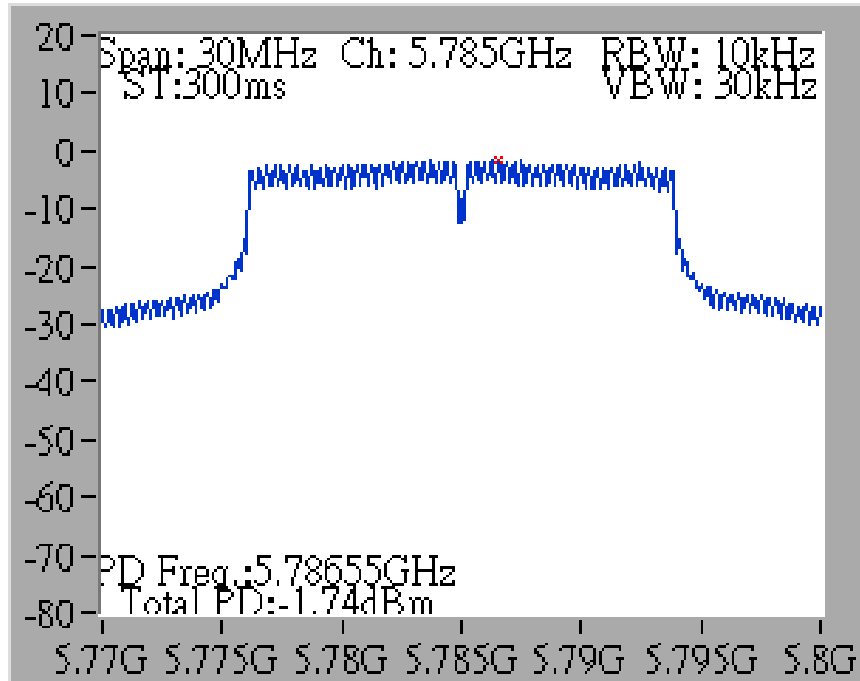
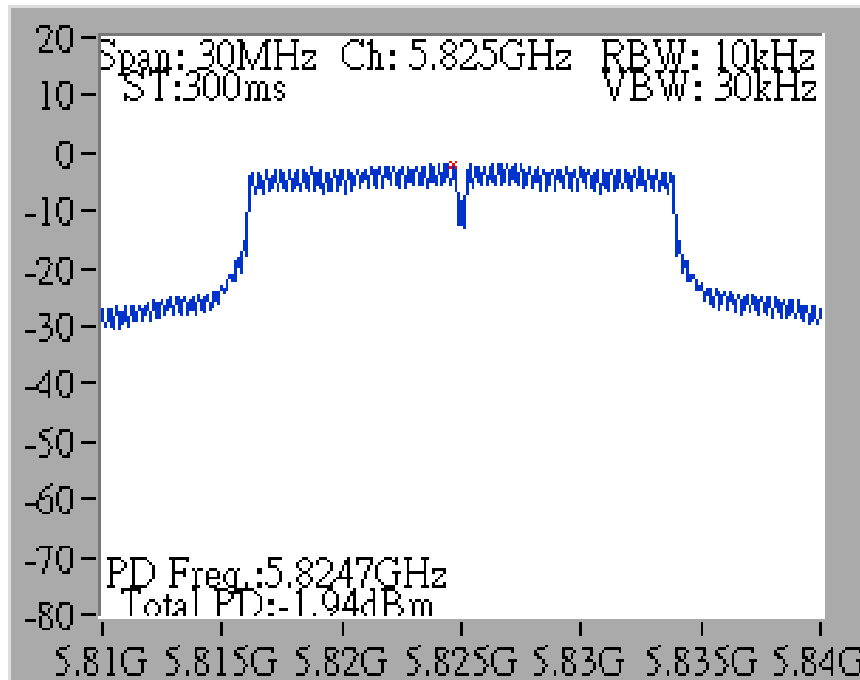


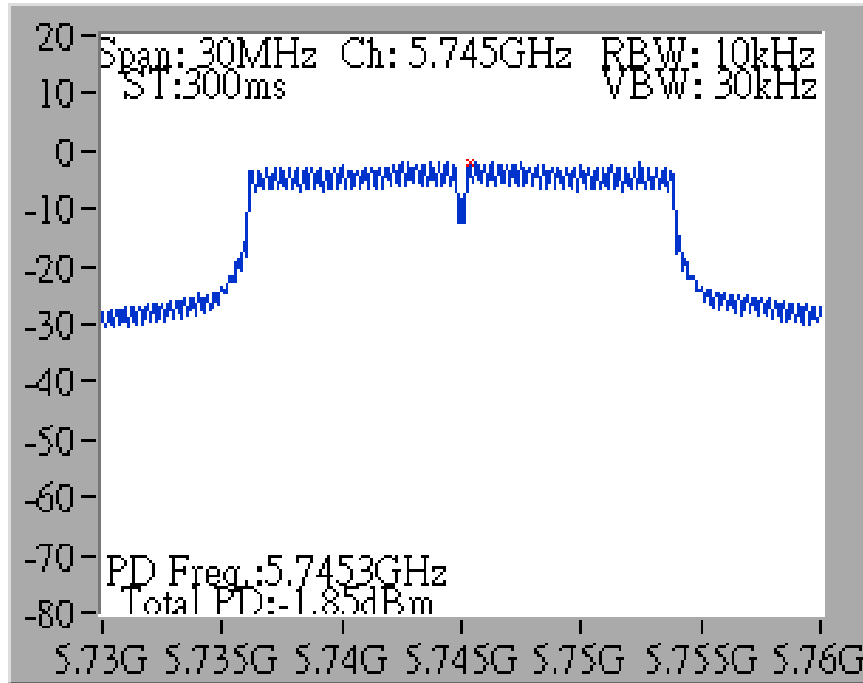
Power Density Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 1+2+3



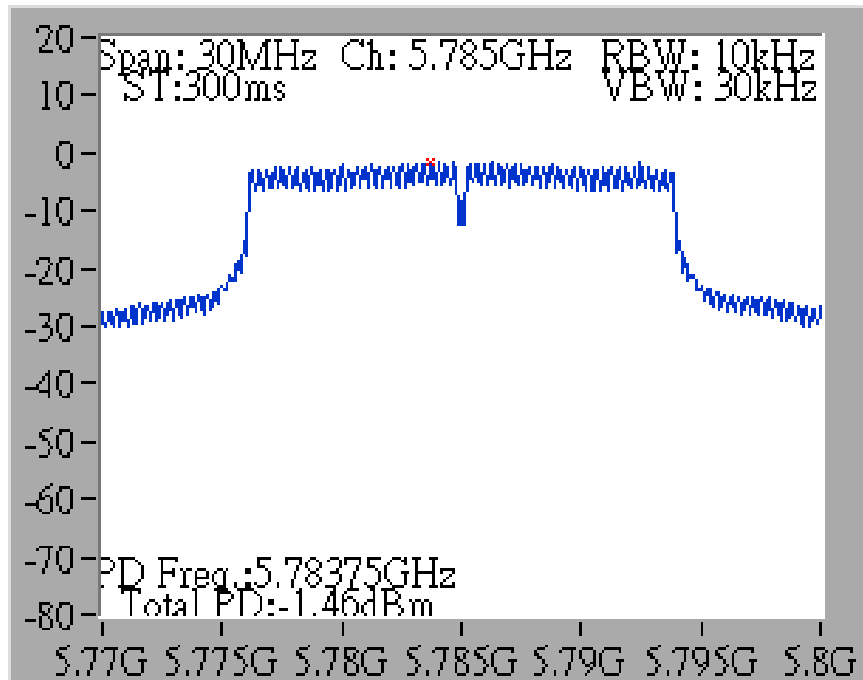
Power Density Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 1+2+3



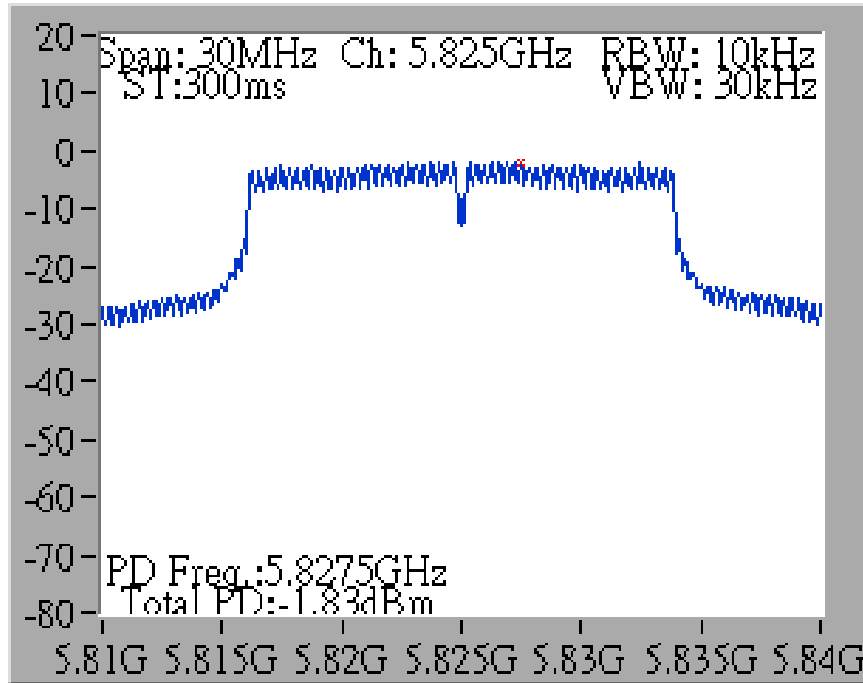
Power Density Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 1+2+3



Power Density Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 157 / Ant. 1+2+3



Power Density Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 1+2+3



| | | | |
|----------------------|--|----------------------|----------------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Wen Chao | Configuration | 802.11ac 40MHz |
| Duty Cycle | Nss1MCS0, Ant. 1+2+3, CDD: 97.95% Nss2MCS0, Ant. 1+2+3, CDD: 96.19% | | |

Configuration IEEE 802.11ac 40MHz

<Nss1MCS0, Ant. 1>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Antenna Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|--------------------|------------------------|----------|
| 151 | 5755 MHz | -10.13 | 5.79 | 8.00 | Complies |
| 159 | 5795 MHz | -8.88 | 5.12 | 8.00 | Complies |

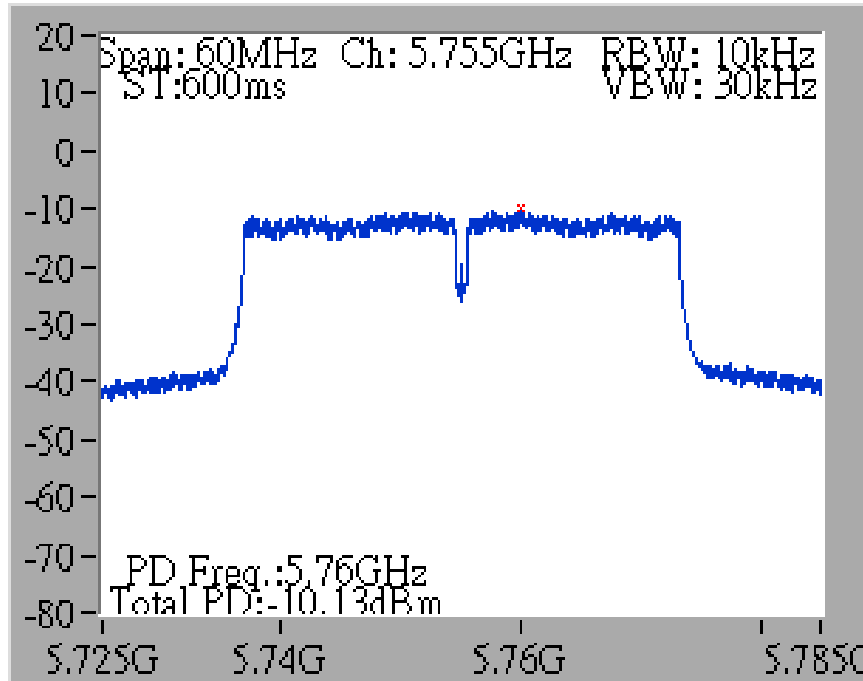
<Nss1MCS0, Ant. 1+2+3>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Antenna Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|--------------------|------------------------|----------|
| 151 | 5755 MHz | -5.41 | 5.79 | 8.00 | Complies |
| 159 | 5795 MHz | -5.12 | 5.20 | 8.00 | Complies |

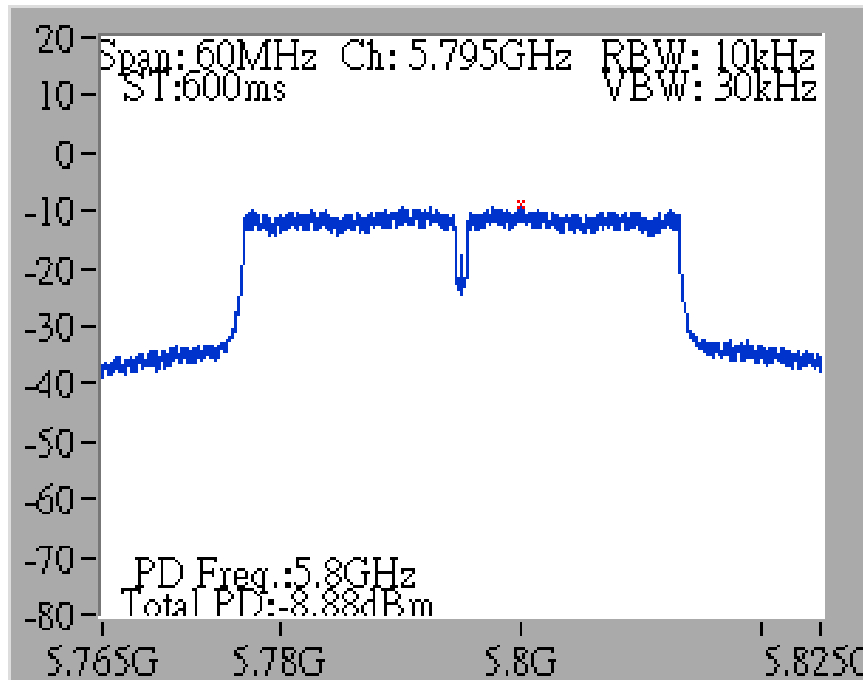
<Nss2MCS0, Ant. 1+2+3>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Antenna Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|--------------------|------------------------|----------|
| 151 | 5755 MHz | -5.31 | 5.79 | 8.00 | Complies |
| 159 | 5795 MHz | -4.96 | 5.20 | 8.00 | Complies |

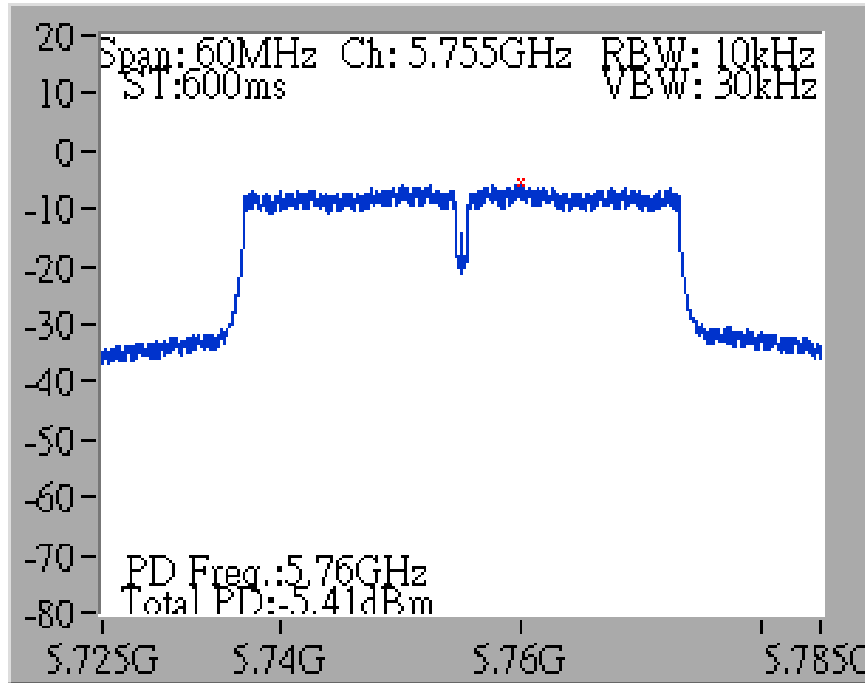
Power Density Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 1



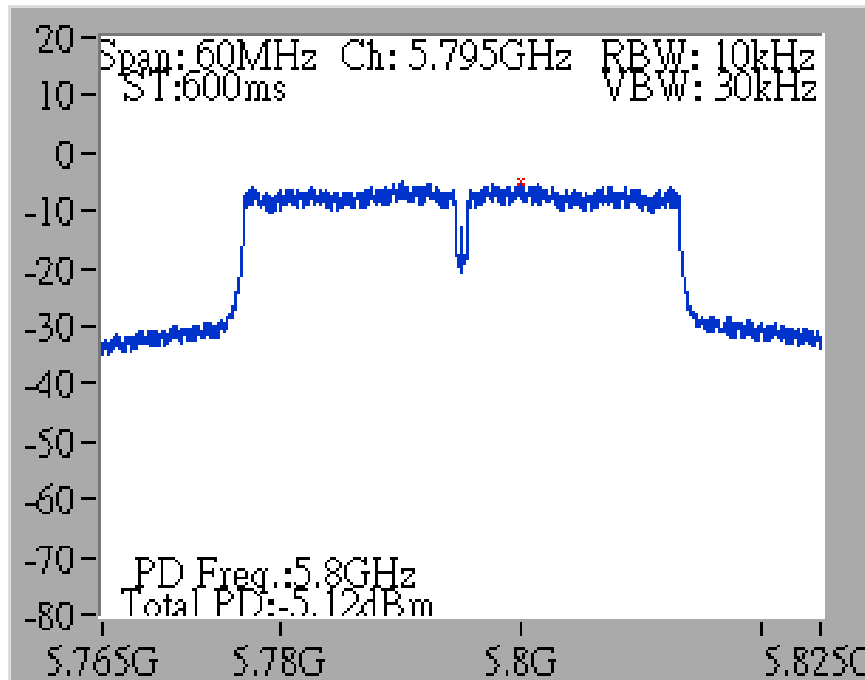
Power Density Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 1



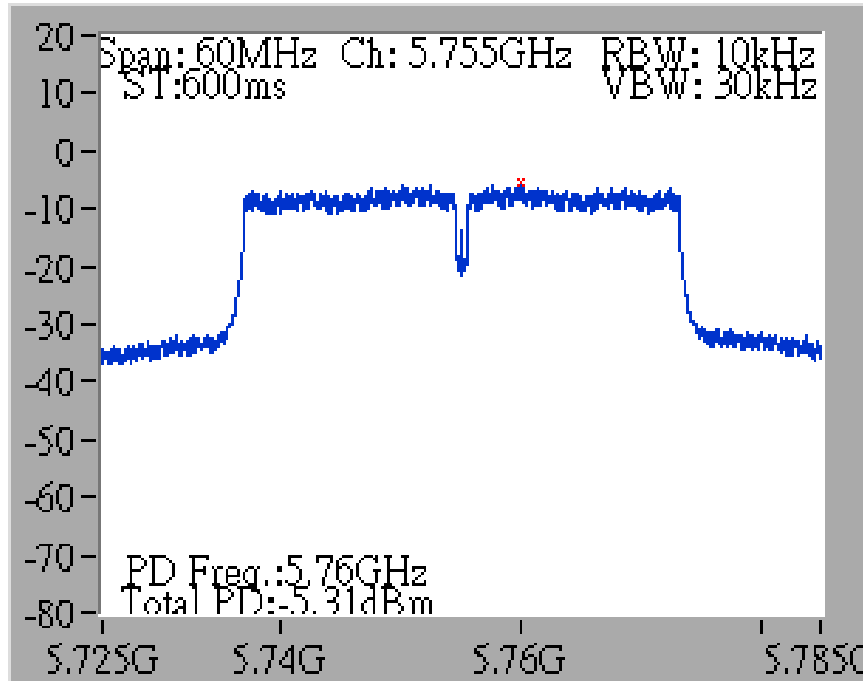
Power Density Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 1+2+3



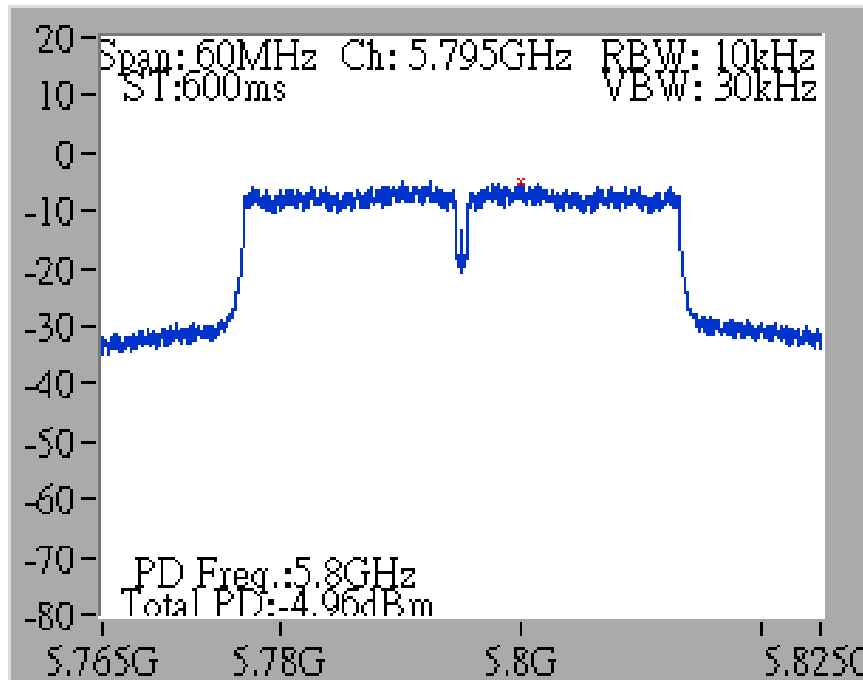
Power Density Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 1+2+3



Power Density Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 1+2+3



Power Density Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 159 / Ant. 1+2+3



| | | | |
|----------------------|--|----------------------|----------------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Wen Chao | Configuration | 802.11ac 80MHz |
| Duty Cycle | Nss1MCS0, Ant. 1+2+3, CDD: 95.87% Nss2MCS0, Ant. 1+2+3, CDD: 91.48% | | |

Configuration IEEE 802.11ac 80MHz

<Nss1MCS0, Ant. 3>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Antenna Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|--------------------|------------------------|----------|
| 155 | 5775 MHz | -14.04 | 5.09 | 8.00 | Complies |

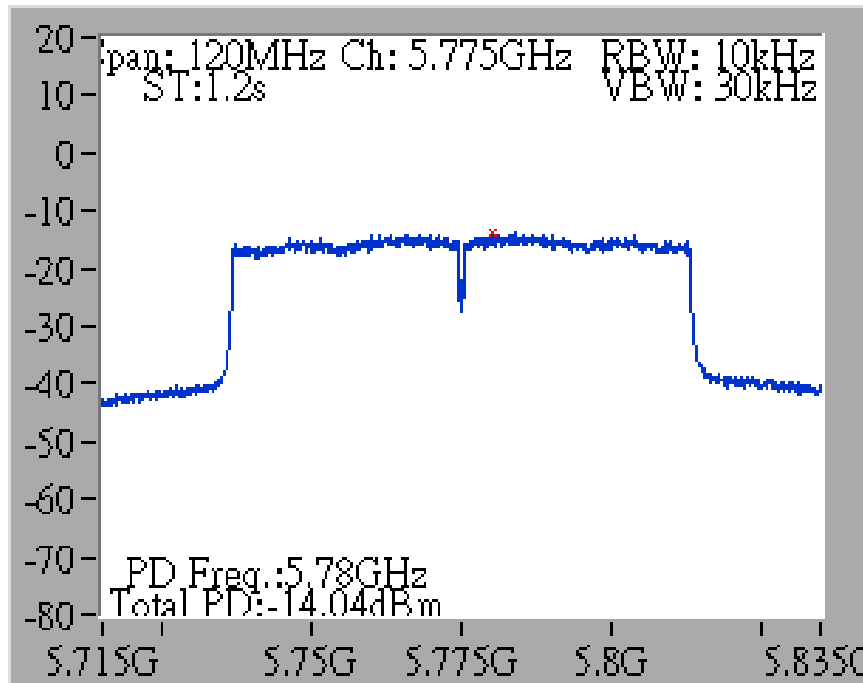
<Nss1MCS0, Ant. 1+2+3>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Antenna Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|--------------------|------------------------|----------|
| 155 | 5775 MHz | -10.62 | 5.19 | 8.00 | Complies |

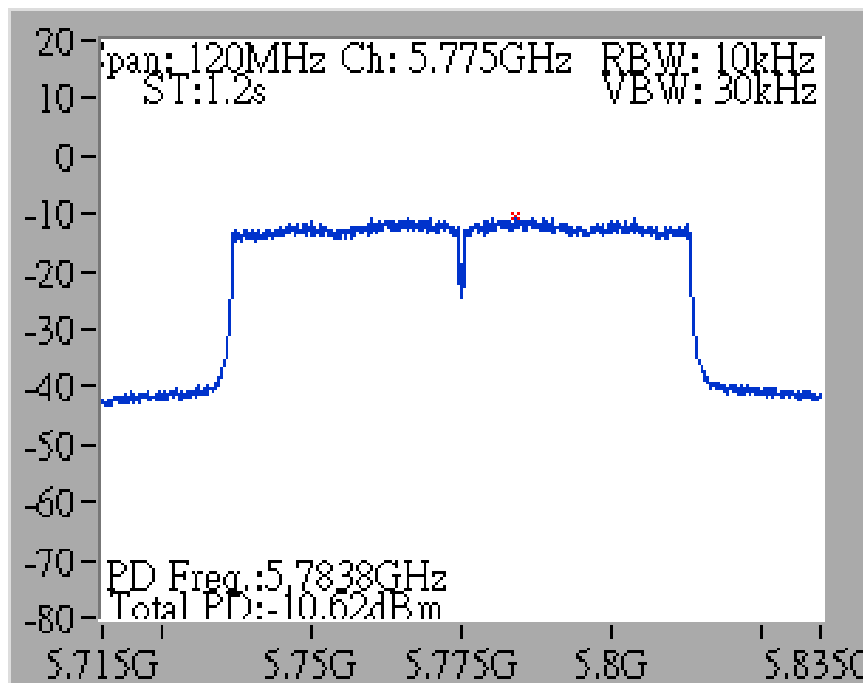
<Nss2MCS0, Ant. 1+2+3>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Antenna Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|--------------------|------------------------|----------|
| 155 | 5775 MHz | -9.24 | 5.19 | 8.00 | Complies |

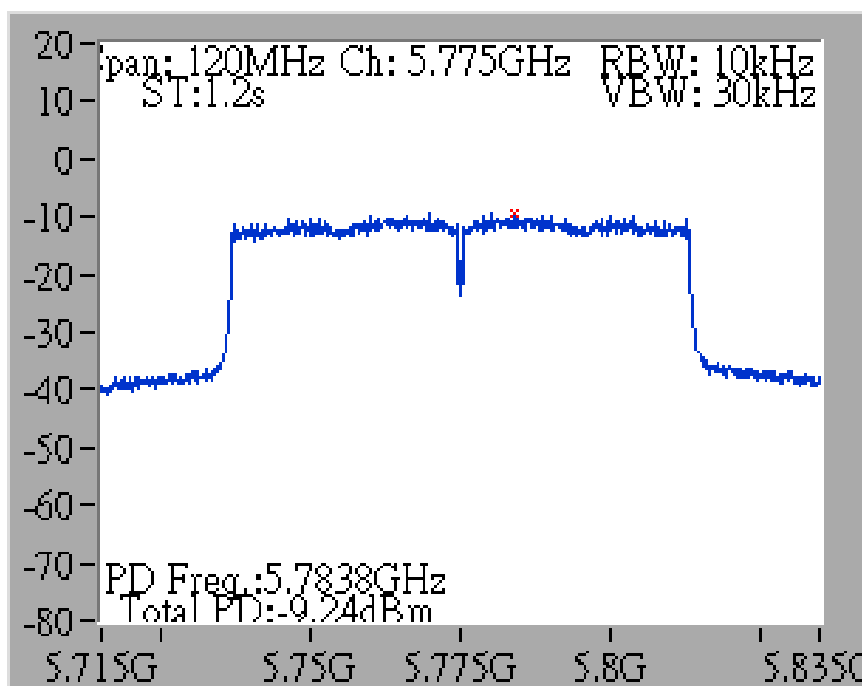
Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 3



Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 1+2+3



Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 1+2+3



For Beamforming

| | | | |
|----------------------|--|----------------------|----------------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Magic Lai | Configuration | 802.11ac 20MHz |
| Duty Cycle | Nss1MCS0, Ant. 1+2+3, CDD: 98.97% Nss2MCS0, Ant. 1+2+3, CDD: 98.20% | | |

Configuration IEEE 802.11ac 20MHz

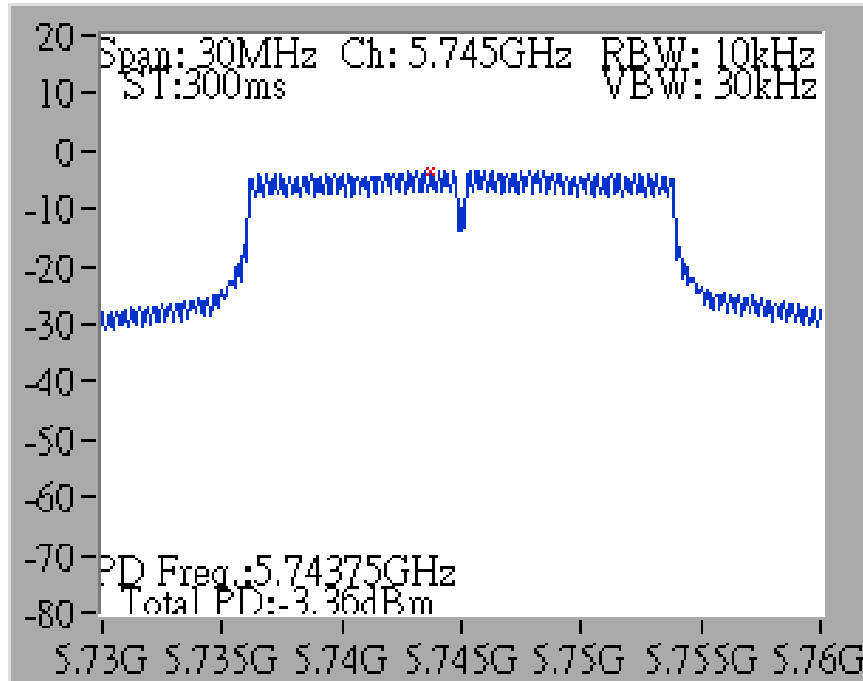
<Nss1MCS0, Ant. 1+2+3, CDD>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Directional Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|------------------------|------------------------|----------|
| 149 | 5745 MHz | -3.36 | 7.25 | 6.75 | Complies |
| 157 | 5785 MHz | -3.38 | 6.80 | 7.20 | Complies |
| 165 | 5825 MHz | -3.45 | 6.68 | 7.32 | Complies |

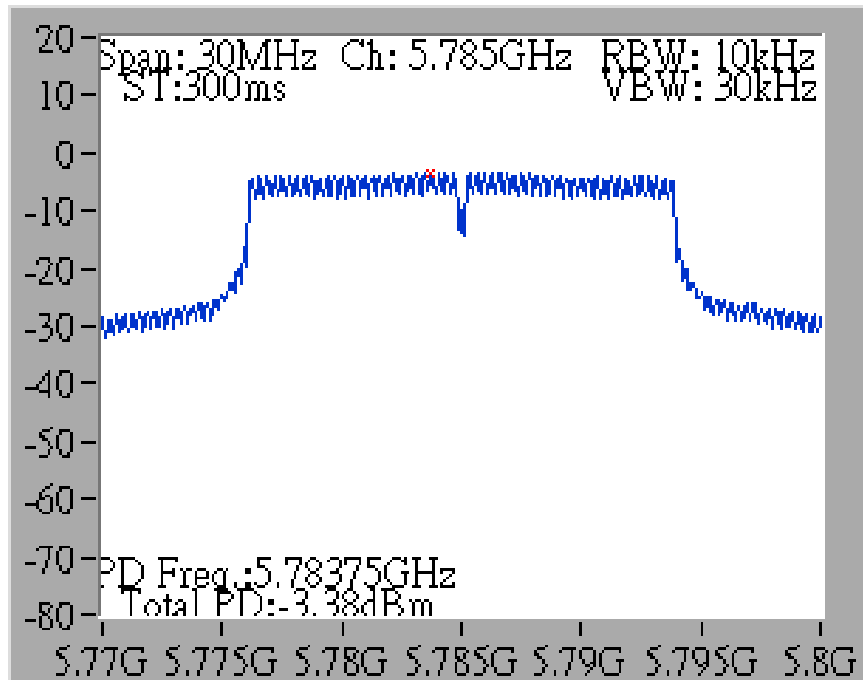
<Nss2MCS0, Ant. 1+2+3, CDD>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Directional Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|------------------------|------------------------|----------|
| 149 | 5745 MHz | -3.83 | 6.24 | 7.76 | Complies |
| 157 | 5785 MHz | -3.19 | 5.54 | 8.00 | Complies |
| 165 | 5825 MHz | -3.28 | 5.30 | 8.00 | Complies |

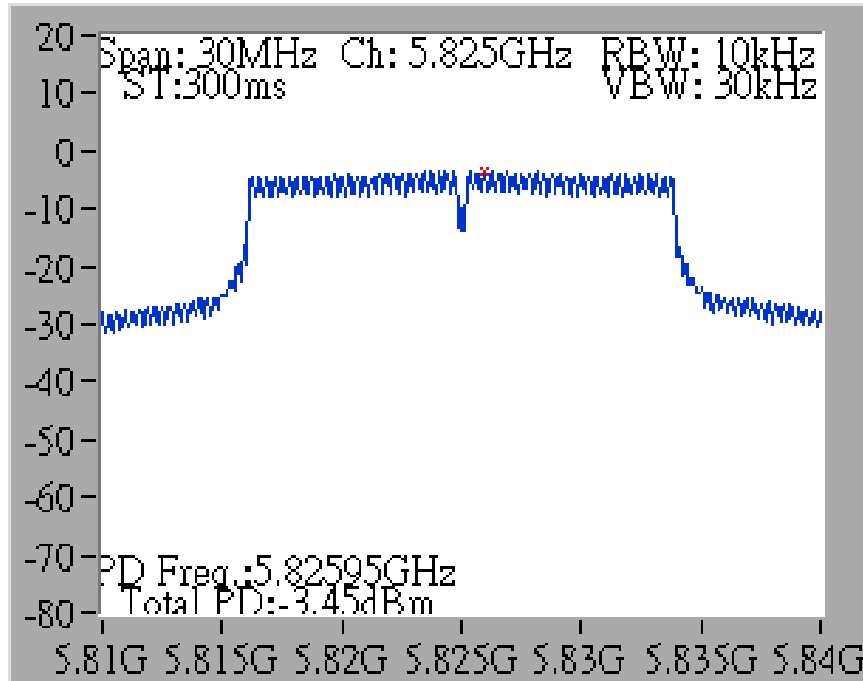
Power Density Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 1+2+3



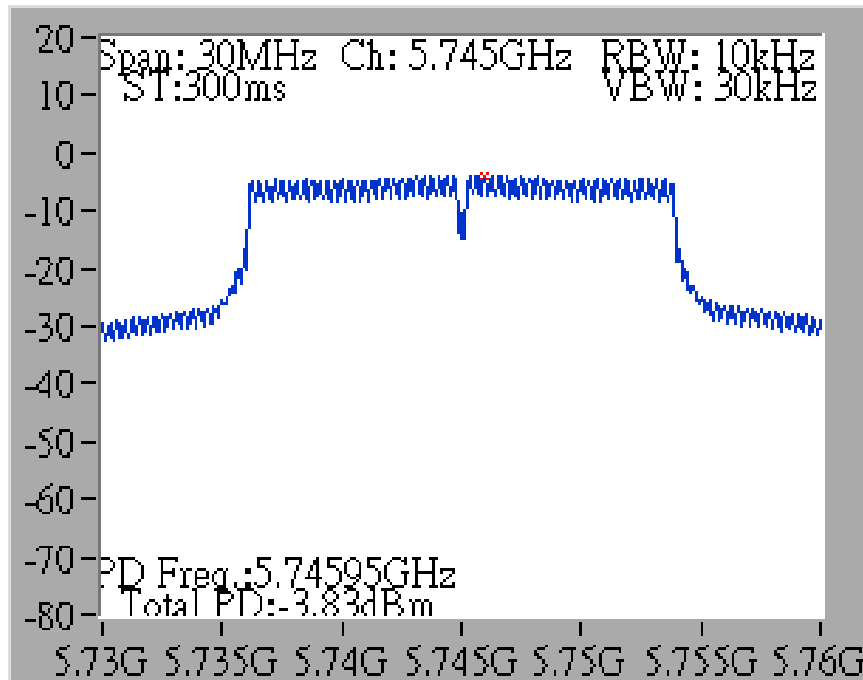
Power Density Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 1+2+3



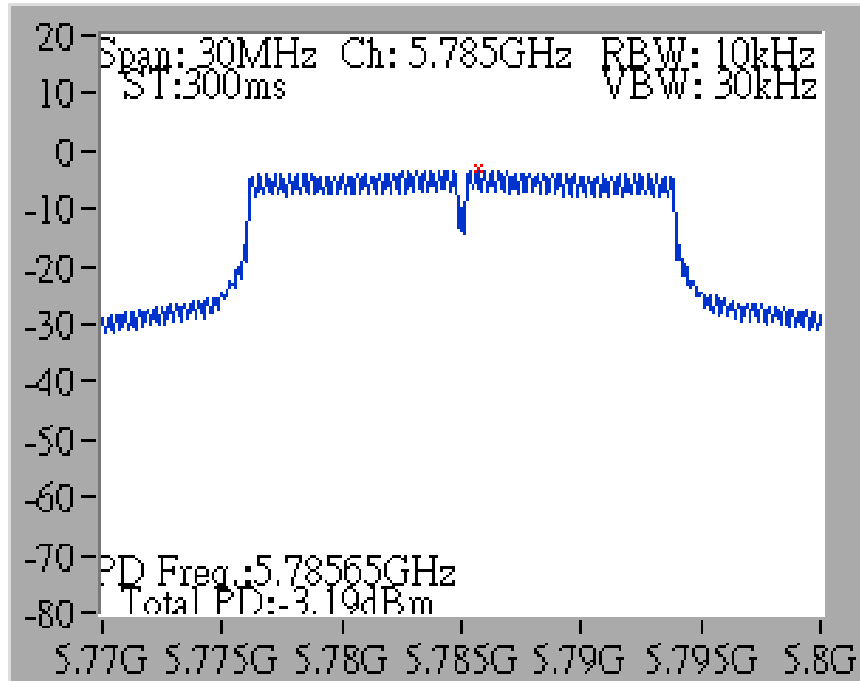
Power Density Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 1+2+3



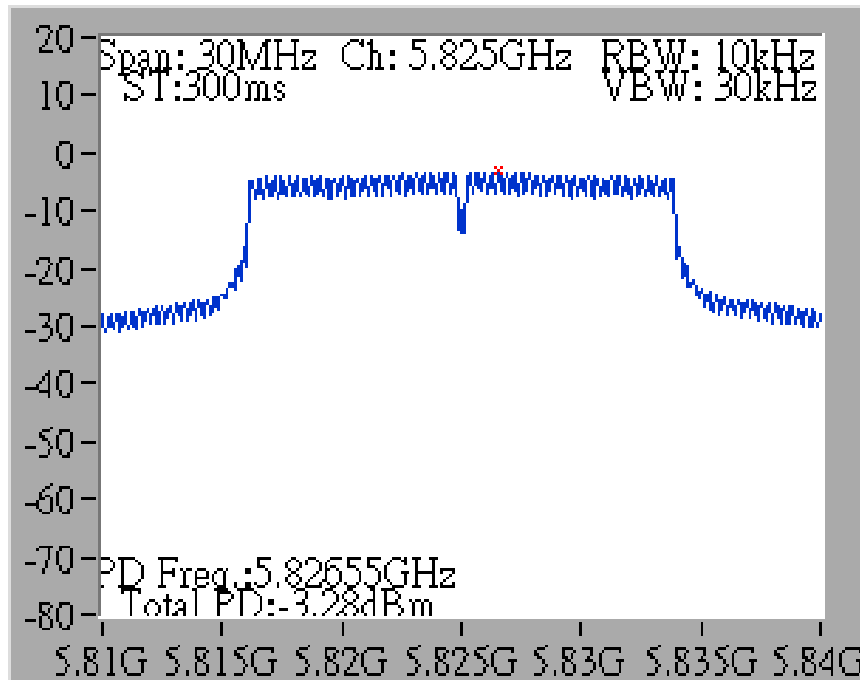
Power Density Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 1+2+3



Power Density Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 157 / Ant. 1+2+3



Power Density Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 1+2+3



| | | | |
|----------------------|--|----------------------|----------------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Magic Lai | Configuration | 802.11ac 40MHz |
| Duty Cycle | Nss1MCS0, Ant. 1+2+3, CDD: 97.46% Nss2MCS0, Ant. 1+2+3, CDD: 98.15% | | |

Configuration IEEE 802.11ac 40MHz

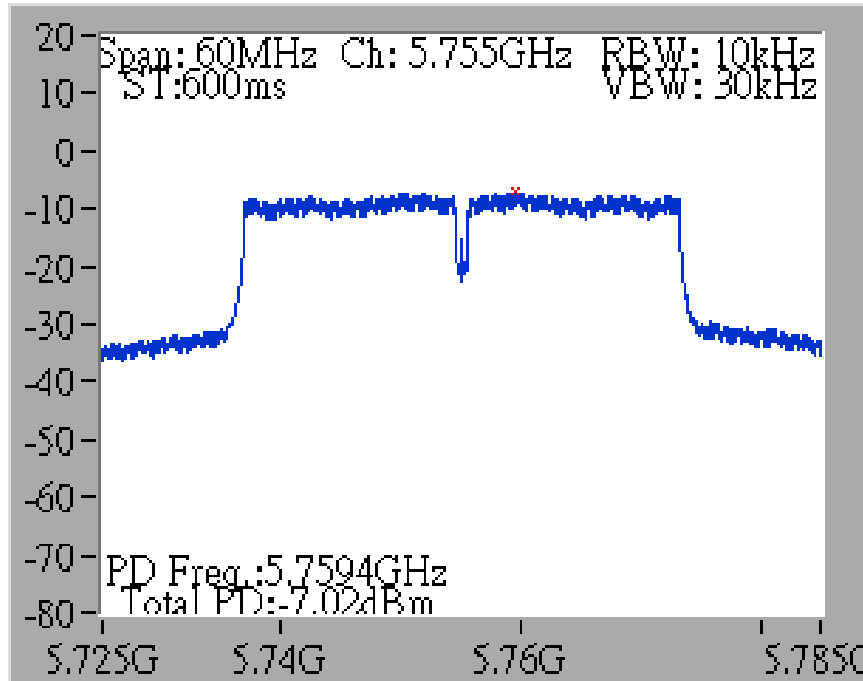
<Nss1MCS0, Ant. 1+2+3, CDD>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Directional Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|------------------------|------------------------|----------|
| 151 | 5755 MHz | -7.02 | 7.68 | 6.32 | Complies |
| 159 | 5795 MHz | -7.02 | 7.07 | 6.93 | Complies |

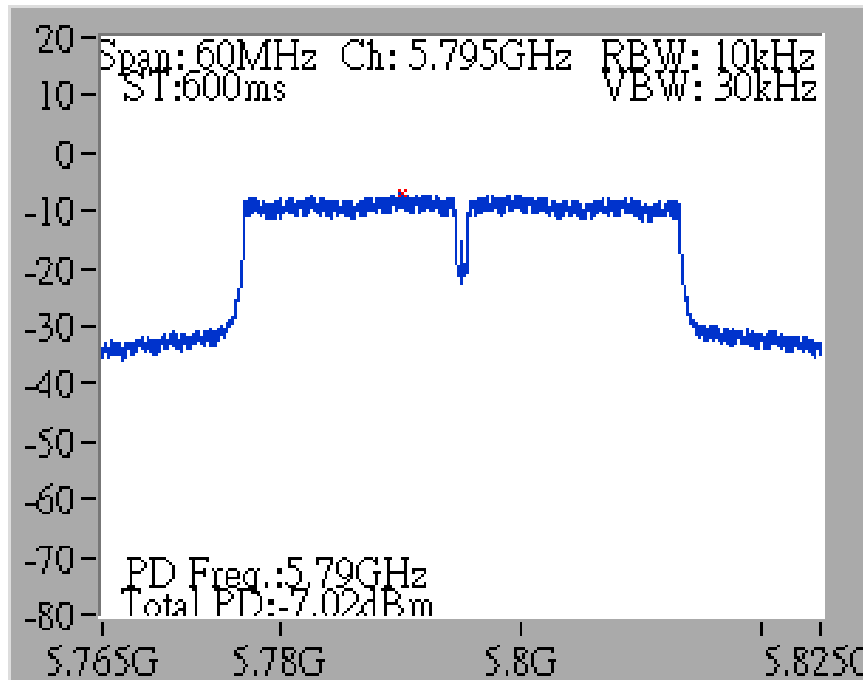
<Nss2MCS0, Ant. 1+2+3, CDD>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Directional Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|------------------------|------------------------|----------|
| 151 | 5755 MHz | -7.14 | 6.53 | 7.47 | Complies |
| 159 | 5795 MHz | -7.09 | 5.79 | 8.00 | Complies |

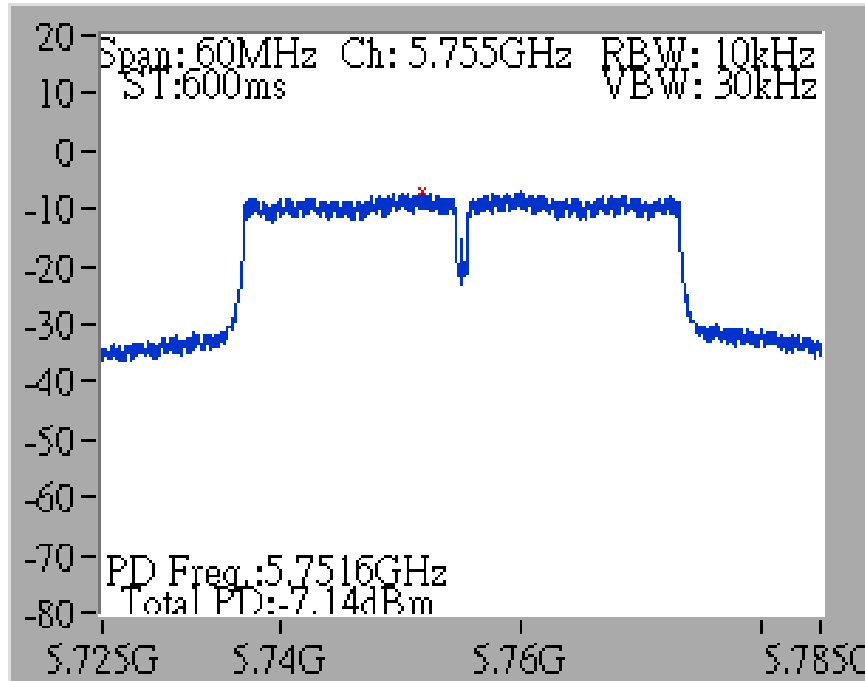
Power Density Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 1+2+3



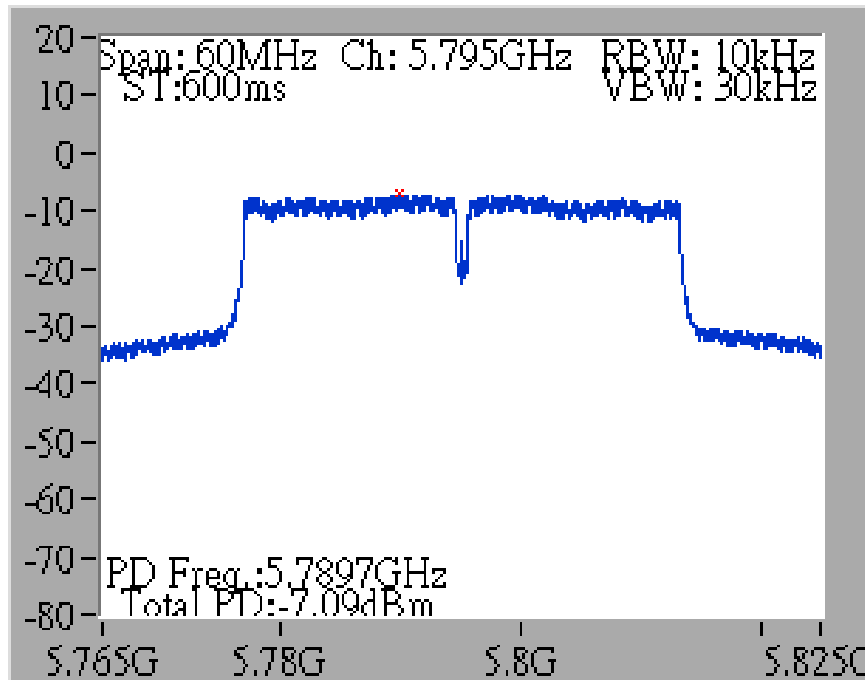
Power Density Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 1+2+3



Power Density Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 1+2+3



Power Density Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 159 / Ant. 1+2+3



| | | | |
|----------------------|--|----------------------|----------------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Magic Lai | Configuration | 802.11ac 80MHz |
| Duty Cycle | Nss1MCS0, Ant. 1+2+3, CDD: 95.49% Nss2MCS0, Ant. 1+2+3, CDD: 96.38% | | |

Configuration IEEE 802.11ac 80MHz

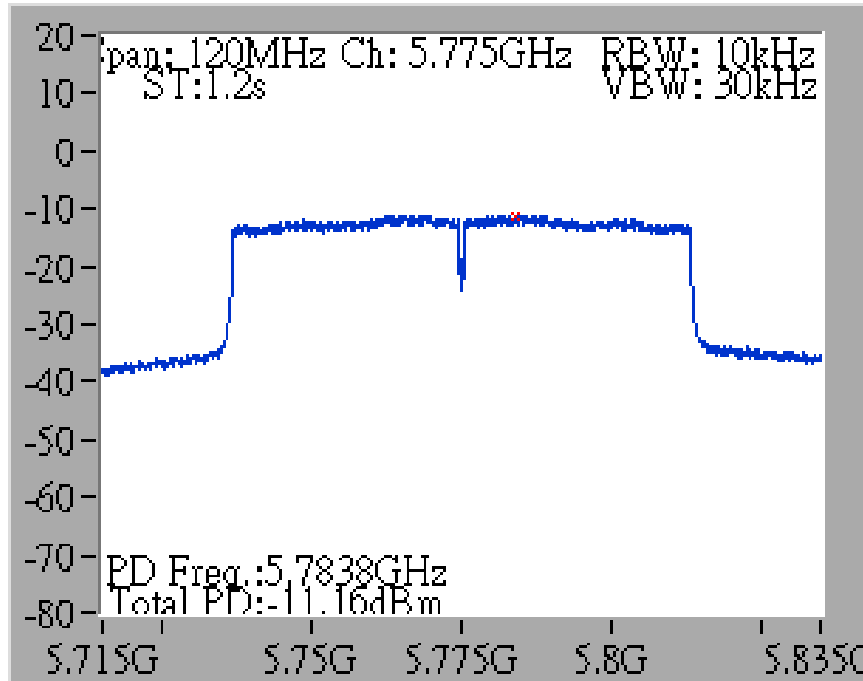
<Nss1MCS0, Ant. 1+2+3, CDD>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Directional Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|------------------------|------------------------|----------|
| 155 | 5775 MHz | -11.16 | 7.28 | 6.72 | Complies |

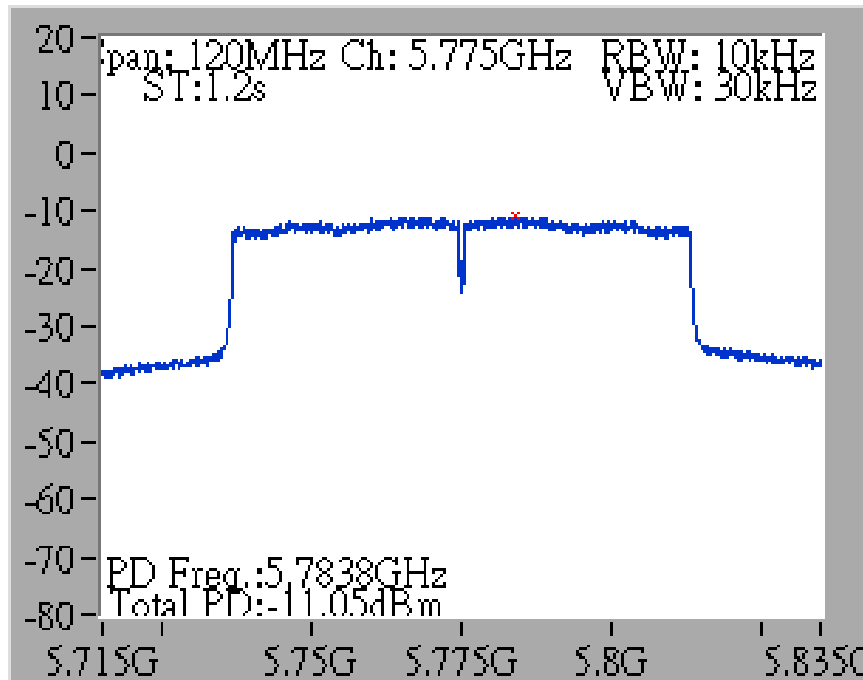
<Nss1MCS0, Ant. 1+2+3, CDD>

| Channel | Frequency | Total Power Density (dBm/10kHz) | Directional Gain (dBi) | Max. Limit (dBm/10kHz) | Result |
|---------|-----------|---------------------------------|------------------------|------------------------|----------|
| 155 | 5775 MHz | -11.05 | 6.04 | 7.96 | Complies |

Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 1+2+3



Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 1+2+3



4.4. 6dB Spectrum Bandwidth Measurement

4.4.1. Limit

For digital modulation systems, the minimum 6dB bandwidth shall be at least 500 kHz.

4.4.2. Measuring Instruments and Setting

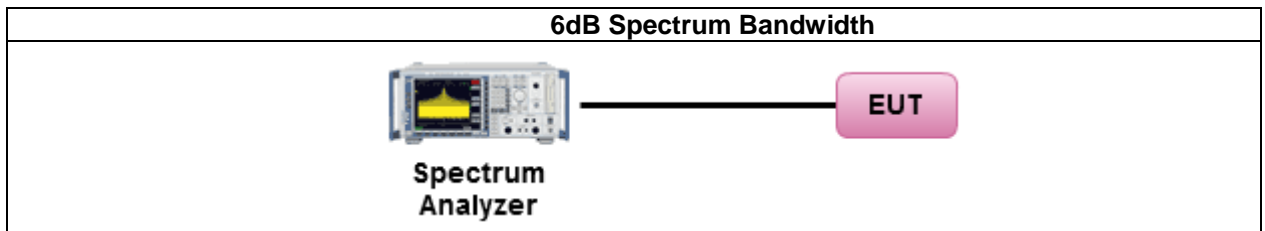
The following table is the setting of the spectrum analyzer.

| Spectrum Parameters | Setting |
|---------------------|---------------------------------------|
| Attenuation | Auto |
| Span Frequency | > 6dB Bandwidth |
| RBW | 1-5 % of the emission bandwidth (EBW) |
| VBW | ≥ 3 x RBW |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

4.4.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.
2. The resolution bandwidth of 1-5 % of the emission bandwidth (EBW) and the video bandwidth of ≥ 3 x RBW were used.
3. Measured the spectrum width with power higher than 6d account by this measurement.

4.4.4. Test Setup Layout



4.4.5. Test Deviation

There is no deviation with the original standard.

4.4.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.4.7. Test Result of 6dB Spectrum Bandwidth

For Non-Beamforming

| | | | |
|----------------------|---------------|----------------------|---------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Wen Chao | Configuration | 802.11a |

Configuration IEEE 802.11a

<Ant. 1>

| Channel | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|------------------------------|------------------|-------------|
| 149 | 5745 MHz | 16.32 | 20.64 | 500 | Complies |
| 157 | 5785 MHz | 16.32 | 20.96 | 500 | Complies |
| 165 | 5825 MHz | 16.32 | 21.52 | 500 | Complies |

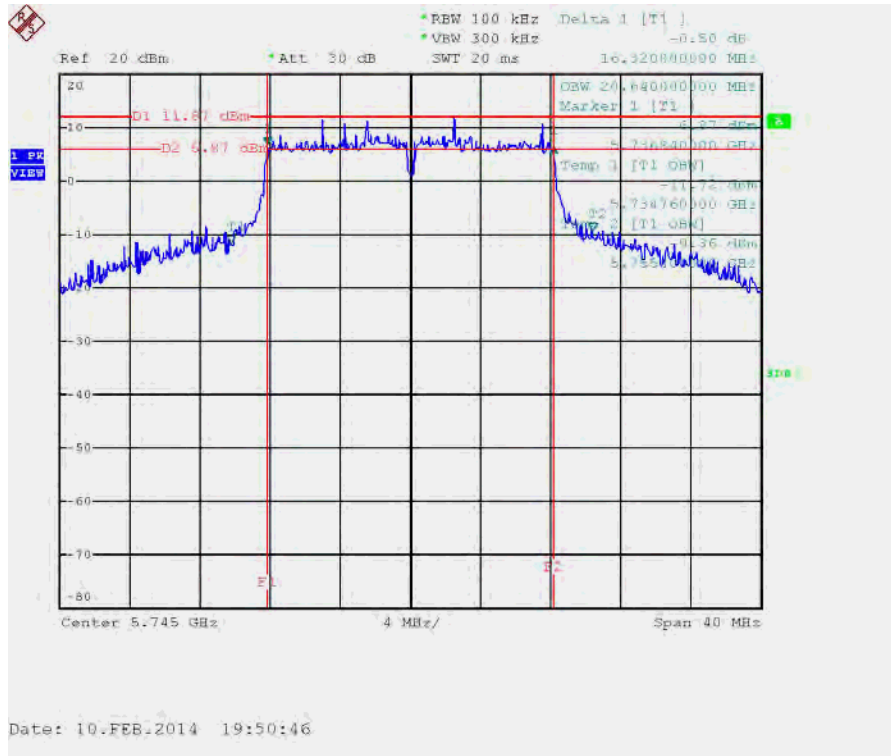
<Ant. 1+2+3, CDD>

| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 149 | 5745 MHz | 16.32 | 16.32 | 16.32 | 18.24 | 17.04 | 18.08 | 500 | Complies |
| 157 | 5785 MHz | 16.32 | 16.32 | 16.32 | 20.32 | 16.96 | 18.00 | 500 | Complies |
| 165 | 5825 MHz | 16.32 | 16.32 | 16.24 | 19.68 | 16.88 | 22.08 | 500 | Complies |

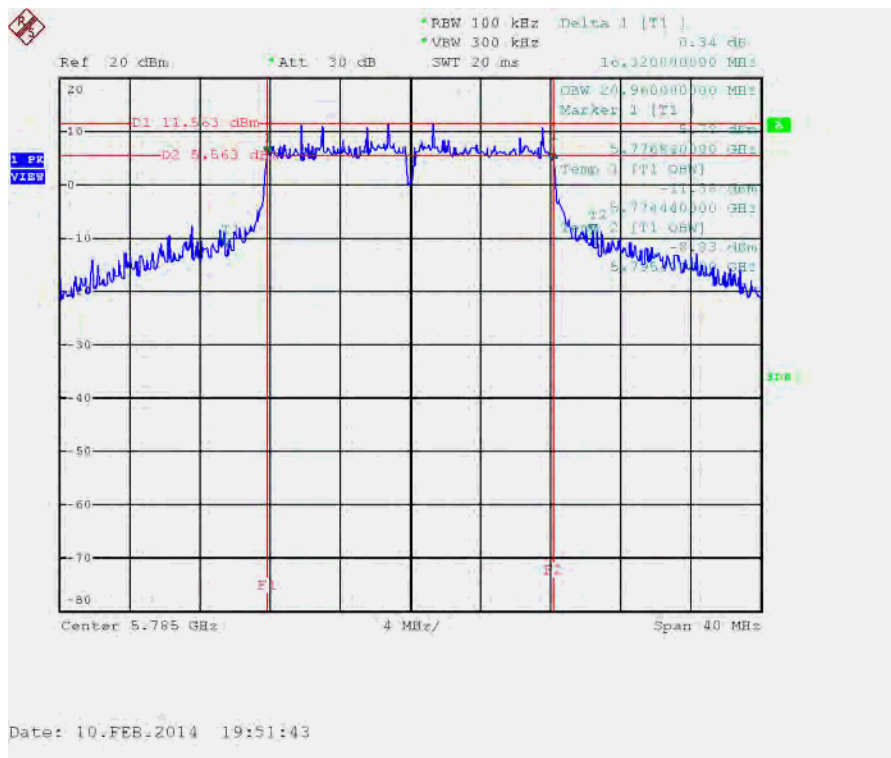
For Non-Beamforming

For <Ant. 1>

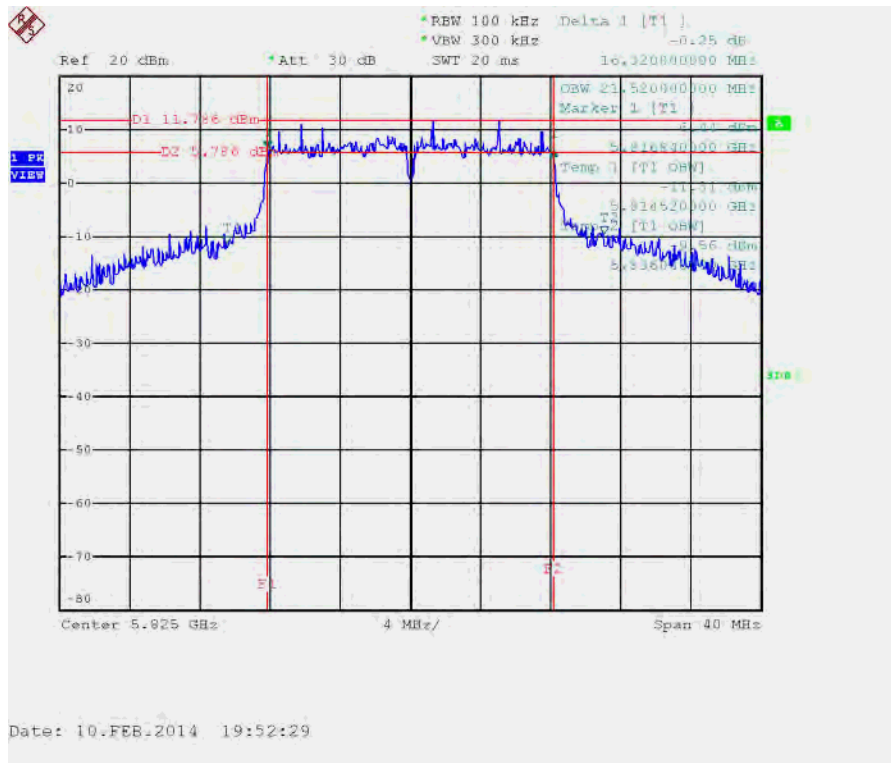
6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 149 / Ant. 1



6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 157 / Ant. 1

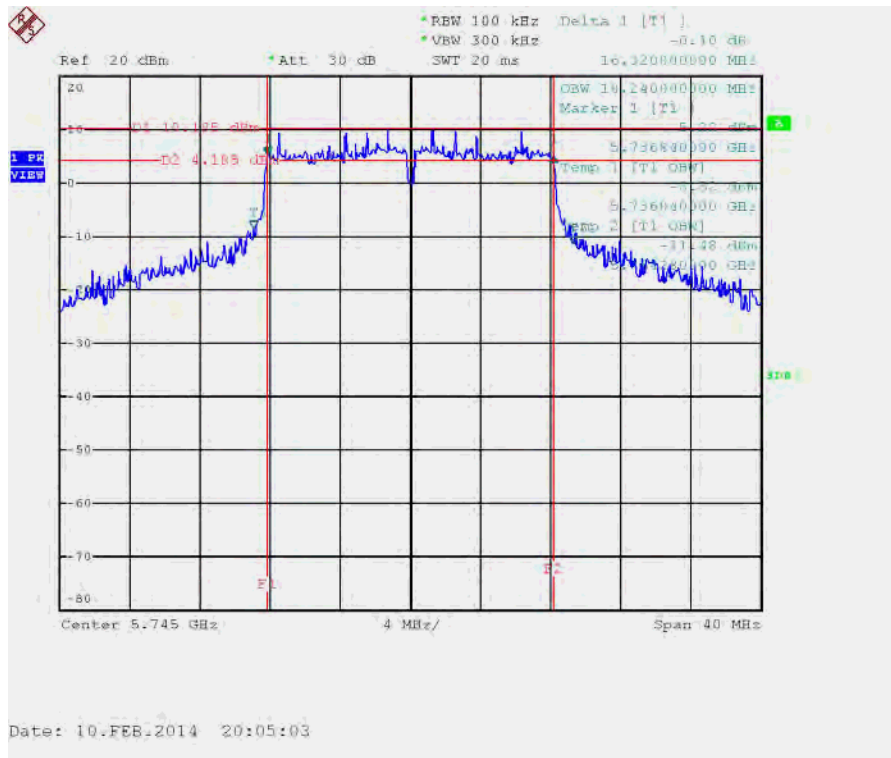


6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 165 / Ant. 1

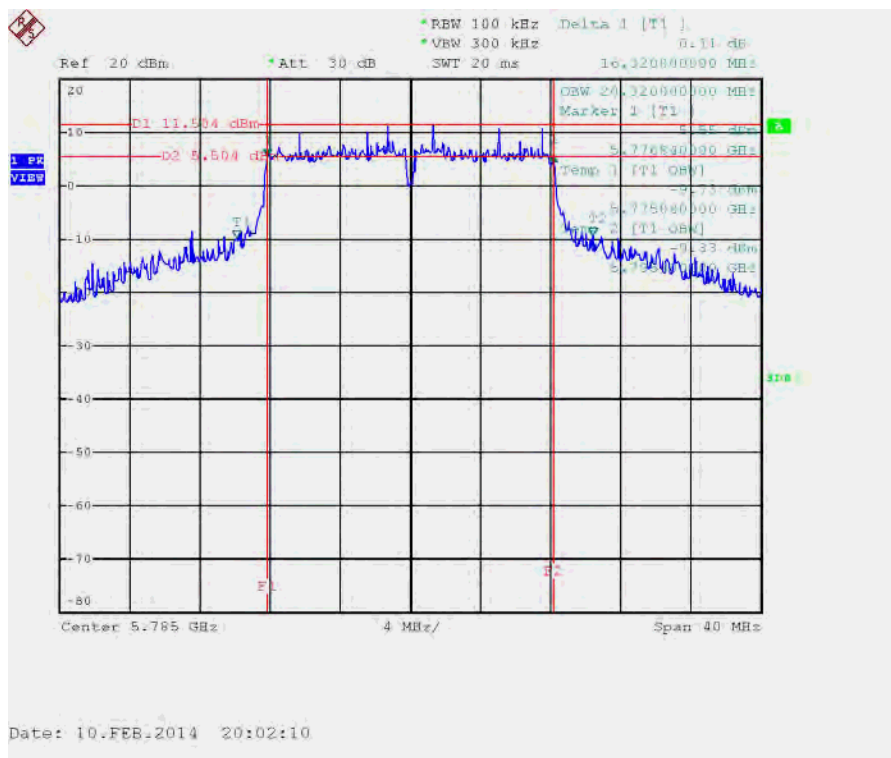


For <Ant. 1+2+3, CDD>

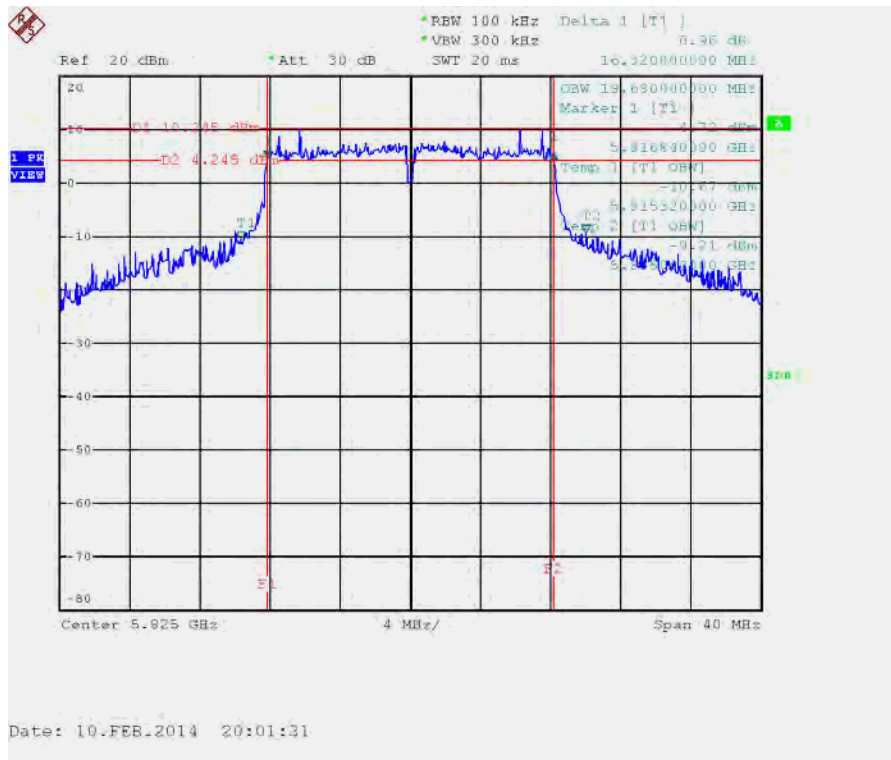
6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 149 / Ant. 1



