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VERITAS

Test Report No.: W7L-P22050002RF03



11N20SISO\_Ant1\_5320



11N20SISO\_Ant1\_5500



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11N20SISO\_Ant1\_5580



11N20SISO\_Ant1\_5700

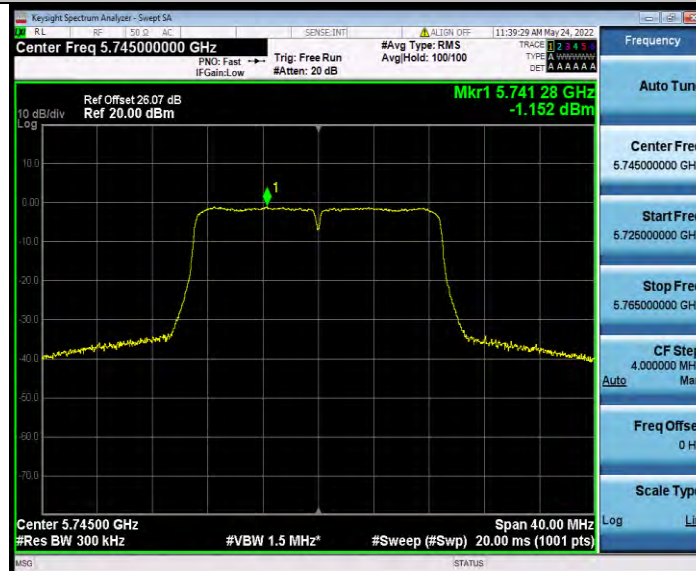


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11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



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11N40SISO\_Ant1\_5230



11N40SISO\_Ant1\_5270



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11N40SISO\_Ant1\_5310

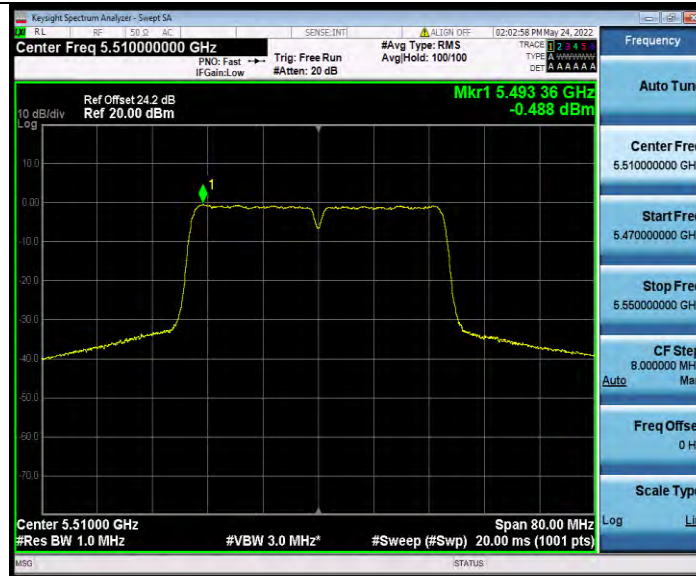


11N40SISO\_Ant1\_5510



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11N40SISO\_Ant1\_5550

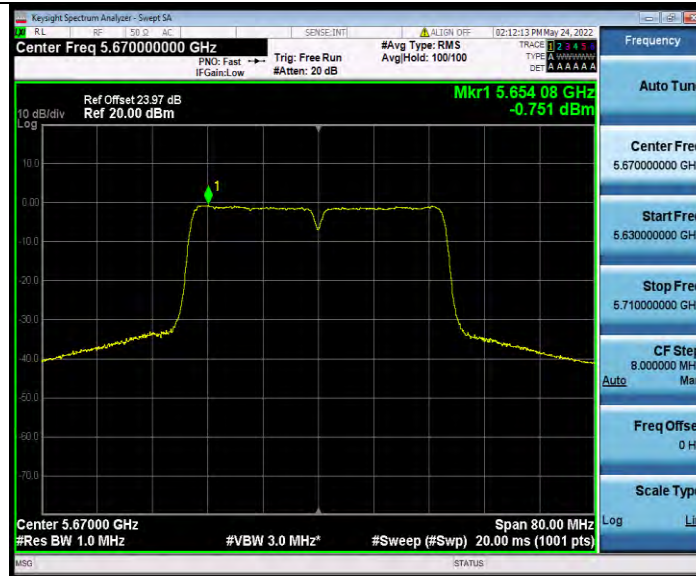


11N40SISO\_Ant1\_5670



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11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795



