

## RF Test Data for 5G Wi-Fi (Conducted Measurements)

| General Description of EUT                                                                      |                        |
|-------------------------------------------------------------------------------------------------|------------------------|
| Product Name:                                                                                   | WiFi & BT combo module |
| Test Model:                                                                                     | EWN-8852BER3BB-HF      |
| Sample ID:                                                                                      | 202205-0049-01-02#     |
| Environmental Conditions                                                                        |                        |
| Temperature:                                                                                    | 25℃                    |
| Relative Humidity:                                                                              | 55%                    |
| Test Voltage:                                                                                   | DC 3.3V                |
| Test Engineer:                                                                                  | Huangjianping          |
| Note: For a more detailed features description, please refer to the report TBR-C-202205-0049-13 |                        |

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## 1. Emission Bandwidth

### 1.1. Test Result

| TestMode  | Antenna | Channel | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|----------------|---------|---------|------------|---------|
| 11A       | Ant1    | 5180    | 18.52          | 5170.68 | 5189.20 | ---        | ---     |
|           | Ant2    | 5180    | 18.36          | 5170.76 | 5189.12 | ---        | ---     |
|           | Ant1    | 5220    | 18.52          | 5210.72 | 5229.24 | ---        | ---     |
|           | Ant2    | 5220    | 18.36          | 5210.72 | 5229.08 | ---        | ---     |
|           | Ant1    | 5240    | 18.52          | 5230.76 | 5249.28 | ---        | ---     |
|           | Ant2    | 5240    | 18.44          | 5230.64 | 5249.08 | ---        | ---     |
|           | Ant1    | 5260    | 18.40          | 5250.80 | 5269.20 | ---        | ---     |
|           | Ant2    | 5260    | 18.40          | 5250.68 | 5269.08 | ---        | ---     |
|           | Ant1    | 5300    | 18.52          | 5290.72 | 5309.24 | ---        | ---     |
|           | Ant2    | 5300    | 18.28          | 5290.80 | 5309.08 | ---        | ---     |
|           | Ant1    | 5320    | 18.48          | 5310.76 | 5329.24 | ---        | ---     |
|           | Ant2    | 5320    | 18.40          | 5310.68 | 5329.08 | ---        | ---     |
|           | Ant1    | 5500    | 18.52          | 5490.76 | 5509.28 | ---        | ---     |
|           | Ant2    | 5500    | 18.40          | 5490.72 | 5509.12 | ---        | ---     |
|           | Ant1    | 5580    | 18.48          | 5570.80 | 5589.28 | ---        | ---     |
|           | Ant2    | 5580    | 18.36          | 5570.72 | 5589.08 | ---        | ---     |
|           | Ant1    | 5700    | 18.48          | 5690.72 | 5709.20 | ---        | ---     |
|           | Ant2    | 5700    | 18.44          | 5690.68 | 5709.12 | ---        | ---     |
| 11N20MIMO | Ant1    | 5180    | 19.44          | 5170.28 | 5189.72 | ---        | ---     |
|           | Ant2    | 5180    | 19.20          | 5170.40 | 5189.60 | ---        | ---     |
|           | Ant1    | 5220    | 19.32          | 5210.32 | 5229.64 | ---        | ---     |
|           | Ant2    | 5220    | 19.12          | 5210.40 | 5229.52 | ---        | ---     |
|           | Ant1    | 5240    | 19.24          | 5230.36 | 5249.60 | ---        | ---     |
|           | Ant2    | 5240    | 19.20          | 5230.36 | 5249.56 | ---        | ---     |
|           | Ant1    | 5260    | 37.56          | 5241.32 | 5278.88 | ---        | ---     |
|           | Ant2    | 5260    | 19.16          | 5250.40 | 5269.56 | ---        | ---     |
|           | Ant1    | 5300    | 19.32          | 5290.32 | 5309.64 | ---        | ---     |
|           | Ant2    | 5300    | 19.24          | 5290.36 | 5309.60 | ---        | ---     |
|           | Ant1    | 5320    | 19.32          | 5310.32 | 5329.64 | ---        | ---     |
|           | Ant2    | 5320    | 19.20          | 5310.36 | 5329.56 | ---        | ---     |
|           | Ant1    | 5500    | 19.28          | 5490.28 | 5509.56 | ---        | ---     |
|           | Ant2    | 5500    | 19.16          | 5490.40 | 5509.56 | ---        | ---     |
|           | Ant1    | 5580    | 19.36          | 5570.28 | 5589.64 | ---        | ---     |
|           | Ant2    | 5580    | 19.20          | 5570.40 | 5589.60 | ---        | ---     |
|           | Ant1    | 5700    | 19.32          | 5690.28 | 5709.60 | ---        | ---     |
|           | Ant2    | 5700    | 19.16          | 5690.40 | 5709.56 | ---        | ---     |
| 11N40MIMO | Ant1    | 5190    | 39.36          | 5170.32 | 5209.68 | ---        | ---     |
|           | Ant2    | 5190    | 38.88          | 5170.48 | 5209.36 | ---        | ---     |
|           | Ant1    | 5230    | 39.36          | 5210.32 | 5249.68 | ---        | ---     |
|           | Ant2    | 5230    | 38.96          | 5210.40 | 5249.36 | ---        | ---     |
|           | Ant1    | 5270    | 39.36          | 5250.32 | 5289.68 | ---        | ---     |



