

Ch.60(5 300 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 599.33       | H   | 50.2              | -----             | 7.2           | 57.4                | -----               | -----                  | 74.0                | -----               | 16.6           | -----          |
| 10 598.31       | H   | -----             | 36.2              | 7.2           | -----               | 43.4                | 0.1                    | -----               | 54.0                | -----          | 10.5           |
| 10 602.19       | V   | 56.4              | -----             | 7.2           | 63.6                | -----               | -----                  | 74.0                | -----               | 10.4           | -----          |
| 10 602.53       | V   | -----             | 37.5              | 7.2           | -----               | 44.7                | 0.1                    | -----               | 54.0                | -----          | 9.2            |

Ch.64(5 320 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 639.32       | H   | 50.0              | -----             | 7.2           | 57.2                | -----               | -----                  | 74.0                | -----               | 16.8           | -----          |
| 10 638.81       | H   | -----             | 36.4              | 7.2           | -----               | 43.6                | 0.1                    | -----               | 54.0                | -----          | 10.3           |
| 10 637.46       | V   | 57.1              | -----             | 7.2           | 64.3                | -----               | -----                  | 74.0                | -----               | 9.7            | -----          |
| 10 637.46       | V   | -----             | 37.7              | 7.2           | -----               | 44.9                | 0.1                    | -----               | 54.0                | -----          | 9.0            |

Ch.100(5 500 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 002.64       | H   | 48.3              | -----             | 7.6           | 55.9                | -----               | -----                  | 74.0                | -----               | 18.1           | -----          |
| 11 041.28       | H   | -----             | 35.4              | 7.8           | -----               | 43.2                | 0.1                    | -----               | 54.0                | -----          | 10.7           |
| 11 002.30       | V   | 53.9              | -----             | 7.6           | 61.5                | -----               | -----                  | 74.0                | -----               | 12.5           | -----          |
| 11 002.47       | V   | -----             | 36.9              | 7.6           | -----               | 44.5                | 0.1                    | -----               | 54.0                | -----          | 9.4            |
| 16 497.53       | V   | 50.2              | -----             | 13.2          | 63.4                | -----               | -----                  | 74.0                | -----               | 10.6           | -----          |
| 16 453.63       | V   | -----             | 36.2              | 12.9          | -----               | 49.1                | 0.1                    | -----               | 54.0                | -----          | 4.8            |

Ch.120(5 600 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 203.45       | H   | 47.1              | -----             | 7.9           | 55.0                | -----               | -----                  | 74.0                | -----               | 19.0           | -----          |
| 11 203.11       | H   | -----             | 35.0              | 7.9           | -----               | 42.9                | 0.1                    | -----               | 54.0                | -----          | 11.0           |
| 11 201.26       | V   | 51.1              | -----             | 7.9           | 59.0                | -----               | -----                  | 74.0                | -----               | 15.0           | -----          |
| 11 201.59       | V   | -----             | 35.5              | 7.9           | -----               | 43.4                | 0.1                    | -----               | 54.0                | -----          | 10.5           |



Ch.144(5 720 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 436.49       | H   | 46.3              | -----             | 8.5           | 54.8                | -----               | -----                  | 74.0                | -----               | 19.2           | -----          |
| 11 442.06       | H   | -----             | 34.4              | 8.5           | -----               | 42.9                | 0.1                    | -----               | 54.0                | -----          | 11.0           |
| 11 435.48       | V   | 49.6              | -----             | 8.5           | 58.1                | -----               | -----                  | 74.0                | -----               | 15.9           | -----          |
| 11 441.56       | V   | -----             | 34.8              | 8.5           | -----               | 43.3                | 0.1                    | -----               | 54.0                | -----          | 10.6           |

Ch.149(5 745 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 492.18       | H   | 46.7              | -----             | 8.5           | 55.2                | -----               | -----                  | 74.0                | -----               | 18.8           | -----          |
| 11 449.66       | H   | -----             | 34.7              | 8.5           | -----               | 43.2                | 0.1                    | -----               | 54.0                | -----          | 10.7           |
| 11 485.94       | V   | 49.0              | -----             | 8.5           | 57.5                | -----               | -----                  | 74.0                | -----               | 16.5           | -----          |
| 11 491.67       | V   | -----             | 35.5              | 8.5           | -----               | 44.0                | 0.1                    | -----               | 54.0                | -----          | 9.9            |

Ch.157(5 785 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 566.43       | H   | 45.7              | -----             | 8.5           | 54.2                | -----               | -----                  | 74.0                | -----               | 19.8           | -----          |
| 11 589.89       | H   | -----             | 33.8              | 8.5           | -----               | 42.3                | 0.1                    | -----               | 54.0                | -----          | 11.6           |
| 11 572.51       | V   | 48.9              | -----             | 8.5           | 57.4                | -----               | -----                  | 74.0                | -----               | 16.6           | -----          |
| 11 571.33       | V   | -----             | 34.5              | 8.5           | -----               | 43.0                | 0.1                    | -----               | 54.0                | -----          | 10.9           |

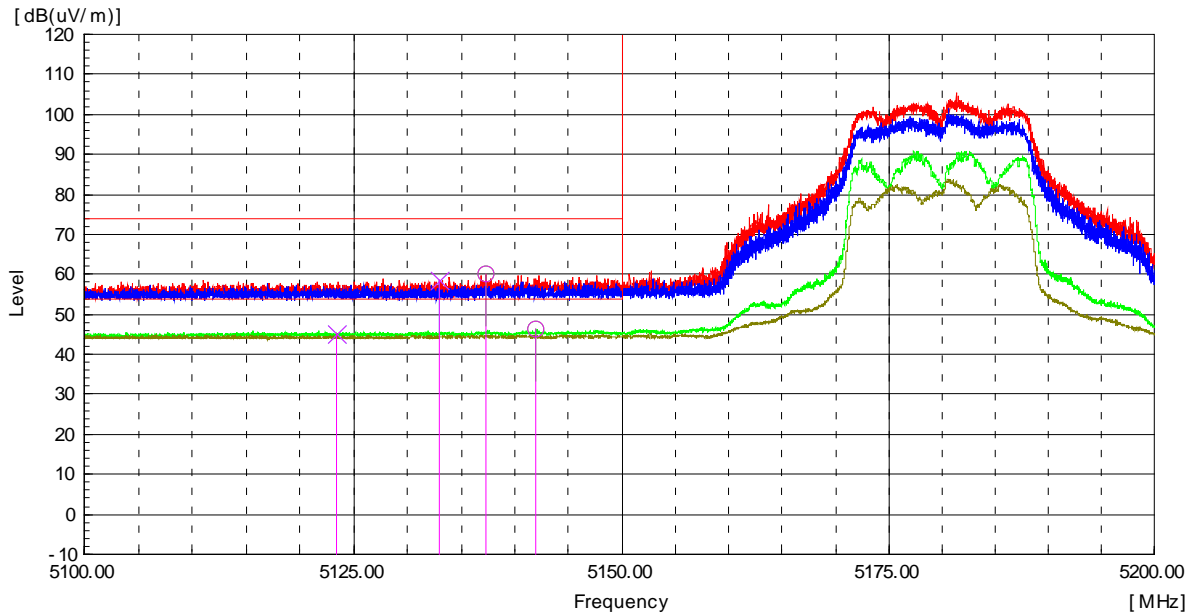
Ch.165(5 825 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 652.33       | H   | 45.3              | -----             | 8.6           | 53.9                | -----               | -----                  | 74.0                | -----               | 20.1           | -----          |
| 11 645.91       | H   | -----             | 34.6              | 8.5           | -----               | 43.1                | 0.1                    | -----               | 54.0                | -----          | 10.8           |
| 11 651.82       | V   | 50.2              | -----             | 8.6           | 58.8                | -----               | -----                  | 74.0                | -----               | 15.2           | -----          |
| 11 651.82       | V   | -----             | 35.4              | 8.6           | -----               | 44.0                | 0.1                    | -----               | 54.0                | -----          | 9.9            |

**Remarks**

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(Z axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)  
 Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

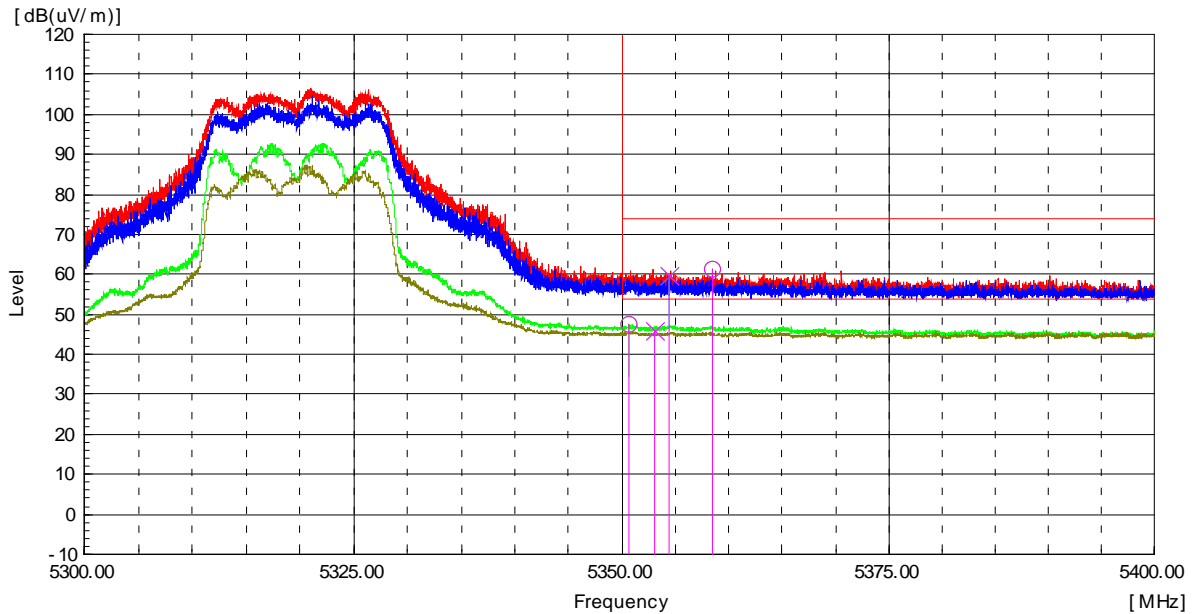
|                            |           |
|----------------------------|-----------|
| Worst Case Mode :          | 802.11a   |
| Worst Case Transfer Rate : | 6 Mbps    |
| Distance of Measurements : | 3 Meters  |
| Operating Frequency :      | 5 180 MHz |
| Channel :                  | 36        |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 137.33        | H   | 58.7              | -----             | 1.4           | 60.1                | -----               | -----                  | 74.0                | -----               | 13.9           | -----          |
| 5 141.95        | H   | -----             | 44.9              | 1.4           | -----               | 46.3                | 0.1                    | -----               | 54.0                | -----          | 7.6            |
| 5 132.93        | V   | 57.2              | -----             | 1.4           | 58.6                | -----               | -----                  | 74.0                | -----               | 15.4           | -----          |
| 5 123.46        | V   | -----             | 43.9              | 1.3           | -----               | 45.2                | 0.1                    | -----               | 54.0                | -----          | 8.7            |

Radiated Restricted Band Edge Plot

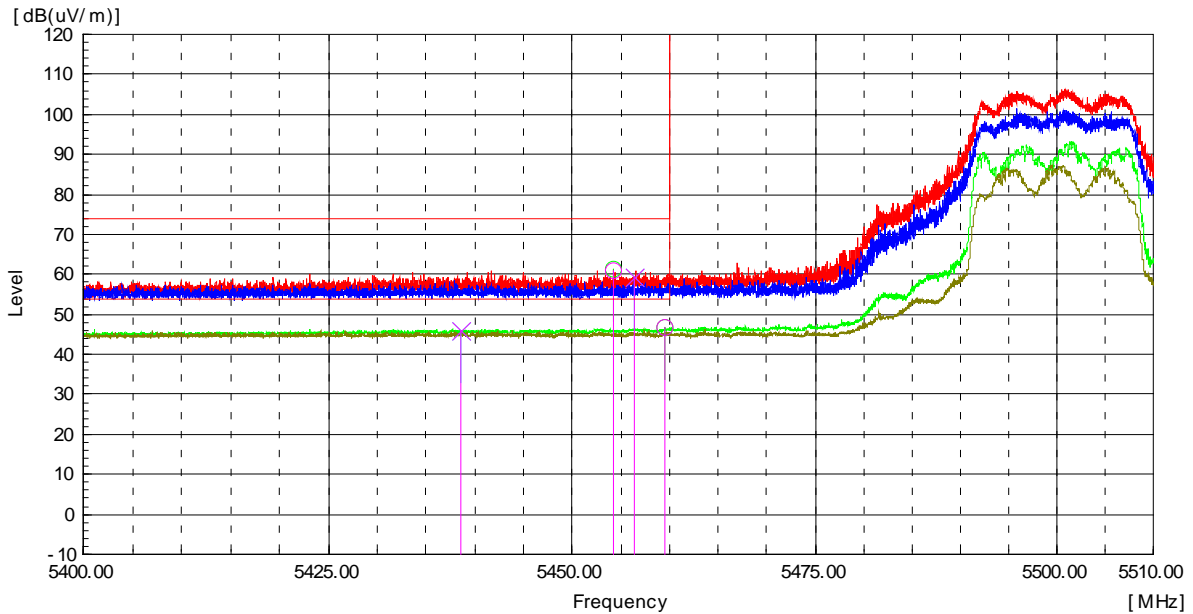
|                            |           |
|----------------------------|-----------|
| Worst Case Mode :          | 802.11a   |
| Worst Case Transfer Rate : | 6 Mbps    |
| Distance of Measurements : | 3 Meters  |
| Operating Frequency :      | 5 320 MHz |
| Channel :                  | 64        |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 358.46        | H   | 59.3              | -----             | 2.1           | 61.4                | -----               | -----                  | 74.0                | -----               | 12.6           | -----          |
| 5 350.69        | H   | -----             | 45.3              | 2.1           | -----               | 47.4                | 0.1                    | -----               | 54.0                | -----          | 6.5            |
| 5 354.35        | V   | 57.8              | -----             | 2.1           | 59.9                | -----               | -----                  | 74.0                | -----               | 14.1           | -----          |
| 5 353.10        | V   | -----             | 43.8              | 2.1           | -----               | 45.9                | 0.1                    | -----               | 54.0                | -----          | 8.0            |

Radiated Restricted Band Edge Plot

|                            |           |
|----------------------------|-----------|
| Worst Case Mode :          | 802.11a   |
| Worst Case Transfer Rate : | 6 Mbps    |
| Distance of Measurements : | 3 Meters  |
| Operating Frequency :      | 5 500 MHz |
| Channel :                  | 100       |

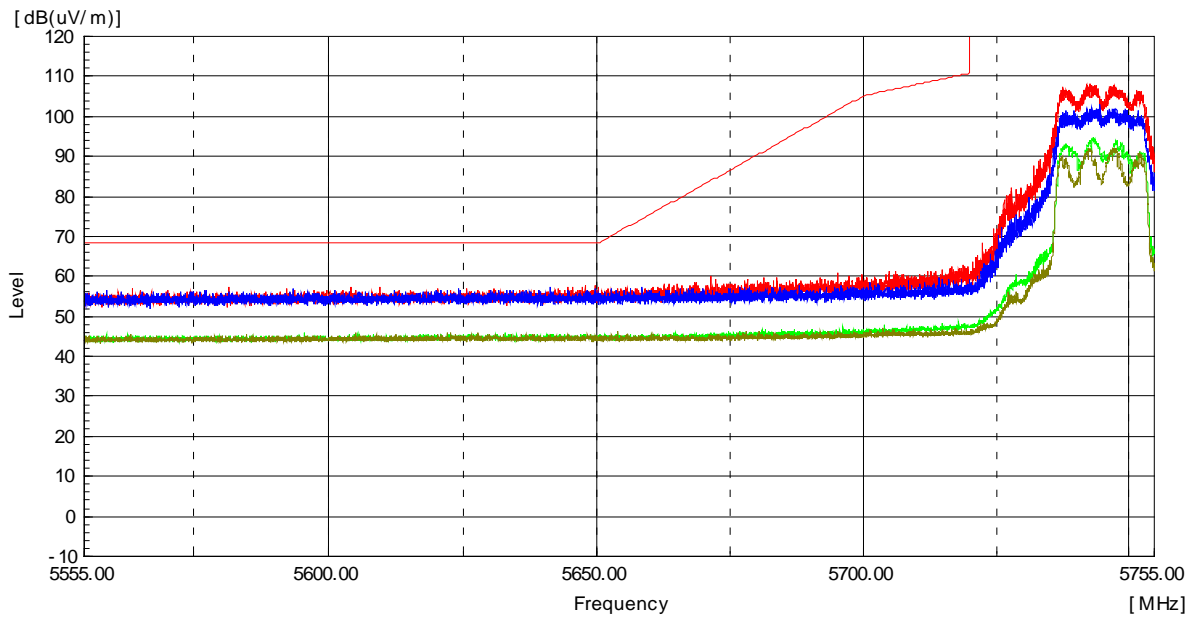


| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 454.29        | H   | 59.1              | -----             | 2.0           | 61.1                | -----               | -----                  | 74.0                | -----               | 12.9           | -----          |
| 5 459.46        | H   | -----             | 44.6              | 2.0           | -----               | 46.6                | 0.1                    | -----               | 54.0                | -----          | 7.3            |
| 5 456.39        | V   | 57.4              | -----             | 2.0           | 59.4                | -----               | -----                  | 74.0                | -----               | 14.6           | -----          |
| 5 438.53        | V   | -----             | 43.9              | 2.0           | -----               | 45.9                | 0.1                    | -----               | 54.0                | -----          | 8.0            |

Radiated Restricted Band Edge Plot



|                            |           |
|----------------------------|-----------|
| Worst Case Mode :          | 802.11a   |
| Worst Case Transfer Rate : | 6 Mbps    |
| Distance of Measurements : | 3 Meters  |
| Operating Frequency :      | 5 745 MHz |
| Channel :                  | 149       |

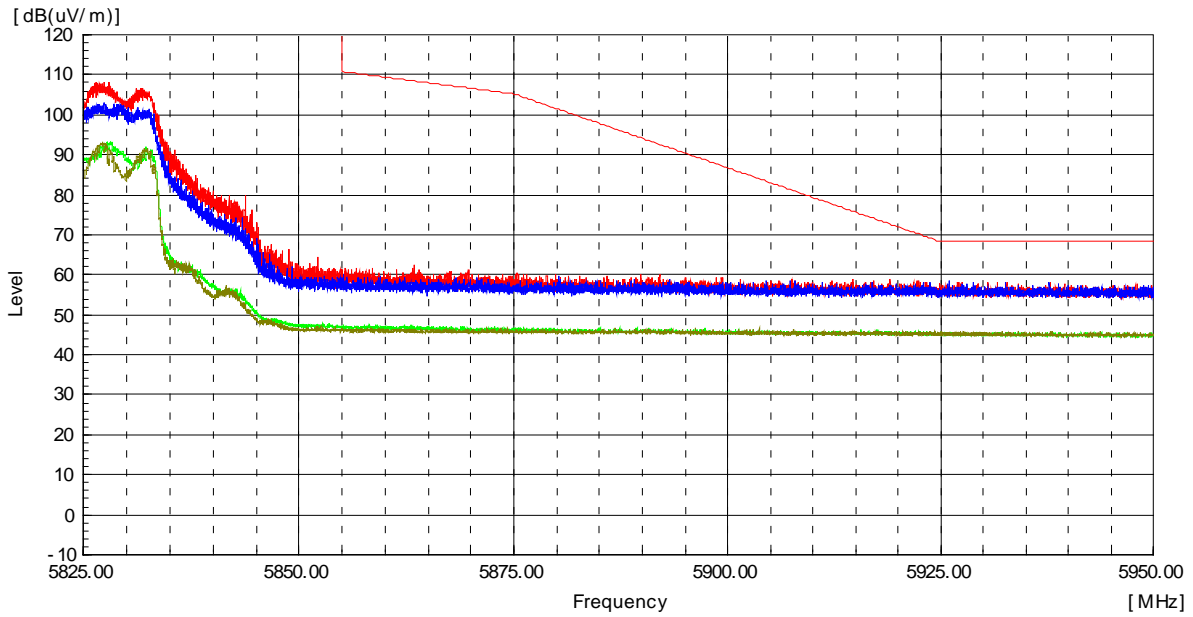


| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot

|                            |           |
|----------------------------|-----------|
| Worst Case Mode :          | 802.11a   |
| Worst Case Transfer Rate : | 6 Mbps    |
| Distance of Measurements : | 3 Meters  |
| Operating Frequency :      | 5 825 MHz |
| Channel :                  | 165       |



| Frequency [MHz] | Reading (P) PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-----------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot



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Report No.:  
 CTK-2021-03422  
 Page (278) / (373) Pages

**Test mode : Transmitter, 802.11n\_HT20**

The requirements are:

Complies

**Test Data**

**Ch.36(5 180 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 357.34       | H   | 47.0              | -----             | 6.7           | 53.7                | -----               | -----                  | 74.0                | -----               | 20.3           | -----          |
| 10 359.53       | H   | -----             | 36.0              | 6.7           | -----               | 42.7                | 0.1                    | -----               | 54.0                | -----          | 11.2           |
| 10 361.56       | V   | 51.5              | -----             | 6.7           | 58.2                | -----               | -----                  | 74.0                | -----               | 15.8           | -----          |
| 10 360.88       | V   | -----             | 35.8              | 6.7           | -----               | 42.5                | 0.1                    | -----               | 54.0                | -----          | 11.4           |

**Ch.40(5 200 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 400.71       | H   | 47.2              | -----             | 6.7           | 53.9                | -----               | -----                  | 74.0                | -----               | 20.1           | -----          |
| 10 400.03       | H   | -----             | 37.2              | 6.7           | -----               | 43.9                | 0.1                    | -----               | 54.0                | -----          | 10.0           |
| 10 403.74       | V   | 52.0              | -----             | 6.7           | 58.7                | -----               | -----                  | 74.0                | -----               | 15.3           | -----          |
| 10 398.34       | V   | -----             | 36.2              | 6.7           | -----               | 42.9                | 0.1                    | -----               | 54.0                | -----          | 11.0           |

**Ch.48(5 240 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 478.16       | H   | 47.2              | -----             | 6.9           | 54.1                | -----               | -----                  | 74.0                | -----               | 19.9           | -----          |
| 10 479.85       | H   | -----             | 35.9              | 6.9           | -----               | 42.8                | 0.1                    | -----               | 54.0                | -----          | 11.1           |
| 10 480.86       | V   | 54.7              | -----             | 6.9           | 61.6                | -----               | -----                  | 74.0                | -----               | 12.4           | -----          |
| 10 480.86       | V   | -----             | 36.4              | 6.9           | -----               | 43.3                | 0.1                    | -----               | 54.0                | -----          | 10.6           |



Ch.52(5 260 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 517.31       | H   | 49.2              | -----             | 7.0           | 56.2                | -----               | -----                  | 74.0                | -----               | 17.8           | -----          |
| 10 521.53       | H   | -----             | 36.0              | 7.0           | -----               | 43.0                | 0.1                    | -----               | 54.0                | -----          | 10.9           |
| 10 518.66       | V   | 56.0              | -----             | 7.0           | 63.0                | -----               | -----                  | 74.0                | -----               | 11.0           | -----          |
| 10 520.69       | V   | -----             | 37.4              | 7.0           | -----               | 44.4                | 0.1                    | -----               | 54.0                | -----          | 9.5            |
| 15 789.05       | H   | 47.9              | -----             | 11.2          | 59.1                | -----               | -----                  | 74.0                | -----               | 14.9           | -----          |
| 15 803.02       | H   | -----             | 36.6              | 11.2          | -----               | 47.8                | 0.1                    | -----               | 54.0                | -----          | 6.1            |
| 15 772.84       | V   | 51.6              | -----             | 11.2          | 62.8                | -----               | -----                  | 74.0                | -----               | 11.2           | -----          |
| 15 774.84       | V   | -----             | 36.6              | 11.2          | -----               | 47.8                | 0.1                    | -----               | 54.0                | -----          | 6.1            |

Ch.60(5 300 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 605.57       | H   | 48.6              | -----             | 7.2           | 55.8                | -----               | -----                  | 74.0                | -----               | 18.2           | -----          |
| 10 601.86       | H   | -----             | 35.8              | 7.2           | -----               | 43.0                | 0.1                    | -----               | 54.0                | -----          | 10.9           |
| 10 601.18       | V   | 55.1              | -----             | 7.2           | 62.3                | -----               | -----                  | 74.0                | -----               | 11.7           | -----          |
| 10 600.84       | V   | -----             | 37.4              | 7.2           | -----               | 44.6                | 0.1                    | -----               | 54.0                | -----          | 9.3            |
| 15 902.52       | H   | 48.9              | -----             | 11.5          | 60.4                | -----               | -----                  | 74.0                | -----               | 13.6           | -----          |
| 15 882.07       | H   | -----             | 36.6              | 11.5          | -----               | 48.1                | 0.1                    | -----               | 54.0                | -----          | 5.8            |
| 15 901.27       | V   | 51.6              | -----             | 11.5          | 63.1                | -----               | -----                  | 74.0                | -----               | 10.9           | -----          |
| 15 930.20       | V   | -----             | 37.0              | 11.6          | -----               | 48.6                | 0.1                    | -----               | 54.0                | -----          | 5.3            |

Ch.64(5 320 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 640.67       | H   | 49.5              | -----             | 7.2           | 56.7                | -----               | -----                  | 74.0                | -----               | 17.3           | -----          |
| 10 666.66       | H   | -----             | 35.4              | 7.3           | -----               | 42.7                | 0.1                    | -----               | 54.0                | -----          | 11.2           |
| 10 634.59       | V   | 58.1              | -----             | 7.2           | 65.3                | -----               | -----                  | 74.0                | -----               | 8.7            | -----          |
| 10 637.97       | V   | -----             | 37.7              | 7.2           | -----               | 44.9                | 0.1                    | -----               | 54.0                | -----          | 9.0            |
| 15 957.38       | H   | 48.5              | -----             | 11.6          | 60.1                | -----               | -----                  | 74.0                | -----               | 13.9           | -----          |
| 15 945.91       | H   | -----             | 36.3              | 11.6          | -----               | 47.9                | 0.1                    | -----               | 54.0                | -----          | 6.0            |
| 15 964.11       | V   | 50.0              | -----             | 11.6          | 61.6                | -----               | -----                  | 74.0                | -----               | 12.4           | -----          |
| 15 954.88       | V   | -----             | 36.5              | 11.6          | -----               | 48.1                | 0.1                    | -----               | 54.0                | -----          | 5.8            |



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Ch.100(5 500 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 003.82       | H   | 48.1              | -----             | 7.6           | 55.7                | -----               | -----                  | 74.0                | -----               | 18.3           | -----          |
| 10 999.26       | H   | -----             | 36.1              | 7.6           | -----               | 43.7                | 0.1                    | -----               | 54.0                | -----          | 10.2           |
| 11 001.12       | V   | 54.1              | -----             | 7.6           | 61.7                | -----               | -----                  | 74.0                | -----               | 12.3           | -----          |
| 10 998.59       | V   | -----             | 36.5              | 7.6           | -----               | 44.1                | 0.1                    | -----               | 54.0                | -----          | 9.8            |
| 16 477.33       | H   | 48.0              | -----             | 13.1          | 61.1                | -----               | -----                  | 74.0                | -----               | 12.9           | -----          |
| 16 492.54       | H   | -----             | 36.5              | 13.2          | -----               | 49.7                | 0.1                    | -----               | 54.0                | -----          | 4.2            |
| 16 506.25       | V   | 50.0              | -----             | 13.2          | 63.2                | -----               | -----                  | 74.0                | -----               | 10.8           | -----          |
| 16 497.28       | V   | -----             | 36.4              | 13.2          | -----               | 49.6                | 0.1                    | -----               | 54.0                | -----          | 4.3            |

Ch.120(5 600 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 198.89       | H   | 48.0              | -----             | 7.9           | 55.9                | -----               | -----                  | 74.0                | -----               | 18.1           | -----          |
| 11 220.16       | H   | -----             | 35.2              | 7.9           | -----               | 43.1                | 0.1                    | -----               | 54.0                | -----          | 10.8           |
| 11 195.52       | V   | 50.3              | -----             | 7.9           | 58.2                | -----               | -----                  | 74.0                | -----               | 15.8           | -----          |
| 11 203.45       | V   | -----             | 35.4              | 7.9           | -----               | 43.3                | 0.1                    | -----               | 54.0                | -----          | 10.6           |
| 16 797.52       | V   | 48.6              | -----             | 14.3          | 62.9                | -----               | -----                  | 74.0                | -----               | 11.1           | -----          |
| 16 827.20       | V   | -----             | 35.8              | 14.4          | -----               | 50.2                | 0.1                    | -----               | 54.0                | -----          | 3.7            |

Ch.144(5 720 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 447.13       | H   | 46.9              | -----             | 8.5           | 55.4                | -----               | -----                  | 74.0                | -----               | 18.6           | -----          |
| 11 460.46       | H   | -----             | 34.7              | 8.5           | -----               | 43.2                | 0.1                    | -----               | 54.0                | -----          | 10.7           |
| 11 443.08       | V   | 49.6              | -----             | 8.5           | 58.1                | -----               | -----                  | 74.0                | -----               | 15.9           | -----          |
| 11 443.08       | V   | -----             | 35.3              | 8.5           | -----               | 43.8                | 0.1                    | -----               | 54.0                | -----          | 10.1           |

