

11BE20-CDD\_Ant2\_5240



11BE20-CDD\_Ant3\_5240



11BE20-CDD\_Ant4\_5240



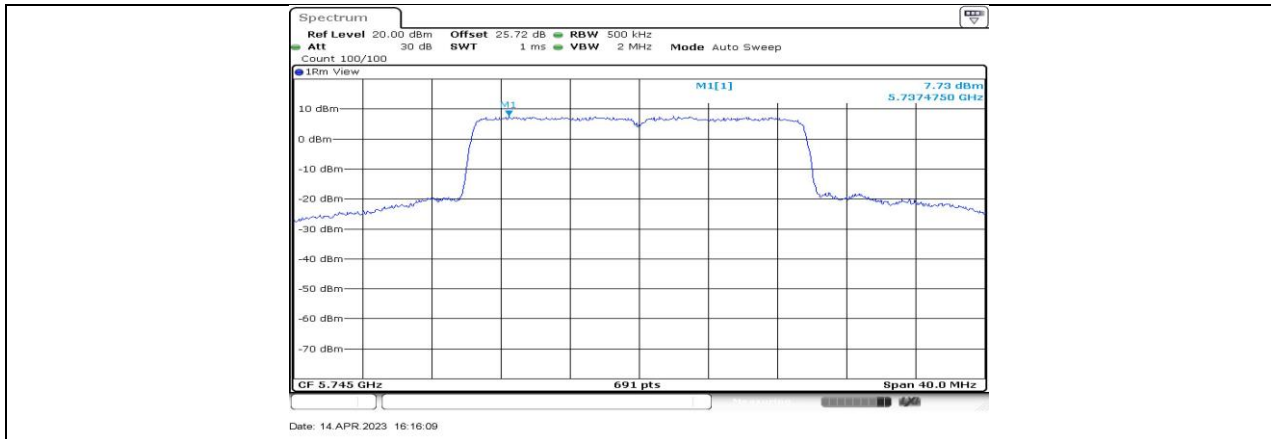
11BE20-CDD\_Ant1\_5745



11BE20-CDD\_Ant2\_5745



11BE20-CDD\_Ant3\_5745



11BE20-CDD\_Ant4\_5745



11BE20-CDD\_Ant1\_5785



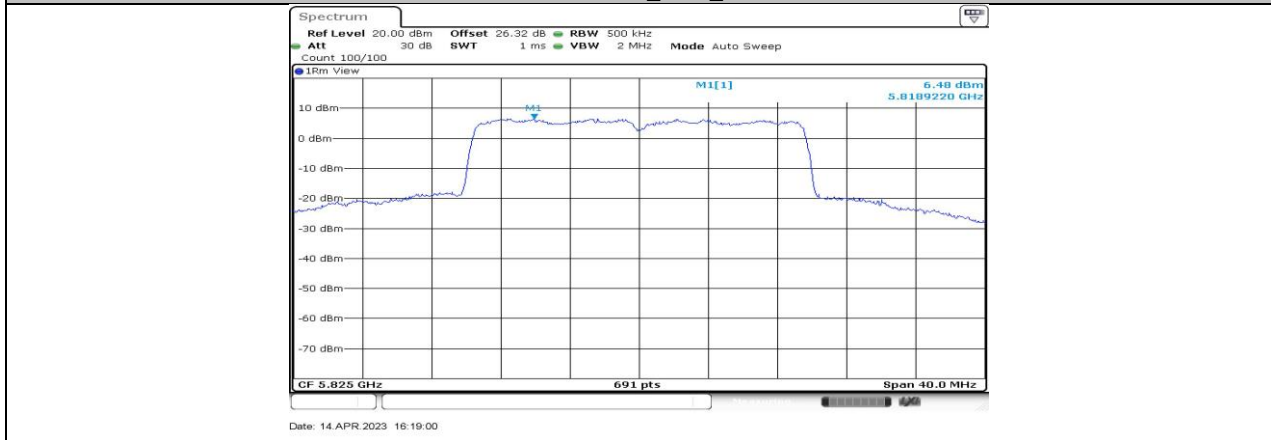
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11BE20-CDD\_Ant3\_5785



11BE20-CDD\_Ant4\_5785



11BE20-CDD\_Ant1\_5825



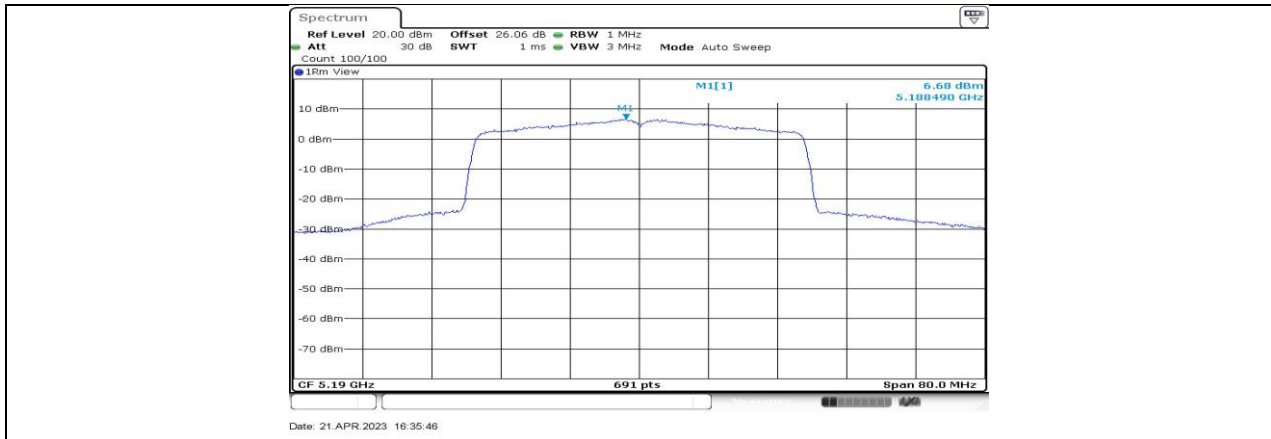
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11BE20-CDD\_Ant3\_5825



