|---------------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB                | dB/m          | dB    | 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 Line | Over Limit | Read Level | CableAntenna Loss | Preamp Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|------------|------------|------------|-------------------|---------------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB                | dB/m          | dB    | 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<br>CH 151, 159 / Chain 1 + Chain 2 |
| Test Date     | Jul. 29, 2015                                   |                |                                                                  |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                  |

#### Channel 151

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | A/Pos | T/Pos | Remark | Pol/Phase |            |
|---|---------|--------|---------------|---------------|---------------|----------------------|------------------|-------|-------|--------|-----------|------------|
|   | 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<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | A/Pos | T/Pos | Remark | Pol/Phase |            |
|---|---------|--------|---------------|---------------|---------------|----------------------|------------------|-------|-------|--------|-----------|------------|
|   | 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<br>CH 42, 58 / Chain 1 + Chain 2 |
| Test Date     | Jul. 29, 2015                                   |                |                                                                |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                |

#### Channel 42

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|------------|
|   | 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   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|------------|
|   | 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.



|               |                                                 |                |                                                                       |
|---------------|-------------------------------------------------|----------------|-----------------------------------------------------------------------|
| Temperature   | 23°C                                            | Humidity       | 61%                                                                   |
| Test Engineer | Paul Chen                                       | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80<br>CH 106, 122, 155 / Chain 1 + Chain 2 |
| Test Date     | Jul. 29, 2015                                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5457.08 | 69.23  | 74.00  | -4.77  | 61.47  | 6.60  | 34.22   | 33.06  | 141   | 353   | Peak    | HORIZONTAL |
| 2 | 5459.49 | 52.41  | 54.00  | -1.59  | 44.65  | 6.60  | 34.22   | 33.06  | 141   | 353   | Average | HORIZONTAL |
| 3 | 5467.50 | 52.89  | 54.00  | -1.11  | 45.10  | 6.60  | 34.25   | 33.06  | 141   | 353   | Average | HORIZONTAL |
| 4 | 5467.50 | 72.98  | 74.00  | -1.02  | 65.19  | 6.60  | 34.25   | 33.06  | 141   | 353   | Peak    | HORIZONTAL |
| 5 | 5505.96 | 109.85 |        |        | 101.97 | 6.65  | 34.30   | 33.07  | 141   | 353   | Peak    | HORIZONTAL |
| 6 | 5532.40 | 98.37  |        |        | 90.45  | 6.68  | 34.32   | 33.08  | 141   | 353   | Average | HORIZONTAL |
| 7 | 5728.21 | 61.31  | 74.00  | -12.69 | 53.18  | 6.83  | 34.43   | 33.13  | 141   | 353   | Peak    | HORIZONTAL |
| 8 | 5744.74 | 47.89  | 54.00  | -6.11  | 39.73  | 6.86  | 34.44   | 33.14  | 141   | 353   | Average | HORIZONTAL |

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

### Channel 122

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5454.55 | 52.19  | 54.00  | -1.81 | 44.43  | 6.60  | 34.22   | 33.06  | 187   | 358   | Average | HORIZONTAL |
| 2 | 5459.36 | 67.96  | 74.00  | -6.04 | 60.20  | 6.60  | 34.22   | 33.06  | 187   | 358   | Peak    | HORIZONTAL |
| 3 | 5460.16 | 52.57  | 54.00  | -1.43 | 44.81  | 6.60  | 34.22   | 33.06  | 187   | 358   | Average | HORIZONTAL |
| 4 | 5461.76 | 67.98  | 74.00  | -6.02 | 60.22  | 6.60  | 34.22   | 33.06  | 187   | 358   | Peak    | HORIZONTAL |
| 5 | 5574.74 | 101.53 |        |       | 93.57  | 6.70  | 34.34   | 33.08  | 187   | 358   | Average | HORIZONTAL |
| 6 | 5579.55 | 112.31 |        |       | 104.34 | 6.72  | 34.34   | 33.09  | 187   | 358   | Peak    | HORIZONTAL |
| 7 | 5725.00 | 51.82  | 54.00  | -2.18 | 43.69  | 6.83  | 34.43   | 33.13  | 187   | 358   | Average | HORIZONTAL |
| 8 | 5745.42 | 68.62  | 74.00  | -5.38 | 60.46  | 6.86  | 34.44   | 33.14  | 187   | 358   | Peak    | HORIZONTAL |

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

### Channel 155

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5697.28 | 66.83  | 68.20  | -1.37  | 58.73 | 6.81  | 34.41   | 33.12  | 174   | 359   | Peak    | HORIZONTAL |
| 2 | 5718.59 | 66.64  | 78.20  | -11.56 | 58.51 | 6.83  | 34.43   | 33.13  | 174   | 359   | Peak    | HORIZONTAL |
| 3 | 5741.35 | 107.72 |        |        | 99.56 | 6.86  | 34.44   | 33.14  | 174   | 359   | Peak    | HORIZONTAL |
| 4 | 5749.36 | 95.18  |        |        | 87.02 | 6.86  | 34.44   | 33.14  | 174   | 359   | Average | HORIZONTAL |
| 5 | 5850.00 | 67.27  | 78.20  | -10.93 | 58.98 | 6.95  | 34.51   | 33.17  | 174   | 359   | Peak    | HORIZONTAL |
| 6 | 5860.74 | 64.75  | 68.20  | -3.45  | 56.44 | 6.97  | 34.52   | 33.18  | 174   | 359   | 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<br>CH 144 / Chain 1 + Chain 2 |
| Test Date     | Jul. 28, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                             |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preampl | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|---------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB      | cm    | deg   |         |            |
| 1 | 5722.40 | 113.05 |        |       | 104.92 | 6.83  | 34.43   | 33.13   | 154   | 353   | Average | HORIZONTAL |
| 2 | 5724.01 | 122.75 |        |       | 114.62 | 6.83  | 34.43   | 33.13   | 154   | 353   | Peak    | HORIZONTAL |
| 3 | 5884.26 | 66.62  | 68.20  | -1.58 | 58.29  | 6.99  | 34.53   | 33.19   | 154   | 353   | 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<br>CH 142 / Chain 1 + Chain 2 |
| Test Date     | Jul. 29, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                             |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5692.37 | 111.15 |        |       | 103.05 | 6.81  | 34.41   | 33.12  | 188   | 332   | Average | HORIZONTAL |
| 2 | 5692.37 | 119.76 |        |       | 111.66 | 6.81  | 34.41   | 33.12  | 188   | 332   | Peak    | HORIZONTAL |
| 3 | 5852.63 | 67.00  | 68.20  | -1.20 | 58.71  | 6.95  | 34.51   | 33.17  | 188   | 332   | 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<br>CH 138 / Chain 1 + Chain 2 |
| Test Date     | Jul. 29, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                             |

#### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5691.60 | 106.96 |        |       | 98.86  | 6.81  | 34.41   | 33.12  | 149   | 329   | Average | HORIZONTAL |
| 2 | 5691.60 | 116.74 |        |       | 108.64 | 6.81  | 34.41   | 33.12  | 149   | 329   | Peak    | HORIZONTAL |
| 3 | 5853.46 | 66.98  | 68.20  | -1.22 | 58.69  | 6.95  | 34.51   | 33.17  | 149   | 329   | 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<br>CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date     | Aug. 06, 2015                                |                |                                                                    |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                    |

#### Channel 36

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | cm    | deg   |         |           |
| 1 | 5148.80 | 72.16  | 74.00  | -1.84 | 65.26  | 6.21         | 33.74  | 196   | 228   | Peak    | VERTICAL  |
| 2 | 5150.00 | 52.84  | 54.00  | -1.16 | 45.94  | 6.21         | 33.74  | 196   | 228   | Average | VERTICAL  |
| 3 | 5178.00 | 113.25 |        |       | 106.27 | 6.24         | 33.79  | 196   | 228   | Peak    | VERTICAL  |
| 4 | 5181.80 | 101.33 |        |       | 94.35  | 6.24         | 33.79  | 196   | 228   | Average | VERTICAL  |

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

#### Channel 40

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | cm    | deg   |         |           |
| 1 | 5149.60 | 52.99  | 54.00  | -1.01 | 46.09  | 6.21         | 33.74  | 222   | 231   | Average | VERTICAL  |
| 2 | 5150.00 | 68.30  | 74.00  | -5.70 | 61.40  | 6.21         | 33.74  | 222   | 231   | Peak    | VERTICAL  |
| 3 | 5198.80 | 105.48 |        |       | 98.44  | 6.27         | 33.82  | 222   | 231   | Average | VERTICAL  |
| 4 | 5201.80 | 115.39 |        |       | 108.35 | 6.27         | 33.82  | 222   | 231   | Peak    | VERTICAL  |

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

#### Channel 48

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | Loss         | Factor | cm    | deg   |         |           |
| 1 | 5112.20 | 49.45  | 54.00  | -4.55  | 42.67  | 6.14         | 33.69  | 201   | 227   | Average | VERTICAL  |
| 2 | 5118.80 | 62.33  | 74.00  | -11.67 | 55.52  | 6.17         | 33.69  | 201   | 227   | Peak    | VERTICAL  |
| 3 | 5233.40 | 106.26 |        |        | 99.14  | 6.30         | 33.87  | 201   | 227   | Average | VERTICAL  |
| 4 | 5234.00 | 116.62 |        |        | 109.50 | 6.30         | 33.87  | 201   | 227   | Peak    | VERTICAL  |
| 5 | 5354.00 | 63.06  | 74.00  | -10.94 | 55.59  | 6.47         | 34.06  | 201   | 227   | Peak    | VERTICAL  |
| 6 | 5358.20 | 51.21  | 54.00  | -2.79  | 43.74  | 6.47         | 34.06  | 201   | 227   | 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<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date     | Aug. 06, 2015                                |                |                                                                    |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                    |

#### Channel 52

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | Loss         | Factor | Factor | cm    | deg         |           |
| 1 | 5138.80 | 63.84  | 74.00  | -10.16 | 57.01  | 6.17         | 33.71  | 33.05  | 194   | 307 Peak    | VERTICAL  |
| 2 | 5140.00 | 50.91  | 54.00  | -3.09  | 44.05  | 6.17         | 33.74  | 33.05  | 194   | 307 Average | VERTICAL  |
| 3 | 5258.80 | 107.44 |        |        | 100.23 | 6.34         | 33.93  | 33.06  | 194   | 307 Average | VERTICAL  |
| 4 | 5258.80 | 118.19 |        |        | 110.98 | 6.34         | 33.93  | 33.06  | 194   | 307 Peak    | VERTICAL  |
| 5 | 5378.20 | 50.77  | 54.00  | -3.23  | 43.22  | 6.50         | 34.11  | 33.06  | 194   | 307 Average | VERTICAL  |
| 6 | 5378.20 | 64.34  | 74.00  | -9.66  | 56.79  | 6.50         | 34.11  | 33.06  | 194   | 307 Peak    | VERTICAL  |

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

#### Channel 60

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg         |           |
| 1 | 5299.20 | 106.78 |        |       | 99.46  | 6.40         | 33.98  | 33.06  | 197   | 304 Average | VERTICAL  |
| 2 | 5301.60 | 117.17 |        |       | 109.85 | 6.40         | 33.98  | 33.06  | 197   | 304 Peak    | VERTICAL  |
| 3 | 5350.00 | 52.87  | 54.00  | -1.13 | 45.40  | 6.47         | 34.06  | 33.06  | 197   | 304 Average | VERTICAL  |
| 4 | 5354.40 | 66.41  | 74.00  | -7.59 | 58.94  | 6.47         | 34.06  | 33.06  | 197   | 304 Peak    | VERTICAL  |

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

#### Channel 64

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg         |           |
| 1 | 5318.60 | 102.45 |        |       | 95.10  | 6.40         | 34.01  | 33.06  | 203   | 229 Average | VERTICAL  |
| 2 | 5321.80 | 112.43 |        |       | 105.08 | 6.40         | 34.01  | 33.06  | 203   | 229 Peak    | VERTICAL  |
| 3 | 5350.00 | 52.98  | 54.00  | -1.02 | 45.51  | 6.47         | 34.06  | 33.06  | 203   | 229 Average | VERTICAL  |
| 4 | 5351.20 | 69.25  | 74.00  | -4.75 | 61.78  | 6.47         | 34.06  | 33.06  | 203   | 229 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<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date     | Aug. 06, 2015                                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 100

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5459.80 | 64.07  | 74.00  | -9.93 | 56.31  | 6.60  | 34.22   | 33.06  | 190   | 14    | Peak    | VERTICAL  |
| 2 | 5460.00 | 49.14  | 54.00  | -4.86 | 41.38  | 6.60  | 34.22   | 33.06  | 190   | 14    | Average | VERTICAL  |
| 3 | 5469.80 | 71.19  | 74.00  | -2.81 | 63.40  | 6.60  | 34.25   | 33.06  | 190   | 14    | Peak    | VERTICAL  |
| 4 | 5470.00 | 52.79  | 54.00  | -1.21 | 45.00  | 6.60  | 34.25   | 33.06  | 190   | 14    | Average | VERTICAL  |
| 5 | 5492.60 | 112.71 |        |       | 104.87 | 6.63  | 34.27   | 33.06  | 190   | 14    | Peak    | VERTICAL  |
| 6 | 5498.20 | 102.31 |        |       | 94.44  | 6.63  | 34.30   | 33.06  | 190   | 14    | Average | VERTICAL  |

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 |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5428.00 | 50.67  | 54.00  | -3.33  | 43.00  | 6.56  | 34.17   | 33.06  | 240   | 3     | Average | VERTICAL  |
| 2 | 5428.00 | 62.70  | 74.00  | -11.30 | 55.03  | 6.56  | 34.17   | 33.06  | 240   | 3     | Peak    | VERTICAL  |
| 3 | 5467.60 | 50.57  | 54.00  | -3.43  | 42.78  | 6.60  | 34.25   | 33.06  | 240   | 3     | Average | VERTICAL  |
| 4 | 5467.60 | 62.37  | 74.00  | -11.63 | 54.58  | 6.60  | 34.25   | 33.06  | 240   | 3     | Peak    | VERTICAL  |
| 5 | 5588.00 | 107.87 |        |        | 99.89  | 6.72  | 34.35   | 33.09  | 240   | 3     | Average | VERTICAL  |
| 6 | 5588.00 | 116.82 |        |        | 108.84 | 6.72  | 34.35   | 33.09  | 240   | 3     | Peak    | VERTICAL  |
| 7 | 5747.20 | 61.66  | 74.00  | -12.34 | 53.50  | 6.86  | 34.44   | 33.14  | 240   | 3     | Peak    | VERTICAL  |
| 8 | 5748.80 | 48.89  | 54.00  | -5.11  | 40.73  | 6.86  | 34.44   | 33.14  | 240   | 3     | Average | VERTICAL  |

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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5691.60 | 102.85 |        |       | 94.75  | 6.81  | 34.41   | 33.12  | 145   | 321   | Average | VERTICAL  |
| 2 | 5692.00 | 112.47 |        |       | 104.37 | 6.81  | 34.41   | 33.12  | 145   | 321   | Peak    | VERTICAL  |
| 3 | 5725.00 | 52.98  | 54.00  | -1.02 | 44.85  | 6.83  | 34.43   | 33.13  | 145   | 321   | Average | VERTICAL  |
| 4 | 5725.20 | 70.49  | 74.00  | -3.51 | 62.36  | 6.83  | 34.43   | 33.13  | 145   | 321   | 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<br>CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date     | Aug. 06, 2015 ~ Aug. 11, 2015                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 149

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 1 | 5713.60 | 69.12  | 74.00  | -4.88 | 61.00  | 6.83  | 34.42   | 33.13  | 200   | 339   | Peak    | VERTICAL  |
| 2 | 5714.80 | 49.99  | 54.00  | -4.01 | 41.87  | 6.83  | 34.42   | 33.13  | 200   | 339   | Average | VERTICAL  |
| 3 | 5724.40 | 76.95  | 78.20  | -1.25 | 68.82  | 6.83  | 34.43   | 33.13  | 200   | 339   | Peak    | VERTICAL  |
| 4 | 5743.00 | 110.55 |        |       | 102.39 | 6.86  | 34.44   | 33.14  | 200   | 339   | Peak    | VERTICAL  |
| 5 | 5743.40 | 99.86  |        |       | 91.70  | 6.86  | 34.44   | 33.14  | 200   | 339   | 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 |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 1 | 5711.20 | 51.79  | 54.00  | -2.21  | 43.67  | 6.83  | 34.42   | 33.13  | 202   | 315   | Average | VERTICAL  |
| 2 | 5713.60 | 64.50  | 74.00  | -9.50  | 56.38  | 6.83  | 34.42   | 33.13  | 202   | 315   | Peak    | VERTICAL  |
| 3 | 5723.20 | 64.23  | 78.20  | -13.97 | 56.10  | 6.83  | 34.43   | 33.13  | 202   | 315   | Peak    | VERTICAL  |
| 4 | 5782.60 | 105.26 |        |        | 97.05  | 6.90  | 34.47   | 33.16  | 202   | 315   | Average | VERTICAL  |
| 5 | 5783.20 | 115.11 |        |        | 106.90 | 6.90  | 34.47   | 33.16  | 202   | 315   | Peak    | VERTICAL  |
| 6 | 5850.60 | 66.95  | 78.20  | -11.25 | 58.66  | 6.95  | 34.51   | 33.17  | 202   | 315   | Peak    | VERTICAL  |
| 7 | 5860.00 | 67.84  | 74.00  | -6.16  | 59.53  | 6.97  | 34.52   | 33.18  | 202   | 315   | Peak    | VERTICAL  |
| 8 | 5863.60 | 52.69  | 54.00  | -1.31  | 44.38  | 6.97  | 34.52   | 33.18  | 202   | 315   | Average | VERTICAL  |

Item 4, 5 are the fundamental frequency at 5785 MHz.

