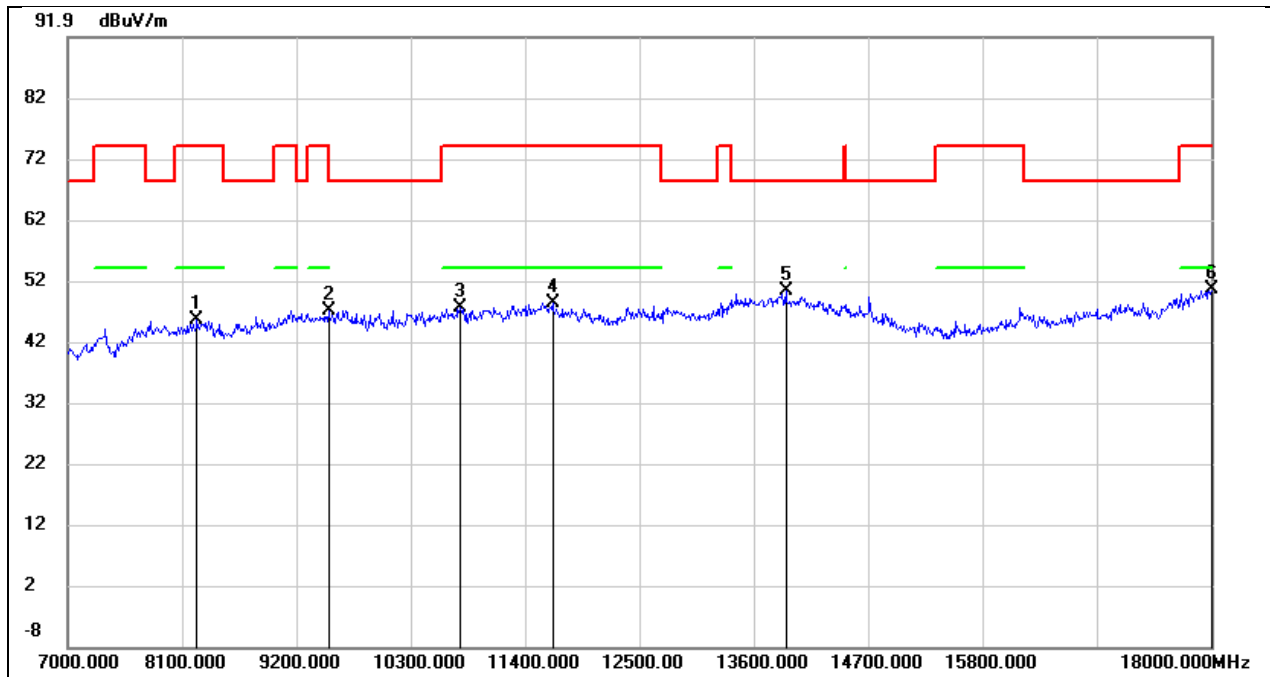
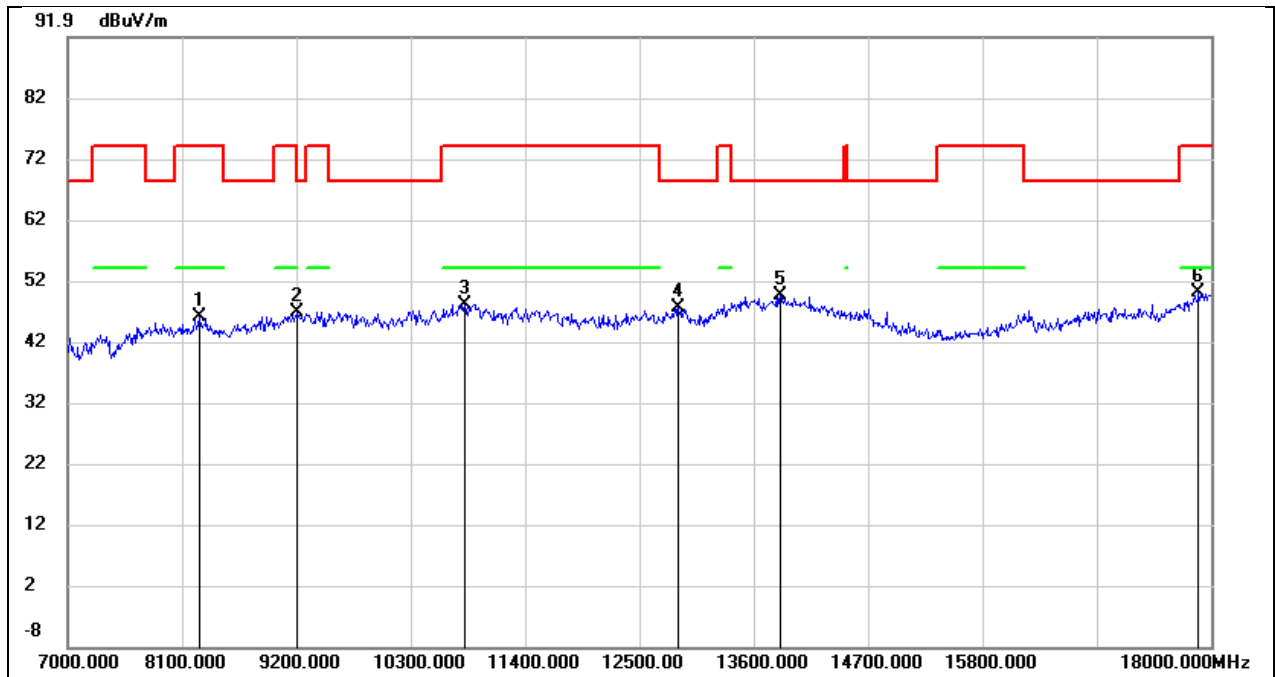


|            |                |                 |         |
|------------|----------------|-----------------|---------|
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5290    |
| Polarity:  | Horizontal     | Test Voltage:   | DC 3.3V |



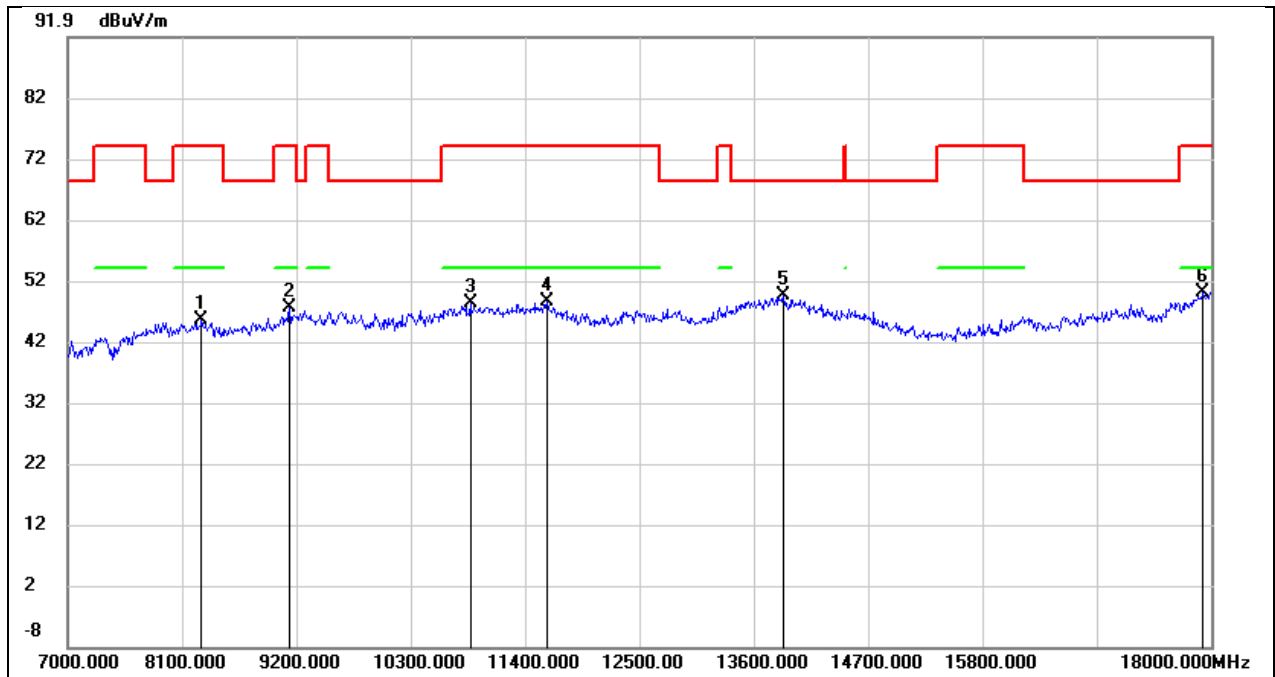
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 8243.000        | 37.16          | 8.44           | 45.60           | 74.00          | -28.40      | peak   |
| 2   | 9508.000        | 34.44          | 12.71          | 47.15           | 68.20          | -21.05      | peak   |
| 3   | 10773.000       | 32.84          | 14.79          | 47.63           | 74.00          | -26.37      | peak   |
| 4   | 11664.000       | 30.43          | 17.88          | 48.31           | 74.00          | -25.69      | peak   |
| 5   | 13908.000       | 26.60          | 23.56          | 50.16           | 68.20          | -18.04      | peak   |
| 6   | 18000.000       | 22.10          | 28.51          | 50.61           | 74.00          | -23.39      | peak   |

|            |                |                 |         |
|------------|----------------|-----------------|---------|
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5290    |
| Polarity:  | Vertical       | Test Voltage:   | DC 3.3V |



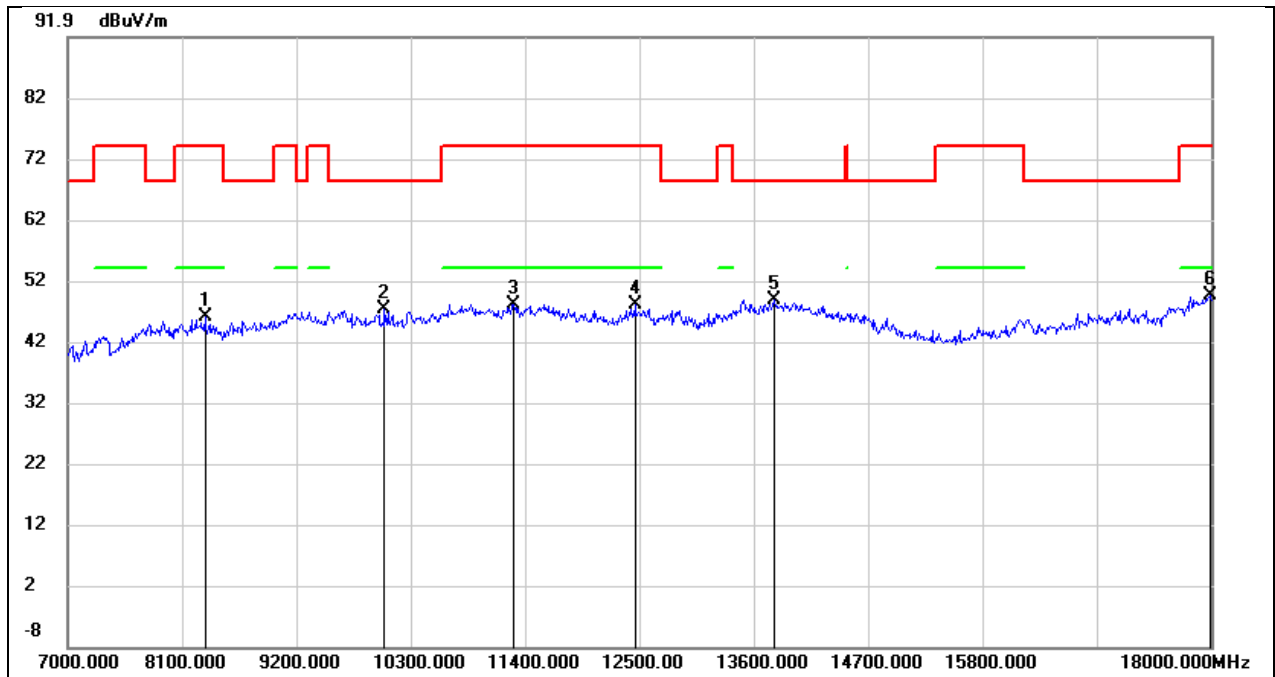
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 8265.000        | 37.45          | 8.46           | 45.91           | 74.00          | -28.09      | peak   |
| 2   | 9211.000        | 35.44          | 11.45          | 46.89           | 68.20          | -21.31      | peak   |
| 3   | 10817.000       | 33.09          | 14.92          | 48.01           | 74.00          | -25.99      | peak   |
| 4   | 12874.000       | 26.97          | 20.50          | 47.47           | 68.20          | -20.73      | peak   |
| 5   | 13853.000       | 26.26          | 23.34          | 49.60           | 68.20          | -18.60      | peak   |
| 6   | 17879.000       | 22.70          | 27.39          | 50.09           | 74.00          | -23.91      | peak   |

|            |                |                 |         |
|------------|----------------|-----------------|---------|
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5530    |
| Polarity:  | Horizontal     | Test Voltage:   | DC 3.3V |



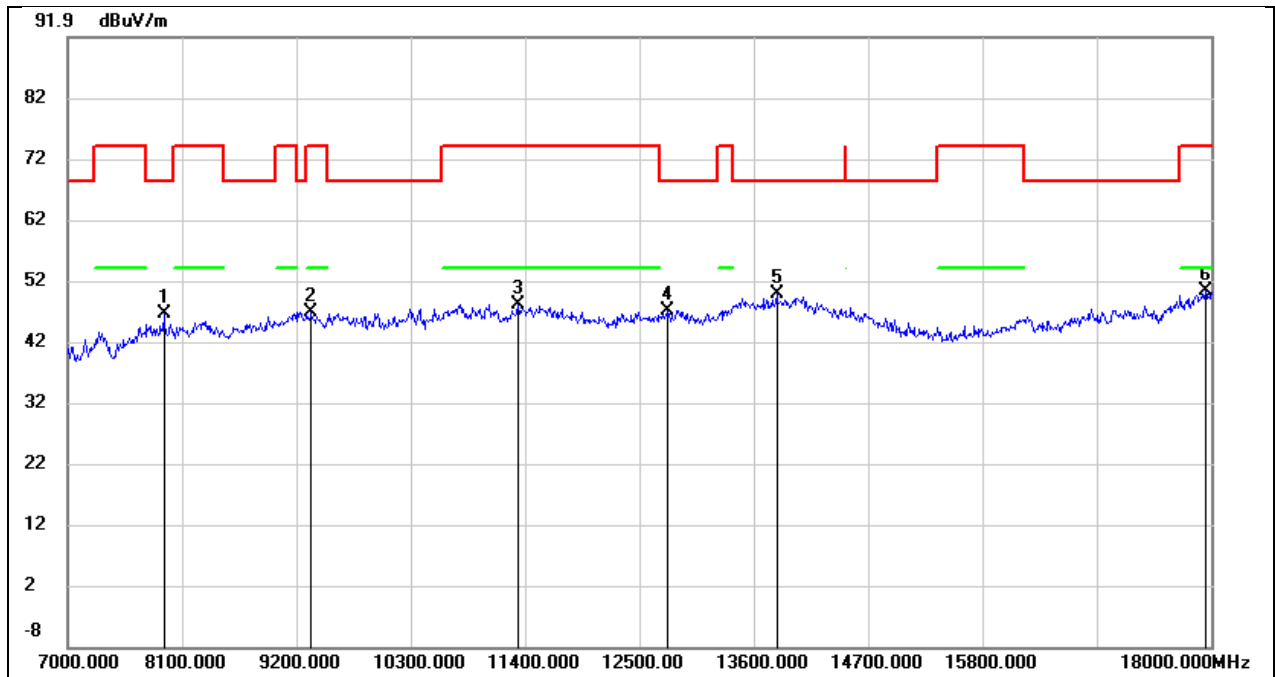
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 8287.000        | 37.02          | 8.49           | 45.51           | 74.00          | -28.49      | peak   |
| 2   | 9134.000        | 36.41          | 11.13          | 47.54           | 74.00          | -26.46      | peak   |
| 3   | 10872.000       | 33.28          | 15.08          | 48.36           | 74.00          | -25.64      | peak   |
| 4   | 11609.000       | 30.71          | 17.88          | 48.59           | 74.00          | -25.41      | peak   |
| 5   | 13886.000       | 26.13          | 23.47          | 49.60           | 68.20          | -18.60      | peak   |
| 6   | 17923.000       | 22.31          | 27.79          | 50.10           | 74.00          | -23.90      | peak   |

|            |                |                 |         |
|------------|----------------|-----------------|---------|
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5530    |
| Polarity:  | Vertical       | Test Voltage:   | DC 3.3V |



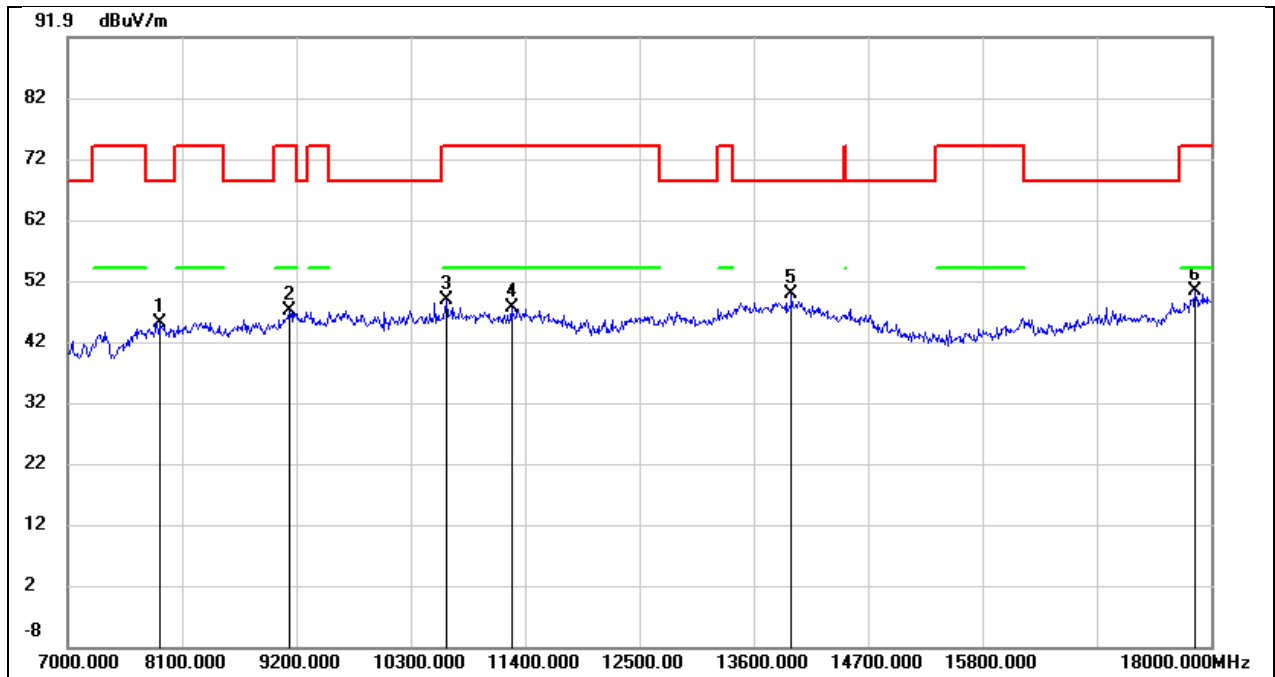
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 8320.000        | 37.43          | 8.51           | 45.94           | 74.00          | -28.06      | peak   |
| 2   | 10047.000       | 33.95          | 13.25          | 47.20           | 68.20          | -21.00      | peak   |
| 3   | 11290.000       | 31.36          | 16.69          | 48.05           | 74.00          | -25.95      | peak   |
| 4   | 12456.000       | 28.32          | 19.73          | 48.05           | 74.00          | -25.95      | peak   |
| 5   | 13798.000       | 25.75          | 23.13          | 48.88           | 68.20          | -19.32      | peak   |
| 6   | 17989.000       | 21.02          | 28.40          | 49.42           | 74.00          | -24.58      | peak   |

|            |                |                 |         |
|------------|----------------|-----------------|---------|
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5610    |
| Polarity:  | Horizontal     | Test Voltage:   | DC 3.3V |