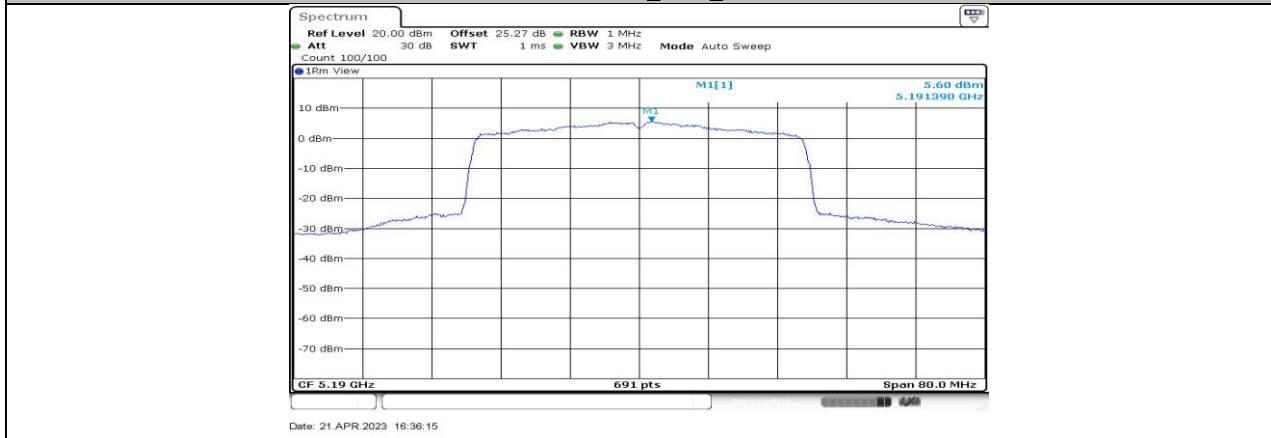
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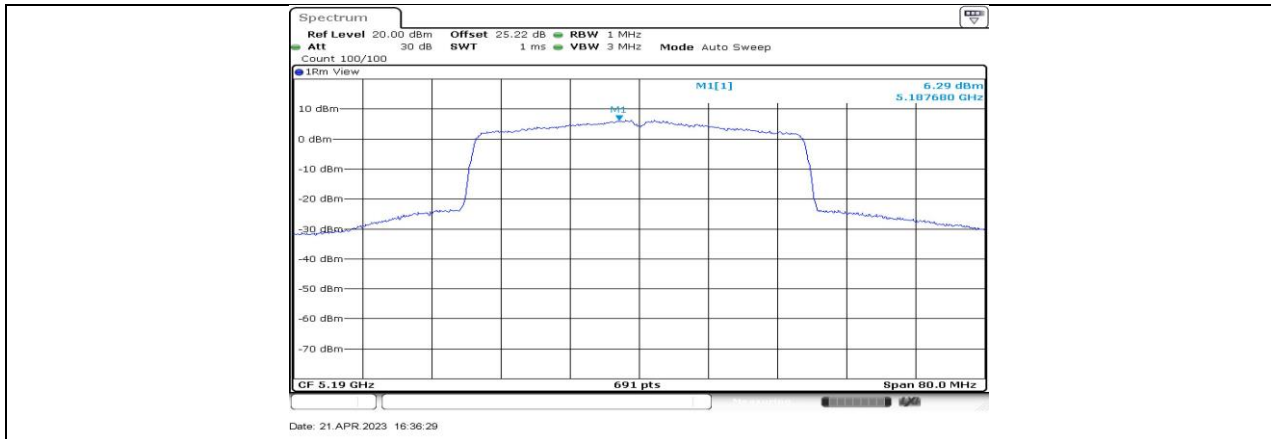
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11BE40-CDD\_Ant2\_5190