#### Channel 165

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 1 | 5817.00 | 111.99 |        |       | 103.74 | 6.92  | 34.49   | 33.16  | 200   | 108   | Peak    | VERTICAL  |
| 2 | 5817.80 | 102.63 |        |       | 94.38  | 6.92  | 34.49   | 33.16  | 200   | 108   | Average | VERTICAL  |
| 3 | 5850.40 | 74.62  | 78.20  | -3.58 | 66.33  | 6.95  | 34.51   | 33.17  | 200   | 108   | Peak    | VERTICAL  |
| 4 | 5860.00 | 52.36  | 54.00  | -1.64 | 44.05  | 6.97  | 34.52   | 33.18  | 200   | 108   | Average | VERTICAL  |
| 5 | 5862.00 | 72.73  | 74.00  | -1.27 | 64.42  | 6.97  | 34.52   | 33.18  | 200   | 108   | 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<br>CH 38, 46 / Chain 1 + Chain 2 |
| Test Date     | Aug. 07, 2015                                |                |                                                                |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                |

#### Channel 38

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5148.00 | 70.94  | 74.00  | -3.06 | 64.04  | 6.21  | 33.74   | 33.05  | 216   | 230   | Peak    | VERTICAL  |
| 2 | 5149.60 | 52.92  | 54.00  | -1.08 | 46.02  | 6.21  | 33.74   | 33.05  | 216   | 230   | Average | VERTICAL  |
| 3 | 5194.00 | 97.36  |        |       | 90.35  | 6.24  | 33.82   | 33.05  | 216   | 230   | Average | VERTICAL  |
| 4 | 5194.00 | 107.23 |        |       | 100.22 | 6.24  | 33.82   | 33.05  | 216   | 230   | Peak    | 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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5148.00 | 66.66  | 74.00  | -7.34 | 59.76  | 6.21  | 33.74   | 33.05  | 198   | 228   | Peak    | VERTICAL  |
| 2 | 5148.80 | 52.59  | 54.00  | -1.41 | 45.69  | 6.21  | 33.74   | 33.05  | 198   | 228   | Average | VERTICAL  |
| 3 | 5226.00 | 102.95 |        |       | 95.83  | 6.30  | 33.87   | 33.05  | 198   | 228   | Average | VERTICAL  |
| 4 | 5236.00 | 113.73 |        |       | 106.61 | 6.30  | 33.87   | 33.05  | 198   | 228   | 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<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date     | Aug. 07, 2015                                |                |                                                                |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                |

#### Channel 54

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 1 | 5264.80 | 112.16 |        |       | 104.95 | 6.34  | 33.93   | 33.06  | 187   | 229   | Peak    | VERTICAL  |
| 2 | 5265.20 | 102.15 |        |       | 94.94  | 6.34  | 33.93   | 33.06  | 187   | 229   | Average | VERTICAL  |
| 3 | 5354.40 | 52.80  | 54.00  | -1.20 | 45.33  | 6.47  | 34.06   | 33.06  | 187   | 229   | Average | VERTICAL  |
| 4 | 5358.80 | 64.99  | 74.00  | -9.01 | 57.52  | 6.47  | 34.06   | 33.06  | 187   | 229   | 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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 1 | 5297.20 | 107.82 |        |       | 100.50 | 6.40  | 33.98   | 33.06  | 195   | 303   | Peak    | VERTICAL  |
| 2 | 5304.80 | 97.39  |        |       | 90.07  | 6.40  | 33.98   | 33.06  | 195   | 303   | Average | VERTICAL  |
| 3 | 5350.00 | 52.66  | 54.00  | -1.34 | 45.19  | 6.47  | 34.06   | 33.06  | 195   | 303   | Average | VERTICAL  |
| 4 | 5350.80 | 68.68  | 74.00  | -5.32 | 61.21  | 6.47  | 34.06   | 33.06  | 195   | 303   | 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<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date     | Aug. 07, 2015                                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 102

|   | Freq    | Level  | Limit  | Over  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5457.20 | 68.92  | 74.00  | -5.08 | 61.16 | 6.60  | 34.22   | 33.06  | 201   | 18    | Peak    | VERTICAL  |
| 2 | 5460.00 | 50.34  | 54.00  | -3.66 | 42.58 | 6.60  | 34.22   | 33.06  | 201   | 18    | Average | VERTICAL  |
| 3 | 5466.80 | 72.66  | 74.00  | -1.34 | 64.87 | 6.60  | 34.25   | 33.06  | 201   | 18    | Peak    | VERTICAL  |
| 4 | 5470.00 | 52.21  | 54.00  | -1.79 | 44.42 | 6.60  | 34.25   | 33.06  | 201   | 18    | Average | VERTICAL  |
| 5 | 5513.20 | 107.87 |        |       | 99.99 | 6.65  | 34.30   | 33.07  | 201   | 18    | Peak    | VERTICAL  |
| 6 | 5514.80 | 97.48  |        |       | 89.59 | 6.65  | 34.31   | 33.07  | 201   | 18    | Average | 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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5460.00 | 51.85  | 54.00  | -2.15 | 44.09  | 6.60  | 34.22   | 33.06  | 206   | 321   | Average | VERTICAL  |
| 2 | 5460.00 | 64.68  | 74.00  | -9.32 | 56.92  | 6.60  | 34.22   | 33.06  | 206   | 321   | Peak    | VERTICAL  |
| 3 | 5466.00 | 52.96  | 54.00  | -1.04 | 45.17  | 6.60  | 34.25   | 33.06  | 206   | 321   | Average | VERTICAL  |
| 4 | 5467.20 | 70.46  | 74.00  | -3.54 | 62.67  | 6.60  | 34.25   | 33.06  | 206   | 321   | Peak    | VERTICAL  |
| 5 | 5545.60 | 112.85 |        |       | 104.93 | 6.68  | 34.32   | 33.08  | 206   | 321   | Peak    | VERTICAL  |
| 6 | 5546.00 | 102.37 |        |       | 94.45  | 6.68  | 34.32   | 33.08  | 206   | 321   | Average | 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  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5683.20 | 88.37  |        |        | 80.28 | 6.81  | 34.40   | 33.12  | 121   | 201   | Average | HORIZONTAL |
| 2 | 5683.60 | 98.78  |        |        | 90.68 | 6.81  | 34.41   | 33.12  | 121   | 201   | Peak    | HORIZONTAL |
| 3 | 5725.00 | 61.23  | 74.00  | -12.77 | 53.10 | 6.83  | 34.43   | 33.13  | 121   | 201   | Peak    | HORIZONTAL |
| 4 | 5725.60 | 48.21  | 54.00  | -5.79  | 40.08 | 6.83  | 34.43   | 33.13  | 121   | 201   | 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<br>CH 151, 159 / Chain 1 + Chain 2 |
| Test Date     | Aug. 07, 2015                                |                |                                                                  |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                  |

#### Channel 151

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | Cable<br>Loss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|---------------|---------------|---------------|---------------|-------------------|------------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m        | dB            | dBuV          | dB            | dB/m              | dB               | cm    | deg   |         |           |
| 1 | 5713.00 | 67.26  | 74.00         | -6.74         | 59.14         | 6.83          | 34.42             | 33.13            | 198   | 325   | Peak    | VERTICAL  |
| 2 | 5713.40 | 52.78  | 54.00         | -1.22         | 44.66         | 6.83          | 34.42             | 33.13            | 198   | 325   | Average | VERTICAL  |
| 3 | 5719.00 | 71.68  | 78.20         | -6.52         | 63.55         | 6.83          | 34.43             | 33.13            | 198   | 325   | Peak    | VERTICAL  |
| 4 | 5767.00 | 107.78 |               |               | 99.59         | 6.88          | 34.46             | 33.15            | 198   | 325   | Peak    | VERTICAL  |
| 5 | 5767.40 | 97.05  |               |               | 88.86         | 6.88          | 34.46             | 33.15            | 198   | 325   | Average | VERTICAL  |

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

#### Channel 159

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|---------------|---------------|---------------|----------------------|------------------|------------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m             | dB               | cm    | deg   |         |           |
| 1 | 5707.00 | 49.88  | 54.00         | -4.12         | 41.76         | 6.83                 | 34.42            | 33.13            | 196   | 322   | Average | VERTICAL  |
| 2 | 5713.40 | 63.11  | 74.00         | -10.89        | 54.99         | 6.83                 | 34.42            | 33.13            | 196   | 322   | Peak    | VERTICAL  |
| 3 | 5720.20 | 63.56  | 78.20         | -14.64        | 55.43         | 6.83                 | 34.43            | 33.13            | 196   | 322   | Peak    | VERTICAL  |
| 4 | 5785.00 | 109.23 |               |               | 101.02        | 6.90                 | 34.47            | 33.16            | 196   | 322   | Peak    | VERTICAL  |
| 5 | 5787.00 | 98.94  |               |               | 90.72         | 6.90                 | 34.48            | 33.16            | 196   | 322   | Average | VERTICAL  |
| 6 | 5853.40 | 71.33  | 78.20         | -6.87         | 63.04         | 6.95                 | 34.51            | 33.17            | 196   | 322   | Peak    | VERTICAL  |
| 7 | 5861.80 | 52.65  | 54.00         | -1.35         | 44.34         | 6.97                 | 34.52            | 33.18            | 196   | 322   | Average | VERTICAL  |
| 8 | 5863.00 | 68.71  | 74.00         | -5.29         | 60.40         | 6.97                 | 34.52            | 33.18            | 196   | 322   | 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<br>CH 42, 58 / Chain 1 + Chain 2 |
| Test Date     | Aug. 07, 2015                                |                |                                                                |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                |

#### Channel 42

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5138.00 | 52.54  | 54.00  | -1.46  | 45.71 | 6.17  | 33.71   | 33.05  | 194   | 248   | Average | VERTICAL  |
| 2 | 5147.00 | 68.71  | 74.00  | -5.29  | 61.81 | 6.21  | 33.74   | 33.05  | 194   | 248   | Peak    | VERTICAL  |
| 3 | 5179.00 | 105.74 |        |        | 98.76 | 6.24  | 33.79   | 33.05  | 194   | 248   | Peak    | VERTICAL  |
| 4 | 5221.00 | 94.96  |        |        | 87.86 | 6.30  | 33.85   | 33.05  | 194   | 248   | Average | VERTICAL  |
| 5 | 5351.00 | 60.25  | 74.00  | -13.75 | 52.78 | 6.47  | 34.06   | 33.06  | 194   | 248   | Peak    | VERTICAL  |
| 6 | 5354.00 | 48.60  | 54.00  | -5.40  | 41.13 | 6.47  | 34.06   | 33.06  | 194   | 248   | Average | VERTICAL  |

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

#### Channel 58

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5085.00 | 57.84  | 74.00  | -16.16 | 51.15 | 6.11  | 33.63   | 33.05  | 195   | 327   | Peak    | VERTICAL  |
| 2 | 5132.00 | 47.20  | 54.00  | -6.80  | 40.37 | 6.17  | 33.71   | 33.05  | 195   | 327   | Average | VERTICAL  |
| 3 | 5300.00 | 94.09  |        |        | 86.77 | 6.40  | 33.98   | 33.06  | 195   | 327   | Average | VERTICAL  |
| 4 | 5304.00 | 103.83 |        |        | 96.51 | 6.40  | 33.98   | 33.06  | 195   | 327   | Peak    | VERTICAL  |
| 5 | 5350.00 | 52.74  | 54.00  | -1.26  | 45.27 | 6.47  | 34.06   | 33.06  | 195   | 327   | Average | VERTICAL  |
| 6 | 5354.00 | 67.47  | 74.00  | -6.53  | 60.00 | 6.47  | 34.06   | 33.06  | 195   | 327   | 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<br>CH 106, 122, 155 / Chain 1 + Chain 2 |
| Test Date     | Aug. 07, 2015                                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5454.00 | 52.16  | 54.00  | -1.84  | 44.40 | 6.60  | 34.22   | 33.06  | 175   | 246   | Average | VERTICAL  |
| 2 | 5454.00 | 67.70  | 74.00  | -6.30  | 59.94 | 6.60  | 34.22   | 33.06  | 175   | 246   | Peak    | VERTICAL  |
| 3 | 5466.00 | 68.94  | 74.00  | -5.06  | 61.15 | 6.60  | 34.25   | 33.06  | 175   | 246   | Peak    | VERTICAL  |
| 4 | 5470.00 | 52.55  | 54.00  | -1.45  | 44.76 | 6.60  | 34.25   | 33.06  | 175   | 246   | Average | VERTICAL  |
| 5 | 5517.00 | 95.45  |        |        | 87.56 | 6.65  | 34.31   | 33.07  | 175   | 246   | Average | VERTICAL  |
| 6 | 5521.00 | 104.05 |        |        | 96.16 | 6.65  | 34.31   | 33.07  | 175   | 246   | Peak    | VERTICAL  |
| 7 | 5753.00 | 60.46  | 74.00  | -13.54 | 52.28 | 6.86  | 34.46   | 33.14  | 175   | 246   | Peak    | VERTICAL  |
| 8 | 5772.00 | 48.75  | 54.00  | -5.25  | 40.55 | 6.88  | 34.47   | 33.15  | 175   | 246   | Average | VERTICAL  |

