

## 11.4 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
4. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
5. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
6. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
9. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
10. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
11. Repeat above procedures until all frequency measured were complete.

## 11.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

|       |                        |  |
|-------|------------------------|--|
| Where | FS = Field Strength    | CL = Cable Attenuation Factor (Cable Loss) |
|       | RA = Reading Amplitude | AG = Amplifier Gain                        |
|       | AF = Antenna Factor    |  |

Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)

Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Pre\_Amplifier Gain(dB)

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## 11.6 Test Results of Radiated Spurious Emissions form 9 KHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

Pre-scanned was done at frequency 5.47 GHz and 5.85 GHz for bandedge measurement of straddle channels 138, 142 and 144 which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

## 11.7 Measurement Result

Refer to next page for tabular data sheets.

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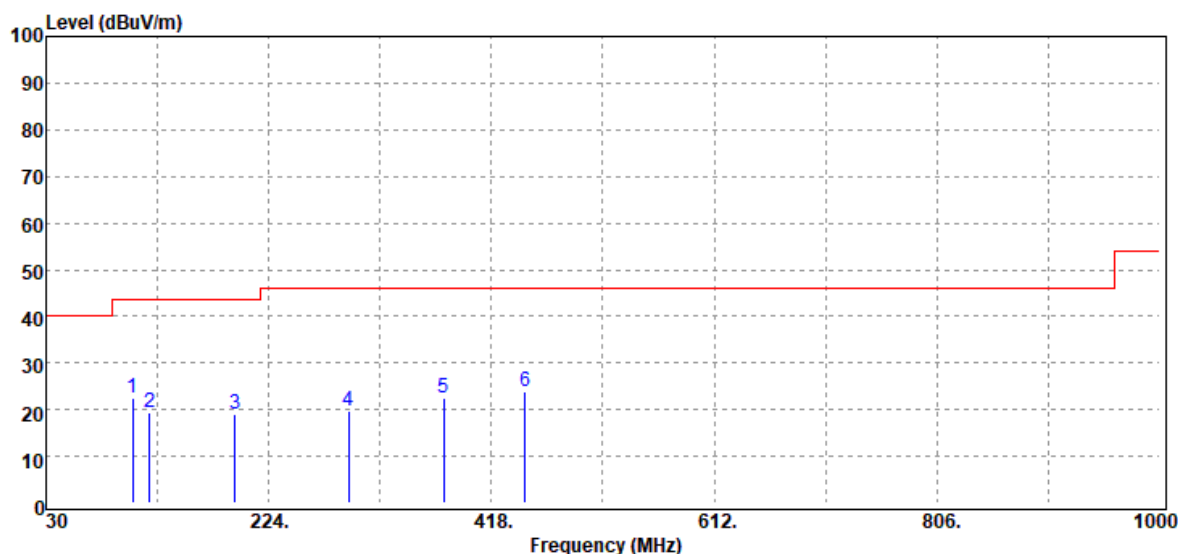
## Radiated Spurious Emission Measurement Result

## Below 1GHz Worst-Case Data:

## 802.11a 5150~5250 MHz

Project Number :T190506W05  
 Operation Band :802.11a / Band1  
 Fundamental Frequency :5220 MHz  
 Operation Mode :Tx CH Mid  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :VERTICAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 33.56                             | -11.02       | 22.54                  | 43.50                  | -20.96       |
| 120.21       | Peak                         | 28.35                             | -8.88        | 19.47                  | 43.50                  | -24.03       |
| 194.90       | Peak                         | 28.95                             | -10.06       | 18.89                  | 43.50                  | -24.61       |
| 293.84       | Peak                         | 28.21                             | -8.32        | 19.89                  | 46.00                  | -26.11       |
| 376.29       | Peak                         | 28.86                             | -6.37        | 22.49                  | 46.00                  | -23.51       |
| 447.10       | Peak                         | 27.97                             | -3.94        | 24.03                  | 46.00                  | -21.97       |

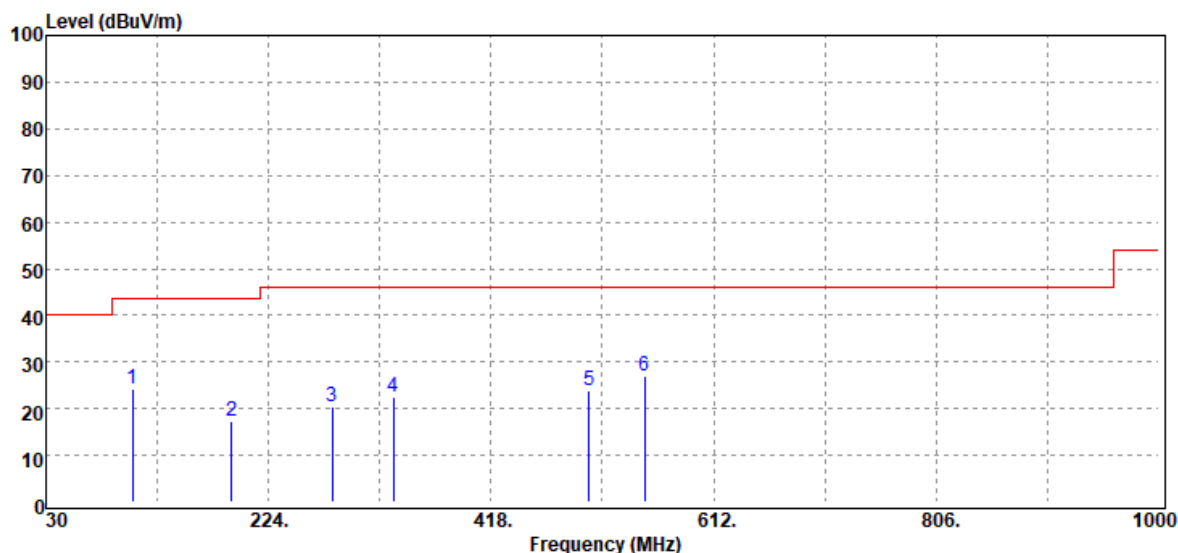
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Project Number :T190506W05  
 Operation Band :802.11a / Band1  
 Fundamental Frequency :5220 MHz  
 Operation Mode :Tx CH Mid  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 35.11                             | -11.02       | 24.09                  | 43.50                  | -19.41       |
| 191.99       | Peak                         | 27.89                             | -10.55       | 17.34                  | 43.50                  | -26.16       |
| 279.29       | Peak                         | 28.67                             | -8.40        | 20.27                  | 46.00                  | -25.73       |
| 332.64       | Peak                         | 29.54                             | -7.17        | 22.37                  | 46.00                  | -23.63       |
| 503.36       | Peak                         | 26.93                             | -3.03        | 23.90                  | 46.00                  | -22.10       |
| 551.86       | Peak                         | 29.13                             | -2.22        | 26.91                  | 46.00                  | -19.09       |

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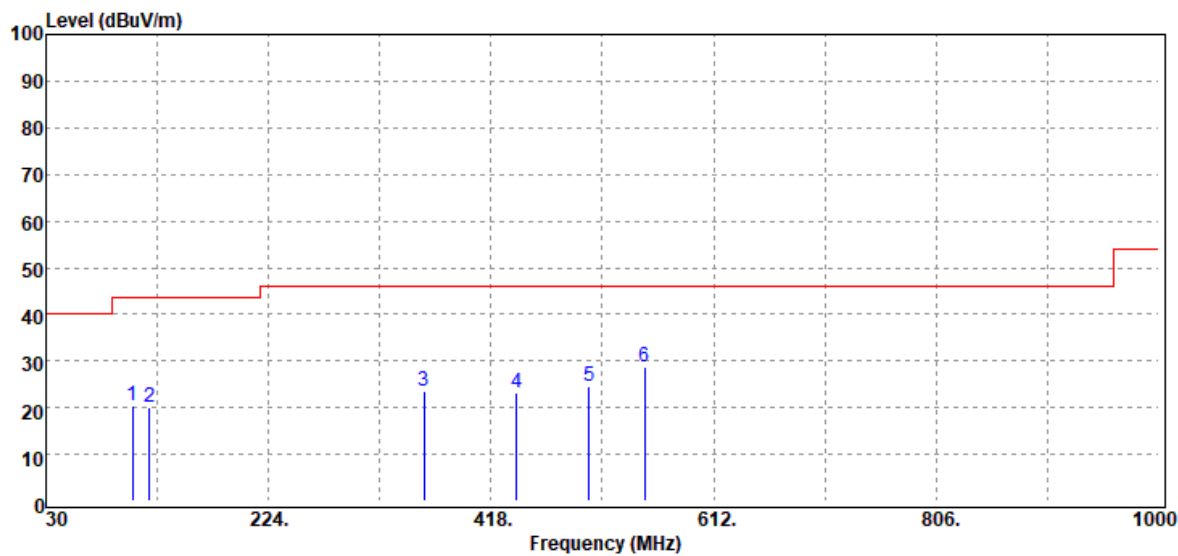
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**802.11a 5250~5350 MHz**

Project Number :T190506W05  
 Operation Band :802.11a / Band2  
 Fundamental Frequency :5300 MHz  
 Operation Mode :Tx CH Mid  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :VERTICAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 31.53                             | -11.02       | 20.51                  | 43.50                  | -22.99       |
| 120.21       | Peak                         | 28.82                             | -8.88        | 19.94                  | 43.50                  | -23.56       |
| 359.80       | Peak                         | 29.98                             | -6.59        | 23.39                  | 46.00                  | -22.61       |
| 440.31       | Peak                         | 27.09                             | -4.04        | 23.05                  | 46.00                  | -22.95       |
| 503.36       | Peak                         | 27.59                             | -3.03        | 24.56                  | 46.00                  | -21.44       |
| 551.86       | Peak                         | 30.82                             | -2.22        | 28.60                  | 46.00                  | -17.40       |

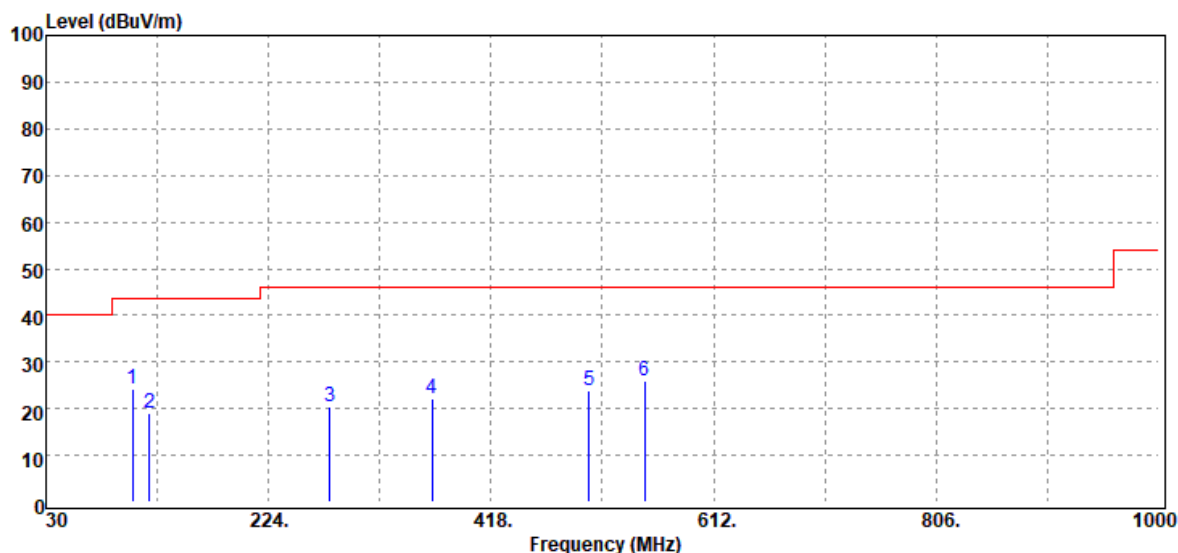
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Project Number :T190506W05  
 Operation Band :802.11a / Band2  
 Fundamental Frequency :5300 MHz  
 Operation Mode :Tx CH Mid  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 35.37                             | -11.02       | 24.35                  | 43.50                  | -19.15       |
| 120.21       | Peak                         | 28.03                             | -8.88        | 19.15                  | 43.50                  | -24.35       |
| 277.35       | Peak                         | 28.88                             | -8.41        | 20.47                  | 46.00                  | -25.53       |
| 366.59       | Peak                         | 28.59                             | -6.50        | 22.09                  | 46.00                  | -23.91       |
| 503.36       | Peak                         | 26.89                             | -3.03        | 23.86                  | 46.00                  | -22.14       |
| 551.86       | Peak                         | 28.29                             | -2.22        | 26.07                  | 46.00                  | -19.93       |

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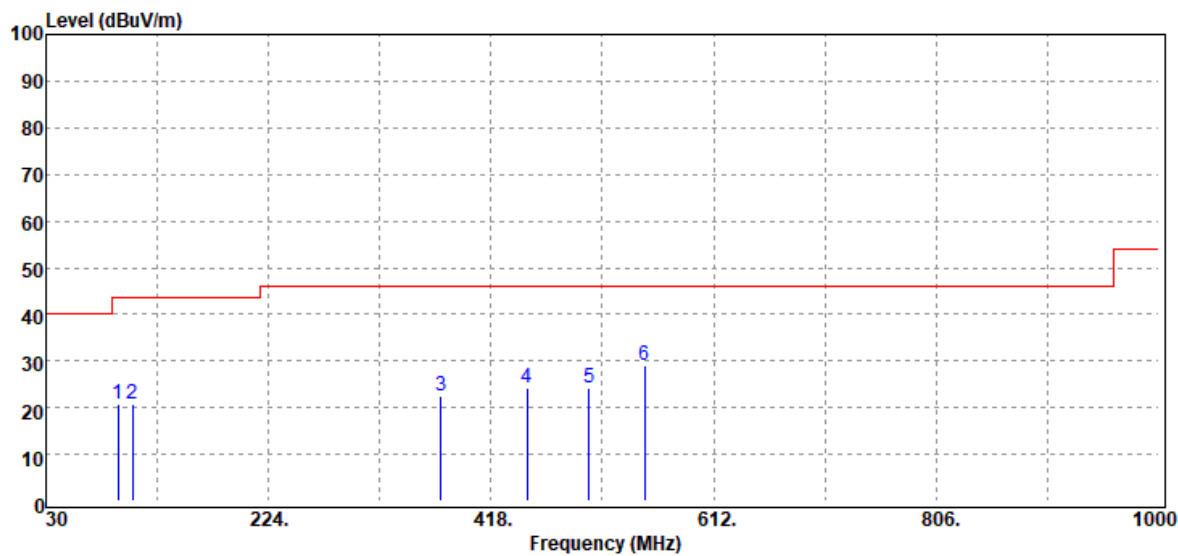
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**802.11a 5470~5725 MHz**

Project Number :T190506W05  
 Operation Band :802.11a / Band3  
 Fundamental Frequency :5580 MHz  
 Operation Mode :Tx CH Mid  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :VERTICAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 93.05        | Peak                         | 35.23                             | -14.62       | 20.61                  | 43.50                  | -22.89       |
| 105.66       | Peak                         | 31.92                             | -11.02       | 20.90                  | 43.50                  | -22.60       |
| 374.35       | Peak                         | 28.82                             | -6.37        | 22.45                  | 46.00                  | -23.55       |
| 449.04       | Peak                         | 28.00                             | -3.88        | 24.12                  | 46.00                  | -21.88       |
| 503.36       | Peak                         | 27.40                             | -3.03        | 24.37                  | 46.00                  | -21.63       |
| 551.86       | Peak                         | 31.15                             | -2.22        | 28.93                  | 46.00                  | -17.07       |

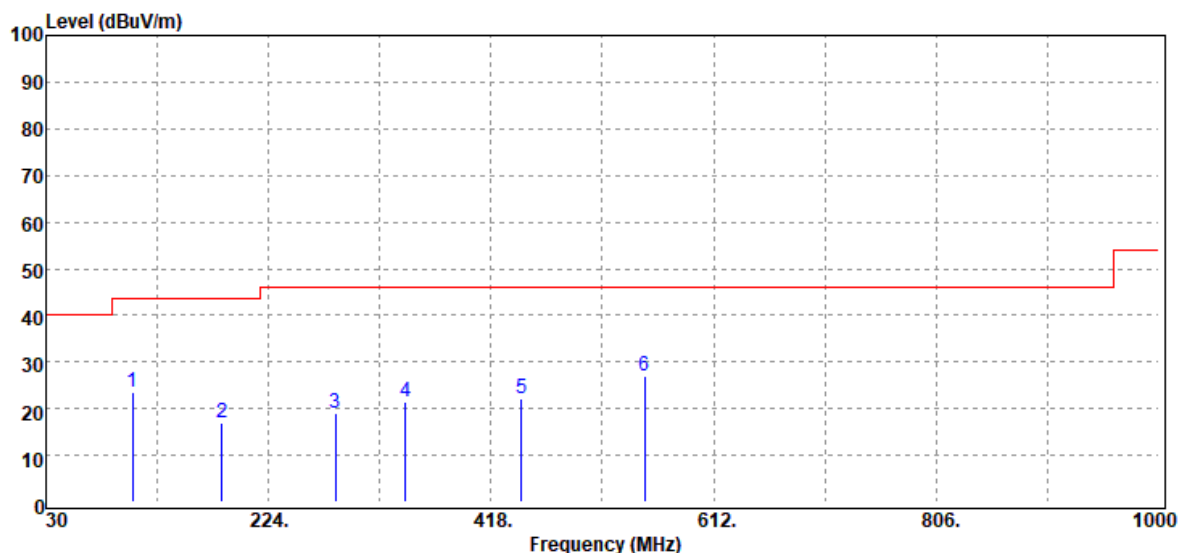
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Project Number :T190506W05  
 Operation Band :802.11a / Band3  
 Fundamental Frequency :5580 MHz  
 Operation Mode :Tx CH Mid  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 34.66                             | -11.02       | 23.64                  | 43.50                  | -19.86       |
| 183.26       | Peak                         | 28.30                             | -11.23       | 17.07                  | 43.50                  | -26.43       |
| 282.20       | Peak                         | 27.60                             | -8.42        | 19.18                  | 46.00                  | -26.82       |
| 343.31       | Peak                         | 28.69                             | -7.14        | 21.55                  | 46.00                  | -24.45       |
| 444.19       | Peak                         | 26.42                             | -4.11        | 22.31                  | 46.00                  | -23.69       |
| 551.86       | Peak                         | 29.30                             | -2.22        | 27.08                  | 46.00                  | -18.92       |

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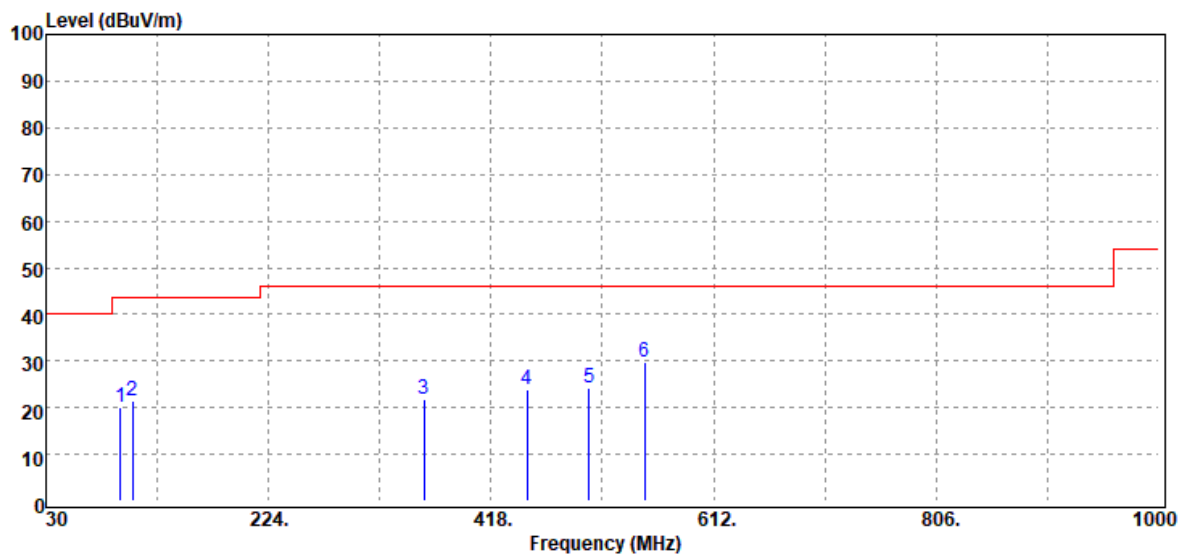
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**802.11a 5725~5850 MHz**

Project Number :T190506W05  
 Operation Band :802.11a / Band4  
 Fundamental Frequency :5785 MHz  
 Operation Mode :Tx CH Mid  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :VERTICAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 94.99        | Peak                         | 34.16                             | -14.24       | 19.92                  | 43.50                  | -23.58       |
| 105.66       | Peak                         | 32.47                             | -11.02       | 21.45                  | 43.50                  | -22.05       |
| 359.80       | Peak                         | 28.49                             | -6.59        | 21.90                  | 46.00                  | -24.10       |
| 449.04       | Peak                         | 27.84                             | -3.88        | 23.96                  | 46.00                  | -22.04       |
| 503.36       | Peak                         | 27.39                             | -3.03        | 24.36                  | 46.00                  | -21.64       |
| 551.86       | Peak                         | 31.83                             | -2.22        | 29.61                  | 46.00                  | -16.39       |

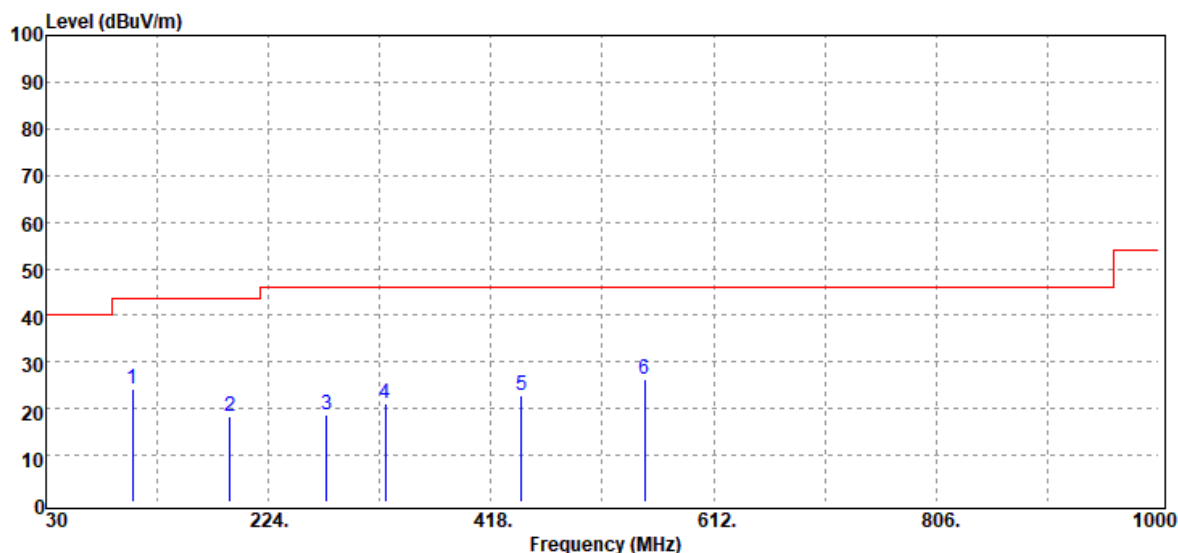
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Project Number :T190506W05  
 Operation Band :802.11a / Band4  
 Fundamental Frequency :5785 MHz  
 Operation Mode :Tx CH Mid  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 35.12                             | -11.02       | 24.10                  | 43.50                  | -19.40       |
| 190.05       | Peak                         | 29.07                             | -10.77       | 18.30                  | 43.50                  | -25.20       |
| 274.44       | Peak                         | 27.23                             | -8.44        | 18.79                  | 46.00                  | -27.21       |
| 325.85       | Peak                         | 28.33                             | -7.32        | 21.01                  | 46.00                  | -24.99       |
| 444.19       | Peak                         | 27.07                             | -4.11        | 22.96                  | 46.00                  | -23.04       |
| 551.86       | Peak                         | 28.35                             | -2.22        | 26.13                  | 46.00                  | -19.87       |