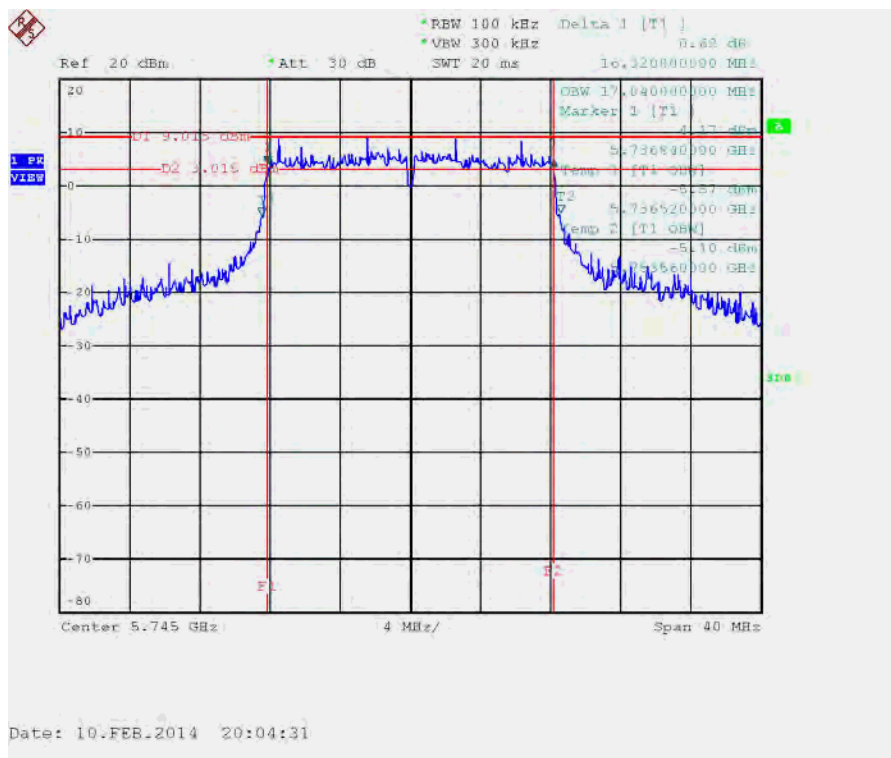
6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 157 / Ant. 1



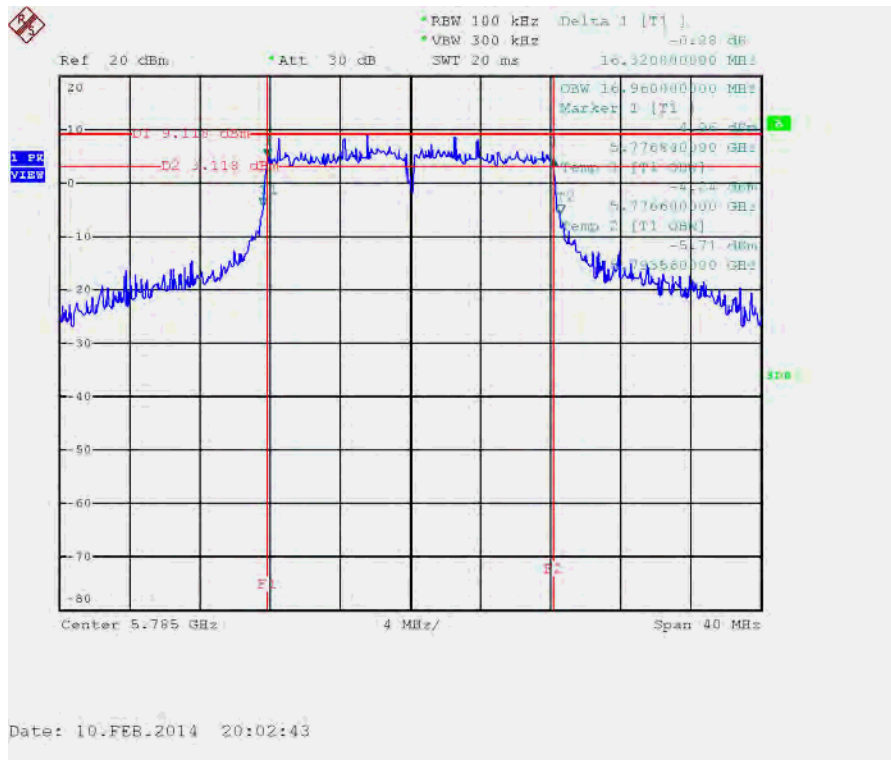
6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 165 / Ant. 1



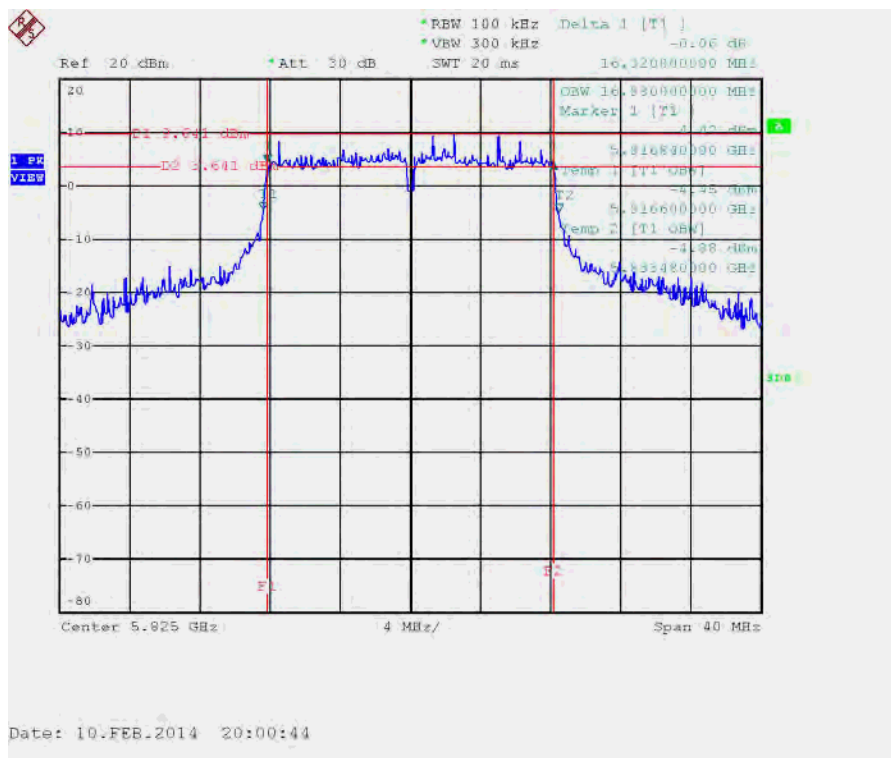
6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 149 / Ant. 2



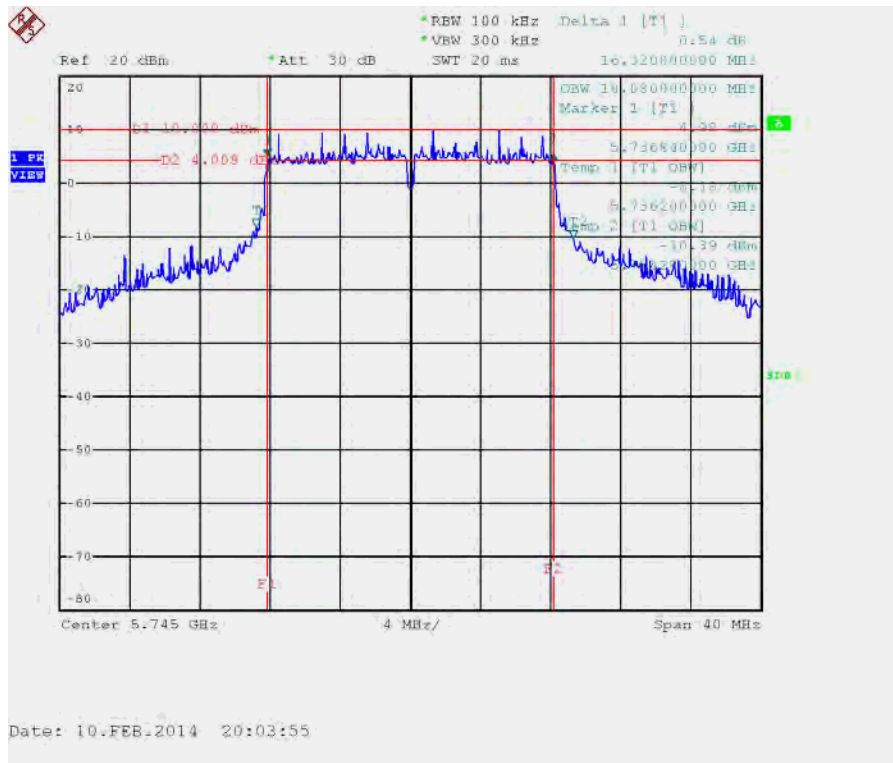
6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 157 / Ant. 2



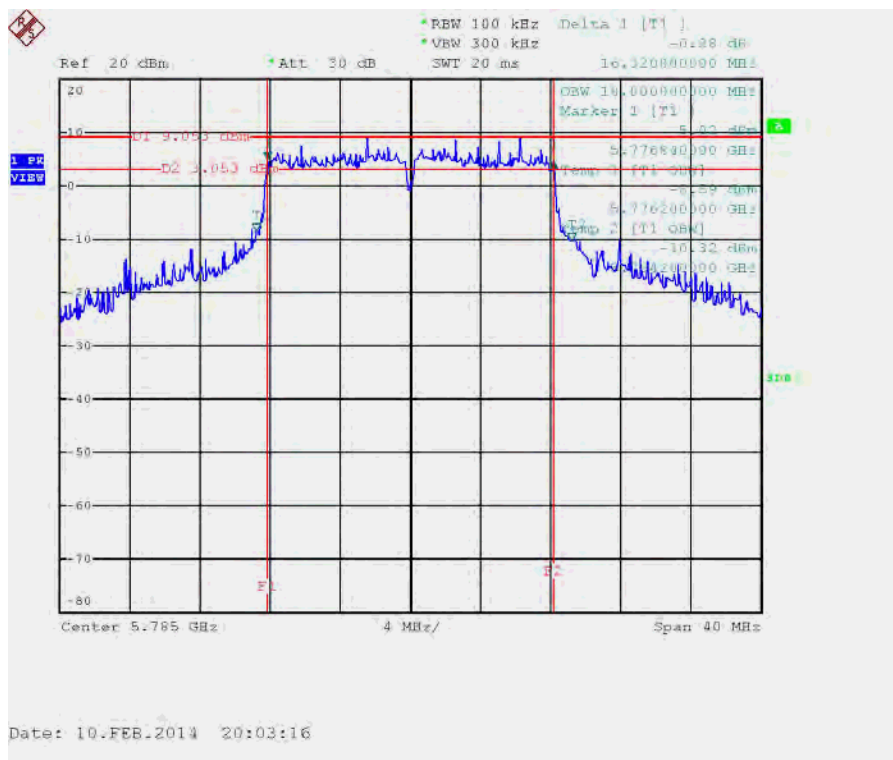
6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 165 / Ant. 2



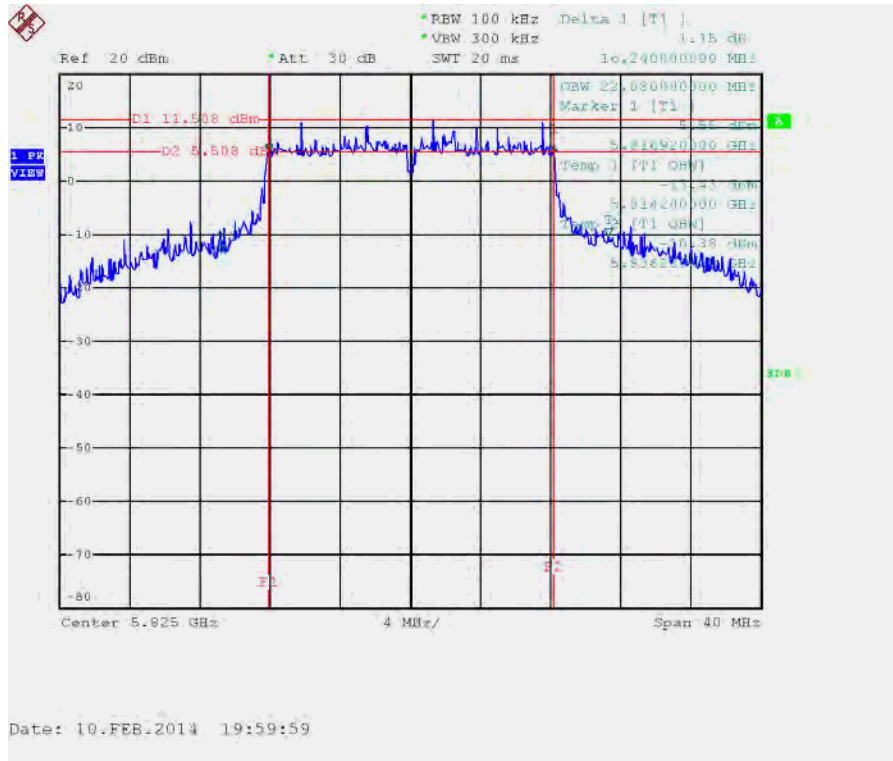
6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 149 / Ant. 3



6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 157 / Ant. 3



6 dB Bandwidth Plot on Configuration IEEE 802.11a / CH 165 / Ant. 3



| | | | |
|----------------------|---------------|----------------------|----------------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Wen Chao | Configuration | 802.11ac 20MHz |

Configuration IEEE 802.11ac 20MHz

<Nss1MCS0, Ant. 1>

| Channel | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|------------------------------|------------------|-------------|
| 149 | 5745 MHz | 17.60 | 21.20 | 500 | Complies |
| 157 | 5785 MHz | 17.28 | 21.76 | 500 | Complies |
| 165 | 5825 MHz | 17.60 | 21.68 | 500 | Complies |

<Nss1MCS0, Ant. 1+2+3>

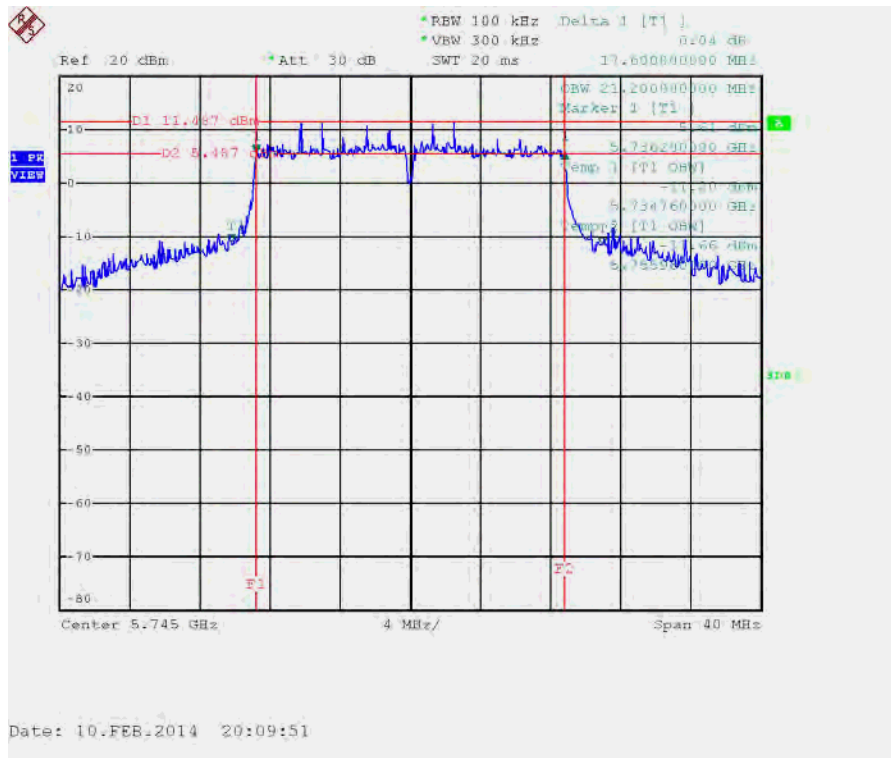
| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 149 | 5745 MHz | 17.60 | 17.60 | 17.60 | 21.84 | 17.92 | 20.80 | 500 | Complies |
| 157 | 5785 MHz | 17.12 | 17.60 | 17.60 | 22.24 | 17.92 | 21.92 | 500 | Complies |
| 165 | 5825 MHz | 17.60 | 17.60 | 17.60 | 21.52 | 17.92 | 24.00 | 500 | Complies |

<Nss2MCS0, Ant. 1+2+3>

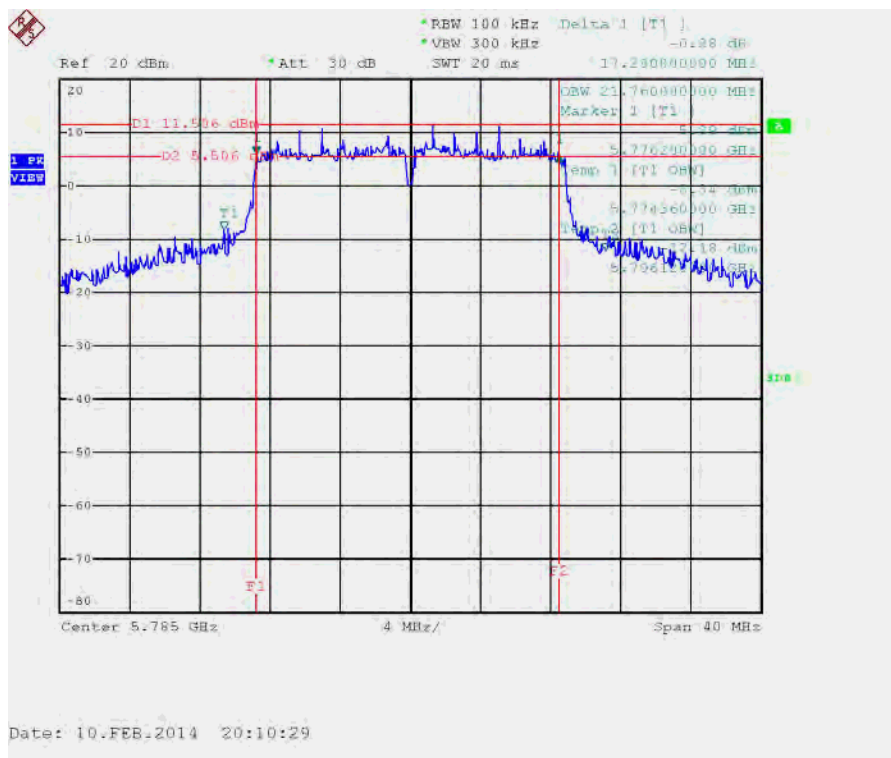
| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 149 | 5745 MHz | 17.60 | 17.60 | 17.60 | 19.84 | 17.84 | 18.56 | 500 | Complies |
| 157 | 5785 MHz | 17.60 | 17.60 | 17.60 | 20.40 | 17.92 | 19.04 | 500 | Complies |
| 165 | 5825 MHz | 17.60 | 17.60 | 17.68 | 20.56 | 17.92 | 18.80 | 500 | Complies |

For <Nss1MCS0, Ant. 1>

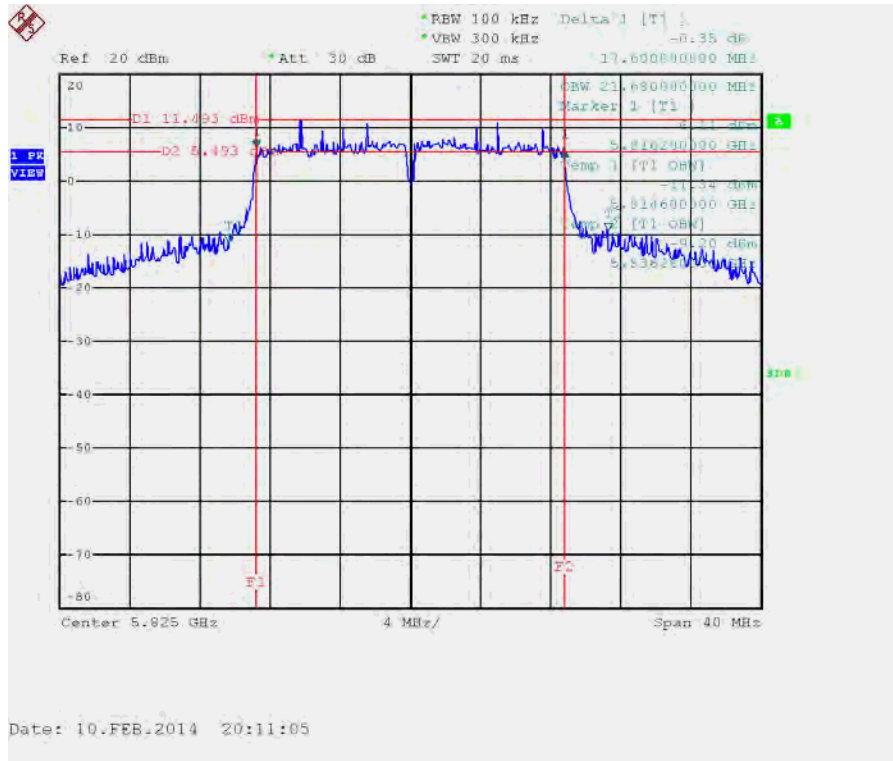
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 1



6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 1

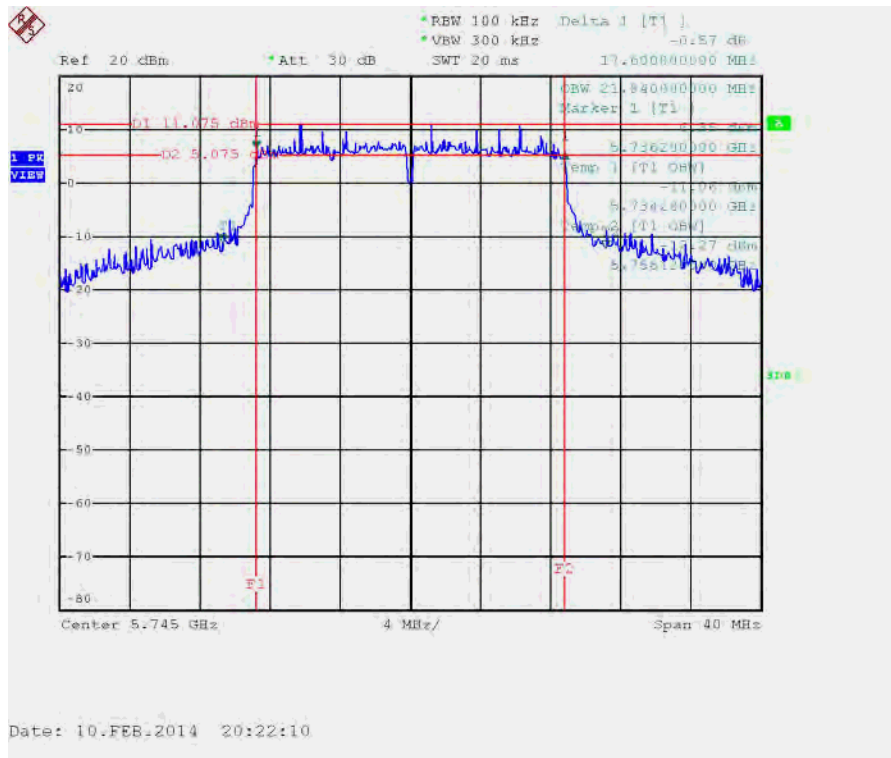


6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 1

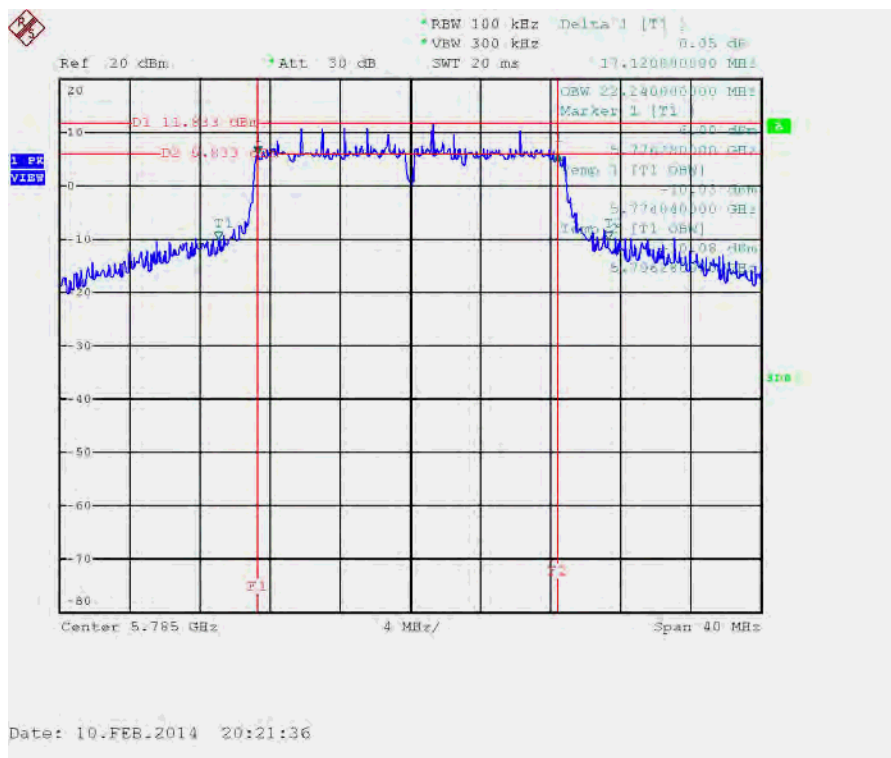


For <Nss1MCS0, Ant. 1+2+3>

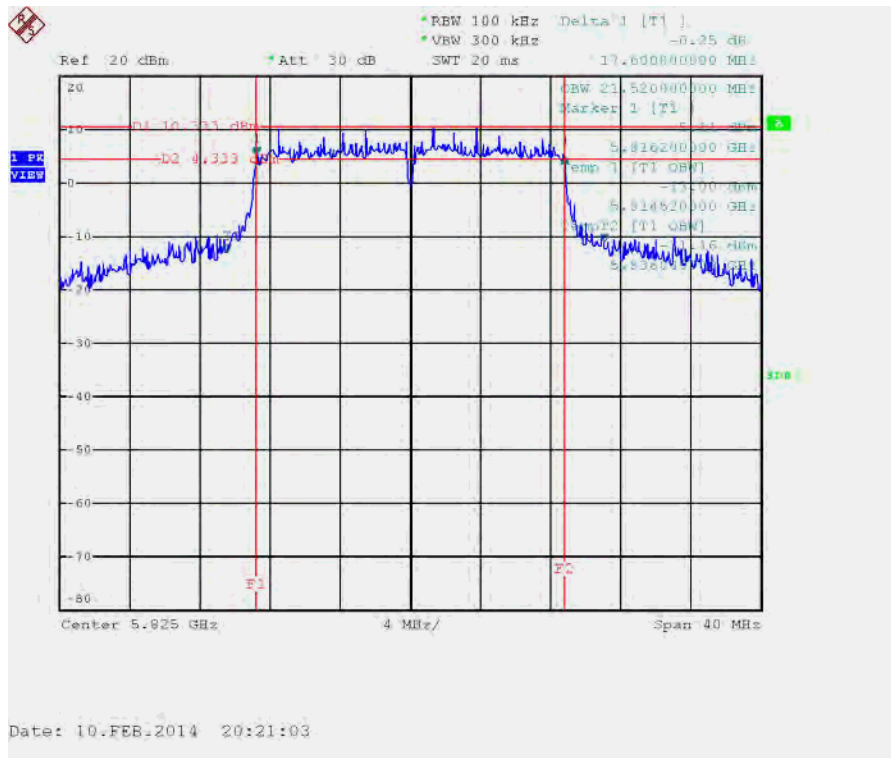
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 1



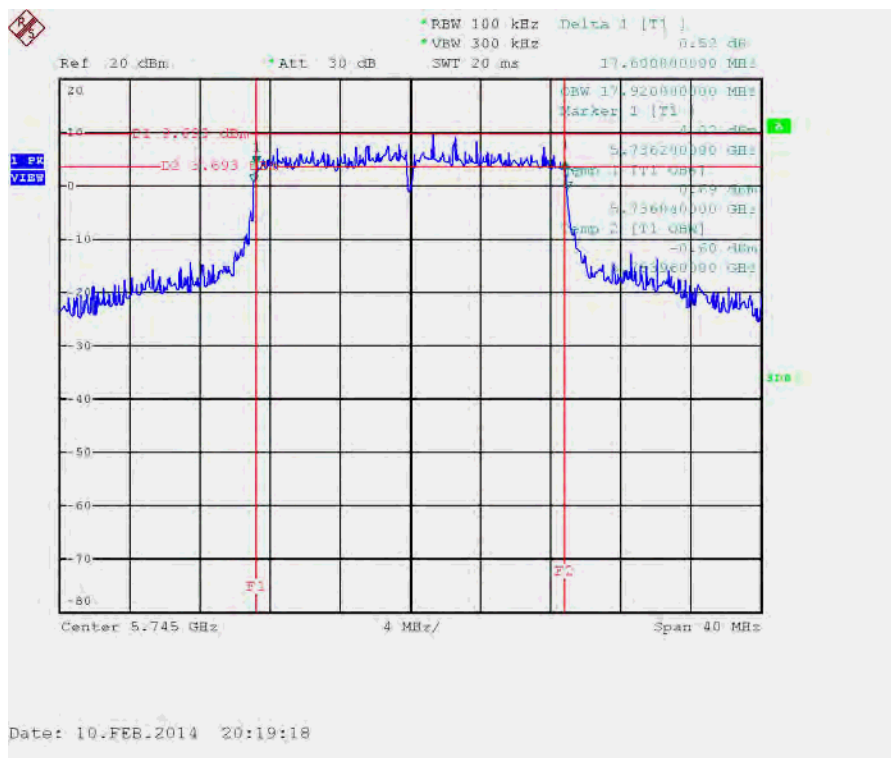
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 1



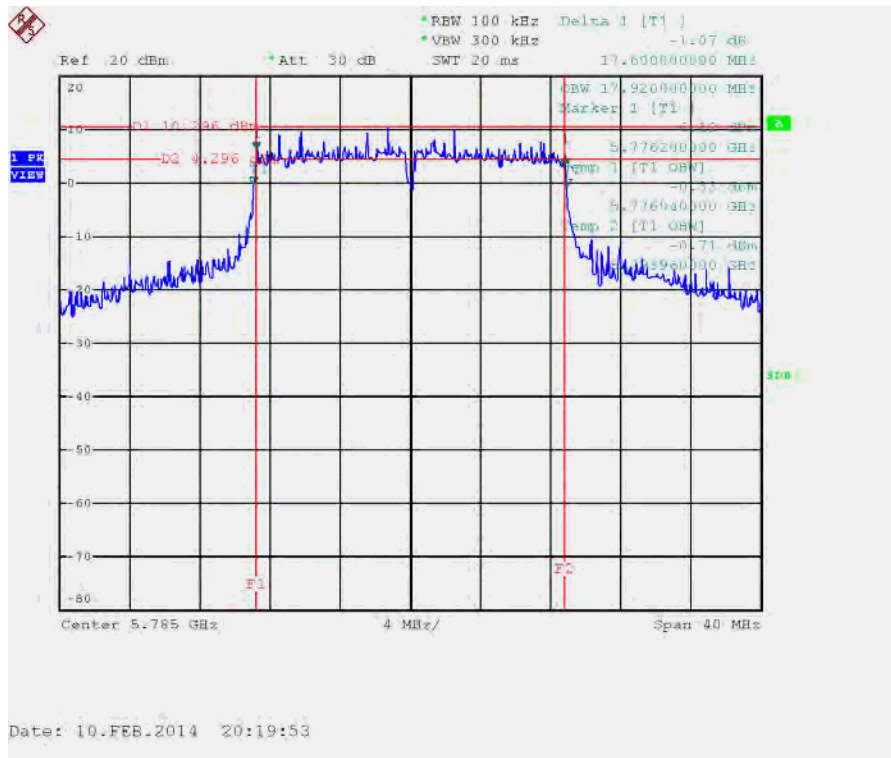
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 1



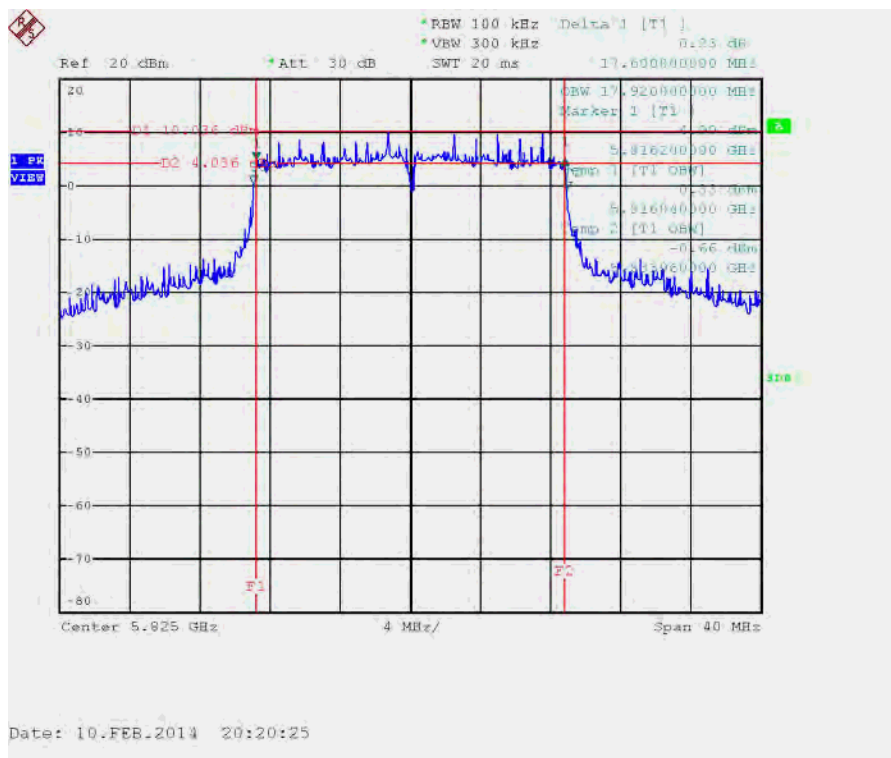
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 2



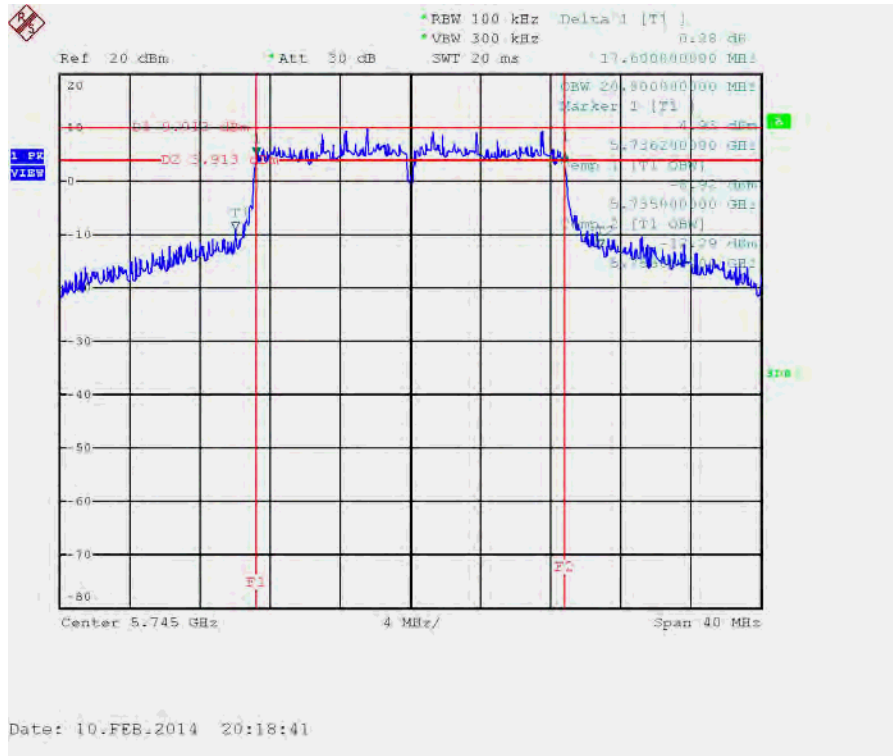
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 2



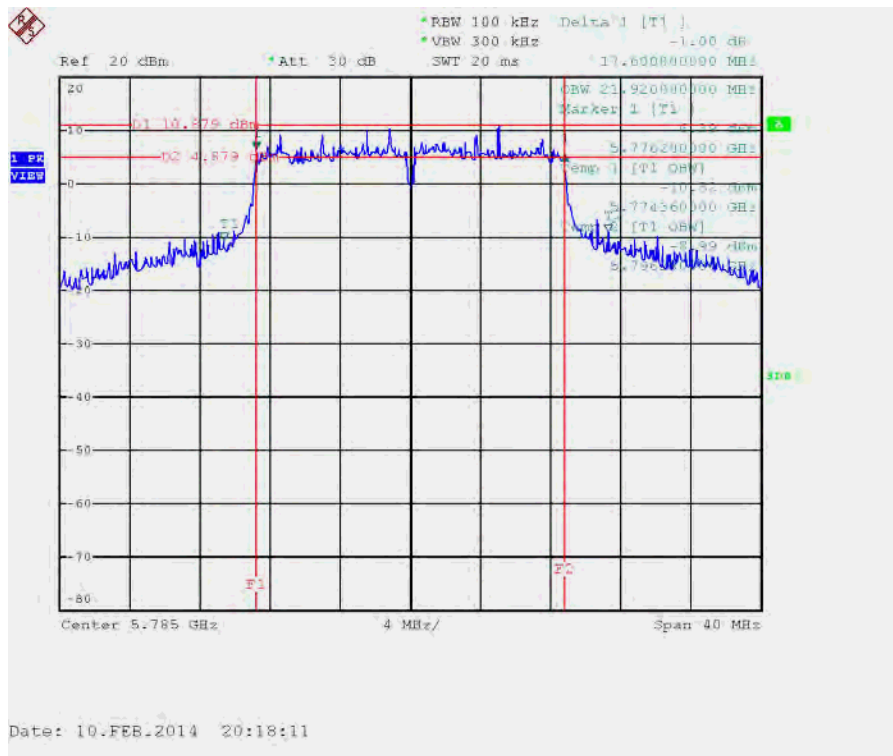
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 2



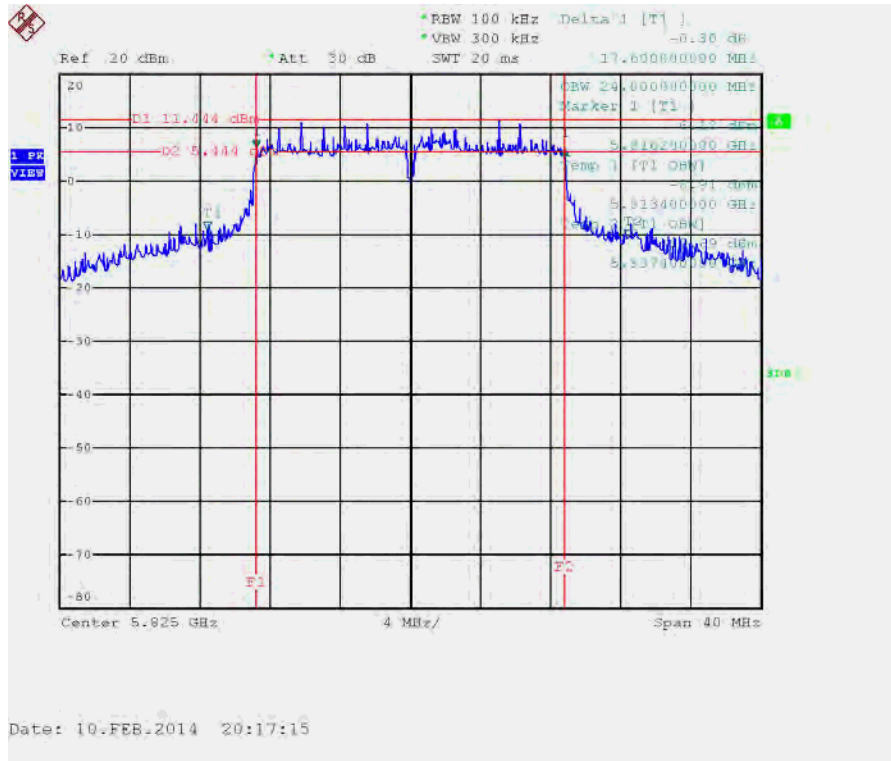
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 3



6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 3

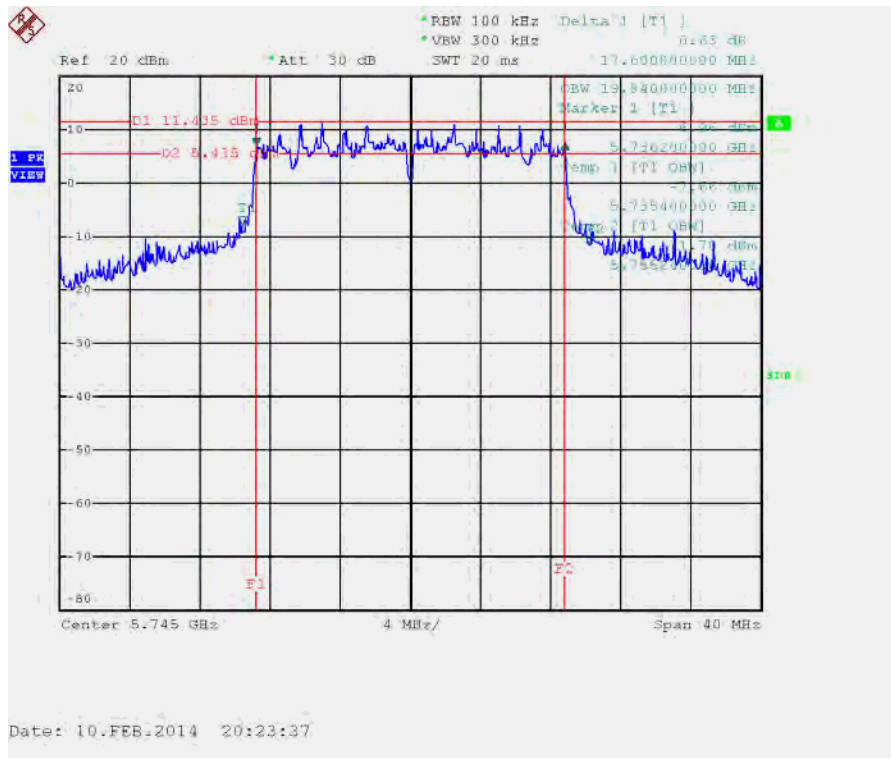


6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 3

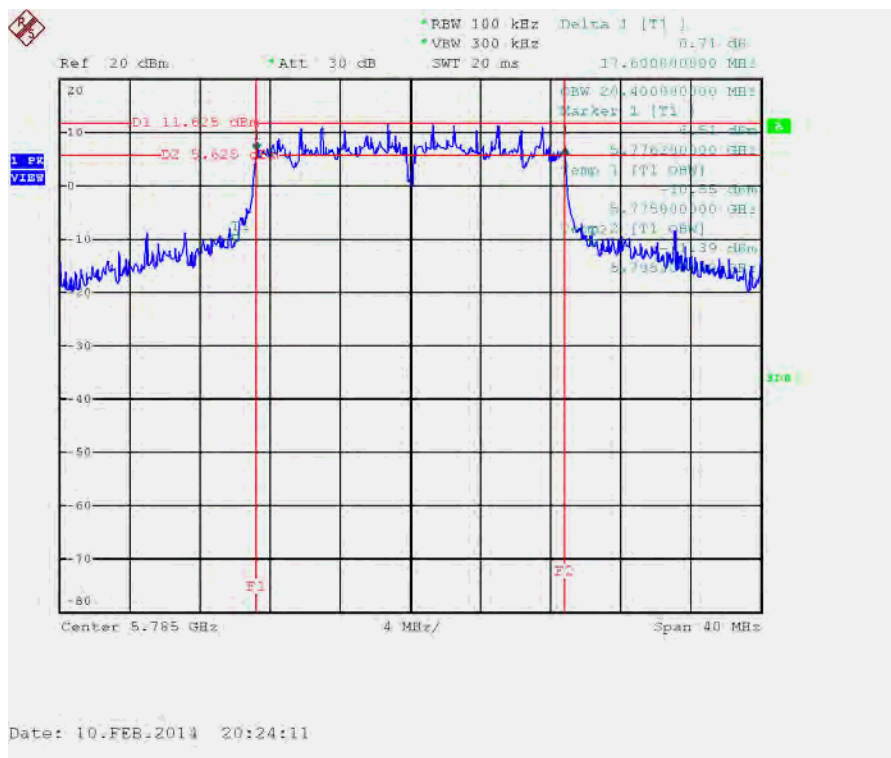


<Nss2MCS0, Ant. 1+2+3>

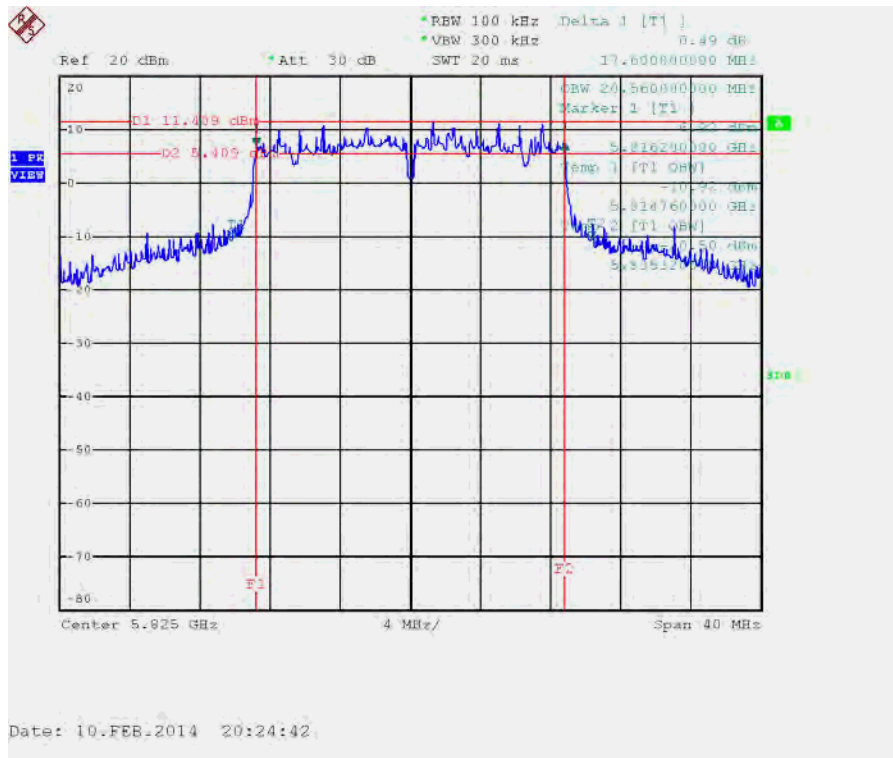
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 1



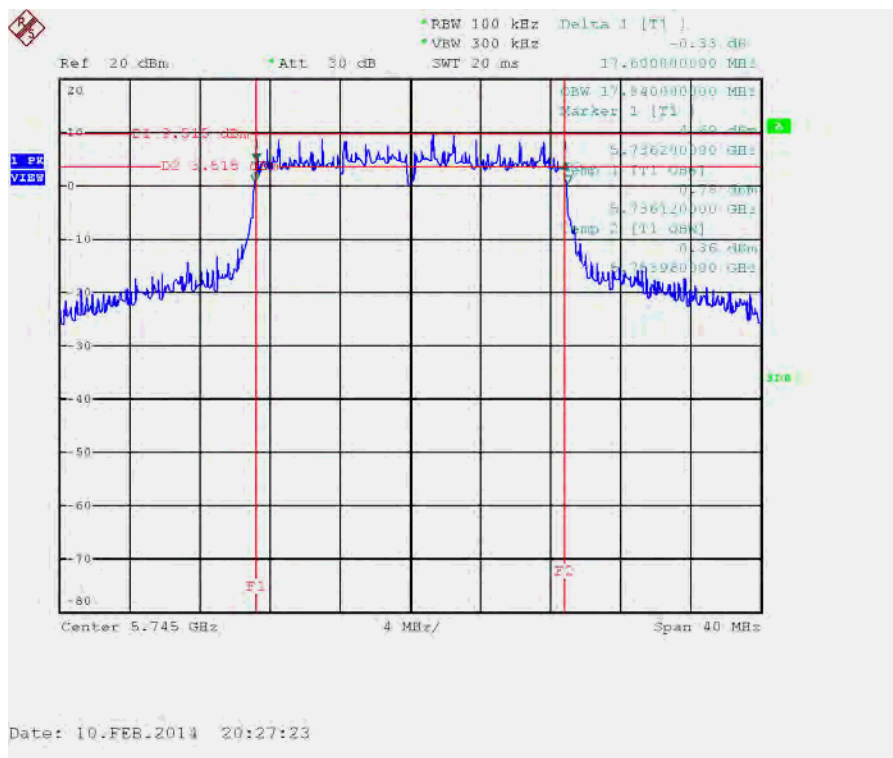
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 157 / Ant. 1



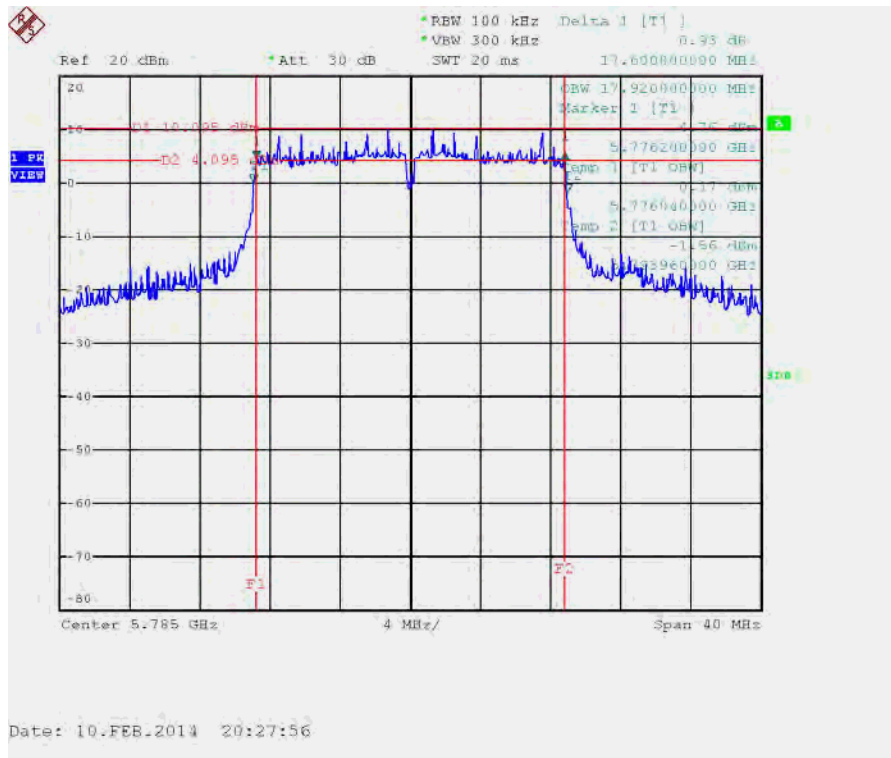
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 1



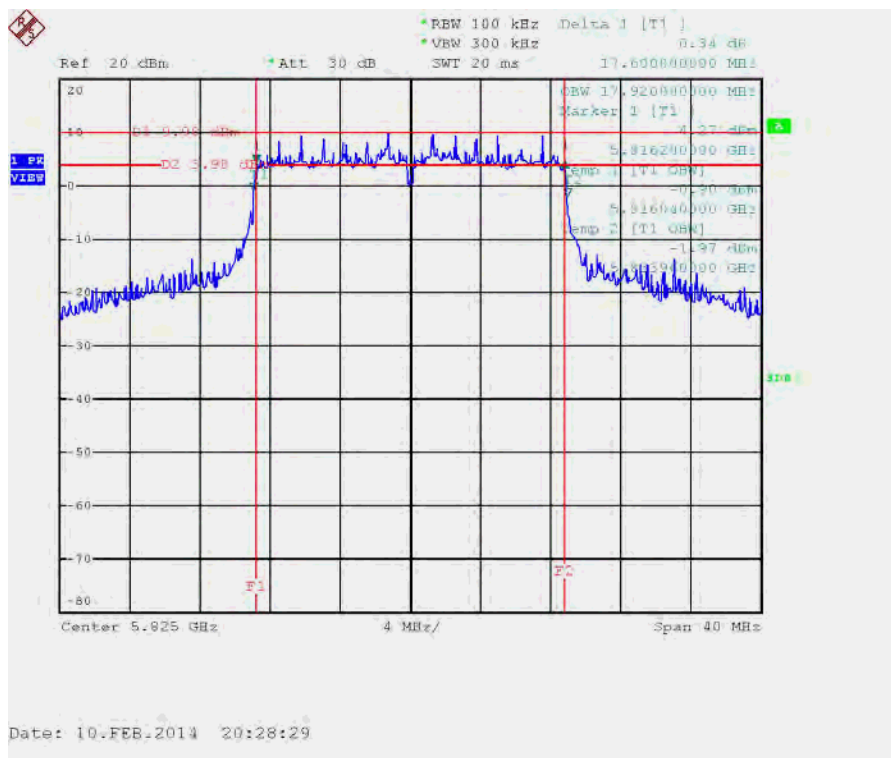
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 2



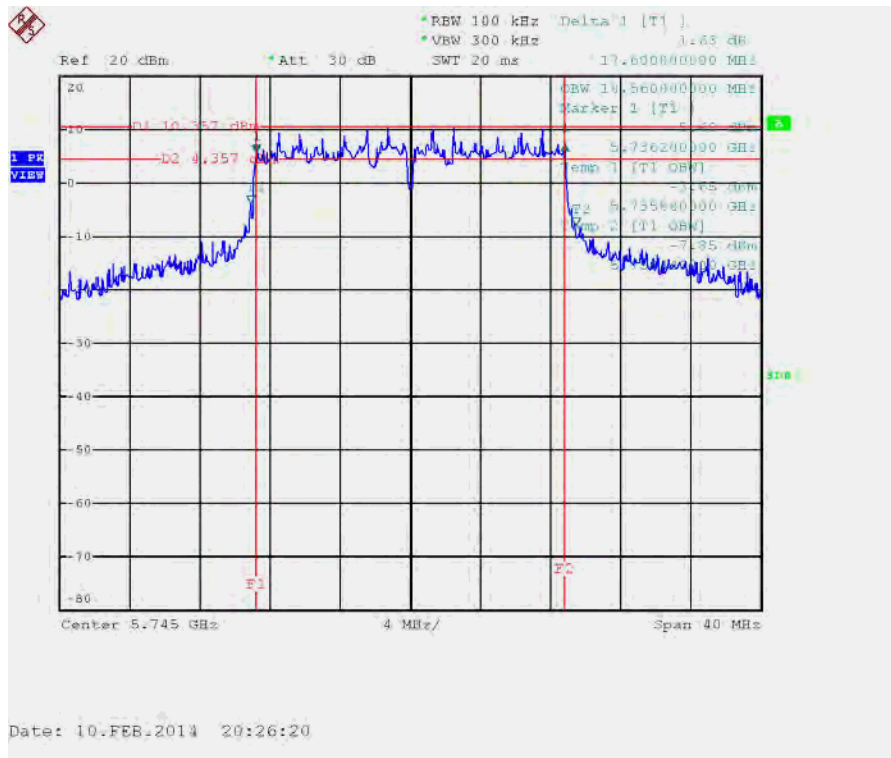
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 157 / Ant. 2



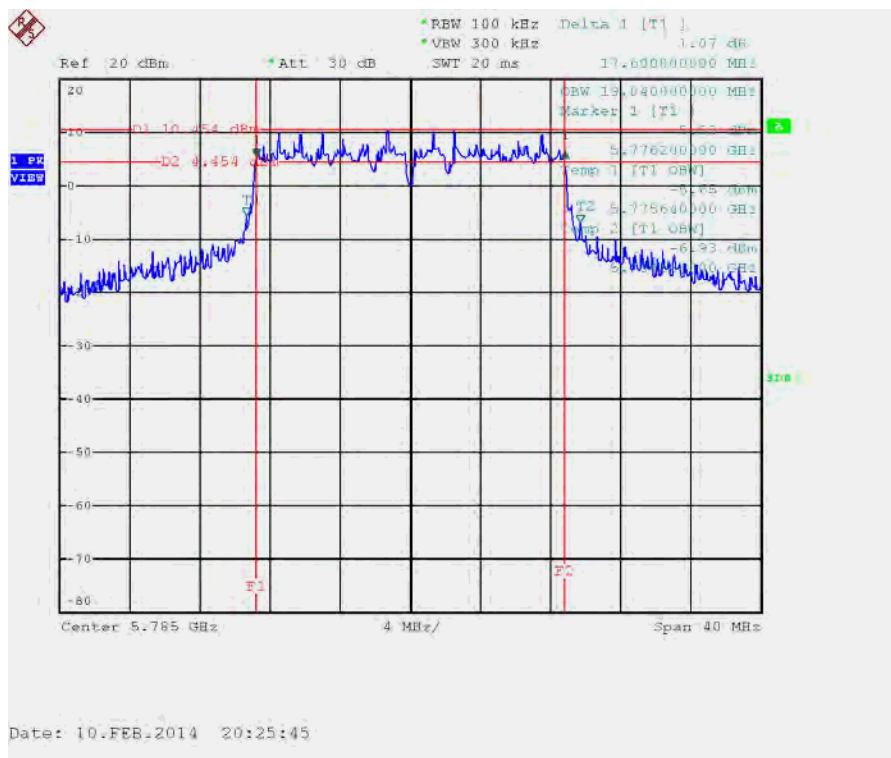
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 2



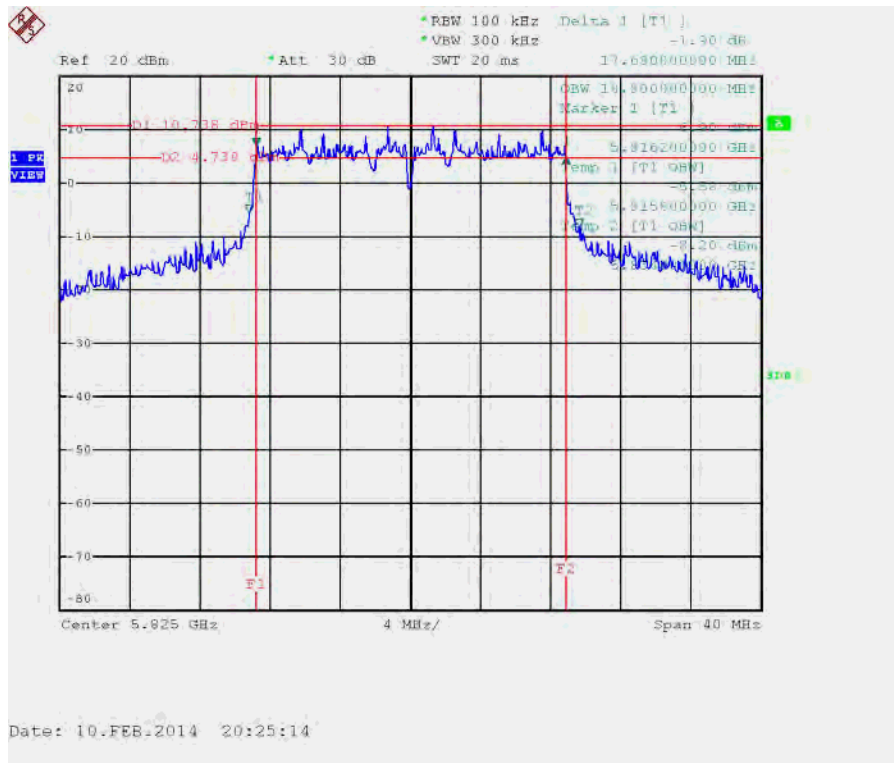
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 3



6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 157 / Ant. 3



6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 3



| | | | |
|----------------------|---------------|----------------------|----------------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Wen Chao | Configuration | 802.11ac 40MHz |

Configuration IEEE 802.11ac 40MHz

<Nss1MCS0, Ant. 1>

| Channel | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|------------------------------|------------------|-------------|
| 151 | 5755 MHz | 36.32 | 36.48 | 500 | Complies |
| 159 | 5795 MHz | 35.84 | 36.80 | 500 | Complies |

<Nss1MCS0, Ant. 1+2+3>

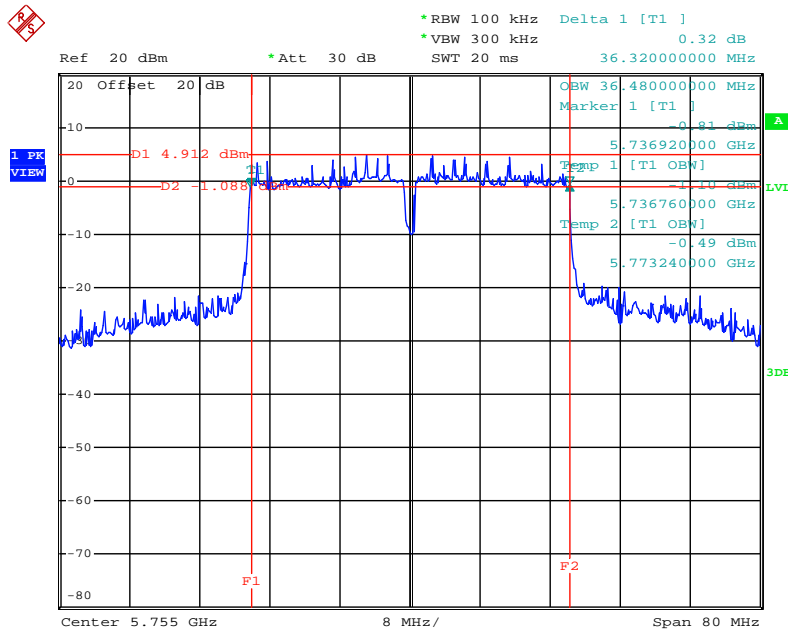
| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 151 | 5755 MHz | 36.48 | 36.32 | 36.48 | 36.48 | 36.48 | 36.64 | 500 | Complies |
| 159 | 5795 MHz | 36.32 | 36.32 | 36.48 | 36.80 | 36.32 | 37.44 | 500 | Complies |

<Nss2MCS0, Ant. 1+2+3>

| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 151 | 5755 MHz | 36.16 | 36.32 | 36.16 | 36.48 | 36.48 | 36.32 | 500 | Complies |
| 159 | 5795 MHz | 36.16 | 36.32 | 36.32 | 36.64 | 36.48 | 36.64 | 500 | Complies |

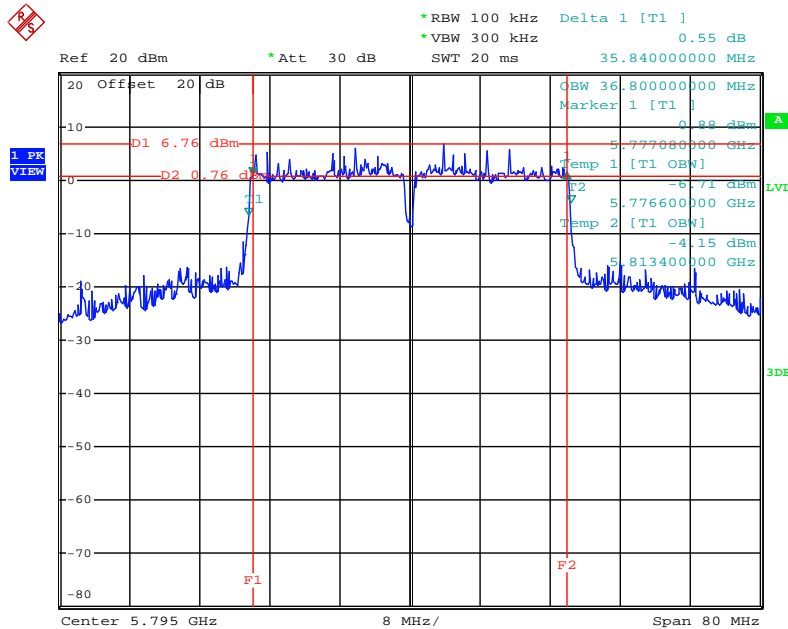
For <Nss1MCS0, Ant. 1>

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 1



Date: 14.FEB.2014 06:38:12

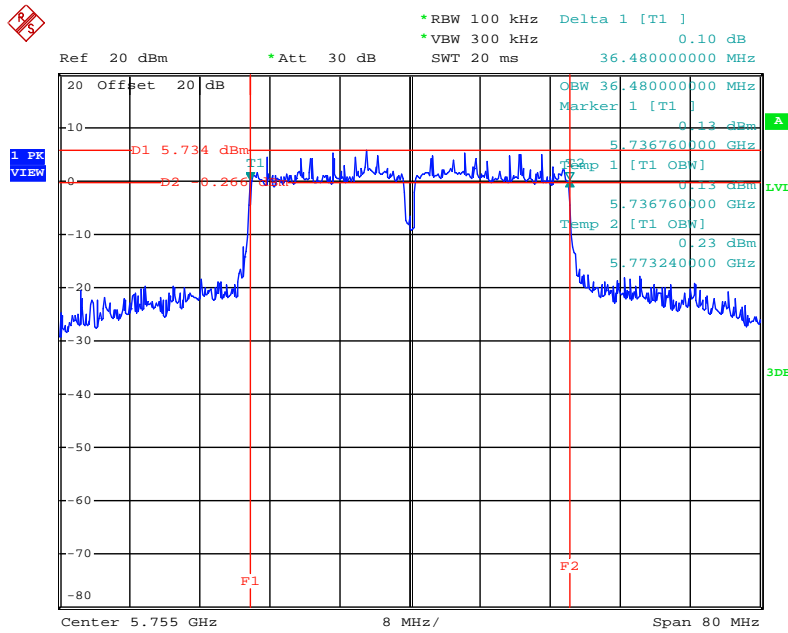
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 1