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

#### Channel 122

|   | Freq    | Level  | Limit  | Over  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5458.00 | 65.68  | 74.00  | -8.32 | 57.92 | 6.60  | 34.22   | 33.06  | 174   | 36    | Peak    | VERTICAL  |
| 2 | 5460.00 | 52.67  | 54.00  | -1.33 | 44.91 | 6.60  | 34.22   | 33.06  | 174   | 36    | Average | VERTICAL  |
| 3 | 5462.00 | 64.67  | 68.20  | -3.53 | 56.91 | 6.60  | 34.22   | 33.06  | 174   | 36    | Peak    | VERTICAL  |
| 4 | 5584.00 | 107.58 |        |       | 99.60 | 6.72  | 34.35   | 33.09  | 174   | 36    | Peak    | VERTICAL  |
| 5 | 5585.00 | 99.53  |        |       | 91.55 | 6.72  | 34.35   | 33.09  | 174   | 36    | Average | VERTICAL  |
| 6 | 5728.00 | 67.15  | 68.20  | -1.05 | 59.02 | 6.83  | 34.43   | 33.13  | 174   | 36    | Average | VERTICAL  |

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

#### Channel 155

|   | Freq    | Level  | Limit  | Over  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5712.00 | 67.76  | 74.00  | -6.24 | 59.64 | 6.83  | 34.42   | 33.13  | 355   | 355   | Peak    | VERTICAL  |
| 2 | 5713.00 | 52.37  | 54.00  | -1.63 | 44.25 | 6.83  | 34.42   | 33.13  | 203   | 355   | Average | VERTICAL  |
| 3 | 5722.00 | 71.85  | 78.20  | -6.35 | 63.72 | 6.83  | 34.43   | 33.13  | 203   | 355   | Peak    | VERTICAL  |
| 4 | 5801.00 | 92.94  |        |       | 84.72 | 6.90  | 34.48   | 33.16  | 203   | 355   | Average | VERTICAL  |
| 5 | 5809.00 | 102.42 |        |       | 94.17 | 6.92  | 34.49   | 33.16  | 203   | 355   | Peak    | VERTICAL  |
| 6 | 5850.00 | 70.34  | 78.20  | -7.86 | 62.05 | 6.95  | 34.51   | 33.17  | 203   | 355   | Peak    | VERTICAL  |
| 7 | 5863.00 | 67.32  | 74.00  | -6.68 | 59.01 | 6.97  | 34.52   | 33.18  | 203   | 355   | Peak    | VERTICAL  |
| 8 | 5870.00 | 52.81  | 54.00  | -1.19 | 44.50 | 6.97  | 34.52   | 33.18  | 203   | 355   | Average | 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<br>CH 144 / Chain 1 + Chain 2 |
| Test Date     | Aug. 06, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                             |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | 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 | 107.43 |        |       | 99.31  | 6.83  | 34.42   | 33.13  | 168   | 330   | Average | VERTICAL  |
| 2 | 5714.00 | 117.75 |        |       | 109.63 | 6.83  | 34.42   | 33.13  | 168   | 330   | Peak    | VERTICAL  |
| 3 | 5851.40 | 63.04  | 68.20  | -5.16 | 54.75  | 6.95  | 34.51   | 33.17  | 168   | 330   | 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<br>CH 142 / Chain 1 + Chain 2 |
| Test Date     | Aug. 07, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                             |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preampl | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|---------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB      | cm    | deg   |         |           |
| 1 | 5696.40 | 102.58 |        |       | 94.48  | 6.81  | 34.41   | 33.12   | 184   | 333   | Average | VERTICAL  |
| 2 | 5702.80 | 112.62 |        |       | 104.51 | 6.81  | 34.42   | 33.12   | 184   | 333   | Peak    | VERTICAL  |
| 3 | 5878.80 | 65.11  | 68.20  | -3.09 | 56.79  | 6.97  | 34.53   | 33.18   | 184   | 333   | 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<br>CH 138 / Chain 1 + Chain 2 |
| Test Date     | Aug. 07, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                             |

#### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read  | 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 | 97.11  |        |       | 89.01 | 6.81  | 34.41   | 33.12  | 210   | 321   | Average | VERTICAL  |
| 2 | 5704.00 | 106.44 |        |       | 98.33 | 6.81  | 34.42   | 33.12  | 210   | 321   | Peak    | VERTICAL  |
| 3 | 5854.00 | 66.83  | 68.20  | -1.37 | 58.53 | 6.95  | 34.52   | 33.17  | 210   | 321   | 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

## &lt;For STBC Mode&gt;

|               |                                               |                |                                                                    |
|---------------|-----------------------------------------------|----------------|--------------------------------------------------------------------|
| Temperature   | 23°C                                          | Humidity       | 61%                                                                |
| Test Engineer | Paul Chen                                     | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20<br>CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date     | Jul. 16, 2015                                 |                |                                                                    |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                    |

## Channel 36

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5149.55 | 69.83  | 74.00  | -4.17 | 66.77  | 4.26  | 33.27   | 34.47  | 313   | 140   | Peak    | VERTICAL  |
| 2 | 5150.00 | 52.64  | 54.00  | -1.36 | 49.58  | 4.26  | 33.27   | 34.47  | 313   | 140   | Average | VERTICAL  |
| 3 | 5177.76 | 103.28 |        |       | 100.15 | 4.27  | 33.33   | 34.47  | 313   | 140   | Average | VERTICAL  |
| 4 | 5178.56 | 114.06 |        |       | 110.93 | 4.27  | 33.33   | 34.47  | 313   | 140   | Peak    | VERTICAL  |

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

## Channel 40

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5149.04 | 67.76  | 74.00  | -6.24 | 64.70  | 4.26  | 33.27   | 34.47  | 313   | 138   | Peak    | VERTICAL  |
| 2 | 5150.00 | 52.64  | 54.00  | -1.36 | 49.58  | 4.26  | 33.27   | 34.47  | 313   | 138   | Average | VERTICAL  |
| 3 | 5197.76 | 106.90 |        |       | 103.73 | 4.28  | 33.36   | 34.47  | 313   | 138   | Average | VERTICAL  |
| 4 | 5201.92 | 118.30 |        |       | 115.13 | 4.28  | 33.36   | 34.47  | 313   | 138   | Peak    | VERTICAL  |

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

## Channel 48

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5117.89 | 50.21  | 54.00  | -3.79  | 47.23  | 4.24  | 33.21   | 34.47  | 312   | 161   | Average | VERTICAL  |
| 2 | 5122.21 | 61.75  | 74.00  | -12.25 | 58.77  | 4.24  | 33.21   | 34.47  | 312   | 161   | Peak    | VERTICAL  |
| 3 | 5237.60 | 109.11 |        |        | 105.86 | 4.30  | 33.42   | 34.47  | 312   | 161   | Average | VERTICAL  |
| 4 | 5241.92 | 119.09 |        |        | 115.81 | 4.30  | 33.45   | 34.47  | 312   | 161   | Peak    | VERTICAL  |
| 5 | 5357.79 | 51.30  | 54.00  | -2.70  | 47.79  | 4.35  | 33.63   | 34.47  | 312   | 161   | Average | VERTICAL  |
| 6 | 5366.44 | 63.38  | 74.00  | -10.62 | 59.83  | 4.36  | 33.66   | 34.47  | 312   | 161   | 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<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date     | Jul. 16, 2015                                 |                |                                                                    |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                    |

### Channel 52

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5133.56 | 63.17  | 74.00  | -10.83 | 60.15  | 4.25  | 33.24   | 34.47  | 314   | 155   | Peak    | VERTICAL  |
| 2 | 5137.89 | 50.76  | 54.00  | -3.24  | 47.74  | 4.25  | 33.24   | 34.47  | 314   | 155   | Average | VERTICAL  |
| 3 | 5257.60 | 120.83 |        |        | 117.55 | 4.30  | 33.45   | 34.47  | 314   | 155   | Peak    | VERTICAL  |
| 4 | 5257.60 | 109.47 |        |        | 106.19 | 4.30  | 33.45   | 34.47  | 314   | 155   | Average | VERTICAL  |
| 5 | 5377.79 | 52.81  | 54.00  | -1.19  | 49.22  | 4.37  | 33.69   | 34.47  | 314   | 155   | Average | VERTICAL  |
| 6 | 5380.67 | 64.48  | 74.00  | -9.52  | 60.89  | 4.37  | 33.69   | 34.47  | 314   | 155   | Peak    | VERTICAL  |

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

### Channel 60

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5297.76 | 119.41 |        |       | 116.01 | 4.33  | 33.54   | 34.47  | 313   | 160   | Peak    | VERTICAL  |
| 2 | 5297.76 | 108.55 |        |       | 105.15 | 4.33  | 33.54   | 34.47  | 313   | 160   | Average | VERTICAL  |
| 3 | 5350.32 | 66.87  | 74.00  | -7.13 | 63.36  | 4.35  | 33.63   | 34.47  | 313   | 160   | Peak    | VERTICAL  |
| 4 | 5377.89 | 52.74  | 54.00  | -1.26 | 49.15  | 4.37  | 33.69   | 34.47  | 313   | 160   | Average | VERTICAL  |

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

### Channel 64

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5317.76 | 104.78 |        |       | 101.35 | 4.33  | 33.57   | 34.47  | 313   | 168   | Average | VERTICAL  |
| 2 | 5322.56 | 115.75 |        |       | 112.32 | 4.33  | 33.57   | 34.47  | 313   | 168   | Peak    | VERTICAL  |
| 3 | 5350.00 | 52.55  | 54.00  | -1.45 | 49.04  | 4.35  | 33.63   | 34.47  | 313   | 168   | Average | VERTICAL  |
| 4 | 5352.05 | 68.19  | 74.00  | -5.81 | 64.68  | 4.35  | 33.63   | 34.47  | 313   | 168   | 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<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date     | Jul. 16, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

#### Channel 100

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5460.00 | 65.59  | 74.00  | -8.41 | 61.85  | 4.40  | 33.81   | 34.47  | 49    | 174   | Peak    | VERTICAL  |
| 2 | 5460.00 | 47.41  | 54.00  | -6.59 | 43.67  | 4.40  | 33.81   | 34.47  | 49    | 174   | Average | VERTICAL  |
| 3 | 5468.91 | 69.64  | 74.00  | -4.36 | 65.86  | 4.41  | 33.84   | 34.47  | 49    | 174   | Peak    | VERTICAL  |
| 4 | 5470.00 | 52.67  | 54.00  | -1.33 | 48.89  | 4.41  | 33.84   | 34.47  | 49    | 174   | Average | VERTICAL  |
| 5 | 5493.43 | 104.24 |        |       | 100.43 | 4.41  | 33.87   | 34.47  | 49    | 174   | Average | VERTICAL  |
| 6 | 5499.36 | 116.58 |        |       | 112.73 | 4.42  | 33.90   | 34.47  | 49    | 174   | Peak    | VERTICAL  |

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

#### Channel 116

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5458.21 | 52.19  | 54.00  | -1.81  | 48.45  | 4.40  | 33.81   | 34.47  | 37    | 183   | Average | VERTICAL  |
| 2 | 5459.49 | 64.80  | 74.00  | -9.20  | 61.06  | 4.40  | 33.81   | 34.47  | 37    | 183   | Peak    | VERTICAL  |
| 3 | 5462.05 | 52.98  | 54.00  | -1.02  | 49.24  | 4.40  | 33.81   | 34.47  | 37    | 183   | Average | VERTICAL  |
| 4 | 5464.62 | 64.35  | 74.00  | -9.65  | 60.57  | 4.41  | 33.84   | 34.47  | 37    | 183   | Peak    | VERTICAL  |
| 5 | 5581.92 | 119.50 |        |        | 115.38 | 4.45  | 34.16   | 34.49  | 37    | 183   | Peak    | VERTICAL  |
| 6 | 5581.92 | 107.90 |        |        | 103.78 | 4.45  | 34.16   | 34.49  | 37    | 183   | Average | VERTICAL  |
| 7 | 5738.97 | 61.87  | 74.00  | -12.13 | 57.27  | 4.50  | 34.62   | 34.52  | 37    | 183   | Peak    | VERTICAL  |
| 8 | 5742.18 | 49.83  | 54.00  | -4.17  | 45.23  | 4.50  | 34.62   | 34.52  | 37    | 183   | Average | VERTICAL  |

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

#### Channel 140

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5697.76 | 102.25 |        |       | 97.80  | 4.49  | 34.47   | 34.51  | 307   | 148   | Average | VERTICAL  |
| 2 | 5698.72 | 113.65 |        |       | 109.20 | 4.49  | 34.47   | 34.51  | 307   | 148   | Peak    | VERTICAL  |
| 3 | 5725.00 | 51.37  | 54.00  | -2.63 | 46.81  | 4.50  | 34.57   | 34.51  | 307   | 148   | Average | VERTICAL  |
| 4 | 5725.48 | 72.84  | 74.00  | -1.16 | 68.28  | 4.50  | 34.57   | 34.51  | 307   | 148   | 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<br>CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date     | Jul. 16, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

#### Channel 149

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5714.23 | 67.07  | 68.20  | -1.13 | 62.57  | 4.49  | 34.52   | 34.51  | 309   | 146   | Peak    | VERTICAL  |
| 2 | 5723.85 | 77.15  | 78.20  | -1.05 | 72.59  | 4.50  | 34.57   | 34.51  | 309   | 146   | Peak    | VERTICAL  |
| 3 | 5742.76 | 102.87 |        |       | 98.27  | 4.50  | 34.62   | 34.52  | 309   | 146   | Average | VERTICAL  |
| 4 | 5745.96 | 114.07 |        |       | 109.47 | 4.50  | 34.62   | 34.52  | 309   | 146   | Peak    | VERTICAL  |

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

#### Channel 157

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5709.68 | 65.95  | 68.20  | -2.25 | 61.45  | 4.49  | 34.52   | 34.51  | 310   | 158   | Peak    | VERTICAL  |
| 2 | 5724.10 | 69.36  | 78.20  | -8.84 | 64.80  | 4.50  | 34.57   | 34.51  | 310   | 158   | Peak    | VERTICAL  |
| 3 | 5782.76 | 107.82 |        |       | 103.10 | 4.52  | 34.73   | 34.53  | 310   | 158   | Average | VERTICAL  |
| 4 | 5786.28 | 119.32 |        |       | 114.55 | 4.52  | 34.78   | 34.53  | 310   | 158   | Peak    | VERTICAL  |
| 5 | 5850.64 | 68.92  | 78.20  | -9.28 | 63.99  | 4.54  | 34.93   | 34.54  | 310   | 158   | Peak    | VERTICAL  |
| 6 | 5861.28 | 66.98  | 68.20  | -1.22 | 61.98  | 4.55  | 34.99   | 34.54  | 310   | 158   | Peak    | VERTICAL  |

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

#### Channel 165

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5822.28 | 114.17 |        |       | 109.29 | 4.53  | 34.88   | 34.53  | 308   | 169   | Peak    | VERTICAL  |
| 2 | 5824.04 | 102.62 |        |       | 97.74  | 4.53  | 34.88   | 34.53  | 308   | 169   | Average | VERTICAL  |
| 3 | 5850.32 | 74.36  | 78.20  | -3.84 | 69.43  | 4.54  | 34.93   | 34.54  | 308   | 169   | Peak    | VERTICAL  |
| 4 | 5860.90 | 66.84  | 68.20  | -1.36 | 61.84  | 4.55  | 34.99   | 34.54  | 308   | 169   | 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<br>CH 38, 46 / Chain 1 + Chain 2 |
| Test Date     | Jul. 16, 2015                                 |                |                                                                |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                |