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11AC20SISO\_Ant1\_5180

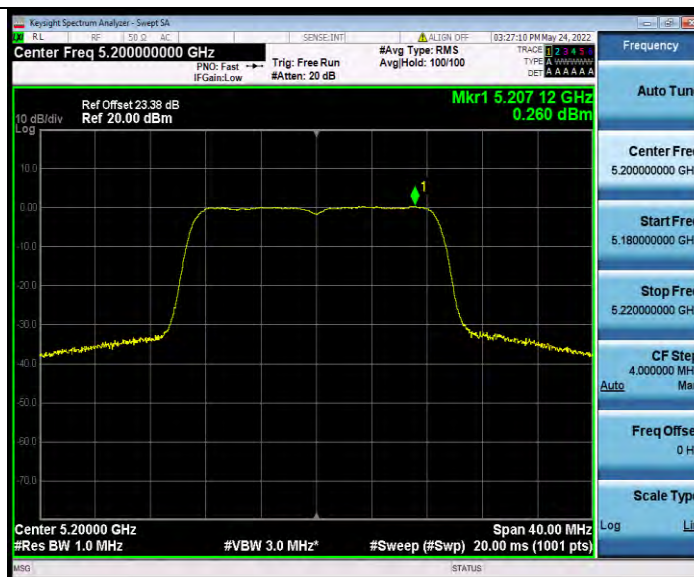


11AC20SISO\_Ant1\_5200



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11AC20SISO\_Ant1\_5240

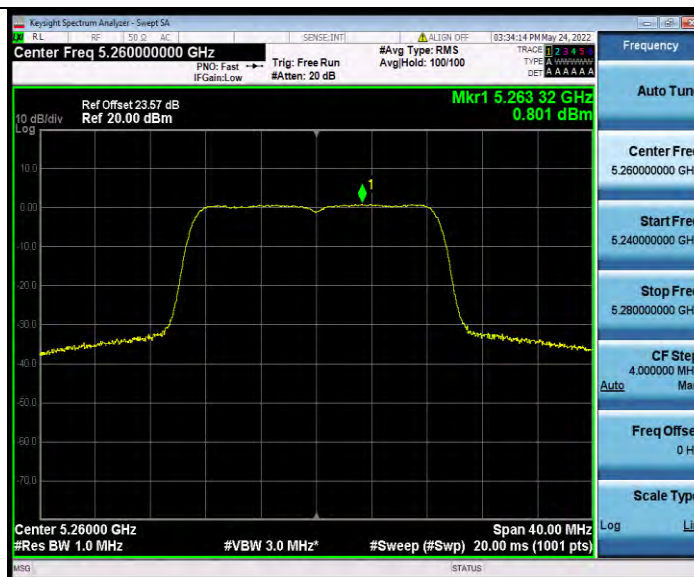


11AC20SISO\_Ant1\_5260



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11AC20SISO\_Ant1\_5300

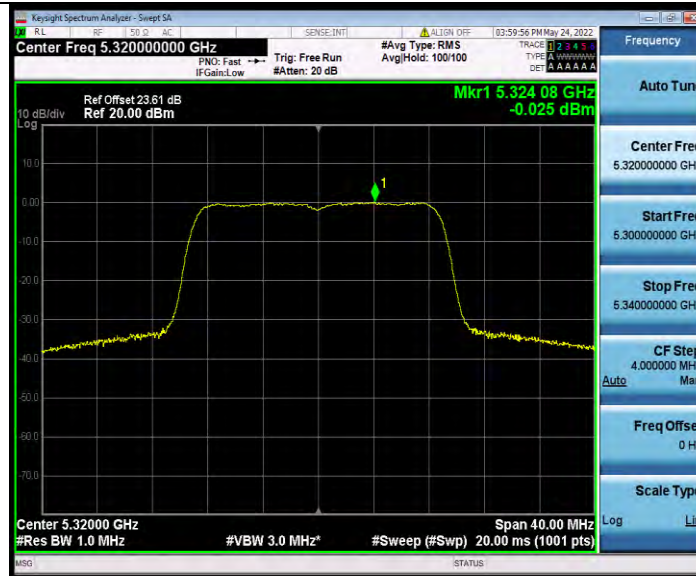


11AC20SISO\_Ant1\_5320



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Test Report No.: W7L-P22050002RF03



11AC20SISO\_Ant1\_5500



11AC20SISO\_Ant1\_5580



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Test Report No.: W7L-P22050002RF03



11AC20SISO\_Ant1\_5700



11AC20SISO\_Ant1\_5745



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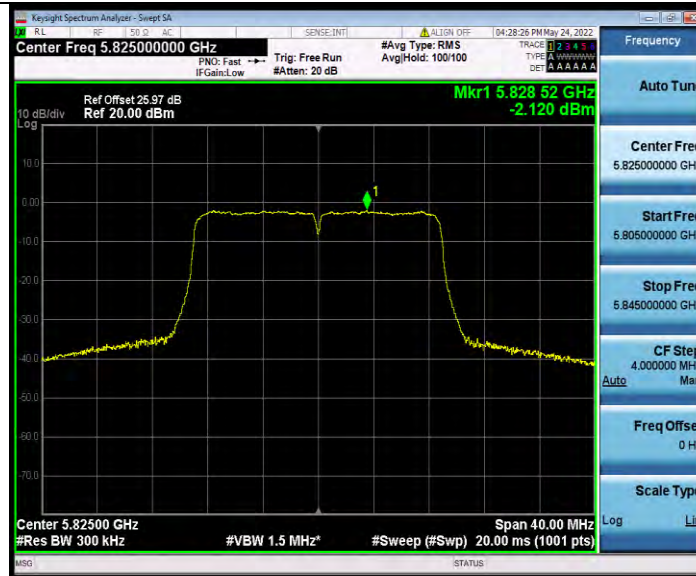
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11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



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11AC40SISO\_Ant1\_5270



11AC40SISO\_Ant1\_5310



**Test Report No.: W7L-P22050002RF03**



11AC40SISO\_Ant1\_5510

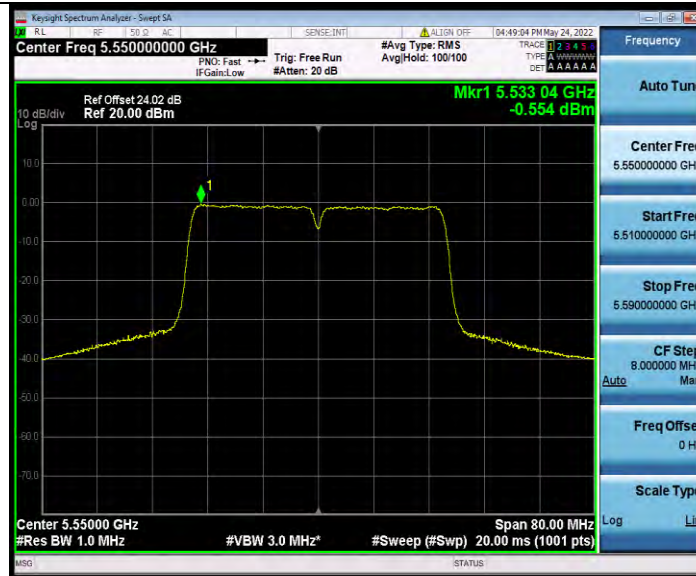


11AC40SISO\_Ant1\_5550



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11AC40SISO\_Ant1\_5670



11AC40SISO\_Ant1\_5755



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11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5210



