

| | | | |
|---------------|----------------------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | May 27, 2016~Jul. 26, 2016 | | |

Horizontal

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11485.32 | 56.22 | 74.00 | -17.78 | 41.14 | 10.51 | 39.20 | 34.63 | 159 | 196 | Peak | HORIZONTAL |
| 2 | 11490.40 | 43.40 | 54.00 | -10.60 | 28.32 | 10.51 | 39.20 | 34.63 | 159 | 196 | Average | HORIZONTAL |

Vertical

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11490.90 | 56.15 | 74.00 | -17.85 | 41.07 | 10.51 | 39.20 | 34.63 | 188 | 143 | Peak | VERTICAL |
| 2 | 11492.94 | 43.31 | 54.00 | -10.69 | 28.23 | 10.51 | 39.20 | 34.63 | 188 | 144 | Average | VERTICAL |

| | | | |
|---------------|----------------------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | May 27, 2016~Jul. 26, 2016 | | |

Horizontal

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11569.16 | 55.48 | 74.00 | -18.52 | 40.47 | 10.51 | 39.15 | 34.65 | 196 | 303 | Peak | HORIZONTAL |
| 2 | 11569.36 | 42.33 | 54.00 | -11.67 | 27.32 | 10.51 | 39.15 | 34.65 | 196 | 303 | Average | HORIZONTAL |

Vertical

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11572.74 | 55.24 | 74.00 | -18.76 | 40.23 | 10.51 | 39.15 | 34.65 | 183 | 237 | Peak | VERTICAL |
| 2 | 11574.32 | 42.35 | 54.00 | -11.65 | 27.34 | 10.51 | 39.15 | 34.65 | 183 | 237 | Average | VERTICAL |

| | | | |
|---------------|----------------------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | May 27, 2016~Jul. 26, 2016 | | |

Horizontal

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11645.10 | 55.23 | 74.00 | -18.77 | 40.29 | 10.51 | 39.09 | 34.66 | 155 | 207 | Peak | HORIZONTAL |
| 2 | 11647.30 | 42.91 | 54.00 | -11.09 | 27.97 | 10.51 | 39.09 | 34.66 | 155 | 207 | Average | HORIZONTAL |

Vertical

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11647.48 | 41.91 | 54.00 | -12.09 | 26.97 | 10.51 | 39.09 | 34.66 | 167 | 256 | Average | VERTICAL |
| 2 | 11650.12 | 55.62 | 74.00 | -18.38 | 40.68 | 10.51 | 39.09 | 34.66 | 167 | 256 | Peak | VERTICAL |

| | | | |
|---------------|----------------------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | May 27, 2016~Jul. 26, 2016 | | |

Horizontal

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|----------------------|-------------------|------------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15571.60 | 46.25 | 54.00 | -7.75 | 29.64 | 13.38 | 38.39 | 35.16 | 156 | 231 | Average | HORIZONTAL |
| 2 | 15571.94 | 59.88 | 74.00 | -14.12 | 43.27 | 13.38 | 38.39 | 35.16 | 156 | 231 | Peak | HORIZONTAL |

Vertical

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|----------------------|-------------------|------------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15568.08 | 59.49 | 74.00 | -14.51 | 42.88 | 13.38 | 38.39 | 35.16 | 160 | 308 | Peak | VERTICAL |
| 2 | 15568.46 | 46.59 | 54.00 | -7.41 | 29.98 | 13.38 | 38.39 | 35.16 | 160 | 308 | Average | VERTICAL |



| | | | |
|---------------|----------------------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | May 27, 2016~Jul. 26, 2016 | | |

Horizontal

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15692.80 | 59.32 | 74.00 | -14.68 | 42.94 | 13.39 | 38.23 | 35.24 | 184 | 141 | Peak | HORIZONTAL |
| 2 | 15694.02 | 45.64 | 54.00 | -8.36 | 29.26 | 13.39 | 38.23 | 35.24 | 184 | 141 | Average | HORIZONTAL |

Vertical

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15687.87 | 59.28 | 74.00 | -14.72 | 42.82 | 13.39 | 38.28 | 35.21 | 186 | 178 | Peak | VERTICAL |
| 2 | 15692.84 | 46.26 | 54.00 | -7.74 | 29.88 | 13.39 | 38.23 | 35.24 | 186 | 178 | Average | VERTICAL |

| | | | |
|---------------|----------------------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | May 27, 2016~Jul. 26, 2016 | | |

Horizontal

| | 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 | 11505.70 | 56.15 | 74.00 | -17.85 | 41.07 | 10.51 | 39.20 | 34.63 | 144 | 107 Peak | HORIZONTAL |
| 2 | 11508.30 | 43.42 | 54.00 | -10.58 | 28.34 | 10.51 | 39.20 | 34.63 | 144 | 107 Average | HORIZONTAL |

Vertical

| | 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 | 11508.84 | 43.34 | 54.00 | -10.66 | 28.27 | 10.51 | 39.20 | 34.64 | 183 | 165 Average | VERTICAL |
| 2 | 11514.22 | 57.10 | 74.00 | -16.90 | 42.03 | 10.51 | 39.20 | 34.64 | 183 | 165 Peak | VERTICAL |



| | | | |
|---------------|----------------------------|---------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configuration | IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | May 27, 2016~Jul. 26, 2016 | | |

Horizontal

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11594.08 | 49.02 | 74.00 | -24.98 | 34.05 | 10.51 | 39.12 | 34.66 | 187 | 192 | Peak | HORIZONTAL |
| 2 | 11594.94 | 36.71 | 54.00 | -17.29 | 21.74 | 10.51 | 39.12 | 34.66 | 187 | 192 | Average | HORIZONTAL |

Vertical

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11585.10 | 41.20 | 54.00 | -12.80 | 26.23 | 10.51 | 39.12 | 34.66 | 159 | 239 | Average | VERTICAL |
| 2 | 11592.82 | 48.83 | 74.00 | -25.17 | 33.86 | 10.51 | 39.12 | 34.66 | 159 | 239 | Peak | VERTICAL |

| | | | |
|---------------|----------------------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | May 27, 2016~Jul. 26, 2016 | | |

Horizontal

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15625.24 | 59.54 | 74.00 | -14.46 | 43.01 | 13.38 | 38.34 | 35.19 | 198 | 86 | Peak | HORIZONTAL |
| 2 | 15631.15 | 46.38 | 54.00 | -7.62 | 29.85 | 13.38 | 38.34 | 35.19 | 198 | 86 | Average | HORIZONTAL |

Vertical

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 15625.71 | 58.95 | 74.00 | -15.05 | 42.42 | 13.38 | 38.34 | 35.19 | 207 | 148 | Peak | VERTICAL |
| 2 | 15633.64 | 46.45 | 54.00 | -7.55 | 29.92 | 13.38 | 38.34 | 35.19 | 207 | 148 | Average | VERTICAL |

| | | | |
|---------------|----------------------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |
| Test Date | May 27, 2016~Jul. 26, 2016 | | |

Horizontal

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11547.76 | 53.39 | 74.00 | -20.61 | 38.36 | 10.51 | 39.17 | 34.65 | 186 | 74 | Peak | HORIZONTAL |
| 2 | 11549.88 | 40.84 | 54.00 | -13.16 | 25.81 | 10.51 | 39.17 | 34.65 | 186 | 74 | Average | HORIZONTAL |

Vertical

| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 11545.50 | 40.56 | 54.00 | -13.44 | 25.52 | 10.51 | 39.17 | 34.64 | 174 | 120 | Average | VERTICAL |
| 2 | 11551.38 | 53.31 | 74.00 | -20.69 | 38.30 | 10.51 | 39.15 | 34.65 | 174 | 120 | Peak | VERTICAL |

Note:

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

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

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

4.7. Band Edge Emissions Measurement

4.7.1. Limit

For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

4.7.2. Measuring Instruments and Setting

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

| Spectrum Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Span Frequency | 100 MHz |
| RBW / VBW (Emission in restricted band) | 1MHz / 3MHz for Peak, 1MHz / 1/T for Average |
| RBW / VBW (Emission in non-restricted band) | 1MHz / 3MHz for Peak |
| RBW / VBW (30dBc in any 100 kHz bandwidth emission) | 100 kHz / 300 kHz for Peak |

4.7.3. Test Procedures

For Radiated band edges Measurement:

The test procedure is the same as section 4.6.3.

For Radiated Emissions in non-restricted frequency bands Measurement:

Test was performed in accordance with Clause 11.11 of ANSI C63.10-2013 and/or in Section 11.0 of KDB Publication 558074.

4.7.4. Test Setup Layout

For Radiated band edges Measurement:

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

For Radiated Emissions in non-restricted frequency bands Measurement:

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

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

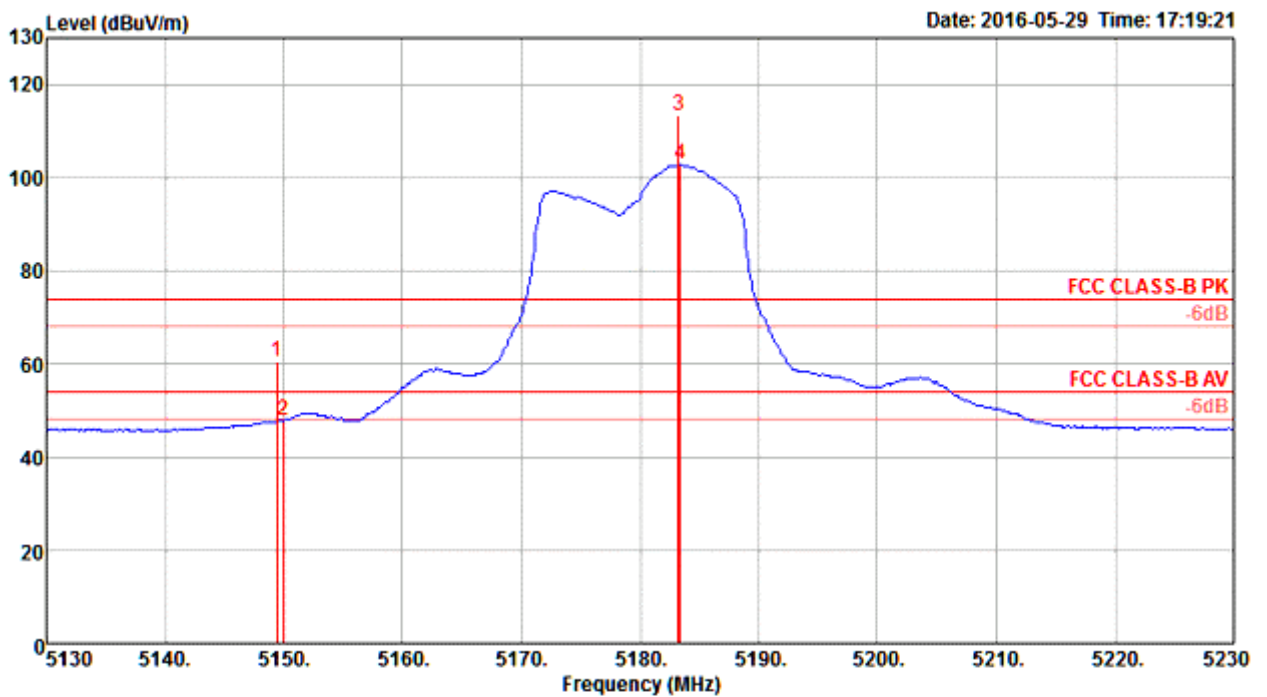
4.7.7. Test Result of Band Edge and Fundamental Emissions

For OMNI antenna:

<For Non-Beamforming Mode>

| | | | |
|---------------|------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

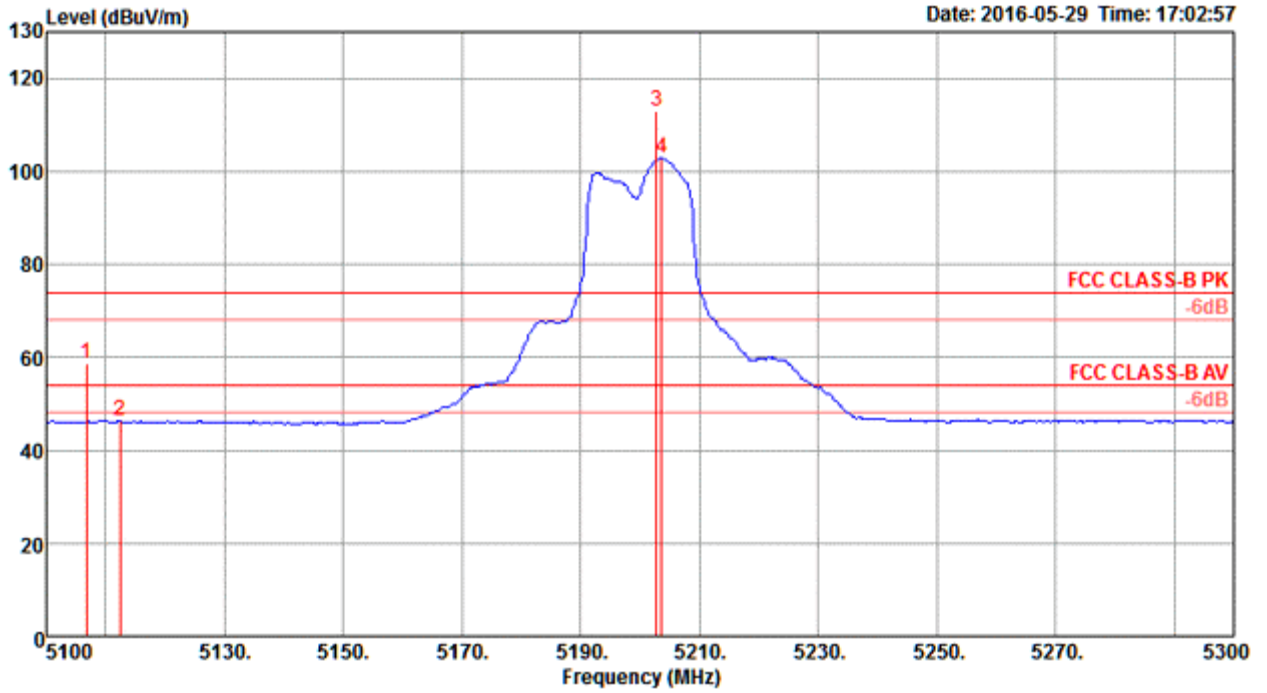
Channel 36



| | 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 | 5149.40 | 60.35 | 74.00 | -13.65 | 53.61 | 7.90 | 33.31 | 34.47 | 199 | 360 | Peak | VERTICAL |
| 2 | 5150.00 | 47.89 | 54.00 | -6.11 | 41.15 | 7.90 | 33.31 | 34.47 | 199 | 360 | Average | VERTICAL |
| 3 | 5183.20 | 113.36 | | | 106.53 | 7.95 | 33.35 | 34.47 | 199 | 360 | Peak | VERTICAL |
| 4 | 5183.40 | 102.83 | | | 96.00 | 7.95 | 33.35 | 34.47 | 199 | 360 | Average | VERTICAL |

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

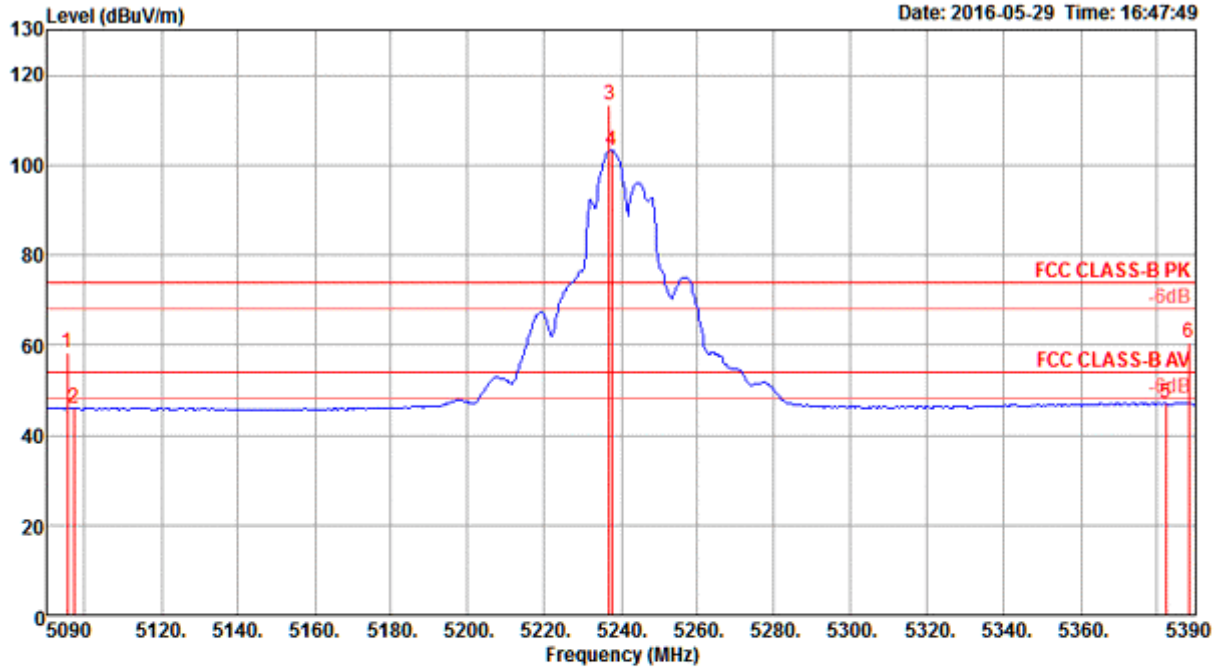
Channel 40



| | 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 | 5106.80 | 58.71 | 74.00 | -15.29 | 52.11 | 7.82 | 33.25 | 34.47 | 198 | 0 Peak | VERTICAL |
| 2 | 5112.40 | 46.43 | 54.00 | -7.57 | 39.78 | 7.85 | 33.27 | 34.47 | 198 | 0 Average | VERTICAL |
| 3 | 5202.80 | 113.02 | | | 106.12 | 7.97 | 33.40 | 34.47 | 198 | 0 Peak | VERTICAL |
| 4 | 5203.60 | 102.85 | | | 95.95 | 7.97 | 33.40 | 34.47 | 198 | 0 Average | VERTICAL |

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

Channel 48

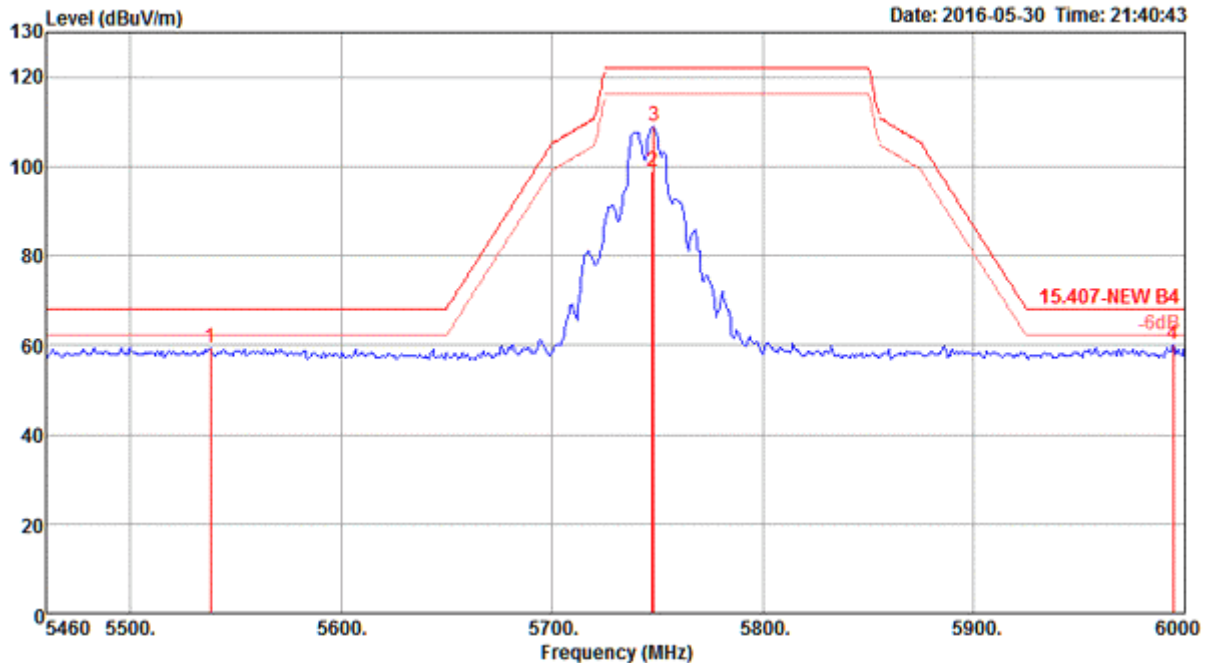


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase | |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|--------|-----------|----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5095.40 | 58.32 | 74.00 | -15.68 | 51.76 | 7.80 | 33.23 | 34.47 | 311 | 336 | Peak | VERTICAL |
| 2 | 5097.20 | 45.95 | 54.00 | -8.05 | 39.39 | 7.80 | 33.23 | 34.47 | 311 | 336 | Average | VERTICAL |
| 3 | 5237.00 | 113.22 | | | 106.30 | 7.95 | 33.44 | 34.47 | 311 | 336 | Peak | VERTICAL |
| 4 | 5237.60 | 103.26 | | | 96.34 | 7.95 | 33.44 | 34.47 | 311 | 336 | Average | VERTICAL |
| 5 | 5382.20 | 47.22 | 54.00 | -6.78 | 40.19 | 7.87 | 33.63 | 34.47 | 311 | 336 | Average | VERTICAL |
| 6 | 5388.20 | 60.56 | 74.00 | -13.44 | 53.52 | 7.86 | 33.65 | 34.47 | 311 | 336 | Peak | VERTICAL |

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

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

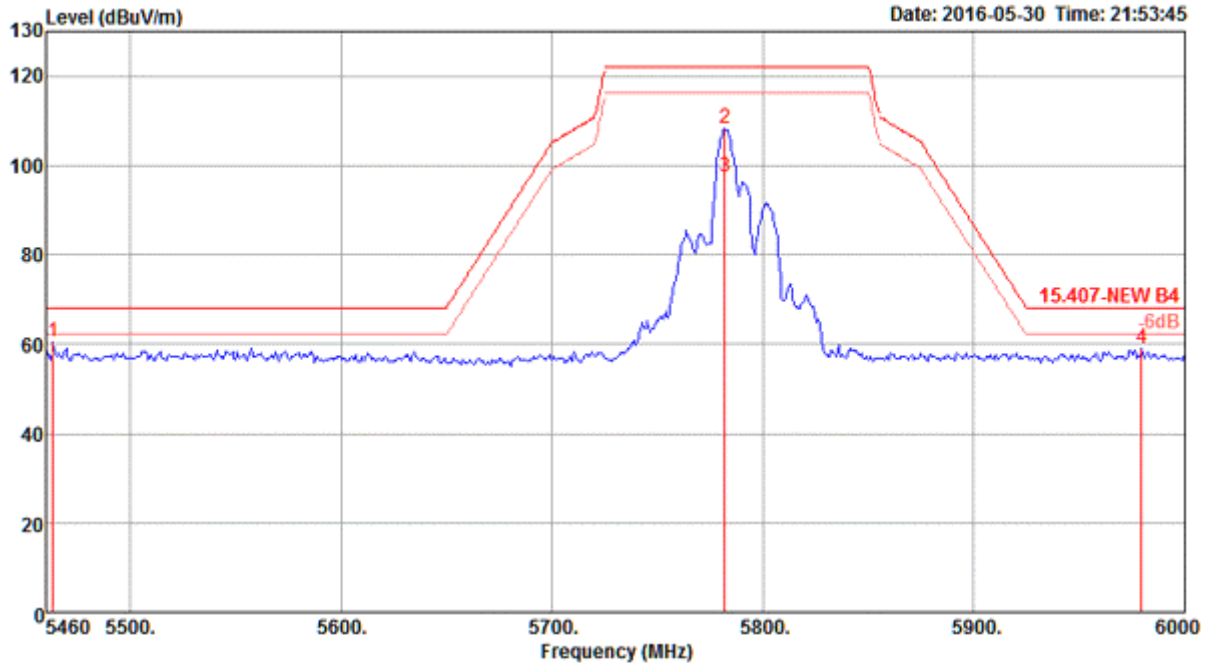
Channel 149



| | 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 | 5537.76 | 59.42 | 68.20 | -8.78 | 52.08 | 7.92 | 33.90 | 34.48 | 230 | 50 | Peak | VERTICAL |
| 2 | 5747.28 | 98.99 | | | 91.10 | 7.86 | 34.55 | 34.52 | 230 | 50 | Average | VERTICAL |
| 3 | 5748.36 | 108.96 | | | 101.07 | 7.86 | 34.55 | 34.52 | 230 | 50 | Peak | VERTICAL |
| 4 | 5994.60 | 60.20 | 68.20 | -8.00 | 51.76 | 7.71 | 35.30 | 34.57 | 230 | 50 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5745 MHz.