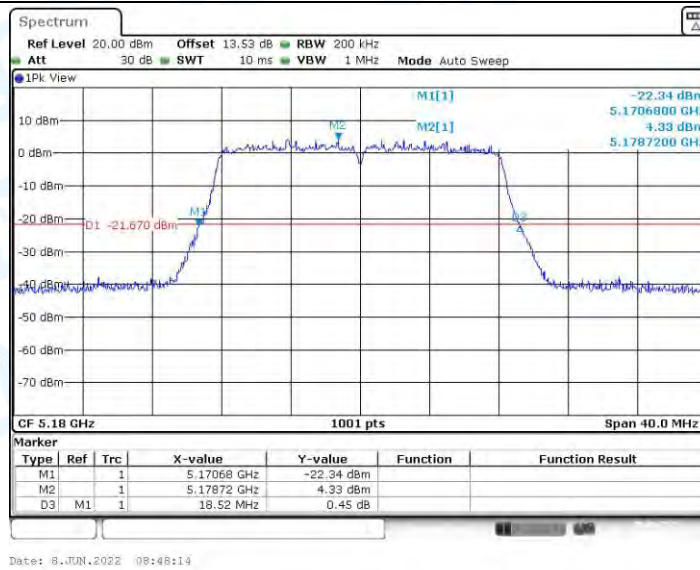
|            |      |      |       |         |         |     |     |
|------------|------|------|-------|---------|---------|-----|-----|
|            | Ant2 | 5270 | 39.04 | 5250.32 | 5289.36 | --- | --- |
|            | Ant1 | 5310 | 39.36 | 5290.32 | 5329.68 | --- | --- |
|            | Ant2 | 5310 | 38.88 | 5290.48 | 5329.36 | --- | --- |
|            | Ant1 | 5510 | 39.44 | 5490.32 | 5529.76 | --- | --- |
|            | Ant2 | 5510 | 38.96 | 5490.40 | 5529.36 | --- | --- |
|            | Ant1 | 5550 | 39.36 | 5530.32 | 5569.68 | --- | --- |
|            | Ant2 | 5550 | 39.12 | 5530.32 | 5569.44 | --- | --- |
|            | Ant1 | 5670 | 39.44 | 5650.32 | 5689.76 | --- | --- |
|            | Ant2 | 5670 | 43.68 | 5646.48 | 5690.16 | --- | --- |
| 11AC20MIMO | Ant1 | 5180 | 19.32 | 5170.28 | 5189.60 | --- | --- |
|            | Ant2 | 5180 | 20.56 | 5169.32 | 5189.88 | --- | --- |
|            | Ant1 | 5220 | 19.32 | 5210.32 | 5229.64 | --- | --- |
|            | Ant2 | 5220 | 19.28 | 5210.32 | 5229.60 | --- | --- |
|            | Ant1 | 5240 | 19.36 | 5230.32 | 5249.68 | --- | --- |
|            | Ant2 | 5240 | 19.24 | 5230.36 | 5249.60 | --- | --- |
|            | Ant1 | 5260 | 20.40 | 5249.76 | 5270.16 | --- | --- |
|            | Ant2 | 5260 | 20.24 | 5249.80 | 5270.04 | --- | --- |
|            | Ant1 | 5300 | 20.36 | 5289.80 | 5310.16 | --- | --- |
|            | Ant2 | 5300 | 20.20 | 5289.88 | 5310.08 | --- | --- |
|            | Ant1 | 5320 | 20.44 | 5309.76 | 5330.20 | --- | --- |
|            | Ant2 | 5320 | 20.32 | 5309.76 | 5330.08 | --- | --- |
|            | Ant1 | 5500 | 20.48 | 5489.80 | 5510.28 | --- | --- |
|            | Ant2 | 5500 | 20.24 | 5489.80 | 5510.04 | --- | --- |
|            | Ant1 | 5580 | 19.28 | 5570.32 | 5589.60 | --- | --- |
|            | Ant2 | 5580 | 19.20 | 5570.36 | 5589.56 | --- | --- |
|            | Ant1 | 5700 | 19.36 | 5690.32 | 5709.68 | --- | --- |
|            | Ant2 | 5700 | 19.24 | 5690.40 | 5709.64 | --- | --- |
| 11AC40MIMO | Ant1 | 5190 | 39.36 | 5170.32 | 5209.68 | --- | --- |
|            | Ant2 | 5190 | 39.20 | 5170.40 | 5209.60 | --- | --- |
|            | Ant1 | 5230 | 39.44 | 5210.32 | 5249.76 | --- | --- |
|            | Ant2 | 5230 | 39.36 | 5210.24 | 5249.60 | --- | --- |
|            | Ant1 | 5270 | 39.44 | 5250.24 | 5289.68 | --- | --- |
|            | Ant2 | 5270 | 38.88 | 5250.48 | 5289.36 | --- | --- |
|            | Ant1 | 5310 | 39.52 | 5290.24 | 5329.76 | --- | --- |
|            | Ant2 | 5310 | 38.88 | 5290.56 | 5329.44 | --- | --- |
|            | Ant1 | 5510 | 39.52 | 5490.32 | 5529.84 | --- | --- |
|            | Ant2 | 5510 | 38.88 | 5490.56 | 5529.44 | --- | --- |
|            | Ant1 | 5550 | 39.36 | 5530.40 | 5569.76 | --- | --- |
|            | Ant2 | 5550 | 38.96 | 5530.48 | 5569.44 | --- | --- |
|            | Ant1 | 5670 | 39.52 | 5650.32 | 5689.84 | --- | --- |
|            | Ant2 | 5670 | 40.08 | 5649.92 | 5690.00 | --- | --- |
| 11AC80MIMO | Ant1 | 5210 | 87.84 | 5165.84 | 5253.68 | --- | --- |
|            | Ant2 | 5210 | 85.76 | 5167.44 | 5253.20 | --- | --- |
|            | Ant1 | 5290 | 87.68 | 5246.32 | 5334.00 | --- | --- |
|            | Ant2 | 5290 | 84.64 | 5248.72 | 5333.36 | --- | --- |
|            | Ant1 | 5530 | 88.16 | 5485.84 | 5574.00 | --- | --- |