Date: 14.FEB.2014 06:39:17

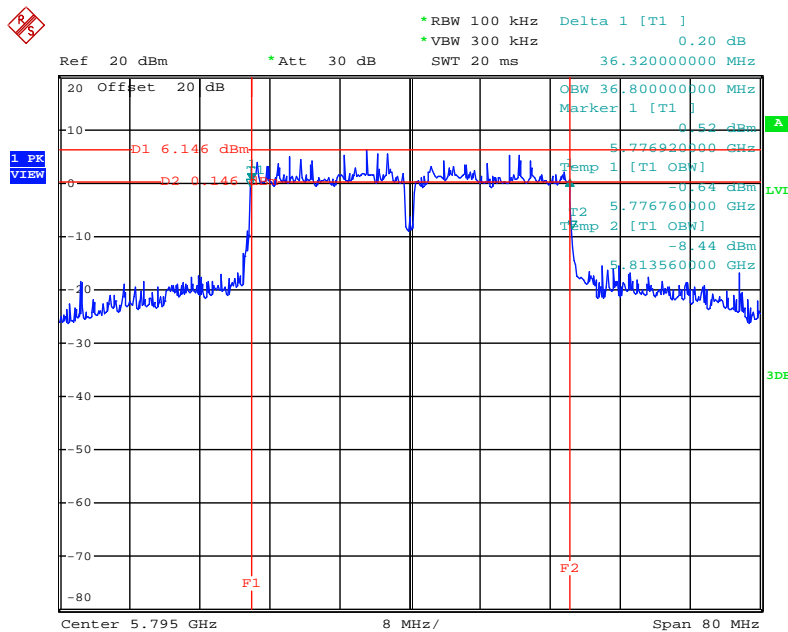
For <Nss1MCS0, Ant. 1+2+3>

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 1



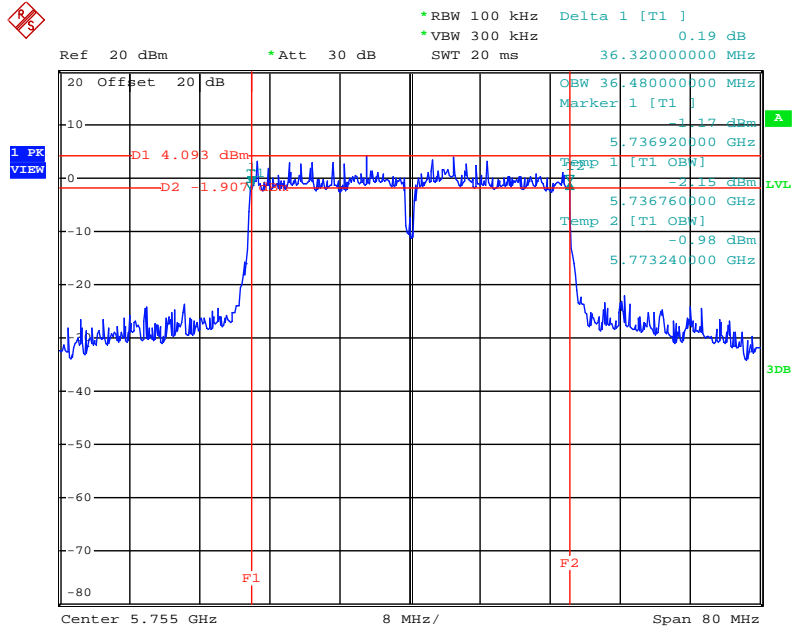
Date: 14.FEB.2014 06:51:52

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 1



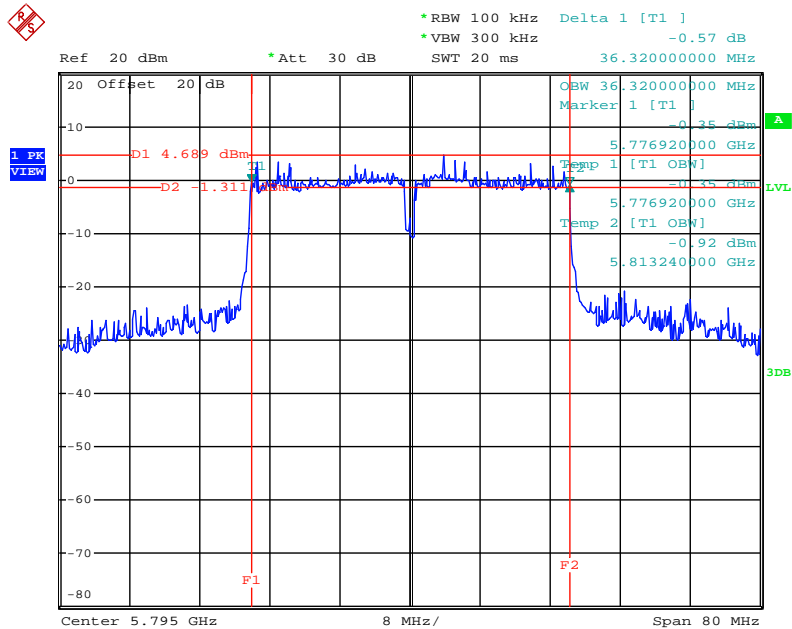
Date: 14.FEB.2014 06:55:42

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 2



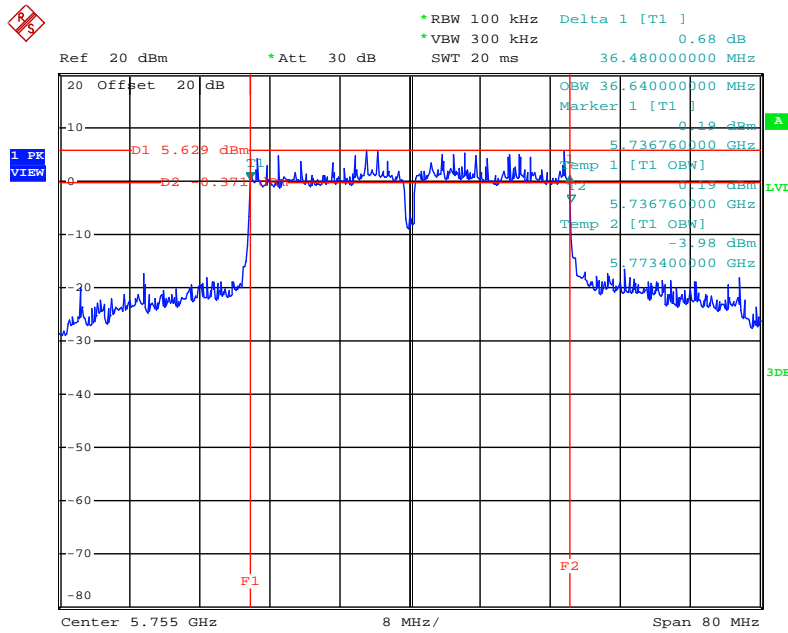
Date: 14.FEB.2014 06:52:25

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 2



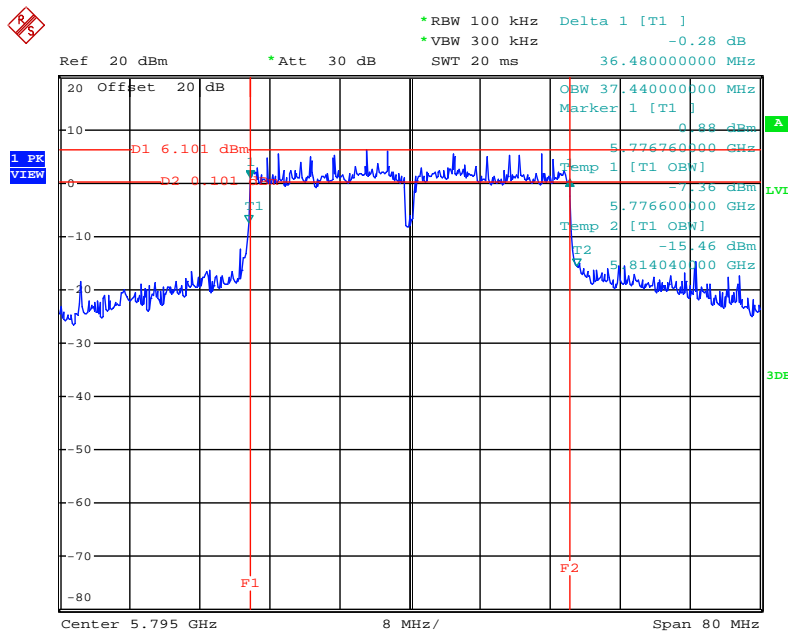
Date: 14.FEB.2014 06:54:51

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 3



Date: 14.FEB.2014 06:53:16

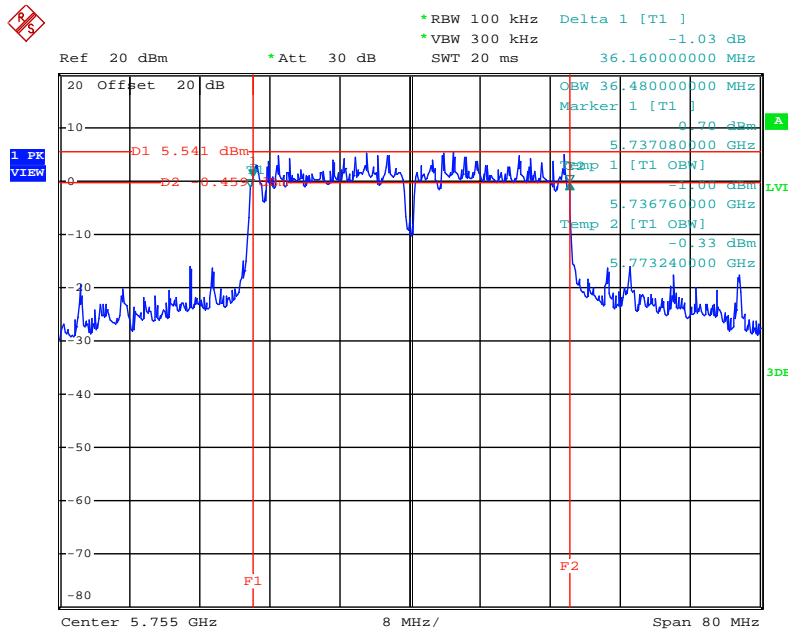
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 3



Date: 14.FEB.2014 06:54:14

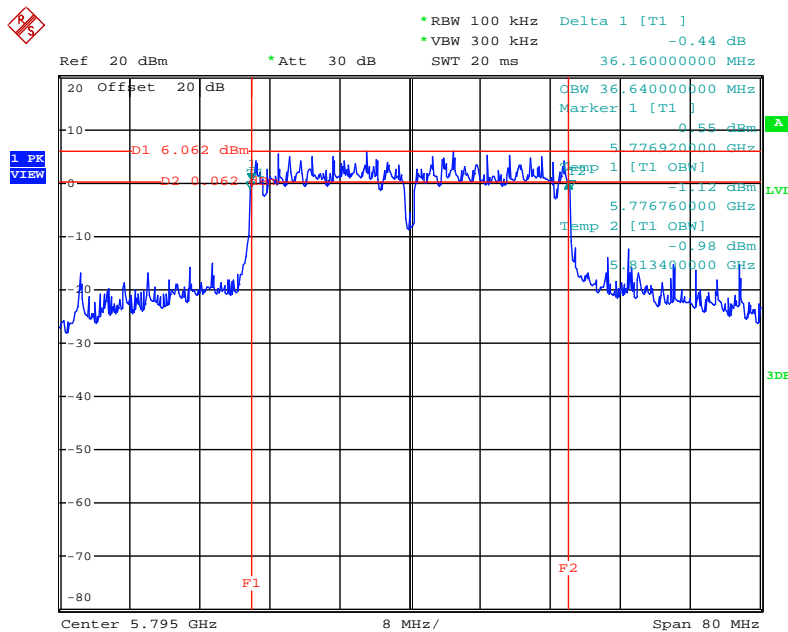
For <Nss2MCS0, Ant. 1+2+3>

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 1



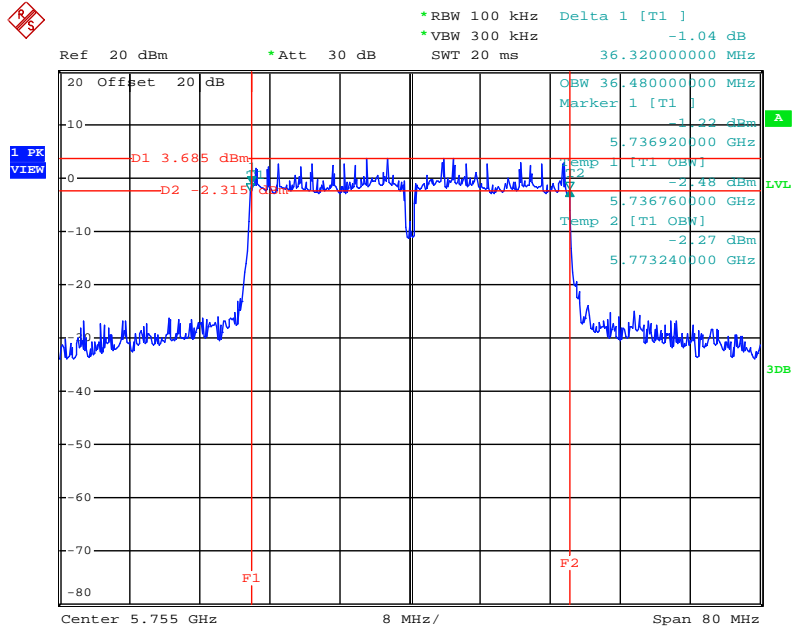
Date: 14.FEB.2014 06:57:21

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 159 / Ant. 1



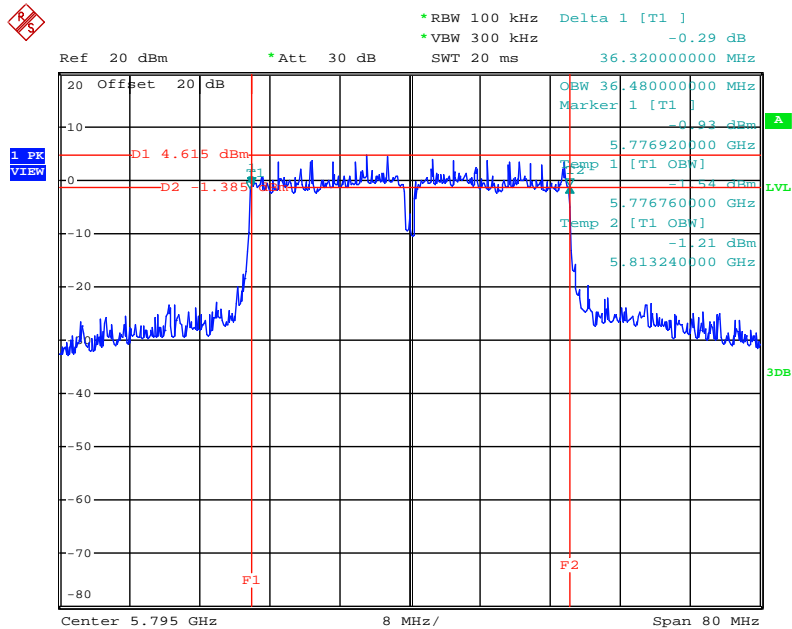
Date: 14.FEB.2014 07:02:05

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 2



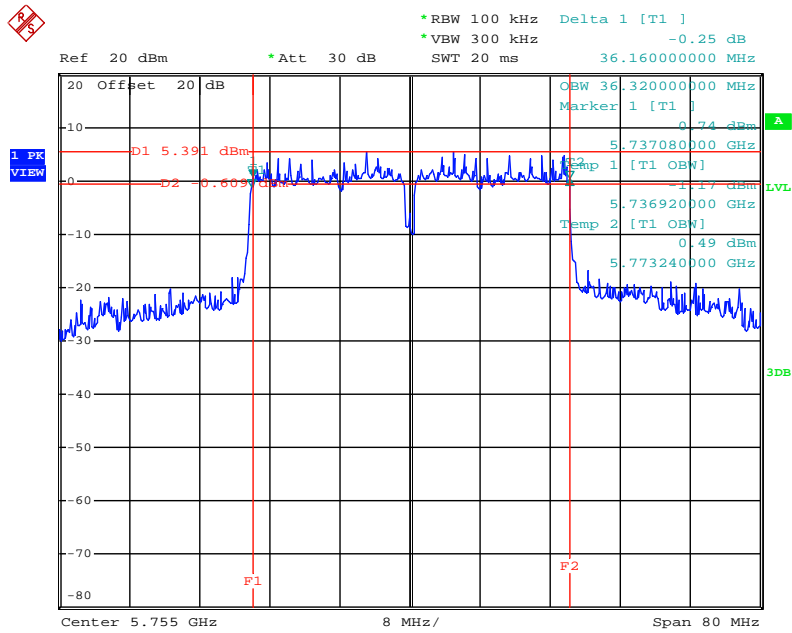
Date: 14.FEB.2014 06:58:10

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 159 / Ant. 2



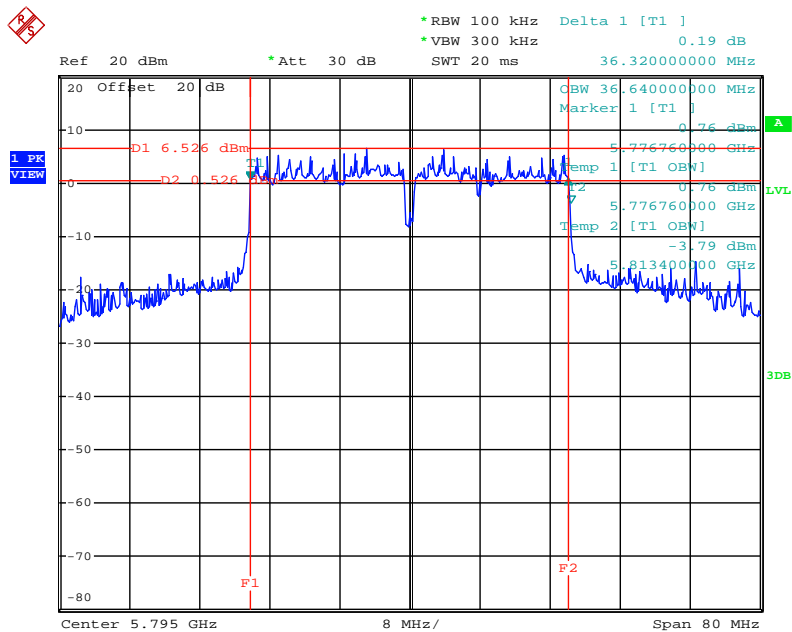
Date: 14.FEB.2014 07:01:25

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 3



Date: 14.FEB.2014 06:58:59

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 159 / Ant. 3



Date: 14.FEB.2014 07:00:34

| | | | |
|----------------------|---------------|----------------------|----------------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Wen Chao | Configuration | 802.11ac 80MHz |

Configuration IEEE 802.11ac 80MHz

<Nss1MCS0, Ant. 3>

| Channel | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|------------------------------|------------------|-------------|
| 155 | 5775 MHz | 75.52 | 75.84 | 500 | Complies |

<Nss1MCS0, Ant. 1+2+3>

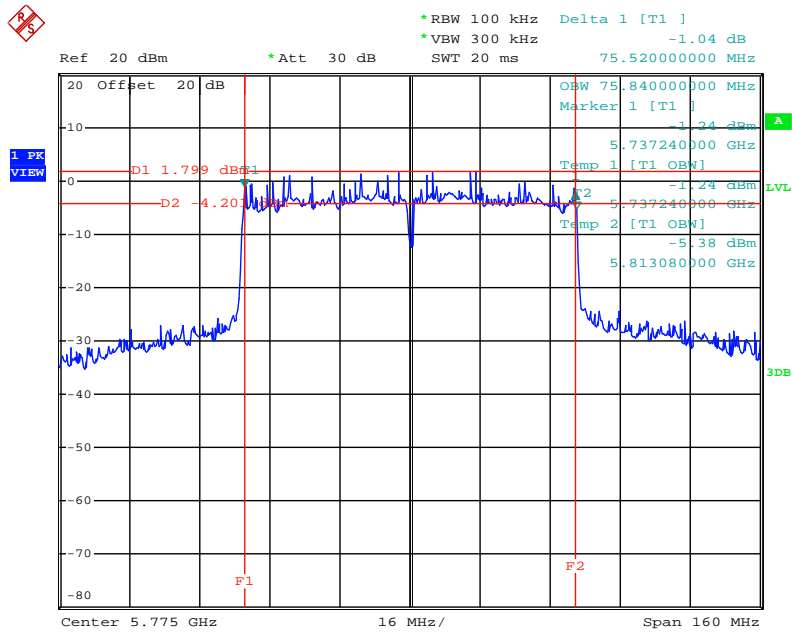
| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 155 | 5775 MHz | 75.52 | 75.20 | 75.52 | 76.16 | 75.84 | 75.84 | 500 | Complies |

<Nss2MCS0, Ant. 1+2+3>

| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 155 | 5775 MHz | 75.84 | 75.84 | 75.52 | 75.84 | 75.84 | 75.84 | 500 | Complies |

For <Nss1MCS0, Ant. 3>

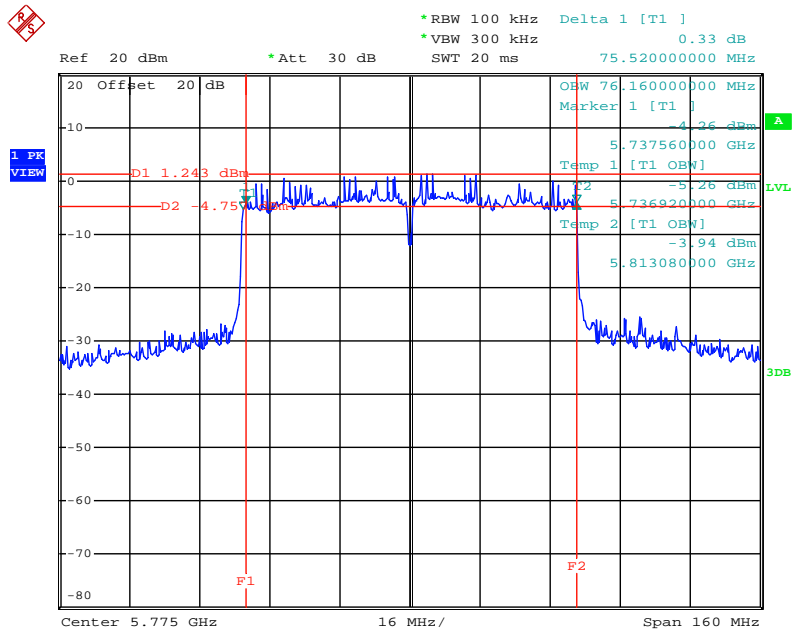
Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 3



Date: 14.FEB.2014 07:08:45

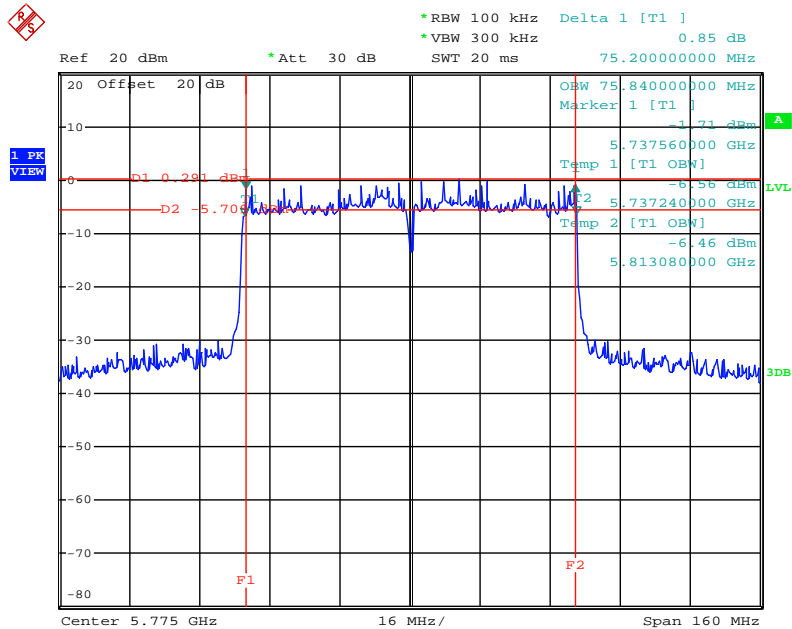
For <Nss1MCS0, Ant. 1+2+3>

Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 1



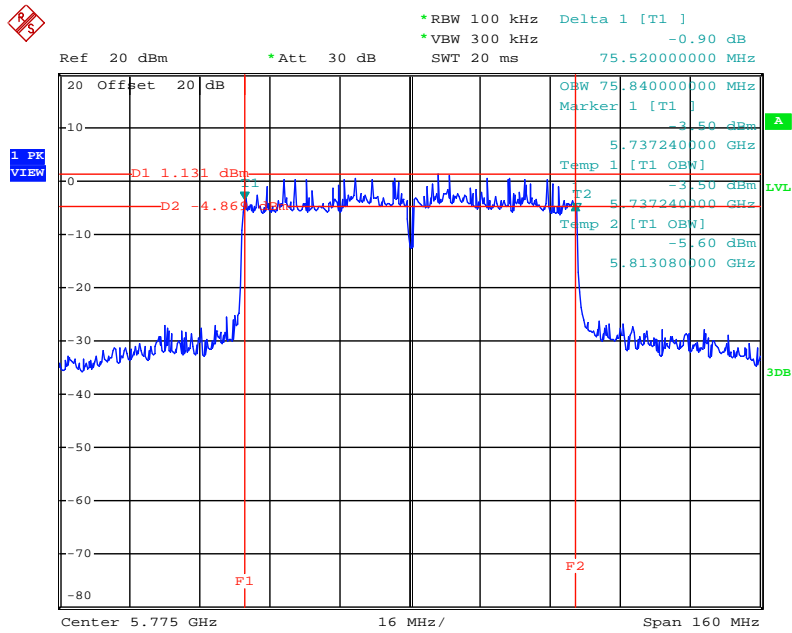
Date: 14.FEB.2014 07:10:36

Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 2



Date: 14.FEB.2014 07:11:06

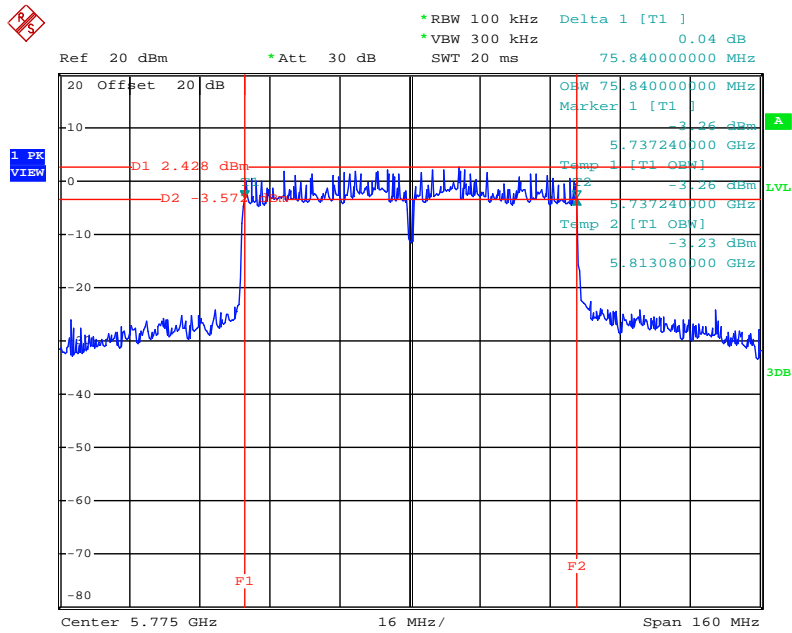
Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 3



Date: 14.FEB.2014 07:12:48

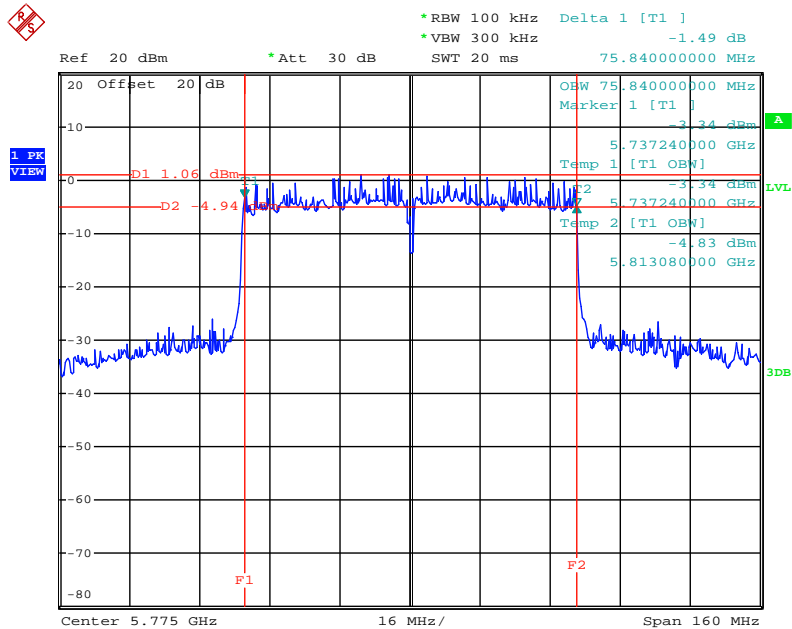
For <Nss2MCS0, Ant. 1+2+3>

Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 1



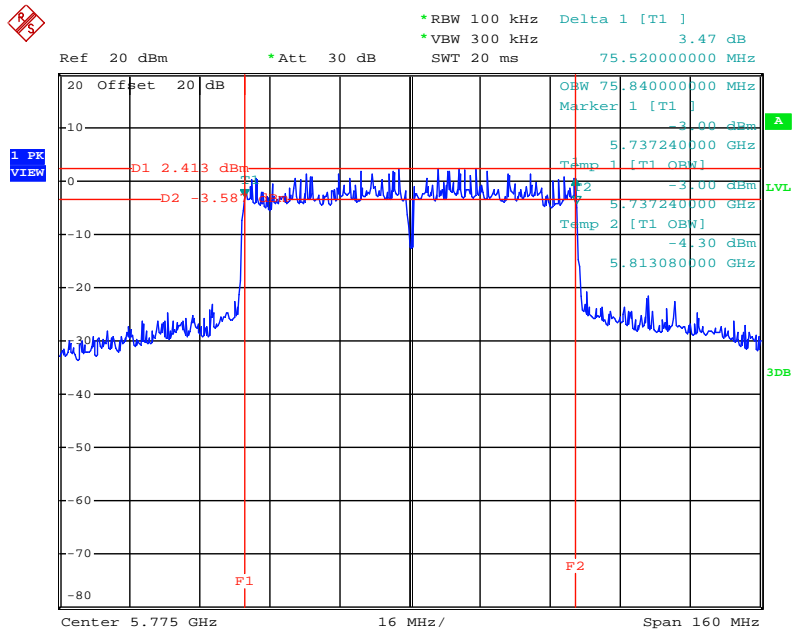
Date: 14.FEB.2014 07:16:19

Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 2



Date: 14.FEB.2014 07:15:25

Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 3



Date: 14.FEB.2014 07:14:38

For Beamforming

| | | | |
|----------------------|---------------|----------------------|----------------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Magic Lai | Configuration | 802.11ac 20MHz |

Configuration IEEE 802.11ac 20MHz

<Nss1MCS0, Ant. 1+2+3, CDD>

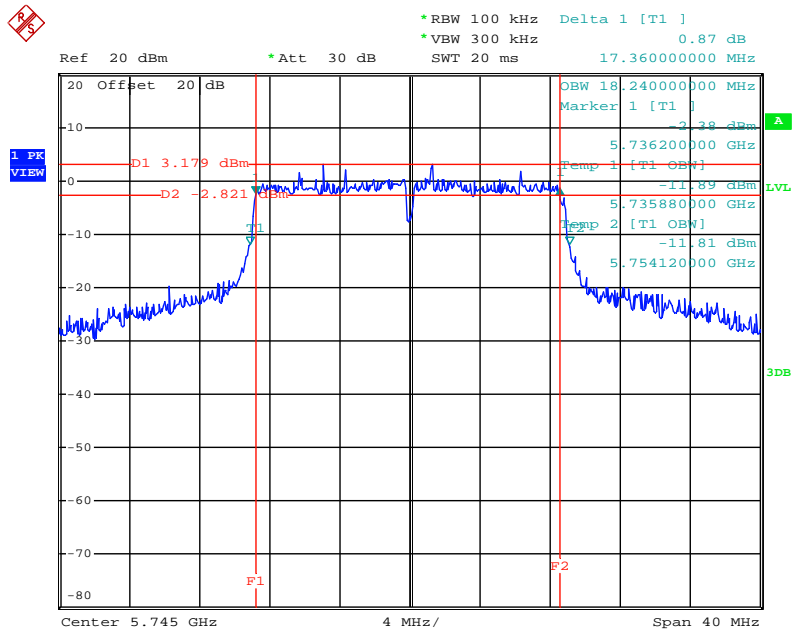
| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 149 | 5745 MHz | 17.36 | 17.52 | 17.60 | 18.24 | 17.92 | 20.40 | 500 | Complies |
| 157 | 5785 MHz | 17.36 | 17.60 | 17.52 | 18.64 | 17.92 | 19.36 | 500 | Complies |
| 165 | 5825 MHz | 17.60 | 17.60 | 17.60 | 24.56 | 18.00 | 24.08 | 500 | Complies |

<Nss2MCS0, Ant. 1+2+3, CDD>

| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 149 | 5745 MHz | 17.60 | 17.68 | 17.68 | 18.72 | 17.84 | 18.88 | 500 | Complies |
| 157 | 5785 MHz | 17.60 | 17.76 | 17.68 | 19.28 | 17.76 | 18.40 | 500 | Complies |
| 165 | 5825 MHz | 17.60 | 17.60 | 17.76 | 21.68 | 17.84 | 19.44 | 500 | Complies |

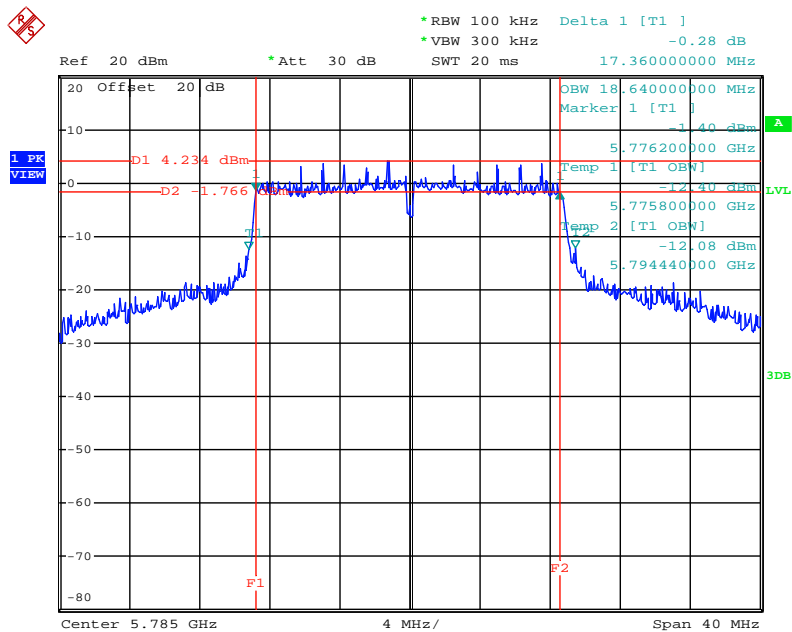
For <Nss1MCS0, Ant. 1+2+3, CDD>

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 1



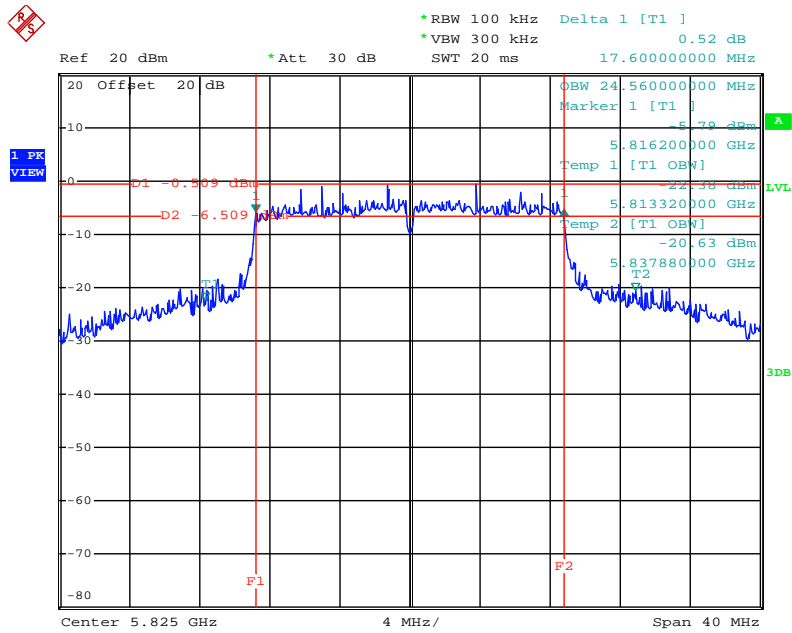
Date: 17.FEB.2014 14:42:00

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 1



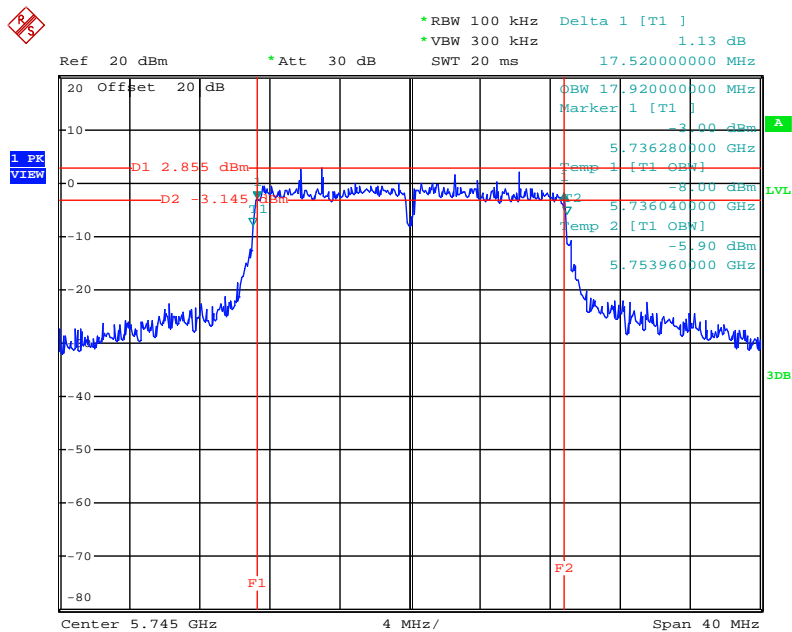
Date: 17.FEB.2014 14:44:23

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 1



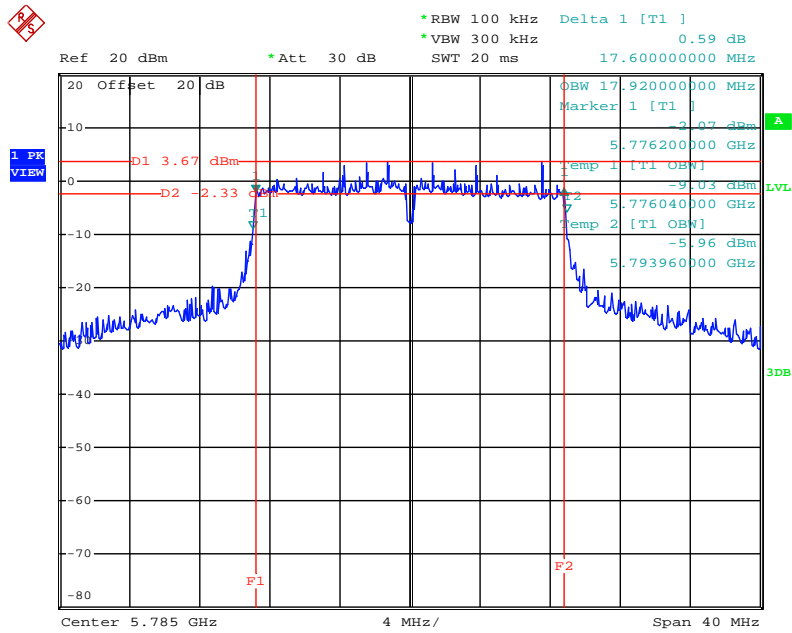
Date: 17.FEB.2014 15:25:12

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 2



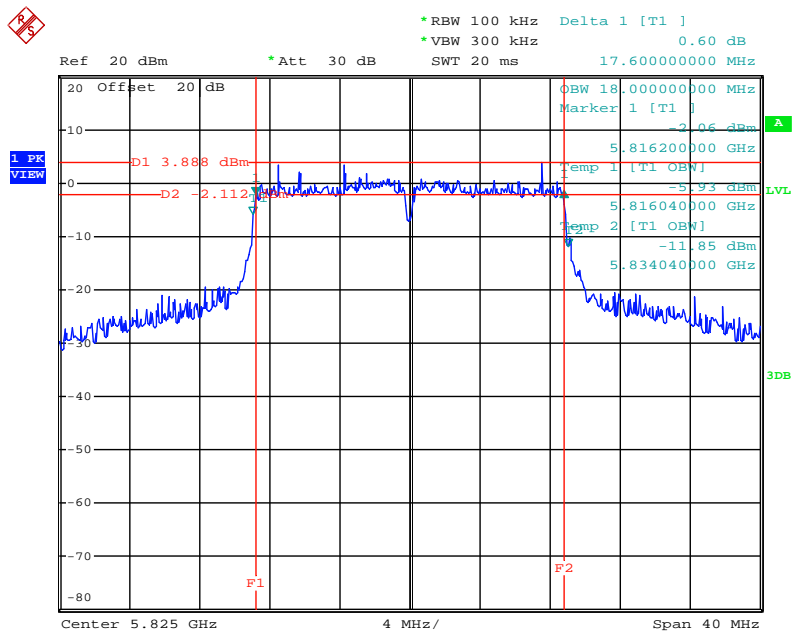
Date: 17.FEB.2014 14:42:43

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 2



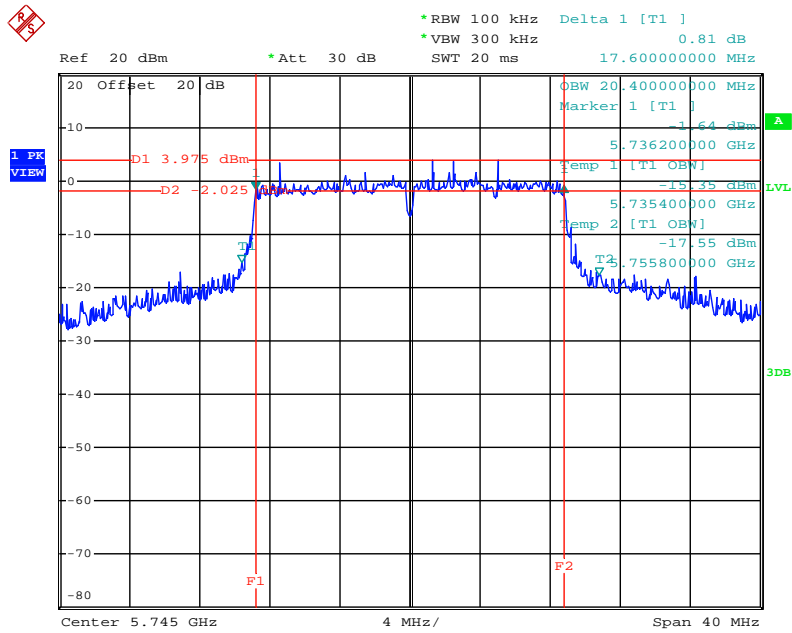
Date: 17.FEB.2014 14:45:12

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 2



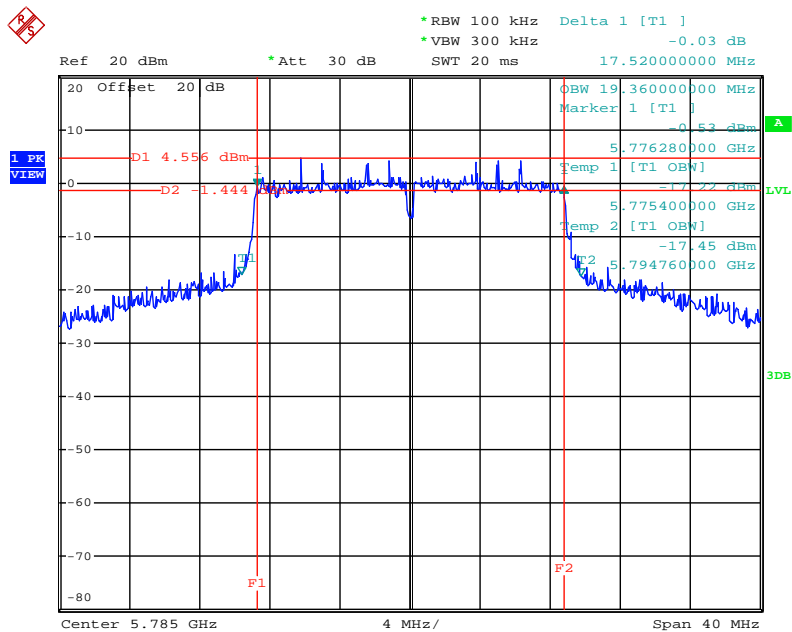
Date: 17.FEB.2014 15:24:25

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 3



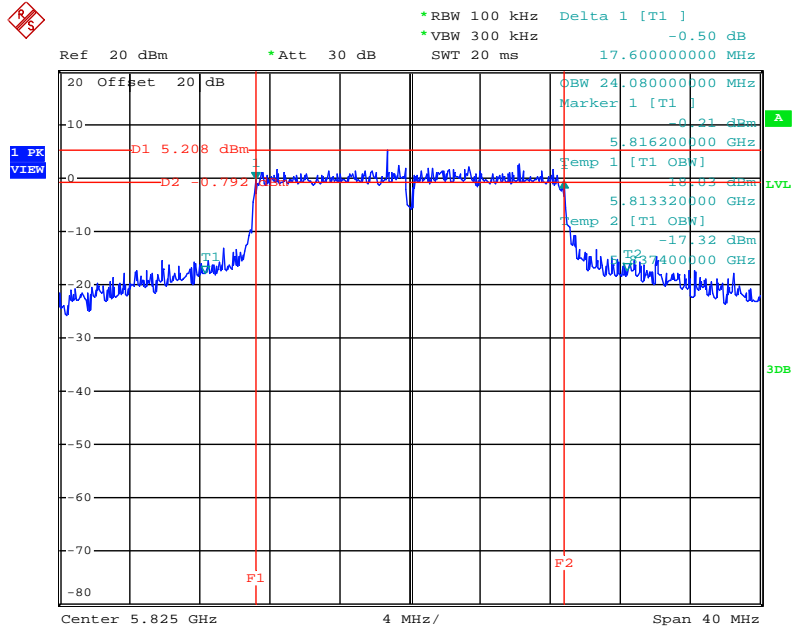
Date: 17.FEB.2014 14:43:19

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 3



Date: 17.FEB.2014 14:49:34

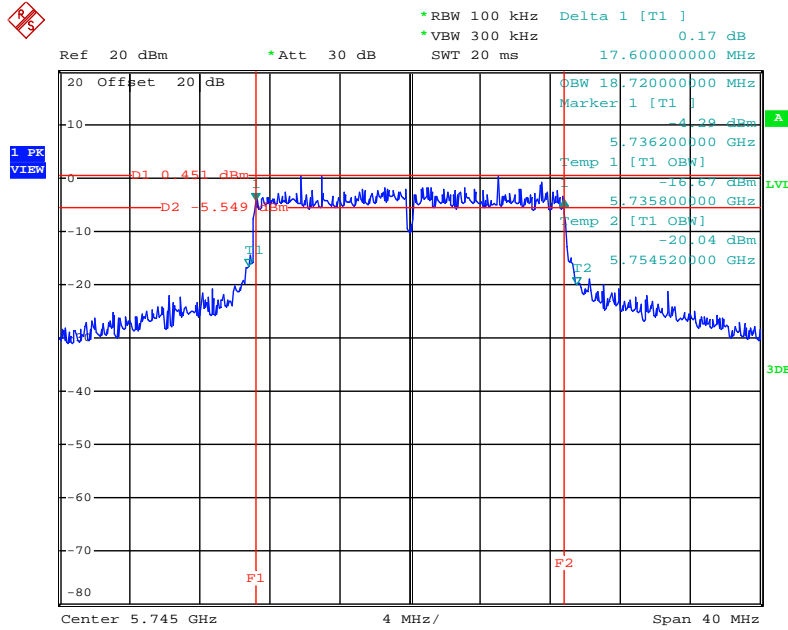
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 3



Date: 17.FEB.2014 15:23:39

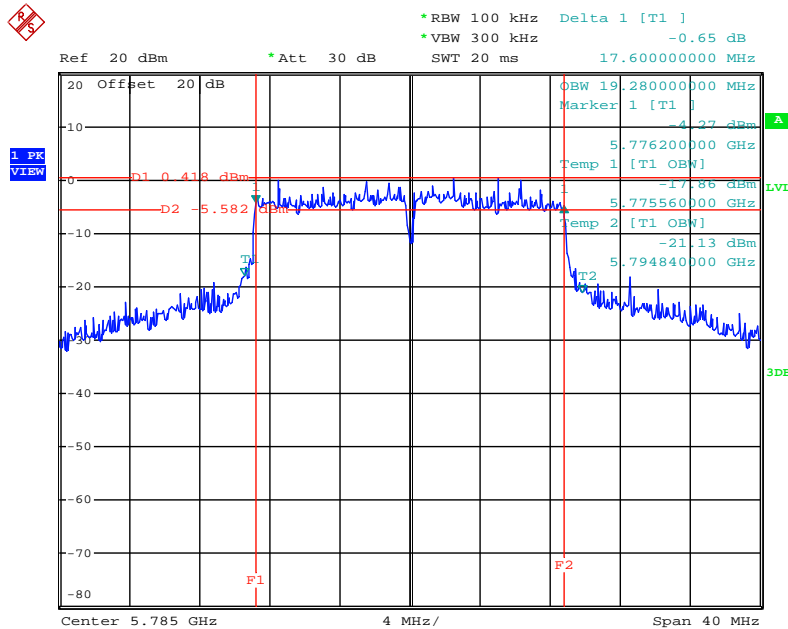
For <Nss2MCS0, Ant. 1+2+3, CDD>

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 1



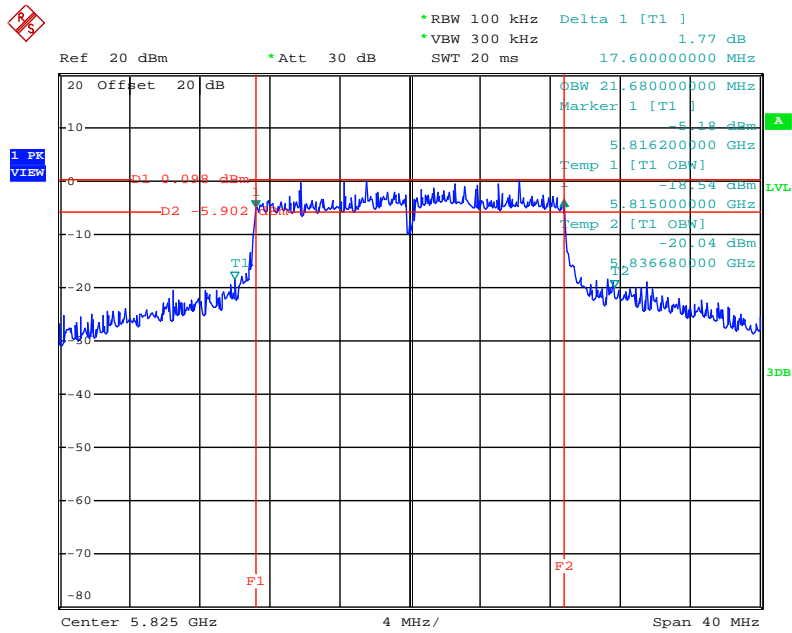
Date: 17.FEB.2014 15:47:11

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 157 / Ant. 1



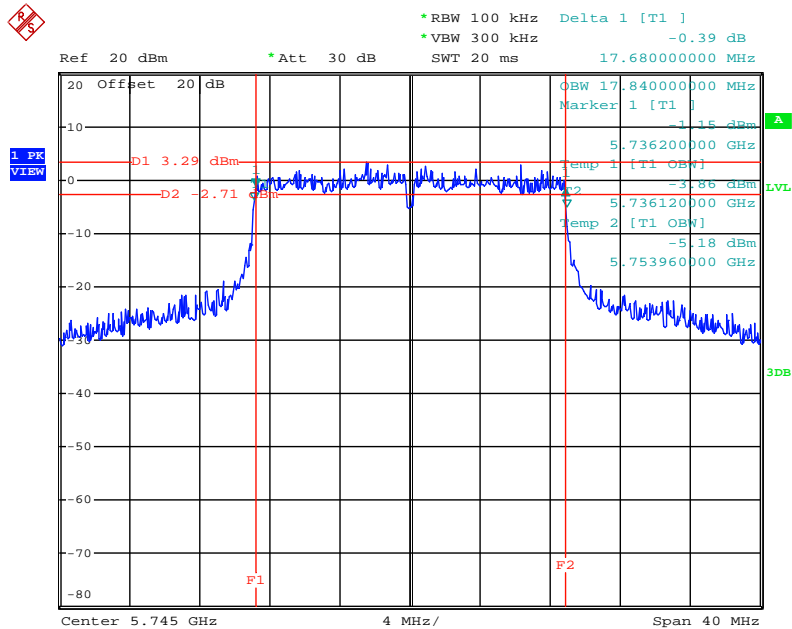
Date: 17.FEB.2014 15:46:21

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 1



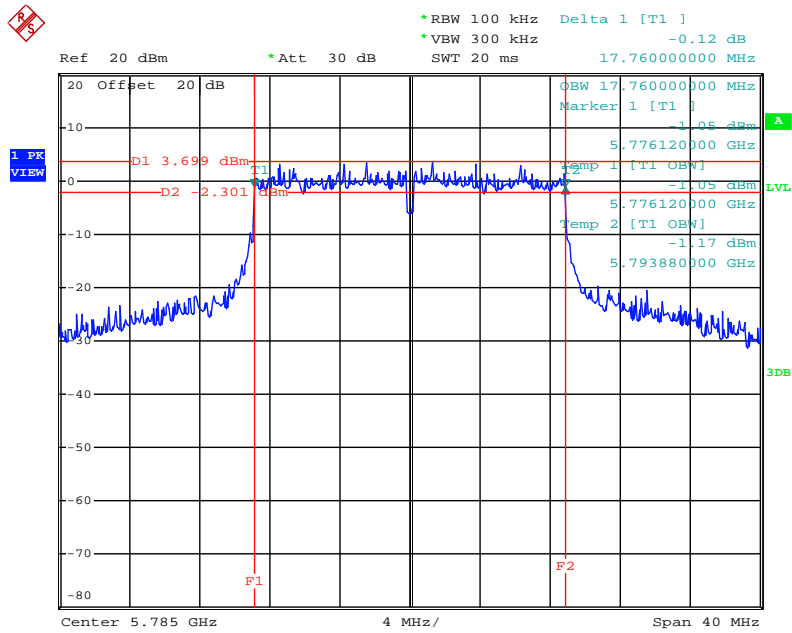
Date: 17.FEB.2014 15:43:51

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 2



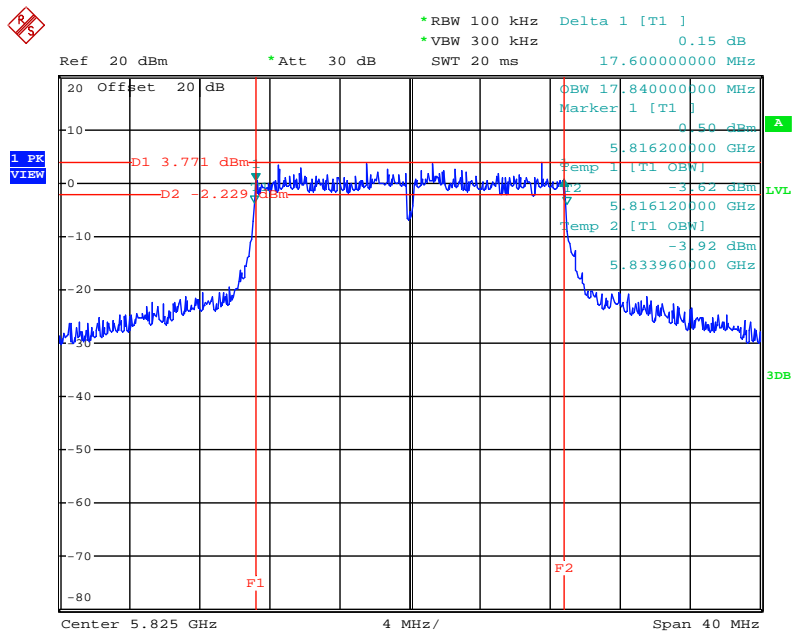
Date: 17.FEB.2014 15:47:31

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 157 / Ant. 2



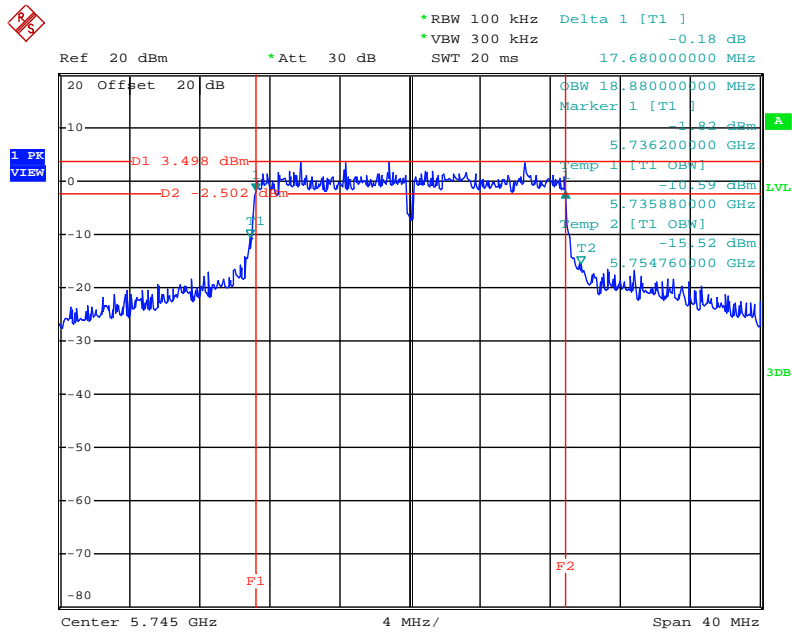
Date: 17.FEB.2014 15:46:00

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 2



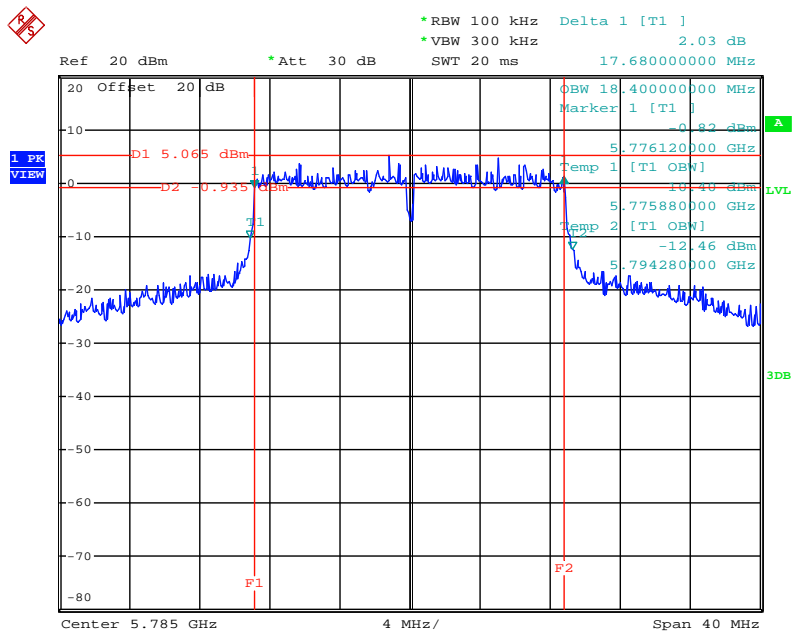
Date: 17.FEB.2014 15:44:19

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 3



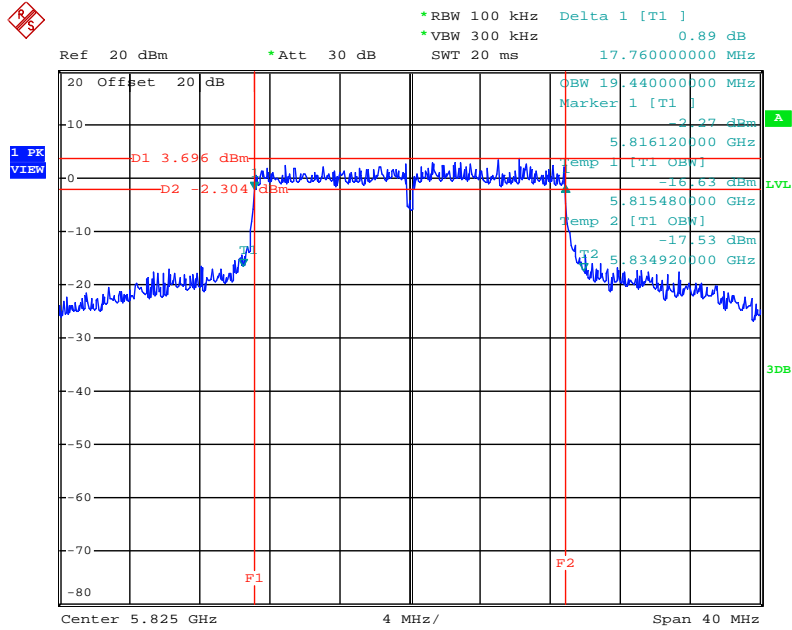
Date: 17.FEB.2014 15:47:48

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 157 / Ant. 3



Date: 17.FEB.2014 15:45:32

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 3



Date: 17.FEB.2014 15:44:41

| | | | |
|----------------------|---------------|----------------------|----------------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Magic Lai | Configuration | 802.11ac 40MHz |

Configuration IEEE 802.11ac 40MHz

<Nss1MCS0, Ant. 1+2+3, CDD>

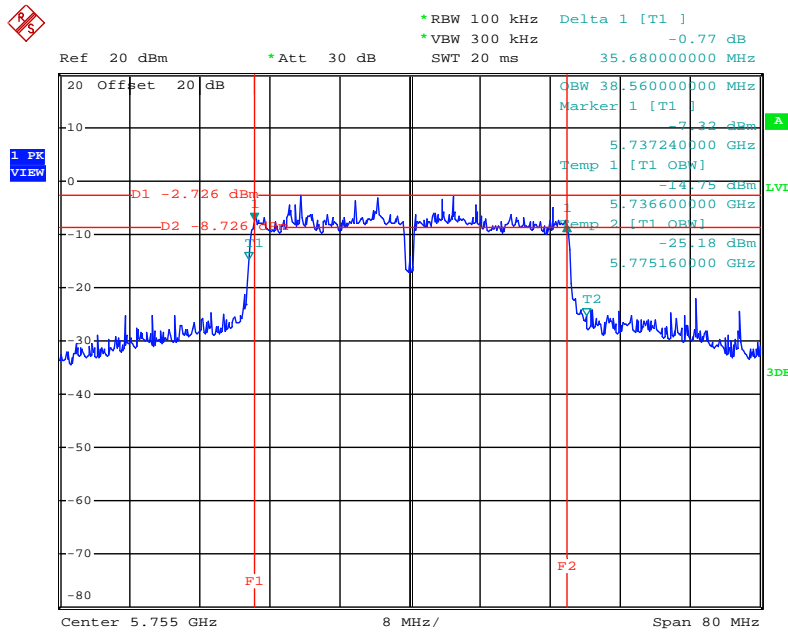
| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 151 | 5755 MHz | 35.68 | 36.32 | 36.32 | 38.56 | 36.48 | 38.24 | 500 | Complies |
| 159 | 5795 MHz | 36.68 | 36.48 | 36.16 | 45.60 | 36.48 | 37.12 | 500 | Complies |

<Nss2MCS0, Ant. 1+2+3, CDD>

| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 151 | 5755 MHz | 36.48 | 36.48 | 36.48 | 40.32 | 36.32 | 36.64 | 500 | Complies |
| 159 | 5795 MHz | 36.48 | 36.32 | 36.48 | 41.60 | 36.32 | 36.64 | 500 | Complies |

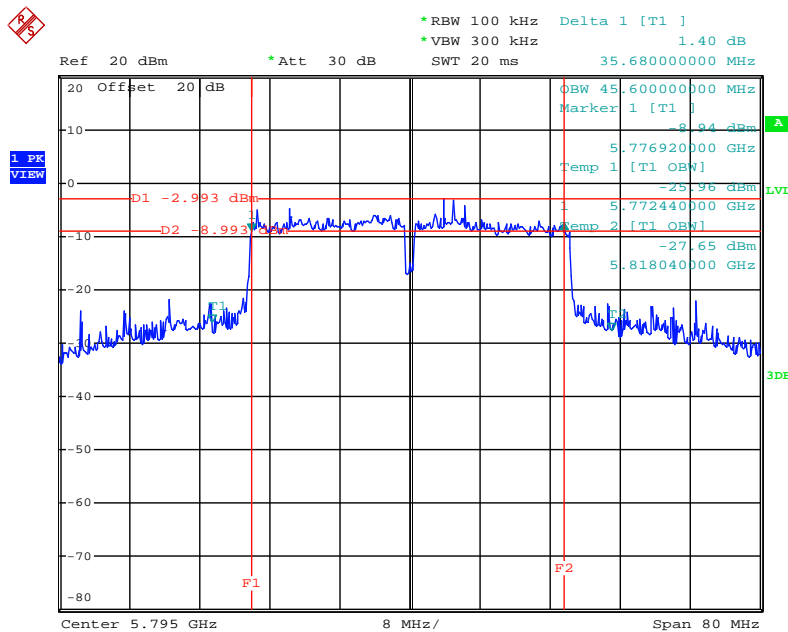
For <Nss1MCS0, Ant. 1+2+3, CDD>

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 1



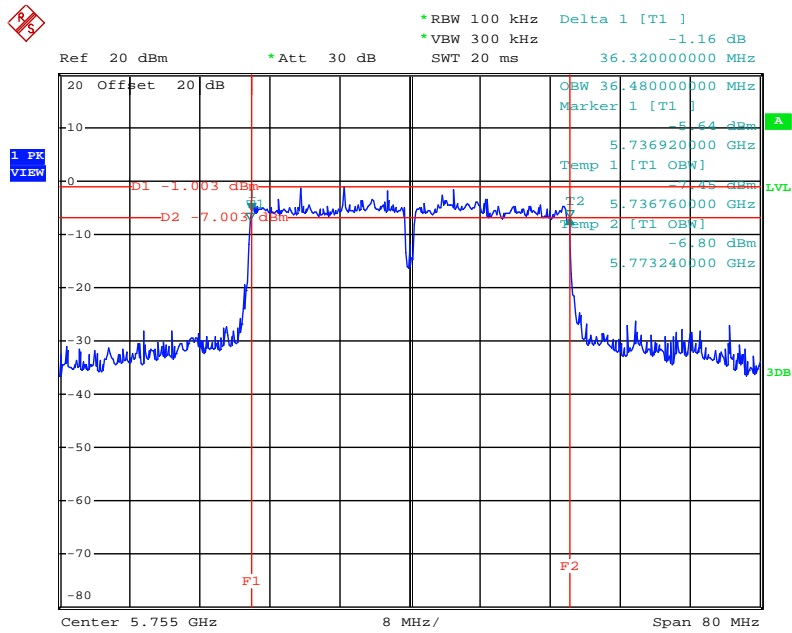
Date: 17.FEB.2014 15:35:31

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 1



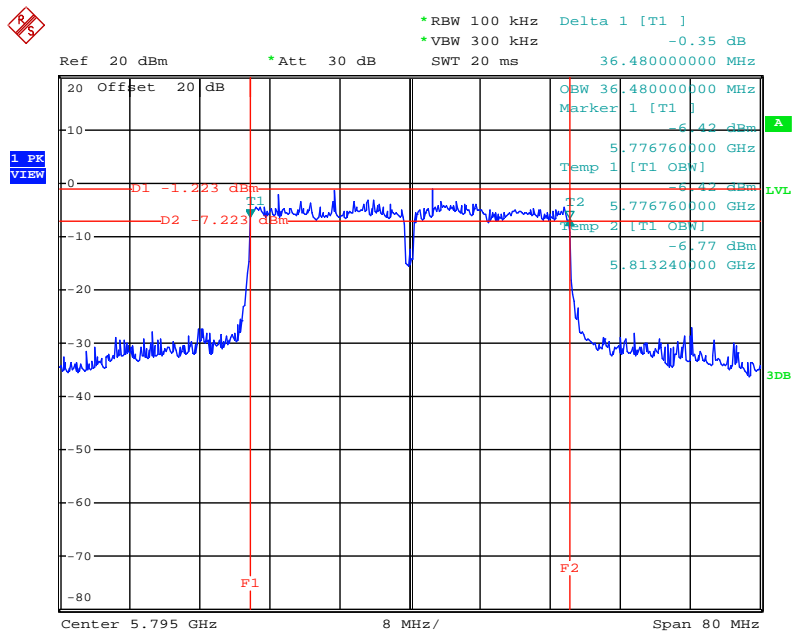
Date: 17.FEB.2014 15:33:12

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 2



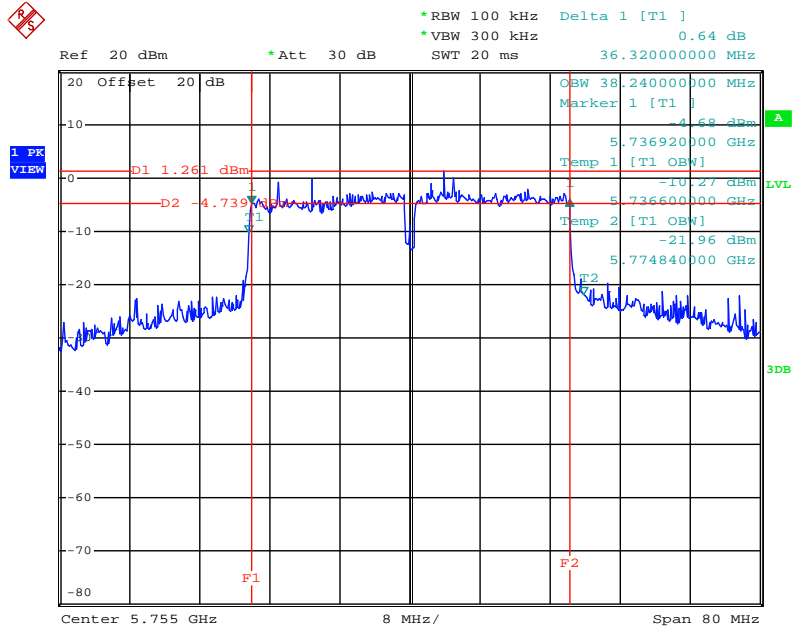
Date: 17.FEB.2014 15:35:06

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 2



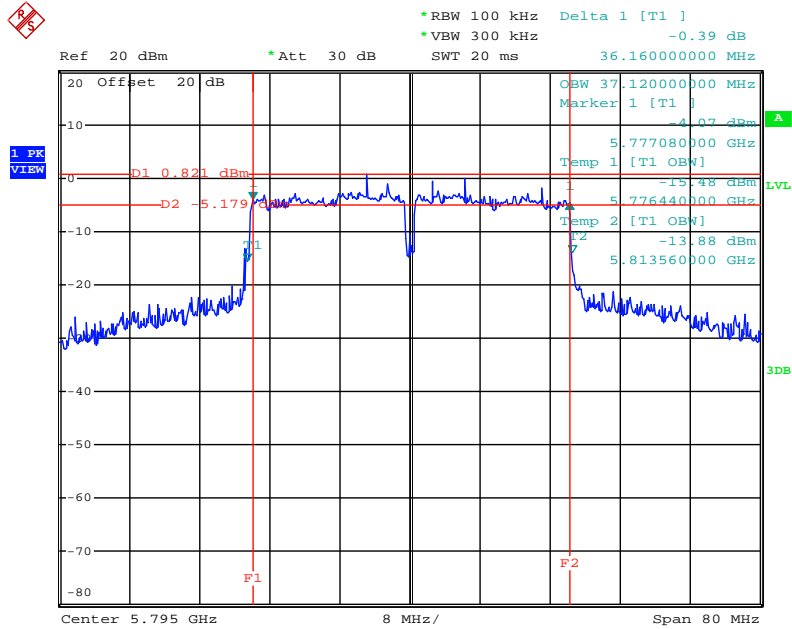
Date: 17.FEB.2014 15:33:37

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 3



Date: 17.FEB.2014 15:34:43

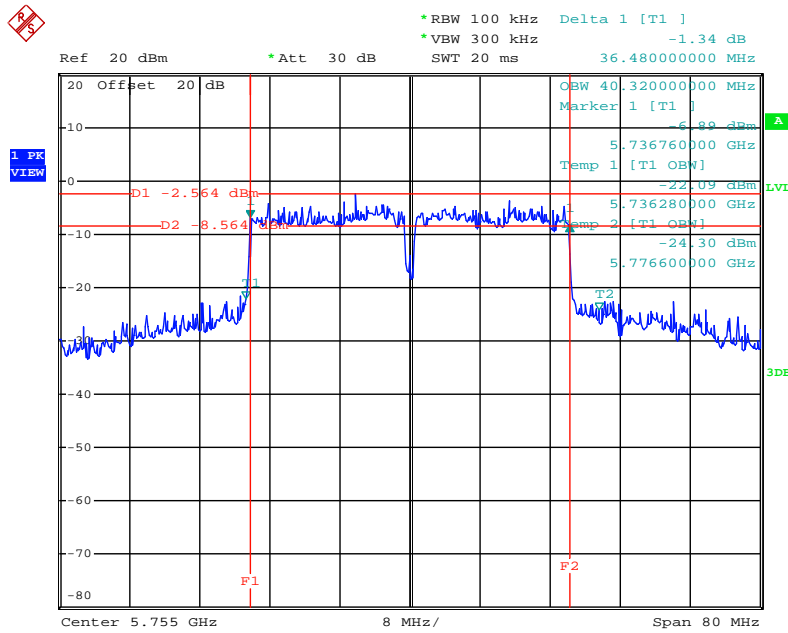
6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 3