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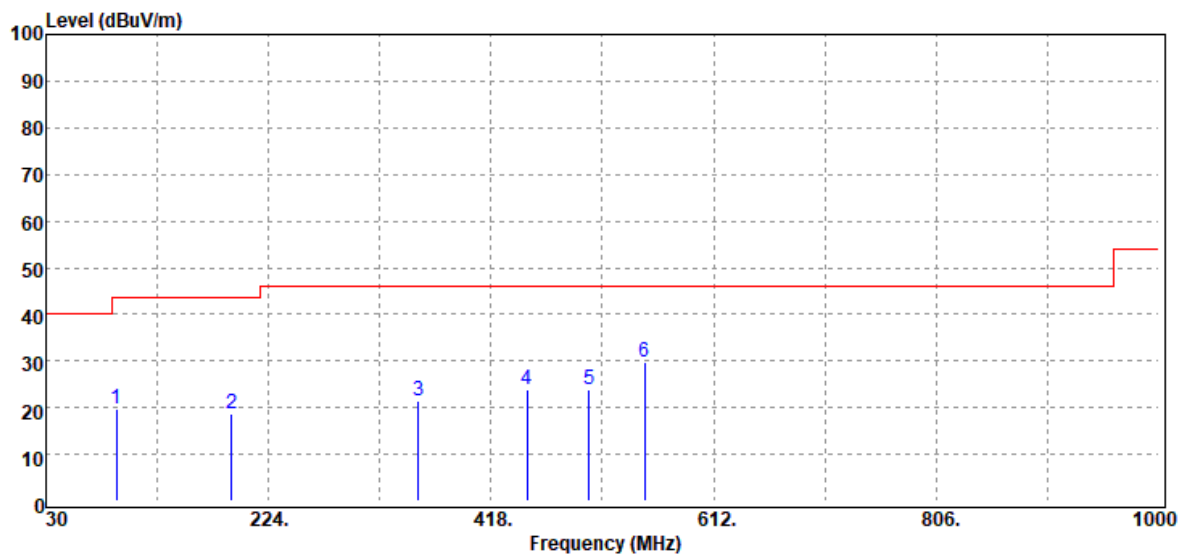
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**802.11ac 5150~5250 MHz**

Project Number :T190506W05  
 Operation Band :802.11ac80 / Band1  
 Fundamental Frequency :5210 MHz  
 Operation Mode :Tx CH Low  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :VERTICAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 91.11        | Peak                         | 34.83                             | -15.12       | 19.71                  | 43.50                  | -23.79       |
| 191.99       | Peak                         | 29.28                             | -10.55       | 18.73                  | 43.50                  | -24.77       |
| 354.95       | Peak                         | 28.34                             | -6.80        | 21.54                  | 46.00                  | -24.46       |
| 449.04       | Peak                         | 27.66                             | -3.88        | 23.78                  | 46.00                  | -22.22       |
| 503.36       | Peak                         | 27.04                             | -3.03        | 24.01                  | 46.00                  | -21.99       |
| 551.86       | Peak                         | 31.91                             | -2.22        | 29.69                  | 46.00                  | -16.31       |

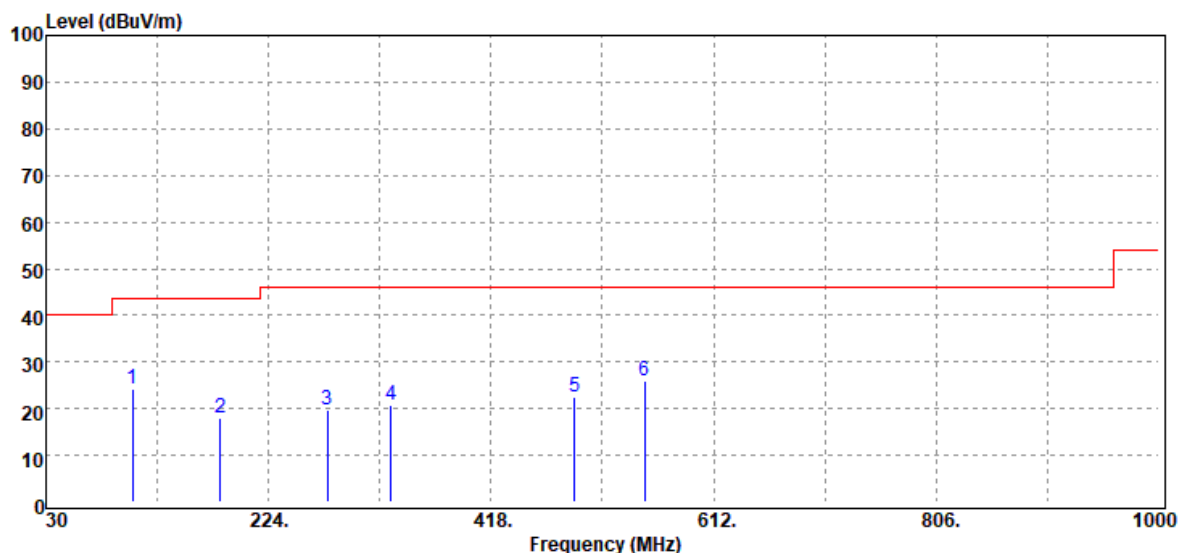
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Project Number :T190506W05  
 Operation Band :802.11ac80 / Band1  
 Fundamental Frequency :5210 MHz  
 Operation Mode :Tx CH Low  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 35.17                             | -11.02       | 24.15                  | 43.50                  | -19.35       |
| 182.29       | Peak                         | 29.15                             | -11.28       | 17.87                  | 43.50                  | -25.63       |
| 275.41       | Peak                         | 28.22                             | -8.42        | 19.80                  | 46.00                  | -26.20       |
| 330.70       | Peak                         | 27.84                             | -7.08        | 20.76                  | 46.00                  | -25.24       |
| 490.75       | Peak                         | 25.63                             | -3.09        | 22.54                  | 46.00                  | -23.46       |
| 551.86       | Peak                         | 28.29                             | -2.22        | 26.07                  | 46.00                  | -19.93       |

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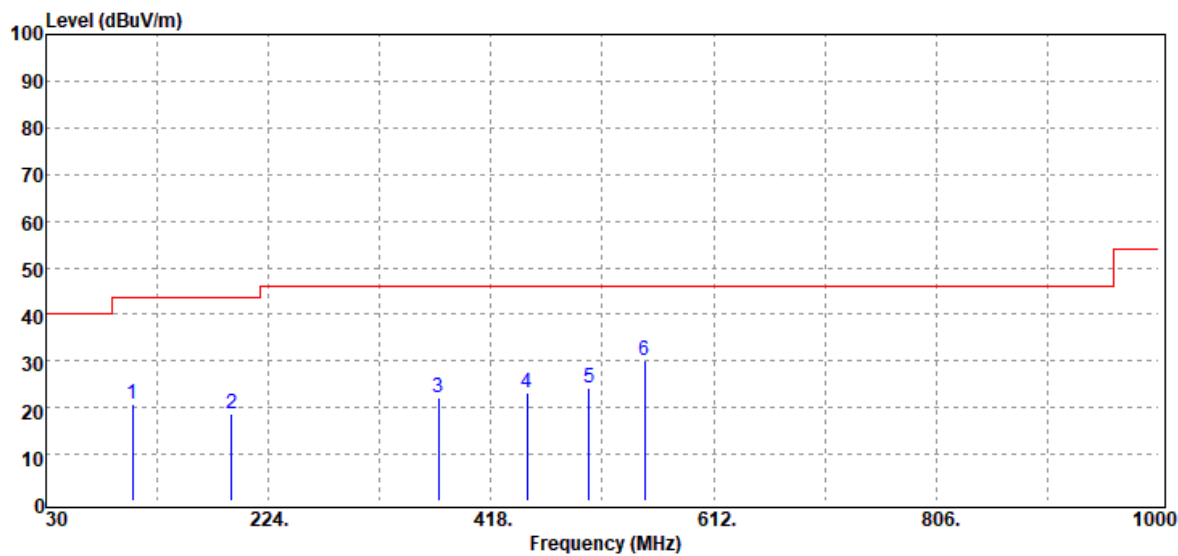
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**802.11ac 5250~5350 MHz**

Project Number :T190506W05  
 Operation Band :802.11ac80 / Band2  
 Fundamental Frequency :5290 MHz  
 Operation Mode :Tx CH High  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :VERTICAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 31.94                             | -11.02       | 20.92                  | 43.50                  | -22.58       |
| 191.99       | Peak                         | 29.11                             | -10.55       | 18.56                  | 43.50                  | -24.94       |
| 372.41       | Peak                         | 28.46                             | -6.40        | 22.06                  | 46.00                  | -23.94       |
| 449.04       | Peak                         | 27.11                             | -3.88        | 23.23                  | 46.00                  | -22.77       |
| 503.36       | Peak                         | 27.14                             | -3.03        | 24.11                  | 46.00                  | -21.89       |
| 551.86       | Peak                         | 32.32                             | -2.22        | 30.10                  | 46.00                  | -15.90       |

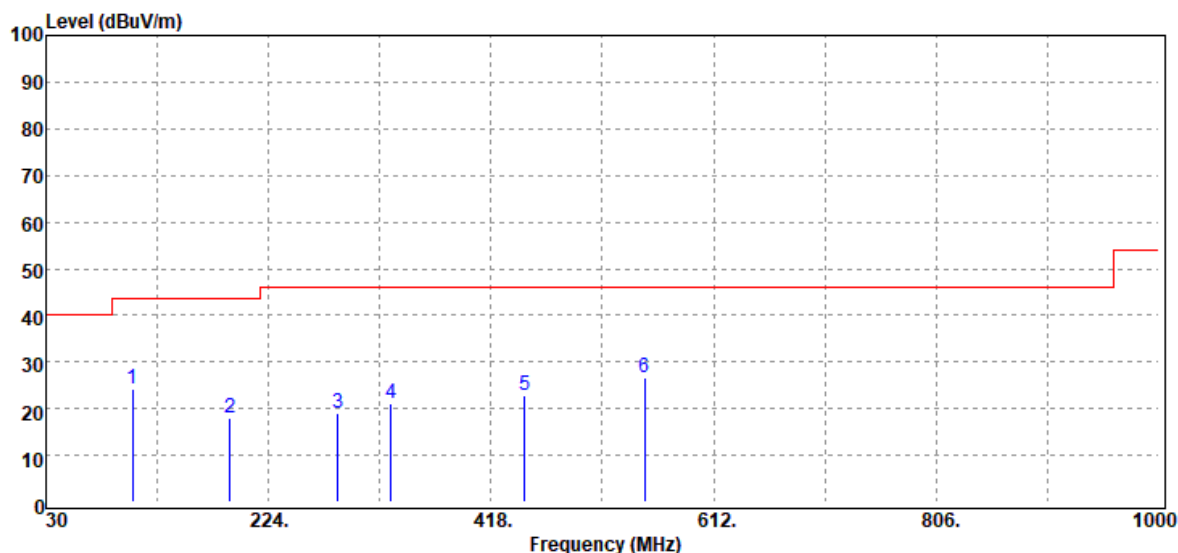
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Project Number :T190506W05  
 Operation Band :802.11ac80 / Band2  
 Fundamental Frequency :5290 MHz  
 Operation Mode :Tx CH High  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 35.31                             | -11.02       | 24.29                  | 43.50                  | -19.21       |
| 190.05       | Peak                         | 28.88                             | -10.77       | 18.11                  | 43.50                  | -25.39       |
| 284.14       | Peak                         | 27.47                             | -8.44        | 19.03                  | 46.00                  | -26.97       |
| 330.70       | Peak                         | 28.02                             | -7.08        | 20.94                  | 46.00                  | -25.06       |
| 447.10       | Peak                         | 26.83                             | -3.94        | 22.89                  | 46.00                  | -23.11       |
| 551.86       | Peak                         | 28.97                             | -2.22        | 26.75                  | 46.00                  | -19.25       |

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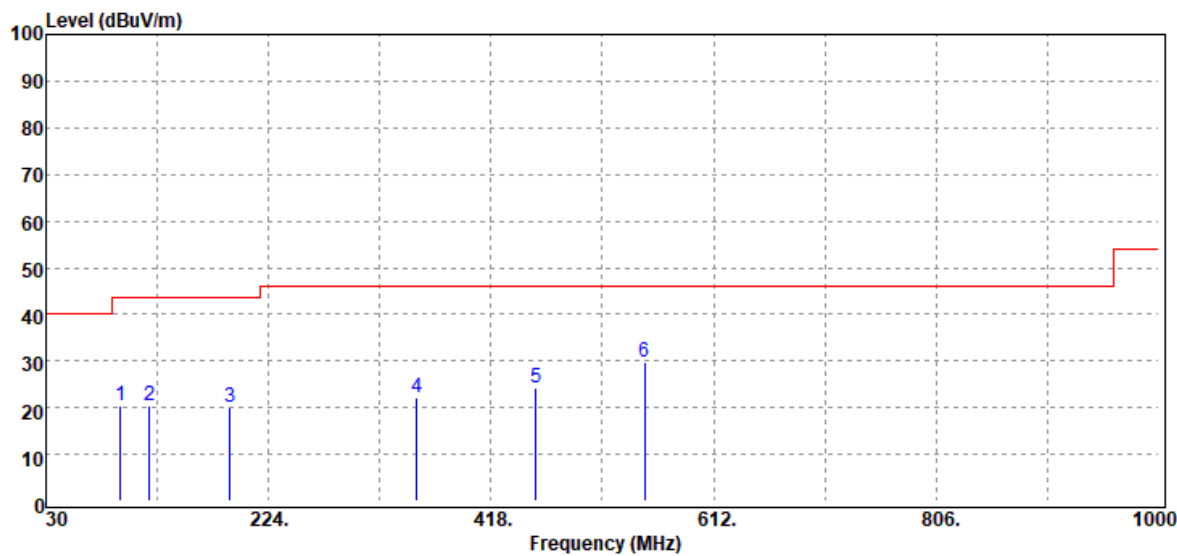
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## 802.11ac 5470~5725 MHz

Project Number :T190506W05  
Operation Band :802.11ac80 / Band3  
Fundamental Frequency :5610 MHz  
Operation Mode :Tx CH Mid  
EUT Pol. :E2 Plan

Test Date :2019-05-21  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :VERTICAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 94.99        | Peak                         | 34.68                             | -14.24       | 20.44                  | 43.50                  | -23.06       |
| 120.21       | Peak                         | 29.22                             | -8.88        | 20.34                  | 43.50                  | -23.16       |
| 190.05       | Peak                         | 30.91                             | -10.77       | 20.14                  | 43.50                  | -23.36       |
| 353.01       | Peak                         | 28.90                             | -6.85        | 22.05                  | 46.00                  | -23.95       |
| 456.80       | Peak                         | 27.83                             | -3.76        | 24.07                  | 46.00                  | -21.93       |
| 551.86       | Peak                         | 32.10                             | -2.22        | 29.88                  | 46.00                  | -16.12       |

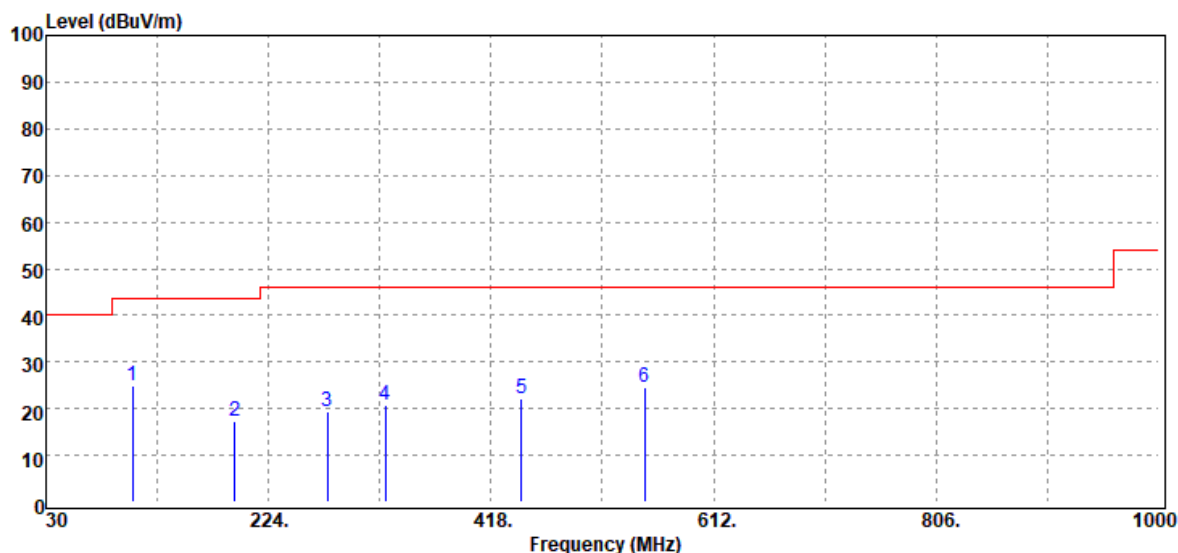
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Project Number :T190506W05  
 Operation Band :802.11ac80 / Band3  
 Fundamental Frequency :5610 MHz  
 Operation Mode :Tx CH Mid  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 36.10                             | -11.02       | 25.08                  | 43.50                  | -18.42       |
| 194.90       | Peak                         | 27.24                             | -10.06       | 17.18                  | 43.50                  | -26.32       |
| 275.41       | Peak                         | 27.66                             | -8.42        | 19.24                  | 46.00                  | -26.76       |
| 325.85       | Peak                         | 27.93                             | -7.32        | 20.61                  | 46.00                  | -25.39       |
| 444.19       | Peak                         | 26.38                             | -4.11        | 22.27                  | 46.00                  | -23.73       |
| 551.86       | Peak                         | 26.94                             | -2.22        | 24.72                  | 46.00                  | -21.28       |

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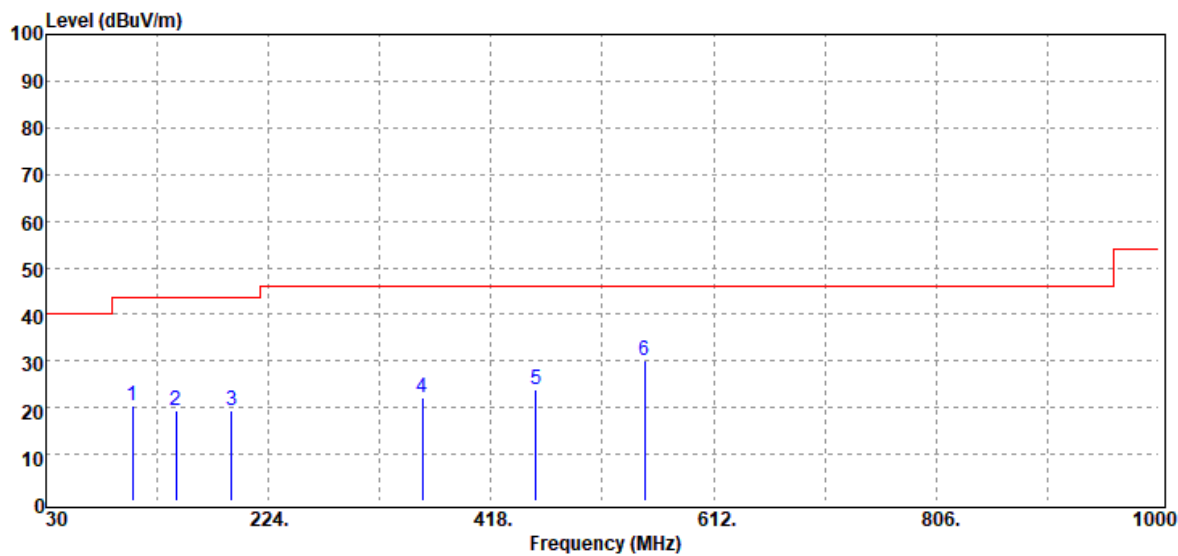
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**802.11ac 5725~5850 MHz**

Project Number :T190506W05  
 Operation Band :802.11ac80 / Band4  
 Fundamental Frequency :5775 MHz  
 Operation Mode :Tx CH High  
 EUT Pol. :E2 Plan

Test Date :2019-05-21  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :VERTICAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 31.45                             | -11.02       | 20.43                  | 43.50                  | -23.07       |
| 143.49       | Peak                         | 29.10                             | -9.86        | 19.24                  | 43.50                  | -24.26       |
| 191.99       | Peak                         | 29.88                             | -10.55       | 19.33                  | 43.50                  | -24.17       |
| 357.86       | Peak                         | 28.95                             | -6.68        | 22.27                  | 46.00                  | -23.73       |
| 456.80       | Peak                         | 27.49                             | -3.76        | 23.73                  | 46.00                  | -22.27       |
| 551.86       | Peak                         | 32.21                             | -2.22        | 29.99                  | 46.00                  | -16.01       |

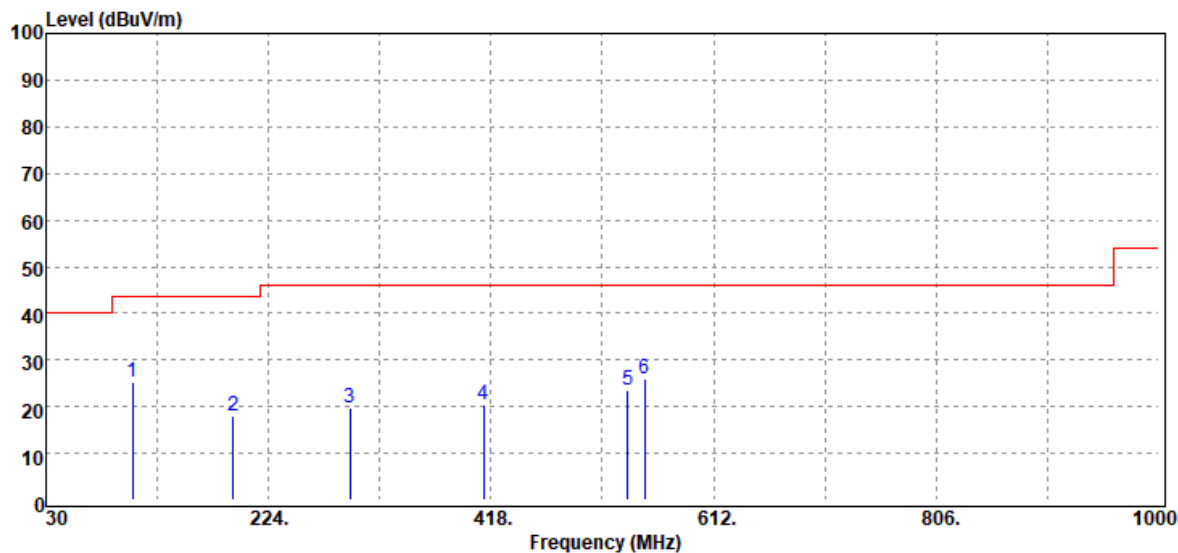
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Project Number :T190506W05  
Operation Band :802.11ac80 / Band4  
Fundamental Frequency :5775 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-21  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 105.66       | Peak                         | 36.21                             | -11.02       | 25.19                  | 43.50                  | -18.31       |
| 192.96       | Peak                         | 28.47                             | -10.44       | 18.03                  | 43.50                  | -25.47       |
| 294.81       | Peak                         | 27.98                             | -8.32        | 19.66                  | 46.00                  | -26.34       |
| 411.21       | Peak                         | 25.27                             | -5.00        | 20.27                  | 46.00                  | -25.73       |
| 537.31       | Peak                         | 25.59                             | -2.16        | 23.43                  | 46.00                  | -22.57       |
| 551.86       | Peak                         | 28.29                             | -2.22        | 26.07                  | 46.00                  | -19.93       |

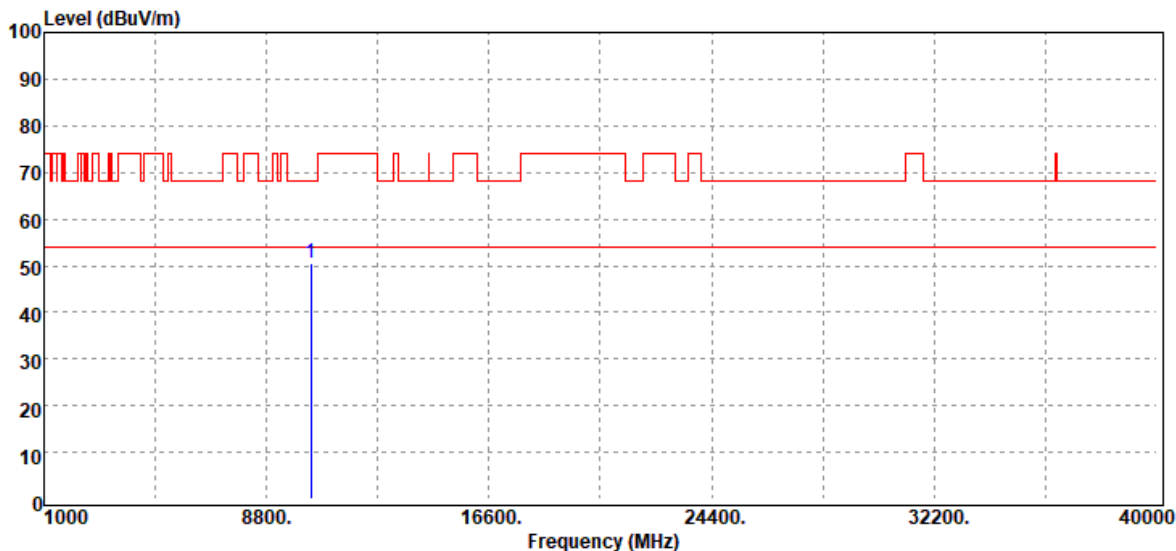
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**Above 1GHz Worst-Case Data:****Radiated Spurious Emission Measurement Result 802.11a 5150~5250 MHz**

|                       |                  |                          |             |
|-----------------------|------------------|--------------------------|-------------|
| Project Number        | :T190506W05      | Test Date                | :2019-05-16 |
| Operation Band        | :802.11a / Band1 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5180 MHz        | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low       | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan         |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.00     | Peak                         | 35.94                             | 14.73        | 50.67                  | 68.20                  | -17.53       |