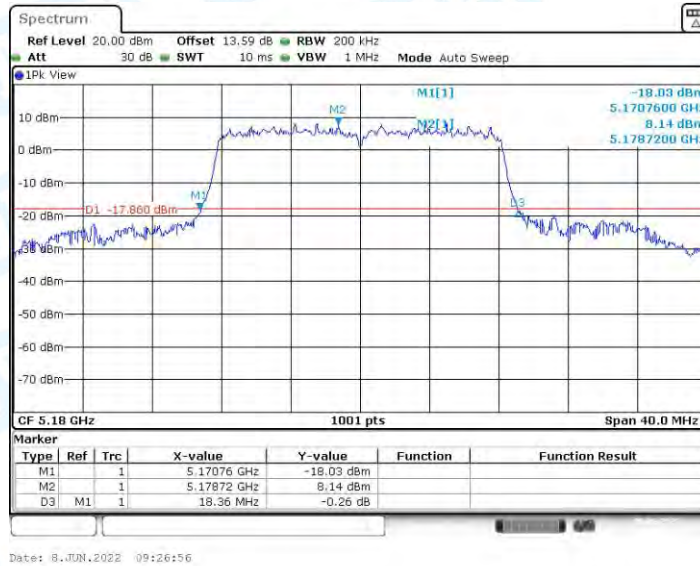
|            |      |      |       |         |         |     |     |
|------------|------|------|-------|---------|---------|-----|-----|
|            | Ant2 | 5530 | 85.60 | 5486.96 | 5572.56 | --- | --- |
|            | Ant1 | 5610 | 88.16 | 5565.84 | 5654.00 | --- | --- |
|            | Ant2 | 5610 | 84.80 | 5566.32 | 5651.12 | --- | --- |
| 11AX20MIMO | Ant1 | 5180 | 20.16 | 5169.92 | 5190.08 | --- | --- |
|            | Ant2 | 5180 | 20.32 | 5169.84 | 5190.16 | --- | --- |
|            | Ant1 | 5220 | 20.32 | 5209.88 | 5230.20 | --- | --- |
|            | Ant2 | 5220 | 20.24 | 5209.88 | 5230.12 | --- | --- |
|            | Ant1 | 5240 | 20.32 | 5229.88 | 5250.20 | --- | --- |
|            | Ant2 | 5240 | 20.28 | 5229.84 | 5250.12 | --- | --- |
|            | Ant1 | 5260 | 20.24 | 5249.88 | 5270.12 | --- | --- |
|            | Ant2 | 5260 | 20.24 | 5249.92 | 5270.16 | --- | --- |
|            | Ant1 | 5300 | 20.32 | 5289.84 | 5310.16 | --- | --- |
|            | Ant2 | 5300 | 20.24 | 5289.88 | 5310.12 | --- | --- |
|            | Ant1 | 5320 | 20.36 | 5309.88 | 5330.24 | --- | --- |
|            | Ant2 | 5320 | 20.24 | 5309.84 | 5330.08 | --- | --- |
|            | Ant1 | 5500 | 20.32 | 5489.92 | 5510.24 | --- | --- |
|            | Ant2 | 5500 | 20.28 | 5489.88 | 5510.16 | --- | --- |
|            | Ant1 | 5580 | 20.28 | 5569.92 | 5590.20 | --- | --- |
|            | Ant2 | 5580 | 20.24 | 5569.88 | 5590.12 | --- | --- |
|            | Ant1 | 5700 | 20.36 | 5689.84 | 5710.20 | --- | --- |
|            | Ant2 | 5700 | 20.24 | 5689.88 | 5710.12 | --- | --- |
| 11AX40MIMO | Ant1 | 5190 | 39.92 | 5170.00 | 5209.92 | --- | --- |
|            | Ant2 | 5190 | 47.12 | 5165.92 | 5213.04 | --- | --- |
|            | Ant1 | 5230 | 39.92 | 5210.00 | 5249.92 | --- | --- |
|            | Ant2 | 5230 | 40.00 | 5209.92 | 5249.92 | --- | --- |
|            | Ant1 | 5270 | 39.84 | 5250.08 | 5289.92 | --- | --- |
|            | Ant2 | 5270 | 40.16 | 5249.84 | 5290.00 | --- | --- |
|            | Ant1 | 5310 | 40.00 | 5289.92 | 5329.92 | --- | --- |
|            | Ant2 | 5310 | 40.08 | 5289.92 | 5330.00 | --- | --- |
|            | Ant1 | 5510 | 39.92 | 5490.00 | 5529.92 | --- | --- |
|            | Ant2 | 5510 | 40.24 | 5489.76 | 5530.00 | --- | --- |
|            | Ant1 | 5550 | 39.92 | 5530.00 | 5569.92 | --- | --- |
|            | Ant2 | 5550 | 40.16 | 5529.84 | 5570.00 | --- | --- |
|            | Ant1 | 5670 | 39.92 | 5650.00 | 5689.92 | --- | --- |
|            | Ant2 | 5670 | 40.00 | 5650.08 | 5690.08 | --- | --- |
| 11AX80MIMO | Ant1 | 5210 | 81.76 | 5169.20 | 5250.96 | --- | --- |
|            | Ant2 | 5210 | 82.40 | 5169.36 | 5251.76 | --- | --- |
|            | Ant1 | 5290 | 82.08 | 5249.20 | 5331.28 | --- | --- |
|            | Ant2 | 5290 | 81.12 | 5249.84 | 5330.96 | --- | --- |
|            | Ant1 | 5530 | 82.08 | 5489.04 | 5571.12 | --- | --- |
|            | Ant2 | 5530 | 81.12 | 5489.20 | 5570.32 | --- | --- |
|            | Ant1 | 5610 | 82.08 | 5569.04 | 5651.12 | --- | --- |
|            | Ant2 | 5610 | 80.96 | 5569.20 | 5650.16 | --- | --- |