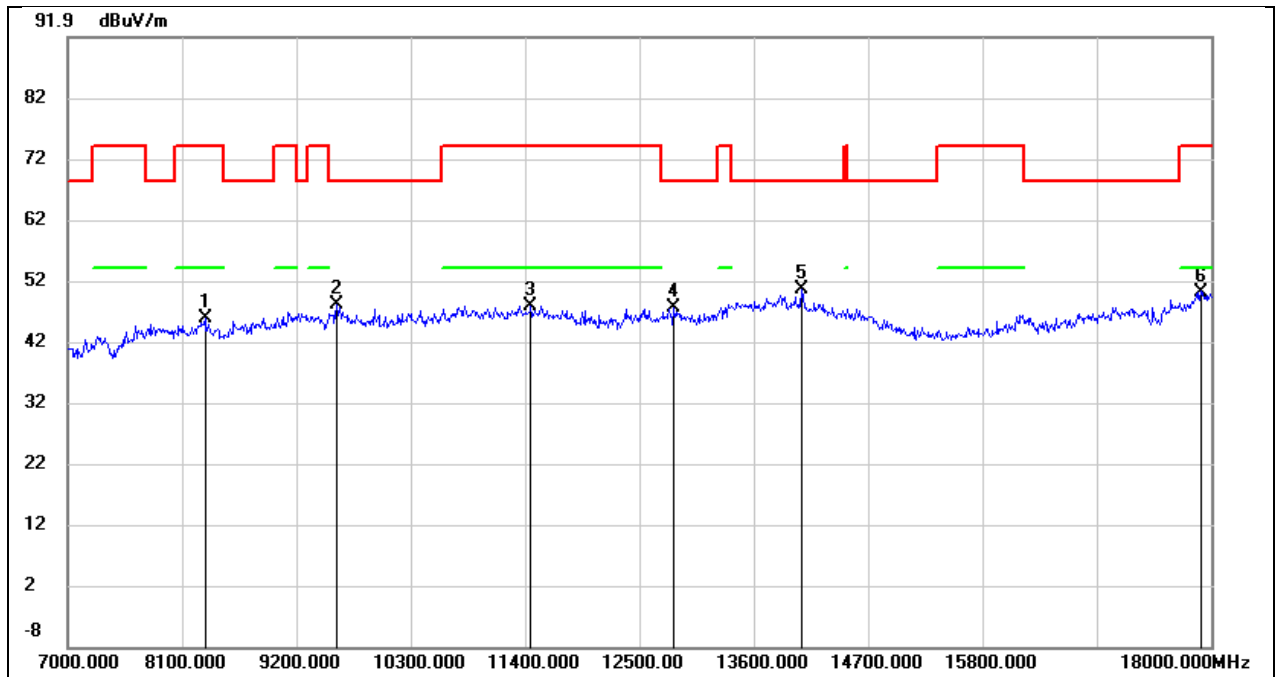
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 7924.000        | 38.43          | 8.09           | 46.52           | 68.20          | -21.68      | peak   |
| 2   | 9343.000        | 34.91          | 11.86          | 46.77           | 74.00          | -27.23      | peak   |
| 3   | 11334.000       | 31.14          | 16.90          | 48.04           | 74.00          | -25.96      | peak   |
| 4   | 12764.000       | 26.62          | 20.42          | 47.04           | 68.20          | -21.16      | peak   |
| 5   | 13820.000       | 26.59          | 23.22          | 49.81           | 68.20          | -18.39      | peak   |
| 6   | 17945.000       | 22.27          | 28.01          | 50.28           | 74.00          | -23.72      | peak   |

|            |                |                 |         |
|------------|----------------|-----------------|---------|
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5610    |
| Polarity:  | Vertical       | Test Voltage:   | DC 3.3V |



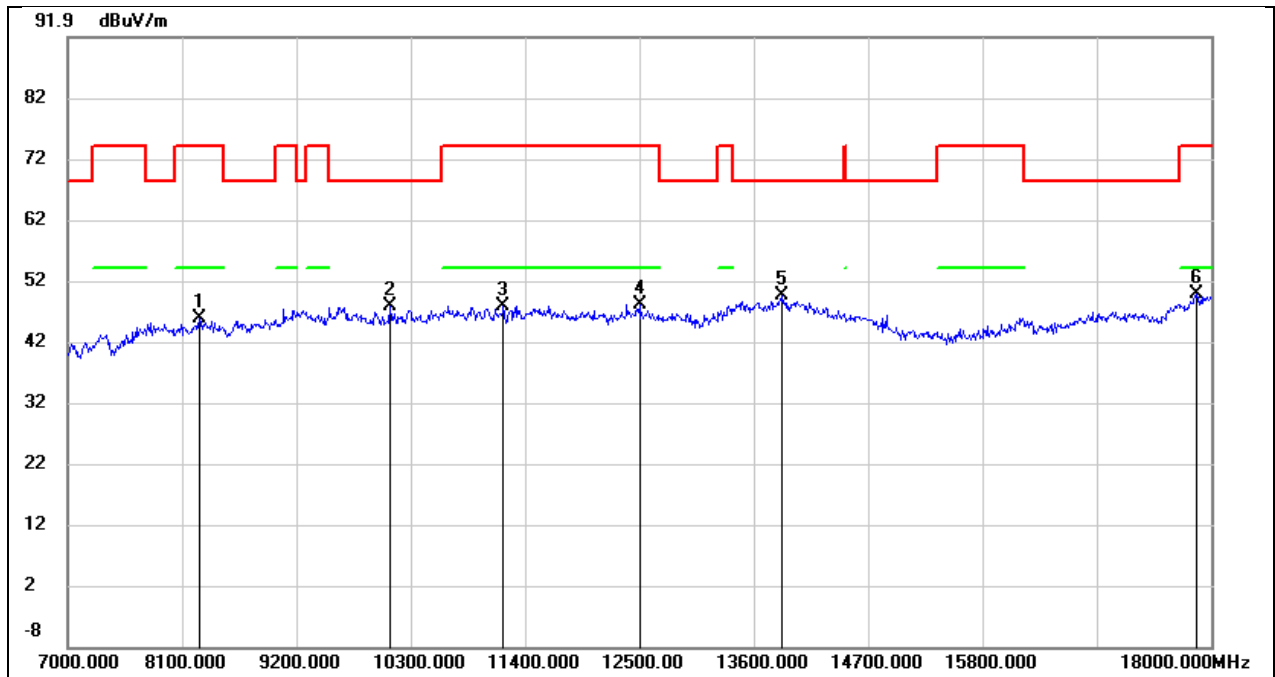
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 7891.000        | 36.90          | 8.05           | 44.95           | 68.20          | -23.25      | peak   |
| 2   | 9134.000        | 35.79          | 11.13          | 46.92           | 74.00          | -27.08      | peak   |
| 3   | 10641.000       | 34.31          | 14.43          | 48.74           | 74.00          | -25.26      | peak   |
| 4   | 11268.000       | 30.91          | 16.59          | 47.50           | 74.00          | -26.50      | peak   |
| 5   | 13963.000       | 25.92          | 23.77          | 49.69           | 68.20          | -18.51      | peak   |
| 6   | 17846.000       | 23.11          | 27.09          | 50.20           | 74.00          | -23.80      | peak   |

|            |                |                 |         |
|------------|----------------|-----------------|---------|
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5690    |
| Polarity:  | Horizontal     | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 8320.000        | 37.27          | 8.51           | 45.78           | 74.00          | -28.22      | peak   |
| 2   | 9585.000        | 34.81          | 13.19          | 48.00           | 68.20          | -20.20      | peak   |
| 3   | 11455.000       | 30.49          | 17.38          | 47.87           | 74.00          | -26.13      | peak   |
| 4   | 12830.000       | 27.04          | 20.53          | 47.57           | 68.20          | -20.63      | peak   |
| 5   | 14062.000       | 26.94          | 23.60          | 50.54           | 68.20          | -17.66      | peak   |
| 6   | 17901.000       | 22.55          | 27.60          | 50.15           | 74.00          | -23.85      | peak   |

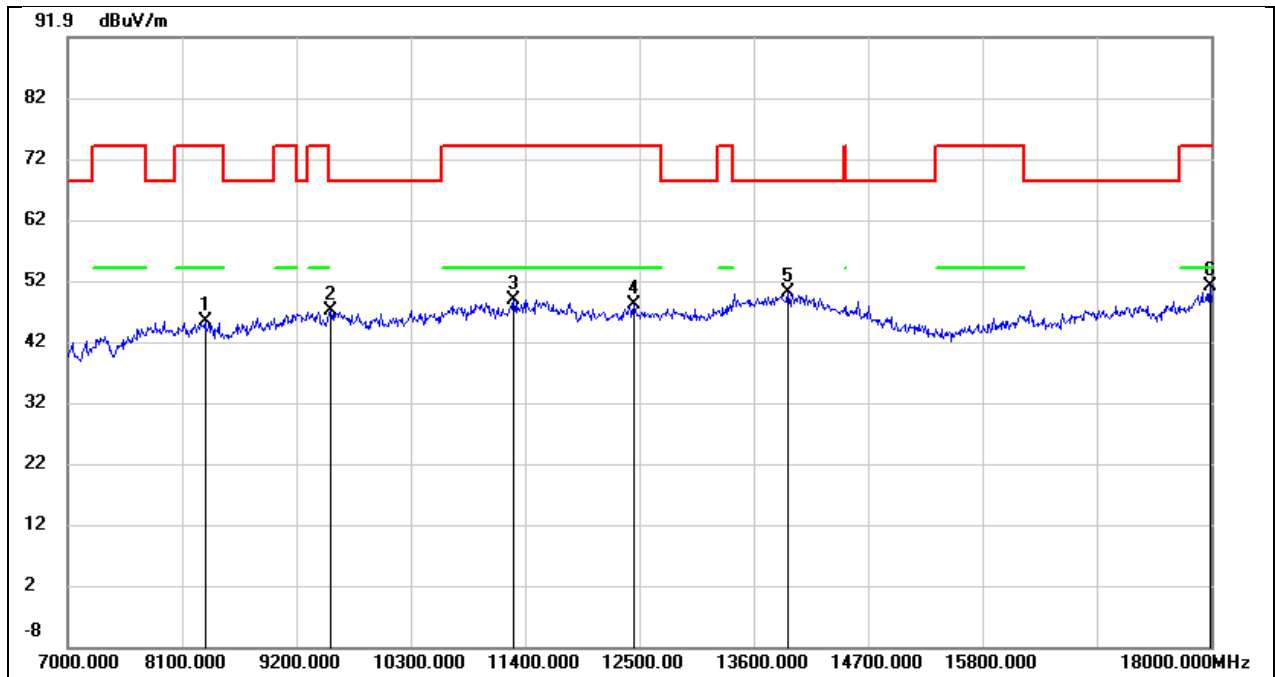
|            |                |                 |         |
|------------|----------------|-----------------|---------|
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5690    |
| Polarity:  | Vertical       | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 8265.000        | 37.24          | 8.46           | 45.70           | 74.00          | -28.30      | peak   |
| 2   | 10102.000       | 34.49          | 13.28          | 47.77           | 68.20          | -20.43      | peak   |
| 3   | 11191.000       | 31.55          | 16.24          | 47.79           | 74.00          | -26.21      | peak   |
| 4   | 12500.000       | 28.23          | 19.79          | 48.02           | 74.00          | -25.98      | peak   |
| 5   | 13875.000       | 26.04          | 23.44          | 49.48           | 68.20          | -18.72      | peak   |
| 6   | 17857.000       | 22.63          | 27.18          | 49.81           | 74.00          | -24.19      | peak   |

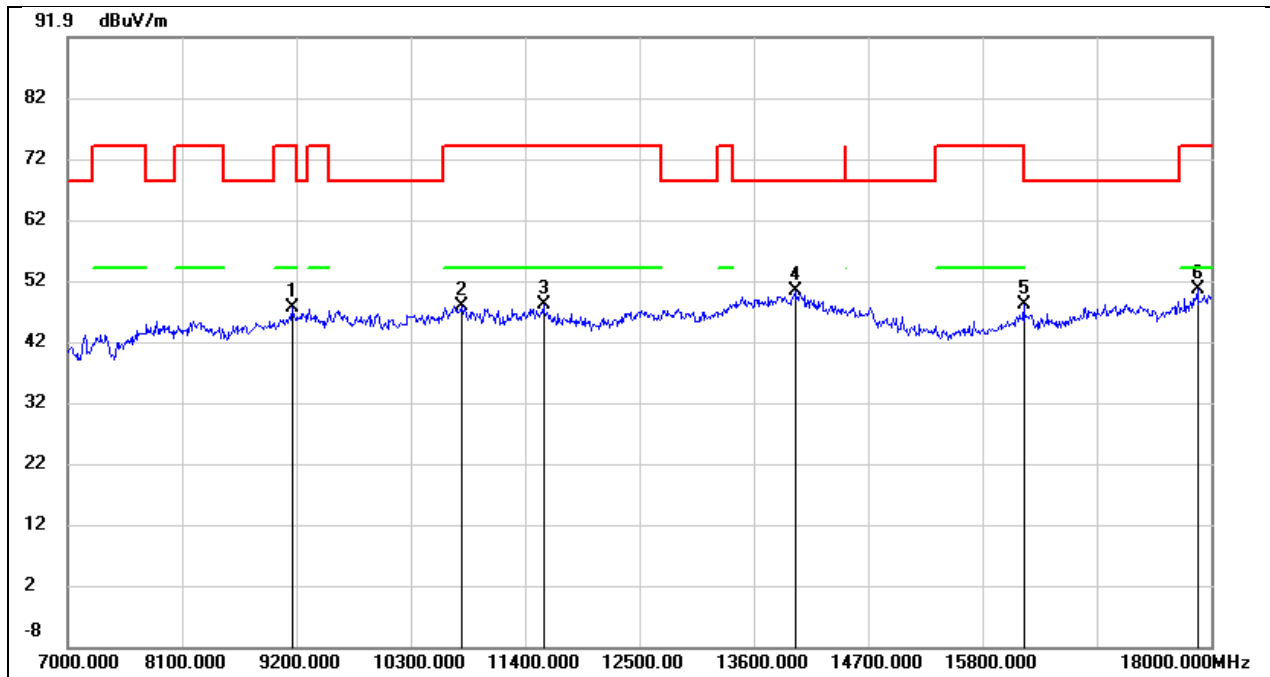


|            |                |                 |         |
|------------|----------------|-----------------|---------|
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5775    |
| Polarity:  | Horizontal     | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 8320.000        | 36.85          | 8.51           | 45.36           | 74.00          | -28.64      | peak   |
| 2   | 9530.000        | 34.16          | 12.85          | 47.01           | 68.20          | -21.19      | peak   |
| 3   | 11290.000       | 32.08          | 16.69          | 48.77           | 74.00          | -25.23      | peak   |
| 4   | 12445.000       | 28.25          | 19.70          | 47.95           | 74.00          | -26.05      | peak   |
| 5   | 13930.000       | 26.28          | 23.63          | 49.91           | 68.20          | -18.29      | peak   |
| 6   | 17989.000       | 22.55          | 28.40          | 50.95           | 74.00          | -23.05      | peak   |

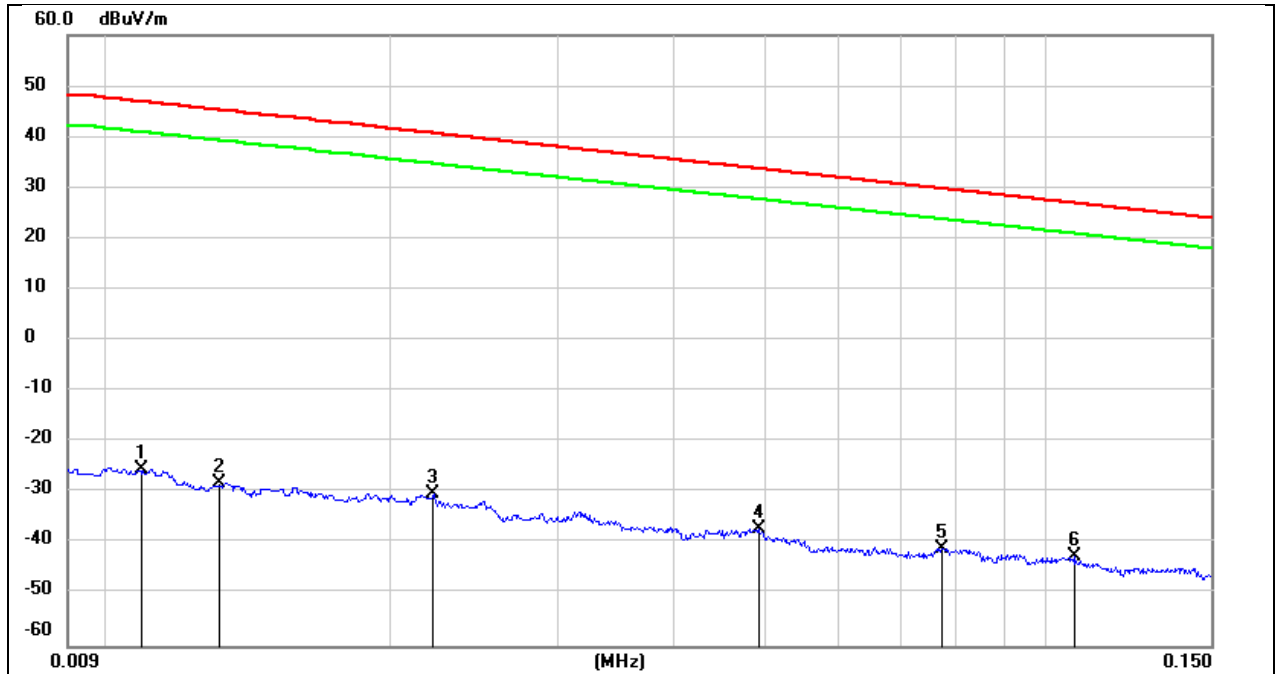
|            |                |                 |         |
|------------|----------------|-----------------|---------|
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5775    |
| Polarity:  | Vertical       | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 9156.000        | 36.37          | 11.23          | 47.60           | 74.00          | -26.40      | peak   |
| 2   | 10784.000       | 32.88          | 14.81          | 47.69           | 74.00          | -26.31      | peak   |
| 3   | 11576.000       | 30.23          | 17.80          | 48.03           | 74.00          | -25.97      | peak   |
| 4   | 13996.000       | 26.50          | 23.89          | 50.39           | 68.20          | -17.81      | peak   |
| 5   | 16196.000       | 26.45          | 21.57          | 48.02           | 74.00          | -25.98      | peak   |
| 6   | 17868.000       | 23.12          | 27.29          | 50.41           | 74.00          | -23.59      | peak   |

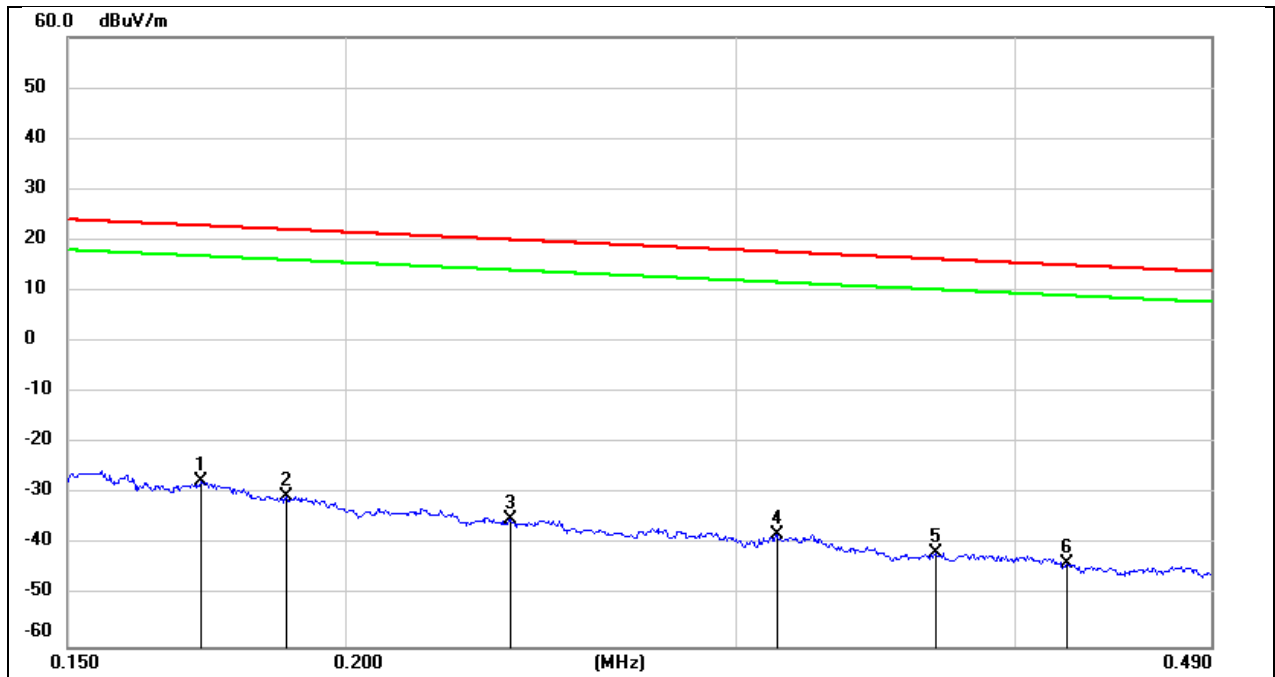
## 8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

|            |            |                 |         |
|------------|------------|-----------------|---------|
| Test Mode: | 802.11a20  | Frequency(MHz): | 5180    |
| Polarity:  | Horizontal | Test Voltage:   | DC 3.3V |