11BE40-CDD\_Ant3\_5190



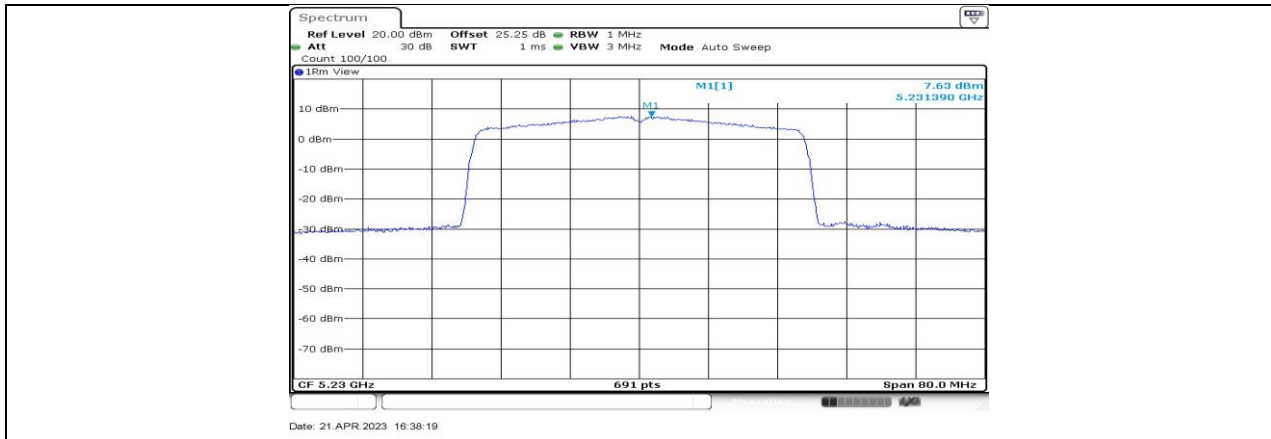
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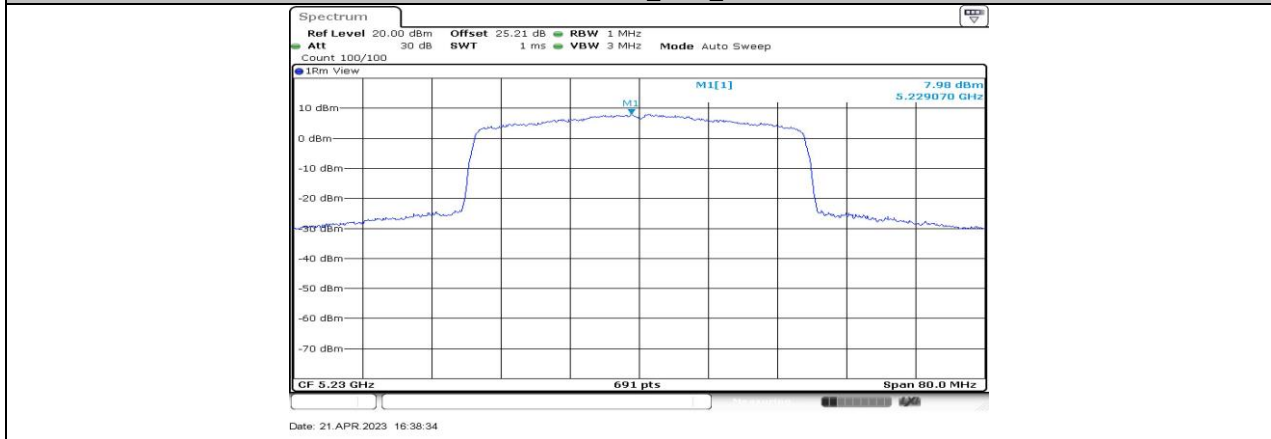
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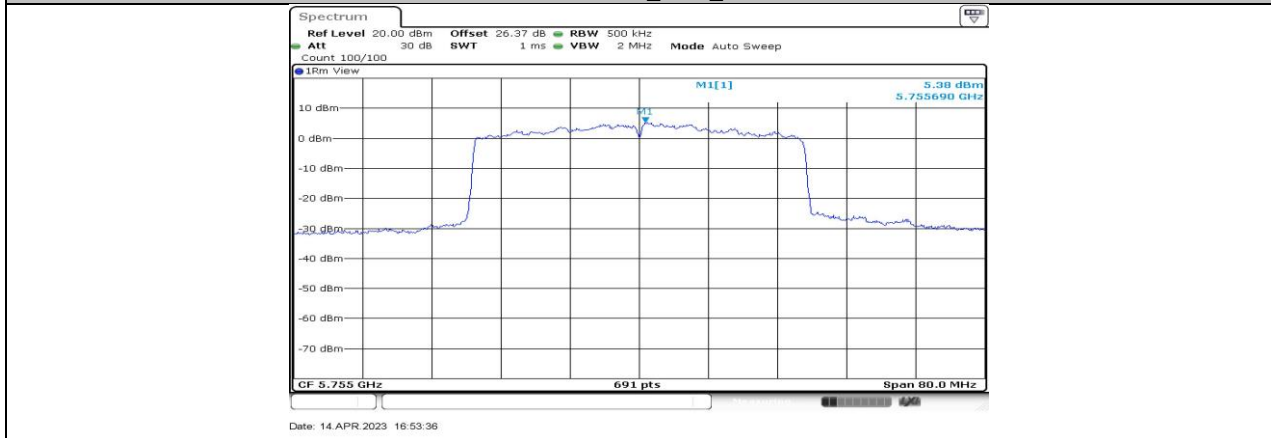
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11BE40-CDD\_Ant3\_5230



