



Test Data

Above 1GHz Data

802.11a

| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|----------------|
| Channel | Channel 36 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5109.2 | 42.52 | 14.44 | 56.96 | 74 | -17.04 | Peak |
| @ | 5180 | 85.02 | 14.55 | 99.57 | - | - | Peak |
| - | 5119.7 | 31.5 | 14.47 | 45.97 | 54 | -8.03 | Average |
| @ | 5180 | 76.44 | 14.55 | 90.99 | - | - | Average |
| # | 10360 | 30.8 | 18.92 | 49.72 | 68.2 | -18.48 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5069.3 | 43.4 | 14.25 | 57.65 | 74 | -16.35 | Peak |
| @ | 5180 | 78.91 | 14.55 | 93.46 | - | - | Peak |
| - | 5120 | 31.41 | 14.47 | 45.88 | 54 | -8.12 | Average |
| @ | 5180 | 72.1 | 14.55 | 86.65 | - | - | Average |
| # | 10360 | 30.21 | 18.92 | 49.13 | 68.2 | -19.07 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|----------------|
| Channel | Channel 44 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5147 | 42.27 | 14.55 | 56.82 | 74 | -17.18 | Peak |
| @ | 5220 | 85.97 | 14.36 | 100.33 | - | - | Peak |
| - | 5119.7 | 31.53 | 14.47 | 46 | 54 | -8 | Average |
| @ | 5220 | 76.59 | 14.36 | 90.95 | - | - | Average |
| # | 10440 | 31.41 | 19.23 | 50.64 | 68.2 | -17.56 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5050.1 | 43.75 | 14.13 | 57.88 | 74 | -16.12 | Peak |
| @ | 5220 | 78.61 | 14.36 | 92.97 | - | - | Peak |
| - | 5119.7 | 31.45 | 14.47 | 45.92 | 54 | -8.08 | Average |
| @ | 5220 | 71.92 | 14.36 | 86.28 | - | - | Average |
| # | 10440 | 30.35 | 19.23 | 49.58 | 68.2 | -18.62 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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Doc No: 17-EM-F0878 / 5.0



| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|----------------|
| Channel | Channel 48 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5145.8 | 42.63 | 14.55 | 57.18 | 74 | -16.82 | Peak |
| @ | 5240 | 82.98 | 14.18 | 97.16 | - | - | Peak |
| - | 5119.7 | 31.51 | 14.47 | 45.98 | 54 | -8.02 | Average |
| @ | 5240 | 76.66 | 14.18 | 90.84 | - | - | Average |
| # | 10480 | 29.82 | 19.37 | 49.19 | 68.2 | -19.01 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5119.7 | 41.89 | 14.47 | 56.36 | 74 | -17.64 | Peak |
| @ | 5240 | 78.58 | 14.18 | 92.76 | - | - | Peak |
| - | 5119.7 | 31.51 | 14.47 | 45.98 | 54 | -8.02 | Average |
| @ | 5240 | 71.69 | 14.18 | 85.87 | - | - | Average |
| # | 10480 | 30.21 | 19.37 | 49.58 | 68.2 | -18.62 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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| EUT Test Condition | | Measurement Detail | |
|--------------------|-------------|--------------------|----------------|
| Channel | Channel 149 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5643 | 41.2 | 15.13 | 56.33 | 68.2 | -11.87 | Peak |
| - | 5671.5 | 41.08 | 15.18 | 56.26 | 84.15 | -27.89 | Peak |
| @ | 5745 | 74.13 | 15.57 | 89.7 | - | - | Average |
| @ | 5745 | 81.91 | 15.57 | 97.48 | - | - | Peak |
| * | 11490 | 29.86 | 20.73 | 50.59 | 74 | -23.41 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5583 | 40.64 | 15.05 | 55.69 | 68.2 | -12.51 | Peak |
| - | 5724 | 40.93 | 15.4 | 56.33 | 119.92 | -63.59 | Peak |
| @ | 5745 | 63.17 | 15.57 | 78.74 | - | - | Average |
| @ | 5745 | 74.58 | 15.57 | 90.15 | - | - | Peak |
| * | 11490 | 31.64 | 20.73 | 52.37 | 74 | -21.63 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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| EUT Test Condition | | Measurement Detail | |
|--------------------|-------------|--------------------|----------------|
| Channel | Channel 157 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5545 | 40.7 | 14.98 | 55.68 | 68.2 | -12.52 | Peak |
| - | 5696 | 41.04 | 15.21 | 56.25 | 102.25 | -46 | Peak |
| @ | 5785 | 72.76 | 15.65 | 88.41 | - | - | Average |
| @ | 5785 | 81.64 | 15.65 | 97.29 | - | - | Peak |
| - | 5917.5 | 41.27 | 16.34 | 57.61 | 73.73 | -16.12 | Peak |
| # | 5938 | 41.41 | 16.38 | 57.79 | 68.2 | -10.41 | Peak |
| * | 11570 | 30.14 | 20.51 | 50.65 | 74 | -23.35 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5613.5 | 41.17 | 15.09 | 56.26 | 68.2 | -11.94 | Peak |
| - | 5653.5 | 41.41 | 15.15 | 56.56 | 70.8 | -14.24 | Peak |
| @ | 5785 | 64.34 | 15.65 | 79.99 | - | - | Average |
| @ | 5785 | 75.05 | 15.65 | 90.7 | - | - | Peak |
| - | 5923.5 | 40.72 | 16.35 | 57.07 | 69.31 | -12.24 | Peak |
| # | 5935 | 41 | 16.37 | 57.37 | 68.2 | -10.83 | Peak |
| * | 11570 | 29.37 | 20.51 | 49.88 | 74 | -24.12 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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Doc No: 17-EM-F0878 / 5.0



| EUT Test Condition | | Measurement Detail | |
|--------------------|-------------|--------------------|----------------|
| Channel | Channel 165 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| @ | 5825 | 72.82 | 15.81 | 88.63 | - | - | Average |
| @ | 5825 | 82.64 | 15.81 | 98.45 | - | - | Peak |
| - | 5881.5 | 40.46 | 16.19 | 56.65 | 100.37 | -43.72 | Peak |
| # | 6004 | 41.22 | 16.37 | 57.59 | 68.2 | -10.61 | Peak |
| * | 11650 | 29.23 | 20.28 | 49.51 | 74 | -24.49 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| @ | 5825 | 66.77 | 15.81 | 82.58 | - | - | Average |
| @ | 5825 | 76.32 | 15.81 | 92.13 | - | - | Peak |
| - | 5897.5 | 41 | 16.3 | 57.3 | 88.51 | -31.21 | Peak |
| # | 6010.5 | 40.64 | 16.37 | 57.01 | 68.2 | -11.19 | Peak |
| * | 11650 | 29.67 | 20.28 | 49.95 | 74 | -24.05 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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Doc No: 17-EM-F0878 / 5.0



802.11ac (VHT20)

| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|----------------|
| Channel | Channel 36 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5076.5 | 42.93 | 14.29 | 57.22 | 74 | -16.78 | Peak |
| @ | 5180 | 85.59 | 14.55 | 100.14 | - | - | Peak |
| - | 5120 | 31.69 | 14.47 | 46.16 | 54 | -7.84 | Average |
| @ | 5180 | 78.24 | 14.55 | 92.79 | - | - | Average |
| # | 10360 | 30.77 | 18.92 | 49.69 | 68.2 | -18.51 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5143.1 | 42.51 | 14.55 | 57.06 | 74 | -16.94 | Peak |
| @ | 5180 | 83.22 | 14.55 | 97.77 | - | - | Peak |
| - | 5120 | 31.39 | 14.47 | 45.86 | 54 | -8.14 | Average |
| @ | 5180 | 74.52 | 14.55 | 89.07 | - | - | Average |
| # | 10360 | 29.71 | 18.92 | 48.63 | 68.2 | -19.57 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|----------------|
| Channel | Channel 44 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5093 | 43.31 | 14.36 | 57.67 | 74 | -16.33 | Peak |
| @ | 5220 | 85.32 | 14.36 | 99.68 | - | - | Peak |
| - | 5120 | 31.52 | 14.47 | 45.99 | 54 | -8.01 | Average |
| @ | 5220 | 77.36 | 14.36 | 91.72 | - | - | Average |
| # | 10440 | 30.61 | 19.23 | 49.84 | 68.2 | -18.36 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5118.8 | 42.76 | 14.47 | 57.23 | 74 | -16.77 | Peak |
| @ | 5220 | 82.4 | 14.36 | 96.76 | - | - | Peak |
| - | 5120 | 31.39 | 14.47 | 45.86 | 54 | -8.14 | Average |
| @ | 5220 | 74.25 | 14.36 | 88.61 | - | - | Average |
| # | 10440 | 30.16 | 19.23 | 49.39 | 68.2 | -18.81 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|----------------|
| Channel | Channel 48 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5100.5 | 42.77 | 14.41 | 57.18 | 74 | -16.82 | Peak |
| @ | 5240 | 85.29 | 14.18 | 99.47 | - | - | Peak |
| - | 5120 | 31.52 | 14.47 | 45.99 | 54 | -8.01 | Average |
| @ | 5240 | 77.61 | 14.18 | 91.79 | - | - | Average |
| # | 10480 | 30.07 | 19.37 | 49.44 | 68.2 | -18.76 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5092.4 | 42.44 | 14.36 | 56.8 | 74 | -17.2 | Peak |
| @ | 5240 | 82.82 | 14.18 | 97 | - | - | Peak |
| - | 5120 | 31.41 | 14.47 | 45.88 | 54 | -8.12 | Average |
| @ | 5240 | 74.4 | 14.18 | 88.58 | - | - | Average |
| # | 10480 | 30.99 | 19.37 | 50.36 | 68.2 | -17.84 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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| EUT Test Condition | | Measurement Detail | |
|--------------------|-------------|--------------------|----------------|
| Channel | Channel 149 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5594.5 | 41.2 | 15.06 | 56.26 | 68.2 | -11.94 | Peak |
| - | 5720.5 | 41.33 | 15.37 | 56.7 | 111.94 | -55.24 | Peak |
| @ | 5745 | 71.36 | 15.57 | 86.93 | - | - | Average |
| @ | 5745 | 83.11 | 15.57 | 98.68 | - | - | Peak |
| * | 11490 | 30.64 | 20.73 | 51.37 | 74 | -22.63 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5615.5 | 42.5 | 15.09 | 57.59 | 68.2 | -10.61 | Peak |
| - | 5697 | 40.66 | 15.21 | 55.87 | 102.99 | -47.12 | Peak |
| @ | 5745 | 70.1 | 15.57 | 85.67 | - | - | Average |
| @ | 5745 | 80.65 | 15.57 | 96.22 | - | - | Peak |
| * | 11490 | 29.82 | 20.73 | 50.55 | 74 | -23.45 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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| EUT Test Condition | | Measurement Detail | |
|--------------------|-------------|--------------------|----------------|
| Channel | Channel 157 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5650 | 41.86 | 15.14 | 57 | 68.2 | -11.2 | Peak |
| - | 5650 | 41.86 | 15.14 | 57 | 68.2 | -11.2 | Peak |
| @ | 5785 | 74.62 | 15.65 | 90.27 | - | - | Average |
| @ | 5785 | 82.76 | 15.65 | 98.41 | - | - | Peak |
| - | 5876.5 | 40.74 | 16.15 | 56.89 | 104.09 | -47.2 | Peak |
| # | 5944 | 41.08 | 16.39 | 57.47 | 68.2 | -10.73 | Peak |
| * | 11570 | 29.73 | 20.51 | 50.24 | 74 | -23.76 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5574.5 | 40.82 | 15.03 | 55.85 | 68.2 | -12.35 | Peak |
| - | 5689.5 | 40.89 | 15.21 | 56.1 | 97.46 | -41.36 | Peak |
| @ | 5785 | 69.01 | 15.65 | 84.66 | - | - | Average |
| @ | 5785 | 79.56 | 15.65 | 95.21 | - | - | Peak |
| - | 5908.5 | 40.94 | 16.34 | 57.28 | 80.38 | -23.1 | Peak |
| # | 5926.5 | 41.09 | 16.36 | 57.45 | 68.2 | -10.75 | Peak |
| * | 11570 | 29.84 | 20.51 | 50.35 | 74 | -23.65 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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Doc No: 17-EM-F0878 / 5.0



| EUT Test Condition | | Measurement Detail | |
|--------------------|-------------|--------------------|----------------|
| Channel | Channel 165 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| @ | 5825 | 72.78 | 15.81 | 88.59 | - | - | Average |
| @ | 5825 | 83.5 | 15.81 | 99.31 | - | - | Peak |
| - | 5900.5 | 41.36 | 16.33 | 57.69 | 86.29 | -28.6 | Peak |
| # | 5955.5 | 41.09 | 16.4 | 57.49 | 68.2 | -10.71 | Peak |
| * | 11650 | 29.08 | 20.28 | 49.36 | 74 | -24.64 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| @ | 5825 | 69.12 | 15.81 | 84.93 | - | - | Average |
| @ | 5825 | 79.52 | 15.81 | 95.33 | - | - | Peak |
| - | 5896 | 41.03 | 16.3 | 57.33 | 89.62 | -32.29 | Peak |
| # | 5936 | 41.22 | 16.38 | 57.6 | 68.2 | -10.6 | Peak |
| * | 11650 | 29.76 | 20.28 | 50.04 | 74 | -23.96 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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Doc No: 17-EM-F0878 / 5.0