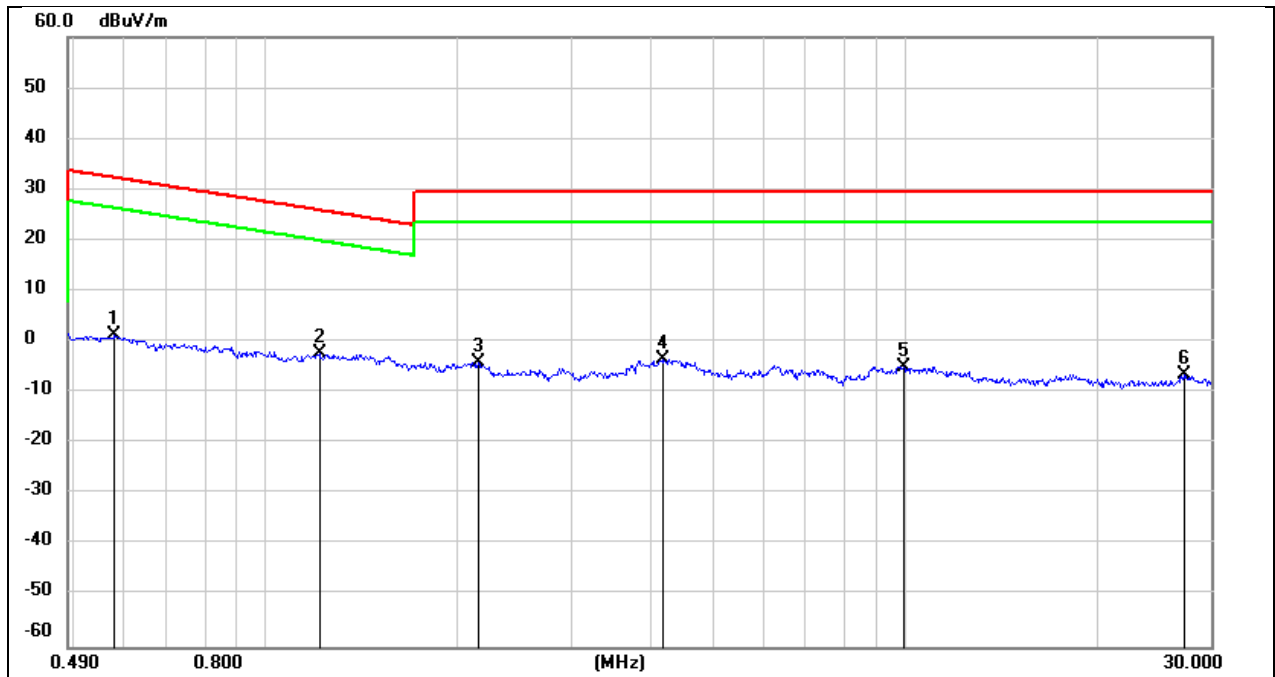
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 0.0108          | 76.01          | -101.39        | -25.38          | 46.93          | -72.31      | peak   |
| 2   | 0.0131          | 73.45          | -101.38        | -27.93          | 45.25          | -73.18      | peak   |
| 3   | 0.0221          | 71.13          | -101.35        | -30.22          | 40.71          | -70.93      | peak   |
| 4   | 0.0492          | 64.55          | -101.47        | -36.92          | 33.76          | -70.68      | peak   |
| 5   | 0.0772          | 60.80          | -101.61        | -40.81          | 29.85          | -70.66      | peak   |
| 6   | 0.1071          | 59.36          | -101.77        | -42.41          | 27.01          | -69.42      | peak   |

|            |            |                 |         |
|------------|------------|-----------------|---------|
| Test Mode: | 802.11a20  | Frequency(MHz): | 5180    |
| Polarity:  | Horizontal | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 0.1720          | 74.19          | -101.67        | -27.48          | 22.90          | -50.38      | peak   |
| 2   | 0.1880          | 71.25          | -101.70        | -30.45          | 22.12          | -52.57      | peak   |
| 3   | 0.2371          | 66.77          | -101.78        | -35.01          | 20.10          | -55.11      | peak   |
| 4   | 0.3125          | 63.83          | -101.87        | -38.04          | 17.70          | -55.74      | peak   |
| 5   | 0.3684          | 60.48          | -101.93        | -41.45          | 16.27          | -57.72      | peak   |
| 6   | 0.4223          | 58.40          | -101.98        | -43.58          | 15.09          | -58.67      | peak   |

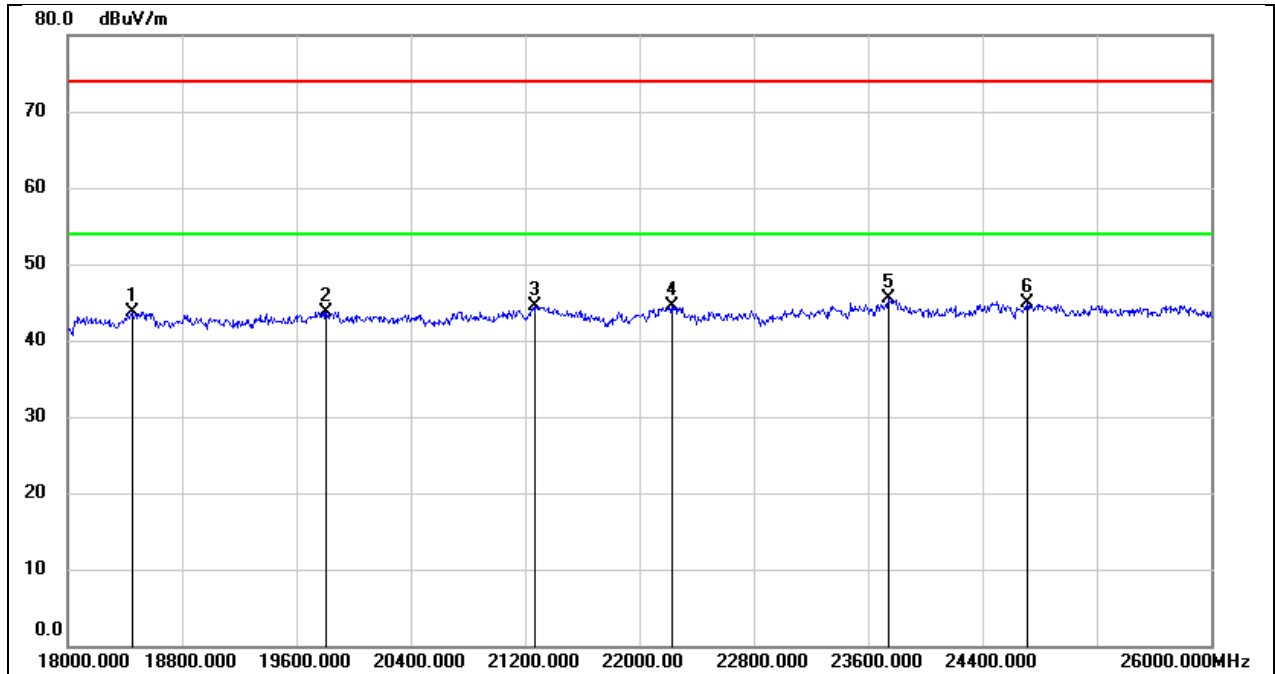
|            |            |                 |         |
|------------|------------|-----------------|---------|
| Test Mode: | 802.11a20  | Frequency(MHz): | 5180    |
| Polarity:  | Horizontal | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 0.5800          | 63.33          | -62.08         | 1.25            | 32.33          | -31.08      | peak   |
| 2   | 1.2115          | 59.81          | -62.17         | -2.36           | 25.94          | -28.30      | peak   |
| 3   | 2.1463          | 57.77          | -61.79         | -4.02           | 29.54          | -33.56      | peak   |
| 4   | 4.1801          | 57.82          | -61.35         | -3.53           | 29.54          | -33.07      | peak   |
| 5   | 9.9329          | 55.99          | -60.81         | -4.82           | 29.54          | -34.36      | peak   |
| 6   | 27.1966         | 53.81          | -60.24         | -6.43           | 29.54          | -35.97      | peak   |

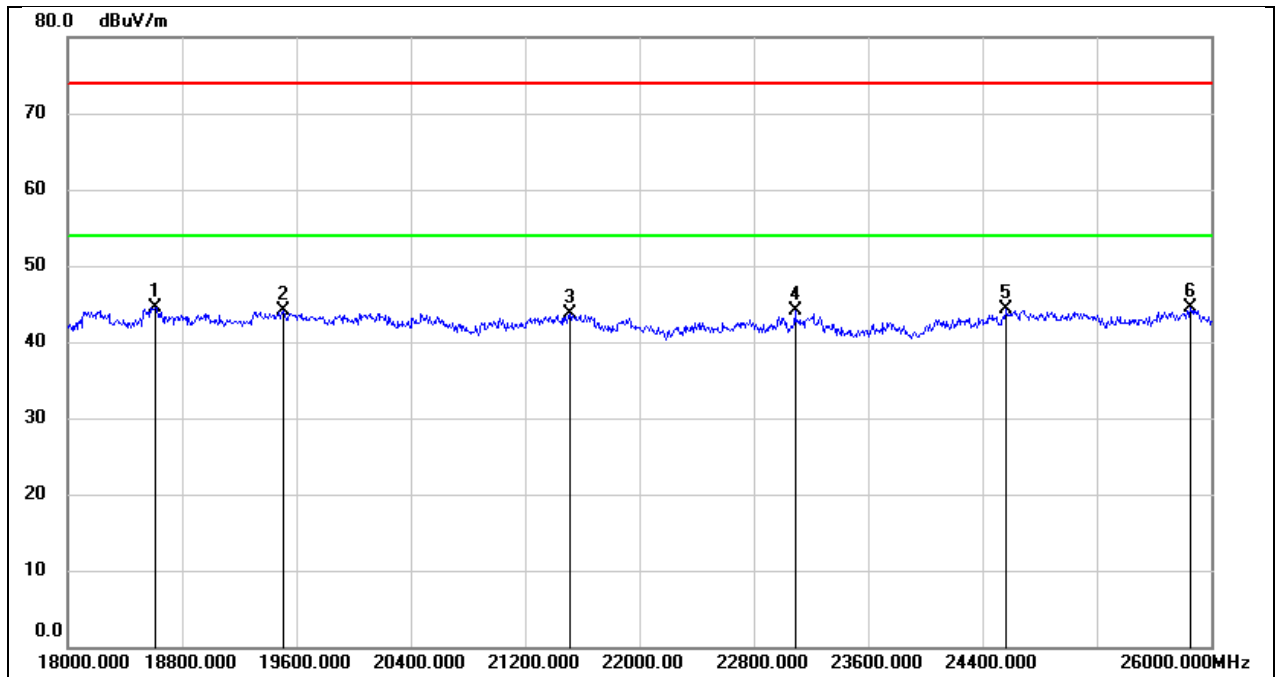
## 8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

|            |            |                 |         |
|------------|------------|-----------------|---------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180    |
| Polarity:  | Horizontal | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 18448.000       | 49.01          | -5.32          | 43.69           | 74.00          | -30.31      | peak   |
| 2   | 19808.000       | 49.09          | -5.29          | 43.80           | 74.00          | -30.20      | peak   |
| 3   | 21272.000       | 49.17          | -4.76          | 44.41           | 74.00          | -29.59      | peak   |
| 4   | 22224.000       | 48.82          | -4.26          | 44.56           | 74.00          | -29.44      | peak   |
| 5   | 23744.000       | 48.65          | -3.20          | 45.45           | 74.00          | -28.55      | peak   |
| 6   | 24712.000       | 47.17          | -2.33          | 44.84           | 74.00          | -29.16      | peak   |

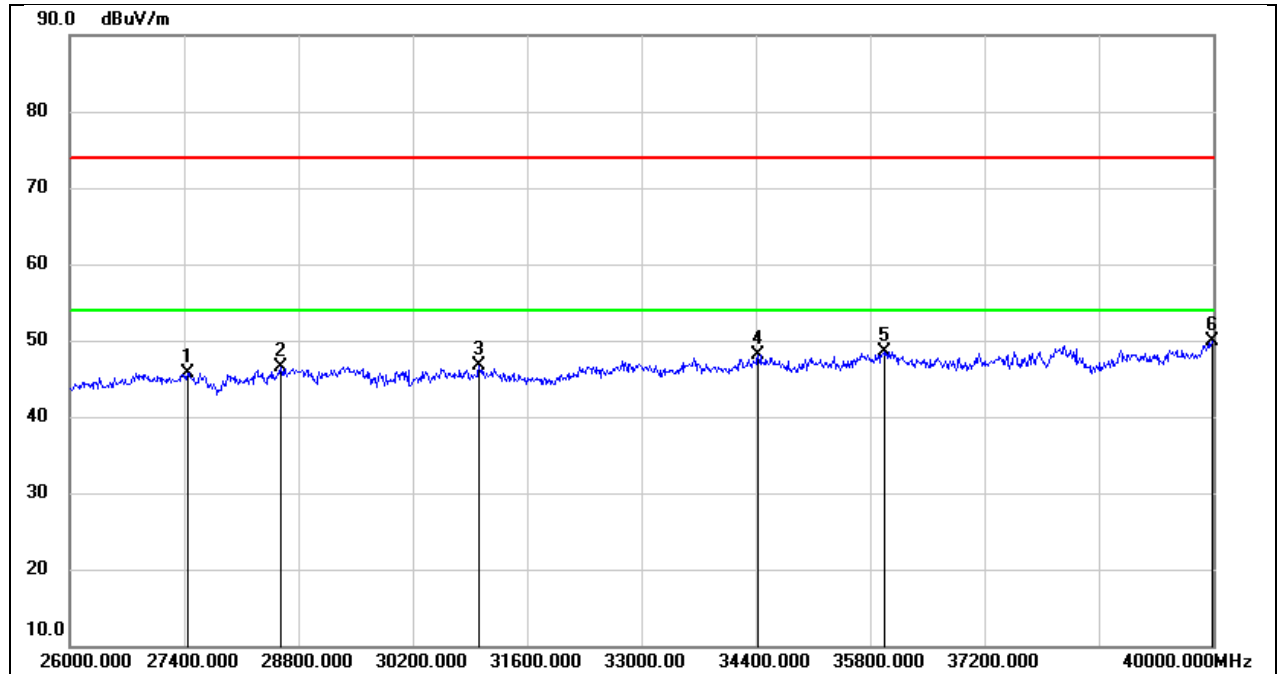
|            |            |                 |         |
|------------|------------|-----------------|---------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180    |
| Polarity:  | Vertical   | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 18616.000       | 49.89          | -5.34          | 44.55           | 74.00          | -29.45      | peak   |
| 2   | 19504.000       | 49.63          | -5.54          | 44.09           | 74.00          | -29.91      | peak   |
| 3   | 21512.000       | 48.41          | -4.68          | 43.73           | 74.00          | -30.27      | peak   |
| 4   | 23088.000       | 47.52          | -3.41          | 44.11           | 74.00          | -29.89      | peak   |
| 5   | 24568.000       | 46.60          | -2.33          | 44.27           | 74.00          | -29.73      | peak   |
| 6   | 25856.000       | 45.29          | -0.80          | 44.49           | 74.00          | -29.51      | peak   |

## 8.6. SPURIOUS EMISSIONS(26 GHZ~40 GHZ)

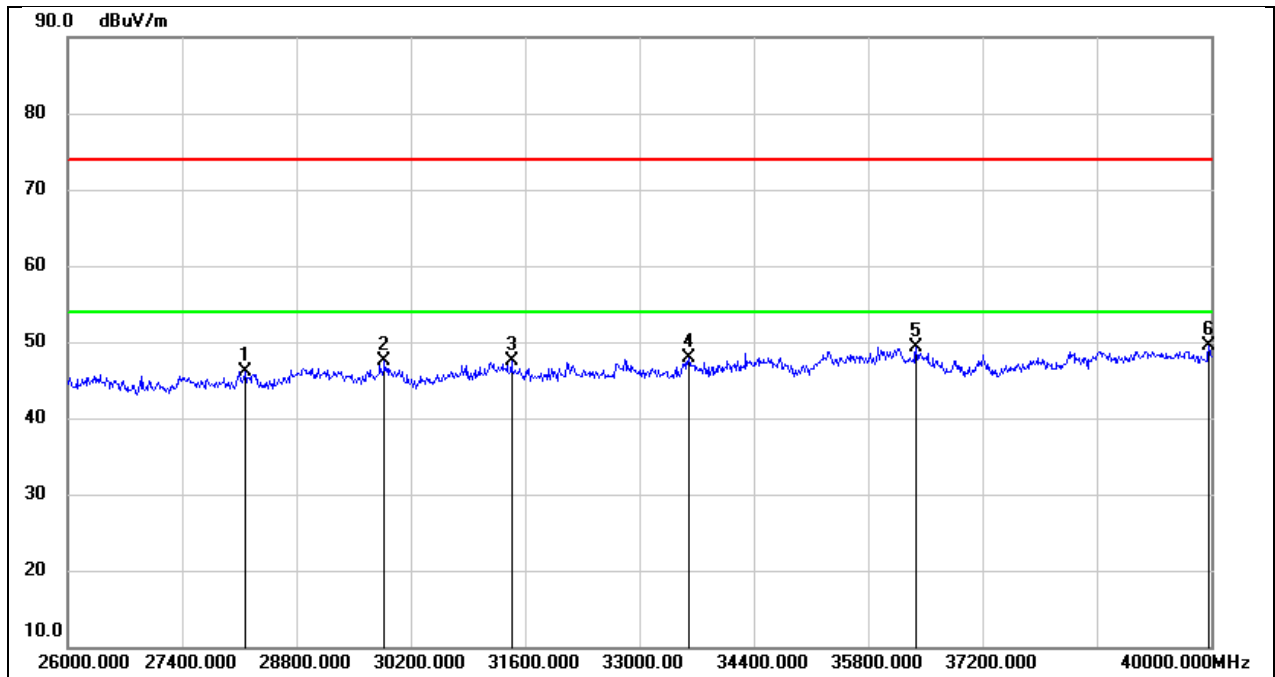
|            |            |                 |         |
|------------|------------|-----------------|---------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180    |
| Polarity:  | Horizontal | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 27442.000       | 49.42          | -3.62          | 45.80           | 74.00          | -28.20      | peak   |
| 2   | 28576.000       | 48.62          | -2.05          | 46.57           | 74.00          | -27.43      | peak   |
| 3   | 31012.000       | 47.33          | -0.71          | 46.62           | 74.00          | -27.38      | peak   |
| 4   | 34428.000       | 47.20          | 0.99           | 48.19           | 74.00          | -25.81      | peak   |
| 5   | 35968.000       | 44.60          | 3.96           | 48.56           | 74.00          | -25.44      | peak   |
| 6   | 39986.000       | 44.77          | 5.17           | 49.94           | 74.00          | -24.06      | peak   |



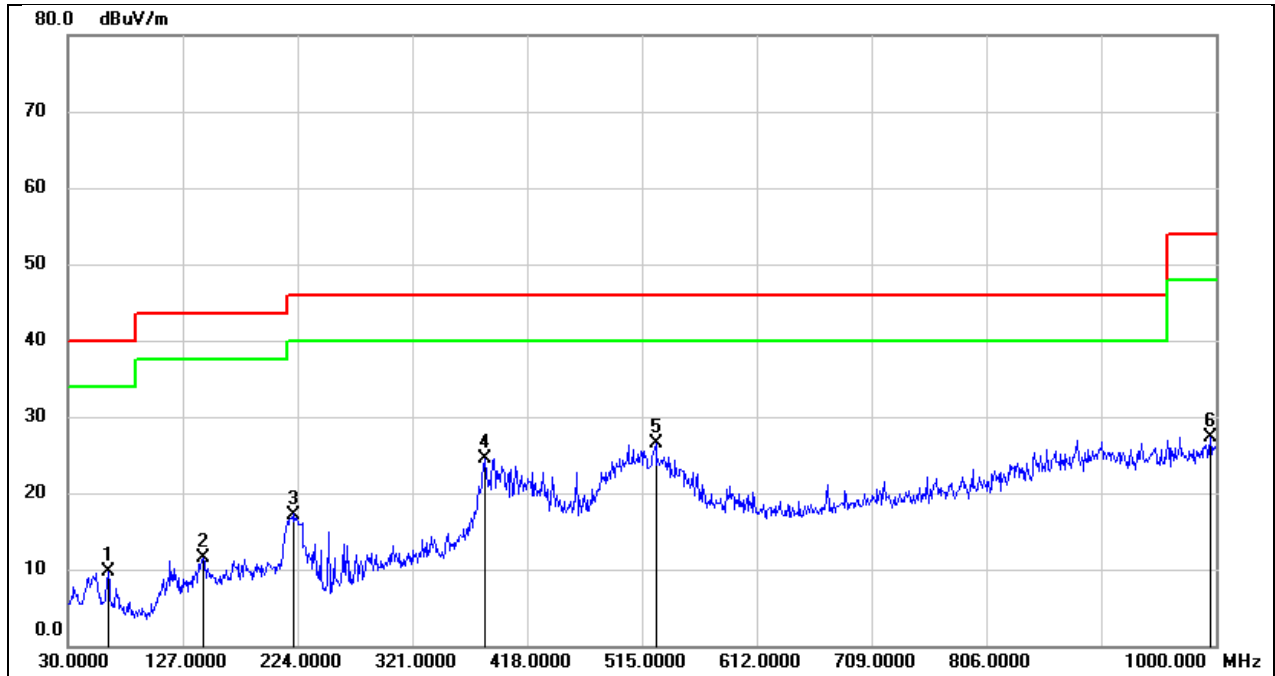
|            |            |                 |         |
|------------|------------|-----------------|---------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180    |
| Polarity:  | Vertical   | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 28170.000       | 49.09          | -2.92          | 46.17           | 74.00          | -27.83      | peak   |
| 2   | 29878.000       | 49.09          | -1.50          | 47.59           | 74.00          | -26.41      | peak   |
| 3   | 31432.000       | 48.52          | -1.10          | 47.42           | 74.00          | -26.58      | peak   |
| 4   | 33602.000       | 47.51          | 0.46           | 47.97           | 74.00          | -26.03      | peak   |
| 5   | 36388.000       | 45.82          | 3.52           | 49.34           | 74.00          | -24.66      | peak   |
| 6   | 39972.000       | 44.45          | 5.13           | 49.58           | 74.00          | -24.42      | peak   |