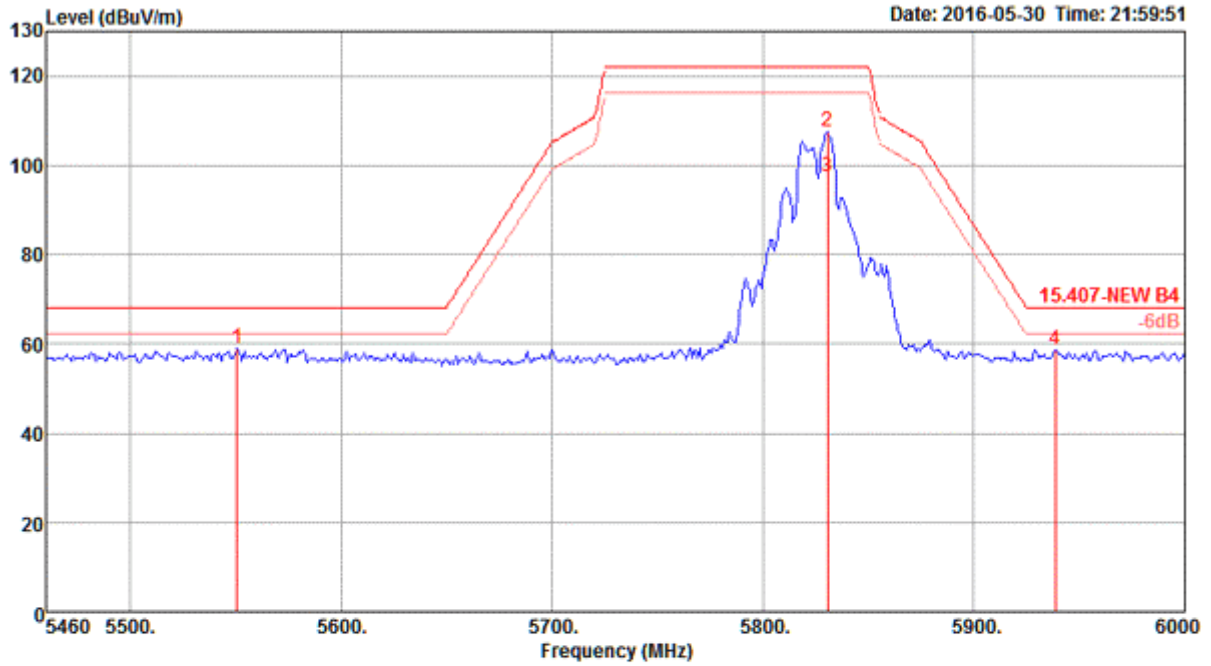
Channel 157



| | 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 | 5463.24 | 60.35 | 68.20 | -7.85 | 53.19 | 7.89 | 33.74 | 34.47 | 218 | 345 | Peak | VERTICAL |
| 2 | 5781.84 | 108.10 | | | 100.14 | 7.84 | 34.65 | 34.53 | 218 | 345 | Peak | VERTICAL |
| 3 | 5781.84 | 97.45 | | | 89.49 | 7.84 | 34.65 | 34.53 | 218 | 345 | Average | VERTICAL |
| 4 | 5979.48 | 58.98 | 68.20 | -9.22 | 50.58 | 7.72 | 35.25 | 34.57 | 218 | 345 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

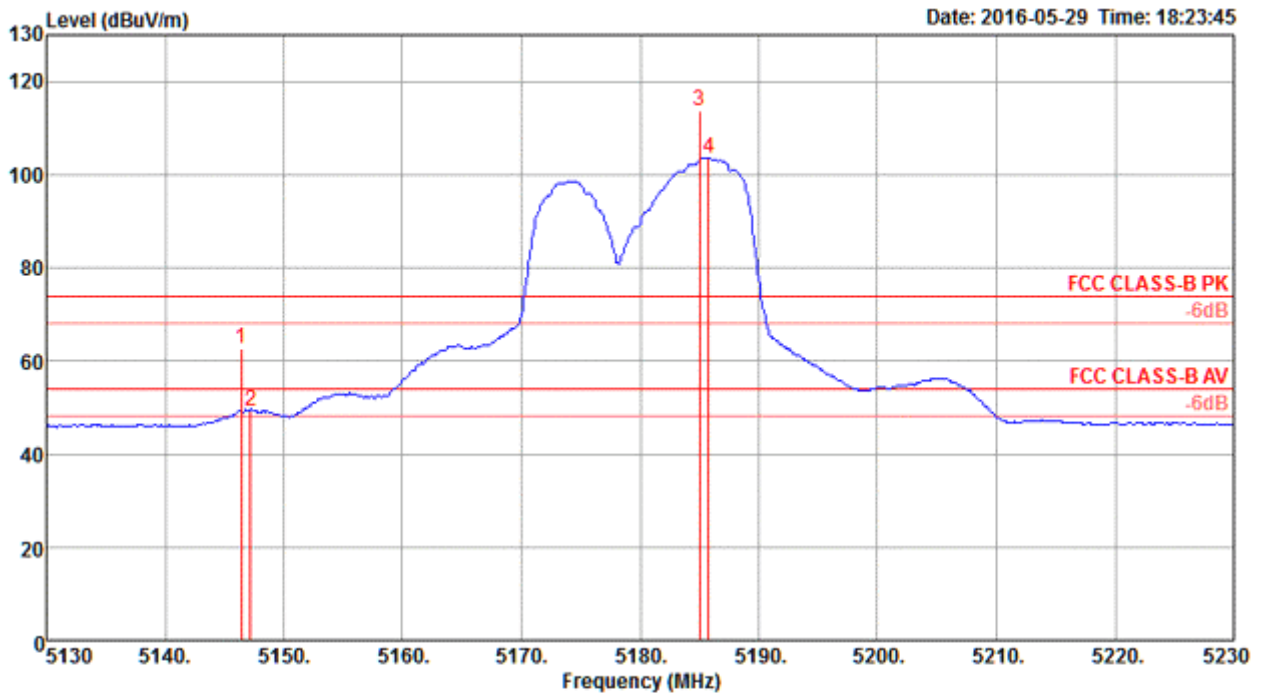


| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5550.72 | 58.98 | 68.20 | -9.22 | 51.58 | 7.93 | 33.95 | 34.48 | 227 | 13 | Peak | VERTICAL |
| 2 | 5830.44 | 107.48 | | | 99.41 | 7.81 | 34.80 | 34.54 | 227 | 13 | Peak | VERTICAL |
| 3 | 5830.44 | 97.40 | | | 89.33 | 7.81 | 34.80 | 34.54 | 227 | 13 | Average | VERTICAL |
| 4 | 5938.44 | 58.79 | 68.20 | -9.41 | 50.50 | 7.75 | 35.10 | 34.56 | 227 | 13 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5825 MHz.

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

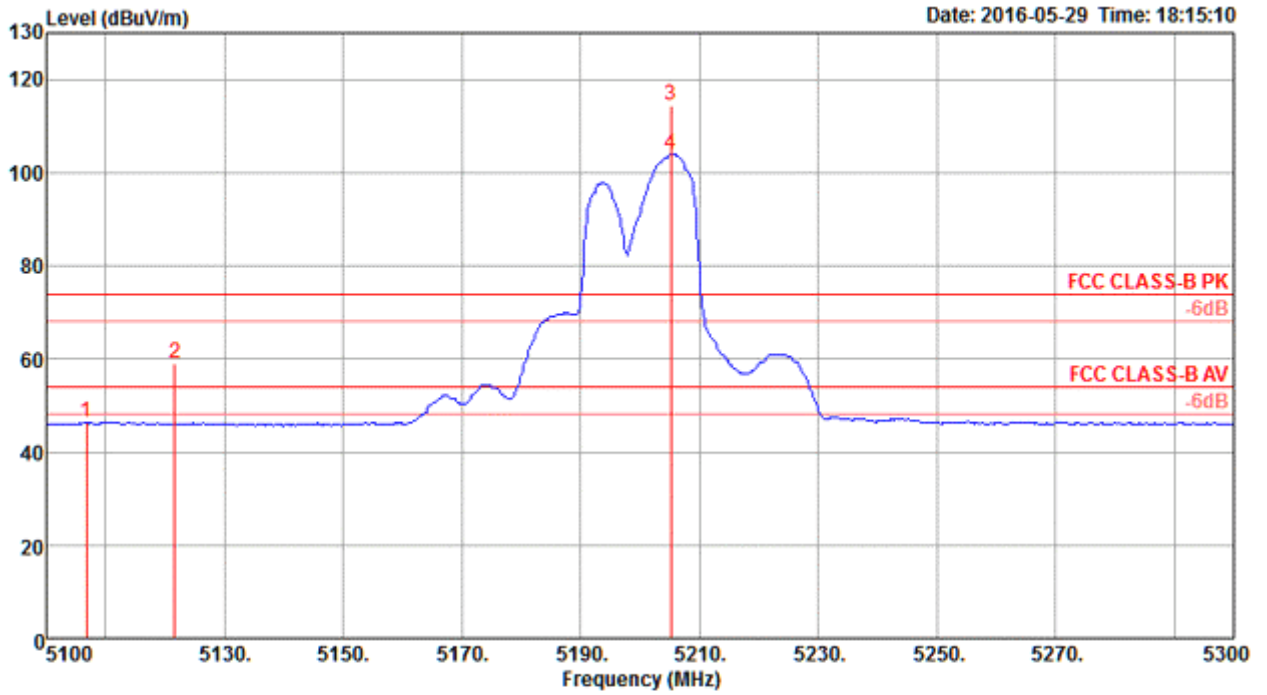
Channel 36



| | 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 | 5146.40 | 62.72 | 74.00 | -11.28 | 55.98 | 7.90 | 33.31 | 34.47 | 205 | 343 | Peak | HORIZONTAL |
| 2 | 5147.20 | 49.21 | 54.00 | -4.79 | 42.47 | 7.90 | 33.31 | 34.47 | 205 | 343 | Average | HORIZONTAL |
| 3 | 5185.00 | 113.66 | | | 106.83 | 7.95 | 33.35 | 34.47 | 205 | 343 | Peak | HORIZONTAL |
| 4 | 5185.80 | 103.48 | | | 96.65 | 7.95 | 33.35 | 34.47 | 205 | 343 | Average | HORIZONTAL |

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

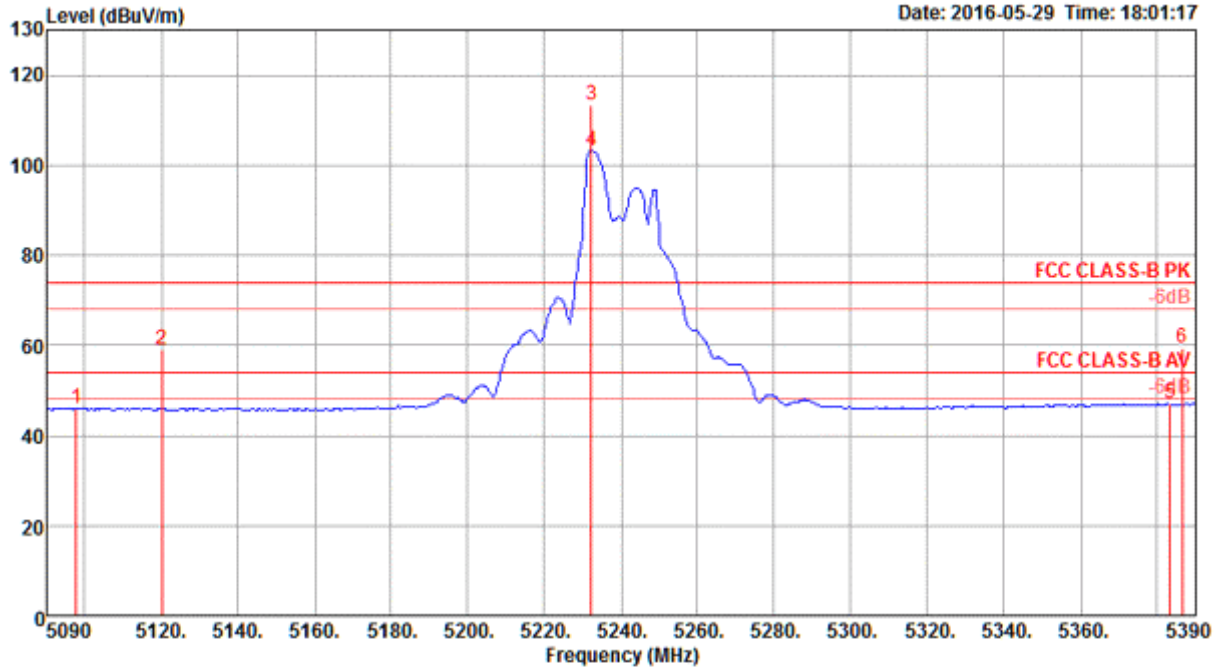
Channel 40



| | 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 | 5106.80 | 46.35 | 54.00 | -7.65 | 39.75 | 7.82 | 33.25 | 34.47 | 202 | 342 | Average | HORIZONTAL |
| 2 | 5121.60 | 58.99 | 74.00 | -15.01 | 52.34 | 7.85 | 33.27 | 34.47 | 202 | 342 | Peak | HORIZONTAL |
| 3 | 5205.20 | 114.28 | | | 107.38 | 7.97 | 33.40 | 34.47 | 202 | 342 | Peak | HORIZONTAL |
| 4 | 5205.20 | 104.07 | | | 97.17 | 7.97 | 33.40 | 34.47 | 202 | 342 | Average | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5200 MHz.

Channel 48

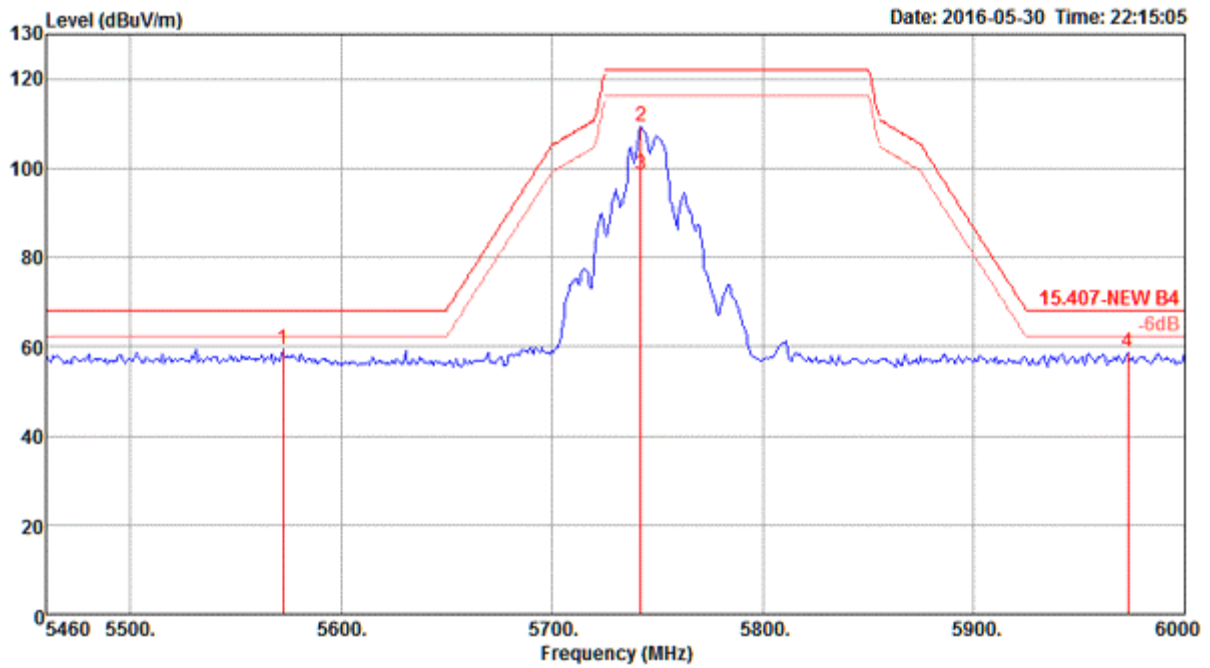


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5097.80 | 46.07 | 54.00 | -7.93 | 39.47 | 7.82 | 33.25 | 34.47 | 199 | 311 Average | HORIZONTAL |
| 2 | 5120.00 | 59.19 | 74.00 | -14.81 | 52.54 | 7.85 | 33.27 | 34.47 | 199 | 311 Peak | HORIZONTAL |
| 3 | 5232.20 | 113.19 | | | 106.27 | 7.95 | 33.44 | 34.47 | 199 | 311 Peak | HORIZONTAL |
| 4 | 5232.20 | 103.08 | | | 96.16 | 7.95 | 33.44 | 34.47 | 199 | 311 Average | HORIZONTAL |
| 5 | 5383.40 | 47.21 | 54.00 | -6.79 | 40.18 | 7.87 | 33.63 | 34.47 | 199 | 311 Average | HORIZONTAL |
| 6 | 5386.40 | 59.50 | 74.00 | -14.50 | 52.46 | 7.86 | 33.65 | 34.47 | 199 | 311 Peak | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5240 MHz.

| | | | |
|---------------|------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

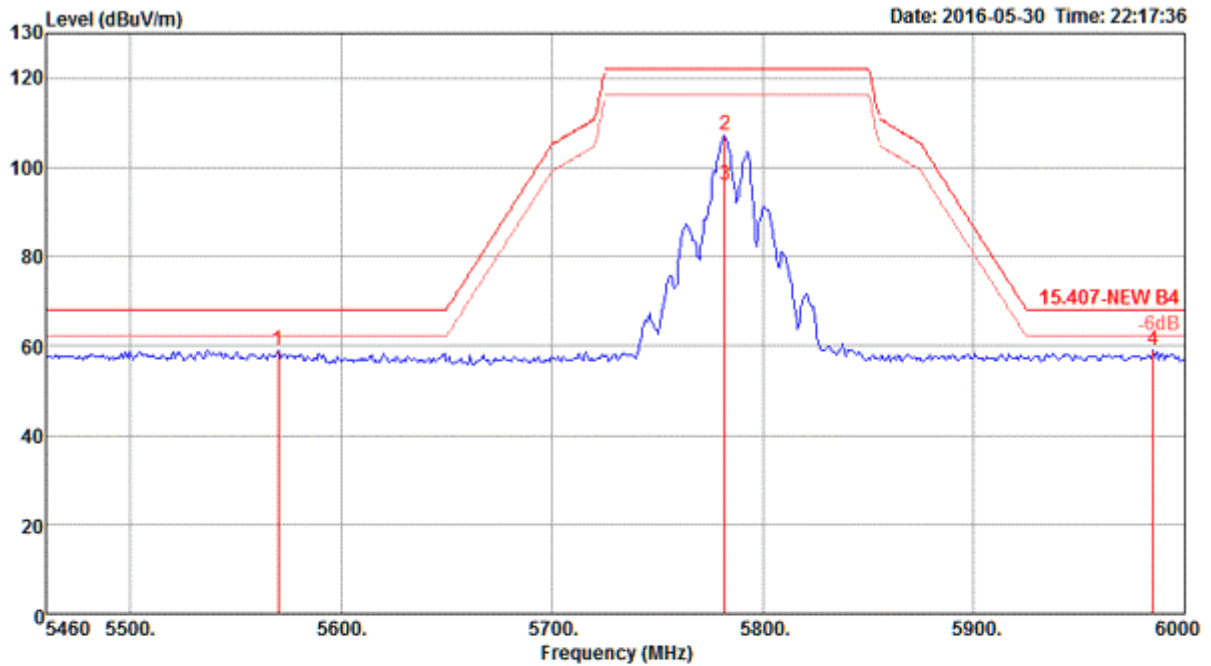
Channel 149



| | 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 | 5572.32 | 59.31 | 68.20 | -8.89 | 51.85 | 7.94 | 34.00 | 34.48 | 232 | 49 | Peak | HORIZONTAL |
| 2 | 5741.88 | 109.22 | | | 101.33 | 7.86 | 34.55 | 34.52 | 232 | 49 | Peak | HORIZONTAL |
| 3 | 5741.88 | 98.66 | | | 90.77 | 7.86 | 34.55 | 34.52 | 232 | 49 | Average | HORIZONTAL |
| 4 | 5973.00 | 58.51 | 68.20 | -9.69 | 50.14 | 7.73 | 35.20 | 34.56 | 232 | 49 | Peak | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5745 MHz.

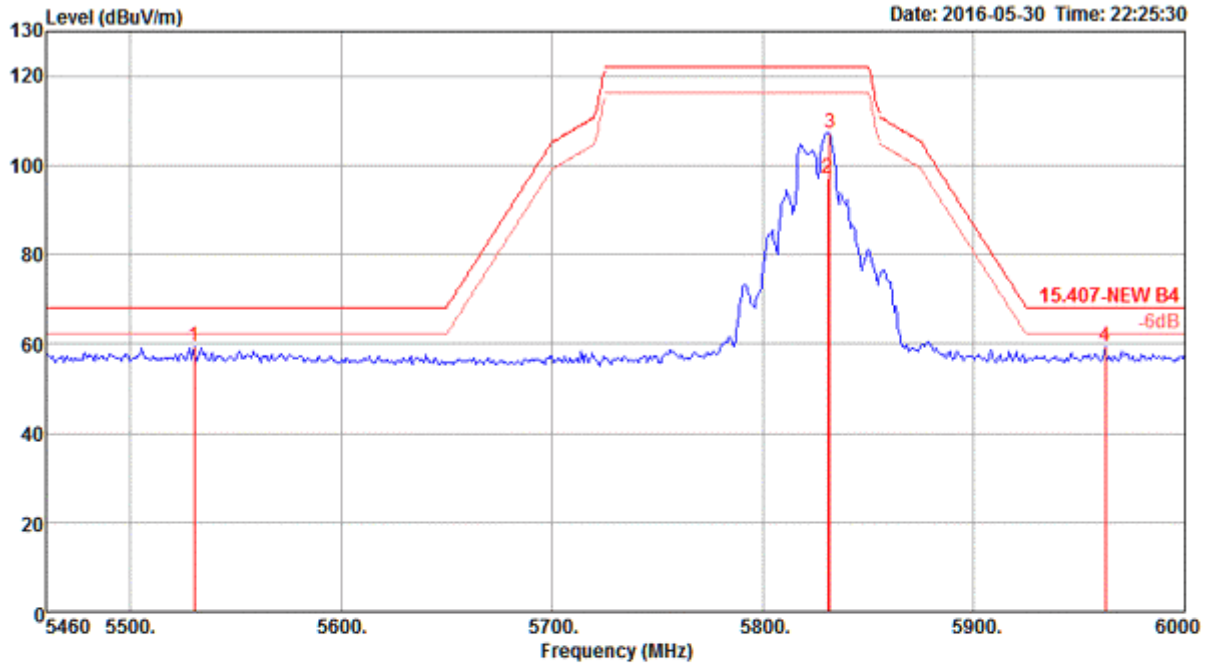
Channel 157



| | 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 | 5570.16 | 59.05 | 68.20 | -9.15 | 51.59 | 7.94 | 34.00 | 34.48 | 228 | 6 | Peak | VERTICAL |
| 2 | 5781.84 | 107.22 | | | 99.26 | 7.84 | 34.65 | 34.53 | 228 | 6 | Peak | VERTICAL |
| 3 | 5781.84 | 95.82 | | | 87.86 | 7.84 | 34.65 | 34.53 | 228 | 6 | Average | VERTICAL |
| 4 | 5984.88 | 59.12 | 68.20 | -9.08 | 50.72 | 7.72 | 35.25 | 34.57 | 228 | 6 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

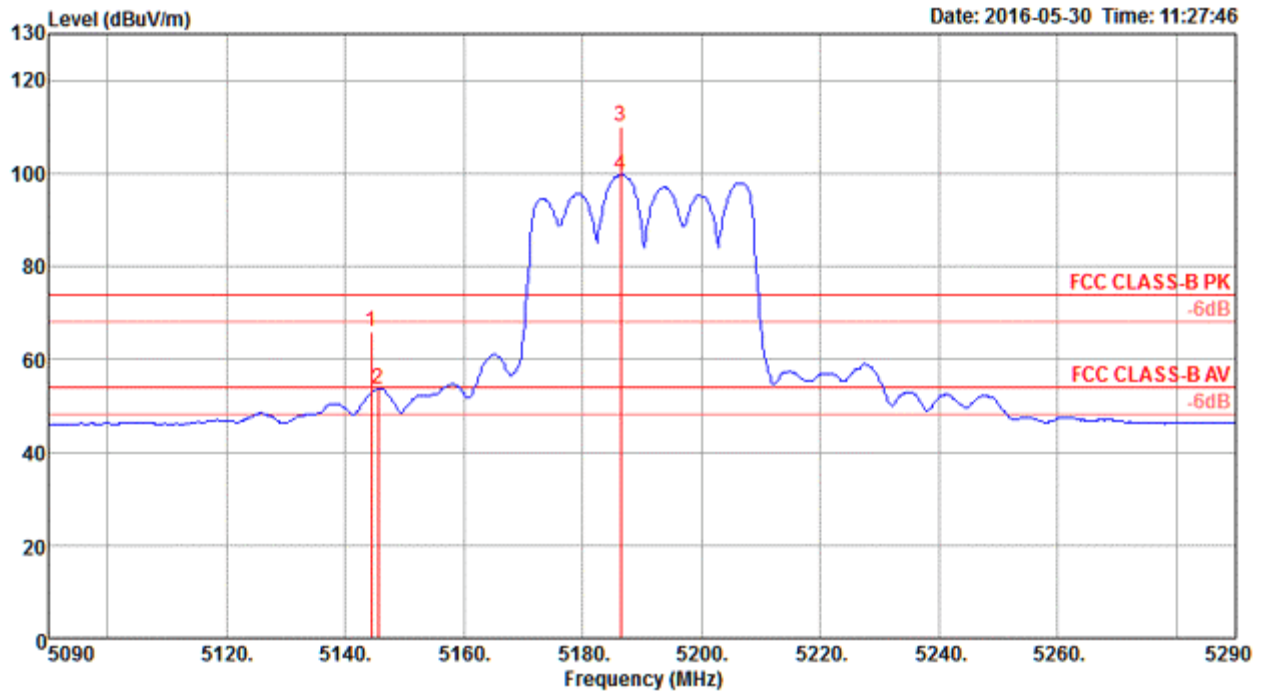


| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5530.20 | 59.26 | 68.20 | -8.94 | 51.92 | 7.92 | 33.90 | 34.48 | 228 | 13 | Peak | VERTICAL |
| 2 | 5830.44 | 97.14 | | | 89.07 | 7.81 | 34.80 | 34.54 | 228 | 13 | Peak | VERTICAL |
| 3 | 5831.52 | 107.03 | | | 98.96 | 7.81 | 34.80 | 34.54 | 228 | 13 | Average | VERTICAL |
| 4 | 5962.20 | 59.44 | 68.20 | -8.76 | 51.07 | 7.73 | 35.20 | 34.56 | 228 | 13 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5825 MHz.

| | | | |
|---------------|------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