802.11ac (VHT40)

| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|----------------|
| Channel | Channel 38 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5130.8 | 42.51 | 14.51 | 57.02 | 74 | -16.98 | Peak |
| @ | 5190 | 82.92 | 14.54 | 97.46 | - | - | Peak |
| - | 5120 | 31.62 | 14.47 | 46.09 | 54 | -7.91 | Average |
| @ | 5190 | 75.86 | 14.54 | 90.4 | - | - | Average |
| # | 10380 | 31.17 | 18.99 | 50.16 | 68.2 | -18.04 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5068.4 | 42.76 | 14.23 | 56.99 | 74 | -17.01 | Peak |
| @ | 5190 | 79.37 | 14.54 | 93.91 | - | - | Peak |
| - | 5120 | 32 | 14.47 | 46.47 | 54 | -7.53 | Average |
| @ | 5190 | 72.13 | 14.54 | 86.67 | - | - | Average |
| # | 10380 | 29.8 | 18.99 | 48.79 | 68.2 | -19.41 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|----------------|
| Channel | Channel 46 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5060.3 | 42.44 | 14.19 | 56.63 | 74 | -17.37 | Peak |
| @ | 5230 | 81.7 | 14.28 | 95.98 | - | - | Peak |
| - | 5120 | 31.49 | 14.47 | 45.96 | 54 | -8.04 | Average |
| @ | 5230 | 74.99 | 14.28 | 89.27 | - | - | Average |
| # | 10460 | 29.76 | 19.29 | 49.05 | 68.2 | -19.15 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5100.8 | 42.32 | 14.41 | 56.73 | 74 | -17.27 | Peak |
| @ | 5230 | 80.51 | 14.28 | 94.79 | - | - | Peak |
| - | 5120 | 31.62 | 14.47 | 46.09 | 54 | -7.91 | Average |
| @ | 5230 | 72.75 | 14.28 | 87.03 | - | - | Average |
| # | 10460 | 30.13 | 19.29 | 49.42 | 68.2 | -18.78 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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| EUT Test Condition | | Measurement Detail | |
|--------------------|-------------|--------------------|----------------|
| Channel | Channel 151 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5632.5 | 40.82 | 15.12 | 55.94 | 68.2 | -12.26 | Peak |
| - | 5663.5 | 41.2 | 15.17 | 56.37 | 78.22 | -21.85 | Peak |
| @ | 5755 | 72.86 | 15.6 | 88.46 | - | - | Average |
| @ | 5755 | 81.75 | 15.6 | 97.35 | - | - | Peak |
| * | 11510 | 31.12 | 20.72 | 51.84 | 74 | -22.16 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5581.5 | 41.06 | 15.04 | 56.1 | 68.2 | -12.1 | Peak |
| - | 5658.5 | 40.92 | 15.16 | 56.08 | 74.51 | -18.43 | Peak |
| @ | 5755 | 67.71 | 15.6 | 83.31 | - | - | Average |
| @ | 5755 | 78.69 | 15.6 | 94.29 | - | - | Peak |
| * | 11510 | 30.29 | 20.72 | 51.01 | 74 | -22.99 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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| EUT Test Condition | | Measurement Detail | |
|--------------------|-------------|--------------------|----------------|
| Channel | Channel 159 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5607 | 41.11 | 15.08 | 56.19 | 68.2 | -12.01 | Peak |
| - | 5697 | 41.48 | 15.21 | 56.69 | 102.99 | -46.3 | Peak |
| @ | 5795 | 71.13 | 15.67 | 86.8 | - | - | Average |
| @ | 5795 | 80.05 | 15.67 | 95.72 | - | - | Peak |
| - | 5919 | 41.72 | 16.35 | 58.07 | 72.62 | -14.55 | Peak |
| # | 5960.5 | 41.12 | 16.4 | 57.52 | 68.2 | -10.68 | Peak |
| * | 11590 | 29.13 | 20.44 | 49.57 | 74 | -24.43 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| # | 5644 | 41.27 | 15.13 | 56.4 | 68.2 | -11.8 | Peak |
| - | 5664.5 | 40.78 | 15.17 | 55.95 | 78.96 | -23.01 | Peak |
| @ | 5795 | 69.34 | 15.67 | 85.01 | - | - | Average |
| @ | 5795 | 77.32 | 15.67 | 92.99 | - | - | Peak |
| - | 5892.5 | 41.15 | 16.27 | 57.42 | 92.21 | -34.79 | Peak |
| # | 5983 | 40.97 | 16.37 | 57.34 | 68.2 | -10.86 | Peak |
| * | 11590 | 29.24 | 20.44 | 49.68 | 74 | -24.32 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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802.11ac (VHT80)

| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|----------------|
| Channel | Channel 42 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5137.7 | 41.97 | 14.54 | 56.51 | 74 | -17.49 | Peak |
| @ | 5210 | 79.26 | 14.45 | 93.71 | - | - | Peak |
| - | 5146.1 | 32 | 14.55 | 46.55 | 54 | -7.45 | Average |
| @ | 5210 | 71.22 | 14.45 | 85.67 | - | - | Average |
| # | 10420 | 29.89 | 19.15 | 49.04 | 68.2 | -19.16 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5068.4 | 42.47 | 14.23 | 56.7 | 74 | -17.3 | Peak |
| @ | 5210 | 76.5 | 14.45 | 90.95 | - | - | Peak |
| - | 5119.7 | 31.63 | 14.47 | 46.1 | 54 | -7.9 | Average |
| @ | 5210 | 67.58 | 14.45 | 82.03 | - | - | Average |
| # | 10420 | 30.54 | 19.15 | 49.69 | 68.2 | -18.51 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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| EUT Test Condition | | Measurement Detail | |
|--------------------|-------------|--------------------|----------------|
| Channel | Channel 155 | Frequency Range | 1 GHz ~ 40 GHz |

| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|---------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5551.5 | 41.52 | 14.99 | 56.51 | 68.2 | -11.69 | Peak |
| - | 5685.5 | 40.47 | 15.2 | 55.67 | 94.5 | -38.83 | Peak |
| # | 5775 | 69.2 | 15.64 | 84.84 | - | - | Average |
| @ | 5775 | 76.53 | 15.64 | 92.17 | - | - | Peak |
| @ | 5903.5 | 41.28 | 16.33 | 57.61 | 84.07 | -26.46 | Peak |
| # | 5972.5 | 41.46 | 16.39 | 57.85 | 68.2 | -10.35 | Peak |
| * | 11550 | 29.7 | 20.57 | 50.27 | 74 | -23.73 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| - | 5604 | 40.51 | 15.07 | 55.58 | 68.2 | -12.62 | Peak |
| - | 5662.5 | 40.35 | 15.16 | 55.51 | 77.48 | -21.97 | Peak |
| # | 5775 | 66.22 | 15.64 | 81.86 | - | - | Average |
| @ | 5775 | 74.53 | 15.64 | 90.17 | - | - | Peak |
| @ | 5881 | 41.27 | 16.18 | 57.45 | 100.74 | -43.29 | Peak |
| # | 5975.5 | 40.57 | 16.38 | 56.95 | 68.2 | -11.25 | Peak |
| * | 11550 | 29.62 | 20.57 | 50.19 | 74 | -23.81 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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9 kHz ~ 30 MHz Data:

For 9 kHz to 30 MHz radiated emission have performed all modes of operation were investigated. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

No non-compliance noted:

KDB 414788 D01 OATS and Chamber Correlation Justification

- Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

- OATs and chamber correlation testing had been performed and chamber measured test results is the worst case test result.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

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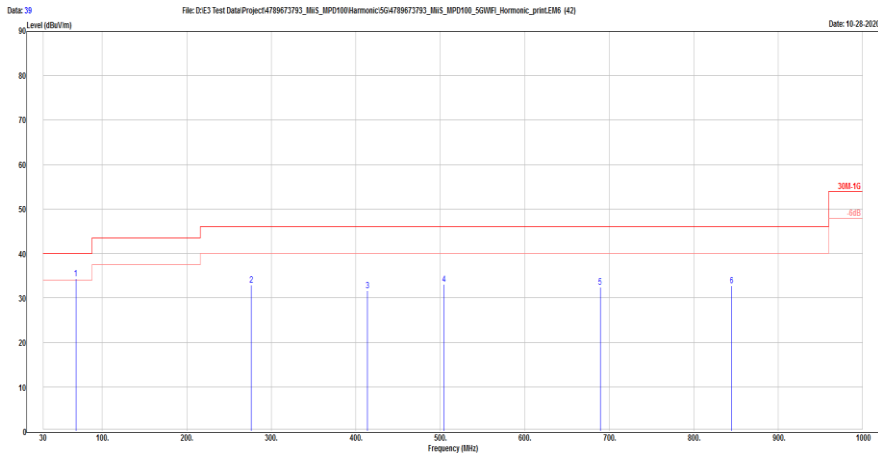


30 MHz ~ 1 GHz Data

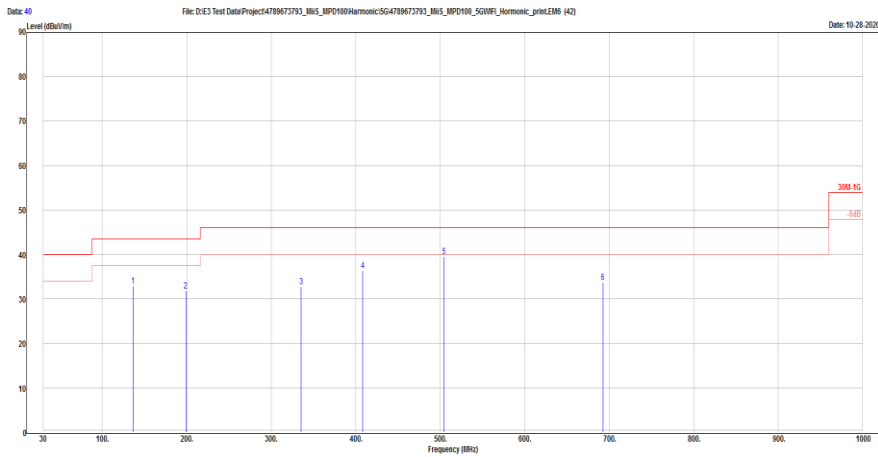
802.11ac (VHT20)

| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|----------------|
| Channel | Channel 36 | Frequency Range | 30 MHz ~ 1 GHz |

Horizontal



Vertical



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| Antenna Polarity & Test Distance: Horizontal at 3 m | | | | | | | |
|---|-----------|----------|---------|----------|----------|--------|--------|
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 68.8 | 48.11 | -13.77 | 34.34 | 40 | -5.66 | Peak |
| 2 | 276.38 | 43.47 | -10.54 | 32.93 | 46 | -13.07 | Peak |
| 3 | 414.12 | 38.32 | -6.76 | 31.56 | 46 | -14.44 | Peak |
| 4 | 504.33 | 37.45 | -4.47 | 32.98 | 46 | -13.02 | Peak |
| 5 | 689.6 | 33.33 | -0.94 | 32.39 | 46 | -13.61 | Peak |
| 6 | 844.8 | 30.94 | 1.83 | 32.77 | 46 | -13.23 | Peak |
| Antenna Polarity & Test Distance: Vertical at 3 m | | | | | | | |
| Notation | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 136.7 | 45.28 | -12.41 | 32.87 | 43.5 | -10.63 | Peak |
| 2 | 198.78 | 45.58 | -13.73 | 31.85 | 43.5 | -11.65 | Peak |
| 3 | 335.55 | 41.62 | -8.95 | 32.67 | 46 | -13.33 | Peak |
| 4 | 408.3 | 43.26 | -6.91 | 36.35 | 46 | -9.65 | Peak |
| 5 | 504.33 | 43.98 | -4.47 | 39.51 | 46 | -6.49 | Peak |
| 6 | 692.51 | 34.55 | -0.82 | 33.73 | 46 | -12.27 | Peak |

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. The peak result complies with QP limit, QP result is deemed to comply with QP limit.
5. The other emission levels were very low against the limit.