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11AC80SISO\_Ant1\_5290



11AC80SISO\_Ant1\_5530



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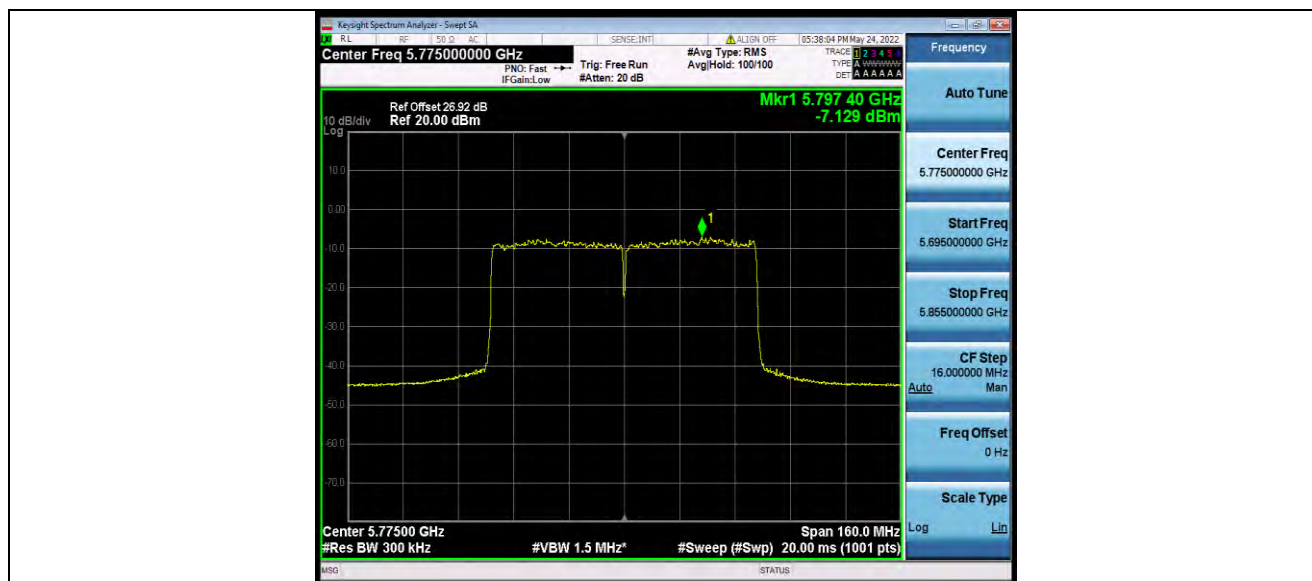
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**Test Report No.: W7L-P22050002RF03**

## 7 APPENDIX B

### ACROSS BAND

### EMISSION BANDWIDTH

### TEST RESULT

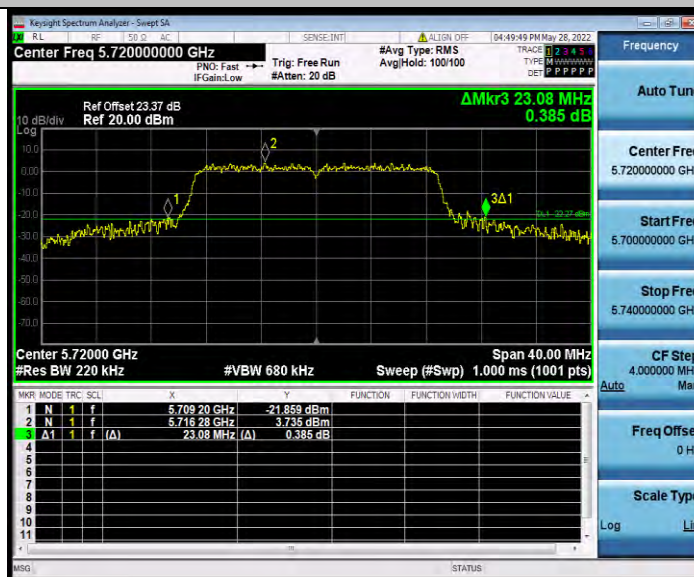
| TestMode   | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5720           | 24.600         | 5707.480 | 5732.080 | ---        | ---     |
|            |         | 5720_UNII-2C   | 17.52          | 5707.480 | 5725     | ---        | ---     |
|            |         | 5720_UNII-3    | 7.08           | 5725     | 5732.080 | ---        | ---     |
| 11N20SISO  | Ant1    | 5720           | 23.080         | 5709.200 | 5732.280 | ---        | ---     |
|            |         | 5720_UNII-2C   | 15.8           | 5709.200 | 5725     | ---        | ---     |
|            |         | 5720_UNII-3    | 7.28           | 5725     | 5732.280 | ---        | ---     |
| 11N40SISO  | Ant1    | 5710           | 39.520         | 5690.320 | 5729.840 | ---        | ---     |
|            |         | 5710_UNII-2C   | 34.68          | 5690.320 | 5725     | ---        | ---     |
|            |         | 5710_UNII-3    | 4.84           | 5725     | 5729.840 | ---        | ---     |
| 11AC20SISO | Ant1    | 5720           | 26.000         | 5706.040 | 5732.040 | ---        | ---     |
|            |         | 5720_UNII-2C   | 18.96          | 5706.040 | 5725     | ---        | ---     |
|            |         | 5720_UNII-3    | 7.04           | 5725     | 5732.040 | ---        | ---     |
| 11AC40SISO | Ant1    | 5710           | 42.240         | 5690.160 | 5732.400 | ---        | ---     |
|            |         | 5710_UNII-2C   | 34.84          | 5690.160 | 5725     | ---        | ---     |
|            |         | 5710_UNII-3    | 7.4            | 5725     | 5732.400 | ---        | ---     |
| 11AC80SISO | Ant1    | 5690           | 83.040         | 5649.520 | 5732.560 | ---        | ---     |
|            |         | 5690_UNII-2C   | 75.48          | 5649.520 | 5725     | ---        | ---     |
|            |         | 5690_UNII-3    | 7.56           | 5725     | 5732.560 | ---        | ---     |