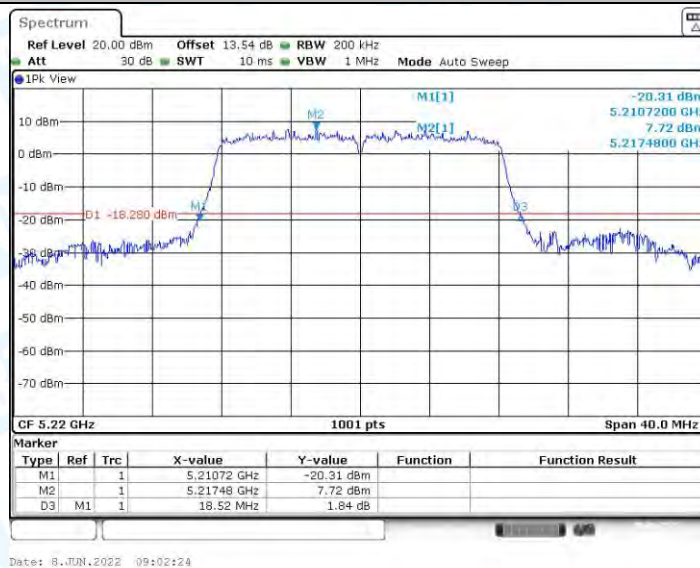
## 2.1. Test Graphs



11A\_Ant1\_5180

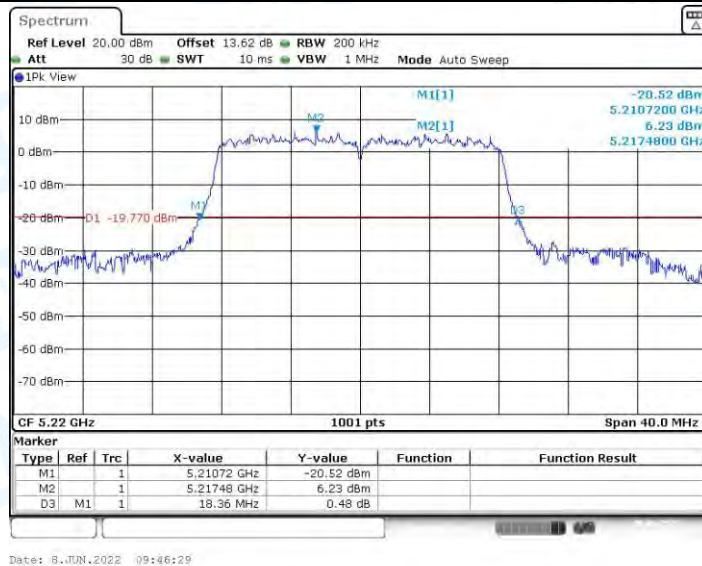


11A\_Ant2\_5180

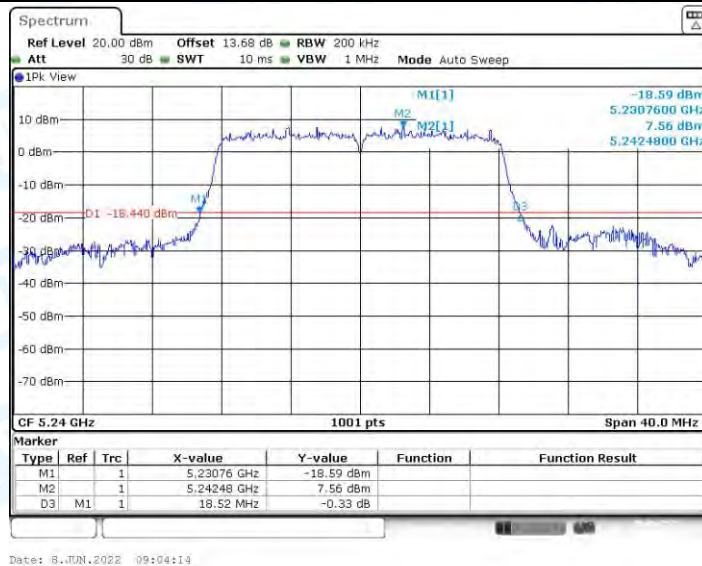


11A\_Ant1\_5220

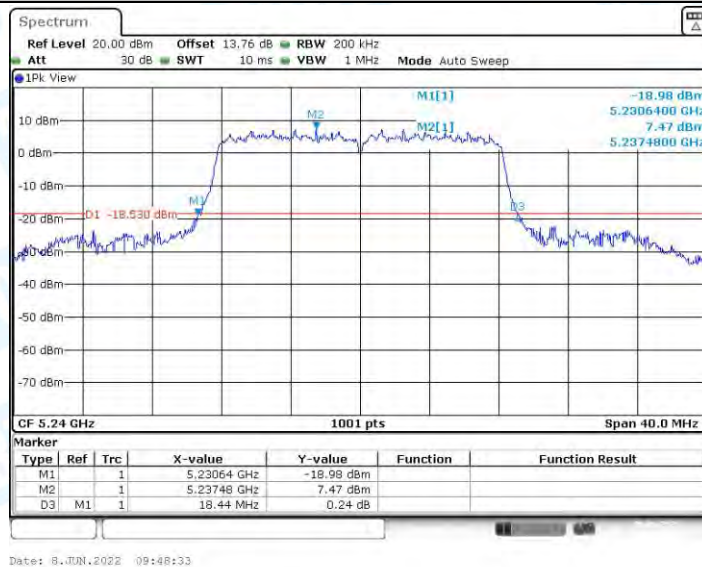




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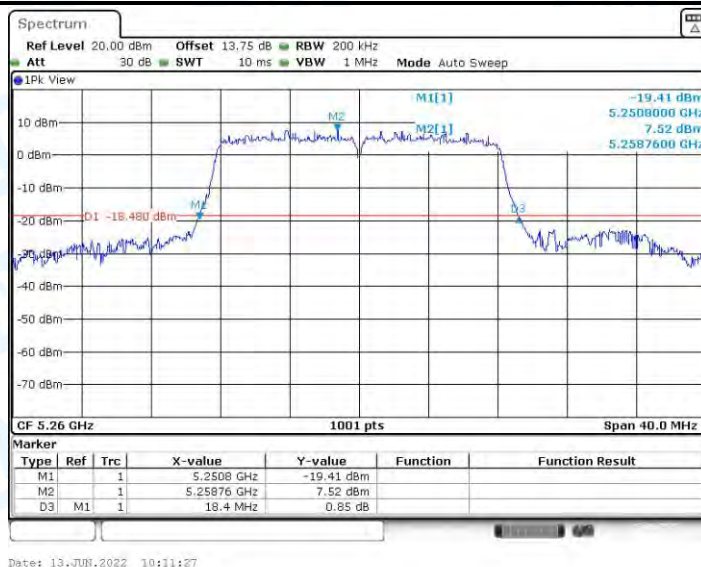


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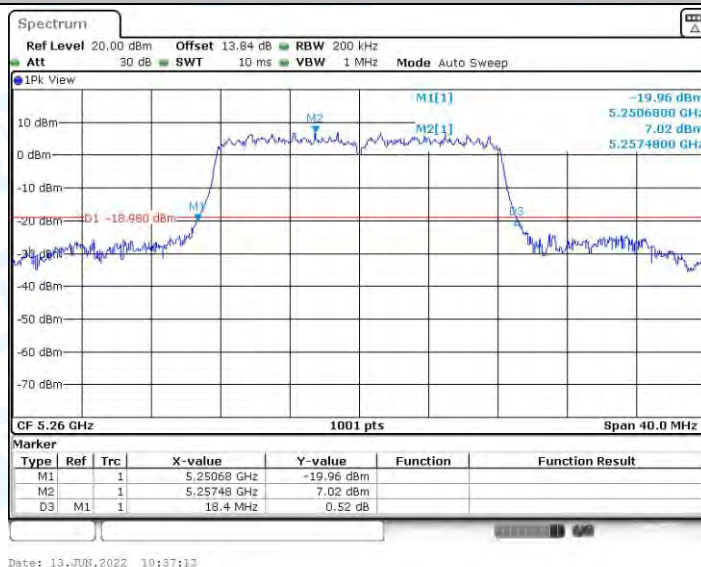