Ch.149(5 745 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 486.78       | H   | 46.3              | -----             | 8.5           | 54.8                | -----               | -----                  | 74.0                | -----               | 19.2           | -----          |
| 11 493.36       | H   | -----             | 35.3              | 8.5           | -----               | 43.8                | 0.1                    | -----               | 54.0                | -----          | 10.1           |
| 11 490.49       | V   | 50.2              | -----             | 8.5           | 58.7                | -----               | -----                  | 74.0                | -----               | 15.3           | -----          |
| 11 491.00       | V   | -----             | 35.8              | 8.5           | -----               | 44.3                | 0.1                    | -----               | 54.0                | -----          | 9.6            |
| 17 237.92       | V   | 49.6              | -----             | 14.0          | 63.6                | -----               | -----                  | 74.0                | -----               | 10.4           | -----          |
| 17 208.99       | V   | -----             | 35.6              | 14.1          | -----               | 49.7                | 0.1                    | -----               | 54.0                | -----          | 4.2            |

Ch.157(5 785 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 579.09       | H   | 46.8              | -----             | 8.5           | 55.3                | -----               | -----                  | 74.0                | -----               | 18.7           | -----          |
| 11 538.92       | H   | -----             | 35.1              | 8.6           | -----               | 43.7                | 0.1                    | -----               | 54.0                | -----          | 10.2           |
| 11 573.69       | V   | 51.8              | -----             | 8.5           | 60.3                | -----               | -----                  | 74.0                | -----               | 13.7           | -----          |
| 11 570.65       | V   | -----             | 35.5              | 8.5           | -----               | 44.0                | 0.1                    | -----               | 54.0                | -----          | 9.9            |
| 17 362.61       | V   | 48.6              | -----             | 13.8          | 62.4                | -----               | -----                  | 74.0                | -----               | 11.6           | -----          |
| 17 355.62       | V   | -----             | 35.5              | 13.8          | -----               | 49.3                | 0.1                    | -----               | 54.0                | -----          | 4.6            |

Ch.165(5 825 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 651.14       | H   | 46.8              | -----             | 8.6           | 55.4                | -----               | -----                  | 74.0                | -----               | 18.6           | -----          |
| 11 658.40       | H   | -----             | 35.5              | 8.6           | -----               | 44.1                | 0.1                    | -----               | 54.0                | -----          | 9.8            |
| 11 648.28       | V   | 51.7              | -----             | 8.5           | 60.2                | -----               | -----                  | 74.0                | -----               | 13.8           | -----          |
| 11 648.28       | V   | -----             | 36.2              | 8.5           | -----               | 44.7                | 0.1                    | -----               | 54.0                | -----          | 9.2            |

**Remarks**

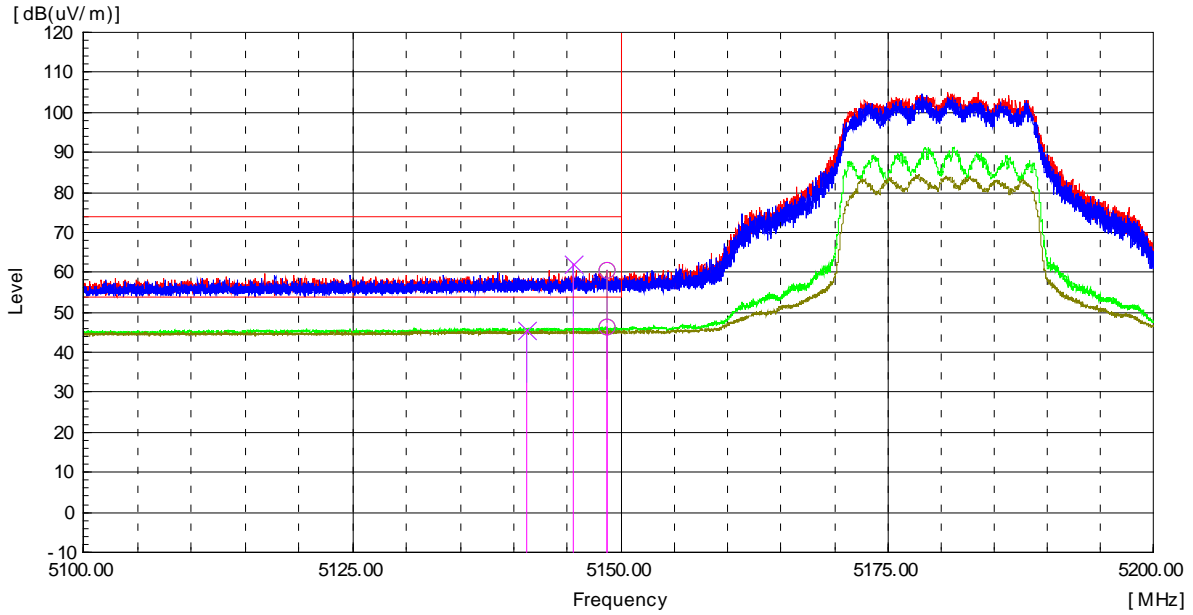
1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(Z axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)  
Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain



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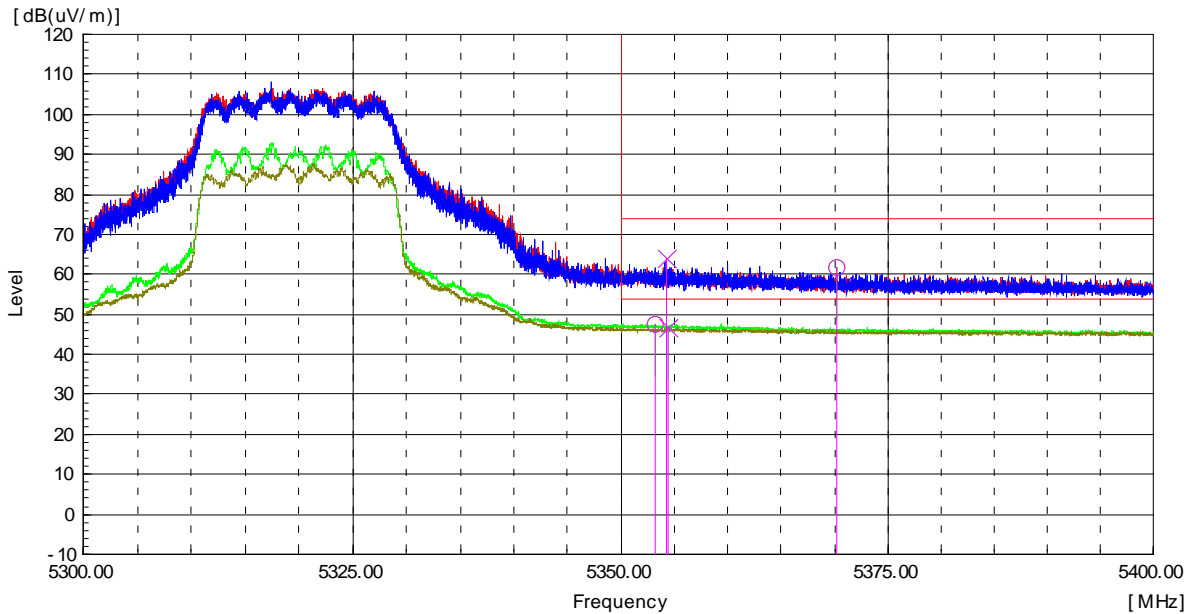
|                            |              |
|----------------------------|--------------|
| Worst Case Mode :          | 802.11n_HT20 |
| Worst Case Transfer Rate : | MCS 0        |
| Distance of Measurements : | 3 Meters     |
| Operating Frequency :      | 5 180 MHz    |
| Channel :                  | 36           |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 148.64        | H   | 59.2              | -----             | 1.4           | 60.6                | -----               | -----                  | 74.0                | -----               | 13.4           | -----          |
| 5 148.65        | H   | -----             | 44.9              | 1.4           | -----               | 46.3                | 0.1                    | -----               | 54.0                | -----          | 7.6            |
| 5 145.53        | V   | 60.8              | -----             | 1.4           | 62.2                | -----               | -----                  | 74.0                | -----               | 11.8           | -----          |
| 5 141.20        | V   | -----             | 44.3              | 1.4           | -----               | 45.7                | 0.1                    | -----               | 54.0                | -----          | 8.2            |

Radiated Restricted Band Edge Plot

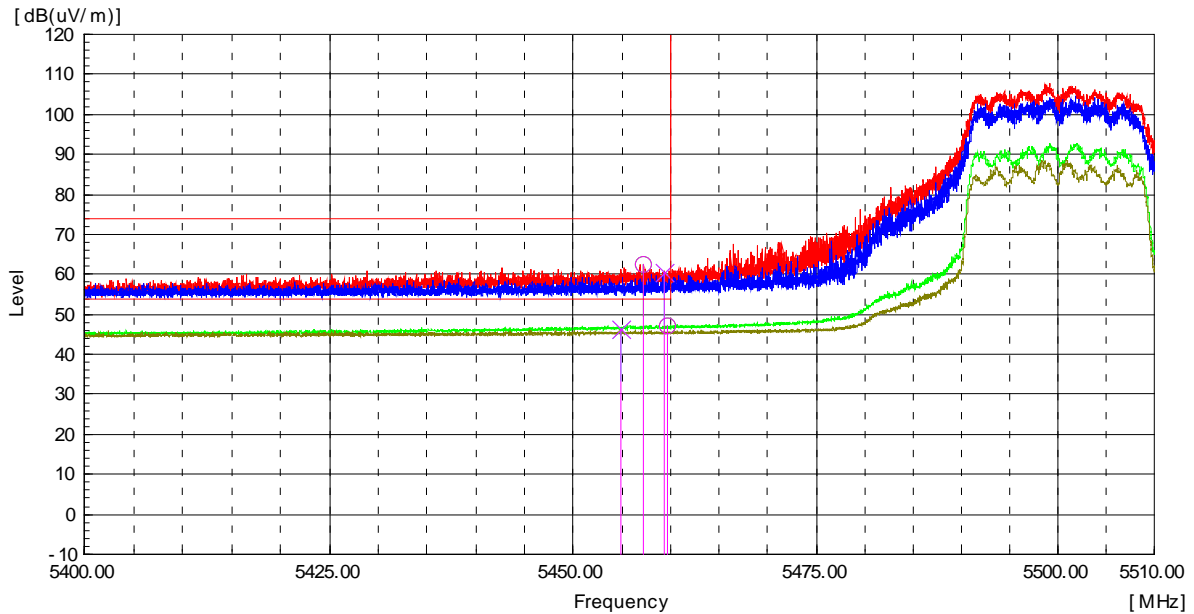
|                            |              |
|----------------------------|--------------|
| Worst Case Mode :          | 802.11n_HT20 |
| Worst Case Transfer Rate : | MCS 0        |
| Distance of Measurements : | 3 Meters     |
| Operating Frequency :      | 5 320 MHz    |
| Channel :                  | 64           |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 370.16        | H   | 59.7              | -----             | 2.1           | 61.8                | -----               | -----                  | 74.0                | -----               | 12.2           | -----          |
| 5 353.20        | H   | -----             | 45.5              | 2.1           | -----               | 47.6                | 0.1                    | -----               | 54.0                | -----          | 6.3            |
| 5 354.25        | V   | 62.1              | -----             | 2.1           | 64.2                | -----               | -----                  | 74.0                | -----               | 9.8            | -----          |
| 5 354.39        | V   | -----             | 44.6              | 2.1           | -----               | 46.7                | 0.1                    | -----               | 54.0                | -----          | 7.2            |

Radiated Restricted Band Edge Plot

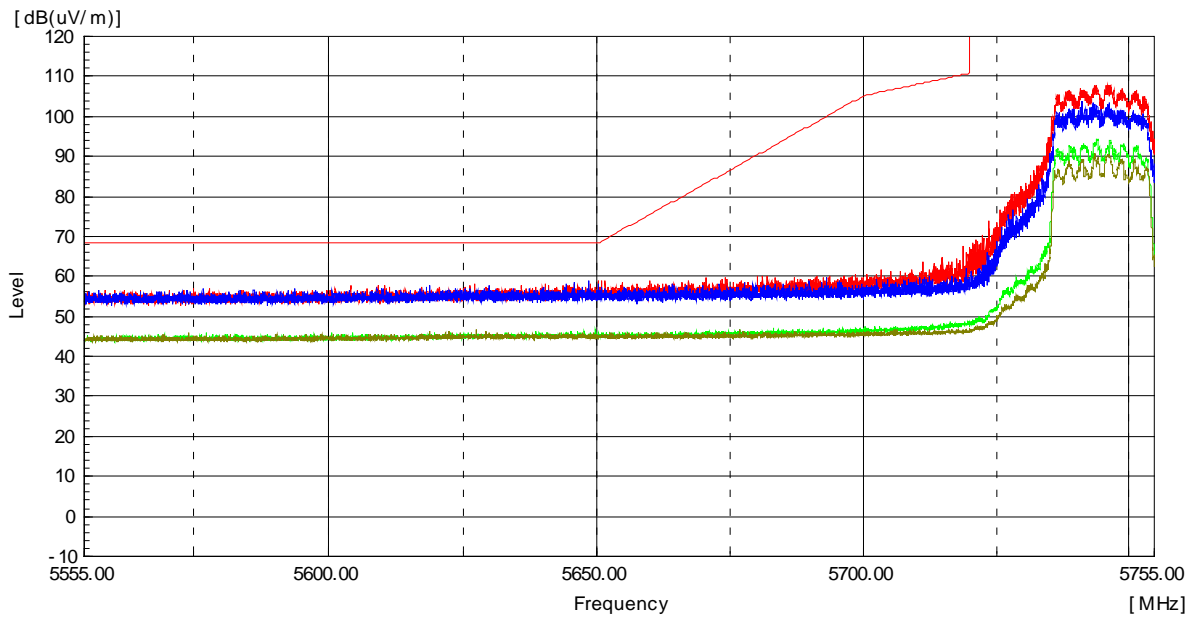
|                            |              |
|----------------------------|--------------|
| Worst Case Mode :          | 802.11n_HT20 |
| Worst Case Transfer Rate : | MCS 0        |
| Distance of Measurements : | 3 Meters     |
| Operating Frequency :      | 5 500 MHz    |
| Channel :                  | 100          |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 457.16        | H   | 60.4              | -----             | 2.0           | 62.4                | -----               | -----                  | 74.0                | -----               | 11.6           | -----          |
| 5 459.65        | H   | -----             | 45.2              | 2.0           | -----               | 47.2                | 0.1                    | -----               | 54.0                | -----          | 6.7            |
| 5 459.40        | V   | 58.4              | -----             | 2.0           | 60.4                | -----               | -----                  | 74.0                | -----               | 13.6           | -----          |
| 5 454.82        | V   | -----             | 44.2              | 2.0           | -----               | 46.2                | 0.1                    | -----               | 54.0                | -----          | 7.7            |

Radiated Restricted Band Edge Plot

|                            |              |
|----------------------------|--------------|
| Worst Case Mode :          | 802.11n_HT20 |
| Worst Case Transfer Rate : | MCS 0        |
| Distance of Measurements : | 3 Meters     |
| Operating Frequency :      | 5 745 MHz    |
| Channel :                  | 149          |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

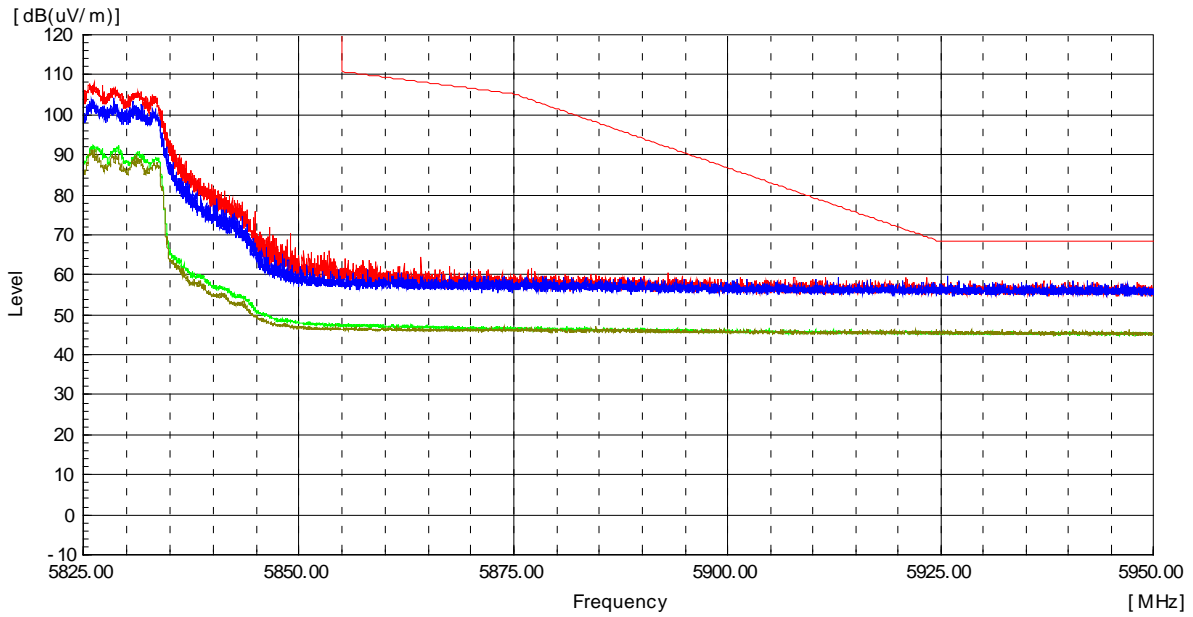
### Radiated Restricted Band Edge Plot



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|                            |              |
|----------------------------|--------------|
| Worst Case Mode :          | 802.11n_HT20 |
| Worst Case Transfer Rate : | MCS 0        |
| Distance of Measurements : | 3 Meters     |
| Operating Frequency :      | 5 825 MHz    |
| Channel :                  | 165          |



| Frequency [MHz] | Reading (P) PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-----------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot





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**Test mode : Transmitter, 802.11ac\_VHT20**

The requirements are:

Complies

**Test Data**

**Ch.36(5 180 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 361.39       | H   | 46.7              | -----             | 6.7           | 53.4                | -----               | -----                  | 74.0                | -----               | 20.6           | -----          |
| 10 361.05       | H   | -----             | 36.0              | 6.7           | -----               | 42.7                | 0.3                    | -----               | 54.0                | -----          | 11.0           |
| 10 358.86       | V   | 50.3              | -----             | 6.7           | 57.0                | -----               | -----                  | 74.0                | -----               | 17.0           | -----          |
| 10 358.35       | V   | -----             | 35.1              | 6.7           | -----               | 41.8                | 0.3                    | -----               | 54.0                | -----          | 11.9           |

**Ch.40(5 200 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 397.16       | H   | 46.9              | -----             | 6.7           | 53.6                | -----               | -----                  | 74.0                | -----               | 20.4           | -----          |
| 10 396.83       | H   | -----             | 35.4              | 6.7           | -----               | 42.1                | 0.3                    | -----               | 54.0                | -----          | 11.6           |
| 10 400.03       | V   | 51.0              | -----             | 6.7           | 57.7                | -----               | -----                  | 74.0                | -----               | 16.3           | -----          |
| 10 398.68       | V   | -----             | 35.2              | 6.7           | -----               | 41.9                | 0.3                    | -----               | 54.0                | -----          | 11.8           |

**Ch.48(5 240 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 465.51       | H   | 46.7              | -----             | 6.9           | 53.6                | -----               | -----                  | 74.0                | -----               | 20.4           | -----          |
| 10 481.88       | H   | -----             | 35.6              | 6.9           | -----               | 42.5                | 0.3                    | -----               | 54.0                | -----          | 11.2           |
| 10 481.71       | V   | 52.1              | -----             | 6.9           | 59.0                | -----               | -----                  | 74.0                | -----               | 15.0           | -----          |
| 10 478.84       | V   | -----             | 35.5              | 6.9           | -----               | 42.4                | 0.3                    | -----               | 54.0                | -----          | 11.3           |

Ch.52(5 260 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 513.94       | H   | 47.7              | -----             | 7.0           | 54.7                | -----               | -----                  | 74.0                | -----               | 19.3           | -----          |
| 10 515.46       | H   | -----             | 35.8              | 7.0           | -----               | 42.8                | 0.3                    | -----               | 54.0                | -----          | 10.9           |
| 10 519.17       | V   | 55.8              | -----             | 7.0           | 62.8                | -----               | -----                  | 74.0                | -----               | 11.2           | -----          |
| 10 518.83       | V   | -----             | 36.7              | 7.0           | -----               | 43.7                | 0.3                    | -----               | 54.0                | -----          | 10.0           |
| 15 785.56       | H   | 48.2              | -----             | 11.2          | 59.4                | -----               | -----                  | 74.0                | -----               | 14.6           | -----          |
| 15 783.81       | H   | -----             | 36.4              | 11.2          | -----               | 47.6                | 0.3                    | -----               | 54.0                | -----          | 6.1            |
| 15 778.58       | V   | 49.2              | -----             | 11.2          | 60.4                | -----               | -----                  | 74.0                | -----               | 13.6           | -----          |
| 15 781.32       | V   | -----             | 36.5              | 11.2          | -----               | 47.7                | 0.3                    | -----               | 54.0                | -----          | 6.0            |

Ch.60(5 300 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 602.53       | H   | 49.0              | -----             | 7.2           | 56.2                | -----               | -----                  | 74.0                | -----               | 17.8           | -----          |
| 10 600.17       | H   | -----             | 35.6              | 7.2           | -----               | 42.8                | 0.3                    | -----               | 54.0                | -----          | 10.9           |
| 10 596.12       | V   | 54.9              | -----             | 7.2           | 62.1                | -----               | -----                  | 74.0                | -----               | 11.9           | -----          |
| 10 598.31       | V   | -----             | 36.8              | 7.2           | -----               | 44.0                | 0.3                    | -----               | 54.0                | -----          | 9.7            |
| 15 878.83       | H   | 47.5              | -----             | 11.5          | 59.0                | -----               | -----                  | 74.0                | -----               | 15.0           | -----          |
| 15 882.07       | H   | -----             | 36.4              | 11.5          | -----               | 47.9                | 0.3                    | -----               | 54.0                | -----          | 5.8            |
| 15 896.28       | V   | 49.6              | -----             | 11.5          | 61.1                | -----               | -----                  | 74.0                | -----               | 12.9           | -----          |
| 15 919.72       | V   | -----             | 36.3              | 11.6          | -----               | 47.9                | 0.3                    | -----               | 54.0                | -----          | 5.8            |

Ch.64(5 320 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 637.46       | H   | 49.7              | -----             | 7.2           | 56.9                | -----               | -----                  | 74.0                | -----               | 17.1           | -----          |
| 10 639.99       | H   | -----             | 35.5              | 7.2           | -----               | 42.7                | 0.3                    | -----               | 54.0                | -----          | 11.0           |
| 10 640.50       | V   | 57.1              | -----             | 7.2           | 64.3                | -----               | -----                  | 74.0                | -----               | 9.7            | -----          |
| 10 639.32       | V   | -----             | 37.2              | 7.2           | -----               | 44.4                | 0.3                    | -----               | 54.0                | -----          | 9.3            |
| 15 965.11       | V   | 49.7              | -----             | 11.6          | 61.3                | -----               | -----                  | 74.0                | -----               | 12.7           | -----          |
| 15 956.63       | V   | -----             | 36.7              | 11.6          | -----               | 48.3                | 0.3                    | -----               | 54.0                | -----          | 5.4            |

Ch.100(5 500 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 004.33       | H   | 48.3              | -----             | 7.6           | 55.9                | -----               | -----                  | 74.0                | -----               | 18.1           | -----          |
| 10 995.72       | H   | -----             | 35.5              | 7.6           | -----               | 43.1                | 0.3                    | -----               | 54.0                | -----          | 10.6           |
| 10 999.26       | V   | 53.8              | -----             | 7.6           | 61.4                | -----               | -----                  | 74.0                | -----               | 12.6           | -----          |
| 10 999.09       | V   | -----             | 36.2              | 7.6           | -----               | 43.8                | 0.3                    | -----               | 54.0                | -----          | 9.9            |

Ch.120(5 600 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 205.14       | H   | 47.5              | -----             | 7.9           | 55.4                | -----               | -----                  | 74.0                | -----               | 18.6           | -----          |
| 11 178.64       | H   | -----             | 35.7              | 7.9           | -----               | 43.6                | 0.3                    | -----               | 54.0                | -----          | 10.1           |
| 11 202.61       | V   | 50.5              | -----             | 7.9           | 58.4                | -----               | -----                  | 74.0                | -----               | 15.6           | -----          |
| 11 205.98       | V   | -----             | 35.9              | 7.9           | -----               | 43.8                | 0.3                    | -----               | 54.0                | -----          | 9.9            |

Ch.144(5 720 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 440.38       | H   | 47.2              | -----             | 8.5           | 55.7                | -----               | -----                  | 74.0                | -----               | 18.3           | -----          |
| 11 469.91       | H   | -----             | 35.3              | 8.5           | -----               | 43.8                | 0.3                    | -----               | 54.0                | -----          | 9.9            |
| 11 436.16       | V   | 50.5              | -----             | 8.5           | 59.0                | -----               | -----                  | 74.0                | -----               | 15.0           | -----          |
| 11 437.34       | V   | -----             | 35.2              | 8.5           | -----               | 43.7                | 0.3                    | -----               | 54.0                | -----          | 10.0           |

Ch.149(5 745 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 487.46       | H   | 45.9              | -----             | 8.5           | 54.4                | -----               | -----                  | 74.0                | -----               | 19.6           | -----          |
| 11 483.91       | H   | -----             | 35.0              | 8.5           | -----               | 43.5                | 0.3                    | -----               | 54.0                | -----          | 10.2           |
| 11 491.51       | V   | 49.7              | -----             | 8.5           | 58.2                | -----               | -----                  | 74.0                | -----               | 15.8           | -----          |
| 11 491.51       | V   | -----             | 35.3              | 8.5           | -----               | 43.8                | 0.3                    | -----               | 54.0                | -----          | 9.9            |
| 17 252.13       | H   | 45.5              | -----             | 14.0          | 59.5                | -----               | -----                  | 74.0                | -----               | 14.5           | -----          |
| 17 199.52       | H   | -----             | 34.4              | 14.1          | -----               | 48.5                | 0.3                    | -----               | 54.0                | -----          | 5.2            |
| 17 231.44       | V   | 48.0              | -----             | 14.0          | 62.0                | -----               | -----                  | 74.0                | -----               | 12.0           | -----          |
| 17 217.97       | V   | -----             | 34.6              | 14.1          | -----               | 48.7                | 0.3                    | -----               | 54.0                | -----          | 5.0            |

Ch.157(5 785 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 561.54       | H   | 45.4              | -----             | 8.5           | 53.9                | -----               | -----                  | 74.0                | -----               | 20.1           | -----          |
| 11 559.85       | H   | -----             | 34.4              | 8.5           | -----               | 42.9                | 0.3                    | -----               | 54.0                | -----          | 10.8           |
| 11 566.43       | V   | 48.5              | -----             | 8.5           | 57.0                | -----               | -----                  | 74.0                | -----               | 17.0           | -----          |
| 11 570.48       | V   | -----             | 34.3              | 8.5           | -----               | 42.8                | 0.3                    | -----               | 54.0                | -----          | 10.9           |
| 17 340.91       | H   | 46.3              | -----             | 13.8          | 60.1                | -----               | -----                  | 74.0                | -----               | 13.9           | -----          |
| 17 321.71       | H   | -----             | 35.3              | 13.7          | -----               | 49.0                | 0.3                    | -----               | 54.0                | -----          | 4.7            |
| 17 355.13       | V   | 48.0              | -----             | 13.8          | 61.8                | -----               | -----                  | 74.0                | -----               | 12.2           | -----          |
| 17 324.20       | V   | -----             | 34.8              | 13.7          | -----               | 48.5                | 0.3                    | -----               | 54.0                | -----          | 5.2            |

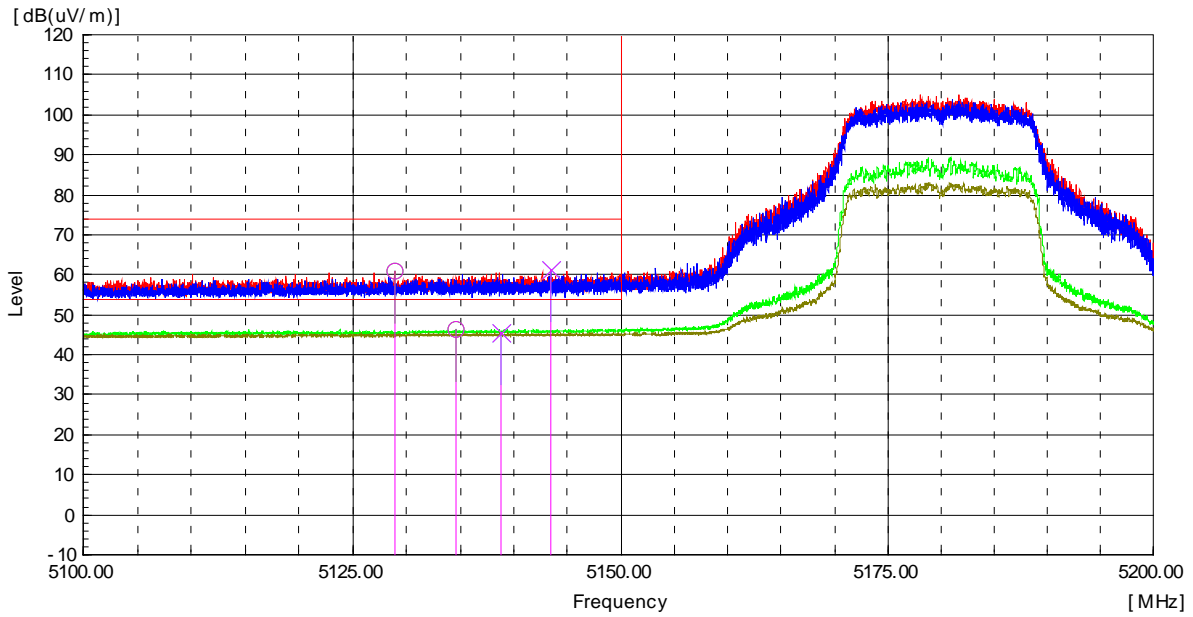
Ch.165(5 825 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 652.66       | H   | 46.8              | -----             | 8.6           | 55.4                | -----               | -----                  | 74.0                | -----               | 18.6           | -----          |
| 11 663.97       | H   | -----             | 35.0              | 8.6           | -----               | 43.6                | 0.3                    | -----               | 54.0                | -----          | 10.1           |
| 11 651.48       | V   | 49.8              | -----             | 8.6           | 58.4                | -----               | -----                  | 74.0                | -----               | 15.6           | -----          |
| 11 648.95       | V   | -----             | 35.2              | 8.6           | -----               | 43.8                | 0.3                    | -----               | 54.0                | -----          | 9.9            |
| 17 471.33       | H   | 45.2              | -----             | 13.5          | 58.7                | -----               | -----                  | 74.0                | -----               | 15.3           | -----          |
| 17 469.34       | H   | -----             | 34.1              | 13.5          | -----               | 47.6                | 0.3                    | -----               | 54.0                | -----          | 6.1            |
| 17 473.33       | V   | 46.7              | -----             | 13.5          | 60.2                | -----               | -----                  | 74.0                | -----               | 13.8           | -----          |
| 17 470.84       | V   | -----             | 34.0              | 13.5          | -----               | 47.5                | 0.3                    | -----               | 54.0                | -----          | 6.2            |