#### Channel 38

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 1 | 5148.40 | 70.40  | 74.00  | -3.60 | 63.50  | 6.21  | 33.74   | 33.05  | 140   | 35    | Peak    | VERTICAL  |
| 2 | 5148.80 | 52.71  | 54.00  | -1.29 | 45.81  | 6.21  | 33.74   | 33.05  | 140   | 35    | Average | VERTICAL  |
| 3 | 5186.80 | 97.79  |        |       | 90.81  | 6.24  | 33.79   | 33.05  | 140   | 35    | Average | VERTICAL  |
| 4 | 5203.60 | 108.45 |        |       | 101.41 | 6.27  | 33.82   | 33.05  | 140   | 35    | Peak    | 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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 1 | 5146.80 | 65.62  | 74.00  | -8.38 | 58.72  | 6.21  | 33.74   | 33.05  | 139   | 37    | Peak    | VERTICAL  |
| 2 | 5148.00 | 52.35  | 54.00  | -1.65 | 45.45  | 6.21  | 33.74   | 33.05  | 139   | 37    | Average | VERTICAL  |
| 3 | 5226.40 | 104.06 |        |       | 96.94  | 6.30  | 33.87   | 33.05  | 139   | 37    | Average | VERTICAL  |
| 4 | 5234.80 | 114.74 |        |       | 107.62 | 6.30  | 33.87   | 33.05  | 139   | 37    | 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<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date     | Jul. 16, 2015 ~ Jul. 17, 2015                 |                |                                                                |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                |

#### Channel 54

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5266.40 | 103.01 |        |       | 95.80  | 6.34  | 33.93   | 33.06  | 137   | 32    | Average | VERTICAL  |
| 2 | 5266.40 | 114.11 |        |       | 106.90 | 6.34  | 33.93   | 33.06  | 137   | 32    | Peak    | VERTICAL  |
| 3 | 5350.80 | 52.72  | 54.00  | -1.28 | 45.25  | 6.47  | 34.06   | 33.06  | 137   | 32    | Average | VERTICAL  |
| 4 | 5352.00 | 65.30  | 74.00  | -8.70 | 57.83  | 6.47  | 34.06   | 33.06  | 137   | 32    | 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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5313.20 | 97.91  |        |       | 90.56  | 6.40  | 34.01   | 33.06  | 138   | 46    | Average | VERTICAL  |
| 2 | 5313.60 | 109.48 |        |       | 102.13 | 6.40  | 34.01   | 33.06  | 138   | 46    | Peak    | VERTICAL  |
| 3 | 5350.00 | 52.89  | 54.00  | -1.11 | 45.42  | 6.47  | 34.06   | 33.06  | 138   | 46    | Average | VERTICAL  |
| 4 | 5352.00 | 71.20  | 74.00  | -2.80 | 63.73  | 6.47  | 34.06   | 33.06  | 138   | 46    | 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<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date     | Jul. 17, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

#### Channel 102

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5458.40 | 64.94  | 74.00  | -9.06 | 57.18  | 6.60  | 34.22   | 33.06  | 150   | 48    | Peak    | VERTICAL  |
| 2 | 5460.00 | 50.89  | 54.00  | -3.11 | 43.13  | 6.60  | 34.22   | 33.06  | 150   | 48    | Average | VERTICAL  |
| 3 | 5468.80 | 69.57  | 74.00  | -4.43 | 61.78  | 6.60  | 34.25   | 33.06  | 150   | 48    | Peak    | VERTICAL  |
| 4 | 5470.00 | 52.86  | 54.00  | -1.14 | 45.07  | 6.60  | 34.25   | 33.06  | 150   | 48    | Average | VERTICAL  |
| 5 | 5513.60 | 99.74  |        |       | 91.85  | 6.65  | 34.31   | 33.07  | 150   | 48    | Average | VERTICAL  |
| 6 | 5515.20 | 110.82 |        |       | 102.93 | 6.65  | 34.31   | 33.07  | 150   | 48    | 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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5457.20 | 64.39  | 74.00  | -9.61 | 56.63  | 6.60  | 34.22   | 33.06  | 122   | 41    | Peak    | VERTICAL  |
| 2 | 5457.60 | 51.83  | 54.00  | -2.17 | 44.07  | 6.60  | 34.22   | 33.06  | 122   | 41    | Average | VERTICAL  |
| 3 | 5466.40 | 52.85  | 54.00  | -1.15 | 45.06  | 6.60  | 34.25   | 33.06  | 122   | 41    | Average | VERTICAL  |
| 4 | 5468.00 | 67.97  | 74.00  | -6.03 | 60.18  | 6.60  | 34.25   | 33.06  | 122   | 41    | Peak    | VERTICAL  |
| 5 | 5546.40 | 102.24 |        |       | 94.32  | 6.68  | 34.32   | 33.08  | 122   | 41    | Average | VERTICAL  |
| 6 | 5553.20 | 113.61 |        |       | 105.66 | 6.70  | 34.33   | 33.08  | 122   | 41    | 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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5666.40 | 99.58  |        |       | 91.52  | 6.79  | 34.39   | 33.12  | 120   | 39    | Average | VERTICAL  |
| 2 | 5674.80 | 110.19 |        |       | 102.12 | 6.79  | 34.40   | 33.12  | 120   | 39    | Peak    | VERTICAL  |
| 3 | 5725.00 | 52.63  | 54.00  | -1.37 | 44.50  | 6.83  | 34.43   | 33.13  | 120   | 39    | Average | VERTICAL  |
| 4 | 5728.00 | 70.68  | 74.00  | -3.32 | 62.55  | 6.83  | 34.43   | 33.13  | 120   | 39    | 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<br>CH 151, 159 / Chain 1 + Chain 2 |
| Test Date     | Jul. 17, 2015                                 |                |                                                                  |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                  |

#### Channel 151

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5708.20 | 67.08  | 68.20  | -1.12 | 58.96  | 6.83  | 34.42   | 33.13  | 149   | 42    | Peak    | VERTICAL  |
| 2 | 5722.60 | 72.40  | 78.20  | -5.80 | 64.27  | 6.83  | 34.43   | 33.13  | 149   | 42    | Peak    | VERTICAL  |
| 3 | 5768.80 | 108.46 |        |       | 100.26 | 6.88  | 34.47   | 33.15  | 149   | 42    | Peak    | VERTICAL  |
| 4 | 5771.80 | 97.24  |        |       | 89.04  | 6.88  | 34.47   | 33.15  | 149   | 42    | Average | VERTICAL  |

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

#### Channel 159

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5714.60 | 63.26  | 68.20  | -4.94  | 55.14  | 6.83  | 34.42   | 33.13  | 136   | 302   | Peak    | VERTICAL  |
| 2 | 5720.60 | 64.96  | 78.20  | -13.24 | 56.83  | 6.83  | 34.43   | 33.13  | 136   | 302   | Peak    | VERTICAL  |
| 3 | 5798.60 | 99.22  |        |        | 91.00  | 6.90  | 34.48   | 33.16  | 136   | 302   | Average | VERTICAL  |
| 4 | 5800.60 | 110.84 |        |        | 102.62 | 6.90  | 34.48   | 33.16  | 136   | 302   | Peak    | VERTICAL  |
| 5 | 5859.80 | 70.20  | 78.20  | -8.00  | 61.89  | 6.97  | 34.52   | 33.18  | 136   | 302   | Peak    | VERTICAL  |
| 6 | 5879.40 | 66.92  | 68.20  | -1.28  | 58.60  | 6.97  | 34.53   | 33.18  | 136   | 302   | 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<br>CH 42, 58 / Chain 1 + Chain 2 |
| Test Date     | Jul. 17, 2015                                 |                |                                                                |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                |

#### Channel 42

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5149.00 | 52.72  | 54.00  | -1.28  | 45.82  | 6.21  | 33.74   | 33.05  | 131   | 34    | Average | VERTICAL  |
| 2 | 5149.00 | 67.09  | 74.00  | -6.91  | 60.19  | 6.21  | 33.74   | 33.05  | 131   | 34    | Peak    | VERTICAL  |
| 3 | 5239.00 | 107.73 |        |        | 100.61 | 6.30  | 33.87   | 33.05  | 131   | 34    | Peak    | VERTICAL  |
| 4 | 5242.00 | 95.65  |        |        | 88.50  | 6.30  | 33.90   | 33.05  | 131   | 34    | Average | VERTICAL  |
| 5 | 5350.00 | 48.31  | 54.00  | -5.69  | 40.84  | 6.47  | 34.06   | 33.06  | 131   | 34    | Average | VERTICAL  |
| 6 | 5361.00 | 62.21  | 74.00  | -11.79 | 54.71  | 6.47  | 34.09   | 33.06  | 131   | 34    | Peak    | VERTICAL  |

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

#### Channel 58

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5086.00 | 48.24  | 54.00  | -5.76  | 41.55 | 6.11  | 33.63   | 33.05  | 114   | 32    | Average | VERTICAL  |
| 2 | 5103.00 | 60.73  | 74.00  | -13.27 | 53.98 | 6.14  | 33.66   | 33.05  | 114   | 32    | Peak    | VERTICAL  |
| 3 | 5299.00 | 105.22 |        |        | 97.90 | 6.40  | 33.98   | 33.06  | 114   | 32    | Peak    | VERTICAL  |
| 4 | 5302.00 | 94.87  |        |        | 87.55 | 6.40  | 33.98   | 33.06  | 114   | 32    | Average | VERTICAL  |
| 5 | 5351.00 | 52.96  | 54.00  | -1.04  | 45.49 | 6.47  | 34.06   | 33.06  | 114   | 32    | Average | VERTICAL  |
| 6 | 5351.00 | 65.76  | 74.00  | -8.24  | 58.29 | 6.47  | 34.06   | 33.06  | 114   | 32    | 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<br>CH 106, 122, 155 / Chain 1 + Chain 2 |
| Test Date     | Jul. 17, 2015                                 |                |                                                                       |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                                       |

### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5439.00 | 52.57  | 54.00  | -1.43  | 44.88 | 6.56  | 34.19   | 33.06  | 128   | 44    | Average | VERTICAL  |
| 2 | 5460.00 | 68.11  | 74.00  | -5.89  | 60.35 | 6.60  | 34.22   | 33.06  | 128   | 44    | Peak    | VERTICAL  |
| 3 | 5469.00 | 69.93  | 74.00  | -4.07  | 62.14 | 6.60  | 34.25   | 33.06  | 128   | 44    | Peak    | VERTICAL  |
| 4 | 5470.00 | 52.88  | 54.00  | -1.12  | 45.09 | 6.60  | 34.25   | 33.06  | 128   | 44    | Average | VERTICAL  |
| 5 | 5522.00 | 106.46 |        |        | 98.57 | 6.65  | 34.31   | 33.07  | 128   | 44    | Peak    | VERTICAL  |
| 6 | 5527.00 | 95.37  |        |        | 87.46 | 6.68  | 34.31   | 33.08  | 128   | 44    | Average | VERTICAL  |
| 7 | 5749.00 | 49.57  | 54.00  | -4.43  | 41.41 | 6.86  | 34.44   | 33.14  | 128   | 44    | Average | VERTICAL  |
| 8 | 5765.00 | 61.69  | 74.00  | -12.31 | 53.50 | 6.88  | 34.46   | 33.15  | 128   | 44    | Peak    | VERTICAL  |

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

### Channel 122

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5458.00 | 51.42  | 54.00  | -2.58  | 43.66 | 6.60  | 34.22   | 33.06  | 133   | 37    | Average | VERTICAL  |
| 2 | 5460.00 | 61.72  | 74.00  | -12.28 | 53.96 | 6.60  | 34.22   | 33.06  | 133   | 37    | Peak    | VERTICAL  |
| 3 | 5469.00 | 51.49  | 54.00  | -2.51  | 43.70 | 6.60  | 34.25   | 33.06  | 133   | 37    | Average | VERTICAL  |
| 4 | 5470.00 | 62.86  | 74.00  | -11.14 | 55.07 | 6.60  | 34.25   | 33.06  | 133   | 37    | Peak    | VERTICAL  |
| 5 | 5587.00 | 96.86  |        |        | 88.88 | 6.72  | 34.35   | 33.09  | 133   | 37    | Average | VERTICAL  |
| 6 | 5599.00 | 107.00 |        |        | 99.01 | 6.72  | 34.36   | 33.09  | 133   | 37    | Peak    | VERTICAL  |
| 7 | 5725.00 | 52.73  | 54.00  | -1.27  | 44.60 | 6.83  | 34.43   | 33.13  | 133   | 37    | Average | VERTICAL  |
| 8 | 5728.00 | 67.34  | 74.00  | -6.66  | 59.21 | 6.83  | 34.43   | 33.13  | 133   | 37    | Peak    | VERTICAL  |

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

### Channel 155

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5715.00 | 67.00  | 68.20  | -1.20  | 58.88 | 6.83  | 34.42   | 33.13  | 151   | 36    | Peak    | VERTICAL  |
| 2 | 5724.00 | 73.86  | 78.20  | -4.34  | 65.73 | 6.83  | 34.43   | 33.13  | 151   | 36    | Peak    | VERTICAL  |
| 3 | 5764.00 | 105.75 |        |        | 97.56 | 6.88  | 34.46   | 33.15  | 151   | 36    | Peak    | VERTICAL  |
| 4 | 5772.00 | 94.68  |        |        | 86.48 | 6.88  | 34.47   | 33.15  | 151   | 36    | Average | VERTICAL  |
| 5 | 5850.00 | 65.82  | 78.20  | -12.38 | 57.53 | 6.95  | 34.51   | 33.17  | 151   | 36    | Peak    | VERTICAL  |
| 6 | 5869.00 | 66.91  | 68.20  | -1.29  | 58.60 | 6.97  | 34.52   | 33.18  | 151   | 36    | 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<br>CH 144 / Chain 1 + Chain 2 |
| Test Date     | Jul. 16, 2015                                 |                |                                                             |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                             |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | T/Pos | A/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | deg   | cm    |         |           |
| 1 | 5718.72 | 121.96 |        |       | 117.40 | 4.50  | 34.57   | 34.51  | 43    | 159   | Peak    | VERTICAL  |
| 2 | 5721.92 | 111.38 |        |       | 106.82 | 4.50  | 34.57   | 34.51  | 43    | 159   | Average | VERTICAL  |
| 3 | 5851.41 | 63.88  | 68.20  | -4.32 | 58.95  | 4.54  | 34.93   | 34.54  | 43    | 159   | 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<br>CH 142 / Chain 1 + Chain 2 |
| Test Date     | Jul. 17, 2015                                 |                |                                                             |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                             |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 1 | 5696.20 | 116.77 |        |       | 108.67 | 6.81  | 34.41   | 33.12  | 123   | 40    | Peak    | VERTICAL  |
| 2 | 5706.40 | 106.32 |        |       | 98.20  | 6.83  | 34.42   | 33.13  | 123   | 40    | Average | VERTICAL  |
| 3 | 5855.20 | 66.92  | 68.20  | -1.28 | 58.62  | 6.95  | 34.52   | 33.17  | 123   | 40    | 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<br>CH 138 / Chain 1 + Chain 2 |
| Test Date     | Jul. 17, 2015                                 |                |                                                             |
| Test Mode     | Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX) |                |                                                             |

#### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5683.00 | 110.83 |        |       | 102.74 | 6.81  | 34.40   | 33.12  | 129   | 39    | Peak    | VERTICAL  |
| 2 | 5687.00 | 100.66 |        |       | 92.56  | 6.81  | 34.41   | 33.12  | 129   | 39    | Average | VERTICAL  |
| 3 | 5858.00 | 67.18  | 68.20  | -1.02 | 58.87  | 6.97  | 34.52   | 33.18  | 129   | 39    | 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<br>CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                                    |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                    |