11BE40-CDD\_Ant4\_5230



11BE40-CDD\_Ant1\_5755





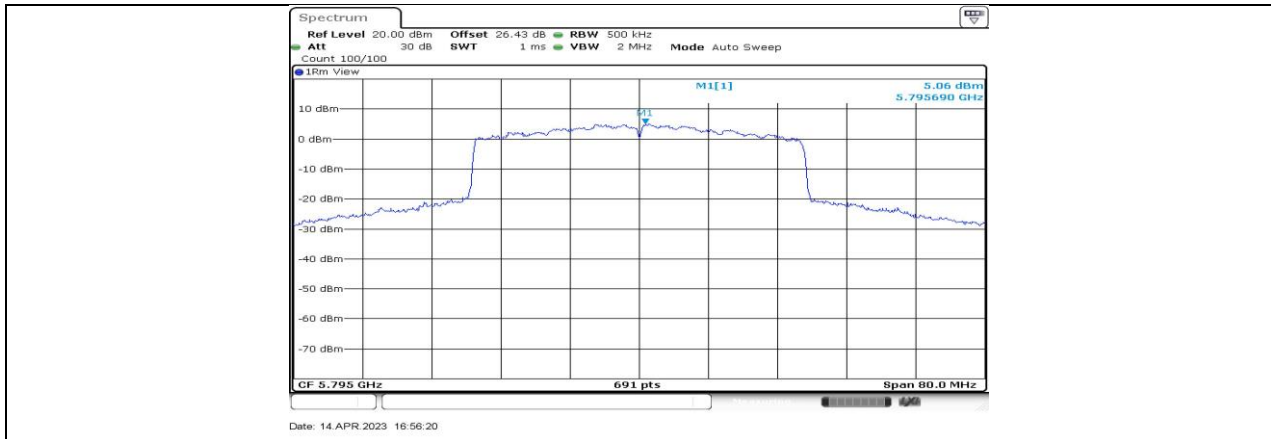
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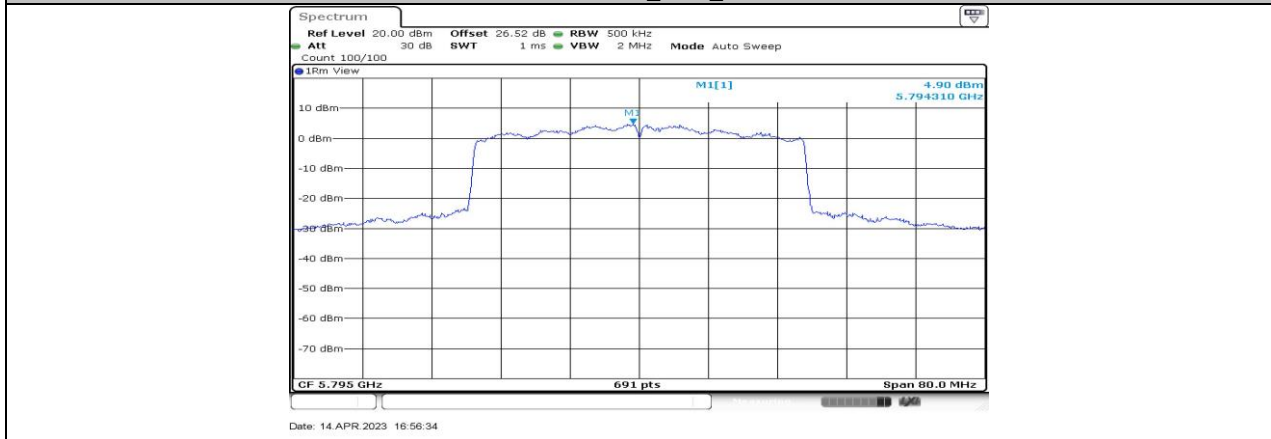
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11BE40-CDD\_Ant4\_5755