**Remarks**

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(Z axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)  
Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

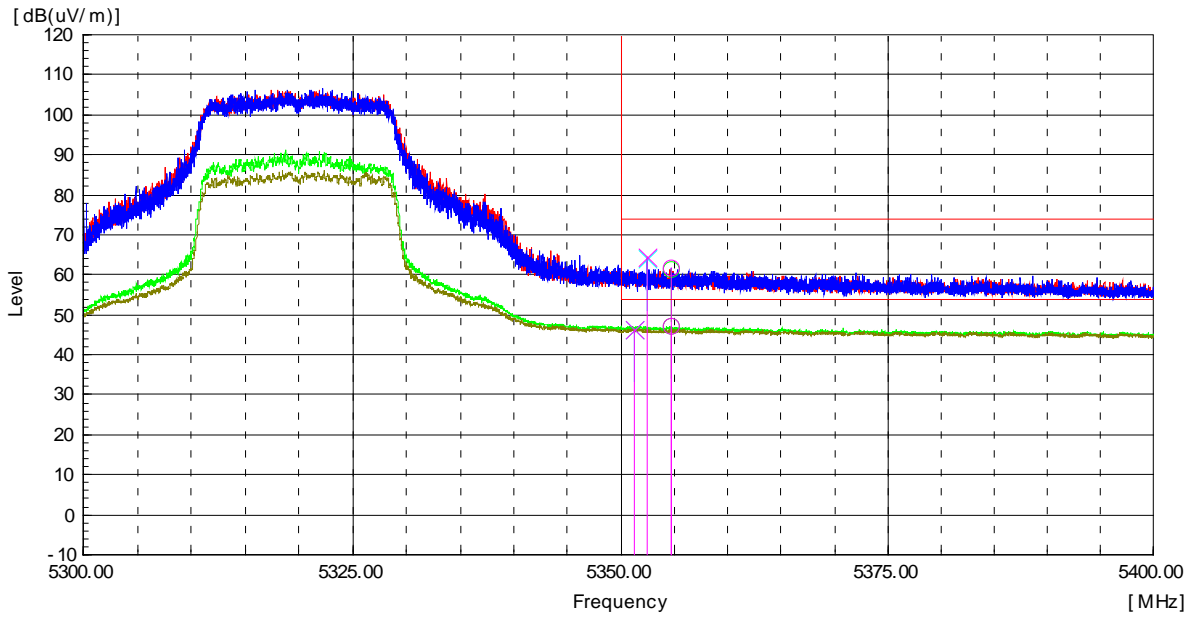
|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT20 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 180 MHz      |
| Channel :                  | 36             |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 128.86        | H   | 59.7              | -----             | 1.3           | 61.0                | -----               | -----                  | 74.0                | -----               | 13.0           | -----          |
| 5 134.59        | H   | -----             | 45.1              | 1.4           | -----               | 46.5                | 0.3                    | -----               | 54.0                | -----          | 7.2            |
| 5 143.40        | V   | 59.8              | -----             | 1.4           | 61.2                | -----               | -----                  | 74.0                | -----               | 12.8           | -----          |
| 5 138.88        | V   | -----             | 44.3              | 1.4           | -----               | 45.7                | 0.3                    | -----               | 54.0                | -----          | 8.0            |

Radiated Restricted Band Edge Plot

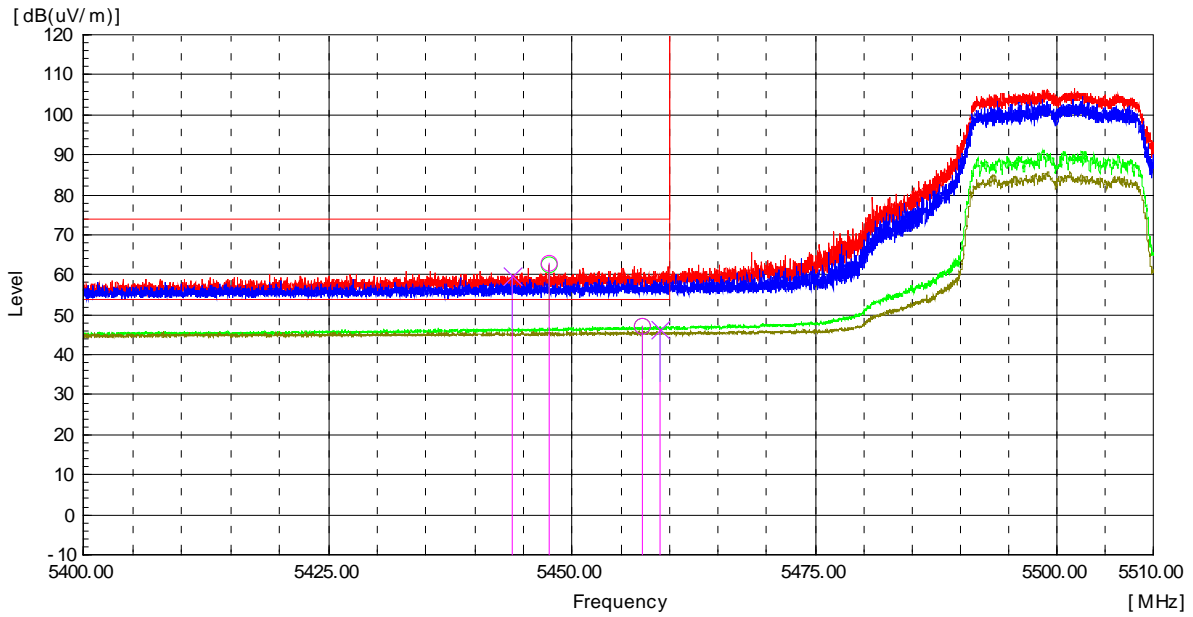
|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT20 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 320 MHz      |
| Channel :                  | 64             |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 354.65        | H   | 59.4              | -----             | 2.1           | 61.5                | -----               | -----                  | 74.0                | -----               | 12.5           | -----          |
| 5 354.78        | H   | -----             | 45.1              | 2.1           | -----               | 47.2                | 0.3                    | -----               | 54.0                | -----          | 6.5            |
| 5 352.53        | V   | 62.2              | -----             | 2.1           | 64.3                | -----               | -----                  | 74.0                | -----               | 9.7            | -----          |
| 5 351.28        | V   | -----             | 44.4              | 2.1           | -----               | 46.5                | 0.3                    | -----               | 54.0                | -----          | 7.2            |

Radiated Restricted Band Edge Plot

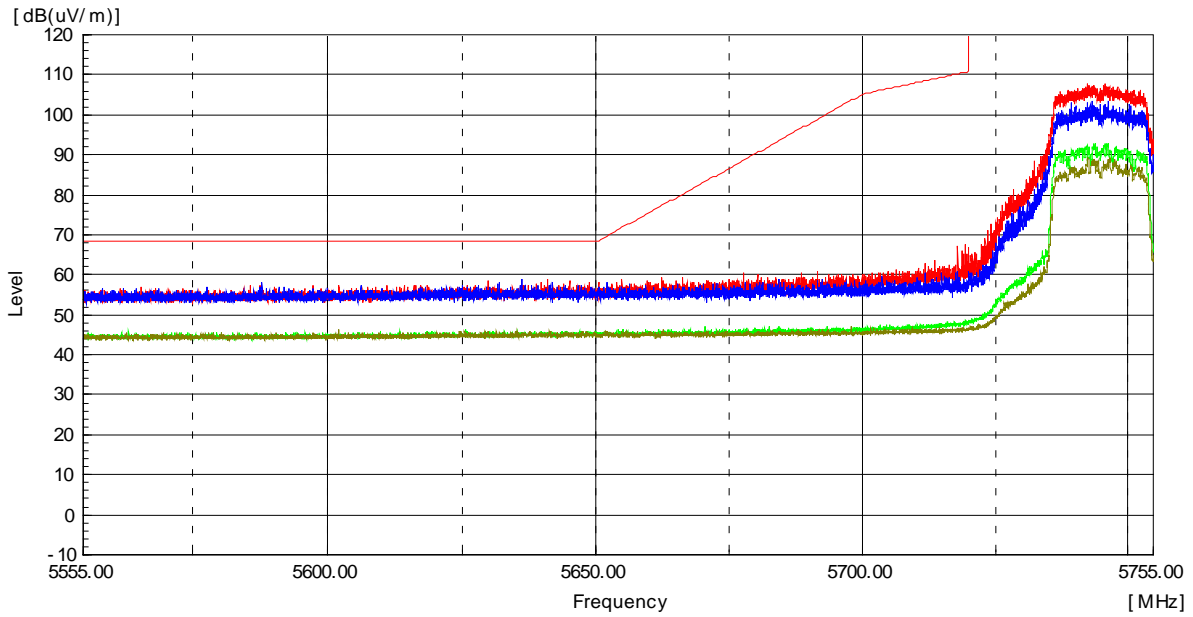
|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT20 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 500 MHz      |
| Channel :                  | 100            |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 447.55        | H   | 60.7              | -----             | 2.0           | 62.7                | -----               | -----                  | 74.0                | -----               | 11.3           | -----          |
| 5 457.19        | H   | -----             | 45.1              | 2.0           | -----               | 47.1                | 0.3                    | -----               | 54.0                | -----          | 6.6            |
| 5 443.85        | V   | 57.6              | -----             | 2.0           | 59.6                | -----               | -----                  | 74.0                | -----               | 14.4           | -----          |
| 5 459.02        | V   | -----             | 44.2              | 2.0           | -----               | 46.2                | 0.3                    | -----               | 54.0                | -----          | 7.5            |

Radiated Restricted Band Edge Plot

|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT20 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 745 MHz      |
| Channel :                  | 149            |



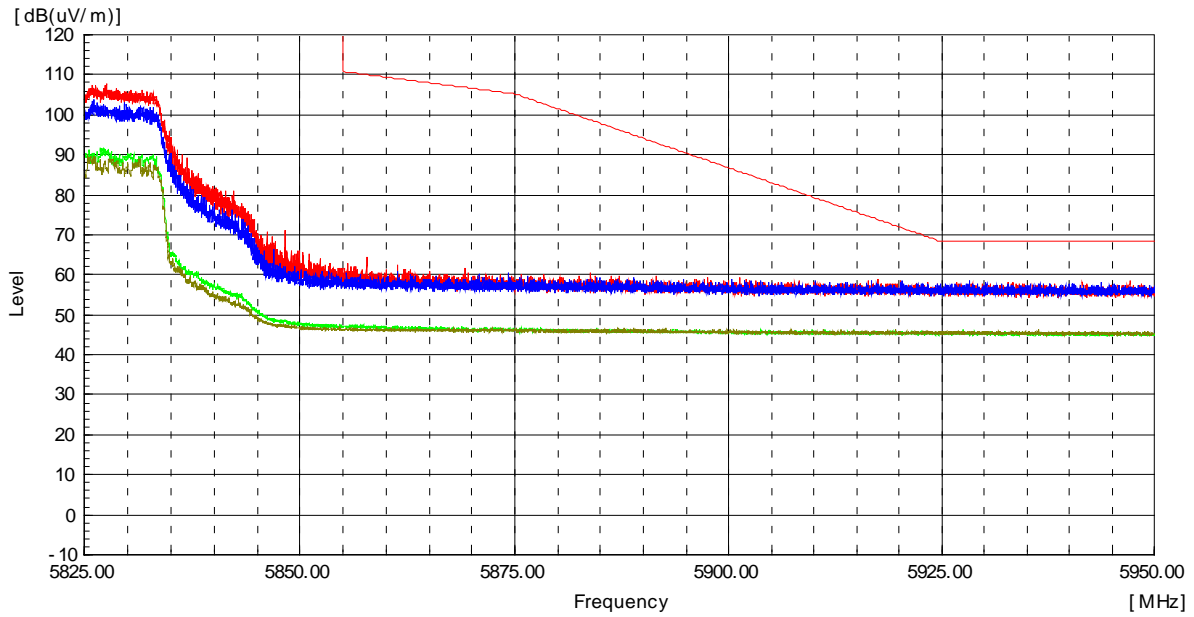
| Frequency [MHz] | Reading (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot



|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT20 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 825 MHz      |
| Channel :                  | 165            |



| Frequency<br>[MHz] | Reading<br>PK<br>[dBuV]<br>(P) | Reading<br>AV<br>[dBuV] | c.f<br>[dB(1/m)] | Level PK<br>[dB(uV/m)] | Level AV<br>[dB(uV/m)] | Duty<br>Cycle<br>Factor<br>[dB] | Limit PK<br>[dB(uV/m)] | Limit AV<br>[dB(uV/m)] | Margin<br>PK<br>[dB] | Margin<br>AV<br>[dB] |
|--------------------|--------------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|
|--------------------|--------------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot



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Report No.:  
 CTK-2021-03422  
 Page (296) / (373) Pages

**Test mode : Transmitter, 802.11ax\_HE20\_SU**

The requirements are:

Complies

**Test Data**

**Ch.36(5 180 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 340.46       | H   | 46.7              | -----             | 6.6           | 53.3                | -----               | -----                  | 74.0                | -----               | 20.7           | -----          |
| 10 364.76       | H   | -----             | 35.8              | 6.7           | -----               | 42.5                | 0.3                    | -----               | 54.0                | -----          | 11.2           |
| 10 363.24       | V   | 49.4              | -----             | 6.7           | 56.1                | -----               | -----                  | 74.0                | -----               | 17.9           | -----          |
| 10 364.09       | V   | -----             | 35.2              | 6.7           | -----               | 41.9                | 0.3                    | -----               | 54.0                | -----          | 11.8           |

**Ch.40(5 200 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 417.58       | H   | 46.4              | -----             | 6.8           | 53.2                | -----               | -----                  | 74.0                | -----               | 20.8           | -----          |
| 10 395.47       | H   | -----             | 35.7              | 6.7           | -----               | 42.4                | 0.3                    | -----               | 54.0                | -----          | 11.3           |
| 10 400.54       | V   | 50.9              | -----             | 6.7           | 57.6                | -----               | -----                  | 74.0                | -----               | 16.4           | -----          |
| 10 391.76       | V   | -----             | 35.3              | 6.7           | -----               | 42.0                | 0.3                    | -----               | 54.0                | -----          | 11.7           |

**Ch.48(5 240 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 480.36       | H   | 46.7              | -----             | 6.9           | 53.6                | -----               | -----                  | 74.0                | -----               | 20.4           | -----          |
| 10 442.89       | H   | -----             | 35.5              | 6.9           | -----               | 42.4                | 0.3                    | -----               | 54.0                | -----          | 11.3           |
| 10 482.38       | V   | 51.4              | -----             | 6.9           | 58.3                | -----               | -----                  | 74.0                | -----               | 15.7           | -----          |
| 10 477.15       | V   | -----             | 35.7              | 6.9           | -----               | 42.6                | 0.3                    | -----               | 54.0                | -----          | 11.1           |

Ch.52(5 260 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 510.90       | H   | 47.7              | -----             | 7.0           | 54.7                | -----               | -----                  | 74.0                | -----               | 19.3           | -----          |
| 10 528.62       | H   | -----             | 35.4              | 7.0           | -----               | 42.4                | 0.3                    | -----               | 54.0                | -----          | 11.3           |
| 10 522.38       | V   | 54.7              | -----             | 7.0           | 61.7                | -----               | -----                  | 74.0                | -----               | 12.3           | -----          |
| 10 521.36       | V   | -----             | 36.5              | 7.0           | -----               | 43.5                | 0.3                    | -----               | 54.0                | -----          | 10.2           |
| 15 750.40       | H   | 47.7              | -----             | 11.2          | 58.9                | -----               | -----                  | 74.0                | -----               | 15.1           | -----          |
| 15 808.75       | H   | -----             | 37.3              | 11.2          | -----               | 48.5                | 0.3                    | -----               | 54.0                | -----          | 5.2            |
| 15 787.30       | V   | 49.4              | -----             | 11.2          | 60.6                | -----               | -----                  | 74.0                | -----               | 13.4           | -----          |
| 15 816.98       | V   | -----             | 37.0              | 11.2          | -----               | 48.2                | 0.3                    | -----               | 54.0                | -----          | 5.5            |

Ch.60(5 300 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 599.66       | H   | 47.8              | -----             | 7.2           | 55.0                | -----               | -----                  | 74.0                | -----               | 19.0           | -----          |
| 10 629.19       | H   | -----             | 35.3              | 7.2           | -----               | 42.5                | 0.3                    | -----               | 54.0                | -----          | 11.2           |
| 10 602.87       | V   | 55.0              | -----             | 7.2           | 62.2                | -----               | -----                  | 74.0                | -----               | 11.8           | -----          |
| 10 600.67       | V   | -----             | 36.9              | 7.2           | -----               | 44.1                | 0.3                    | -----               | 54.0                | -----          | 9.6            |
| 15 871.84       | H   | 48.2              | -----             | 11.4          | 59.6                | -----               | -----                  | 74.0                | -----               | 14.4           | -----          |
| 15 836.68       | H   | -----             | 37.0              | 11.3          | -----               | 48.3                | 0.3                    | -----               | 54.0                | -----          | 5.4            |
| 15 896.03       | V   | 49.3              | -----             | 11.5          | 60.8                | -----               | -----                  | 74.0                | -----               | 13.2           | -----          |
| 15 905.01       | V   | -----             | 36.8              | 11.5          | -----               | 48.3                | 0.3                    | -----               | 54.0                | -----          | 5.4            |

Ch.64(5 320 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 632.91       | H   | 48.4              | -----             | 7.2           | 55.6                | -----               | -----                  | 74.0                | -----               | 18.4           | -----          |
| 10 638.31       | H   | -----             | 35.4              | 7.2           | -----               | 42.6                | 0.3                    | -----               | 54.0                | -----          | 11.1           |
| 10 641.17       | V   | 57.2              | -----             | 7.2           | 64.4                | -----               | -----                  | 74.0                | -----               | 9.6            | -----          |
| 10 641.51       | V   | -----             | 37.6              | 7.2           | -----               | 44.8                | 0.3                    | -----               | 54.0                | -----          | 8.9            |
| 15 955.63       | H   | 48.5              | -----             | 11.6          | 60.1                | -----               | -----                  | 74.0                | -----               | 13.9           | -----          |
| 16 006.26       | H   | -----             | 36.2              | 11.7          | -----               | 47.9                | 0.3                    | -----               | 54.0                | -----          | 5.8            |
| 15 959.87       | V   | 49.2              | -----             | 11.6          | 60.8                | -----               | -----                  | 74.0                | -----               | 13.2           | -----          |
| 16 008.25       | V   | -----             | 36.8              | 11.7          | -----               | 48.5                | 0.3                    | -----               | 54.0                | -----          | 5.2            |



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Ch.100(5 500 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 002.30       | H   | 47.0              | -----             | 7.6           | 54.6                | -----               | -----                  | 74.0                | -----               | 19.4           | -----          |
| 11 030.99       | H   | -----             | 35.3              | 7.8           | -----               | 43.1                | 0.3                    | -----               | 54.0                | -----          | 10.6           |
| 11 001.46       | V   | 52.9              | -----             | 7.6           | 60.5                | -----               | -----                  | 74.0                | -----               | 13.5           | -----          |
| 10 998.59       | V   | -----             | 36.4              | 7.6           | -----               | 44.0                | 0.3                    | -----               | 54.0                | -----          | 9.7            |
| 16 519.47       | H   | 46.7              | -----             | 13.3          | 60.0                | -----               | -----                  | 74.0                | -----               | 14.0           | -----          |
| 16 484.56       | H   | -----             | 35.9              | 13.1          | -----               | 49.0                | 0.3                    | -----               | 54.0                | -----          | 4.7            |
| 16 498.02       | V   | 48.2              | -----             | 13.2          | 61.4                | -----               | -----                  | 74.0                | -----               | 12.6           | -----          |
| 16 470.09       | V   | -----             | 36.4              | 13.0          | -----               | 49.4                | 0.3                    | -----               | 54.0                | -----          | 4.3            |

Ch.120(5 600 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 213.41       | H   | 47.1              | -----             | 7.9           | 55.0                | -----               | -----                  | 74.0                | -----               | 19.0           | -----          |
| 11 230.28       | H   | -----             | 35.4              | 8.0           | -----               | 43.4                | 0.3                    | -----               | 54.0                | -----          | 10.3           |
| 11 197.04       | V   | 49.6              | -----             | 7.9           | 57.5                | -----               | -----                  | 74.0                | -----               | 16.5           | -----          |
| 11 214.76       | V   | -----             | 35.4              | 7.9           | -----               | 43.3                | 0.3                    | -----               | 54.0                | -----          | 10.4           |

Ch.144(5 720 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 439.70       | H   | 46.0              | -----             | 8.5           | 54.5                | -----               | -----                  | 74.0                | -----               | 19.5           | -----          |
| 11 472.27       | H   | -----             | 34.9              | 8.5           | -----               | 43.4                | 0.3                    | -----               | 54.0                | -----          | 10.3           |
| 11 444.26       | V   | 48.5              | -----             | 8.5           | 57.0                | -----               | -----                  | 74.0                | -----               | 17.0           | -----          |
| 11 483.41       | V   | -----             | 34.9              | 8.5           | -----               | 43.4                | 0.3                    | -----               | 54.0                | -----          | 10.3           |
| 17 171.34       | H   | 45.1              | -----             | 14.1          | 59.2                | -----               | -----                  | 74.0                | -----               | 14.8           | -----          |
| 17 209.24       | H   | -----             | 34.4              | 14.1          | -----               | 48.5                | 0.3                    | -----               | 54.0                | -----          | 5.2            |
| 17 165.85       | V   | 47.0              | -----             | 14.1          | 61.1                | -----               | -----                  | 74.0                | -----               | 12.9           | -----          |
| 17 213.23       | V   | -----             | 34.2              | 14.1          | -----               | 48.3                | 0.3                    | -----               | 54.0                | -----          | 5.4            |



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Ch.149(5 745 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 522.05       | H   | 45.6              | -----             | 8.6           | 54.2                | -----               | -----                  | 74.0                | -----               | 19.8           | -----          |
| 11 478.85       | H   | -----             | 34.6              | 8.5           | -----               | 43.1                | 0.3                    | -----               | 54.0                | -----          | 10.6           |
| 11 489.82       | V   | 49.2              | -----             | 8.5           | 57.7                | -----               | -----                  | 74.0                | -----               | 16.3           | -----          |
| 11 489.14       | V   | -----             | 34.7              | 8.5           | -----               | 43.2                | 0.3                    | -----               | 54.0                | -----          | 10.5           |
| 17 233.43       | H   | 45.7              | -----             | 14.0          | 59.7                | -----               | -----                  | 74.0                | -----               | 14.3           | -----          |
| 17 200.51       | H   | -----             | 34.3              | 14.1          | -----               | 48.4                | 0.3                    | -----               | 54.0                | -----          | 5.3            |
| 17 232.43       | V   | 47.7              | -----             | 14.0          | 61.7                | -----               | -----                  | 74.0                | -----               | 12.3           | -----          |
| 17 222.21       | V   | -----             | 34.1              | 14.1          | -----               | 48.2                | 0.3                    | -----               | 54.0                | -----          | 5.5            |

Ch.157(5 785 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 597.99       | H   | 45.3              | -----             | 8.5           | 53.8                | -----               | -----                  | 74.0                | -----               | 20.2           | -----          |
| 11 530.15       | H   | -----             | 34.2              | 8.6           | -----               | 42.8                | 0.3                    | -----               | 54.0                | -----          | 10.9           |
| 11 563.73       | V   | 48.1              | -----             | 8.5           | 56.6                | -----               | -----                  | 74.0                | -----               | 17.4           | -----          |
| 11 517.49       | V   | -----             | 34.7              | 8.5           | -----               | 43.2                | 0.3                    | -----               | 54.0                | -----          | 10.5           |
| 17 334.18       | H   | 45.8              | -----             | 13.7          | 59.5                | -----               | -----                  | 74.0                | -----               | 14.5           | -----          |
| 17 330.44       | H   | -----             | 34.7              | 13.7          | -----               | 48.4                | 0.3                    | -----               | 54.0                | -----          | 5.3            |
| 17 348.64       | V   | 47.3              | -----             | 13.8          | 61.1                | -----               | -----                  | 74.0                | -----               | 12.9           | -----          |
| 17 343.16       | V   | -----             | 34.3              | 13.8          | -----               | 48.1                | 0.3                    | -----               | 54.0                | -----          | 5.6            |



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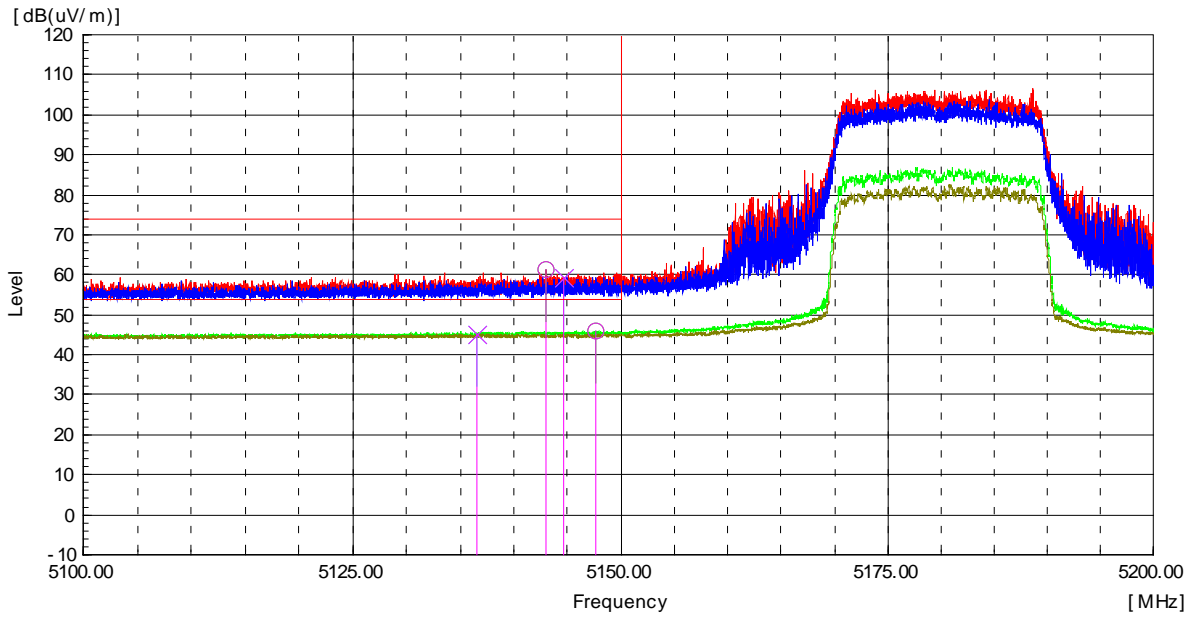
Ch.165(5 825 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 649.96       | H   | 46.0              | -----             | 8.6           | 54.6                | -----               | -----                  | 74.0                | -----               | 19.4           | -----          |
| 11 654.35       | H   | -----             | 35.1              | 8.6           | -----               | 43.7                | 0.3                    | -----               | 54.0                | -----          | 10.0           |
| 11 644.73       | V   | 50.2              | -----             | 8.5           | 58.7                | -----               | -----                  | 74.0                | -----               | 15.3           | -----          |
| 11 650.64       | V   | -----             | 35.0              | 8.6           | -----               | 43.6                | 0.3                    | -----               | 54.0                | -----          | 10.1           |
| 17 474.33       | H   | 45.5              | -----             | 13.5          | 59.0                | -----               | -----                  | 74.0                | -----               | 15.0           | -----          |
| 17 465.35       | H   | -----             | 33.5              | 13.6          | -----               | 47.1                | 0.3                    | -----               | 54.0                | -----          | 6.6            |
| 17 474.58       | V   | 45.5              | -----             | 13.5          | 59.0                | -----               | -----                  | 74.0                | -----               | 15.0           | -----          |
| 17 466.10       | V   | -----             | 33.5              | 13.6          | -----               | 47.1                | 0.3                    | -----               | 54.0                | -----          | 6.6            |

**Remarks**

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in stand-up position(Z axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)  
 Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