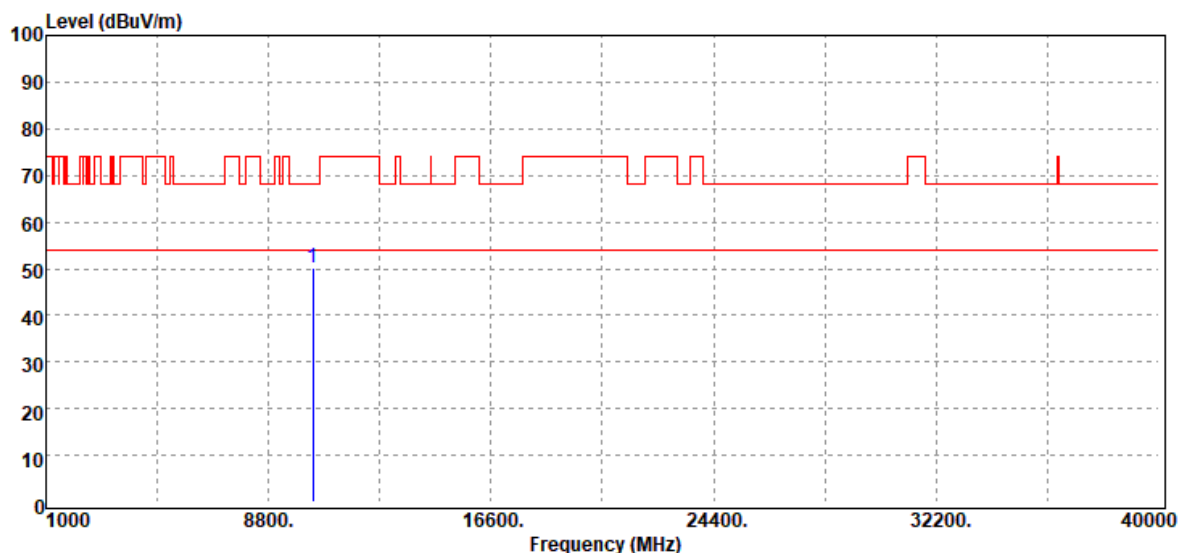
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Project Number :T190506W05  
Operation Band :802.11a / Band1  
Fundamental Frequency :5180 MHz  
Operation Mode :Tx CH Low  
EUT Pol. :E2 Plan

Test Date :2019-05-16  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10360.00 | Peak     | 35.47         | 14.73  | 50.20  | 68.20  | -18.00 |

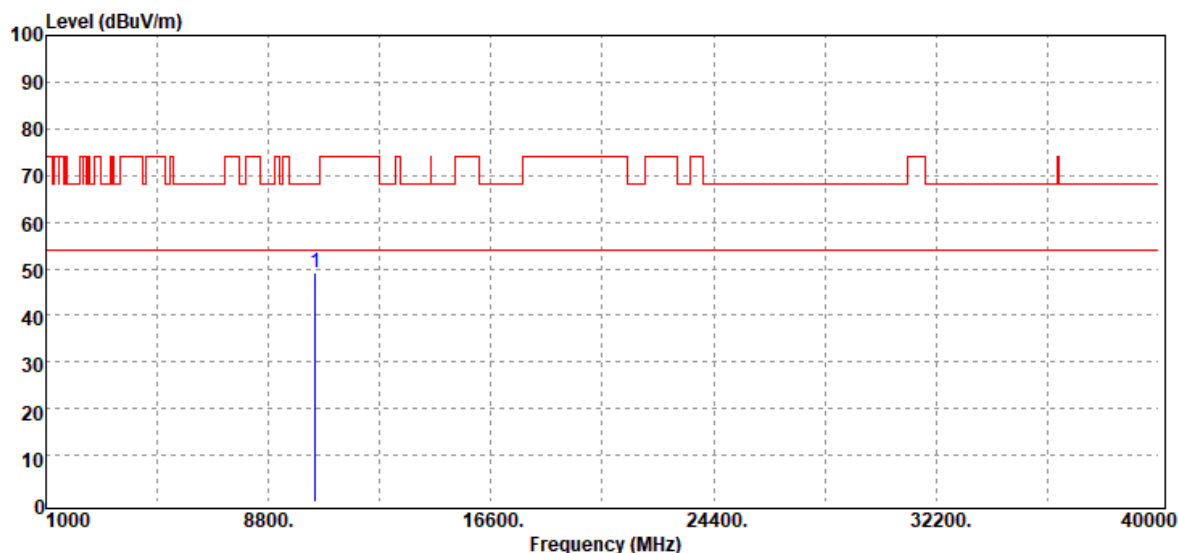
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Project Number :T190506W05  
Operation Band :802.11a / Band1  
Fundamental Frequency :5220 MHz  
Operation Mode :Tx CH Mid  
EUT Pol. :E2 Plan

Test Date :2019-05-16  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :VERTICAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10440.00 | Peak     | 33.60         | 15.66  | 49.26  | 68.20  | -18.94 |

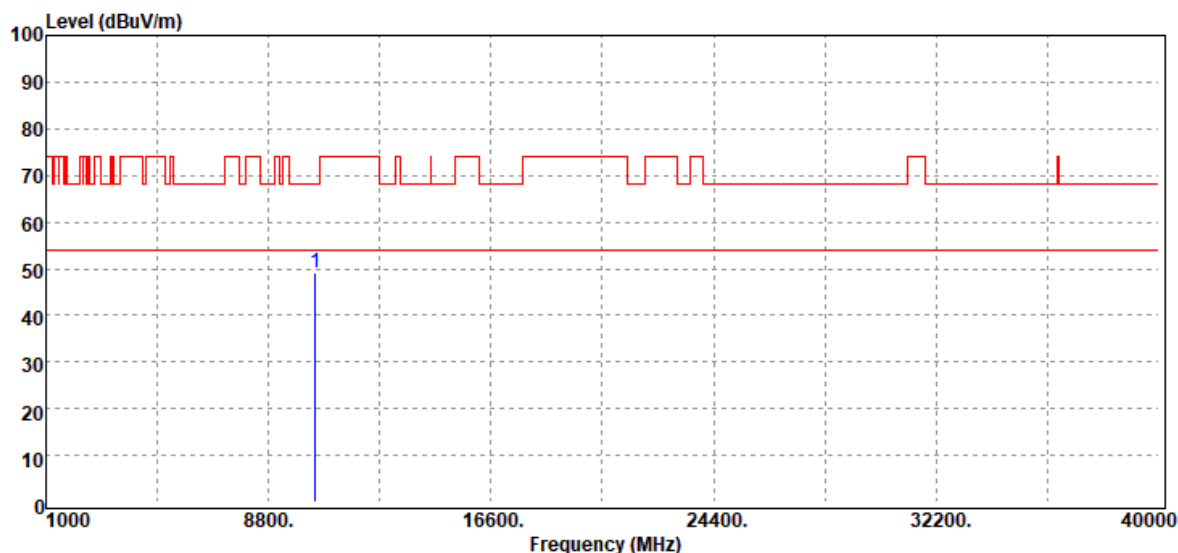
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Project Number :T190506W05  
Operation Band :802.11a / Band1  
Fundamental Frequency :5220 MHz  
Operation Mode :Tx CH Mid  
EUT Pol. :E2 Plan

Test Date :2019-05-16  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10440.00 | Peak     | 33.46         | 15.66  | 49.12  | 68.20  | -19.08 |

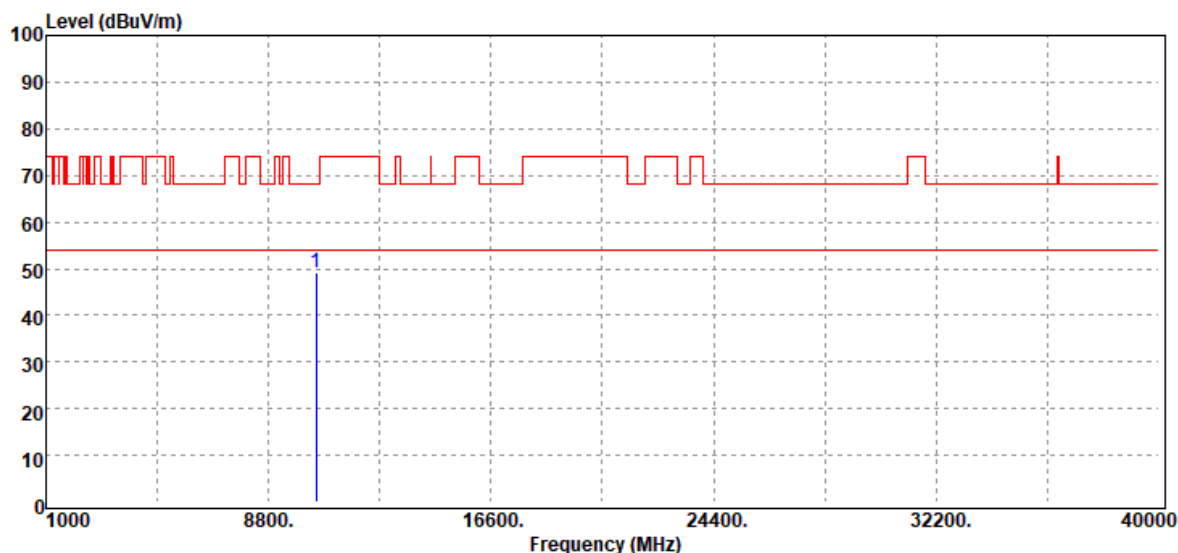
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Project Number :T190506W05  
Operation Band :802.11a / Band1  
Fundamental Frequency :5240 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-16  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :VERTICAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10480.00 | Peak     | 32.78         | 16.48  | 49.26  | 68.20  | -18.94 |

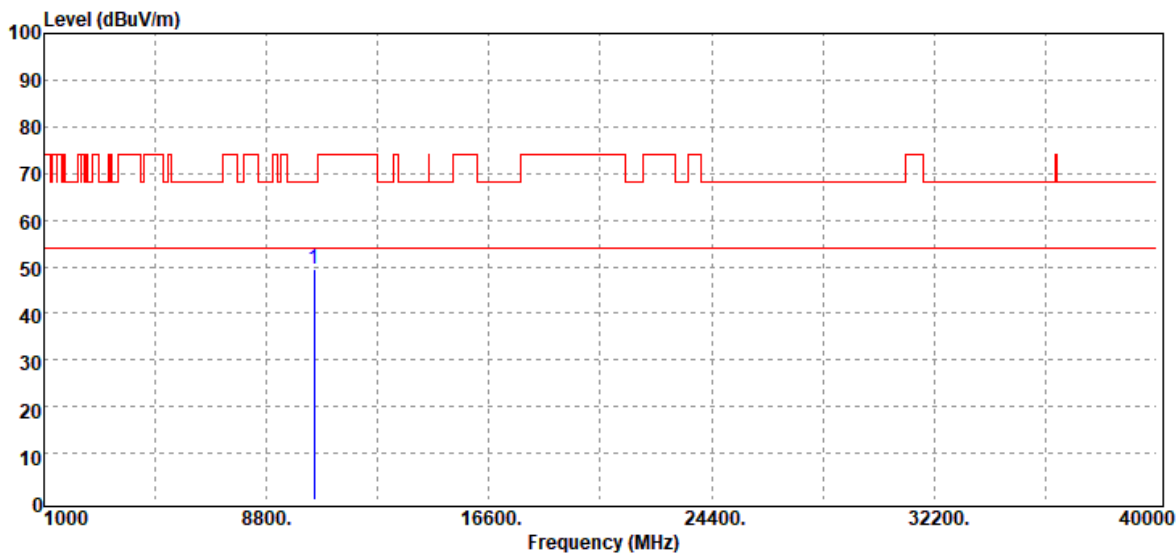
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Project Number :T190506W05  
Operation Band :802.11a / Band1  
Fundamental Frequency :5240 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-16  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10480.00 | Peak     | 32.96         | 16.48  | 49.44  | 68.20  | -18.76 |

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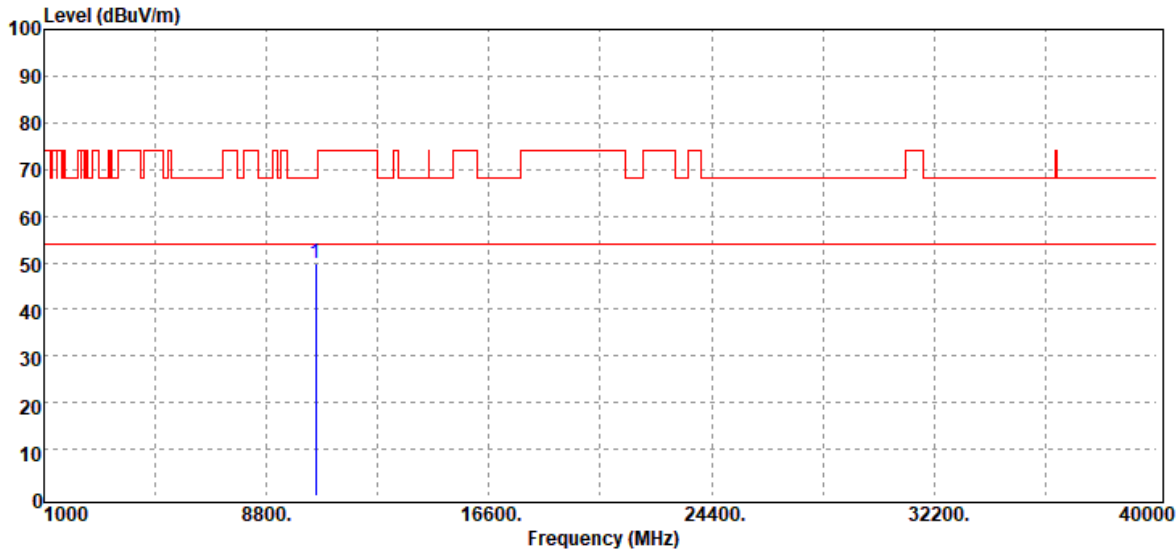
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**Radiated Spurious Emission Measurement Result 802.11a 5250MHz-5350MHz**

|                       |                  |                          |             |
|-----------------------|------------------|--------------------------|-------------|
| Project Number        | :T190506W05      | Test Date                | :2019-05-16 |
| Operation Band        | :802.11a / Band2 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5260 MHz        | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low       | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan         |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 33.74                             | 15.99        | 49.73                  | 68.20                  | -18.47       |

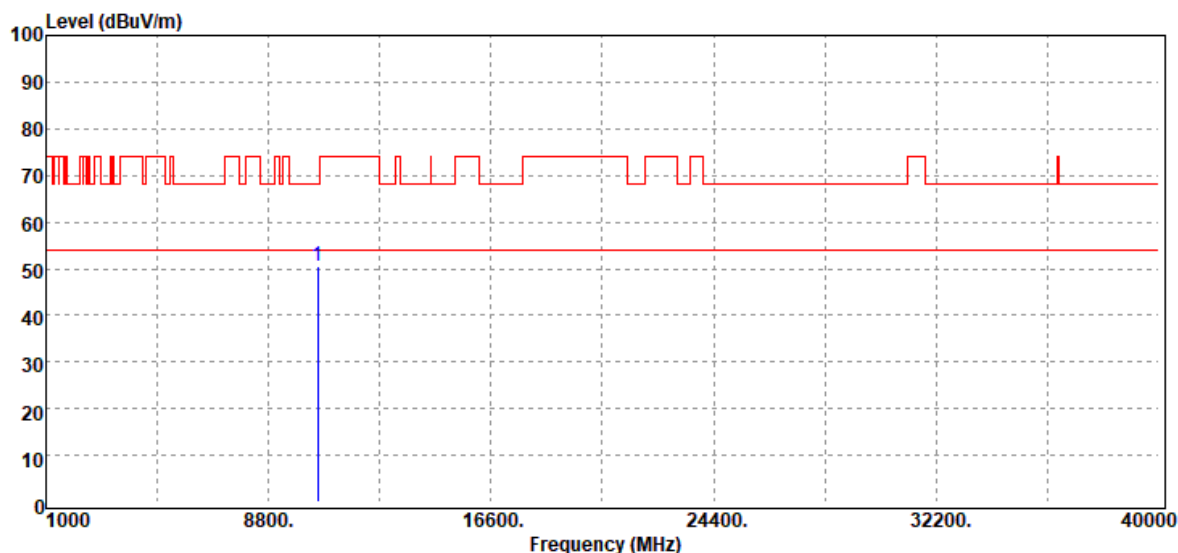
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Project Number :T190506W05  
Operation Band :802.11a / Band2  
Fundamental Frequency :5260 MHz  
Operation Mode :Tx CH Low  
EUT Pol. :E2 Plan

Test Date :2019-05-16  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



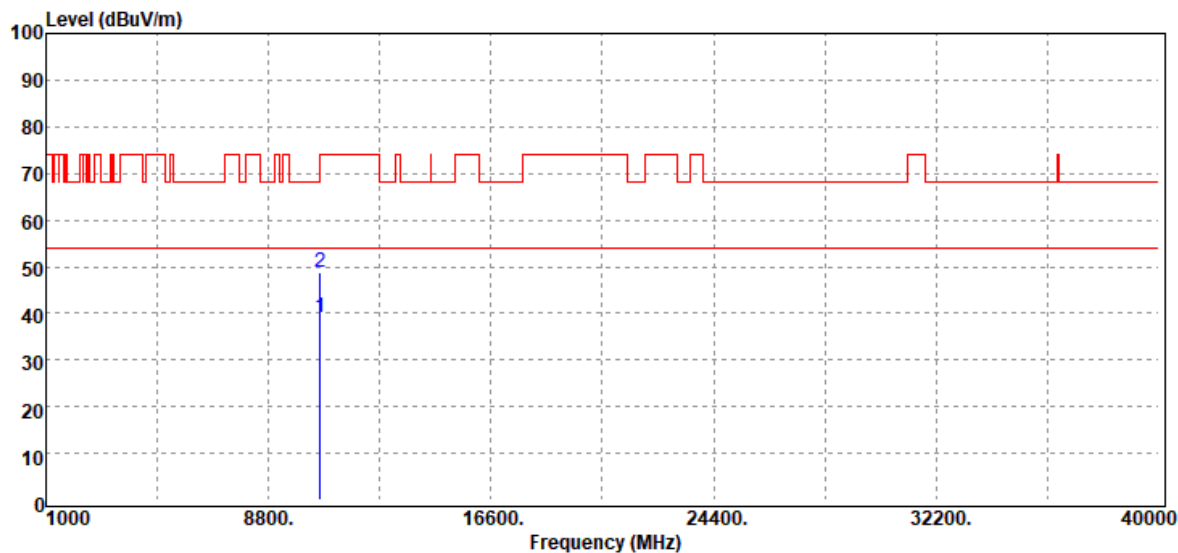
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10520.00 | Peak     | 34.43         | 15.99  | 50.42  | 68.20  | -17.78 |

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|                       |                  |                          |             |
|-----------------------|------------------|--------------------------|-------------|
| Project Number        | :T190506W05      | Test Date                | :2019-05-16 |
| Operation Band        | :802.11a / Band2 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5300 MHz        | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Mid       | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan         |                          |             |



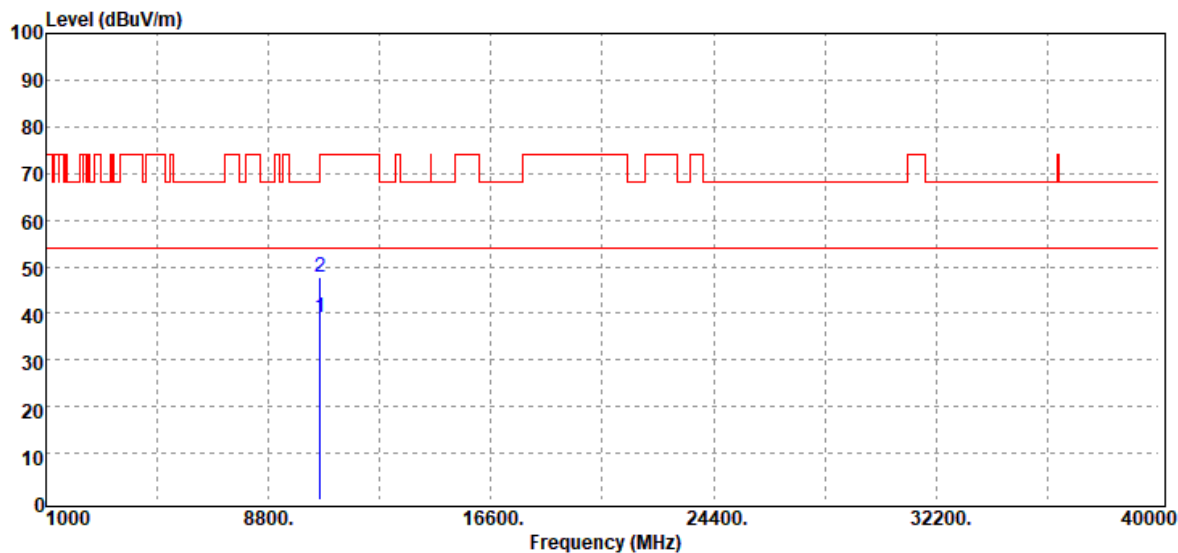
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10600.00     | Average                      | 23.74                             | 15.27        | 39.01                  | 54.00                  | -14.99       |
| 10600.00     | Peak                         | 33.38                             | 15.27        | 48.65                  | 74.00                  | -25.35       |

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|                       |                  |                          |             |
|-----------------------|------------------|--------------------------|-------------|
| Project Number        | :T190506W05      | Test Date                | :2019-05-16 |
| Operation Band        | :802.11a / Band2 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5300 MHz        | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Mid       | Measurement Antenna Pol. | :HORIZONTAL |
| EUT Pol.              | :E2 Plan         |                          |             |



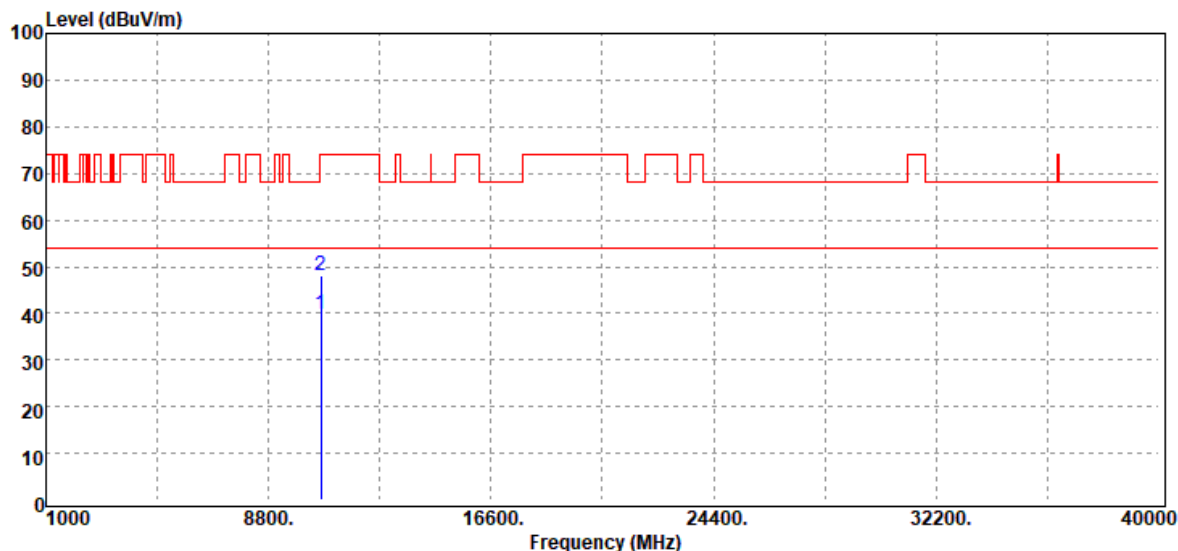
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10600.00 | Average  | 23.85         | 15.27  | 39.12  | 54.00  | -14.88 |
| 10600.00 | Peak     | 32.42         | 15.27  | 47.69  | 74.00  | -26.31 |

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|                       |                  |                          |             |
|-----------------------|------------------|--------------------------|-------------|
| Project Number        | :T190506W05      | Test Date                | :2019-05-16 |
| Operation Band        | :802.11a / Band2 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5320 MHz        | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH High      | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan         |                          |             |



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10640.00 | Average  | 23.76         | 16.05  | 39.81  | 54.00  | -14.19 |
| 10640.00 | Peak     | 32.11         | 16.05  | 48.16  | 74.00  | -25.84 |