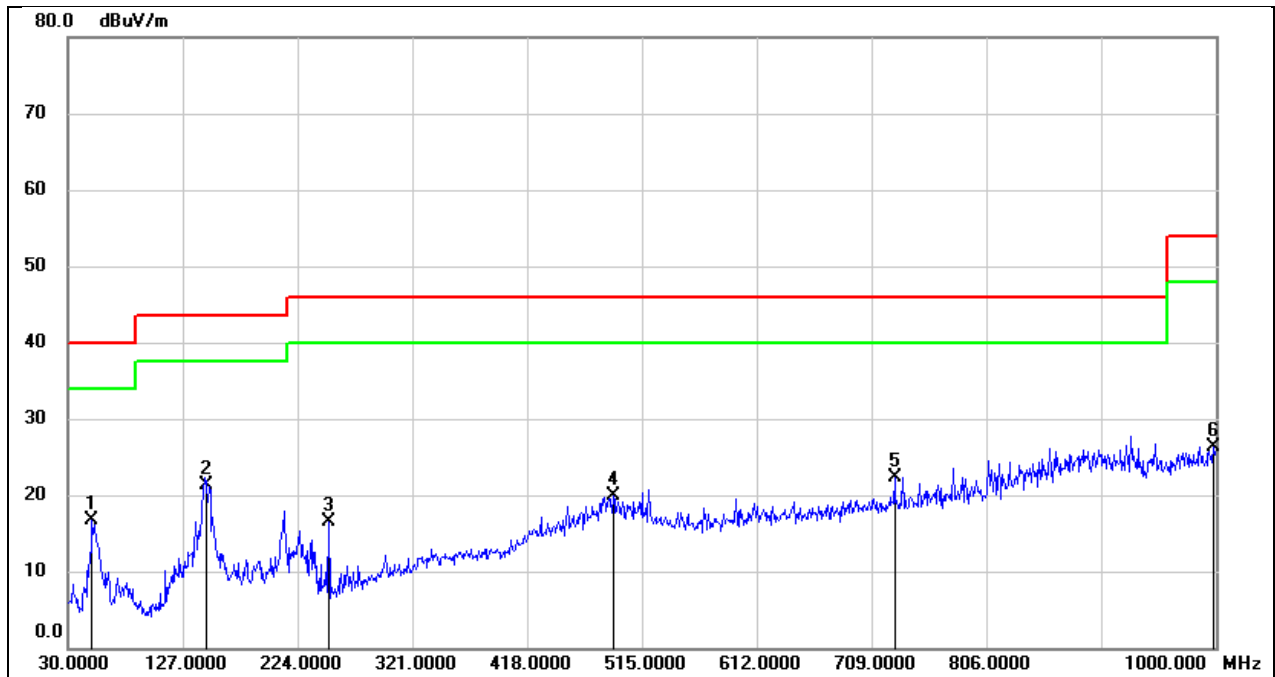
## 8.7. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

|            |            |                 |         |
|------------|------------|-----------------|---------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180    |
| Polarity:  | Horizontal | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 63.9500         | 24.77          | -15.07         | 9.70            | 40.00          | -30.30      | QP     |
| 2   | 144.4600        | 25.32          | -13.76         | 11.56           | 43.50          | -31.94      | QP     |
| 3   | 221.0900        | 30.34          | -13.14         | 17.20           | 46.00          | -28.80      | QP     |
| 4   | 382.1099        | 34.11          | -9.58          | 24.53           | 46.00          | -21.47      | QP     |
| 5   | 526.6400        | 33.85          | -7.33          | 26.52           | 46.00          | -19.48      | QP     |
| 6   | 995.1500        | 27.58          | -0.21          | 27.37           | 54.00          | -26.63      | QP     |

|            |            |                 |         |
|------------|------------|-----------------|---------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180    |
| Polarity:  | Vertical   | Test Voltage:   | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 50.3700         | 31.89          | -15.09         | 16.80           | 40.00          | -23.20      | QP     |
| 2   | 147.3700        | 34.88          | -13.61         | 21.27           | 43.50          | -22.23      | QP     |
| 3   | 250.1900        | 31.01          | -14.56         | 16.45           | 46.00          | -29.55      | QP     |
| 4   | 490.7500        | 27.74          | -7.76          | 19.98           | 46.00          | -26.02      | QP     |
| 5   | 728.4000        | 26.15          | -3.83          | 22.32           | 46.00          | -23.68      | QP     |
| 6   | 998.0600        | 26.47          | -0.15          | 26.32           | 54.00          | -27.68      | QP     |

## 9. AC POWER LINE CONDUCTED EMISSION

### LIMITS

Please refer to CFR 47 FCC §15.207 (a).

| FREQUENCY (MHz) | Quasi-peak | Average   |
|-----------------|------------|-----------|
| 0.15 -0.5       | 66 - 56 *  | 56 - 46 * |
| 0.50 -5.0       | 56.00      | 46.00     |
| 5.0 -30.0       | 60.00      | 50.00     |

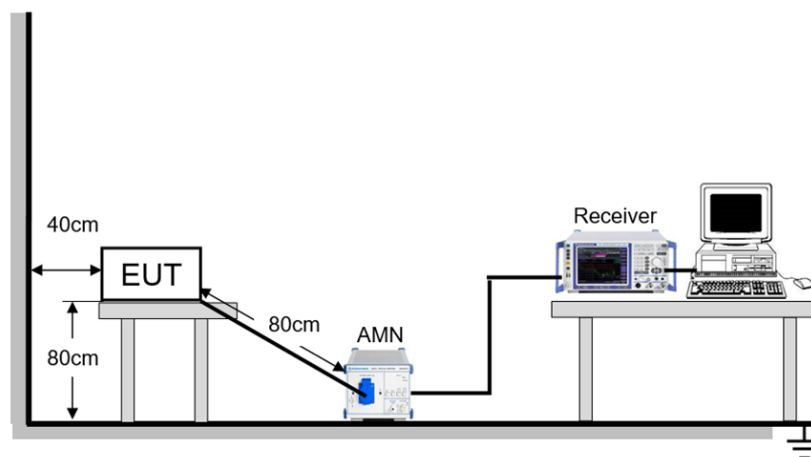
### TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

### TEST SETUP



**TEST ENVIRONMENT**

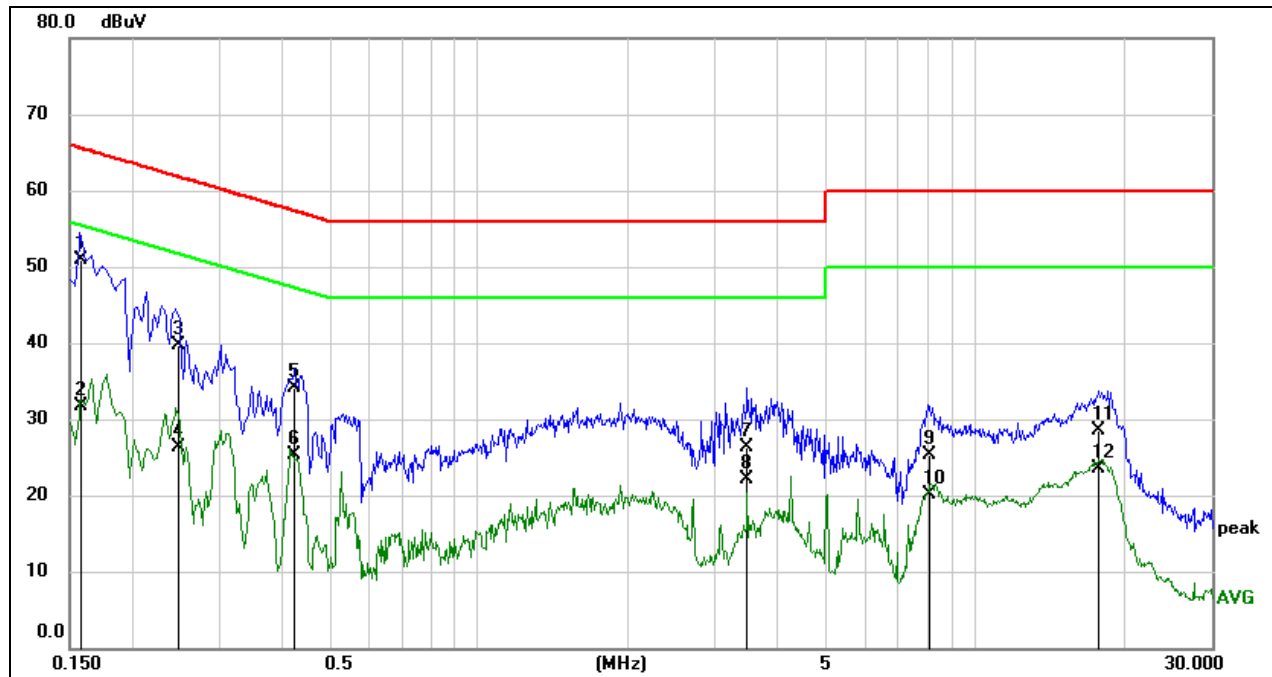
|                     |        |                   |         |
|---------------------|--------|-------------------|---------|
| Temperature         | 24.1°C | Relative Humidity | 55%     |
| Atmosphere Pressure | 101kPa | Test Voltage      | DC 3.3V |

**TEST DATE / ENGINEER**

|           |                |         |            |
|-----------|----------------|---------|------------|
| Test Date | August 7, 2025 | Test By | Deacon Tan |
|-----------|----------------|---------|------------|

## TEST RESULTS

|            |           |                 |      |
|------------|-----------|-----------------|------|
| Test Mode: | 802.11a20 | Frequency(MHz): | 5180 |
| Line:      | Line      |                 |      |



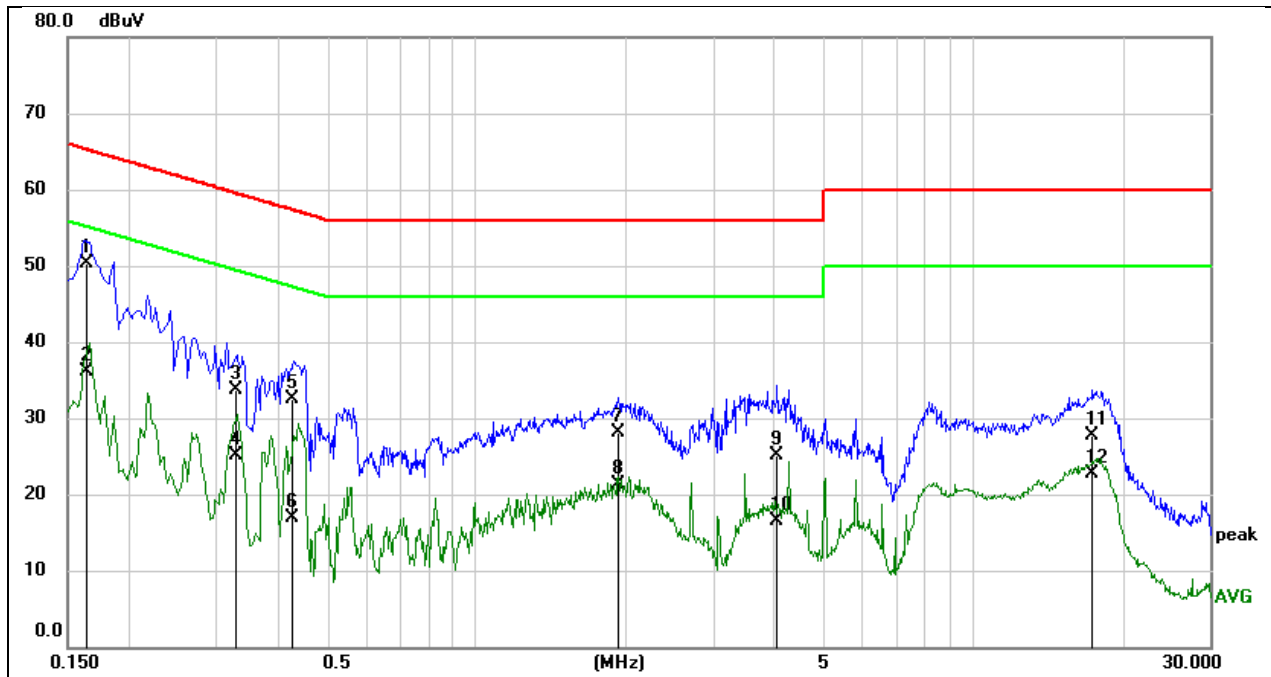
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|-----------------|----------------|--------------|---------------|--------------|-------------|--------|
| 1   | 0.1584          | 41.27          | 9.72         | 50.99         | 65.55        | -14.56      | QP     |
| 2   | 0.1584          | 22.07          | 9.72         | 31.79         | 55.55        | -23.76      | AVG    |
| 3   | 0.2484          | 29.97          | 9.64         | 39.61         | 61.81        | -22.20      | QP     |
| 4   | 0.2484          | 16.70          | 9.64         | 26.34         | 51.81        | -25.47      | AVG    |
| 5   | 0.4234          | 24.43          | 9.64         | 34.07         | 57.38        | -23.31      | QP     |
| 6   | 0.4234          | 15.61          | 9.64         | 25.25         | 47.38        | -22.13      | AVG    |
| 7   | 3.4839          | 16.50          | 9.73         | 26.23         | 56.00        | -29.77      | QP     |
| 8   | 3.4839          | 12.32          | 9.73         | 22.05         | 46.00        | -23.95      | AVG    |
| 9   | 8.0893          | 15.64          | 9.73         | 25.37         | 60.00        | -34.63      | QP     |
| 10  | 8.0893          | 10.29          | 9.73         | 20.02         | 50.00        | -29.98      | AVG    |
| 11  | 17.7786         | 18.81          | 9.74         | 28.55         | 60.00        | -31.45      | QP     |
| 12  | 17.7786         | 13.73          | 9.74         | 23.47         | 50.00        | -26.53      | AVG    |

### Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

|            |           |                 |      |
|------------|-----------|-----------------|------|
| Test Mode: | 802.11a20 | Frequency(MHz): | 5180 |
| Line:      | Neutral   |                 |      |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|-----------------|----------------|--------------|---------------|--------------|-------------|--------|
| 1   | 0.1638          | 40.73          | 9.64         | 50.37         | 65.27        | -14.90      | QP     |
| 2   | 0.1638          | 26.40          | 9.64         | 36.04         | 55.27        | -19.23      | AVG    |
| 3   | 0.3263          | 24.14          | 9.64         | 33.78         | 59.54        | -25.76      | QP     |
| 4   | 0.3263          | 15.45          | 9.64         | 25.09         | 49.54        | -24.45      | AVG    |
| 5   | 0.4256          | 22.96          | 9.64         | 32.60         | 57.34        | -24.74      | QP     |
| 6   | 0.4256          | 7.29           | 9.64         | 16.93         | 47.34        | -30.41      | AVG    |
| 7   | 1.9353          | 18.45          | 9.64         | 28.09         | 56.00        | -27.91      | QP     |
| 8   | 1.9353          | 11.65          | 9.64         | 21.29         | 46.00        | -24.71      | AVG    |
| 9   | 4.0321          | 15.48          | 9.63         | 25.11         | 56.00        | -30.89      | QP     |
| 10  | 4.0321          | 6.95           | 9.63         | 16.58         | 46.00        | -29.42      | AVG    |
| 11  | 17.4005         | 18.00          | 9.74         | 27.74         | 60.00        | -32.26      | QP     |
| 12  | 17.4005         | 12.87          | 9.74         | 22.61         | 50.00        | -27.39      | AVG    |

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

## 10. ANTENNA REQUIREMENT

### REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.407(a)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### DESCRIPTION

Pass



## 11. TEST DATA

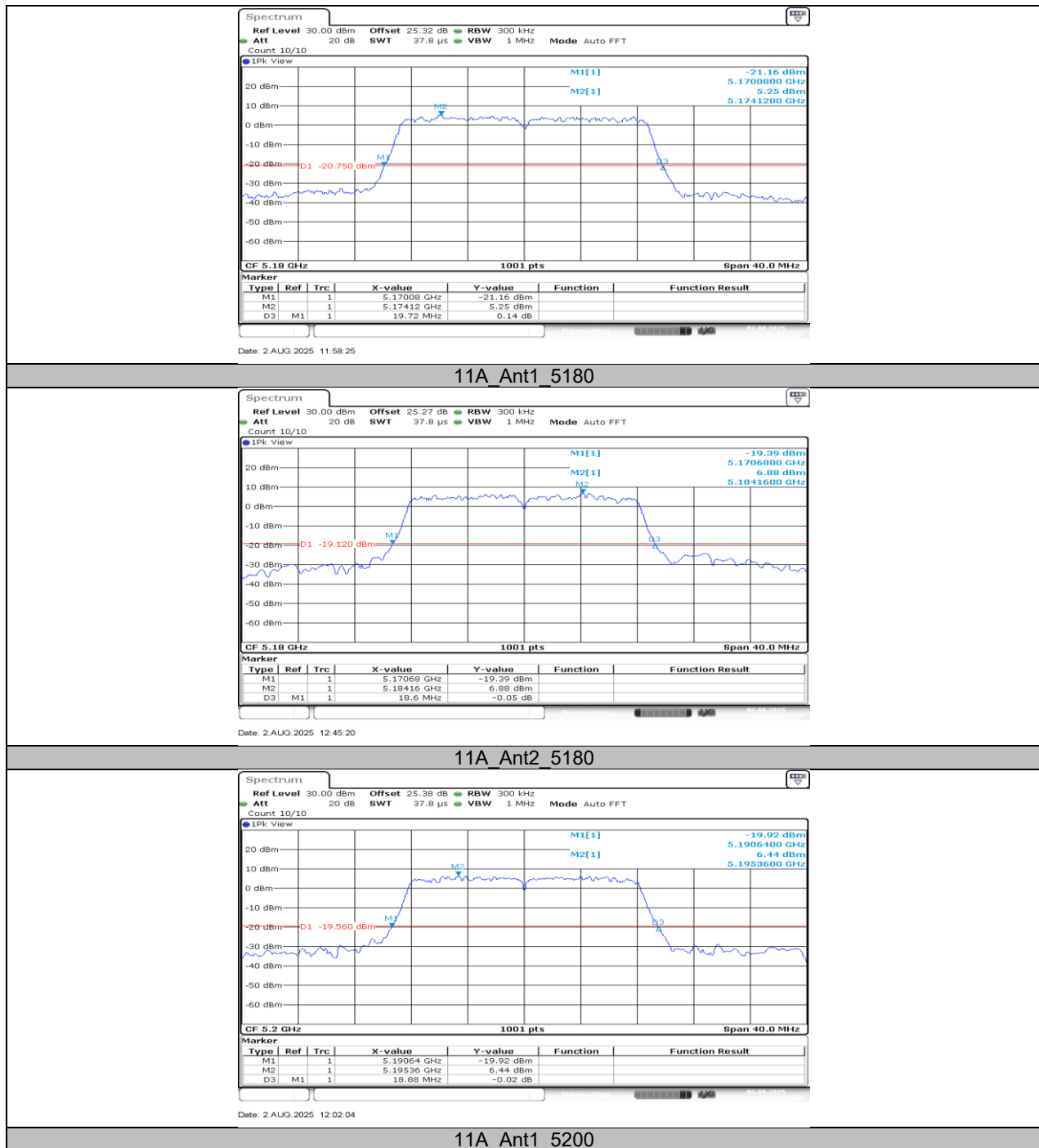
### 11.1. APPENDIX A: EMISSION BANDWIDTH

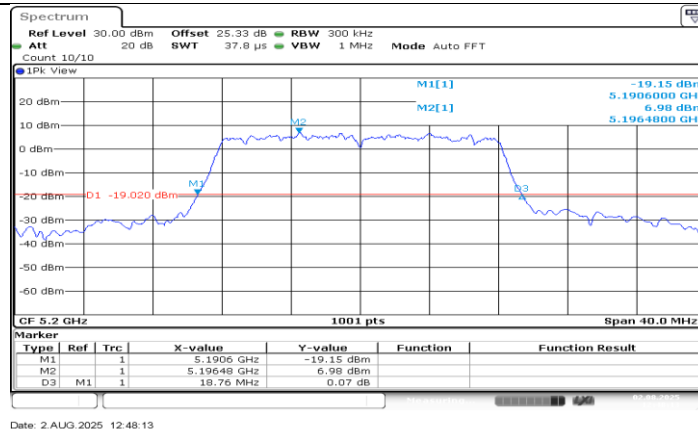
#### 11.1.1. Test Result

| Test Mode | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Verdict |
|-----------|---------|----------------|----------------|---------|---------|---------|
| 11A       | Ant1    | 5180           | 19.72          | 5170.08 | 5189.80 | PASS    |
|           | Ant2    | 5180           | 18.60          | 5170.68 | 5189.28 | PASS    |
|           | Ant1    | 5200           | 18.88          | 5190.64 | 5209.52 | PASS    |
|           | Ant2    | 5200           | 18.76          | 5190.60 | 5209.36 | PASS    |
|           | Ant1    | 5240           | 18.72          | 5230.68 | 5249.40 | PASS    |
|           | Ant2    | 5240           | 18.64          | 5230.64 | 5249.28 | PASS    |
|           | Ant1    | 5260           | 18.72          | 5250.68 | 5269.40 | PASS    |
|           | Ant2    | 5260           | 18.76          | 5250.60 | 5269.36 | PASS    |
|           | Ant1    | 5280           | 18.64          | 5270.72 | 5289.36 | PASS    |
|           | Ant2    | 5280           | 18.84          | 5270.60 | 5289.44 | PASS    |
|           | Ant1    | 5320           | 18.76          | 5310.64 | 5329.40 | PASS    |
|           | Ant2    | 5320           | 18.52          | 5310.68 | 5329.20 | PASS    |
|           | Ant1    | 5500           | 18.68          | 5490.68 | 5509.36 | PASS    |
|           | Ant2    | 5500           | 18.96          | 5490.40 | 5509.36 | PASS    |
|           | Ant1    | 5580           | 19.16          | 5570.64 | 5589.80 | PASS    |
|           | Ant2    | 5580           | 18.64          | 5570.68 | 5589.32 | PASS    |
|           | Ant1    | 5700           | 18.80          | 5690.56 | 5709.36 | PASS    |
|           | Ant2    | 5700           | 18.72          | 5690.60 | 5709.32 | PASS    |
|           | Ant1    | 5720           | 18.64          | 5710.76 | 5729.40 | PASS    |
|           | Ant2    | 5720           | 18.88          | 5710.56 | 5729.44 | PASS    |
|           | Ant1    | 5720 UNII-2C   | 14.24          | 5710.76 | 5725    | PASS    |
|           | Ant2    | 5720 UNII-2C   | 14.44          | 5710.56 | 5725    | PASS    |
|           | Ant1    | 5720 UNII-3    | 4.4            | 5725    | 5729.40 | PASS    |
|           | Ant2    | 5720 UNII-3    | 4.44           | 5725    | 5729.44 | PASS    |
|           | Ant1    | 5745           | 19.28          | 5735.60 | 5754.88 | PASS    |
|           | Ant2    | 5745           | 18.60          | 5735.72 | 5754.32 | PASS    |
|           | Ant1    | 5785           | 18.76          | 5775.60 | 5794.36 | PASS    |
|           | Ant2    | 5785           | 18.84          | 5775.60 | 5794.44 | PASS    |
|           | Ant1    | 5825           | 18.88          | 5815.64 | 5834.52 | PASS    |
|           | Ant2    | 5825           | 18.72          | 5815.64 | 5834.36 | PASS    |
| 11N20MIMO | Ant1    | 5180           | 19.60          | 5170.24 | 5189.84 | PASS    |
|           | Ant2    | 5180           | 19.56          | 5170.16 | 5189.72 | PASS    |
|           | Ant1    | 5200           | 19.44          | 5190.28 | 5209.72 | PASS    |
|           | Ant2    | 5200           | 19.64          | 5190.20 | 5209.84 | PASS    |
|           | Ant1    | 5240           | 19.60          | 5230.16 | 5249.76 | PASS    |
|           | Ant2    | 5240           | 19.60          | 5230.20 | 5249.80 | PASS    |
|           | Ant1    | 5260           | 19.60          | 5250.20 | 5269.80 | PASS    |
|           | Ant2    | 5260           | 19.80          | 5250.00 | 5269.80 | PASS    |
|           | Ant1    | 5280           | 19.72          | 5270.12 | 5289.84 | PASS    |
|           | Ant2    | 5280           | 19.60          | 5270.24 | 5289.84 | PASS    |
|           | Ant1    | 5320           | 19.64          | 5310.16 | 5329.80 | PASS    |
|           | Ant2    | 5320           | 19.68          | 5310.12 | 5329.80 | PASS    |
|           | Ant1    | 5500           | 19.44          | 5490.20 | 5509.64 | PASS    |
|           | Ant2    | 5500           | 21.24          | 5490.12 | 5511.36 | PASS    |
|           | Ant1    | 5580           | 19.76          | 5570.08 | 5589.84 | PASS    |
|           | Ant2    | 5580           | 19.76          | 5570.04 | 5589.80 | PASS    |
|           | Ant1    | 5700           | 19.68          | 5690.20 | 5709.88 | PASS    |
|           | Ant2    | 5700           | 19.60          | 5690.24 | 5709.84 | PASS    |
|           | Ant1    | 5720           | 19.68          | 5710.16 | 5729.84 | PASS    |
|           | Ant2    | 5720           | 19.72          | 5710.08 | 5729.80 | PASS    |
|           | Ant1    | 5720 UNII-2C   | 14.84          | 5710.16 | 5725    | PASS    |
|           | Ant2    | 5720 UNII-2C   | 14.92          | 5710.08 | 5725    | PASS    |