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Doc No: 17-EM-F0878 / 5.0



9.8. AC Power Line Conducted Emission

Requirements

| Frequency (MHz) | Conducted limit (dB μ V) | |
|-----------------|------------------------------|---------|
| | Quasi-peak | Average |
| 0.15 - 0.5 | 66 - 56 | 56 - 46 |
| 0.50 - 5.0 | 56 | 46 |
| 5.0 - 30 | 60 | 50 |

Note:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

Test Procedures

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

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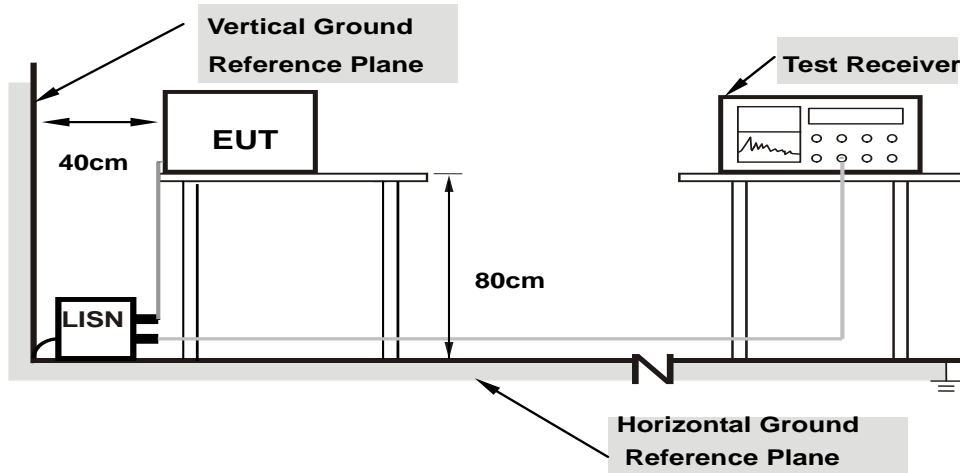
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Doc No: 17-EM-F0878 / 5.0



Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the Setup Configurations.

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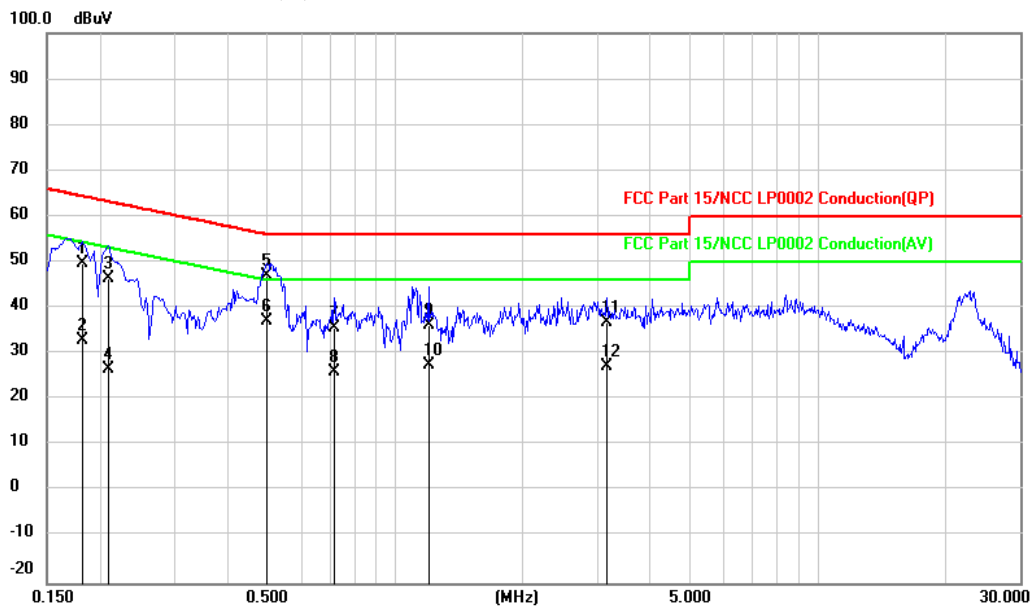
Test Data

NB mode

802.11ac (VHT20)

| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|------------------|
| Channel | Channel 36 | Frequency Range | 150 kHz ~ 30 MHz |

Phase of Power : Line (L)



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| No. | Frequency (MHz) | Reading (dBuV) | Correct dB | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|--------------------|-------------------|---------------|------------------|-----------------|----------------|--------|
| 1 | 0.1819 | 30.22 | 19.53 | 49.75 | 64.40 | -14.65 | QP |
| 2 | 0.1819 | 13.48 | 19.53 | 33.01 | 54.40 | -21.39 | AVG |
| 3 | 0.2100 | 26.95 | 19.53 | 46.48 | 63.21 | -16.73 | QP |
| 4 | 0.2100 | 7.21 | 19.53 | 26.74 | 53.21 | -26.47 | AVG |
| 5 | 0.4980 | 27.56 | 19.51 | 47.07 | 56.03 | -8.96 | QP |
| 6 | 0.4980 | 17.64 | 19.51 | 37.15 | 46.03 | -8.88 | AVG |
| 7 | 0.7180 | 16.18 | 19.53 | 35.71 | 56.00 | -20.29 | QP |
| 8 | 0.7180 | 6.63 | 19.53 | 26.16 | 46.00 | -19.84 | AVG |
| 9 | 1.2020 | 16.75 | 19.54 | 36.29 | 56.00 | -19.71 | QP |
| 10 | 1.2020 | 8.14 | 19.54 | 27.68 | 46.00 | -18.32 | AVG |
| 11 | 3.1700 | 17.26 | 19.57 | 36.83 | 56.00 | -19.17 | QP |
| 12 | 3.1700 | 7.60 | 19.57 | 27.17 | 46.00 | -18.83 | AVG |

Remarks:

1. Result value (dBuV) = Reading value (dBuV) + Correction Factor (dB)
2. Margin(dB) = Result value (dBuV) - Limit value (dBuV)
3. Correction Factor(dB) = Insertion loss(dB) + Cable loss(dB)
4. The other emission levels were very low against the limit.

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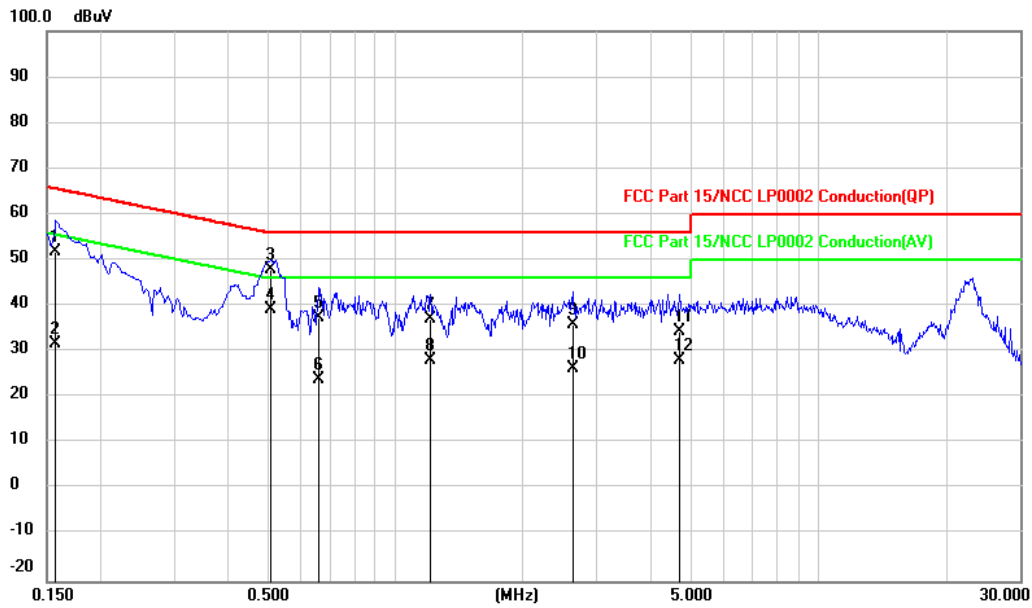
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Phase of Power : Neutral (N)



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Doc No: 17-EM-F0878 / 5.0



| No. | Frequency (MHz) | Reading (dBuV) | Correct dB | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|--------------------|-------------------|---------------|------------------|-----------------|----------------|--------|
| 1 | 0.1580 | 32.29 | 19.54 | 51.83 | 65.57 | -13.74 | QP |
| 2 | 0.1580 | 12.12 | 19.54 | 31.66 | 55.57 | -23.91 | AVG |
| 3 | 0.5100 | 28.40 | 19.52 | 47.92 | 56.00 | -8.08 | QP |
| 4 | 0.5100 | 19.87 | 19.52 | 39.39 | 46.00 | -6.61 | AVG |
| 5 | 0.6580 | 18.08 | 19.52 | 37.60 | 56.00 | -18.40 | QP |
| 6 | 0.6580 | 4.38 | 19.52 | 23.90 | 46.00 | -22.10 | AVG |
| 7 | 1.2100 | 17.77 | 19.53 | 37.30 | 56.00 | -18.70 | QP |
| 8 | 1.2100 | 8.54 | 19.53 | 28.07 | 46.00 | -17.93 | AVG |
| 9 | 2.6300 | 16.33 | 19.56 | 35.89 | 56.00 | -20.11 | QP |
| 10 | 2.6300 | 6.79 | 19.56 | 26.35 | 46.00 | -19.65 | AVG |
| 11 | 4.7140 | 14.85 | 19.59 | 34.44 | 56.00 | -21.56 | QP |
| 12 | 4.7140 | 8.58 | 19.59 | 28.17 | 46.00 | -17.83 | AVG |

Remarks:

1. Result value (dBuV) = Reading value (dBuV) + Correction Factor (dB)
2. Margin(dB) = Result value (dBuV) - Limit value (dBuV)
3. Correction Factor(dB) = Insertion loss(dB) + Cable loss(dB)
4. The other emission levels were very low against the limit.

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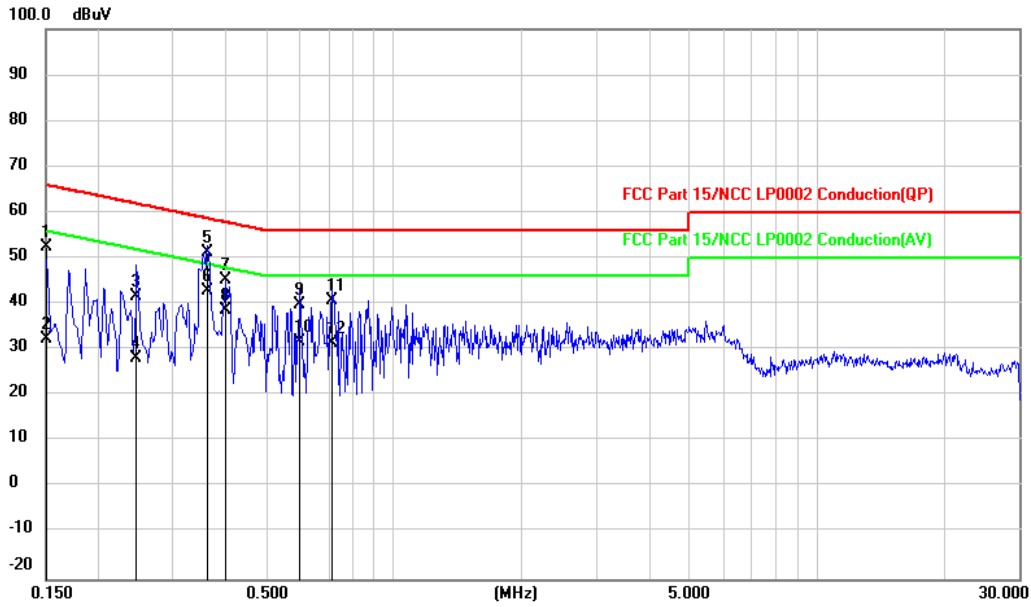


Adapter mode

802.11ac (VHT20)

| EUT Test Condition | | Measurement Detail | |
|--------------------|------------|--------------------|------------------|
| Channel | Channel 36 | Frequency Range | 150 kHz ~ 30 MHz |

Phase of Power : Line (L)



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Doc No: 17-EM-F0878 / 5.0



| No. | Frequency (MHz) | Reading (dBuV) | Correct dB | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|--------------------|-------------------|---------------|------------------|-----------------|----------------|--------|
| 1 | 0.1500 | 33.05 | 19.54 | 52.59 | 66.00 | -13.41 | QP |
| 2 | 0.1500 | 12.85 | 19.54 | 32.39 | 56.00 | -23.61 | AVG |
| 3 | 0.2460 | 22.26 | 19.53 | 41.79 | 61.89 | -20.10 | QP |
| 4 | 0.2460 | 8.74 | 19.53 | 28.27 | 51.89 | -23.62 | AVG |
| 5 | 0.3620 | 31.81 | 19.51 | 51.32 | 58.68 | -7.36 | QP |
| 6 | 0.3620 | 23.43 | 19.51 | 42.94 | 48.68 | -5.74 | AVG |
| 7 | 0.3980 | 25.83 | 19.51 | 45.34 | 57.90 | -12.56 | QP |
| 8 | 0.3980 | 19.24 | 19.51 | 38.75 | 47.90 | -9.15 | AVG |
| 9 | 0.5980 | 20.31 | 19.52 | 39.83 | 56.00 | -16.17 | QP |
| 10 | 0.5980 | 12.09 | 19.52 | 31.61 | 46.00 | -14.39 | AVG |
| 11 | 0.7140 | 21.28 | 19.53 | 40.81 | 56.00 | -15.19 | QP |
| 12 | 0.7140 | 11.91 | 19.53 | 31.44 | 46.00 | -14.56 | AVG |

Remarks:

1. Result value (dBuV) = Reading value (dBuV) + Correction Factor (dB)
2. Margin(dB) = Result value (dBuV) - Limit value (dBuV)
3. Correction Factor(dB) = Insertion loss(dB) + Cable loss(dB)
4. The other emission levels were very low against the limit.