## TEST GRAPHS

11A\_Ant1\_5720



11N20SISO\_Ant1\_5720



11N40SISO\_Ant1\_5710



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11AC20SISO\_Ant1\_5720

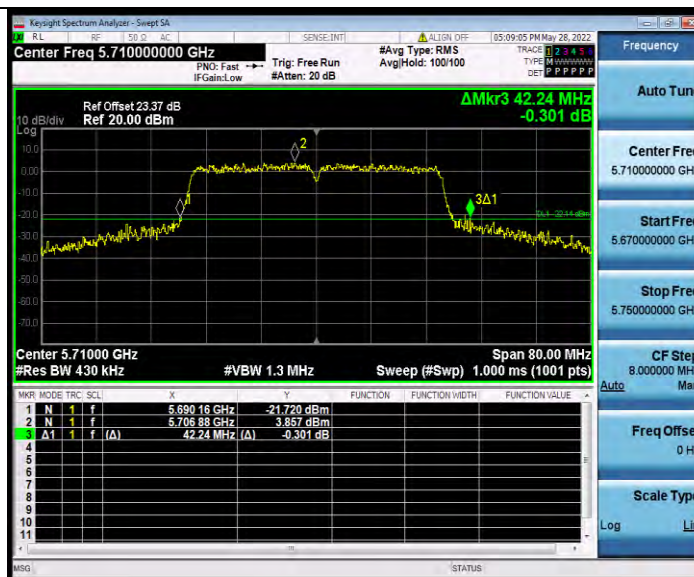


11AC40SISO\_Ant1\_5710



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11AC80SISO\_Ant1\_5690



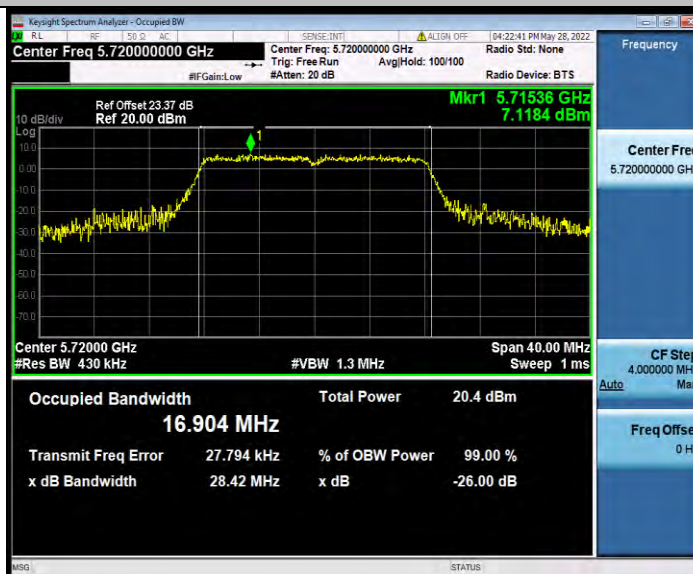
## OCCUPIED CHANNEL BANDWIDTH

### TEST RESULT

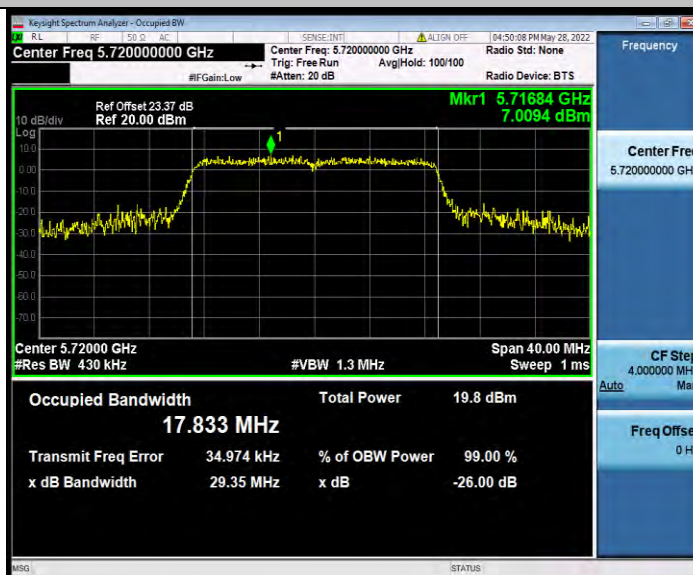
| TestMode   | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|----------|----------|------------|---------|
| 11A        | Ant1    | 5720           | 16.904    | 5711.576 | 5728.480 | ---        | ---     |
|            |         | 5720_UNII-2C   | 13.424    | 5711.576 | 5725     | ---        | PASS    |
|            |         | 5720_UNII-3    | 3.48      | 5725     | 5728.480 | ---        | PASS    |
| 11N20SISO  | Ant1    | 5720           | 17.833    | 5711.118 | 5728.951 | ---        | ---     |
|            |         | 5720_UNII-2C   | 13.882    | 5711.118 | 5725     | ---        | PASS    |
|            |         | 5720_UNII-3    | 3.951     | 5725     | 5728.951 | ---        | PASS    |
| 11N40SISO  | Ant1    | 5710           | 36.160    | 5691.939 | 5728.099 | ---        | ---     |
|            |         | 5710_UNII-2C   | 33.061    | 5691.939 | 5725     | ---        | PASS    |
|            |         | 5710_UNII-3    | 3.099     | 5725     | 5728.099 | ---        | PASS    |
| 11AC20SISO | Ant1    | 5720           | 17.809    | 5711.101 | 5728.910 | ---        | ---     |
|            |         | 5720_UNII-2C   | 13.899    | 5711.101 | 5725     | ---        | PASS    |
|            |         | 5720_UNII-3    | 3.91      | 5725     | 5728.910 | ---        | PASS    |
| 11AC40SISO | Ant1    | 5710           | 36.160    | 5691.937 | 5728.097 | ---        | ---     |
|            |         | 5710_UNII-2C   | 33.063    | 5691.937 | 5725     | ---        | PASS    |
|            |         | 5710_UNII-3    | 3.097     | 5725     | 5728.097 | ---        | PASS    |
| 11AC80SISO | Ant1    | 5690           | 75.916    | 5652.079 | 5727.995 | ---        | ---     |
|            |         | 5690_UNII-2C   | 72.921    | 5652.079 | 5725     | ---        | PASS    |
|            |         | 5690_UNII-3    | 2.995     | 5725     | 5727.995 | ---        | PASS    |