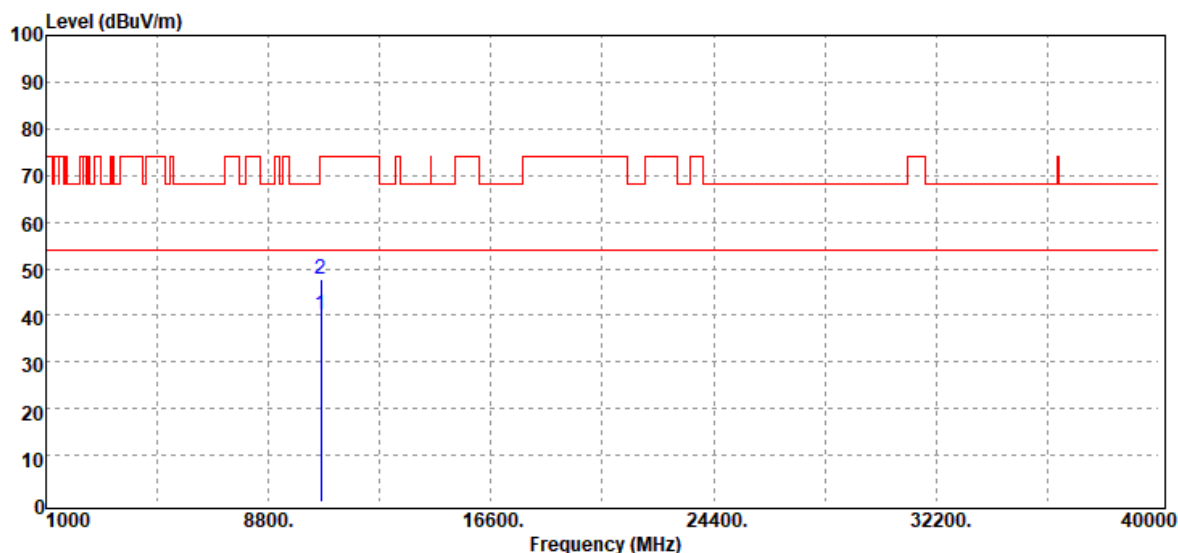
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Project Number :T190506W05  
Operation Band :802.11a / Band2  
Fundamental Frequency :5320 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-16  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10640.00 | Average  | 24.02         | 16.05  | 40.07  | 54.00  | -13.93 |
| 10640.00 | Peak     | 31.87         | 16.05  | 47.92  | 74.00  | -26.08 |

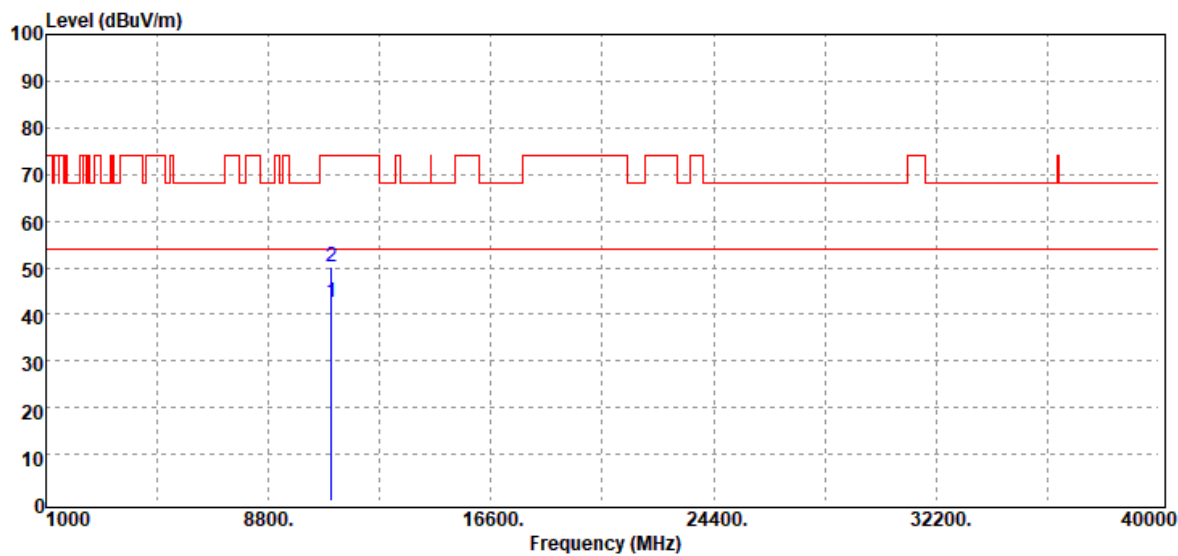
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**Radiated Spurious Emission Measurement Result 802.11a 5470~5725 MHz**

|                       |                  |                          |             |
|-----------------------|------------------|--------------------------|-------------|
| Project Number        | :T190506W05      | Test Date                | :2019-05-18 |
| Operation Band        | :802.11a / Band3 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5500 MHz        | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low       | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan         |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Average                      | 25.12                             | 17.44        | 42.56                  | 54.00                  | -11.44       |
| 11000.00     | Peak                         | 32.86                             | 17.44        | 50.30                  | 74.00                  | -23.70       |

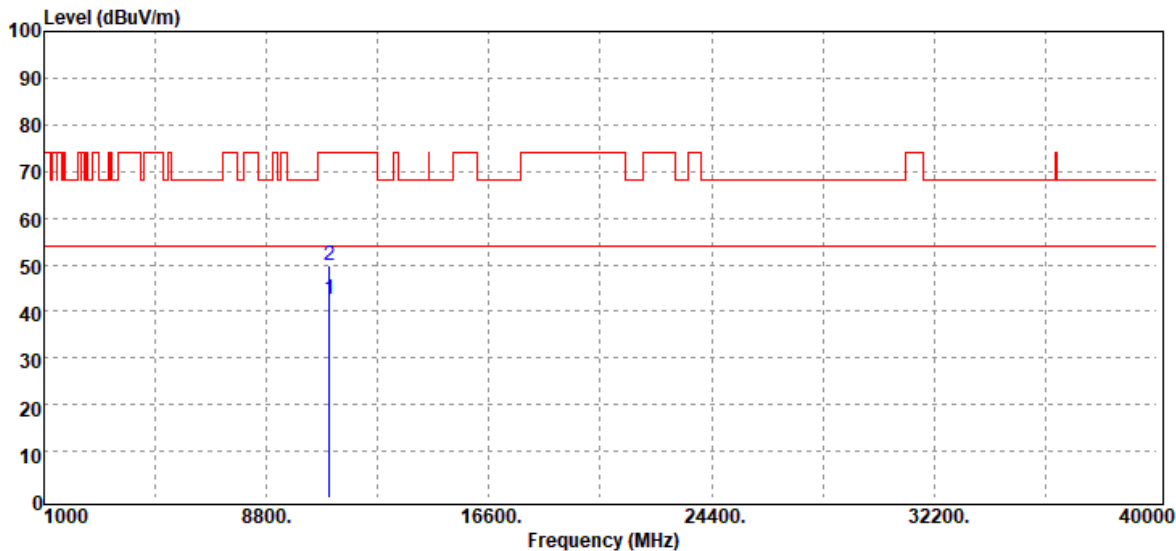
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Project Number :T190506W05  
Operation Band :802.11a / Band3  
Fundamental Frequency :5500 MHz  
Operation Mode :Tx CH Low  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Average                      | 25.17                             | 17.44        | 42.61                  | 54.00                  | -11.39       |
| 11000.00     | Peak                         | 32.40                             | 17.44        | 49.84                  | 74.00                  | -24.16       |

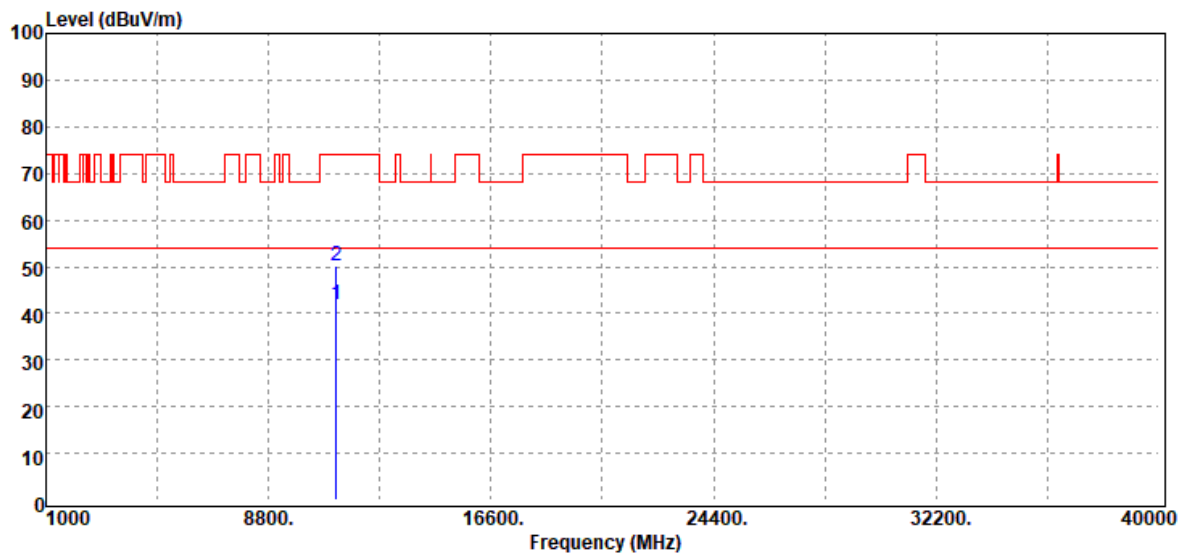
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|                       |                  |                          |             |
|-----------------------|------------------|--------------------------|-------------|
| Project Number        | :T190506W05      | Test Date                | :2019-05-18 |
| Operation Band        | :802.11a / Band3 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5580 MHz        | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Mid       | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan         |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.00     | Average                      | 25.04                             | 16.85        | 41.89                  | 54.00                  | -12.11       |
| 11160.00     | Peak                         | 33.25                             | 16.85        | 50.10                  | 74.00                  | -23.90       |

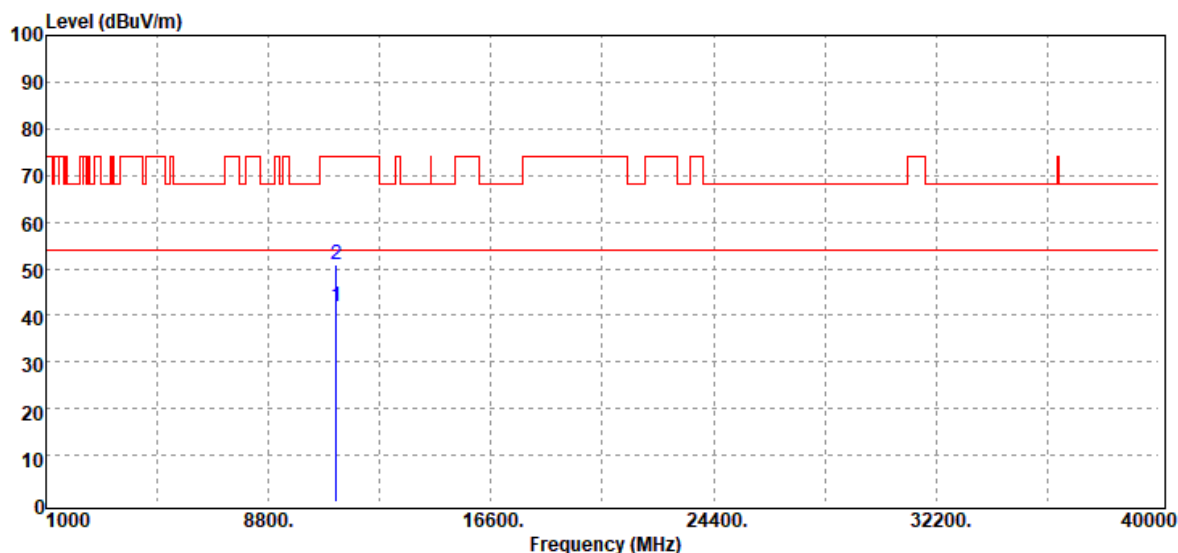
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Project Number :T190506W05  
Operation Band :802.11a / Band3  
Fundamental Frequency :5580 MHz  
Operation Mode :Tx CH Mid  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



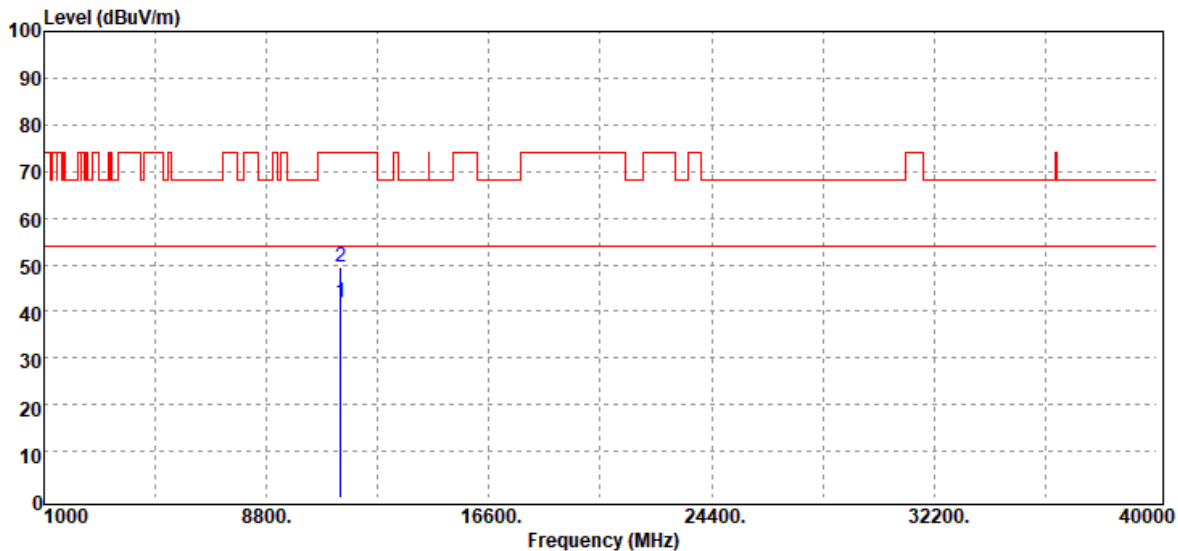
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 11160.00 | Average  | 24.98         | 16.85  | 41.83  | 54.00  | -12.17 |
| 11160.00 | Peak     | 33.92         | 16.85  | 50.77  | 74.00  | -23.23 |

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|                       |                  |                          |             |
|-----------------------|------------------|--------------------------|-------------|
| Project Number        | :T190506W05      | Test Date                | :2019-05-18 |
| Operation Band        | :802.11a / Band3 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5700 MHz        | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH High      | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan         |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.00     | Average                      | 25.09                             | 16.89        | 41.98                  | 54.00                  | -12.02       |
| 11400.00     | Peak                         | 32.62                             | 16.89        | 49.51                  | 74.00                  | -24.49       |

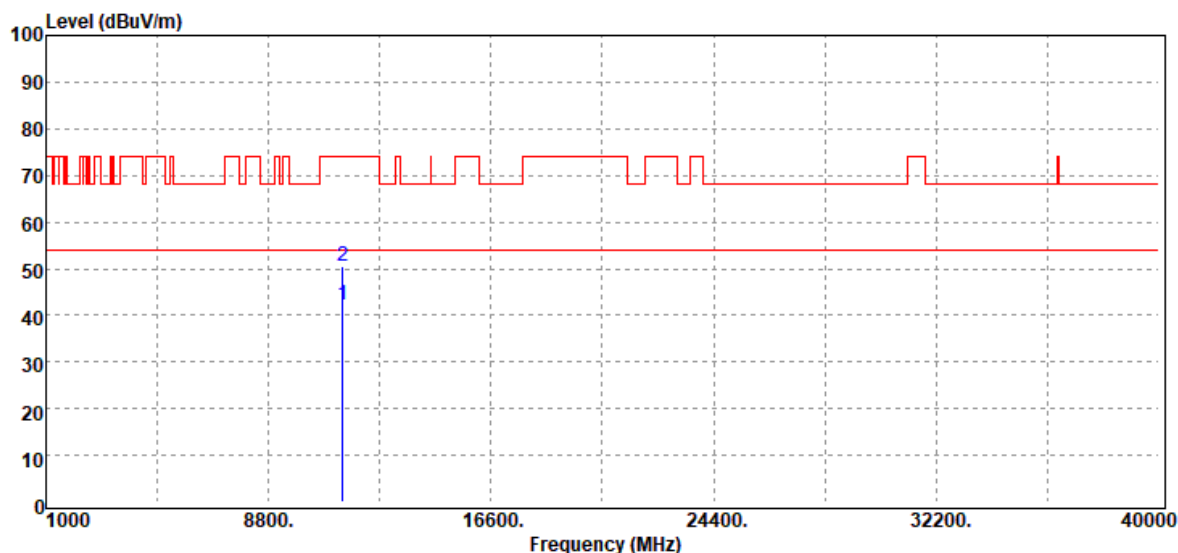
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Project Number :T190506W05  
Operation Band :802.11a / Band3  
Fundamental Frequency :5700 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



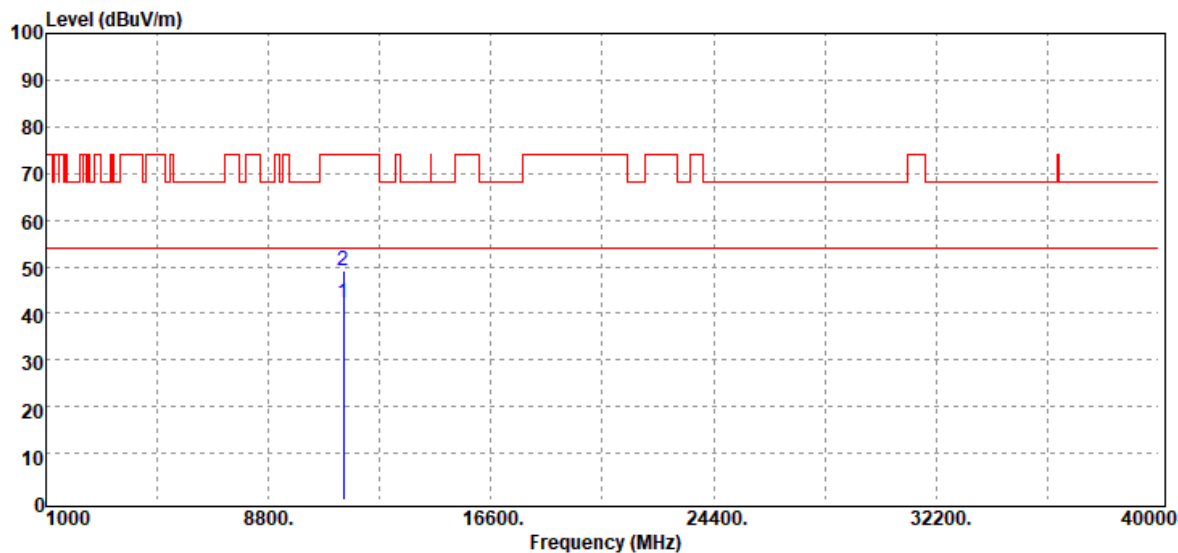
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 11400.00 | Average  | 25.25         | 16.89  | 42.14  | 54.00  | -11.86 |
| 11400.00 | Peak     | 33.46         | 16.89  | 50.35  | 74.00  | -23.65 |

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|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11a / Band3/4 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5720 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH 144         | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |



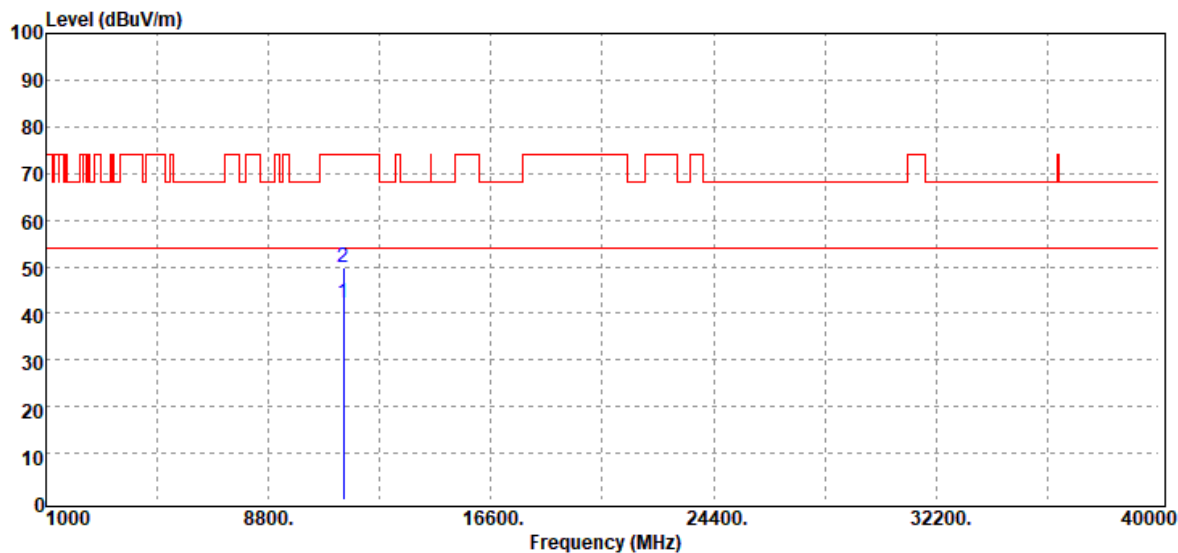
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11440.00     | Average                      | 25.02                             | 17.09        | 42.11                  | 54.00                  | -11.89       |
| 11440.00     | Peak                         | 32.20                             | 17.09        | 49.29                  | 74.00                  | -24.71       |

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|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11a / Band3/4 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5720 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH 144         | Measurement Antenna Pol. | :HORIZONTAL |
| EUT Pol.              | :E2 Plan           |                          |             |



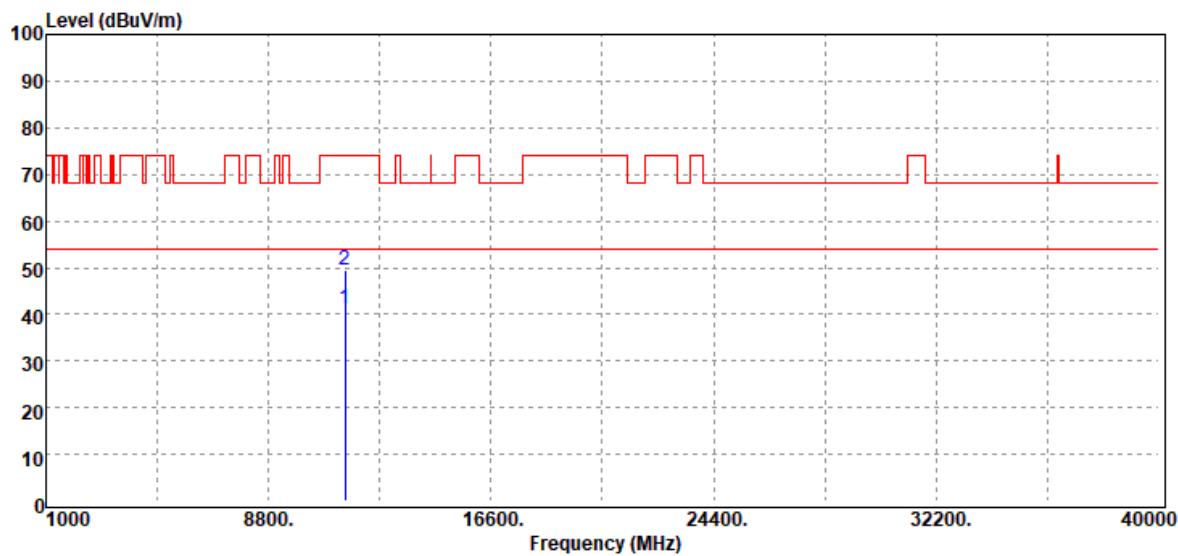
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 11440.00 | Average  | 25.07         | 17.09  | 42.16  | 54.00  | -11.84 |
| 11440.00 | Peak     | 32.72         | 17.09  | 49.81  | 74.00  | -24.19 |

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**Radiated Spurious Emission Measurement Result 802.11a 5725~5850 MHz**

|                       |                  |                          |             |
|-----------------------|------------------|--------------------------|-------------|
| Project Number        | :T190506W05      | Test Date                | :2019-05-18 |
| Operation Band        | :802.11a / Band4 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5745 MHz        | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low       | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan         |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.00     | Average                      | 25.11                             | 15.95        | 41.06                  | 54.00                  | -12.94       |
| 11490.00     | Peak                         | 33.65                             | 15.95        | 49.60                  | 74.00                  | -24.40       |