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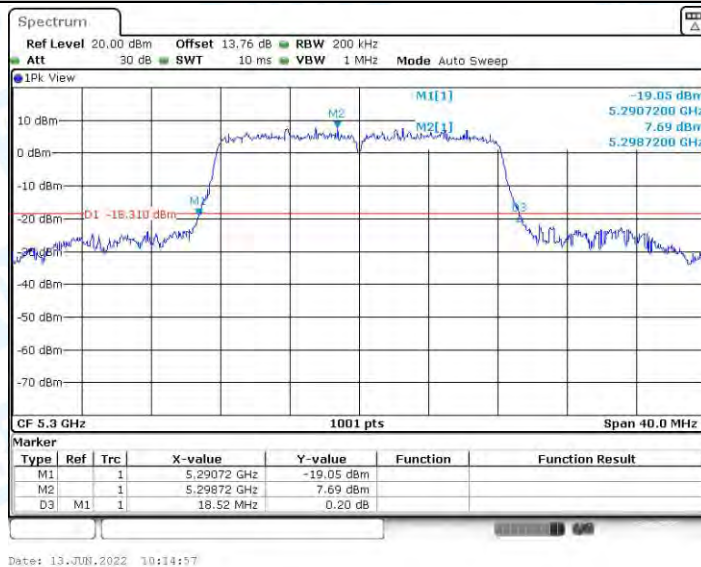




11A\_Ant1\_5260



11A\_Ant2\_5260

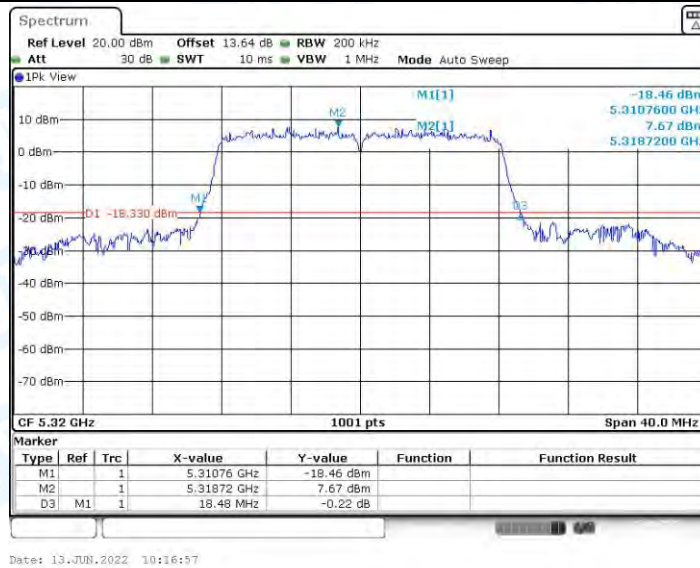


11A\_Ant1\_5300

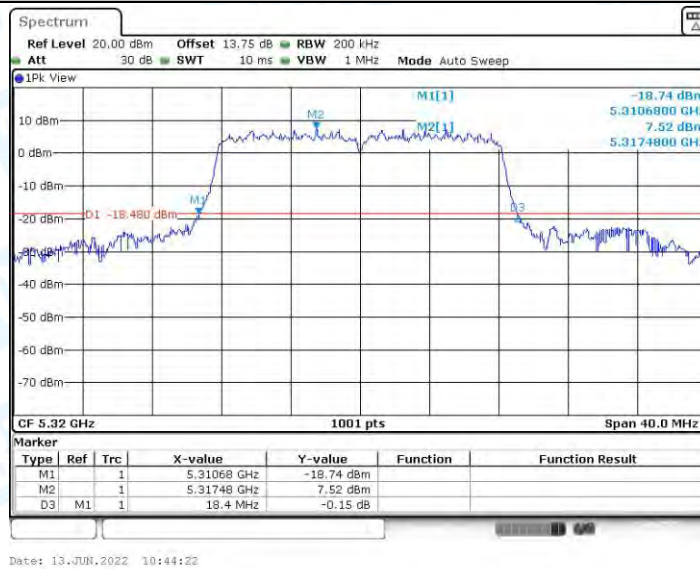




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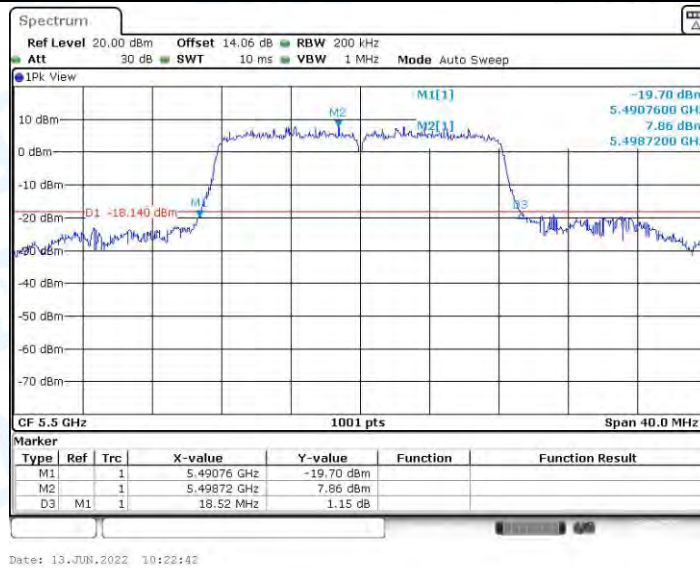