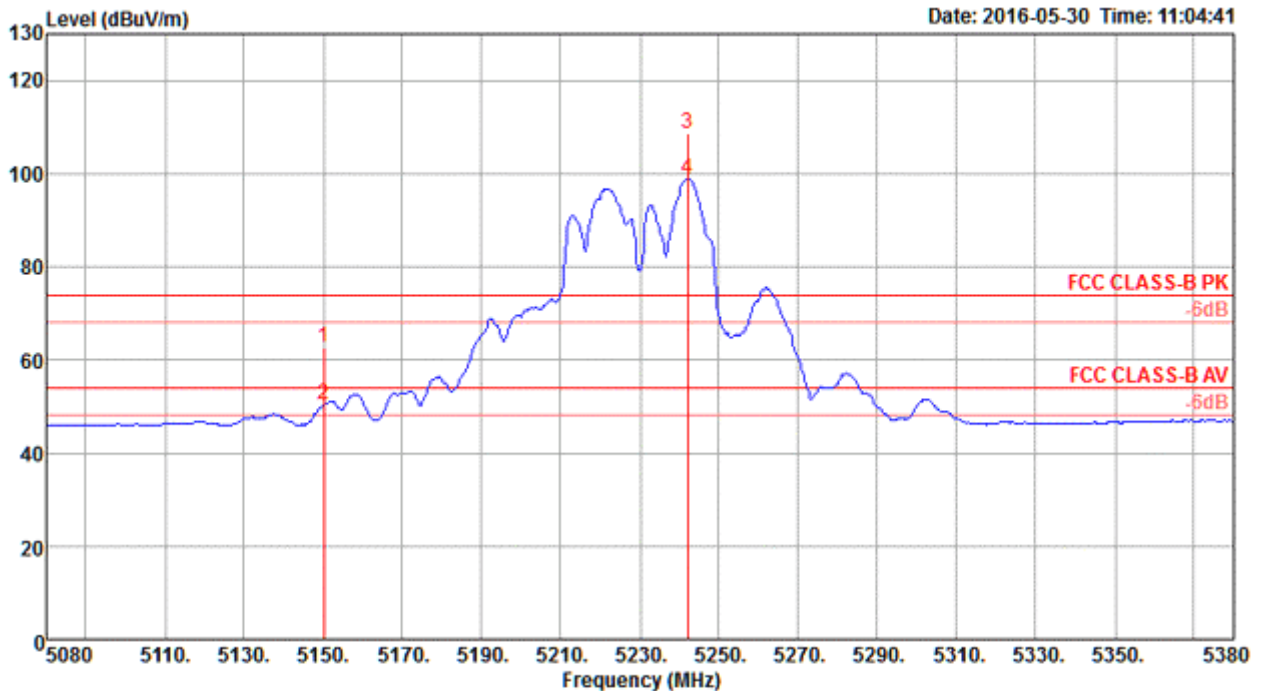
Channel 38



| | 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 | 5144.40 | 65.91 | 74.00 | -8.09 | 59.17 | 7.90 | 33.31 | 34.47 | 206 | 306 | Peak | HORIZONTAL |
| 2 | 5145.60 | 53.59 | 54.00 | -0.41 | 46.85 | 7.90 | 33.31 | 34.47 | 206 | 306 | Average | HORIZONTAL |
| 3 | 5186.40 | 110.07 | | | 103.24 | 7.95 | 33.35 | 34.47 | 206 | 306 | Peak | HORIZONTAL |
| 4 | 5186.40 | 99.57 | | | 92.74 | 7.95 | 33.35 | 34.47 | 206 | 306 | Average | HORIZONTAL |

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

Channel 46

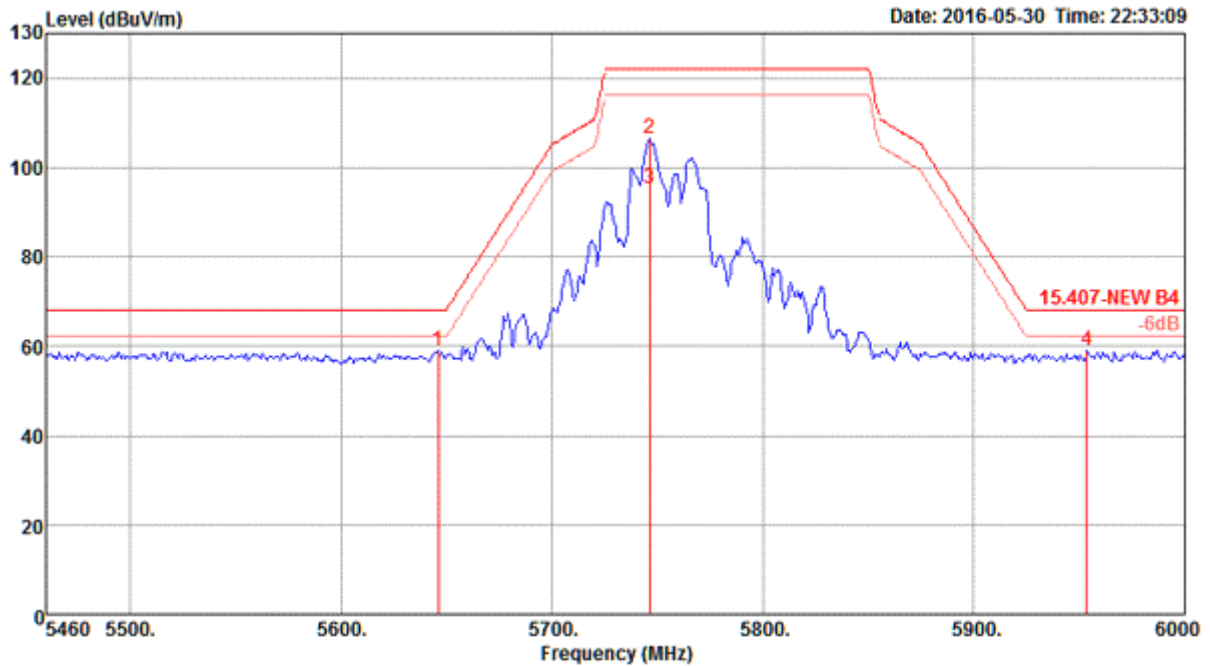


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase | |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|--------|-----------|----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5150.00 | 62.50 | 74.00 | -11.50 | 55.76 | 7.90 | 33.31 | 34.47 | 152 | 303 | Peak | VERTICAL |
| 2 | 5150.00 | 50.21 | 54.00 | -3.79 | 43.47 | 7.90 | 33.31 | 34.47 | 152 | 303 | Average | VERTICAL |
| 3 | 5242.00 | 108.77 | | | 101.85 | 7.95 | 33.44 | 34.47 | 152 | 303 | Peak | VERTICAL |
| 4 | 5242.00 | 98.85 | | | 91.93 | 7.95 | 33.44 | 34.47 | 152 | 303 | Average | VERTICAL |

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

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

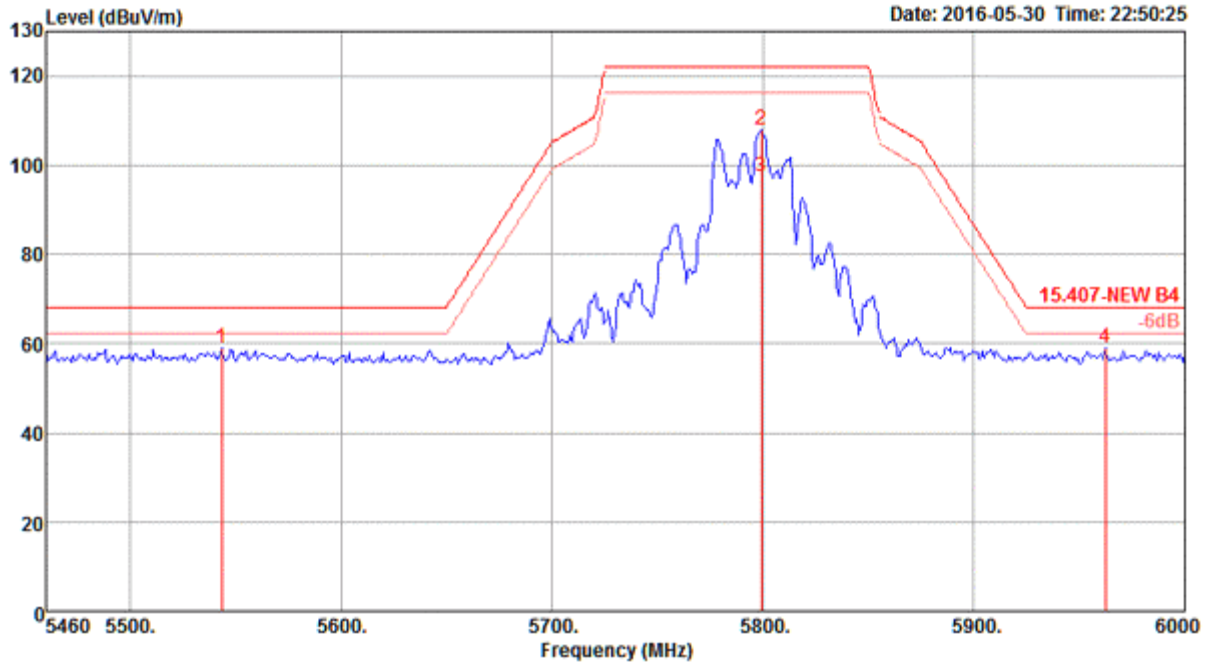
Channel 151



| | 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 | 5645.76 | 58.93 | 68.20 | -9.27 | 51.26 | 7.92 | 34.25 | 34.50 | 220 | 33 Peak | VERTICAL |
| 2 | 5746.20 | 106.58 | | | 98.69 | 7.86 | 34.55 | 34.52 | 220 | 33 Peak | VERTICAL |
| 3 | 5746.20 | 95.41 | | | 87.52 | 7.86 | 34.55 | 34.52 | 220 | 33 Average | VERTICAL |
| 4 | 5953.56 | 59.18 | 68.20 | -9.02 | 50.85 | 7.74 | 35.15 | 34.56 | 220 | 33 Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

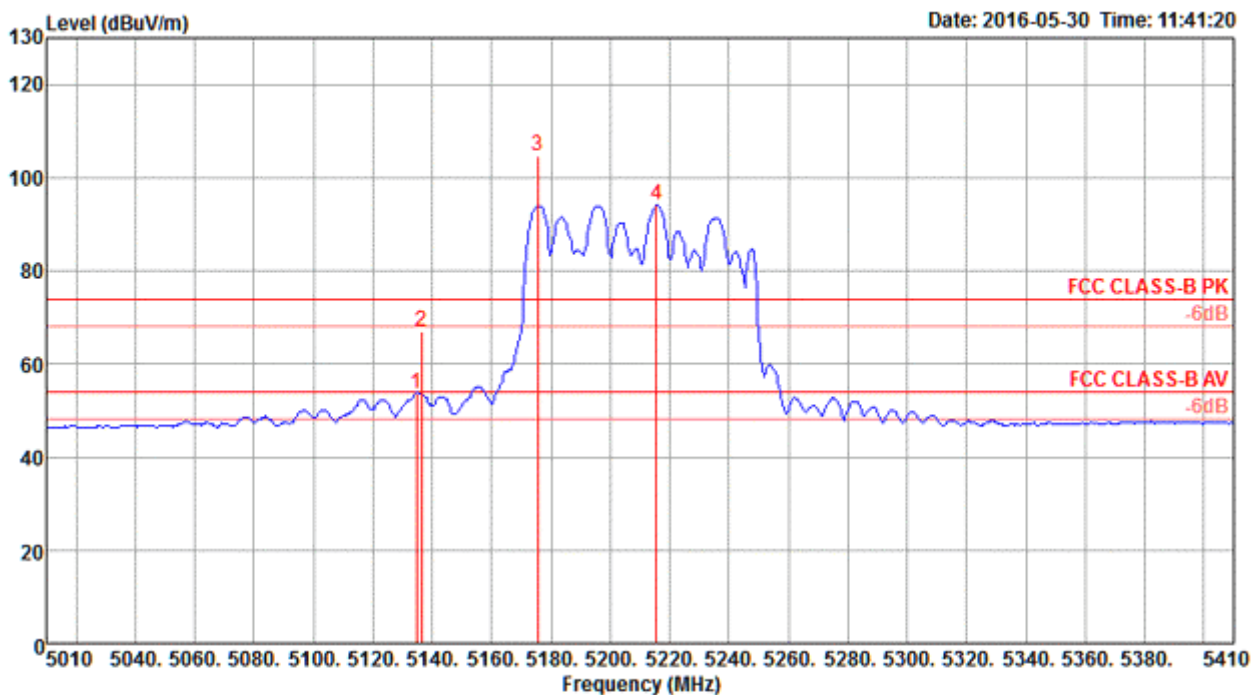


| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|-------|-------|-------|---------|--------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5543.16 | 59.17 | 68.20 | -9.03 | 51.77 | 7.93 | 33.95 | 34.48 | 245 | 64 | Peak | HORIZONTAL |
| 2 | 5799.12 | 107.85 | | | 99.85 | 7.83 | 34.70 | 34.53 | 245 | 64 | Peak | HORIZONTAL |
| 3 | 5799.12 | 97.41 | | | 89.41 | 7.83 | 34.70 | 34.53 | 245 | 64 | Average | HORIZONTAL |
| 4 | 5962.20 | 59.09 | 68.20 | -9.11 | 50.72 | 7.73 | 35.20 | 34.56 | 245 | 64 | Peak | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5795 MHz.

| | | | |
|---------------|------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 |

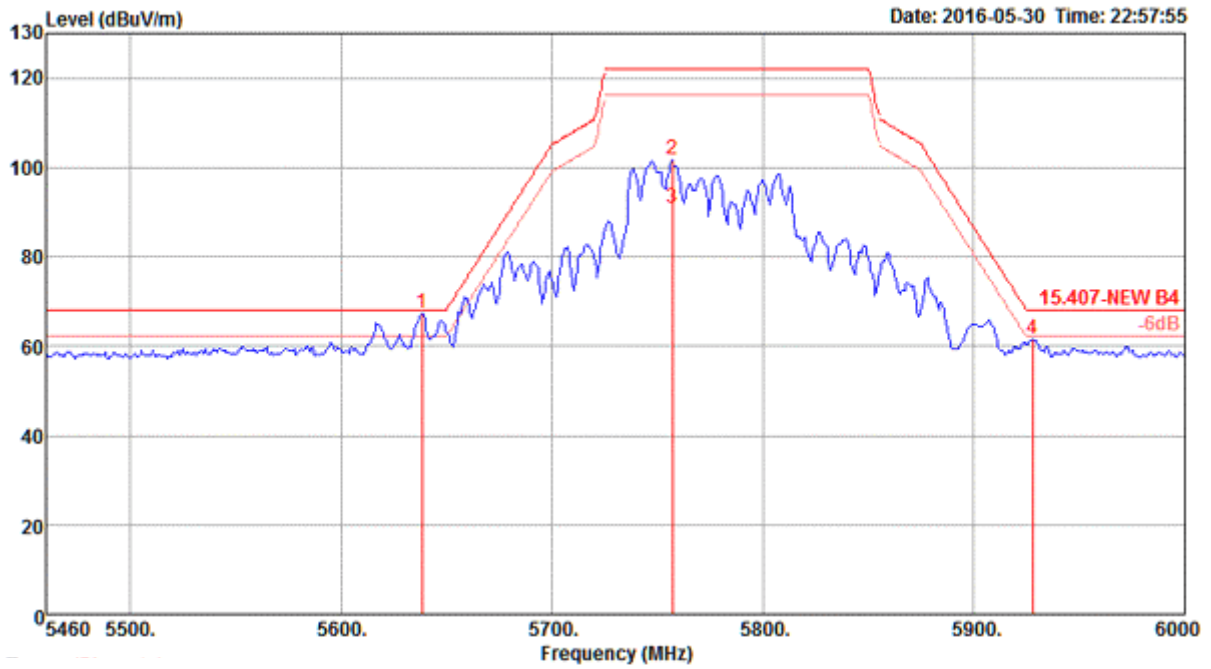
Channel 42



| | 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 | 5134.80 | 53.57 | 54.00 | -0.43 | 46.87 | 7.88 | 33.29 | 34.47 | 188 | 348 Average | VERTICAL |
| 2 | 5136.40 | 67.17 | 74.00 | -6.83 | 60.47 | 7.88 | 33.29 | 34.47 | 188 | 348 Peak | VERTICAL |
| 3 | 5175.60 | 104.61 | | | 97.78 | 7.95 | 33.35 | 34.47 | 188 | 348 Peak | VERTICAL |
| 4 | 5215.60 | 94.18 | | | 87.28 | 7.97 | 33.40 | 34.47 | 188 | 348 Average | VERTICAL |

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

Channel 155



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5638.20 | 67.24 | 68.20 | -0.96 | 59.61 | 7.93 | 34.20 | 34.50 | 233 | 44 | Peak | VERTICAL |
| 2 | 5757.00 | 101.60 | | | 93.67 | 7.85 | 34.60 | 34.52 | 233 | 44 | Peak | VERTICAL |
| 3 | 5757.00 | 90.90 | | | 82.97 | 7.85 | 34.60 | 34.52 | 233 | 44 | Average | VERTICAL |
| 4 | 5927.64 | 61.41 | 68.20 | -6.79 | 53.12 | 7.75 | 35.10 | 34.56 | 233 | 44 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

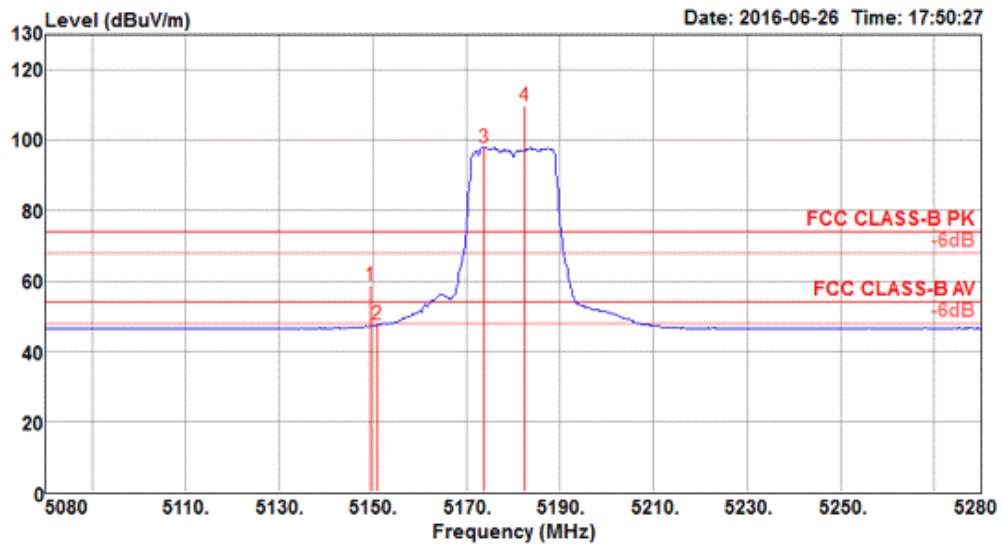
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

<For Beamforming Mode>

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

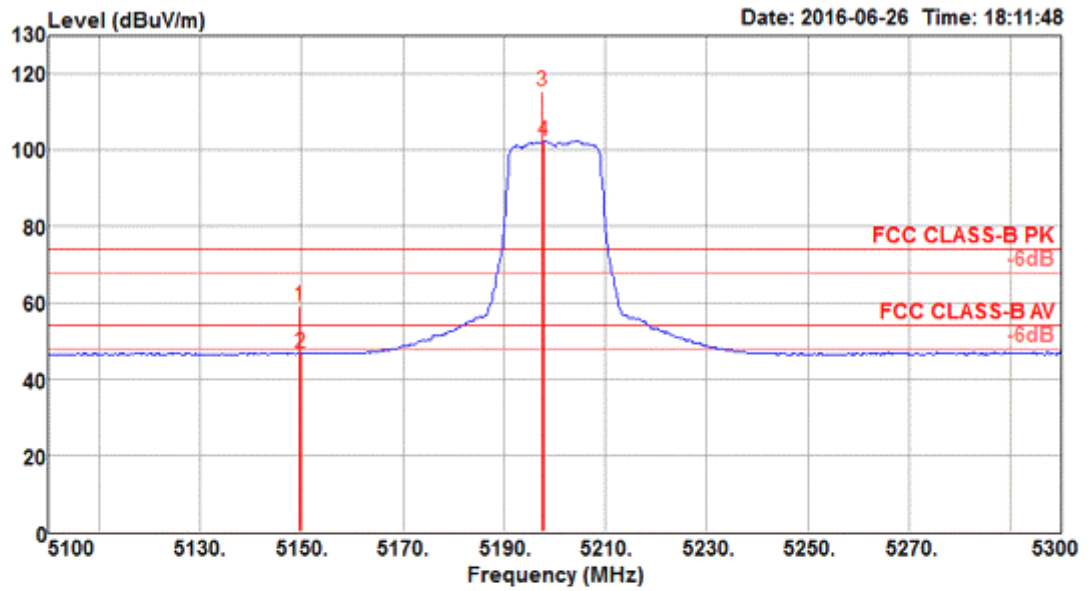
Channel 36



| | 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 | 5149.68 | 58.77 | 74.00 | -15.23 | 51.35 | 7.48 | 34.85 | 34.91 | 170 | 33 Peak | HORIZONTAL |
| 2 | 5151.00 | 47.48 | 54.00 | -6.52 | 40.06 | 7.48 | 34.85 | 34.91 | 170 | 33 Average | HORIZONTAL |
| 3 | 5173.91 | 97.83 | | | 90.38 | 7.48 | 34.88 | 34.91 | 170 | 33 Average | HORIZONTAL |
| 4 | 5182.56 | 109.86 | | | 102.41 | 7.48 | 34.88 | 34.91 | 170 | 33 Peak | HORIZONTAL |

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

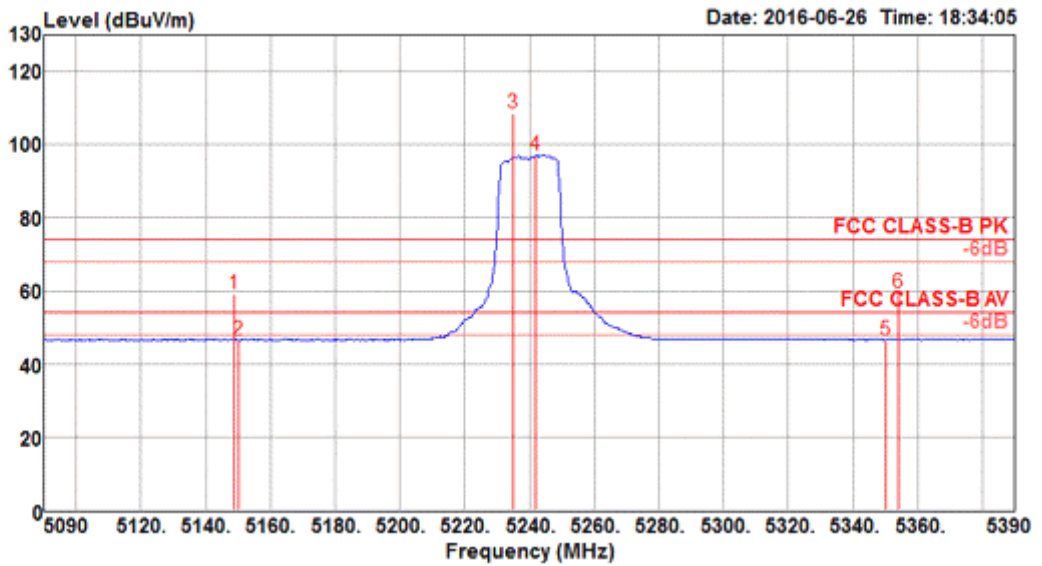
Channel 40



| | 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 | 5149.68 | 59.10 | 74.00 | -14.90 | 51.68 | 7.48 | 34.85 | 34.91 | 160 | 306 Peak | VERTICAL |
| 2 | 5150.00 | 46.62 | 54.00 | -7.38 | 39.20 | 7.48 | 34.85 | 34.91 | 160 | 306 Average | VERTICAL |
| 3 | 5197.44 | 115.44 | | | 107.97 | 7.48 | 34.90 | 34.91 | 160 | 306 Peak | VERTICAL |
| 4 | 5197.76 | 102.30 | | | 94.83 | 7.48 | 34.90 | 34.91 | 160 | 306 Average | VERTICAL |

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

Channel 48

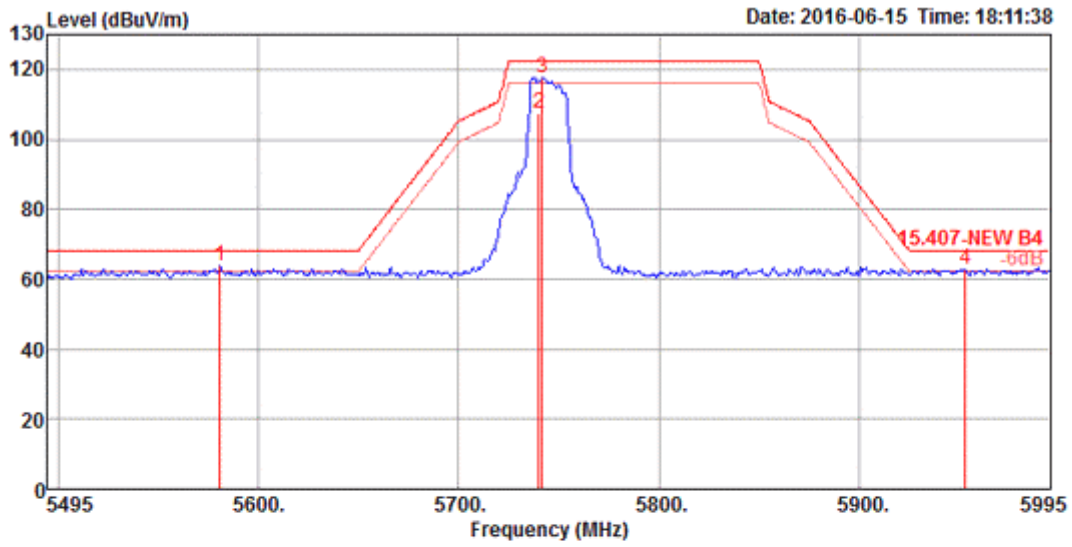


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase | |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|--------|-----------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5149.04 | 59.00 | 74.00 | -15.00 | 51.58 | 7.48 | 34.85 | 34.91 | 154 | 334 | Peak | HORIZONTAL |
| 2 | 5150.00 | 46.56 | 54.00 | -7.44 | 39.14 | 7.48 | 34.85 | 34.91 | 154 | 334 | Average | HORIZONTAL |
| 3 | 5235.19 | 108.49 | | | 100.96 | 7.50 | 34.94 | 34.91 | 154 | 334 | Peak | HORIZONTAL |
| 4 | 5241.92 | 97.18 | | | 89.65 | 7.50 | 34.94 | 34.91 | 154 | 334 | Average | HORIZONTAL |
| 5 | 5350.00 | 46.60 | 54.00 | -7.40 | 38.90 | 7.56 | 35.05 | 34.91 | 154 | 334 | Average | HORIZONTAL |
| 6 | 5353.85 | 59.43 | 74.00 | -14.57 | 51.73 | 7.56 | 35.05 | 34.91 | 154 | 334 | Peak | HORIZONTAL |

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

| | | | |
|---------------|------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

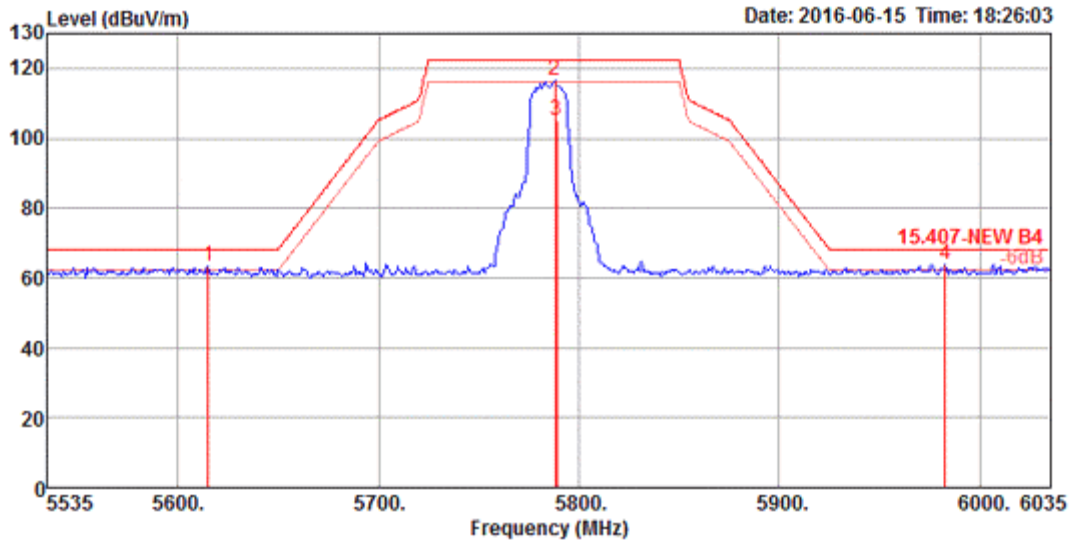
Channel 149



| | 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 | 5581.00 | 63.96 | 68.20 | -4.24 | 54.39 | 8.42 | 34.03 | 32.88 | 232 | 229 | Peak | VERTICAL |
| 2 | 5740.00 | 107.24 | | | 97.21 | 8.42 | 34.50 | 32.89 | 232 | 229 | Average | VERTICAL |
| 3 | 5742.00 | 117.54 | | | 107.51 | 8.42 | 34.50 | 32.89 | 232 | 229 | Peak | VERTICAL |
| 4 | 5953.00 | 62.95 | 68.20 | -5.25 | 52.43 | 8.37 | 35.06 | 32.91 | 232 | 229 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5745 MHz.