#### Channel 36

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |            |
| 1 | 5067.50 | 61.02  | 74.00  | -12.98 | 54.35  | 6.11  | 33.61   | 33.05  | 166   | 342   | Peak    | HORIZONTAL |
| 2 | 5150.00 | 52.79  | 54.00  | -1.21  | 45.89  | 6.21  | 33.74   | 33.05  | 166   | 342   | Average | HORIZONTAL |
| 3 | 5178.08 | 102.75 |        |        | 95.77  | 6.24  | 33.79   | 33.05  | 166   | 342   | Average | HORIZONTAL |
| 4 | 5180.96 | 113.38 |        |        | 106.40 | 6.24  | 33.79   | 33.05  | 166   | 342   | 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  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |            |
| 1 | 5143.27 | 68.26  | 74.00  | -5.74 | 61.40  | 6.17  | 33.74   | 33.05  | 155   | 342   | Peak    | HORIZONTAL |
| 2 | 5150.00 | 52.51  | 54.00  | -1.49 | 45.61  | 6.21  | 33.74   | 33.05  | 155   | 342   | Average | HORIZONTAL |
| 3 | 5200.96 | 105.99 |        |       | 98.95  | 6.27  | 33.82   | 33.05  | 155   | 342   | Average | HORIZONTAL |
| 4 | 5202.89 | 118.14 |        |       | 111.10 | 6.27  | 33.82   | 33.05  | 155   | 342   | 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  |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |            |
| 1 | 5118.85 | 60.90  | 74.00  | -13.10 | 54.09  | 6.17  | 33.69   | 33.05  | 163   | 342   | Peak    | HORIZONTAL |
| 2 | 5121.73 | 50.24  | 54.00  | -3.76  | 43.43  | 6.17  | 33.69   | 33.05  | 163   | 342   | Average | HORIZONTAL |
| 3 | 5238.08 | 104.95 |        |        | 97.83  | 6.30  | 33.87   | 33.05  | 163   | 342   | Average | HORIZONTAL |
| 4 | 5240.96 | 115.46 |        |        | 108.34 | 6.30  | 33.87   | 33.05  | 163   | 342   | Peak    | HORIZONTAL |
| 5 | 5353.46 | 61.79  | 74.00  | -12.21 | 54.32  | 6.47  | 34.06   | 33.06  | 163   | 342   | Peak    | HORIZONTAL |
| 6 | 5358.27 | 50.42  | 54.00  | -3.58  | 42.95  | 6.47  | 34.06   | 33.06  | 163   | 342   | 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<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                                    |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                    |

### Channel 52

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 5138.85 | 52.60  | 54.00  | -1.40 | 45.77  | 6.17         | 33.71  | 33.05  | 153   | 346 Average | HORIZONTAL |
| 2 | 5143.65 | 65.01  | 74.00  | -8.99 | 58.15  | 6.17         | 33.74  | 33.05  | 153   | 346 Peak    | HORIZONTAL |
| 3 | 5261.92 | 108.10 |        |       | 100.89 | 6.34         | 33.93  | 33.06  | 153   | 346 Average | HORIZONTAL |
| 4 | 5266.73 | 119.52 |        |       | 112.31 | 6.34         | 33.93  | 33.06  | 153   | 346 Peak    | HORIZONTAL |
| 5 | 5381.15 | 51.79  | 54.00  | -2.21 | 44.24  | 6.50         | 34.11  | 33.06  | 153   | 346 Average | HORIZONTAL |
| 6 | 5385.00 | 65.24  | 74.00  | -8.76 | 57.69  | 6.50         | 34.11  | 33.06  | 153   | 346 Peak    | HORIZONTAL |

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

### Channel 60

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 5299.04 | 105.48 |        |       | 98.16  | 6.40         | 33.98  | 33.06  | 159   | 351 Average | HORIZONTAL |
| 2 | 5302.89 | 117.02 |        |       | 109.70 | 6.40         | 33.98  | 33.06  | 159   | 351 Peak    | HORIZONTAL |
| 3 | 5350.00 | 52.98  | 54.00  | -1.02 | 45.51  | 6.47         | 34.06  | 33.06  | 159   | 351 Average | HORIZONTAL |
| 4 | 5352.89 | 66.93  | 74.00  | -7.07 | 59.46  | 6.47         | 34.06  | 33.06  | 159   | 351 Peak    | HORIZONTAL |

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

### Channel 64

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 5319.04 | 102.04 |        |       | 94.69  | 6.40         | 34.01  | 33.06  | 161   | 344 Average | HORIZONTAL |
| 2 | 5326.73 | 113.80 |        |       | 106.40 | 6.43         | 34.03  | 33.06  | 161   | 344 Peak    | HORIZONTAL |
| 3 | 5350.00 | 52.28  | 54.00  | -1.72 | 44.81  | 6.47         | 34.06  | 33.06  | 161   | 344 Average | HORIZONTAL |
| 4 | 5350.00 | 67.95  | 74.00  | -6.05 | 60.48  | 6.47         | 34.06  | 33.06  | 161   | 344 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<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

#### Channel 100

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 5341.35 | 49.96  | 54.00  | -4.04 | 42.56  | 6.43         | 34.03  | 33.06 | 159   | 352 Average | HORIZONTAL |
| 2 | 5460.00 | 65.32  | 74.00  | -8.68 | 57.56  | 6.60         | 34.22  | 33.06 | 159   | 352 Peak    | HORIZONTAL |
| 3 | 5470.00 | 52.29  | 54.00  | -1.71 | 44.50  | 6.60         | 34.25  | 33.06 | 159   | 352 Average | HORIZONTAL |
| 4 | 5470.00 | 72.50  | 74.00  | -1.50 | 64.71  | 6.60         | 34.25  | 33.06 | 159   | 352 Peak    | HORIZONTAL |
| 5 | 5498.08 | 102.67 |        |       | 94.80  | 6.63         | 34.30  | 33.06 | 159   | 352 Average | HORIZONTAL |
| 6 | 5500.96 | 114.53 |        |       | 106.65 | 6.65         | 34.30  | 33.07 | 159   | 352 Peak    | HORIZONTAL |

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

#### Channel 116

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 5417.50 | 52.33  | 54.00  | -1.67  | 44.69  | 6.53         | 34.17  | 33.06 | 160   | 355 Average | HORIZONTAL |
| 2 | 5457.89 | 64.65  | 74.00  | -9.35  | 56.89  | 6.60         | 34.22  | 33.06 | 160   | 355 Peak    | HORIZONTAL |
| 3 | 5460.77 | 66.53  | 74.00  | -7.47  | 58.77  | 6.60         | 34.22  | 33.06 | 160   | 355 Peak    | HORIZONTAL |
| 4 | 5460.96 | 52.11  | 54.00  | -1.89  | 44.35  | 6.60         | 34.22  | 33.06 | 160   | 355 Average | HORIZONTAL |
| 5 | 5580.00 | 120.42 |        |        | 112.45 | 6.72         | 34.34  | 33.09 | 160   | 355 Peak    | HORIZONTAL |
| 6 | 5581.92 | 109.52 |        |        | 101.54 | 6.72         | 34.35  | 33.09 | 160   | 355 Average | HORIZONTAL |
| 7 | 5738.65 | 52.50  | 54.00  | -1.50  | 44.34  | 6.86         | 34.44  | 33.14 | 160   | 355 Average | HORIZONTAL |
| 8 | 5812.69 | 63.39  | 74.00  | -10.61 | 55.14  | 6.92         | 34.49  | 33.16 | 160   | 355 Peak    | HORIZONTAL |

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

#### Channel 140

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 5699.04 | 101.01 |        |        | 92.91  | 6.81         | 34.41  | 33.12 | 159   | 355 Average | HORIZONTAL |
| 2 | 5699.04 | 112.59 |        |        | 104.49 | 6.81         | 34.41  | 33.12 | 159   | 355 Peak    | HORIZONTAL |
| 3 | 5725.00 | 52.87  | 54.00  | -1.13  | 44.74  | 6.83         | 34.43  | 33.13 | 159   | 355 Average | HORIZONTAL |
| 4 | 5825.96 | 61.96  | 74.00  | -12.04 | 53.70  | 6.92         | 34.50  | 33.16 | 159   | 355 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<br>CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

#### Channel 149

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | A/Pos | T/Pos | Remark | Pol/Phase |            |
|---|---------|--------|---------------|---------------|---------------|----------------------|------------------|-------|-------|--------|-----------|------------|
|   | MHz     | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m             | dB    | cm    | deg    |           |            |
| 1 | 5715.00 | 50.64  | 54.00         | -3.36         | 42.52         | 6.83                 | 34.42            | 33.13 | 157   | 353    | Average   | HORIZONTAL |
| 2 | 5715.00 | 70.86  | 74.00         | -3.14         | 62.74         | 6.83                 | 34.42            | 33.13 | 157   | 353    | Peak      | HORIZONTAL |
| 3 | 5725.00 | 76.86  | 78.20         | -1.34         | 68.73         | 6.83                 | 34.43            | 33.13 | 157   | 353    | Peak      | HORIZONTAL |
| 4 | 5742.44 | 100.63 |               |               | 92.47         | 6.86                 | 34.44            | 33.14 | 157   | 353    | Average   | HORIZONTAL |
| 5 | 5745.64 | 113.31 |               |               | 105.15        | 6.86                 | 34.44            | 33.14 | 157   | 353    | Peak      | HORIZONTAL |

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

#### Channel 157

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | A/Pos | T/Pos | Remark | Pol/Phase |            |
|---|---------|--------|---------------|---------------|---------------|----------------------|------------------|-------|-------|--------|-----------|------------|
|   | MHz     | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m             | dB    | cm    | deg    |           |            |
| 1 | 5712.89 | 66.79  | 68.20         | -1.41         | 58.67         | 6.83                 | 34.42            | 33.13 | 147   | 353    | Peak      | HORIZONTAL |
| 2 | 5720.58 | 71.60  | 78.20         | -6.60         | 63.47         | 6.83                 | 34.43            | 33.13 | 147   | 353    | Peak      | HORIZONTAL |
| 3 | 5782.12 | 118.75 |               |               | 110.54        | 6.90                 | 34.47            | 33.16 | 147   | 353    | Peak      | HORIZONTAL |
| 4 | 5784.04 | 105.93 |               |               | 97.72         | 6.90                 | 34.47            | 33.16 | 147   | 353    | Average   | HORIZONTAL |
| 5 | 5854.23 | 68.78  | 78.20         | -9.42         | 60.48         | 6.95                 | 34.52            | 33.17 | 147   | 353    | Peak      | HORIZONTAL |
| 6 | 5868.65 | 66.87  | 68.20         | -1.33         | 58.56         | 6.97                 | 34.52            | 33.18 | 147   | 353    | Peak      | HORIZONTAL |

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

#### Channel 165

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableLoss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|---------------|---------------|---------------|-----------|-------------------|------------------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m        | dB            | dBuV          | dB        | dB/m              | dB               | cm    | deg   |         |            |
| 1 | 5826.92 | 100.59 |               |               | 92.33         | 6.92      | 34.50             | 33.16            | 148   | 358   | Average | HORIZONTAL |
| 2 | 5826.92 | 113.34 |               |               | 105.08        | 6.92      | 34.50             | 33.16            | 148   | 358   | Peak    | HORIZONTAL |
| 3 | 5851.92 | 75.15  | 78.20         | -3.05         | 66.86         | 6.95      | 34.51             | 33.17            | 148   | 358   | Peak    | HORIZONTAL |
| 4 | 5860.00 | 66.35  | 68.20         | -1.85         | 58.04         | 6.97      | 34.52             | 33.18            | 148   | 358   | 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<br>CH 38, 46 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                                |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                |

#### Channel 38

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 5140.00 | 70.10  | 74.00  | -3.90 | 63.24  | 6.17         | 33.74  | 33.05  | 148   | 347 Peak    | HORIZONTAL |
| 2 | 5150.00 | 52.59  | 54.00  | -1.41 | 45.69  | 6.21         | 33.74  | 33.05  | 148   | 347 Average | HORIZONTAL |
| 3 | 5193.85 | 99.57  |        |       | 92.56  | 6.24         | 33.82  | 33.05  | 148   | 347 Average | HORIZONTAL |
| 4 | 5194.81 | 110.65 |        |       | 103.61 | 6.27         | 33.82  | 33.05  | 148   | 347 Peak    | HORIZONTAL |

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

#### Channel 46

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|--------|--------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 5144.42 | 63.77  | 74.00  | -10.23 | 56.87  | 6.21         | 33.74  | 33.05  | 149   | 356 Peak    | HORIZONTAL |
| 2 | 5147.31 | 52.52  | 54.00  | -1.48  | 45.62  | 6.21         | 33.74  | 33.05  | 149   | 356 Average | HORIZONTAL |
| 3 | 5225.19 | 102.04 |        |        | 94.92  | 6.30         | 33.87  | 33.05  | 149   | 356 Average | HORIZONTAL |
| 4 | 5232.89 | 113.17 |        |        | 106.05 | 6.30         | 33.87  | 33.05  | 149   | 356 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<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                                |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                |

#### Channel 54

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|---------------|---------------|---------------|----------------------|------------------|------------------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m             | dB               | cm    | deg   |         |            |
| 1 | 5273.85 | 102.72 |               |               | 95.48         | 6.37                 | 33.93            | 33.06            | 154   | 355   | Average | HORIZONTAL |
| 2 | 5273.85 | 114.13 |               |               | 106.89        | 6.37                 | 33.93            | 33.06            | 154   | 355   | Peak    | HORIZONTAL |
| 3 | 5350.00 | 52.63  | 54.00         | -1.37         | 45.16         | 6.47                 | 34.06            | 33.06            | 154   | 355   | Average | HORIZONTAL |
| 4 | 5350.00 | 65.05  | 74.00         | -8.95         | 57.58         | 6.47                 | 34.06            | 33.06            | 154   | 355   | Peak    | HORIZONTAL |

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

#### Channel 62

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|---------------|---------------|---------------|----------------------|------------------|------------------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m             | dB               | cm    | deg   |         |            |
| 1 | 5307.12 | 108.39 |               |               | 101.07        | 6.40                 | 33.98            | 33.06            | 159   | 356   | Peak    | HORIZONTAL |
| 2 | 5315.77 | 97.74  |               |               | 90.39         | 6.40                 | 34.01            | 33.06            | 159   | 356   | Average | HORIZONTAL |
| 3 | 5350.00 | 52.89  | 54.00         | -1.11         | 45.42         | 6.47                 | 34.06            | 33.06            | 159   | 356   | Average | HORIZONTAL |
| 4 | 5350.00 | 69.80  | 74.00         | -4.20         | 62.33         | 6.47                 | 34.06            | 33.06            | 159   | 356   | 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<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

#### Channel 102

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5459.04 | 67.55  | 74.00  | -6.45 | 59.79  | 6.60  | 34.22   | 33.06  | 150   | 354   | Peak    | HORIZONTAL |
| 2 | 5460.00 | 50.79  | 54.00  | -3.21 | 43.03  | 6.60  | 34.22   | 33.06  | 150   | 354   | Average | HORIZONTAL |
| 3 | 5468.65 | 52.80  | 54.00  | -1.20 | 45.01  | 6.60  | 34.25   | 33.06  | 150   | 354   | Average | HORIZONTAL |
| 4 | 5468.65 | 72.62  | 74.00  | -1.38 | 64.83  | 6.60  | 34.25   | 33.06  | 150   | 354   | Peak    | HORIZONTAL |
| 5 | 5515.77 | 100.19 |        |       | 92.30  | 6.65  | 34.31   | 33.07  | 150   | 354   | Average | HORIZONTAL |
| 6 | 5516.73 | 111.16 |        |       | 103.27 | 6.65  | 34.31   | 33.07  | 150   | 354   | Peak    | HORIZONTAL |

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  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5456.73 | 51.53  | 54.00  | -2.47 | 43.77  | 6.60  | 34.22   | 33.06  | 157   | 358   | Average | HORIZONTAL |
| 2 | 5460.00 | 66.90  | 74.00  | -7.10 | 59.14  | 6.60  | 34.22   | 33.06  | 157   | 358   | Peak    | HORIZONTAL |
| 3 | 5463.46 | 67.18  | 74.00  | -6.82 | 59.39  | 6.60  | 34.25   | 33.06  | 157   | 358   | Peak    | HORIZONTAL |
| 4 | 5468.27 | 52.69  | 54.00  | -1.31 | 44.90  | 6.60  | 34.25   | 33.06  | 157   | 358   | Average | HORIZONTAL |
| 5 | 5548.08 | 113.39 |        |       | 105.46 | 6.68  | 34.33   | 33.08  | 157   | 358   | Peak    | HORIZONTAL |
| 6 | 5553.85 | 101.86 |        |       | 93.91  | 6.70  | 34.33   | 33.08  | 157   | 358   | Average | HORIZONTAL |