## TEST GRAPHS

11A\_Ant1\_5720



11N20SISO\_Ant1\_5720

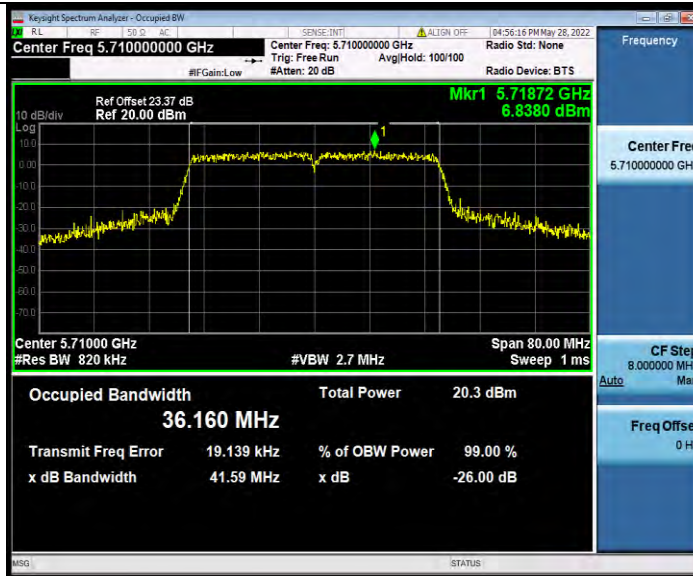


11N40SISO\_Ant1\_5710

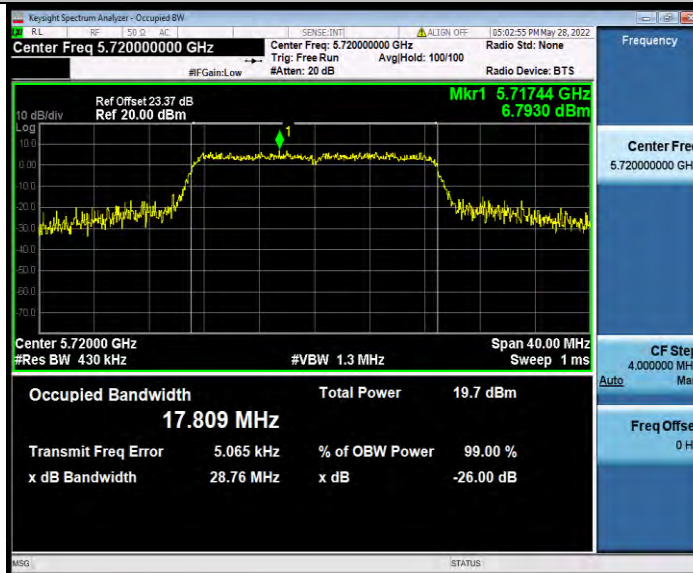


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11AC20SISO\_Ant1\_5720

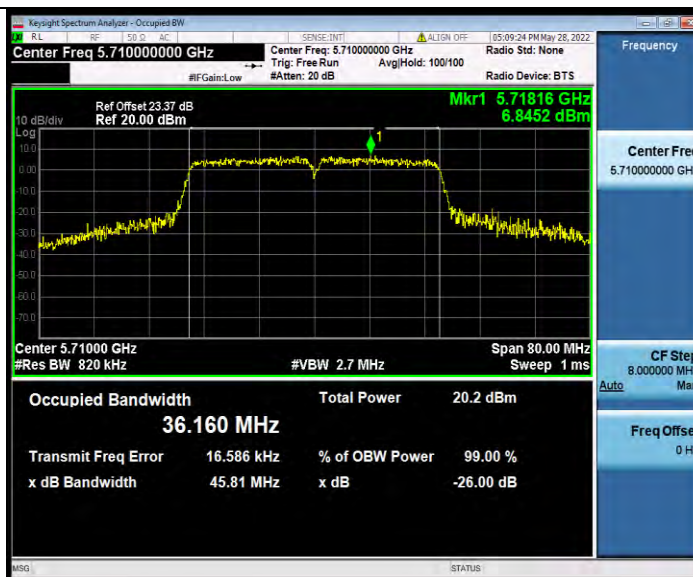


11AC40SISO\_Ant1\_5710

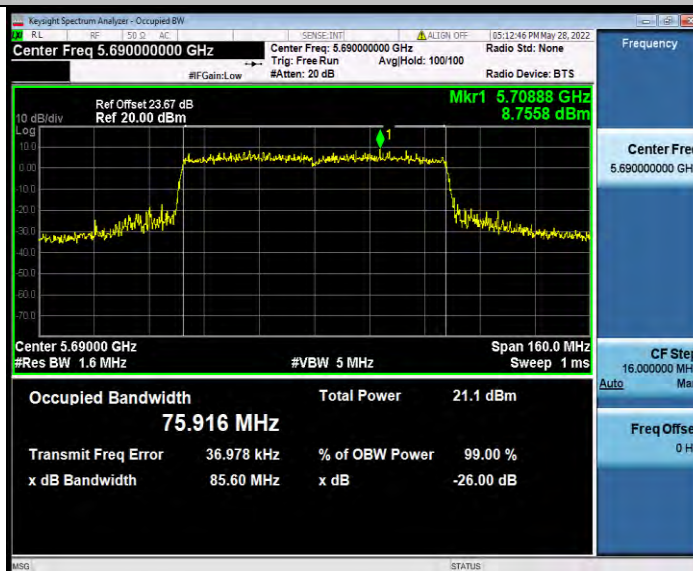


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Test Report No.: W7L-P22050002RF03



11AC80SISO\_Ant1\_5690



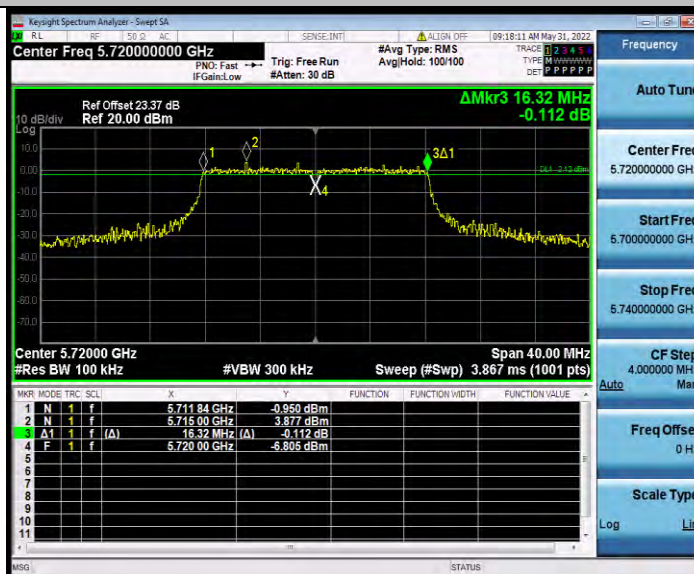
## MIN EMISSION BANDWIDTH

### TEST RESULT B4

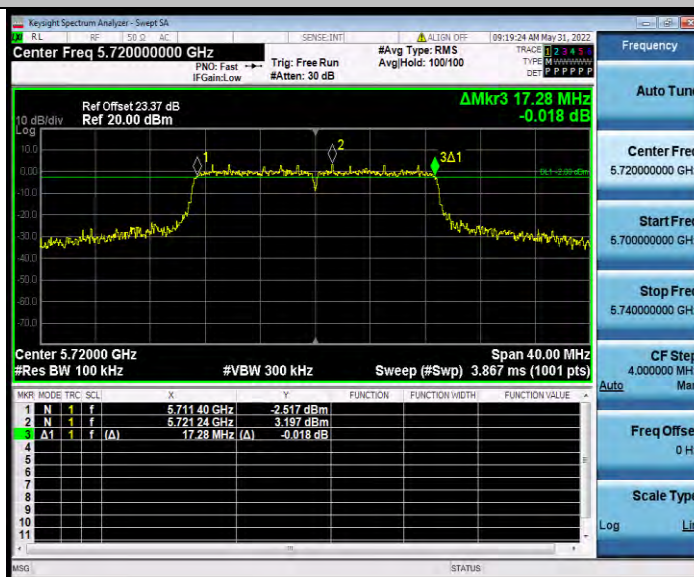
| TestMode   | Antenna | Frequency[MHz] | 6db EBW<br>[MHz] | FL[MHz] | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|------------------|---------|----------|------------|---------|
| 11A        | Ant1    | 5720_UNII-3    | 3.16             | 5725    | 5728.160 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5720_UNII-3    | 3.68             | 5725    | 5728.680 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5710_UNII-3    | 2.92             | 5725    | 5727.920 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5720_UNII-3    | 3.64             | 5725    | 5728.640 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5710_UNII-3    | 2.84             | 5725    | 5727.840 | 0.5        | PASS    |
| 11AC80SISO | Ant1    | 5690_UNII-3    | 2.76             | 5725    | 5727.760 | 0.5        | PASS    |