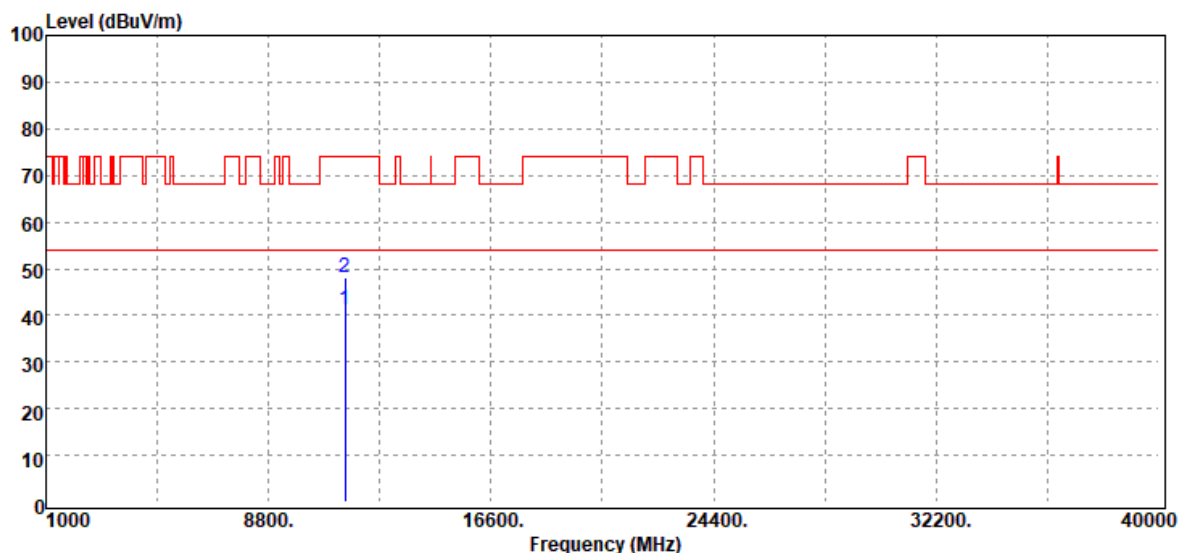
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Project Number :T190506W05  
Operation Band :802.11a / Band4  
Fundamental Frequency :5745 MHz  
Operation Mode :Tx CH Low  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 11490.00 | Average  | 25.06         | 15.95  | 41.01  | 54.00  | -12.99 |
| 11490.00 | Peak     | 32.01         | 15.95  | 47.96  | 74.00  | -26.04 |

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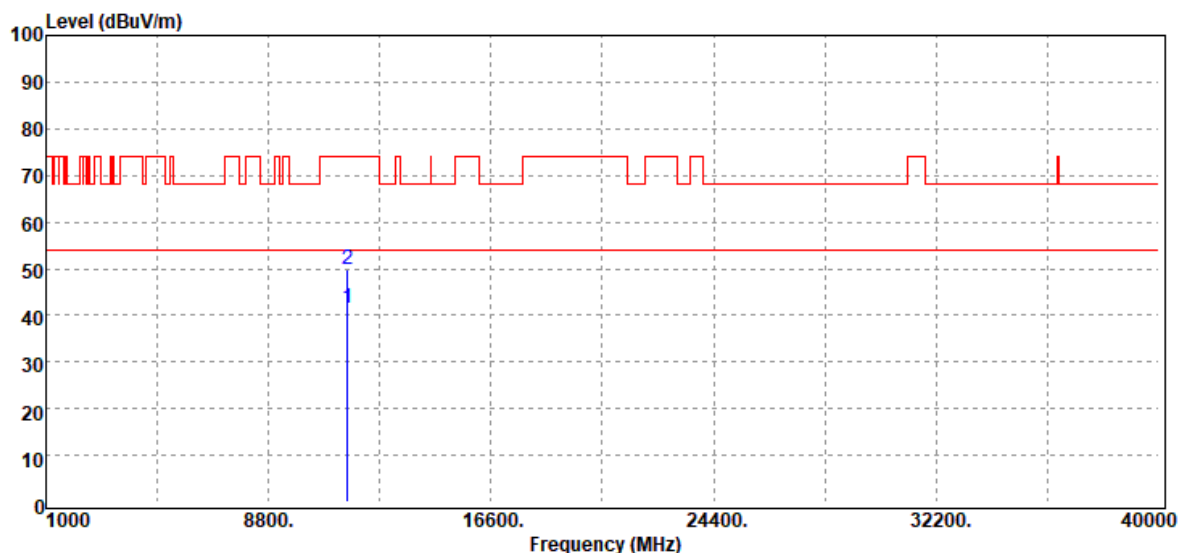
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Project Number :T190506W05  
Operation Band :802.11a / Band4  
Fundamental Frequency :5785 MHz  
Operation Mode :Tx CH Mid  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :VERTICAL



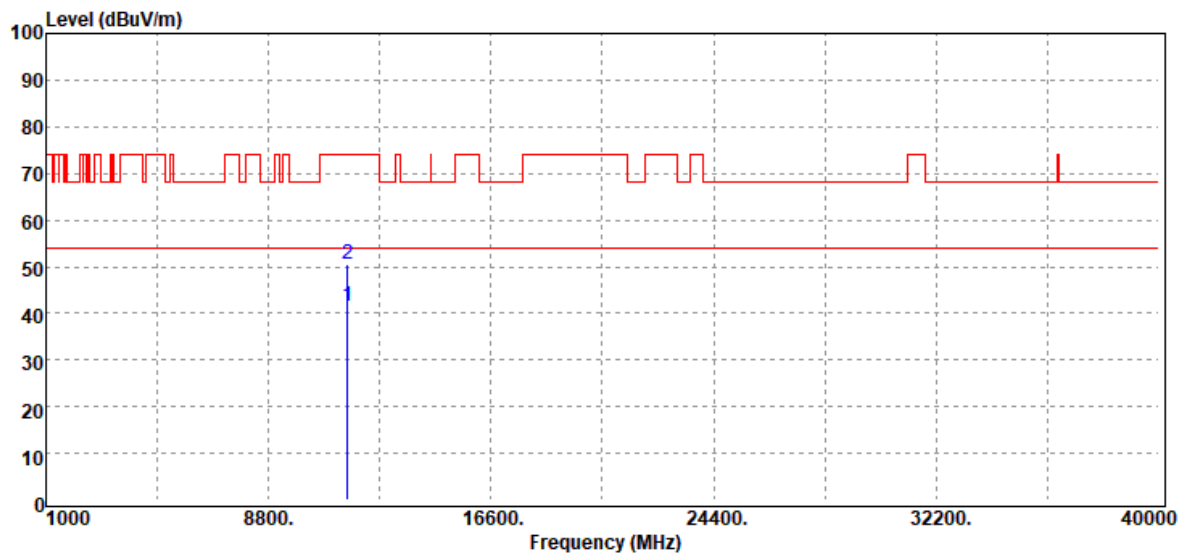
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 11570.00 | Average  | 25.11         | 16.41  | 41.52  | 54.00  | -12.48 |
| 11570.00 | Peak     | 33.27         | 16.41  | 49.68  | 74.00  | -24.32 |

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|                       |                  |                          |             |
|-----------------------|------------------|--------------------------|-------------|
| Project Number        | :T190506W05      | Test Date                | :2019-05-18 |
| Operation Band        | :802.11a / Band4 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5785 MHz        | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Mid       | Measurement Antenna Pol. | :HORIZONTAL |
| EUT Pol.              | :E2 Plan         |                          |             |



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 11570.00 | Average  | 24.99         | 16.41  | 41.40  | 54.00  | -12.60 |
| 11570.00 | Peak     | 33.95         | 16.41  | 50.36  | 74.00  | -23.64 |

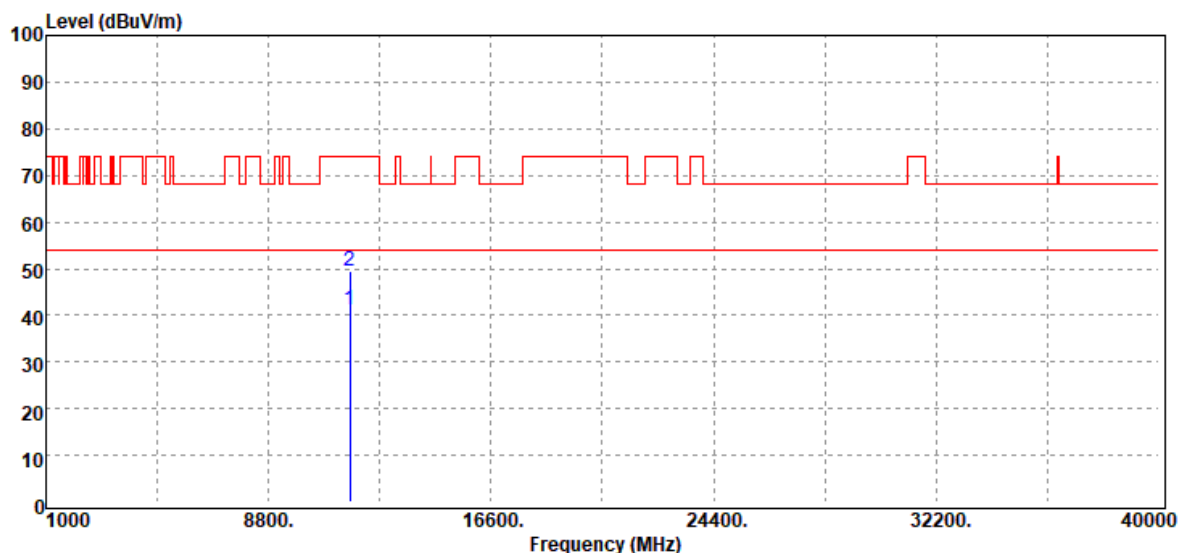
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Project Number :T190506W05  
 Operation Band :802.11a / Band4  
 Fundamental Frequency :5825 MHz  
 Operation Mode :Tx CH High  
 EUT Pol. :E2 Plan

Test Date :2019-05-18  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :VERTICAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 11650.00 | Average  | 25.08         | 16.21  | 41.29  | 54.00  | -12.71 |
| 11650.00 | Peak     | 33.41         | 16.21  | 49.62  | 74.00  | -24.38 |

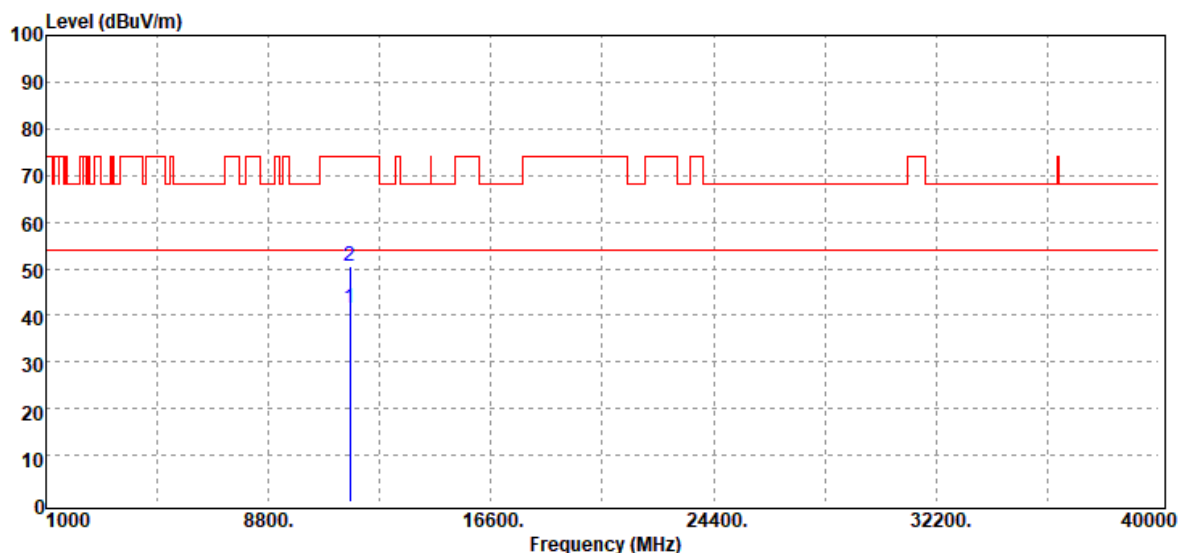
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Project Number :T190506W05  
Operation Band :802.11a / Band4  
Fundamental Frequency :5825 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 11650.00 | Average  | 25.21         | 16.21  | 41.42  | 54.00  | -12.58 |
| 11650.00 | Peak     | 34.17         | 16.21  | 50.38  | 74.00  | -23.62 |

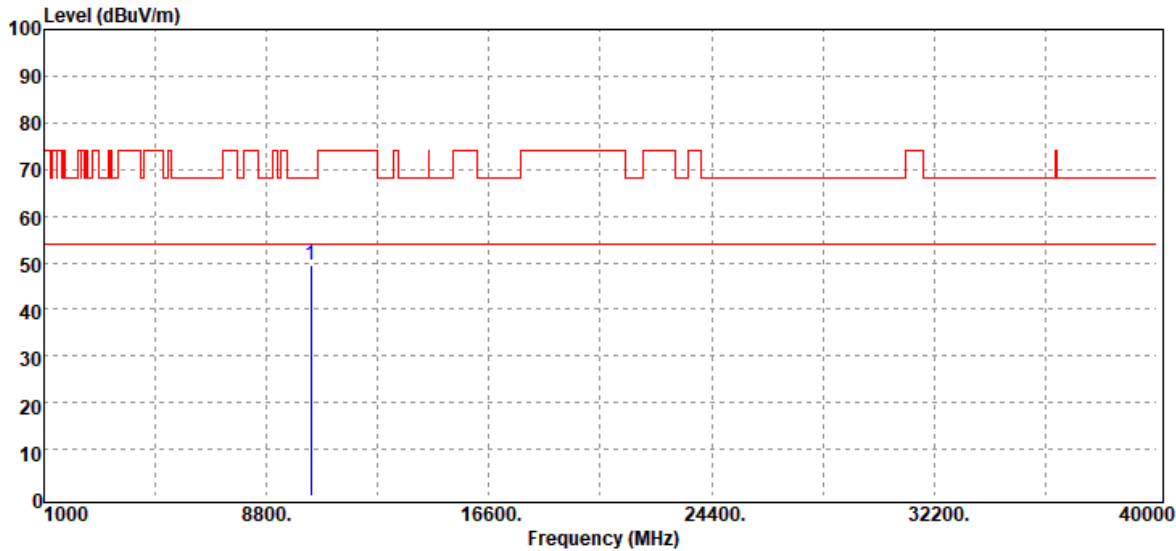
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## Radiated Spurious Emission Measurement Result 802.11n HT20 5150~5250 MHz

|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n20 / Band1 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5180 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low         | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.00     | Peak                         | 34.79                             | 14.73        | 49.52                  | 68.20                  | -18.68       |

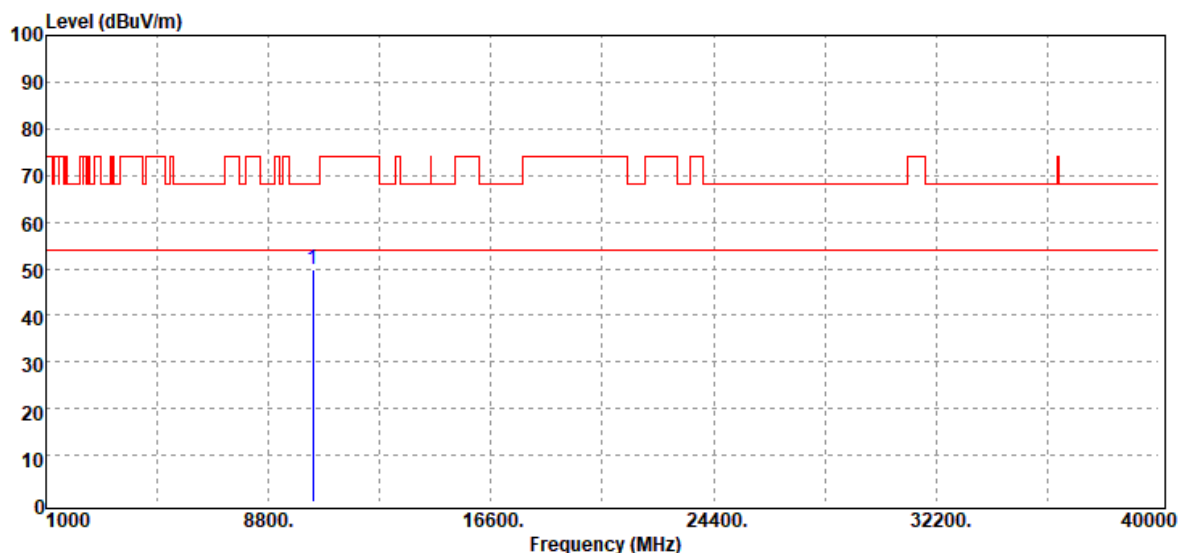
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Project Number :T190506W05  
Operation Band :802.11n20 / Band1  
Fundamental Frequency :5180 MHz  
Operation Mode :Tx CH Low  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10360.00 | Peak     | 35.18         | 14.73  | 49.91  | 68.20  | -18.29 |

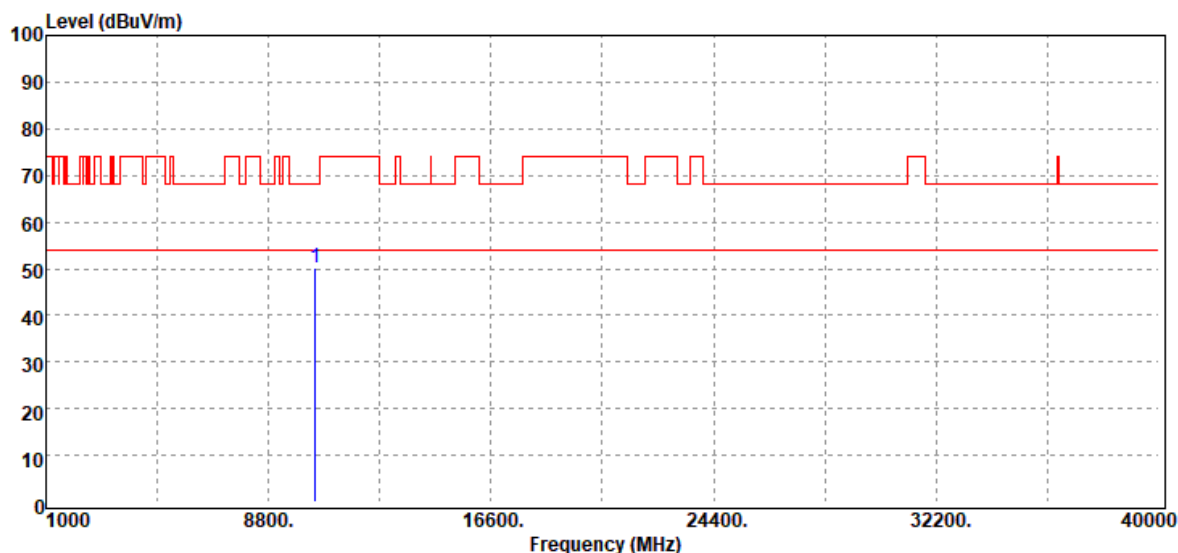
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Project Number :T190506W05  
Operation Band :802.11n20 / Band1  
Fundamental Frequency :5220 MHz  
Operation Mode :Tx CH Mid  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :VERTICAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10440.00 | Peak     | 34.41         | 15.66  | 50.07  | 68.20  | -18.13 |

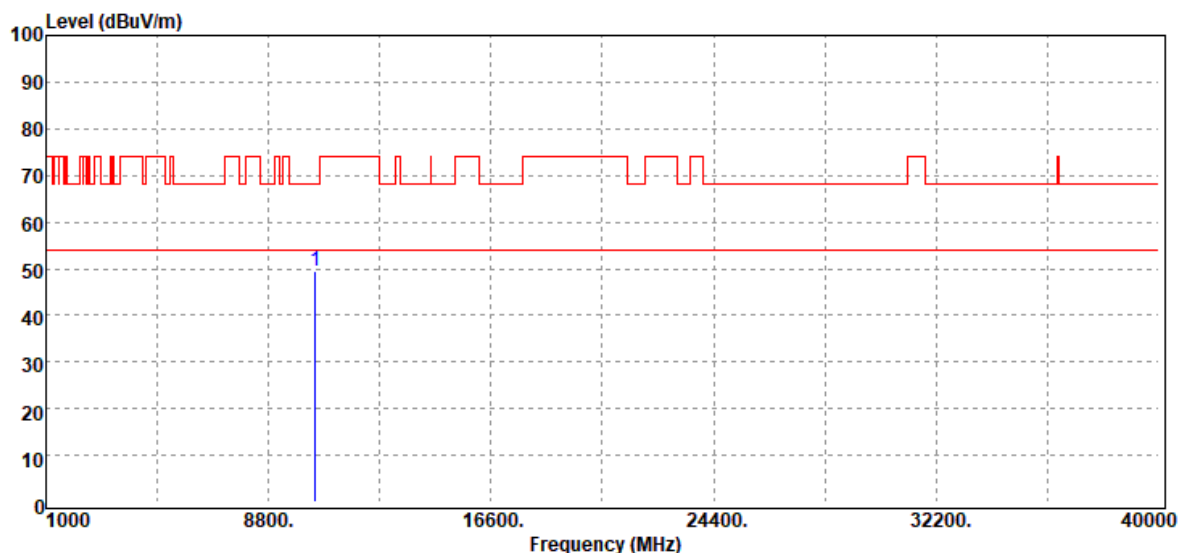
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Project Number :T190506W05  
Operation Band :802.11n20 / Band1  
Fundamental Frequency :5220 MHz  
Operation Mode :Tx CH Mid  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10440.00 | Peak     | 33.87         | 15.66  | 49.53  | 68.20  | -18.67 |

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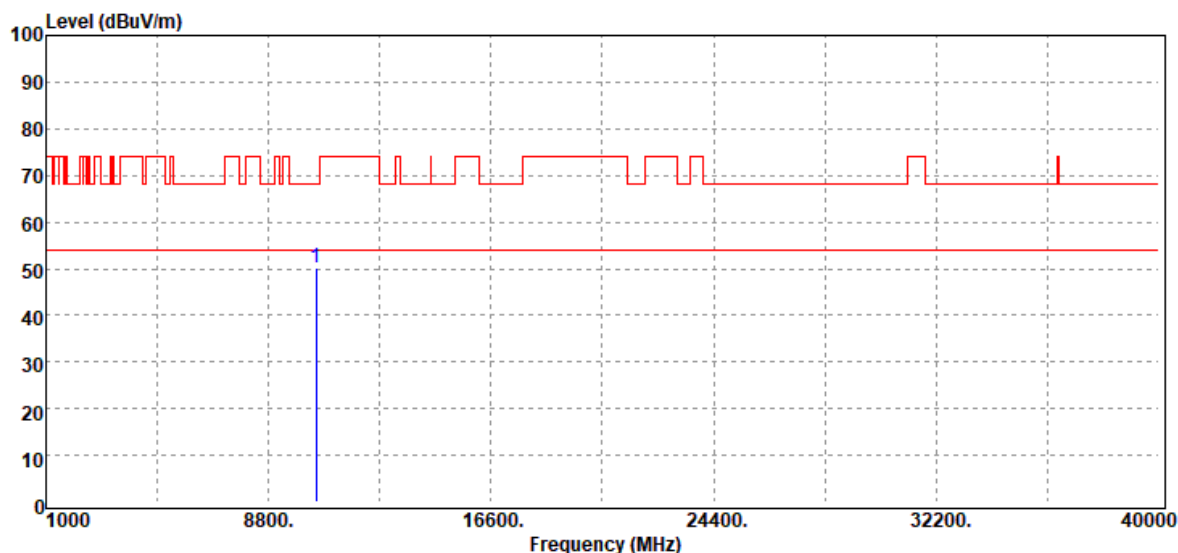
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Project Number :T190506W05  
Operation Band :802.11n20 / Band1  
Fundamental Frequency :5240 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :VERTICAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10480.00 | Peak     | 33.62         | 16.48  | 50.10  | 68.20  | -18.10 |