11BE40-CDD\_Ant1\_5795



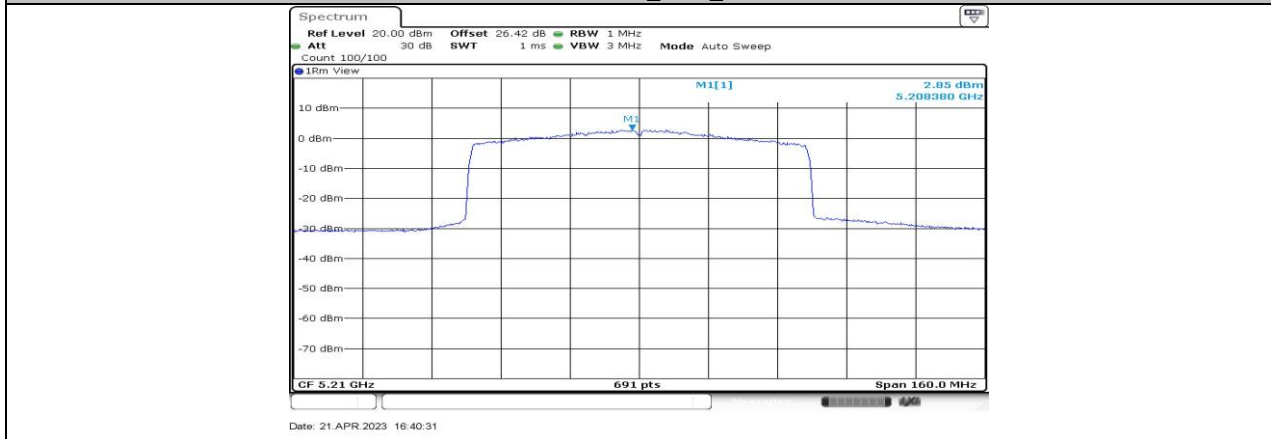
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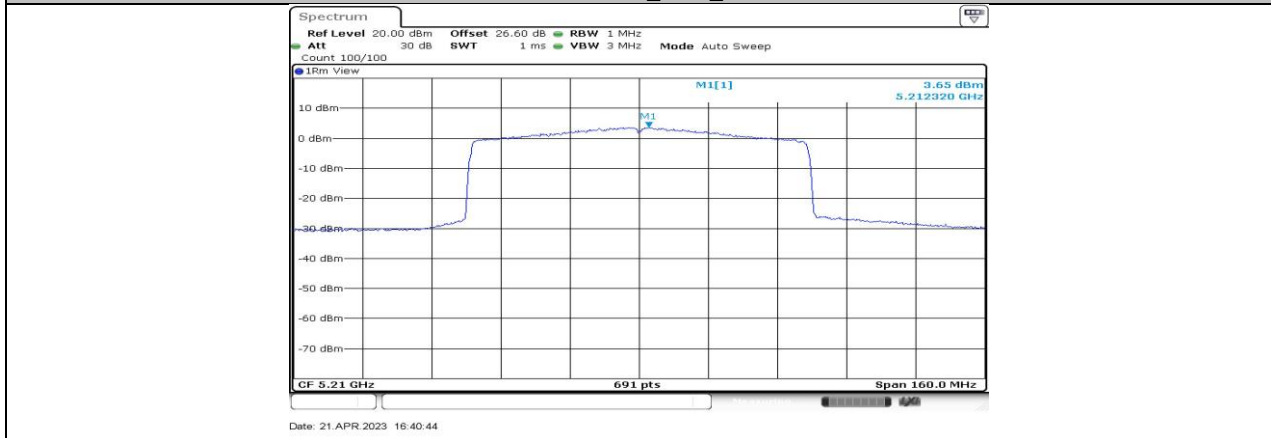
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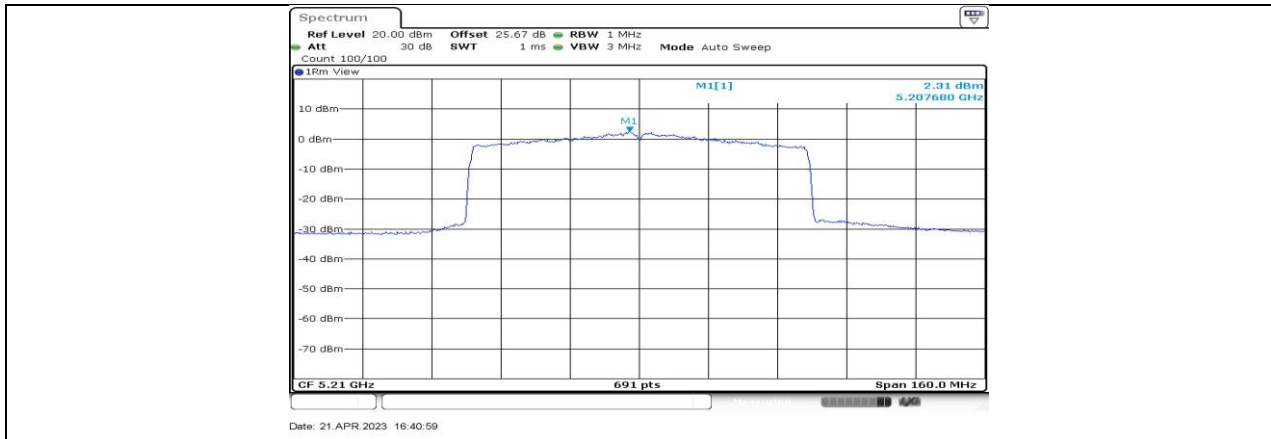
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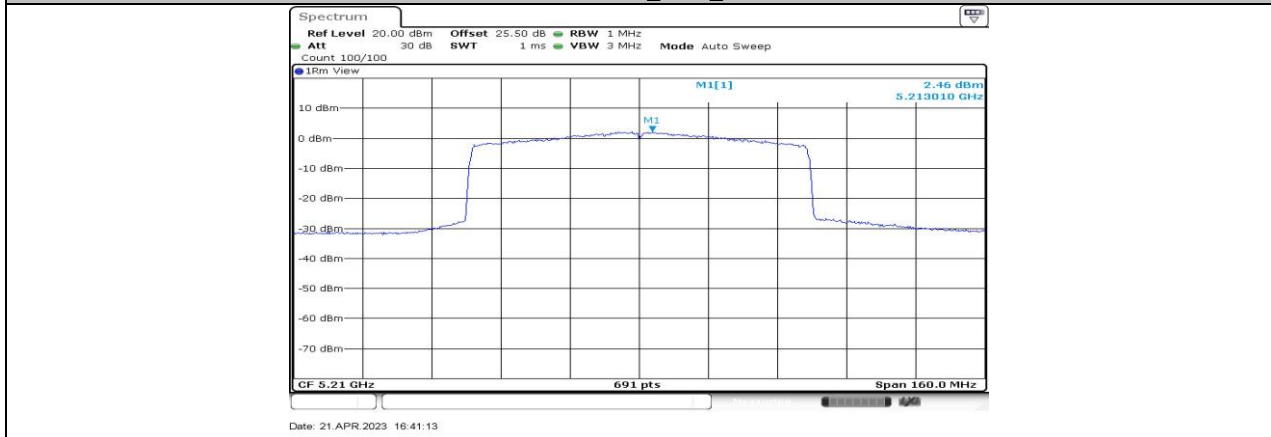
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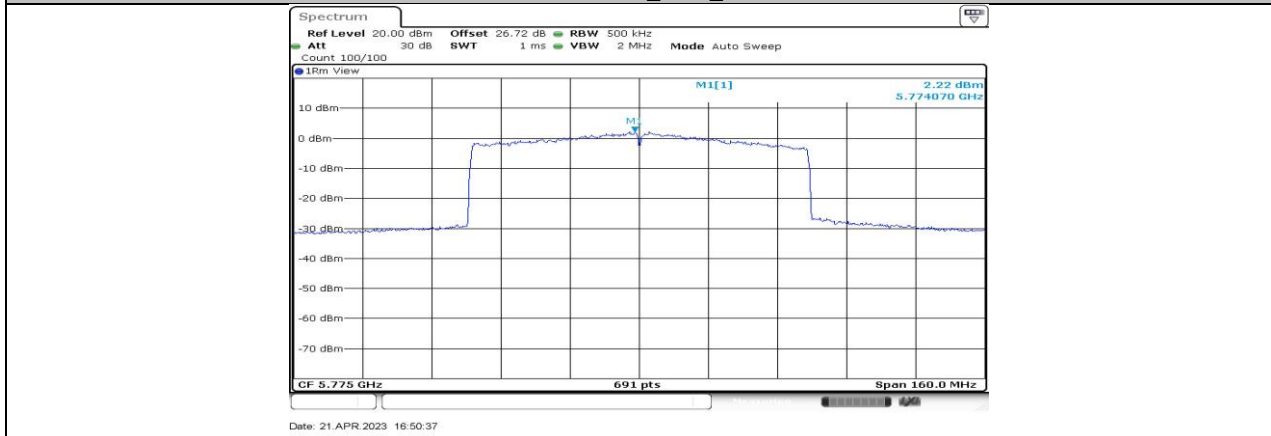
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11BE80-CDD\_Ant3\_5210