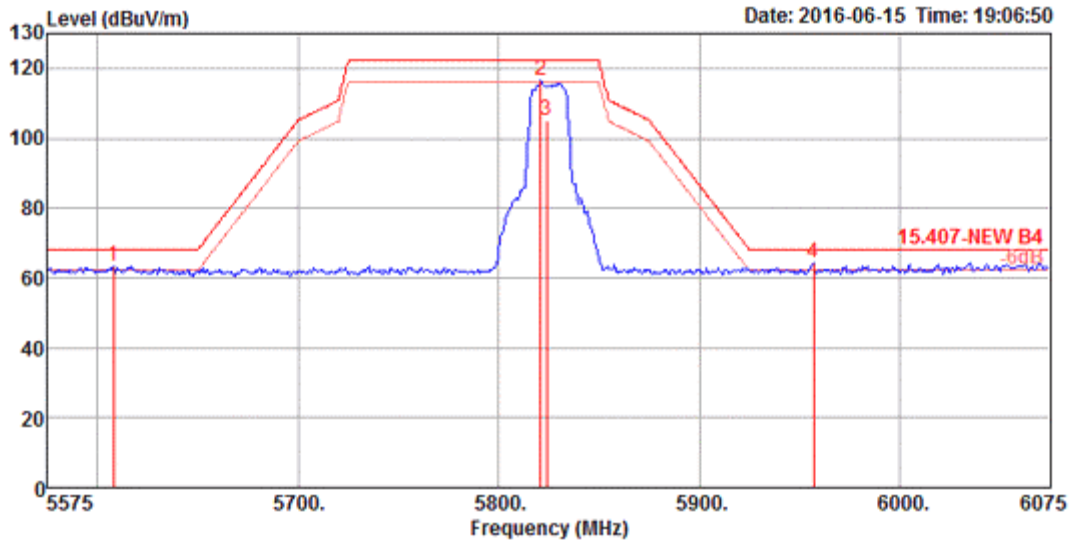
Channel 157



| | 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 | 5615.00 | 63.26 | 68.20 | -4.94 | 53.55 | 8.46 | 34.13 | 32.88 | 219 | 182 | Peak | VERTICAL |
| 2 | 5788.00 | 116.48 | | | 106.38 | 8.41 | 34.59 | 32.90 | 219 | 182 | Peak | VERTICAL |
| 3 | 5789.00 | 105.13 | | | 94.99 | 8.40 | 34.64 | 32.90 | 219 | 182 | Average | VERTICAL |
| 4 | 5983.00 | 63.94 | 68.20 | -4.26 | 53.35 | 8.36 | 35.15 | 32.92 | 219 | 182 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

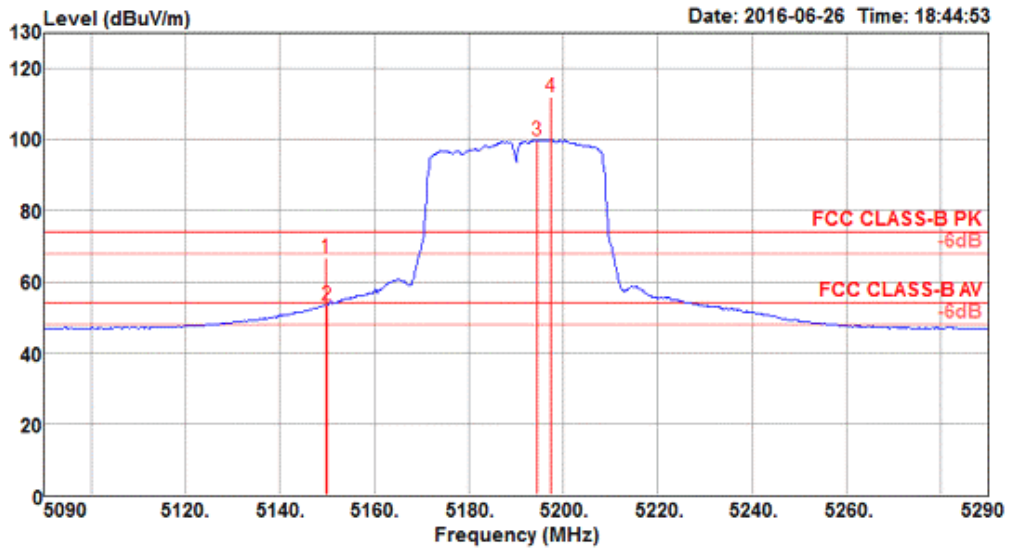


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase | |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|--------|-----------|----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5608.00 | 63.32 | 68.20 | -4.88 | 53.61 | 8.46 | 34.13 | 32.88 | 222 | 188 | Peak | VERTICAL |
| 2 | 5821.00 | 116.40 | | | 106.21 | 8.40 | 34.69 | 32.90 | 222 | 188 | Peak | VERTICAL |
| 3 | 5824.00 | 105.11 | | | 94.89 | 8.39 | 34.73 | 32.90 | 222 | 188 | Average | VERTICAL |
| 4 | 5957.00 | 64.49 | 68.20 | -3.71 | 53.98 | 8.37 | 35.06 | 32.92 | 222 | 188 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5825 MHz.

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

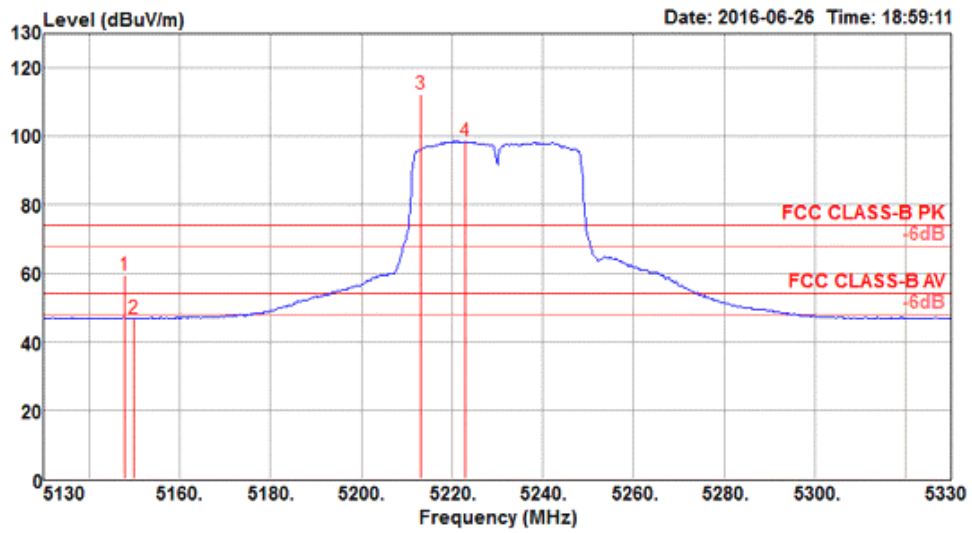
Channel 38



| | 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 | 5149.62 | 66.73 | 74.00 | -7.27 | 59.31 | 7.48 | 34.85 | 34.91 | 150 | 308 | Peak | VERTICAL |
| 2 | 5150.00 | 53.40 | 54.00 | -0.60 | 45.98 | 7.48 | 34.85 | 34.91 | 150 | 308 | Average | VERTICAL |
| 3 | 5194.49 | 99.85 | | | 92.38 | 7.48 | 34.90 | 34.91 | 150 | 308 | Average | VERTICAL |
| 4 | 5197.37 | 112.03 | | | 104.56 | 7.48 | 34.90 | 34.91 | 150 | 308 | Peak | VERTICAL |

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

Channel 46

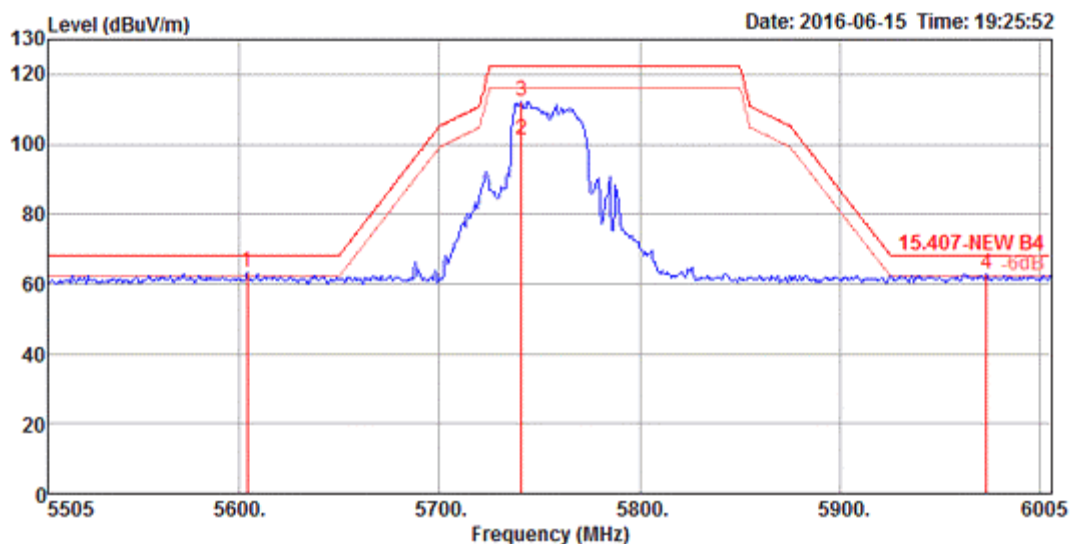


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5147.95 | 59.44 | 74.00 | -14.56 | 52.02 | 7.48 | 34.85 | 34.91 | 151 | 349 Peak | VERTICAL |
| 2 | 5150.00 | 46.76 | 54.00 | -7.24 | 39.34 | 7.48 | 34.85 | 34.91 | 151 | 349 Average | VERTICAL |
| 3 | 5213.01 | 112.26 | | | 104.77 | 7.49 | 34.91 | 34.91 | 151 | 349 Peak | VERTICAL |
| 4 | 5222.95 | 98.48 | | | 90.96 | 7.50 | 34.93 | 34.91 | 151 | 349 Average | VERTICAL |

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

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

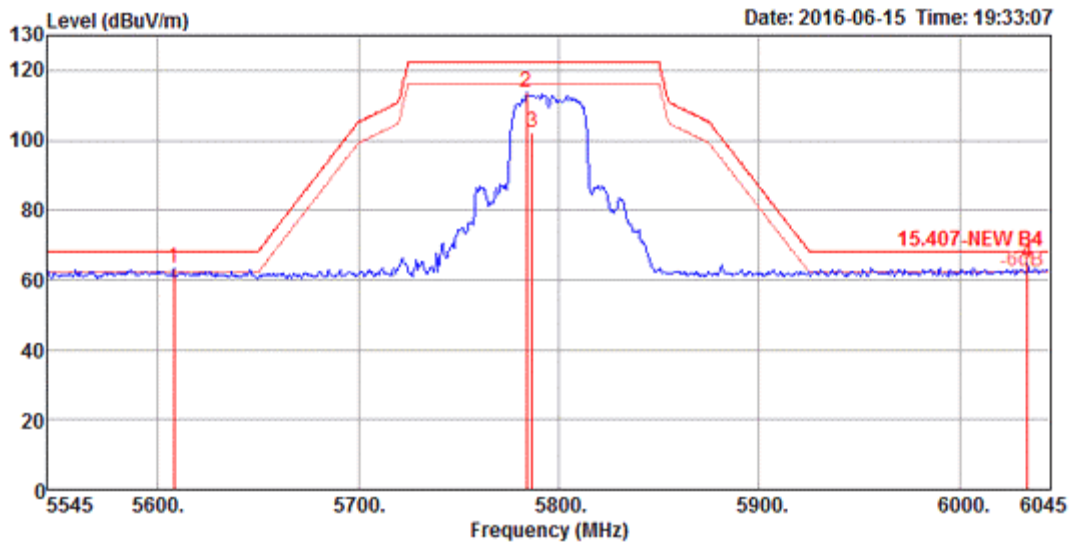
Channel 151



| | 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 | 5604.00 | 63.31 | 68.20 | -4.89 | 53.64 | 8.47 | 34.08 | 32.88 | 204 | 227 Peak | HORIZONTAL |
| 2 | 5741.00 | 101.02 | | | 90.99 | 8.42 | 34.50 | 32.89 | 204 | 227 Average | HORIZONTAL |
| 3 | 5741.00 | 112.20 | | | 102.17 | 8.42 | 34.50 | 32.89 | 204 | 227 Peak | HORIZONTAL |
| 4 | 5973.00 | 62.96 | 68.20 | -5.24 | 52.40 | 8.37 | 35.11 | 32.92 | 204 | 227 Peak | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

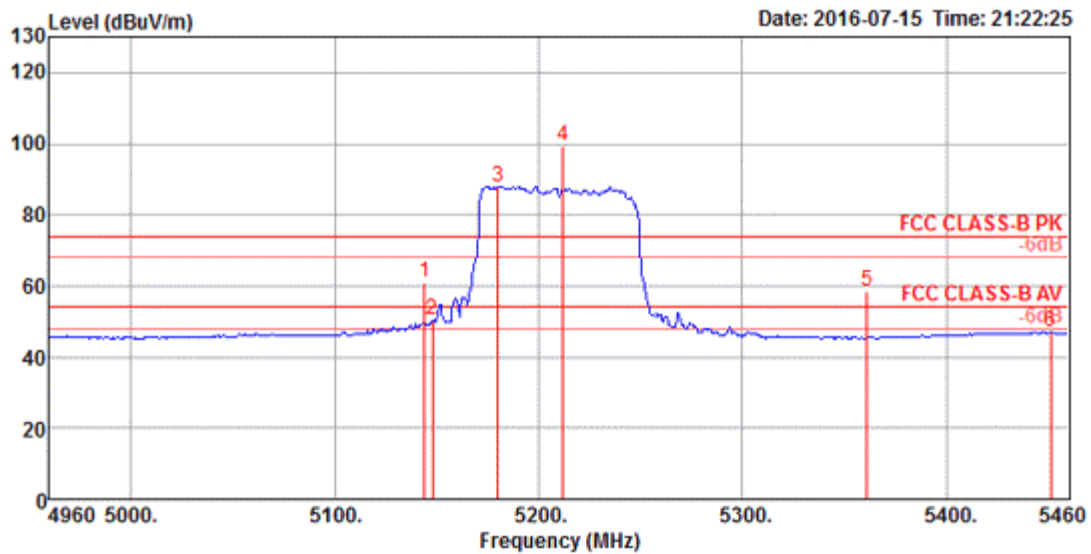


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase | |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|--------|-----------|----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5608.00 | 63.26 | 68.20 | -4.94 | 53.55 | 8.46 | 34.13 | 32.88 | 222 | 168 | Peak | VERTICAL |
| 2 | 5784.00 | 113.58 | | | 103.48 | 8.41 | 34.59 | 32.90 | 222 | 168 | Peak | VERTICAL |
| 3 | 5787.00 | 102.07 | | | 91.97 | 8.41 | 34.59 | 32.90 | 222 | 168 | Average | VERTICAL |
| 4 | 6034.00 | 64.90 | 68.20 | -3.30 | 54.11 | 8.47 | 35.24 | 32.92 | 222 | 168 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5795 MHz.

| | | | |
|---------------|------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 |

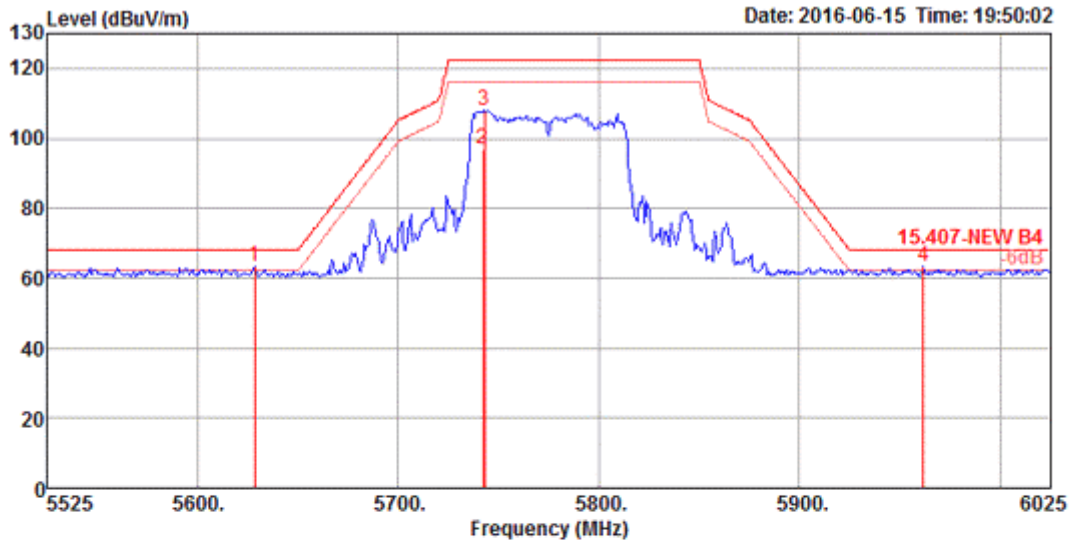
Channel 42



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5144.00 | 60.89 | 74.00 | -13.11 | 56.34 | 7.88 | 33.17 | 36.50 | 168 | 356 | Peak | VERTICAL |
| 2 | 5148.00 | 50.53 | 54.00 | -3.47 | 45.98 | 7.88 | 33.17 | 36.50 | 168 | 356 | Average | VERTICAL |
| 3 | 5180.00 | 87.70 | | | 83.05 | 7.91 | 33.23 | 36.49 | 168 | 356 | Average | VERTICAL |
| 4 | 5212.00 | 99.15 | | | 94.44 | 7.92 | 33.28 | 36.49 | 168 | 356 | Peak | VERTICAL |
| 5 | 5361.00 | 58.57 | 74.00 | -15.43 | 53.60 | 7.88 | 33.55 | 36.46 | 168 | 356 | Peak | VERTICAL |
| 6 | 5451.00 | 46.86 | 54.00 | -7.14 | 41.53 | 8.05 | 33.72 | 36.44 | 168 | 356 | Average | VERTICAL |

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

Channel 155



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5628.00 | 63.16 | 68.20 | -5.04 | 53.41 | 8.46 | 34.17 | 32.88 | 202 | 184 | Peak | VERTICAL |
| 2 | 5742.00 | 97.11 | | | 87.08 | 8.42 | 34.50 | 32.89 | 202 | 184 | Average | VERTICAL |
| 3 | 5743.00 | 107.83 | | | 97.80 | 8.42 | 34.50 | 32.89 | 202 | 184 | Peak | VERTICAL |
| 4 | 5962.00 | 63.20 | 68.20 | -5.00 | 52.64 | 8.37 | 35.11 | 32.92 | 202 | 184 | Peak | VERTICAL |

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

Note:

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

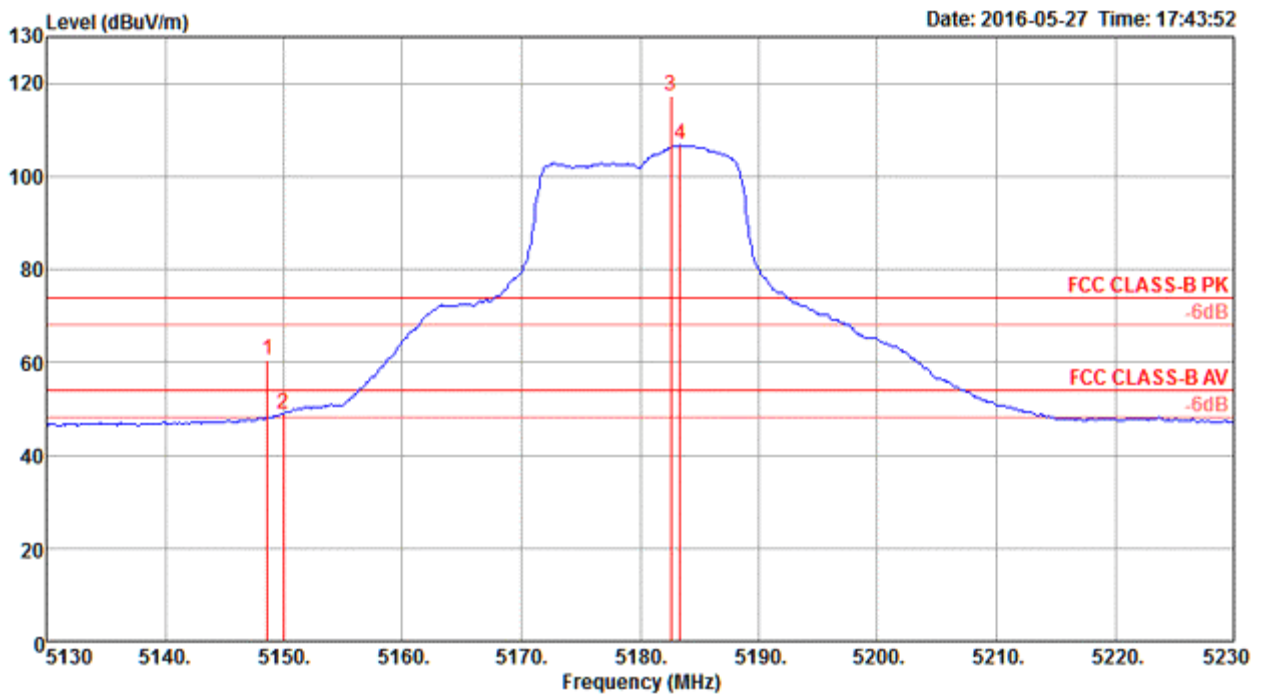
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

For Directional antenna:

<For Non-Beamforming Mode>

| | | | |
|---------------|------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

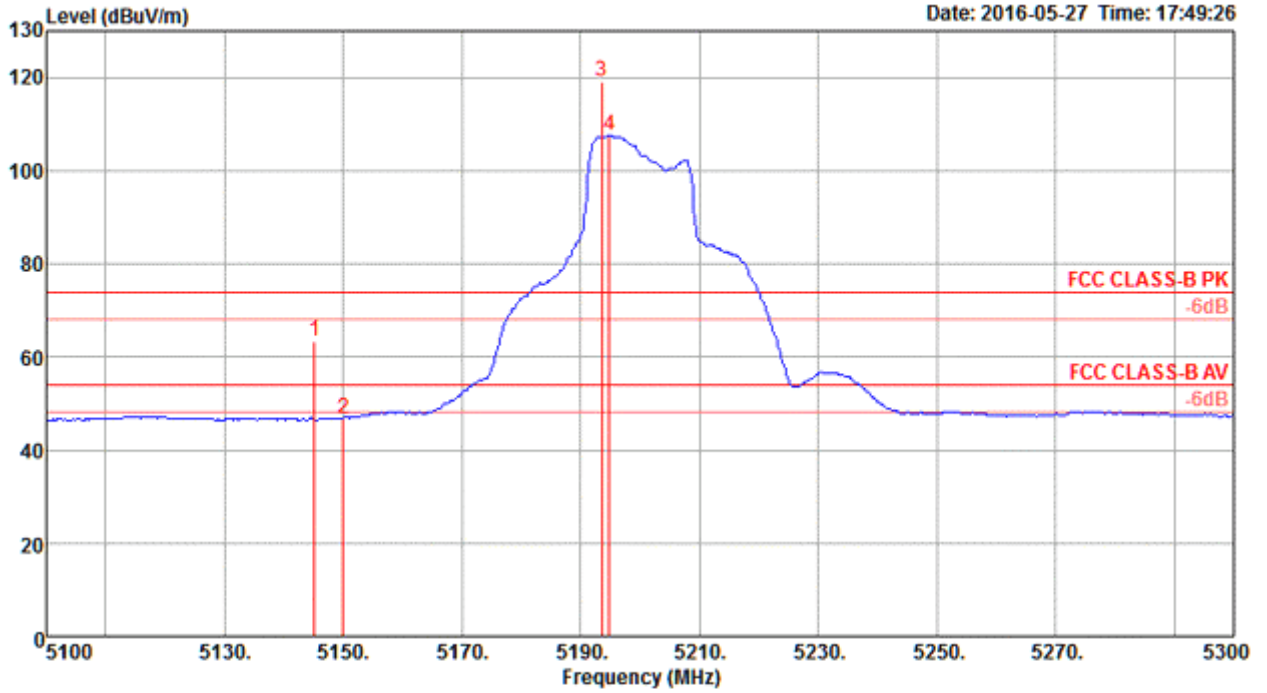
Channel 36



| | 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 | 5148.60 | 60.47 | 74.00 | -13.53 | 53.73 | 7.90 | 33.31 | 34.47 | 195 | 11 | Peak | VERTICAL |
| 2 | 5150.00 | 48.84 | 54.00 | -5.16 | 42.10 | 7.90 | 33.31 | 34.47 | 195 | 11 | Average | VERTICAL |
| 3 | 5182.60 | 117.23 | | | 110.40 | 7.95 | 33.35 | 34.47 | 195 | 11 | Peak | VERTICAL |
| 4 | 5183.40 | 106.66 | | | 99.83 | 7.95 | 33.35 | 34.47 | 195 | 11 | Average | VERTICAL |