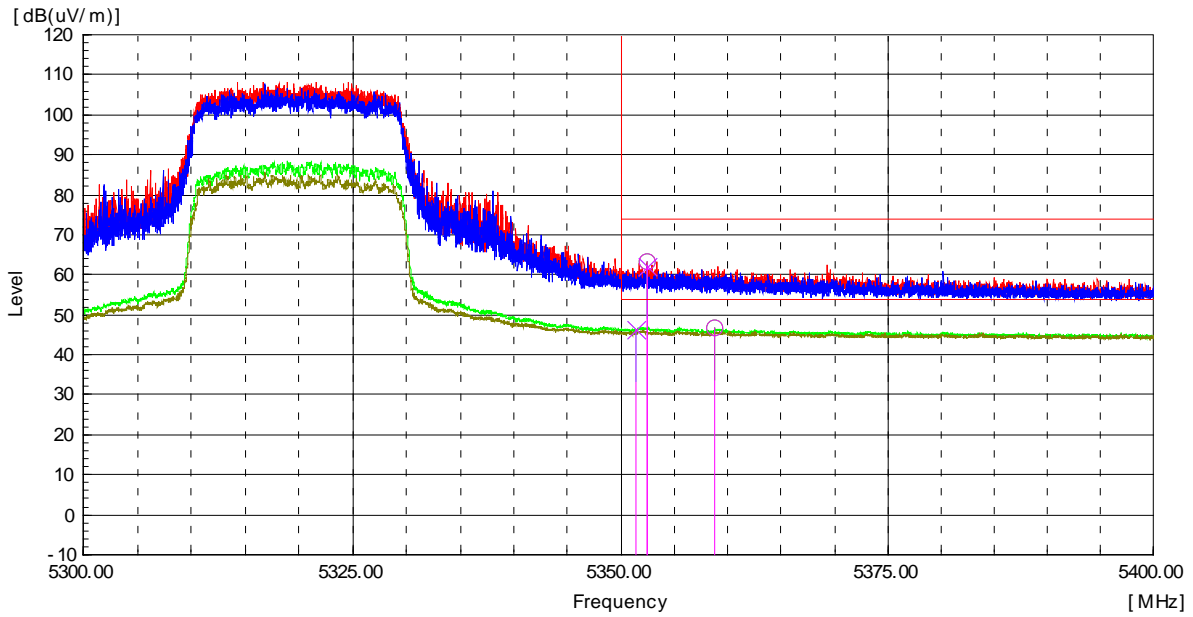
|                            |                  |
|----------------------------|------------------|
| Worst Case Mode :          | 802.11ax_HE20_SU |
| Worst Case Transfer Rate : | MCS 0            |
| Distance of Measurements : | 3 Meters         |
| Operating Frequency :      | 5 180 MHz        |
| Channel :                  | 36               |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 142.96        | H   | 59.8              | -----             | 1.4           | 61.2                | -----               | -----                  | 74.0                | -----               | 12.8           | -----          |
| 5 147.68        | H   | -----             | 44.6              | 1.4           | -----               | 46.0                | 0.3                    | -----               | 54.0                | -----          | 7.7            |
| 5 144.69        | V   | 58.0              | -----             | 1.4           | 59.4                | -----               | -----                  | 74.0                | -----               | 14.6           | -----          |
| 5 136.51        | V   | -----             | 43.9              | 1.4           | -----               | 45.3                | 0.3                    | -----               | 54.0                | -----          | 8.4            |

Radiated Restricted Band Edge Plot

|                            |                  |
|----------------------------|------------------|
| Worst Case Mode :          | 802.11ax_HE20_SU |
| Worst Case Transfer Rate : | MCS 0            |
| Distance of Measurements : | 3 Meters         |
| Operating Frequency :      | 5 320 MHz        |
| Channel :                  | 64               |

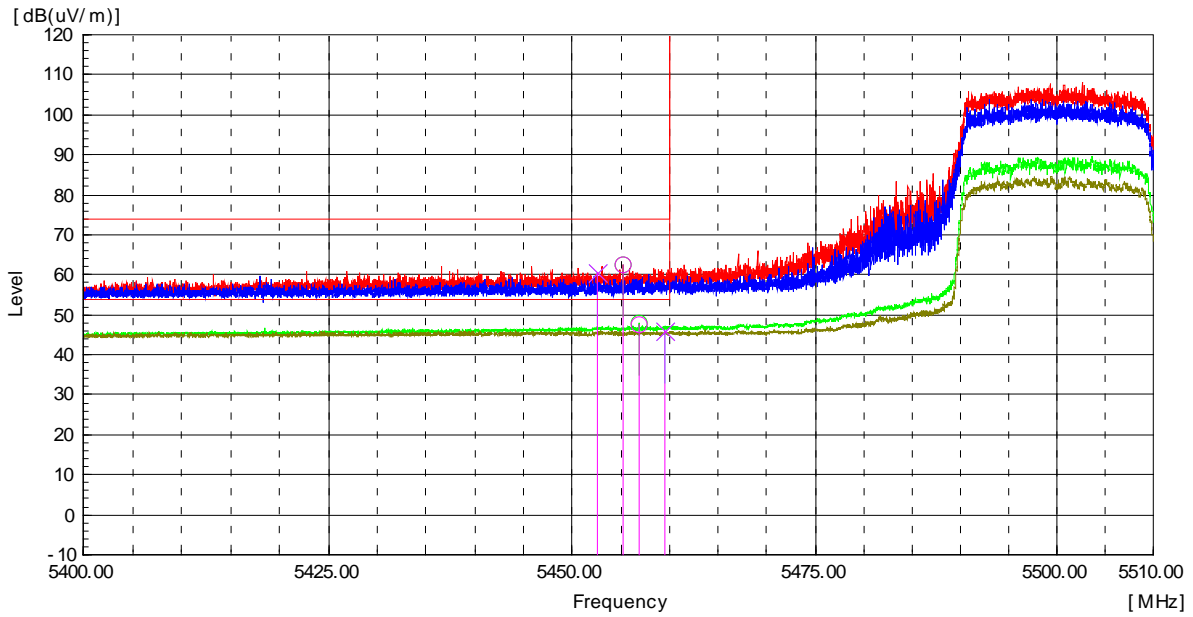


| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 352.45        | H   | 61.3              | -----             | 2.1           | 63.4                | -----               | -----                  | 74.0                | -----               | 10.6           | -----          |
| 5 358.83        | H   | -----             | 44.7              | 2.1           | -----               | 46.8                | 0.3                    | -----               | 54.0                | -----          | 6.9            |
| 5 352.50        | V   | 59.8              | -----             | 2.1           | 61.9                | -----               | -----                  | 74.0                | -----               | 12.1           | -----          |
| 5 351.39        | V   | -----             | 44.2              | 2.1           | -----               | 46.3                | 0.3                    | -----               | 54.0                | -----          | 7.4            |

Radiated Restricted Band Edge Plot



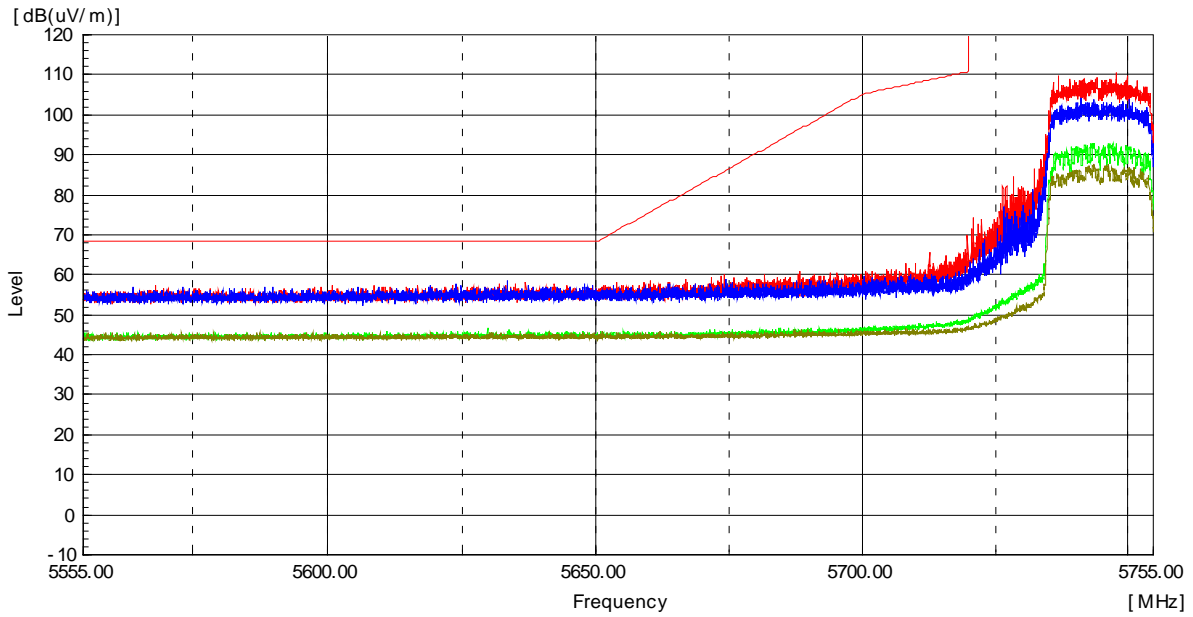
|                            |                  |
|----------------------------|------------------|
| Worst Case Mode :          | 802.11ax_HE20_SU |
| Worst Case Transfer Rate : | MCS 0            |
| Distance of Measurements : | 3 Meters         |
| Operating Frequency :      | 5 500 MHz        |
| Channel :                  | 100              |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 455.28        | H   | 60.3              | -----             | 2.0           | 62.3                | -----               | -----                  | 74.0                | -----               | 11.7           | -----          |
| 5 456.93        | H   | -----             | 45.7              | 2.0           | -----               | 47.7                | 0.3                    | -----               | 54.0                | -----          | 6.0            |
| 5 452.62        | V   | 58.4              | -----             | 2.0           | 60.4                | -----               | -----                  | 74.0                | -----               | 13.6           | -----          |
| 5 459.50        | V   | -----             | 44.1              | 2.0           | -----               | 46.1                | 0.3                    | -----               | 54.0                | -----          | 7.6            |

Radiated Restricted Band Edge Plot

|                            |                  |
|----------------------------|------------------|
| Worst Case Mode :          | 802.11ax_HE20_SU |
| Worst Case Transfer Rate : | MCS 0            |
| Distance of Measurements : | 3 Meters         |
| Operating Frequency :      | 5 745 MHz        |
| Channel :                  | 149              |

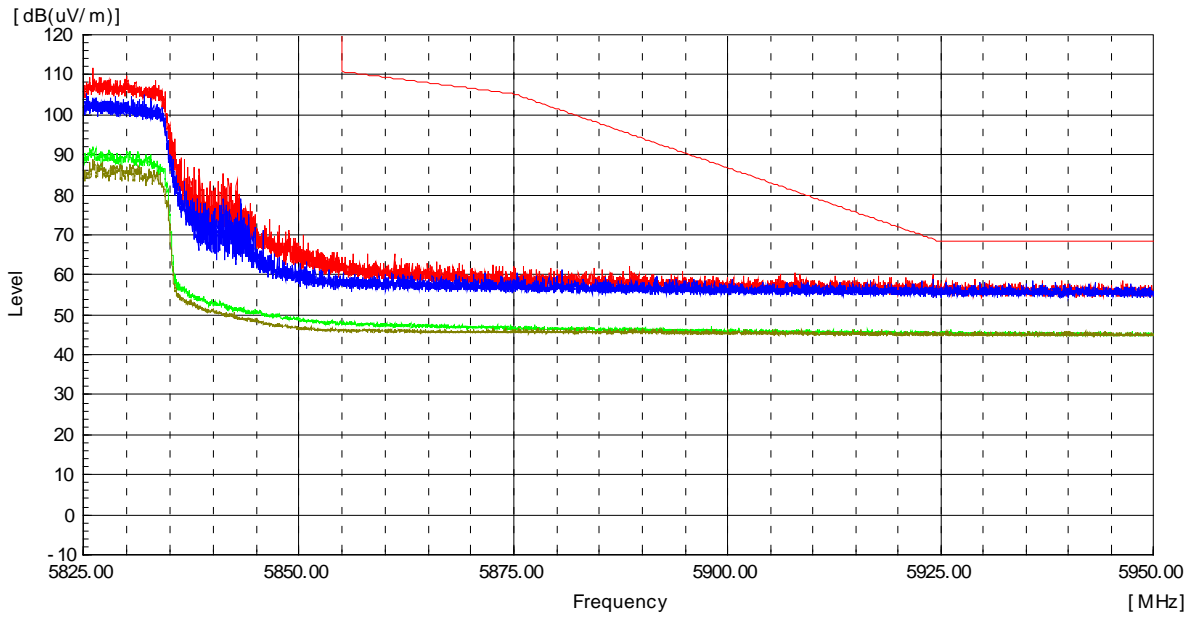


| Frequency<br>[MHz] | Reading<br>PK<br>[dBuV]<br>(P) | Reading<br>AV<br>[dBuV] | c.f<br>[dB(1/m)] | Level PK<br>[dB(uV/m)] | Level AV<br>[dB(uV/m)] | Duty<br>Cycle<br>Factor<br>[dB] | Limit PK<br>[dB(uV/m)] | Limit AV<br>[dB(uV/m)] | Margin<br>PK<br>[dB] | Margin<br>AV<br>[dB] |
|--------------------|--------------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|
|--------------------|--------------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot

|                            |                  |
|----------------------------|------------------|
| Worst Case Mode :          | 802.11ax_HE20_SU |
| Worst Case Transfer Rate : | MCS 0            |
| Distance of Measurements : | 3 Meters         |
| Operating Frequency :      | 5 825 MHz        |
| Channel :                  | 165              |



| Frequency<br>[MHz] | Reading<br>PK<br>[dBuV]<br>(P) | Reading<br>AV<br>[dBuV] | c.f<br>[dB(1/m)] | Level PK<br>[dB(uV/m)] | Level AV<br>[dB(uV/m)] | Duty<br>Cycle<br>Factor<br>[dB] | Limit PK<br>[dB(uV/m)] | Limit AV<br>[dB(uV/m)] | Margin<br>PK<br>[dB] | Margin<br>AV<br>[dB] |
|--------------------|--------------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|
|--------------------|--------------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot



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Report No.:  
 CTK-2021-03422  
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**Test mode : Transmitter, 802.11ax\_HE20\_26T**

The requirements are:

Complies

**Test Data**

**Ch.36(5 180 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 358.28       | H   | 50.9              | -----             | 7.1           | 58.0                | -----               | -----                  | 74.0                | -----               | 16.0           | -----          |
| 10 359.67       | H   | -----             | 36.4              | 7.1           | -----               | 43.7                | 0.2                    | -----               | 54.0                | -----          | 10.3           |
| 10 358.63       | V   | 45.8              | -----             | 7.1           | 52.9                | -----               | -----                  | 74.0                | -----               | 21.1           | -----          |
| 10 365.97       | V   | -----             | 34.4              | 7.1           | -----               | 41.7                | 0.2                    | -----               | 54.0                | -----          | 12.3           |

**Ch.40(5 200 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 398.00       | H   | 50.9              | -----             | 7.4           | 58.3                | -----               | -----                  | 74.0                | -----               | 15.7           | -----          |
| 10 399.75       | H   | -----             | 36.6              | 7.4           | -----               | 44.2                | 0.2                    | -----               | 54.0                | -----          | 9.8            |
| 10 391.53       | V   | 46.6              | -----             | 7.4           | 54.0                | -----               | -----                  | 74.0                | -----               | 20.0           | -----          |
| 10 400.10       | V   | -----             | 34.5              | 7.4           | -----               | 42.1                | 0.2                    | -----               | 54.0                | -----          | 11.9           |

**Ch.48(5 240 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 480.95       | H   | 49.1              | -----             | 7.2           | 56.3                | -----               | -----                  | 74.0                | -----               | 17.7           | -----          |
| 10 479.90       | H   | -----             | 37.2              | 7.2           | -----               | 44.6                | 0.2                    | -----               | 54.0                | -----          | 9.4            |
| 10 479.90       | V   | 45.7              | -----             | 7.2           | 52.9                | -----               | -----                  | 74.0                | -----               | 21.1           | -----          |
| 10 478.67       | V   | -----             | 34.3              | 7.2           | -----               | 41.7                | 0.2                    | -----               | 54.0                | -----          | 12.3           |



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Ch.52(5 260 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 521.55       | H   | 55.2              | -----             | 7.4           | 62.6                | -----               | -----                  | 74.0                | -----               | 11.4           | -----          |
| 10 519.63       | H   | -----             | 41.3              | 7.4           | -----               | 48.9                | 0.2                    | -----               | 54.0                | -----          | 5.1            |
| 10 520.85       | V   | 47.5              | -----             | 7.4           | 54.9                | -----               | -----                  | 74.0                | -----               | 19.1           | -----          |
| 10 519.97       | V   | -----             | 35.2              | 7.4           | -----               | 42.8                | 0.2                    | -----               | 54.0                | -----          | 11.2           |

Ch.60(5 300 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 601.00       | H   | 55.9              | -----             | 7.2           | 63.1                | -----               | -----                  | 74.0                | -----               | 10.9           | -----          |
| 10 599.78       | H   | -----             | 43.5              | 7.2           | -----               | 50.9                | 0.2                    | -----               | 54.0                | -----          | 3.1            |
| 10 599.60       | V   | 47.3              | -----             | 7.2           | 54.5                | -----               | -----                  | 74.0                | -----               | 19.5           | -----          |
| 10 599.42       | V   | -----             | 35.5              | 7.2           | -----               | 42.9                | 0.2                    | -----               | 54.0                | -----          | 11.1           |

Ch.64(5 320 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 640.03       | H   | 56.2              | -----             | 7.6           | 63.8                | -----               | -----                  | 74.0                | -----               | 10.2           | -----          |
| 10 640.03       | H   | -----             | 41.5              | 7.6           | -----               | 49.3                | 0.2                    | -----               | 54.0                | -----          | 4.7            |
| 10 640.90       | V   | 46.4              | -----             | 7.7           | 54.1                | -----               | -----                  | 74.0                | -----               | 19.9           | -----          |
| 10 639.50       | V   | -----             | 35.6              | 7.6           | -----               | 43.4                | 0.2                    | -----               | 54.0                | -----          | 10.6           |



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Ch.100(5 500 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 983.03       | H   | 52.1              | -----             | 7.8           | 59.9                | -----               | -----                  | 74.0                | -----               | 14.1           | -----          |
| 10 982.67       | H   | -----             | 39.4              | 7.8           | -----               | 47.4                | 0.2                    | -----               | 54.0                | -----          | 6.6            |
| 10 985.83       | V   | 45.5              | -----             | 7.8           | 53.3                | -----               | -----                  | 74.0                | -----               | 20.7           | -----          |
| 10 982.15       | V   | -----             | 34.5              | 7.8           | -----               | 42.5                | 0.2                    | -----               | 54.0                | -----          | 11.5           |

Ch.120(5 600 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 183.05       | H   | 51.6              | -----             | 8.2           | 59.8                | -----               | -----                  | 74.0                | -----               | 14.2           | -----          |
| 11 183.05       | H   | -----             | 40.2              | 8.2           | -----               | 48.6                | 0.2                    | -----               | 54.0                | -----          | 5.4            |
| 11 186.55       | V   | 46.0              | -----             | 8.2           | 54.2                | -----               | -----                  | 74.0                | -----               | 19.8           | -----          |
| 11 183.75       | V   | -----             | 35.0              | 8.2           | -----               | 43.4                | 0.2                    | -----               | 54.0                | -----          | 10.6           |

Ch.144(5 720 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 423.85       | H   | 51.3              | -----             | 8.8           | 60.1                | -----               | -----                  | 74.0                | -----               | 13.9           | -----          |
| 11 422.63       | H   | -----             | 38.7              | 8.8           | -----               | 47.7                | 0.2                    | -----               | 54.0                | -----          | 6.3            |
| 11 422.28       | V   | 45.8              | -----             | 8.8           | 54.6                | -----               | -----                  | 74.0                | -----               | 19.4           | -----          |
| 11 422.80       | V   | -----             | 34.5              | 8.8           | -----               | 43.5                | 0.2                    | -----               | 54.0                | -----          | 10.5           |

Ch.149(5 745 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 472.50       | H   | 52.1              | -----             | 8.7           | 60.8                | -----               | -----                  | 74.0                | -----               | 13.2           | -----          |
| 11 472.67       | H   | -----             | 40.0              | 8.7           | -----               | 48.9                | 0.2                    | -----               | 54.0                | -----          | 5.1            |
| 11 472.15       | V   | 47.9              | -----             | 8.7           | 56.6                | -----               | -----                  | 74.0                | -----               | 17.4           | -----          |
| 11 472.67       | V   | -----             | 35.9              | 8.7           | -----               | 44.8                | 0.2                    | -----               | 54.0                | -----          | 9.2            |



Ch.157(5 785 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 553.00       | H   | 50.3              | -----             | 8.7           | 59.0                | -----               | -----                  | 74.0                | -----               | 15.0           | -----          |
| 11 552.65       | H   | -----             | 39.4              | 8.7           | -----               | 48.3                | 0.2                    | -----               | 54.0                | -----          | 5.7            |
| 11 549.50       | V   | 46.0              | -----             | 8.7           | 54.7                | -----               | -----                  | 74.0                | -----               | 19.3           | -----          |
| 11 552.83       | V   | -----             | 35.2              | 8.7           | -----               | 44.1                | 0.2                    | -----               | 54.0                | -----          | 9.9            |

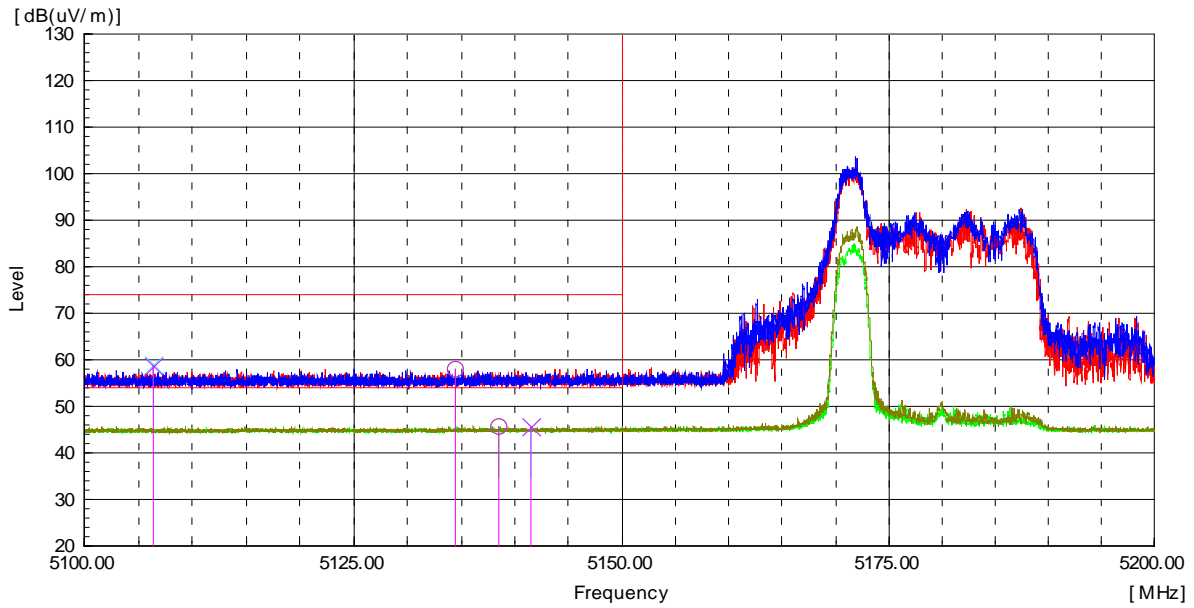
Ch.165(5 825 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 633.50       | H   | 49.6              | -----             | 8.5           | 58.1                | -----               | -----                  | 74.0                | -----               | 15.9           | -----          |
| 11 632.97       | H   | -----             | 37.8              | 8.5           | -----               | 46.5                | 0.2                    | -----               | 54.0                | -----          | 7.5            |
| 11 634.38       | V   | 46.7              | -----             | 8.5           | 55.2                | -----               | -----                  | 74.0                | -----               | 18.8           | -----          |
| 11 633.50       | V   | -----             | 35.4              | 8.5           | -----               | 44.1                | 0.2                    | -----               | 54.0                | -----          | 9.9            |

**Remarks**

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in lie-down position(Z axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)  
 Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

|                            |                   |
|----------------------------|-------------------|
| Worst Case Mode :          | 802.11ax_HE20_26T |
| Worst Case Transfer Rate : | MCS 0             |
| Distance of Measurements : | 3 Meters          |
| Operating Frequency :      | 5 180 MHz         |
| Channel :                  | 36                |

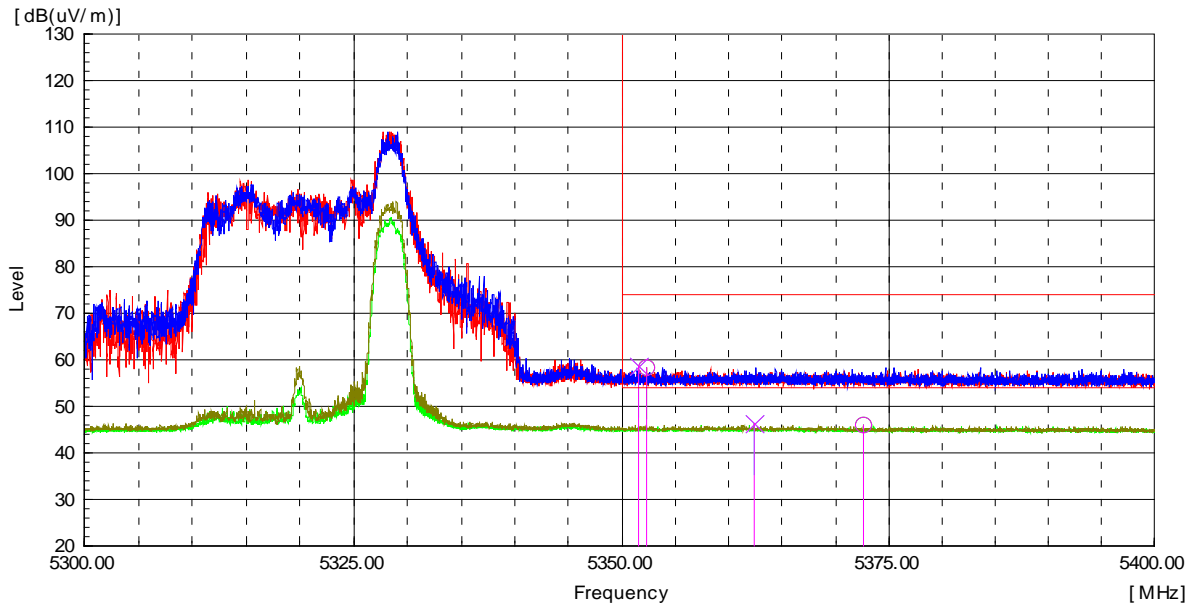


| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 134.50        | H   | 56.0              | -----             | 2.0           | 58.0                | -----               | -----                  | 74.0                | -----               | 16.0           | -----          |
| 5 138.53        | H   | -----             | 43.6              | 2.0           | -----               | 45.8                | 0.2                    | -----               | 54.0                | -----          | 8.2            |
| 5 106.35        | V   | 57.0              | -----             | 1.8           | 58.8                | -----               | -----                  | 74.0                | -----               | 15.2           | -----          |
| 5 141.45        | V   | -----             | 43.7              | 2.0           | -----               | 45.9                | 0.2                    | -----               | 54.0                | -----          | 8.1            |

Radiated Restricted Band Edge Plot



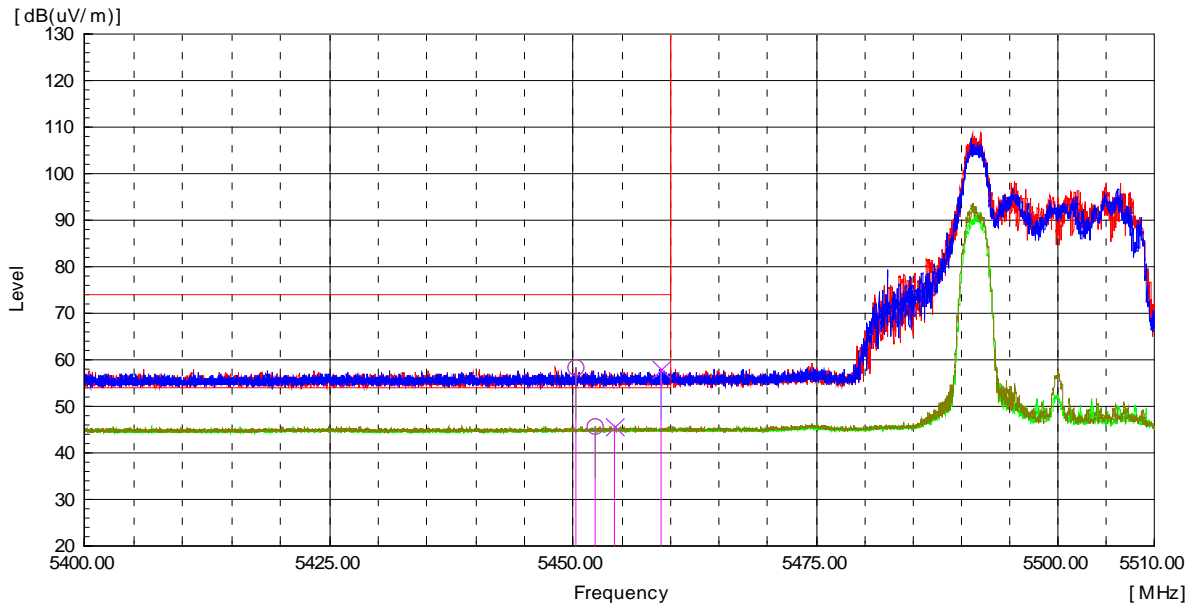
|                            |                   |
|----------------------------|-------------------|
| Worst Case Mode :          | 802.11ax_HE20_26T |
| Worst Case Transfer Rate : | MCS 0             |
| Distance of Measurements : | 3 Meters          |
| Operating Frequency :      | 5 320 MHz         |
| Channel :                  | 64                |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 352.38        | H   | 56.2              | -----             | 2.1           | 58.3                | -----               | -----                  | 74.0                | -----               | 15.7           | -----          |
| 5 372.66        | H   | -----             | 43.7              | 2.2           | -----               | 46.1                | 0.2                    | -----               | 54.0                | -----          | 7.9            |
| 5 351.55        | V   | 56.5              | -----             | 2.1           | 58.6                | -----               | -----                  | 74.0                | -----               | 15.4           | -----          |
| 5 362.44        | V   | -----             | 44.1              | 2.2           | -----               | 46.5                | 0.2                    | -----               | 54.0                | -----          | 7.5            |