## TEST GRAPHS B4

11A\_Ant1\_5720\_UNII-3



11N20SISO\_Ant1\_5720\_UNII-3

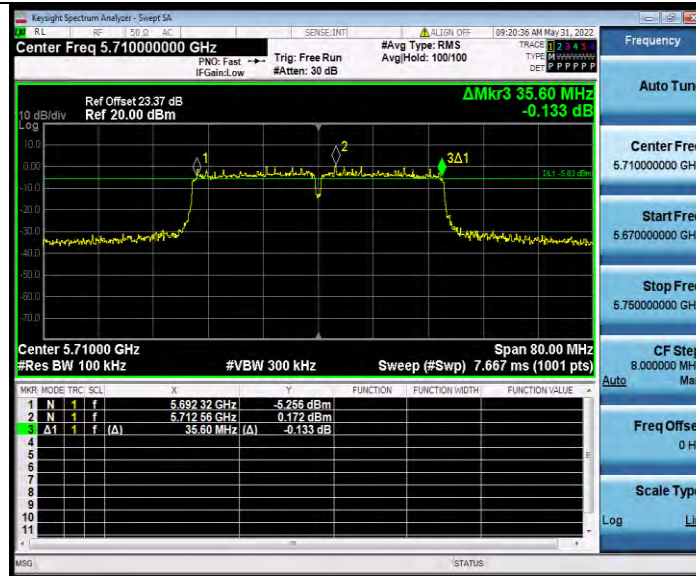


11N40SISO\_Ant1\_5710\_UNII-3

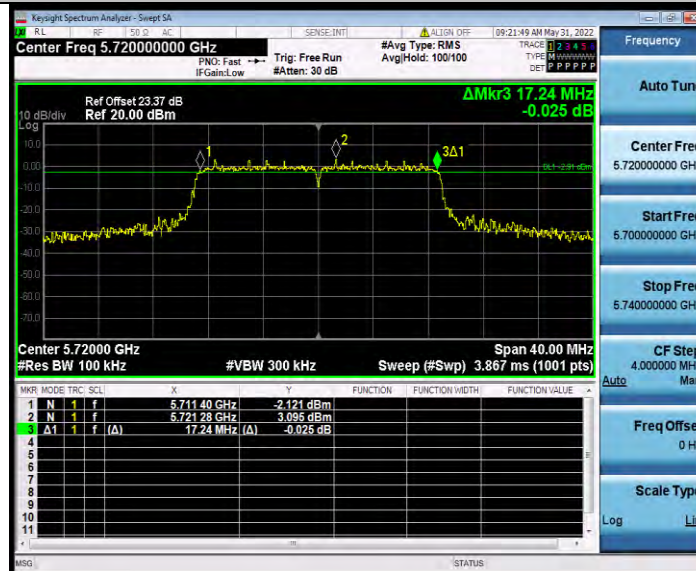


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11AC20SISO\_Ant1\_5720\_UNII-3



11AC40SISO\_Ant1\_5710\_UNII-3



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Test Report No.: W7L-P22050002RF03





Test Report No.: W7L-P22050002RF03

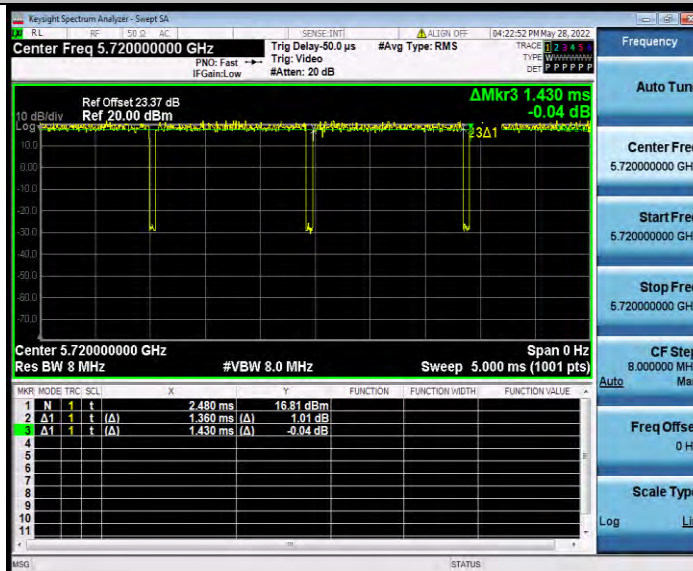
## DUTY CYCLE

## TEST RESULT

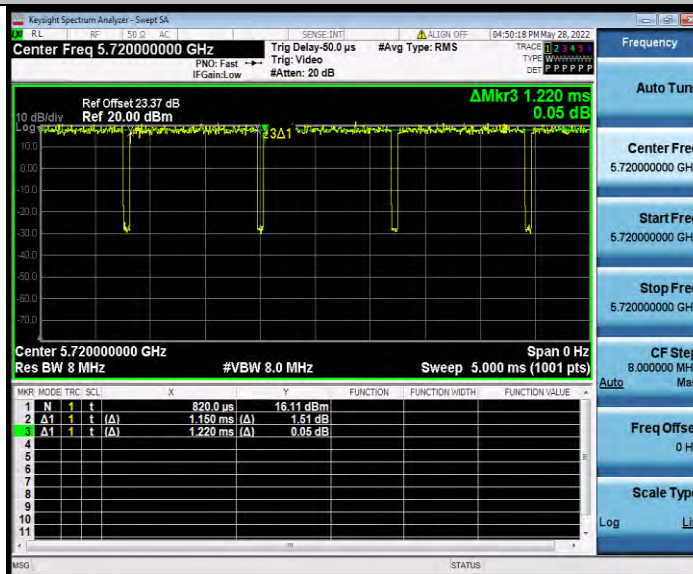
| TestMode   | Antenna | Frequency[MHz] | Transmission<br>Duration [ms] | Transmission<br>Period [ms] | Duty Cycle<br>[%] |
|------------|---------|----------------|-------------------------------|-----------------------------|-------------------|
| 11A        | Ant1    | 5720           | 1.36                          | 1.43                        | 95.10             |
| 11N20SISO  | Ant1    | 5720           | 1.15                          | 1.22                        | 94.26             |
| 11N40SISO  | Ant1    | 5710           | 0.57                          | 0.64                        | 89.06             |
| 11AC20SISO | Ant1    | 5720           | 1.16                          | 1.22                        | 95.08             |
| 11AC40SISO | Ant1    | 5710           | 0.58                          | 0.64                        | 90.63             |
| 11AC80SISO | Ant1    | 5690           | 0.29                          | 0.35                        | 82.86             |