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  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5672.89 | 110.64 |        |       | 102.57 | 6.79  | 34.40   | 33.12  | 155   | 345   | Peak    | HORIZONTAL |
| 2 | 5674.81 | 99.49  |        |       | 91.42  | 6.79  | 34.40   | 33.12  | 155   | 345   | Average | HORIZONTAL |
| 3 | 5725.77 | 69.41  | 74.00  | -4.59 | 61.28  | 6.83  | 34.43   | 33.13  | 155   | 345   | Peak    | HORIZONTAL |
| 4 | 5726.73 | 52.84  | 54.00  | -1.16 | 44.71  | 6.83  | 34.43   | 33.13  | 155   | 345   | 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<br>CH 151, 159 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                                  |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                  |

#### Channel 151

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 5710.77 | 69.86  | 74.00  | -4.14 | 61.74  | 6.83         | 34.42  | 33.13  | 149   | 356 Peak    | HORIZONTAL |
| 2 | 5715.00 | 52.71  | 54.00  | -1.29 | 44.59  | 6.83         | 34.42  | 33.13  | 149   | 356 Average | HORIZONTAL |
| 3 | 5724.23 | 77.15  | 78.20  | -1.05 | 69.02  | 6.83         | 34.43  | 33.13  | 149   | 356 Peak    | HORIZONTAL |
| 4 | 5737.37 | 97.41  |        |       | 89.25  | 6.86         | 34.44  | 33.14  | 149   | 356 Average | HORIZONTAL |
| 5 | 5768.78 | 108.60 |        |       | 100.40 | 6.88         | 34.47  | 33.15  | 149   | 356 Peak    | HORIZONTAL |

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

#### Channel 159

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|--------|--------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 5711.99 | 50.21  | 54.00  | -3.79  | 42.09  | 6.83         | 34.42  | 33.13  | 161   | 356 Average | HORIZONTAL |
| 2 | 5713.59 | 65.59  | 74.00  | -8.41  | 57.47  | 6.83         | 34.42  | 33.13  | 161   | 356 Peak    | HORIZONTAL |
| 3 | 5725.00 | 67.22  | 78.20  | -10.98 | 59.09  | 6.83         | 34.43  | 33.13  | 161   | 356 Peak    | HORIZONTAL |
| 4 | 5807.50 | 111.80 |        |        | 103.55 | 6.92         | 34.49  | 33.16  | 161   | 356 Peak    | HORIZONTAL |
| 5 | 5808.14 | 99.95  |        |        | 91.70  | 6.92         | 34.49  | 33.16  | 161   | 356 Average | HORIZONTAL |
| 6 | 5852.05 | 72.92  | 78.20  | -5.28  | 64.63  | 6.95         | 34.51  | 33.17  | 161   | 356 Peak    | HORIZONTAL |
| 7 | 5860.00 | 52.72  | 54.00  | -1.28  | 44.41  | 6.97         | 34.52  | 33.18  | 161   | 356 Average | HORIZONTAL |
| 8 | 5860.39 | 71.70  | 74.00  | -2.30  | 63.39  | 6.97         | 34.52  | 33.18  | 161   | 356 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<br>CH 42, 58 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                                |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                |

#### Channel 42

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|--------|--------------|--------|--------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 5143.65 | 52.87  | 54.00  | -1.13  | 46.01  | 6.17         | 33.74  | 33.05  | 158   | 346 Average | HORIZONTAL |
| 2 | 5146.54 | 70.14  | 74.00  | -3.86  | 63.24  | 6.21         | 33.74  | 33.05  | 158   | 346 Peak    | HORIZONTAL |
| 3 | 5199.42 | 96.20  |        |        | 89.16  | 6.27         | 33.82  | 33.05  | 158   | 346 Average | HORIZONTAL |
| 4 | 5223.46 | 107.57 |        |        | 100.47 | 6.30         | 33.85  | 33.05  | 158   | 346 Peak    | HORIZONTAL |
| 5 | 5351.35 | 60.40  | 74.00  | -13.60 | 52.93  | 6.47         | 34.06  | 33.06  | 158   | 346 Peak    | HORIZONTAL |
| 6 | 5357.12 | 48.71  | 54.00  | -5.29  | 41.24  | 6.47         | 34.06  | 33.06  | 158   | 346 Average | HORIZONTAL |

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

#### Channel 58

|   | Freq    | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|---------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 5125.58 | 58.87  | 74.00  | -15.13 | 52.04 | 6.17         | 33.71  | 33.05  | 161   | 348 Peak    | HORIZONTAL |
| 2 | 5145.77 | 47.66  | 54.00  | -6.34  | 40.76 | 6.21         | 33.74  | 33.05  | 161   | 348 Average | HORIZONTAL |
| 3 | 5283.27 | 94.76  |        |        | 87.50 | 6.37         | 33.95  | 33.06  | 161   | 348 Average | HORIZONTAL |
| 4 | 5284.23 | 105.87 |        |        | 98.61 | 6.37         | 33.95  | 33.06  | 161   | 348 Peak    | HORIZONTAL |
| 5 | 5350.00 | 52.96  | 54.00  | -1.04  | 45.49 | 6.47         | 34.06  | 33.06  | 161   | 348 Average | HORIZONTAL |
| 6 | 5350.00 | 68.07  | 74.00  | -5.93  | 60.60 | 6.47         | 34.06  | 33.06  | 161   | 348 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<br>CH 106, 122, 155 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                                       |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                                       |

### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5456.92 | 65.87  | 74.00  | -8.13  | 58.11 | 6.60  | 34.22   | 33.06  | 151   | 352   | Peak    | HORIZONTAL |
| 2 | 5458.85 | 52.17  | 54.00  | -1.83  | 44.41 | 6.60  | 34.22   | 33.06  | 151   | 352   | Average | HORIZONTAL |
| 3 | 5469.42 | 52.48  | 54.00  | -1.52  | 44.69 | 6.60  | 34.25   | 33.06  | 151   | 352   | Average | HORIZONTAL |
| 4 | 5469.42 | 70.67  | 74.00  | -3.33  | 62.88 | 6.60  | 34.25   | 33.06  | 151   | 352   | Peak    | HORIZONTAL |
| 5 | 5520.39 | 96.32  |        |        | 88.43 | 6.65  | 34.31   | 33.07  | 151   | 352   | Average | HORIZONTAL |
| 6 | 5523.27 | 106.71 |        |        | 98.82 | 6.65  | 34.31   | 33.07  | 151   | 352   | Peak    | HORIZONTAL |
| 7 | 5736.73 | 48.39  | 54.00  | -5.61  | 40.23 | 6.86  | 34.44   | 33.14  | 151   | 352   | Average | HORIZONTAL |
| 8 | 5765.58 | 58.53  | 74.00  | -15.47 | 50.34 | 6.88  | 34.46   | 33.15  | 151   | 352   | Peak    | HORIZONTAL |

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

### Channel 122

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5460.00 | 49.68  | 54.00  | -4.32  | 41.92 | 6.60  | 34.22   | 33.06  | 156   | 353   | Average | HORIZONTAL |
| 2 | 5460.00 | 61.55  | 74.00  | -12.45 | 53.79 | 6.60  | 34.22   | 33.06  | 156   | 353   | Peak    | HORIZONTAL |
| 3 | 5465.77 | 61.68  | 74.00  | -12.32 | 53.89 | 6.60  | 34.25   | 33.06  | 156   | 353   | Peak    | HORIZONTAL |
| 4 | 5470.20 | 50.01  | 54.00  | -3.99  | 42.22 | 6.60  | 34.25   | 33.06  | 156   | 353   | Average | HORIZONTAL |
| 5 | 5617.69 | 97.71  |        |        | 89.70 | 6.74  | 34.37   | 33.10  | 156   | 353   | Average | HORIZONTAL |
| 6 | 5619.62 | 108.00 |        |        | 99.99 | 6.74  | 34.37   | 33.10  | 156   | 353   | Peak    | HORIZONTAL |
| 7 | 5726.35 | 52.21  | 54.00  | -1.79  | 44.08 | 6.83  | 34.43   | 33.13  | 156   | 353   | Average | HORIZONTAL |
| 8 | 5732.12 | 65.05  | 74.00  | -8.95  | 56.90 | 6.86  | 34.43   | 33.14  | 156   | 353   | Peak    | HORIZONTAL |

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

### Channel 155

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5702.89 | 66.35  | 68.20  | -1.85  | 58.24 | 6.81  | 34.42   | 33.12  | 156   | 358   | Peak    | HORIZONTAL |
| 2 | 5718.27 | 71.34  | 78.20  | -6.86  | 63.21 | 6.83  | 34.43   | 33.13  | 156   | 358   | Peak    | HORIZONTAL |
| 3 | 5803.85 | 94.54  |        |        | 86.31 | 6.90  | 34.49   | 33.16  | 156   | 358   | Average | HORIZONTAL |
| 4 | 5805.77 | 105.84 |        |        | 97.61 | 6.90  | 34.49   | 33.16  | 156   | 358   | Peak    | HORIZONTAL |
| 5 | 5850.00 | 67.03  | 78.20  | -11.17 | 58.74 | 6.95  | 34.51   | 33.17  | 156   | 358   | Peak    | HORIZONTAL |
| 6 | 5861.54 | 66.27  | 68.20  | -1.93  | 57.96 | 6.97  | 34.52   | 33.18  | 156   | 358   | 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<br>CH 144 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                             |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss  | Factor  | Factor | cm    | deg   |         |            |
| 1 | 5719.04 | 109.06 |        |       | 100.93 | 6.83  | 34.43   | 33.13  | 153   | 352   | Average | HORIZONTAL |
| 2 | 5723.85 | 120.51 |        |       | 112.38 | 6.83  | 34.43   | 33.13  | 153   | 352   | Peak    | HORIZONTAL |
| 3 | 5858.46 | 65.52  | 68.20  | -2.68 | 57.21  | 6.97  | 34.52   | 33.18  | 153   | 352   | 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<br>CH 142 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                             |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5704.23 | 104.92 |        |       | 96.81  | 6.81  | 34.42   | 33.12  | 157   | 355   | Average | HORIZONTAL |
| 2 | 5708.08 | 116.01 |        |       | 107.89 | 6.83  | 34.42   | 33.13  | 157   | 355   | Peak    | HORIZONTAL |
| 3 | 5871.54 | 66.98  | 68.20  | -1.22 | 58.66  | 6.97  | 34.53   | 33.18  | 157   | 355   | 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<br>CH 138 / Chain 1 + Chain 2 |
| Test Date     | Jul. 25, 2015                                   |                |                                                             |
| Test Mode     | Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX) |                |                                                             |

### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 5679.42 | 99.99  |        |       | 91.90  | 6.81  | 34.40   | 33.12  | 152   | 349   | Average | HORIZONTAL |
| 2 | 5685.19 | 110.56 |        |       | 102.46 | 6.81  | 34.41   | 33.12  | 152   | 349   | Peak    | HORIZONTAL |
| 3 | 5850.58 | 67.04  | 68.20  | -1.16 | 58.75  | 6.95  | 34.51   | 33.17  | 152   | 349   | 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<br>CH 36, 40, 48 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                                    |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                    |

#### Channel 36

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark    | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-----------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | cm    | deg       |           |
| 1 | 5149.00 | 70.01  | 74.00  | -3.99 | 63.11  | 6.21         | 33.74  | 33.05 | 201   | 4 Peak    | VERTICAL  |
| 2 | 5150.00 | 52.99  | 54.00  | -1.01 | 46.09  | 6.21         | 33.74  | 33.05 | 201   | 4 Average | VERTICAL  |
| 3 | 5181.00 | 110.84 |        |       | 103.86 | 6.24         | 33.79  | 33.05 | 201   | 4 Peak    | VERTICAL  |
| 4 | 5182.00 | 99.34  |        |       | 92.36  | 6.24         | 33.79  | 33.05 | 201   | 4 Average | VERTICAL  |

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

#### Channel 40

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 5146.00 | 66.64  | 74.00  | -7.36 | 59.74  | 6.21         | 33.74  | 33.05 | 195   | 257 Peak    | VERTICAL  |
| 2 | 5150.00 | 52.84  | 54.00  | -1.16 | 45.94  | 6.21         | 33.74  | 33.05 | 195   | 257 Average | VERTICAL  |
| 3 | 5194.80 | 114.85 |        |       | 107.81 | 6.27         | 33.82  | 33.05 | 195   | 257 Peak    | VERTICAL  |
| 4 | 5197.60 | 103.42 |        |       | 96.38  | 6.27         | 33.82  | 33.05 | 195   | 257 Average | VERTICAL  |

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

#### Channel 48

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 5117.60 | 48.00  | 54.00  | -6.00  | 41.22  | 6.14         | 33.69  | 33.05 | 204   | 257 Average | VERTICAL  |
| 2 | 5125.40 | 60.95  | 74.00  | -13.05 | 54.12  | 6.17         | 33.71  | 33.05 | 204   | 257 Peak    | VERTICAL  |
| 3 | 5237.00 | 113.87 |        |        | 106.75 | 6.30         | 33.87  | 33.05 | 204   | 257 Peak    | VERTICAL  |
| 4 | 5237.60 | 102.52 |        |        | 95.40  | 6.30         | 33.87  | 33.05 | 204   | 257 Average | VERTICAL  |
| 5 | 5358.20 | 48.69  | 54.00  | -5.31  | 41.22  | 6.47         | 34.06  | 33.06 | 204   | 257 Average | VERTICAL  |
| 6 | 5360.60 | 61.91  | 74.00  | -12.09 | 54.41  | 6.47         | 34.09  | 33.06 | 204   | 257 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<br>CH 52, 60, 64 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                                    |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                    |

#### Channel 52

|   | Freq    | Level  | Limit  | Over   | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark    | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-----------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB           | dB/m   | dB    | cm    | deg       |           |
| 1 | 5134.60 | 61.61  | 74.00  | -12.39 | 54.78  | 6.17         | 33.71  | 33.05 | 214   | 2 Peak    | VERTICAL  |
| 2 | 5138.20 | 49.19  | 54.00  | -4.81  | 42.36  | 6.17         | 33.71  | 33.05 | 214   | 2 Average | VERTICAL  |
| 3 | 5260.60 | 115.16 |        |        | 107.95 | 6.34         | 33.93  | 33.06 | 214   | 2 Peak    | VERTICAL  |
| 4 | 5261.80 | 102.87 |        |        | 95.66  | 6.34         | 33.93  | 33.06 | 214   | 2 Average | VERTICAL  |
| 5 | 5350.60 | 62.34  | 74.00  | -11.66 | 54.87  | 6.47         | 34.06  | 33.06 | 214   | 2 Peak    | VERTICAL  |
| 6 | 5381.20 | 49.21  | 54.00  | -4.79  | 41.66  | 6.50         | 34.11  | 33.06 | 214   | 2 Average | VERTICAL  |

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

#### Channel 60

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark    | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-----------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | cm    | deg       |           |
| 1 | 5302.80 | 113.41 |        |       | 106.09 | 6.40         | 33.98  | 33.06 | 210   | 6 Peak    | VERTICAL  |
| 2 | 5306.40 | 101.94 |        |       | 94.62  | 6.40         | 33.98  | 33.06 | 210   | 6 Average | VERTICAL  |
| 3 | 5350.00 | 52.94  | 54.00  | -1.06 | 45.47  | 6.47         | 34.06  | 33.06 | 210   | 6 Average | VERTICAL  |
| 4 | 5353.20 | 68.93  | 74.00  | -5.07 | 61.46  | 6.47         | 34.06  | 33.06 | 210   | 6 Peak    | VERTICAL  |