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

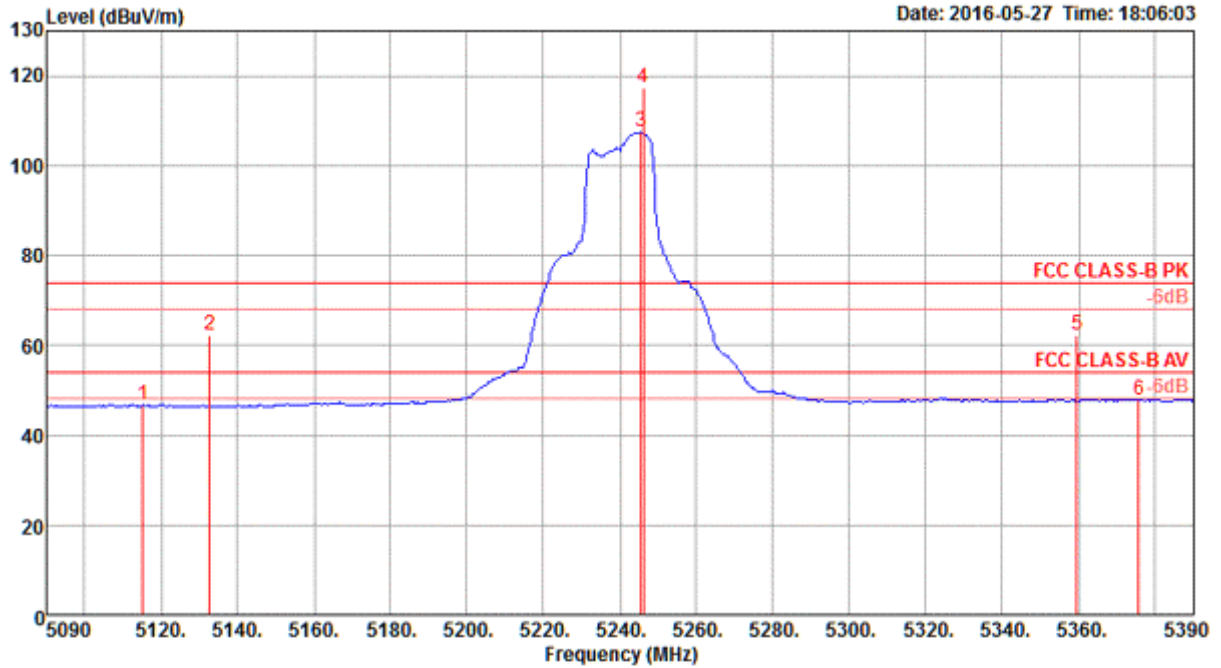
Channel 40



| | 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 | 5145.20 | 63.54 | 74.00 | -10.46 | 56.80 | 7.90 | 33.31 | 34.47 | 188 | 360 | Peak | HORIZONTAL |
| 2 | 5150.00 | 46.64 | 54.00 | -7.36 | 39.90 | 7.90 | 33.31 | 34.47 | 188 | 360 | Average | HORIZONTAL |
| 3 | 5193.60 | 118.97 | | | 112.08 | 7.98 | 33.38 | 34.47 | 188 | 360 | Peak | HORIZONTAL |
| 4 | 5194.80 | 107.65 | | | 100.76 | 7.98 | 33.38 | 34.47 | 188 | 360 | Average | HORIZONTAL |

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

Channel 48

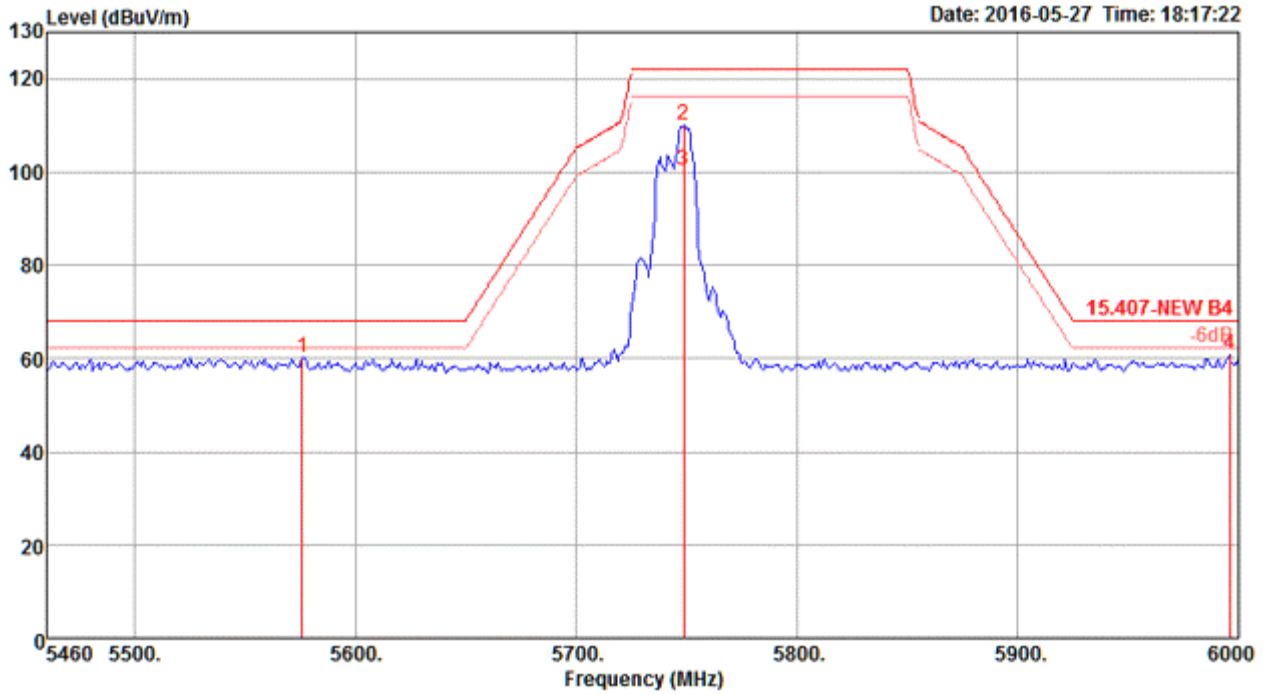


| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5115.20 | 46.60 | 54.00 | -7.40 | 39.95 | 7.85 | 33.27 | 34.47 | 190 | 9 | Average | VERTICAL |
| 2 | 5132.60 | 62.35 | 74.00 | -11.65 | 55.65 | 7.88 | 33.29 | 34.47 | 190 | 9 | Peak | VERTICAL |
| 3 | 5245.40 | 107.44 | | | 100.52 | 7.95 | 33.44 | 34.47 | 190 | 9 | Average | VERTICAL |
| 4 | 5246.00 | 117.26 | | | 110.34 | 7.95 | 33.44 | 34.47 | 190 | 9 | Peak | VERTICAL |
| 5 | 5359.40 | 62.25 | 74.00 | -11.75 | 55.23 | 7.88 | 33.61 | 34.47 | 190 | 9 | Peak | VERTICAL |
| 6 | 5375.60 | 47.95 | 54.00 | -6.05 | 40.92 | 7.87 | 33.63 | 34.47 | 190 | 9 | Average | VERTICAL |

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

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

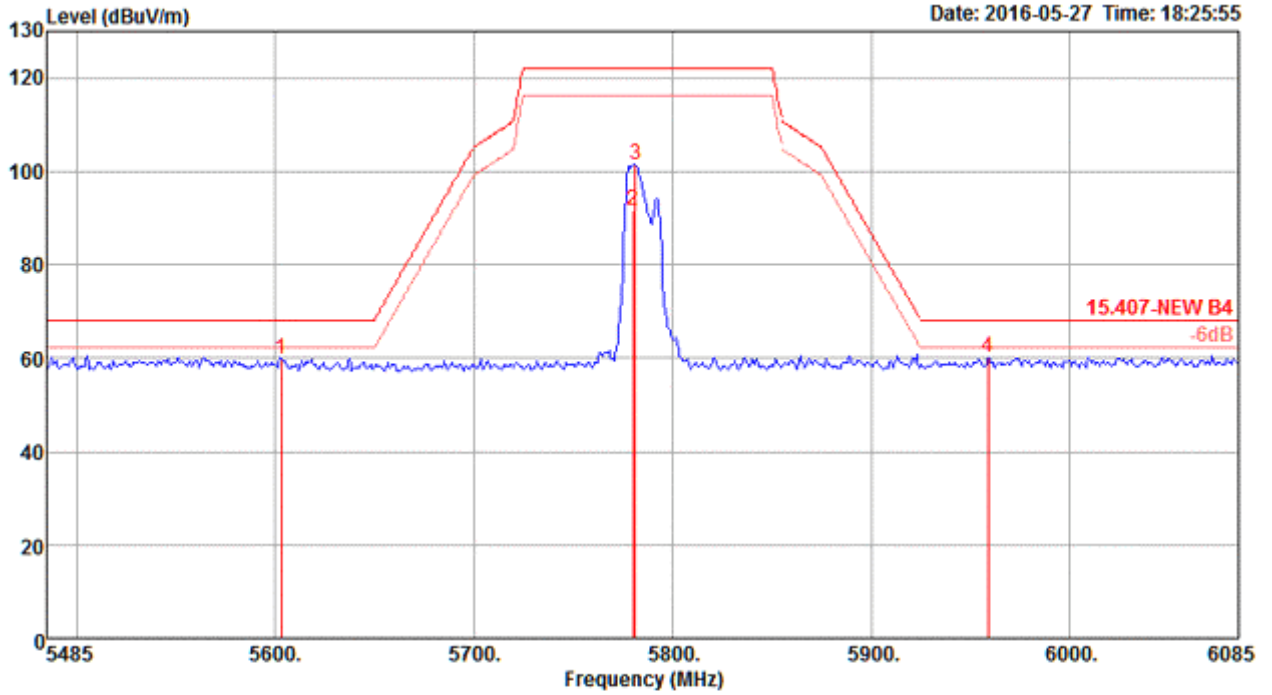
Channel 149



| | 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 | 5575.80 | 60.25 | 68.20 | -7.95 | 52.74 | 7.94 | 34.05 | 34.48 | 200 | 11 Peak | VERTICAL |
| 2 | 5748.60 | 110.05 | | | 102.16 | 7.86 | 34.55 | 34.52 | 200 | 11 Peak | VERTICAL |
| 3 | 5748.60 | 100.13 | | | 92.24 | 7.86 | 34.55 | 34.52 | 200 | 11 Average | VERTICAL |
| 4 | 5995.80 | 60.83 | 68.20 | -7.37 | 52.39 | 7.71 | 35.30 | 34.57 | 200 | 11 Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5745 MHz.

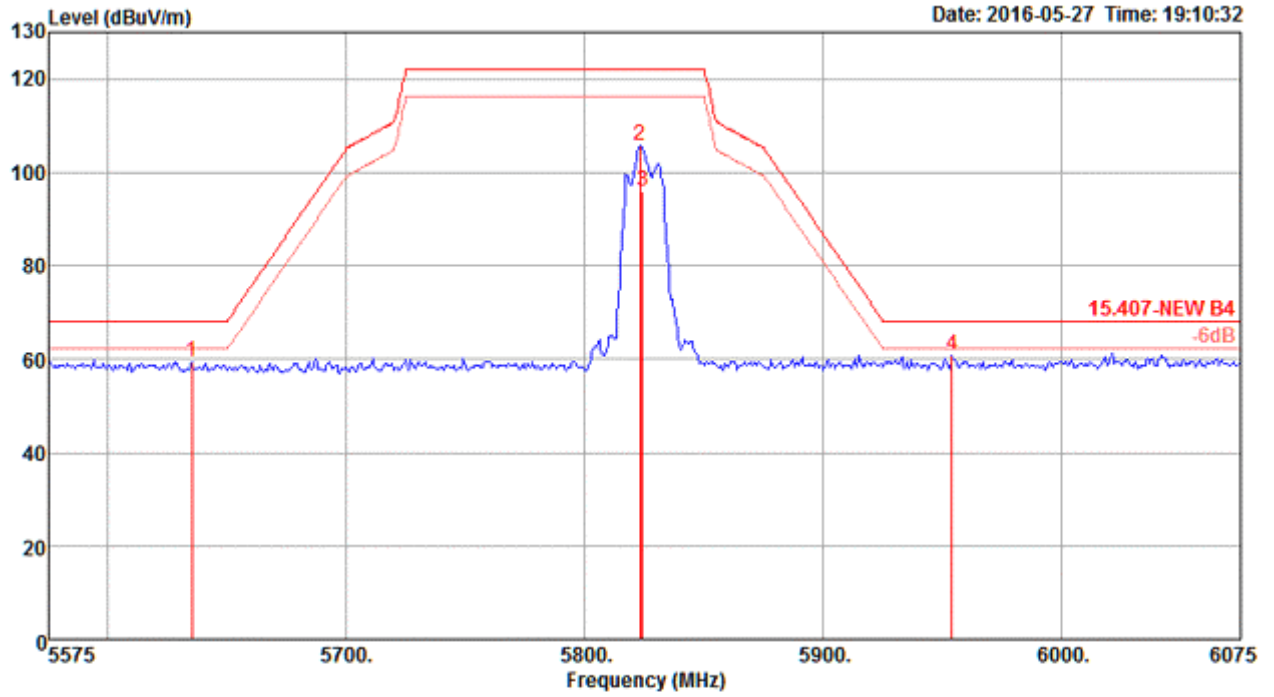
Channel 157



| | 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 | 5603.20 | 59.73 | 68.20 | -8.47 | 52.17 | 7.95 | 34.10 | 34.49 | 136 | 21 | Peak | VERTICAL |
| 2 | 5780.00 | 91.79 | | | 83.83 | 7.84 | 34.65 | 34.53 | 136 | 21 | Average | VERTICAL |
| 3 | 5781.40 | 101.42 | | | 93.46 | 7.84 | 34.65 | 34.53 | 136 | 21 | Peak | VERTICAL |
| 4 | 5959.00 | 60.23 | 68.20 | -7.97 | 51.86 | 7.73 | 35.20 | 34.56 | 136 | 21 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

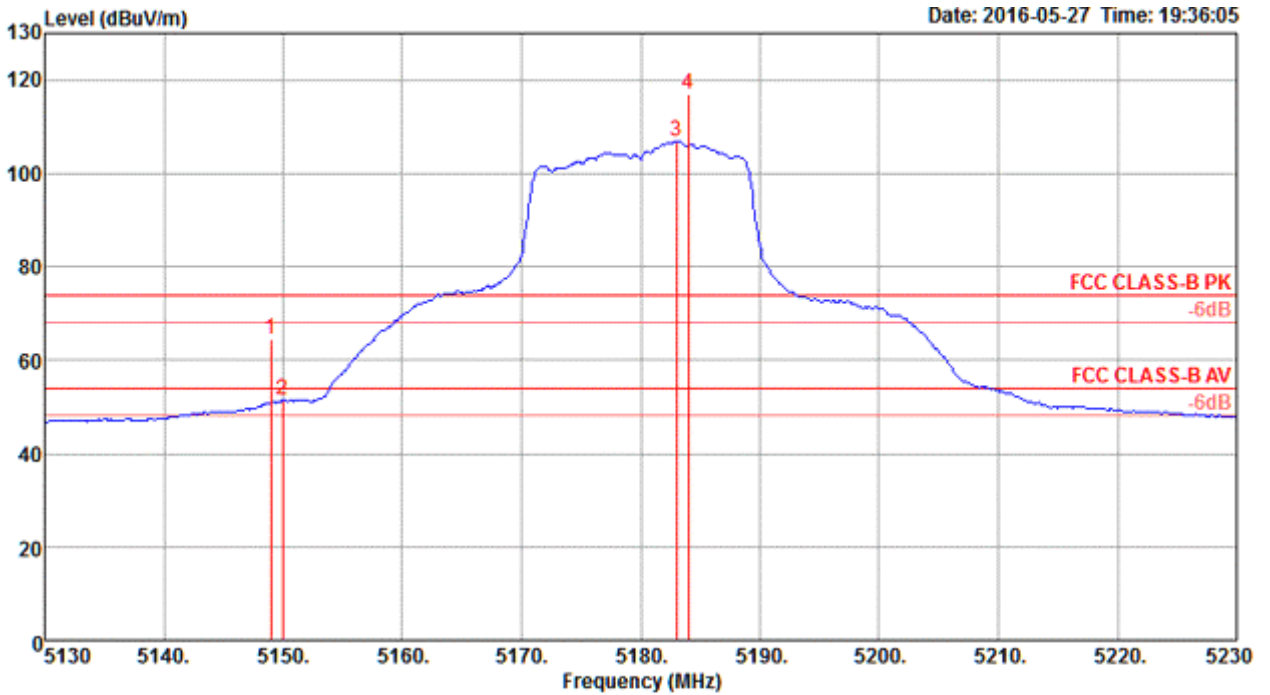


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|-------|-------|--------------|--------|-------|-------|-------------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5635.00 | 59.34 | 68.20 | -8.86 | 51.71 | 7.93 | 34.20 | 34.50 | 128 | 207 Peak | HORIZONTAL |
| 2 | 5823.00 | 105.71 | | | 97.64 | 7.81 | 34.80 | 34.54 | 128 | 207 Peak | HORIZONTAL |
| 3 | 5824.00 | 96.10 | | | 88.03 | 7.81 | 34.80 | 34.54 | 128 | 207 Average | HORIZONTAL |
| 4 | 5954.00 | 60.67 | 68.20 | -7.53 | 52.34 | 7.74 | 35.15 | 34.56 | 128 | 207 Peak | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5825 MHz.

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

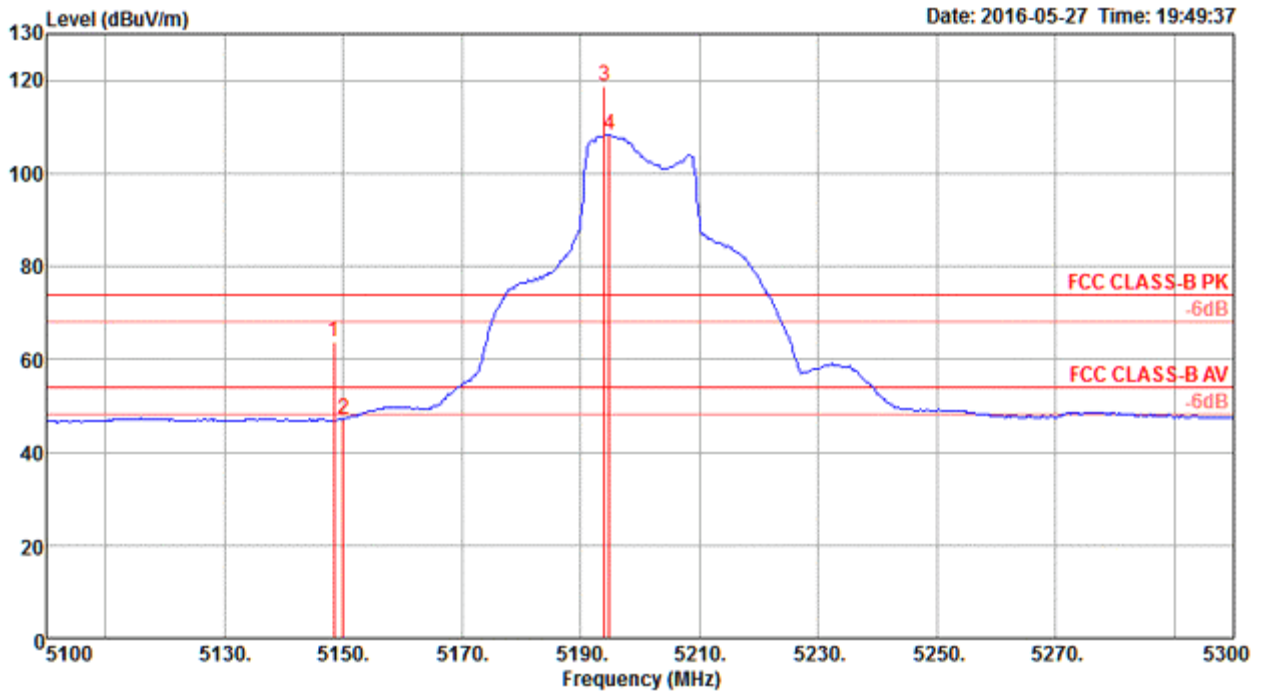
Channel 36



| | 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 | 64.63 | 74.00 | -9.37 | 57.89 | 7.90 | 33.31 | 34.47 | 184 | 6 Peak | VERTICAL |
| 2 | 5150.00 | 51.50 | 54.00 | -2.50 | 44.76 | 7.90 | 33.31 | 34.47 | 184 | 6 Average | VERTICAL |
| 3 | 5183.00 | 106.78 | | | 99.95 | 7.95 | 33.35 | 34.47 | 184 | 6 Average | VERTICAL |
| 4 | 5184.00 | 116.98 | | | 110.15 | 7.95 | 33.35 | 34.47 | 184 | 6 Peak | VERTICAL |

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

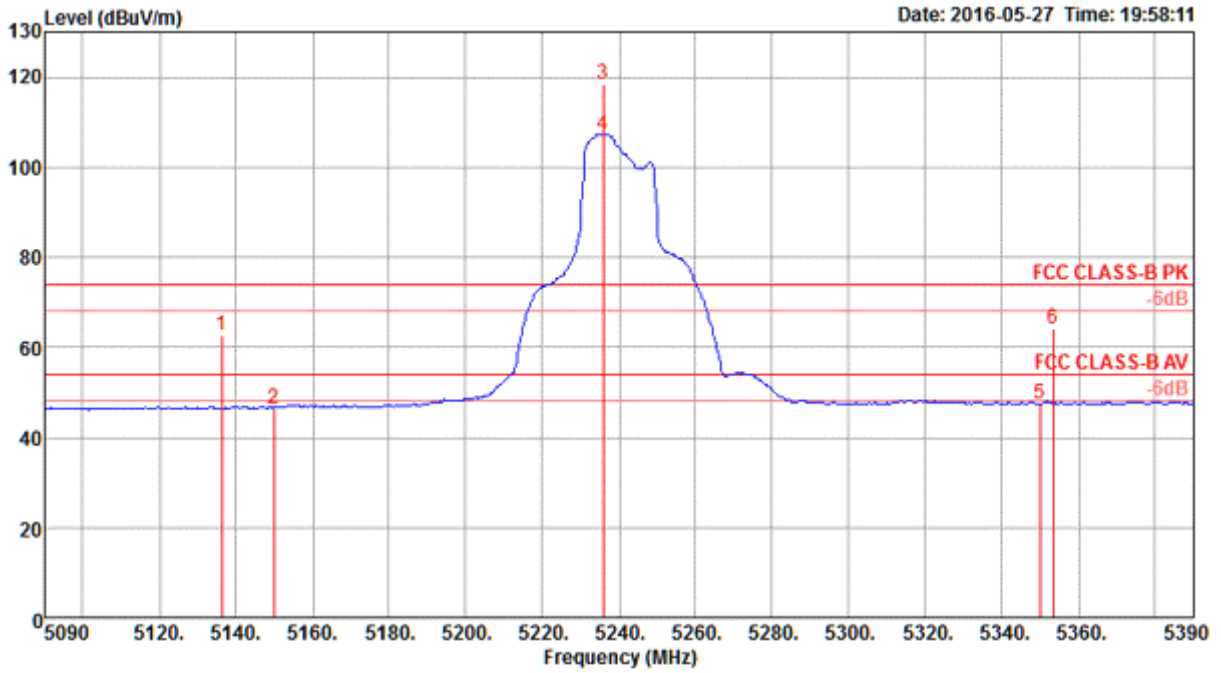
Channel 40



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|--------|--------|-------|---------|--------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5148.40 | 63.60 | 74.00 | -10.40 | 56.86 | 7.90 | 33.31 | 34.47 | 189 | 360 | Peak | HORIZONTAL |
| 2 | 5150.00 | 46.95 | 54.00 | -7.05 | 40.21 | 7.90 | 33.31 | 34.47 | 189 | 360 | Average | HORIZONTAL |
| 3 | 5194.00 | 118.66 | | | 111.77 | 7.98 | 33.38 | 34.47 | 189 | 360 | Peak | HORIZONTAL |
| 4 | 5194.80 | 108.40 | | | 101.51 | 7.98 | 33.38 | 34.47 | 189 | 360 | Average | HORIZONTAL |

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

Channel 48

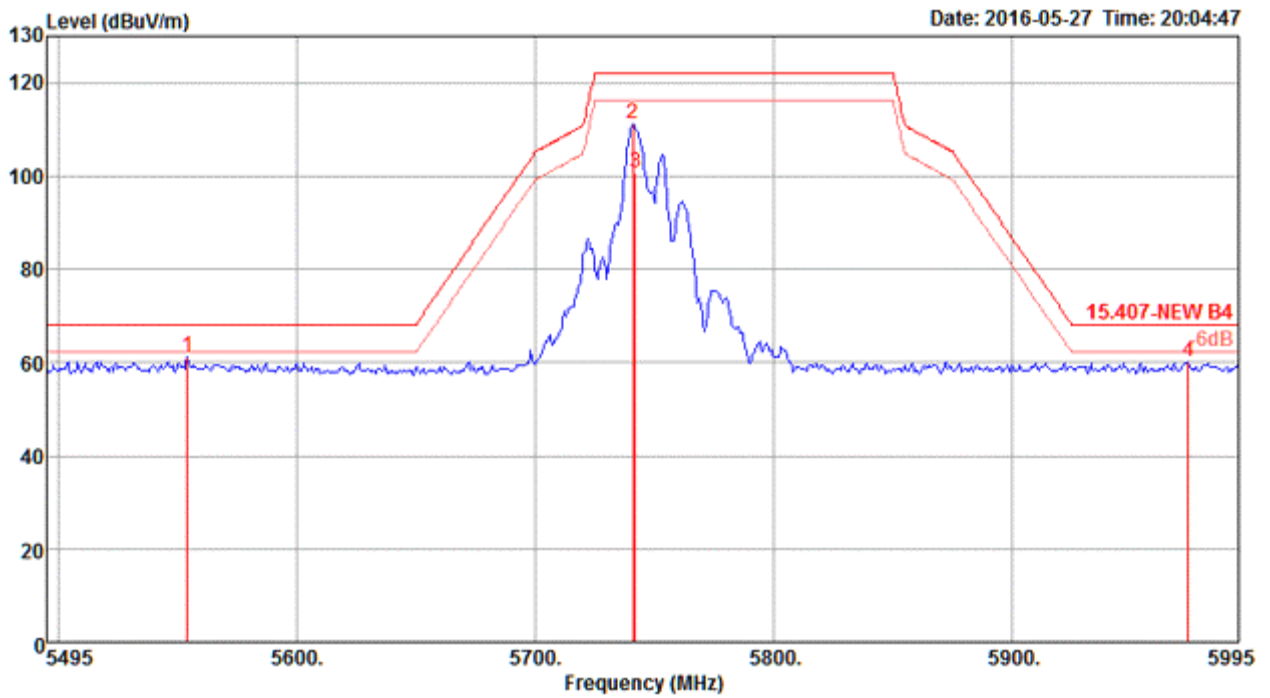


| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|------------|------------|------------|-------------------|---------------|-------|-------|-------------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | cm | deg | | |
| 1 | 5136.20 | 62.49 | 74.00 | -11.51 | 55.79 | 7.88 | 33.29 | 34.47 | 188 | 360 Peak | HORIZONTAL |
| 2 | 5150.00 | 46.25 | 54.00 | -7.75 | 39.51 | 7.90 | 33.31 | 34.47 | 188 | 360 Average | HORIZONTAL |
| 3 | 5235.80 | 118.25 | | | 111.33 | 7.95 | 33.44 | 34.47 | 188 | 360 Peak | HORIZONTAL |
| 4 | 5235.80 | 107.22 | | | 100.30 | 7.95 | 33.44 | 34.47 | 188 | 360 Average | HORIZONTAL |
| 5 | 5350.00 | 47.38 | 54.00 | -6.62 | 40.37 | 7.89 | 33.59 | 34.47 | 188 | 360 Average | HORIZONTAL |
| 6 | 5353.40 | 63.95 | 74.00 | -10.05 | 56.94 | 7.89 | 33.59 | 34.47 | 188 | 360 Peak | HORIZONTAL |