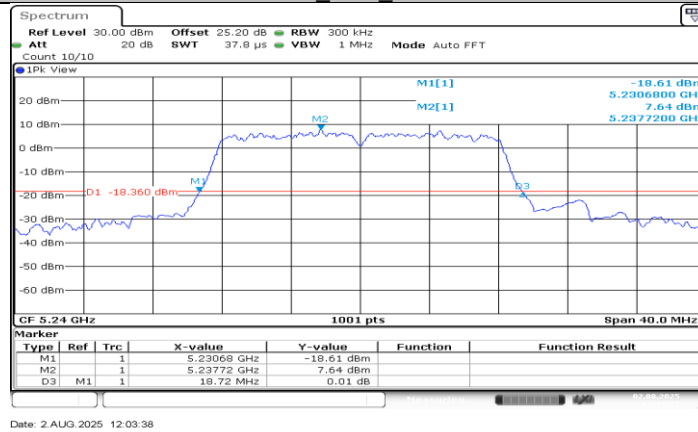
|            |      |              |       |         |         |      |
|------------|------|--------------|-------|---------|---------|------|
|            | Ant1 | 5720 UNII-3  | 4.84  | 5725    | 5729.84 | PASS |
|            | Ant2 | 5720 UNII-3  | 4.8   | 5725    | 5729.80 | PASS |
|            | Ant1 | 5745         | 19.72 | 5735.12 | 5754.84 | PASS |
|            | Ant2 | 5745         | 19.48 | 5735.16 | 5754.64 | PASS |
|            | Ant1 | 5785         | 19.88 | 5774.92 | 5794.80 | PASS |
|            | Ant2 | 5785         | 19.56 | 5775.16 | 5794.72 | PASS |
|            | Ant1 | 5825         | 19.72 | 5815.16 | 5834.88 | PASS |
|            | Ant2 | 5825         | 19.64 | 5815.12 | 5834.76 | PASS |
| 11N40MIMO  | Ant1 | 5190         | 41.68 | 5169.12 | 5210.80 | PASS |
|            | Ant2 | 5190         | 43.60 | 5169.12 | 5212.72 | PASS |
|            | Ant1 | 5230         | 41.60 | 5209.20 | 5250.80 | PASS |
|            | Ant2 | 5230         | 41.44 | 5209.20 | 5250.64 | PASS |
|            | Ant1 | 5270         | 41.44 | 5249.44 | 5290.88 | PASS |
|            | Ant2 | 5270         | 41.44 | 5249.36 | 5290.80 | PASS |
|            | Ant1 | 5310         | 41.76 | 5289.20 | 5330.96 | PASS |
|            | Ant2 | 5310         | 41.68 | 5289.20 | 5330.88 | PASS |
|            | Ant1 | 5510         | 43.68 | 5489.04 | 5532.72 | PASS |
|            | Ant2 | 5510         | 49.28 | 5488.32 | 5537.60 | PASS |
|            | Ant1 | 5550         | 41.60 | 5529.20 | 5570.80 | PASS |
|            | Ant2 | 5550         | 41.44 | 5529.20 | 5570.64 | PASS |
|            | Ant1 | 5670         | 43.52 | 5649.20 | 5692.72 | PASS |
|            | Ant2 | 5670         | 42.40 | 5648.80 | 5691.20 | PASS |
|            | Ant1 | 5710         | 43.52 | 5689.12 | 5732.64 | PASS |
|            | Ant2 | 5710         | 41.60 | 5689.12 | 5730.72 | PASS |
|            | Ant1 | 5710 UNII-2C | 35.88 | 5689.12 | 5725    | PASS |
|            | Ant2 | 5710 UNII-2C | 35.88 | 5689.12 | 5725    | PASS |
|            | Ant1 | 5710 UNII-3  | 7.64  | 5725    | 5732.64 | PASS |
|            | Ant2 | 5710 UNII-3  | 5.72  | 5725    | 5730.72 | PASS |
|            | Ant1 | 5755         | 42.08 | 5734.12 | 5776.20 | PASS |
|            | Ant2 | 5755         | 41.92 | 5734.12 | 5776.04 | PASS |
|            | Ant1 | 5795         | 41.76 | 5774.04 | 5815.80 | PASS |
|            | Ant2 | 5795         | 41.76 | 5774.04 | 5815.80 | PASS |
| 11AC80MIMO | Ant1 | 5210         | 81.60 | 5169.68 | 5251.28 | PASS |
|            | Ant2 | 5210         | 81.60 | 5169.52 | 5251.12 | PASS |
|            | Ant1 | 5290         | 81.76 | 5249.36 | 5331.12 | PASS |
|            | Ant2 | 5290         | 81.44 | 5249.52 | 5330.96 | PASS |
|            | Ant1 | 5530         | 81.28 | 5489.84 | 5571.12 | PASS |
|            | Ant2 | 5530         | 81.76 | 5489.52 | 5571.28 | PASS |
|            | Ant1 | 5610         | 81.76 | 5569.52 | 5651.28 | PASS |
|            | Ant2 | 5610         | 81.92 | 5569.20 | 5651.12 | PASS |
|            | Ant1 | 5690         | 81.76 | 5649.68 | 5731.44 | PASS |
|            | Ant2 | 5690         | 81.92 | 5649.20 | 5731.12 | PASS |
|            | Ant1 | 5690 UNII-2C | 75.32 | 5649.68 | 5725    | PASS |
|            | Ant2 | 5690 UNII-2C | 75.8  | 5649.20 | 5725    | PASS |
|            | Ant1 | 5690 UNII-3  | 6.44  | 5725    | 5731.44 | PASS |
|            | Ant2 | 5690 UNII-3  | 6.12  | 5725    | 5731.12 | PASS |
|            | Ant1 | 5775         | 81.60 | 5734.36 | 5815.96 | PASS |
|            | Ant2 | 5775         | 81.76 | 5734.52 | 5816.28 | PASS |

## 11.1.2. Test Graphs

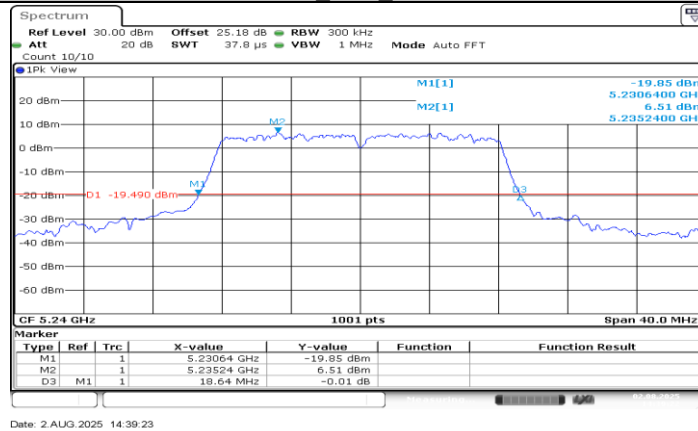




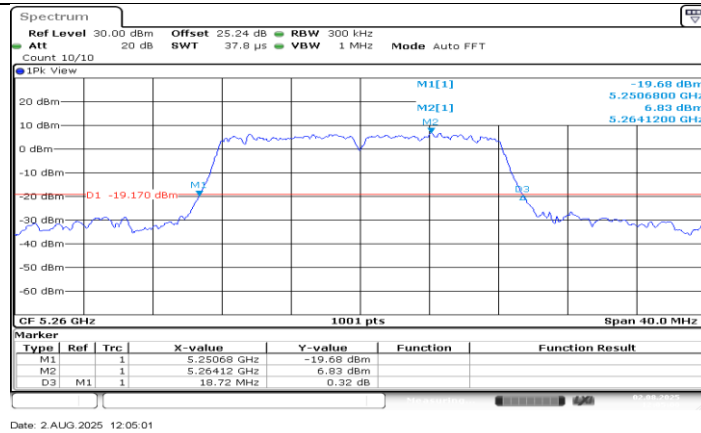
11A\_Ant2\_5200



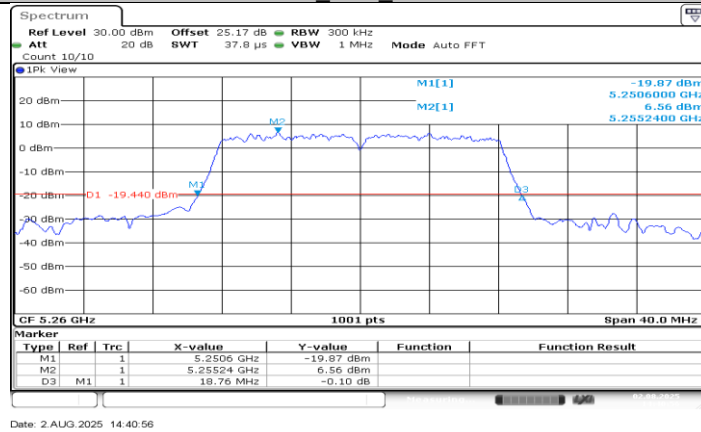
11A\_Ant1\_5240



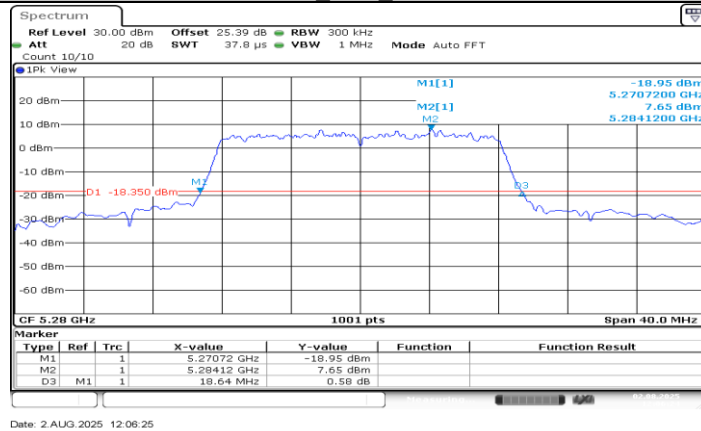
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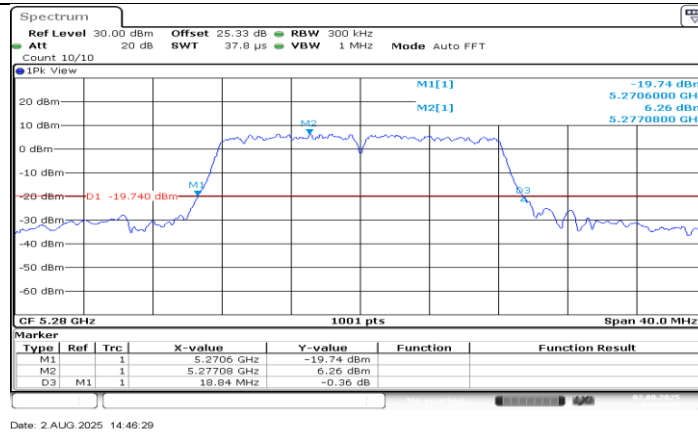
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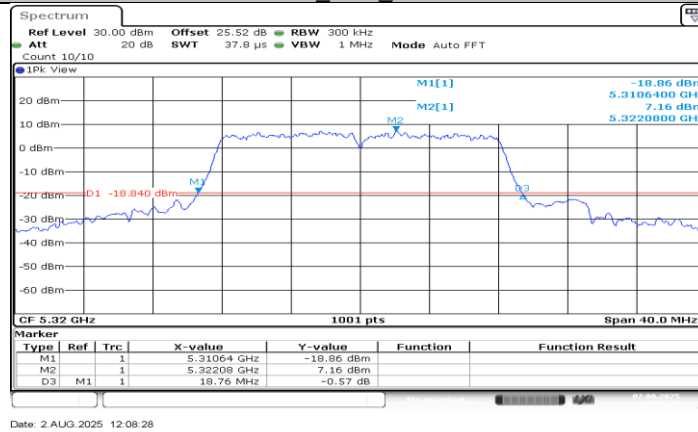
11A\_Ant2\_5260