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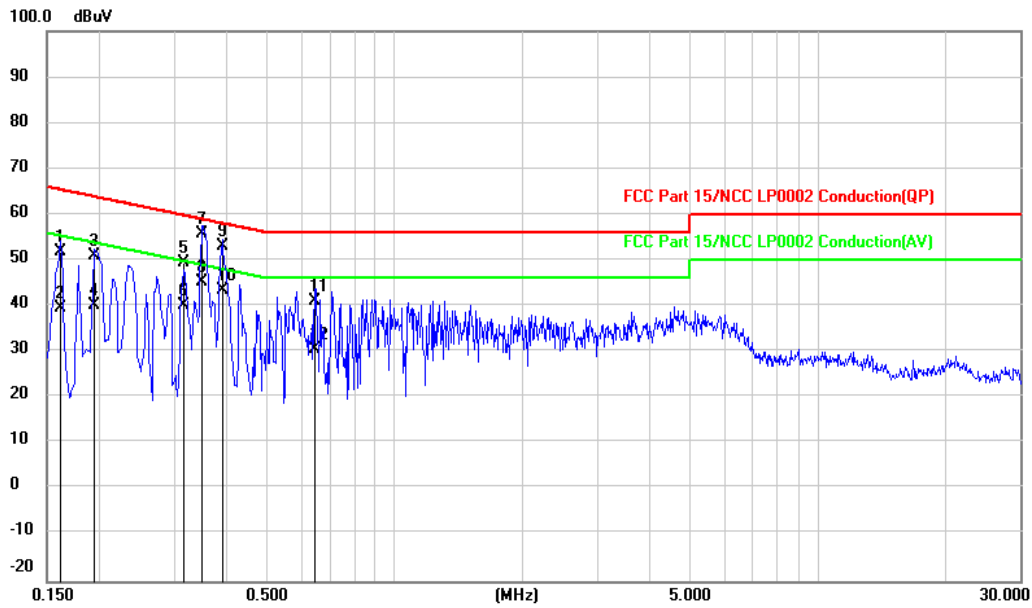
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Phase of Power : Neutral (N)



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| No. | Frequency (MHz) | Reading (dBuV) | Correct dB | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|--------------------|-------------------|---------------|------------------|-----------------|----------------|--------|
| 1 | 0.1620 | 32.42 | 19.54 | 51.96 | 65.36 | -13.40 | QP |
| 2 | 0.1620 | 20.04 | 19.54 | 39.58 | 55.36 | -15.78 | AVG |
| 3 | 0.1940 | 31.31 | 19.53 | 50.84 | 63.86 | -13.02 | QP |
| 4 | 0.1940 | 20.50 | 19.53 | 40.03 | 53.86 | -13.83 | AVG |
| 5 | 0.3180 | 30.02 | 19.51 | 49.53 | 59.76 | -10.23 | QP |
| 6 | 0.3180 | 20.69 | 19.51 | 40.20 | 49.76 | -9.56 | AVG |
| 7 | 0.3500 | 36.09 | 19.51 | 55.60 | 58.96 | -3.36 | QP |
| 8 | 0.3500 | 25.66 | 19.51 | 45.17 | 48.96 | -3.79 | AVG |
| 9 | 0.3899 | 33.62 | 19.51 | 53.13 | 58.07 | -4.94 | QP |
| 10 | 0.3899 | 23.95 | 19.51 | 43.46 | 48.07 | -4.61 | AVG |
| 11 | 0.6460 | 21.44 | 19.52 | 40.96 | 56.00 | -15.04 | QP |
| 12 | 0.6460 | 11.05 | 19.52 | 30.57 | 46.00 | -15.43 | AVG |

Remarks:

1. Result value (dBuV) = Reading value (dBuV) + Correction Factor (dB)
2. Margin(dB) = Result value (dBuV) - Limit value (dBuV)
3. Correction Factor(dB) = Insertion loss(dB) + Cable loss(dB)
4. The other emission levels were very low against the limit.

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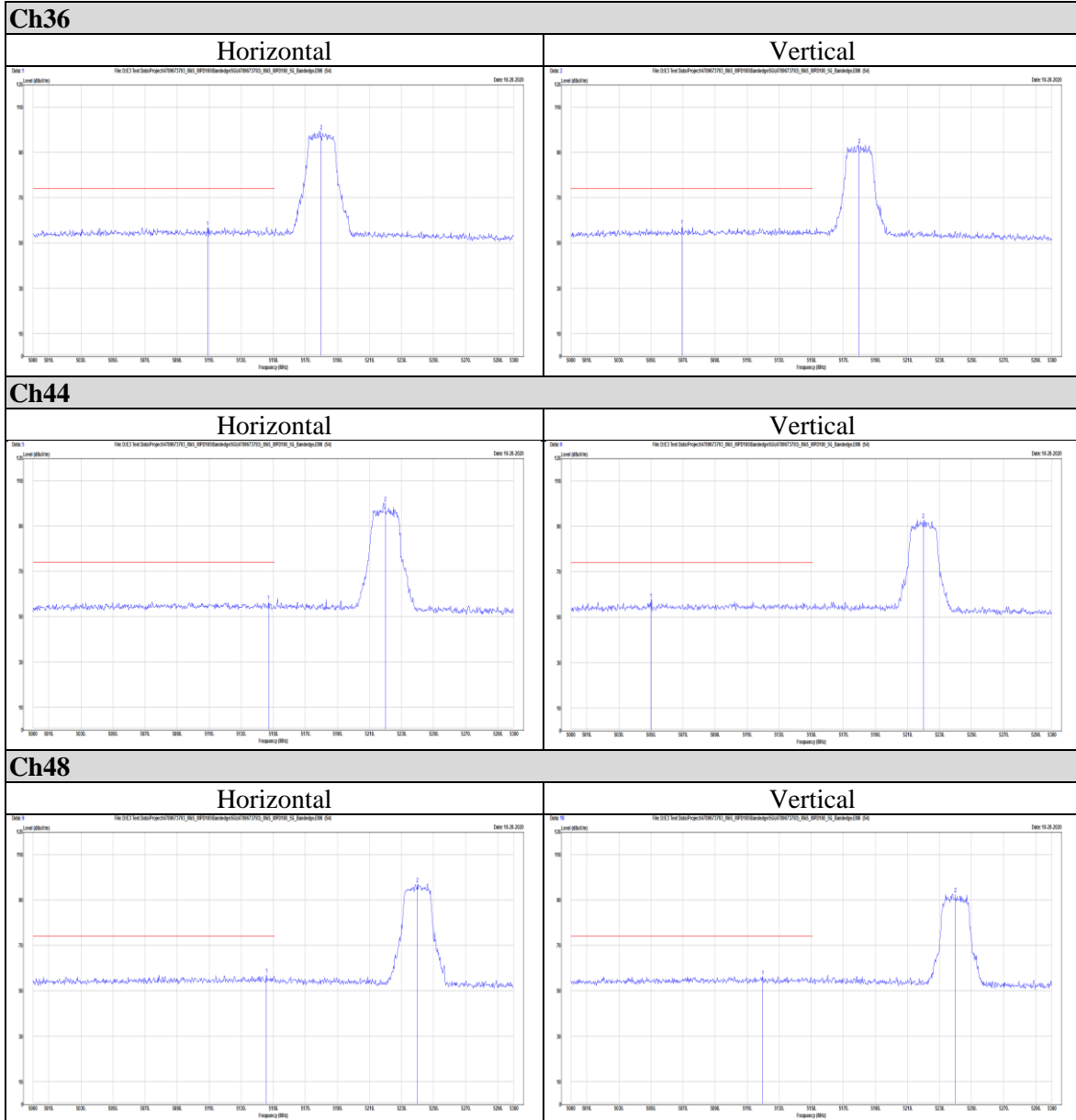
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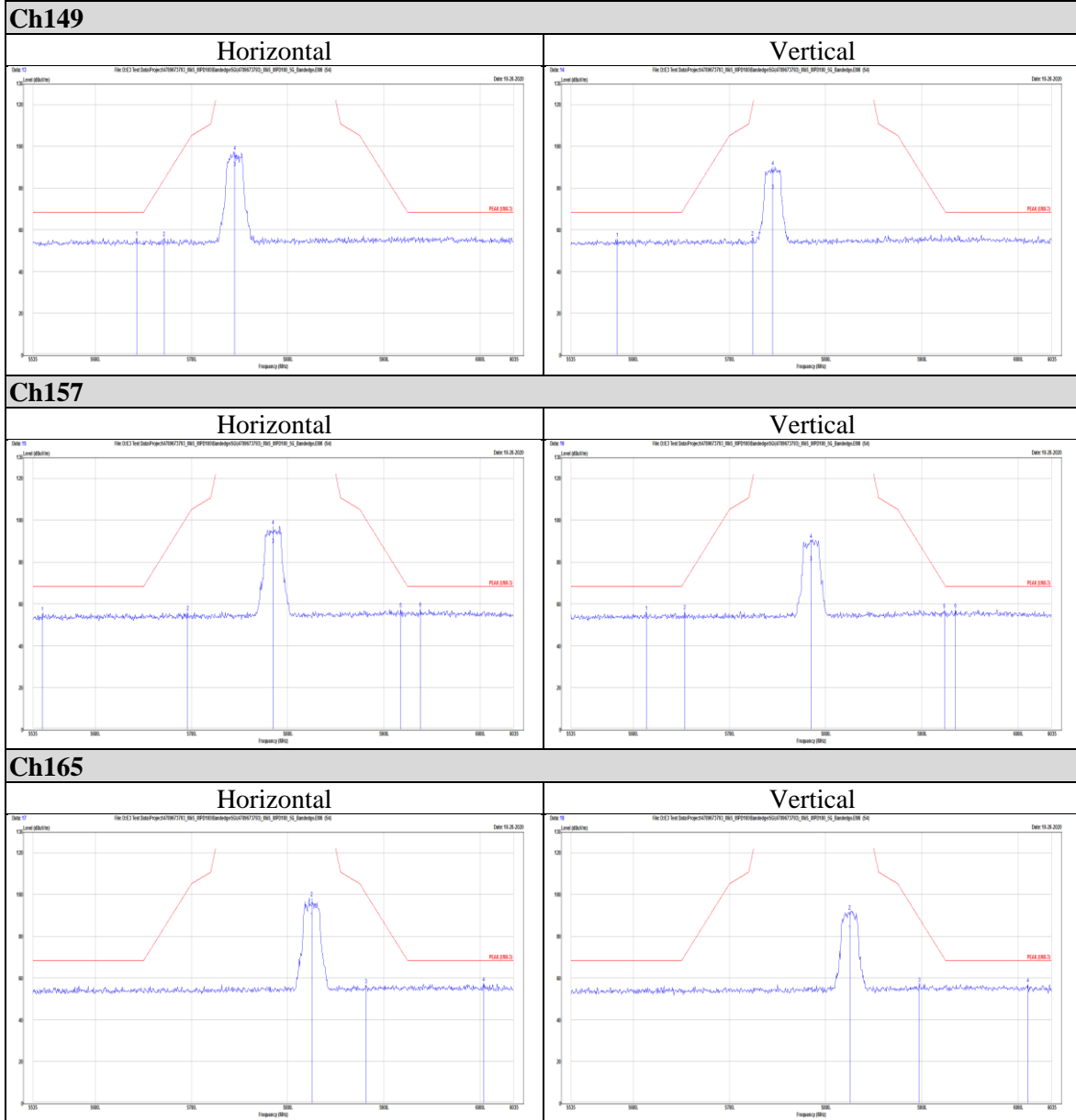