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

| | | | |
|---------------|------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

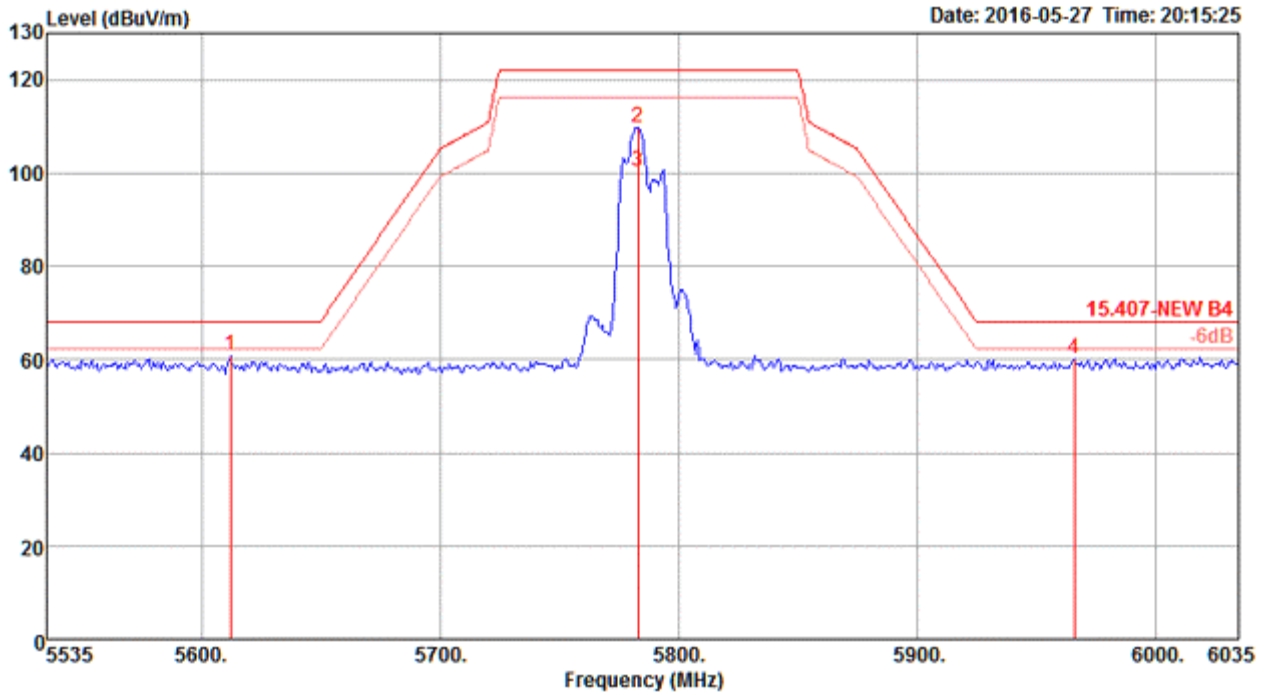
Channel 149



| | 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 | 5554.00 | 61.27 | 68.20 | -6.93 | 53.87 | 7.93 | 33.95 | 34.48 | 147 | 196 Peak | HORIZONTAL |
| 2 | 5741.00 | 111.24 | | | 103.35 | 7.86 | 34.55 | 34.52 | 147 | 196 Peak | HORIZONTAL |
| 3 | 5742.00 | 100.52 | | | 92.63 | 7.86 | 34.55 | 34.52 | 147 | 196 Average | HORIZONTAL |
| 4 | 5974.00 | 59.98 | 68.20 | -8.22 | 51.61 | 7.73 | 35.20 | 34.56 | 147 | 196 Peak | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5745 MHz.

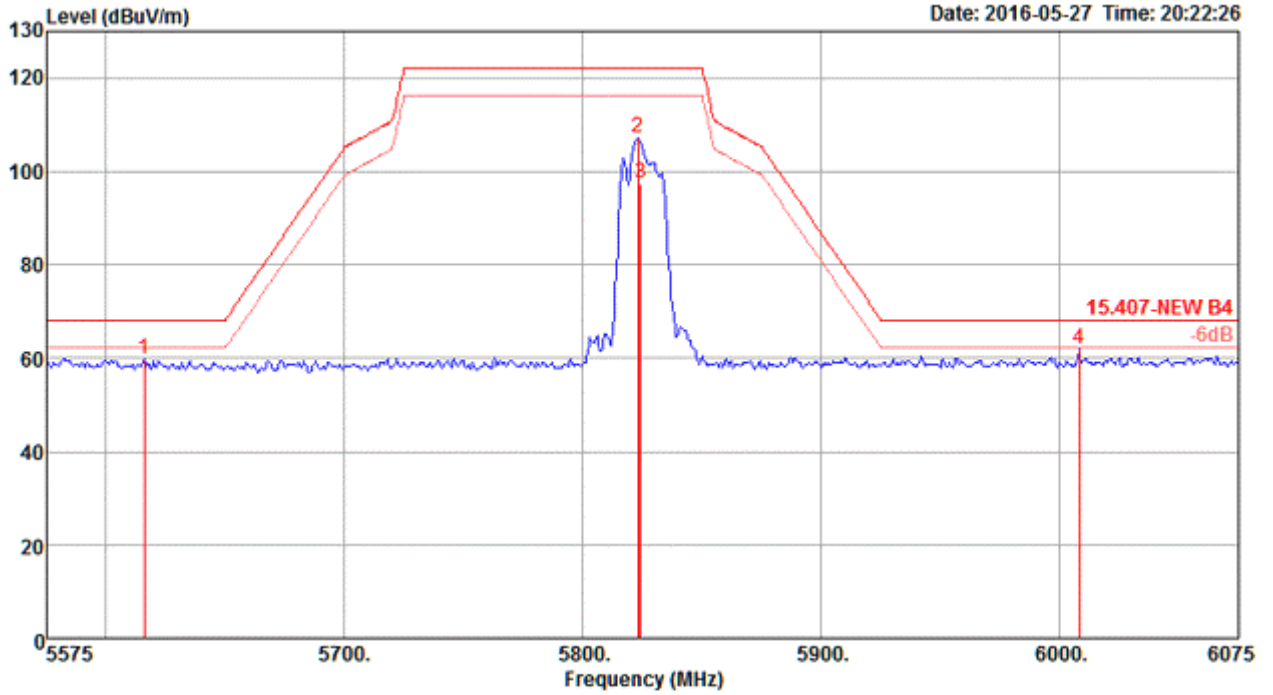
Channel 157



| | 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 | 5612.00 | 60.72 | 68.20 | -7.48 | 53.12 | 7.94 | 34.15 | 34.49 | 101 | 239 | Peak | VERTICAL |
| 2 | 5783.00 | 109.86 | | | 101.90 | 7.84 | 34.65 | 34.53 | 101 | 239 | Peak | VERTICAL |
| 3 | 5783.00 | 100.45 | | | 92.49 | 7.84 | 34.65 | 34.53 | 101 | 239 | Average | VERTICAL |
| 4 | 5966.00 | 60.23 | 68.20 | -7.97 | 51.86 | 7.73 | 35.20 | 34.56 | 101 | 239 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

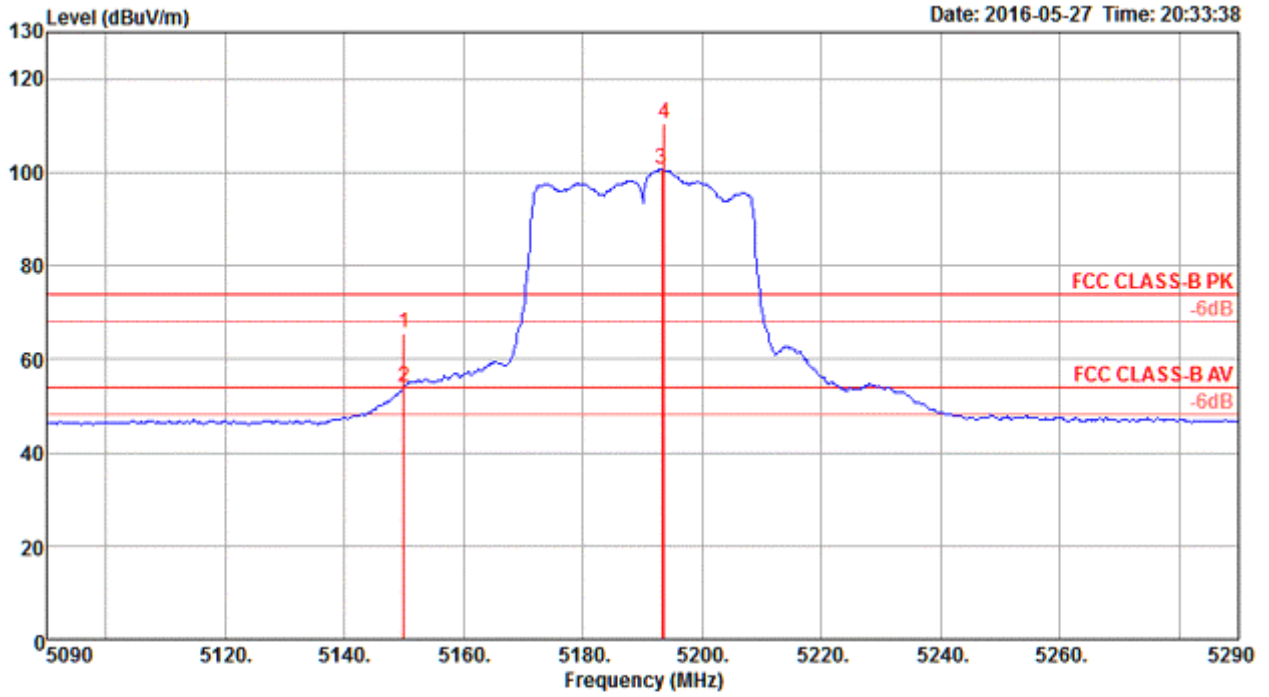


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase | |
|---|---------|--------|--------|-------|-------|--------------|--------|-------|-------|--------|-----------|----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5616.00 | 59.66 | 68.20 | -8.54 | 52.07 | 7.94 | 34.15 | 34.50 | 156 | 242 | Peak | VERTICAL |
| 2 | 5823.00 | 107.05 | | | 98.98 | 7.81 | 34.80 | 34.54 | 156 | 242 | Peak | VERTICAL |
| 3 | 5824.00 | 97.48 | | | 89.41 | 7.81 | 34.80 | 34.54 | 156 | 242 | Average | VERTICAL |
| 4 | 6008.00 | 62.00 | 68.20 | -6.20 | 53.56 | 7.71 | 35.30 | 34.57 | 156 | 242 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5825 MHz.

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

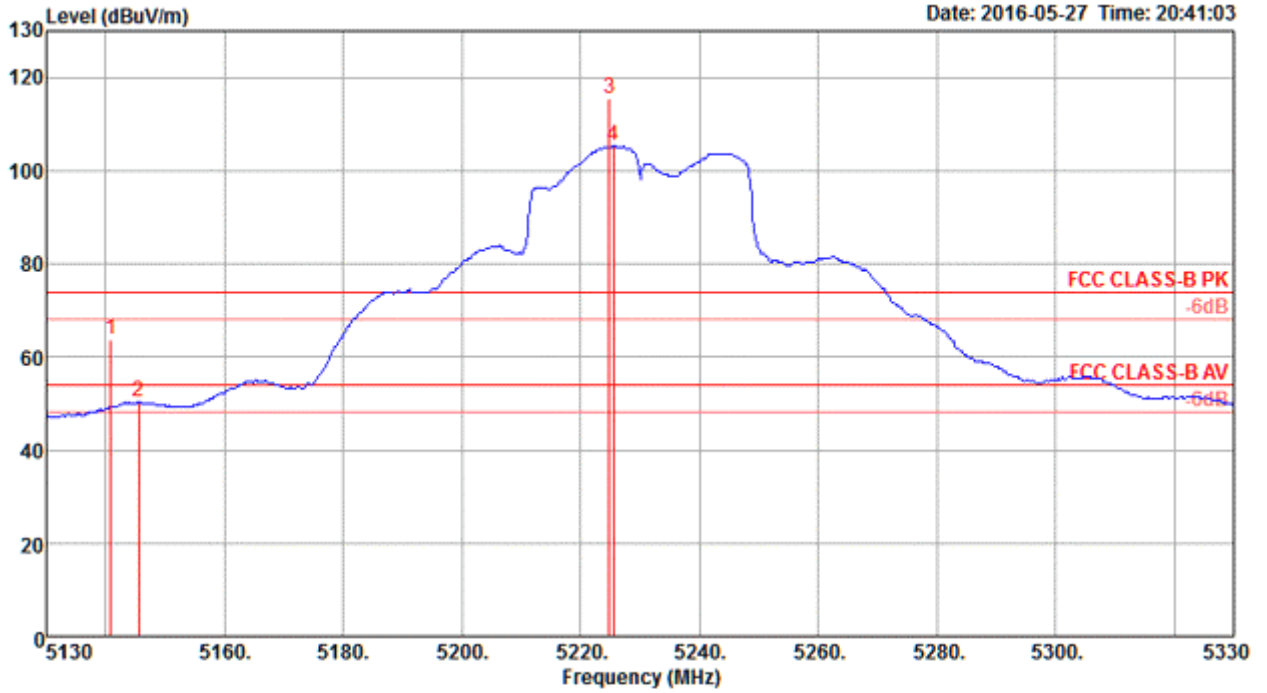
Channel 38



| | 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 | 65.59 | 74.00 | -8.41 | 58.85 | 7.90 | 33.31 | 34.47 | 181 | 5 Peak | VERTICAL |
| 2 | 5150.00 | 53.85 | 54.00 | -0.15 | 47.11 | 7.90 | 33.31 | 34.47 | 181 | 5 Average | VERTICAL |
| 3 | 5193.20 | 100.68 | | | 93.79 | 7.98 | 33.38 | 34.47 | 181 | 5 Average | VERTICAL |
| 4 | 5193.60 | 110.37 | | | 103.48 | 7.98 | 33.38 | 34.47 | 181 | 5 Peak | VERTICAL |

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

Channel 46

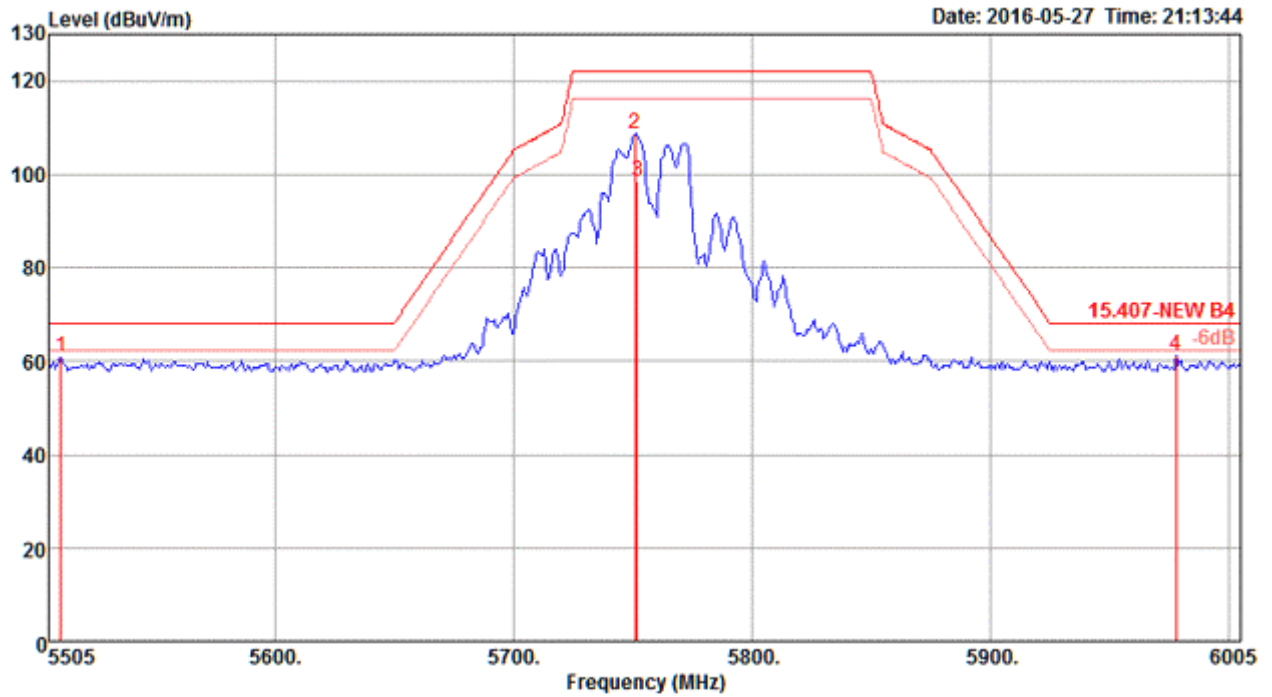


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|--------|--------|--------------|--------|-------|-------|-------------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5140.80 | 63.83 | 74.00 | -10.17 | 57.13 | 7.88 | 33.29 | 34.47 | 188 | 359 Peak | HORIZONTAL |
| 2 | 5145.60 | 50.26 | 54.00 | -3.74 | 43.52 | 7.90 | 33.31 | 34.47 | 188 | 359 Average | HORIZONTAL |
| 3 | 5224.80 | 115.48 | | | 108.57 | 7.96 | 33.42 | 34.47 | 188 | 359 Peak | HORIZONTAL |
| 4 | 5225.60 | 105.28 | | | 98.37 | 7.96 | 33.42 | 34.47 | 188 | 359 Average | HORIZONTAL |

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

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

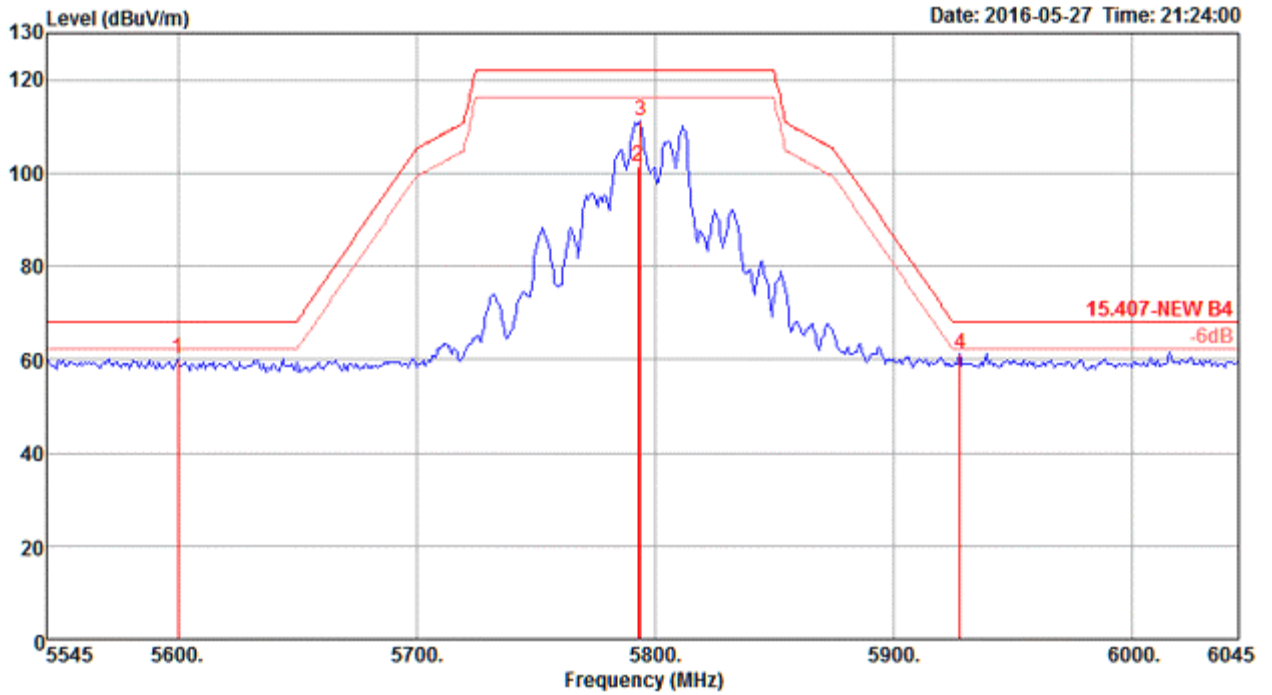
Channel 151



| | 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 | 5510.00 | 60.88 | 68.20 | -7.32 | 53.64 | 7.91 | 33.80 | 34.47 | 101 | 240 | Peak | VERTICAL |
| 2 | 5751.00 | 108.63 | | | 100.74 | 7.86 | 34.55 | 34.52 | 101 | 240 | Peak | VERTICAL |
| 3 | 5752.00 | 98.34 | | | 90.45 | 7.86 | 34.55 | 34.52 | 101 | 240 | Average | VERTICAL |
| 4 | 5978.00 | 61.06 | 68.20 | -7.14 | 52.66 | 7.72 | 35.25 | 34.57 | 101 | 240 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

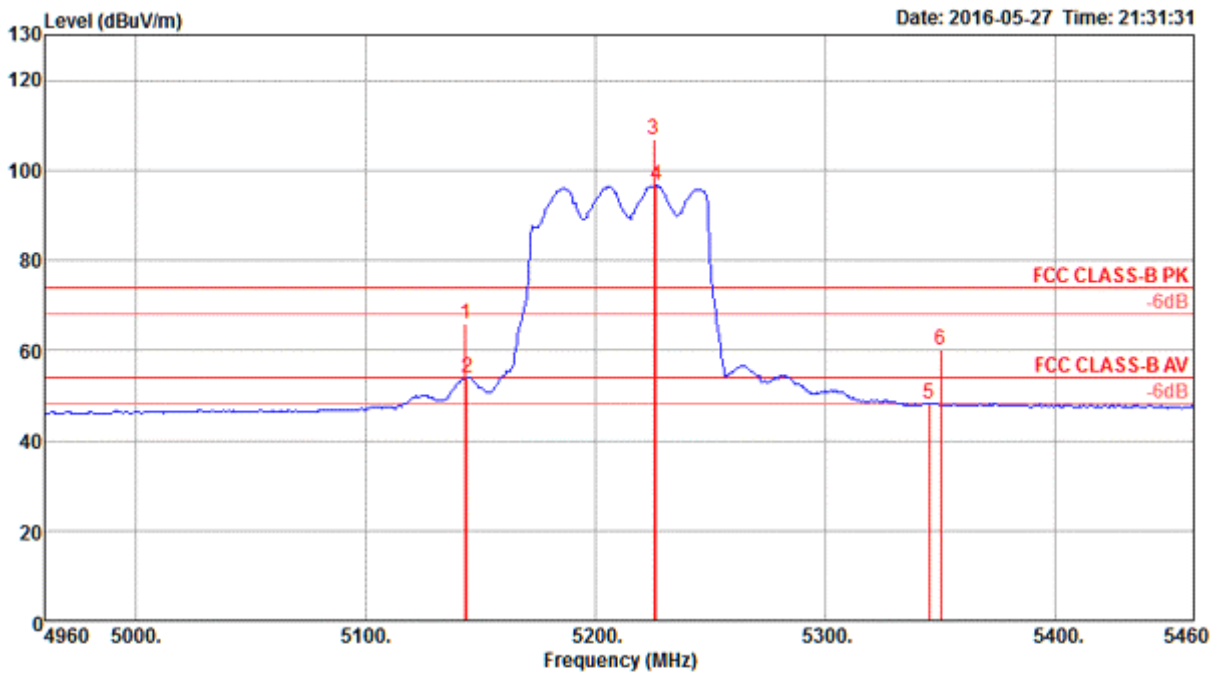


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|-------------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5600.00 | 60.26 | 68.20 | -7.94 | 52.70 | 7.95 | 34.10 | 34.49 | 155 | 196 Peak | HORIZONTAL |
| 2 | 5793.00 | 101.39 | | | 93.39 | 7.83 | 34.70 | 34.53 | 155 | 196 Average | HORIZONTAL |
| 3 | 5794.00 | 111.09 | | | 103.09 | 7.83 | 34.70 | 34.53 | 155 | 196 Peak | HORIZONTAL |
| 4 | 5928.00 | 61.23 | 68.20 | -6.97 | 52.94 | 7.75 | 35.10 | 34.56 | 155 | 196 Peak | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5795 MHz.

| | | | |
|---------------|------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