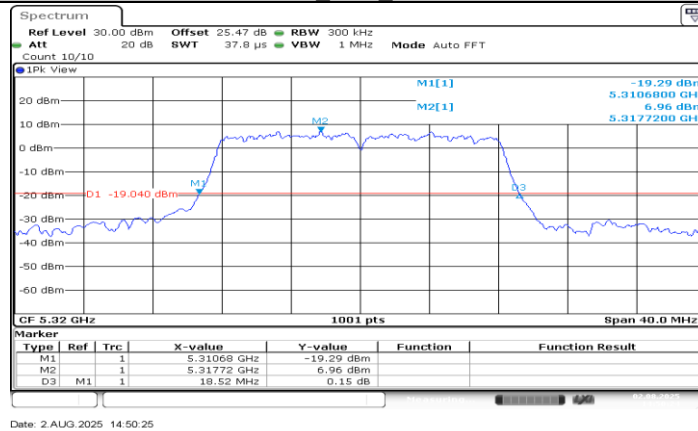
11A\_Ant1\_5280



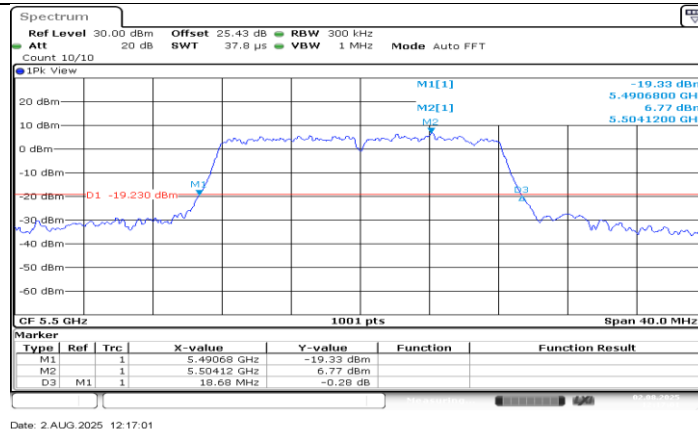
11A\_Ant2\_5280



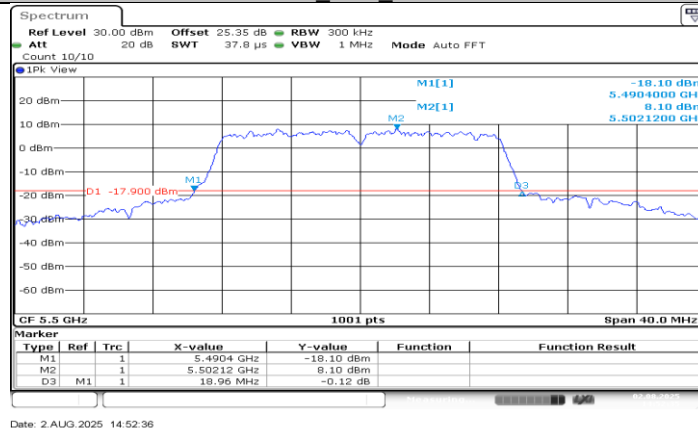
11A\_Ant1\_5320



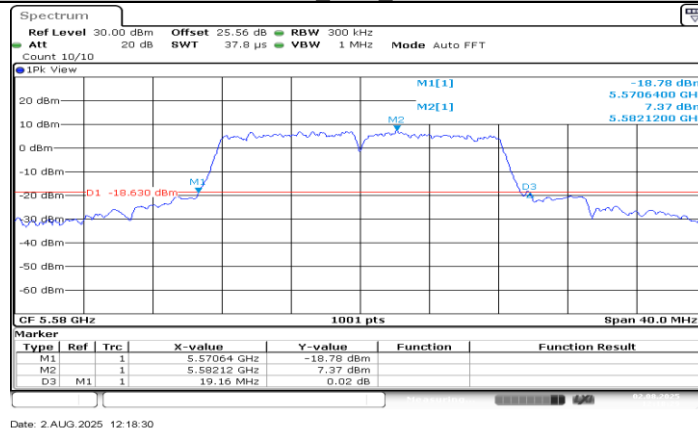
11A\_Ant2\_5320



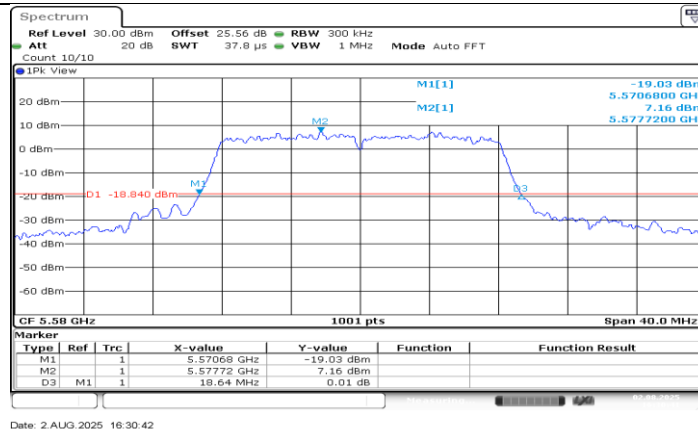
11A\_Ant1\_5500



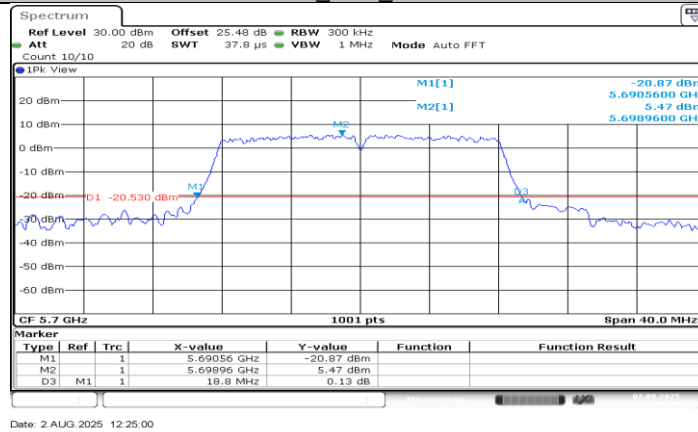
11A\_Ant2\_5500



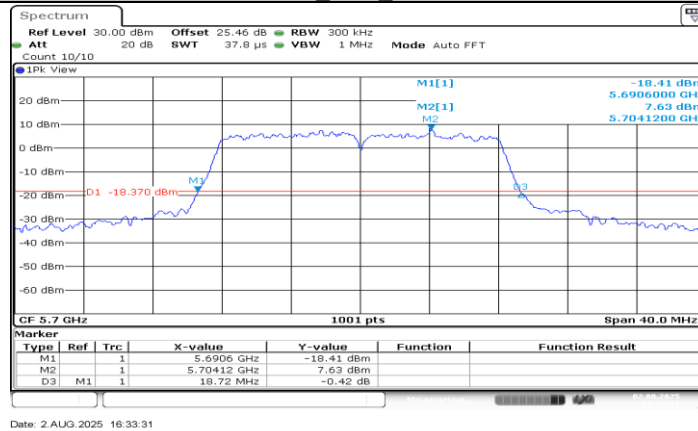
11A\_Ant1\_5580



11A\_Ant2\_5580

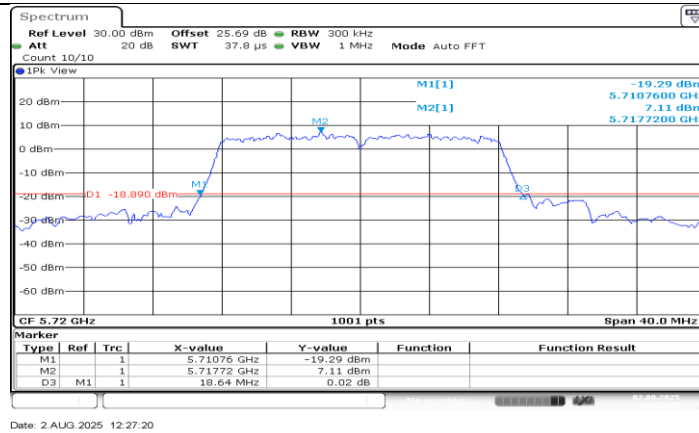


11A\_Ant1\_5700

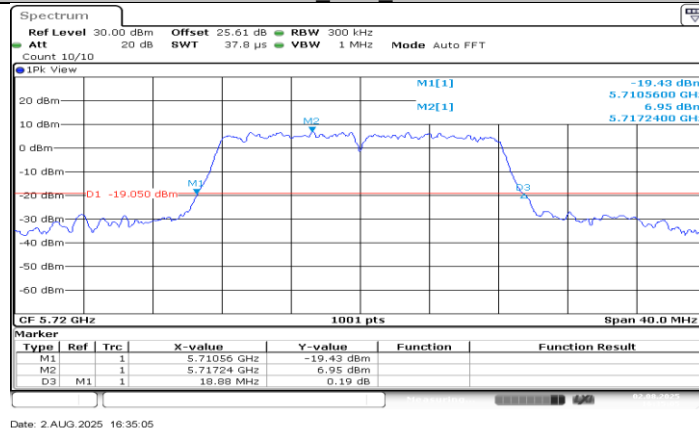


11A\_Ant2\_5700

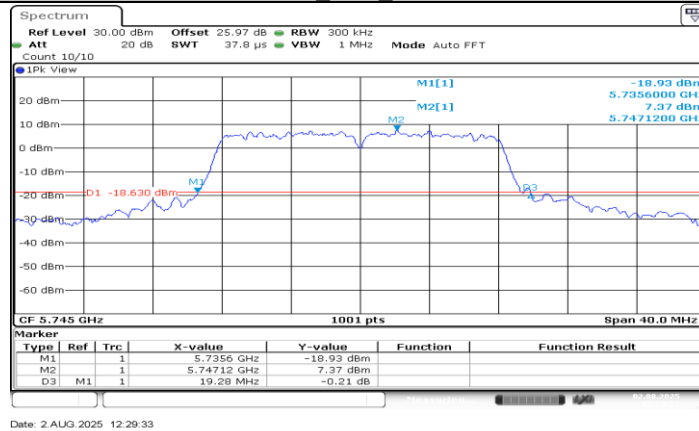




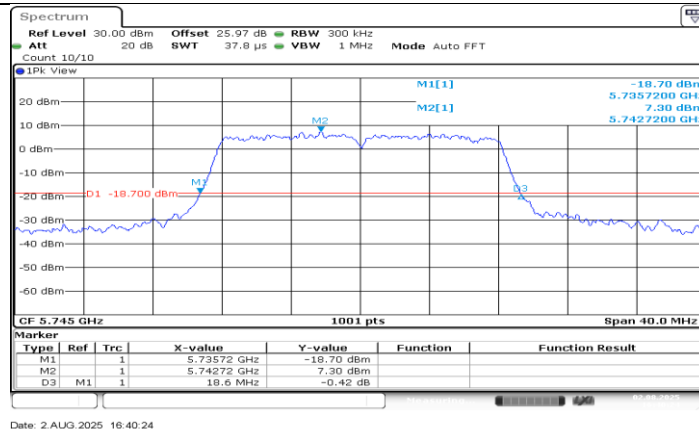
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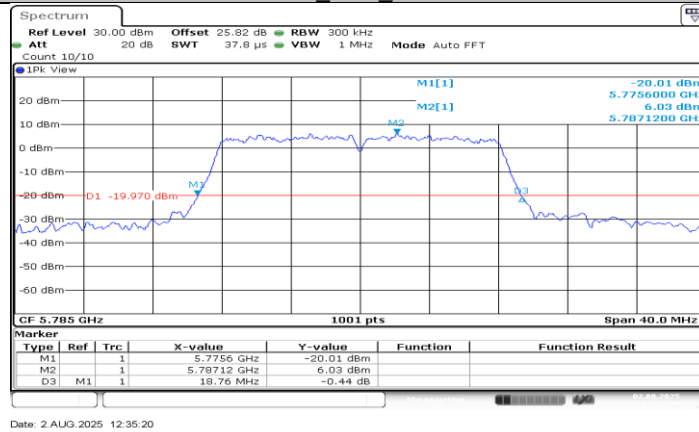
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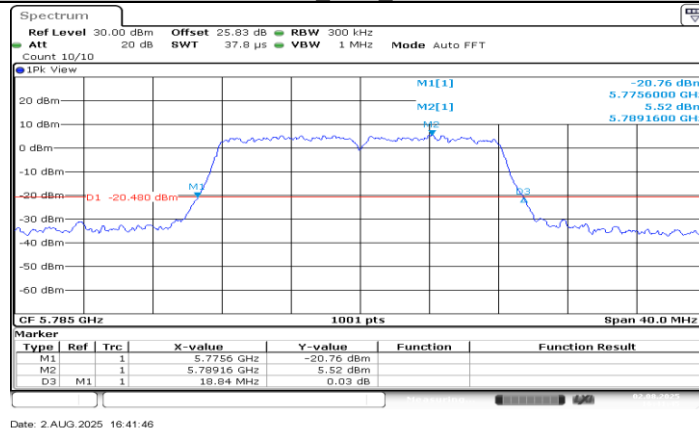
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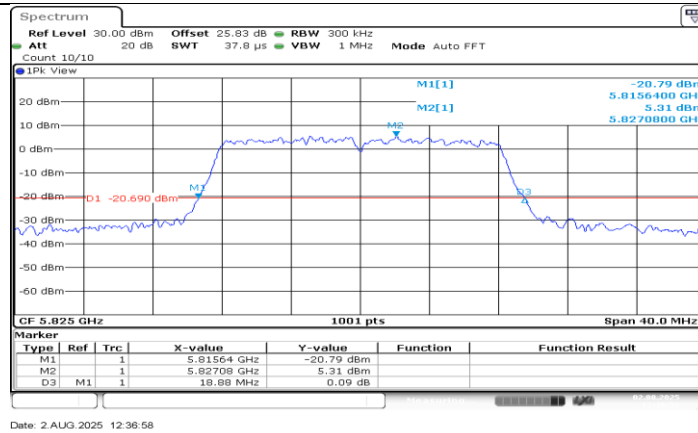
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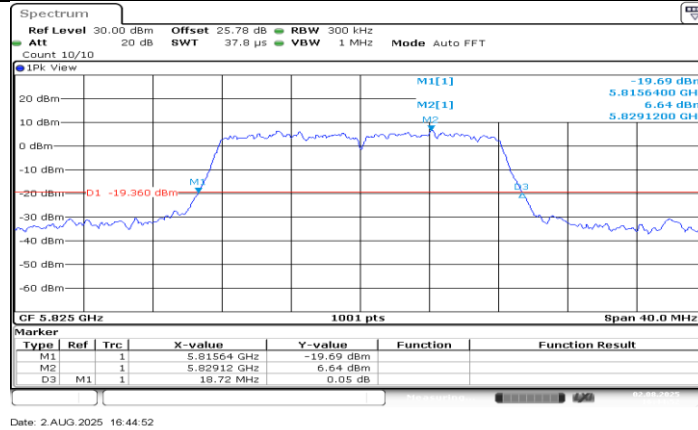
11A\_Ant1\_5785



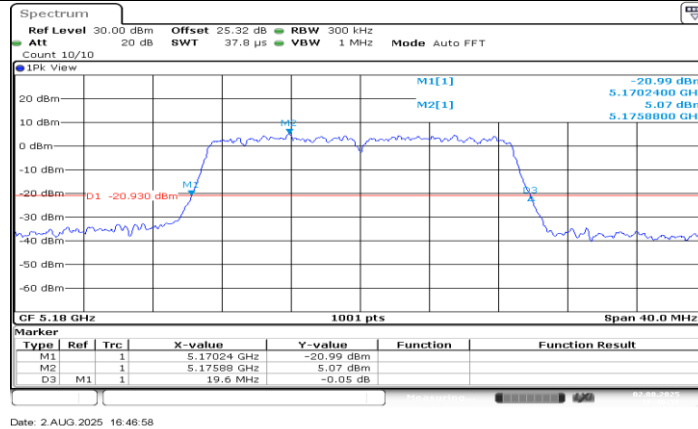
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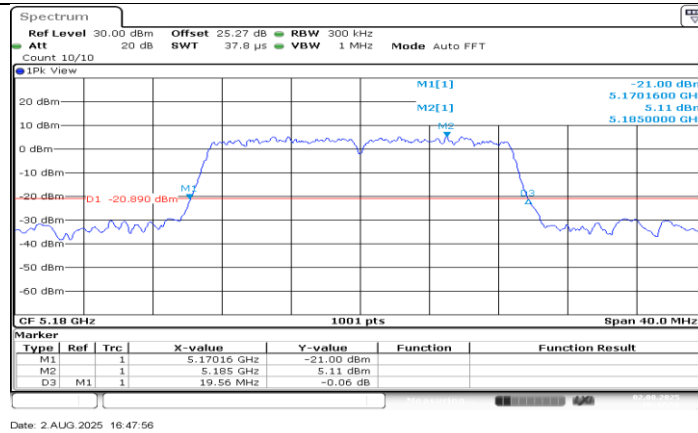
11A Ant1 5825



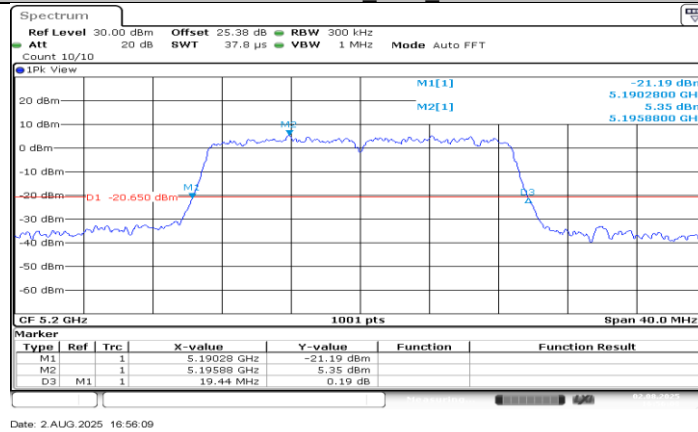
11A Ant2 5825



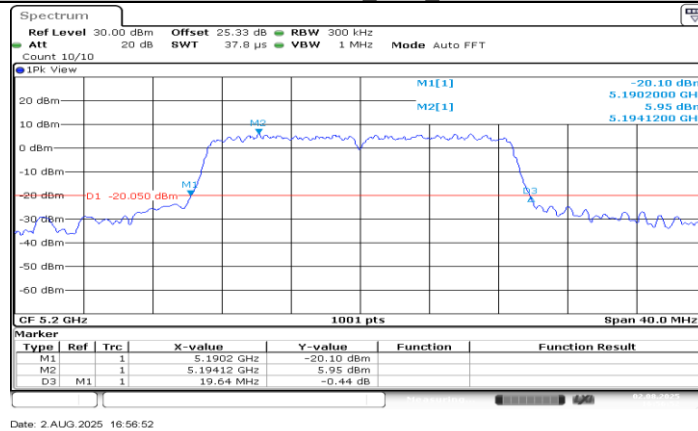
11N20MIMO Ant1 5180



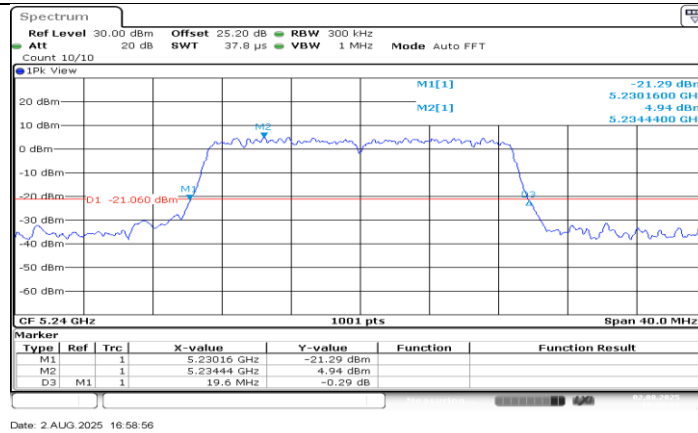
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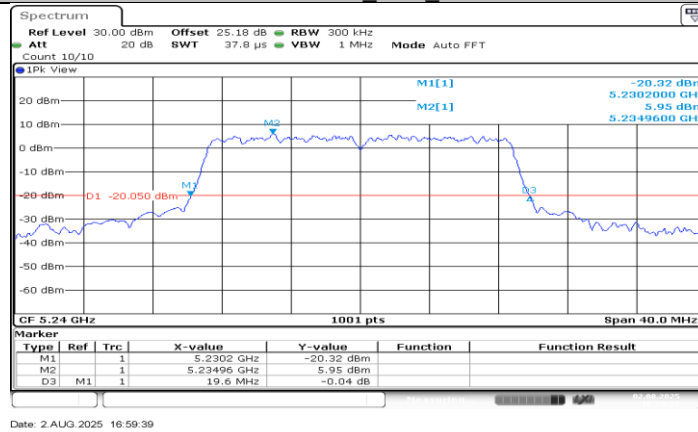
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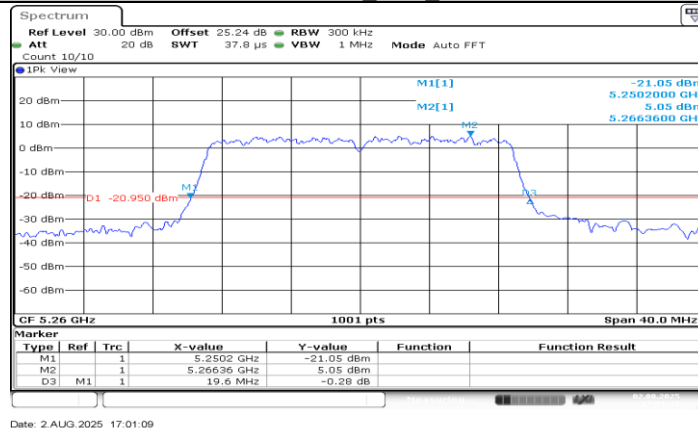
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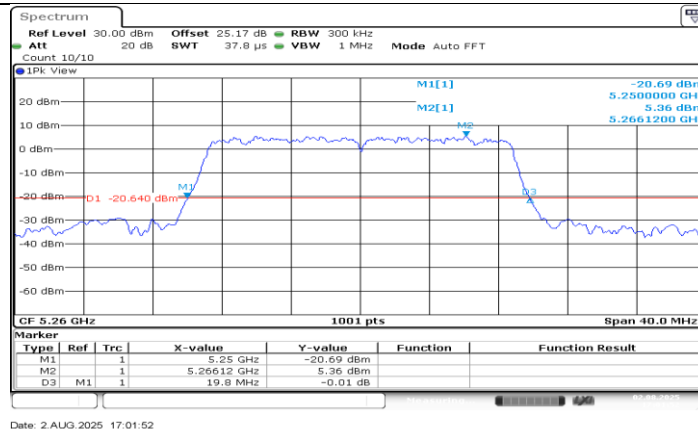
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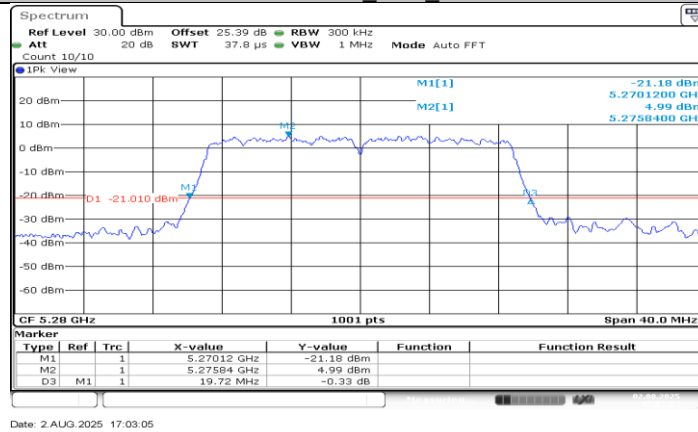
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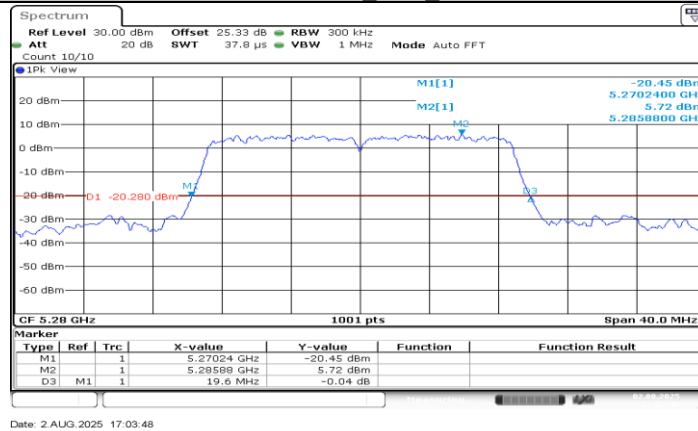
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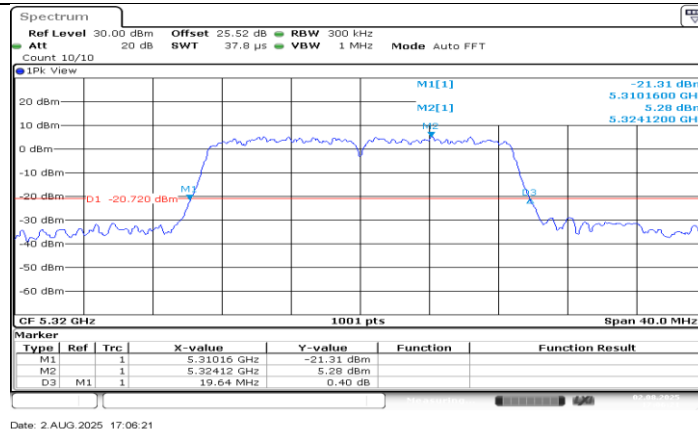
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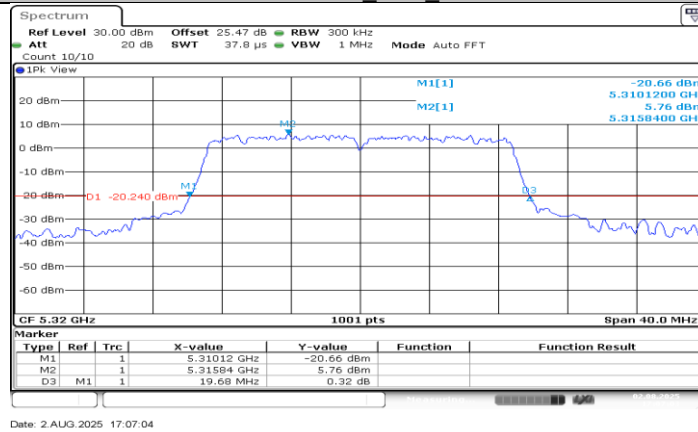
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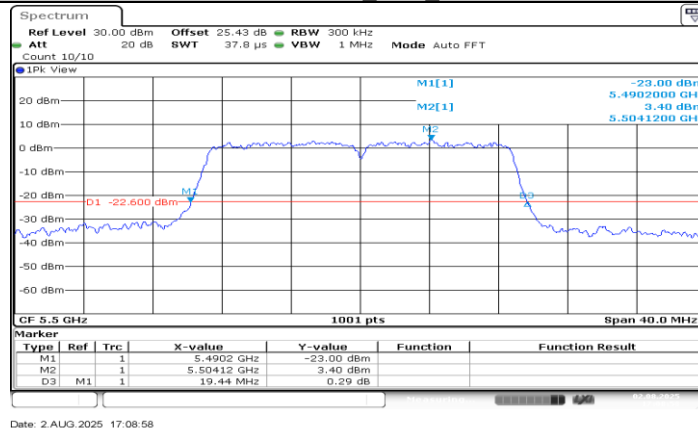
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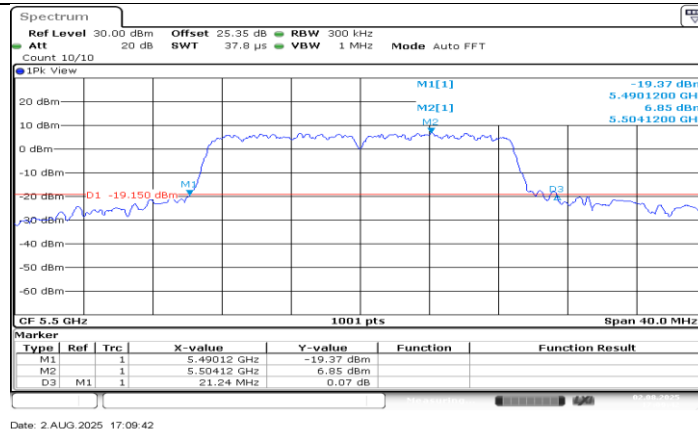
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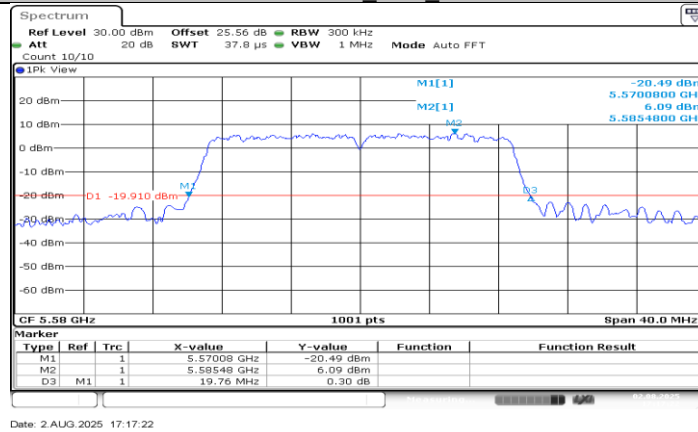
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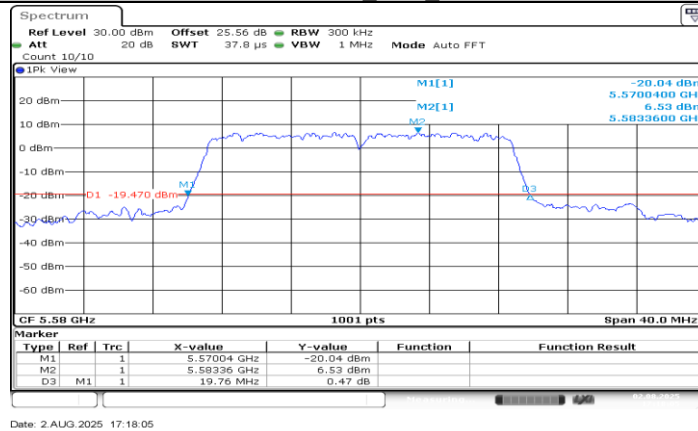
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11N20MIMO Ant2\_5500