Appendix I Radiated Band Edge and OOB Measurement

802.11a

Peak





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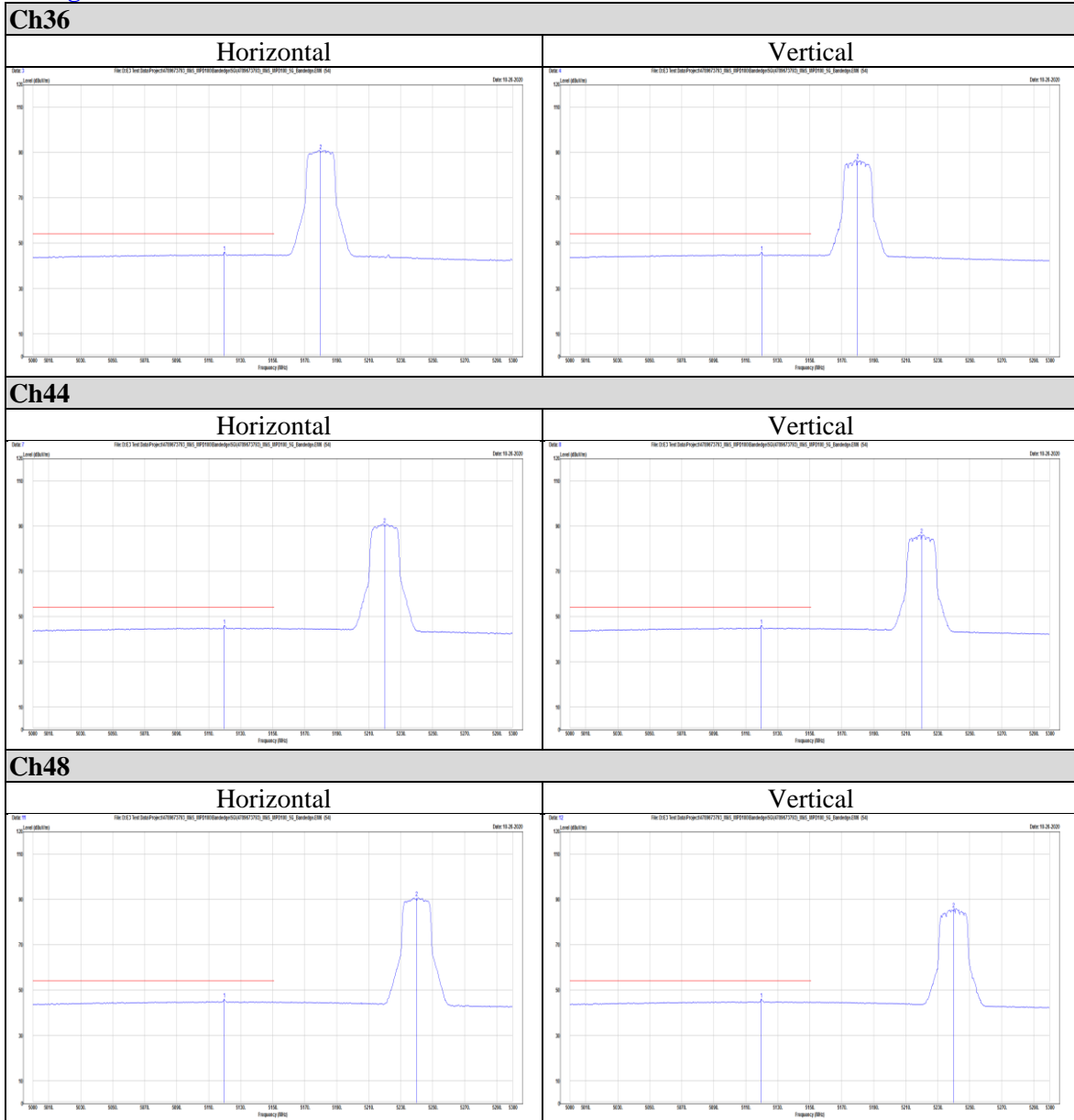
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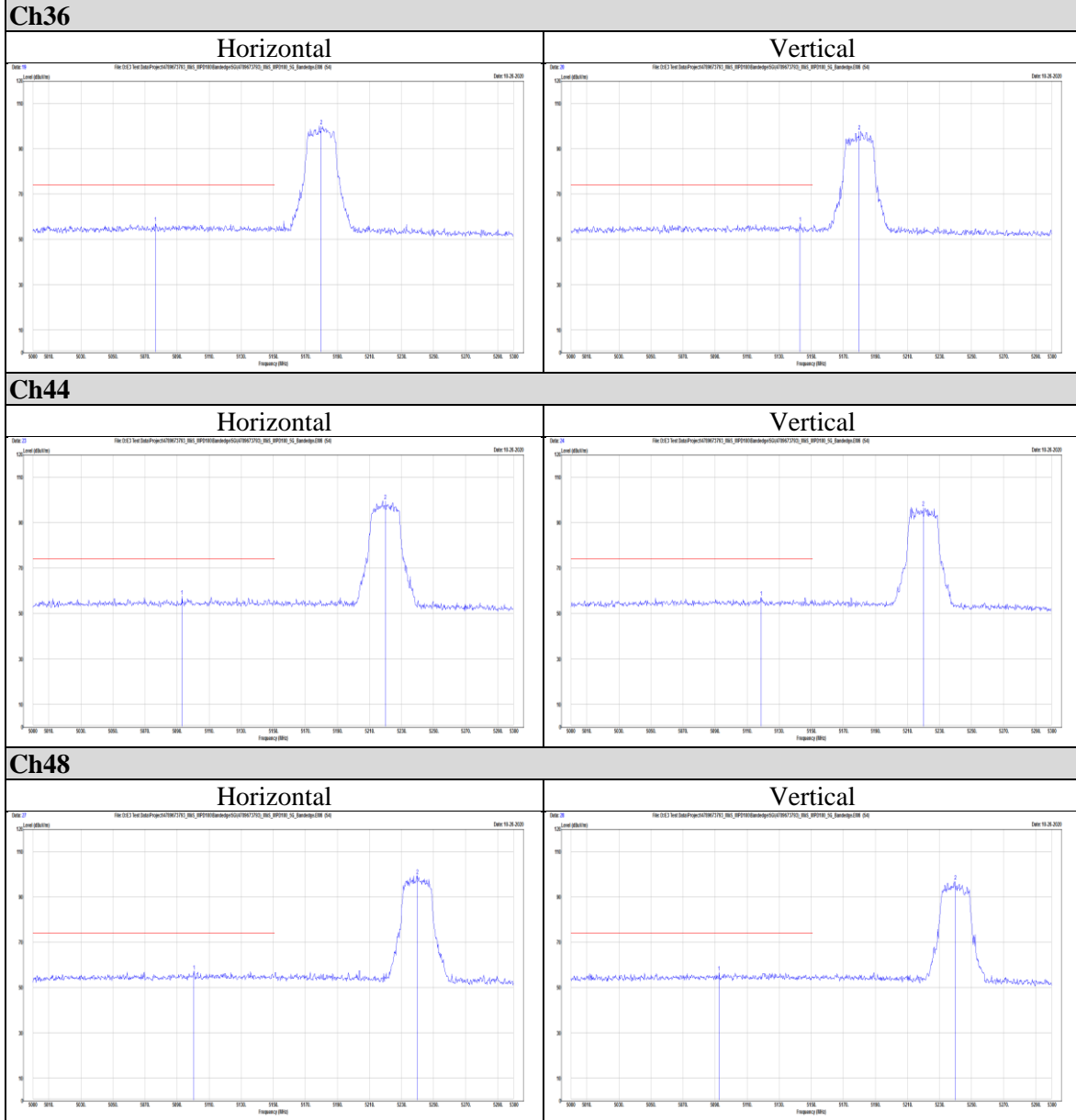
Average

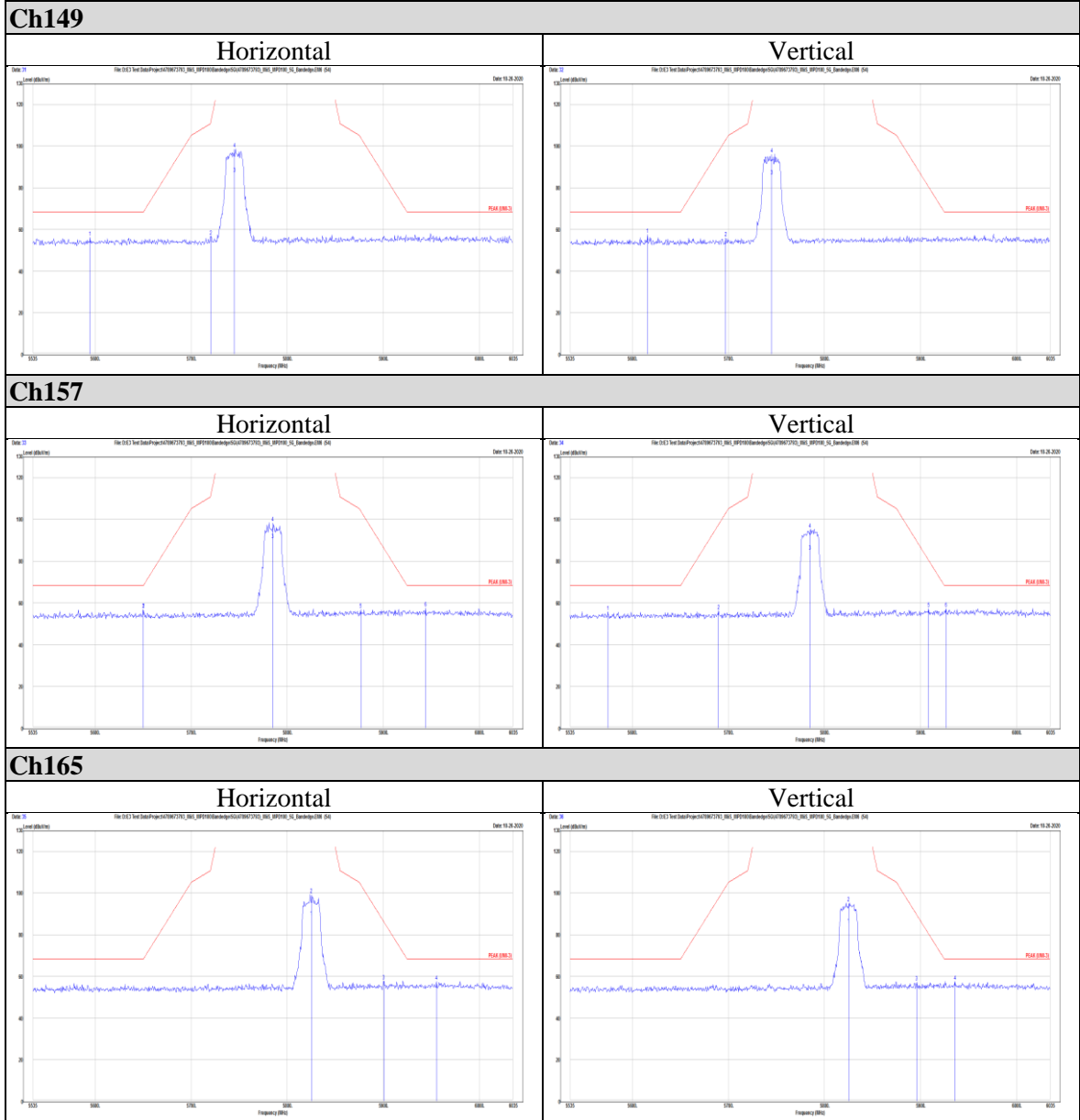




802.11ac (VHT20)