Radiated Restricted Band Edge Plot

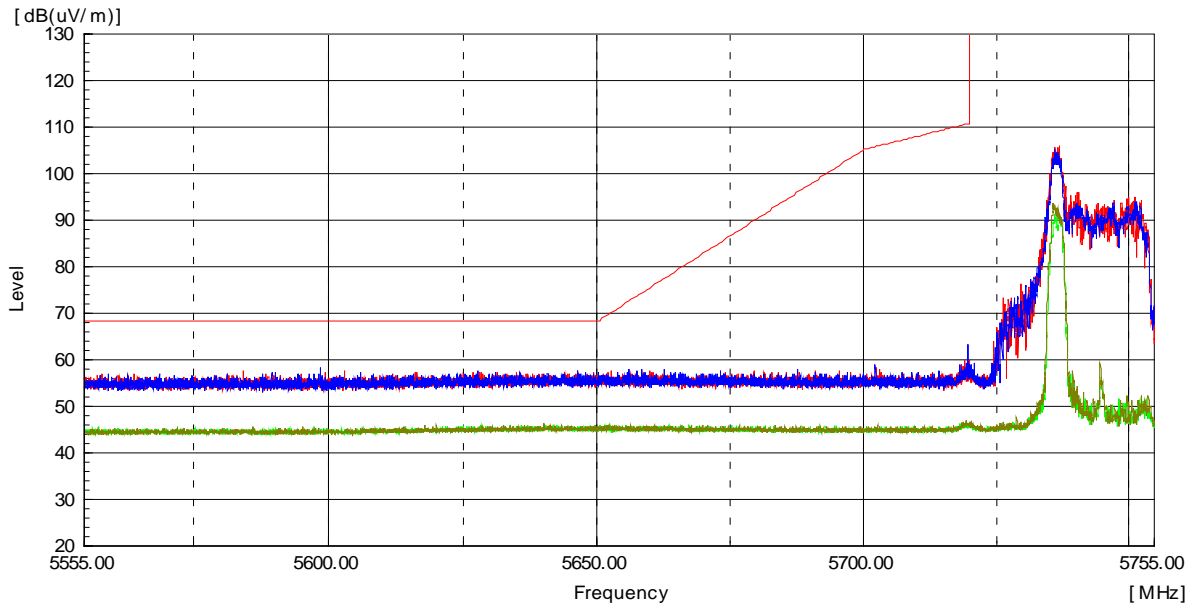
|                            |                   |
|----------------------------|-------------------|
| Worst Case Mode :          | 802.11ax_HE20_26T |
| Worst Case Transfer Rate : | MCS 0             |
| Distance of Measurements : | 3 Meters          |
| Operating Frequency :      | 5 500 MHz         |
| Channel :                  | 100               |



| Frequency [MHz] | Reading (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 450.24        | H           | 56.2              | -----             | 2.1           | 58.3                | -----               | -----                  | 74.0                | -----               | 15.7           | -----          |
| 5 452.31        | H           | -----             | 43.7              | 2.1           | -----               | 46.0                | 0.2                    | -----               | 54.0                | -----          | 8.0            |
| 5 459.06        | V           | 55.8              | -----             | 2.1           | 57.9                | -----               | -----                  | 74.0                | -----               | 16.1           | -----          |
| 5 454.30        | V           | -----             | 43.7              | 2.1           | -----               | 46.0                | 0.2                    | -----               | 54.0                | -----          | 8.0            |

Radiated Restricted Band Edge Plot

|                            |                   |
|----------------------------|-------------------|
| Worst Case Mode :          | 802.11ax_HE20_26T |
| Worst Case Transfer Rate : | MCS 0             |
| Distance of Measurements : | 3 Meters          |
| Operating Frequency :      | 5 745 MHz         |
| Channel :                  | 149               |

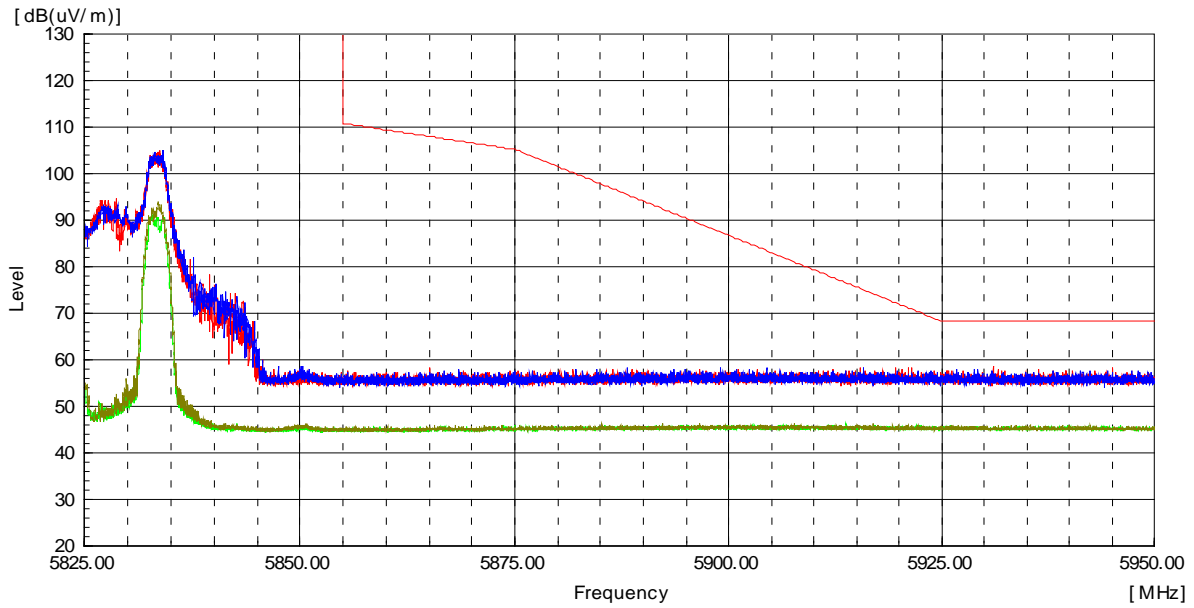


| Frequency [MHz] | Reading (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot

|                            |                   |
|----------------------------|-------------------|
| Worst Case Mode :          | 802.11ax_HE20_26T |
| Worst Case Transfer Rate : | MCS 0             |
| Distance of Measurements : | 3 Meters          |
| Operating Frequency :      | 5 825 MHz         |
| Channel :                  | 165               |



| Frequency [MHz] | Reading (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

Radiated Restricted Band Edge Plot



**Test mode : Transmitter, 802.11n\_HT40**

The requirements are:

Complies

**Test Data**

**Ch.38(5 190 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 397.50       | H   | 46.6              | -----             | 6.7           | 53.3                | -----               | -----                  | 74.0                | -----               | 20.7           | -----          |
| 10 371.68       | H   | -----             | 35.1              | 6.7           | -----               | 41.8                | 0.3                    | -----               | 54.0                | -----          | 11.9           |
| 10 376.58       | V   | 52.2              | -----             | 6.7           | 58.9                | -----               | -----                  | 74.0                | -----               | 15.1           | -----          |
| 10 393.28       | V   | -----             | 35.2              | 6.7           | -----               | 41.9                | 0.3                    | -----               | 54.0                | -----          | 11.8           |

**Ch.46(5 230 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 462.30       | H   | 46.2              | -----             | 6.9           | 53.1                | -----               | -----                  | 74.0                | -----               | 20.9           | -----          |
| 10 503.47       | H   | -----             | 35.0              | 7.0           | -----               | 42.0                | 0.3                    | -----               | 54.0                | -----          | 11.7           |
| 10 465.67       | V   | 50.5              | -----             | 6.9           | 57.4                | -----               | -----                  | 74.0                | -----               | 16.6           | -----          |
| 10 460.95       | V   | -----             | 35.6              | 6.9           | -----               | 42.5                | 0.3                    | -----               | 54.0                | -----          | 11.2           |

**Ch.54(5 270 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 536.38       | H   | 47.3              | -----             | 7.1           | 54.4                | -----               | -----                  | 74.0                | -----               | 19.6           | -----          |
| 10 543.64       | H   | -----             | 35.0              | 7.1           | -----               | 42.1                | 0.3                    | -----               | 54.0                | -----          | 11.6           |
| 10 538.41       | V   | 52.1              | -----             | 7.1           | 59.2                | -----               | -----                  | 74.0                | -----               | 14.8           | -----          |
| 10 545.66       | V   | -----             | 36.0              | 7.1           | -----               | 43.1                | 0.3                    | -----               | 54.0                | -----          | 10.6           |

**Ch.62(5 310 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 635.61       | H   | 47.6              | -----             | 7.2           | 54.8                | -----               | -----                  | 74.0                | -----               | 19.2           | -----          |
| 10 631.39       | H   | -----             | 35.2              | 7.2           | -----               | 42.4                | 0.3                    | -----               | 54.0                | -----          | 11.3           |
| 10 619.74       | V   | 53.1              | -----             | 7.2           | 60.3                | -----               | -----                  | 74.0                | -----               | 13.7           | -----          |
| 10 615.53       | V   | -----             | 36.3              | 7.2           | -----               | 43.5                | 0.3                    | -----               | 54.0                | -----          | 10.2           |



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Ch.102(5 510 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 022.04       | H   | 48.0              | -----             | 7.7           | 55.7                | -----               | -----                  | 74.0                | -----               | 18.3           | -----          |
| 11 029.30       | H   | -----             | 35.2              | 7.8           | -----               | 43.0                | 0.3                    | -----               | 54.0                | -----          | 10.7           |
| 11 016.81       | V   | 54.1              | -----             | 7.7           | 61.8                | -----               | -----                  | 74.0                | -----               | 12.2           | -----          |
| 11 016.47       | V   | -----             | 36.6              | 7.7           | -----               | 44.3                | 0.3                    | -----               | 54.0                | -----          | 9.4            |
| 16 529.20       | H   | 47.2              | -----             | 13.4          | 60.6                | -----               | -----                  | 74.0                | -----               | 13.4           | -----          |
| 16 451.64       | H   | -----             | 36.0              | 12.9          | -----               | 48.9                | 0.3                    | -----               | 54.0                | -----          | 4.8            |
| 16 531.19       | V   | 50.4              | -----             | 13.4          | 63.8                | -----               | -----                  | 74.0                | -----               | 10.2           | -----          |
| 16 533.68       | V   | -----             | 35.9              | 13.4          | -----               | 49.3                | 0.3                    | -----               | 54.0                | -----          | 4.4            |

Ch.118(5 590 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 180.16       | H   | 46.7              | -----             | 7.9           | 54.6                | -----               | -----                  | 74.0                | -----               | 19.4           | -----          |
| 11 137.13       | H   | -----             | 35.2              | 7.9           | -----               | 43.1                | 0.3                    | -----               | 54.0                | -----          | 10.6           |
| 11 178.81       | V   | 50.0              | -----             | 7.9           | 57.9                | -----               | -----                  | 74.0                | -----               | 16.1           | -----          |
| 11 181.51       | V   | -----             | 35.0              | 7.9           | -----               | 42.9                | 0.3                    | -----               | 54.0                | -----          | 10.8           |
| 16 807.75       | H   | 46.1              | -----             | 14.3          | 60.4                | -----               | -----                  | 74.0                | -----               | 13.6           | -----          |
| 16 818.97       | H   | -----             | 34.9              | 14.4          | -----               | 49.3                | 0.3                    | -----               | 54.0                | -----          | 4.4            |
| 16 783.31       | V   | 49.3              | -----             | 14.2          | 63.5                | -----               | -----                  | 74.0                | -----               | 10.5           | -----          |
| 16 825.20       | V   | -----             | 34.8              | 14.4          | -----               | 49.2                | 0.3                    | -----               | 54.0                | -----          | 4.5            |

Ch.142(5 710 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 455.56       | H   | 45.7              | -----             | 8.5           | 54.2                | -----               | -----                  | 74.0                | -----               | 19.8           | -----          |
| 11 456.58       | H   | -----             | 34.7              | 8.5           | -----               | 43.2                | 0.3                    | -----               | 54.0                | -----          | 10.5           |
| 11 441.22       | V   | 47.6              | -----             | 8.5           | 56.1                | -----               | -----                  | 74.0                | -----               | 17.9           | -----          |
| 11 488.97       | V   | -----             | 34.7              | 8.5           | -----               | 43.2                | 0.3                    | -----               | 54.0                | -----          | 10.5           |
| 17 072.83       | H   | 45.4              | -----             | 14.4          | 59.8                | -----               | -----                  | 74.0                | -----               | 14.2           | -----          |
| 17 094.53       | H   | -----             | 34.3              | 14.4          | -----               | 48.7                | 0.3                    | -----               | 54.0                | -----          | 5.0            |
| 17 136.67       | V   | 48.7              | -----             | 14.2          | 62.9                | -----               | -----                  | 74.0                | -----               | 11.1           | -----          |
| 17 070.59       | V   | -----             | 33.8              | 14.4          | -----               | 48.2                | 0.3                    | -----               | 54.0                | -----          | 5.5            |



Ch.151(5 755 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 474.80       | H   | 46.1              | -----             | 8.5           | 54.6                | -----               | -----                  | 74.0                | -----               | 19.4           | -----          |
| 11 453.54       | H   | -----             | 34.6              | 8.5           | -----               | 43.1                | 0.3                    | -----               | 54.0                | -----          | 10.6           |
| 11 523.74       | V   | 48.4              | -----             | 8.6           | 57.0                | -----               | -----                  | 74.0                | -----               | 17.0           | -----          |
| 11 459.28       | V   | -----             | 34.7              | 8.5           | -----               | 43.2                | 0.3                    | -----               | 54.0                | -----          | 10.5           |
| 17 262.36       | H   | 46.6              | -----             | 13.9          | 60.5                | -----               | -----                  | 74.0                | -----               | 13.5           | -----          |
| 17 219.47       | H   | -----             | 34.3              | 14.1          | -----               | 48.4                | 0.3                    | -----               | 54.0                | -----          | 5.3            |
| 17 258.37       | V   | 49.7              | -----             | 13.9          | 63.6                | -----               | -----                  | 74.0                | -----               | 10.4           | -----          |
| 17 262.61       | V   | -----             | 34.3              | 13.9          | -----               | 48.2                | 0.3                    | -----               | 54.0                | -----          | 5.5            |

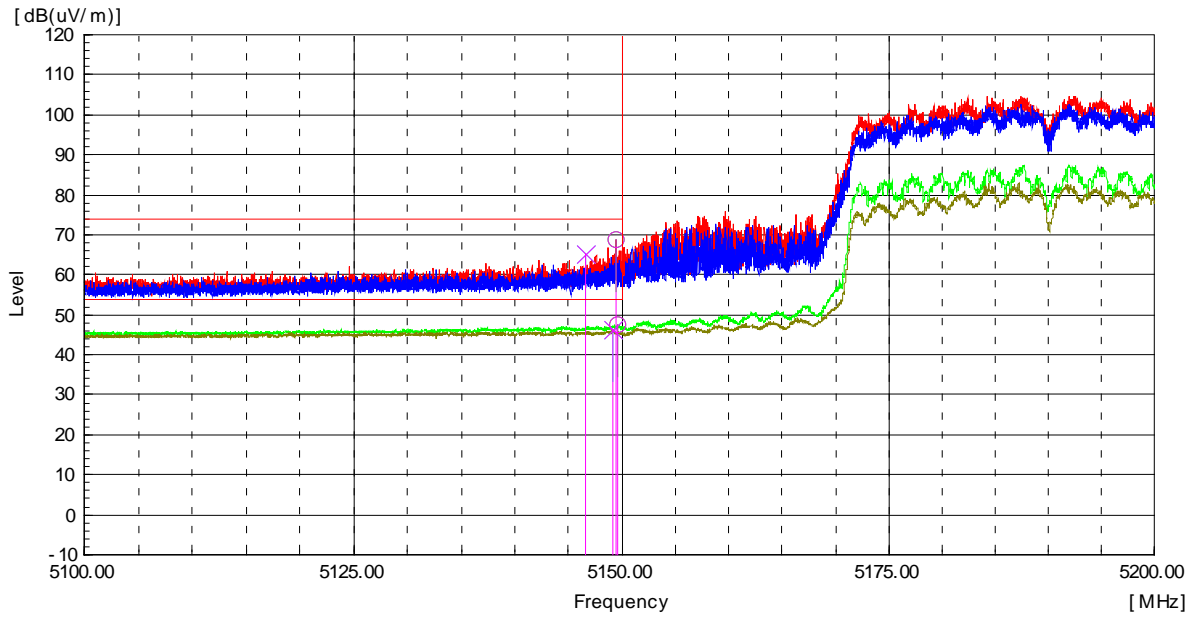
Ch.159(5 795 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 605.92       | H   | 45.5              | -----             | 8.5           | 54.0                | -----               | -----                  | 74.0                | -----               | 20.0           | -----          |
| 11 664.98       | H   | -----             | 34.5              | 8.6           | -----               | 43.1                | 0.3                    | -----               | 54.0                | -----          | 10.6           |
| 11 608.28       | V   | 47.8              | -----             | 8.5           | 56.3                | -----               | -----                  | 74.0                | -----               | 17.7           | -----          |
| 11 591.07       | V   | -----             | 34.5              | 8.5           | -----               | 43.0                | 0.3                    | -----               | 54.0                | -----          | 10.7           |
| 17 395.28       | H   | 45.6              | -----             | 13.8          | 59.4                | -----               | -----                  | 74.0                | -----               | 14.6           | -----          |
| 17 341.41       | H   | -----             | 34.4              | 13.8          | -----               | 48.2                | 0.3                    | -----               | 54.0                | -----          | 5.5            |
| 17 390.04       | V   | 49.5              | -----             | 13.8          | 63.3                | -----               | -----                  | 74.0                | -----               | 10.7           | -----          |
| 17 342.16       | V   | -----             | 34.3              | 13.8          | -----               | 48.1                | 0.3                    | -----               | 54.0                | -----          | 5.6            |

**Remarks**

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(Z axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)  
 Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

|                            |              |
|----------------------------|--------------|
| Worst Case Mode :          | 802.11n_HT40 |
| Worst Case Transfer Rate : | MCS 0        |
| Distance of Measurements : | 3 Meters     |
| Operating Frequency :      | 5 190 MHz    |
| Channel :                  | 38           |

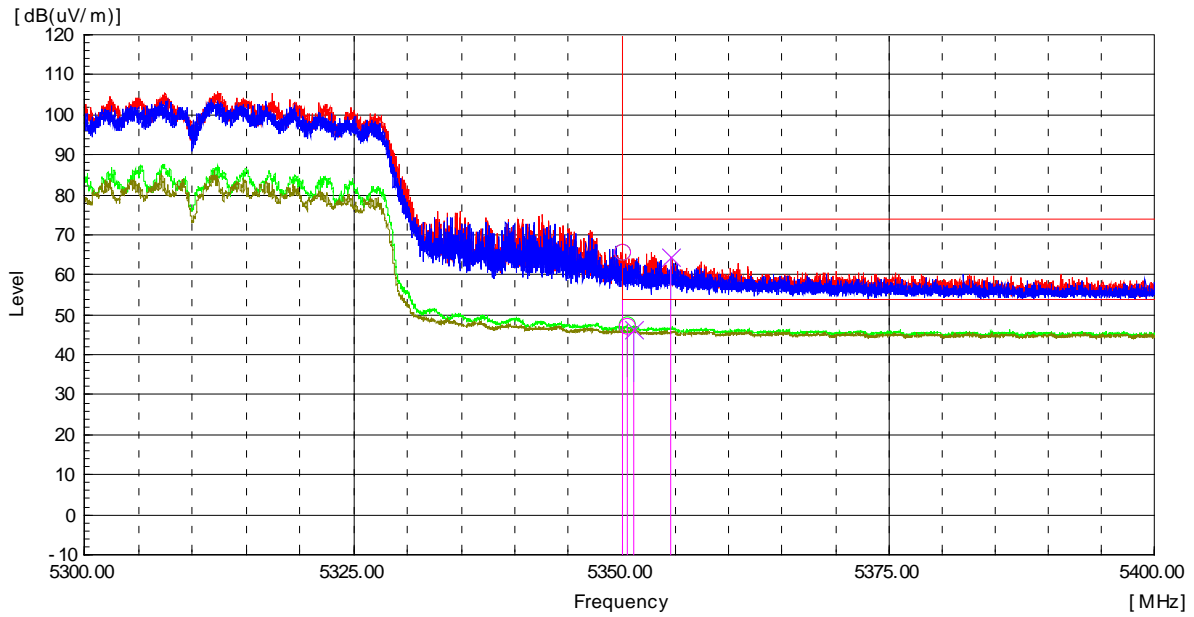


| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 149.51        | H   | 67.4              | -----             | 1.4           | 68.8                | -----               | -----                  | 74.0                | -----               | 5.2            | -----          |
| 5 149.66        | H   | -----             | 46.0              | 1.4           | -----               | 47.4                | 0.3                    | -----               | 54.0                | -----          | 6.3            |
| 5 146.60        | V   | 63.8              | -----             | 1.4           | 65.2                | -----               | -----                  | 74.0                | -----               | 8.8            | -----          |
| 5 149.18        | V   | -----             | 44.8              | 1.4           | -----               | 46.2                | 0.3                    | -----               | 54.0                | -----          | 7.5            |

Radiated Restricted Band Edge Plot



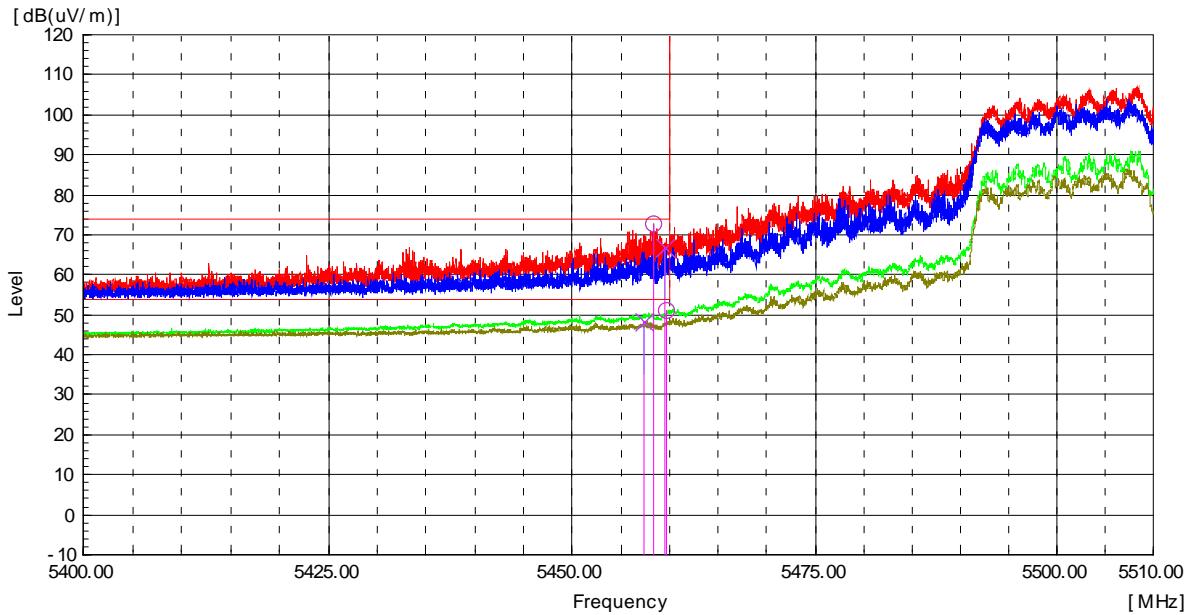
|                            |              |
|----------------------------|--------------|
| Worst Case Mode :          | 802.11n_HT40 |
| Worst Case Transfer Rate : | MCS 0        |
| Distance of Measurements : | 3 Meters     |
| Operating Frequency :      | 5 310 MHz    |
| Channel :                  | 62           |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 350.01        | H   | 63.5              | -----             | 2.1           | 65.6                | -----               | -----                  | 74.0                | -----               | 8.4            | -----          |
| 5 350.50        | H   | -----             | 45.2              | 2.1           | -----               | 47.3                | 0.3                    | -----               | 54.0                | -----          | 6.4            |
| 5 354.55        | V   | 62.3              | -----             | 2.1           | 64.4                | -----               | -----                  | 74.0                | -----               | 9.6            | -----          |
| 5 351.05        | V   | -----             | 44.3              | 2.1           | -----               | 46.4                | 0.3                    | -----               | 54.0                | -----          | 7.3            |

Radiated Restricted Band Edge Plot

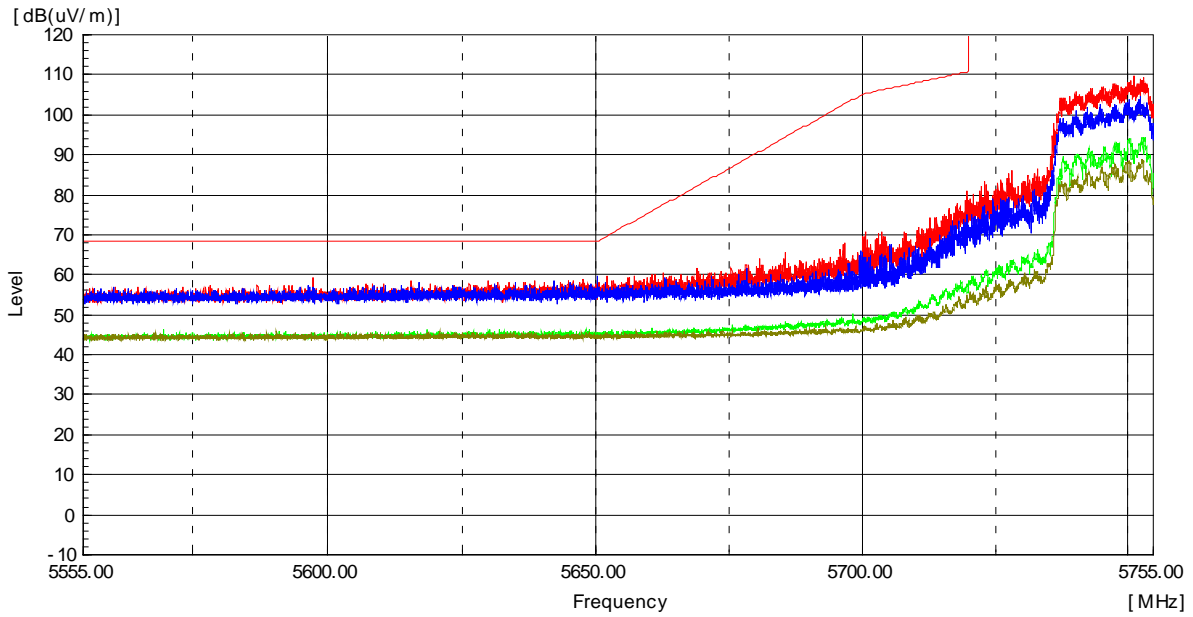
|                            |              |
|----------------------------|--------------|
| Worst Case Mode :          | 802.11n_HT40 |
| Worst Case Transfer Rate : | MCS 0        |
| Distance of Measurements : | 3 Meters     |
| Operating Frequency :      | 5 510 MHz    |
| Channel :                  | 102          |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 458.38        | H   | 70.8              | -----             | 2.0           | 72.8                | -----               | -----                  | 74.0                | -----               | 1.2            | -----          |
| 5 459.74        | H   | -----             | 49.0              | 2.0           | -----               | 51.0                | 0.3                    | -----               | 54.0                | -----          | 2.7            |
| 5 459.44        | V   | 65.0              | -----             | 2.0           | 67.0                | -----               | -----                  | 74.0                | -----               | 7.0            | -----          |
| 5 457.41        | V   | -----             | 46.4              | 2.0           | -----               | 48.4                | 0.3                    | -----               | 54.0                | -----          | 5.3            |

Radiated Restricted Band Edge Plot

|                            |              |
|----------------------------|--------------|
| Worst Case Mode :          | 802.11n_HT40 |
| Worst Case Transfer Rate : | MCS 0        |
| Distance of Measurements : | 3 Meters     |
| Operating Frequency :      | 5 755 MHz    |
| Channel :                  | 151          |



| Frequency [MHz] | Reading (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