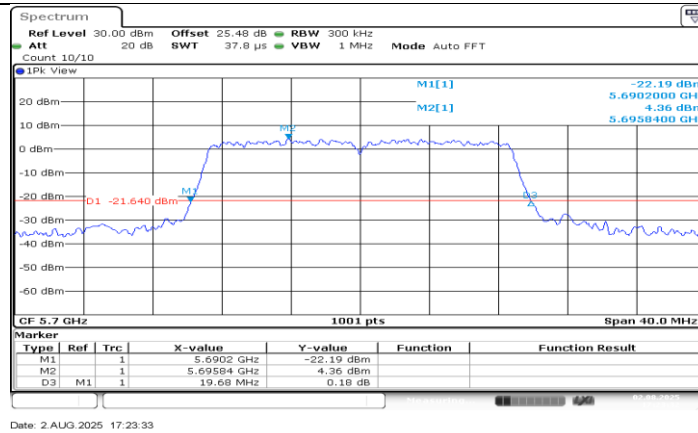


11N20MIMO Ant1\_5580

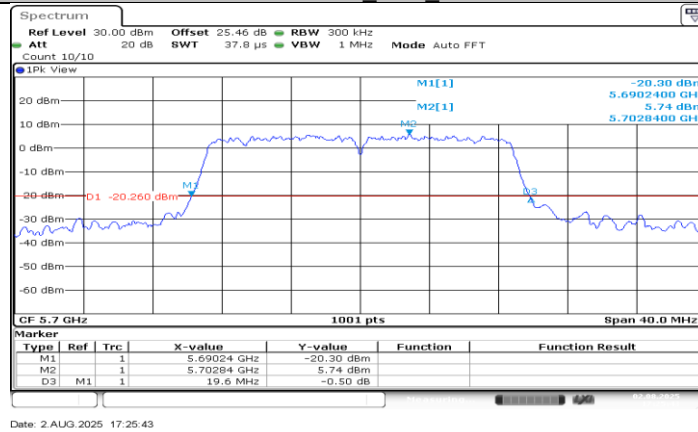


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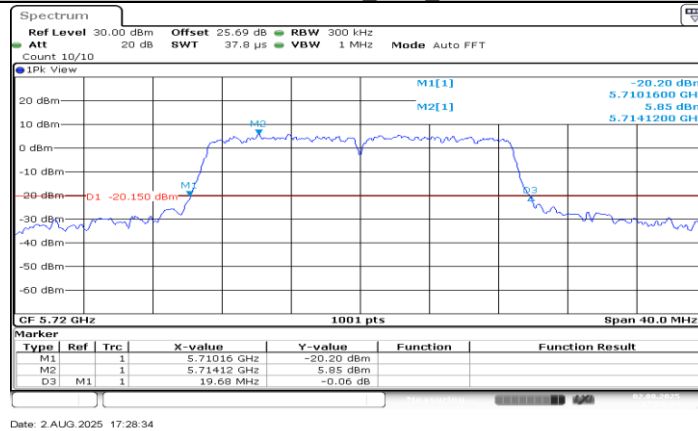




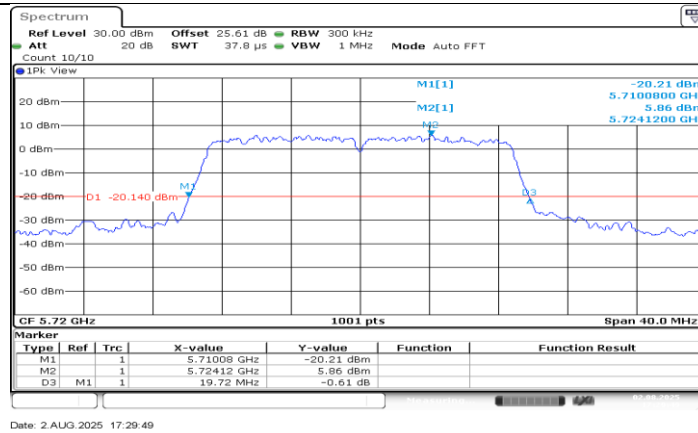
11N20MIMO Ant1 5700



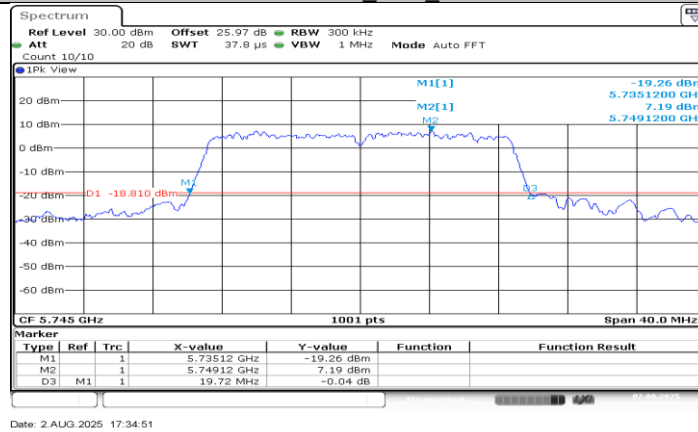
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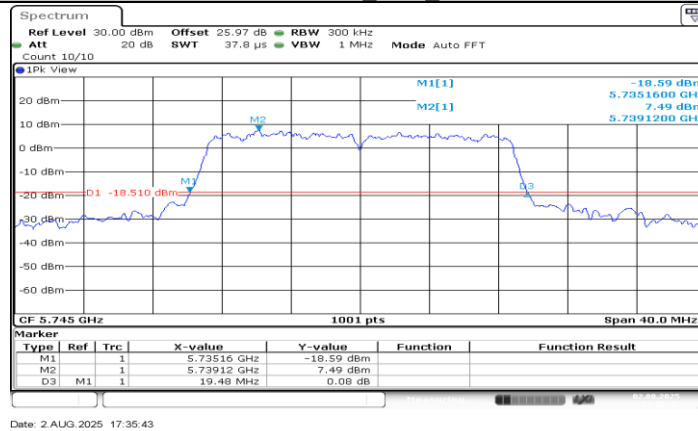
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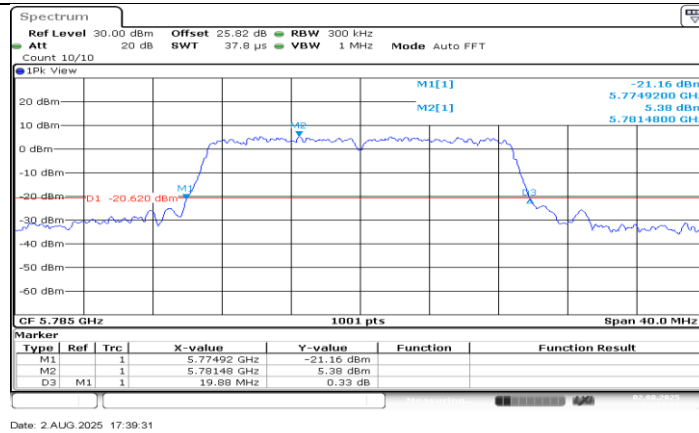
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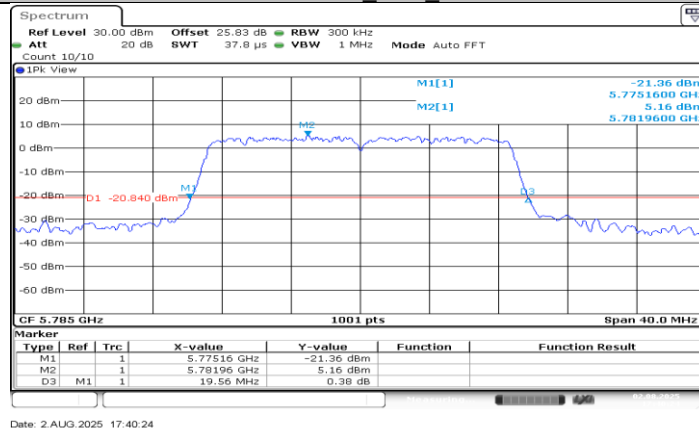
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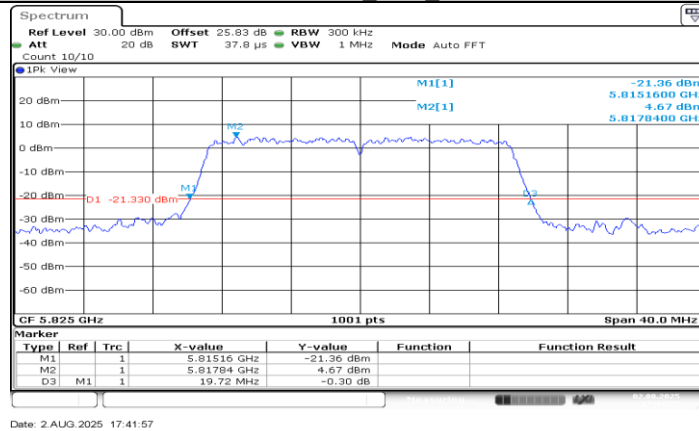
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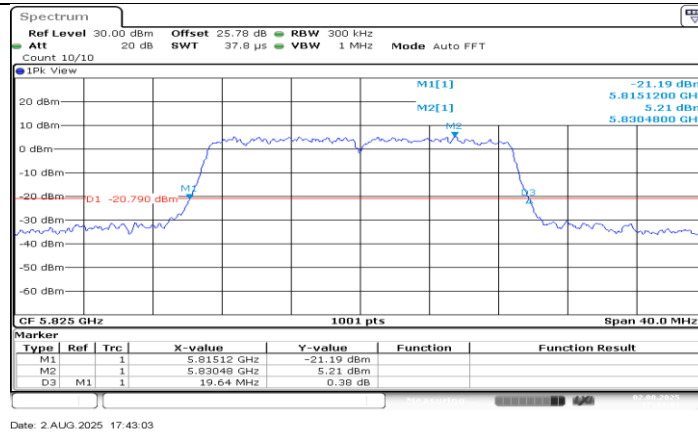
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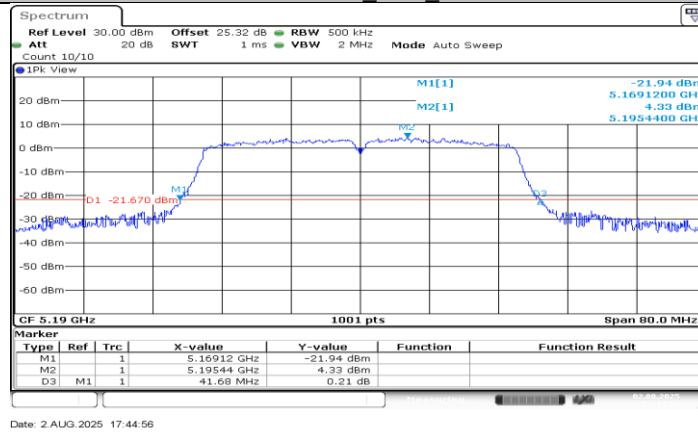
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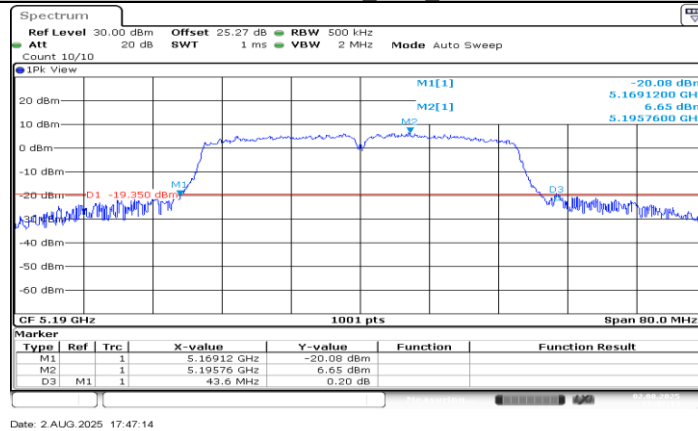
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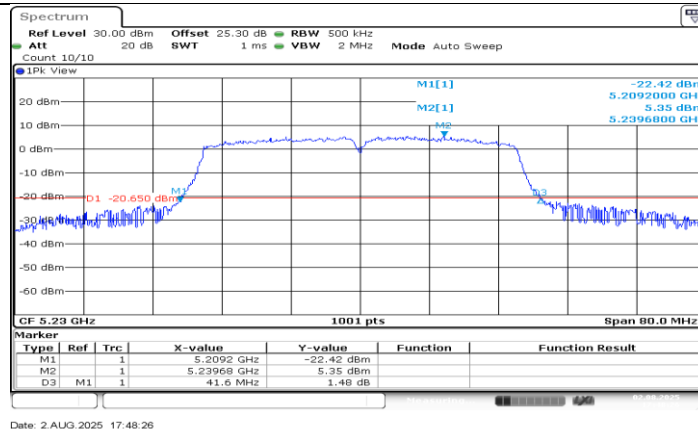
11N20MIMO Ant2 5825



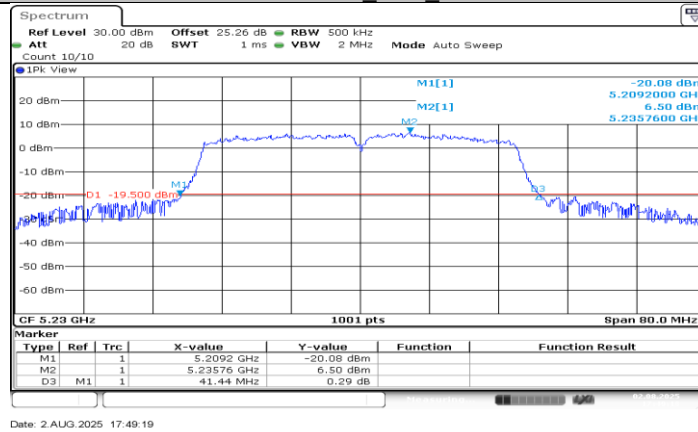
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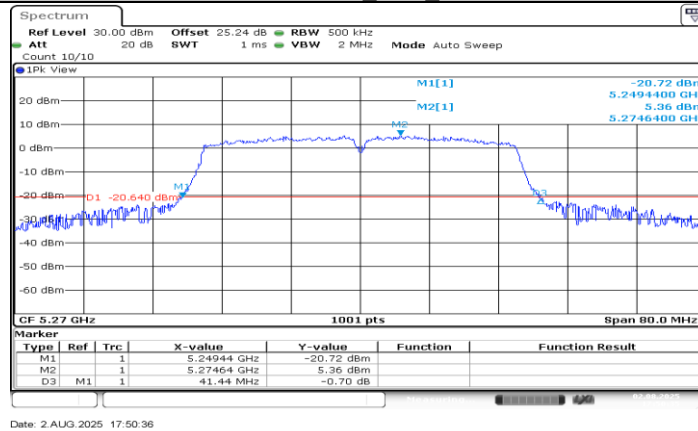
11N40MIMO Ant2 5190