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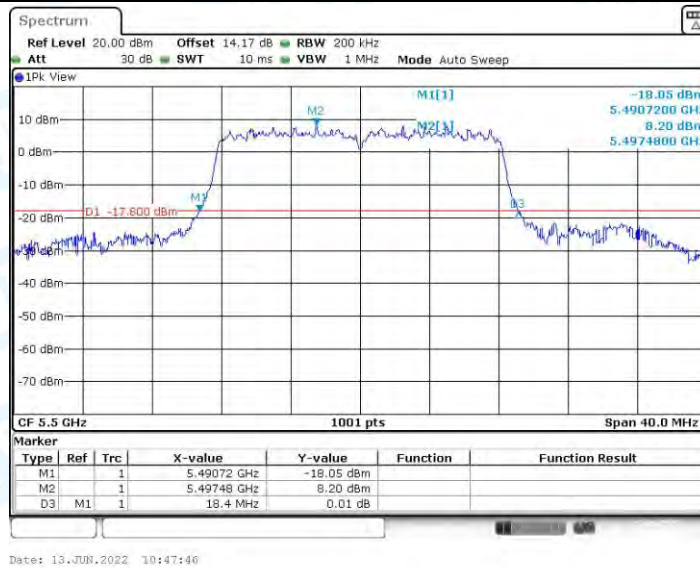


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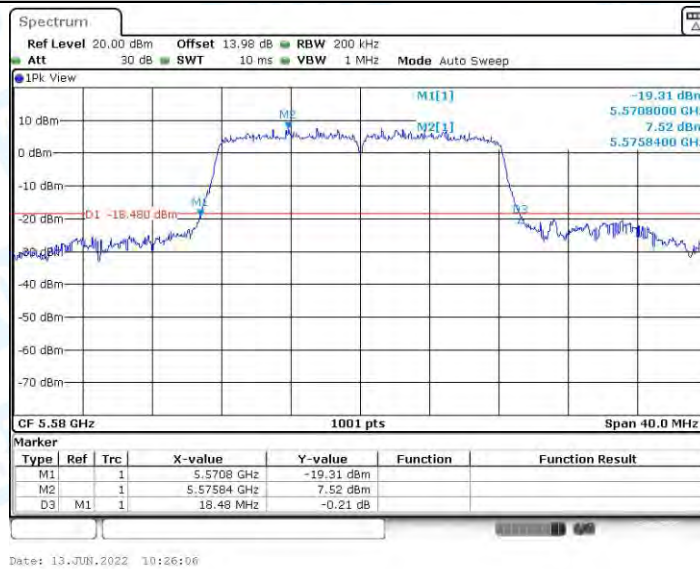




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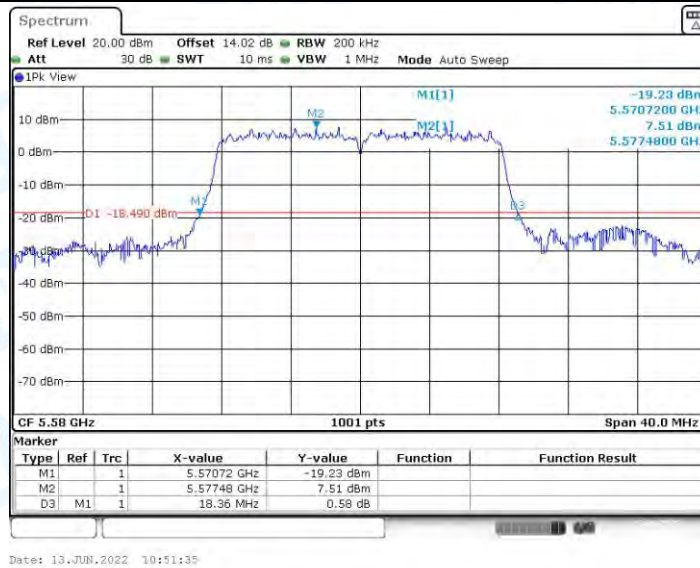


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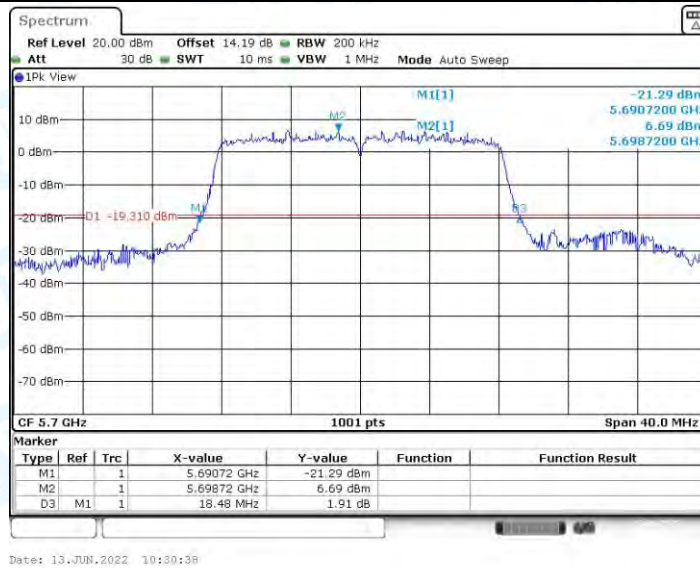