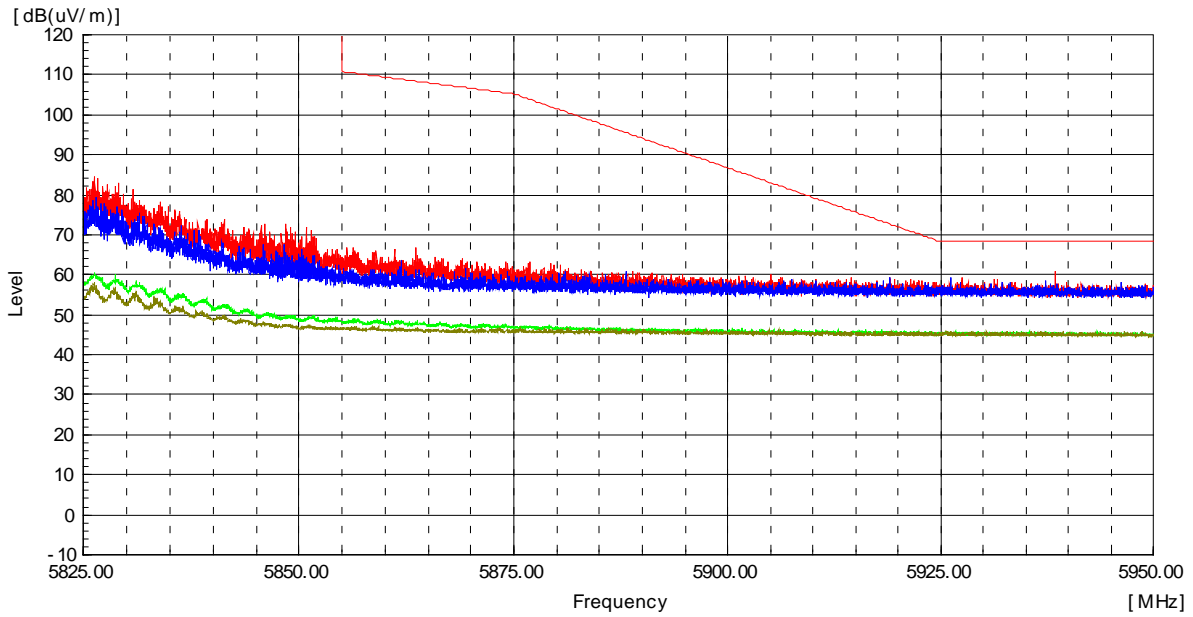
### Radiated Restricted Band Edge Plot



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 Fax: +82-31-624-9501

Report No.:  
 CTK-2021-03422  
 Page (322) / (373) Pages

|                            |              |
|----------------------------|--------------|
| Worst Case Mode :          | 802.11n_HT40 |
| Worst Case Transfer Rate : | MCS 0        |
| Distance of Measurements : | 3 Meters     |
| Operating Frequency :      | 5 795 MHz    |
| Channel :                  | 159          |



| Frequency [MHz] | Reading (P) PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-----------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot



**Test mode : Transmitter, 802.11ac\_VHT40**

The requirements are:

Complies

**Test Data**

**Ch.38(5 190 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 345.36       | H   | 46.2              | -----             | 6.6           | 52.8                | -----               | -----                  | 74.0                | -----               | 21.2           | -----          |
| 10 375.06       | H   | -----             | 35.2              | 6.7           | -----               | 41.9                | 0.5                    | -----               | 54.0                | -----          | 11.6           |
| 10 380.46       | V   | 51.0              | -----             | 6.7           | 57.7                | -----               | -----                  | 74.0                | -----               | 16.3           | -----          |
| 10 400.03       | V   | -----             | 35.4              | 6.7           | -----               | 42.1                | 0.5                    | -----               | 54.0                | -----          | 11.4           |

**Ch.46(5 230 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 443.74       | H   | 46.4              | -----             | 6.9           | 53.3                | -----               | -----                  | 74.0                | -----               | 20.7           | -----          |
| 10 477.49       | H   | -----             | 35.8              | 6.9           | -----               | 42.7                | 0.5                    | -----               | 54.0                | -----          | 10.8           |
| 10 471.08       | V   | 50.6              | -----             | 6.9           | 57.5                | -----               | -----                  | 74.0                | -----               | 16.5           | -----          |
| 10 466.35       | V   | -----             | 35.4              | 6.9           | -----               | 42.3                | 0.5                    | -----               | 54.0                | -----          | 11.2           |

**Ch.54(5 270 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 539.59       | H   | 47.2              | -----             | 7.1           | 54.3                | -----               | -----                  | 74.0                | -----               | 19.7           | -----          |
| 10 534.69       | H   | -----             | 35.8              | 7.1           | -----               | 42.9                | 0.5                    | -----               | 54.0                | -----          | 10.6           |
| 10 536.21       | V   | 52.6              | -----             | 7.1           | 59.7                | -----               | -----                  | 74.0                | -----               | 14.3           | -----          |
| 10 545.49       | V   | -----             | 35.8              | 7.1           | -----               | 42.9                | 0.5                    | -----               | 54.0                | -----          | 10.6           |

**Ch.62(5 310 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 622.28       | H   | 47.6              | -----             | 7.2           | 54.8                | -----               | -----                  | 74.0                | -----               | 19.2           | -----          |
| 10 622.78       | H   | -----             | 35.2              | 7.2           | -----               | 42.4                | 0.5                    | -----               | 54.0                | -----          | 11.1           |
| 10 616.54       | V   | 53.0              | -----             | 7.2           | 60.2                | -----               | -----                  | 74.0                | -----               | 13.8           | -----          |
| 10 621.26       | V   | -----             | 35.8              | 7.2           | -----               | 43.0                | 0.5                    | -----               | 54.0                | -----          | 10.5           |

Ch.102(5 510 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 029.81       | H   | 47.9              | -----             | 7.8           | 55.7                | -----               | -----                  | 74.0                | -----               | 18.3           | -----          |
| 11 028.79       | H   | -----             | 35.2              | 7.8           | -----               | 43.0                | 0.5                    | -----               | 54.0                | -----          | 10.5           |
| 11 016.47       | V   | 55.2              | -----             | 7.7           | 62.9                | -----               | -----                  | 74.0                | -----               | 11.1           | -----          |
| 11 020.02       | V   | -----             | 36.0              | 7.7           | -----               | 43.7                | 0.5                    | -----               | 54.0                | -----          | 9.8            |
| 16 529.45       | H   | 48.2              | -----             | 13.4          | 61.6                | -----               | -----                  | 74.0                | -----               | 12.4           | -----          |
| 16 562.36       | H   | -----             | 35.8              | 13.5          | -----               | 49.3                | 0.5                    | -----               | 54.0                | -----          | 4.2            |
| 16 532.19       | V   | 52.8              | -----             | 13.4          | 66.2                | -----               | -----                  | 74.0                | -----               | 7.8            | -----          |
| 16 534.18       | V   | -----             | 36.4              | 13.4          | -----               | 49.8                | 0.5                    | -----               | 54.0                | -----          | 3.7            |

Ch.118(5 590 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 206.99       | H   | 46.5              | -----             | 7.9           | 54.4                | -----               | -----                  | 74.0                | -----               | 19.6           | -----          |
| 11 172.57       | H   | -----             | 34.7              | 7.9           | -----               | 42.6                | 0.5                    | -----               | 54.0                | -----          | 10.9           |
| 11 187.25       | V   | 50.5              | -----             | 7.9           | 58.4                | -----               | -----                  | 74.0                | -----               | 15.6           | -----          |
| 11 180.84       | V   | -----             | 34.8              | 7.9           | -----               | 42.7                | 0.5                    | -----               | 54.0                | -----          | 10.8           |
| 16 813.48       | H   | 46.3              | -----             | 14.3          | 60.6                | -----               | -----                  | 74.0                | -----               | 13.4           | -----          |
| 16 757.37       | H   | -----             | 35.3              | 14.2          | -----               | 49.5                | 0.5                    | -----               | 54.0                | -----          | 4.0            |
| 16 763.11       | V   | 49.2              | -----             | 14.2          | 63.4                | -----               | -----                  | 74.0                | -----               | 10.6           | -----          |
| 16 805.00       | V   | -----             | 35.5              | 14.3          | -----               | 49.8                | 0.5                    | -----               | 54.0                | -----          | 3.7            |

Ch.142(5 710 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 443.41       | H   | 45.6              | -----             | 8.5           | 54.1                | -----               | -----                  | 74.0                | -----               | 19.9           | -----          |
| 11 451.51       | H   | -----             | 34.2              | 8.5           | -----               | 42.7                | 0.5                    | -----               | 54.0                | -----          | 10.8           |
| 11 411.52       | V   | 48.1              | -----             | 8.5           | 56.6                | -----               | -----                  | 74.0                | -----               | 17.4           | -----          |
| 11 441.39       | V   | -----             | 34.4              | 8.5           | -----               | 42.9                | 0.5                    | -----               | 54.0                | -----          | 10.6           |
| 17 144.90       | H   | 47.1              | -----             | 14.2          | 61.3                | -----               | -----                  | 74.0                | -----               | 12.7           | -----          |
| 17 124.95       | H   | 49.2              | 35.0              | 14.3          | 63.5                | 49.3                | 0.5                    | 74.0                | 54.0                | 10.5           | 4.2            |
| 17 144.40       | V   | -----             | -----             | 14.2          | -----               | -----               | -----                  | -----               | -----               | -----          | -----          |
| 17 091.54       | V   | -----             | 35.1              | 14.4          | -----               | 49.5                | 0.5                    | -----               | 54.0                | -----          | 4.0            |



Ch.151(5 755 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 506.19       | H   | 46.0              | -----             | 8.5           | 54.5                | -----               | -----                  | 74.0                | -----               | 19.5           | -----          |
| 11 524.75       | H   | -----             | 34.8              | 8.6           | -----               | 43.4                | 0.5                    | -----               | 54.0                | -----          | 10.1           |
| 11 521.54       | V   | 48.0              | -----             | 8.6           | 56.6                | -----               | -----                  | 74.0                | -----               | 17.4           | -----          |
| 11 520.53       | V   | -----             | 34.8              | 8.5           | -----               | 43.3                | 0.5                    | -----               | 54.0                | -----          | 10.2           |
| 17 234.68       | H   | 46.7              | -----             | 14.0          | 60.7                | -----               | -----                  | 74.0                | -----               | 13.3           | -----          |
| 17 292.53       | H   | -----             | 35.3              | 13.8          | -----               | 49.1                | 0.5                    | -----               | 54.0                | -----          | 4.4            |
| 17 265.10       | V   | 49.0              | -----             | 13.9          | 62.9                | -----               | -----                  | 74.0                | -----               | 11.1           | -----          |
| 17 218.97       | V   | -----             | 35.2              | 14.1          | -----               | 49.3                | 0.5                    | -----               | 54.0                | -----          | 4.2            |

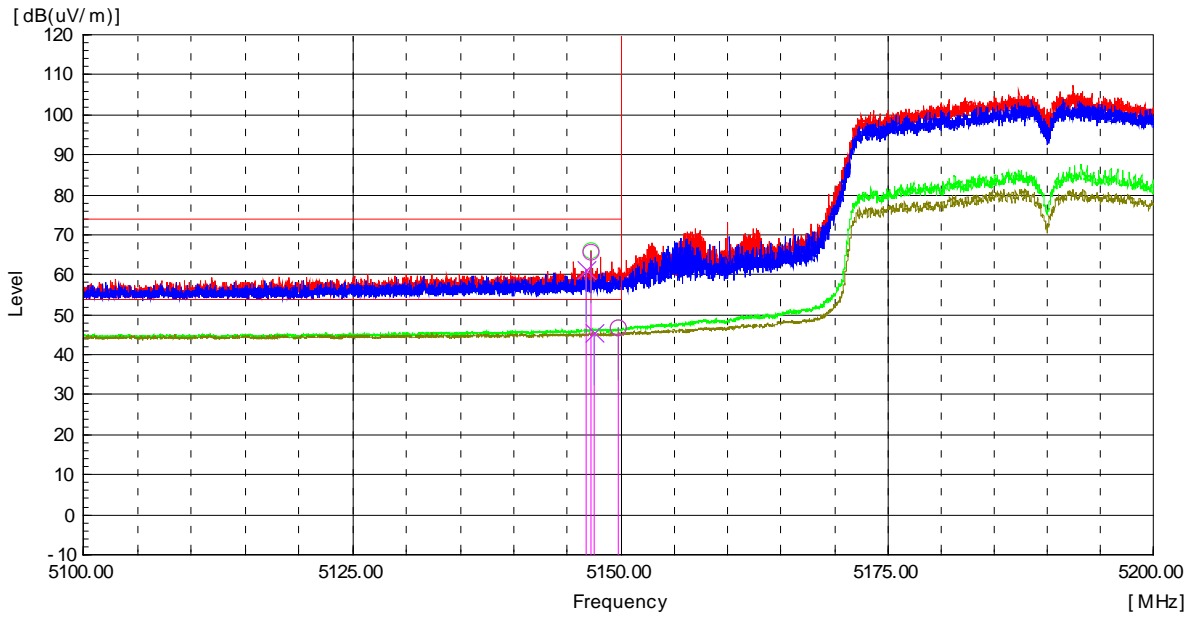
Ch.159(5 795 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 614.02       | H   | 46.8              | -----             | 8.5           | 55.3                | -----               | -----                  | 74.0                | -----               | 18.7           | -----          |
| 11 565.08       | H   | -----             | 34.8              | 8.5           | -----               | 43.3                | 0.5                    | -----               | 54.0                | -----          | 10.2           |
| 11 596.81       | V   | 48.5              | -----             | 8.5           | 57.0                | -----               | -----                  | 74.0                | -----               | 17.0           | -----          |
| 11 599.51       | V   | -----             | 34.7              | 8.5           | -----               | 43.2                | 0.5                    | -----               | 54.0                | -----          | 10.3           |
| 17 356.87       | H   | 47.1              | -----             | 13.8          | 60.9                | -----               | -----                  | 74.0                | -----               | 13.1           | -----          |
| 17 415.47       | H   | -----             | 35.5              | 13.8          | -----               | 49.3                | 0.5                    | -----               | 54.0                | -----          | 4.2            |
| 17 391.78       | V   | 49.0              | -----             | 13.8          | 62.8                | -----               | -----                  | 74.0                | -----               | 11.2           | -----          |
| 17 377.57       | V   | -----             | 35.6              | 13.8          | -----               | 49.4                | 0.5                    | -----               | 54.0                | -----          | 4.1            |

**Remarks**

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(Z axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)  
 Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT40 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 190 MHz      |
| Channel :                  | 38             |

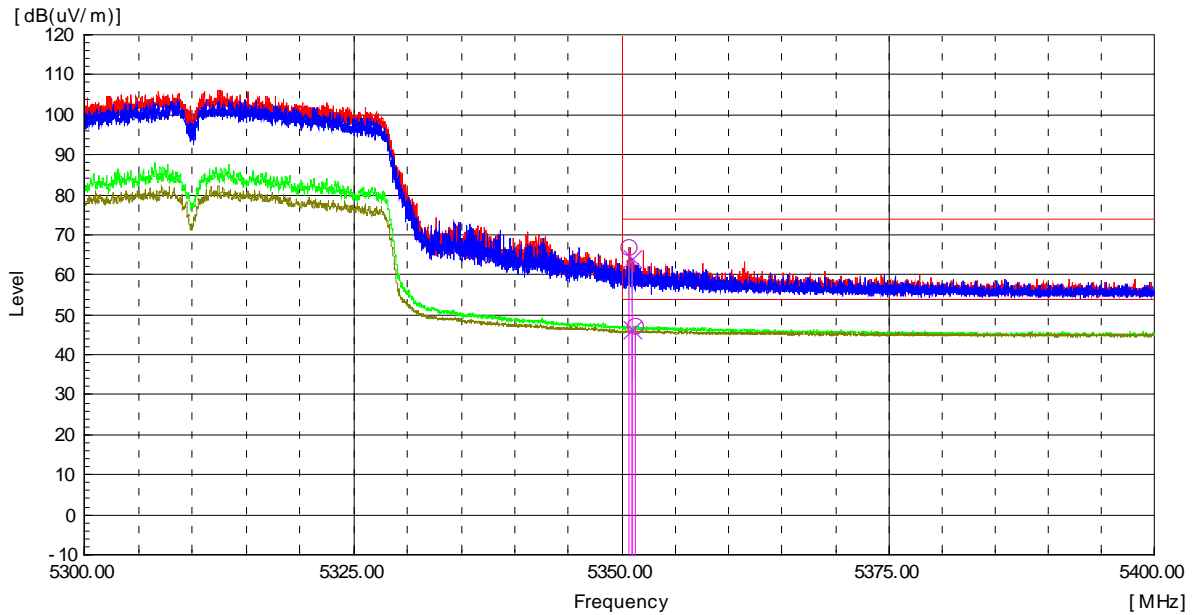


| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 147.18        | H   | 64.4              | -----             | 1.4           | 65.8                | -----               | -----                  | 74.0                | -----               | 8.2            | -----          |
| 5 149.80        | H   | -----             | 45.3              | 1.4           | -----               | 46.7                | 0.5                    | -----               | 54.0                | -----          | 6.8            |
| 5 146.79        | V   | 59.8              | -----             | 1.4           | 61.2                | -----               | -----                  | 74.0                | -----               | 12.8           | -----          |
| 5 147.58        | V   | -----             | 44.2              | 1.4           | -----               | 45.6                | 0.5                    | -----               | 54.0                | -----          | 7.9            |

Radiated Restricted Band Edge Plot



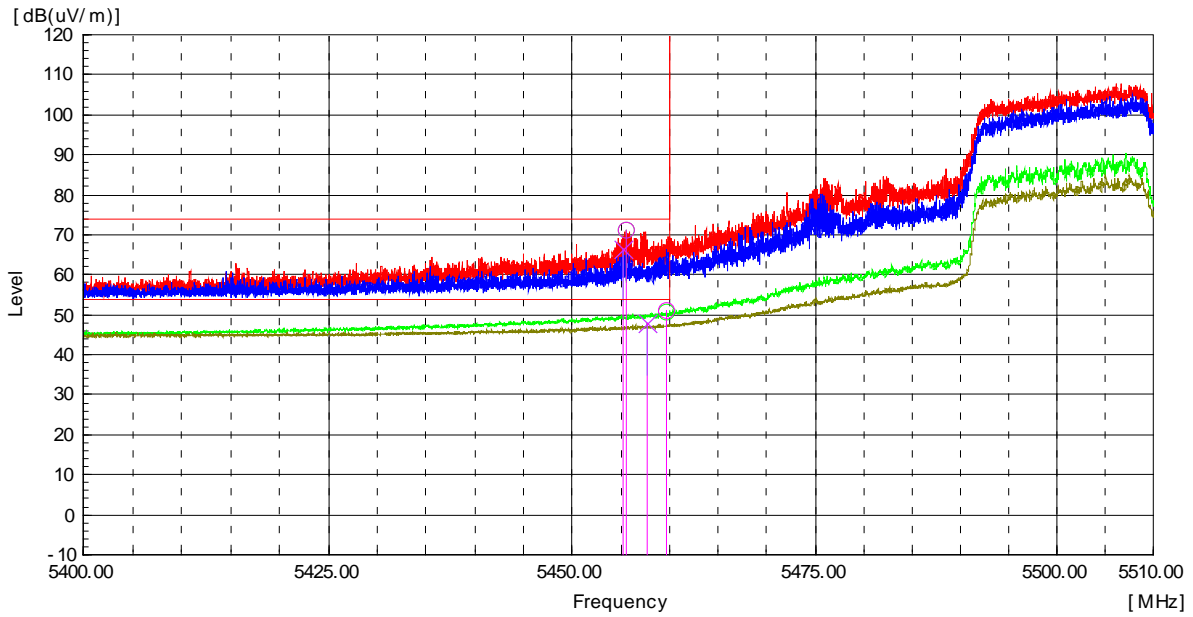
|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT40 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 310 MHz      |
| Channel :                  | 62             |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 350.63        | H   | 64.9              | -----             | 2.1           | 67.0                | -----               | -----                  | 74.0                | -----               | 7.0            | -----          |
| 5 351.20        | H   | -----             | 45.2              | 2.1           | -----               | 47.3                | 0.5                    | -----               | 54.0                | -----          | 6.2            |
| 5 351.01        | V   | 62.1              | -----             | 2.1           | 64.2                | -----               | -----                  | 74.0                | -----               | 9.8            | -----          |
| 5 350.91        | V   | -----             | 44.2              | 2.1           | -----               | 46.3                | 0.5                    | -----               | 54.0                | -----          | 7.2            |

Radiated Restricted Band Edge Plot

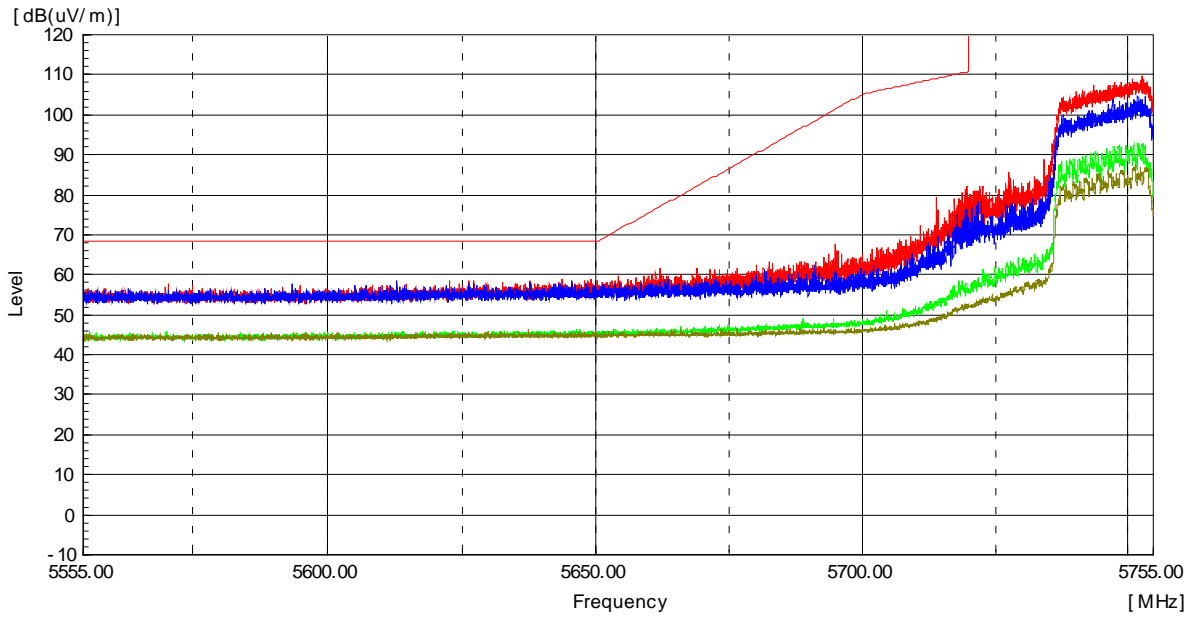
|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT40 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 510 MHz      |
| Channel :                  | 102            |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 455.61        | H   | 69.1              | -----             | 2.0           | 71.1                | -----               | -----                  | 74.0                | -----               | 2.9            | -----          |
| 5 459.74        | H   | -----             | 48.9              | 2.0           | -----               | 50.9                | 0.5                    | -----               | 54.0                | -----          | 2.6            |
| 5 455.17        | V   | 64.6              | -----             | 2.0           | 66.6                | -----               | -----                  | 74.0                | -----               | 7.4            | -----          |
| 5 457.68        | V   | -----             | 45.9              | 2.0           | -----               | 47.9                | 0.5                    | -----               | 54.0                | -----          | 5.6            |

Radiated Restricted Band Edge Plot

|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT40 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 755 MHz      |
| Channel :                  | 151            |

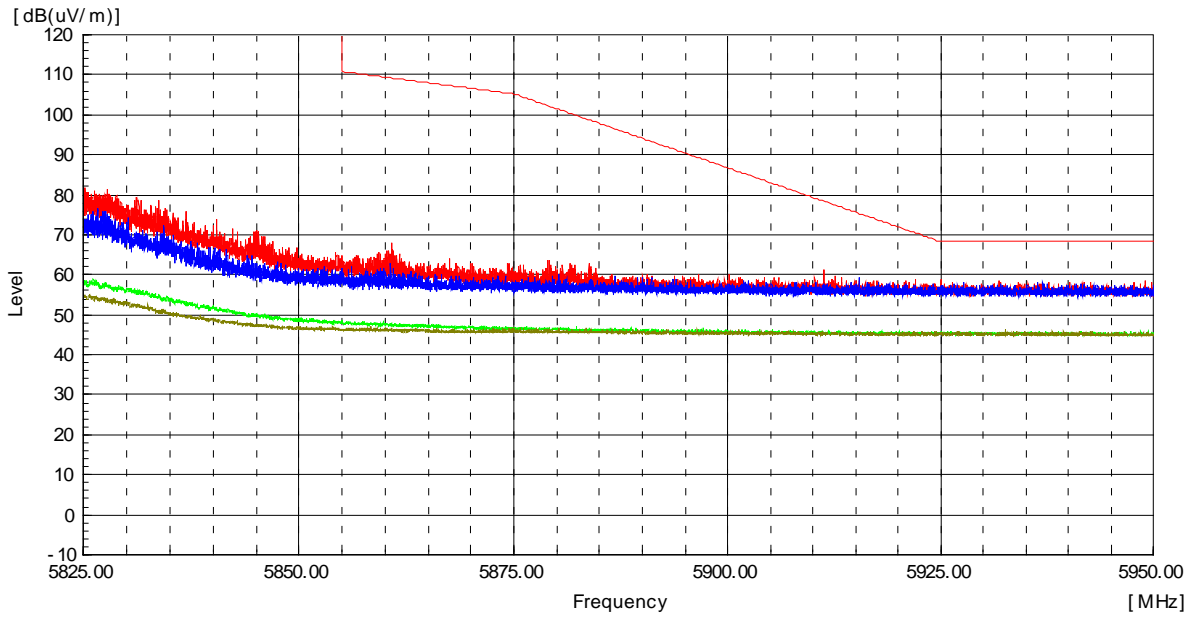


| Frequency [MHz] | Reading (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot

|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT40 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 795 MHz      |
| Channel :                  | 159            |



| Frequency [MHz] | Reading (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot



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Report No.:  
 CTK-2021-03422  
 Page (331) / (373) Pages

**Test mode : Transmitter, 802.11ax\_HE40\_SU**

The requirements are:

Complies

**Test Data**

**Ch.38(5 190 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 386.87       | H   | 46.5              | -----             | 6.7           | 53.2                | -----               | -----                  | 74.0                | -----               | 20.8           | -----          |
| 10 387.38       | H   | -----             | 34.5              | 6.7           | -----               | 41.2                | 0.5                    | -----               | 54.0                | -----          | 12.3           |
| 10 386.70       | V   | 49.6              | -----             | 6.7           | 56.3                | -----               | -----                  | 74.0                | -----               | 17.7           | -----          |
| 10 398.68       | V   | -----             | 34.6              | 6.7           | -----               | 41.3                | 0.5                    | -----               | 54.0                | -----          | 12.2           |

**Ch.46(5 230 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 474.11       | H   | 46.3              | -----             | 6.9           | 53.2                | -----               | -----                  | 74.0                | -----               | 20.8           | -----          |
| 10 469.72       | H   | -----             | 34.5              | 6.9           | -----               | 41.4                | 0.5                    | -----               | 54.0                | -----          | 12.1           |
| 10 456.56       | V   | 51.4              | -----             | 6.9           | 58.3                | -----               | -----                  | 74.0                | -----               | 15.7           | -----          |
| 10 475.97       | V   | -----             | 34.6              | 6.9           | -----               | 41.5                | 0.5                    | -----               | 54.0                | -----          | 12.0           |

**Ch.54(5 270 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 544.14       | H   | 45.8              | -----             | 7.1           | 52.9                | -----               | -----                  | 74.0                | -----               | 21.1           | -----          |
| 10 536.38       | H   | -----             | 34.3              | 7.1           | -----               | 41.4                | 0.5                    | -----               | 54.0                | -----          | 12.1           |
| 10 547.35       | V   | 51.5              | -----             | 7.1           | 58.6                | -----               | -----                  | 74.0                | -----               | 15.4           | -----          |
| 10 547.01       | V   | -----             | 35.1              | 7.1           | -----               | 42.2                | 0.5                    | -----               | 54.0                | -----          | 11.3           |

**Ch.62(5 310 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 640.33       | H   | 46.0              | -----             | 7.2           | 53.2                | -----               | -----                  | 74.0                | -----               | 20.8           | -----          |
| 10 618.39       | H   | -----             | 34.6              | 7.2           | -----               | 41.8                | 0.5                    | -----               | 54.0                | -----          | 11.7           |
| 10 626.16       | V   | 52.3              | -----             | 7.2           | 59.5                | -----               | -----                  | 74.0                | -----               | 14.5           | -----          |
| 10 616.88       | V   | -----             | 35.5              | 7.2           | -----               | 42.7                | 0.5                    | -----               | 54.0                | -----          | 10.8           |



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Report No.:  
 CTK-2021-03422  
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Ch.102(5 510 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 027.11       | H   | 49.2              | -----             | 7.7           | 56.9                | -----               | -----                  | 74.0                | -----               | 17.1           | -----          |
| 11 010.57       | H   | -----             | 34.9              | 7.7           | -----               | 42.6                | 0.5                    | -----               | 54.0                | -----          | 10.9           |
| 11 008.88       | V   | 52.8              | -----             | 7.6           | 60.4                | -----               | -----                  | 74.0                | -----               | 13.6           | -----          |
| 11 031.16       | V   | -----             | 35.8              | 7.8           | -----               | 43.6                | 0.5                    | -----               | 54.0                | -----          | 9.9            |
| 16 532.69       | H   | 48.5              | -----             | 13.4          | 61.9                | -----               | -----                  | 74.0                | -----               | 12.1           | -----          |
| 16 540.42       | H   | -----             | 36.2              | 13.4          | -----               | 49.6                | 0.5                    | -----               | 54.0                | -----          | 3.9            |
| 16 530.94       | V   | 50.5              | -----             | 13.4          | 63.9                | -----               | -----                  | 74.0                | -----               | 10.1           | -----          |
| 16 530.69       | V   | -----             | 36.3              | 13.4          | -----               | 49.7                | 0.5                    | -----               | 54.0                | -----          | 3.8            |