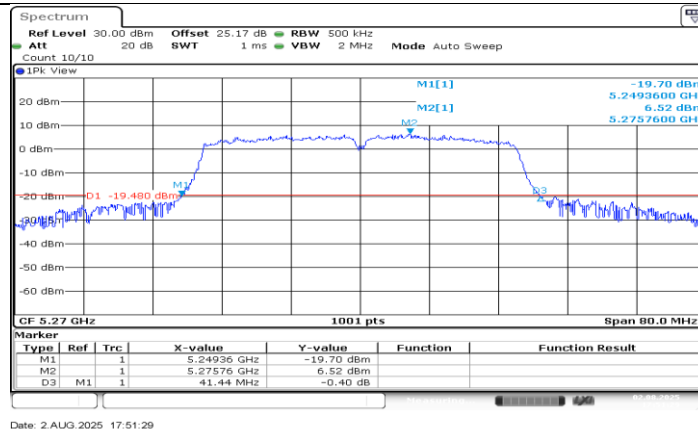
### 11N40MIMO Ant1 5230



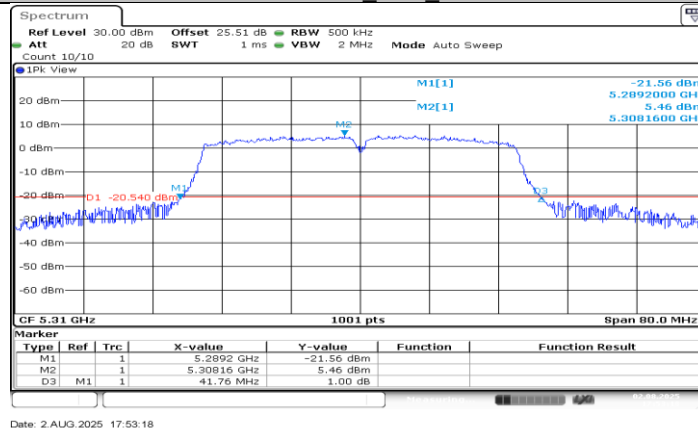
### 11N40MIMO Ant2 5230



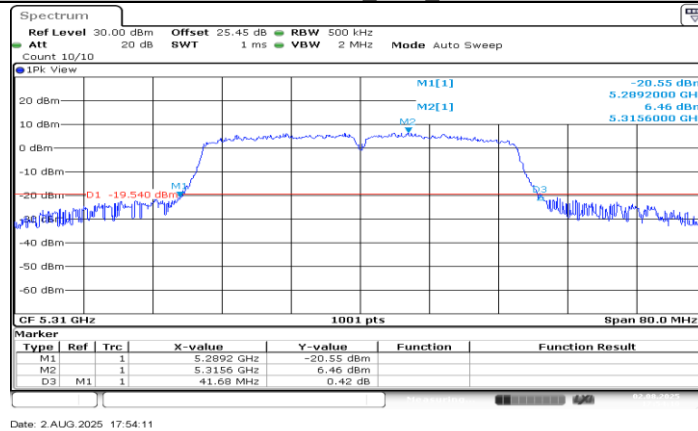
### 11N40MIMO Ant1 5270



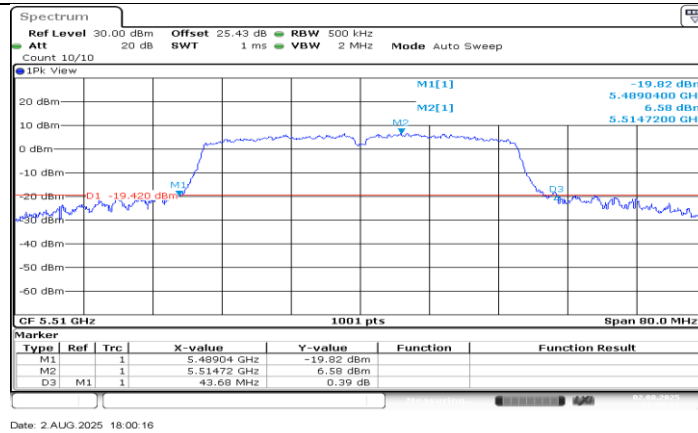
11N40MIMO Ant2 5270



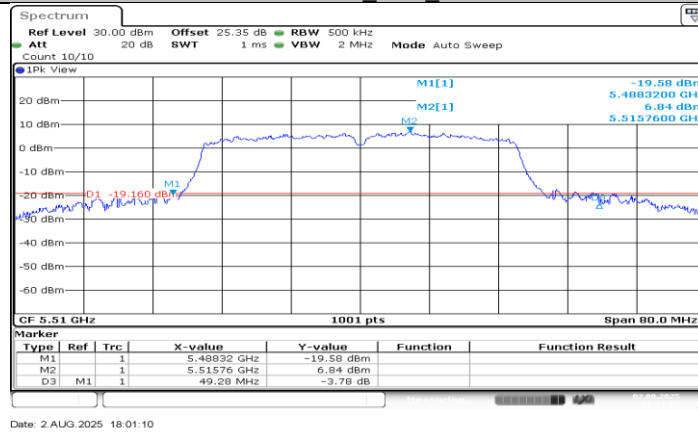
11N40MIMO Ant1 5310



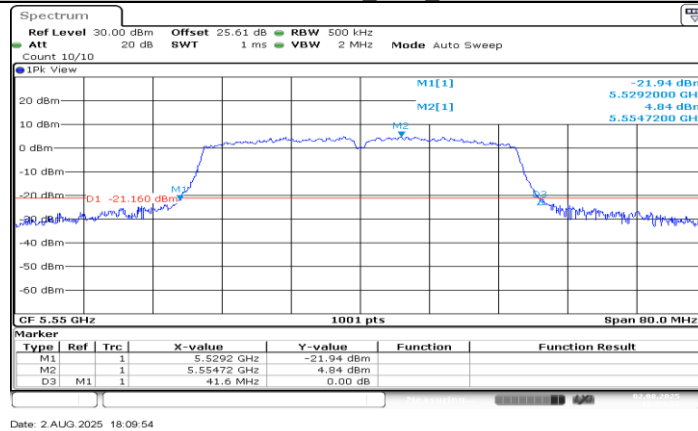
11N40MIMO Ant2 5310



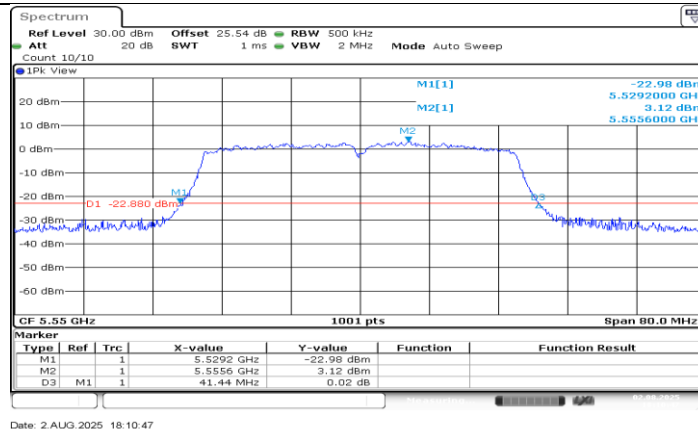
11N40MIMO Ant1 5510



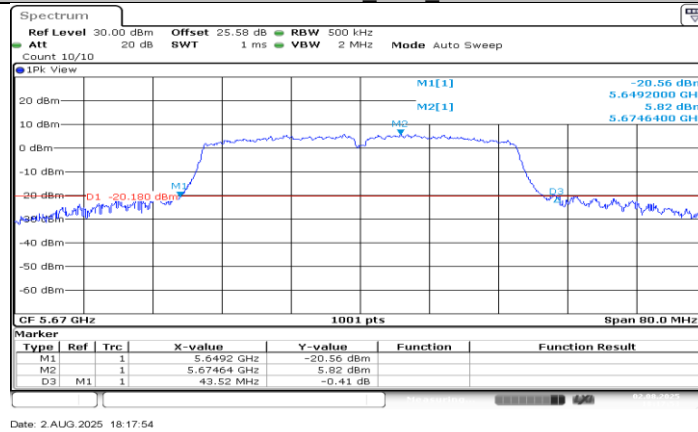
11N40MIMO Ant2 5510



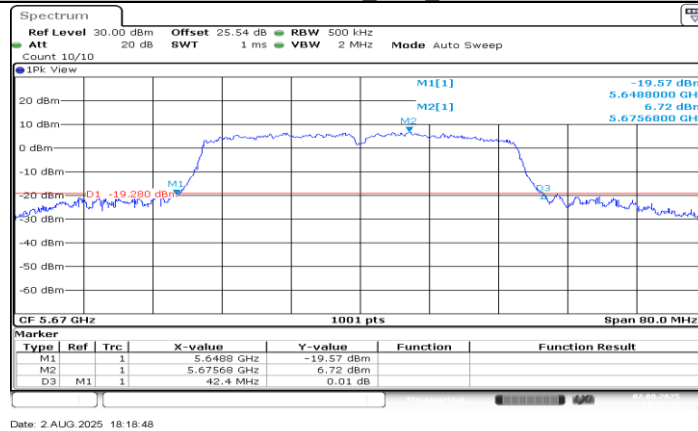
11N40MIMO Ant1 5550



11N40MIMO Ant2 5550

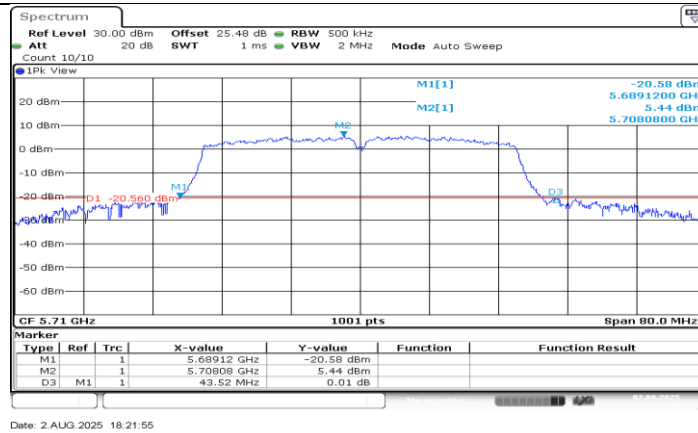


11N40MIMO Ant1 5670

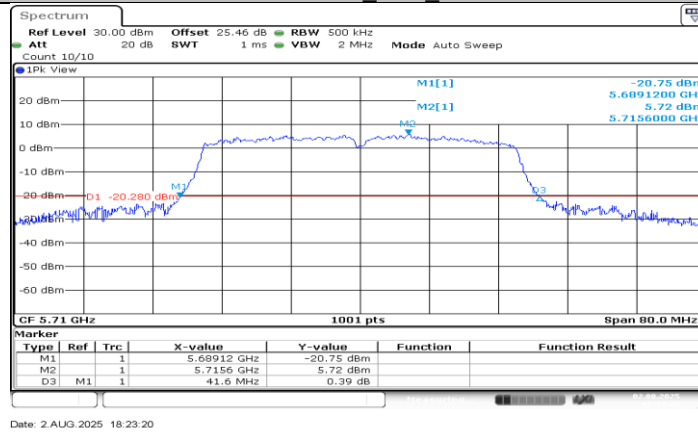


11N40MIMO Ant2 5670

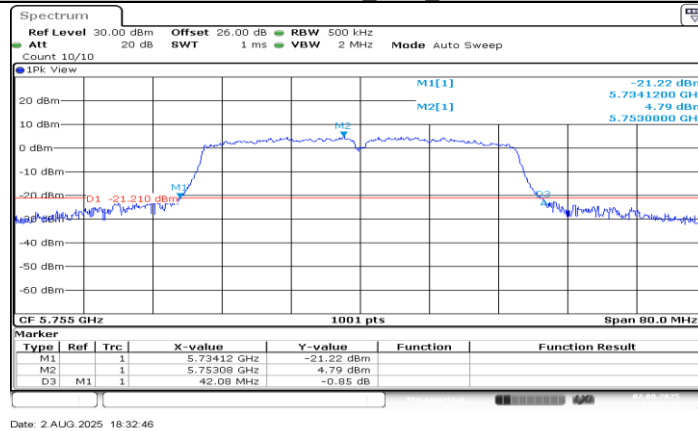




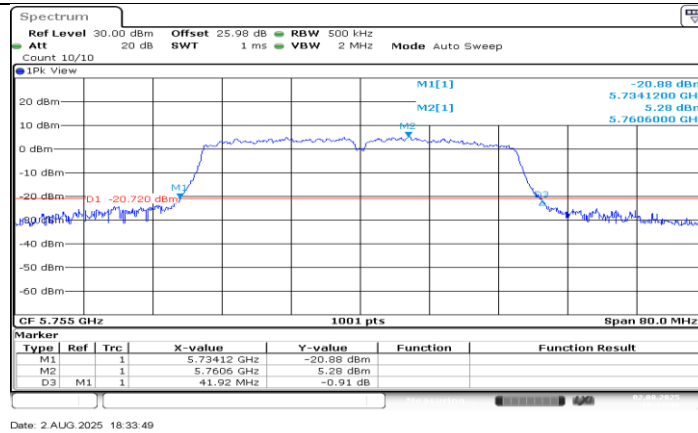
11N40MIMO Ant1 5710



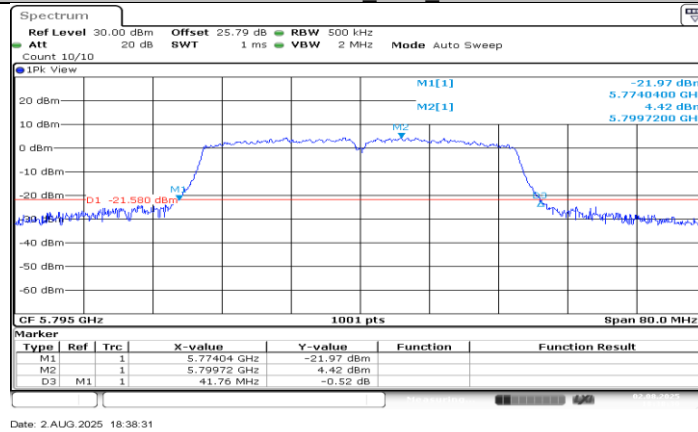
11N40MIMO Ant2 5710



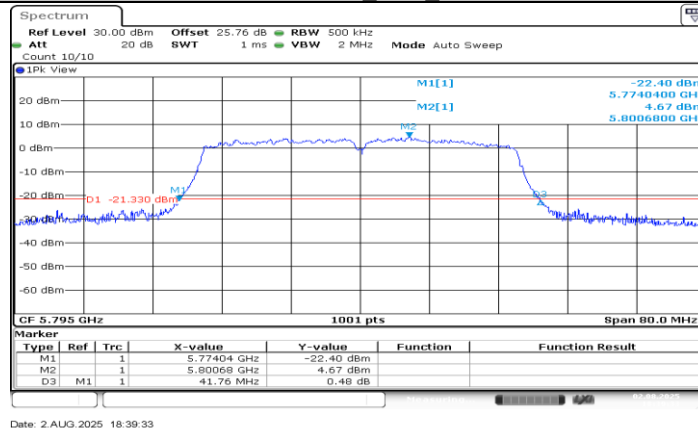
11N40MIMO Ant1 5755



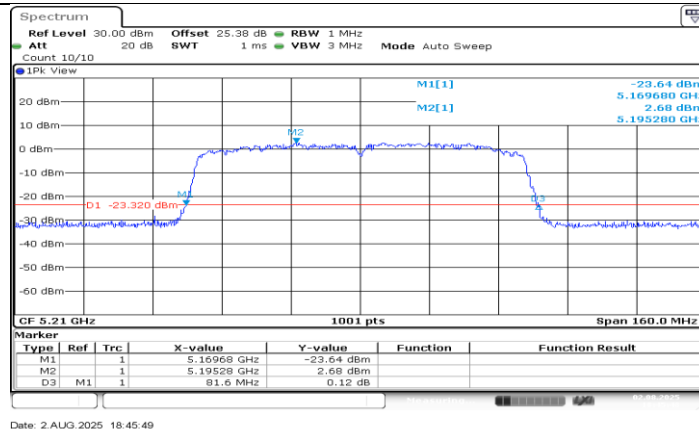
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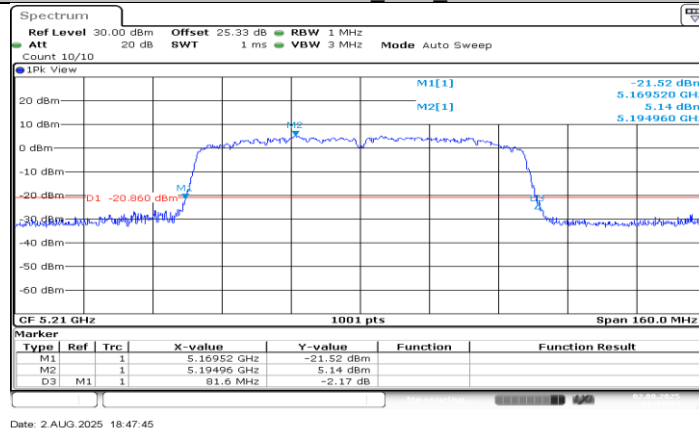
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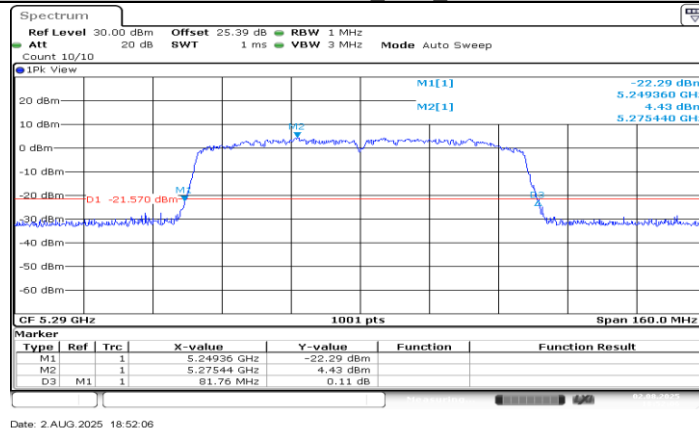
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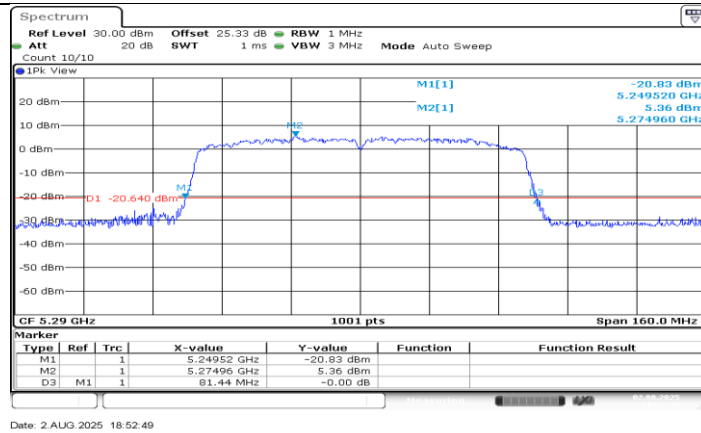
11AC80MIMO\_Ant1\_5210



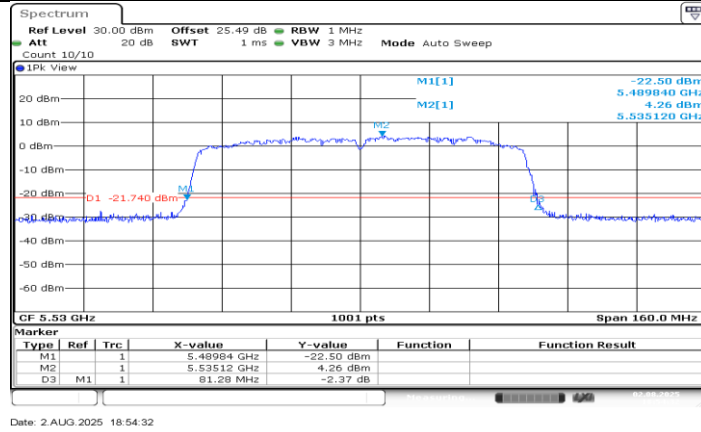
11AC80MIMO\_Ant2\_5210



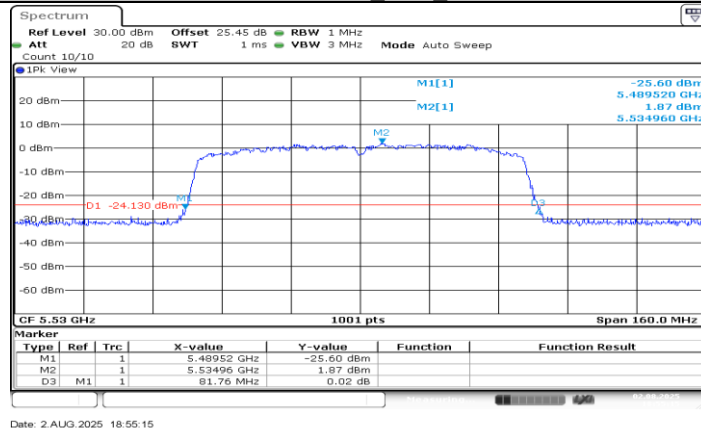
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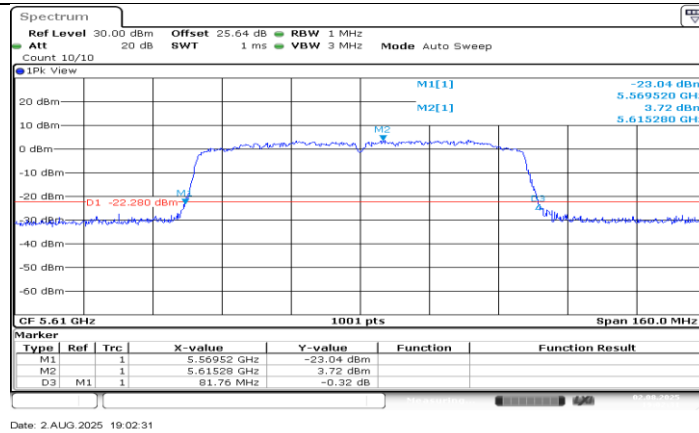
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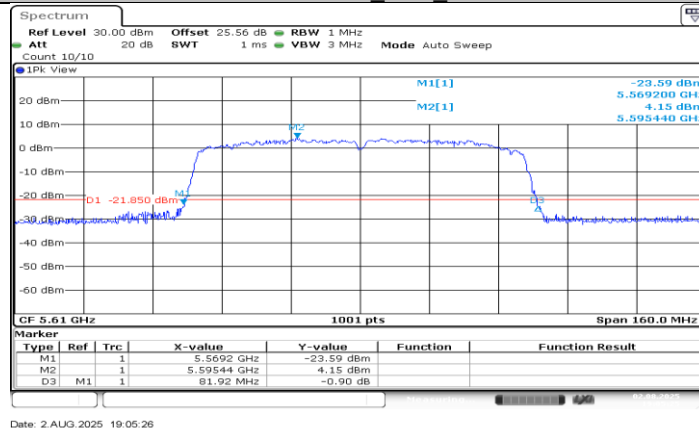
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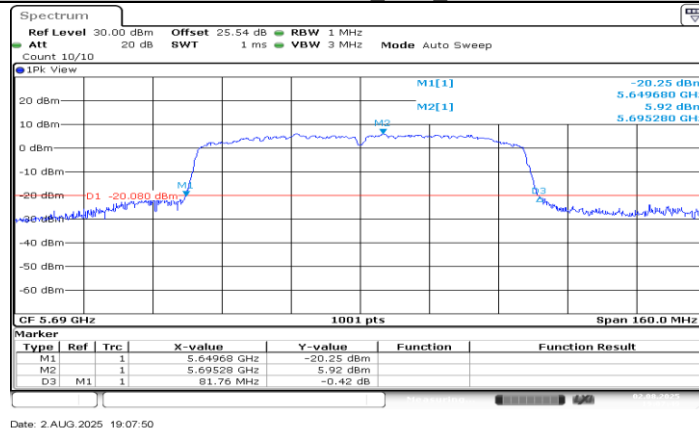
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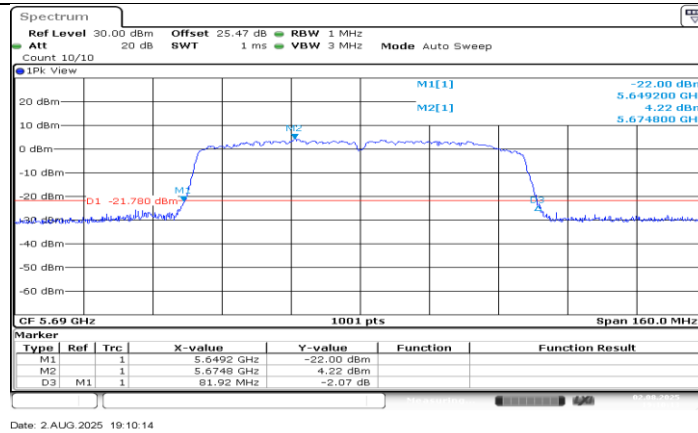
11AC80MIMO\_Ant1\_5610



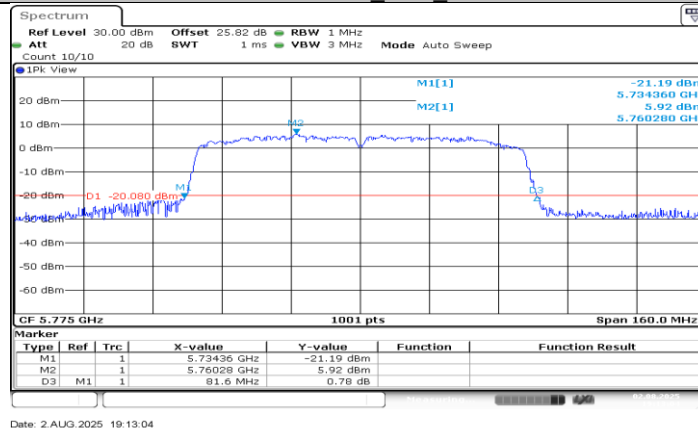
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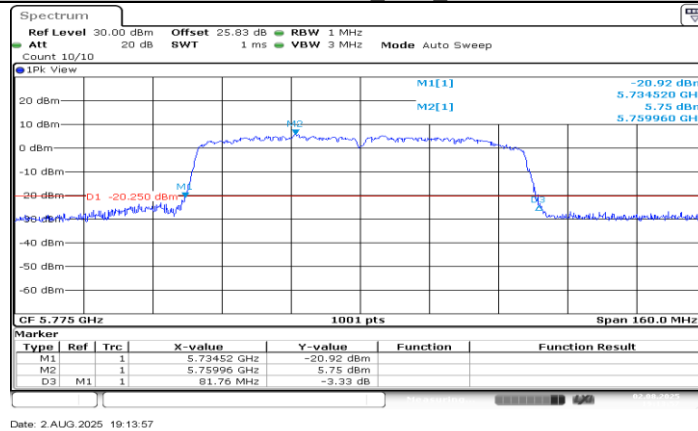
11AC80MIMO\_Ant1\_5690



11AC80MIMO\_Ant2\_5690



11AC80MIMO\_Ant1\_5775



11AC80MIMO\_Ant2\_5775