Date: 17.FEB.2014 15:33:52

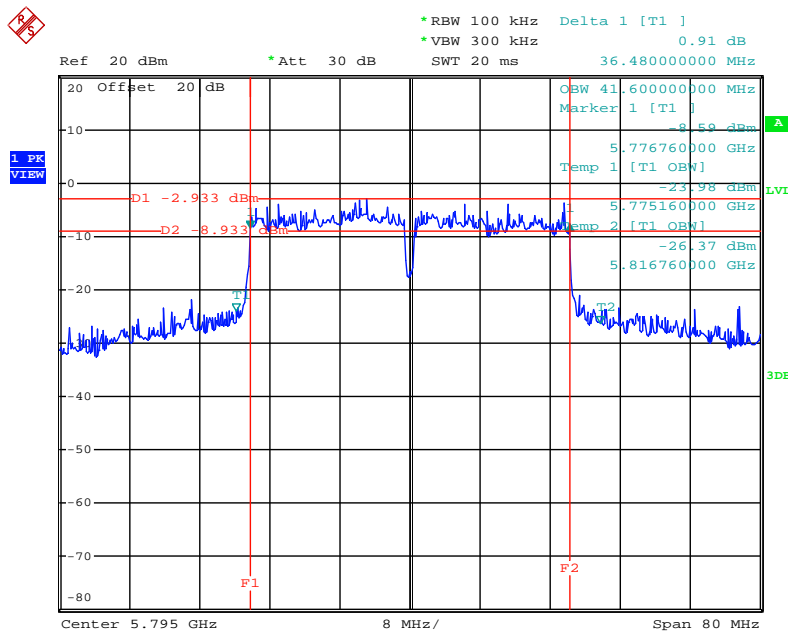
For <Nss2MCS0, Ant. 1+2+3, CDD>

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 1



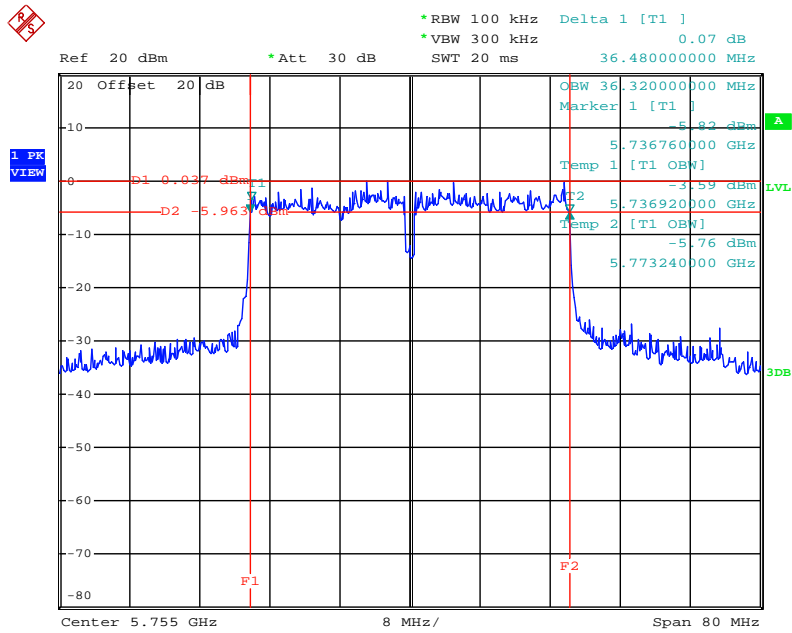
Date: 17.FEB.2014 15:27:30

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 159 / Ant. 1



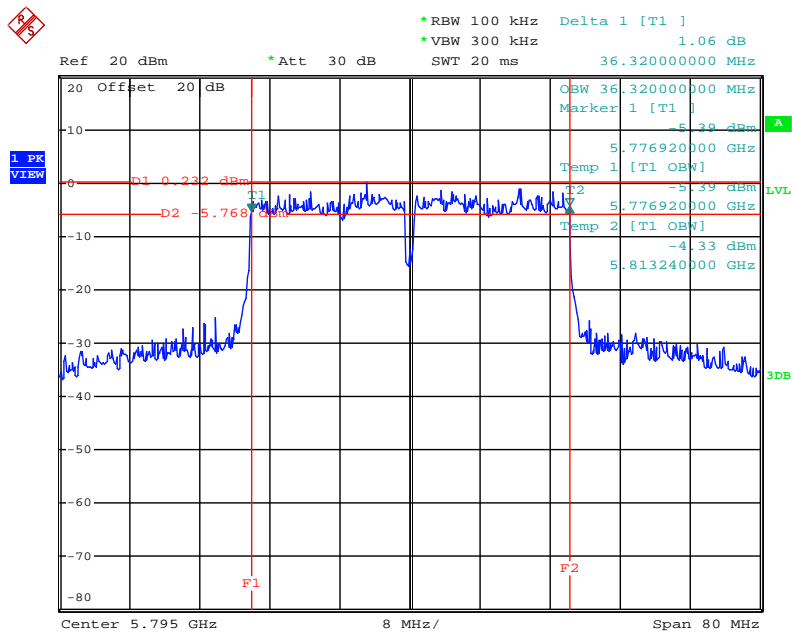
Date: 17.FEB.2014 15:30:39

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 2



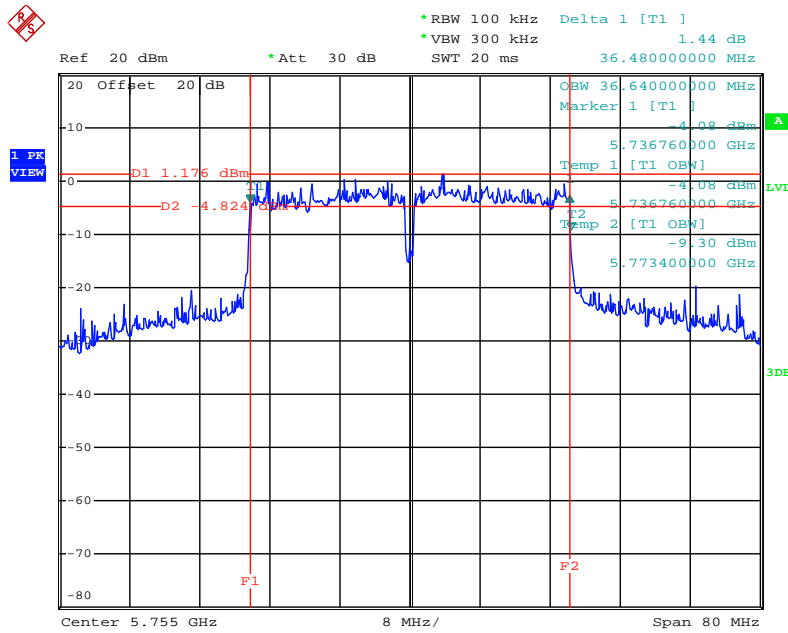
Date: 17.FEB.2014 15:28:02

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 159 / Ant. 2



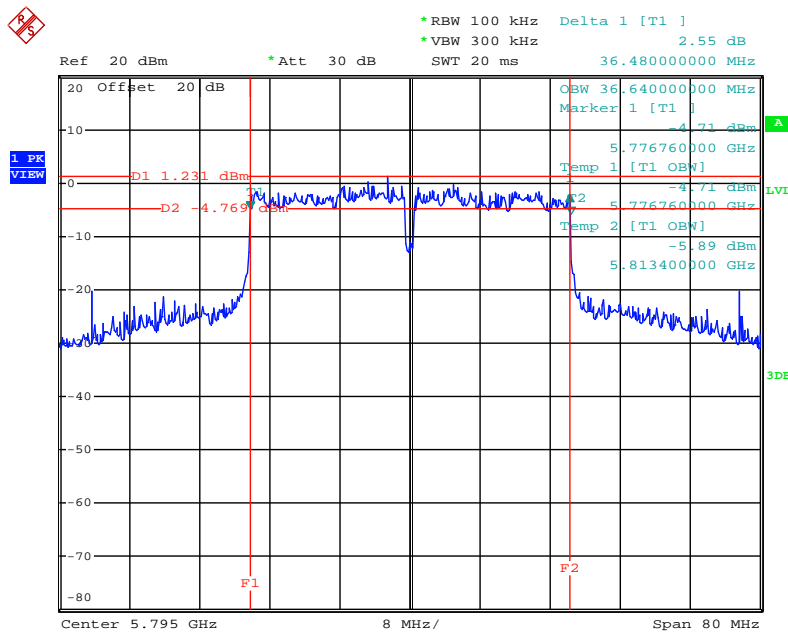
Date: 17.FEB.2014 15:30:16

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 3



Date: 17.FEB.2014 15:28:24

6 dB Bandwidth Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 159 / Ant. 3



Date: 17.FEB.2014 15:29:48

| | | | |
|----------------------|---------------|----------------------|----------------|
| Test date | Feb. 13, 2014 | Test Site No. | TH01-CB |
| Temperature | 26°C | Humidity | 63% |
| Test Engineer | Magic Lai | Configuration | 802.11ac 80MHz |

Configuration IEEE 802.11ac 80MHz

<Nss1MCS0, Ant. 1+2+3, CDD>

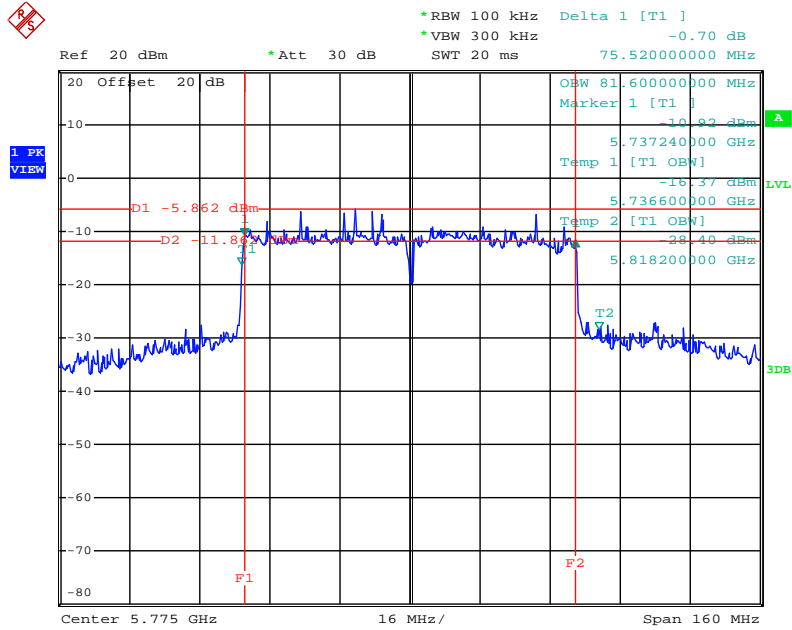
| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 155 | 5775 MHz | 75.52 | 73.60 | 73.92 | 81.60 | 76.48 | 76.80 | 500 | Complies |

<Nss2MCS0, Ant. 1+2+3, CDD>

| Channel | Frequency | 6dB Bandwidth (MHz) | | | 99% Occupied Bandwidth (MHz) | | | Min. Limit (kHz) | Test Result |
|---------|-----------|---------------------|--------|--------|------------------------------|--------|--------|------------------|-------------|
| | | Ant. 1 | Ant. 2 | Ant. 3 | Ant. 1 | Ant. 2 | Ant. 3 | | |
| 155 | 5775 MHz | 76.16 | 76.48 | 75.84 | 77.44 | 76.16 | 76.48 | 500 | Complies |

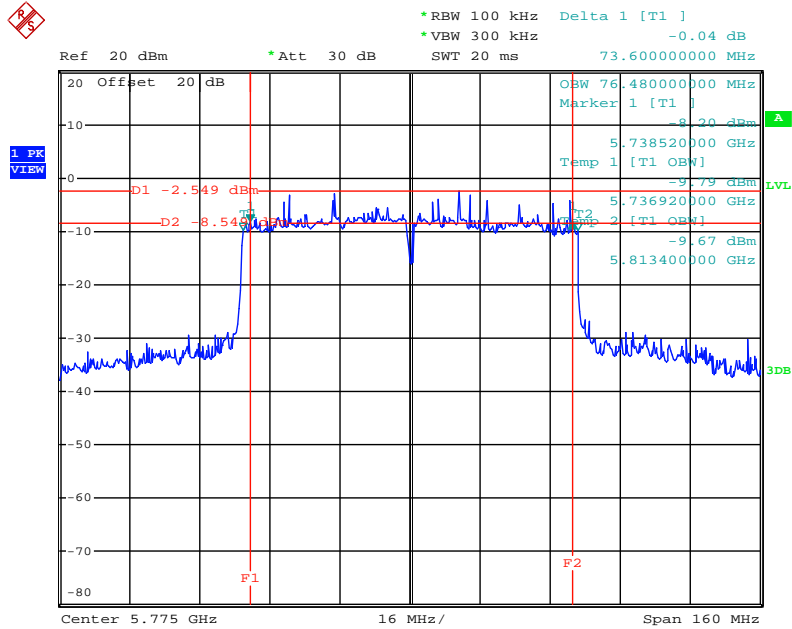
For <Nss1MCS0, Ant. 1+2+3, CDD>

Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 1



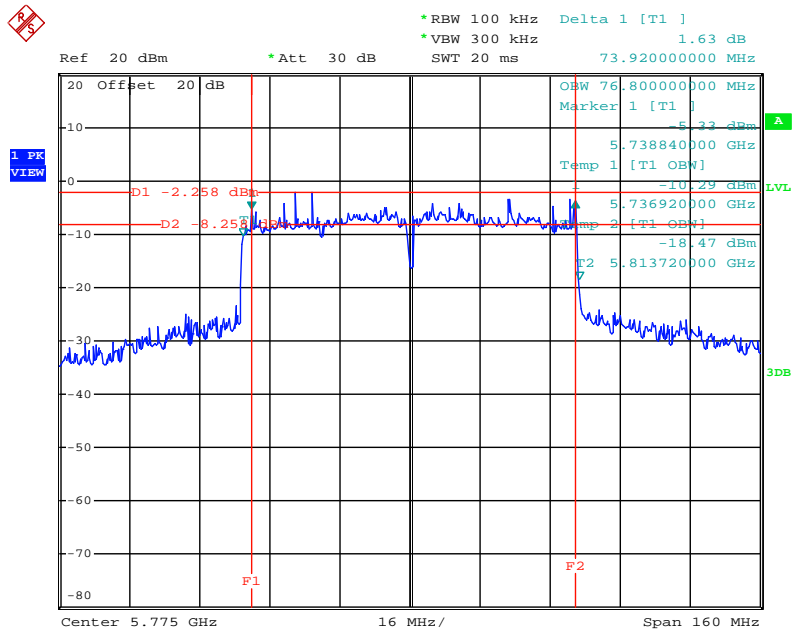
Date: 17.FEB.2014 15:38:58

Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 2



Date: 17.FEB.2014 15:39:27

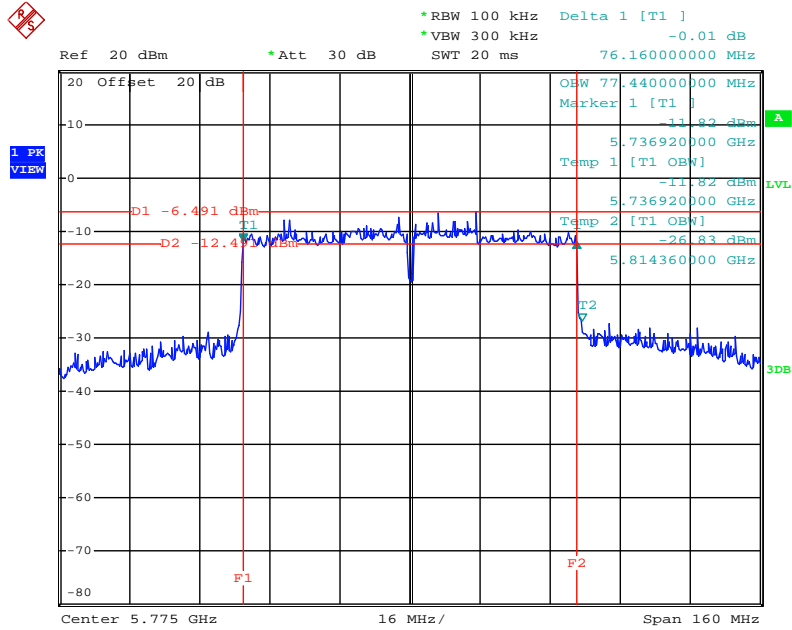
Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 3



Date: 17.FEB.2014 15:39:56

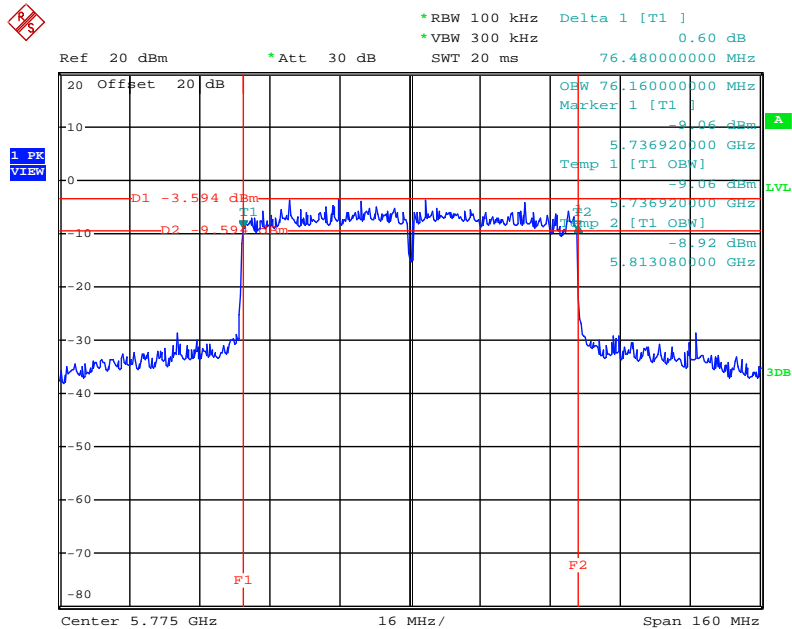
For <Nss2MCS0, Ant. 1+2+3, CDD>

Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 1



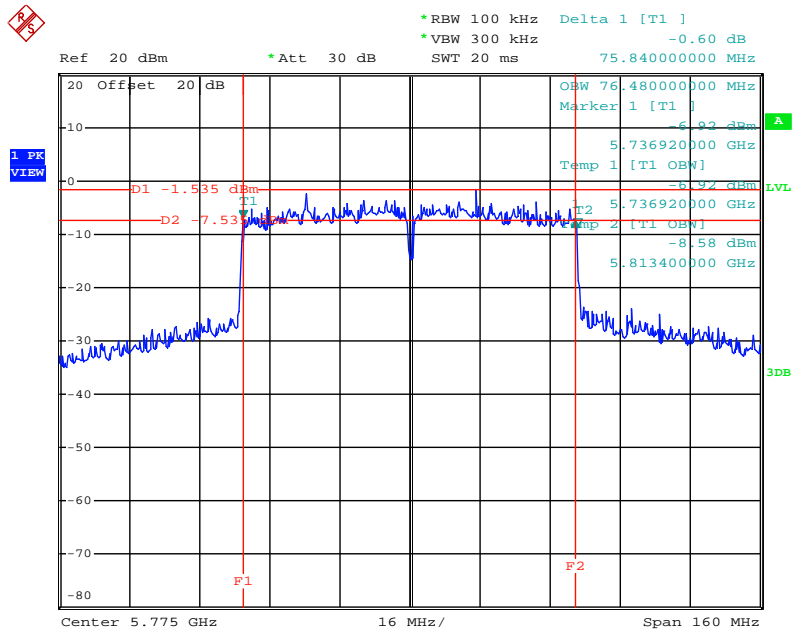
Date: 17.FEB.2014 15:42:07

Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 2



Date: 17.FEB.2014 15:41:47

Power Density Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 3



Date: 17.FEB.2014 15:41:13

4.5. Radiated Emissions Measurement

4.5.1. Limit

30dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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

4.5.2. Measuring Instruments and Setting

Please refer to section 6 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

| Spectrum Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Start Frequency | 1GHz |
| Stop Frequency | 10th carrier harmonic |
| RBW / VBW (Emission in restricted band) | 1MHz / 3MHz for Peak, 1MHz / 10Hz for Average |
| RBW / VBW (Emission in non-restricted band) | 100kHz / 300kHz for peak |

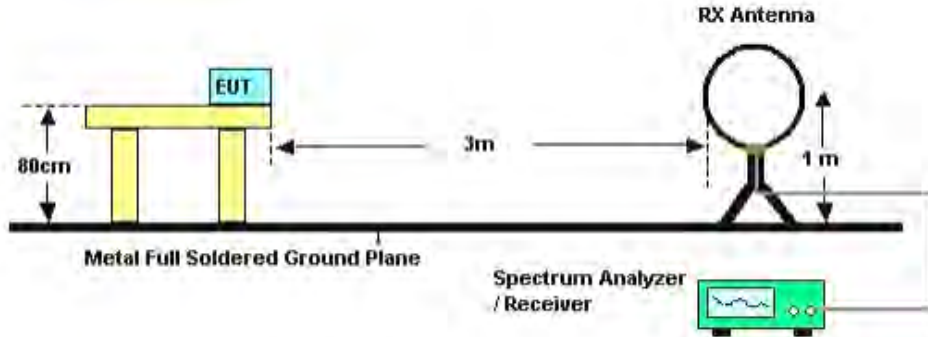
| Receiver Parameter | Setting |
|---------------------------|--------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~150kHz / RBW 200Hz for QP |
| Start ~ Stop Frequency | 150kHz~30MHz / RBW 9kHz for QP |
| Start ~ Stop Frequency | 30MHz~1GHz / RBW 120kHz for QP |

4.5.3. Test Procedures

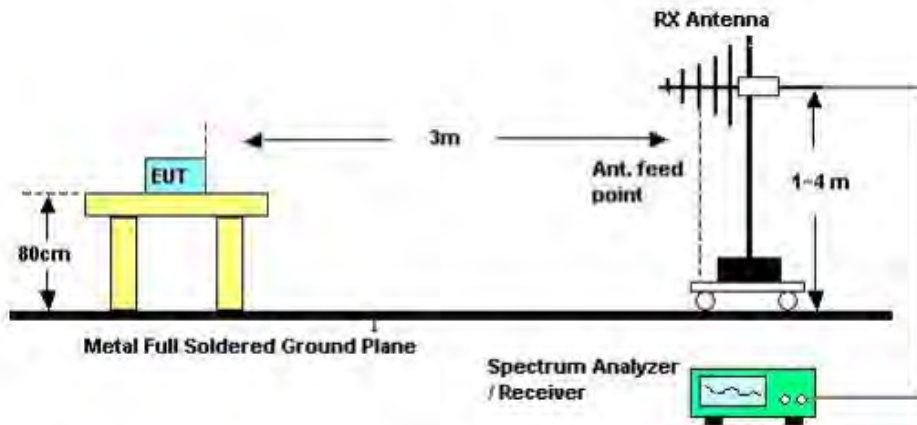
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 m to 4 m) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and 3MHz RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

4.5.4. Test Setup Layout

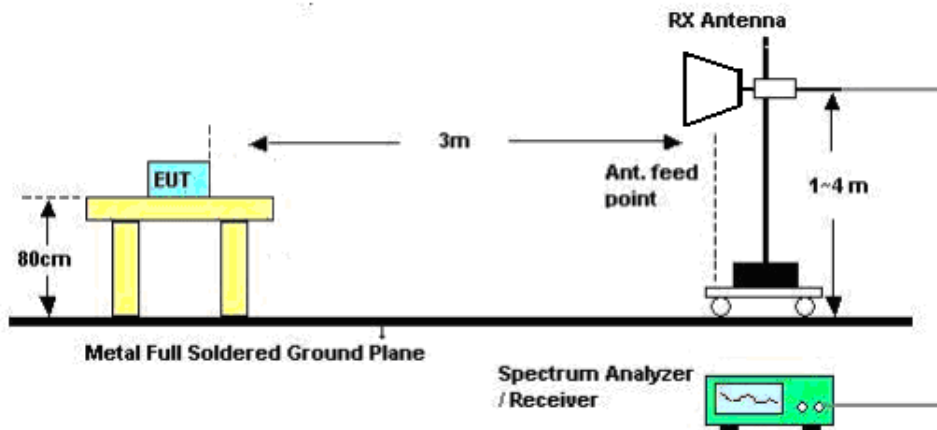
For Radiated Emissions below 1GHz (9kHz~30MHz)



For Radiated Emissions below 1GHz (30MHz~1GHz)



For Radiated Emissions above 1GHz



4.5.5. Test Deviation

There are no deviations with the original standard.

4.5.6. 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.

4.5.7. Results of Radiated Emissions (9kHz~30MHz)

| | | | |
|------------------------|---------------|-----------------------|-----------|
| Frequency Range | 9kHz~30MHz | Test Site No. | 03CH01-CB |
| Temperature | 24°C | Humidity | 55% |
| Test Engineer | David Tseng | Configurations | CTX |
| Test Date | Feb. 26, 2014 | | |

| Freq. (MHz) | Level (dBuV) | Over Limit (dB) | Limit Line (dBuV) | Remark |
|--------------------|---------------------|------------------------|--------------------------|---------------|
| - | - | - | - | See Note |

Note:

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

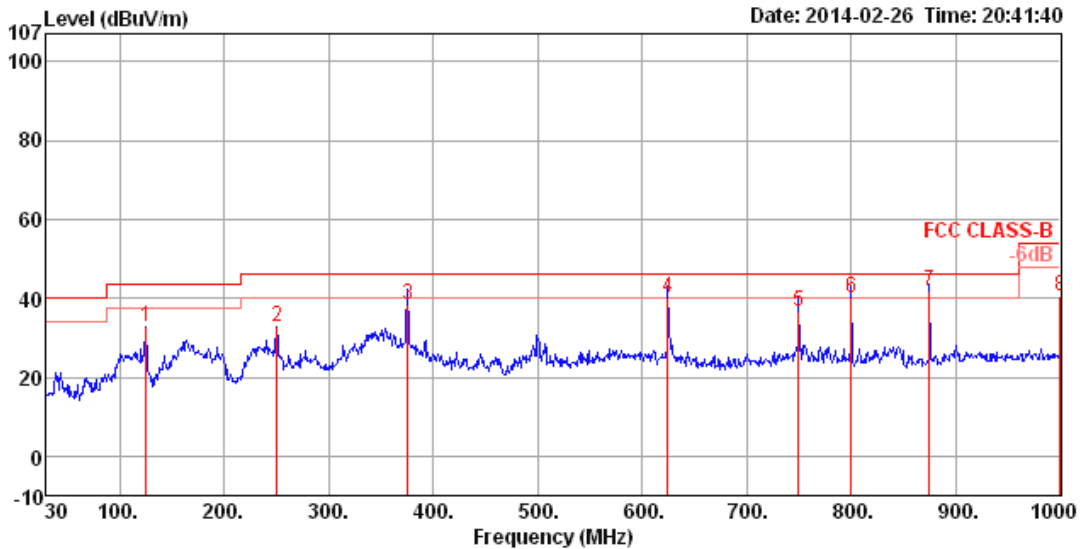
Distance extrapolation factor = $40 \log(\text{specific distance} / \text{test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

4.5.8. Results of Radiated Emissions (30MHz~1GHz)

| | | | |
|-----------------|-------------|----------------|-----------|
| Frequency Range | 30MHz~1GHz | Test Site No. | 03CH01-CB |
| Temperature | 24°C | Humidity | 55% |
| Test Engineer | David Tseng | Configurations | CTX |

Horizontal



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | Pol/Phase | Remark |
|---|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|------------|--------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 125.06 | 32.73 | 43.50 | -10.77 | 51.24 | 1.33 | 11.73 | 31.57 | 150 | 211 | HORIZONTAL | Peak |
| 2 | 250.19 | 32.73 | 46.00 | -13.27 | 50.41 | 1.90 | 11.91 | 31.49 | 125 | 119 | HORIZONTAL | Peak |
| 3 | 375.32 | 38.52 | 46.00 | -7.48 | 52.58 | 2.44 | 14.93 | 31.43 | 100 | 301 | HORIZONTAL | QP |
| 4 | 624.61 | 40.23 | 46.00 | -5.77 | 49.84 | 3.18 | 18.61 | 31.40 | 131 | 289 | HORIZONTAL | QP |
| 5 | 749.74 | 36.53 | 46.00 | -9.47 | 44.68 | 3.53 | 19.69 | 31.37 | 100 | 329 | HORIZONTAL | QP |
| 6 | 800.18 | 40.17 | 46.00 | -5.83 | 48.01 | 3.67 | 19.76 | 31.27 | 103 | 107 | HORIZONTAL | QP |
| 7 | 874.87 | 41.91 | 46.00 | -4.09 | 48.93 | 3.89 | 20.24 | 31.15 | 100 | 296 | HORIZONTAL | QP |
| 8 | 1000.00 | 40.65 | 54.00 | -13.35 | 46.18 | 4.21 | 21.44 | 31.18 | 125 | 327 | HORIZONTAL | Peak |

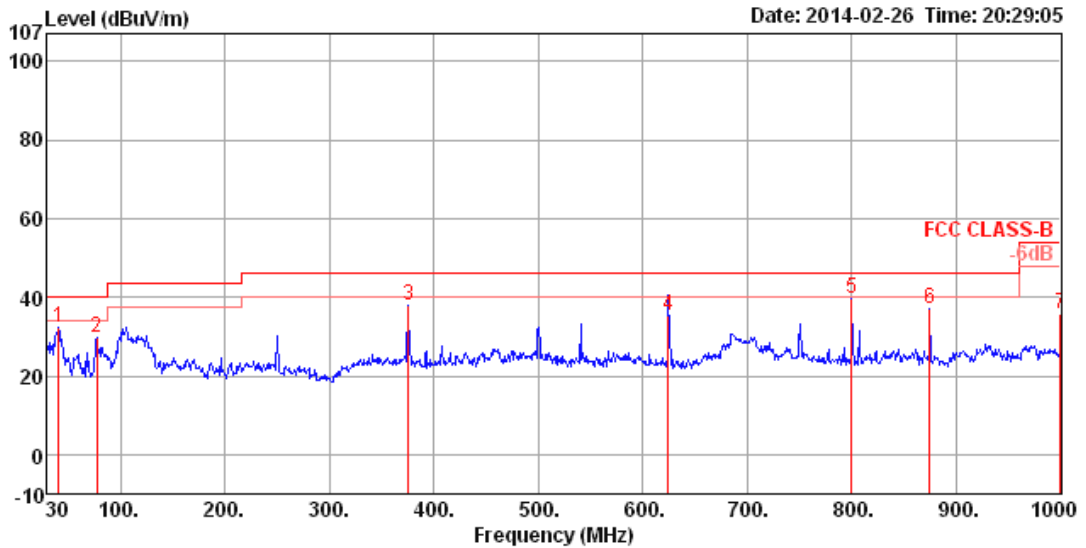
Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB 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.

Vertical



| | Freq | Level | Limit | Over | Read | CableAntenna | Preamp | A/Pos | T/Pos | Pol/Phase | Remark |
|---|---------|--------|--------|--------|-------|--------------|--------|-------|-------|-----------|---------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 40.67 | 32.41 | 40.00 | -7.59 | 51.68 | 0.75 | 11.85 | 31.87 | 100 | 191 | VERTICAL Peak |
| 2 | 77.53 | 29.58 | 40.00 | -10.42 | 53.72 | 1.03 | 6.53 | 31.70 | 150 | 312 | VERTICAL Peak |
| 3 | 375.32 | 38.14 | 46.00 | -7.86 | 52.20 | 2.44 | 14.93 | 31.43 | 150 | 102 | VERTICAL Peak |
| 4 | 624.61 | 35.41 | 46.00 | -10.59 | 45.02 | 3.18 | 18.61 | 31.40 | 100 | 56 | VERTICAL QP |
| 5 | 800.18 | 39.72 | 46.00 | -6.28 | 47.56 | 3.67 | 19.76 | 31.27 | 100 | 91 | VERTICAL Peak |
| 6 | 874.87 | 37.08 | 46.00 | -8.92 | 44.10 | 3.89 | 20.24 | 31.15 | 125 | 303 | VERTICAL Peak |
| 7 | 1000.00 | 35.96 | 54.00 | -18.04 | 41.49 | 4.21 | 21.44 | 31.18 | 100 | 291 | VERTICAL Peak |

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB 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.

4.5.9. Results for Radiated Emissions (1GHz~10th Harmonic)

Following channel(s) was (were) selected for the final test as listed below.
For Non-Beamforming

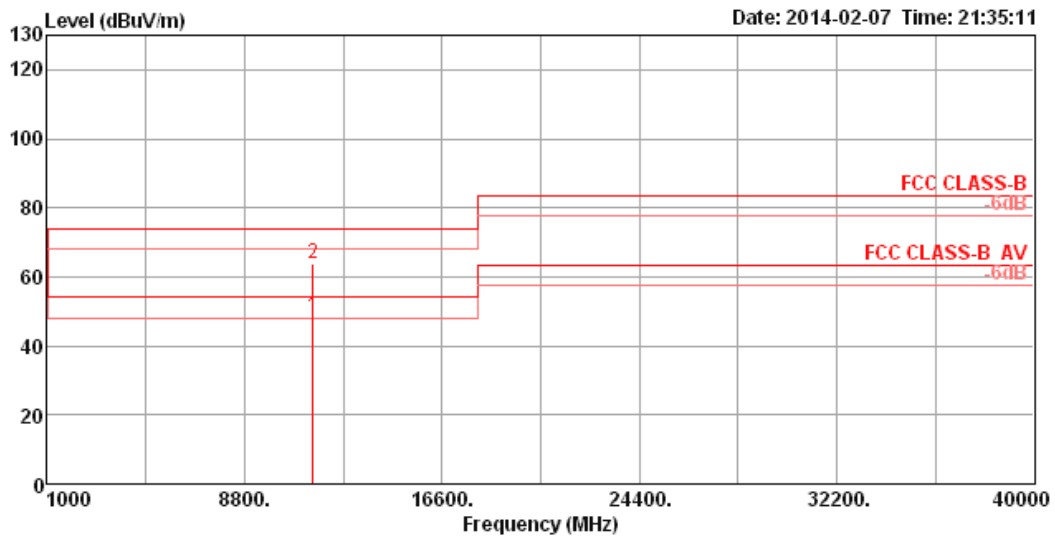
| MODE | TX Chain | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
|----------------|----------------|----------------|-----------------------|-----------------|------------------|
| 802.11a | Ant.1 | 149, 157, 165 | OFDM | BPSK | 6 |
| 802.11a | Ant.1+2+3, CDD | 149, 157, 165 | OFDM | BPSK | 6 |
| 802.11ac 20MHz | Ant.1 | 149, 157, 165 | OFDM | BPSK | MCS0 (6.5) |
| 802.11ac 20MHz | Ant.1+2+3, CDD | 149, 157, 165 | OFDM | BPSK | MCS0 (6.5) |
| 802.11ac 20MHz | Ant.1+2+3, CDD | 149, 157, 165 | OFDM | BPSK | MCS0 (13) |
| 802.11ac 40MHz | Ant.1 | 151, 159 | OFDM | BPSK | MCS0 (13.5) |
| 802.11ac 40MHz | Ant.1+2+3, CDD | 151, 159 | OFDM | BPSK | MCS0 (13.5) |
| 802.11ac 40MHz | Ant.1+2+3, CDD | 151, 159 | OFDM | BPSK | MCS0 (27) |
| 802.11ac 80MHz | Ant.3 | 155 | OFDM | BPSK | MCS0 (29.3) |
| 802.11ac 80MHz | Ant.1+2+3, CDD | 155 | OFDM | BPSK | MCS0 (29.3) |
| 802.11ac 80MHz | Ant.1+2+3, CDD | 155 | OFDM | BPSK | MCS0 (58.5) |

For Beamforming

| MODE | TX Chain | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
|----------------|----------------|----------------|-----------------------|-----------------|------------------|
| 802.11ac 20MHz | Ant.1+2+3, CDD | 149, 157, 165 | OFDM | BPSK | MCS0 (6.5) |
| 802.11ac 20MHz | Ant.1+2+3, CDD | 149, 157, 165 | OFDM | BPSK | MCS0 (13) |
| 802.11ac 40MHz | Ant.1+2+3, CDD | 151, 159 | OFDM | BPSK | MCS0 (13.5) |
| 802.11ac 40MHz | Ant.1+2+3, CDD | 151, 159 | OFDM | BPSK | MCS0 (27) |
| 802.11ac 80MHz | Ant.1+2+3, CDD | 155 | OFDM | BPSK | MCS0 (29.3) |
| 802.11ac 80MHz | Ant.1+2+3, CDD | 155 | OFDM | BPSK | MCS0 (58.5) |

For Non-Beamforming

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 149 / Ant. 1 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11491.80 | 48.45 | 54.00 | -5.55 | 39.84 | 5.11 | 38.78 | 35.28 | Average | 104 | 181 | HORIZONTAL |
| 2 | 11492.56 | 63.91 | 74.00 | -10.09 | 55.30 | 5.11 | 38.78 | 35.28 | Peak | 104 | 181 | HORIZONTAL |

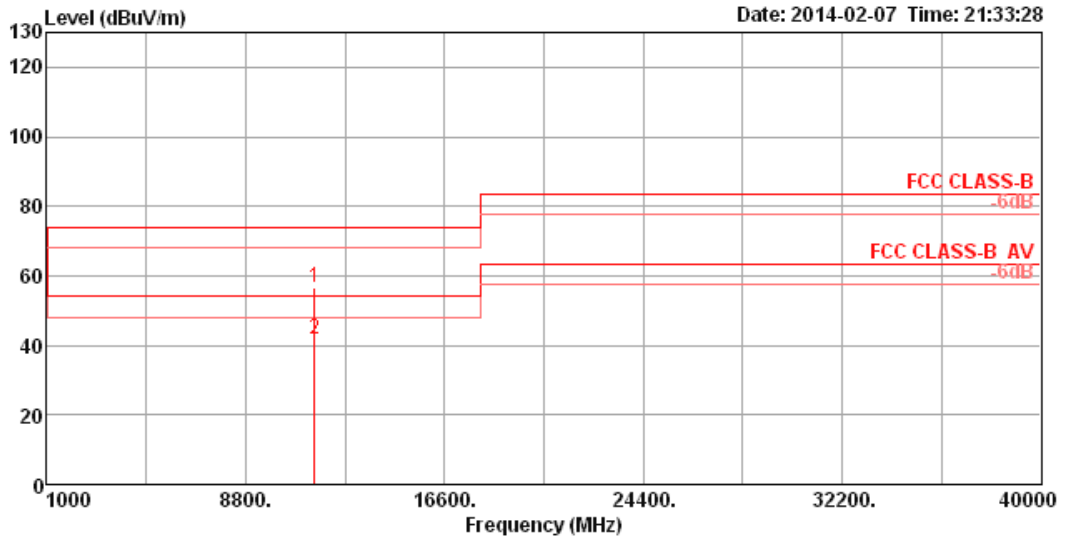
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

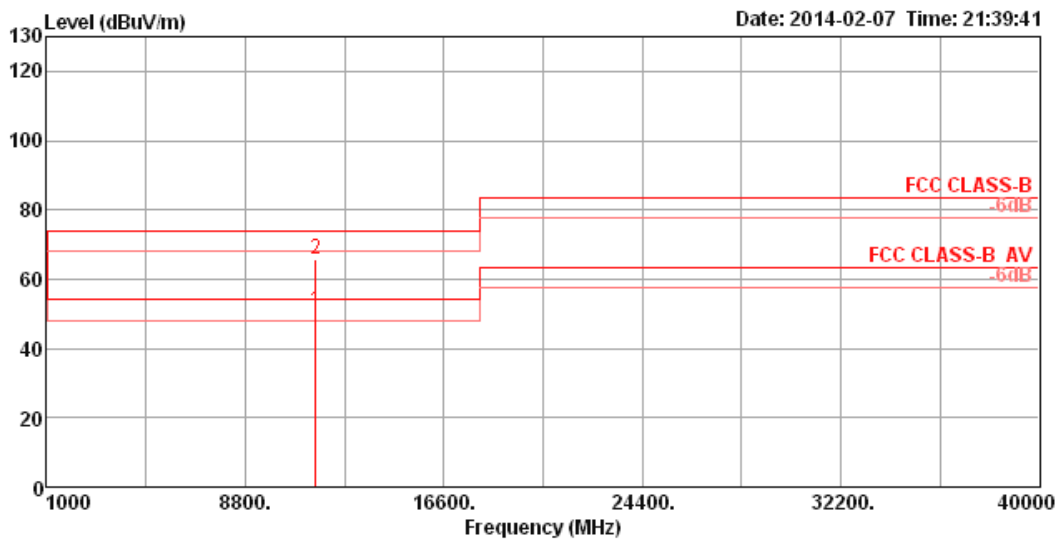
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 149 / Ant. 1 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11488.08 | 56.70 | 74.00 | -17.30 | 48.09 | 5.11 | 38.78 | 35.28 | Peak | 100 | 169 | VERTICAL |
| 2 | 11490.28 | 41.57 | 54.00 | -12.43 | 32.96 | 5.11 | 38.78 | 35.28 | Average | 100 | 169 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 157 / Ant. 1 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq MHz | Level dBUV/m | Line dBUV/m | Limit dB | Level dBUV | CableAntenna Preamp | | | Remark | A/Pos cm | T/Pos deg | Pol/Phase |
|---|-------------|-----------------|----------------|-------------|---------------|---------------------|----------------|--------------|---------|-------------|--------------|------------|
| | | | | | | Loss dB | Factor dB/m | Factor dB | | | | |
| 1 | 11570.16 | 50.72 | 54.00 | -3.28 | 42.05 | 5.14 | 38.83 | 35.30 | Average | 101 | 182 | HORIZONTAL |
| 2 | 11572.60 | 65.85 | 74.00 | -8.15 | 57.18 | 5.14 | 38.83 | 35.30 | Peak | 101 | 182 | HORIZONTAL |

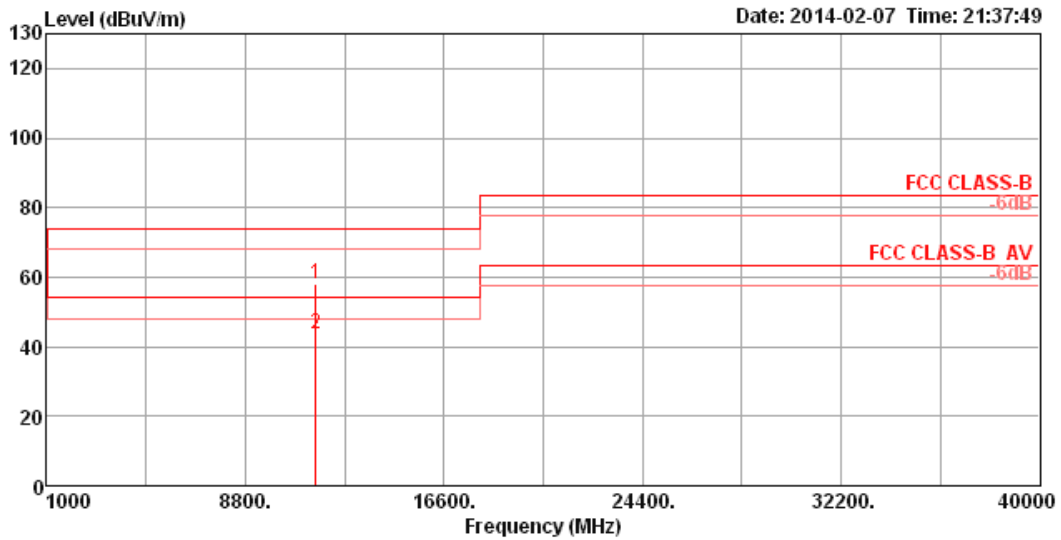
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBUV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 157 / Ant. 1 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11568.32 | 58.26 | 74.00 | -15.74 | 49.60 | 5.13 | 38.83 | 35.30 | Peak | 100 | 78 | VERTICAL |
| 2 | 11570.20 | 43.43 | 54.00 | -10.57 | 34.76 | 5.14 | 38.83 | 35.30 | Average | 100 | 78 | VERTICAL |

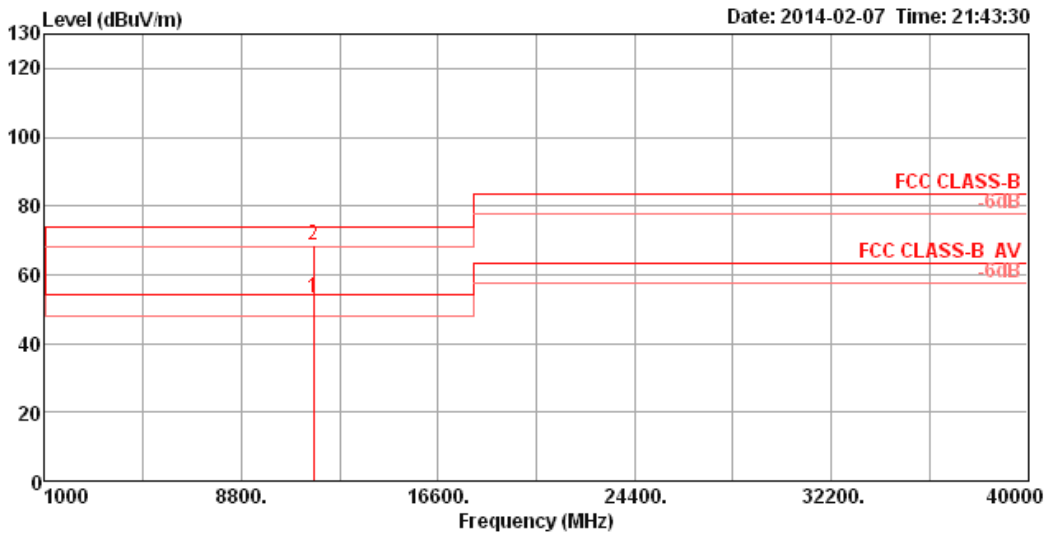
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

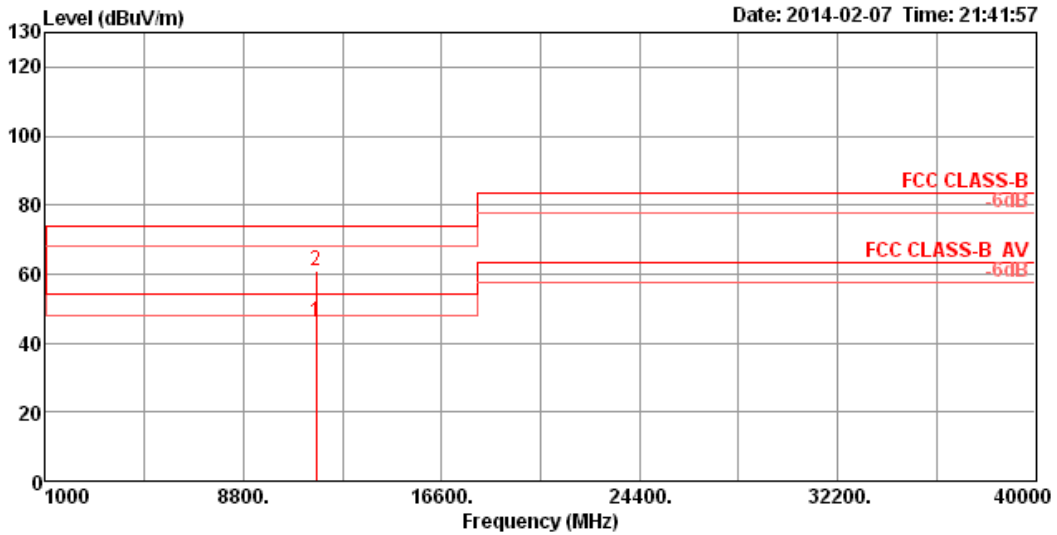
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 165 / Ant. 1 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|------|----------|--------|-------|-------|-------|---------|--------|---------------|-------|-------|------------|
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11650.20 | 53.10 | 54.00 | -0.90 | 44.38 | 5.16 | 38.86 | 35.30 Average | 102 | 180 | HORIZONTAL |
| 2 | 11653.80 | 68.50 | 74.00 | -5.50 | 59.78 | 5.16 | 38.86 | 35.30 Peak | 102 | 180 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

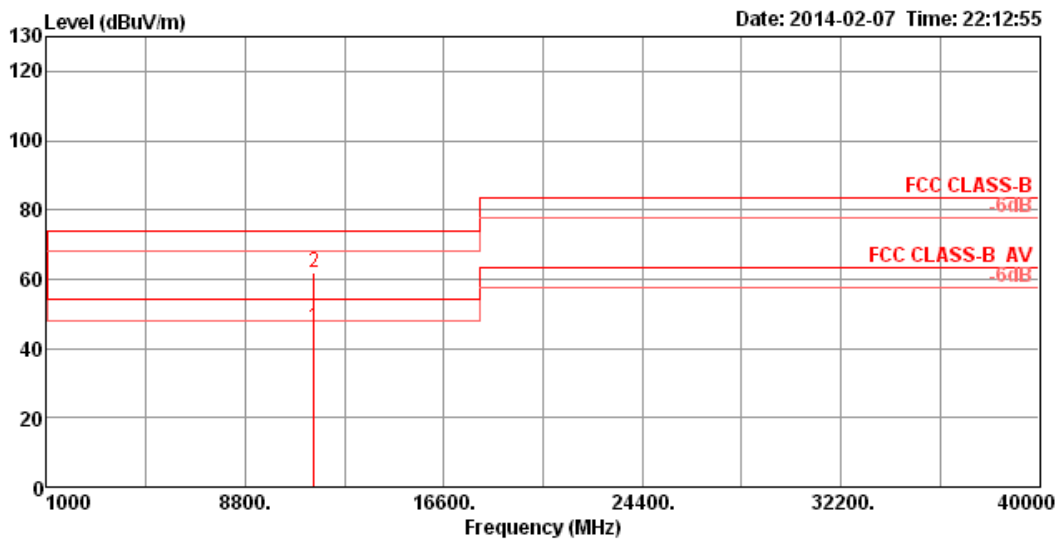
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 165 / Ant. 1 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11651.80 | 45.98 | 54.00 | -8.02 | 37.26 | 5.16 | 38.86 | 35.30 | Average | 110 | 171 | VERTICAL |
| 2 | 11652.72 | 61.13 | 74.00 | -12.87 | 52.41 | 5.16 | 38.86 | 35.30 | Peak | 110 | 171 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

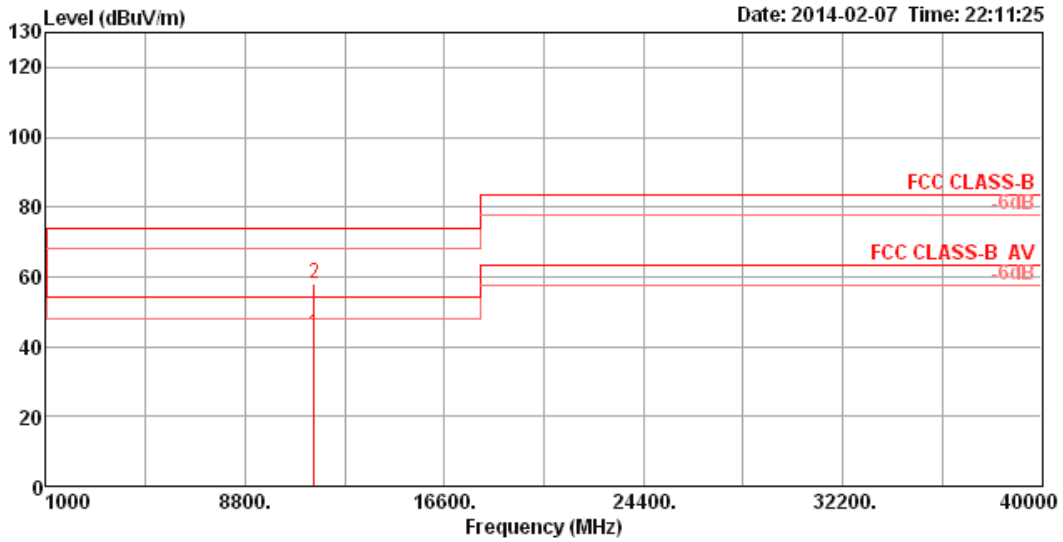
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|----------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 149 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11492.20 | 46.06 | 54.00 | -7.94 | 37.45 | 5.11 | 38.78 | 35.28 | Average | 100 | 182 | HORIZONTAL |
| 2 | 11492.72 | 61.66 | 74.00 | -12.34 | 53.05 | 5.11 | 38.78 | 35.28 | Peak | 100 | 182 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBUV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|----------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 149 / Ant. 1+2+3 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11486.72 | 43.68 | 54.00 | -10.32 | 35.07 | 5.11 | 38.78 | 35.28 | Average | 101 | 170 | VERTICAL |
| 2 | 11486.76 | 57.92 | 74.00 | -16.08 | 49.31 | 5.11 | 38.78 | 35.28 | Peak | 101 | 170 | VERTICAL |

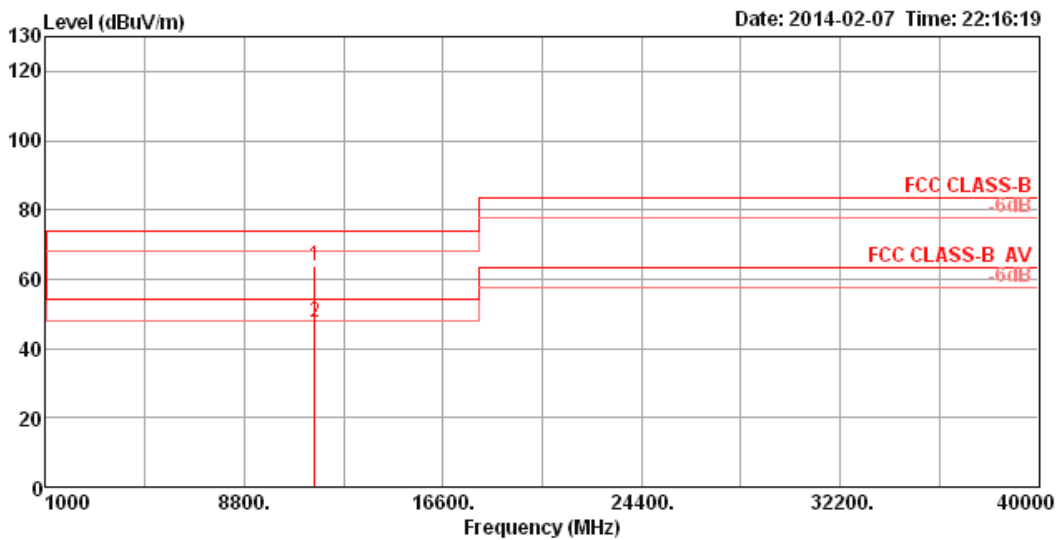
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBUV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

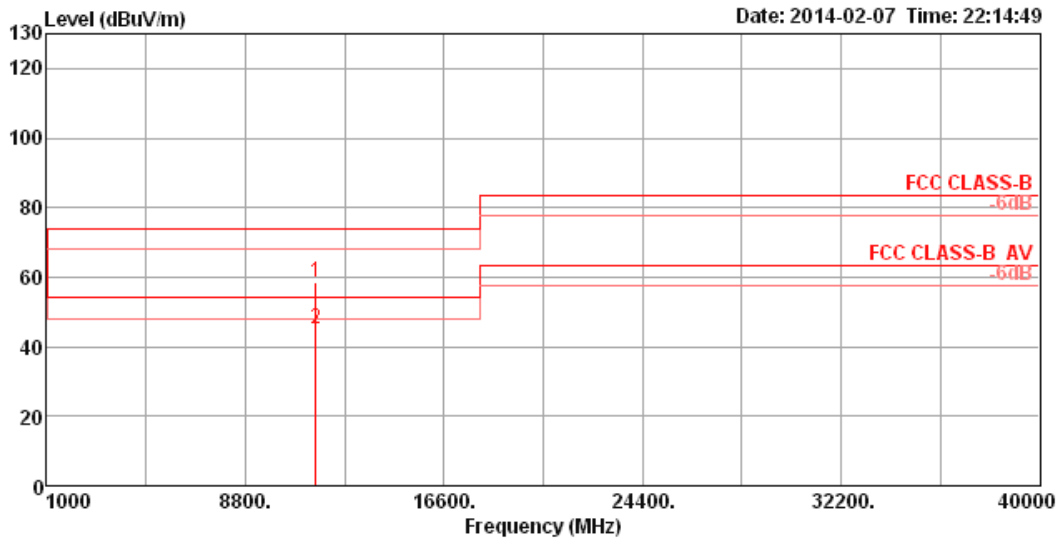
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|----------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 157 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11572.64 | 63.83 | 74.00 | -10.17 | 55.16 | 5.14 | 38.83 | 35.30 | Peak | 100 | 180 | HORIZONTAL |
| 2 | 11573.04 | 47.71 | 54.00 | -6.29 | 39.04 | 5.14 | 38.83 | 35.30 | Average | 100 | 180 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

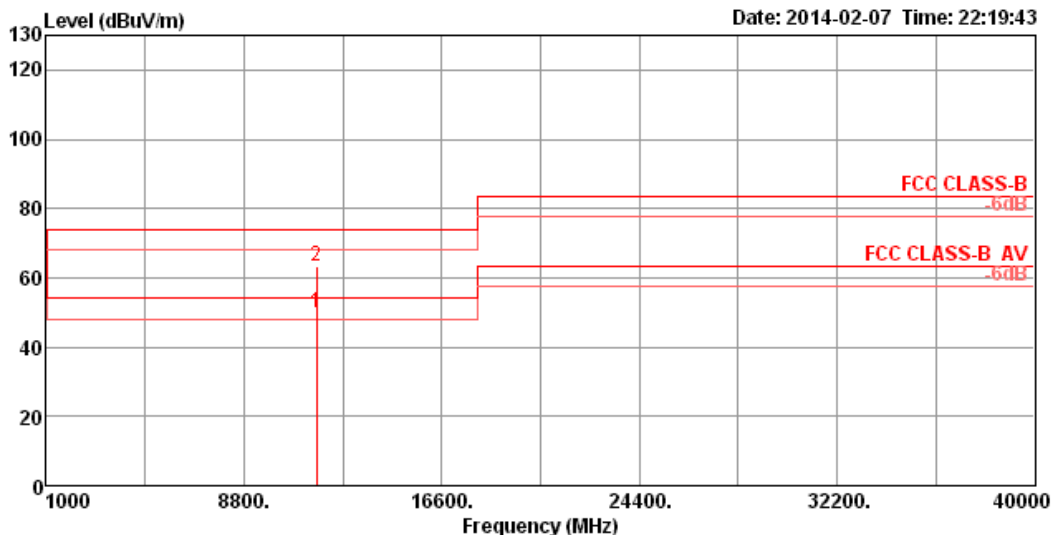
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|----------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 157 / Ant. 1+2+3 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11569.96 | 58.72 | 74.00 | -15.28 | 50.05 | 5.14 | 38.83 | 35.30 | Peak | 100 | 80 | VERTICAL |
| 2 | 11570.24 | 45.05 | 54.00 | -8.95 | 36.38 | 5.14 | 38.83 | 35.30 | Average | 100 | 80 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

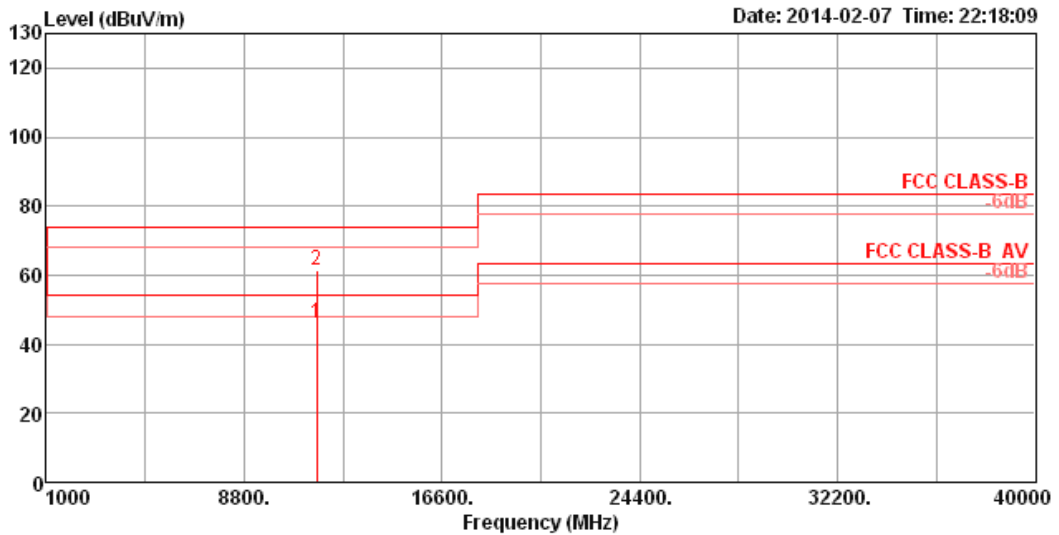
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|----------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 165 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11651.36 | 49.76 | 54.00 | -4.24 | 41.04 | 5.16 | 38.86 | 35.30 | Average | 100 | 146 | HORIZONTAL |
| 2 | 11652.32 | 63.42 | 74.00 | -10.58 | 54.70 | 5.16 | 38.86 | 35.30 | Peak | 100 | 146 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

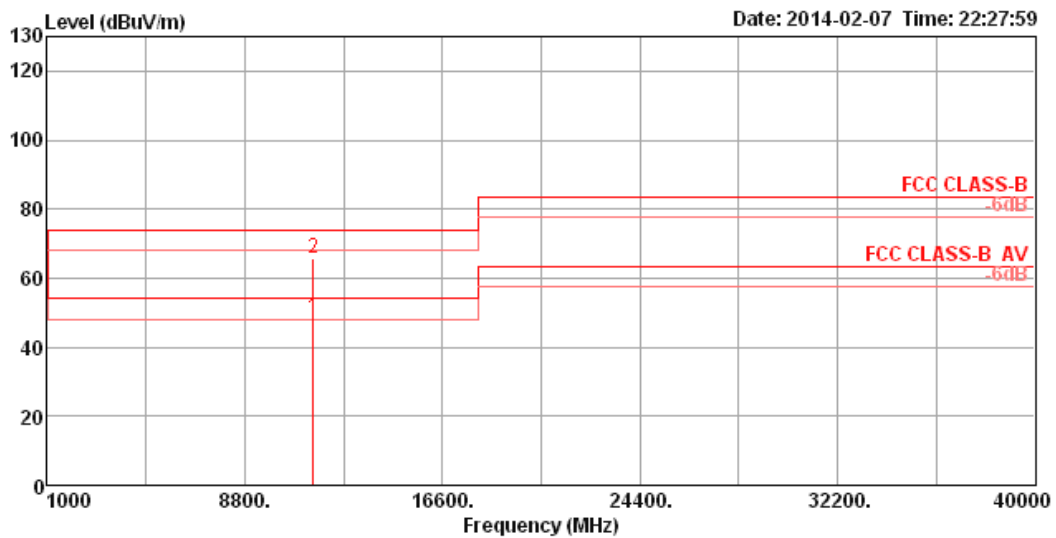
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|----------------------------------|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11a CH 165 / Ant. 1+2+3 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11647.96 | 46.03 | 54.00 | -7.97 | 37.31 | 5.16 | 38.86 | 35.30 | Average | 100 | 169 | VERTICAL |
| 2 | 11648.08 | 61.37 | 74.00 | -12.63 | 52.65 | 5.16 | 38.86 | 35.30 | Peak | 100 | 169 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 149 / Ant. 1 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|-------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11490.48 | 48.34 | 54.00 | -5.66 | 39.73 | 5.11 | 38.78 | 35.28 | Average | 103 | 181 | HORIZONTAL |
| 2 | 11495.84 | 65.71 | 74.00 | -8.29 | 57.09 | 5.12 | 38.78 | 35.28 | Peak | 103 | 181 | HORIZONTAL |

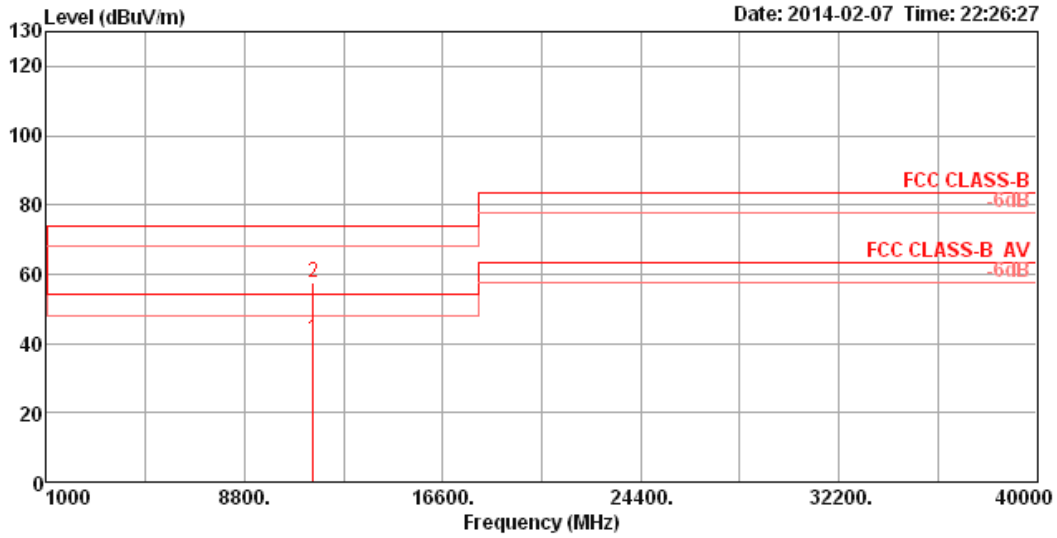
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

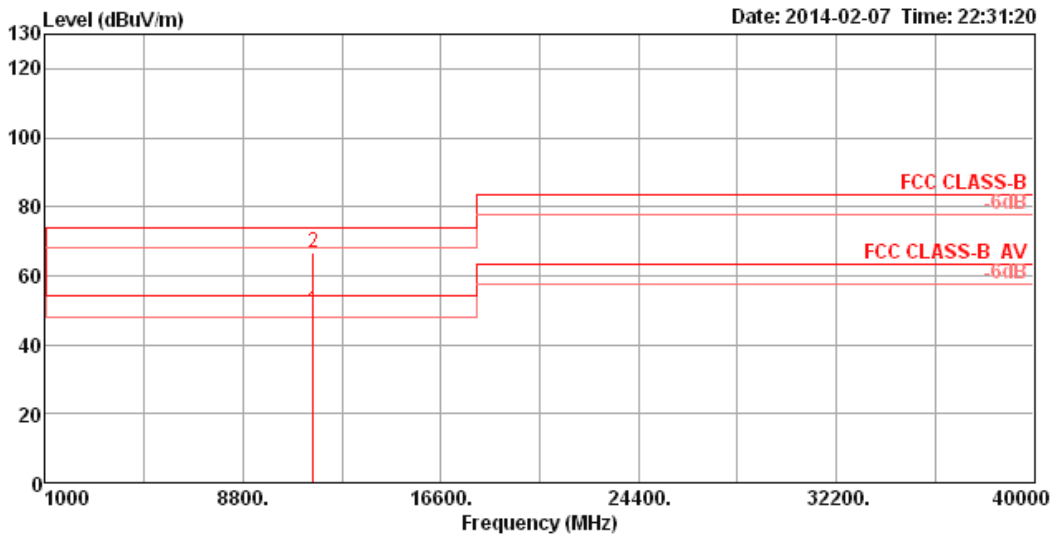
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 149 / Ant. 1 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11487.48 | 41.12 | 54.00 | -12.88 | 32.51 | 5.11 | 38.78 | 35.28 | Average | 100 | 172 | VERTICAL |
| 2 | 11495.92 | 57.44 | 74.00 | -16.56 | 48.82 | 5.12 | 38.78 | 35.28 | Peak | 100 | 172 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

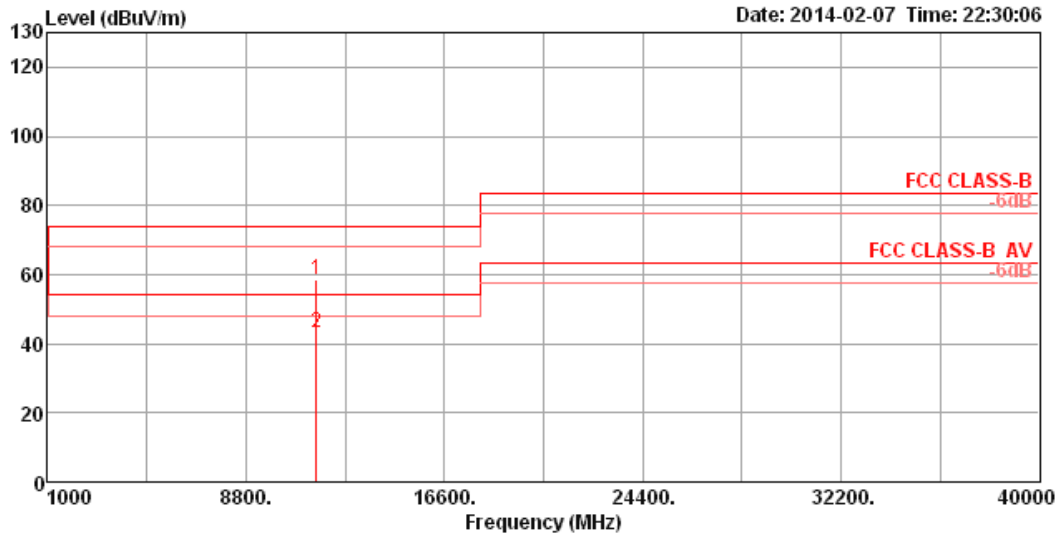
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 157 / Ant. 1 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11570.12 | 49.77 | 54.00 | -4.23 | 41.10 | 5.14 | 38.83 | 35.30 | Average | 100 | 183 | HORIZONTAL |
| 2 | 11575.92 | 66.68 | 74.00 | -7.32 | 58.01 | 5.14 | 38.83 | 35.30 | Peak | 100 | 183 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 157 / Ant. 1 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11568.36 | 58.32 | 74.00 | -15.68 | 49.66 | 5.13 | 38.83 | 35.30 | Peak | 100 | 80 | VERTICAL |
| 2 | 11569.92 | 43.25 | 54.00 | -10.75 | 34.58 | 5.14 | 38.83 | 35.30 | Average | 100 | 80 | VERTICAL |