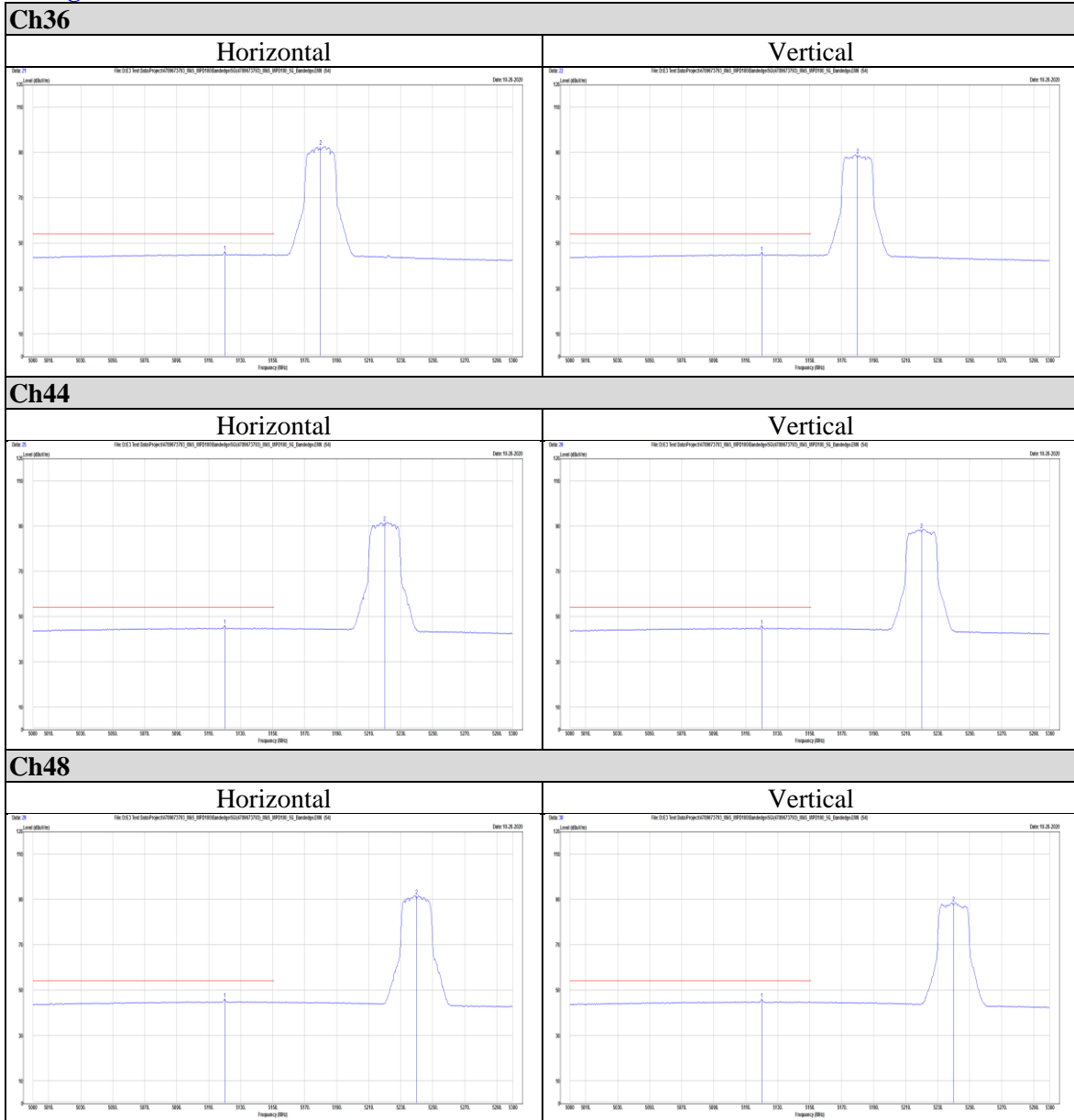
Peak







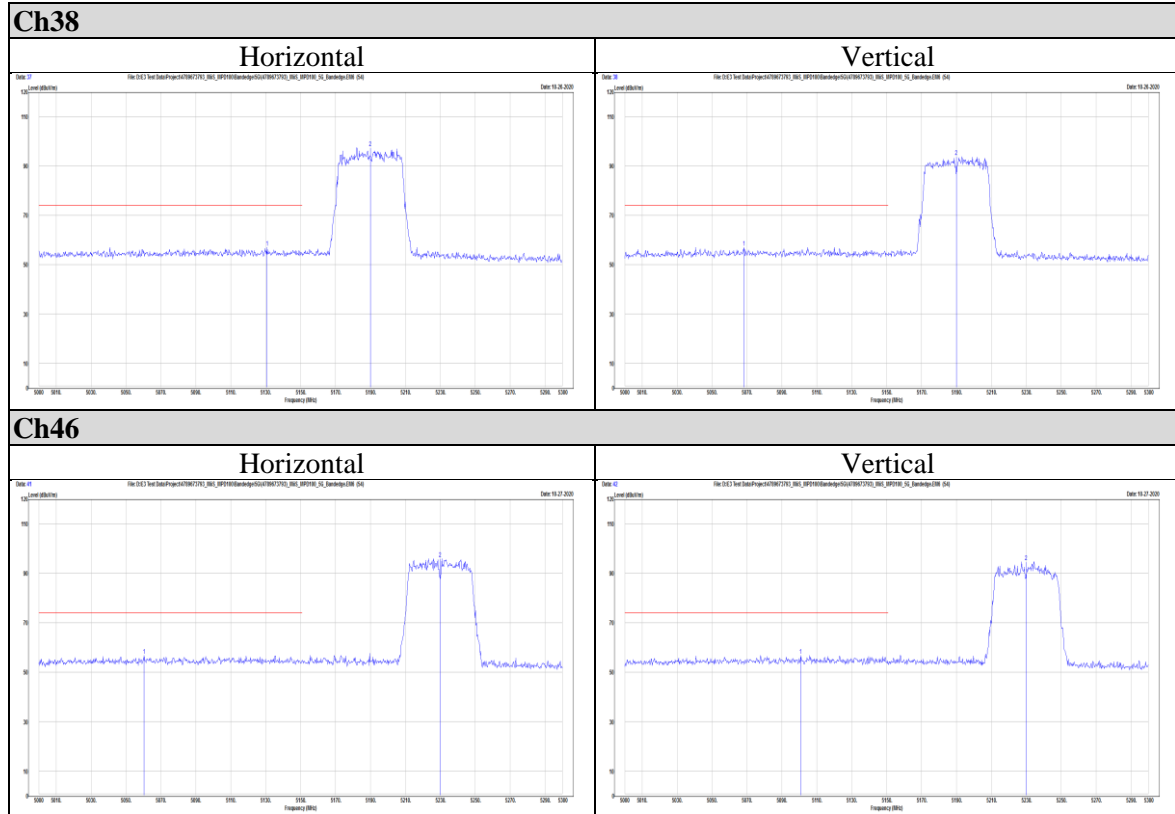
Average

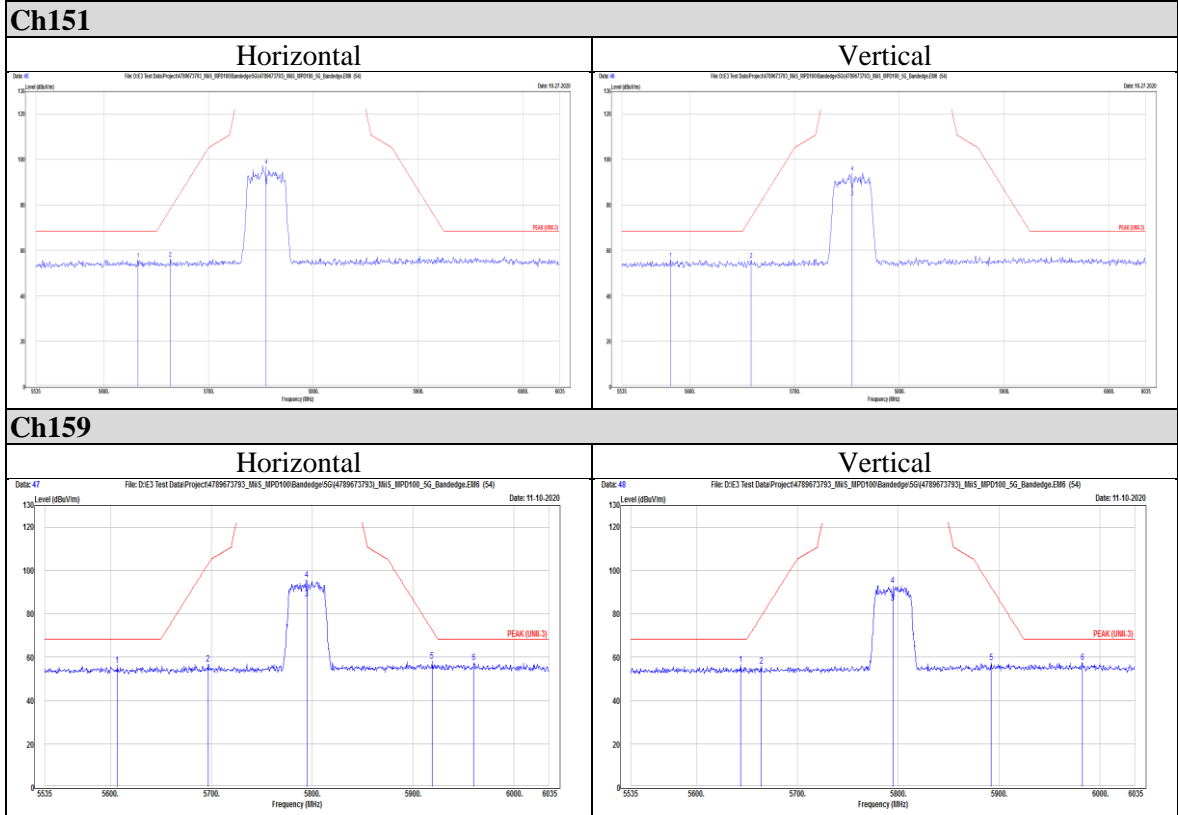




802.11ac (VHT40)

Peak





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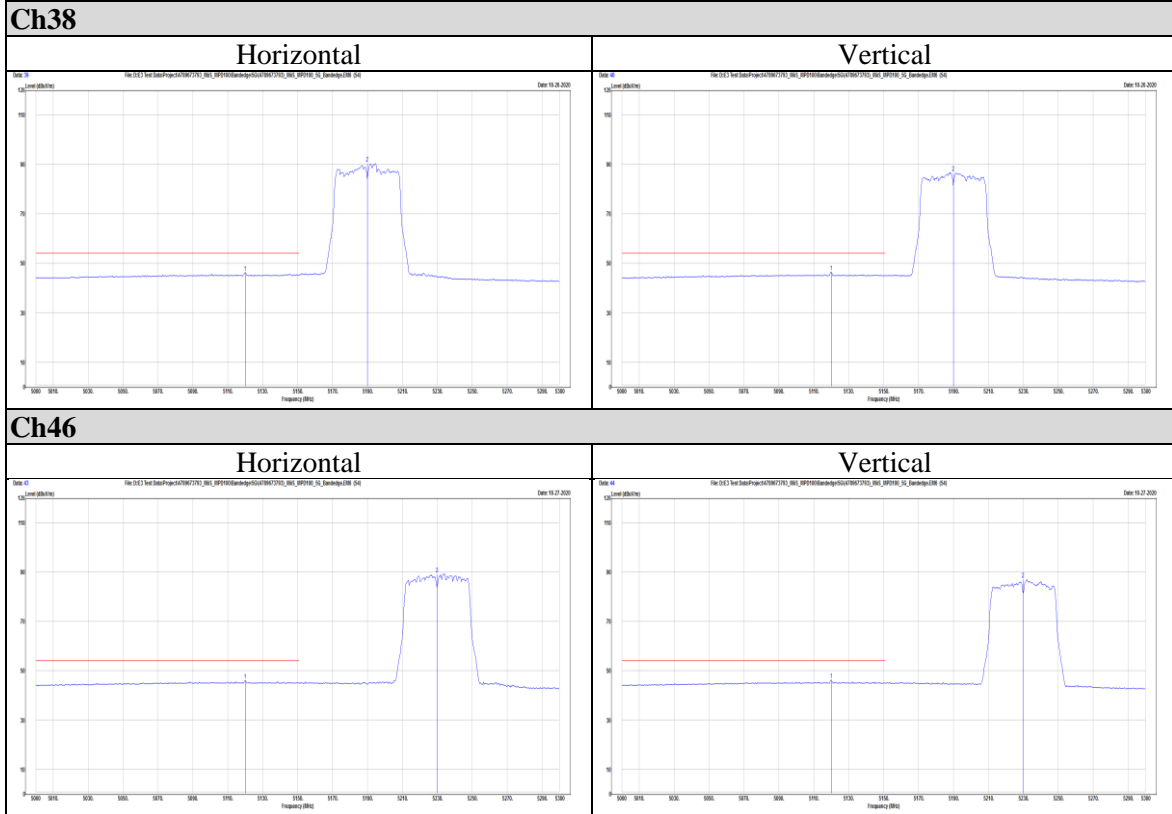
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Doc No: 17-EM-F0878 / 5.0