Ch.118(5 590 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 179.32       | H   | 46.4              | -----             | 7.9           | 54.3                | -----               | -----                  | 74.0                | -----               | 19.7           | -----          |
| 11 157.89       | H   | -----             | 34.9              | 7.9           | -----               | 42.8                | 0.5                    | -----               | 54.0                | -----          | 10.7           |
| 11 187.08       | V   | 49.4              | -----             | 7.9           | 57.3                | -----               | -----                  | 74.0                | -----               | 16.7           | -----          |
| 11 215.60       | V   | -----             | 34.6              | 7.9           | -----               | 42.5                | 0.5                    | -----               | 54.0                | -----          | 11.0           |
| 16 779.57       | H   | 46.9              | -----             | 14.2          | 61.1                | -----               | -----                  | 74.0                | -----               | 12.9           | -----          |
| 16 793.03       | H   | -----             | 35.1              | 14.3          | -----               | 49.4                | 0.5                    | -----               | 54.0                | -----          | 4.1            |
| 16 766.60       | V   | 49.0              | -----             | 14.2          | 63.2                | -----               | -----                  | 74.0                | -----               | 10.8           | -----          |
| 16 809.24       | V   | -----             | 35.2              | 14.3          | -----               | 49.5                | 0.5                    | -----               | 54.0                | -----          | 4.0            |

Ch.142(5 710 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 430.25       | H   | 46.4              | -----             | 8.5           | 54.9                | -----               | -----                  | 74.0                | -----               | 19.1           | -----          |
| 11 454.55       | H   | -----             | 34.3              | 8.5           | -----               | 42.8                | 0.5                    | -----               | 54.0                | -----          | 10.7           |
| 11 416.08       | V   | 49.0              | -----             | 8.5           | 57.5                | -----               | -----                  | 74.0                | -----               | 16.5           | -----          |
| 11 400.21       | V   | -----             | 34.3              | 8.5           | -----               | 42.8                | 0.5                    | -----               | 54.0                | -----          | 10.7           |
| 17 124.45       | H   | 46.6              | -----             | 14.3          | 60.9                | -----               | -----                  | 74.0                | -----               | 13.1           | -----          |
| 17 082.31       | H   | -----             | 35.4              | 14.4          | -----               | 49.8                | 0.5                    | -----               | 54.0                | -----          | 3.7            |
| 17 130.44       | V   | 49.0              | -----             | 14.3          | 63.3                | -----               | -----                  | 74.0                | -----               | 10.7           | -----          |
| 17 092.78       | V   | -----             | 35.0              | 14.4          | -----               | 49.4                | 0.5                    | -----               | 54.0                | -----          | 4.1            |

Ch.151(5 755 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 502.14       | H   | 46.9              | -----             | 8.5           | 55.4                | -----               | -----                  | 74.0                | -----               | 18.6           | -----          |
| 11 525.09       | H   | -----             | 35.3              | 8.6           | -----               | 43.9                | 0.5                    | -----               | 54.0                | -----          | 9.6            |
| 11 516.82       | V   | 48.7              | -----             | 8.5           | 57.2                | -----               | -----                  | 74.0                | -----               | 16.8           | -----          |
| 11 540.95       | V   | -----             | 34.8              | 8.6           | -----               | 43.4                | 0.5                    | -----               | 54.0                | -----          | 10.1           |
| 17 278.57       | H   | 46.8              | -----             | 13.8          | 60.6                | -----               | -----                  | 74.0                | -----               | 13.4           | -----          |
| 17 224.45       | H   | -----             | 35.4              | 14.1          | -----               | 49.5                | 0.5                    | -----               | 54.0                | -----          | 4.0            |
| 17 263.85       | V   | 49.5              | -----             | 13.9          | 63.4                | -----               | -----                  | 74.0                | -----               | 10.6           | -----          |
| 17 219.72       | V   | -----             | 35.3              | 14.1          | -----               | 49.4                | 0.5                    | -----               | 54.0                | -----          | 4.1            |

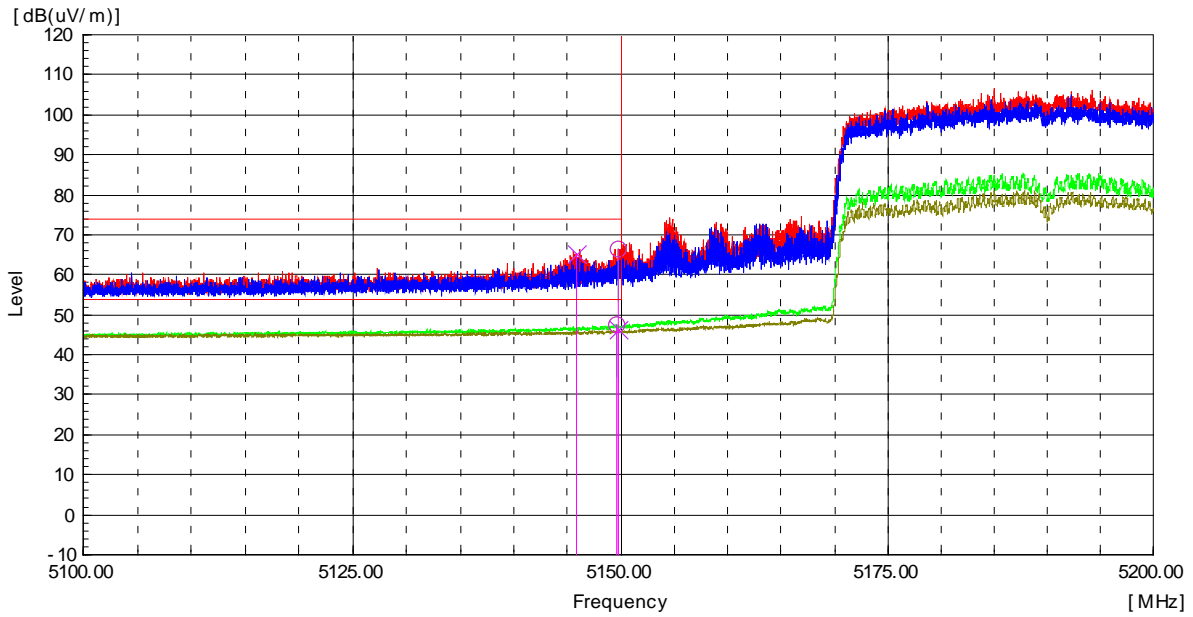
Ch.159(5 795 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 590.90       | H   | 45.9              | -----             | 8.5           | 54.4                | -----               | -----                  | 74.0                | -----               | 19.6           | -----          |
| 11 585.67       | H   | -----             | 34.7              | 8.5           | -----               | 43.2                | 0.5                    | -----               | 54.0                | -----          | 10.3           |
| 11 601.36       | V   | 48.4              | -----             | 8.5           | 56.9                | -----               | -----                  | 74.0                | -----               | 17.1           | -----          |
| 11 590.56       | V   | -----             | 35.0              | 8.5           | -----               | 43.5                | 0.5                    | -----               | 54.0                | -----          | 10.0           |
| 17 410.24       | H   | 47.1              | -----             | 13.8          | 60.9                | -----               | -----                  | 74.0                | -----               | 13.1           | -----          |
| 17 354.88       | H   | -----             | 35.3              | 13.8          | -----               | 49.1                | 0.5                    | -----               | 54.0                | -----          | 4.4            |
| 17 387.79       | V   | 50.1              | -----             | 13.8          | 63.9                | -----               | -----                  | 74.0                | -----               | 10.1           | -----          |
| 17 375.82       | V   | -----             | 35.6              | 13.8          | -----               | 49.4                | 0.5                    | -----               | 54.0                | -----          | 4.1            |

**Remarks**

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(Z axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)  
Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

|                            |                  |
|----------------------------|------------------|
| Worst Case Mode :          | 802.11ax_HE40_SU |
| Worst Case Transfer Rate : | MCS 0            |
| Distance of Measurements : | 3 Meters         |
| Operating Frequency :      | 5 190 MHz        |
| Channel :                  | 38               |

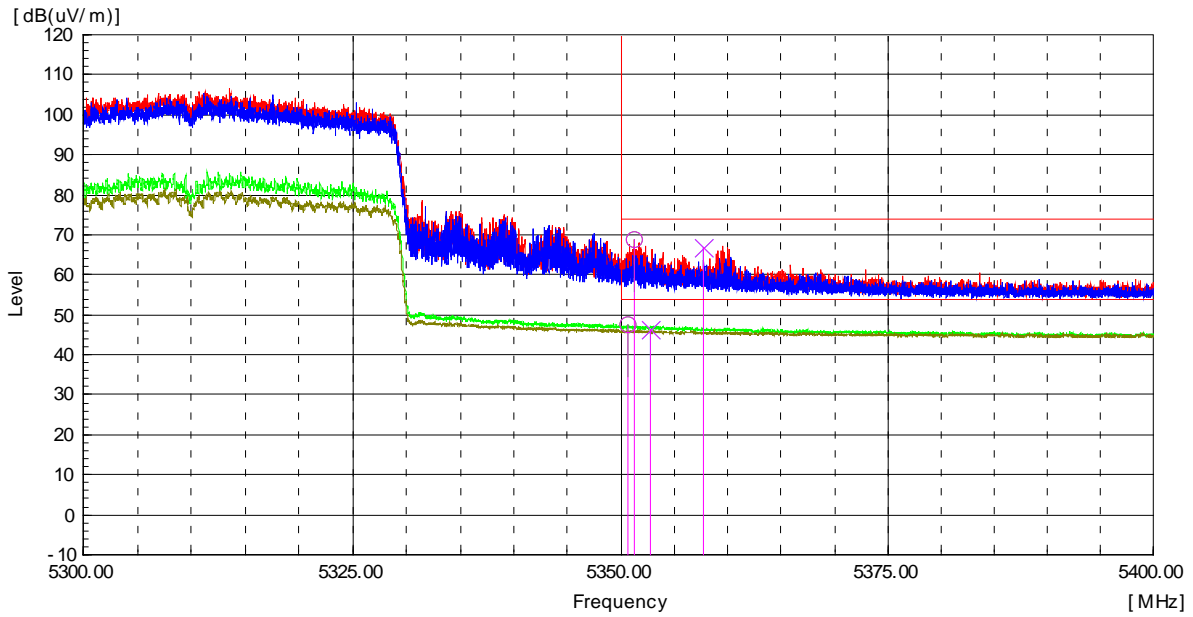


| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 149.80        | H   | 65.2              | -----             | 1.4           | 66.6                | -----               | -----                  | 74.0                | -----               | 7.4            | -----          |
| 5 149.55        | H   | -----             | 46.1              | 1.4           | -----               | 47.5                | 0.5                    | -----               | 54.0                | -----          | 6.0            |
| 5 145.80        | V   | 63.8              | -----             | 1.4           | 65.2                | -----               | -----                  | 74.0                | -----               | 8.8            | -----          |
| 5 149.74        | V   | -----             | 44.9              | 1.4           | -----               | 46.3                | 0.5                    | -----               | 54.0                | -----          | 7.2            |

Radiated Restricted Band Edge Plot



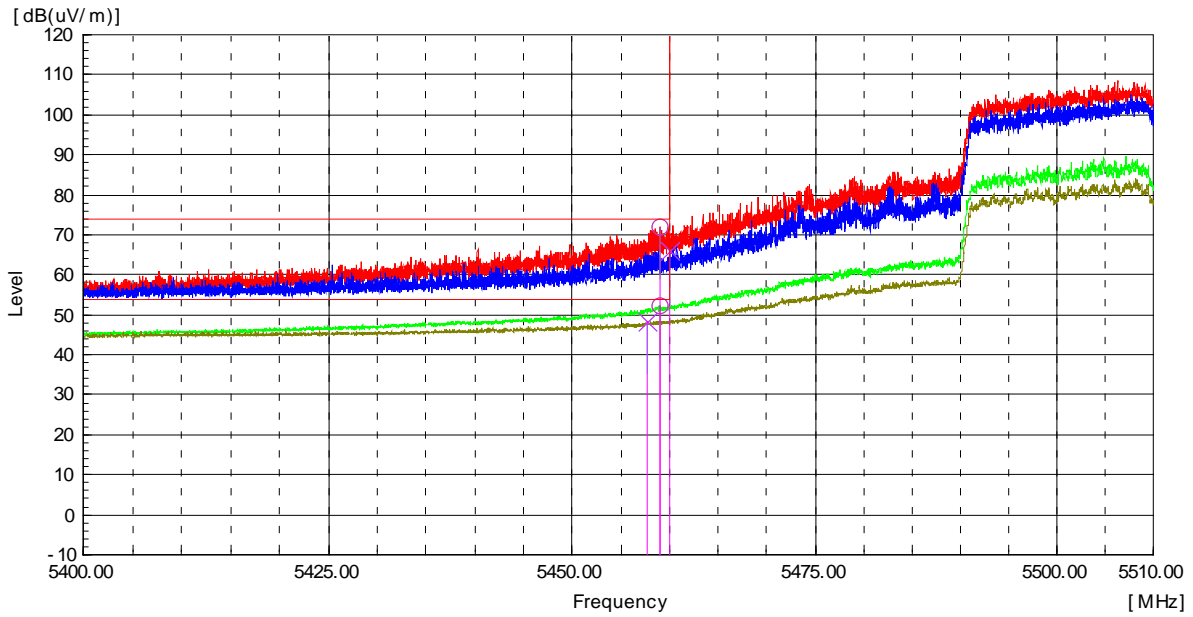
|                            |                  |
|----------------------------|------------------|
| Worst Case Mode :          | 802.11ax_HE40_SU |
| Worst Case Transfer Rate : | MCS 0            |
| Distance of Measurements : | 3 Meters         |
| Operating Frequency :      | 5 310 MHz        |
| Channel :                  | 62               |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 351.26        | H   | 66.6              | -----             | 2.1           | 68.7                | -----               | -----                  | 74.0                | -----               | 5.3            | -----          |
| 5 350.65        | H   | -----             | 45.3              | 2.1           | -----               | 47.4                | 0.5                    | -----               | 54.0                | -----          | 6.1            |
| 5 357.76        | V   | 64.7              | -----             | 2.1           | 66.8                | -----               | -----                  | 74.0                | -----               | 7.2            | -----          |
| 5 352.74        | V   | -----             | 44.3              | 2.1           | -----               | 46.4                | 0.5                    | -----               | 54.0                | -----          | 7.1            |

Radiated Restricted Band Edge Plot

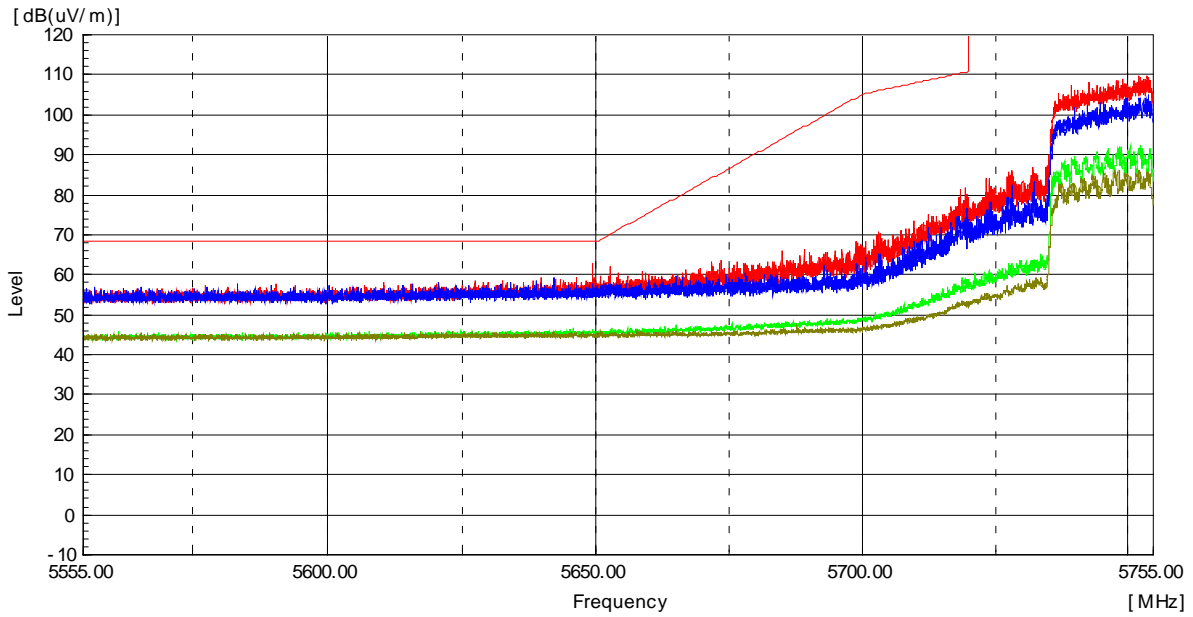
|                            |                  |
|----------------------------|------------------|
| Worst Case Mode :          | 802.11ax_HE40_SU |
| Worst Case Transfer Rate : | MCS 0            |
| Distance of Measurements : | 3 Meters         |
| Operating Frequency :      | 5 510 MHz        |
| Channel :                  | 102              |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 459.03        | H   | 70.1              | -----             | 2.0           | 72.1                | -----               | -----                  | 74.0                | -----               | 1.9            | -----          |
| 5 458.95        | H   | -----             | 50.3              | 2.0           | -----               | 52.3                | 0.5                    | -----               | 54.0                | -----          | 1.2            |
| 5 459.96        | V   | 64.0              | -----             | 2.0           | 66.0                | -----               | -----                  | 74.0                | -----               | 8.0            | -----          |
| 5 457.75        | V   | -----             | 46.4              | 2.0           | -----               | 48.4                | 0.5                    | -----               | 54.0                | -----          | 5.1            |

Radiated Restricted Band Edge Plot

|                            |                  |
|----------------------------|------------------|
| Worst Case Mode :          | 802.11ax_HE40_SU |
| Worst Case Transfer Rate : | MCS 0            |
| Distance of Measurements : | 3 Meters         |
| Operating Frequency :      | 5 755 MHz        |
| Channel :                  | 151              |



| Frequency<br>[MHz] | Reading<br>PK<br>[dBuV]<br>(P) | Reading<br>AV<br>[dBuV] | c.f<br>[dB(1/m)] | Level PK<br>[dB(uV/m)] | Level AV<br>[dB(uV/m)] | Duty<br>Cycle<br>Factor<br>[dB] | Limit PK<br>[dB(uV/m)] | Limit AV<br>[dB(uV/m)] | Margin<br>PK<br>[dB] | Margin<br>AV<br>[dB] |
|--------------------|--------------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|
|--------------------|--------------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|

The emissions above 1 GHz were 20 dB lower than the limit.

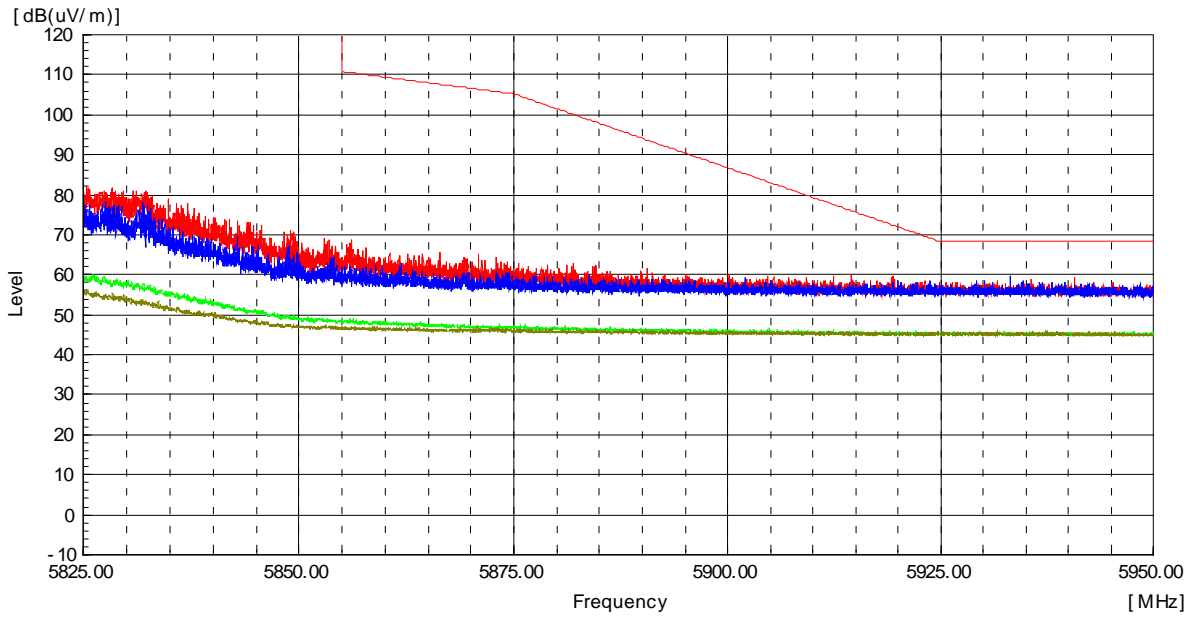
### Radiated Restricted Band Edge Plot



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|                            |                  |
|----------------------------|------------------|
| Worst Case Mode :          | 802.11ax_HE40_SU |
| Worst Case Transfer Rate : | MCS 0            |
| Distance of Measurements : | 3 Meters         |
| Operating Frequency :      | 5 795 MHz        |
| Channel :                  | 159              |



| Frequency [MHz] | Reading (P) PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-----------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot



**Test mode : Transmitter, 802.11ax\_HE40\_26T**

The requirements are:

Complies

**Test Data**

**Ch.38(5 190 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 383.13       | H   | 50.4              | -----             | 7.3           | 57.7                | -----               | -----                  | 74.0                | -----               | 16.3           | -----          |
| 10 382.25       | H   | -----             | 35.9              | 7.3           | -----               | 43.4                | 0.2                    | -----               | 54.0                | -----          | 10.6           |
| 10 380.50       | V   | 46.5              | -----             | 7.3           | 53.8                | -----               | -----                  | 74.0                | -----               | 20.2           | -----          |
| 10 382.78       | V   | -----             | 34.4              | 7.3           | -----               | 41.9                | 0.2                    | -----               | 54.0                | -----          | 12.1           |

**Ch.46(5 230 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 463.10       | H   | 50.0              | -----             | 7.1           | 57.1                | -----               | -----                  | 74.0                | -----               | 16.9           | -----          |
| 10 462.75       | H   | -----             | 36.3              | 7.1           | -----               | 43.6                | 0.2                    | -----               | 54.0                | -----          | 10.4           |
| 10 462.40       | V   | 45.5              | -----             | 7.0           | 52.5                | -----               | -----                  | 74.0                | -----               | 21.5           | -----          |
| 10 457.33       | V   | -----             | 34.0              | 7.0           | -----               | 41.2                | 0.2                    | -----               | 54.0                | -----          | 12.8           |

**Ch.54(5 270 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 542.03       | H   | 55.2              | -----             | 7.5           | 62.7                | -----               | -----                  | 74.0                | -----               | 11.3           | -----          |
| 10 542.20       | H   | -----             | 41.4              | 7.5           | -----               | 49.1                | 0.2                    | -----               | 54.0                | -----          | 4.9            |
| 10 542.55       | V   | 48.6              | -----             | 7.5           | 56.1                | -----               | -----                  | 74.0                | -----               | 17.9           | -----          |
| 10 542.55       | V   | -----             | 34.9              | 7.5           | -----               | 42.6                | 0.2                    | -----               | 54.0                | -----          | 11.4           |

**Ch.62(5 310 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 622.17       | H   | 55.3              | -----             | 7.4           | 62.7                | -----               | -----                  | 74.0                | -----               | 11.3           | -----          |
| 10 622.35       | H   | -----             | 42.2              | 7.4           | -----               | 49.8                | 0.2                    | -----               | 54.0                | -----          | 4.2            |
| 10 622.88       | V   | 46.4              | -----             | 7.4           | 53.8                | -----               | -----                  | 74.0                | -----               | 20.2           | -----          |
| 10 621.65       | V   | -----             | 35.2              | 7.4           | -----               | 42.8                | 0.2                    | -----               | 54.0                | -----          | 11.2           |



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Ch.102(5 510 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 021.35       | H   | 50.2              | -----             | 7.9           | 58.1                | -----               | -----                  | 74.0                | -----               | 15.9           | -----          |
| 11 022.92       | H   | -----             | 38.6              | 7.9           | -----               | 46.7                | 0.2                    | -----               | 54.0                | -----          | 7.3            |
| 11 022.58       | V   | 45.6              | -----             | 7.9           | 53.5                | -----               | -----                  | 74.0                | -----               | 20.5           | -----          |
| 11 022.40       | V   | -----             | 34.7              | 7.9           | -----               | 42.8                | 0.2                    | -----               | 54.0                | -----          | 11.2           |

Ch.118(5 590 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 181.83       | H   | 51.2              | -----             | 8.2           | 59.4                | -----               | -----                  | 74.0                | -----               | 14.6           | -----          |
| 11 181.65       | H   | -----             | 38.3              | 8.2           | -----               | 46.7                | 0.2                    | -----               | 54.0                | -----          | 7.3            |
| 11 182.88       | V   | 46.7              | -----             | 8.2           | 54.9                | -----               | -----                  | 74.0                | -----               | 19.1           | -----          |
| 11 182.53       | V   | -----             | 34.9              | 8.2           | -----               | 43.3                | 0.2                    | -----               | 54.0                | -----          | 10.7           |

Ch.142(5 710 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 423.15       | H   | 49.3              | -----             | 8.8           | 58.1                | -----               | -----                  | 74.0                | -----               | 15.9           | -----          |
| 11 422.28       | H   | -----             | 38.0              | 8.8           | -----               | 47.0                | 0.2                    | -----               | 54.0                | -----          | 7.0            |
| 11 420.70       | V   | 46.5              | -----             | 8.8           | 55.3                | -----               | -----                  | 74.0                | -----               | 18.7           | -----          |
| 11 422.45       | V   | -----             | 34.1              | 8.8           | -----               | 43.1                | 0.2                    | -----               | 54.0                | -----          | 10.9           |

Ch.151(5 755 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 512.05       | H   | 51.0              | -----             | 8.5           | 59.5                | -----               | -----                  | 74.0                | -----               | 14.5           | -----          |
| 11 512.40       | H   | -----             | 39.4              | 8.5           | -----               | 48.1                | 0.2                    | -----               | 54.0                | -----          | 5.9            |
| 11 512.40       | V   | 46.7              | -----             | 8.5           | 55.2                | -----               | -----                  | 74.0                | -----               | 18.8           | -----          |
| 11 512.75       | V   | -----             | 35.6              | 8.5           | -----               | 44.3                | 0.2                    | -----               | 54.0                | -----          | 9.7            |



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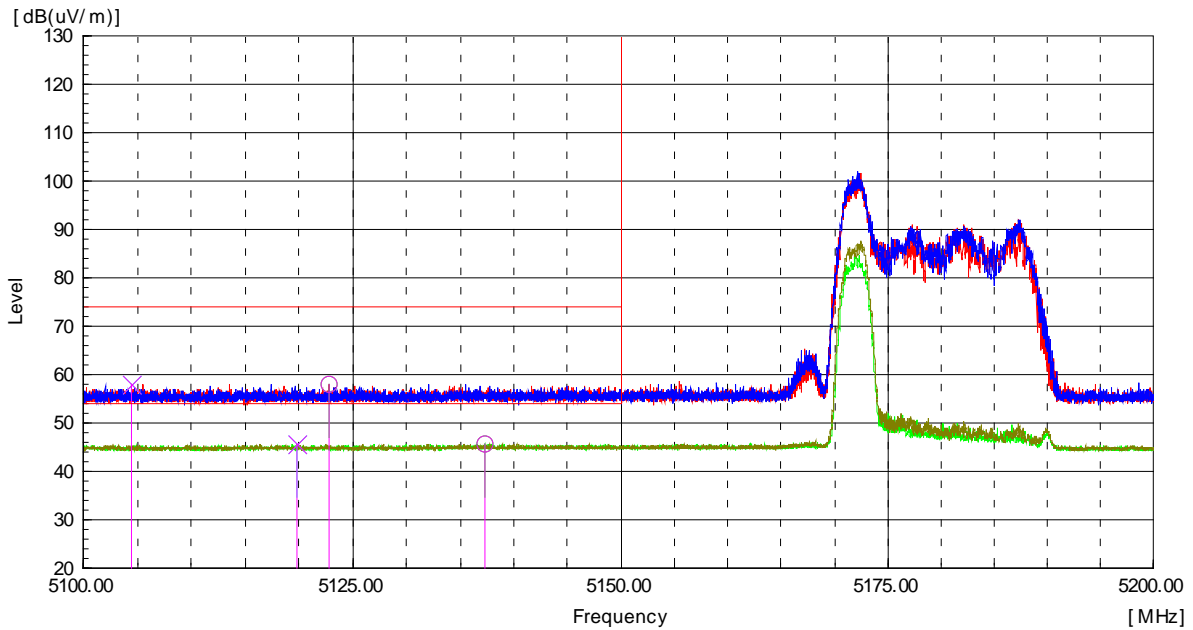
Ch.159(5 795 MHz)

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 592.03       | H   | 49.9              | -----             | 8.7           | 58.6                | -----               | -----                  | 74.0                | -----               | 15.4           | -----          |
| 11 593.08       | H   | -----             | 38.2              | 8.7           | -----               | 47.1                | 0.2                    | -----               | 54.0                | -----          | 6.9            |
| 11 592.72       | V   | 45.5              | -----             | 8.7           | 54.2                | -----               | -----                  | 74.0                | -----               | 19.8           | -----          |
| 11 587.13       | V   | -----             | 35.0              | 8.7           | -----               | 43.9                | 0.2                    | -----               | 54.0                | -----          | 10.1           |