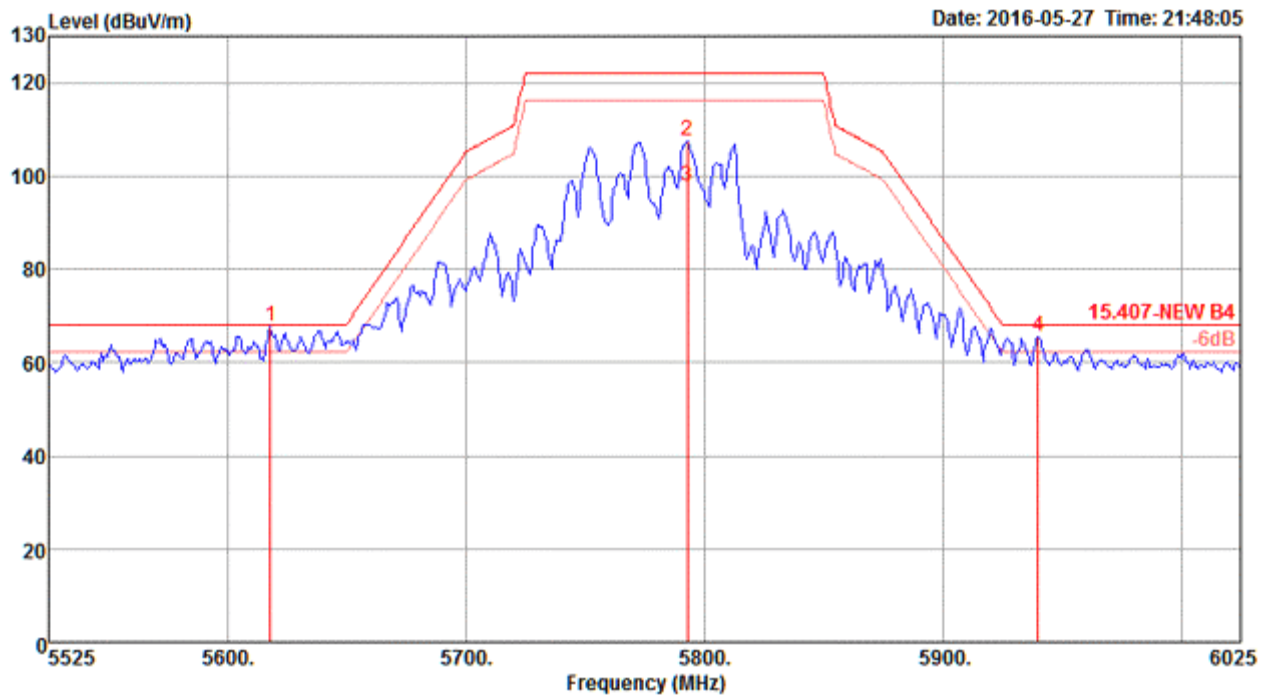
Channel 42



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|------------|------------|------------|------------|----------------|---------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5143.00 | 65.77 | 74.00 | -8.23 | 59.03 | 7.90 | 33.31 | 34.47 | 189 | 360 | Peak | HORIZONTAL |
| 2 | 5144.00 | 53.85 | 54.00 | -0.15 | 47.11 | 7.90 | 33.31 | 34.47 | 189 | 360 | Average | HORIZONTAL |
| 3 | 5225.00 | 106.81 | | | 99.90 | 7.96 | 33.42 | 34.47 | 189 | 360 | Peak | HORIZONTAL |
| 4 | 5226.00 | 96.75 | | | 89.84 | 7.96 | 33.42 | 34.47 | 189 | 360 | Average | HORIZONTAL |
| 5 | 5345.00 | 48.20 | 54.00 | -5.80 | 41.19 | 7.89 | 33.59 | 34.47 | 189 | 360 | Average | HORIZONTAL |
| 6 | 5350.00 | 60.23 | 74.00 | -13.77 | 53.22 | 7.89 | 33.59 | 34.47 | 189 | 360 | Peak | HORIZONTAL |

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

Channel 155



| | 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 | 5618.00 | 67.71 | 68.20 | -0.49 | 60.12 | 7.94 | 34.15 | 34.50 | 151 | 196 | Peak | HORIZONTAL |
| 2 | 5793.00 | 107.63 | | | 99.63 | 7.83 | 34.70 | 34.53 | 151 | 196 | Peak | HORIZONTAL |
| 3 | 5793.00 | 97.76 | | | 89.76 | 7.83 | 34.70 | 34.53 | 151 | 196 | Average | HORIZONTAL |
| 4 | 5940.00 | 65.55 | 68.20 | -2.65 | 57.26 | 7.75 | 35.10 | 34.56 | 151 | 196 | Peak | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

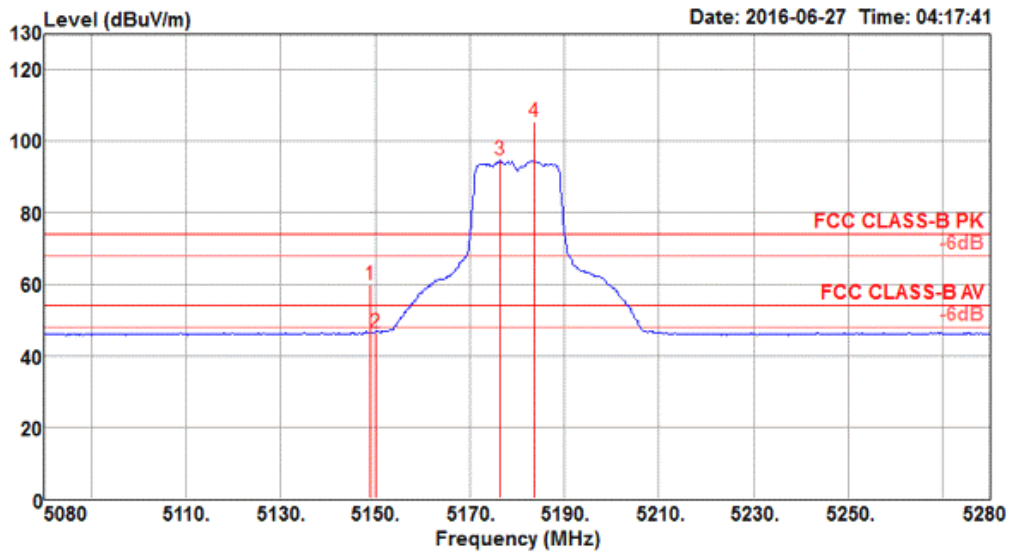
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

<For Beamforming Mode>

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

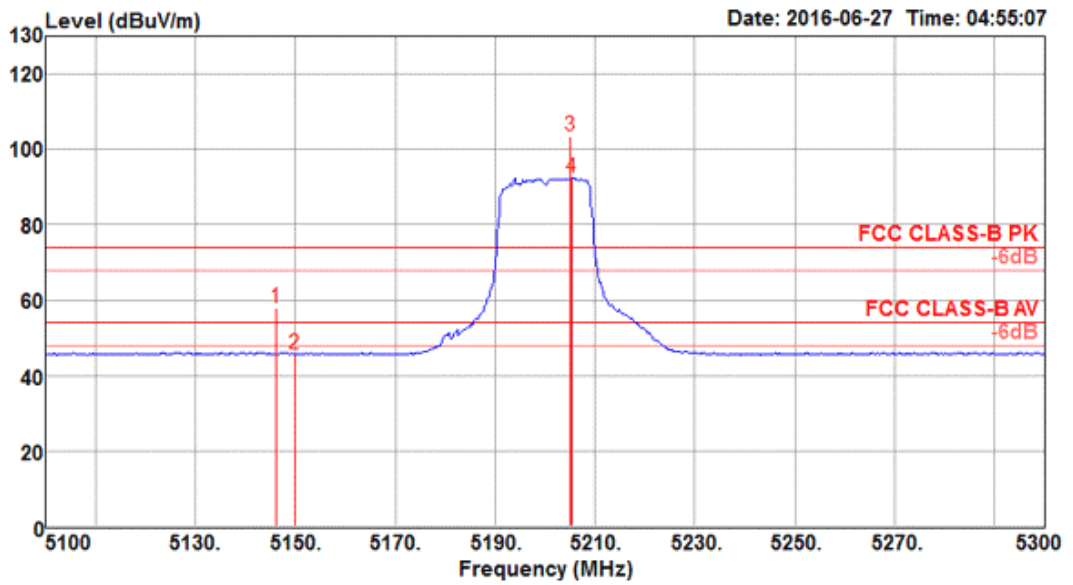
Channel 36



| | 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 | 5148.91 | 59.69 | 74.00 | -14.31 | 52.27 | 7.48 | 34.85 | 34.91 | 150 | | 1 Peak | HORIZONTAL |
| 2 | 5150.00 | 46.26 | 54.00 | -7.74 | 38.84 | 7.48 | 34.85 | 34.91 | 150 | | 1 Average | HORIZONTAL |
| 3 | 5176.47 | 94.55 | | | 87.10 | 7.48 | 34.88 | 34.91 | 150 | | 1 Average | HORIZONTAL |
| 4 | 5183.53 | 105.45 | | | 98.00 | 7.48 | 34.88 | 34.91 | 150 | | 1 Peak | HORIZONTAL |

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

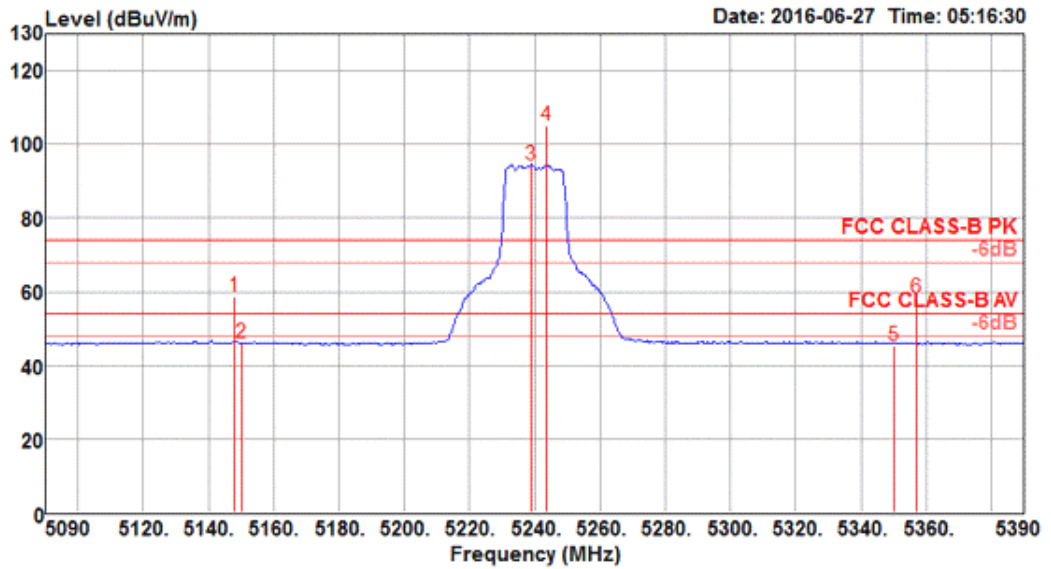
Channel 40



| | 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 | 5146.15 | 57.99 | 74.00 | -16.01 | 50.57 | 7.48 | 34.85 | 34.91 | 223 | 330 | Peak | VERTICAL |
| 2 | 5150.00 | 45.81 | 54.00 | -8.19 | 38.39 | 7.48 | 34.85 | 34.91 | 223 | 330 | Average | VERTICAL |
| 3 | 5205.13 | 103.64 | | | 96.15 | 7.49 | 34.91 | 34.91 | 223 | 330 | Peak | VERTICAL |
| 4 | 5205.45 | 92.39 | | | 84.90 | 7.49 | 34.91 | 34.91 | 223 | 330 | Average | VERTICAL |

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

Channel 48

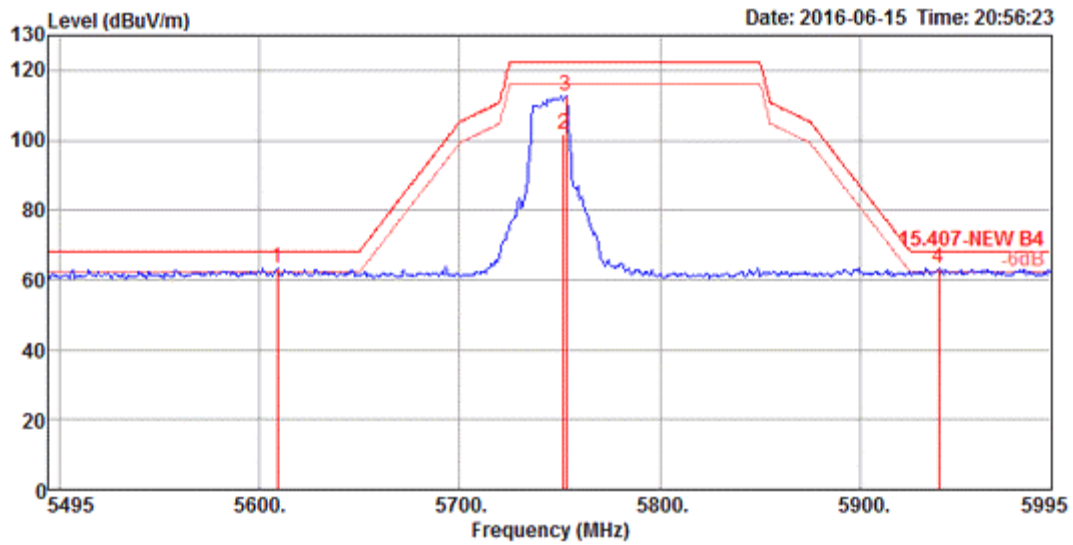


| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Antenna Factor | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|------------|------------|------------|-------------------|----------------|---------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 5148.08 | 58.55 | 74.00 | -15.45 | 51.13 | 7.48 | 34.85 | 34.91 | 210 | 358 | Peak | HORIZONTAL |
| 2 | 5150.00 | 46.17 | 54.00 | -7.83 | 38.75 | 7.48 | 34.85 | 34.91 | 210 | 358 | Average | HORIZONTAL |
| 3 | 5239.04 | 94.36 | | | 86.83 | 7.50 | 34.94 | 34.91 | 210 | 358 | Average | HORIZONTAL |
| 4 | 5243.85 | 105.26 | | | 97.73 | 7.50 | 34.94 | 34.91 | 210 | 358 | Peak | HORIZONTAL |
| 5 | 5350.00 | 45.46 | 54.00 | -8.54 | 37.76 | 7.56 | 35.05 | 34.91 | 210 | 358 | Average | HORIZONTAL |
| 6 | 5357.21 | 58.47 | 74.00 | -15.53 | 50.76 | 7.56 | 35.06 | 34.91 | 210 | 358 | Peak | HORIZONTAL |

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

| | | | |
|---------------|------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

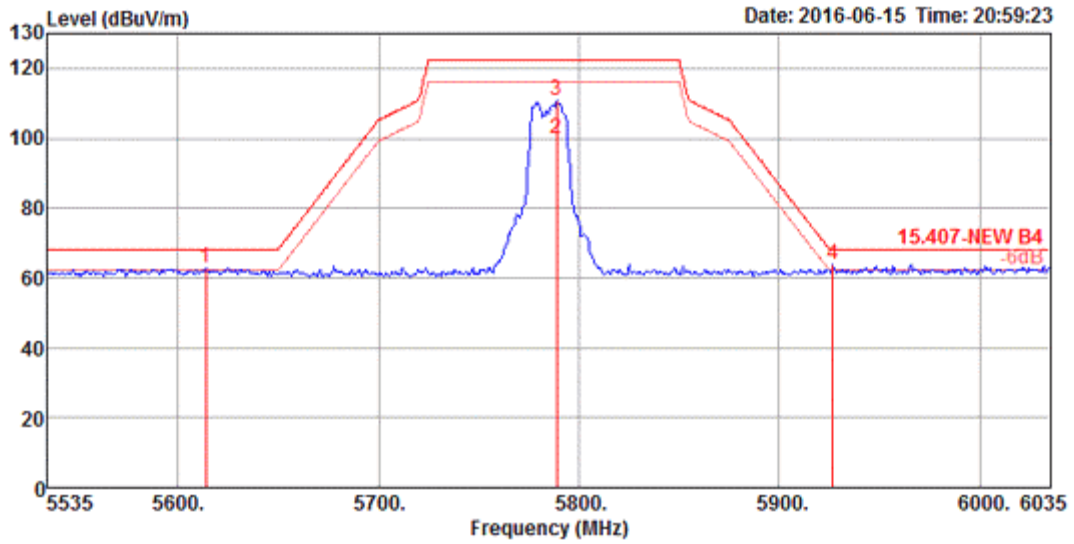
Channel 149



| | 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 | 5609.00 | 63.52 | 68.20 | -4.68 | 53.81 | 8.46 | 34.13 | 32.88 | 214 | 171 Peak | VERTICAL |
| 2 | 5752.00 | 101.72 | | | 91.70 | 8.42 | 34.50 | 32.90 | 214 | 171 Average | VERTICAL |
| 3 | 5753.00 | 112.81 | | | 102.79 | 8.42 | 34.50 | 32.90 | 214 | 171 Peak | VERTICAL |
| 4 | 5939.00 | 63.35 | 68.20 | -4.85 | 52.88 | 8.37 | 35.01 | 32.91 | 214 | 171 Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5745 MHz.

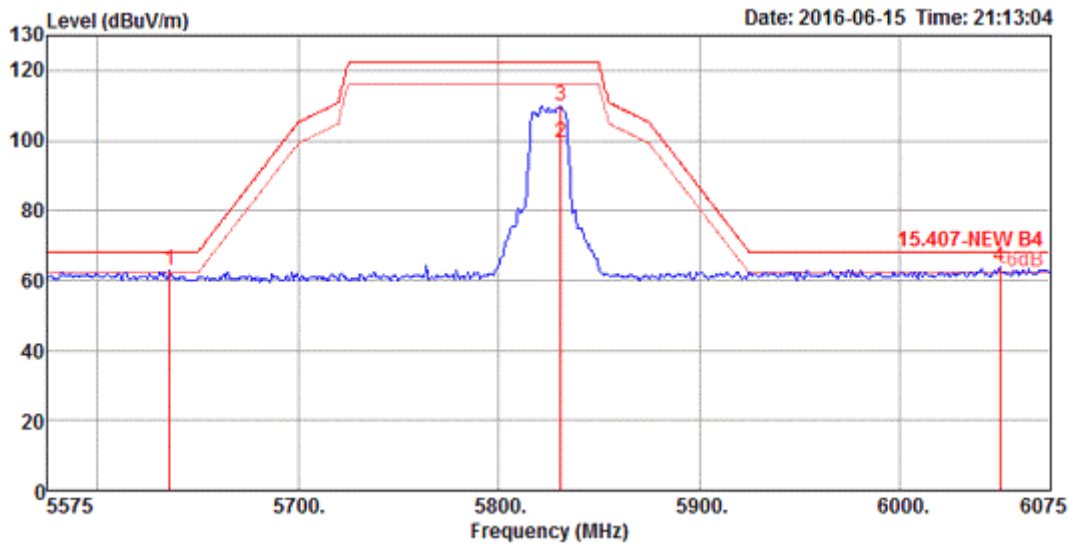
Channel 157



| | 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 | 5614.00 | 62.68 | 68.20 | -5.52 | 52.97 | 8.46 | 34.13 | 32.88 | 219 | 174 Peak | VERTICAL |
| 2 | 5789.00 | 99.73 | | | 89.59 | 8.40 | 34.64 | 32.90 | 219 | 174 Average | VERTICAL |
| 3 | 5789.00 | 110.73 | | | 100.59 | 8.40 | 34.64 | 32.90 | 219 | 174 Peak | VERTICAL |
| 4 | 5927.00 | 64.00 | 68.20 | -4.20 | 53.53 | 8.37 | 35.01 | 32.91 | 219 | 174 Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

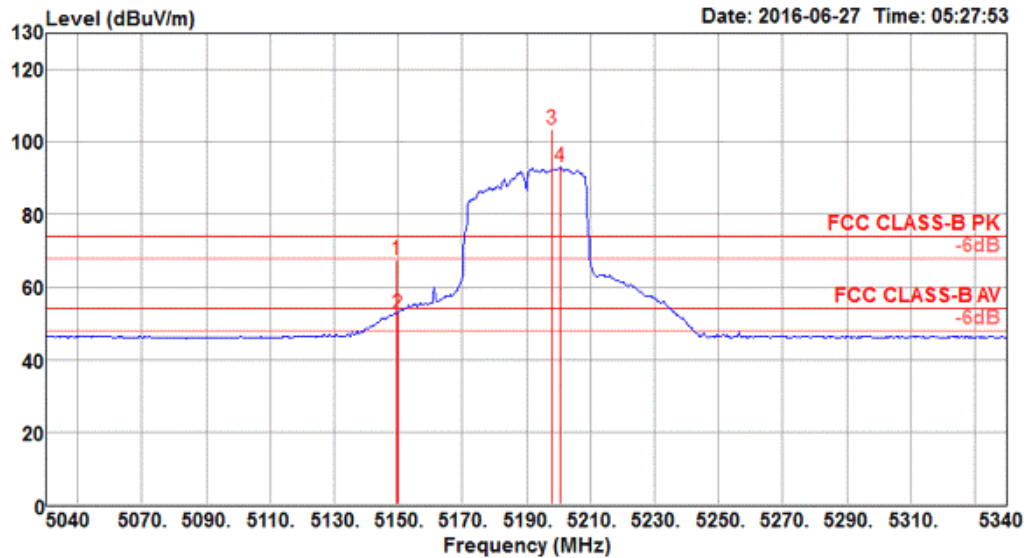


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|-------|-------|--------------|--------|-------|-------|-------------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 5636.00 | 62.61 | 68.20 | -5.59 | 52.86 | 8.46 | 34.17 | 32.88 | 208 | 168 Peak | HORIZONTAL |
| 2 | 5831.00 | 99.20 | | | 88.98 | 8.39 | 34.73 | 32.90 | 208 | 168 Average | HORIZONTAL |
| 3 | 5831.00 | 110.04 | | | 99.82 | 8.39 | 34.73 | 32.90 | 208 | 168 Peak | HORIZONTAL |
| 4 | 6050.00 | 63.67 | 68.20 | -4.53 | 52.81 | 8.53 | 35.26 | 32.93 | 208 | 168 Peak | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5825 MHz.

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

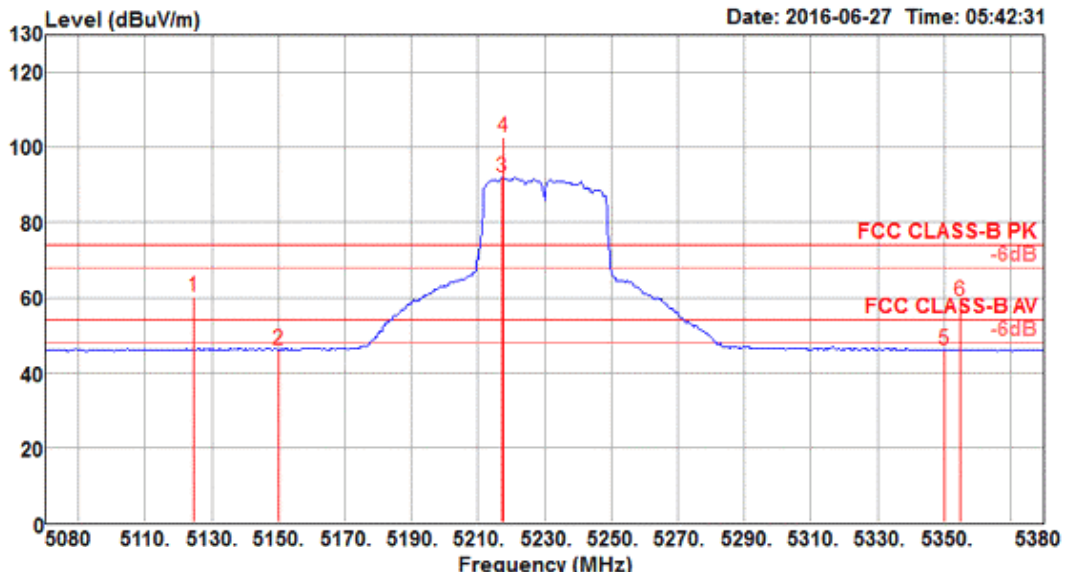
Channel 38



| | 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 | 5149.62 | 67.52 | 74.00 | -6.48 | 60.10 | 7.48 | 34.85 | 34.91 | 178 | 3 Peak | HORIZONTAL |
| 2 | 5150.00 | 52.64 | 54.00 | -1.36 | 45.22 | 7.48 | 34.85 | 34.91 | 178 | 3 Average | HORIZONTAL |
| 3 | 5198.17 | 103.72 | | | 96.25 | 7.48 | 34.90 | 34.91 | 178 | 3 Peak | HORIZONTAL |
| 4 | 5200.58 | 93.23 | | | 85.76 | 7.48 | 34.90 | 34.91 | 178 | 3 Average | HORIZONTAL |

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

Channel 46

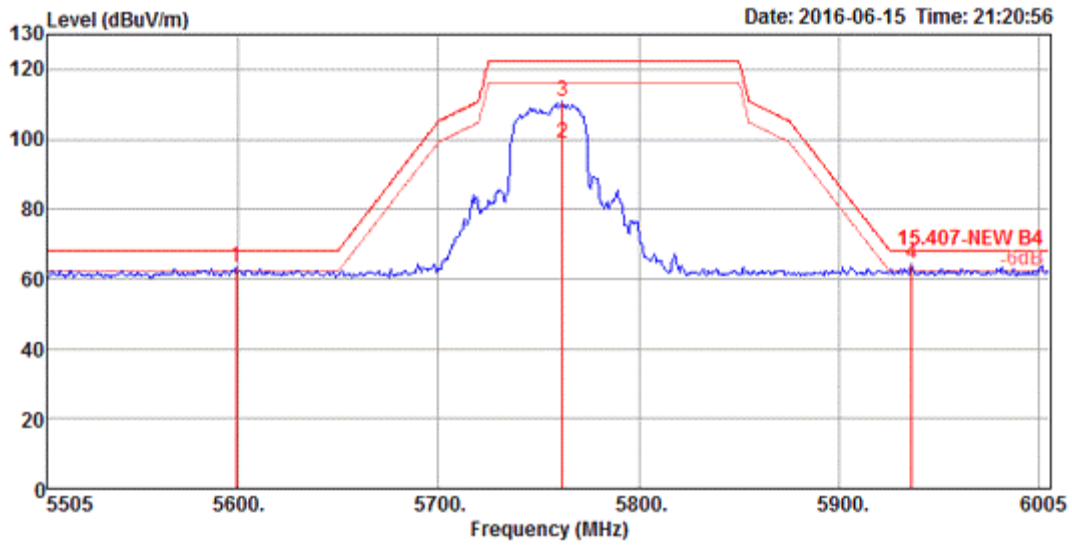


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase | |
|---|---------|--------|--------|--------|-------|--------------|--------|--------|-------|--------|-----------|------------|
| | MHz | dBUV/m | dBUV/m | dB | dBuV | Loss | Factor | Factor | cm | deg | | |
| 1 | 5124.71 | 60.23 | 74.00 | -13.77 | 52.83 | 7.48 | 34.82 | 34.90 | 236 | 360 | Peak | HORIZONTAL |
| 2 | 5150.00 | 46.16 | 54.00 | -7.84 | 38.74 | 7.48 | 34.85 | 34.91 | 236 | 360 | Average | HORIZONTAL |
| 3 | 5217.02 | 92.04 | | | 84.52 | 7.50 | 34.93 | 34.91 | 236 | 360 | Average | HORIZONTAL |
| 4 | 5217.50 | 102.67 | | | 95.15 | 7.50 | 34.93 | 34.91 | 236 | 360 | Peak | HORIZONTAL |
| 5 | 5350.00 | 46.01 | 54.00 | -7.99 | 38.31 | 7.56 | 35.05 | 34.91 | 236 | 360 | Average | HORIZONTAL |
| 6 | 5354.81 | 58.98 | 74.00 | -15.02 | 51.27 | 7.56 | 35.06 | 34.91 | 236 | 360 | Peak | HORIZONTAL |