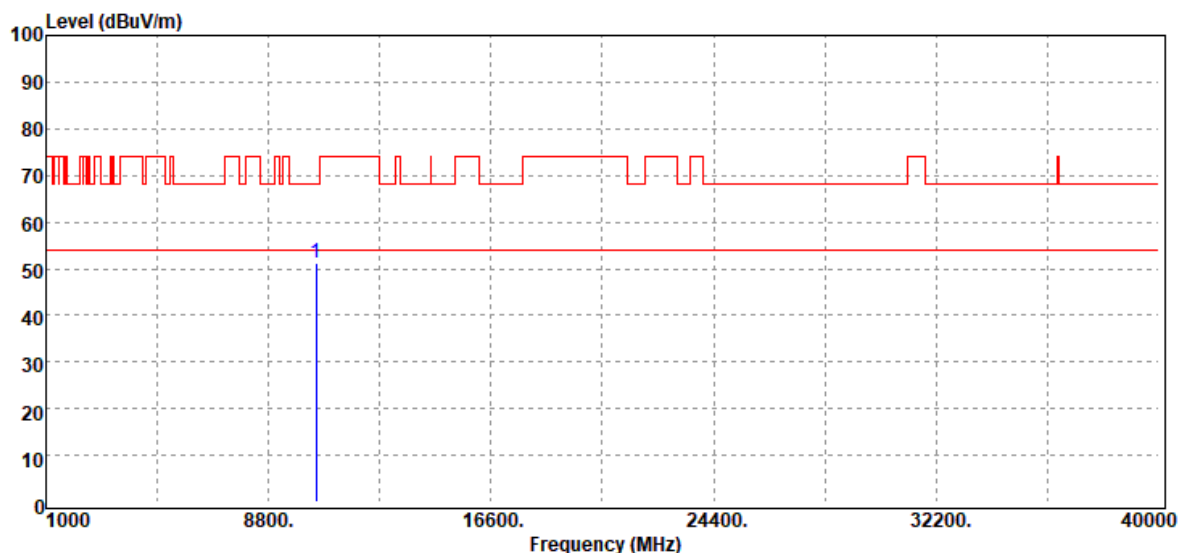
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Project Number :T190506W05  
Operation Band :802.11n20 / Band1  
Fundamental Frequency :5240 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10480.00 | Peak     | 34.86         | 16.48  | 51.34  | 68.20  | -16.86 |

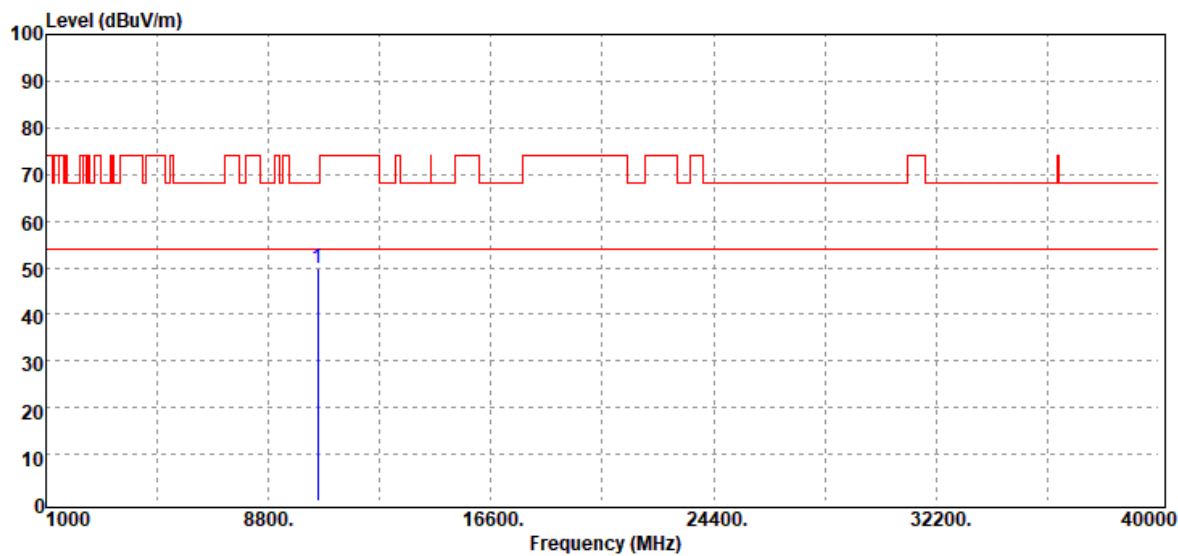
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**Radiated Spurious Emission Measurement Result 802.11n HT20 5250~5350 MHz**

|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n20 / Band2 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5260 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low         | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 33.75                             | 15.99        | 49.74                  | 68.20                  | -18.46       |

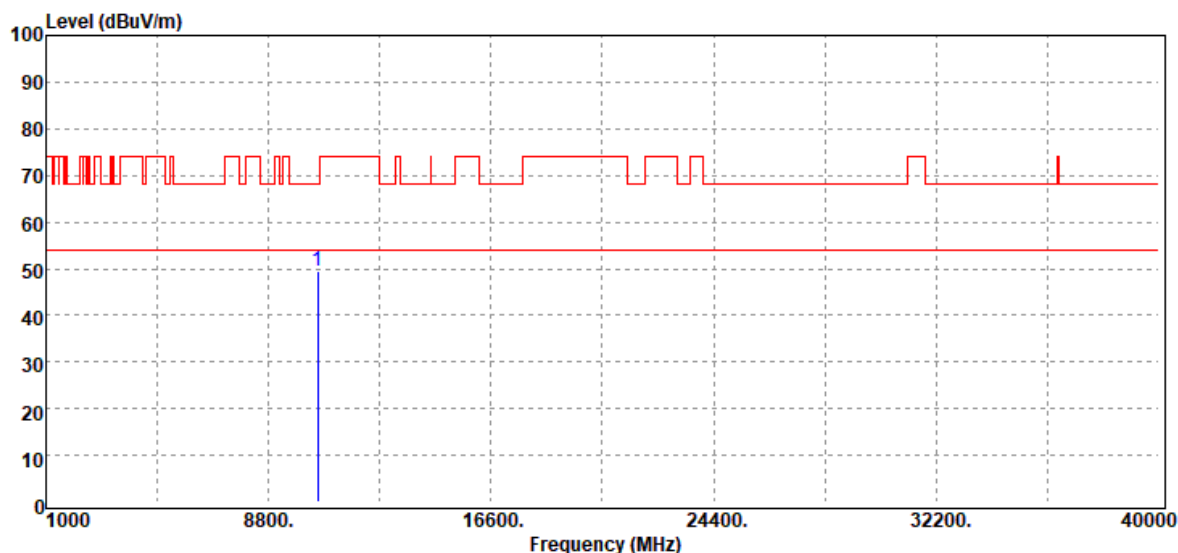
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Project Number :T190506W05  
Operation Band :802.11n20 / Band2  
Fundamental Frequency :5260 MHz  
Operation Mode :Tx CH Low  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



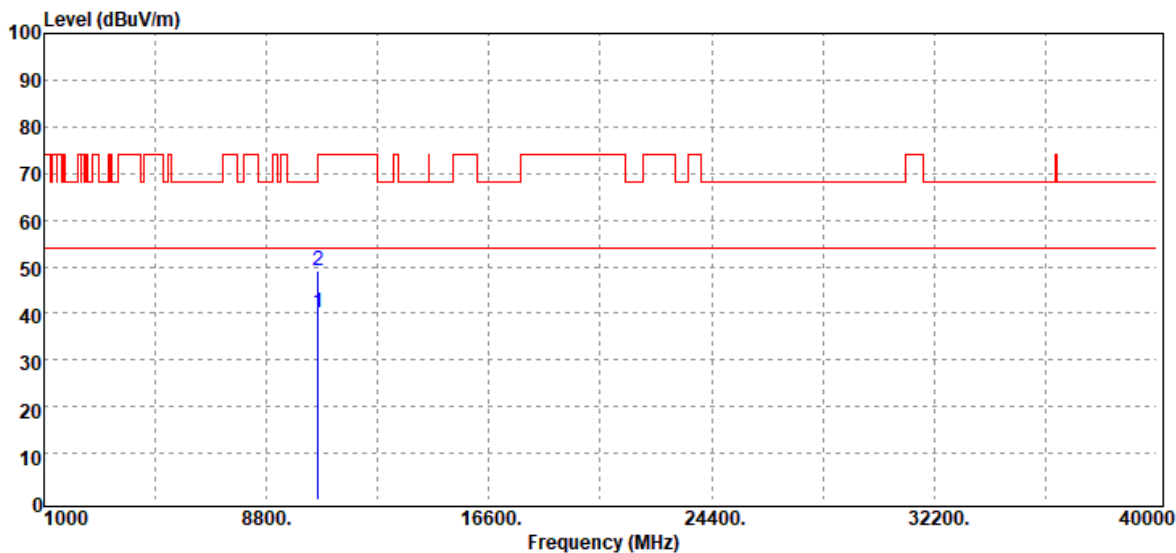
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10520.00 | Peak     | 33.58         | 15.99  | 49.57  | 68.20  | -18.63 |

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|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n20 / Band2 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5300 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Mid         | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |



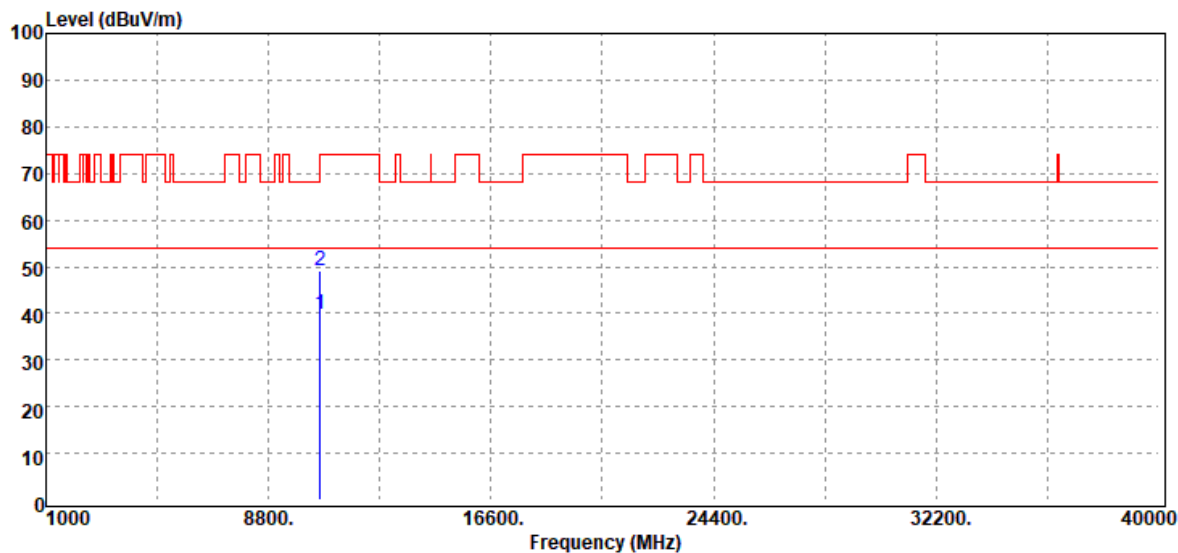
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10600.00     | Average                      | 24.85                             | 15.27        | 40.12                  | 54.00                  | -13.88       |
| 10600.00     | Peak                         | 33.92                             | 15.27        | 49.19                  | 74.00                  | -24.81       |

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|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n20 / Band2 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5300 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Mid         | Measurement Antenna Pol. | :HORIZONTAL |
| EUT Pol.              | :E2 Plan           |                          |             |

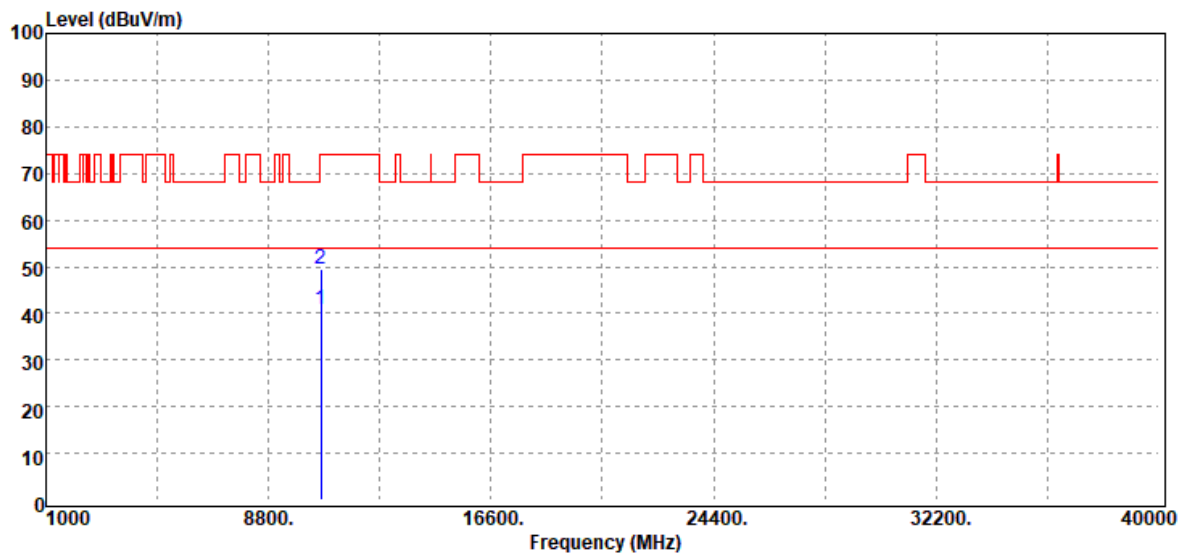


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10600.00     | Average                      | 24.37                             | 15.27        | 39.64                  | 54.00                  | -14.36       |
| 10600.00     | Peak                         | 33.98                             | 15.27        | 49.25                  | 74.00                  | -24.75       |

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|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n20 / Band2 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5320 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH High        | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |



| Freq.    | Detector Mode | Spectrum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------------|------------------------|--------|-----------|-----------|--------|
| MHz      | PK/QP/AV      | dBμV                   | dB     | dBμV/m    | dBμV/m    | dB     |
| 10640.00 | Average       | 24.87                  | 16.05  | 40.92     | 54.00     | -13.08 |
| 10640.00 | Peak          | 33.38                  | 16.05  | 49.43     | 74.00     | -24.57 |

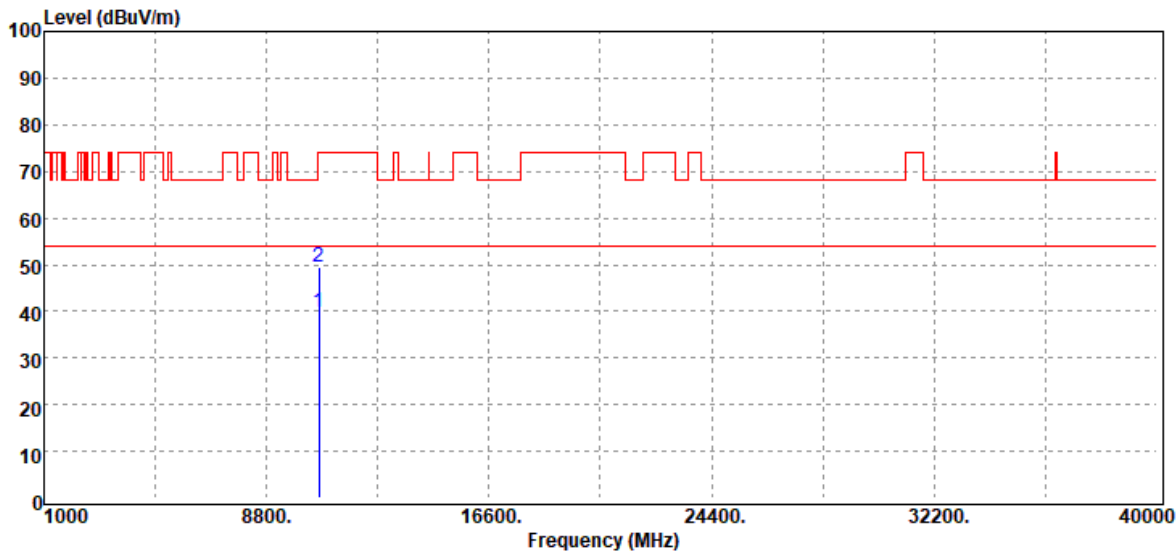
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Project Number :T190506W05  
Operation Band :802.11n20 / Band2  
Fundamental Frequency :5320 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.00     | Average                      | 23.78                             | 16.05        | 39.83                  | 54.00                  | -14.17       |
| 10640.00     | Peak                         | 33.57                             | 16.05        | 49.62                  | 74.00                  | -24.38       |

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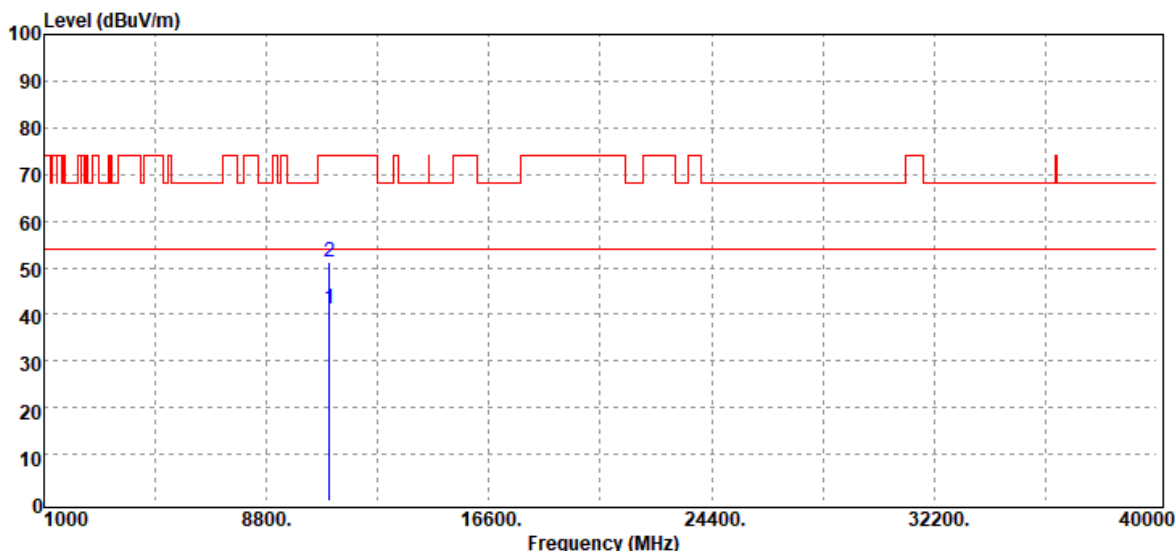
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# Radiated Spurious Emission Measurement Result 802.11n HT20 5470~5725 MHz

|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n20 / Band3 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5500 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low         | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |

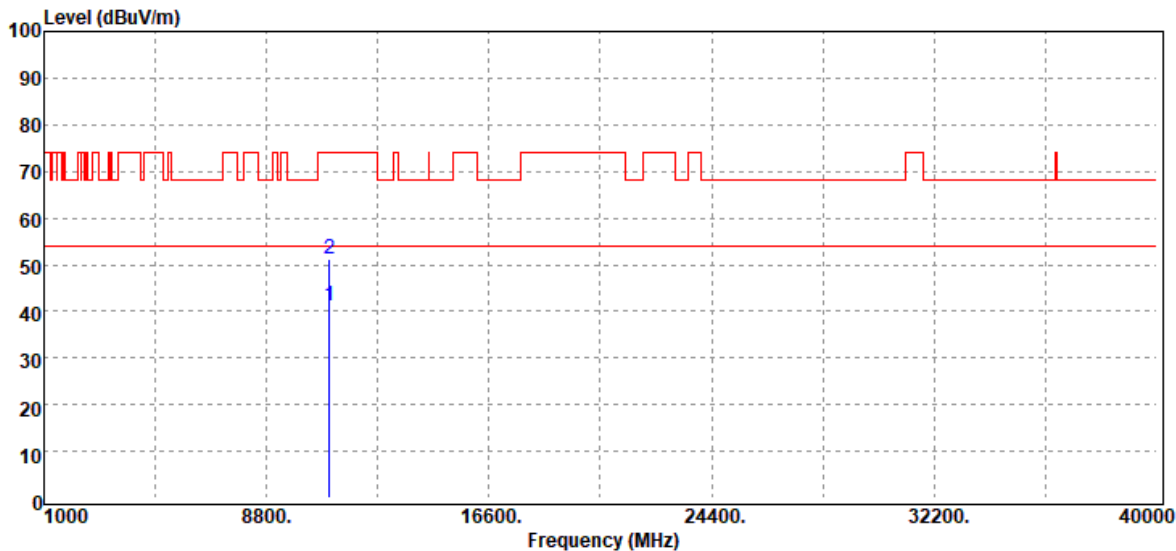


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Average                      | 23.81                             | 17.44        | 41.25                  | 54.00                  | -12.75       |
| 11000.00     | Peak                         | 33.83                             | 17.44        | 51.27                  | 74.00                  | -22.73       |

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|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n20 / Band3 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5500 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low         | Measurement Antenna Pol. | :HORIZONTAL |
| EUT Pol.              | :E2 Plan           |                          |             |



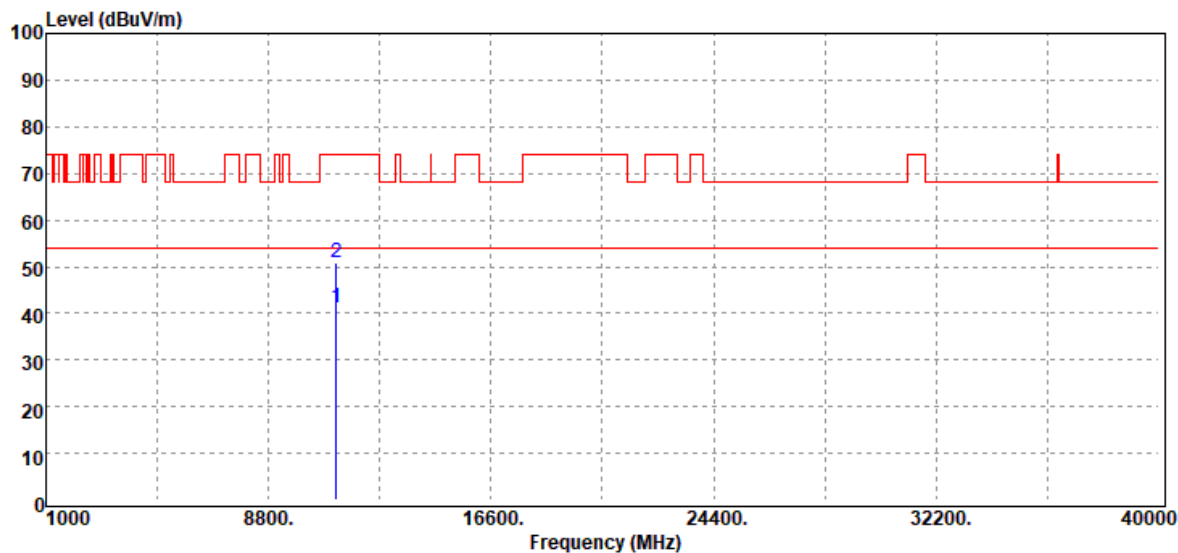
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Average                      | 23.79                             | 17.44        | 41.23                  | 54.00                  | -12.77       |
| 11000.00     | Peak                         | 33.90                             | 17.44        | 51.34                  | 74.00                  | -22.66       |

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|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n20 / Band3 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5580 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Mid         | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |



| Freq.    | Detector Mode | Spectrum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------------|------------------------|--------|-----------|-----------|--------|
| MHz      | PK/QP/AV      | dBμV                   | dB     | dBμV/m    | dBμV/m    | dB     |
| 11160.00 | Average       | 24.32                  | 16.85  | 41.17     | 54.00     | -12.83 |
| 11160.00 | Peak          | 34.18                  | 16.85  | 51.03     | 74.00     | -22.97 |

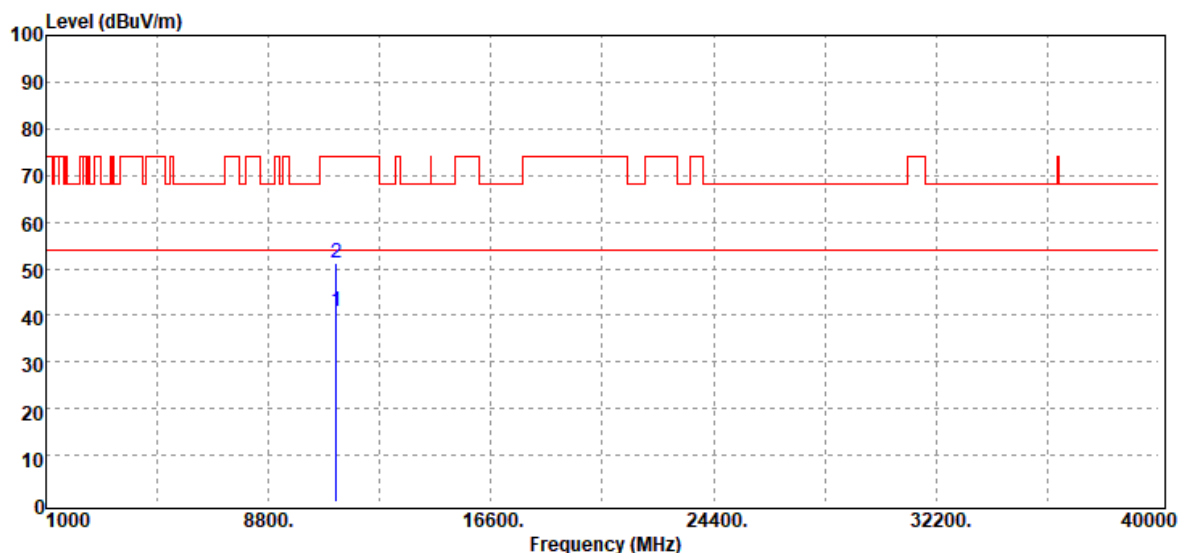
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Project Number :T190506W05  
 Operation Band :802.11n20 / Band3  
 Fundamental Frequency :5580 MHz  
 Operation Mode :Tx CH Mid  
 EUT Pol. :E2 Plan