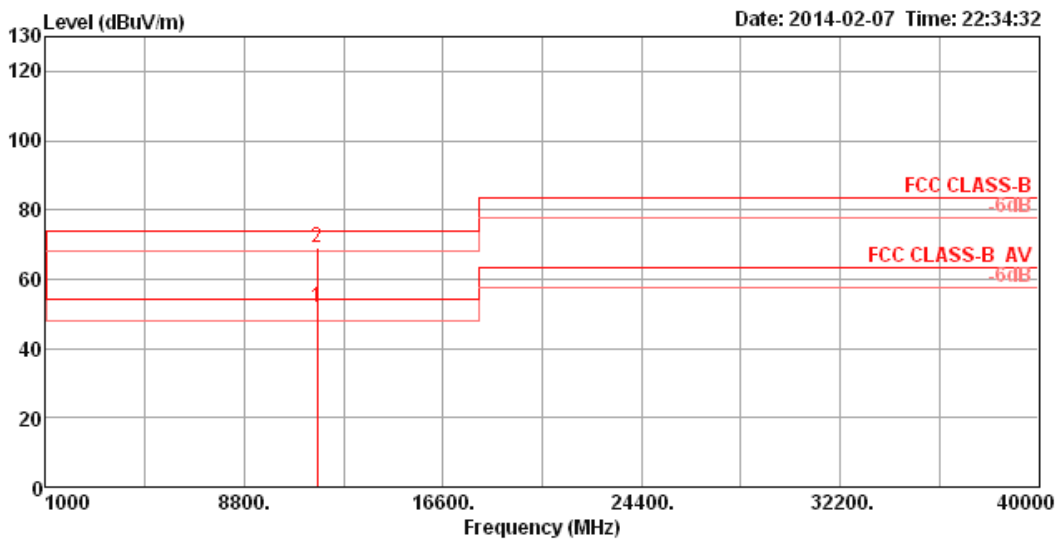
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 165 / Ant. 1 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|-------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11651.48 | 51.97 | 54.00 | -2.03 | 43.25 | 5.16 | 38.86 | 35.30 | Average | 100 | 181 | HORIZONTAL |
| 2 | 11655.96 | 68.95 | 74.00 | -5.05 | 60.23 | 5.16 | 38.86 | 35.30 | Peak | 100 | 181 | HORIZONTAL |

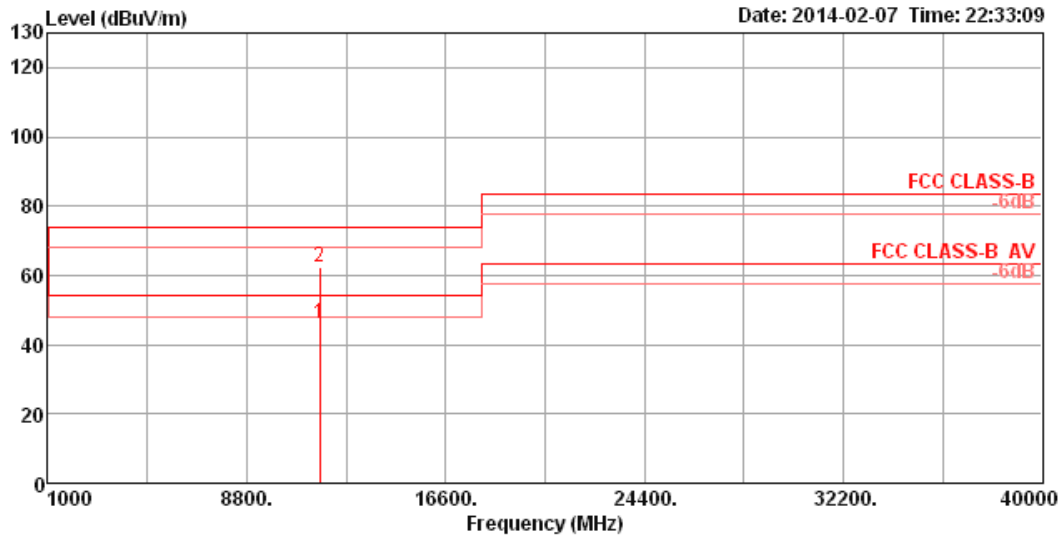
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBUV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 165 / Ant. 1 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11649.88 | 46.16 | 54.00 | -7.84 | 37.44 | 5.16 | 38.86 | 35.30 | Average | 129 | 172 | VERTICAL |
| 2 | 11655.76 | 62.33 | 74.00 | -11.67 | 53.61 | 5.16 | 38.86 | 35.30 | Peak | 129 | 172 | VERTICAL |

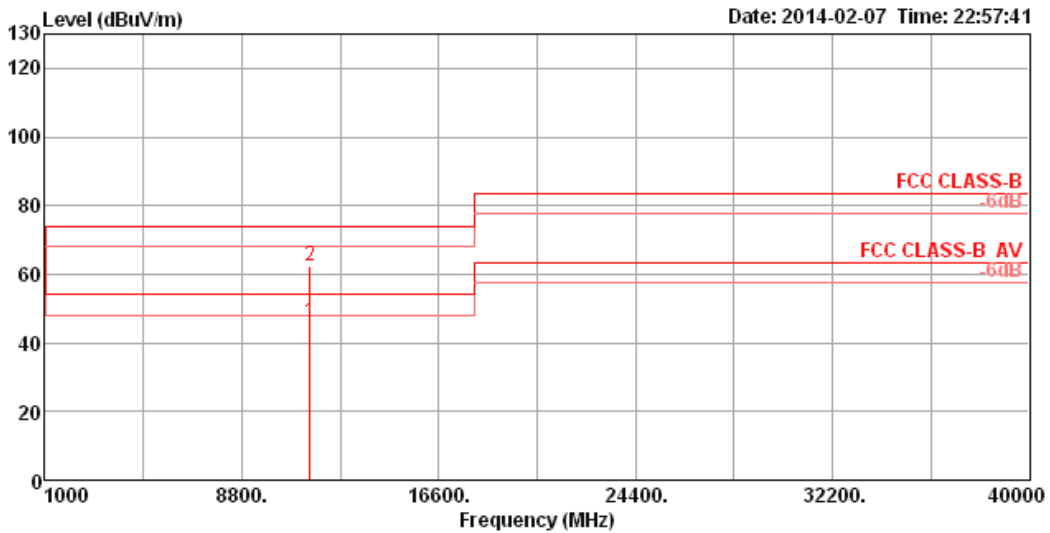
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

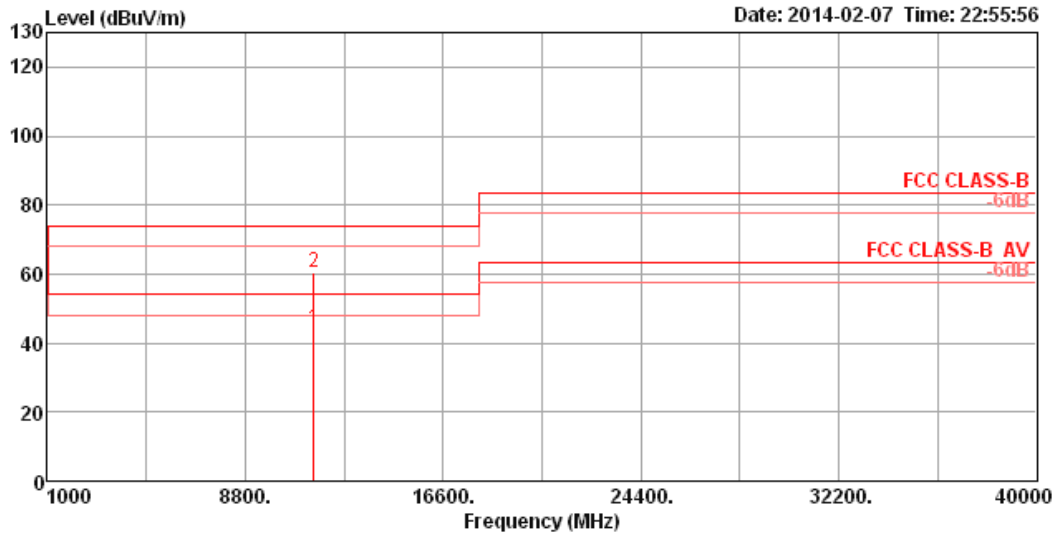
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 149 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Line | Limit | Level | CableAntenna Preamp | | | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|---------------------|--------|--------|---------|-------|-------|------------|
| | | | | | | Loss | Factor | Factor | | | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11487.60 | 46.02 | 54.00 | -7.98 | 37.41 | 5.11 | 38.78 | 35.28 | Average | 100 | 182 | HORIZONTAL |
| 2 | 11495.84 | 62.26 | 74.00 | -11.74 | 53.64 | 5.12 | 38.78 | 35.28 | Peak | 100 | 182 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

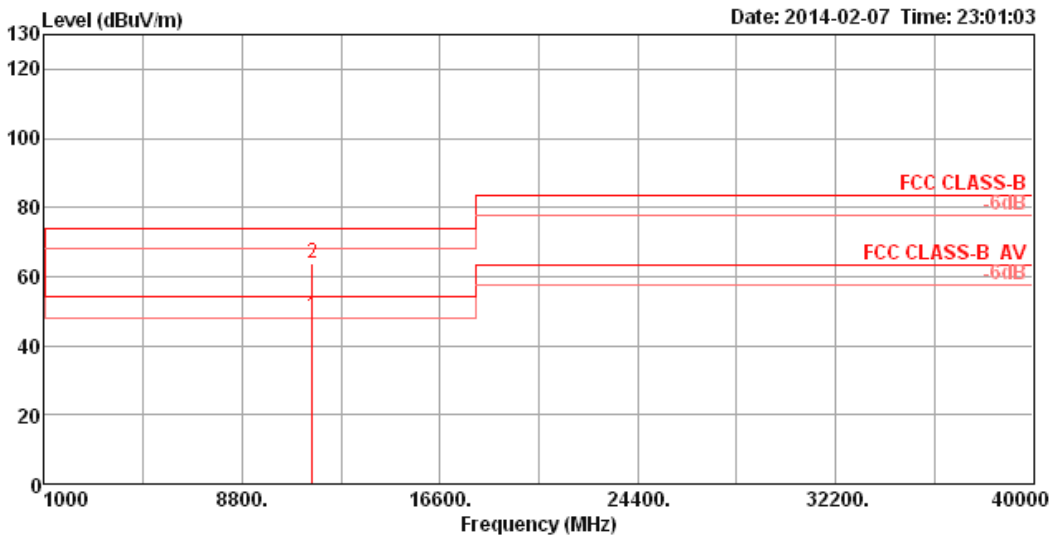
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 149 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11491.16 | 44.02 | 54.00 | -9.98 | 35.41 | 5.11 | 38.78 | 35.28 | Average | 100 | 169 | VERTICAL |
| 2 | 11495.76 | 60.55 | 74.00 | -13.45 | 51.93 | 5.12 | 38.78 | 35.28 | Peak | 100 | 169 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

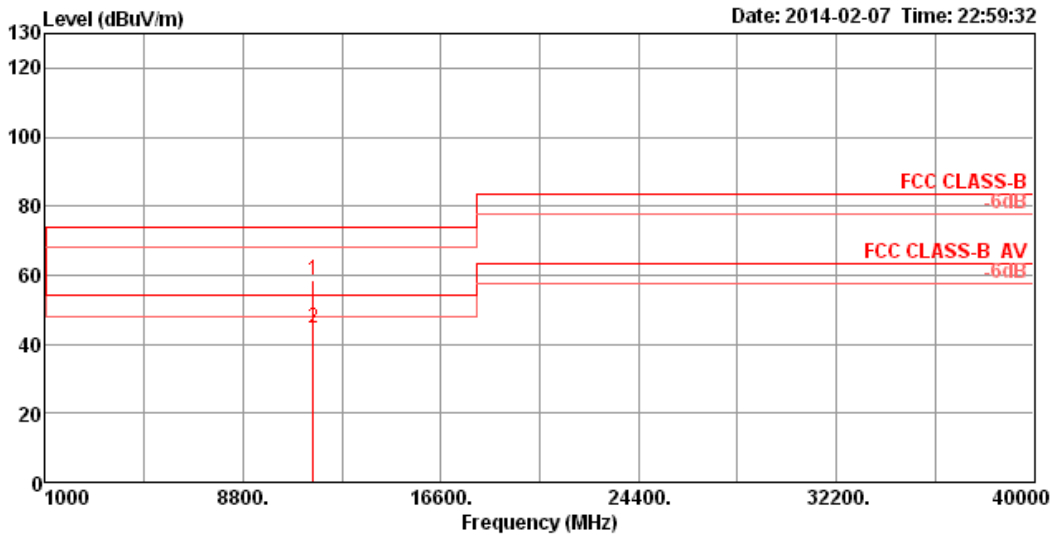
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 157 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11568.52 | 48.68 | 54.00 | -5.32 | 40.02 | 5.13 | 38.83 | 35.30 | Average | 102 | 179 | HORIZONTAL |
| 2 | 11573.28 | 63.92 | 74.00 | -10.08 | 55.25 | 5.14 | 38.83 | 35.30 | Peak | 102 | 179 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 157 / Ant. 1+2+3 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11572.44 | 58.65 | 74.00 | -15.35 | 49.98 | 5.14 | 38.83 | 35.30 | Peak | 100 | 174 | VERTICAL |
| 2 | 11572.92 | 44.52 | 54.00 | -9.48 | 35.85 | 5.14 | 38.83 | 35.30 | Average | 100 | 174 | VERTICAL |

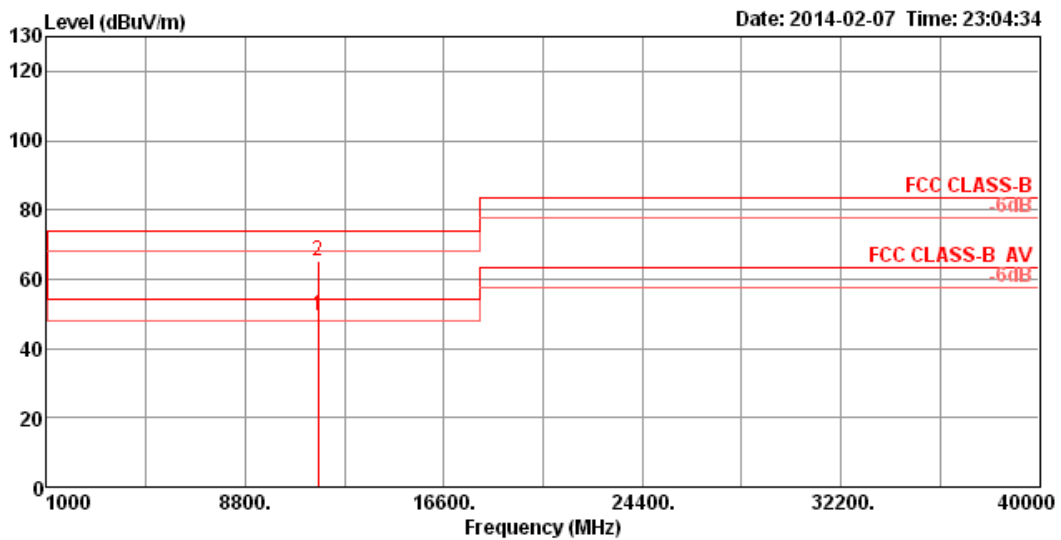
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 165 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|-------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11652.92 | 49.22 | 54.00 | -4.78 | 40.50 | 5.16 | 38.86 | 35.30 | Average | 100 | 183 | HORIZONTAL |
| 2 | 11655.96 | 65.31 | 74.00 | -8.69 | 56.59 | 5.16 | 38.86 | 35.30 | Peak | 100 | 183 | HORIZONTAL |

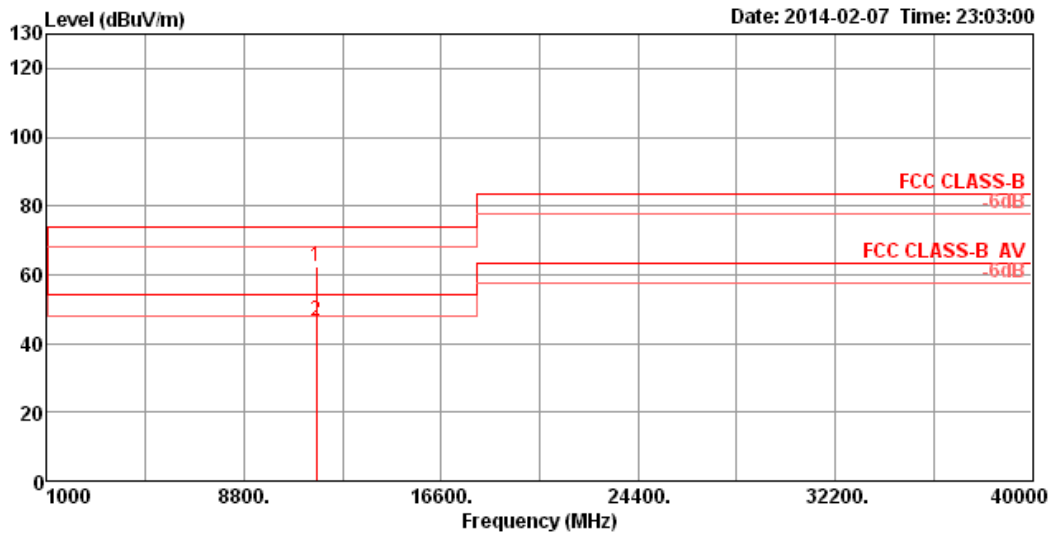
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBUV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

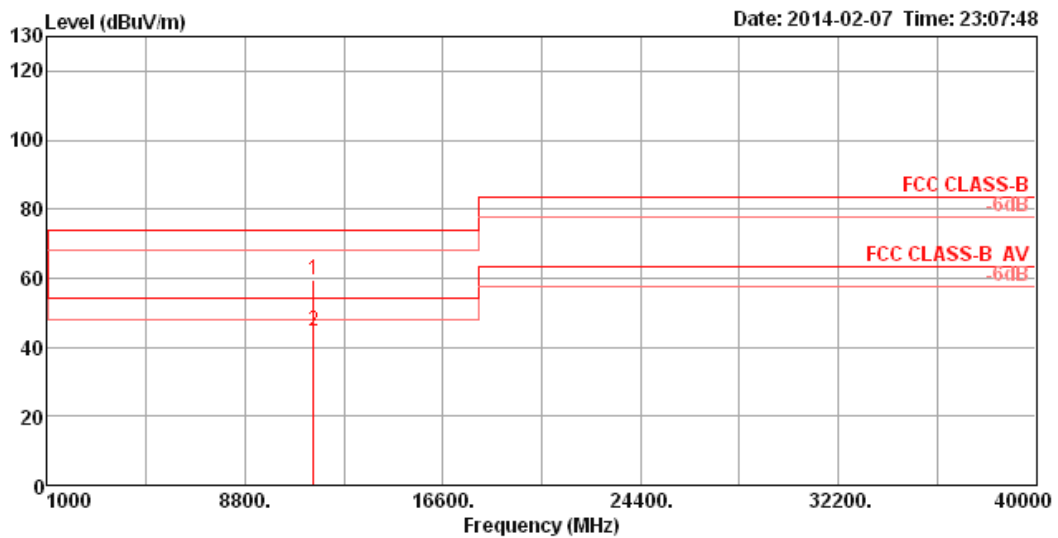
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 165 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11651.68 | 62.58 | 74.00 | -11.42 | 53.86 | 5.16 | 38.86 | 35.30 | Peak | 100 | 169 | VERTICAL |
| 2 | 11652.12 | 46.58 | 54.00 | -7.42 | 37.86 | 5.16 | 38.86 | 35.30 | Average | 100 | 169 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 149 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11489.12 | 59.34 | 74.00 | -14.66 | 50.73 | 5.11 | 38.78 | 35.28 | Peak | 100 | 183 | HORIZONTAL |
| 2 | 11490.32 | 44.43 | 54.00 | -9.57 | 35.82 | 5.11 | 38.78 | 35.28 | Average | 100 | 183 | HORIZONTAL |

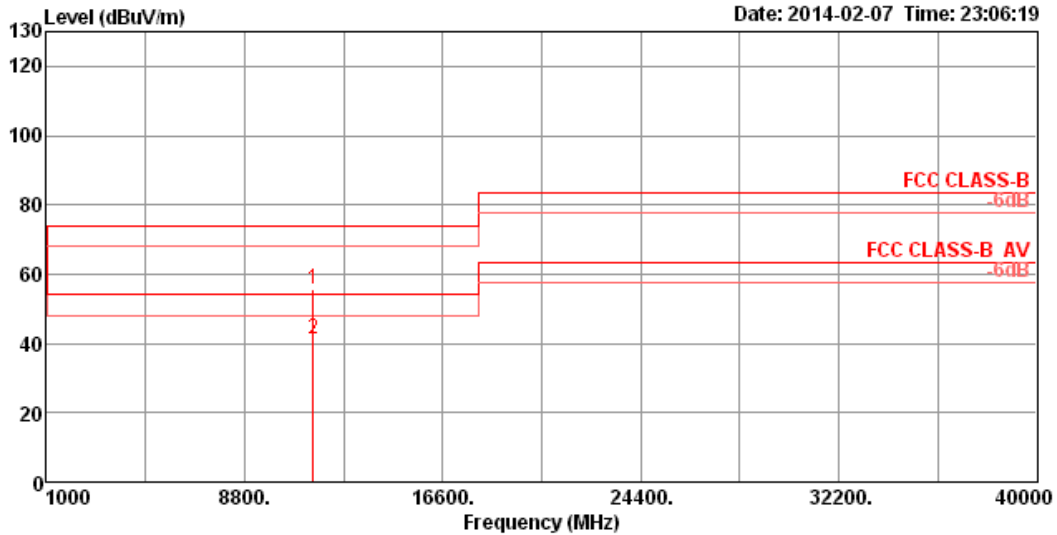
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

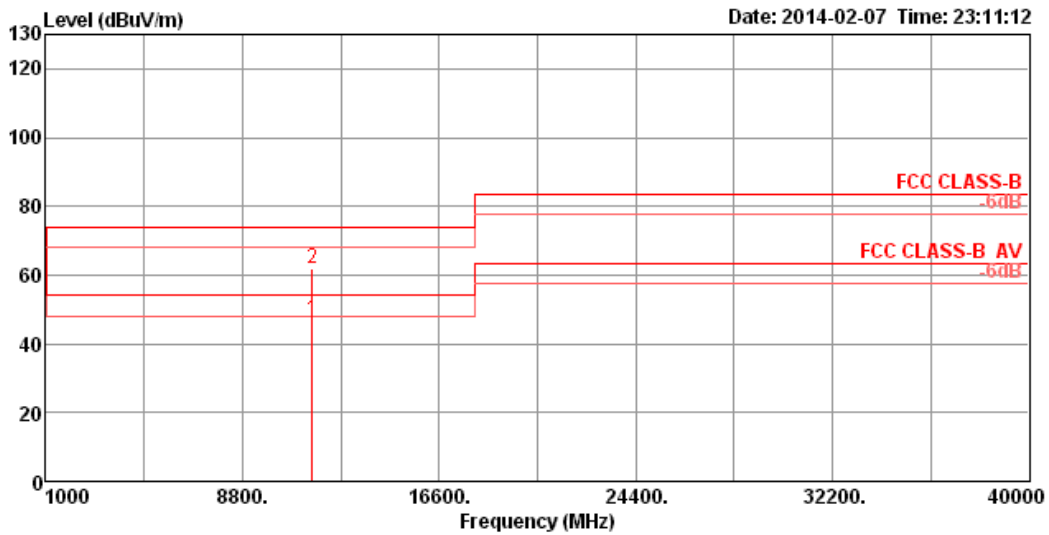
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 149 / Ant. 1+2+3 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11487.80 | 55.87 | 74.00 | -18.13 | 47.26 | 5.11 | 38.78 | 35.28 | Peak | 100 | 171 | VERTICAL |
| 2 | 11490.48 | 41.33 | 54.00 | -12.67 | 32.72 | 5.11 | 38.78 | 35.28 | Average | 100 | 171 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

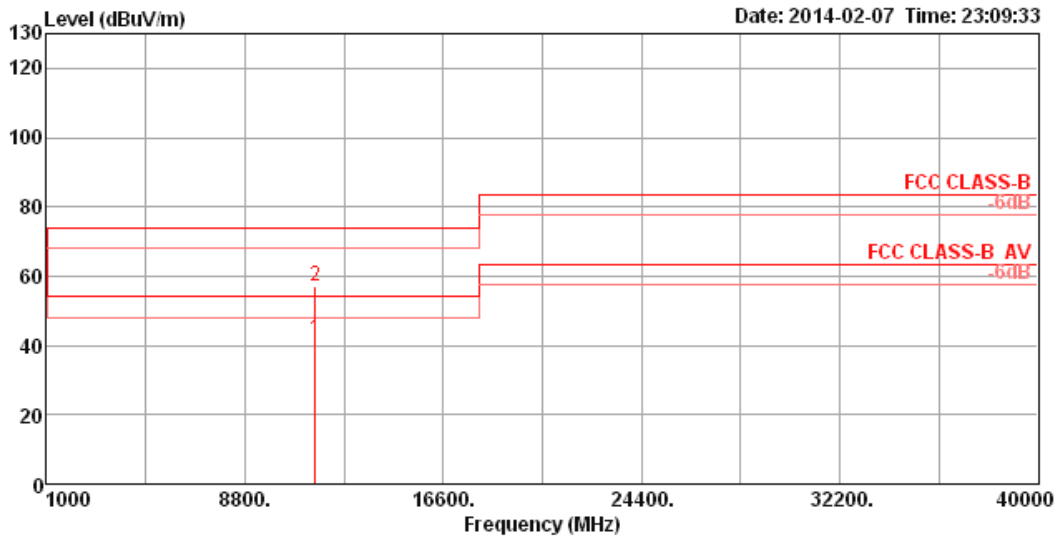
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 157 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11570.28 | 46.87 | 54.00 | -7.13 | 38.20 | 5.14 | 38.83 | 35.30 | Average | 100 | 181 | HORIZONTAL |
| 2 | 11578.88 | 61.76 | 74.00 | -12.24 | 53.09 | 5.14 | 38.83 | 35.30 | Peak | 100 | 181 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

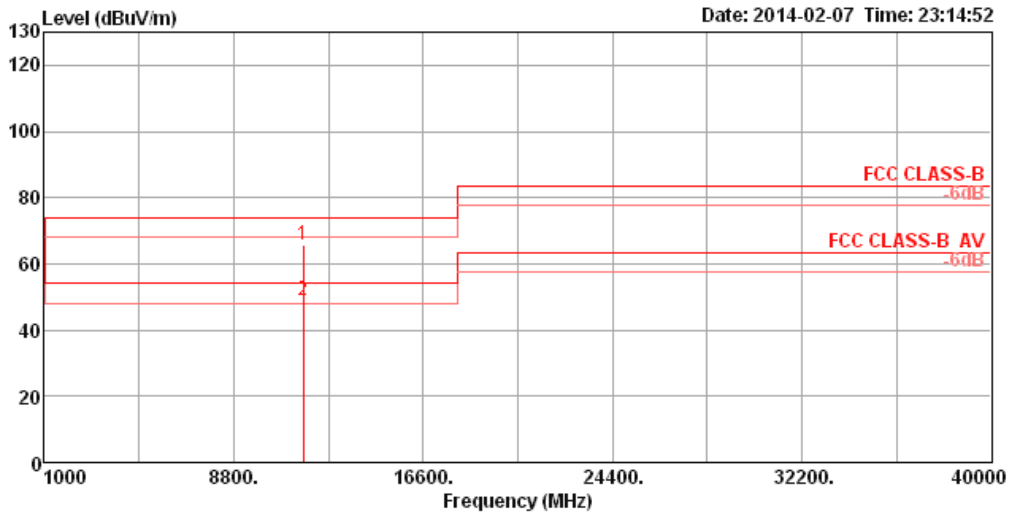
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 157 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11570.00 | 41.89 | 54.00 | -12.11 | 33.22 | 5.14 | 38.83 | 35.30 | Average | 100 | 173 | VERTICAL |
| 2 | 11570.04 | 56.95 | 74.00 | -17.05 | 48.28 | 5.14 | 38.83 | 35.30 | Peak | 100 | 173 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

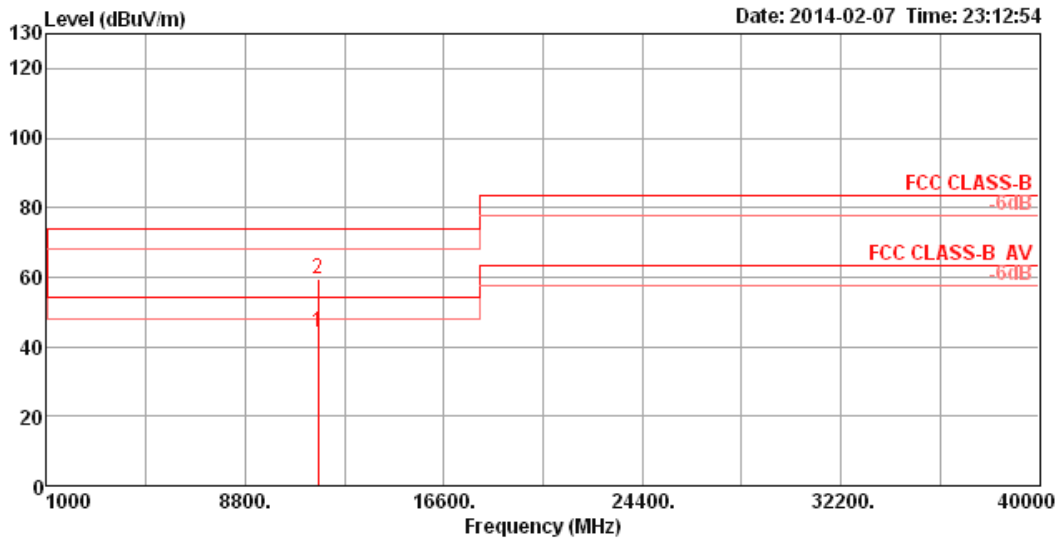
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 165 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|-------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11649.96 | 65.86 | 74.00 | -8.14 | 57.14 | 5.16 | 38.86 | 35.30 | Peak | 100 | 183 | HORIZONTAL |
| 2 | 11650.20 | 48.91 | 54.00 | -5.09 | 40.19 | 5.16 | 38.86 | 35.30 | Average | 100 | 183 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

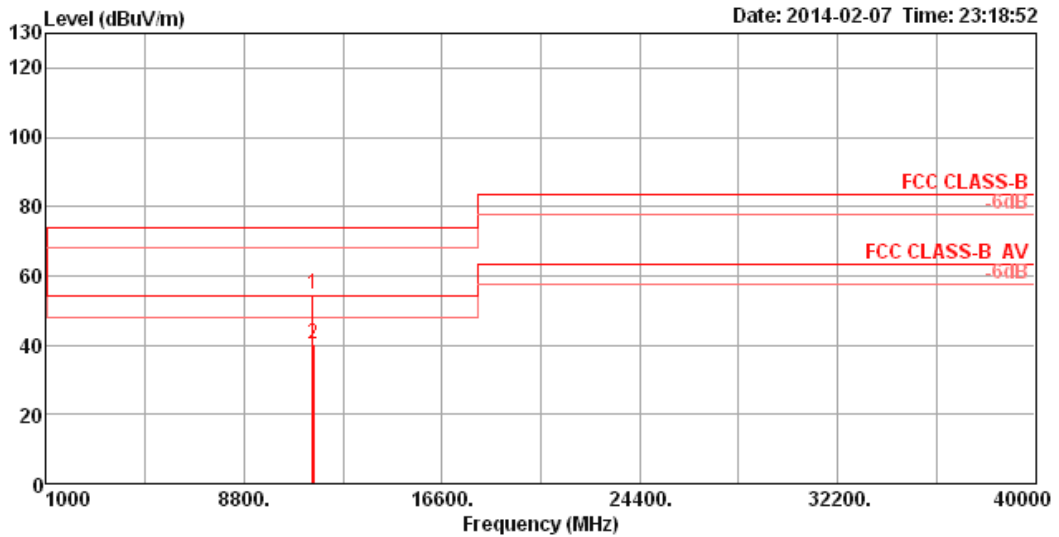
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 165 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11650.00 | 44.20 | 54.00 | -9.80 | 35.48 | 5.16 | 38.86 | 35.30 | Average | 100 | 172 | VERTICAL |
| 2 | 11657.80 | 59.46 | 74.00 | -14.54 | 50.74 | 5.16 | 38.86 | 35.30 | Peak | 100 | 172 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 151 / Ant. 1 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11510.88 | 54.47 | 74.00 | -19.53 | 45.84 | 5.12 | 38.79 | 35.28 | Peak | 100 | 183 | HORIZONTAL |
| 2 | 11517.60 | 40.14 | 54.00 | -13.86 | 31.51 | 5.12 | 38.80 | 35.29 | Average | 100 | 183 | HORIZONTAL |

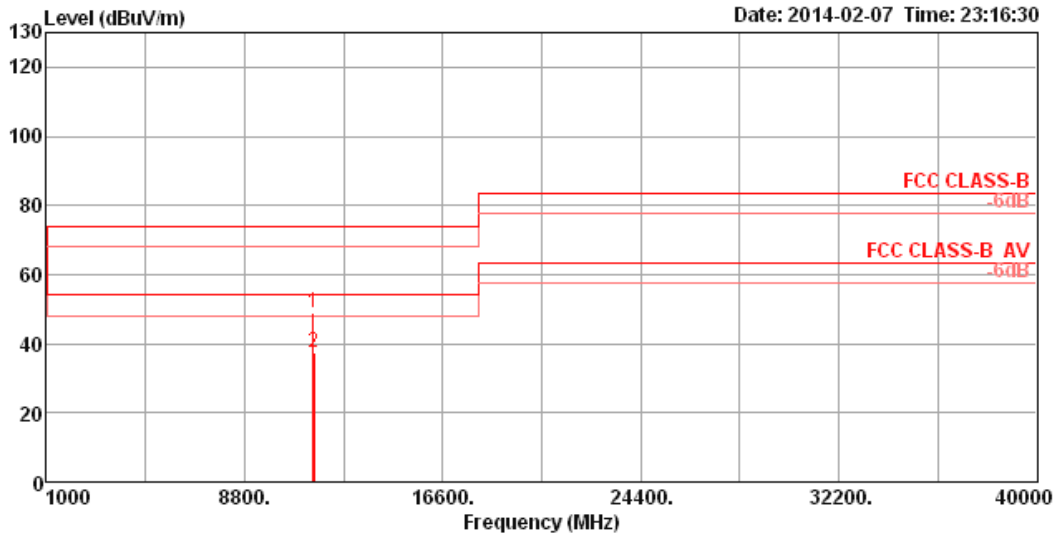
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

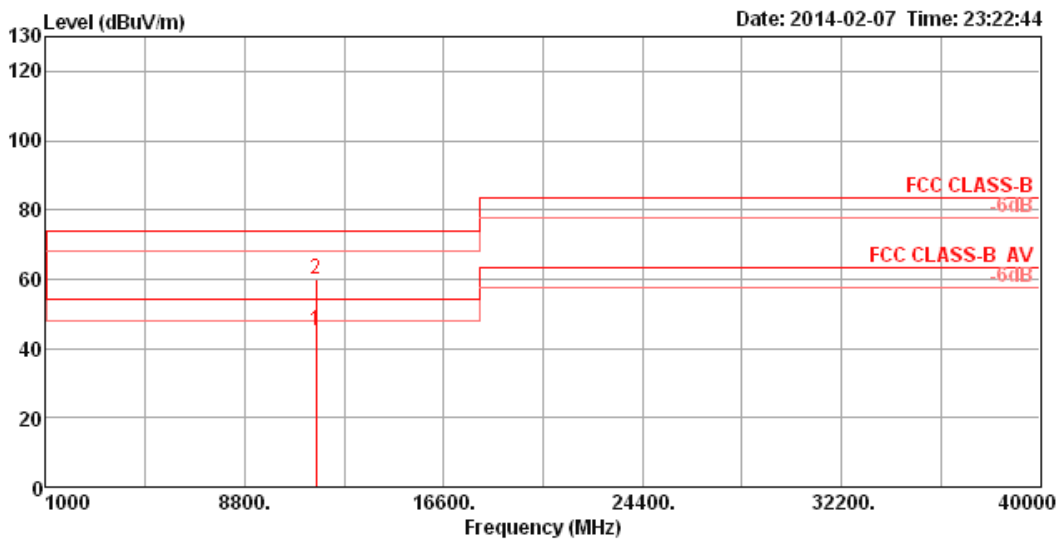
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 151 / Ant. 1 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11504.32 | 49.08 | 74.00 | -24.92 | 40.45 | 5.12 | 38.79 | 35.28 | Peak | 100 | 56 | VERTICAL |
| 2 | 11517.92 | 37.29 | 54.00 | -16.71 | 28.66 | 5.12 | 38.80 | 35.29 | Average | 100 | 56 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

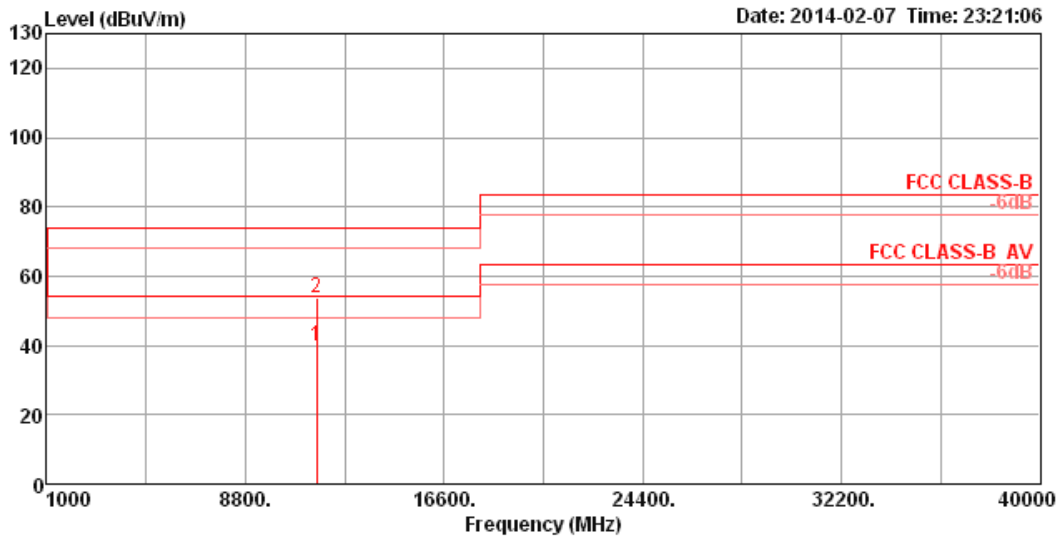
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 159 / Ant. 1 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11588.88 | 44.94 | 54.00 | -9.06 | 36.27 | 5.14 | 38.83 | 35.30 | Average | 101 | 182 | HORIZONTAL |
| 2 | 11598.40 | 60.02 | 74.00 | -13.98 | 51.34 | 5.15 | 38.83 | 35.30 | Peak | 101 | 182 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 159 / Ant. 1 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11587.36 | 40.00 | 54.00 | -14.00 | 31.33 | 5.14 | 38.83 | 35.30 | Average | 100 | 253 | VERTICAL |
| 2 | 11587.60 | 53.66 | 74.00 | -20.34 | 44.99 | 5.14 | 38.83 | 35.30 | Peak | 100 | 253 | VERTICAL |

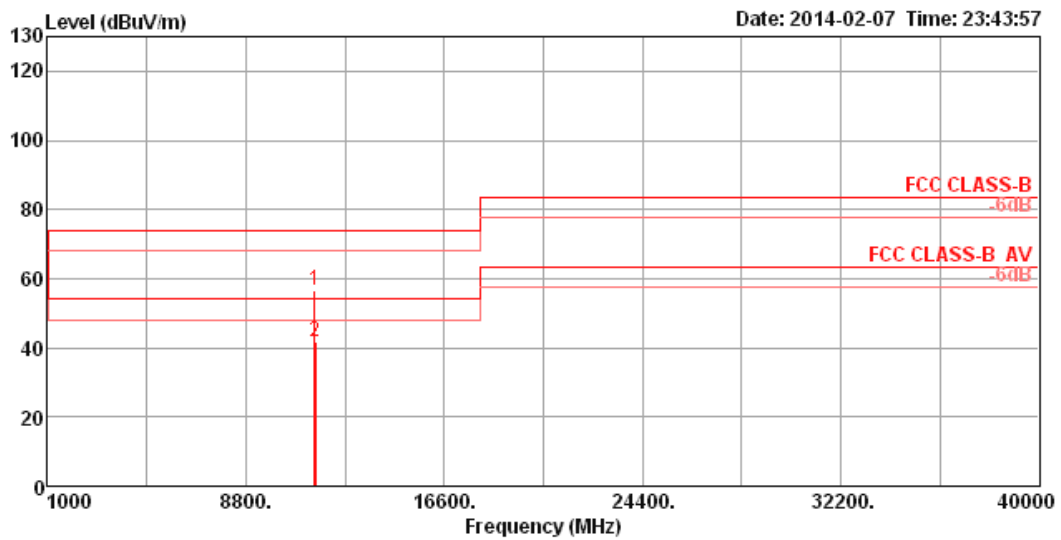
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

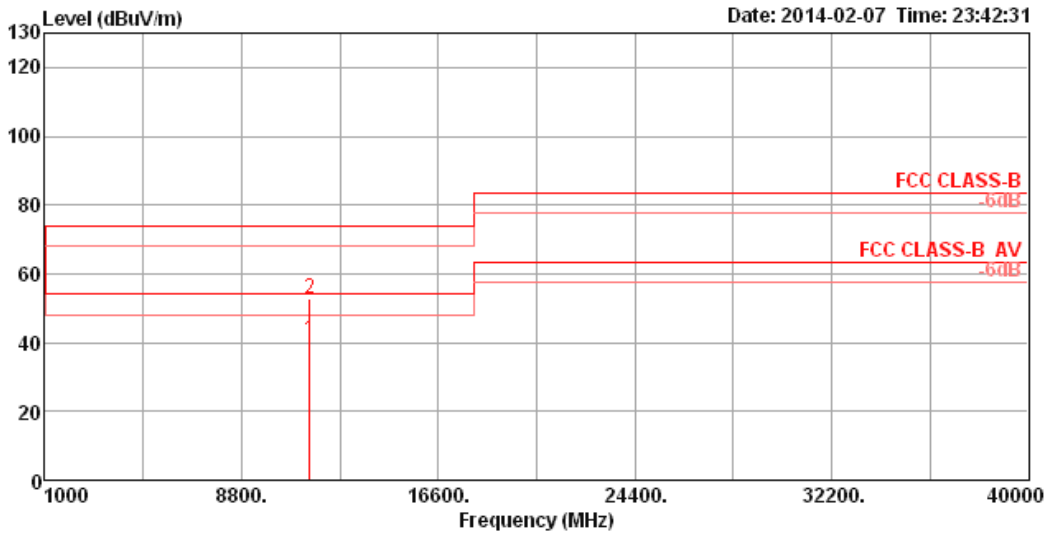
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 151 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11492.56 | 56.59 | 74.00 | -17.41 | 47.98 | 5.11 | 38.78 | 35.28 | Peak | 100 | 179 | HORIZONTAL |
| 2 | 11517.68 | 41.55 | 54.00 | -12.45 | 32.92 | 5.12 | 38.80 | 35.29 | Average | 100 | 179 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

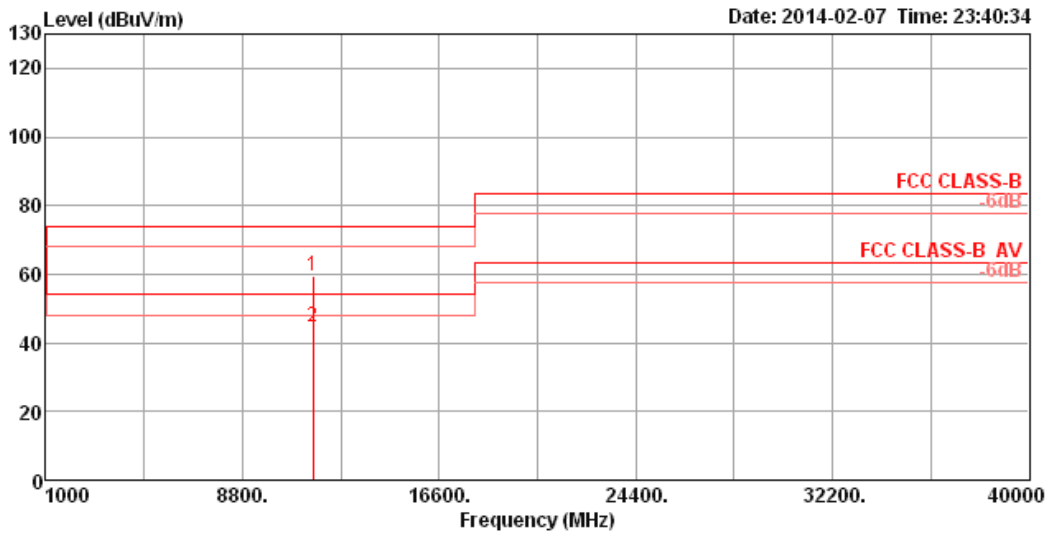
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 151 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11510.16 | 40.61 | 54.00 | -13.39 | 31.98 | 5.12 | 38.79 | 35.28 | Average | 100 | 83 | VERTICAL |
| 2 | 11510.48 | 52.84 | 74.00 | -21.16 | 44.21 | 5.12 | 38.79 | 35.28 | Peak | 100 | 83 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

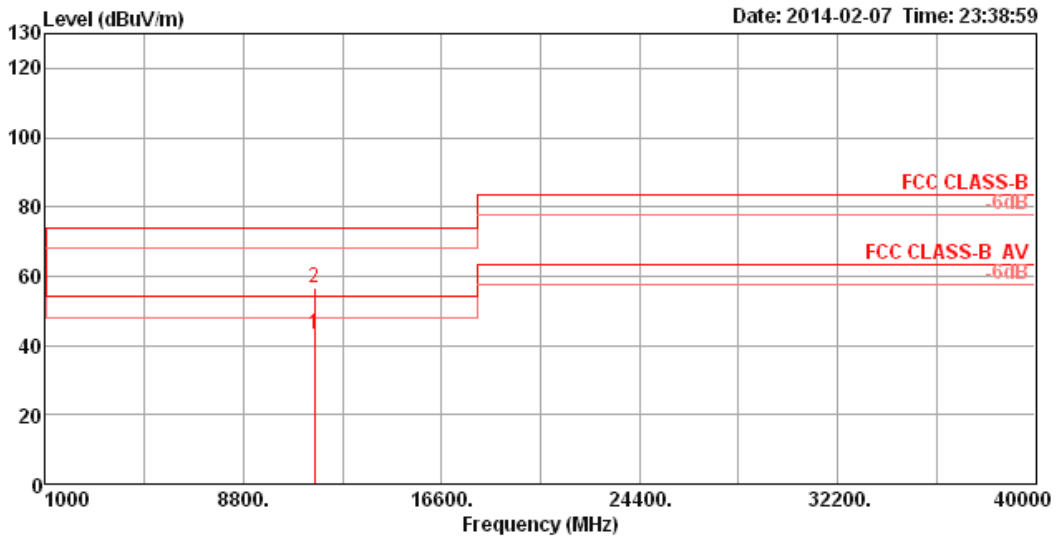
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 159 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11583.84 | 59.41 | 74.00 | -14.59 | 50.74 | 5.14 | 38.83 | 35.30 | Peak | 100 | 185 | HORIZONTAL |
| 2 | 11593.04 | 44.50 | 54.00 | -9.50 | 35.83 | 5.14 | 38.83 | 35.30 | Average | 100 | 185 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

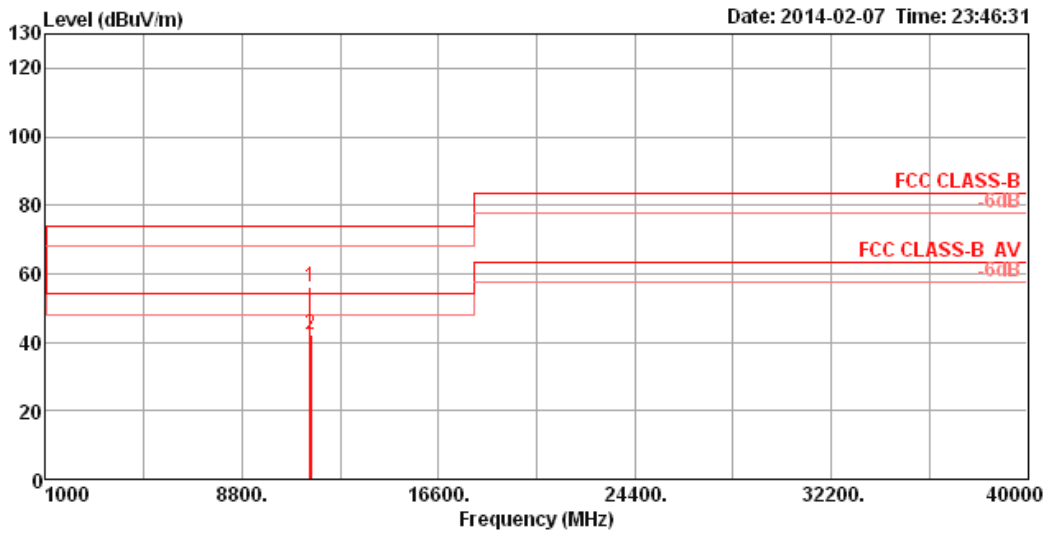
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 159 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11591.76 | 43.02 | 54.00 | -10.98 | 34.35 | 5.14 | 38.83 | 35.30 | Average | 100 | 167 | VERTICAL |
| 2 | 11601.44 | 56.57 | 74.00 | -17.43 | 47.89 | 5.15 | 38.83 | 35.30 | Peak | 100 | 167 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

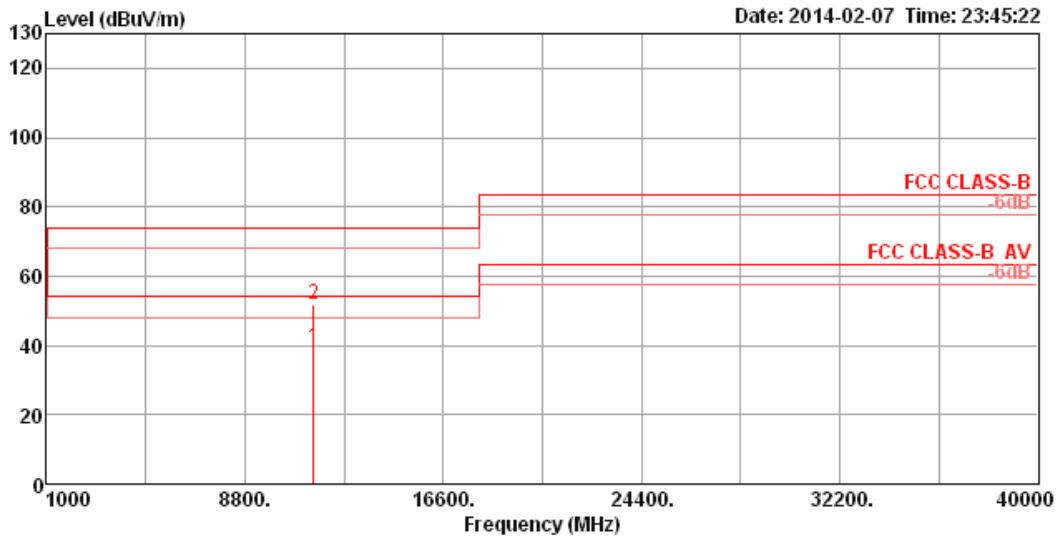
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss2MCS0 CH 151 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11510.00 | 56.21 | 74.00 | -17.79 | 47.58 | 5.12 | 38.79 | 35.28 | Peak | 100 | 181 | HORIZONTAL |
| 2 | 11517.76 | 42.38 | 54.00 | -11.62 | 33.75 | 5.12 | 38.80 | 35.29 | Average | 100 | 181 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

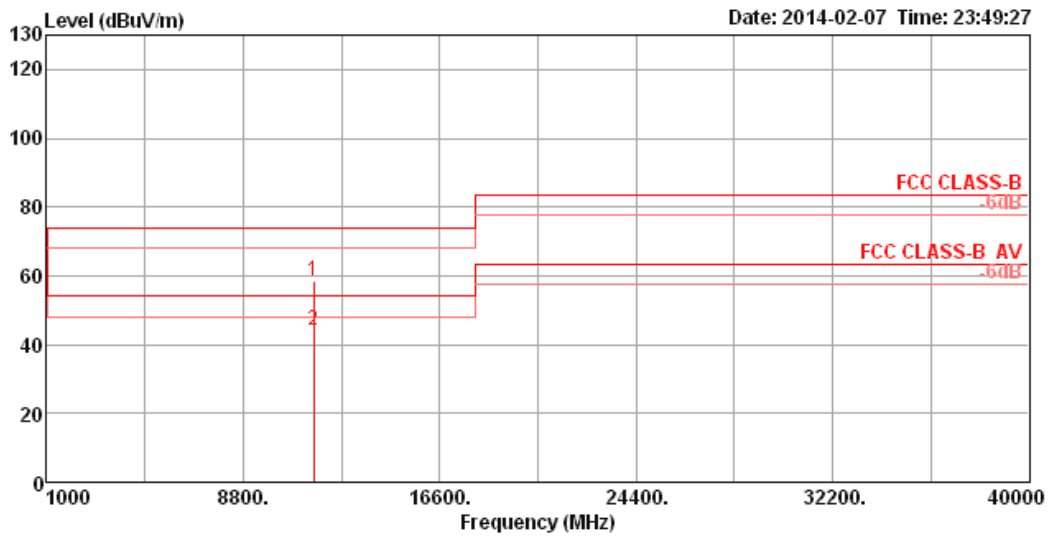
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 40MHz Nss2MCS0 CH 151 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11508.64 | 39.42 | 54.00 | -14.58 | 30.79 | 5.12 | 38.79 | 35.28 | Average | 100 | 169 | VERTICAL |
| 2 | 11509.28 | 51.75 | 74.00 | -22.25 | 43.12 | 5.12 | 38.79 | 35.28 | Peak | 100 | 169 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

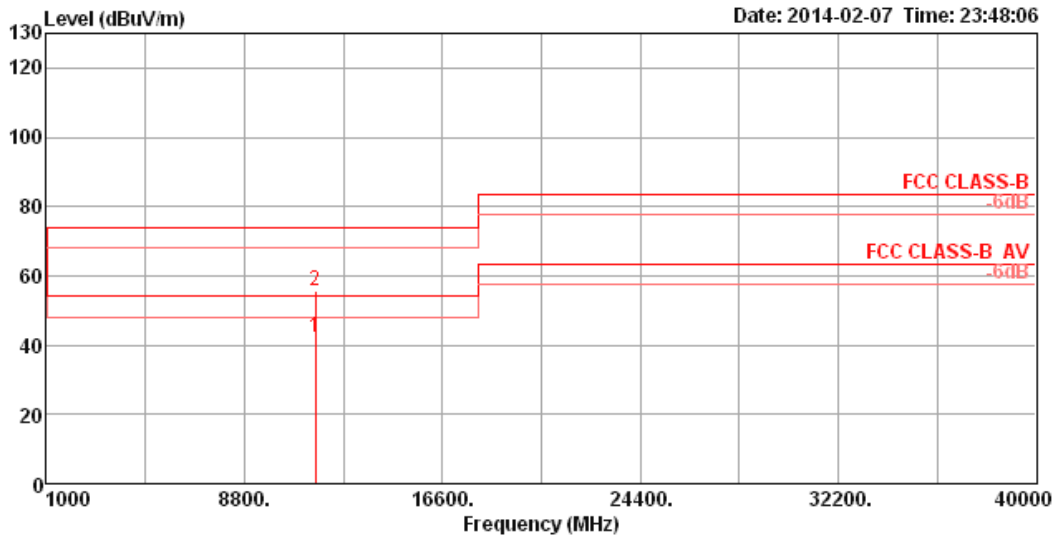
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss2MCS0 CH 159 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11589.76 | 58.33 | 74.00 | -15.67 | 49.66 | 5.14 | 38.83 | 35.30 | Peak | 100 | 183 | HORIZONTAL |
| 2 | 11590.16 | 44.19 | 54.00 | -9.81 | 35.52 | 5.14 | 38.83 | 35.30 | Average | 100 | 183 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

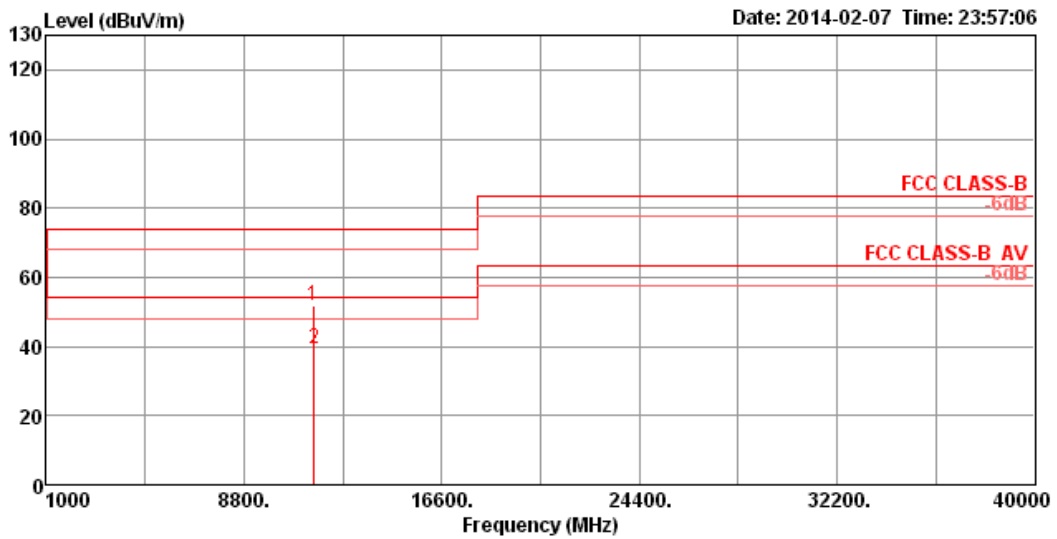
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 40MHz Nss2MCS0 CH 159 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11588.80 | 42.09 | 54.00 | -11.91 | 33.42 | 5.14 | 38.83 | 35.30 | Average | 100 | 167 | VERTICAL |
| 2 | 11601.28 | 55.50 | 74.00 | -18.50 | 46.82 | 5.15 | 38.83 | 35.30 | Peak | 100 | 167 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

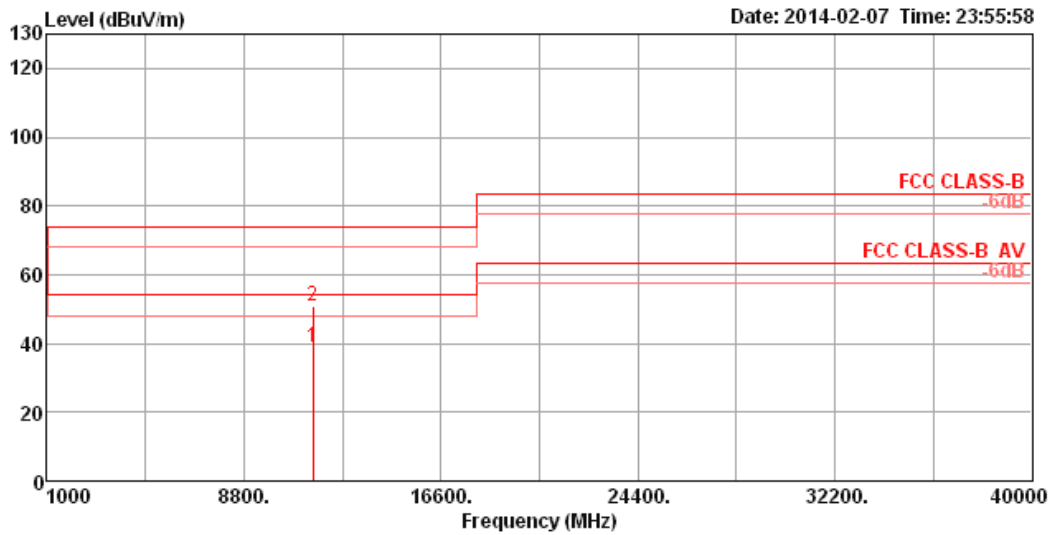
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 80MHz Nss1MCS0 CH 155 / Ant. 3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11546.48 | 51.84 | 74.00 | -22.16 | 43.20 | 5.13 | 38.81 | 35.30 | Peak | 100 | 79 | HORIZONTAL |
| 2 | 11549.20 | 39.49 | 54.00 | -14.51 | 30.85 | 5.13 | 38.81 | 35.30 | Average | 100 | 79 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

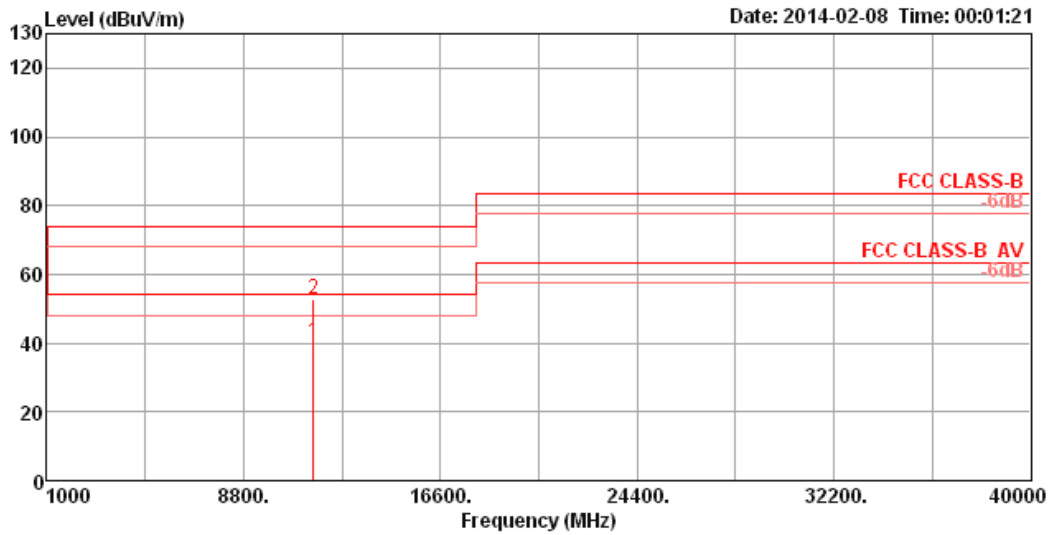
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 80MHz Nss1MCS0 CH 155 / Ant. 3 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11539.44 | 38.67 | 54.00 | -15.33 | 30.02 | 5.13 | 38.81 | 35.29 | Average | 100 | 165 | VERTICAL |
| 2 | 11541.20 | 50.68 | 74.00 | -23.32 | 42.04 | 5.13 | 38.81 | 35.30 | Peak | 100 | 165 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

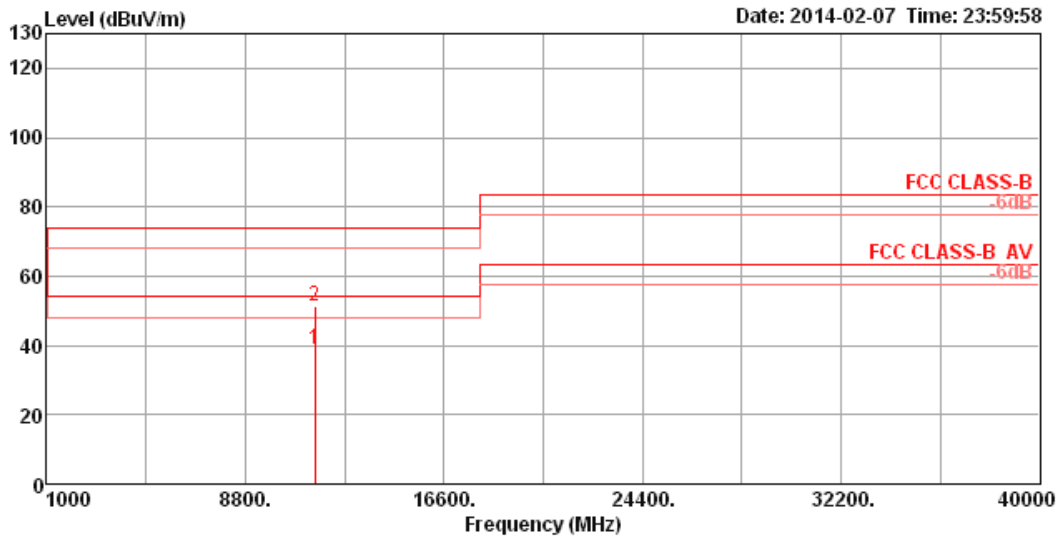
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 80MHz Nss1MCS0 CH 155 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11568.88 | 40.26 | 54.00 | -13.74 | 31.60 | 5.13 | 38.83 | 35.30 | Average | 100 | 179 | HORIZONTAL |
| 2 | 11568.88 | 52.73 | 74.00 | -21.27 | 44.07 | 5.13 | 38.83 | 35.30 | Peak | 100 | 179 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 80MHz Nss1MCS0 CH 155 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11542.80 | 39.04 | 54.00 | -14.96 | 30.40 | 5.13 | 38.81 | 35.30 | Average | 100 | 165 | VERTICAL |
| 2 | 11546.96 | 51.40 | 74.00 | -22.60 | 42.76 | 5.13 | 38.81 | 35.30 | Peak | 100 | 165 | VERTICAL |

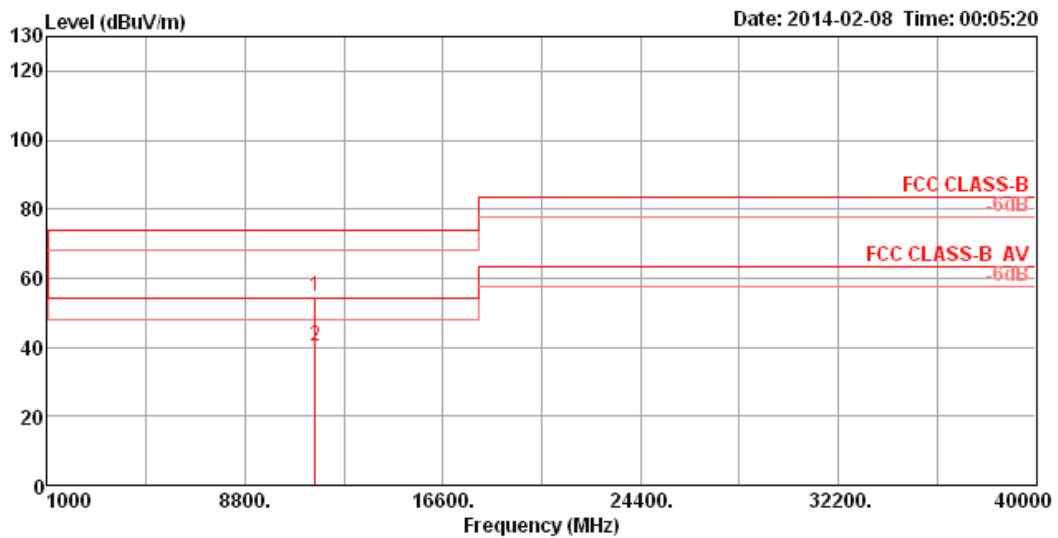
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 80MHz Nss2MCS0 CH 155 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11566.96 | 54.49 | 74.00 | -19.51 | 45.84 | 5.13 | 38.82 | 35.30 | Peak | 100 | 185 | HORIZONTAL |
| 2 | 11568.72 | 40.24 | 54.00 | -13.76 | 31.58 | 5.13 | 38.83 | 35.30 | Average | 100 | 185 | HORIZONTAL |

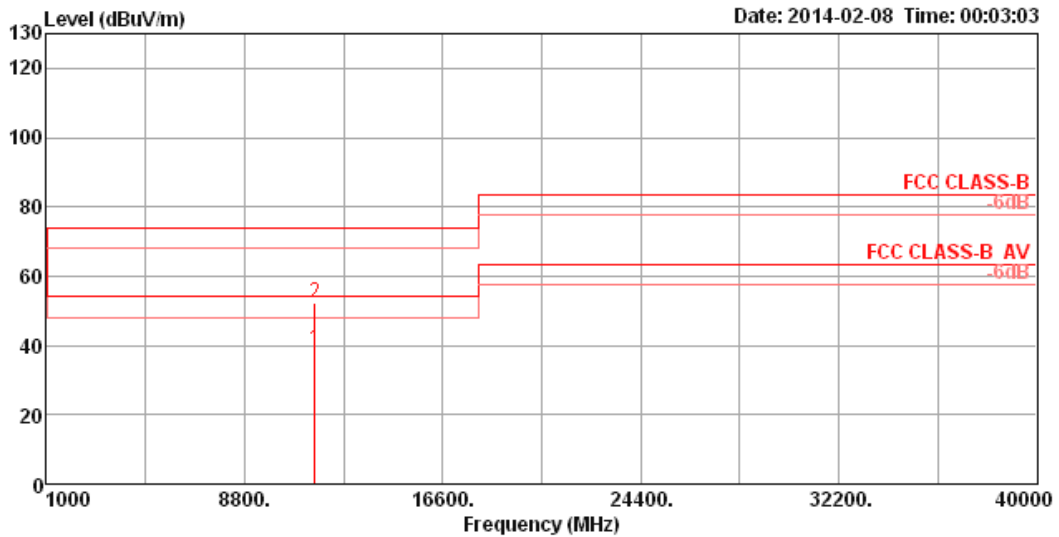
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 80MHz Nss2MCS0 CH 155 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11550.00 | 39.03 | 54.00 | -14.97 | 30.39 | 5.13 | 38.81 | 35.30 | Average | 100 | 170 | VERTICAL |
| 2 | 11551.12 | 52.29 | 74.00 | -21.71 | 43.64 | 5.13 | 38.82 | 35.30 | Peak | 100 | 170 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