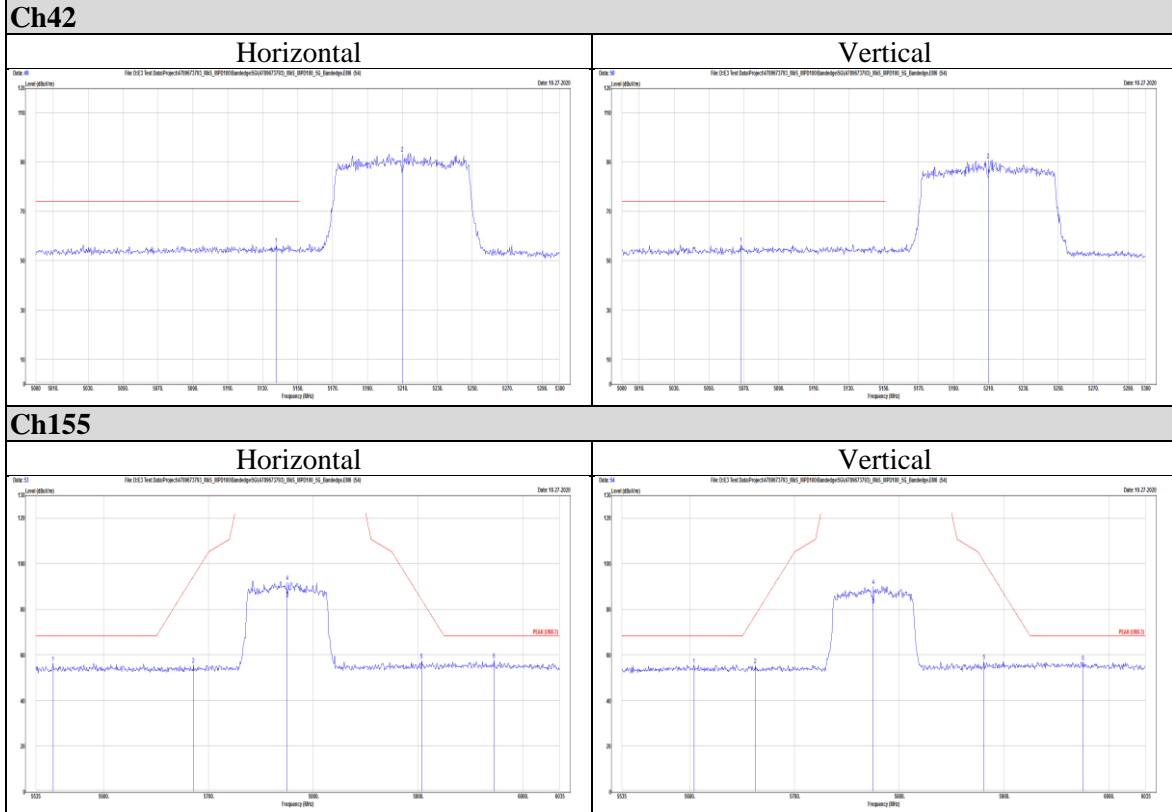
Average



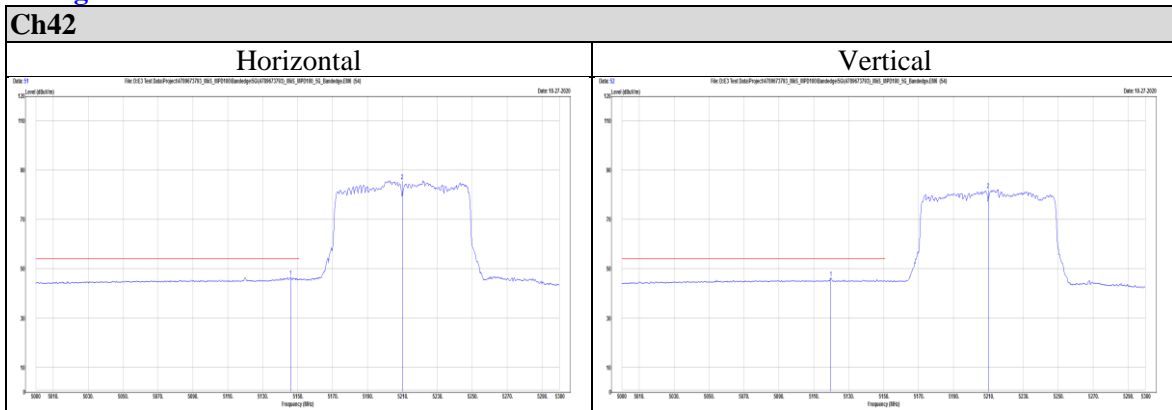


802.11ac (VHT80)