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

#### Channel 64

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 5317.00 | 111.63 |        |       | 104.28 | 6.40         | 34.01  | 33.06 | 174   | 258 Peak    | VERTICAL  |
| 2 | 5317.80 | 100.60 |        |       | 93.25  | 6.40         | 34.01  | 33.06 | 174   | 258 Average | VERTICAL  |
| 3 | 5350.00 | 52.78  | 54.00  | -1.22 | 45.31  | 6.47         | 34.06  | 33.06 | 174   | 258 Average | VERTICAL  |
| 4 | 5350.40 | 71.38  | 74.00  | -2.62 | 63.91  | 6.47         | 34.06  | 33.06 | 174   | 258 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<br>CH 100, 116, 140 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 100

|   | Freq    | Level  | Limit  | Over   | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5459.20 | 61.81  | 74.00  | -12.19 | 54.05  | 6.60  | 34.22   | 33.06  | 198   | 255   | Peak    | VERTICAL  |
| 2 | 5460.00 | 48.64  | 54.00  | -5.36  | 40.88  | 6.60  | 34.22   | 33.06  | 198   | 255   | Average | VERTICAL  |
| 3 | 5466.00 | 68.39  | 74.00  | -5.61  | 60.60  | 6.60  | 34.25   | 33.06  | 198   | 255   | Peak    | VERTICAL  |
| 4 | 5470.00 | 52.69  | 54.00  | -1.31  | 44.90  | 6.60  | 34.25   | 33.06  | 198   | 255   | Average | VERTICAL  |
| 5 | 5497.60 | 100.03 |        |        | 92.16  | 6.63  | 34.30   | 33.06  | 198   | 255   | Average | VERTICAL  |
| 6 | 5500.80 | 110.67 |        |        | 102.79 | 6.65  | 34.30   | 33.07  | 198   | 255   | Peak    | VERTICAL  |

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 |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5422.40 | 59.82  | 74.00  | -14.18 | 52.18  | 6.53  | 34.17   | 33.06  | 207   | 34    | Peak    | VERTICAL  |
| 2 | 5460.00 | 48.57  | 54.00  | -5.43  | 40.81  | 6.60  | 34.22   | 33.06  | 207   | 34    | Average | VERTICAL  |
| 3 | 5462.40 | 48.76  | 54.00  | -5.24  | 41.00  | 6.60  | 34.22   | 33.06  | 207   | 34    | Average | VERTICAL  |
| 4 | 5462.40 | 61.70  | 74.00  | -12.30 | 53.94  | 6.60  | 34.22   | 33.06  | 207   | 34    | Peak    | VERTICAL  |
| 5 | 5582.40 | 102.94 |        |        | 94.96  | 6.72  | 34.35   | 33.09  | 207   | 34    | Average | VERTICAL  |
| 6 | 5582.40 | 114.51 |        |        | 106.53 | 6.72  | 34.35   | 33.09  | 207   | 34    | Peak    | VERTICAL  |
| 7 | 5737.60 | 47.53  | 54.00  | -6.47  | 39.37  | 6.86  | 34.44   | 33.14  | 207   | 34    | Average | VERTICAL  |
| 8 | 5740.80 | 60.23  | 74.00  | -13.77 | 52.07  | 6.86  | 34.44   | 33.14  | 207   | 34    | Peak    | VERTICAL  |

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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5702.60 | 109.77 |        |       | 101.66 | 6.81  | 34.42   | 33.12  | 202   | 350   | Peak    | VERTICAL  |
| 2 | 5706.60 | 98.92  |        |       | 90.80  | 6.83  | 34.42   | 33.13  | 202   | 350   | Average | VERTICAL  |
| 3 | 5725.00 | 52.70  | 54.00  | -1.30 | 44.57  | 6.83  | 34.43   | 33.13  | 202   | 350   | Average | VERTICAL  |
| 4 | 5725.00 | 72.87  | 74.00  | -1.13 | 64.74  | 6.83  | 34.43   | 33.13  | 202   | 350   | 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<br>CH 149, 157, 165 / Chain 1 + Chain 2 |
| Test Date     | Aug. 05, 2015                                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 149

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamplifier Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB         | dB/m           | dB                  | cm    | deg   |         |           |
| 1 | 5714.80 | 70.41  | 74.00      | -3.59      | 62.29      | 6.83       | 34.42          | 33.13               | 177   | 255   | Peak    | VERTICAL  |
| 2 | 5715.00 | 51.70  | 54.00      | -2.30      | 43.58      | 6.83       | 34.42          | 33.13               | 177   | 255   | Average | VERTICAL  |
| 3 | 5724.80 | 77.05  | 78.20      | -1.15      | 68.92      | 6.83       | 34.43          | 33.13               | 177   | 255   | Peak    | VERTICAL  |
| 4 | 5742.60 | 98.71  |            |            | 90.55      | 6.86       | 34.44          | 33.14               | 177   | 255   | Average | VERTICAL  |
| 5 | 5747.20 | 110.40 |            |            | 102.24     | 6.86       | 34.44          | 33.14               | 177   | 255   | Peak    | VERTICAL  |

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

#### Channel 157

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamplifier Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB         | dB/m           | dB                  | cm    | deg   |         |           |
| 1 | 5707.00 | 51.44  | 54.00      | -2.56      | 43.32      | 6.83       | 34.42          | 33.13               | 208   | 20    | Average | VERTICAL  |
| 2 | 5710.20 | 64.82  | 74.00      | -9.18      | 56.70      | 6.83       | 34.42          | 33.13               | 208   | 20    | Peak    | VERTICAL  |
| 3 | 5725.00 | 66.68  | 78.20      | -11.52     | 58.55      | 6.83       | 34.43          | 33.13               | 208   | 20    | Peak    | VERTICAL  |
| 4 | 5783.80 | 115.03 |            |            | 106.82     | 6.90       | 34.47          | 33.16               | 208   | 20    | Peak    | VERTICAL  |
| 5 | 5787.00 | 102.76 |            |            | 94.54      | 6.90       | 34.48          | 33.16               | 208   | 20    | Average | VERTICAL  |
| 6 | 5858.20 | 68.99  | 78.20      | -9.21      | 60.68      | 6.97       | 34.52          | 33.18               | 208   | 20    | Peak    | VERTICAL  |
| 7 | 5867.40 | 52.79  | 54.00      | -1.21      | 44.48      | 6.97       | 34.52          | 33.18               | 208   | 20    | Average | VERTICAL  |
| 8 | 5868.60 | 68.10  | 74.00      | -5.90      | 59.79      | 6.97       | 34.52          | 33.18               | 208   | 20    | Peak    | VERTICAL  |

Item 4, 5 are the fundamental frequency at 5785 MHz.

#### Channel 165

|   | Freq    | Level  | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamplifier Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m     | dB         | dBuV       | dB         | dB/m           | dB                  | cm    | deg   |         |           |
| 1 | 5831.60 | 100.02 |            |            | 91.76      | 6.92       | 34.50          | 33.16               | 208   | 347   | Average | VERTICAL  |
| 2 | 5831.80 | 112.05 |            |            | 103.79     | 6.92       | 34.50          | 33.16               | 208   | 347   | Peak    | VERTICAL  |
| 3 | 5851.40 | 75.44  | 78.20      | -2.76      | 67.15      | 6.95       | 34.51          | 33.17               | 208   | 347   | Peak    | VERTICAL  |
| 4 | 5860.00 | 52.78  | 54.00      | -1.22      | 44.47      | 6.97       | 34.52          | 33.18               | 208   | 347   | Average | VERTICAL  |
| 5 | 5864.20 | 72.27  | 74.00      | -1.73      | 63.96      | 6.97       | 34.52          | 33.18               | 208   | 347   | 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<br>CH 38, 46 / Chain 1 + Chain 2 |
| Test Date     | Aug. 05, 2015                                |                |                                                                |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                |

#### Channel 38

|   | Freq    | Level  | Limit  | Over  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5148.40 | 70.57  | 74.00  | -3.43 | 63.67 | 6.21  | 33.74   | 33.05  | 215   | 11    | Peak    | VERTICAL  |
| 2 | 5149.20 | 52.61  | 54.00  | -1.39 | 45.71 | 6.21  | 33.74   | 33.05  | 215   | 11    | Average | VERTICAL  |
| 3 | 5183.60 | 106.20 |        |       | 99.22 | 6.24  | 33.79   | 33.05  | 215   | 11    | Peak    | VERTICAL  |
| 4 | 5186.80 | 95.15  |        |       | 88.17 | 6.24  | 33.79   | 33.05  | 215   | 11    | 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 |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5147.20 | 64.42  | 74.00  | -9.58 | 57.52  | 6.21  | 33.74   | 33.05  | 215   | 256   | Peak    | VERTICAL  |
| 2 | 5149.20 | 51.80  | 54.00  | -2.20 | 44.90  | 6.21  | 33.74   | 33.05  | 215   | 256   | Average | VERTICAL  |
| 3 | 5235.20 | 110.70 |        |       | 103.58 | 6.30  | 33.87   | 33.05  | 215   | 256   | Peak    | VERTICAL  |
| 4 | 5238.00 | 100.05 |        |       | 92.93  | 6.30  | 33.87   | 33.05  | 215   | 256   | 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<br>CH 54, 62 / Chain 1 + Chain 2 |
| Test Date     | Aug. 05, 2015                                |                |                                                                |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                |

#### Channel 54

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos  | T/Pos | Remark    | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|--------|-------|-----------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | Loss         | Factor | Factor | cm    | deg       |           |
| 1 | 5262.00 | 99.03  |        |       | 91.82  | 6.34         | 33.93  | 33.06  | 197   | 7 Average | VERTICAL  |
| 2 | 5266.80 | 110.25 |        |       | 103.04 | 6.34         | 33.93  | 33.06  | 197   | 7 Peak    | VERTICAL  |
| 3 | 5351.60 | 52.97  | 54.00  | -1.03 | 45.50  | 6.47         | 34.06  | 33.06  | 197   | 7 Average | VERTICAL  |
| 4 | 5356.00 | 65.95  | 74.00  | -8.05 | 58.48  | 6.47         | 34.06  | 33.06  | 197   | 7 Peak    | VERTICAL  |

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

#### Channel 62

|   | Freq    | Level  | Limit  | Over  | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark    | Pol/Phase |
|---|---------|--------|--------|-------|-------|--------------|--------|--------|-------|-----------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | Loss         | Factor | Factor | cm    | deg       |           |
| 1 | 5306.40 | 94.41  |        |       | 87.09 | 6.40         | 33.98  | 33.06  | 217   | 3 Average | VERTICAL  |
| 2 | 5306.40 | 105.46 |        |       | 98.14 | 6.40         | 33.98  | 33.06  | 217   | 3 Peak    | VERTICAL  |
| 3 | 5350.00 | 52.66  | 54.00  | -1.34 | 45.19 | 6.47         | 34.06  | 33.06  | 217   | 3 Average | VERTICAL  |
| 4 | 5350.40 | 69.43  | 74.00  | -4.57 | 61.96 | 6.47         | 34.06  | 33.06  | 217   | 3 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<br>CH 102, 110, 134 / Chain 1 + Chain 2 |
| Test Date     | Aug. 05, 2015                                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 102

|   | Freq    | Level  | Limit  | Over  | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 5459.60 | 64.66  | 74.00  | -9.34 | 56.90 | 6.60         | 34.22  | 33.06 | 222   | 253 Peak    | VERTICAL  |
| 2 | 5460.00 | 49.86  | 54.00  | -4.14 | 42.10 | 6.60         | 34.22  | 33.06 | 222   | 253 Average | VERTICAL  |
| 3 | 5468.80 | 70.73  | 74.00  | -3.27 | 62.94 | 6.60         | 34.25  | 33.06 | 222   | 253 Peak    | VERTICAL  |
| 4 | 5469.60 | 52.59  | 54.00  | -1.41 | 44.80 | 6.60         | 34.25  | 33.06 | 222   | 253 Average | VERTICAL  |
| 5 | 5515.20 | 106.30 |        |       | 98.41 | 6.65         | 34.31  | 33.07 | 222   | 253 Peak    | VERTICAL  |
| 6 | 5518.00 | 95.85  |        |       | 87.96 | 6.65         | 34.31  | 33.07 | 222   | 253 Average | VERTICAL  |

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

#### Channel 110

|   | Freq    | Level  | Limit  | Over  | Read   | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 5455.20 | 65.26  | 74.00  | -8.74 | 57.50  | 6.60         | 34.22  | 33.06 | 200   | 259 Peak    | VERTICAL  |
| 2 | 5459.20 | 51.15  | 54.00  | -2.85 | 43.39  | 6.60         | 34.22  | 33.06 | 200   | 259 Average | VERTICAL  |
| 3 | 5466.80 | 67.32  | 74.00  | -6.68 | 59.53  | 6.60         | 34.25  | 33.06 | 200   | 259 Peak    | VERTICAL  |
| 4 | 5469.60 | 52.87  | 54.00  | -1.13 | 45.08  | 6.60         | 34.25  | 33.06 | 200   | 259 Average | VERTICAL  |
| 5 | 5544.80 | 99.63  |        |       | 91.71  | 6.68         | 34.32  | 33.08 | 200   | 259 Average | VERTICAL  |
| 6 | 5545.60 | 110.56 |        |       | 102.64 | 6.68         | 34.32  | 33.08 | 200   | 259 Peak    | VERTICAL  |

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

#### Channel 134

|   | Freq    | Level  | Limit  | Over  | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|-------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 5674.80 | 105.89 |        |       | 97.82 | 6.79         | 34.40  | 33.12 | 213   | 257 Peak    | VERTICAL  |
| 2 | 5678.00 | 95.44  |        |       | 87.37 | 6.79         | 34.40  | 33.12 | 213   | 257 Average | VERTICAL  |
| 3 | 5725.00 | 52.69  | 54.00  | -1.31 | 44.56 | 6.83         | 34.43  | 33.13 | 213   | 257 Average | VERTICAL  |
| 4 | 5725.00 | 68.47  | 74.00  | -5.53 | 60.34 | 6.83         | 34.43  | 33.13 | 213   | 257 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<br>CH 151, 159 / Chain 1 + Chain 2 |
| Test Date     | Aug. 05, 2015                                |                |                                                                  |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                  |

#### Channel 151

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | Cable<br>Loss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|---------------|---------------|---------------|---------------|-------------------|------------------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m        | dB            | dBuV          | dB            | dB/m              | dB               | cm    | deg   |         |           |
| 1 | 5711.00 | 67.56  | 74.00         | -6.44         | 59.44         | 6.83          | 34.42             | 33.13            | 186   | 254   | Peak    | VERTICAL  |
| 2 | 5715.00 | 52.80  | 54.00         | -1.20         | 44.68         | 6.83          | 34.42             | 33.13            | 186   | 254   | Average | VERTICAL  |
| 3 | 5725.00 | 71.33  | 78.20         | -6.87         | 63.20         | 6.83          | 34.43             | 33.13            | 186   | 254   | Peak    | VERTICAL  |
| 4 | 5759.80 | 105.94 |               |               | 97.75         | 6.88          | 34.46             | 33.15            | 186   | 254   | Peak    | VERTICAL  |
| 5 | 5762.60 | 95.29  |               |               | 87.10         | 6.88          | 34.46             | 33.15            | 186   | 254   | Average | VERTICAL  |