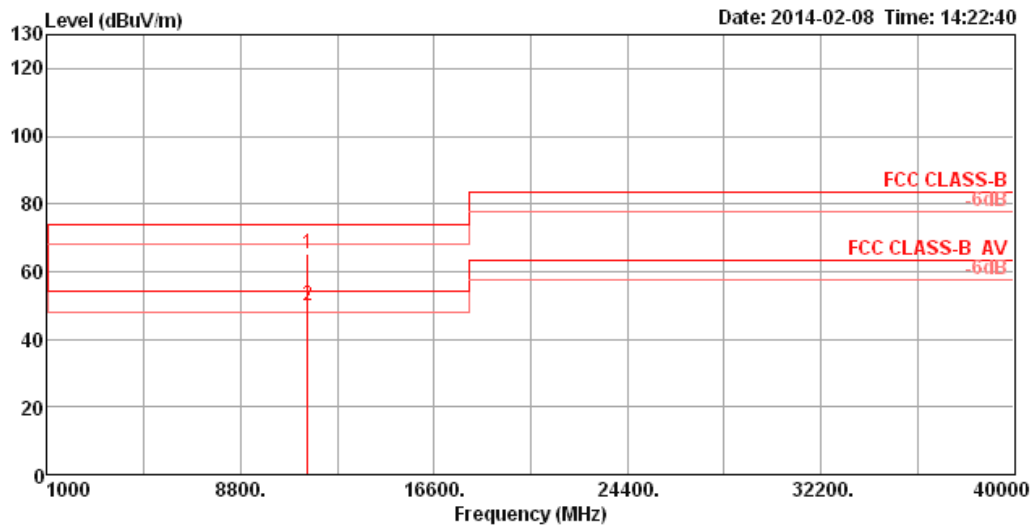
Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

For Beamforming

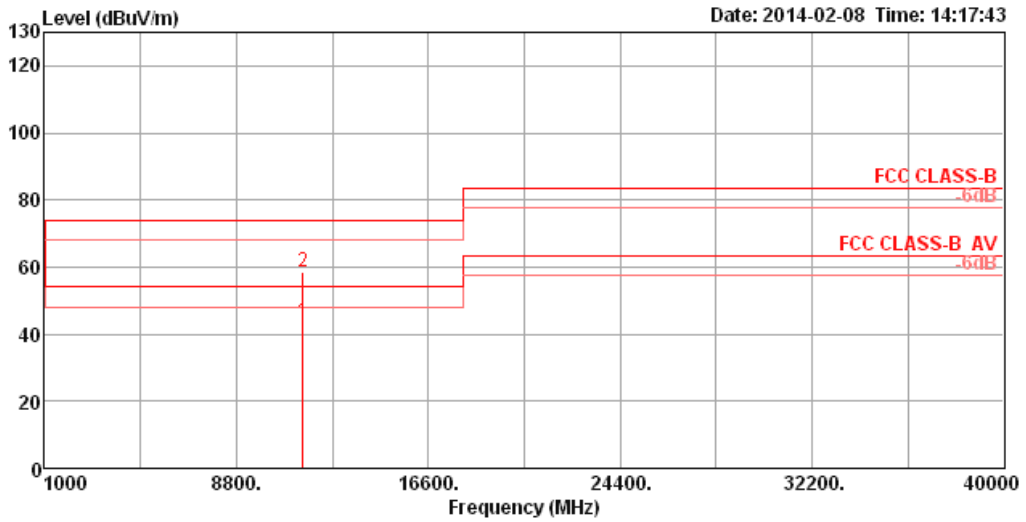
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 149 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|-------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11489.36 | 65.46 | 74.00 | -8.54 | 56.85 | 5.11 | 38.78 | 35.28 | Peak | 100 | 180 | HORIZONTAL |
| 2 | 11490.00 | 49.79 | 54.00 | -4.21 | 41.18 | 5.11 | 38.78 | 35.28 | Average | 100 | 180 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

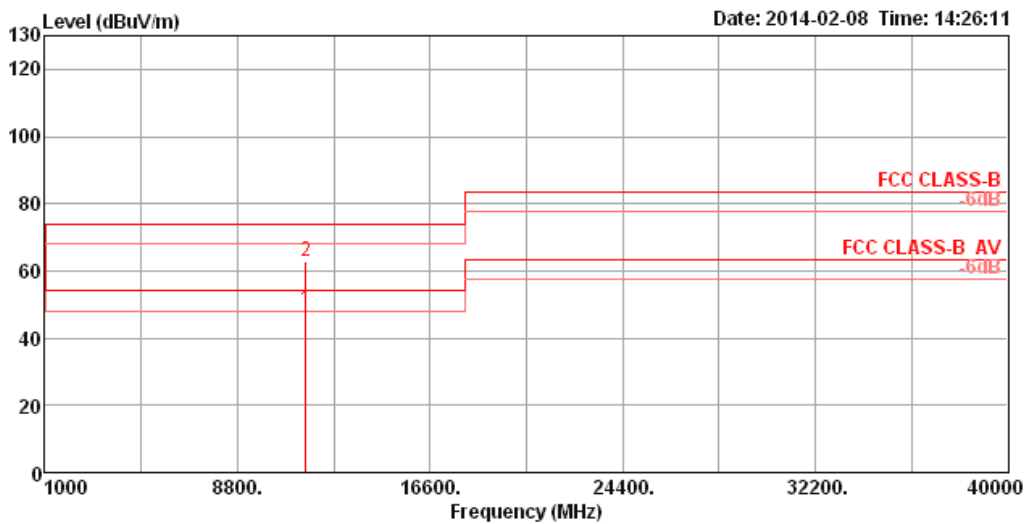
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 149 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11490.00 | 43.55 | 54.00 | -10.45 | 34.94 | 5.11 | 38.78 | 35.28 | Average | 100 | 168 | VERTICAL |
| 2 | 11491.60 | 58.72 | 74.00 | -15.28 | 50.11 | 5.11 | 38.78 | 35.28 | Peak | 100 | 168 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

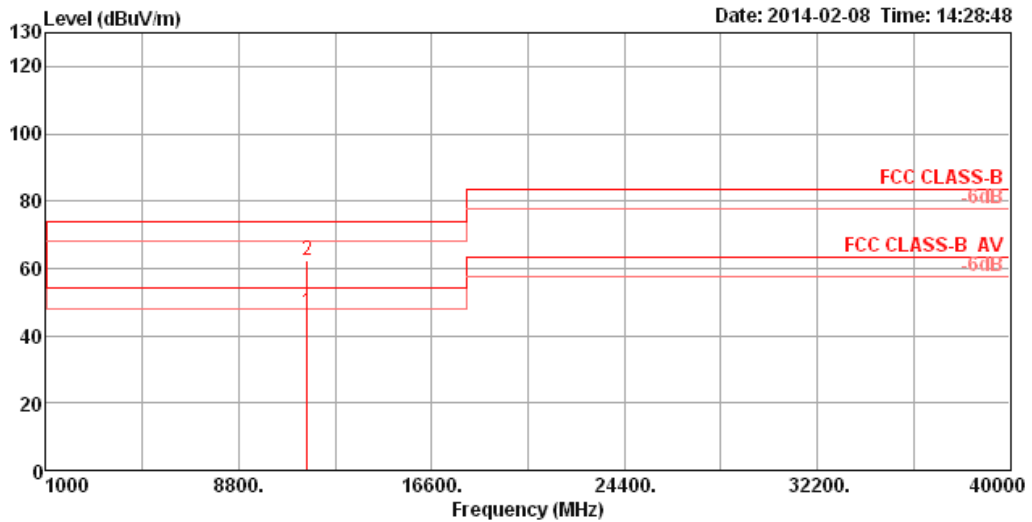
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 157 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBUV/m | dBUV/m | dB | dBUV | dB | dB/m | dB | | cm | deg | |
| 1 | 11569.04 | 48.39 | 54.00 | -5.61 | 39.73 | 5.13 | 38.83 | 35.30 | Average | 100 | 185 | HORIZONTAL |
| 2 | 11571.36 | 63.04 | 74.00 | -10.96 | 54.37 | 5.14 | 38.83 | 35.30 | Peak | 100 | 185 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBUV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

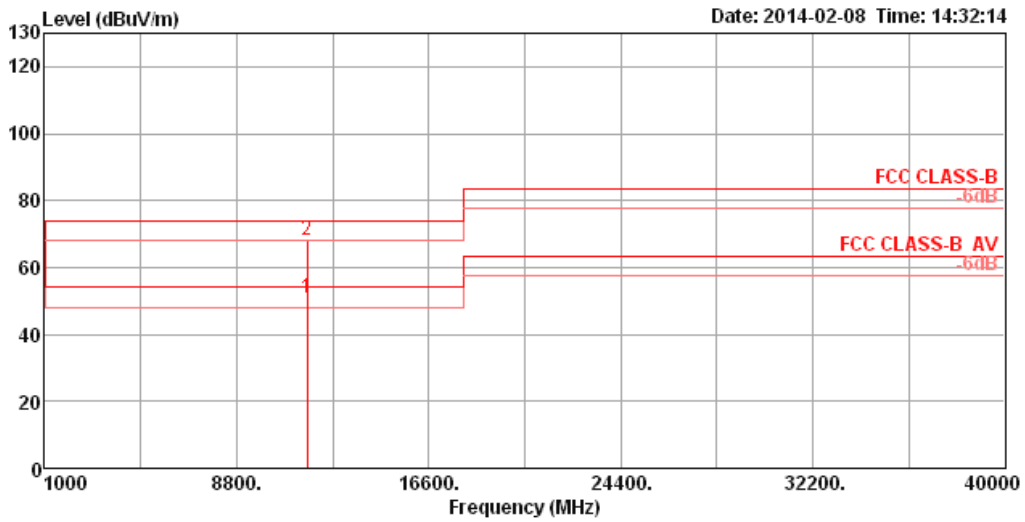
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 157 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit Line | Over Limit | Read Level | CableAntenna Loss | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|-------------------|---------------|---------------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | |
| 1 | 11564.95 | 47.05 | 54.00 | -6.95 | 38.40 | 5.13 | 38.82 | 35.30 Average | 100 | 172 | VERTICAL |
| 2 | 11566.39 | 62.43 | 74.00 | -11.57 | 53.78 | 5.13 | 38.82 | 35.30 Peak | 100 | 172 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

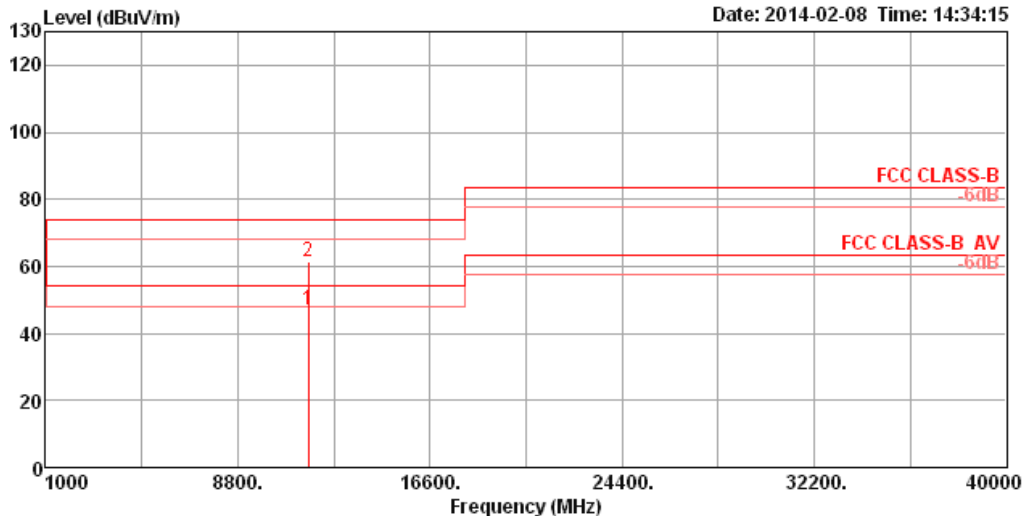
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 165 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|-------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11657.37 | 50.71 | 54.00 | -3.29 | 41.99 | 5.16 | 38.86 | 35.30 | Average | 107 | 181 | HORIZONTAL |
| 2 | 11660.58 | 68.26 | 74.00 | -5.74 | 59.54 | 5.16 | 38.86 | 35.30 | Peak | 107 | 181 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

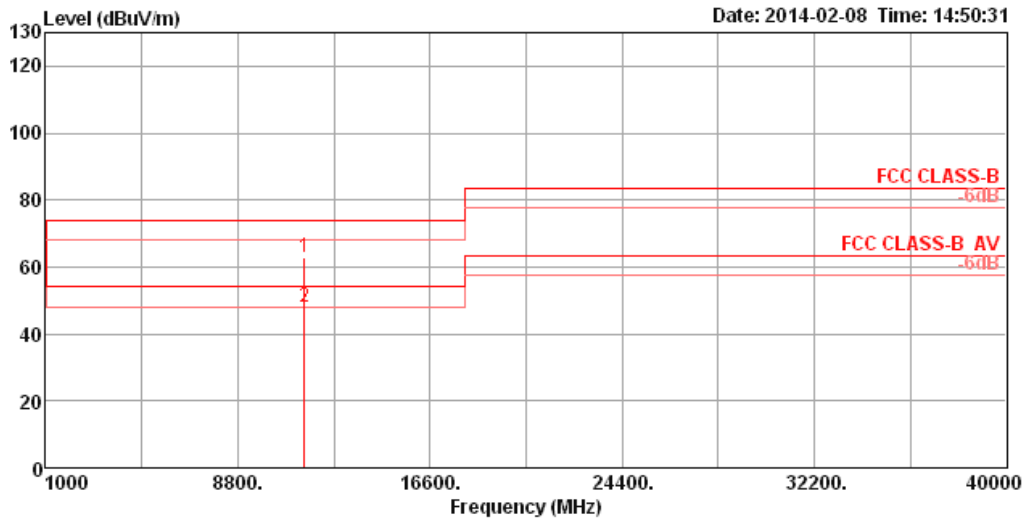
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 20MHz Nss1MCS0 CH 165 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11645.83 | 47.16 | 54.00 | -6.84 | 38.44 | 5.16 | 38.86 | 35.30 | Average | 100 | 177 | VERTICAL |
| 2 | 11648.00 | 61.23 | 74.00 | -12.77 | 52.51 | 5.16 | 38.86 | 35.30 | Peak | 100 | 177 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

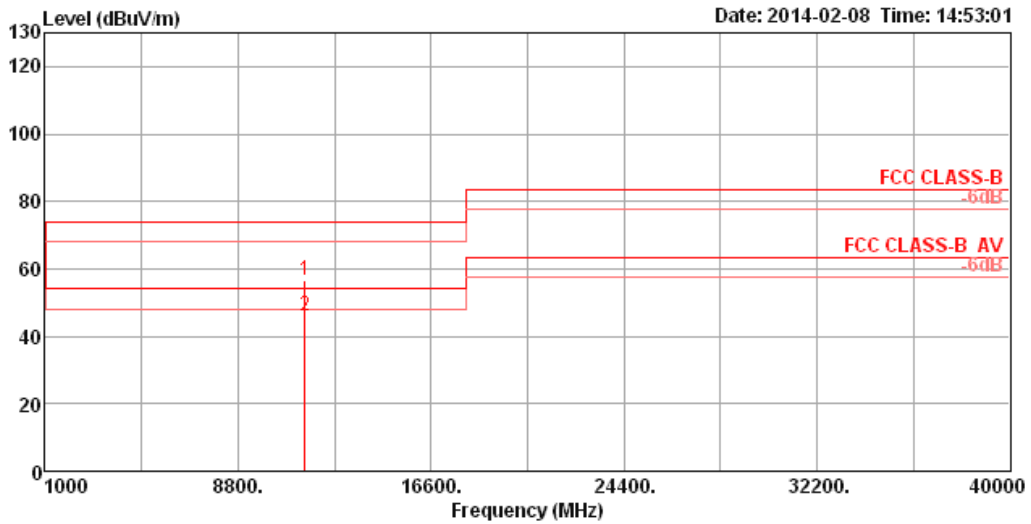
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 149 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11483.75 | 63.01 | 74.00 | -10.99 | 54.40 | 5.11 | 38.78 | 35.28 | Peak | 100 | 180 | HORIZONTAL |
| 2 | 11491.28 | 48.04 | 54.00 | -5.96 | 39.43 | 5.11 | 38.78 | 35.28 | Average | 100 | 180 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBUV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

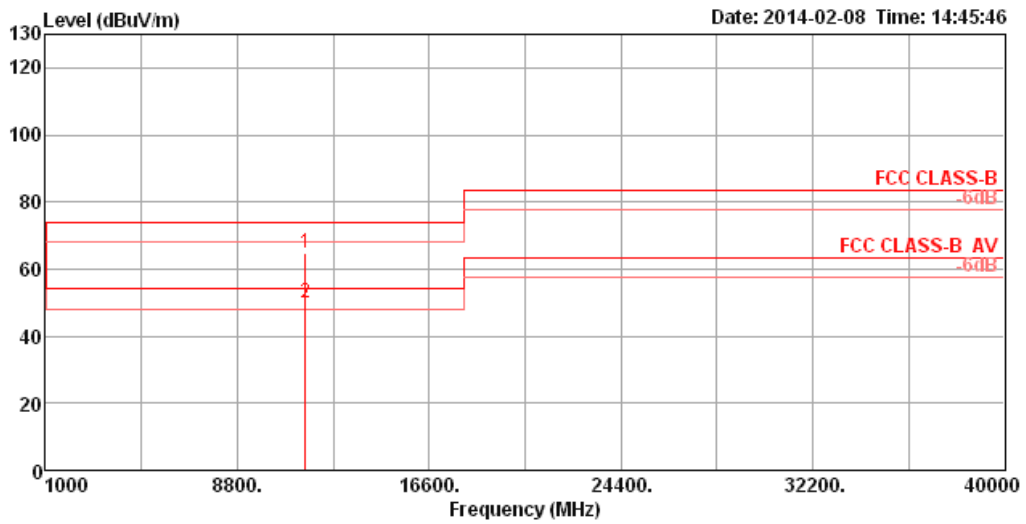
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 149 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11488.80 | 56.54 | 74.00 | -17.46 | 47.93 | 5.11 | 38.78 | 35.28 | Peak | 100 | 84 | VERTICAL |
| 2 | 11488.88 | 45.91 | 54.00 | -8.09 | 37.30 | 5.11 | 38.78 | 35.28 | Average | 100 | 84 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

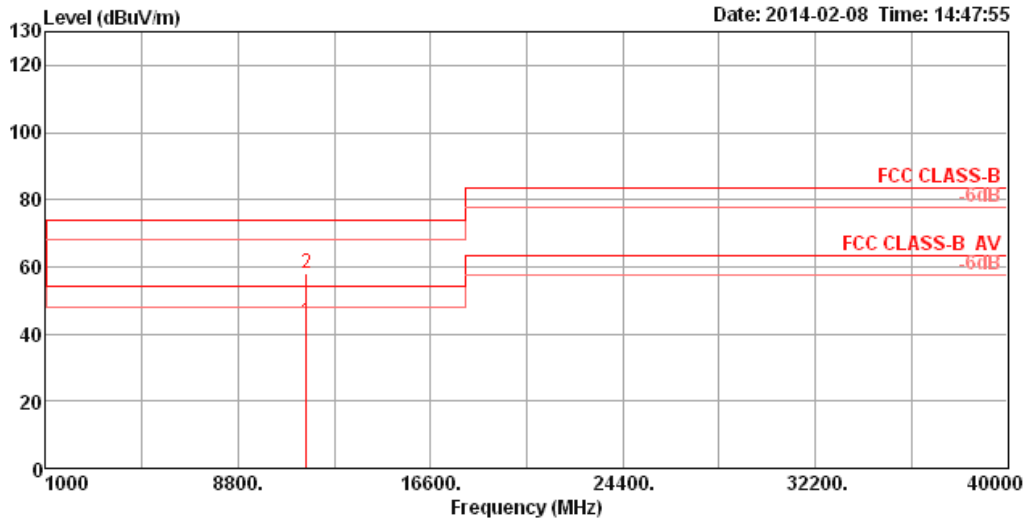
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 157 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|-------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11568.24 | 64.54 | 74.00 | -9.46 | 55.88 | 5.13 | 38.83 | 35.30 | Peak | 100 | 184 | HORIZONTAL |
| 2 | 11570.24 | 50.06 | 54.00 | -3.94 | 41.39 | 5.14 | 38.83 | 35.30 | Average | 100 | 184 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBUV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

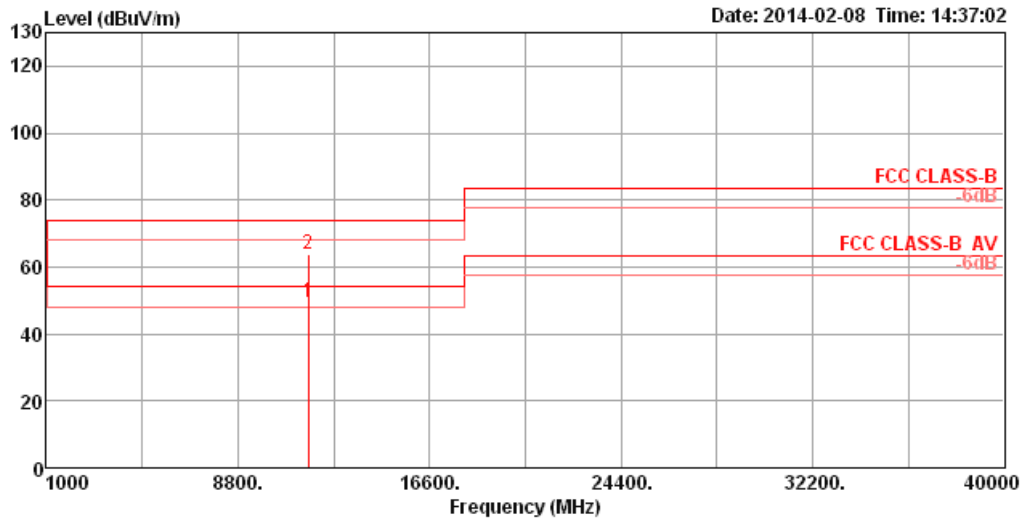
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 157 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11571.36 | 43.88 | 54.00 | -10.12 | 35.21 | 5.14 | 38.83 | 35.30 | Average | 100 | 172 | VERTICAL |
| 2 | 11573.04 | 57.81 | 74.00 | -16.19 | 49.14 | 5.14 | 38.83 | 35.30 | Peak | 100 | 172 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

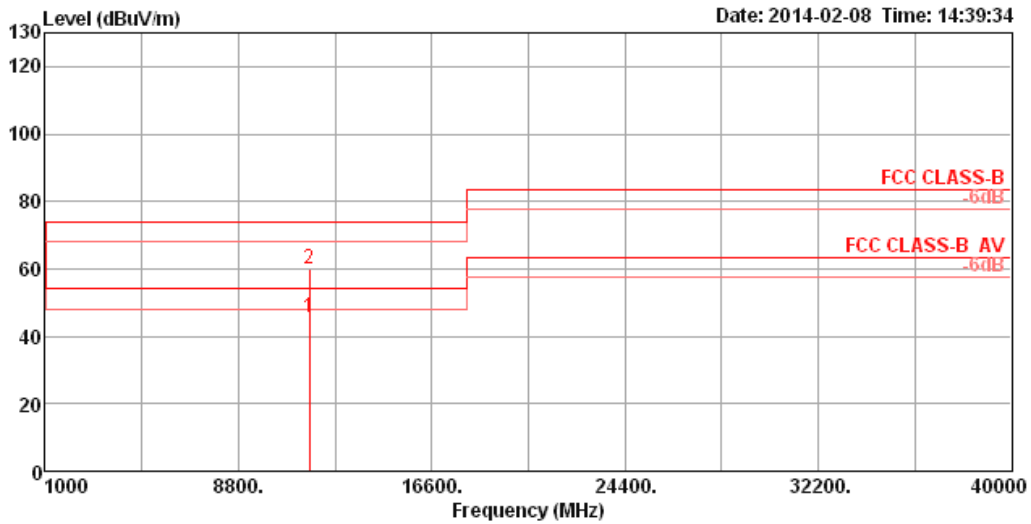
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 165 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBUV/m | dBUV/m | dB | dBUV | dB | dB/m | dB | | cm | deg | |
| 1 | 11651.60 | 49.27 | 54.00 | -4.73 | 40.55 | 5.16 | 38.86 | 35.30 | Average | 103 | 183 | HORIZONTAL |
| 2 | 11657.29 | 63.83 | 74.00 | -10.17 | 55.11 | 5.16 | 38.86 | 35.30 | Peak | 103 | 183 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBUV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

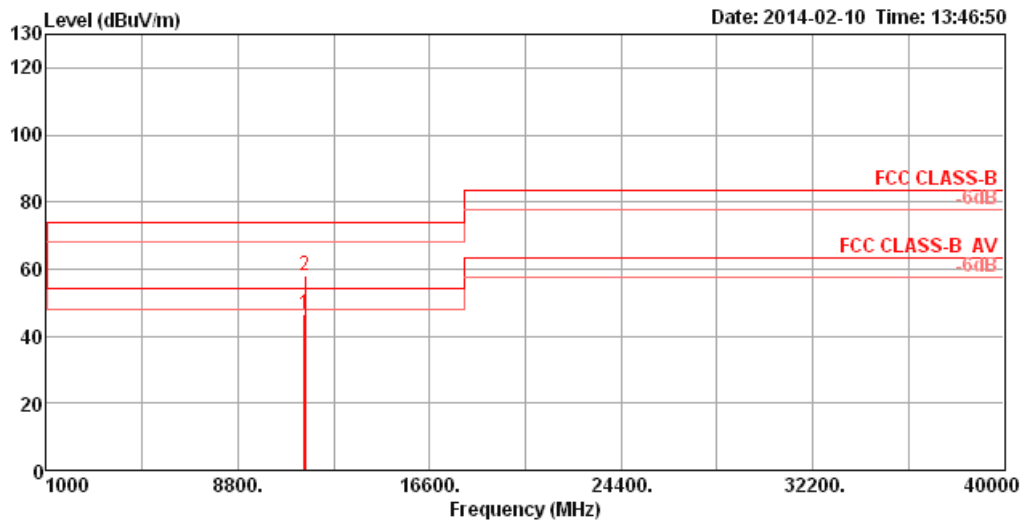
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 20MHz Nss2MCS0 CH 165 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11651.28 | 45.70 | 54.00 | -8.30 | 36.98 | 5.16 | 38.86 | 35.30 | Average | 124 | 173 | VERTICAL |
| 2 | 11651.76 | 60.15 | 74.00 | -13.85 | 51.43 | 5.16 | 38.86 | 35.30 | Peak | 124 | 173 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

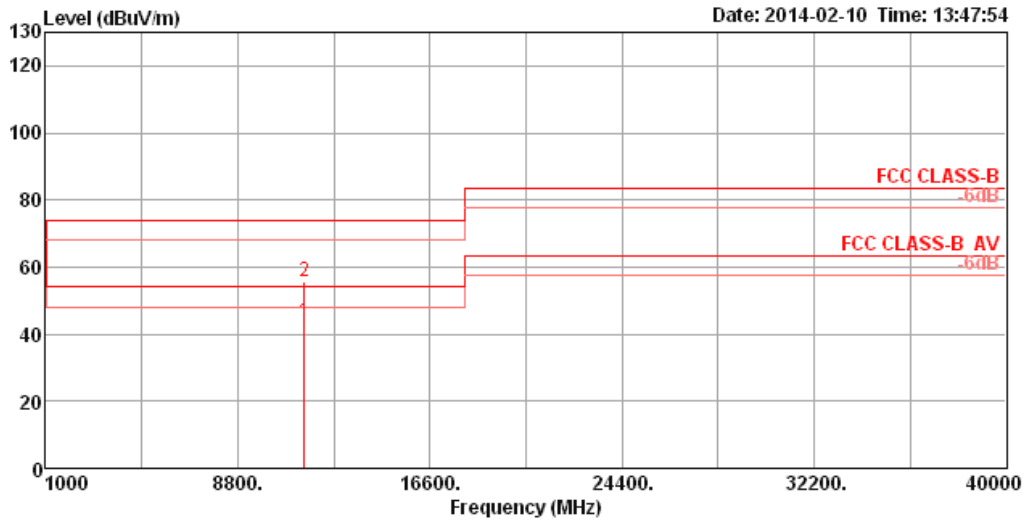
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 151 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBUV/m | dBUV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11491.65 | 46.32 | 54.00 | -7.68 | 37.71 | 5.11 | 38.78 | 35.28 | Average | 100 | 181 | HORIZONTAL |
| 2 | 11528.27 | 58.00 | 74.00 | -16.00 | 49.36 | 5.13 | 38.80 | 35.29 | Peak | 100 | 181 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBUV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

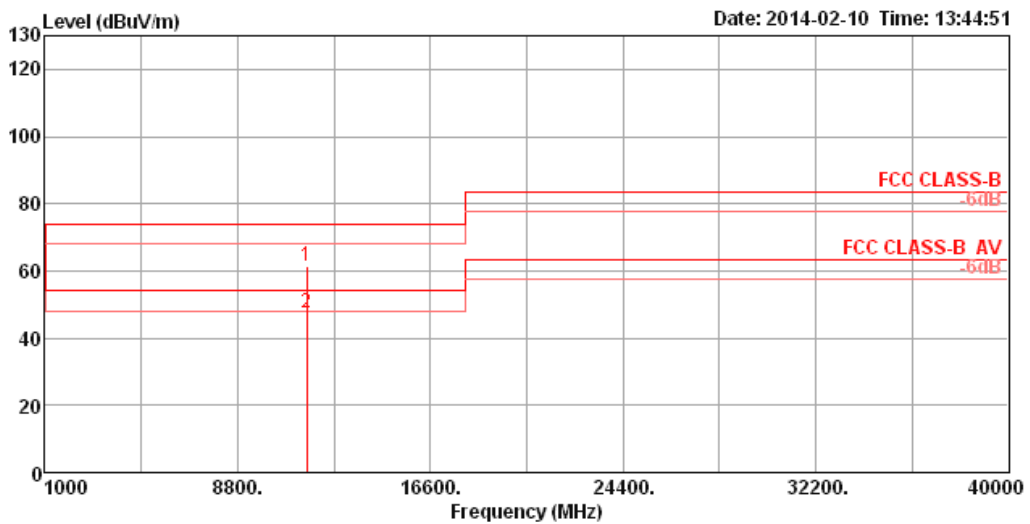
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 151 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11493.41 | 43.65 | 54.00 | -10.35 | 35.03 | 5.12 | 38.78 | 35.28 | Average | 100 | 176 | VERTICAL |
| 2 | 11508.48 | 55.43 | 74.00 | -18.57 | 46.80 | 5.12 | 38.79 | 35.28 | Peak | 100 | 176 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

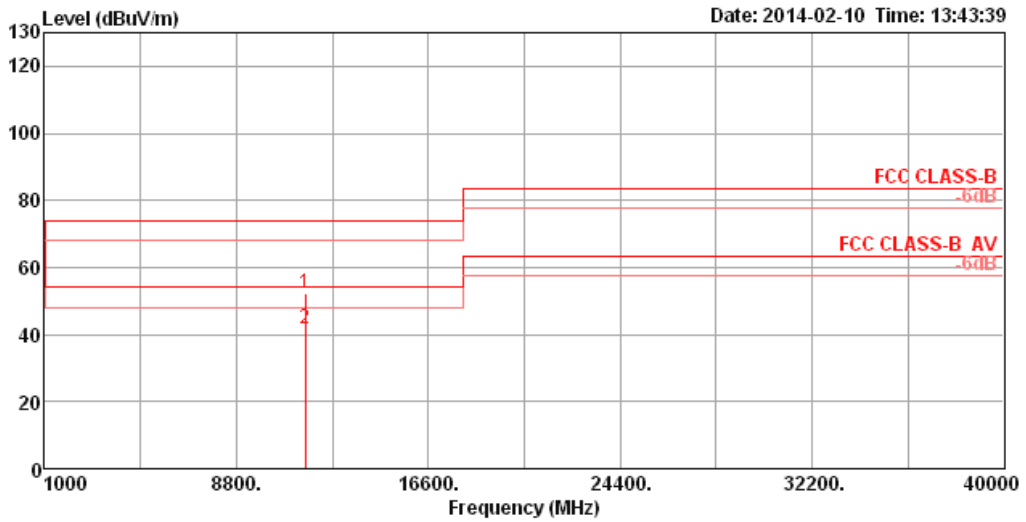
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 159 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11581.51 | 61.59 | 74.00 | -12.41 | 52.92 | 5.14 | 38.83 | 35.30 | Peak | 100 | 181 | HORIZONTAL |
| 2 | 11585.67 | 47.73 | 54.00 | -6.27 | 39.06 | 5.14 | 38.83 | 35.30 | Average | 100 | 181 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 40MHz Nss1MCS0 CH 159 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11589.92 | 52.21 | 74.00 | -21.79 | 43.54 | 5.14 | 38.83 | 35.30 | Peak | 100 | 25 | VERTICAL |
| 2 | 11592.40 | 41.95 | 54.00 | -12.05 | 33.28 | 5.14 | 38.83 | 35.30 | Average | 100 | 25 | VERTICAL |

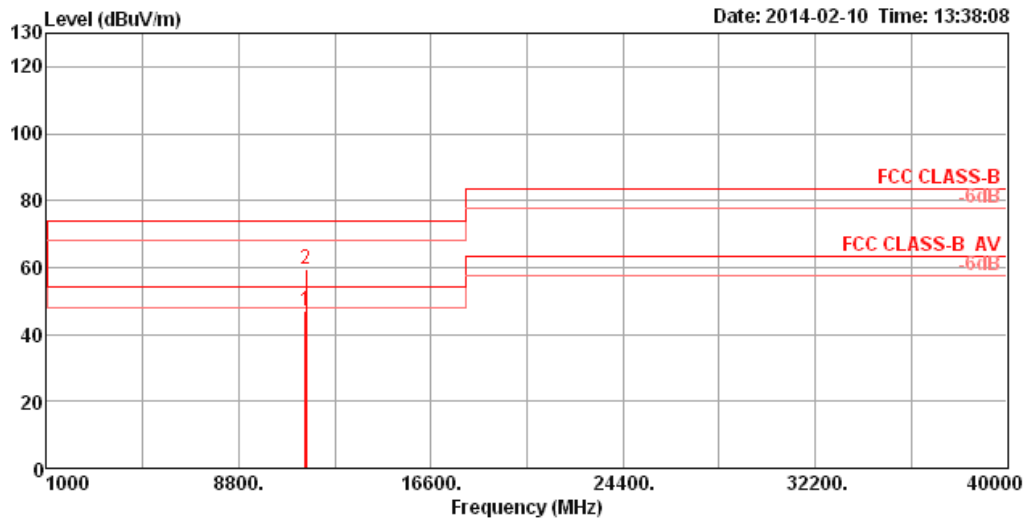
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

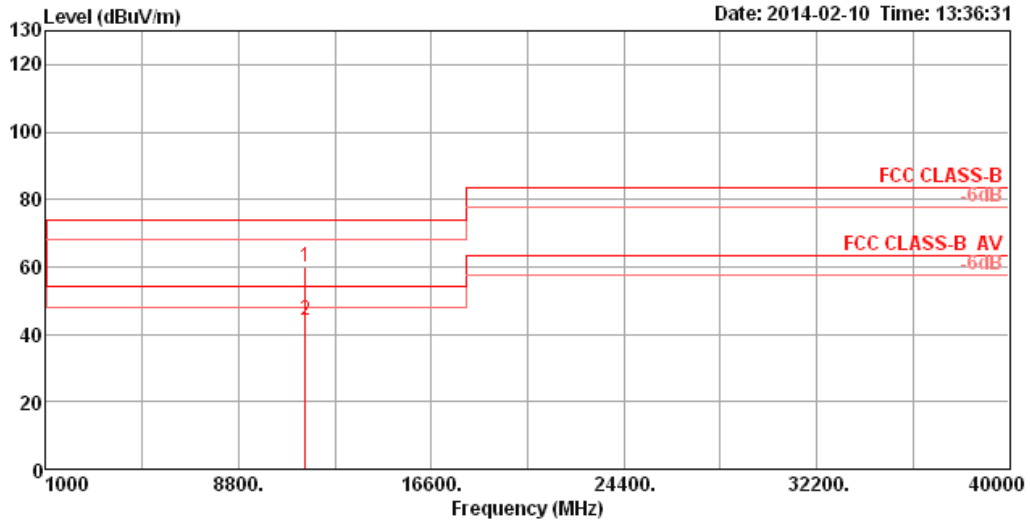
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss2MCS0 CH 151 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBUV/m | dBUV/m | dB | dBUV | dB | dB/m | dB | | cm | deg | |
| 1 | 11493.17 | 46.84 | 54.00 | -7.16 | 38.23 | 5.11 | 38.78 | 35.28 | Average | 106 | 181 | HORIZONTAL |
| 2 | 11520.50 | 59.67 | 74.00 | -14.33 | 51.03 | 5.13 | 38.80 | 35.29 | Peak | 106 | 181 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBUV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

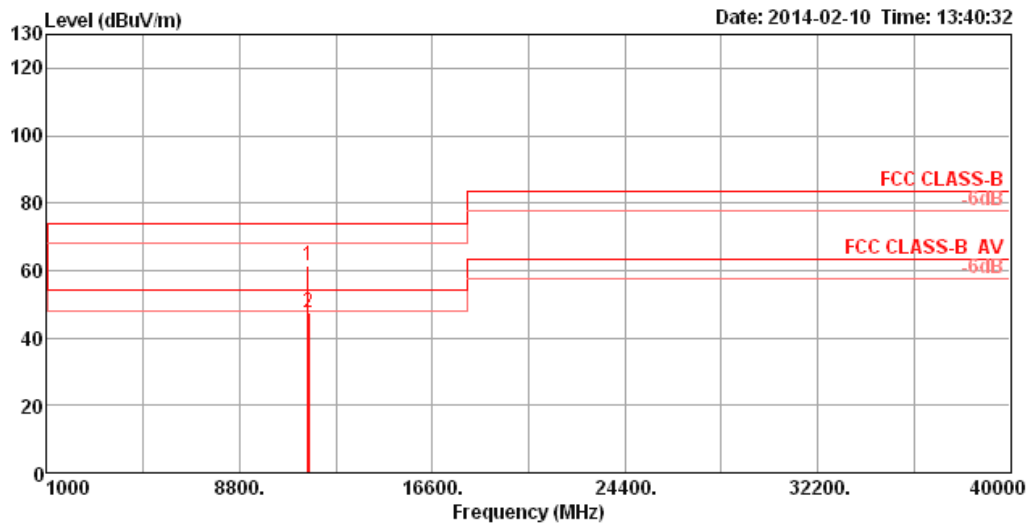
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 40MHz Nss2MCS0 CH 151 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11491.73 | 59.75 | 74.00 | -14.25 | 51.14 | 5.11 | 38.78 | 35.28 | Peak | 100 | 170 | VERTICAL |
| 2 | 11492.61 | 43.98 | 54.00 | -10.02 | 35.37 | 5.11 | 38.78 | 35.28 | Average | 100 | 170 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

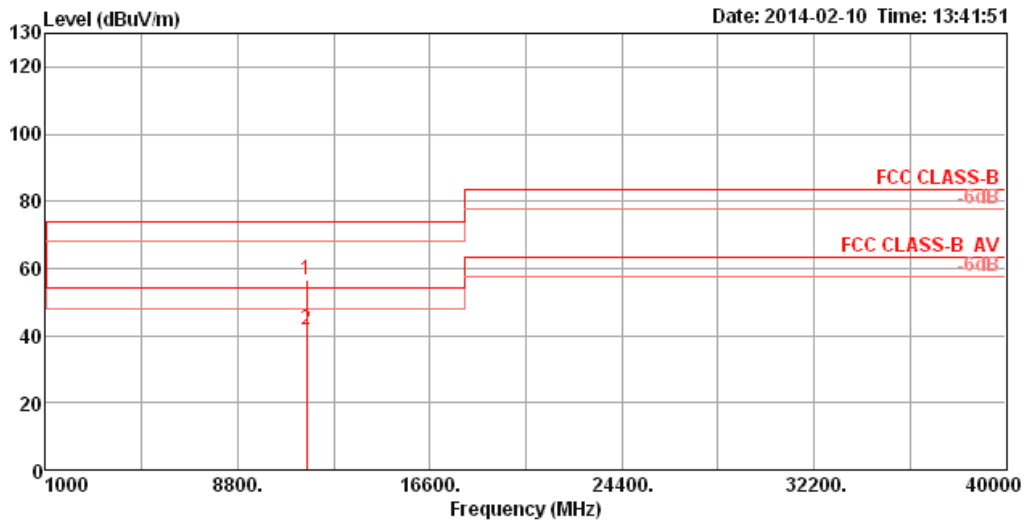
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss2MCS0 CH 159 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11579.90 | 61.32 | 74.00 | -12.68 | 52.65 | 5.14 | 38.83 | 35.30 | Peak | 100 | 181 | HORIZONTAL |
| 2 | 11587.52 | 47.58 | 54.00 | -6.42 | 38.91 | 5.14 | 38.83 | 35.30 | Average | 100 | 181 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

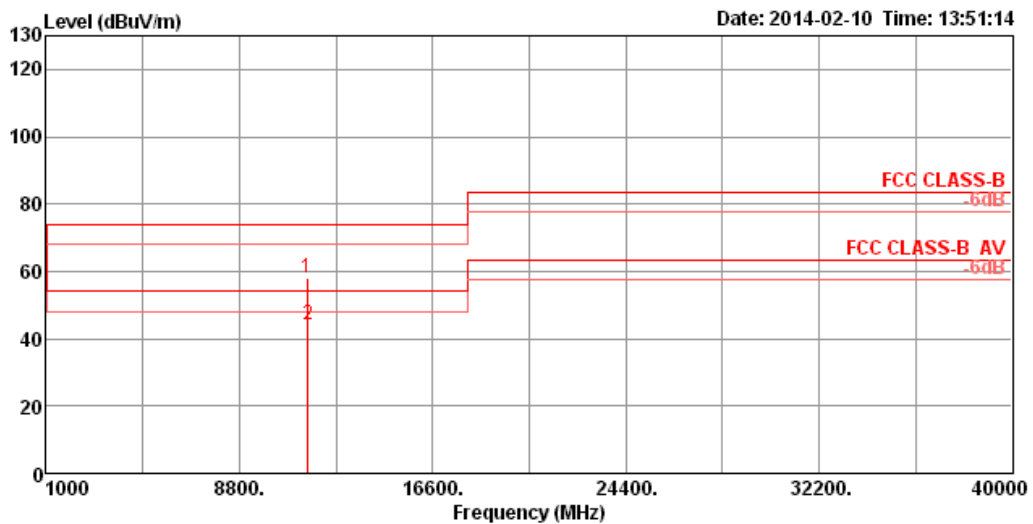
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 40MHz Nss2MCS0 CH 159 / Ant. 1+2+3 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11588.00 | 56.68 | 74.00 | -17.32 | 48.01 | 5.14 | 38.83 | 35.30 | Peak | 100 | 206 | VERTICAL |
| 2 | 11593.29 | 41.90 | 54.00 | -12.10 | 33.23 | 5.14 | 38.83 | 35.30 | Average | 100 | 206 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

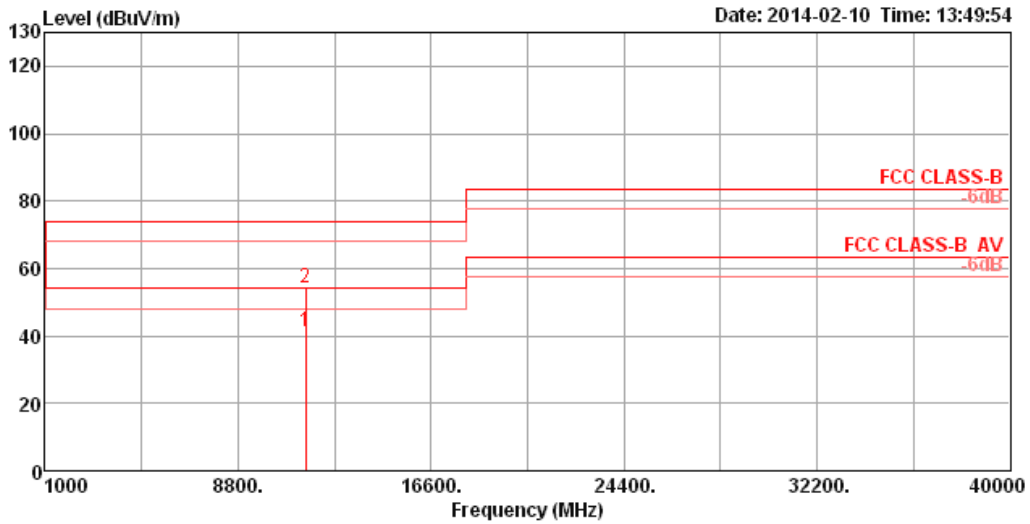
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 80MHz Nss1MCS0 CH 155 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11546.03 | 58.26 | 74.00 | -15.74 | 49.62 | 5.13 | 38.81 | 35.30 | Peak | 100 | 183 | HORIZONTAL |
| 2 | 11547.85 | 43.93 | 54.00 | -10.07 | 35.29 | 5.13 | 38.81 | 35.30 | Average | 100 | 183 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

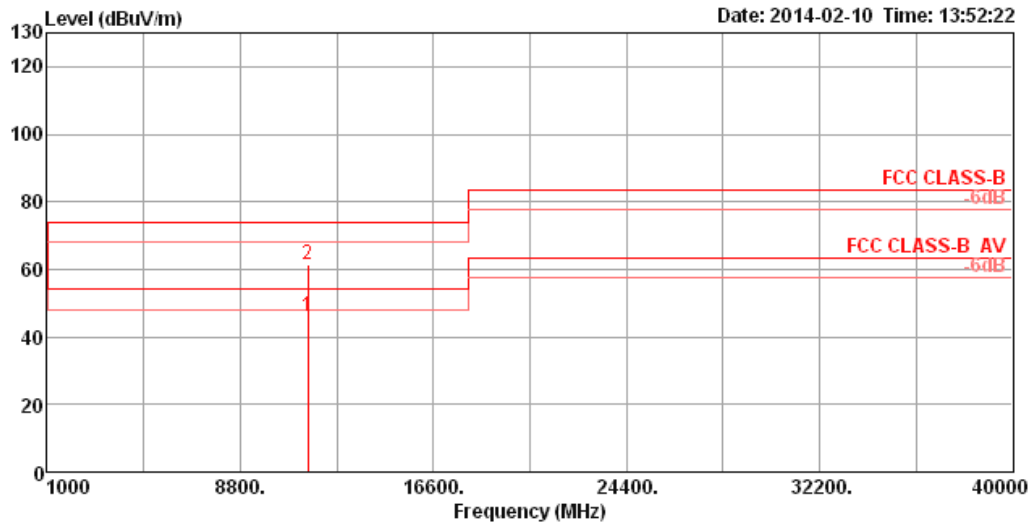
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | | |
|---|--|----------|-----|---------------|-------------|--|
| Operating Mode | IEEE 802.11ac 80MHz Nss1MCS0 CH 155 / Ant. 1+2+3 | | | Polarization | V | |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng | |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11540.99 | 41.42 | 54.00 | -12.58 | 32.78 | 5.13 | 38.81 | 35.30 | Average | 100 | 173 | VERTICAL |
| 2 | 11543.53 | 54.39 | 74.00 | -19.61 | 45.75 | 5.13 | 38.81 | 35.30 | Peak | 100 | 173 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

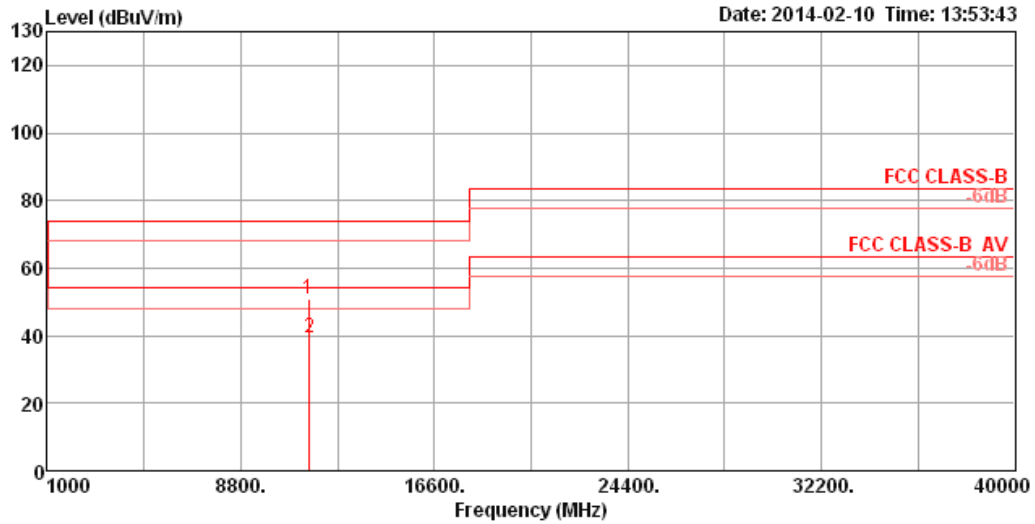
| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 80MHz Nss2MCS0 CH 155 / Ant. 1+2+3 | | | Polarization | H |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit | Over | Read | Cable | Antenna | Preamp | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|---------|-------|-------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11541.51 | 45.98 | 54.00 | -8.02 | 37.34 | 5.13 | 38.81 | 35.30 | Average | 100 | 179 | HORIZONTAL |
| 2 | 11543.14 | 61.17 | 74.00 | -12.83 | 52.53 | 5.13 | 38.81 | 35.30 | Peak | 100 | 179 | HORIZONTAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

| Transmitter Radiated Emissions (1GHz~10th Harmonic) | | | | | |
|---|--|----------|-----|---------------|-------------|
| Operating Mode | IEEE 802.11ac 80MHz Nss2MCS0 CH 155 / Ant. 1+2+3 | | | Polarization | V |
| Temperature | 24°C | Humidity | 55% | Test Engineer | David Tseng |



| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | Remark | A/Pos | T/Pos | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------|---------|-------|-------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | | cm | deg | |
| 1 | 11540.19 | 50.70 | 74.00 | -23.30 | 42.06 | 5.13 | 38.81 | 35.30 | Peak | 100 | 325 | VERTICAL |
| 2 | 11558.33 | 39.36 | 54.00 | -14.64 | 30.71 | 5.13 | 38.82 | 35.30 | Average | 100 | 325 | VERTICAL |

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
 Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
 Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
 Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

4.6. Band Edge and Fundamental Emissions Measurement

4.6.1. Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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

4.6.2. Measuring Instruments and Setting

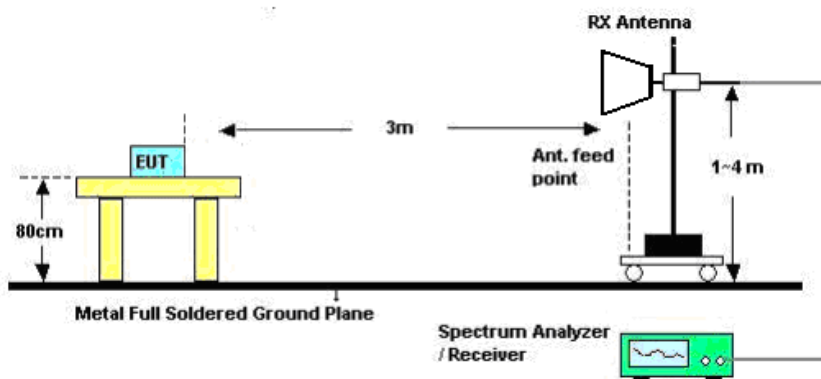
Please refer to section 6 of equipments list in this report. The following table is the setting of the spectrum analyzer.

| Spectrum Analyzer | Setting |
|---|---|
| Attenuation | Auto |
| Span Frequency | 100 MHz |
| RBW / VBW (Emission in restricted band) | 1MHz / 3MHz for Peak, 1MHz / 10Hz for Average |
| RBW / VBW (Emission in non-restricted band) | 100 kHz /300 kHz for Peak |

4.6.3. Test Procedures

1. The test procedure is the same as section 4.5.3, only the frequency range investigated is limited to 100MHz around bandedges.
2. In case the emission is fail due to the used RBW/VBW is too wide, marker-delta method of FCC Public Notice DA00-705 will be followed.

4.6.4. Test Setup Layout



4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Results of Emission not in Restricted Band

Following channel(s) was (were) selected for the final test as listed below.

For Non-Beamforming

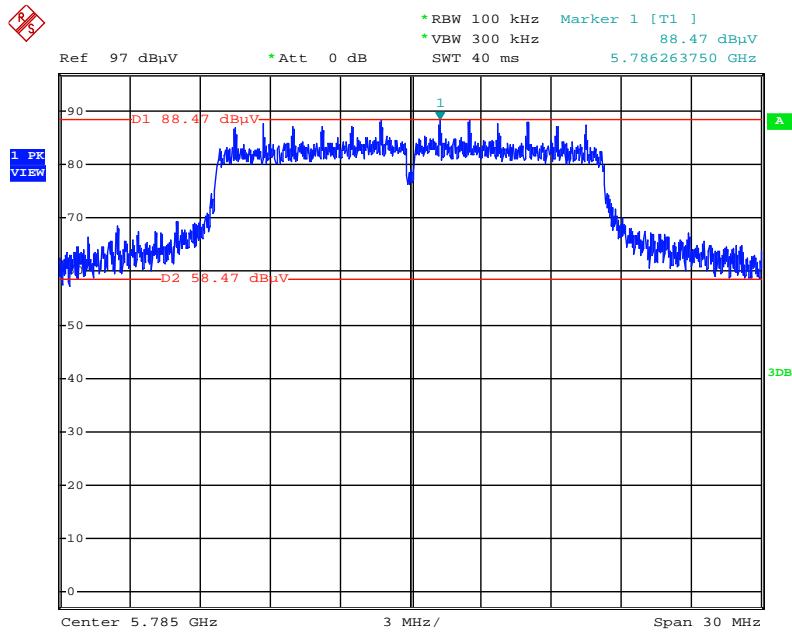
| MODE | TX Chain | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
|----------------|----------------|----------------|-----------------------|-----------------|------------------|
| 802.11a | Ant.1 | 149, 157, 165 | OFDM | BPSK | 6 |
| 802.11a | Ant.1+2+3, CDD | 149, 157, 165 | OFDM | BPSK | 6 |
| 802.11ac 20MHz | Ant.1 | 149, 157, 165 | OFDM | BPSK | MCS0 (6.5) |
| 802.11ac 20MHz | Ant.1+2+3, CDD | 149, 157, 165 | OFDM | BPSK | MCS0 (6.5) |
| 802.11ac 20MHz | Ant.1+2+3, CDD | 149, 157, 165 | OFDM | BPSK | MCS0 (13) |
| 802.11ac 40MHz | Ant.1 | 151, 159 | OFDM | BPSK | MCS0 (13.5) |
| 802.11ac 40MHz | Ant.1+2+3, CDD | 151, 159 | OFDM | BPSK | MCS0 (13.5) |
| 802.11ac 40MHz | Ant.1+2+3, CDD | 151, 159 | OFDM | BPSK | MCS0 (27) |
| 802.11ac 80MHz | Ant.3 | 155 | OFDM | BPSK | MCS0 (29.3) |
| 802.11ac 80MHz | Ant.1+2+3, CDD | 155 | OFDM | BPSK | MCS0 (29.3) |
| 802.11ac 80MHz | Ant.1+2+3, CDD | 155 | OFDM | BPSK | MCS0 (58.5) |

For Beamforming

| MODE | TX Chain | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
|----------------|----------------|----------------|-----------------------|-----------------|------------------|
| 802.11ac 20MHz | Ant.1+2+3, CDD | 149, 157, 165 | OFDM | BPSK | MCS0 (6.5) |
| 802.11ac 20MHz | Ant.1+2+3, CDD | 149, 157, 165 | OFDM | BPSK | MCS0 (13) |
| 802.11ac 40MHz | Ant.1+2+3, CDD | 151, 159 | OFDM | BPSK | MCS0 (13.5) |
| 802.11ac 40MHz | Ant.1+2+3, CDD | 151, 159 | OFDM | BPSK | MCS0 (27) |
| 802.11ac 80MHz | Ant.1+2+3, CDD | 155 | OFDM | BPSK | MCS0 (29.3) |
| 802.11ac 80MHz | Ant.1+2+3, CDD | 155 | OFDM | BPSK | MCS0 (58.5) |

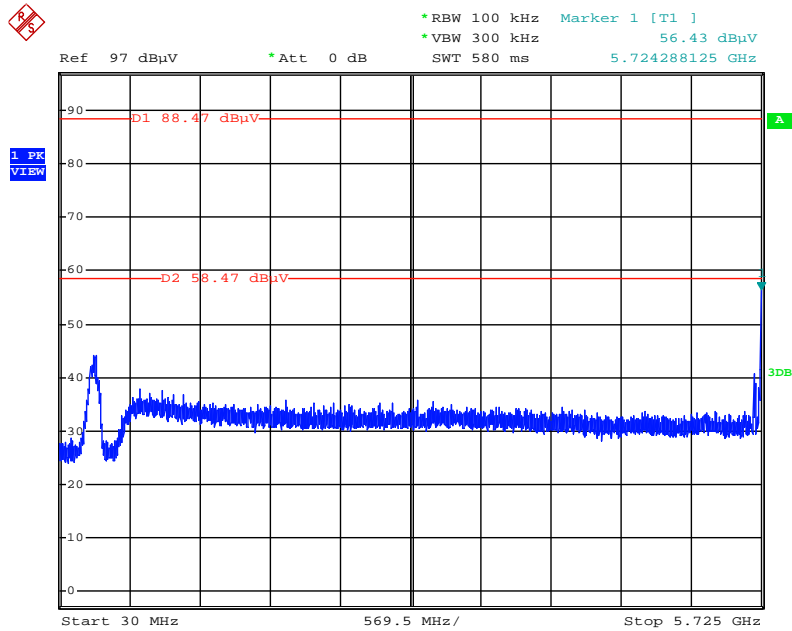
For Non-Beamforming

Low Band Edge Plot on Configuration IEEE 802.11a / Reference Level / Ant. 1



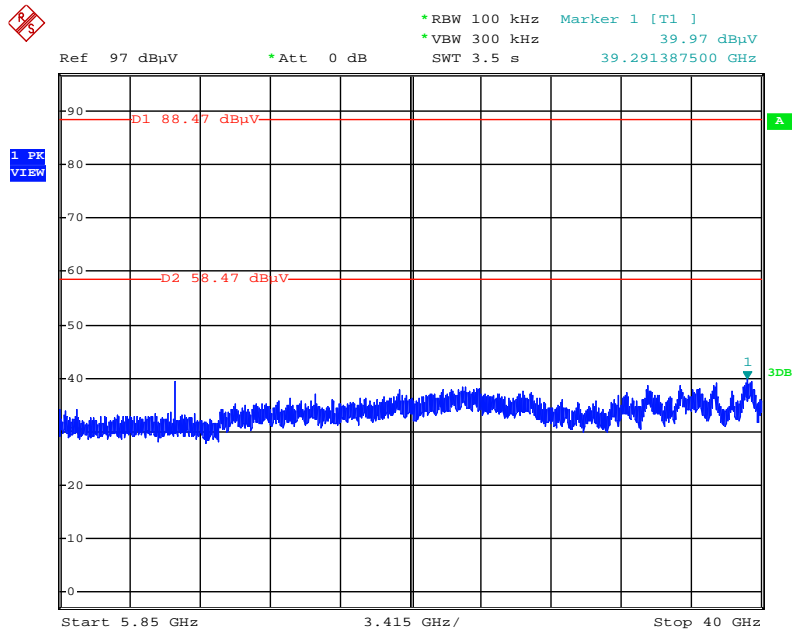
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Low Band Edge Plot on Configuration IEEE 802.11a / CH 149 / Ant. 1



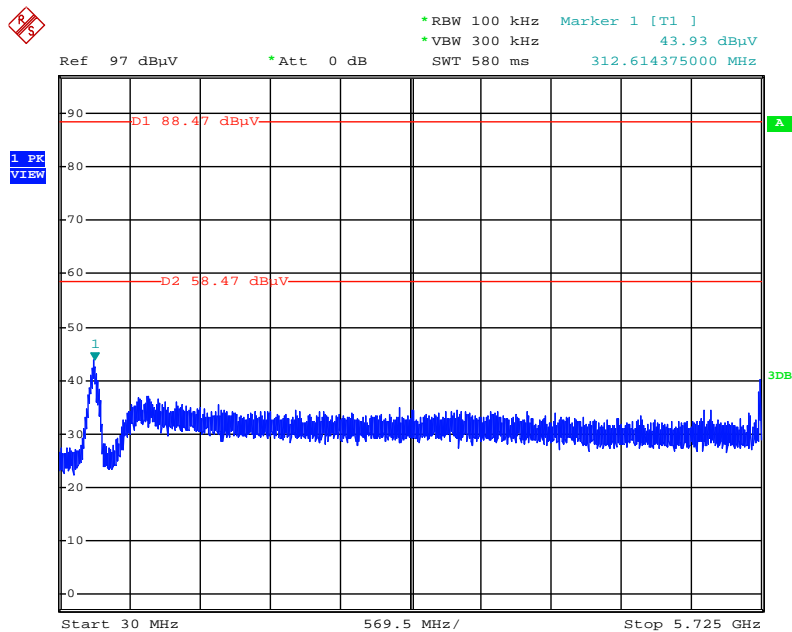
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Low Band Edge Plot on Configuration IEEE 802.11a / CH 149 / Ant. 1



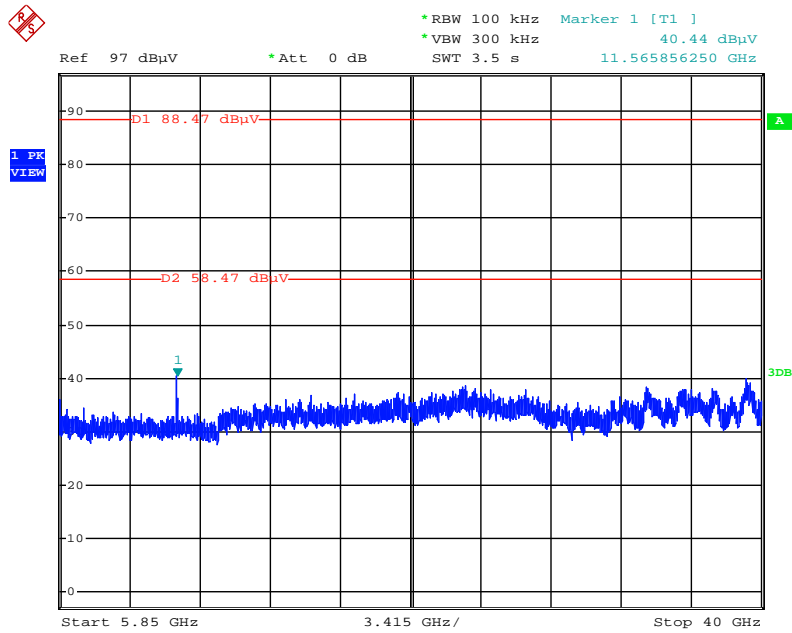
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Low Band Edge Plot on Configuration IEEE 802.11a / CH 157 / Ant. 1



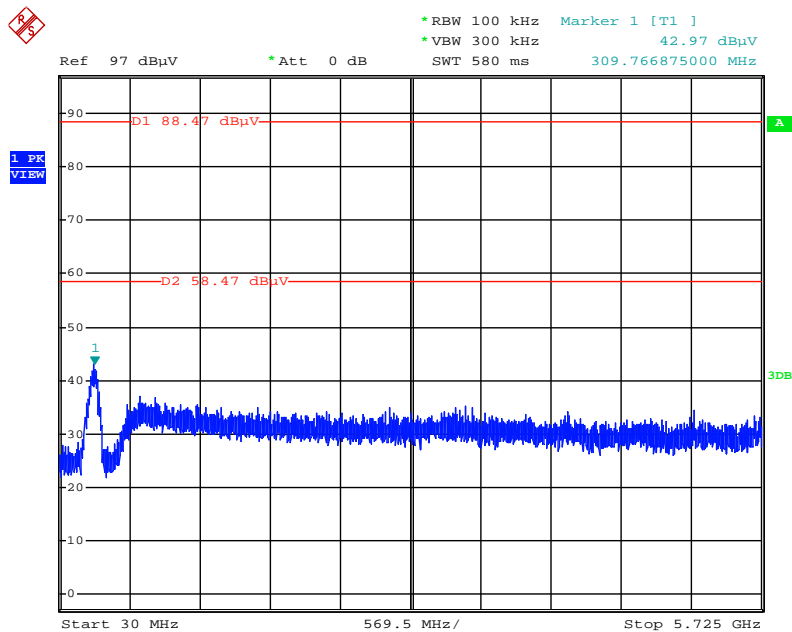
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Low Band Edge Plot on Configuration IEEE 802.11a / CH 157 / Ant. 1



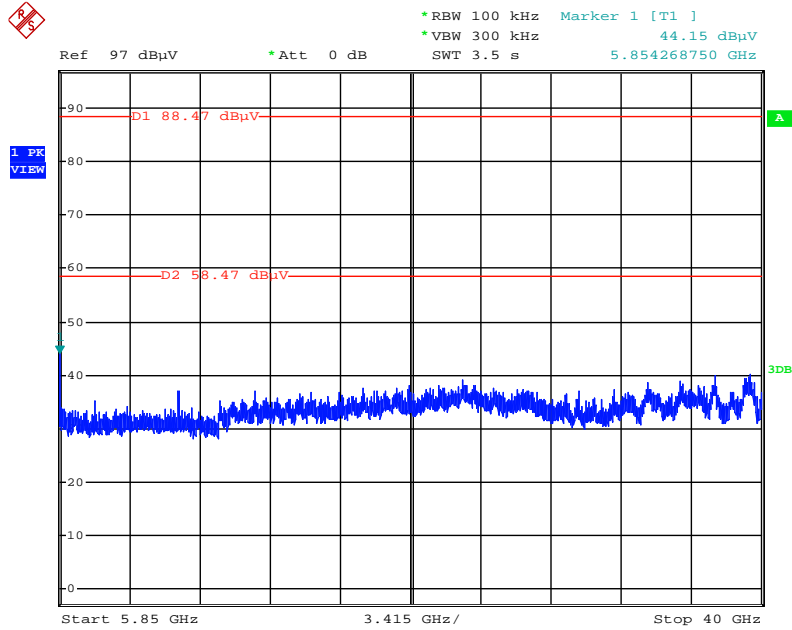
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Low Band Edge Plot on Configuration IEEE 802.11a / CH 165 / Ant. 1



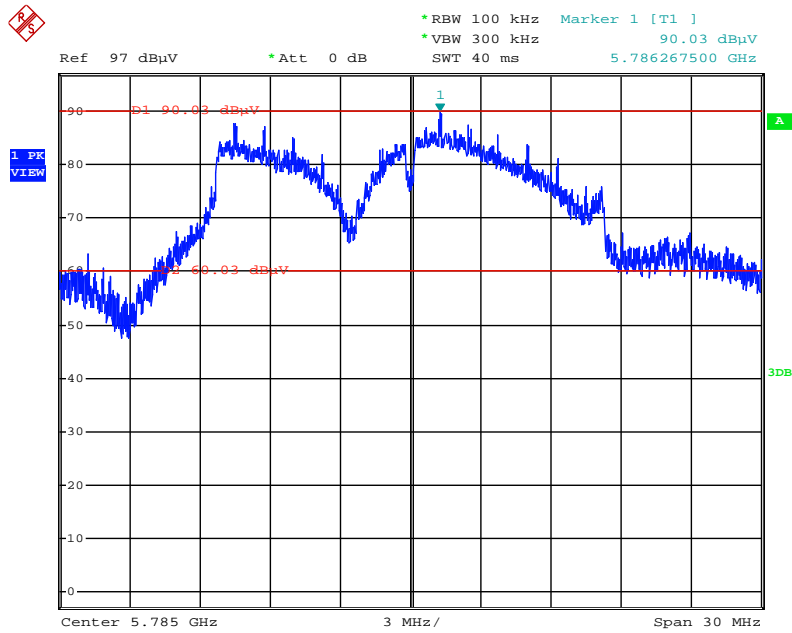
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Low Band Edge Plot on Configuration IEEE 802.11a / CH 165 / Ant. 1



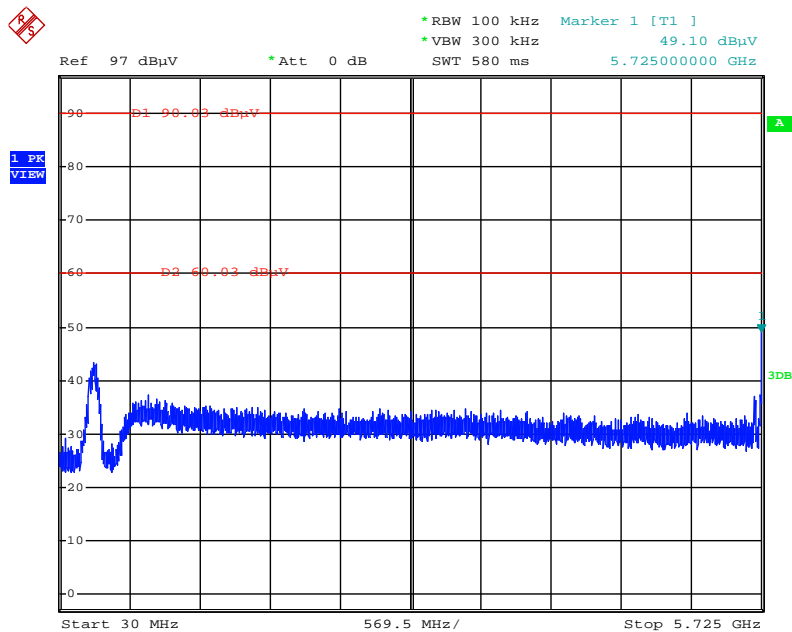
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Low Band Edge Plot on Configuration IEEE 802.11a / Reference Level / Ant. 1+2+3



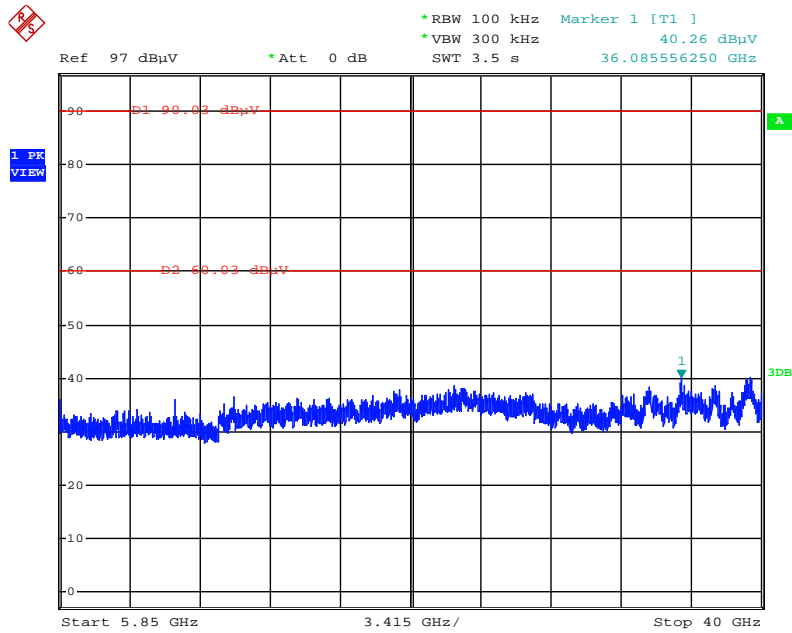
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Low Band Edge Plot on Configuration IEEE 802.11a / CH 149 / Ant. 1+2+3