11BE80-CDD\_Ant4\_5210



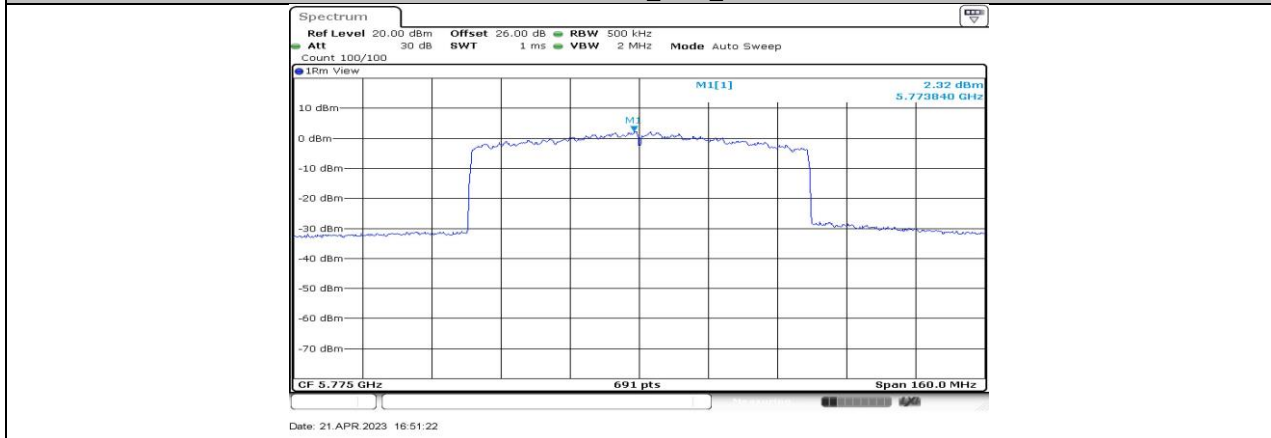
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11BE80-CDD\_Ant2\_5775



11BE80-CDD\_Ant3\_5775



11BE80-CDD\_Ant4\_5775

## 11.6. APPENDIX F: FREQUENCY STABILITY

### 11.6.1. Test Result

| Frequency Error vs. Voltage |       |                  |                 |                  |                 |                  |                 |                  |                 |
|-----------------------------|-------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11a:5200MHz             |       |                  |                 |                  |                 |                  |                 |                  |                 |
| Temp.                       | Volt. | 0 Minute         |                 | 2 Minute         |                 | 5 Minute         |                 | 10 Minute        |                 |
|                             |       | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| TN                          | VL    | 5199.9801        | -3.83           | 5200.0065        | 1.26            | 5199.9910        | -1.73           | 5199.9846        | -2.97           |
| TN                          | VN    | 5200.0189        | 3.64            | 5200.0246        | 4.72            | 5199.9825        | -3.37           | 5200.0053        | 1.03            |
| TN                          | VH    | 5200.0198        | 3.80            | 5200.0195        | 3.75            | 5199.9924        | -1.45           | 5199.9814        | -3.58           |

| Frequency Error vs. Temperature |       |                  |                 |                  |                 |                  |                 |                  |                 |
|---------------------------------|-------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11a:5200MHz                 |       |                  |                 |                  |                 |                  |                 |                  |                 |
| Temp.                           | Volt. | 0 Minute         |                 | 2 Minute         |                 | 5 Minute         |                 | 10 Minute        |                 |
|                                 |       | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| 40                              | VN    | 5199.9886        | -2.19           | 5199.9969        | -0.59           | 5200.0169        | 3.26            | 5199.9852        | -2.85           |
| 30                              | VN    | 5200.0126        | 2.42            | 5199.9953        | -0.91           | 5199.9894        | -2.04           | 5200.0205        | 3.95            |
| 20                              | VN    | 5200.0060        | 1.16            | 5199.9802        | -3.81           | 5199.9970        | -0.58           | 5199.9843        | -3.01           |
| 10                              | VN    | 5200.0149        | 2.86            | 5200.0161        | 3.09            | 5200.0108        | 2.07            | 5199.9786        | -4.11           |
| 0                               | VN    | 5199.9836        | -3.15           | 5200.0028        | 0.54            | 5199.9980        | -0.38           | 5199.9993        | -0.13           |

Note:

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

## 11.7. APPENDIX G: DUTY CYCLE

### 11.7.1. Test Result

| Test Mode  | On Time (msec) | Period (msec) | Duty Cycle x (Linear) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | 1/T Minimum VBW (kHz) | Final setting For VBW (kHz) |
|------------|----------------|---------------|-----------------------|----------------|-----------------------------------|-----------------------|-----------------------------|
| 11A-CDD    | 1.38           | 1.44          | 0.9583                | 95.83          | 0.18                              | 0.72                  | 1                           |
| 11AX20-CDD | 1.01           | 1.07          | 0.9439                | 94.39          | 0.25                              | 0.99                  | 1                           |
| 11AX40-CDD | 0.54           | 0.60          | 0.9000                | 90.00          | 0.46                              | 1.85                  | 2                           |
| 11AX80-CDD | 0.29           | 0.35          | 0.8286                | 82.86          | 0.82                              | 3.45                  | 4                           |
| 11BE20-CDD | 1.03           | 1.09          | 0.9450                | 94.50          | 0.25                              | 0.97                  | 1                           |
| 11BE40-CDD | 0.55           | 0.61          | 0.9016                | 90.16          | 0.45                              | 1.82                  | 2                           |
| 11BE80-CDD | 0.30           | 0.36          | 0.8333                | 83.33          | 0.79                              | 3.33                  | 4                           |

Note:

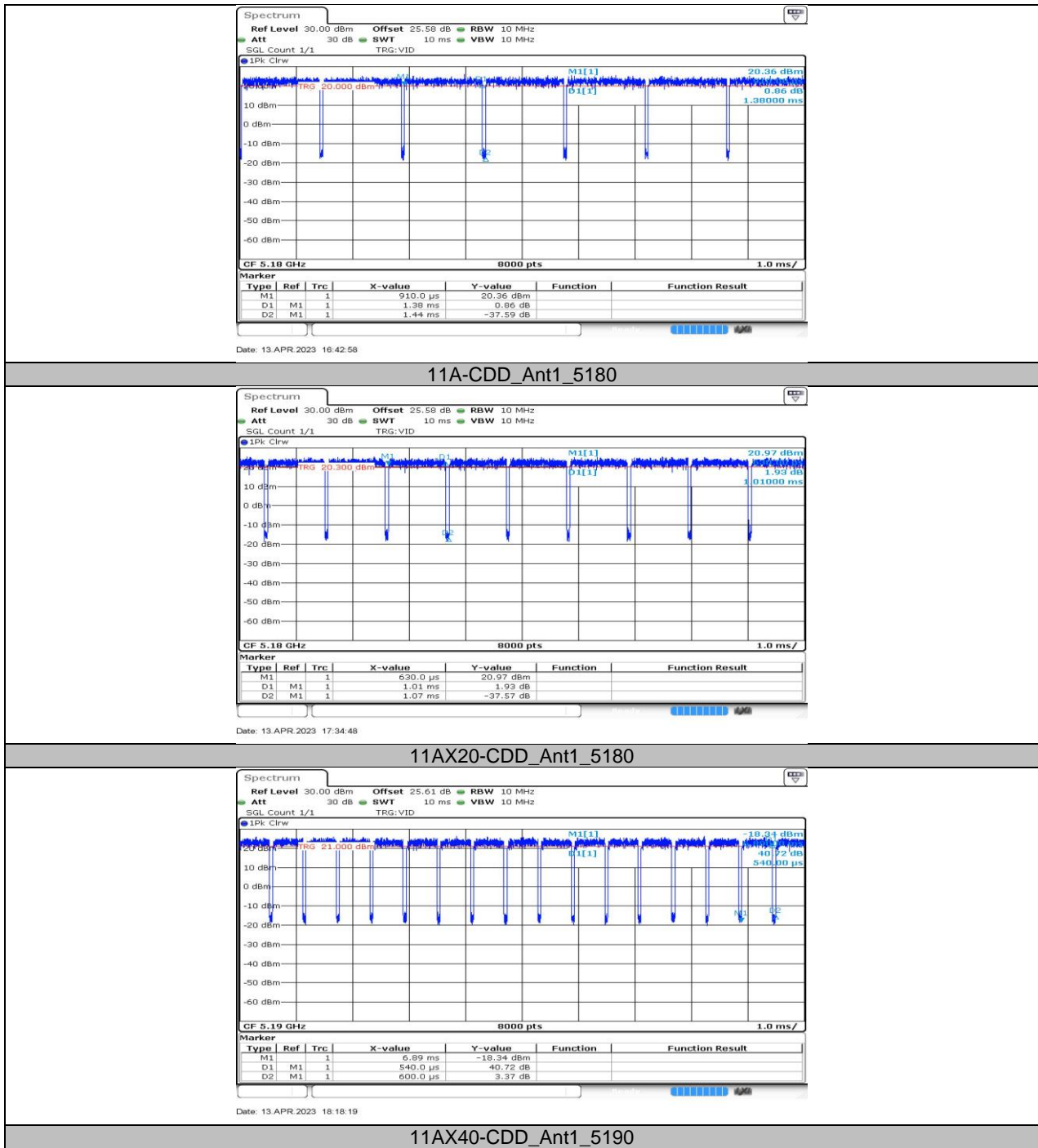
Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