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

#### Channel 159

|   | Freq    | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | A/Pos | T/Pos | Remark | Pol/Phase |          |
|---|---------|--------|---------------|---------------|---------------|----------------------|------------------|-------|-------|--------|-----------|----------|
|   | MHz     | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m             | dB    | cm    | deg    |           |          |
| 1 | 5711.60 | 49.34  | 54.00         | -4.66         | 41.22         | 6.83                 | 34.42            | 33.13 | 239   | 349    | Average   | VERTICAL |
| 2 | 5714.00 | 61.11  | 74.00         | -12.89        | 52.99         | 6.83                 | 34.42            | 33.13 | 239   | 349    | Peak      | VERTICAL |
| 3 | 5725.00 | 63.90  | 78.20         | -14.30        | 55.77         | 6.83                 | 34.43            | 33.13 | 239   | 349    | Peak      | VERTICAL |
| 4 | 5811.80 | 96.86  |               |               | 88.61         | 6.92                 | 34.49            | 33.16 | 239   | 349    | Average   | VERTICAL |
| 5 | 5811.80 | 107.37 |               |               | 99.12         | 6.92                 | 34.49            | 33.16 | 239   | 349    | Peak      | VERTICAL |
| 6 | 5850.80 | 70.74  | 78.20         | -7.46         | 62.45         | 6.95                 | 34.51            | 33.17 | 239   | 349    | Peak      | VERTICAL |
| 7 | 5860.00 | 52.93  | 54.00         | -1.07         | 44.62         | 6.97                 | 34.52            | 33.18 | 239   | 349    | Average   | VERTICAL |
| 8 | 5863.40 | 68.44  | 74.00         | -5.56         | 60.13         | 6.97                 | 34.52            | 33.18 | 239   | 349    | 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<br>CH 42, 58 / Chain 1 + Chain 2 |
| Test Date     | Aug. 05, 2015                                |                |                                                                |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                |

#### Channel 42

|   | Freq    | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark    | Pol/Phase |
|---|---------|--------|--------|--------|-------|--------------|--------|-------|-------|-----------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg       |           |
| 1 | 5146.00 | 68.78  | 74.00  | -5.22  | 61.88 | 6.21         | 33.74  | 33.05 | 196   | 7 Peak    | VERTICAL  |
| 2 | 5150.00 | 52.83  | 54.00  | -1.17  | 45.93 | 6.21         | 33.74  | 33.05 | 196   | 7 Average | VERTICAL  |
| 3 | 5219.00 | 103.01 |        |        | 95.94 | 6.27         | 33.85  | 33.05 | 196   | 7 Peak    | VERTICAL  |
| 4 | 5222.00 | 92.22  |        |        | 85.12 | 6.30         | 33.85  | 33.05 | 196   | 7 Average | VERTICAL  |
| 5 | 5355.00 | 48.62  | 54.00  | -5.38  | 41.15 | 6.47         | 34.06  | 33.06 | 196   | 7 Average | VERTICAL  |
| 6 | 5374.00 | 60.24  | 74.00  | -13.76 | 52.71 | 6.50         | 34.09  | 33.06 | 196   | 7 Peak    | VERTICAL  |

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

#### Channel 58

|   | Freq    | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|---------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 5143.00 | 59.41  | 74.00  | -14.59 | 52.55 | 6.17         | 33.74  | 33.05 | 192   | 359 Peak    | VERTICAL  |
| 2 | 5150.00 | 47.26  | 54.00  | -6.74  | 40.36 | 6.21         | 33.74  | 33.05 | 192   | 359 Average | VERTICAL  |
| 3 | 5298.00 | 100.74 |        |        | 93.42 | 6.40         | 33.98  | 33.06 | 192   | 359 Peak    | VERTICAL  |
| 4 | 5302.00 | 89.83  |        |        | 82.51 | 6.40         | 33.98  | 33.06 | 192   | 359 Average | VERTICAL  |
| 5 | 5351.00 | 65.94  | 74.00  | -8.06  | 58.47 | 6.47         | 34.06  | 33.06 | 192   | 359 Peak    | VERTICAL  |
| 6 | 5353.00 | 52.72  | 54.00  | -1.28  | 45.25 | 6.47         | 34.06  | 33.06 | 192   | 359 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<br>CH 106, 122, 155 / Chain 1 + Chain 2 |
| Test Date     | Aug. 05, 2015                                |                |                                                                       |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                                       |

#### Channel 106

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5457.00 | 51.20  | 54.00  | -2.80  | 43.44 | 6.60  | 34.22   | 33.06  | 201   | 252   | Average | VERTICAL  |
| 2 | 5459.00 | 63.83  | 74.00  | -10.17 | 56.07 | 6.60  | 34.22   | 33.06  | 201   | 252   | Peak    | VERTICAL  |
| 3 | 5470.00 | 52.73  | 54.00  | -1.27  | 44.94 | 6.60  | 34.25   | 33.06  | 201   | 252   | Average | VERTICAL  |
| 4 | 5470.00 | 67.62  | 74.00  | -6.38  | 59.83 | 6.60  | 34.25   | 33.06  | 201   | 252   | Peak    | VERTICAL  |
| 5 | 5515.00 | 102.11 |        |        | 94.22 | 6.65  | 34.31   | 33.07  | 201   | 252   | Peak    | VERTICAL  |
| 6 | 5518.00 | 92.34  |        |        | 84.45 | 6.65  | 34.31   | 33.07  | 201   | 252   | Average | VERTICAL  |
| 7 | 5725.00 | 48.14  | 54.00  | -5.86  | 40.01 | 6.83  | 34.43   | 33.13  | 201   | 252   | Average | VERTICAL  |
| 8 | 5736.00 | 60.31  | 74.00  | -13.69 | 52.15 | 6.86  | 34.44   | 33.14  | 201   | 252   | Peak    | VERTICAL  |

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

#### Channel 122

|   | Freq    | Level  | Limit  | Over  | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5457.00 | 64.26  | 74.00  | -9.74 | 56.50 | 6.60  | 34.22   | 33.06  | 163   | 351   | Peak    | VERTICAL  |
| 2 | 5458.00 | 52.32  | 54.00  | -1.68 | 44.56 | 6.60  | 34.22   | 33.06  | 163   | 351   | Average | VERTICAL  |
| 3 | 5464.00 | 65.01  | 68.20  | -3.19 | 57.22 | 6.60  | 34.25   | 33.06  | 163   | 351   | Peak    | VERTICAL  |
| 4 | 5607.00 | 94.79  |        |       | 86.79 | 6.74  | 34.36   | 33.10  | 163   | 351   | Average | VERTICAL  |
| 5 | 5619.00 | 105.02 |        |       | 97.01 | 6.74  | 34.37   | 33.10  | 163   | 351   | Peak    | VERTICAL  |
| 6 | 5737.00 | 66.82  | 68.20  | -1.38 | 58.66 | 6.86  | 34.44   | 33.14  | 163   | 351   | Peak    | VERTICAL  |

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

#### Channel 155

|   | Freq    | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5712.00 | 52.99  | 54.00  | -1.01  | 44.87 | 6.83  | 34.42   | 33.13  | 200   | 341   | Average | VERTICAL  |
| 2 | 5713.00 | 68.79  | 74.00  | -5.21  | 60.67 | 6.83  | 34.42   | 33.13  | 200   | 341   | Peak    | VERTICAL  |
| 3 | 5721.00 | 69.40  | 78.20  | -8.80  | 61.27 | 6.83  | 34.43   | 33.13  | 200   | 341   | Peak    | VERTICAL  |
| 4 | 5804.00 | 91.56  |        |        | 83.33 | 6.90  | 34.49   | 33.16  | 200   | 341   | Average | VERTICAL  |
| 5 | 5804.00 | 103.05 |        |        | 94.82 | 6.90  | 34.49   | 33.16  | 200   | 341   | Peak    | VERTICAL  |
| 6 | 5851.00 | 66.76  | 78.20  | -11.44 | 58.47 | 6.95  | 34.51   | 33.17  | 200   | 341   | Peak    | VERTICAL  |
| 7 | 5869.00 | 52.11  | 54.00  | -1.89  | 43.80 | 6.97  | 34.52   | 33.18  | 200   | 341   | Average | VERTICAL  |
| 8 | 5869.00 | 65.95  | 74.00  | -8.05  | 57.64 | 6.97  | 34.52   | 33.18  | 200   | 341   | 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<br>CH 144 / Chain 1 + Chain 2 |
| Test Date     | Aug. 04, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                             |

### Channel 144

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5715.20 | 113.69 |        |       | 105.57 | 6.83  | 34.42   | 33.13  | 197   | 253   | Peak    | VERTICAL  |
| 2 | 5717.60 | 102.77 |        |       | 94.64  | 6.83  | 34.43   | 33.13  | 197   | 253   | Average | VERTICAL  |
| 3 | 5850.00 | 60.84  | 68.20  | -7.36 | 52.55  | 6.95  | 34.51   | 33.17  | 197   | 253   | 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<br>CH 142 / Chain 1 + Chain 2 |
| Test Date     | Aug. 05, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                             |

#### Channel 142

|   | Freq    | Level  | Limit  | Over  | Read   | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|---------|--------|--------|-------|--------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz     | dBuV/m | dBuV/m | dB    | dBuV   | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 5705.80 | 112.56 |        |       | 104.44 | 6.83  | 34.42   | 33.13  | 198   | 347   | Peak    | VERTICAL  |
| 2 | 5706.40 | 102.23 |        |       | 94.11  | 6.83  | 34.42   | 33.13  | 198   | 347   | Average | VERTICAL  |
| 3 | 5851.00 | 65.83  | 68.20  | -2.37 | 57.54  | 6.95  | 34.51   | 33.17  | 198   | 347   | 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<br>CH 138 / Chain 1 + Chain 2 |
| Test Date     | Aug. 05, 2015                                |                |                                                             |
| Test Mode     | Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX) |                |                                                             |

#### Channel 138

|   | Freq    | Level  | Limit  | Over  | Read  | 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 | 95.06  |        |       | 86.95 | 6.81  | 34.42   | 33.12  | 186   | 344   | Average | VERTICAL  |
| 2 | 5707.00 | 106.74 |        |       | 98.62 | 6.83  | 34.42   | 33.13  | 186   | 344   | Peak    | VERTICAL  |
| 3 | 5850.00 | 66.97  | 68.20  | -1.23 | 58.68 | 6.95  | 34.51   | 33.17  | 186   | 344   | Peak    | VERTICAL  |

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

Note:

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

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

## **4.8. Antenna Requirements**

### **4.8.1. Limit**

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

### **4.8.2. Antenna Connector Construction**

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.



## 5. LIST OF MEASURING EQUIPMENTS

| Instrument        | Manufacturer | Model No.        | Serial No.    | Characteristics  | Calibration Date | Remark                |
|-------------------|--------------|------------------|---------------|------------------|------------------|-----------------------|
| EMI Test Receiver | R&S          | ESCS 30          | 100355        | 9kHz ~ 2.75GHz   | Apr. 22, 2015    | Conduction (CO01-CB)  |
| LISN              | F.C.C.       | FCC-LISN-50-16-2 | 04083         | 150kHz ~ 100MHz  | Dec. 02, 2014    | Conduction (CO01-CB)  |
| LISN              | Schwarzbeck  | NSLK 8127        | 8127647       | 9kHz ~ 30MHz     | Dec. 02, 2014    | Conduction (CO01-CB)  |
| COND Cable        | Woken        | Cable            | 01            | 150kHz ~ 30MHz   | Dec. 03, 2014    | Conduction (CO01-CB)  |
| Software          | Audix        | E3               | 5.410e        | -                | N.C.R.           | Conduction (CO01-CB)  |
| BILOG ANTENNA     | Schaffner    | CBL6112D         | 22021         | 20MHz ~ 2GHz     | May 06, 2015     | Radiation (03CH01-CB) |
| Loop Antenna      | Teseq        | HLA 6120         | 24155         | 9kHz - 30 MHz    | Mar. 12, 2015*   | Radiation (03CH01-CB) |
| Horn Antenna      | EMCO         | 3115             | 00075790      | 750MHz ~ 18GHz   | Oct. 28, 2014    | Radiation (03CH01-CB) |
| Horn Antenna      | Schwarzbeck  | BBHA 9170        | BBHA9170252   | 15GHz ~ 40GHz    | Aug. 22, 2014    | Radiation (03CH01-CB) |
| Horn Antenna      | Schwarzbeck  | BBHA 9170        | BBHA9170252   | 15GHz ~ 40GHz    | Jul. 21, 2015    | Radiation (03CH01-CB) |
| Pre-Amplifier     | Agilent      | 8447D            | 2944A10991    | 0.1MHz ~ 1.3GHz  | Feb. 24, 2015    | Radiation (03CH01-CB) |
| Pre-Amplifier     | Agilent      | 8449B            | 3008A02310    | 1GHz ~ 26.5GHz   | Jan. 12, 2015    | Radiation (03CH01-CB) |
| Pre-Amplifier     | WM           | TF-130N-R1       | 923365        | 26GHz ~ 40GHz    | Nov. 25, 2014    | Radiation (03CH01-CB) |
| Spectrum Analyzer | R&S          | FSP40            | 100056        | 9kHz ~ 40GHz     | Nov. 06, 2014    | Radiation (03CH01-CB) |
| EMI Receiver      | Agilent      | N9038A           | MY52260123    | 9kHz ~ 8.4GHz    | Jan. 21, 2015    | Radiation (03CH01-CB) |
| EMI Test Receiver | R&S          | ESR26            | 101289        | 9kHz ~ 26GHz     | Aug. 22, 2014    | Radiation (03CH01-CB) |
| RF Cable-low      | Woken        | Low Cable-1      | N/A           | 30 MHz ~ 1 GHz   | Nov. 15, 2014    | Radiation (03CH01-CB) |
| RF Cable-high     | Woken        | High Cable-40G-1 | N/A           | 1 GHz ~ 40 GHz   | Nov. 15, 2014    | Radiation (03CH01-CB) |
| RF Cable-high     | Woken        | High Cable-40G-2 | N/A           | 1 GHz ~ 40 GHz   | Nov. 15, 2014    | Radiation (03CH01-CB) |
| Spectrum analyzer | R&S          | FSP40            | 100979        | 9kHz~40GHz       | Dec. 12, 2014    | Conducted (TH01-CB)   |
| RF Cable-high     | Woken        | RG402            | High Cable-7  | 1 GHz ~ 26.5 GHz | Nov. 15, 2014    | Conducted (TH01-CB)   |
| RF Cable-high     | Woken        | RG402            | High Cable-8  | 1 GHz ~ 26.5 GHz | Nov. 15, 2014    | Conducted (TH01-CB)   |
| RF Cable-high     | Woken        | RG402            | High Cable-9  | 1 GHz ~ 26.5 GHz | Nov. 15, 2014    | Conducted (TH01-CB)   |
| RF Cable-high     | Woken        | RG402            | High Cable-10 | 1 GHz ~ 26.5 GHz | Nov. 15, 2014    | Conducted (TH01-CB)   |
| RF Cable-high     | Woken        | RG402            | High Cable-6  | 1 GHz ~ 26.5 GHz | Nov. 15, 2014    | Conducted (TH01-CB)   |
| Power Sensor      | Agilent      | U2021XA          | MY53410001    | 50MHz~18GHz      | Nov. 03, 2014    | Conducted (TH01-CB)   |

Note: Calibration Interval of instruments listed above is one year.

“\*” Calibration Interval of instruments listed above is two years.

NCR means Non-Calibration required.

## 6. MEASUREMENT UNCERTAINTY

| Test Items                           | Uncertainty | Remark                   |
|--------------------------------------|-------------|--------------------------|
| Conducted Emission (150kHz ~ 30MHz)  | 2.4 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 3.6 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 3.7 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 3.5 dB      | Confidence levels of 95% |
| Conducted Emission                   | 1.7 dB      | Confidence levels of 95% |