## TEST GRAPHS

11A\_Ant1\_5720



11N20SISO\_Ant1\_5720

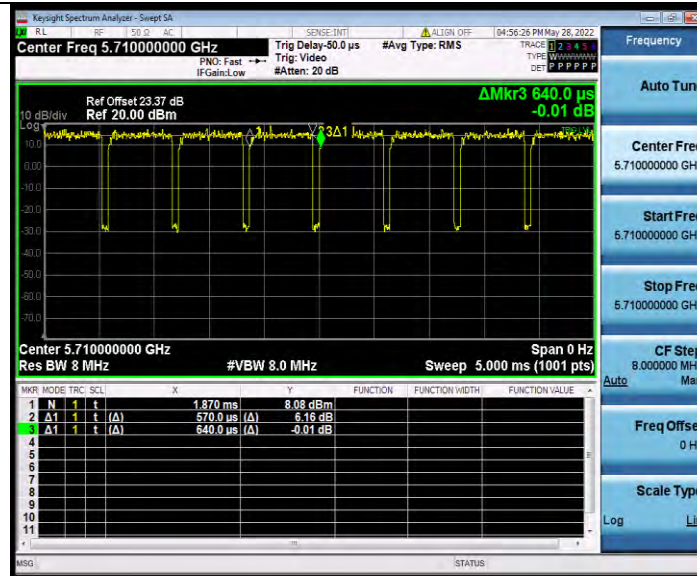


11N40SISO\_Ant1\_5710

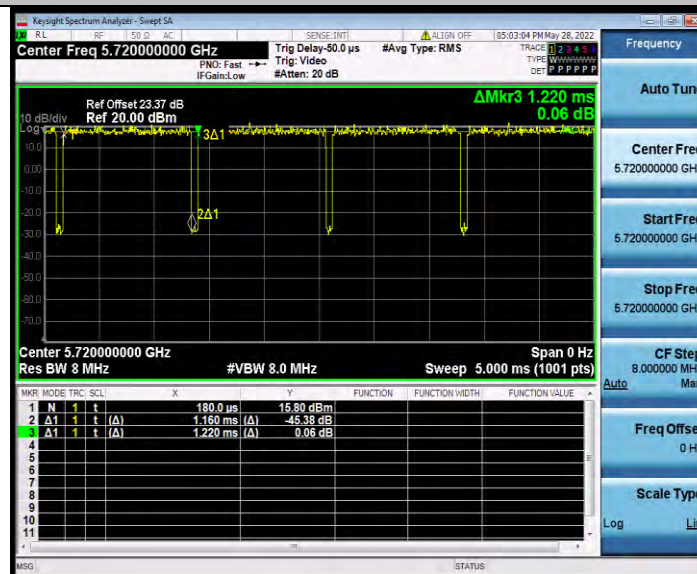


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11AC20SISO\_Ant1\_5720

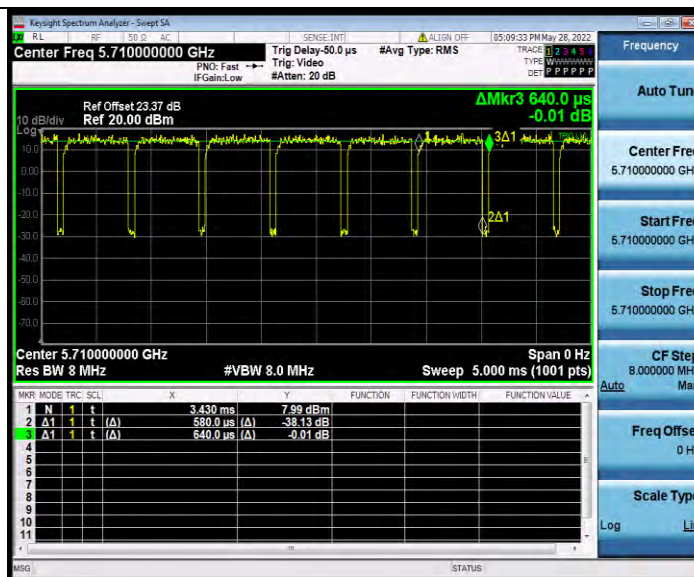


11AC40SISO\_Ant1\_5710

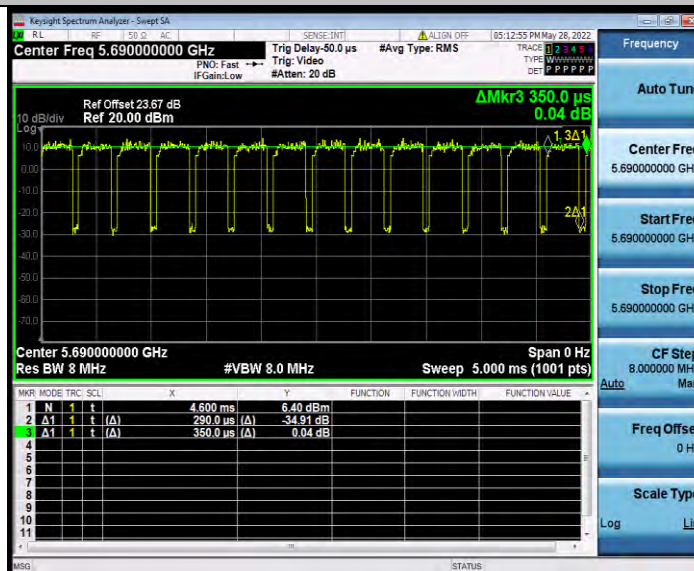


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11AC80SISO\_Ant1\_5690





**Test Report No.: W7L-P22050002RF03**

## MAXIMUM POWER SPECTRAL DENSITY TEST RESULT

| TestMode   | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5720_UNII-2C   | 3.92             | ≤11.00         | PASS    |
|            |         | 5720_UNII-3    | 0.77             | ≤30.00         | PASS    |
| 11N20SISO  | Ant1    | 5720_UNII-2C   | 3.15             | ≤11.00         | PASS    |
|            |         | 5720_UNII-3    | 0.44             | ≤30.00         | PASS    |
| 11N40SISO  | Ant1    | 5710_UNII-2C   | -0.14            | ≤11.00         | PASS    |
|            |         | 5710_UNII-3    | -4.06            | ≤30.00         | PASS    |
| 11AC20SISO | Ant1    | 5720_UNII-2C   | 3.1              | ≤11.00         | PASS    |
|            |         | 5720_UNII-3    | 0.12             | ≤30.00         | PASS    |
| 11AC40SISO | Ant1    | 5710_UNII-2C   | -0.38            | ≤11.00         | PASS    |
|            |         | 5710_UNII-3    | -4.08            | ≤30.00         | PASS    |
| 11AC80SISO | Ant1    | 5690_UNII-2C   | -3.21            | ≤11.00         | PASS    |
|            |         | 5690_UNII-3    | -7.06            | ≤30.00         | PASS    |