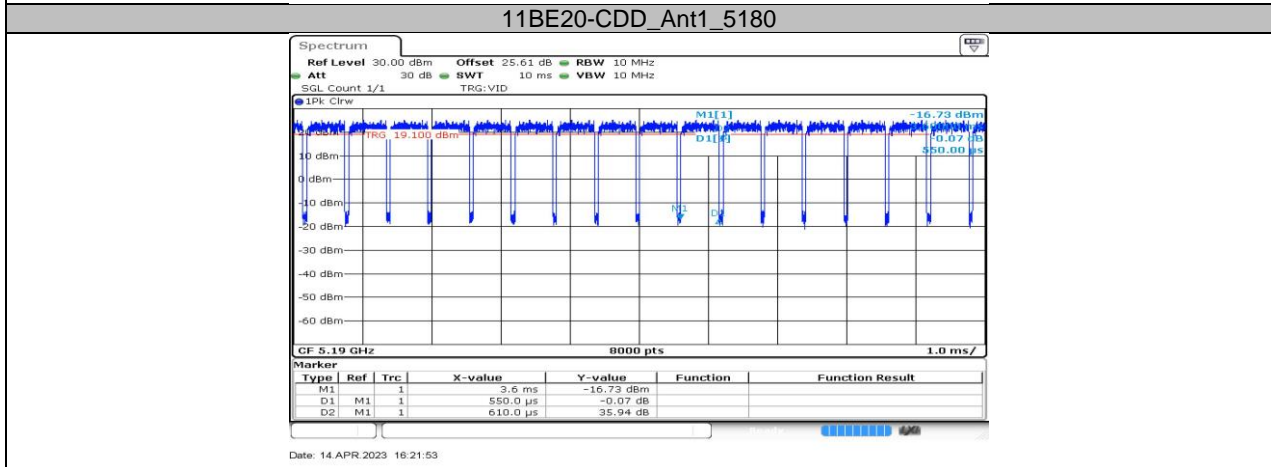
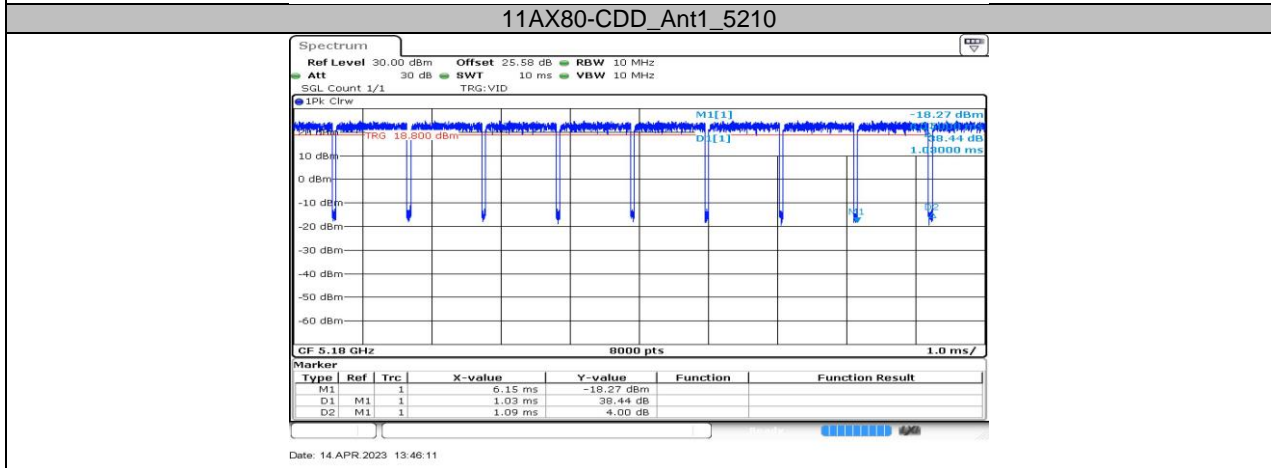
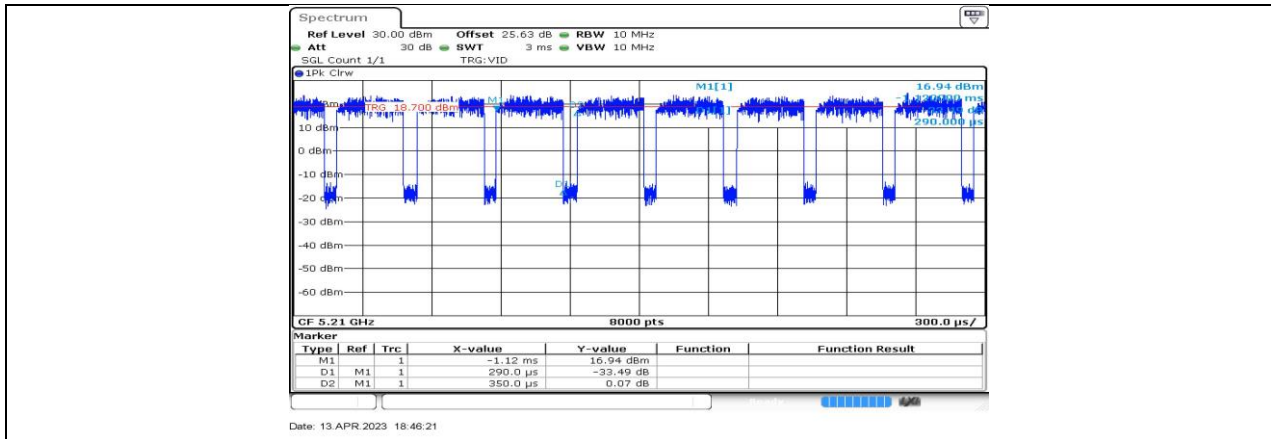
Where: T is On Time

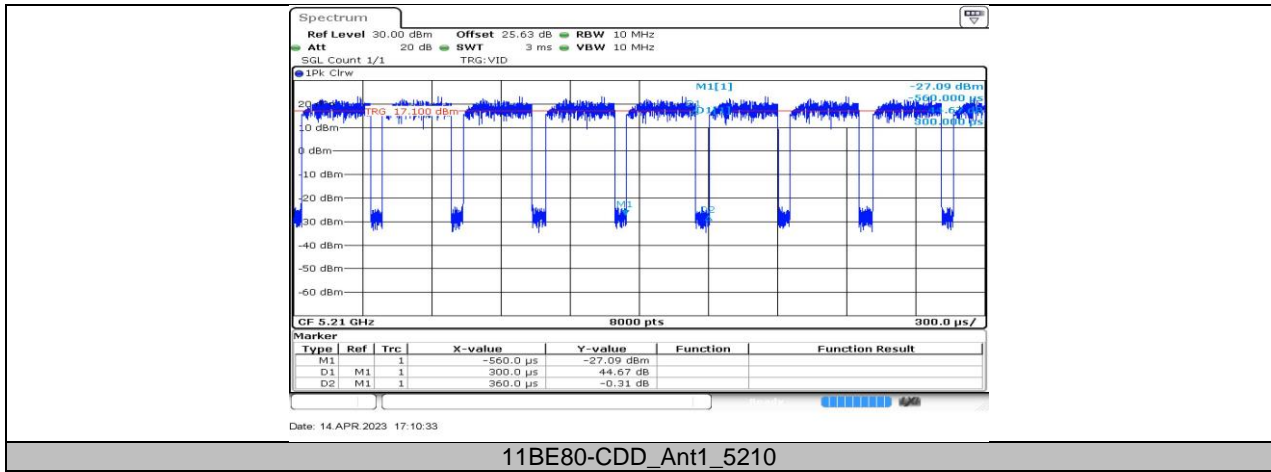
If that calculated VBW is not available on the analyzer then the next higher value should be used.

### 11.7.2. Test Graphs









END OF REPORT