**Remarks**

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Z axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)  
 Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

|                            |                   |
|----------------------------|-------------------|
| Worst Case Mode :          | 802.11ax_HE40_26T |
| Worst Case Transfer Rate : | MCS 0             |
| Distance of Measurements : | 3 Meters          |
| Operating Frequency :      | 5 190 MHz         |
| Channel :                  | 38                |

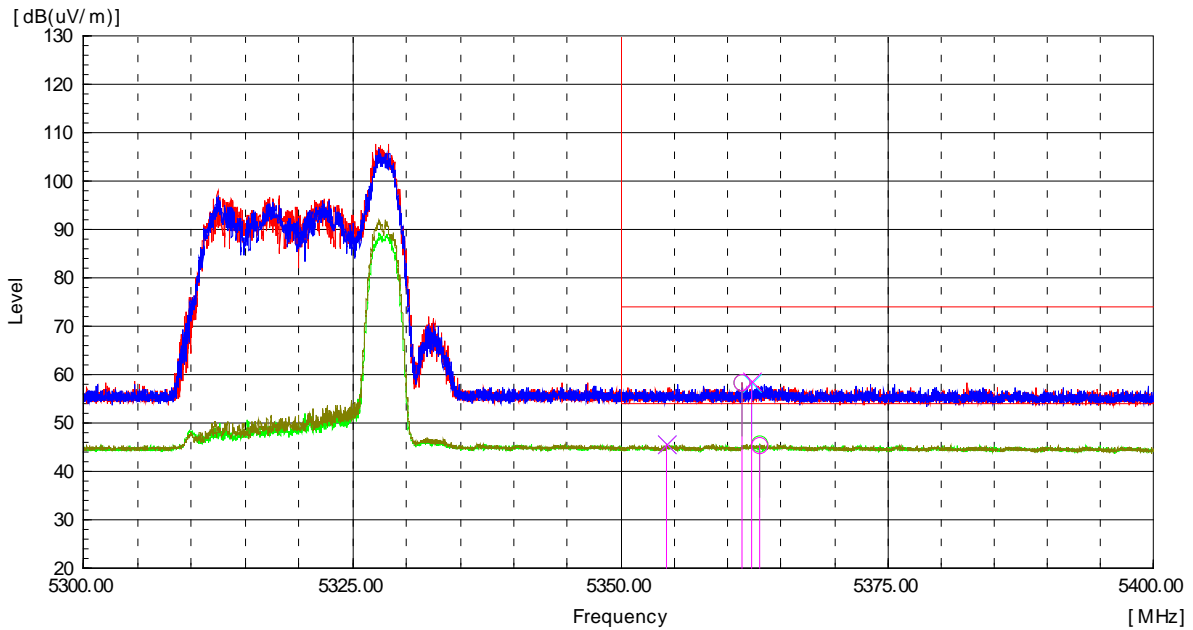


| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 122.78        | H   | 56.2              | -----             | 1.9           | 58.1                | -----               | -----                  | 74.0                | -----               | 15.9           | -----          |
| 5 137.24        | H   | -----             | 43.8              | 2.0           | -----               | 46.0                | 0.2                    | -----               | 54.0                | -----          | 8.0            |
| 5 104.41        | V   | 56.3              | -----             | 1.8           | 58.1                | -----               | -----                  | 74.0                | -----               | 15.9           | -----          |
| 5 119.84        | V   | -----             | 43.9              | 1.9           | -----               | 46.0                | 0.2                    | -----               | 54.0                | -----          | 8.0            |

Radiated Restricted Band Edge Plot



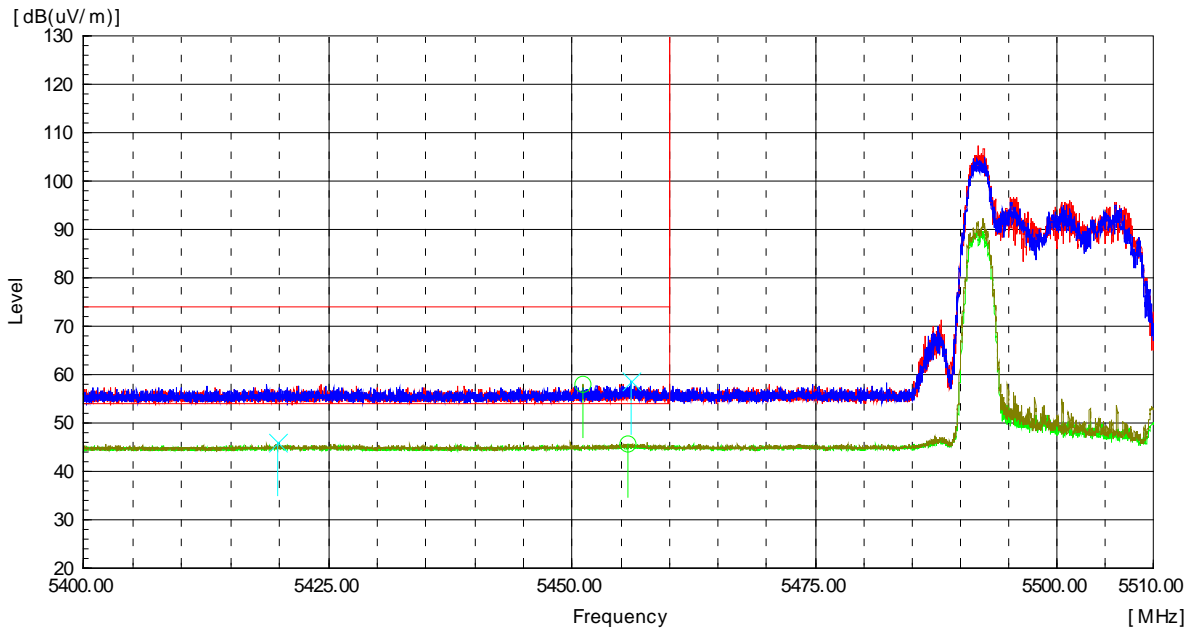
|                            |                   |
|----------------------------|-------------------|
| Worst Case Mode :          | 802.11ax_HE40_26T |
| Worst Case Transfer Rate : | MCS 0             |
| Distance of Measurements : | 3 Meters          |
| Operating Frequency :      | 5 310 MHz         |
| Channel :                  | 62                |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 361.41        | H   | 56.1              | -----             | 2.2           | 58.3                | -----               | -----                  | 74.0                | -----               | 15.7           | -----          |
| 5 363.04        | H   | -----             | 43.3              | 2.2           | -----               | 45.7                | 0.2                    | -----               | 54.0                | -----          | 8.3            |
| 5 362.28        | V   | 56.3              | -----             | 2.2           | 58.5                | -----               | -----                  | 74.0                | -----               | 15.5           | -----          |
| 5 354.24        | V   | -----             | 43.5              | 2.1           | -----               | 45.8                | 0.2                    | -----               | 54.0                | -----          | 8.2            |

Radiated Restricted Band Edge Plot

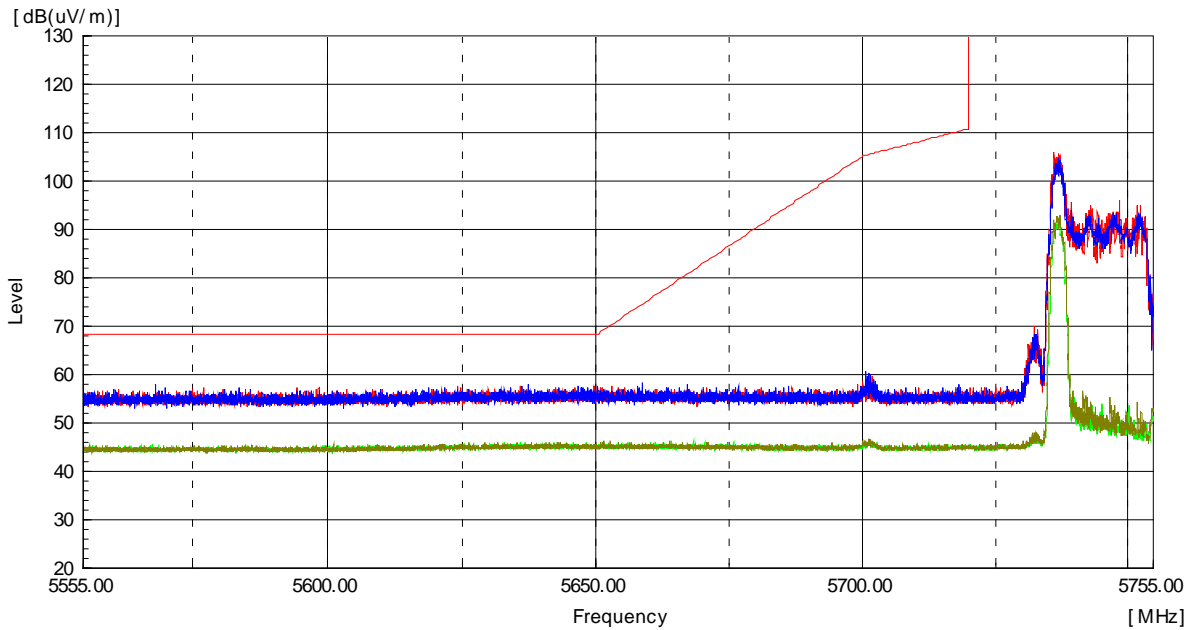
|                            |                   |
|----------------------------|-------------------|
| Worst Case Mode :          | 802.11ax_HE40_26T |
| Worst Case Transfer Rate : | MCS 0             |
| Distance of Measurements : | 3 Meters          |
| Operating Frequency :      | 5 510 MHz         |
| Channel :                  | 102               |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 451.04        | H   | 55.8              | -----             | 2.1           | 57.9                | -----               | -----                  | 74.0                | -----               | 16.1           | -----          |
| 5 455.66        | H   | -----             | 43.6              | 2.1           | -----               | 45.9                | 0.2                    | -----               | 54.0                | -----          | 8.1            |
| 5 456.09        | V   | 56.5              | -----             | 2.1           | 58.6                | -----               | -----                  | 74.0                | -----               | 15.4           | -----          |
| 5 419.86        | V   | -----             | 43.8              | 2.2           | -----               | 46.2                | 0.2                    | -----               | 54.0                | -----          | 7.8            |

Radiated Restricted Band Edge Plot

|                            |                   |
|----------------------------|-------------------|
| Worst Case Mode :          | 802.11ax_HE40_26T |
| Worst Case Transfer Rate : | MCS 0             |
| Distance of Measurements : | 3 Meters          |
| Operating Frequency :      | 5 755 MHz         |
| Channel :                  | 151               |

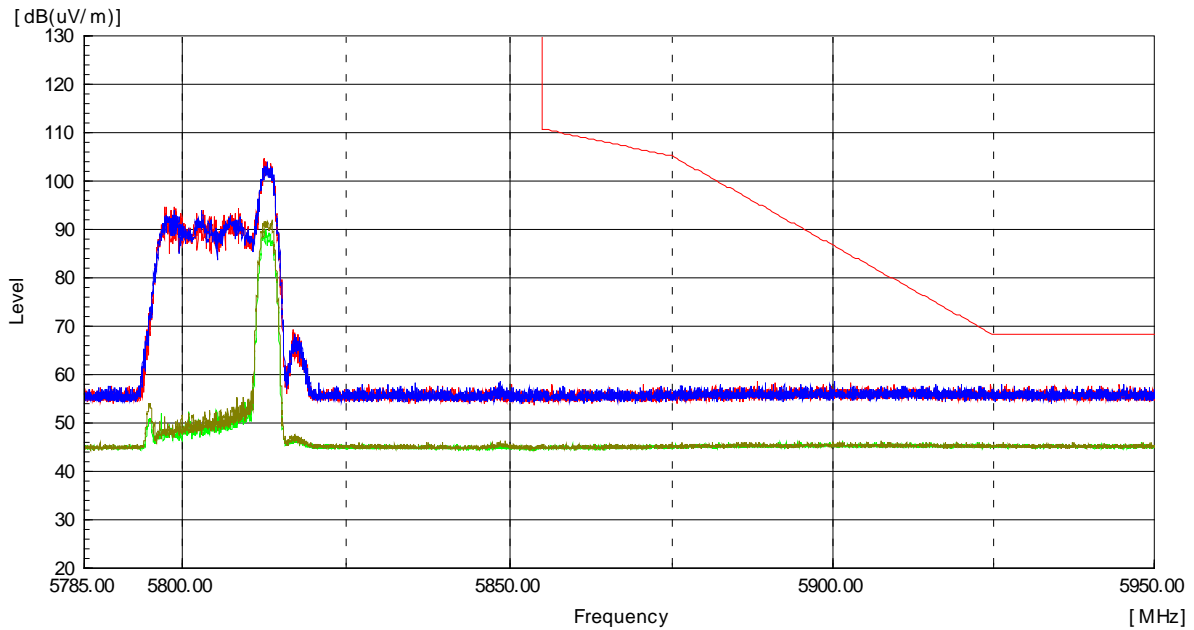


| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

### Radiated Restricted Band Edge Plot

|                            |                   |
|----------------------------|-------------------|
| Worst Case Mode :          | 802.11ax_HE40_26T |
| Worst Case Transfer Rate : | MCS 0             |
| Distance of Measurements : | 3 Meters          |
| Operating Frequency :      | 5 795 MHz         |
| Channel :                  | 159               |



| Frequency [MHz] | Reading (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.

Radiated Restricted Band Edge Plot



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**Test mode : Transmitter, 802.11ac\_VHT80**

The requirements are:

Complies

**Test Data**

**Ch.42(5 210 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 462.64       | H   | 45.1              | -----             | 6.9           | 52.0                | -----               | -----                  | 74.0                | -----               | 22.0           | -----          |
| 10 427.20       | H   | -----             | 34.4              | 6.8           | -----               | 41.2                | 0.9                    | -----               | 54.0                | -----          | 11.9           |
| 10 441.04       | V   | 48.8              | -----             | 6.9           | 55.7                | -----               | -----                  | 74.0                | -----               | 18.3           | -----          |
| 10 448.80       | V   | -----             | 34.1              | 6.9           | -----               | 41.0                | 0.9                    | -----               | 54.0                | -----          | 12.1           |

**Ch.58(5 290 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 10 581.94       | H   | 46.0              | -----             | 7.1           | 53.1                | -----               | -----                  | 74.0                | -----               | 20.9           | -----          |
| 10 549.71       | H   | -----             | 34.5              | 7.1           | -----               | 41.6                | 0.9                    | -----               | 54.0                | -----          | 11.5           |
| 10 606.75       | V   | 50.4              | -----             | 7.2           | 57.6                | -----               | -----                  | 74.0                | -----               | 16.4           | -----          |
| 10 605.23       | V   | -----             | 34.9              | 7.2           | -----               | 42.1                | 0.9                    | -----               | 54.0                | -----          | 11.0           |

**Ch.106(5 530 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 11 087.86       | H   | 46.3              | -----             | 7.9           | 54.2                | -----               | -----                  | 74.0                | -----               | 19.8           | -----          |
| 11 151.47       | H   | -----             | 34.8              | 7.9           | -----               | 42.7                | 0.9                    | -----               | 54.0                | -----          | 10.4           |
| 11 088.53       | V   | 48.6              | -----             | 7.9           | 56.5                | -----               | -----                  | 74.0                | -----               | 17.5           | -----          |
| 11 069.63       | V   | -----             | 35.1              | 7.9           | -----               | 43.0                | 0.9                    | -----               | 54.0                | -----          | 10.1           |

**Ch.138(5 690 MHz)**

| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|

The emissions above 1 GHz were 20 dB lower than the limit.



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Ch.155(5 775 MHz)

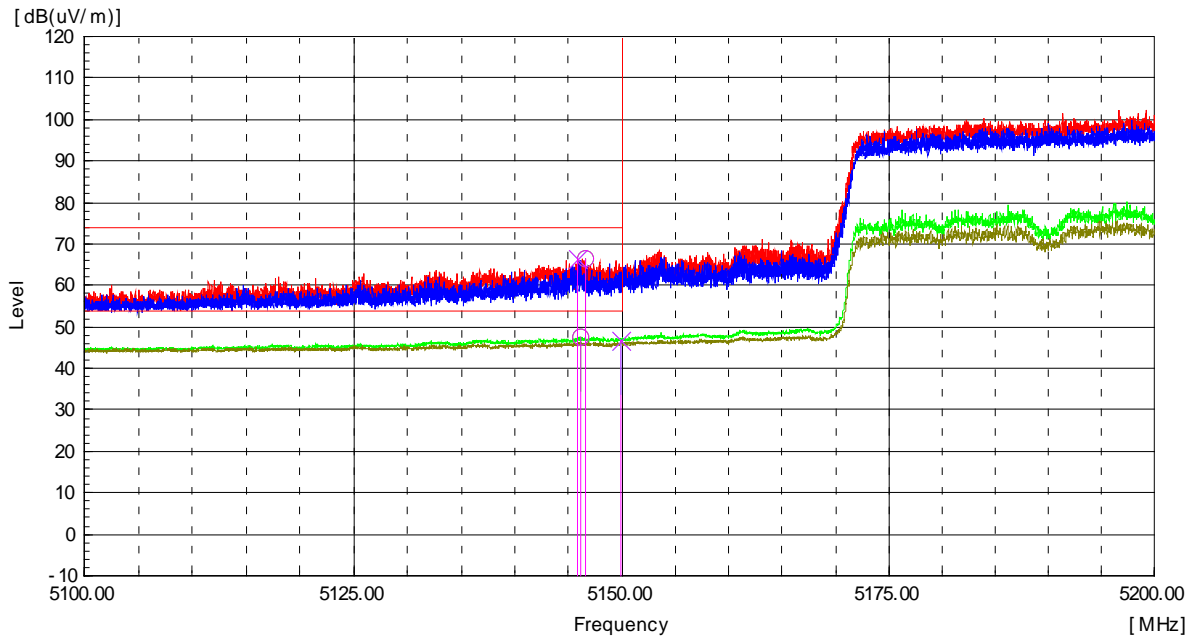
| Frequency<br>[MHz] | (P) | Reading<br>PK<br>[dBuV] | Reading<br>AV<br>[dBuV] | c.f<br>[dB(1/m)] | Level PK<br>[dB(uV/m)] | Level AV<br>[dB(uV/m)] | Duty<br>Cycle<br>Factor<br>[dB] | Limit PK<br>[dB(uV/m)] | Limit AV<br>[dB(uV/m)] | Margin<br>PK<br>[dB] | Margin<br>AV<br>[dB] |
|--------------------|-----|-------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|
|--------------------|-----|-------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|

The emissions above 1 GHz were 20 dB lower than the limit.

**Remarks**

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in stand-up position(Z axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)  
 Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

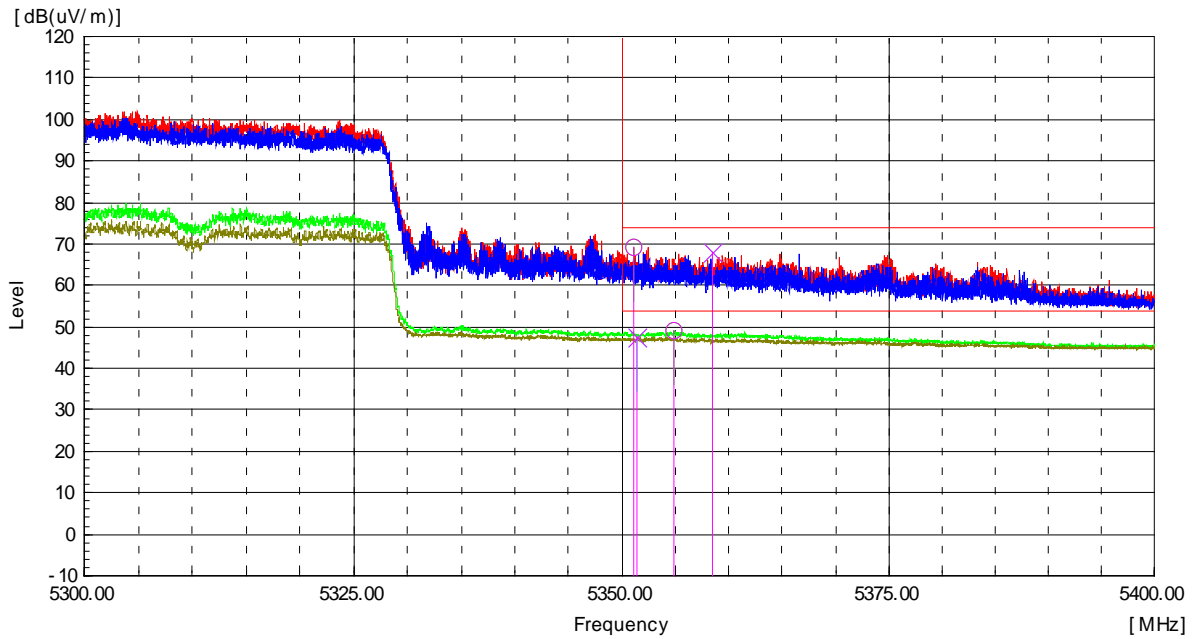
|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT80 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 210 MHz      |
| Channel :                  | 42             |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 146.58        | H   | 65.1              | -----             | 1.4           | 66.5                | -----               | -----                  | 74.0                | -----               | 7.5            | -----          |
| 5 146.09        | H   | -----             | 46.3              | 1.4           | -----               | 47.7                | 0.9                    | -----               | 54.0                | -----          | 5.4            |
| 5 145.81        | V   | 65.1              | -----             | 1.4           | 66.5                | -----               | -----                  | 74.0                | -----               | 7.5            | -----          |
| 5 149.96        | V   | -----             | 45.2              | 1.4           | -----               | 46.6                | 0.9                    | -----               | 54.0                | -----          | 6.5            |

Radiated Restricted Band Edge Plot

|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT80 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 290 MHz      |
| Channel :                  | 58             |

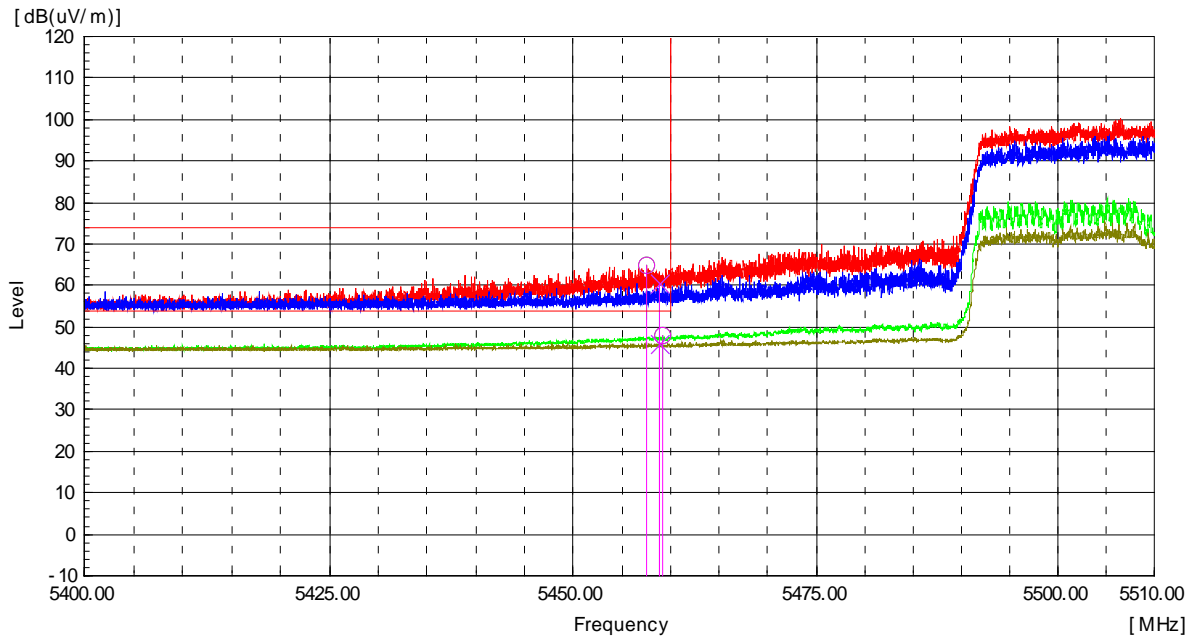


| Frequency [MHz] | Reading (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-------------|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 351.11        | H           | 67.2              | -----             | 2.1           | 69.3                | -----               | -----                  | 74.0                | -----               | 4.7            | -----          |
| 5 354.93        | H           | -----             | 46.9              | 2.1           | -----               | 49.0                | 0.9                    | -----               | 54.0                | -----          | 4.1            |
| 5 358.44        | V           | 66.0              | -----             | 2.1           | 68.1                | -----               | -----                  | 74.0                | -----               | 5.9            | -----          |
| 5 351.48        | V           | -----             | 45.5              | 2.1           | -----               | 47.6                | 0.9                    | -----               | 54.0                | -----          | 5.5            |

Radiated Restricted Band Edge Plot



|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT80 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 530 MHz      |
| Channel :                  | 106            |



| Frequency [MHz] | (P) | Reading PK [dBuV] | Reading AV [dBuV] | c.f [dB(1/m)] | Level PK [dB(uV/m)] | Level AV [dB(uV/m)] | Duty Cycle Factor [dB] | Limit PK [dB(uV/m)] | Limit AV [dB(uV/m)] | Margin PK [dB] | Margin AV [dB] |
|-----------------|-----|-------------------|-------------------|---------------|---------------------|---------------------|------------------------|---------------------|---------------------|----------------|----------------|
| 5 457.53        | H   | 62.7              | -----             | 2.0           | 64.7                | -----               | -----                  | 74.0                | -----               | 9.3            | -----          |
| 5 459.24        | H   | -----             | 45.9              | 2.0           | -----               | 47.9                | 0.9                    | -----               | 54.0                | -----          | 5.2            |
| 5 458.80        | V   | 58.6              | -----             | 2.0           | 60.6                | -----               | -----                  | 74.0                | -----               | 13.4           | -----          |
| 5 458.88        | V   | -----             | 44.1              | 2.0           | -----               | 46.1                | 0.9                    | -----               | 54.0                | -----          | 7.0            |

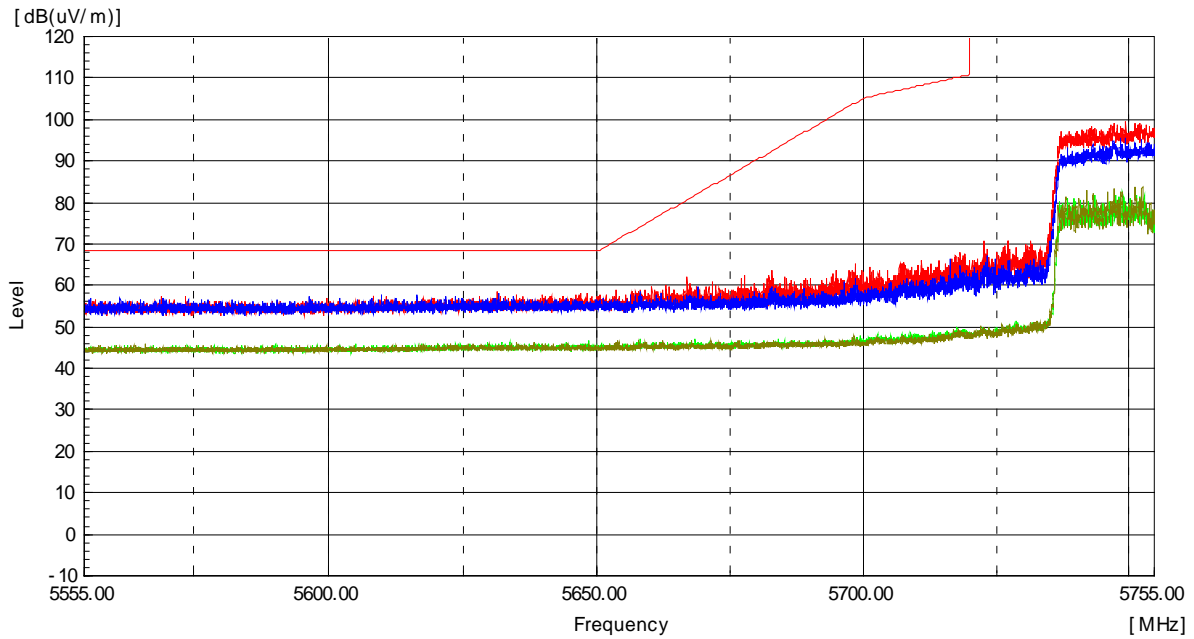
Radiated Restricted Band Edge Plot



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|                            |                |
|----------------------------|----------------|
| Worst Case Mode :          | 802.11ac_VHT80 |
| Worst Case Transfer Rate : | MNSS 0         |
| Distance of Measurements : | 3 Meters       |
| Operating Frequency :      | 5 775 MHz      |
| Channel :                  | 155            |



| Frequency<br>[MHz] | Reading<br>PK<br>[dBuV]<br>(P) | Reading<br>AV<br>[dBuV] | c.f<br>[dB(1/m)] | Level PK<br>[dB(uV/m)] | Level AV<br>[dB(uV/m)] | Duty<br>Cycle<br>Factor<br>[dB] | Limit PK<br>[dB(uV/m)] | Limit AV<br>[dB(uV/m)] | Margin<br>PK<br>[dB] | Margin<br>AV<br>[dB] |
|--------------------|--------------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|
|--------------------|--------------------------------|-------------------------|------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------|----------------------|----------------------|

The emissions above 1 GHz were 20 dB lower than the limit.

Radiated Restricted Band Edge Plot