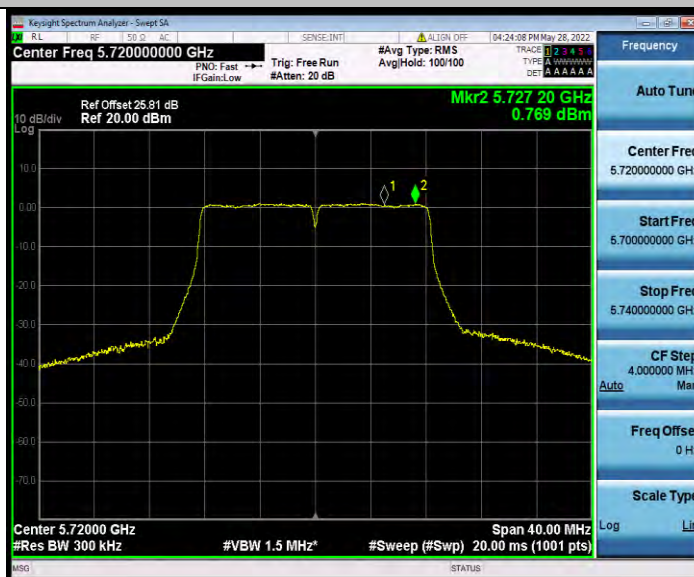
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.  
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

## TEST GRAPHS

11A\_Ant1\_5720\_UNII-2C



11A\_Ant1\_5720\_UNII-3



11N20SISO\_Ant1\_5720\_UNII-2C



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11N20SISO\_Ant1\_5720\_UNII-3



11N40SISO\_Ant1\_5710\_UNII-2C



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11N40SISO\_Ant1\_5710\_UNII-3

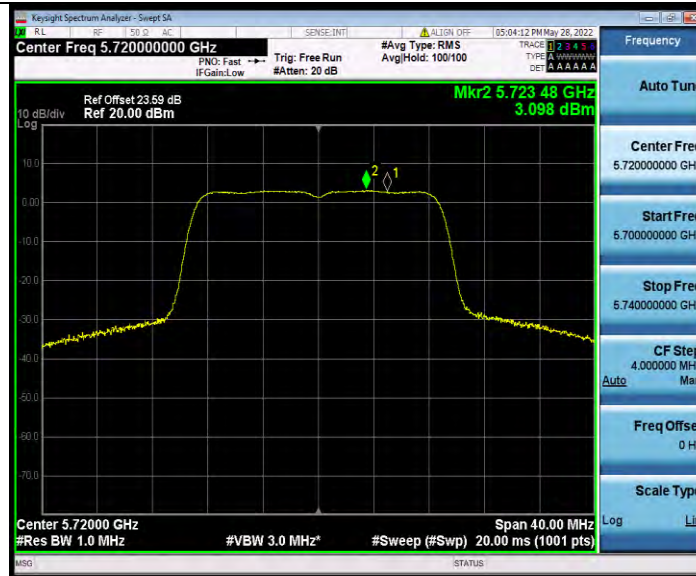


11AC20SISO\_Ant1\_5720\_UNII-2C



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11AC20SISO\_Ant1\_5720\_UNII-3

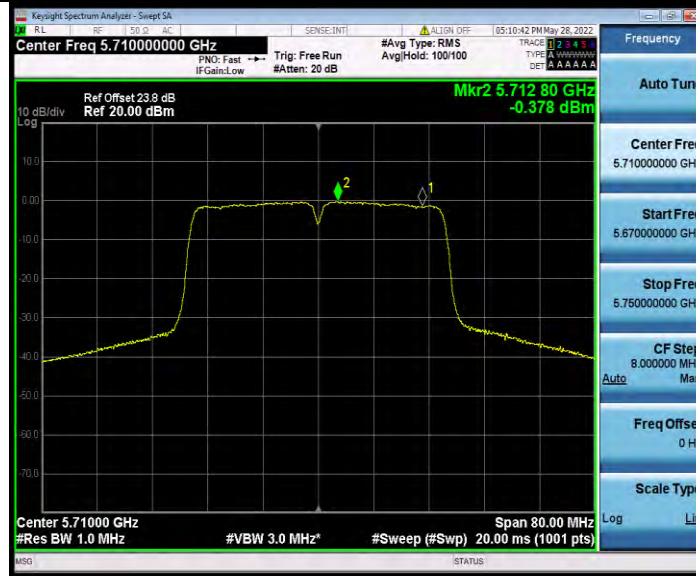


11AC40SISO\_Ant1\_5710\_UNII-2C

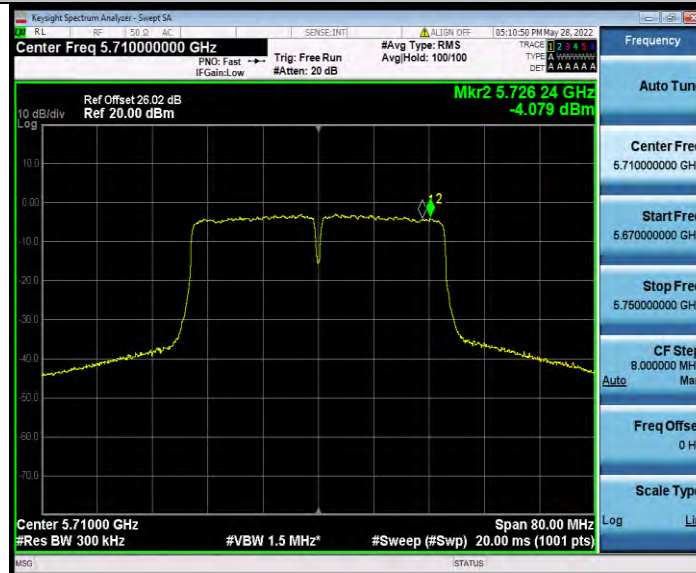


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11AC40SISO\_Ant1\_5710\_UNII-3



11AC80SISO\_Ant1\_5690\_UNII-2C



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