Test Date :2019-05-18  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.00     | Average                      | 24.13                             | 16.85        | 40.98                  | 54.00                  | -13.02       |
| 11160.00     | Peak                         | 34.51                             | 16.85        | 51.36                  | 74.00                  | -22.64       |

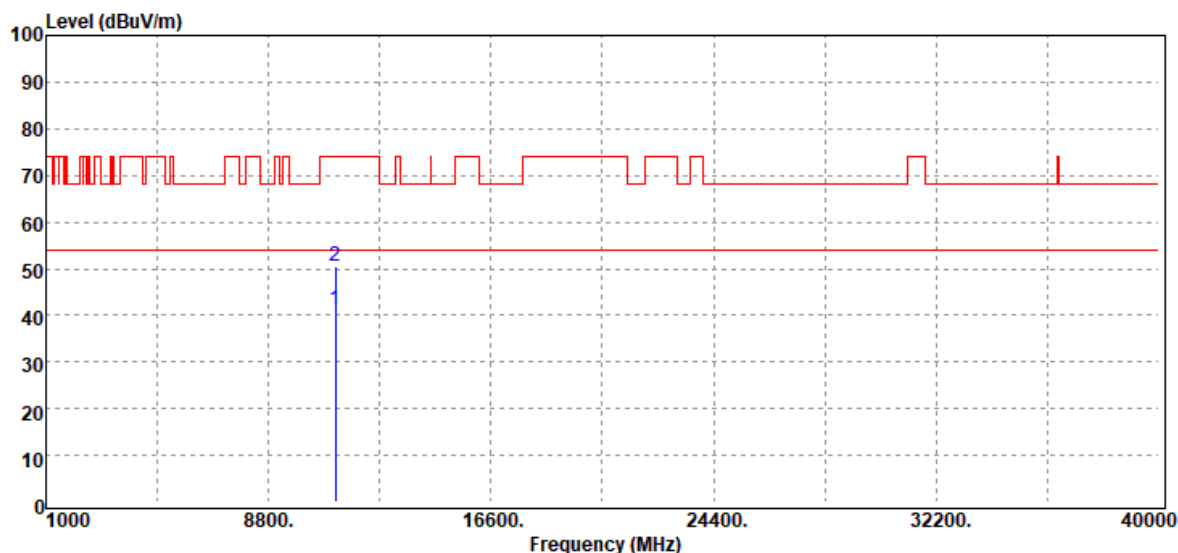
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Project Number :T190506W05  
Operation Band :802.11n20 / Band3  
Fundamental Frequency :5700 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :VERTICAL



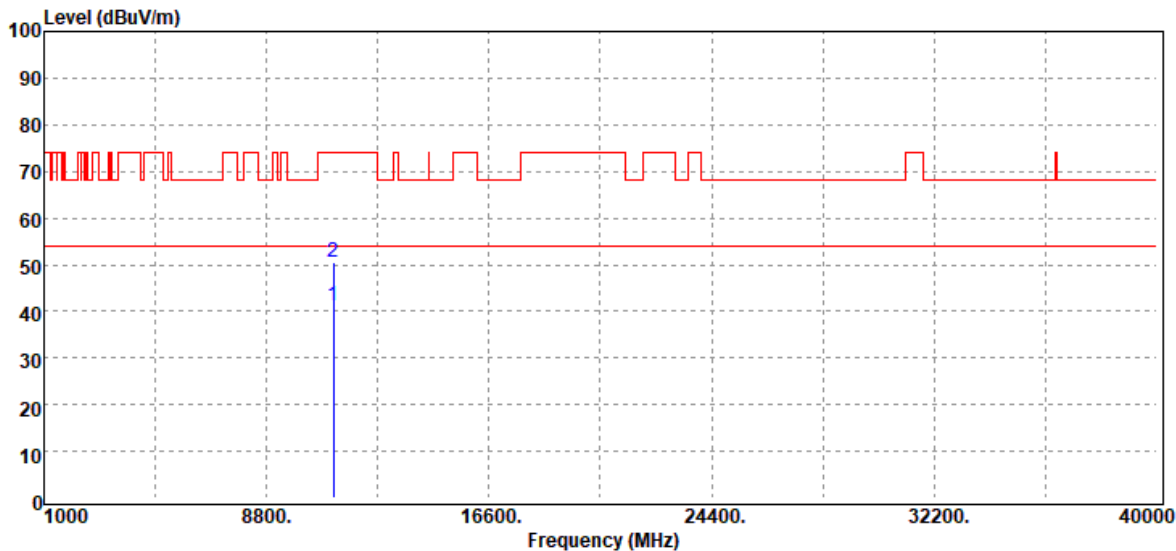
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 11140.00 | Average  | 24.16         | 17.00  | 41.16  | 54.00  | -12.84 |
| 11140.00 | Peak     | 33.44         | 17.00  | 50.44  | 74.00  | -23.56 |

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|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n20 / Band3 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5700 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH High        | Measurement Antenna Pol. | :HORIZONTAL |
| EUT Pol.              | :E2 Plan           |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11140.00     | Average                      | 24.17                             | 17.00        | 41.17                  | 54.00                  | -12.83       |
| 11140.00     | Peak                         | 33.40                             | 17.00        | 50.40                  | 74.00                  | -23.60       |

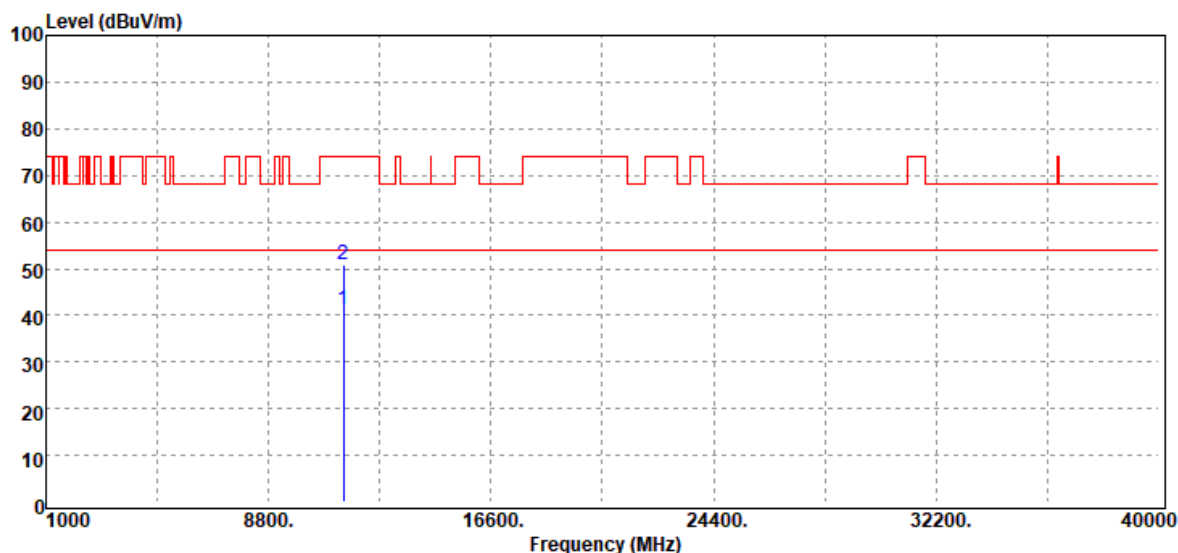
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Project Number :T190506W05  
 Operation Band :802.11n20/ Band3/4  
 Fundamental Frequency :5720 MHz  
 Operation Mode :Tx CH 144  
 EUT Pol. :E2 Plan

Test Date :2019-05-18  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :VERTICAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11440.00     | Average                      | 23.93                             | 17.09        | 41.02                  | 54.00                  | -12.98       |
| 11440.00     | Peak                         | 33.74                             | 17.09        | 50.83                  | 74.00                  | -23.17       |

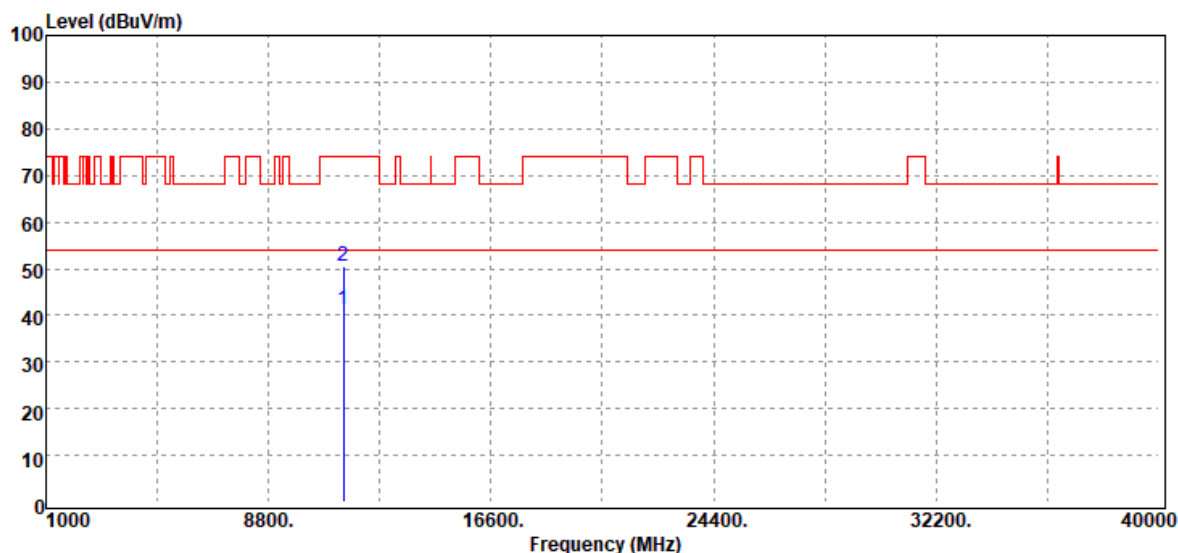
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Project Number :T190506W05  
 Operation Band :802.11n20/ Band3/4  
 Fundamental Frequency :5720 MHz  
 Operation Mode :Tx CH 144  
 EUT Pol. :E2 Plan

Test Date :2019-05-18  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11440.00     | Average                      | 24.05                             | 17.09        | 41.14                  | 54.00                  | -12.86       |
| 11440.00     | Peak                         | 33.42                             | 17.09        | 50.51                  | 74.00                  | -23.49       |

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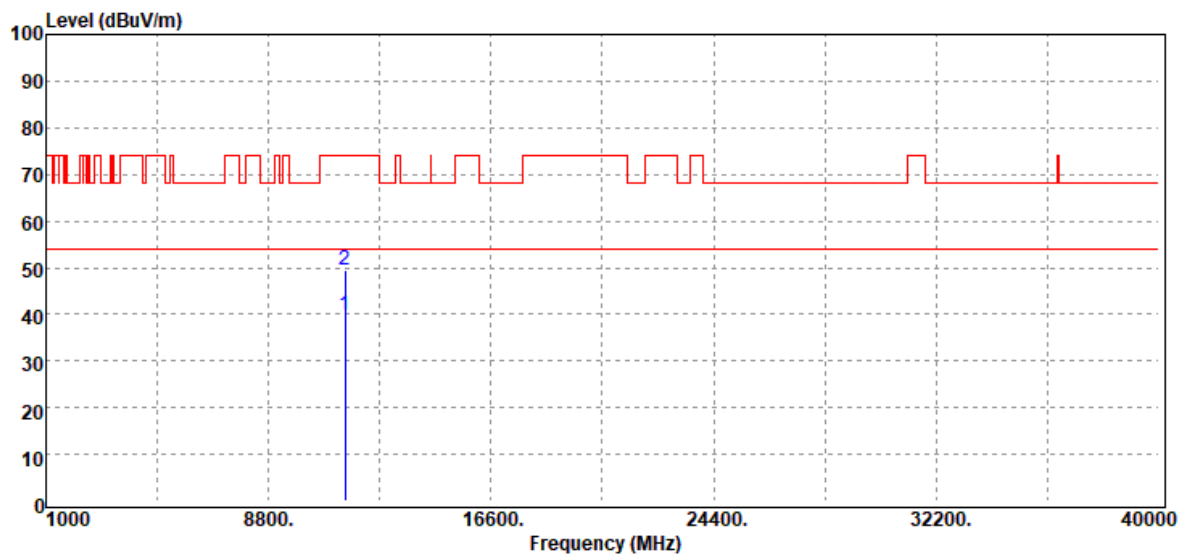
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**Radiated Spurious Emission Measurement Result 802.11n HT20 5725~5850 MHz**

|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n20 / Band4 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5745 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low         | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.00     | Average                      | 23.89                             | 15.95        | 39.84                  | 54.00                  | -14.16       |
| 11490.00     | Peak                         | 33.58                             | 15.95        | 49.53                  | 74.00                  | -24.47       |

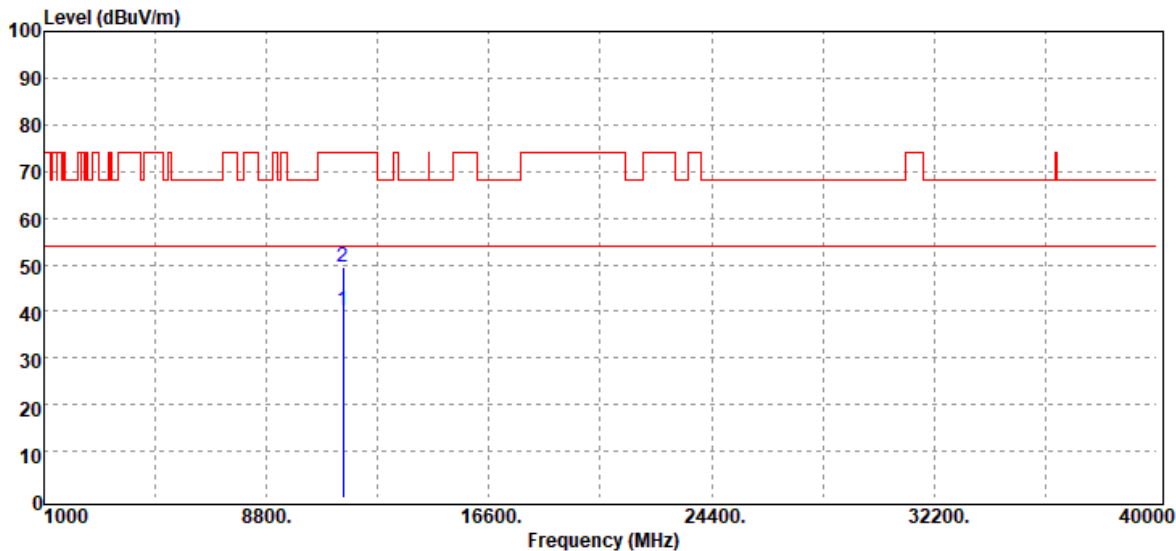
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Project Number :T190506W05  
Operation Band :802.11n20 / Band4  
Fundamental Frequency :5745 MHz  
Operation Mode :Tx CH Low  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.00     | Average                      | 24.26                             | 15.95        | 40.21                  | 54.00                  | -13.79       |
| 11490.00     | Peak                         | 33.61                             | 15.95        | 49.56                  | 74.00                  | -24.44       |

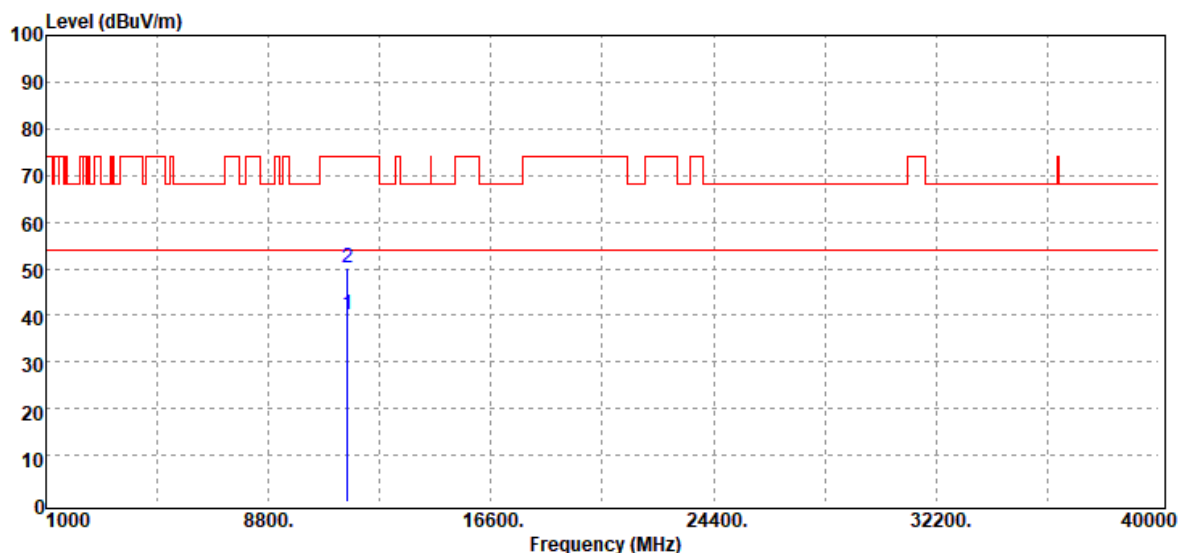
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Project Number :T190506W05  
Operation Band :802.11n20 / Band4  
Fundamental Frequency :5785 MHz  
Operation Mode :Tx CH Mid  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :VERTICAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 11570.00 | Average  | 23.86         | 16.41  | 40.27  | 54.00  | -13.73 |
| 11570.00 | Peak     | 33.62         | 16.41  | 50.03  | 74.00  | -23.97 |

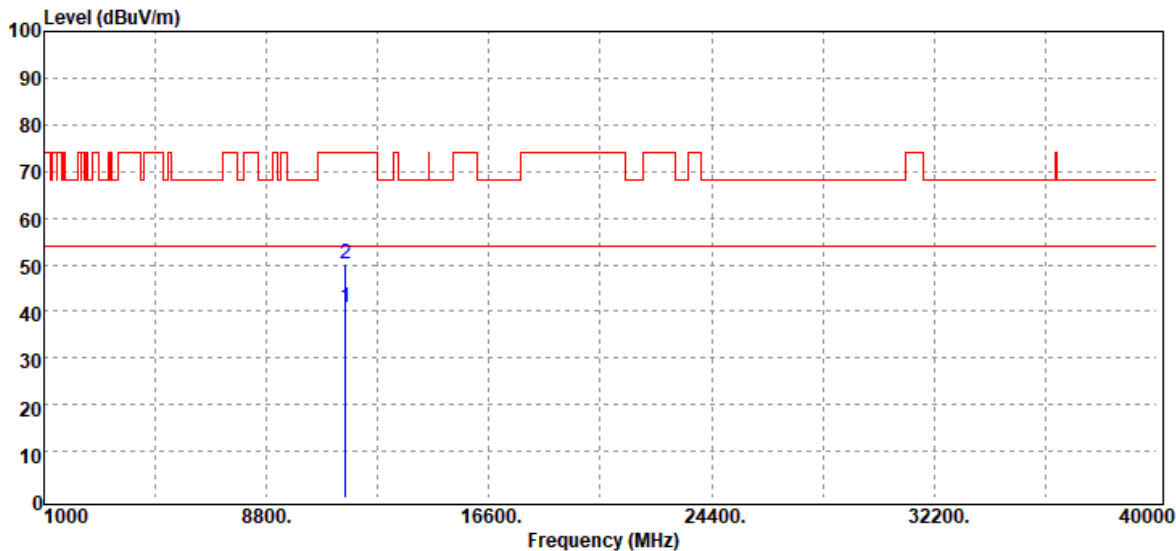
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Project Number :T190506W05  
Operation Band :802.11n20 / Band4  
Fundamental Frequency :5785 MHz  
Operation Mode :Tx CH Mid  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.00     | Average                      | 24.41                             | 16.41        | 40.82                  | 54.00                  | -13.18       |
| 11570.00     | Peak                         | 33.83                             | 16.41        | 50.24                  | 74.00                  | -23.76       |

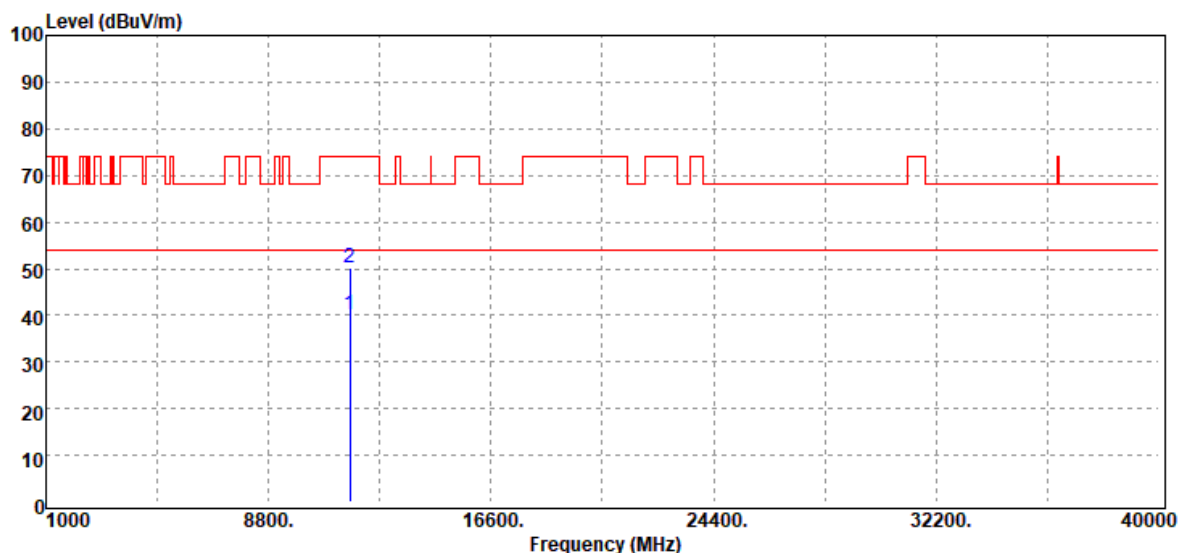
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Project Number :T190506W05  
 Operation Band :802.11n20 / Band4  
 Fundamental Frequency :5825 MHz  
 Operation Mode :Tx CH High  
 EUT Pol. :E2 Plan

Test Date :2019-05-18  
 Temp./Humi. :21/52  
 Engineer :Kane  
 Measurement Antenna Pol. :VERTICAL



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.00     | Average                      | 24.08                             | 16.21        | 40.29                  | 54.00                  | -13.71       |
| 11650.00     | Peak                         | 33.79                             | 16.21        | 50.00                  | 74.00                  | -24.00       |

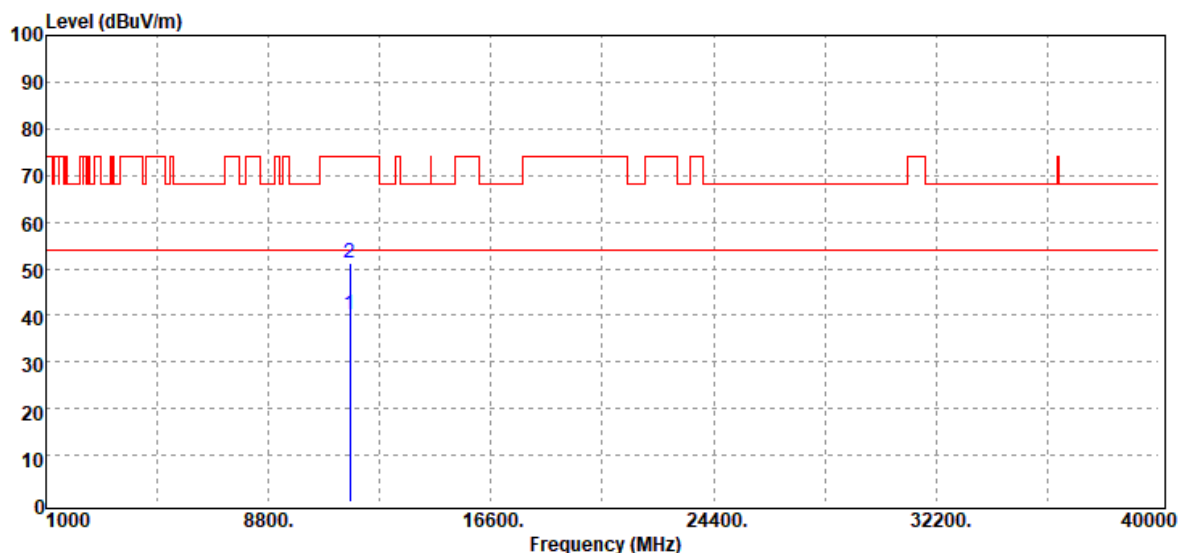
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Project Number :T190506W05  
Operation Band :802.11n20 / Band4  
Fundamental Frequency :5825 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 11650.00 | Average  | 24.07         | 16.21  | 40.28  | 54.00  | -13.72 |
| 11650.00 | Peak     | 35.14         | 16.21  | 51.35  | 74.00  | -22.65 |