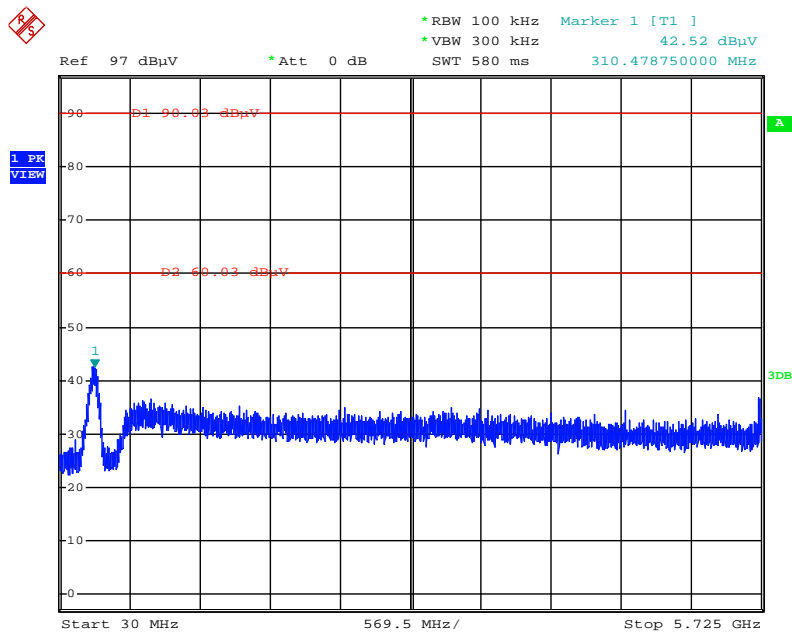
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Low Band Edge Plot on Configuration IEEE 802.11a / CH 149 / Ant. 1+2+3



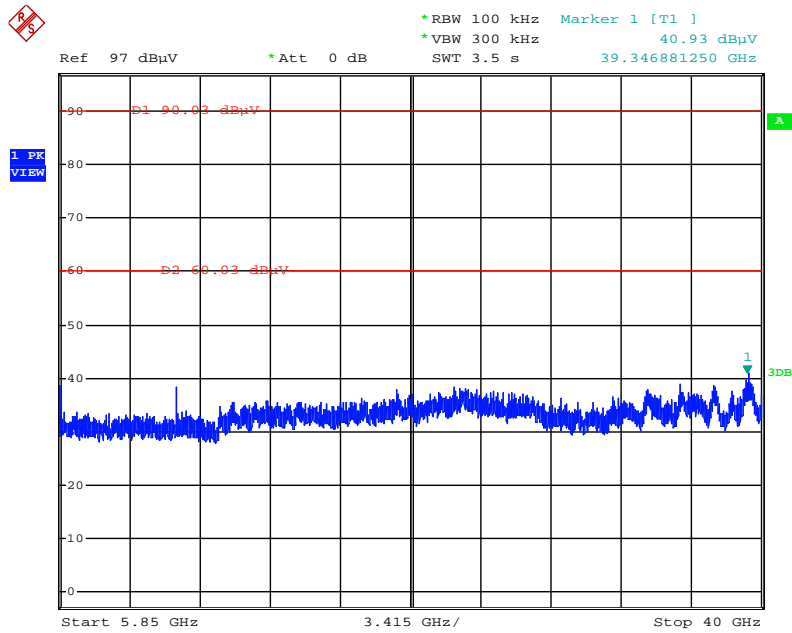
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Low Band Edge Plot on Configuration IEEE 802.11a / CH 157 / Ant. 1+2+3



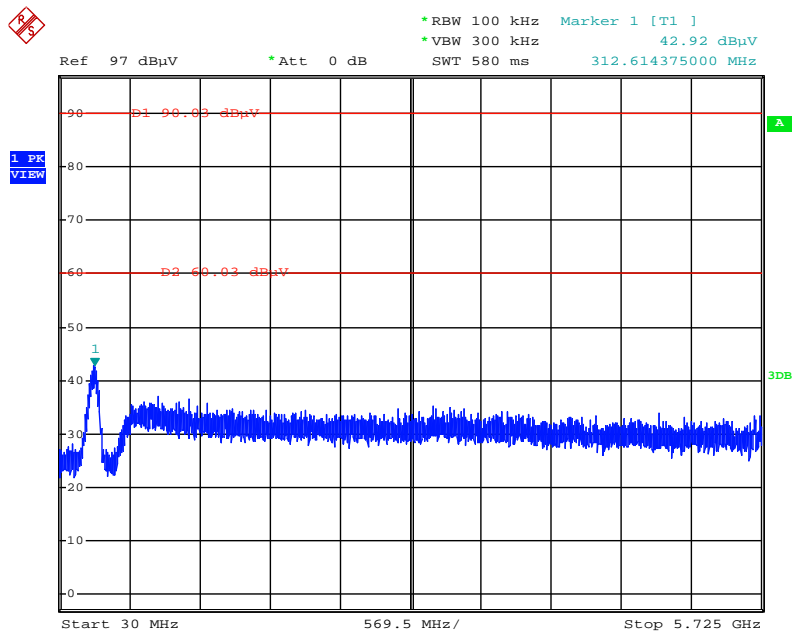
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Low Band Edge Plot on Configuration IEEE 802.11a / CH 157 / Ant. 1+2+3



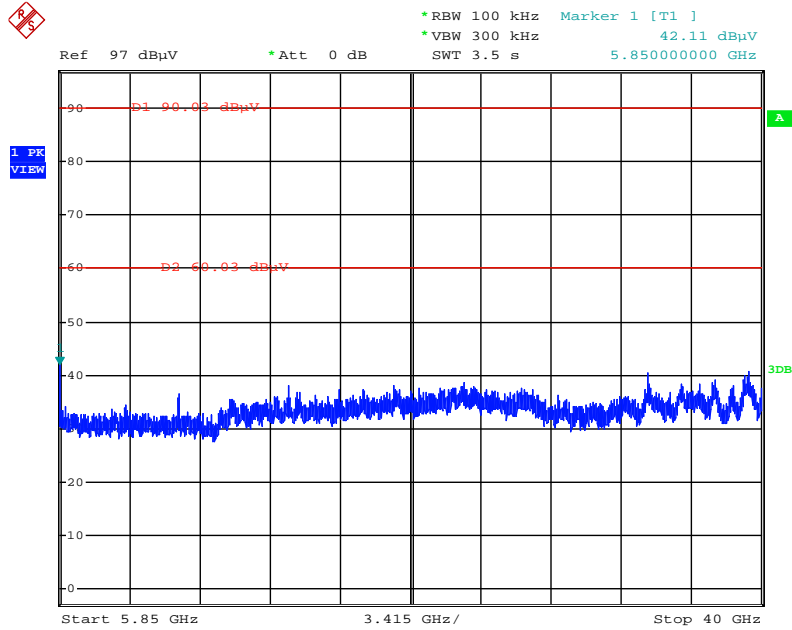
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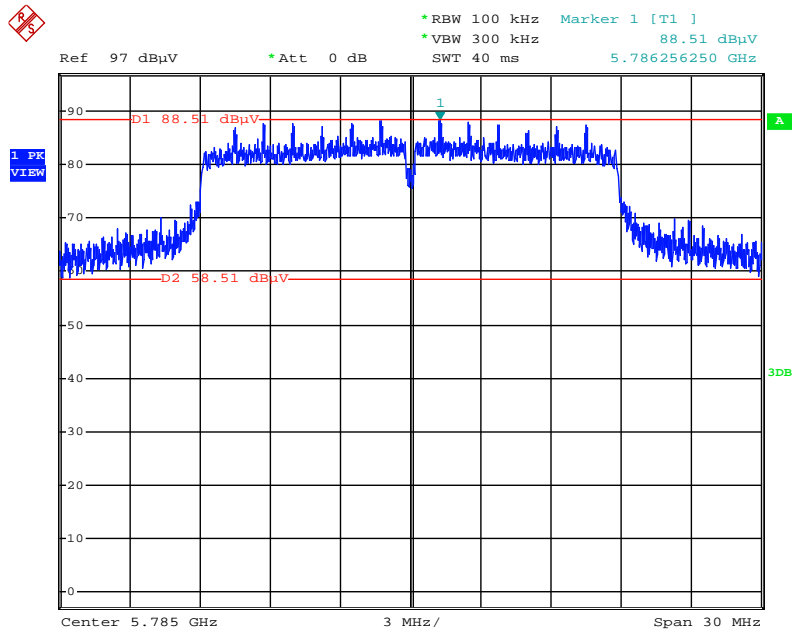
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Low Band Edge Plot on Configuration IEEE 802.11a / CH 165 / Ant. 1+2+3



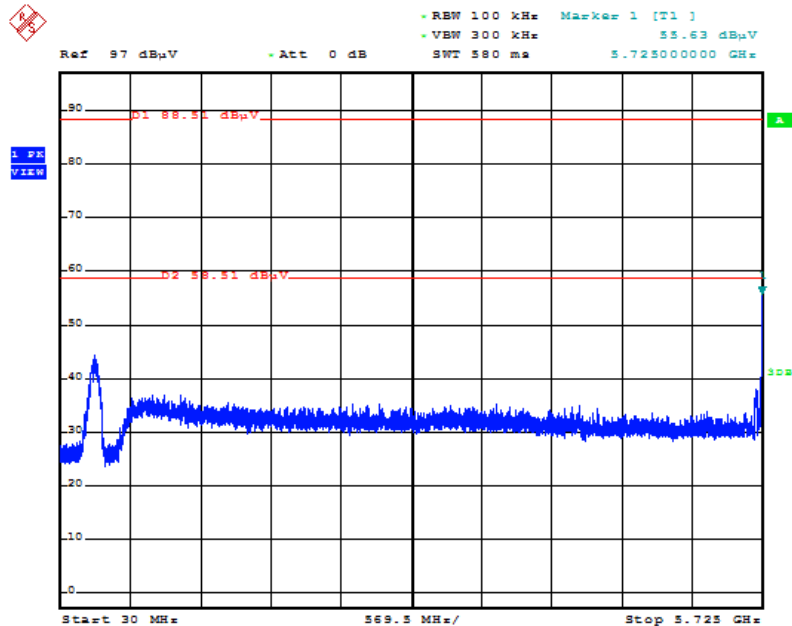
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz / Reference Level / Ant. 1



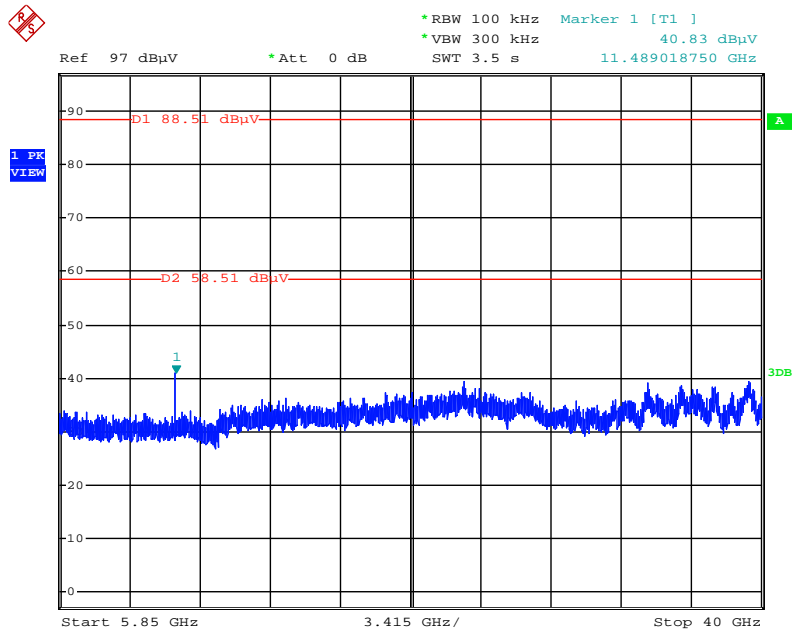
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 1



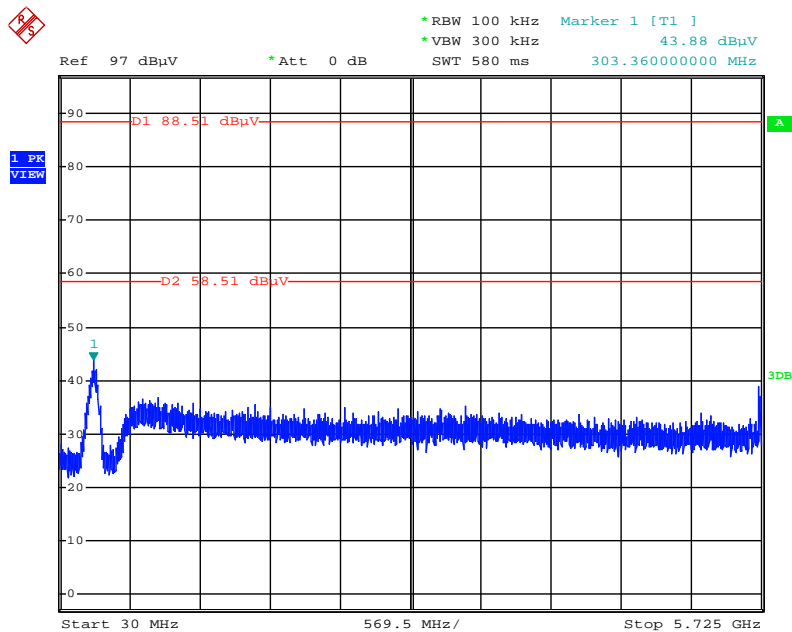
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 1



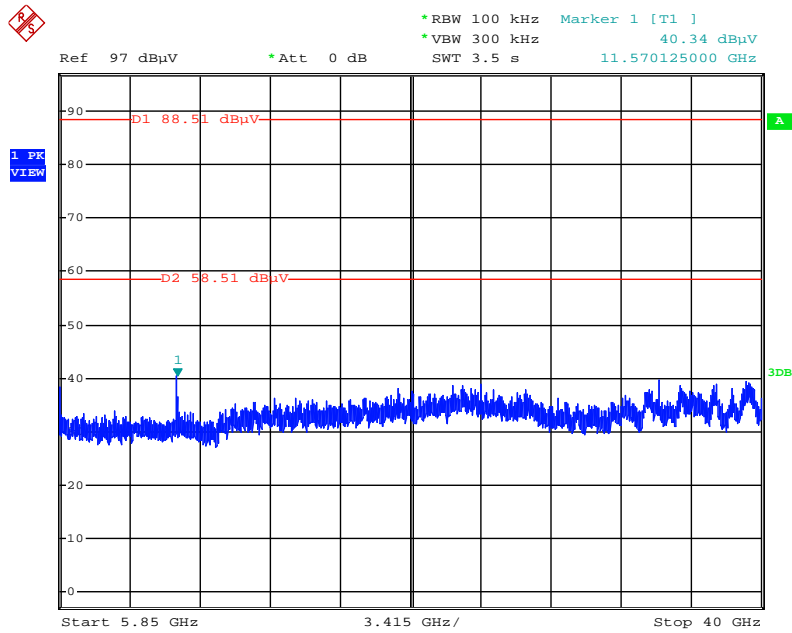
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 1



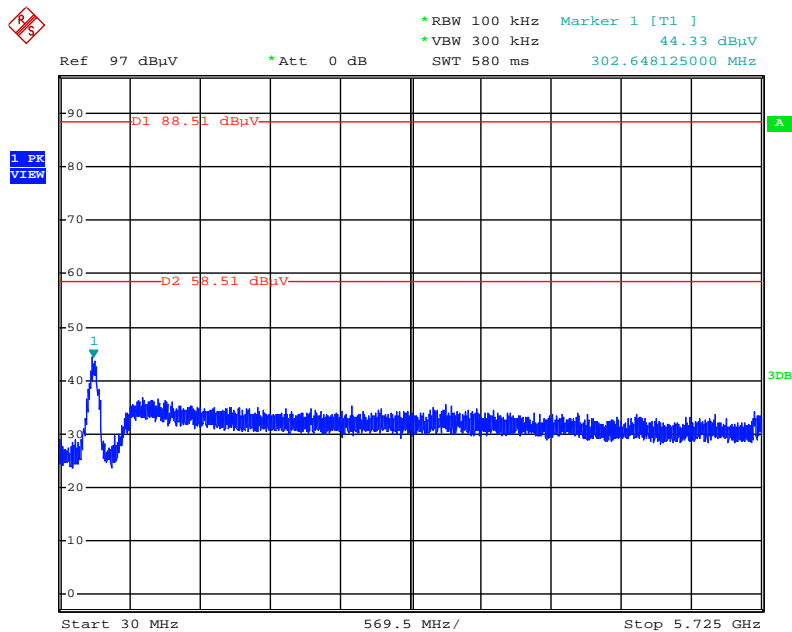
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 1



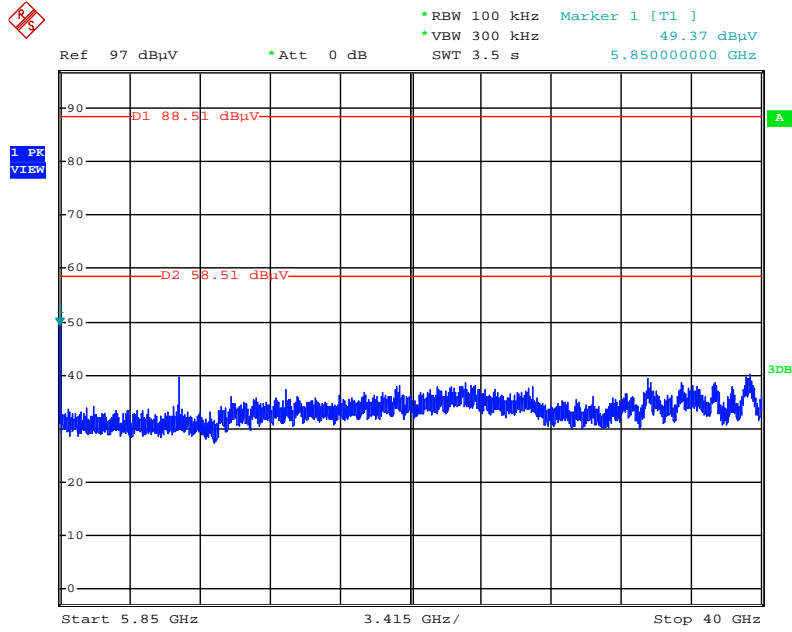
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 1



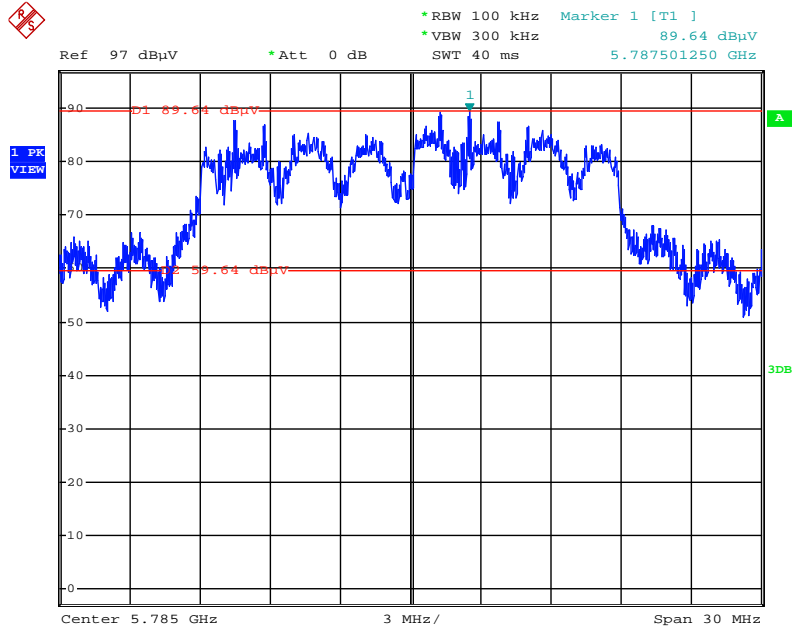
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 1



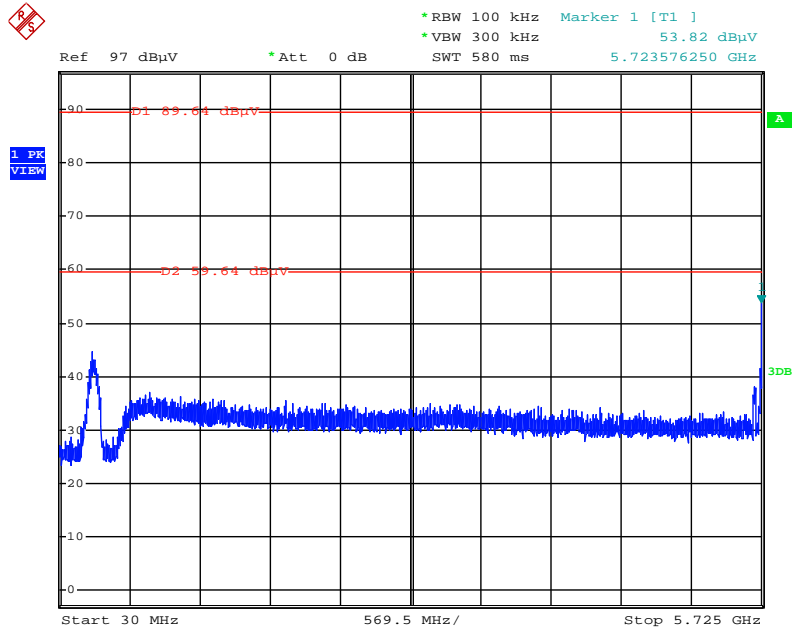
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / Reference Level / Ant. 1+2+3



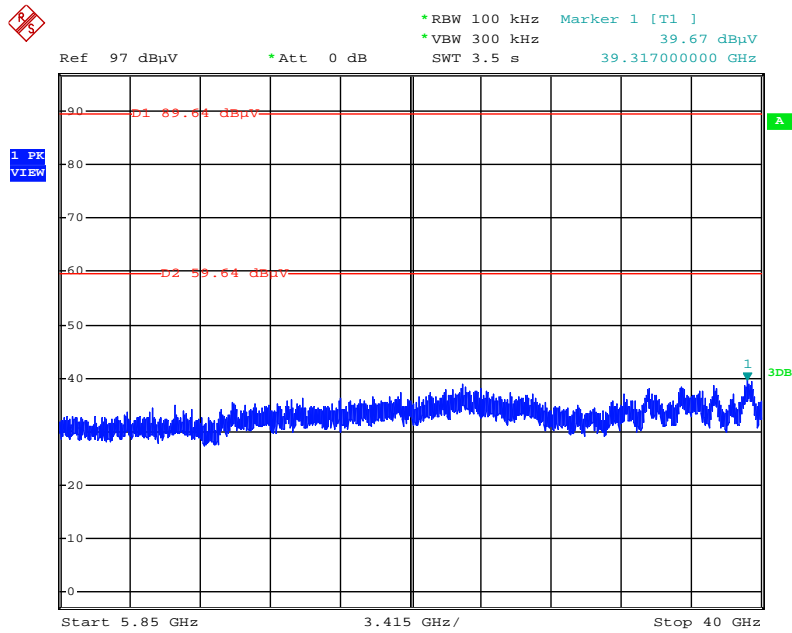
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 1+2+3



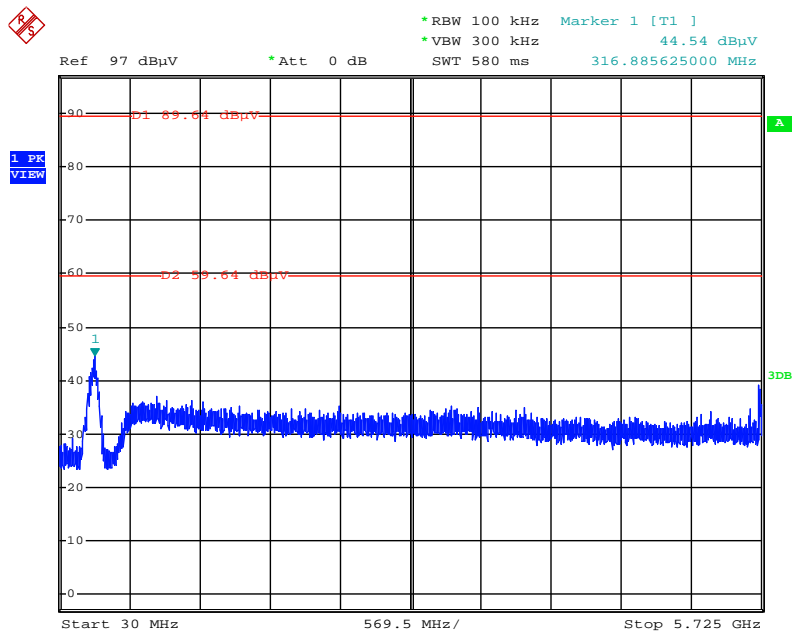
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 1+2+3



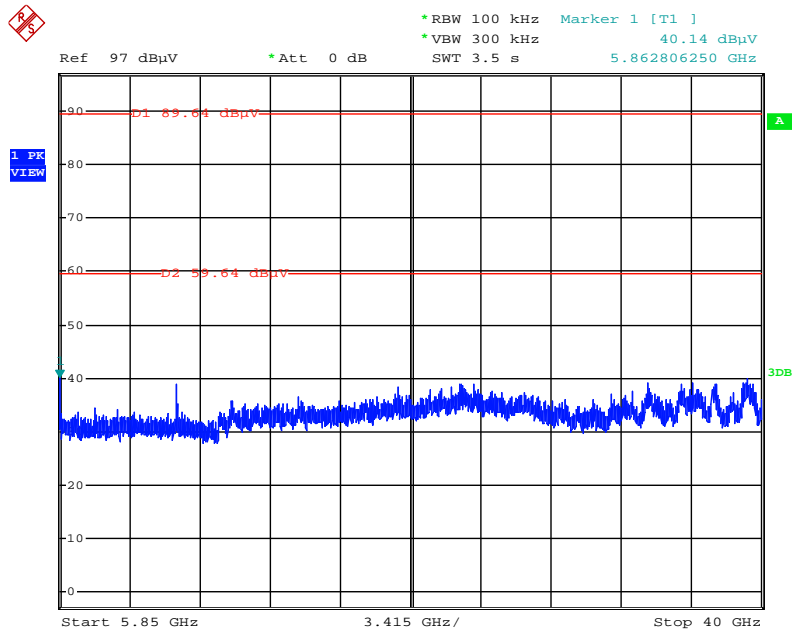
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 1+2+3



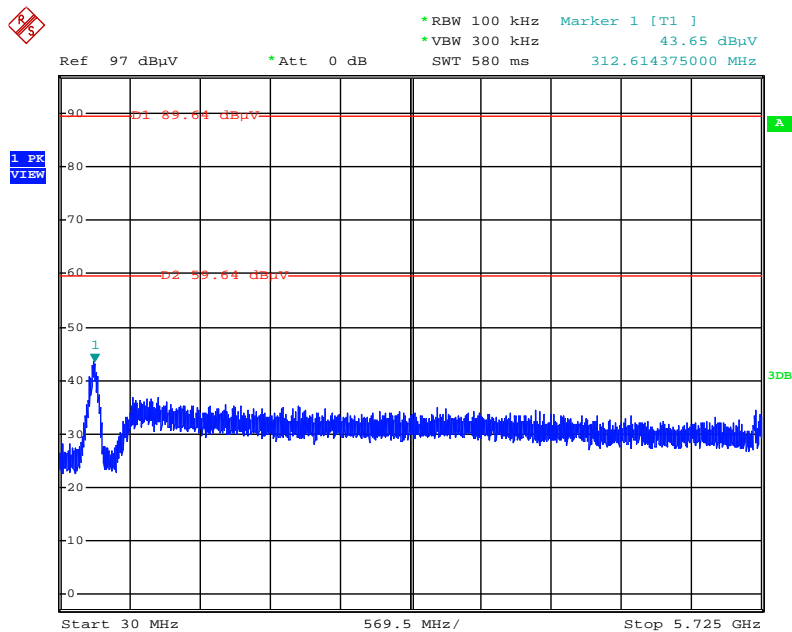
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 1+2+3



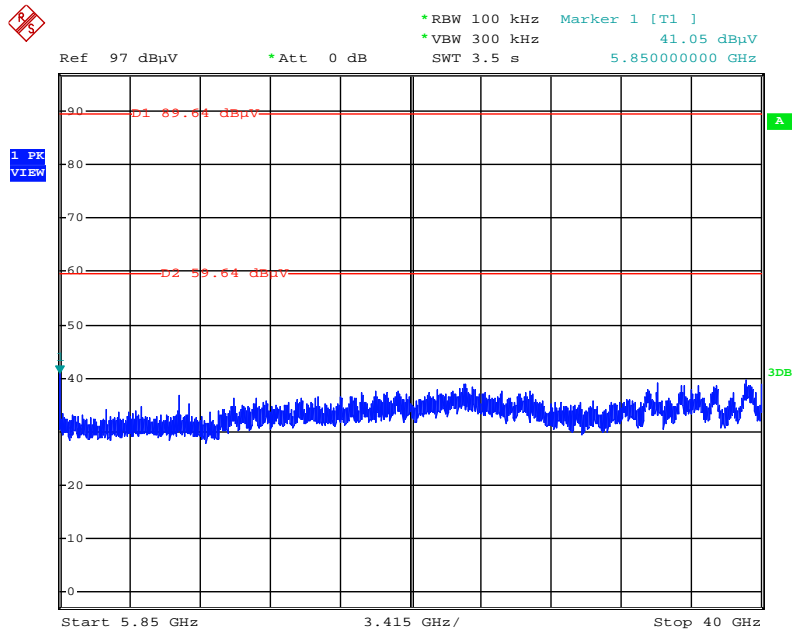
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 1+2+3



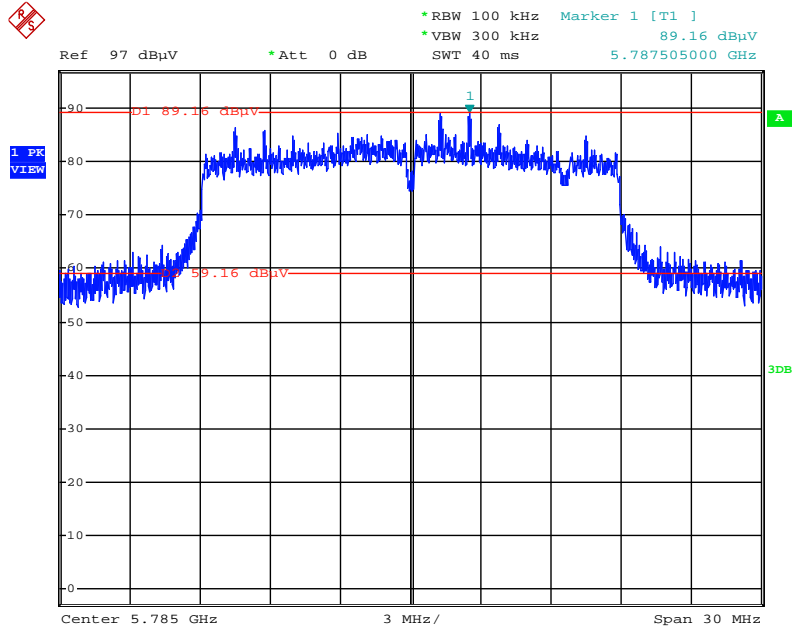
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 1+2+3



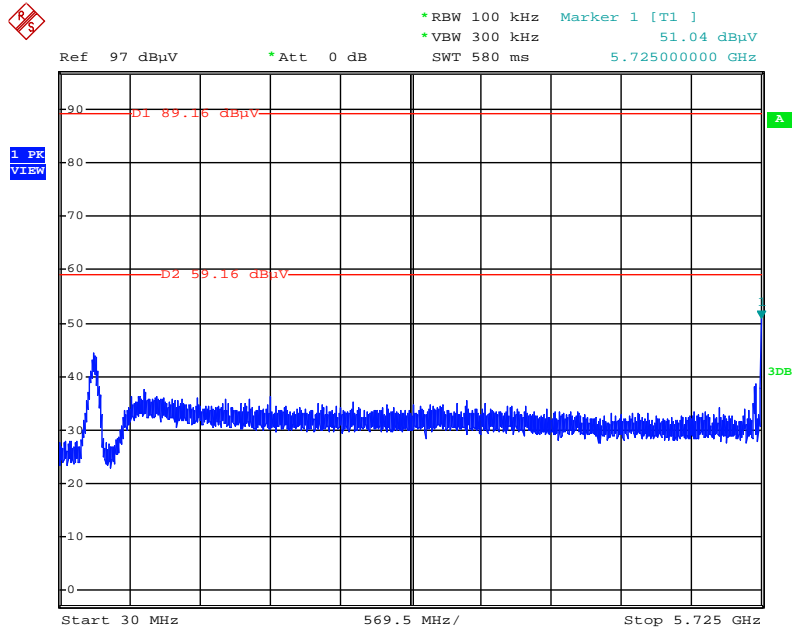
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / Reference Level / Ant. 1+2+3



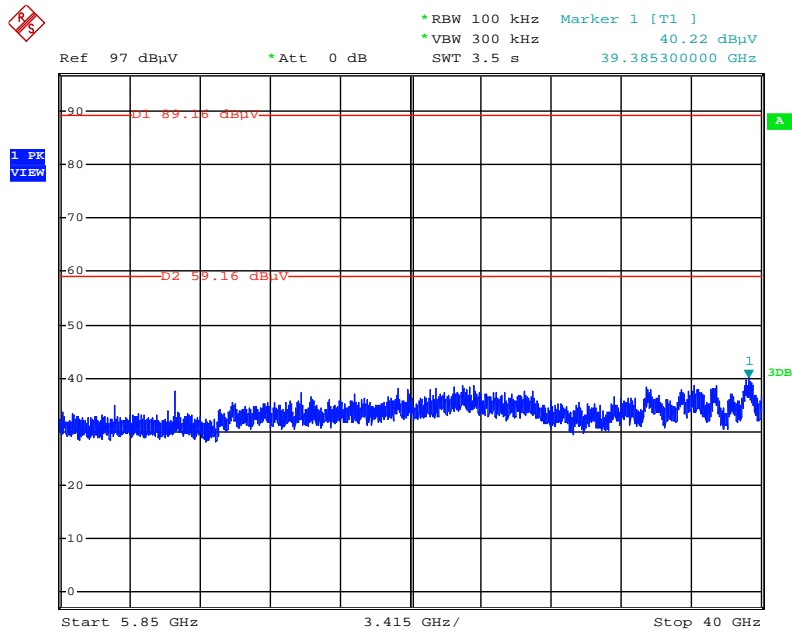
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 1+2+3



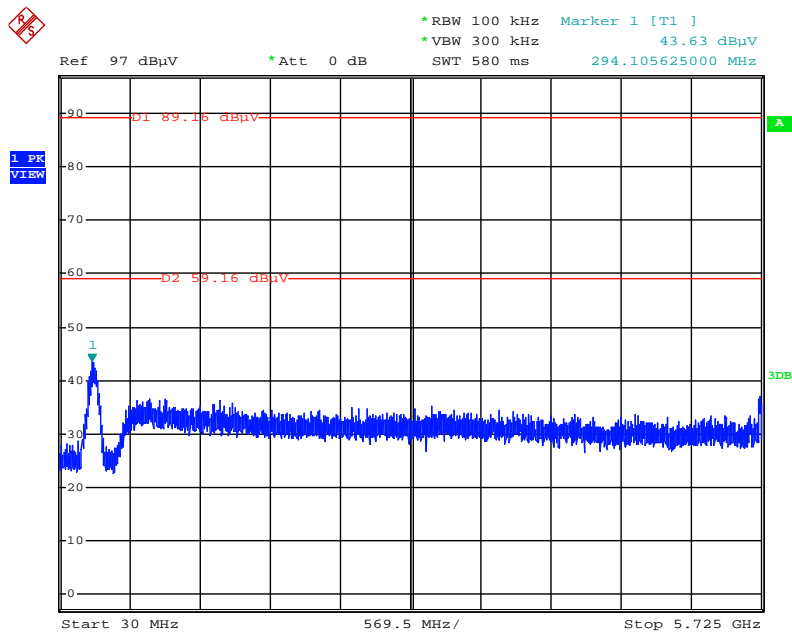
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 1+2+3



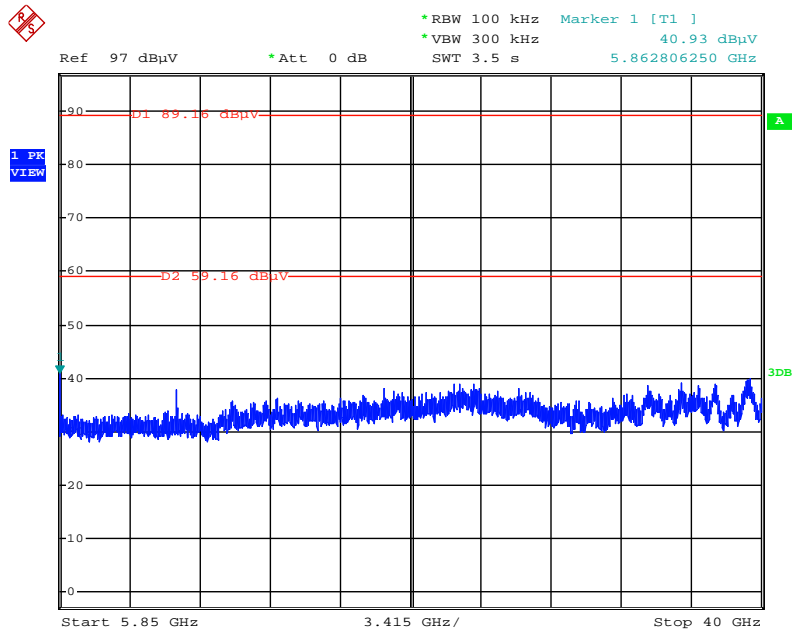
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 157 / Ant. 1+2+3



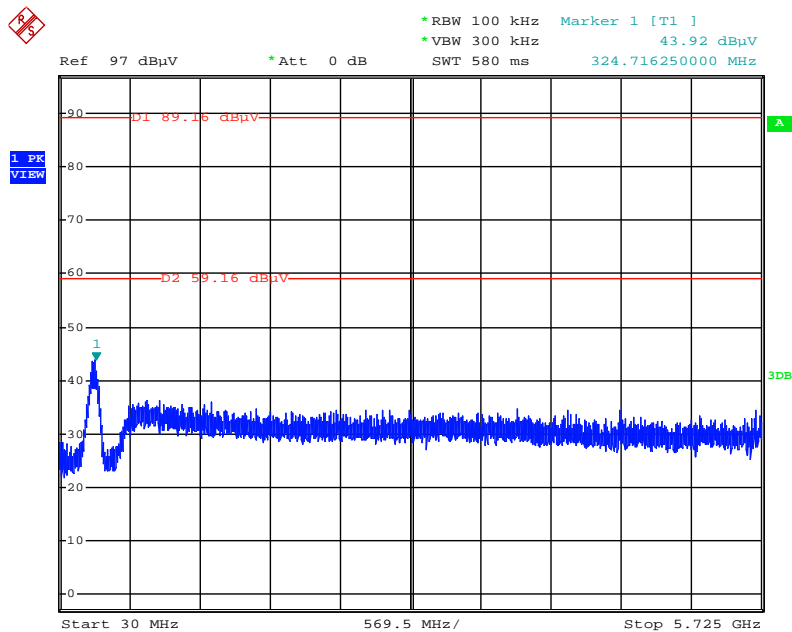
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 157 / Ant. 1+2+3



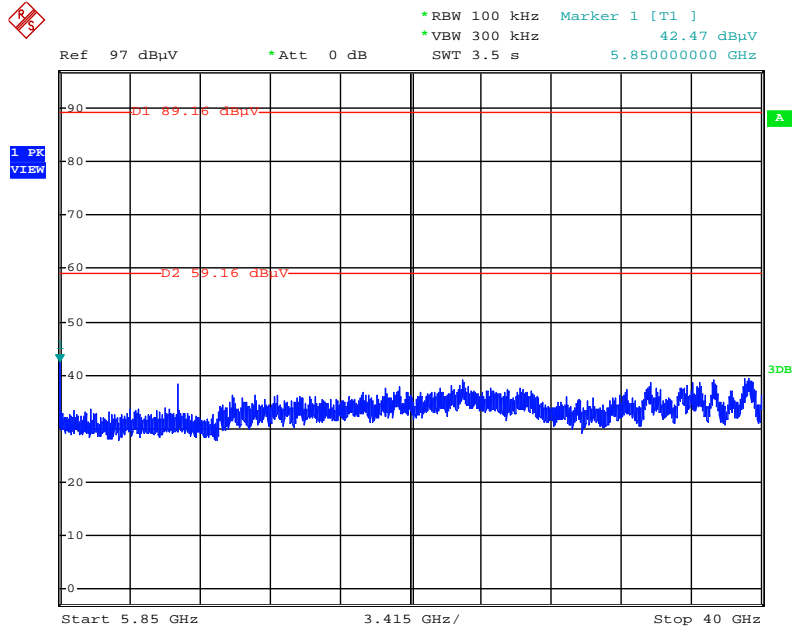
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 1+2+3



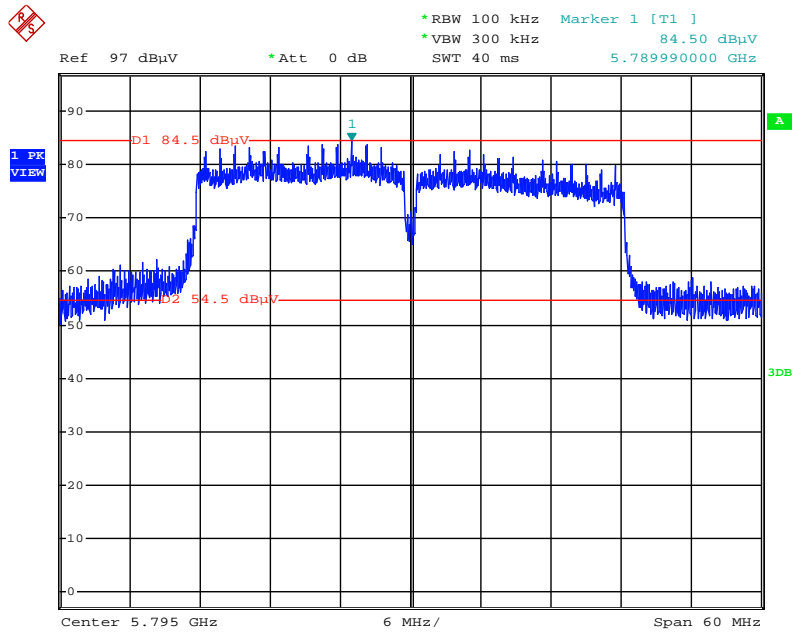
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 1+2+3



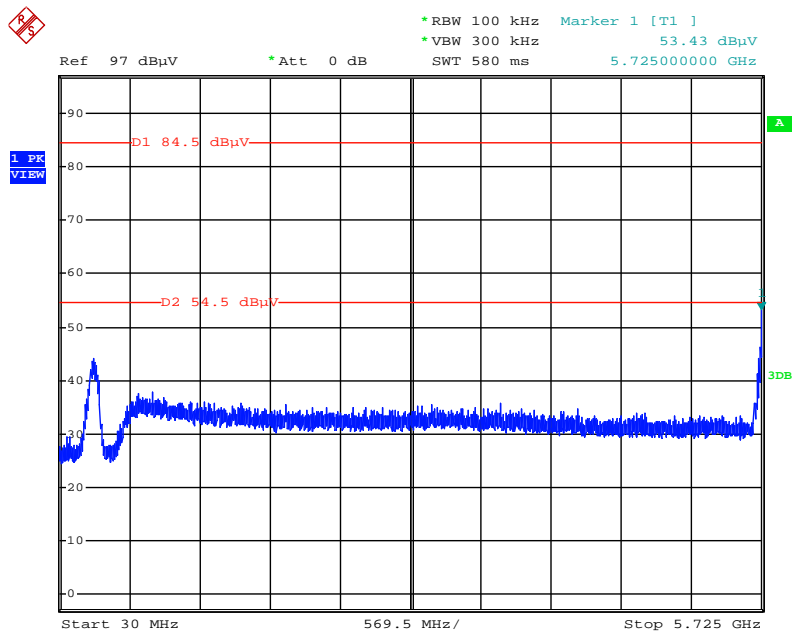
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz / Reference Level / Ant. 1



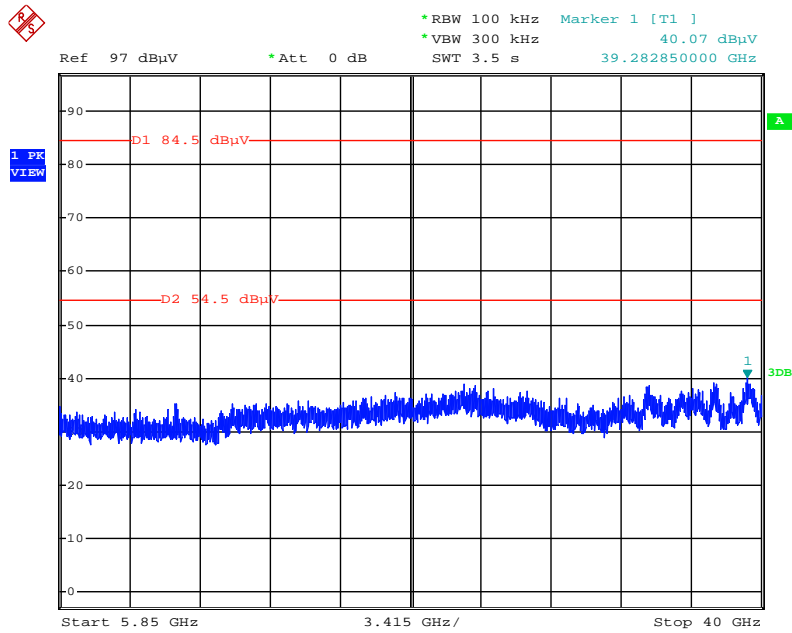
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 1



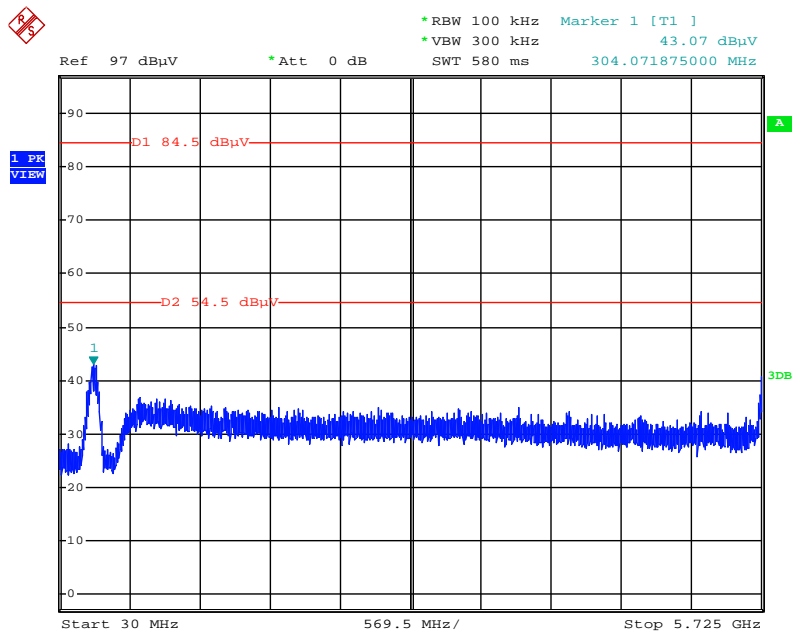
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 1



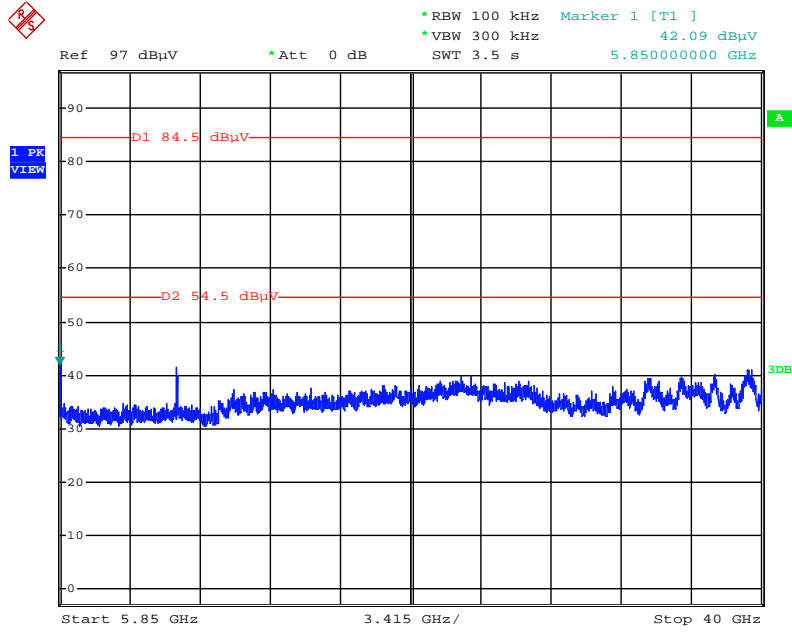
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 1



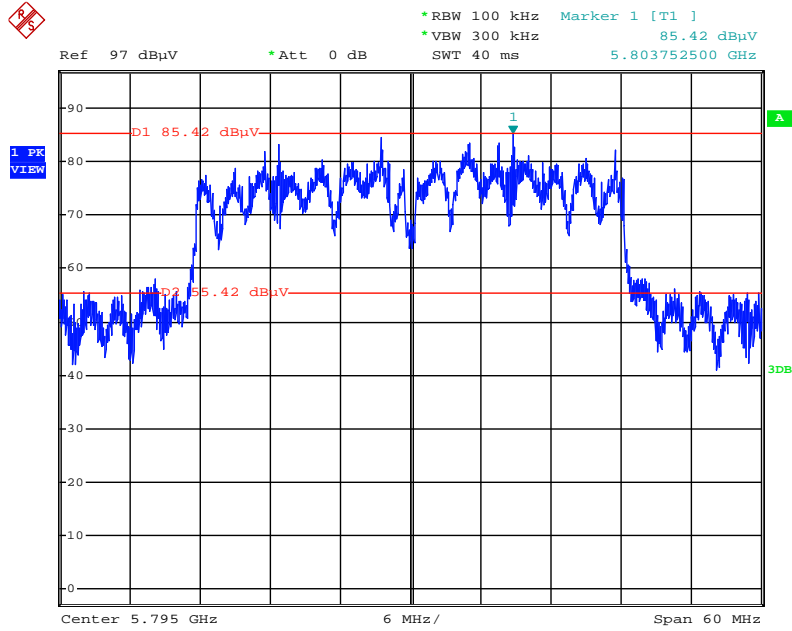
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 1



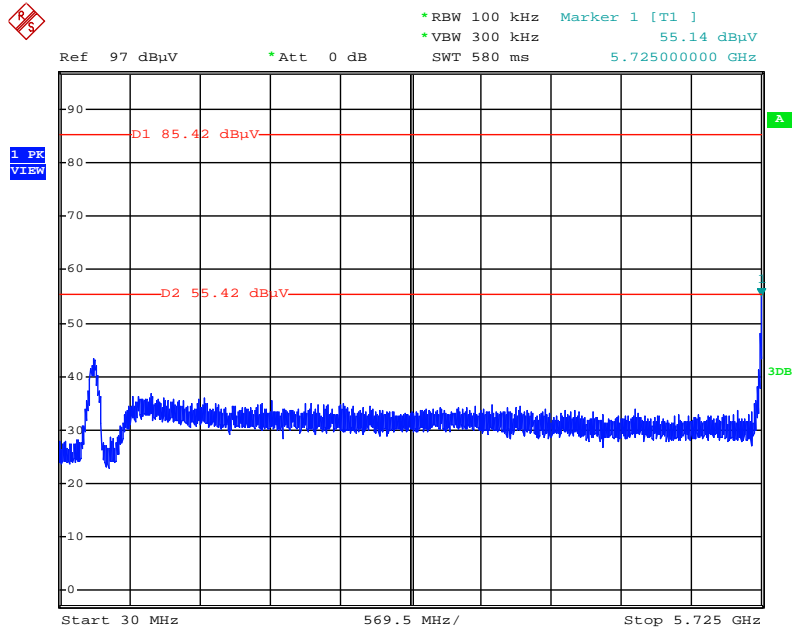
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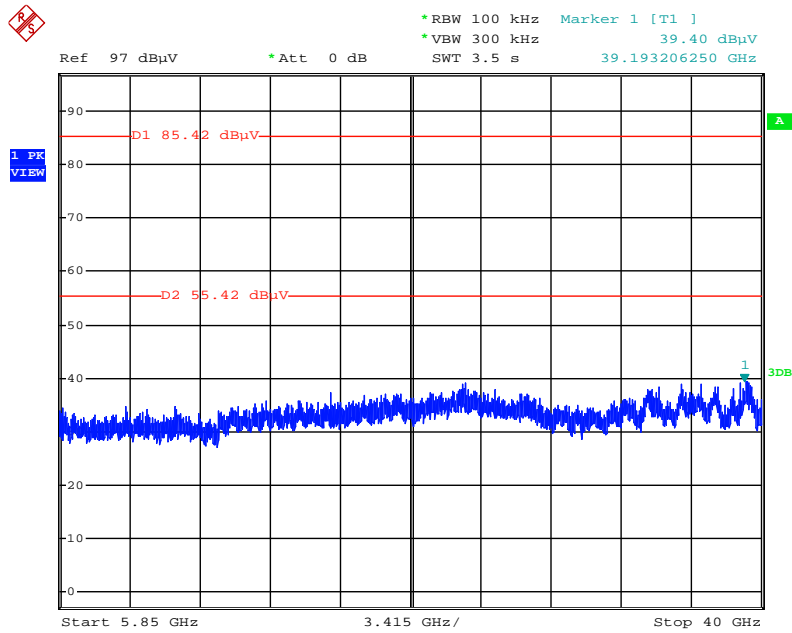
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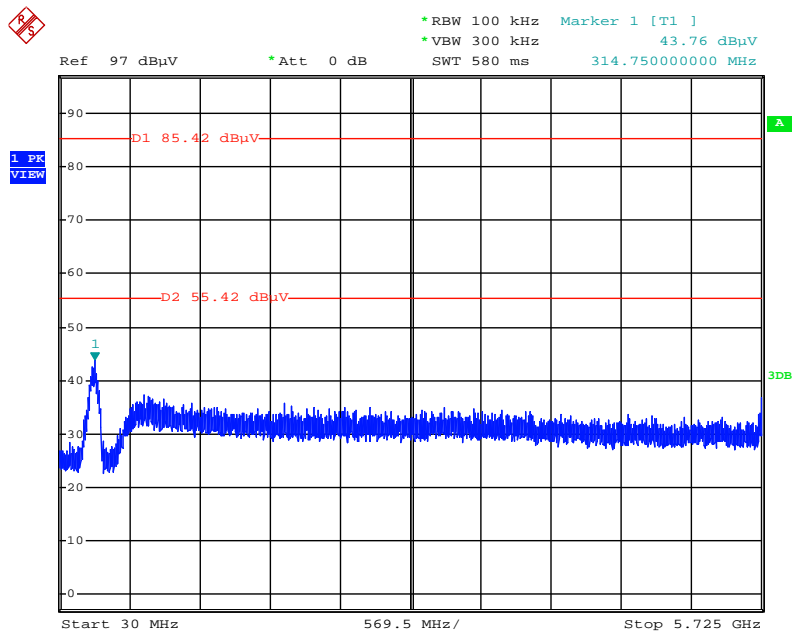
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 1+2+3



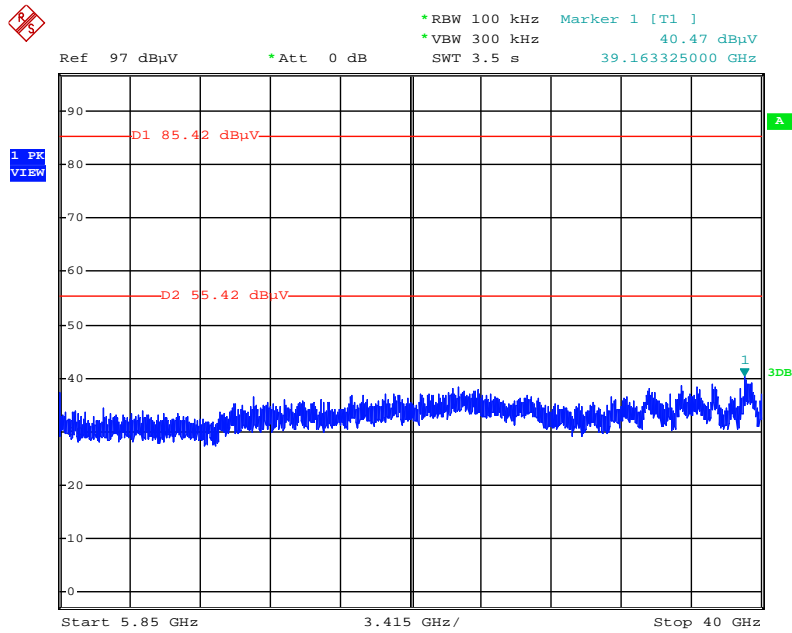
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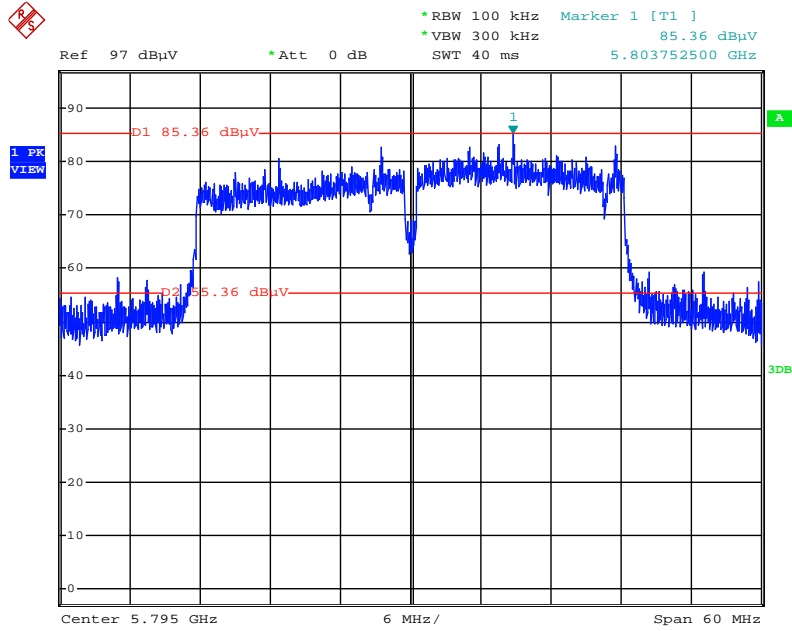
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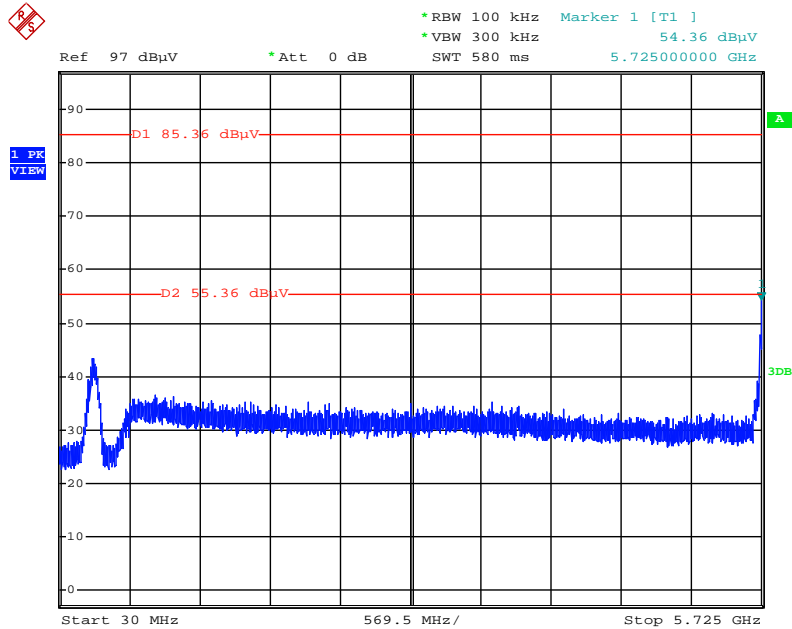
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / Reference Level / Ant. 1+2+3



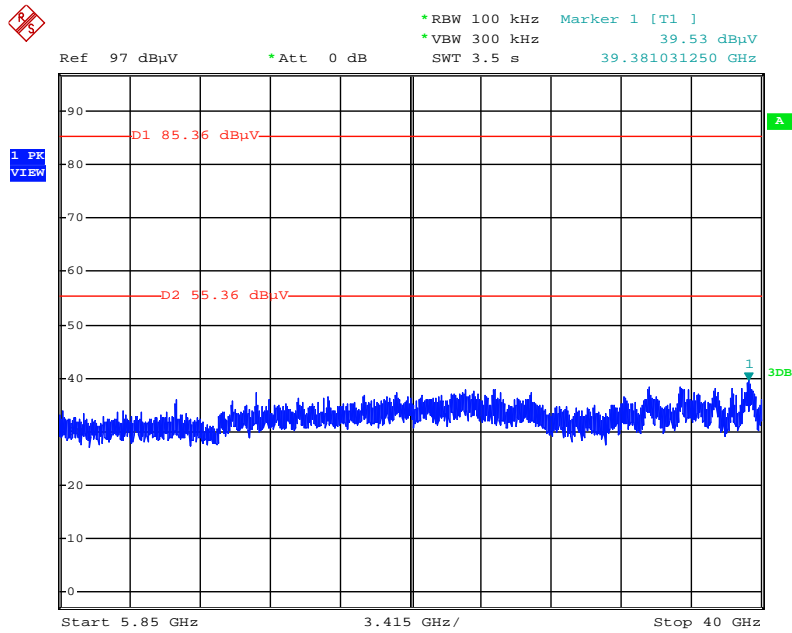
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 1+2+3



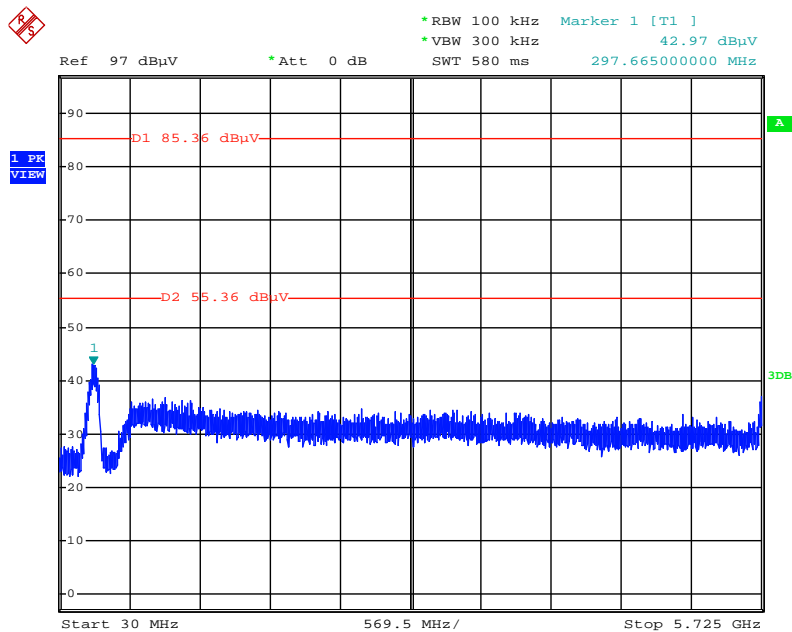
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 1+2+3



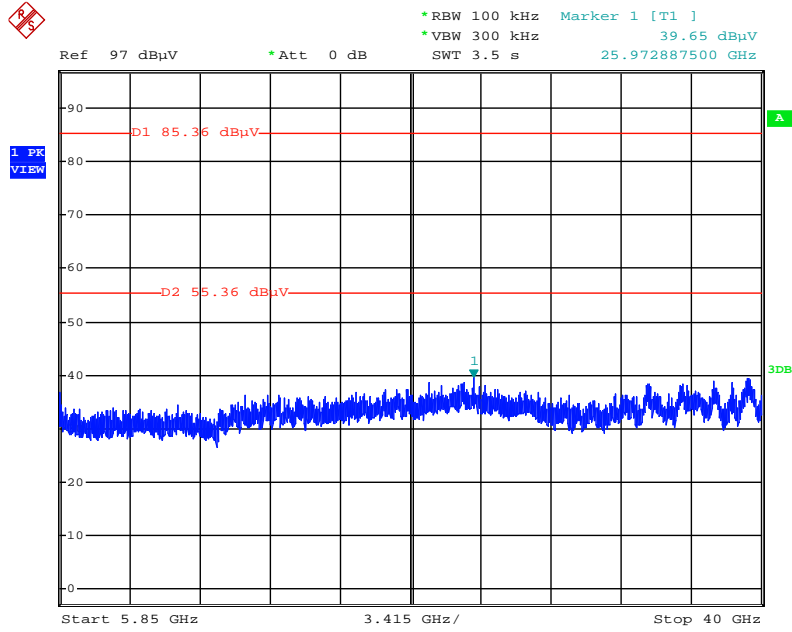
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 159 / Ant. 1+2+3



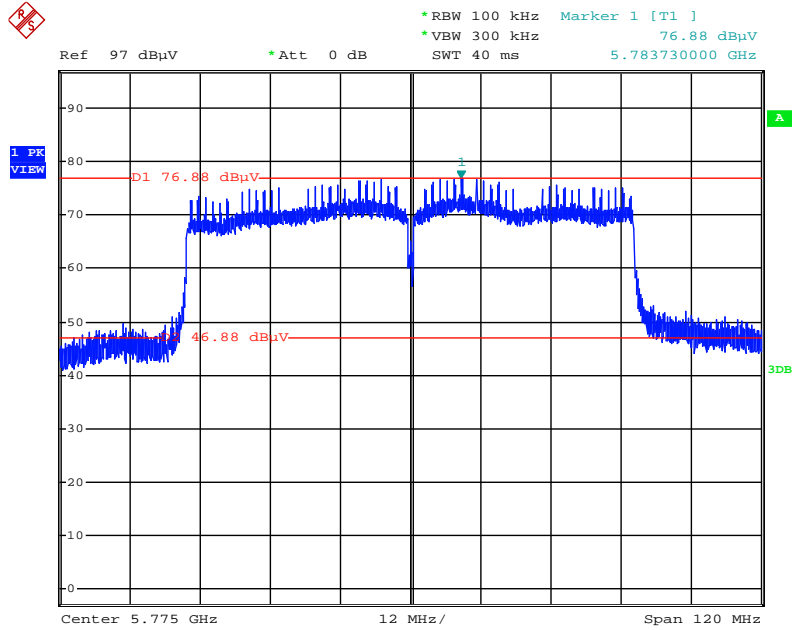
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 159 / Ant. 1+2+3



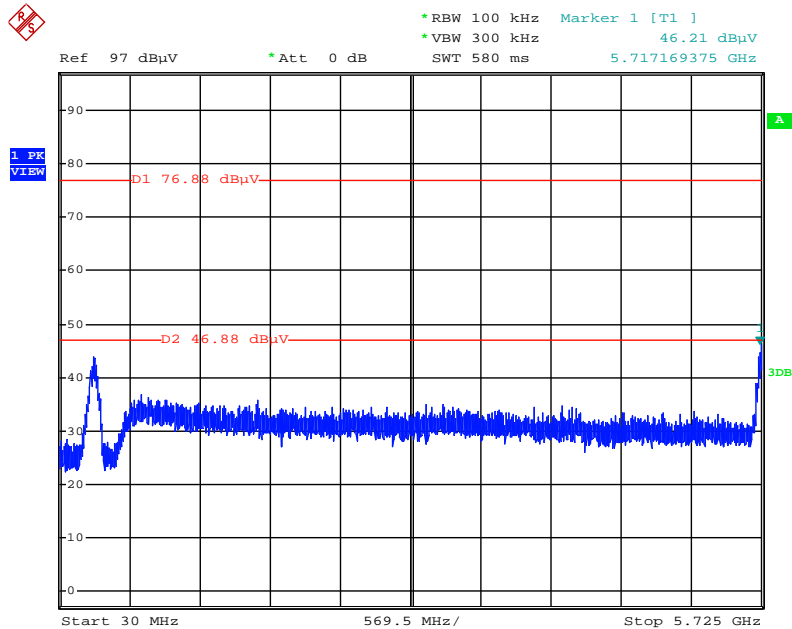
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Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz / Reference Level / Ant. 3