11A\_Ant1\_5580

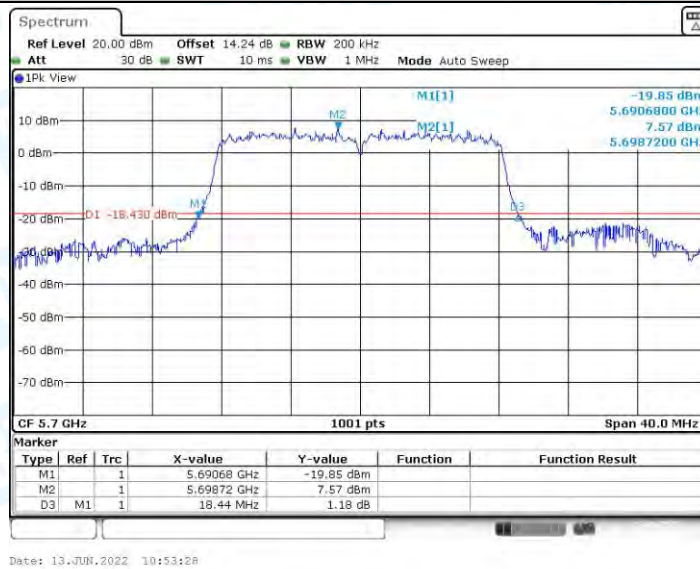




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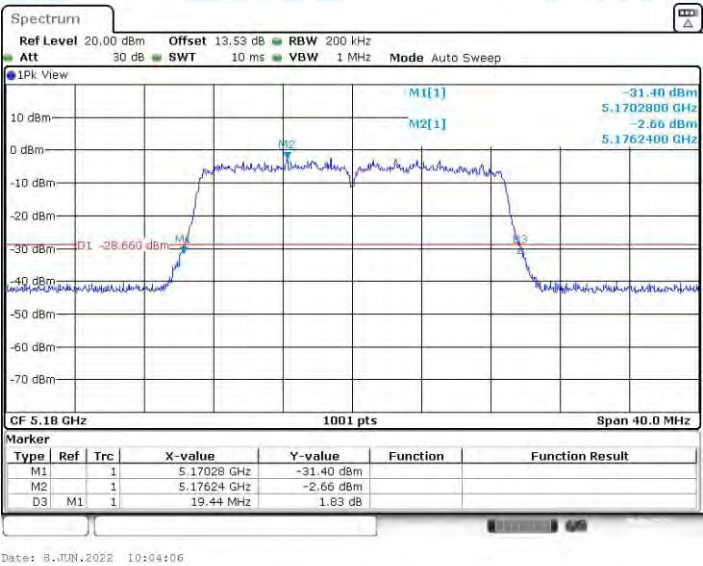


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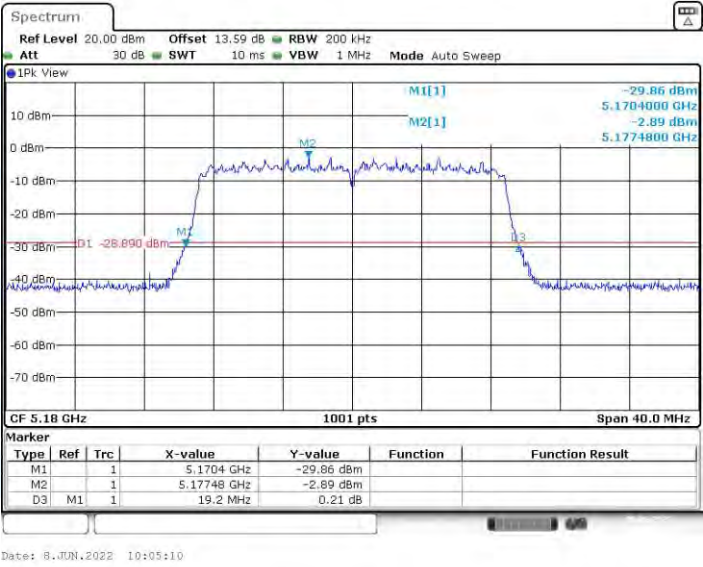


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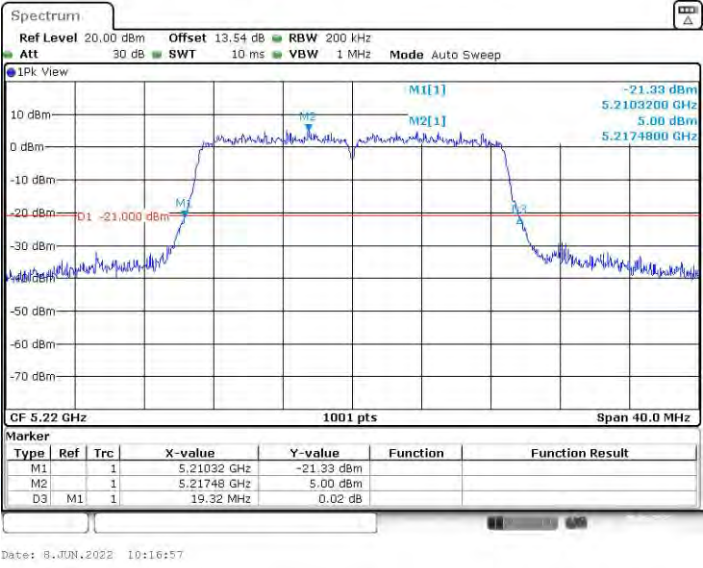




11N20MIMO\_Ant1\_5180

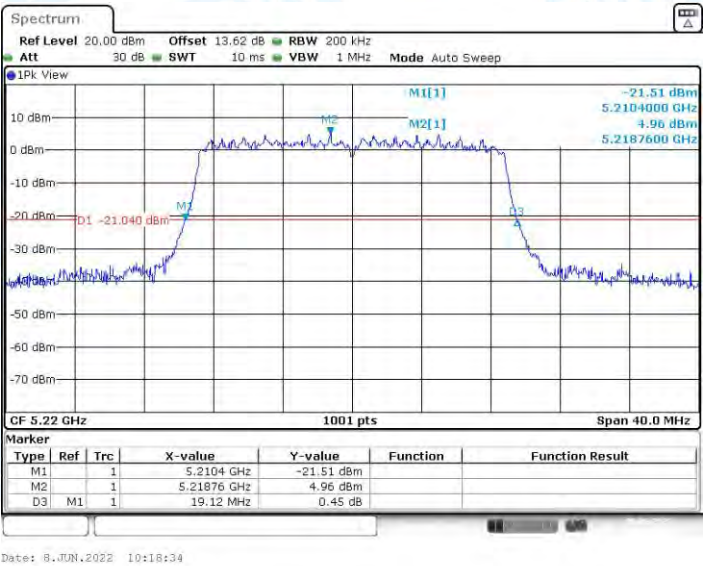


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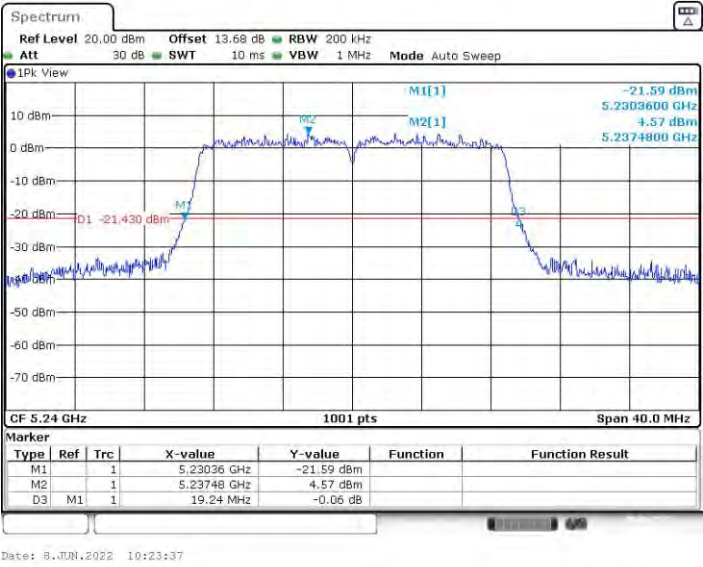