Peak



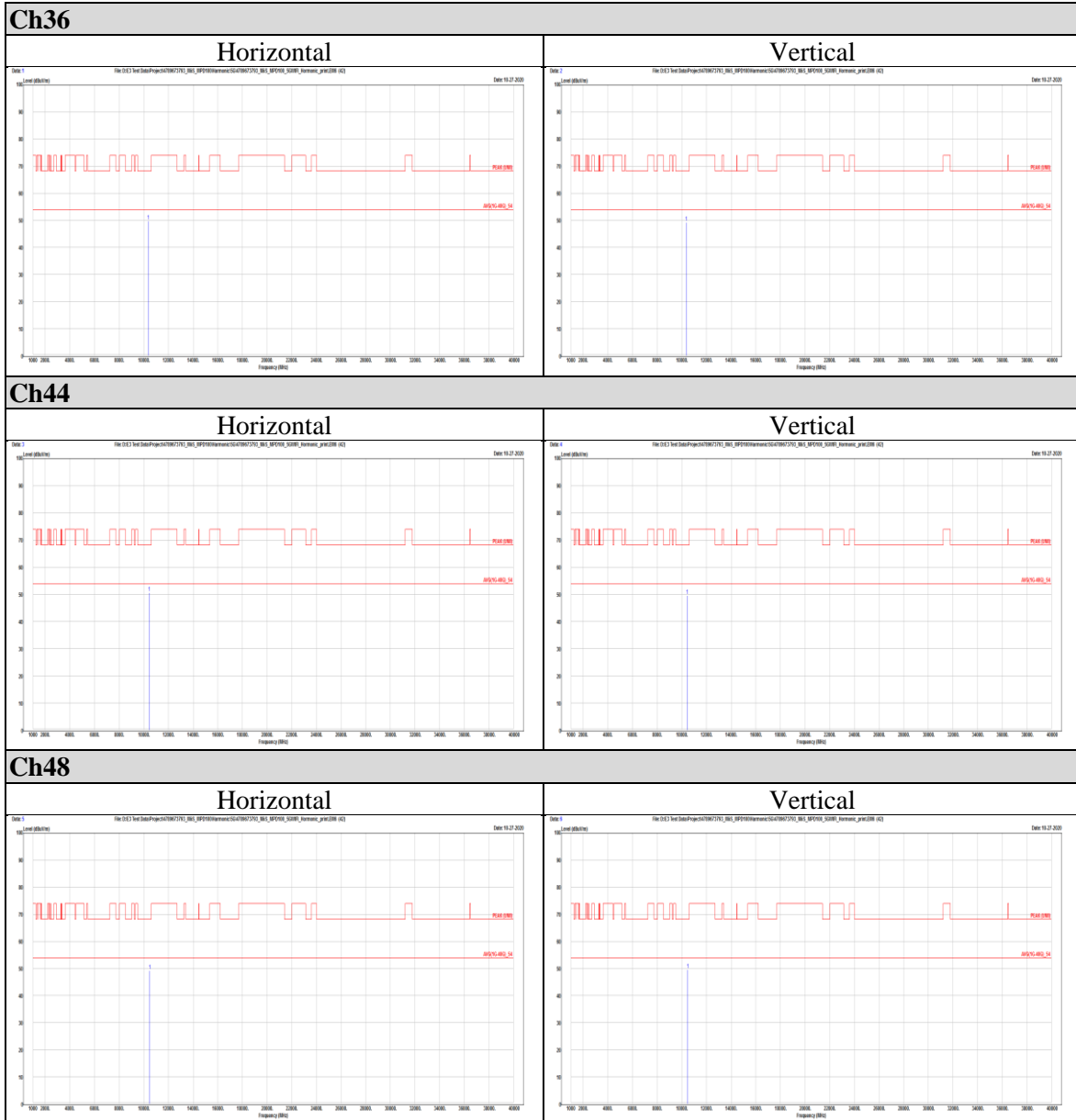
Average

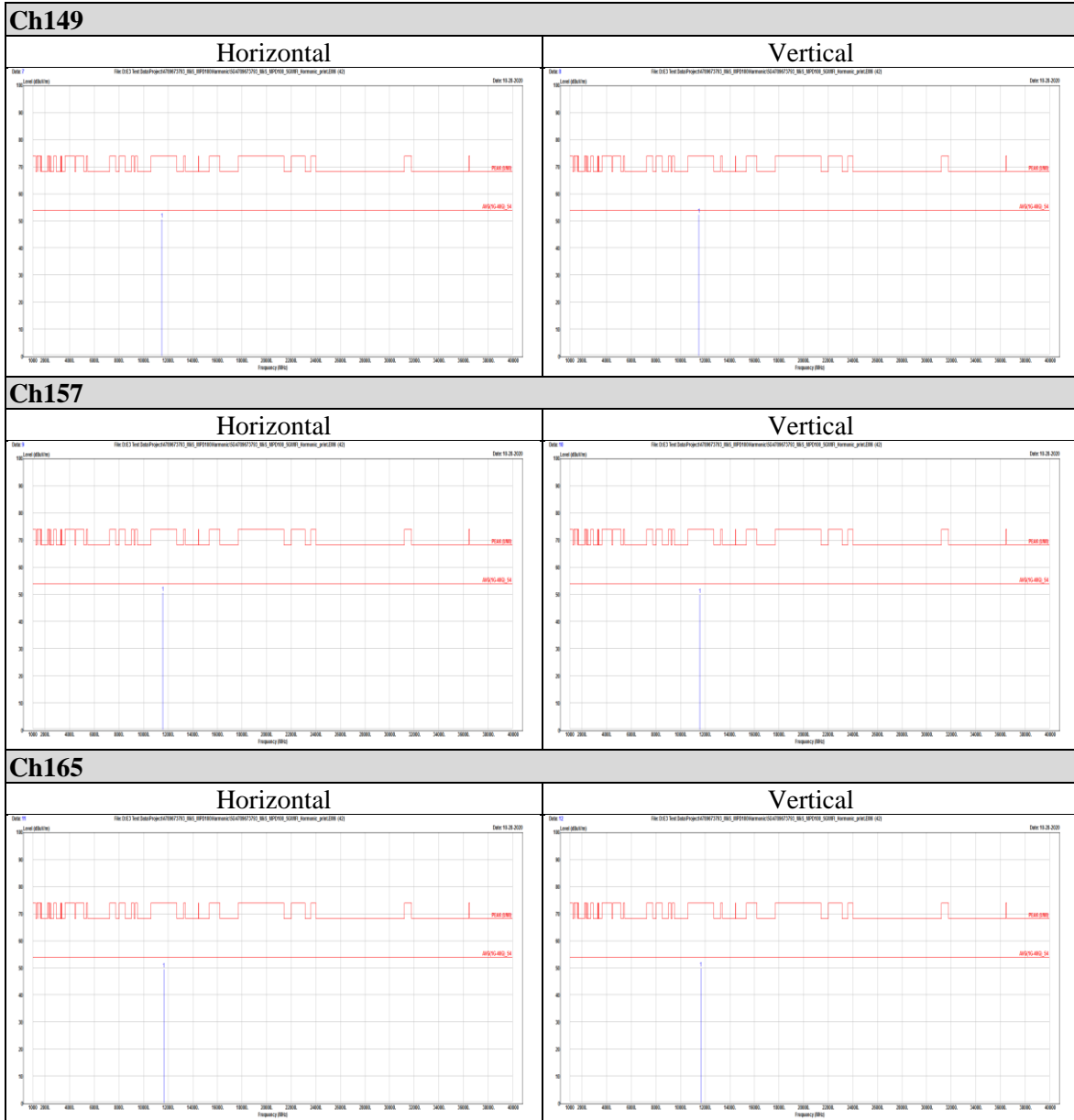




Appendix II Radiated Spurious Emission Measurement

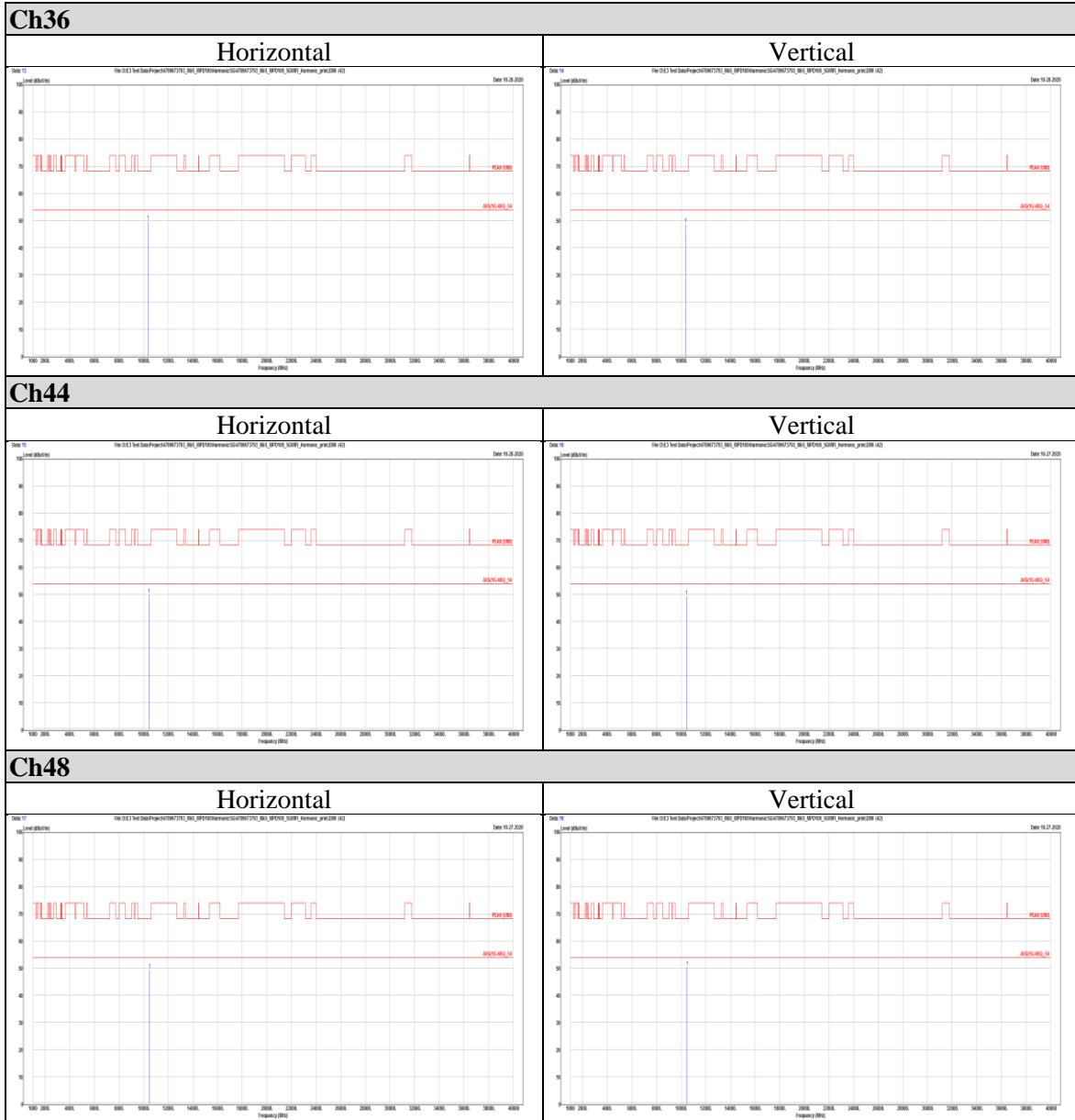
802.11a

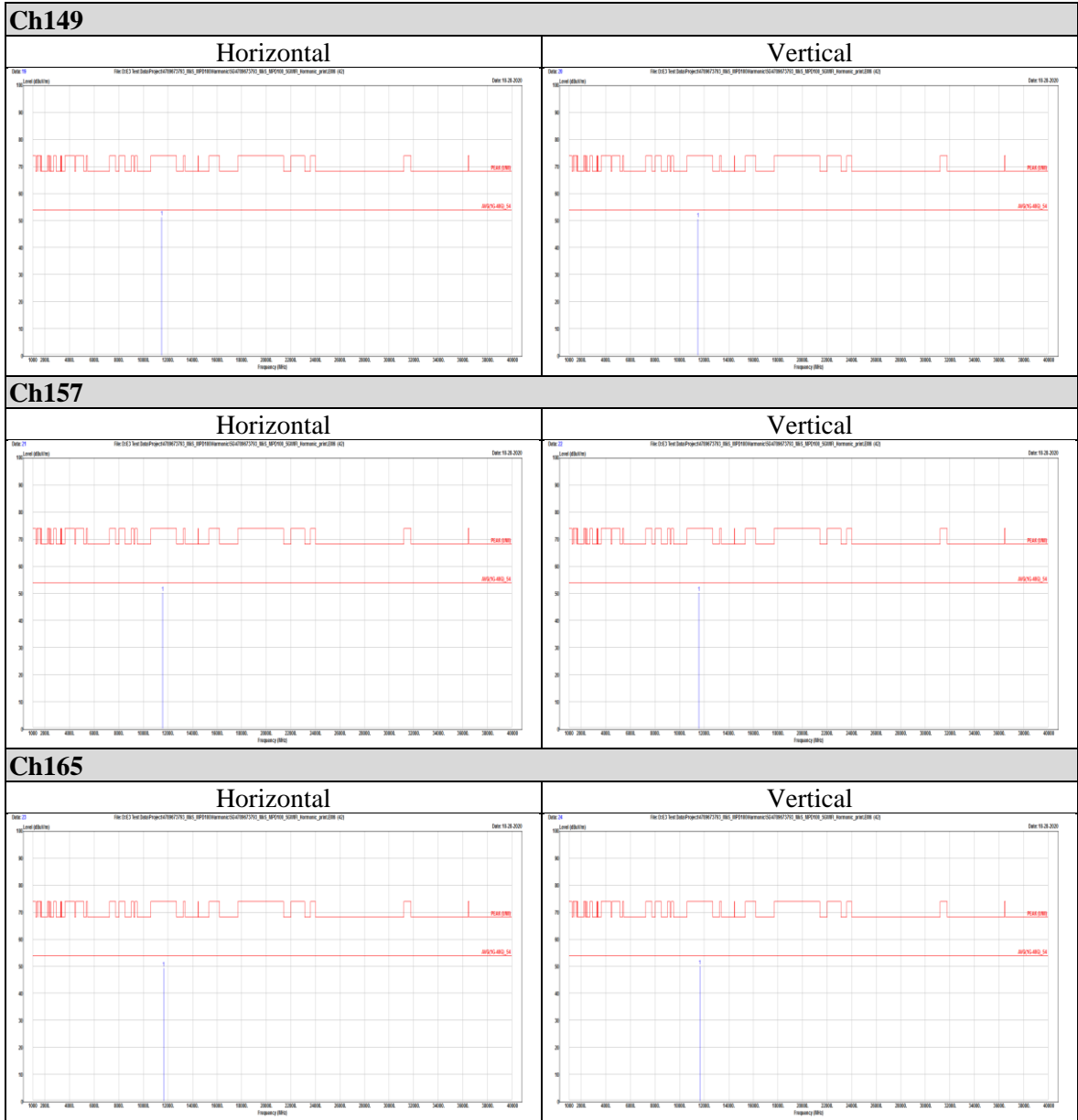






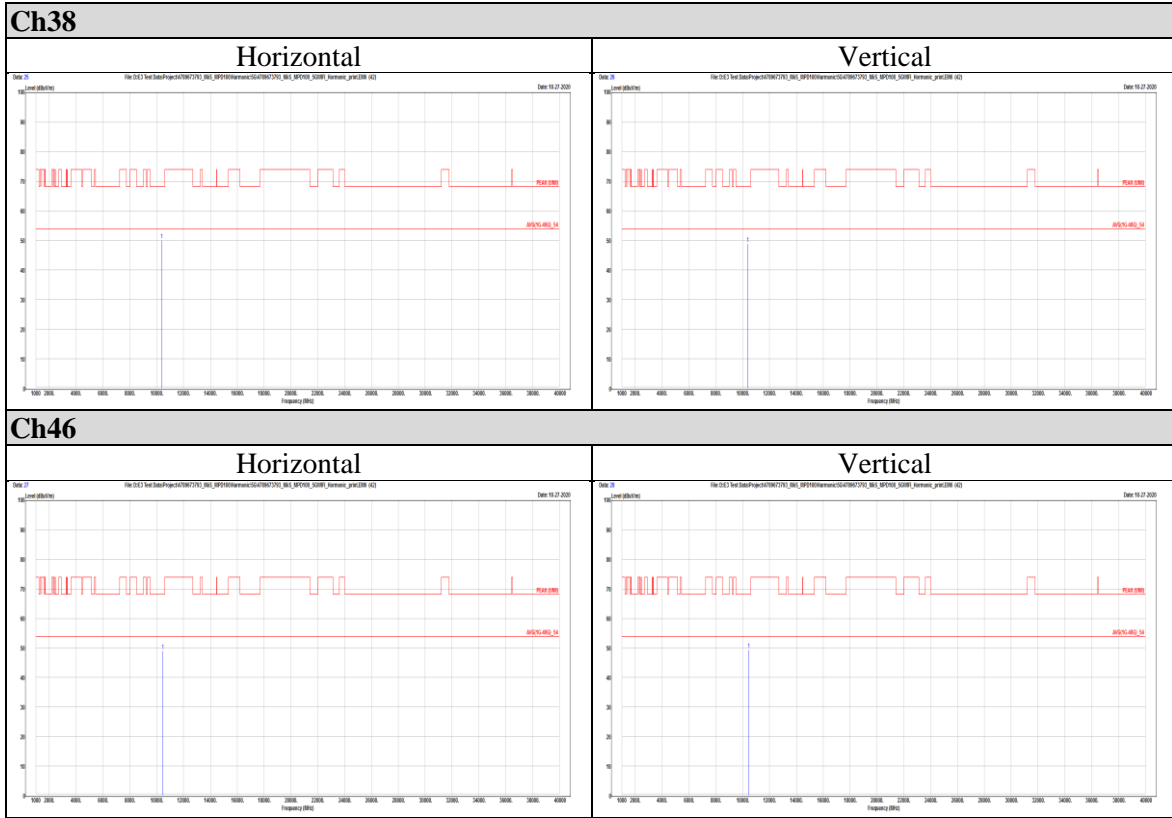
802.11ac (VHT20)

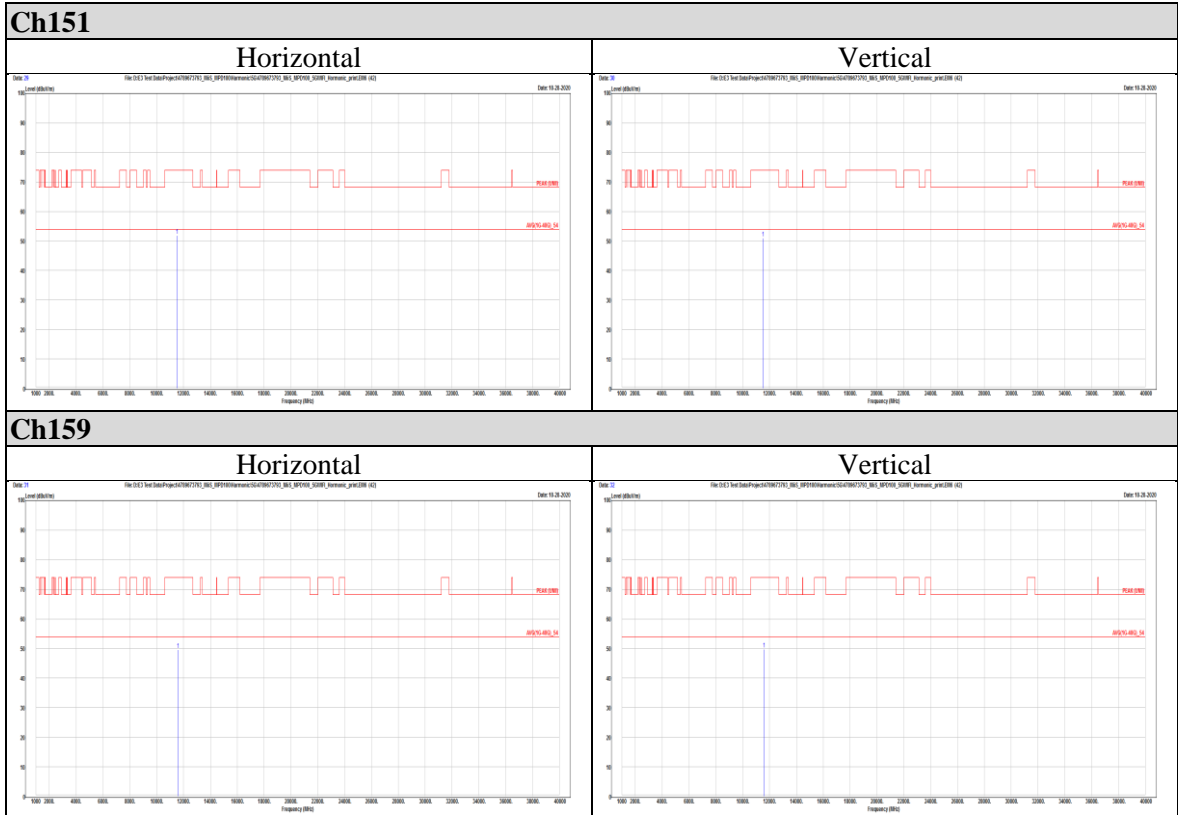






802.11ac (VHT40)







802.11ac (VHT80)