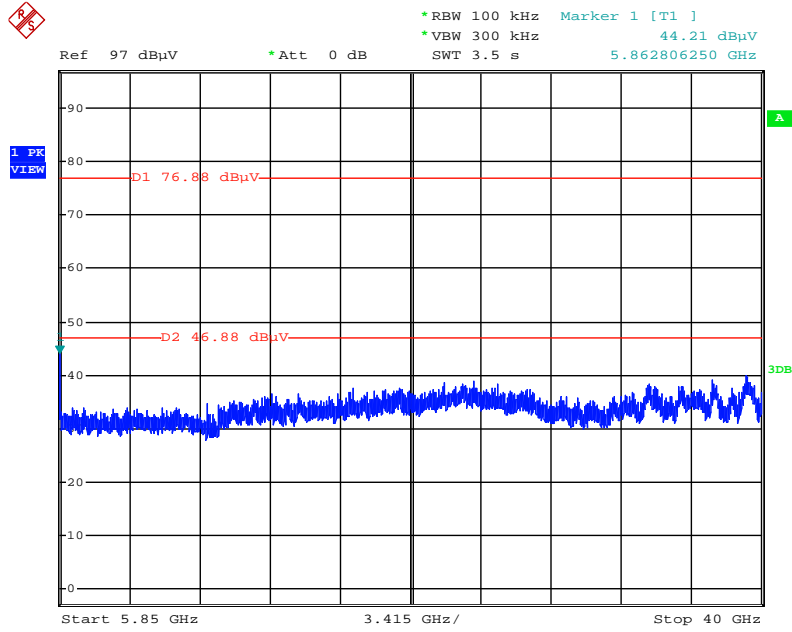
Date: 7.FEB.2014 18:40:45

Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 3



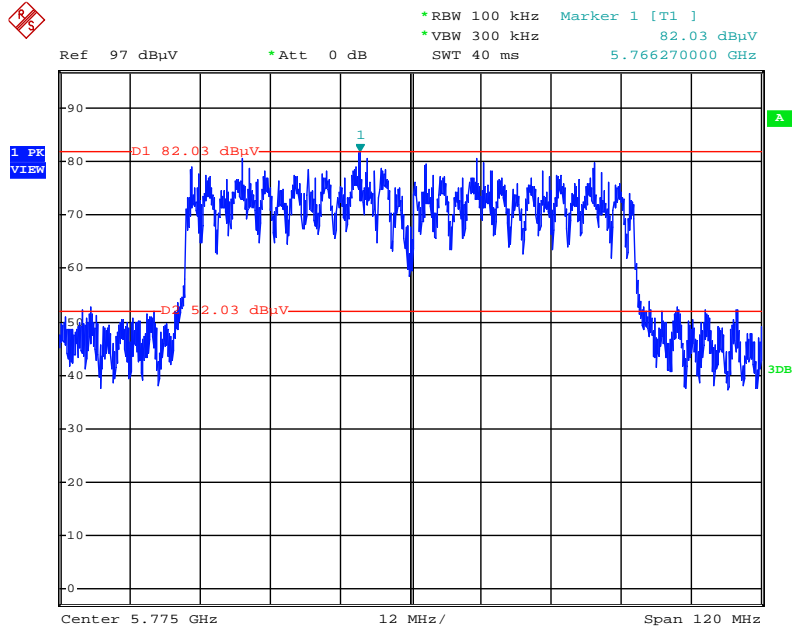
Date: 7.FEB.2014 18:41:11

Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 3



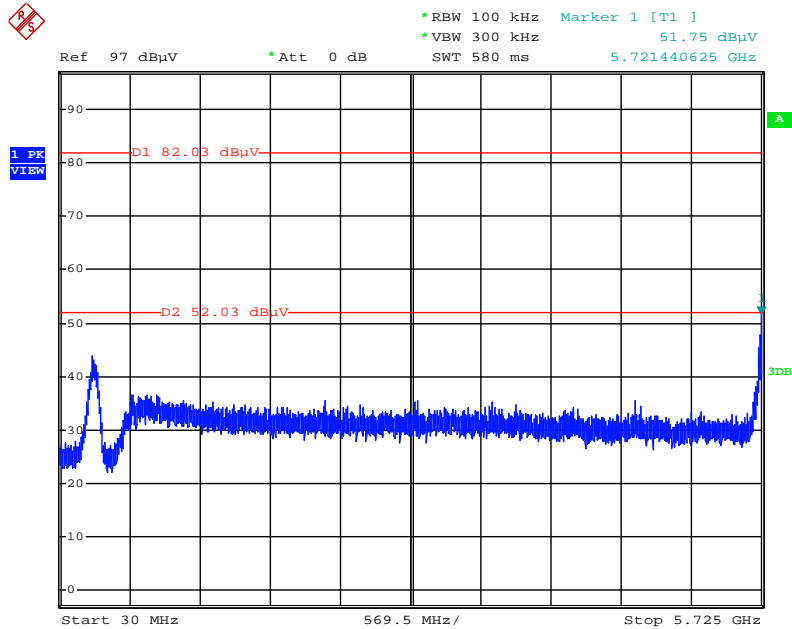
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Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / Reference Level / Ant. 1+2+3



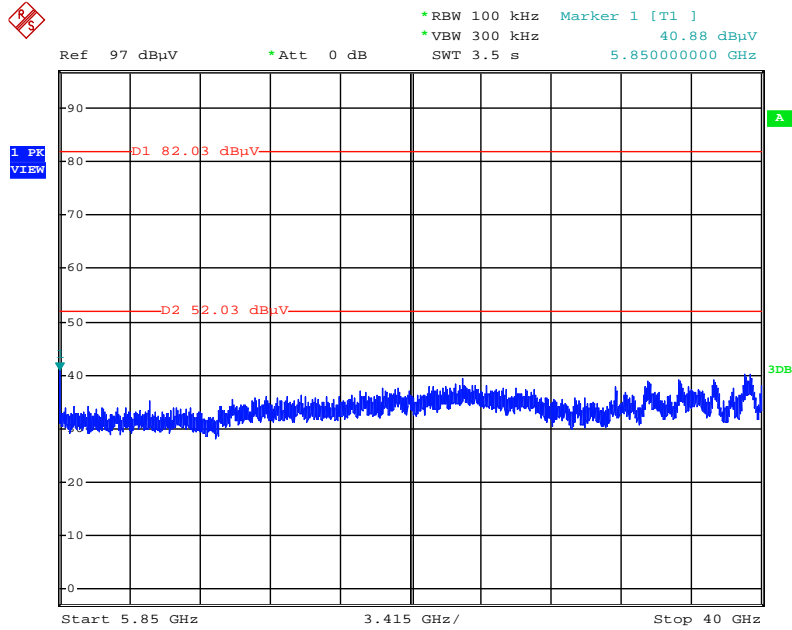
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Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 1+2+3



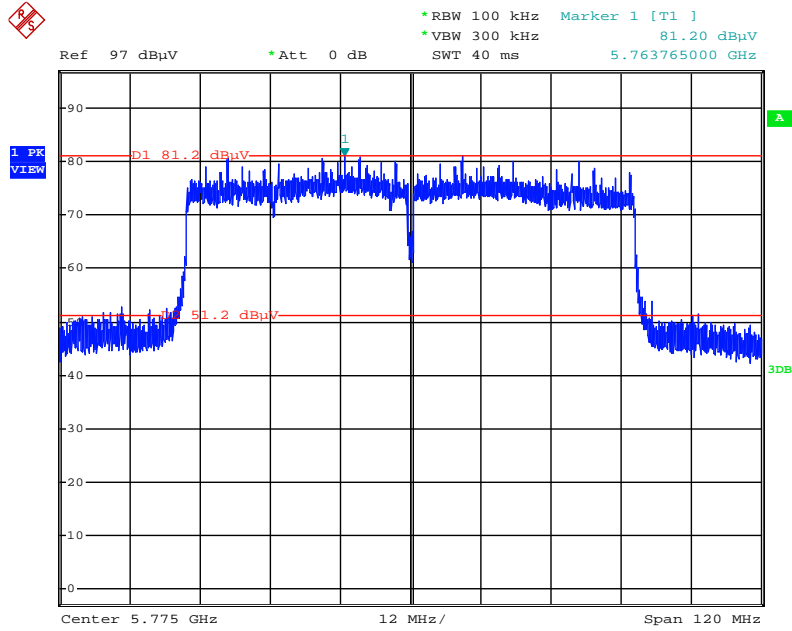
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Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 1+2+3



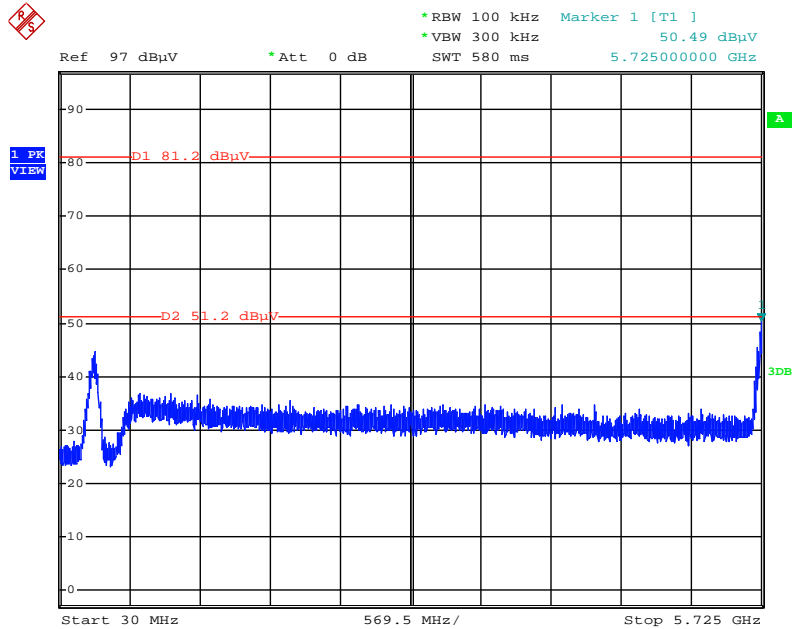
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Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / Reference Level / Ant. 1+2+3



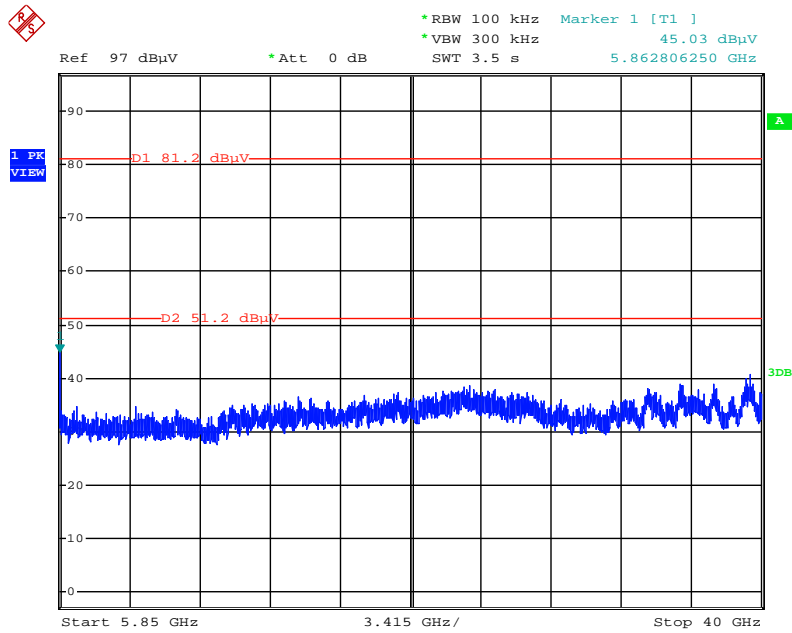
Date: 7.FEB.2014 18:02:57

Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 1+2+3



Date: 7.FEB.2014 18:04:25

Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 1+2+3

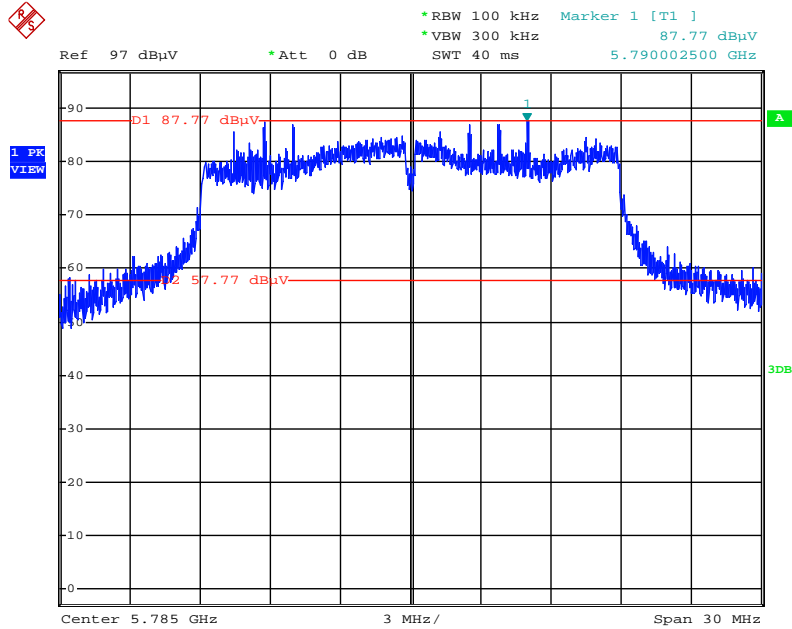


Date: 7.FEB.2014 18:05:00

For Beamforming

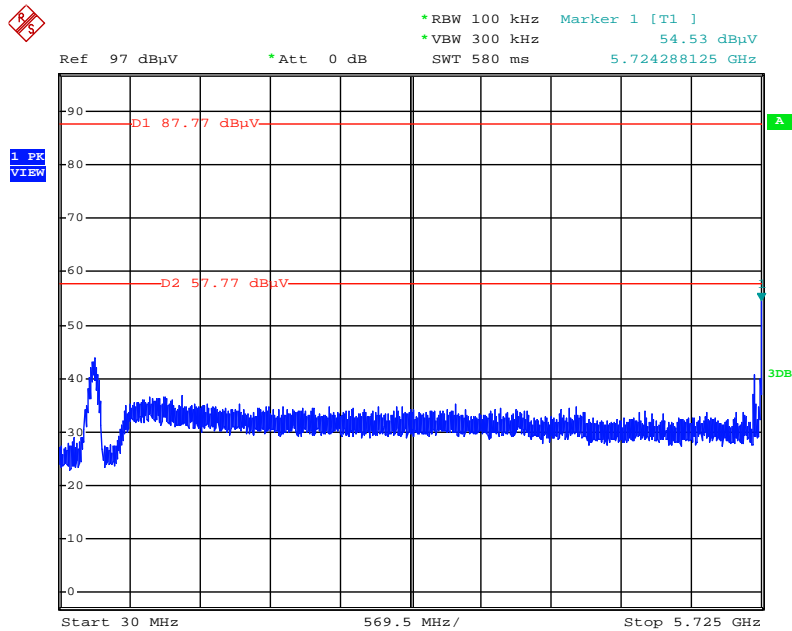
Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / Reference Level /

Ant. 1+2+3



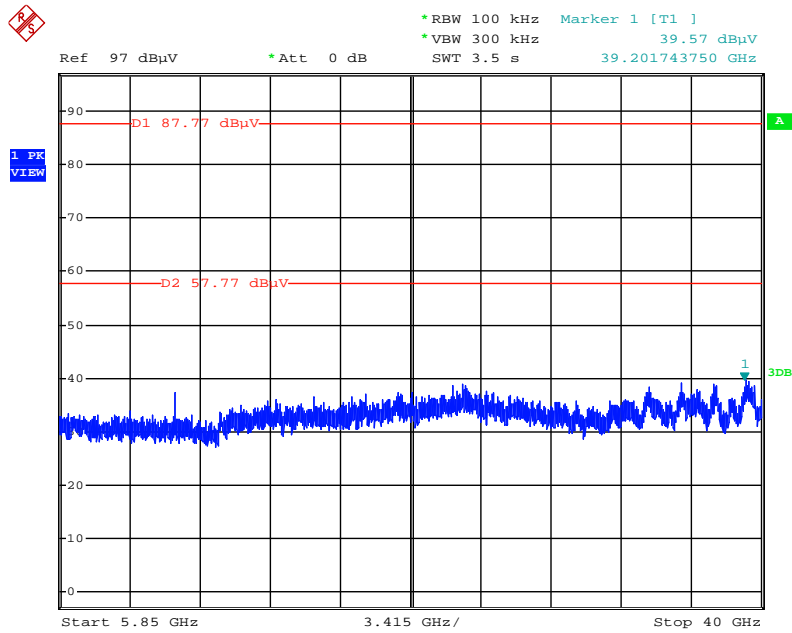
Date: 10.FEB.2014 15:29:27

Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 1+2+3



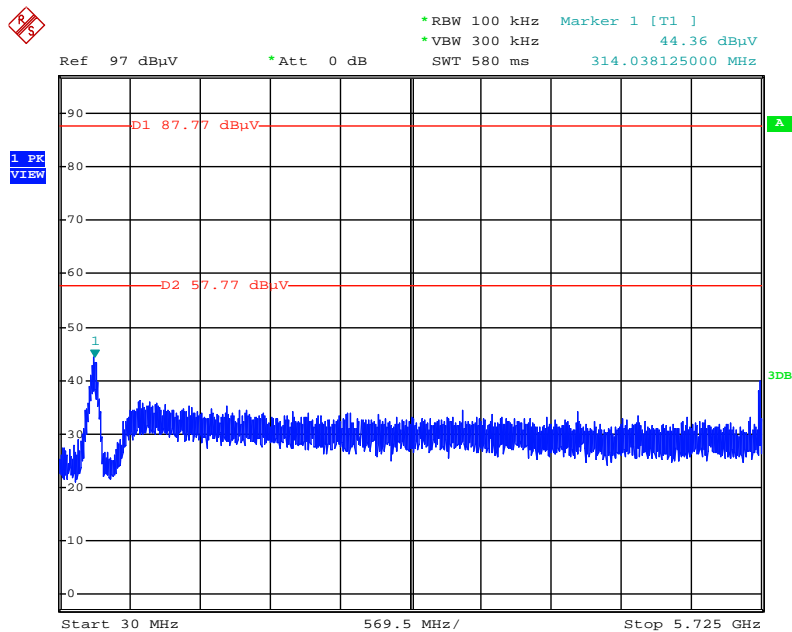
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 149 / Ant. 1+2+3



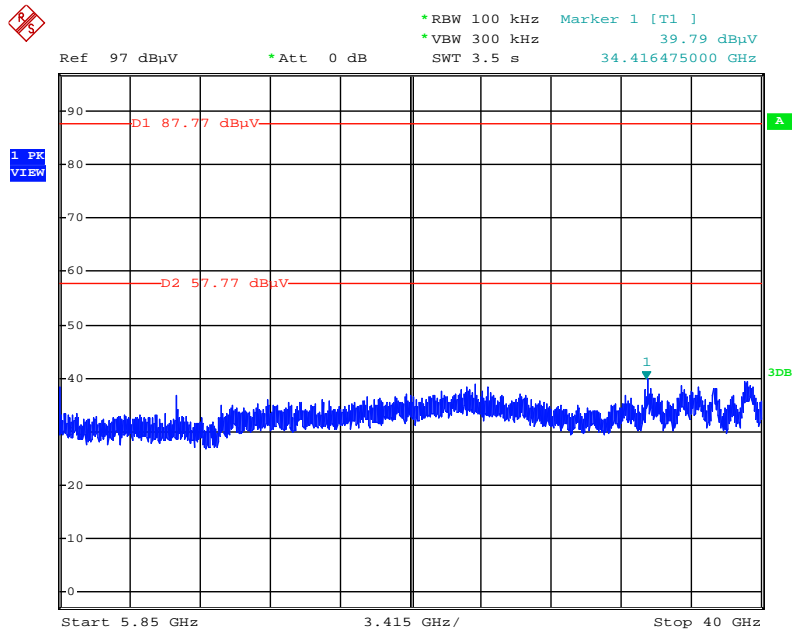
Date: 10.FEB.2014 15:31:20

Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 1+2+3



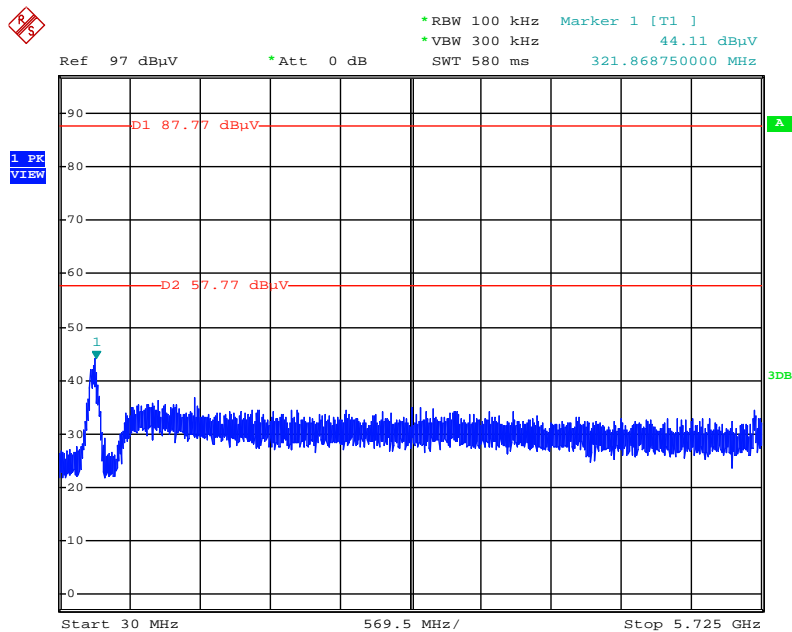
Date: 10.FEB.2014 15:29:44

Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 157 / Ant. 1+2+3



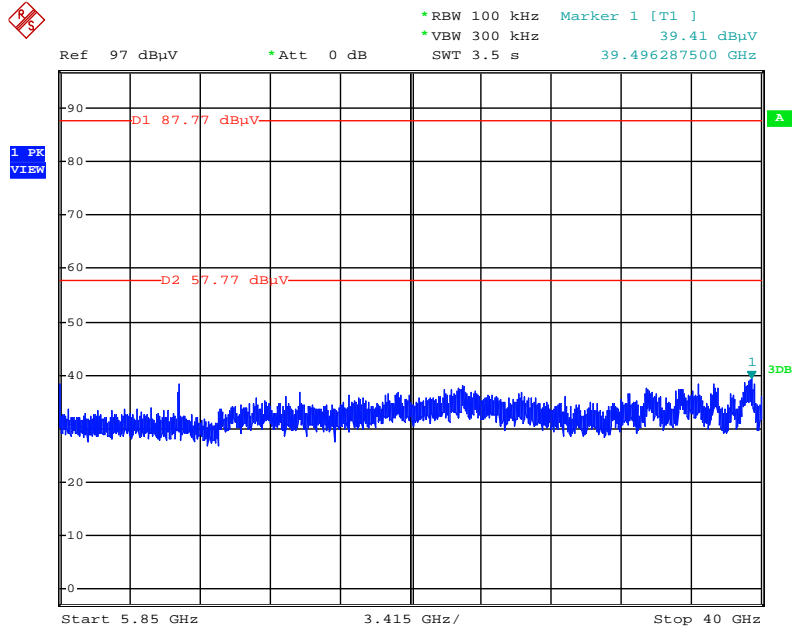
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 1+2+3



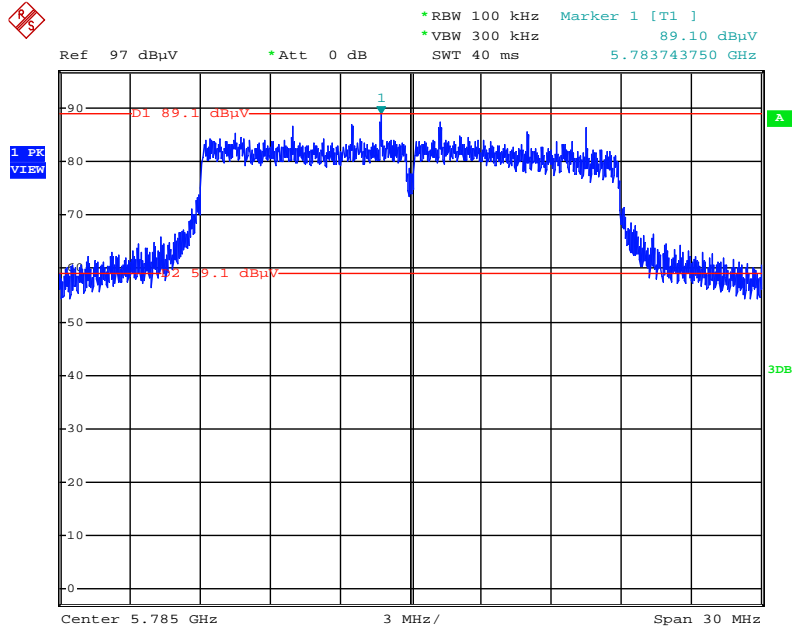
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss1MCS0 / CH 165 / Ant. 1+2+3



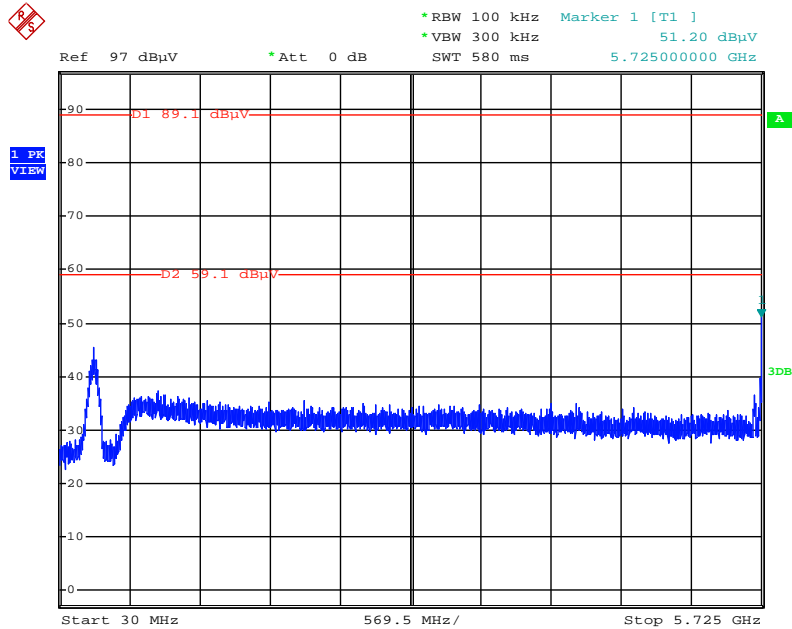
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / Reference Level / Ant. 1+2+3



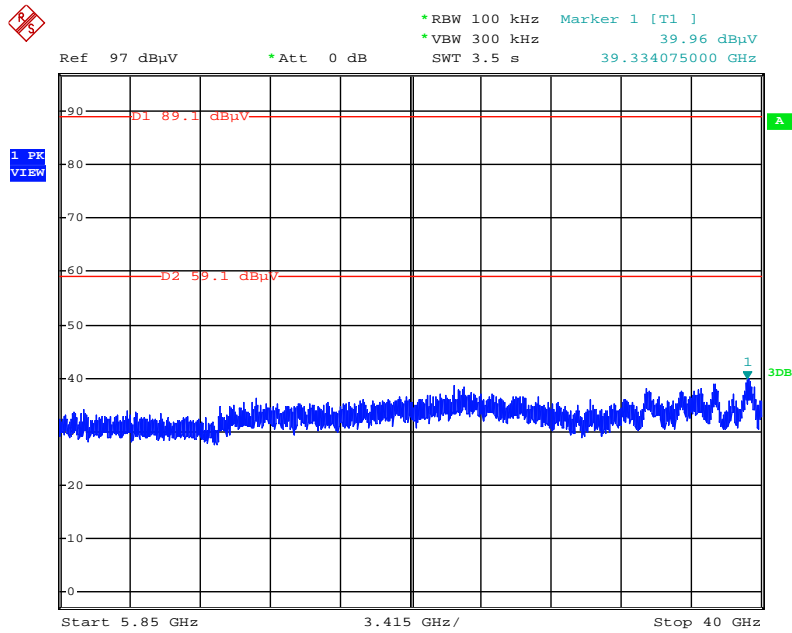
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 1+2+3



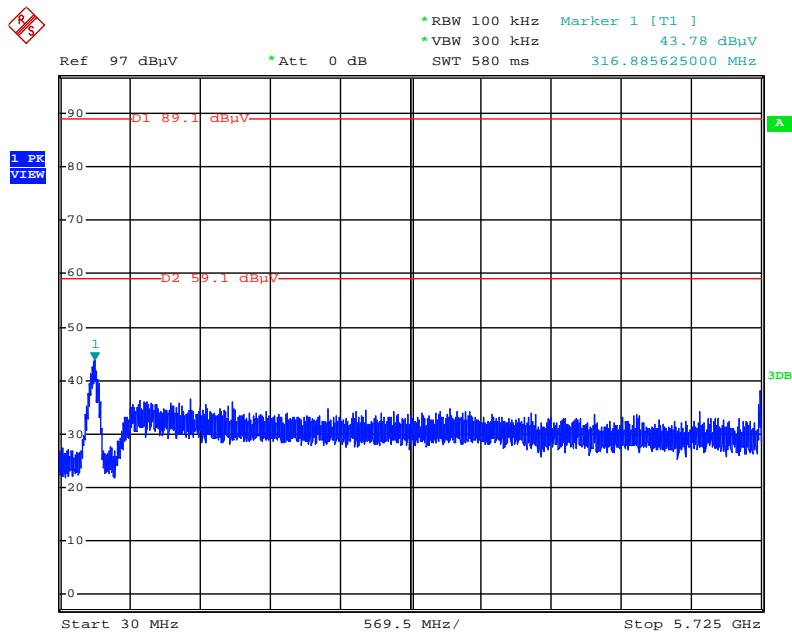
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 149 / Ant. 1+2+3



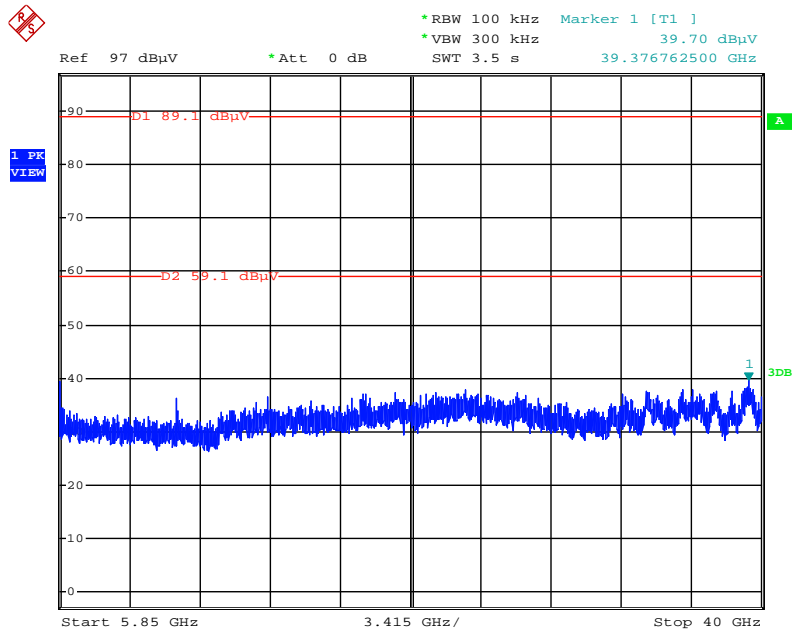
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 157 / Ant. 1+2+3



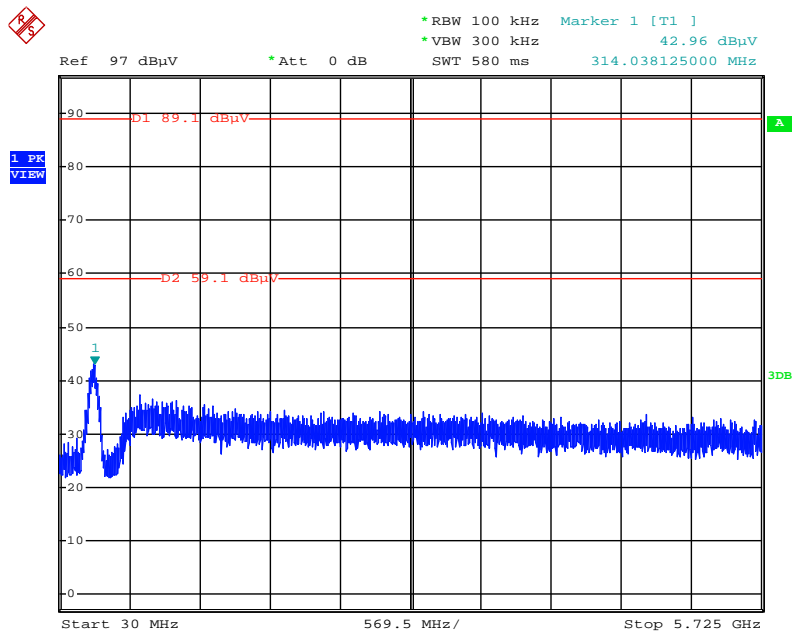
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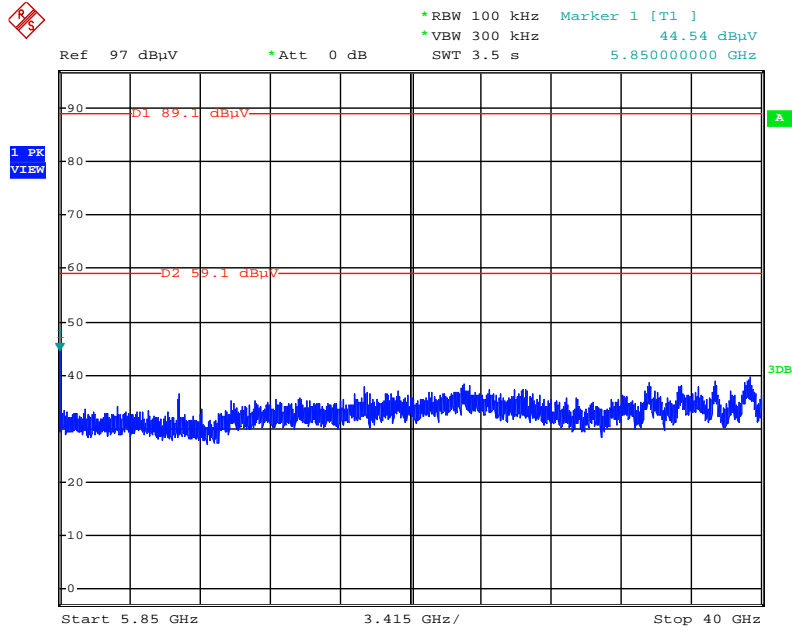
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 1+2+3



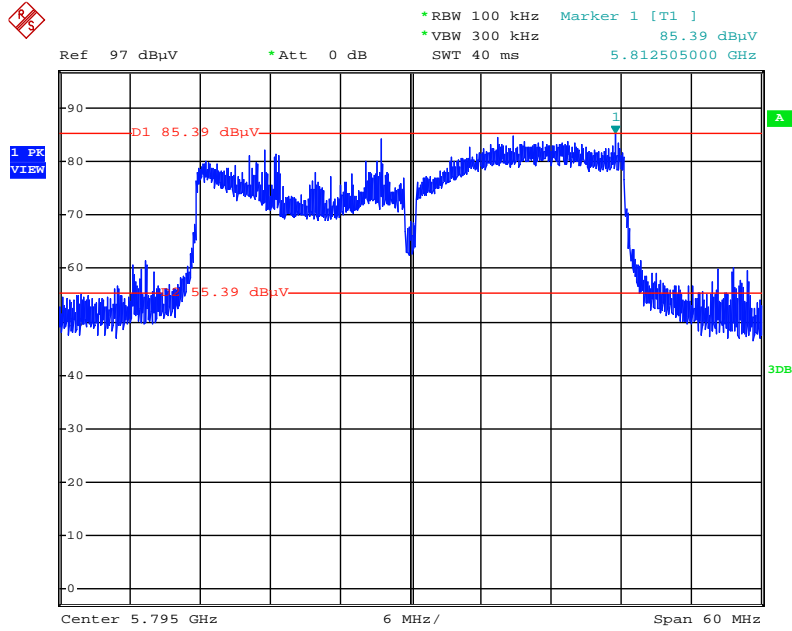
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Low Band Edge Plot on Configuration IEEE 802.11ac 20MHz Nss2MCS0 / CH 165 / Ant. 1+2+3



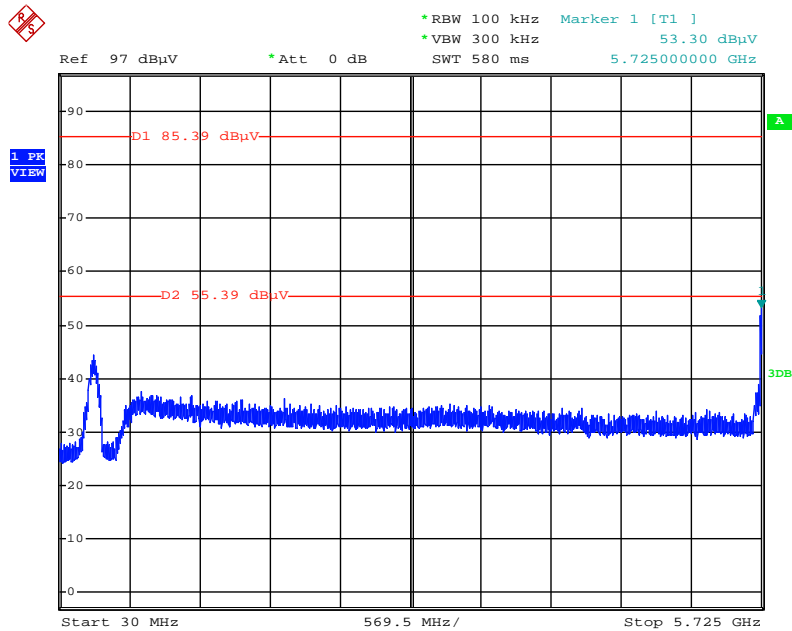
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / Reference Level / Ant. 1+2+3



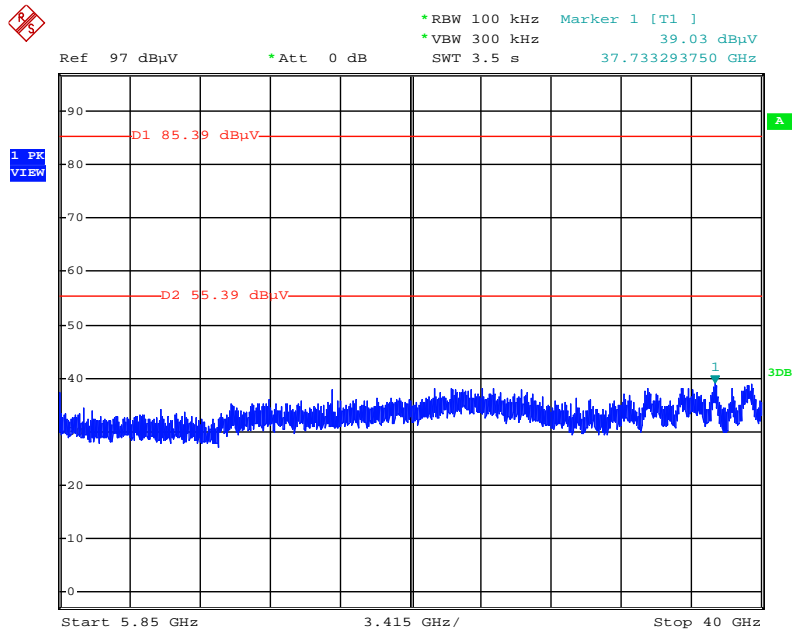
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 1+2+3



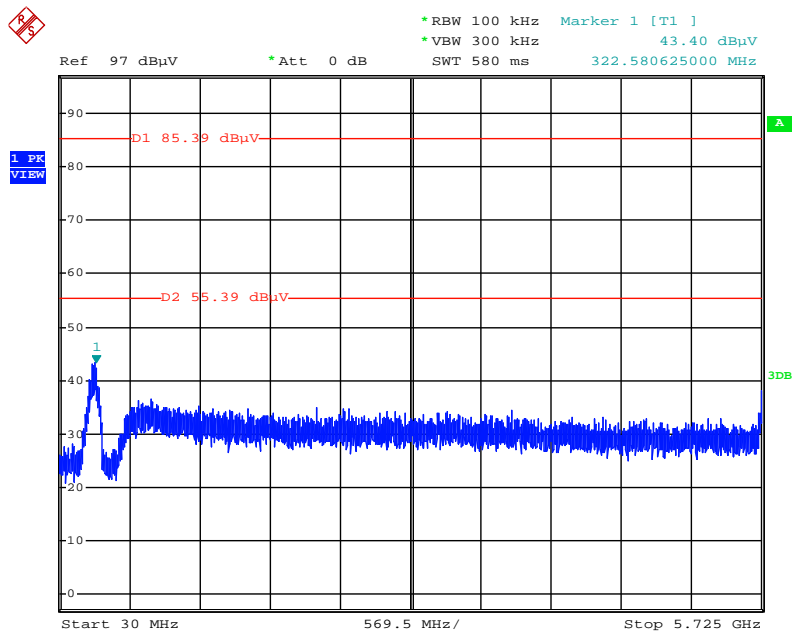
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 151 / Ant. 1+2+3



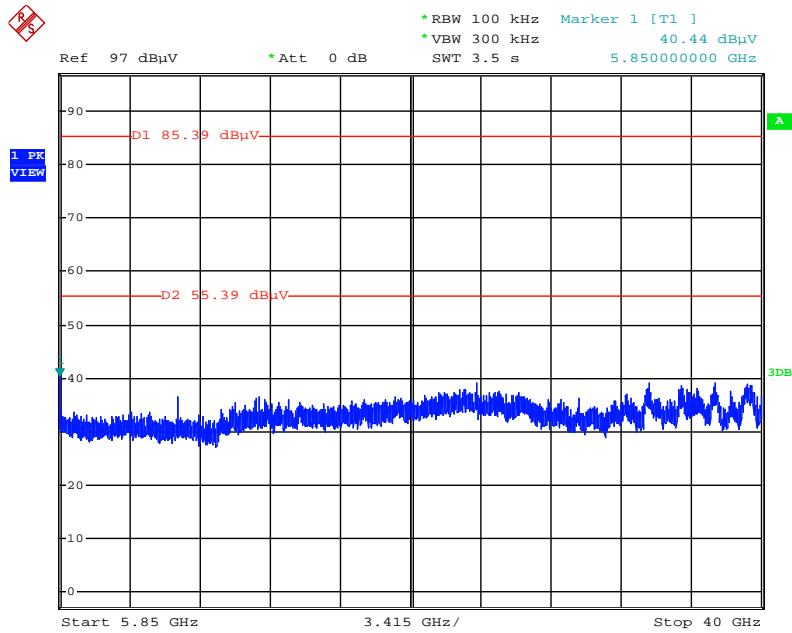
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 1+2+3



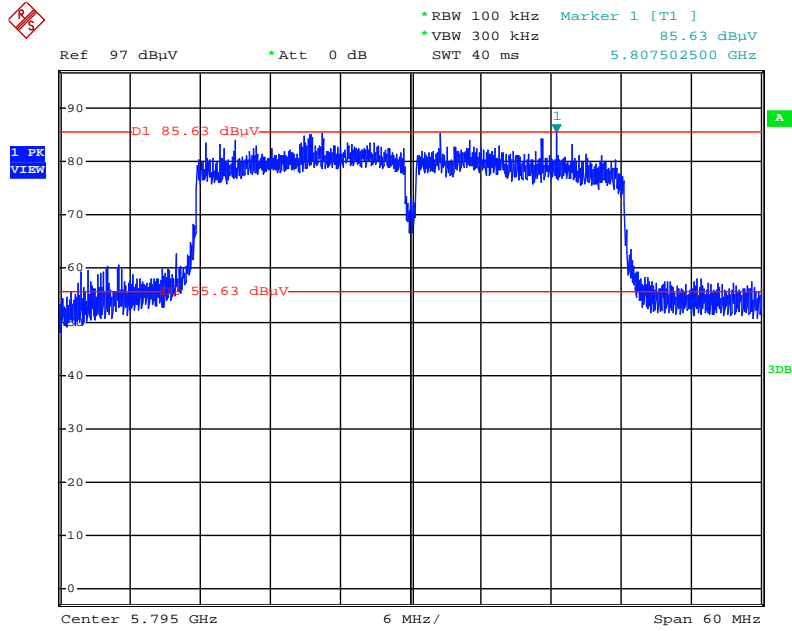
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss1MCS0 / CH 159 / Ant. 1+2+3



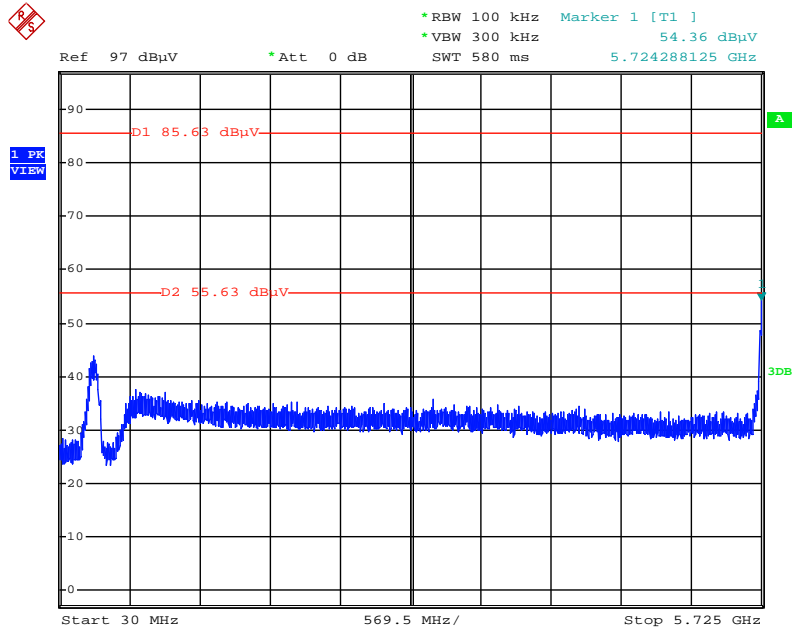
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / Reference Level / Ant. 1+2+3



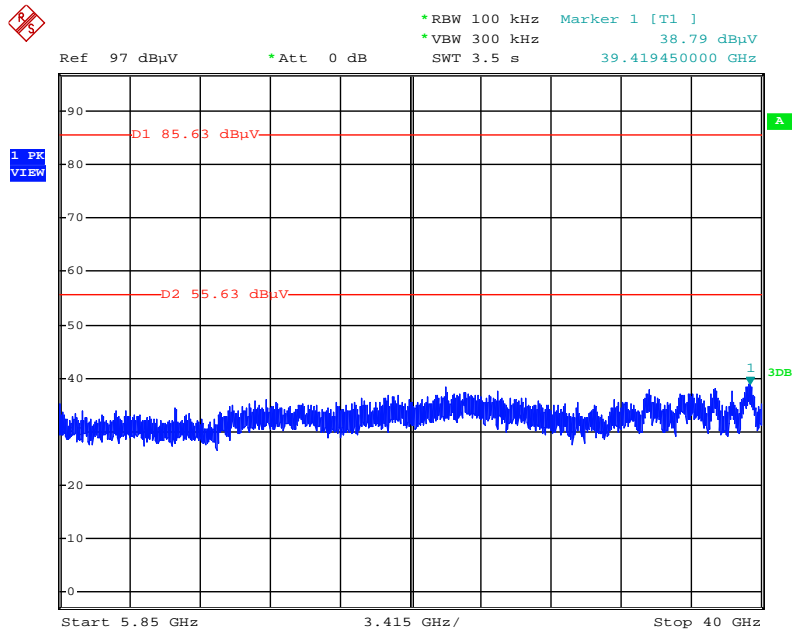
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 1+2+3



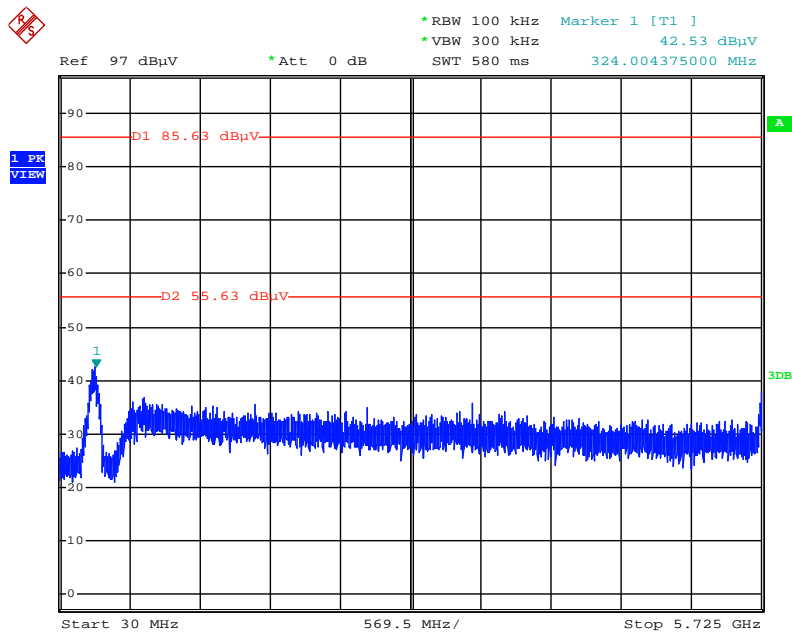
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 151 / Ant. 1+2+3



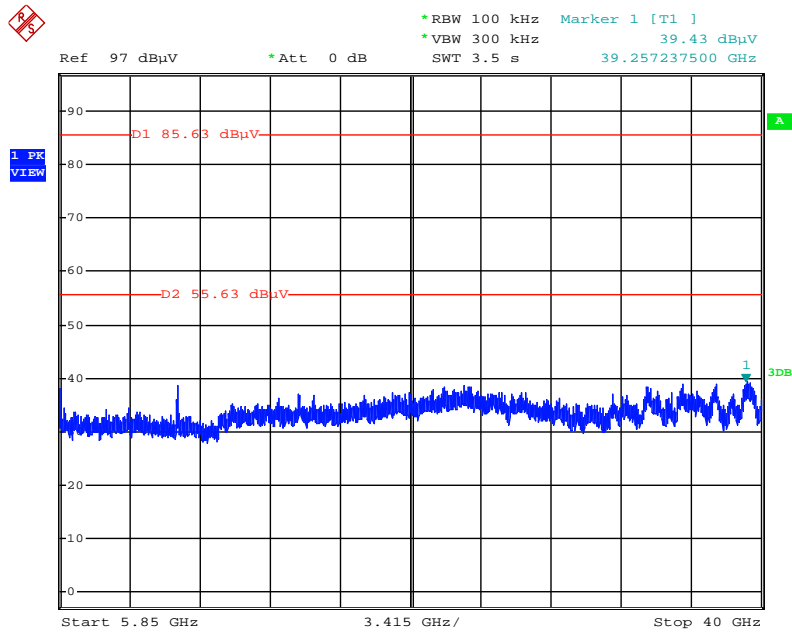
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Low Band Edge Plot on Configuration IEEE 802.11ac 40MHz Nss2MCS0 / CH 159 / Ant. 1+2+3



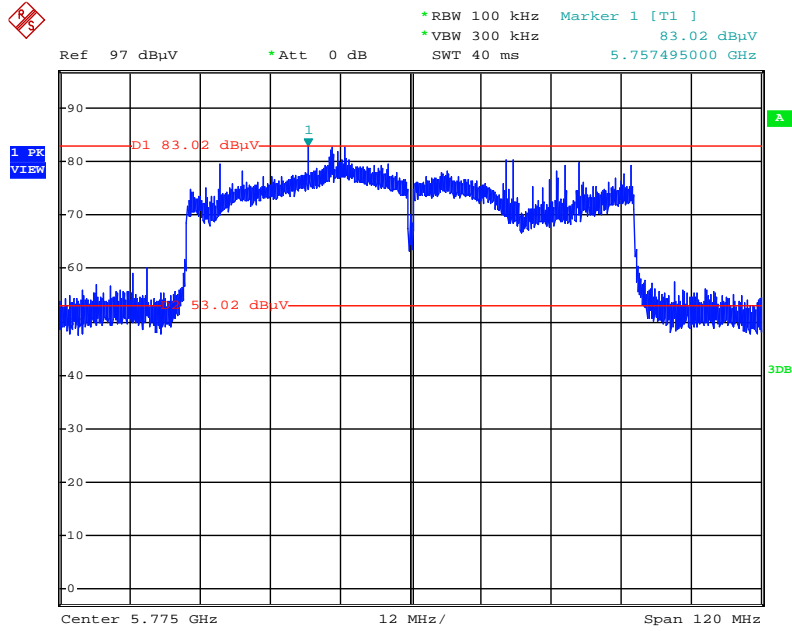
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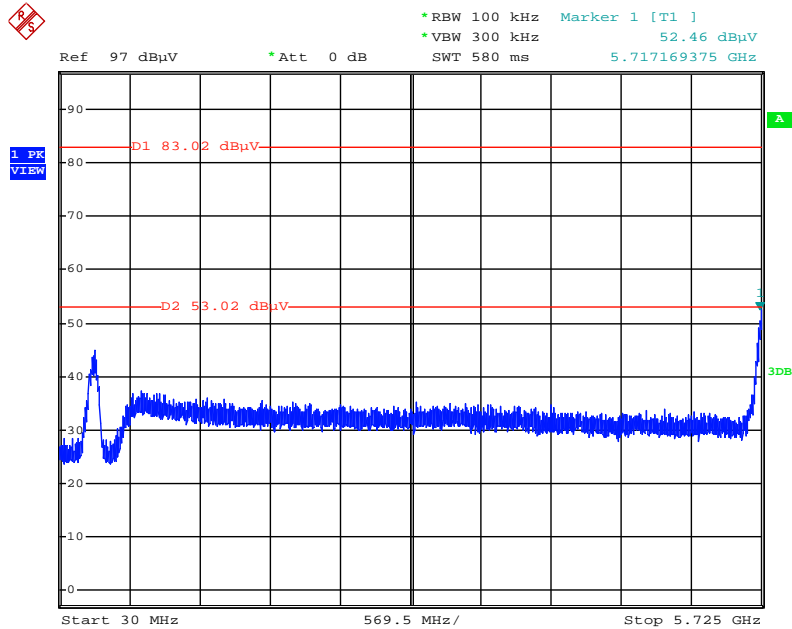
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Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / Reference Level / Ant. 1+2+3



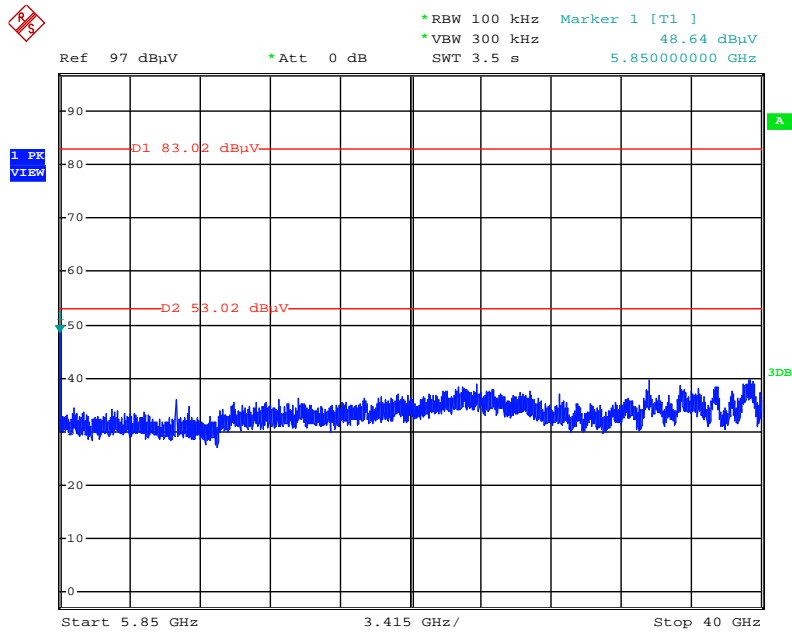
Date: 10.FEB.2014 15:10:13

Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 1+2+3



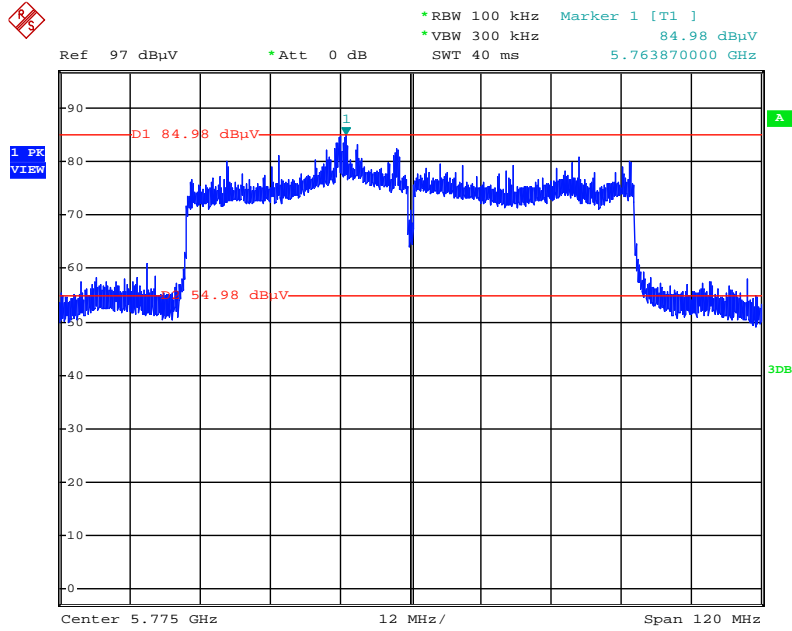
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Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss1MCS0 / CH 155 / Ant. 1+2+3



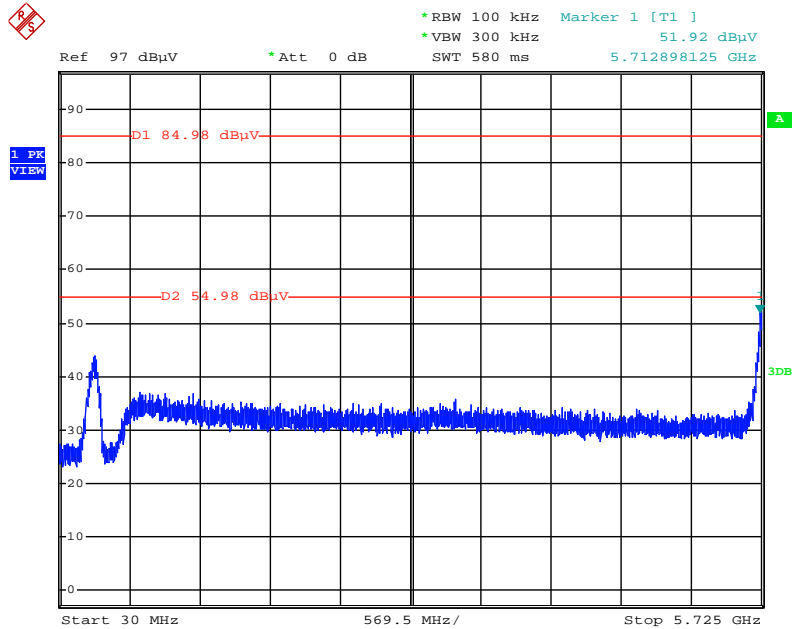
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Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / Reference Level / Ant. 1+2+3



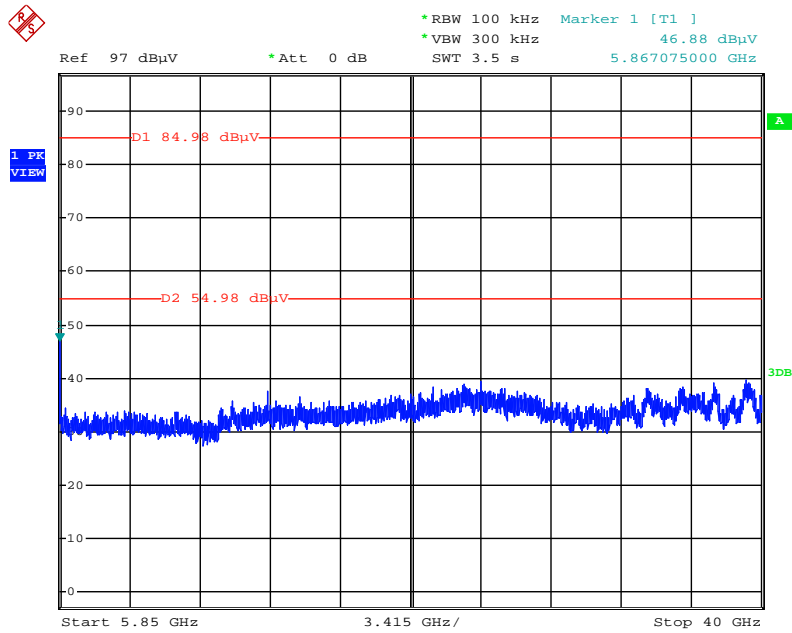
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Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 1+2+3



Date: 10.FEB.2014 15:05:44

Low Band Edge Plot on Configuration IEEE 802.11ac 80MHz Nss2MCS0 / CH 155 / Ant. 1+2+3



Date: 10.FEB.2014 15:06:27

4.7. Antenna Requirements

4.7.1. 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.

4.7.2. Antenna Connector Construction

Please refer to section 2.4 in this test report; antenna connector complied with the requirements.

5. LIST OF MEASURING EQUIPMENTS

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Remark |
|----------------------------|--------------|------------------|-------------|------------------|------------------|-----------------------|
| EMI Test Receiver | R&S | ESCS 30 | 100355 | 9kHz ~ 2.75 GHz | Apr. 12, 2013 | Conduction (CO01-CB) |
| LISN | F.C.C. | FCC-LISN-50-16-2 | 04083 | 150kHz ~ 100 MHz | Nov. 23, 2013 | Conduction (CO01-CB) |
| LISN | Schwarzbeck | NSLK 8127 | 8127647 | 9kHz ~ 30MHz | Nov. 23, 2013 | Conduction (CO01-CB) |
| COND Cable | Woken | Cable | 01 | 150kHz ~ 30 MHz | Dec. 04, 2013 | Conduction (CO01-CB) |
| Software | Audix | E3 | 5.410e | - | - | Conduction (CO01-CB) |
| BILOG ANTENNA | Schaffner | CBL6112D | 22021 | 20MHz ~ 2GHz | Apr. 16, 2013 | Radiation (03CH01-CB) |
| Loop Antenna | Teseq | HLA 6120 | 24155 | 9kHz - 30 MHz | Nov. 05, 2012* | Radiation (03CH01-CB) |
| Horn Antenna | EMCO | 3115 | 00075790 | 750MHz~18GHz | Nov. 01, 2013 | Radiation (03CH01-CB) |
| Horn Antenna | SCHWARZBEAK | BBHA 9170 | BBHA9170252 | 15GHz ~ 40GHz | Dec. 17, 2013 | Radiation (03CH01-CB) |
| Pre-Amplifier | Agilent | 8447D | 2944A10991 | 0.1MHz ~ 1.3GHz | Nov. 12, 2013 | Radiation (03CH01-CB) |
| Pre-Amplifier | Agilent | 8449B | 3008A02310 | 1GHz ~ 26.5GHz | Dec. 16, 2013 | Radiation (03CH01-CB) |
| Pre-Amplifier | WM | TF-130N-R1 | 923365 | 26GHz ~ 40GHz | Oct. 23, 2013 | Radiation (03CH01-CB) |
| Spectrum analyzer | R&S | FSP40 | 100019 | 9kHz~40GHz | Dec. 02, 2013 | Radiation (03CH01-CB) |
| EMI Test Receiver | Agilent | N9038A | MY52260123 | 9kHz ~ 8GHz | Dec. 12, 2013 | Radiation (03CH01-CB) |
| Turn Table | INN CO | CO 2000 | N/A | 0 ~ 360 degree | N.C.R | Radiation (03CH01-CB) |
| Antenna Mast | INN CO | CO2000 | N/A | 1 m - 4 m | N.C.R | Radiation (03CH01-CB) |
| RF Cable-low | Woken | Low Cable-1 | N/A | 30 MHz - 1 GHz | Nov. 17, 2013 | Radiation (03CH01-CB) |
| RF Cable-high | Woken | High Cable-1 | N/A | 1 GHz – 26.5 GHz | Nov. 17, 2013 | Radiation (03CH01-CB) |
| RF Cable-high | Woken | High Cable-2 | N/A | 1 GHz – 26.5 GHz | Nov. 17, 2013 | Radiation (03CH01-CB) |
| RF Cable-high | Woken | High Cable-3 | N/A | 1 GHz - 40 GHz | Nov. 17, 2013 | Radiation (03CH01-CB) |
| RF Cable-high | Woken | High Cable-4 | N/A | 1 GHz - 40 GHz | Nov. 17, 2013 | Radiation (03CH01-CB) |
| Signal analyzer | R&S | FSV40 | 100979 | 9kHz~40GHz | Nov. 29, 2013 | Conducted (TH01-CB) |
| Temp. and Humidity Chamber | Ten Billion | TTH-D3SP | TBN-931011 | -30~100 degree | Jun. 04, 2013 | Conducted (TH01-CB) |
| RF Cable-high | Woken | High Cable-7 | - | 1 GHz – 26.5 GHz | Nov. 17, 2013 | Conducted (TH01-CB) |
| RF Cable-high | Woken | High Cable-8 | - | 1 GHz – 26.5 GHz | Nov. 17, 2013 | Conducted (TH01-CB) |

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Remark |
|---------------|--------------|---------------|------------|------------------|------------------|---------------------|
| RF Cable-high | Woken | High Cable-9 | - | 1 GHz – 26.5 GHz | Nov. 17, 2013 | Conducted (TH01-CB) |
| RF Cable-high | Woken | High Cable-10 | - | 1 GHz – 26.5 GHz | Nov. 17, 2013 | Conducted (TH01-CB) |
| RF Cable-high | Woken | High Cable-11 | - | 1 GHz – 26.5 GHz | Nov. 17, 2013 | Conducted (TH01-CB) |
| Power Sensor | Anritsu | MA2411B | 0917223 | 300MHz~40GHz | Sep. 18, 2013 | Conducted (TH01-CB) |
| Power Meter | Anritsu | ML2495A | 1035008 | 300MHz~40GHz | Sep. 18, 2013 | Conducted (TH01-CB) |

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

*Calibration Interval of instruments listed above is two year.

N.C.R. means Non-Calibration required.

6. MEASUREMENT UNCERTAINTY

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

| Contribution | Uncertainty of x_i | | | $u(x_i)$ |
|---|----------------------|------|-------------------------------|----------|
| | Value | Unit | Probability Distribution k | |
| Receiver reading | 0.026 | dB | normal(k=2) | 0.013 |
| Cable loss | 0.002 | dB | normal(k=2) | 0.001 |
| AMN/LISN specification | 1.200 | dB | normal(k=2) | 0.600 |
| Mismatch Receiver VSWR 1= AMN/LISN VSWR 2= | -0.080 | dB | U-shaped | 0.060 |
| Combined standard uncertainty Uc(y) | | | | 1.2 |
| Measuring uncertainty for a level of confidence of 95% U=2Uc(y) | | | | 2.4 |

Uncertainty of Radiated Emission Measurement (30MHz ~ 1,000MHz)

| Contribution | Uncertainty of x_i | | | $u(x_i)$ |
|---|----------------------|------|-------------------------------|----------|
| | Value | Unit | Probability Distribution k | |
| Receiver reading | ±0.173 | dB | K=1 | 0.086 |
| Cable loss | ±0.174 | dB | K=2 | 0.087 |
| Antenna gain | ±0.169 | dB | K=2 | 0.084 |
| Site imperfection | ±0.433 | dB | Triangular | 0.214 |
| Pre-amplifier gain | ±0.366 | dB | K=2 | 0.183 |
| Transmitter antenna | ±1.200 | dB | Rectangular | 0.600 |
| Signal generator | ±0.461 | dB | Rectangular | 0.231 |
| Mismatch | ±0.080 | dB | U-shape | 0.040 |
| Spectrum analyzer | ±0.500 | dB | Rectangular | 0.250 |
| Combined standard uncertainty Uc(y) | | | | 1.778 |
| Measuring uncertainty for a level of confidence of 95% U=2Uc(y) | | | | 3.555 |

Uncertainty of Radiated Emission Measurement (1GHz ~ 18GHz)

| Contribution | Uncertainty of x_i | | | $u(x_i)$ |
|---|----------------------|------|----------------------------|----------|
| | Value | Unit | Probability Distribution k | |
| Receiver reading | ±0.191 | dB | K=1 | 0.095 |
| Cable loss | ±0.169 | dB | K=2 | 0.084 |
| Antenna gain | ±0.191 | dB | K=2 | 0.096 |
| Site imperfection | ±0.582 | dB | Triangular | 0.291 |
| Pre-amplifier gain | ±0.304 | dB | K=2 | 0.152 |
| Transmitter antenna | ±1.200 | dB | Rectangular | 0.600 |
| Signal generator | ±0.461 | dB | Rectangular | 0.231 |
| Mismatch | ±0.080 | dB | U-shape | 0.040 |
| Spectrum analyzer | ±0.500 | dB | Rectangular | 0.250 |
| Combined standard uncertainty Uc(y) | | | | 1.839 |
| Measuring uncertainty for a level of confidence of 95% U=2Uc(y) | | | | 3.678 |

Uncertainty of Radiated Emission Measurement (18GHz ~ 40GHz)

| Contribution | Uncertainty of x_i | | | $u(x_i)$ |
|---|----------------------|------|----------------------------|----------|
| | Value | Unit | Probability Distribution k | |
| Receiver reading | ±0.186 | dB | K=1 | 0.093 |
| Cable loss | ±0.167 | dB | K=2 | 0.083 |
| Antenna gain | ±0.190 | dB | K=2 | 0.095 |
| Site imperfection | ±0.488 | dB | Triangular | 0.244 |
| Pre-amplifier gain | ±0.269 | dB | K=2 | 0.134 |
| Transmitter antenna | ±1.200 | dB | Rectangular | 0.600 |
| Signal generator | ±0.461 | dB | Rectangular | 0.231 |
| Mismatch | ±0.080 | dB | U-shape | 0.040 |
| Spectrum analyzer | ±0.500 | dB | Rectangular | 0.250 |
| Combined standard uncertainty Uc(y) | | | | 1.771 |
| Measuring uncertainty for a level of confidence of 95% U=2Uc(y) | | | | 3.541 |

Uncertainty of Conducted Emission Measurement

| Contribution | Uncertainty of x_i | | | $u(x_i)$ |
|--|----------------------|------|-------------------------------|----------|
| | Value | Unit | Probability Distribution k | |
| Cable loss | ±0.038 | dB | K=2 | 0.019 |
| Attenuator | ±0.047 | dB | K=2 | 0.024 |
| Power Meter specification | ±0.300 | dB | Triangular | 0.150 |
| Power Sensor specification | ±0.300 | dB | Rectangular | 0.150 |
| Signal generator | ±0.461 | dB | Rectangular | 0.231 |
| Mismatch | ±0.080 | dB | U-shape | 0.040 |
| Spectrum analyzer | ±0.500 | dB | Rectangular | 0.250 |
| Combined standard uncertainty $U_c(y)$ | | | | 0.863 |
| Measuring uncertainty for a level of confidence of 95% $U=2U_c(y)$ | | | | 1.726 |