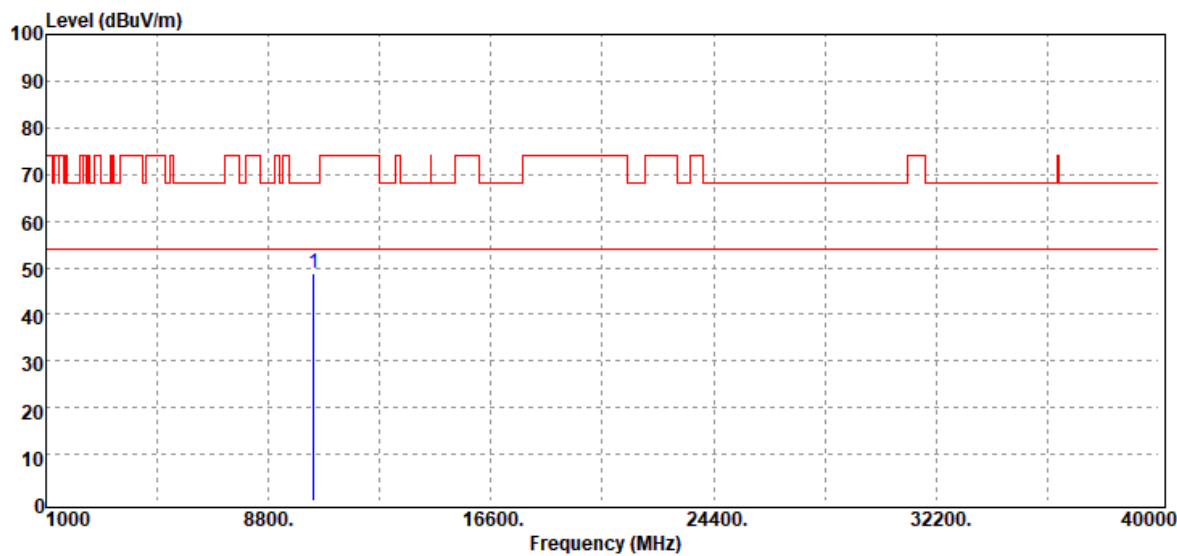
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# Radiated Spurious Emission Measurement Result 802.11n HT40 5150~5250 MHz

|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n40 / Band1 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5190 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low         | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10380.00     | Peak                         | 33.94                             | 14.82        | 48.76                  | 68.20                  | -19.44       |

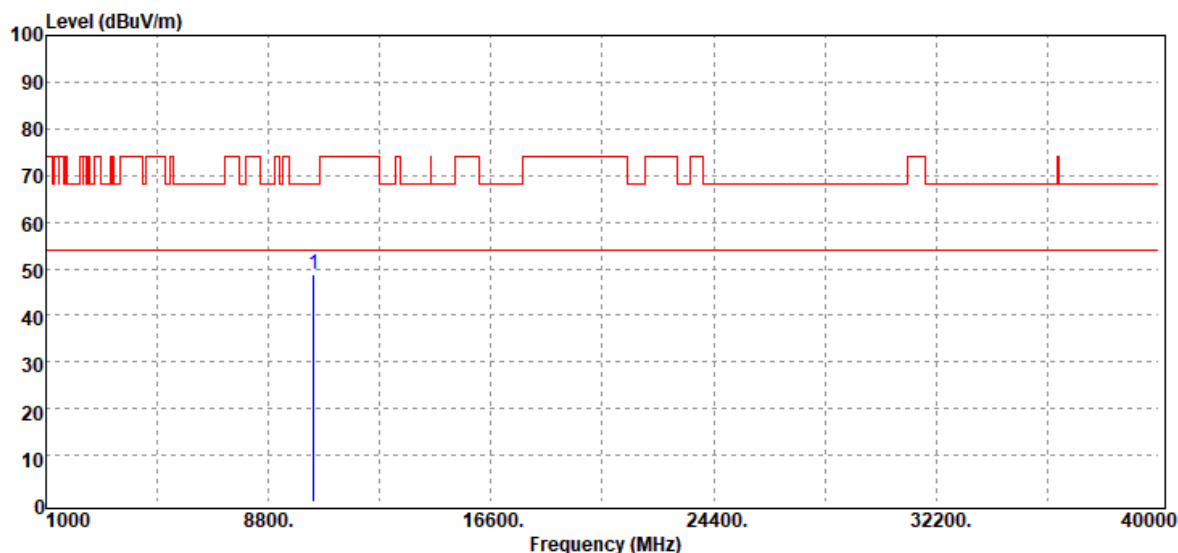
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Project Number :T190506W05  
Operation Band :802.11n40 / Band1  
Fundamental Frequency :5190 MHz  
Operation Mode :Tx CH Low  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10380.00 | Peak     | 33.89         | 14.82  | 48.71  | 68.20  | -19.49 |

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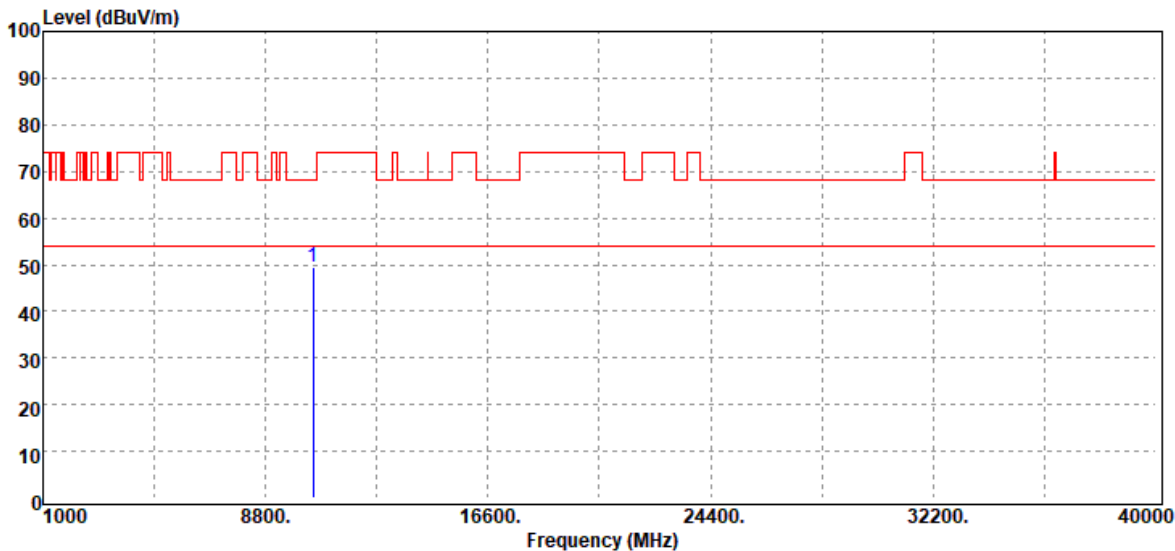
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Project Number :T190506W05  
Operation Band :802.11n40 / Band1  
Fundamental Frequency :5230 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :VERTICAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10460.00 | Peak     | 33.52         | 16.01  | 49.53  | 68.20  | -18.67 |

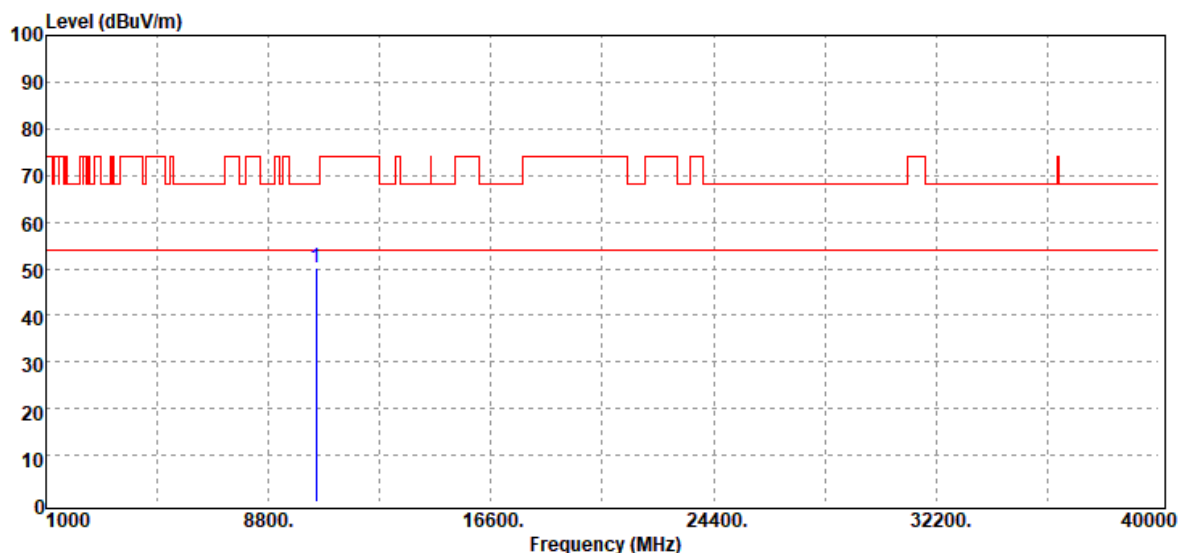
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Project Number :T190506W05  
Operation Band :802.11n40 / Band1  
Fundamental Frequency :5230 MHz  
Operation Mode :Tx CH High  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10460.00 | Peak     | 34.26         | 16.01  | 50.27  | 68.20  | -17.93 |

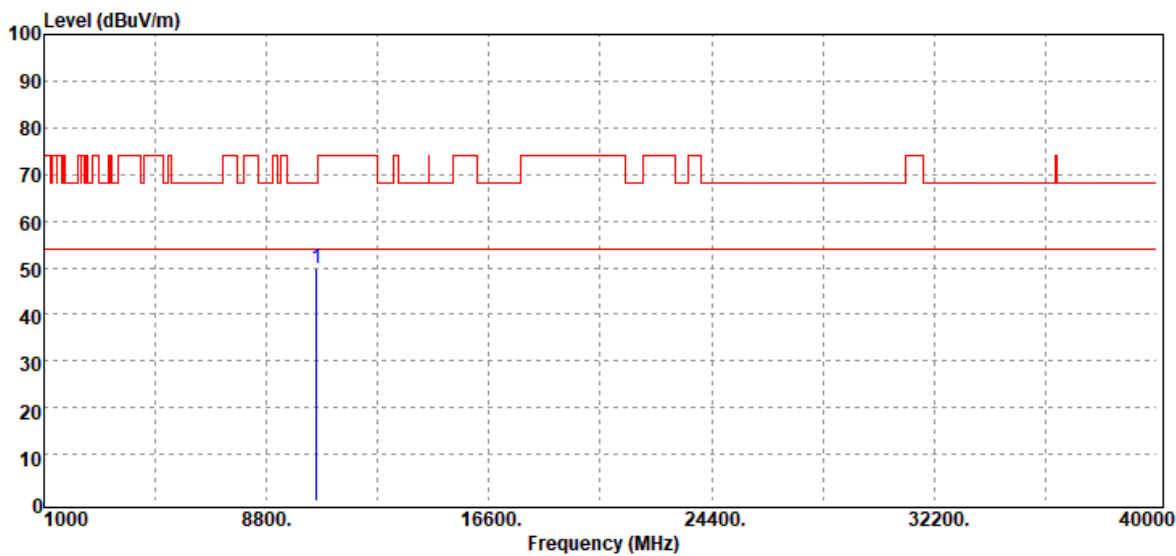
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**Radiated Spurious Emission Measurement Result 802.11n HT40 5250~5350 MHz**

|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n40 / Band2 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5270 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low         | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |



| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBuV          | dB     | dBuV/m | dBuV/m | dB     |
| 10540.00 | Peak     | 34.17         | 15.67  | 49.84  | 68.20  | -18.36 |

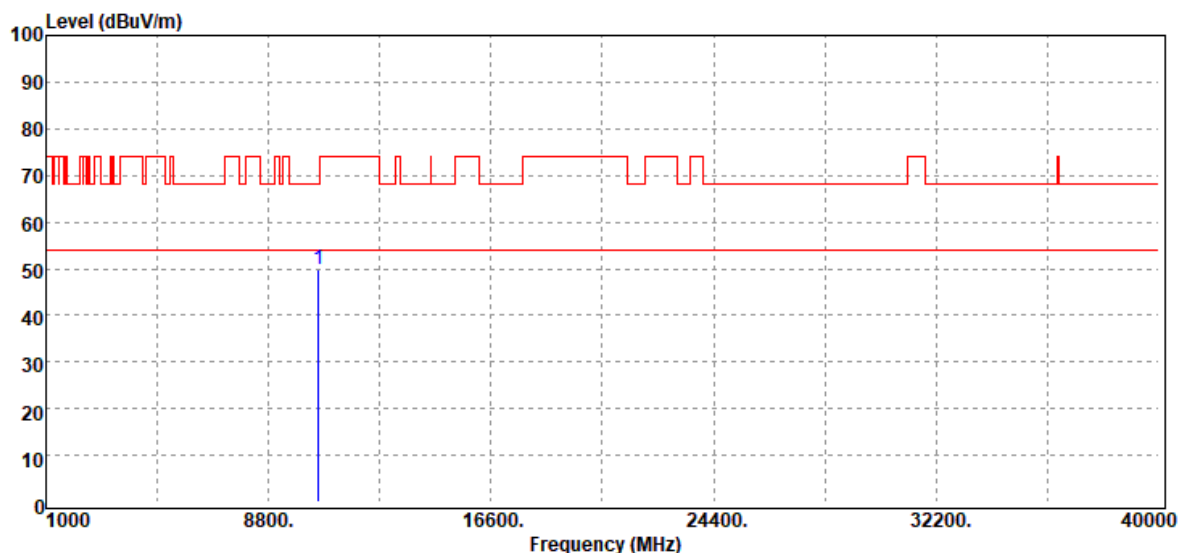
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Project Number :T190506W05  
Operation Band :802.11n40 / Band2  
Fundamental Frequency :5270 MHz  
Operation Mode :Tx CH Low  
EUT Pol. :E2 Plan

Test Date :2019-05-18  
Temp./Humi. :21/52  
Engineer :Kane  
Measurement Antenna Pol. :HORIZONTAL



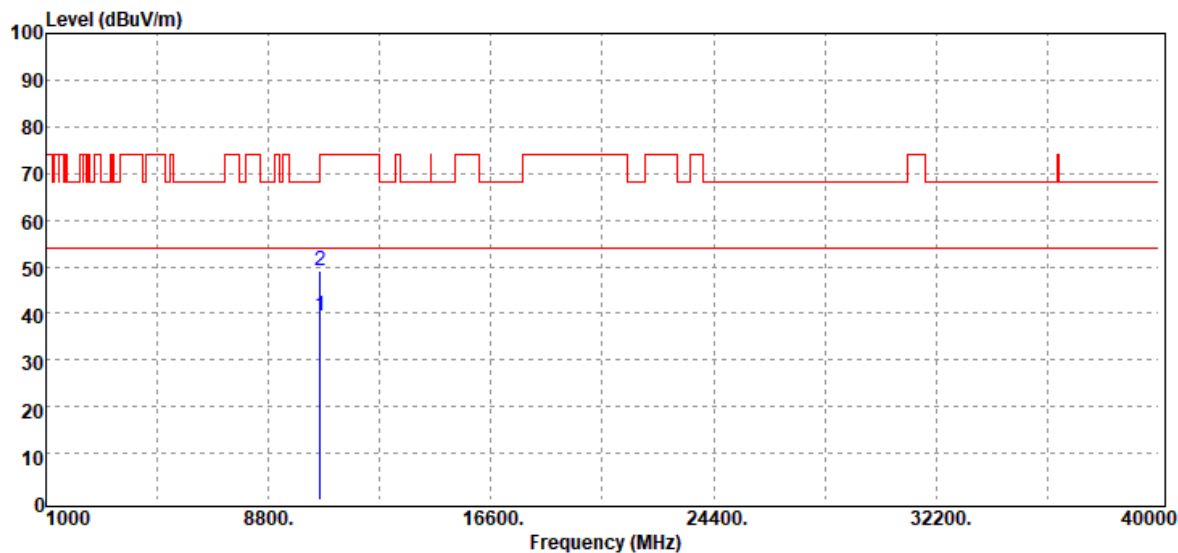
| Freq.    | Detector | Spectrum      | Factor | Actual | Limit  | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| MHz      | Mode     | Reading Level |        | FS     | @3m    |        |
|          | PK/QP/AV | dBμV          | dB     | dBμV/m | dBμV/m | dB     |
| 10540.00 | Peak     | 34.31         | 15.67  | 49.98  | 68.20  | -18.22 |

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|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n40 / Band2 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5310 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH High        | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |



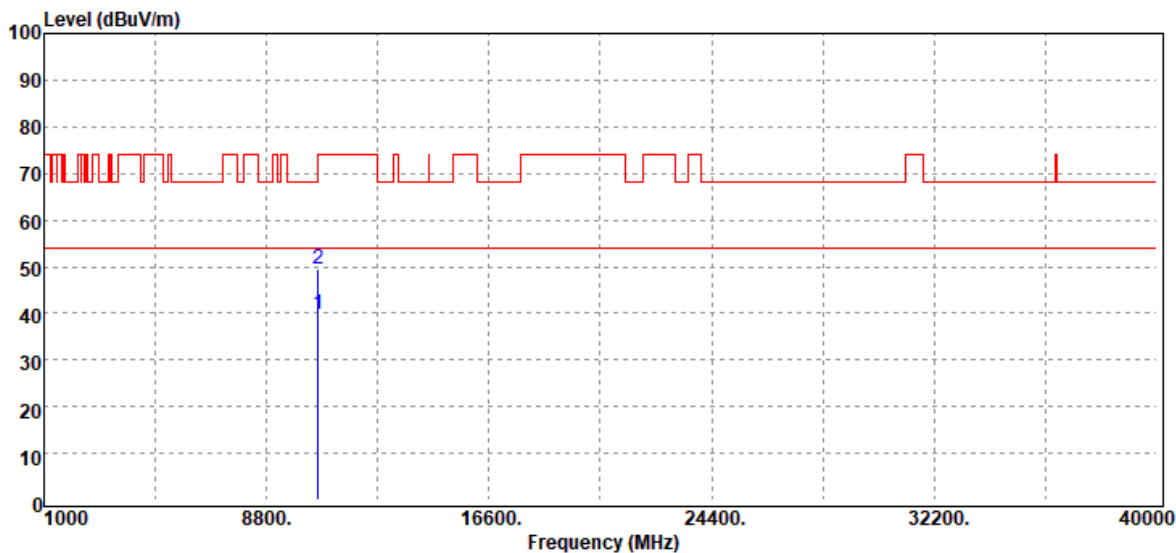
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10620.00     | Average                      | 23.71                             | 15.66        | 39.37                  | 54.00                  | -14.63       |
| 10620.00     | Peak                         | 33.49                             | 15.66        | 49.15                  | 74.00                  | -24.85       |

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|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n40 / Band2 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5310 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH High        | Measurement Antenna Pol. | :HORIZONTAL |
| EUT Pol.              | :E2 Plan           |                          |             |



| Freq.    | Detector Mode | Spectrum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------------|------------------------|--------|-----------|-----------|--------|
| MHz      | PK/QP/AV      | dBμV                   | dB     | dBμV/m    | dBμV/m    | dB     |
| 10620.00 | Average       | 23.98                  | 15.66  | 39.64     | 54.00     | -14.36 |
| 10620.00 | Peak          | 33.76                  | 15.66  | 49.42     | 74.00     | -24.58 |

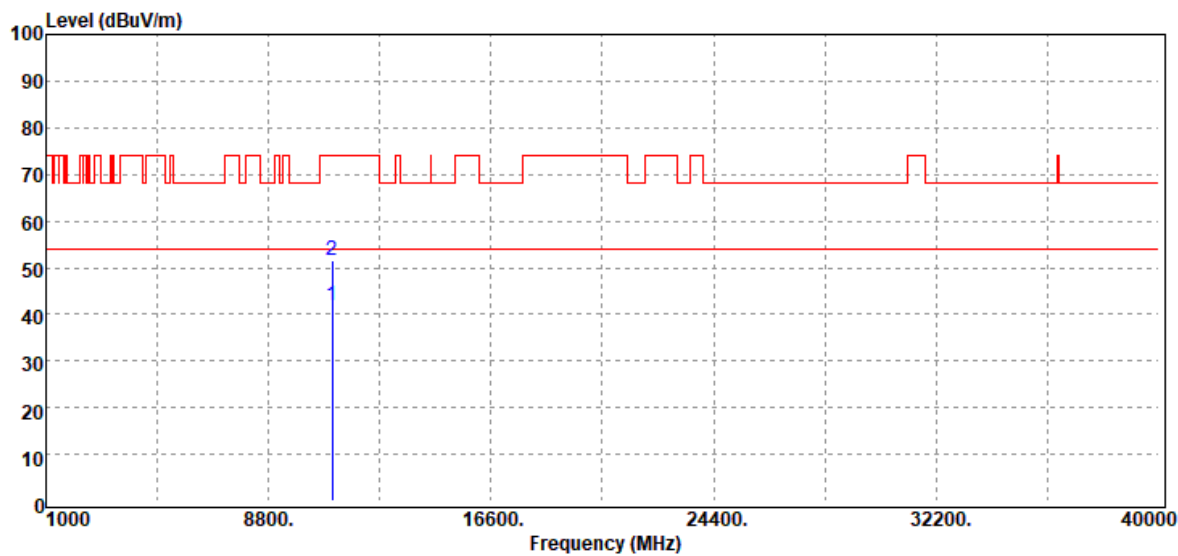
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**Radiated Spurious Emission Measurement Result 802.11n HT40 5470~5725 MHz**

|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n40 / Band3 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5510 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low         | Measurement Antenna Pol. | :VERTICAL   |
| EUT Pol.              | :E2 Plan           |                          |             |



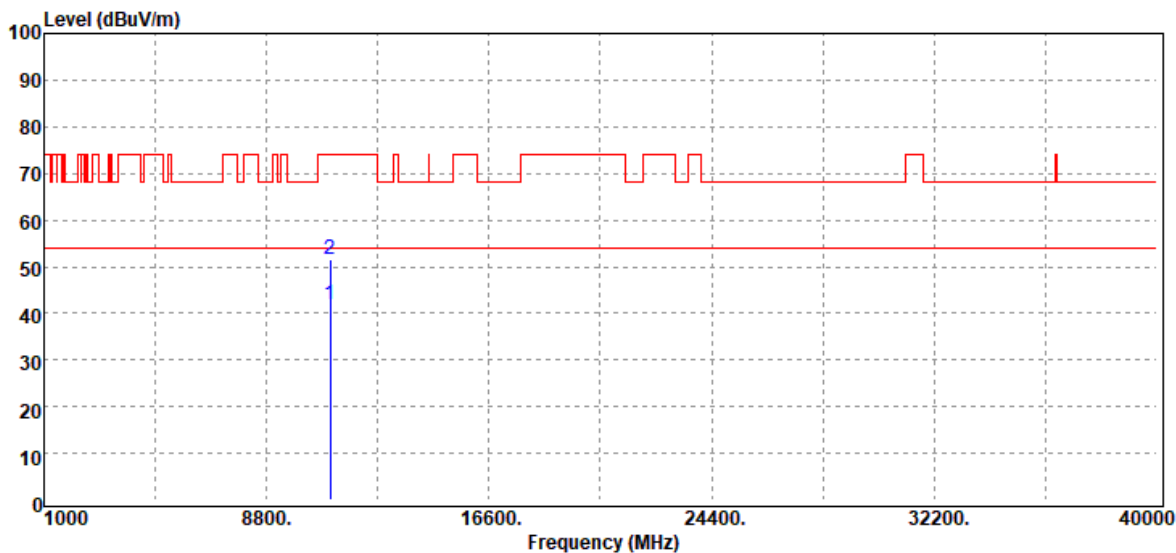
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11020.00     | Average                      | 24.14                             | 17.69        | 41.83                  | 54.00                  | -12.17       |
| 11020.00     | Peak                         | 33.81                             | 17.69        | 51.50                  | 74.00                  | -22.50       |

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|                       |                    |                          |             |
|-----------------------|--------------------|--------------------------|-------------|
| Project Number        | :T190506W05        | Test Date                | :2019-05-18 |
| Operation Band        | :802.11n40 / Band3 | Temp./Humi.              | :21/52      |
| Fundamental Frequency | :5510 MHz          | Engineer                 | :Kane       |
| Operation Mode        | :Tx CH Low         | Measurement Antenna Pol. | :HORIZONTAL |
| EUT Pol.              | :E2 Plan           |                          |             |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11020.00     | Average                      | 24.17                             | 17.69        | 41.86                  | 54.00                  | -12.14       |
| 11020.00     | Peak                         | 33.72                             | 17.69        | 51.41                  | 74.00                  | -22.59       |

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