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

| | | | |
|---------------|------------|----------------|--|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

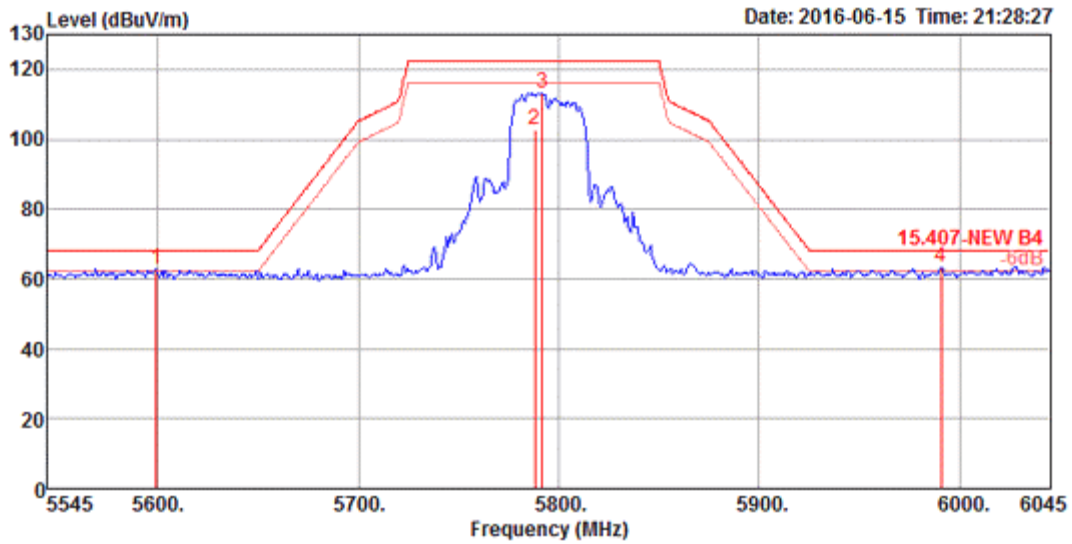
Channel 151



| | 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 | 5599.00 | 63.25 | 68.20 | -4.95 | 53.58 | 8.47 | 34.08 | 32.88 | 213 | 169 | Peak | VERTICAL |
| 2 | 5762.00 | 99.02 | | | 88.96 | 8.41 | 34.55 | 32.90 | 213 | 169 | Average | VERTICAL |
| 3 | 5762.00 | 110.76 | | | 100.70 | 8.41 | 34.55 | 32.90 | 213 | 169 | Peak | VERTICAL |
| 4 | 5936.00 | 64.28 | 68.20 | -3.92 | 53.81 | 8.37 | 35.01 | 32.91 | 213 | 169 | Peak | VERTICAL |

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

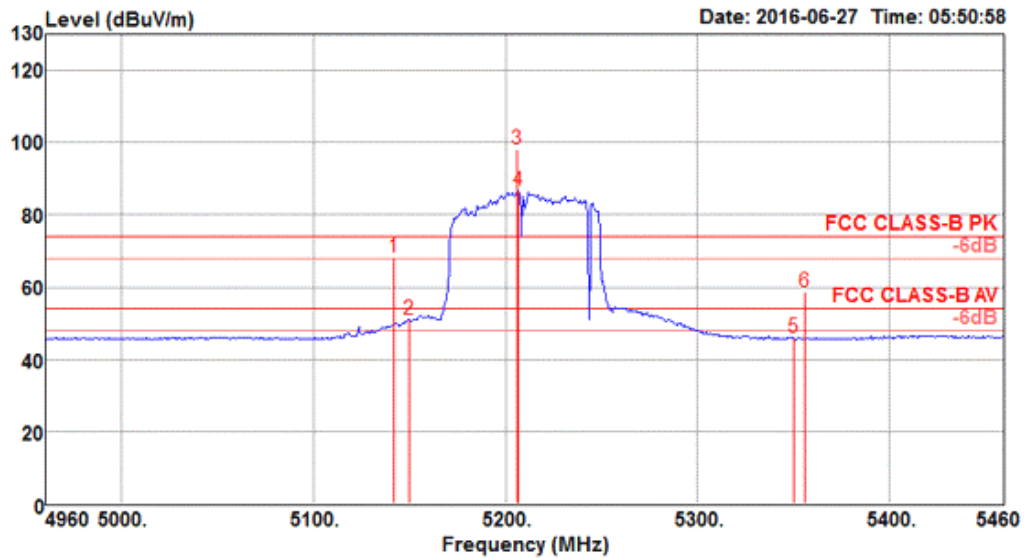


| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|-------|--------|--------------|--------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | Loss | Factor | cm | deg | | |
| 1 | 5599.00 | 62.73 | 68.20 | -5.47 | 53.06 | 8.47 | 34.08 | 211 | 198 | Peak | HORIZONTAL |
| 2 | 5788.00 | 102.59 | | | 92.49 | 8.41 | 34.59 | 211 | 198 | Average | HORIZONTAL |
| 3 | 5792.00 | 113.35 | | | 103.21 | 8.40 | 34.64 | 211 | 198 | Peak | HORIZONTAL |
| 4 | 5991.00 | 63.42 | 68.20 | -4.78 | 52.83 | 8.36 | 35.15 | 211 | 198 | Peak | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5795 MHz.

| | | | |
|---------------|------------|----------------|---|
| Temperature | 22°C | Humidity | 54% |
| Test Engineer | Gino Huang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3+ Chain 4 |

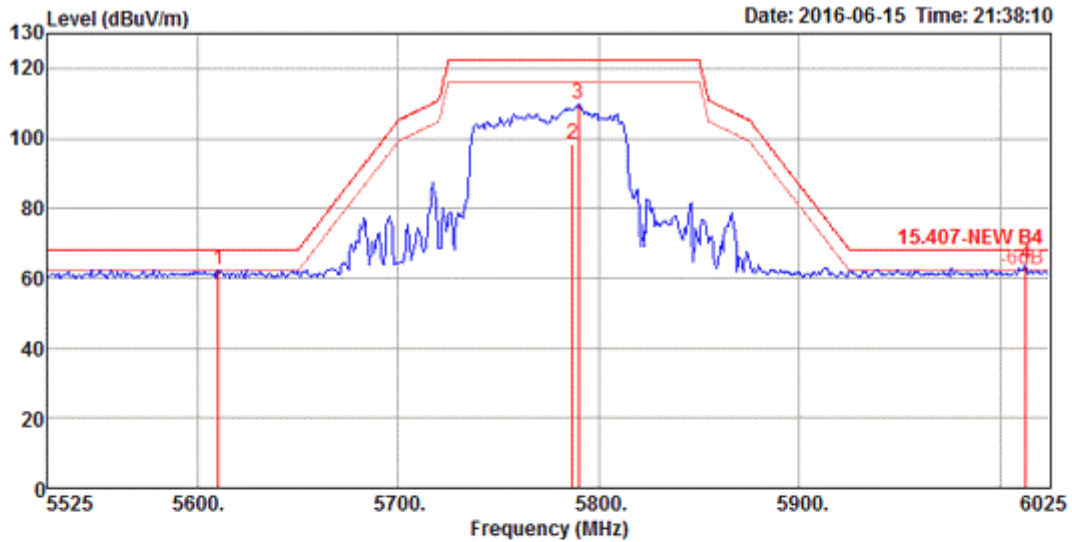
Channel 42



| | 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 | 5141.89 | 68.41 | 74.00 | -5.59 | 60.99 | 7.48 | 34.85 | 34.91 | 220 | 360 | Peak | HORIZONTAL |
| 2 | 5150.00 | 50.98 | 54.00 | -3.02 | 43.56 | 7.48 | 34.85 | 34.91 | 220 | 360 | Average | HORIZONTAL |
| 3 | 5205.99 | 98.27 | | | 90.78 | 7.49 | 34.91 | 34.91 | 220 | 360 | Peak | HORIZONTAL |
| 4 | 5206.80 | 86.75 | | | 79.26 | 7.49 | 34.91 | 34.91 | 220 | 360 | Average | HORIZONTAL |
| 5 | 5350.00 | 45.88 | 54.00 | -8.12 | 38.18 | 7.56 | 35.05 | 34.91 | 220 | 360 | Average | HORIZONTAL |
| 6 | 5356.41 | 58.55 | 74.00 | -15.45 | 50.84 | 7.56 | 35.06 | 34.91 | 220 | 360 | Peak | HORIZONTAL |

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

Channel 155



| | 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 | 5610.00 | 62.58 | 68.20 | -5.62 | 52.87 | 8.46 | 34.13 | 32.88 | 219 | 198 Peak | HORIZONTAL |
| 2 | 5787.00 | 98.56 | | | 88.46 | 8.41 | 34.59 | 32.90 | 219 | 198 Average | HORIZONTAL |
| 3 | 5790.00 | 109.91 | | | 99.77 | 8.40 | 34.64 | 32.90 | 219 | 198 Peak | HORIZONTAL |
| 4 | 6013.00 | 63.98 | 68.20 | -4.22 | 53.26 | 8.42 | 35.22 | 32.92 | 219 | 198 Peak | HORIZONTAL |

Item 2, 3 are the fundamental frequency at 5775 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. Frequency Stability Measurement

4.8.1. Limit

In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user’s manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

4.8.2. Measuring Instruments and Setting

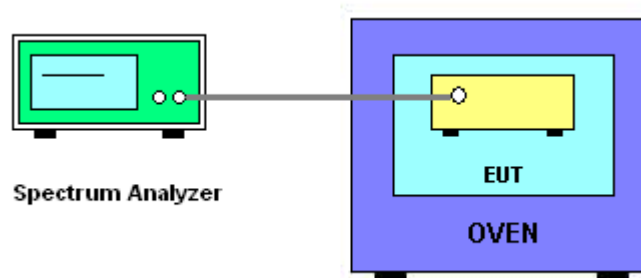
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

| Spectrum Parameter | Setting |
|--------------------|--|
| Attenuation | Auto |
| Span Frequency | Entire absence of modulation emissions bandwidth |
| RBW | 10 kHz |
| VBW | 10 kHz |
| Sweep Time | Auto |

4.8.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. fc is declaring of channel frequency. Then the frequency error formula is $(f_c - f) / f_c \times 10^6$ ppm and the limit is less than ± 20 ppm (IEEE 802.11n specification).
6. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
7. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
8. Extreme temperature is -40°C – 55°C .

4.8.4. Test Setup Layout





4.8.5. Test Deviation

There is no deviation with the original standard.

4.8.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.8.7. Test Result of Frequency Stability

| | | | |
|----------------------|------------|------------------|-----------------------------|
| Temperature | 25°C | Humidity | 60% |
| Test Engineer | Akina Chiu | Test Date | Jun. 15, 2016~Jul. 27, 2016 |

Mode: 20 MHz / Chain 1

Voltage vs. Frequency Stability

| Voltage (V) | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| | 5200 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| 126.50 | 5199.9922 | 5199.9921 | 5199.9917 | 5199.9913 |
| 110.00 | 5199.9915 | 5199.9909 | 5199.9901 | 5199.9895 |
| 93.50 | 5199.9914 | 5199.9904 | 5199.9897 | 5199.9896 |
| Max. Deviation (MHz) | 0.0086 | 0.0096 | 0.0103 | 0.0105 |
| Max. Deviation (ppm) | 1.65 | 1.84 | 1.98 | 2.02 |
| Result | Complies | | | |

Temperature vs. Frequency Stability

| Temperature (°C) | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| | 5200 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| -40 | 5199.9865 | 5199.9855 | 5199.9852 | 5199.9846 |
| -30 | 5199.9877 | 5199.9876 | 5199.9871 | 5199.9868 |
| -20 | 5199.9883 | 5199.9877 | 5199.9867 | 5199.9858 |
| -10 | 5199.9899 | 5199.9896 | 5199.9892 | 5199.9883 |
| 0 | 5199.9912 | 5199.9905 | 5199.9900 | 5199.9890 |
| 10 | 5199.9915 | 5199.9907 | 5199.9902 | 5199.9898 |
| 20 | 5199.9935 | 5199.9934 | 5199.9928 | 5199.9921 |
| 30 | 5199.9937 | 5199.9934 | 5199.9927 | 5199.9920 |
| 40 | 5199.9941 | 5199.9940 | 5199.9934 | 5199.9924 |
| 50 | 5199.9959 | 5199.9952 | 5199.9948 | 5199.9942 |
| 55 | 5199.9974 | 5199.9965 | 5199.9955 | 5199.9945 |
| Max. Deviation (MHz) | 0.0123 | 0.0124 | 0.0133 | 0.0142 |
| Max. Deviation (ppm) | 2.36 | 2.38 | 2.55 | 2.73 |
| Result | Complies | | | |

Voltage vs. Frequency Stability

| Voltage | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| (V) | 5785 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| 126.50 | 5784.9921 | 5784.9915 | 5784.9913 | 5784.9912 |
| 110.00 | 5784.9915 | 5784.9905 | 5784.9895 | 5784.9890 |
| 93.50 | 5784.9909 | 5784.9901 | 5784.9892 | 5784.9882 |
| Max. Deviation (MHz) | 0.0091 | 0.0099 | 0.0108 | 0.0118 |
| Max. Deviation (ppm) | 1.57 | 1.71 | 1.86 | 2.04 |
| Result | Complies | | | |

Temperature vs. Frequency Stability

| Temperature | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| (°C) | 5785 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| -40 | 5784.9880 | 5784.9872 | 5784.9862 | 5784.9861 |
| -30 | 5784.9891 | 5784.9886 | 5784.9881 | 5784.9873 |
| -20 | 5784.9895 | 5784.9894 | 5784.9891 | 5784.9889 |
| -10 | 5784.9906 | 5784.9897 | 5784.9896 | 5784.9892 |
| 0 | 5784.9912 | 5784.9906 | 5784.9898 | 5784.9888 |
| 10 | 5784.9915 | 5784.9908 | 5784.9907 | 5784.9899 |
| 20 | 5784.9935 | 5784.9931 | 5784.9925 | 5784.9918 |
| 30 | 5784.9941 | 5784.9939 | 5784.9929 | 5784.9923 |
| 40 | 5784.9957 | 5784.9948 | 5784.9944 | 5784.9940 |
| 50 | 5784.9965 | 5784.9964 | 5784.9957 | 5784.9949 |
| 55 | 5784.9967 | 5784.9957 | 5784.9950 | 5784.9945 |
| Max. Deviation (MHz) | 0.0109 | 0.0114 | 0.0119 | 0.0127 |
| Max. Deviation (ppm) | 1.88 | 1.97 | 2.05 | 2.19 |
| Result | Complies | | | |

Mode: 40 MHz / Chain 1

Voltage vs. Frequency Stability

| Voltage | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| (V) | 5190 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| 126.50 | 5189.9919 | 5189.9909 | 5189.9907 | 5189.9906 |
| 110.00 | 5189.9915 | 5189.9912 | 5189.9909 | 5189.9903 |
| 93.50 | 5189.9906 | 5189.9904 | 5189.9895 | 5189.9892 |
| Max. Deviation (MHz) | 0.0094 | 0.0096 | 0.0105 | 0.0108 |
| Max. Deviation (ppm) | 1.81 | 1.85 | 2.02 | 2.08 |
| Result | Complies | | | |

Temperature vs. Frequency Stability

| Temperature | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| (°C) | 5190 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| -40 | 5189.9866 | 5189.9857 | 5189.9854 | 5189.9849 |
| -30 | 5189.9881 | 5189.9878 | 5189.9873 | 5189.9864 |
| -20 | 5189.9882 | 5189.9872 | 5189.9866 | 5189.9864 |
| -10 | 5189.9899 | 5189.9896 | 5189.9894 | 5189.9886 |
| 0 | 5189.9908 | 5189.9904 | 5189.9897 | 5189.9892 |
| 10 | 5189.9915 | 5189.9908 | 5189.9904 | 5189.9900 |
| 20 | 5189.9935 | 5189.9928 | 5189.9925 | 5189.9923 |
| 30 | 5189.9952 | 5189.9942 | 5189.9934 | 5189.9931 |
| 40 | 5189.9970 | 5189.9969 | 5189.9962 | 5189.9959 |
| 50 | 5189.9949 | 5189.9944 | 5189.9940 | 5189.9933 |
| 55 | 5189.9964 | 5189.9954 | 5189.9947 | 5189.9938 |
| Max. Deviation (MHz) | 0.0119 | 0.0128 | 0.0134 | 0.0136 |
| Max. Deviation (ppm) | 2.29 | 2.46 | 2.58 | 2.62 |
| Result | Complies | | | |

Voltage vs. Frequency Stability

| Voltage | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| (V) | 5755 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| 126.50 | 5754.9920 | 5754.9919 | 5754.9917 | 5754.9907 |
| 110.00 | 5754.9915 | 5754.9909 | 5754.9899 | 5754.9893 |
| 93.50 | 5754.9906 | 5754.9901 | 5754.9898 | 5754.9891 |
| Max. Deviation (MHz) | 0.0094 | 0.0099 | 0.0102 | 0.0109 |
| Max. Deviation (ppm) | 1.63 | 1.72 | 1.77 | 1.89 |
| Result | Complies | | | |

Temperature vs. Frequency Stability

| Temperature | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| (°C) | 5755 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| -40 | 5754.9868 | 5754.9858 | 5754.9849 | 5754.9840 |
| -30 | 5754.9869 | 5754.9862 | 5754.9860 | 5754.9851 |
| -20 | 5754.9871 | 5754.9867 | 5754.9859 | 5754.9850 |
| -10 | 5754.9889 | 5754.9882 | 5754.9878 | 5754.9874 |
| 0 | 5754.9905 | 5754.9903 | 5754.9893 | 5754.9889 |
| 10 | 5754.9915 | 5754.9911 | 5754.9910 | 5754.9904 |
| 20 | 5754.9935 | 5754.9927 | 5754.9926 | 5754.9918 |
| 30 | 5754.9946 | 5754.9939 | 5754.9936 | 5754.9931 |
| 40 | 5754.9957 | 5754.9949 | 5754.9948 | 5754.9946 |
| 50 | 5754.9957 | 5754.9955 | 5754.9954 | 5754.9948 |
| 55 | 5754.9965 | 5754.9958 | 5754.9949 | 5754.9947 |
| Max. Deviation (MHz) | 0.0131 | 0.0138 | 0.0141 | 0.0150 |
| Max. Deviation (ppm) | 2.27 | 2.39 | 2.45 | 2.60 |
| Result | Complies | | | |

Mode: 80 MHz / Chain 1

Voltage vs. Frequency Stability

| Voltage | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| (V) | 5210 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| 126.50 | 5209.9922 | 5209.9914 | 5209.9911 | 5209.9909 |
| 110.00 | 5209.9915 | 5209.9906 | 5209.9900 | 5209.9896 |
| 93.50 | 5209.9907 | 5209.9897 | 5209.9892 | 5209.9889 |
| Max. Deviation (MHz) | 0.0093 | 0.0103 | 0.0108 | 0.0111 |
| Max. Deviation (ppm) | 1.78 | 1.97 | 2.07 | 2.13 |
| Result | Complies | | | |

Temperature vs. Frequency Stability

| Temperature | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| (°C) | 5210 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| -40 | 5209.9859 | 5209.9854 | 5209.9845 | 5209.9842 |
| -30 | 5209.9871 | 5209.9867 | 5209.9857 | 5209.9856 |
| -20 | 5209.9885 | 5209.9879 | 5209.9878 | 5209.9876 |
| -10 | 5209.9901 | 5209.9898 | 5209.9893 | 5209.9884 |
| 0 | 5209.9910 | 5209.9900 | 5209.9897 | 5209.9892 |
| 10 | 5209.9915 | 5209.9911 | 5209.9904 | 5209.9896 |
| 20 | 5209.9935 | 5209.9929 | 5209.9928 | 5209.9925 |
| 30 | 5209.9954 | 5209.9950 | 5209.9943 | 5209.9942 |
| 40 | 5209.9966 | 5209.9961 | 5209.9960 | 5209.9951 |
| 50 | 5209.9961 | 5209.9951 | 5209.9944 | 5209.9934 |
| 55 | 5209.9975 | 5209.9973 | 5209.9963 | 5209.9954 |
| Max. Deviation (MHz) | 0.0129 | 0.0133 | 0.0143 | 0.0144 |
| Max. Deviation (ppm) | 2.47 | 2.55 | 2.74 | 2.76 |
| Result | Complies | | | |

Voltage vs. Frequency Stability

| Voltage | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| (V) | 5775 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| 126.50 | 5774.9919 | 5774.9918 | 5774.9915 | 5774.9906 |
| 110.00 | 5774.9915 | 5774.9912 | 5774.9905 | 5774.9900 |
| 93.50 | 5774.9905 | 5774.9898 | 5774.9895 | 5774.9890 |
| Max. Deviation (MHz) | 0.0095 | 0.0102 | 0.0105 | 0.0110 |
| Max. Deviation (ppm) | 1.64 | 1.76 | 1.81 | 1.90 |
| Result | Complies | | | |

Temperature vs. Frequency Stability

| Temperature | Measurement Frequency (MHz) | | | |
|----------------------|-----------------------------|-----------|-----------|-----------|
| (°C) | 5775 MHz | | | |
| | 0 Minute | 2 Minute | 5 Minute | 10 Minute |
| -40 | 5774.9878 | 5774.9871 | 5774.9864 | 5774.9855 |
| -30 | 5774.9881 | 5774.9878 | 5774.9875 | 5774.9871 |
| -20 | 5774.9883 | 5774.9876 | 5774.9867 | 5774.9866 |
| -10 | 5774.9900 | 5774.9895 | 5774.9891 | 5774.9886 |
| 0 | 5774.9907 | 5774.9898 | 5774.9896 | 5774.9891 |
| 10 | 5774.9915 | 5774.9908 | 5774.9906 | 5774.9901 |
| 20 | 5774.9935 | 5774.9933 | 5774.9932 | 5774.9926 |
| 30 | 5774.9945 | 5774.9941 | 5774.9932 | 5774.9924 |
| 40 | 5774.9956 | 5774.9949 | 5774.9940 | 5774.9937 |
| 50 | 5774.9959 | 5774.9953 | 5774.9944 | 5774.9939 |
| 55 | 5774.9968 | 5774.9959 | 5774.9954 | 5774.9946 |
| Max. Deviation (MHz) | 0.0119 | 0.0124 | 0.0133 | 0.0134 |
| Max. Deviation (ppm) | 2.06 | 2.14 | 2.30 | 2.32 |
| Result | Complies | | | |

4.9. Antenna Requirements

4.9.1. 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.

4.9.2. 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 Receiver | Agilent | N9038A | My52260123 | 9kHz ~ 8.45GHz | Jan. 27, 2016 | Conduction (CO01-CB) |
| LISN | F.C.C. | FCC-LISN-50-16-2 | 04083 | 150kHz ~ 100MHz | Dec. 08, 2015 | Conduction (CO01-CB) |
| LISN | Schwarzbeck | NSLK 8127 | 8127647 | 9kHz ~ 30MHz | Dec. 23, 2015 | Conduction (CO01-CB) |
| COND Cable | Woken | Cable | 01 | 150kHz ~ 30MHz | May 24, 2016 | Conduction (CO01-CB) |
| Software | Audix | E3 | 6.120210n | - | N.C.R. | Conduction (CO01-CB) |
| BILOG ANTENNA | TESEQ | CBL6112D | 37880 | 20MHz ~ 2GHz | Sep. 03, 2015 | Radiation (03CH01-CB) |
| Loop Antenna | Teseq | HLA 6120 | 24155 | 9kHz - 30 MHz | Mar. 16, 2016* | Radiation (03CH01-CB) |
| Horn Antenna | EMCO | 3115 | 00075790 | 750MHz ~ 18GHz | Oct. 22, 2015 | Radiation (03CH01-CB) |
| Horn Antenna | Schwarzbeck | BBHA 9170 | BBHA9170585 | 15GHz ~ 40GHz | Oct. 07, 2015 | Radiation (03CH01-CB) |
| Pre-Amplifier | Agilent | 8447D | 2944A10991 | 0.1MHz ~ 1.3GHz | Mar. 15, 2016 | Radiation (03CH01-CB) |
| Pre-Amplifier | Agilent | 8449B | 3008A02310 | 1GHz ~ 26.5GHz | Jan. 18, 2016 | Radiation (03CH01-CB) |
| Pre-Amplifier | WM | TF-130N-R1 | 923365 | 26GHz ~ 40GHz | Nov. 13, 2015 | Radiation (03CH01-CB) |
| Spectrum Analyzer | R&S | FSP40 | 100056 | 9kHz ~ 40GHz | Oct. 27, 2015 | Radiation (03CH01-CB) |
| EMI Test | R&S | ESCS | 100355 | 9kHz ~ 2.75GHz | May 16, 2016 | Radiation (03CH01-CB) |
| RF Cable-low | Woken | Low Cable-1 | N/A | 30 MHz ~ 1 GHz | Nov. 02, 2015 | Radiation (03CH01-CB) |
| RF Cable-high | Woken | High Cable-16 | N/A | 1 GHz ~ 18 GHz | Nov. 02, 2015 | Radiation (03CH01-CB) |
| RF Cable-high | Woken | High Cable-17 | N/A | 1 GHz ~ 18 GHz | Nov. 02, 2015 | Radiation (03CH01-CB) |
| RF Cable-high | Woken | High Cable-40G-1 | N/A | 18GHz ~ 40 GHz | Nov. 02, 2015 | Radiation (03CH01-CB) |
| RF Cable-high | Woken | High Cable-40G-2 | N/A | 18GHz ~ 40 GHz | Nov. 02, 2015 | Radiation (03CH01-CB) |
| Test Software | Audix | E3 | 6.2009-I0-7 | N/A | N/A | Radiation (03CH01-CB) |
| Spectrum analyzer | R&S | FSV40 | 100979 | 9kHz~40GHz | Dec. 09, 2015 | Conducted (TH01-CB) |
| Temp. and Humidity Chamber | Ten Billion | TTH-D3SP | TBN-931011 | -30~100 degree | Jun. 03, 2016 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-6 | 1 GHz ~ 26.5 GHz | Nov. 02, 2015 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-7 | 1 GHz ~ 26.5 GHz | Nov. 02, 2015 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-8 | 1 GHz ~ 26.5 GHz | Nov. 02, 2015 | Conducted (TH01-CB) |



| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Remark |
|---------------|--------------|-----------|---------------|------------------|------------------|---------------------|
| RF Cable-high | Woken | RG402 | High Cable-9 | 1 GHz – 26.5 GHz | Nov. 02, 2015 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-10 | 1 GHz – 26.5 GHz | Nov. 02, 2015 | Conducted (TH01-CB) |
| Power Sensor | Agilent | U2021XA | MY53410001 | 50MHz~18GHz | Nov. 02, 2015 | 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) | 3.2 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% |