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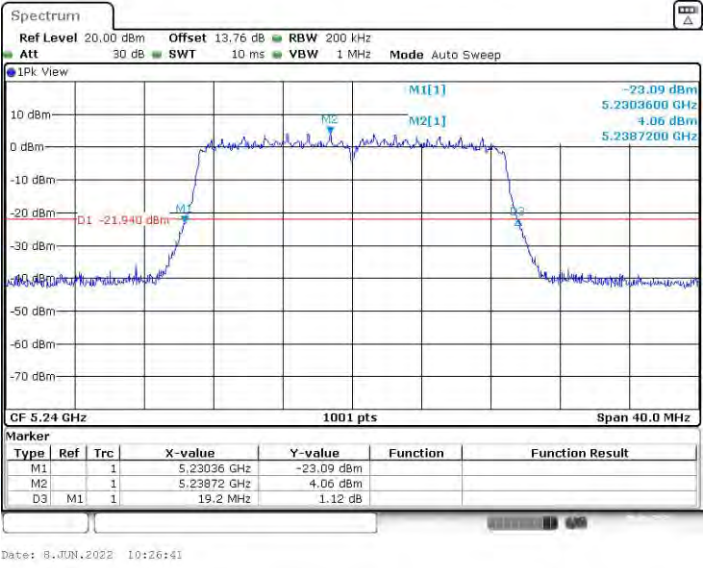




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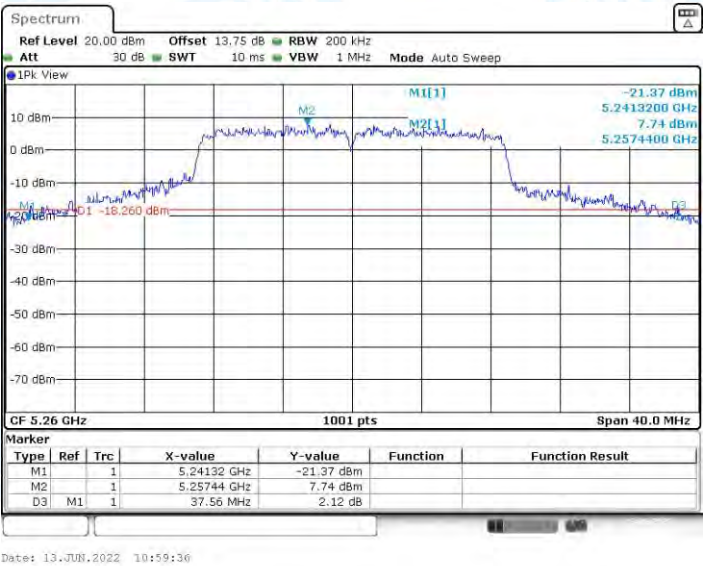


11N20MIMO\_Ant1\_5240

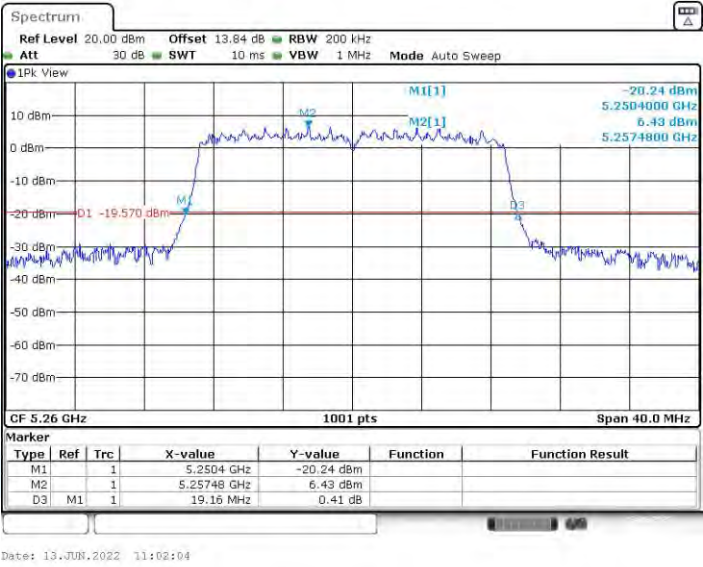


11N20MIMO\_Ant2\_5240

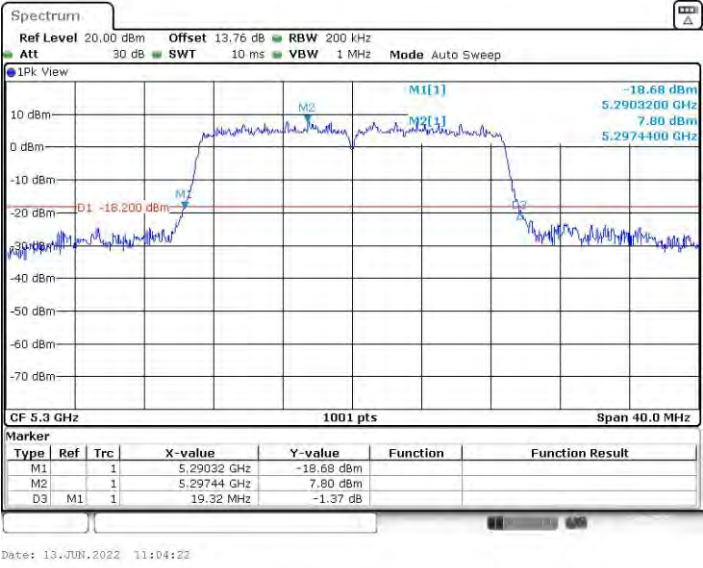




11N20MIMO\_Ant1\_5260

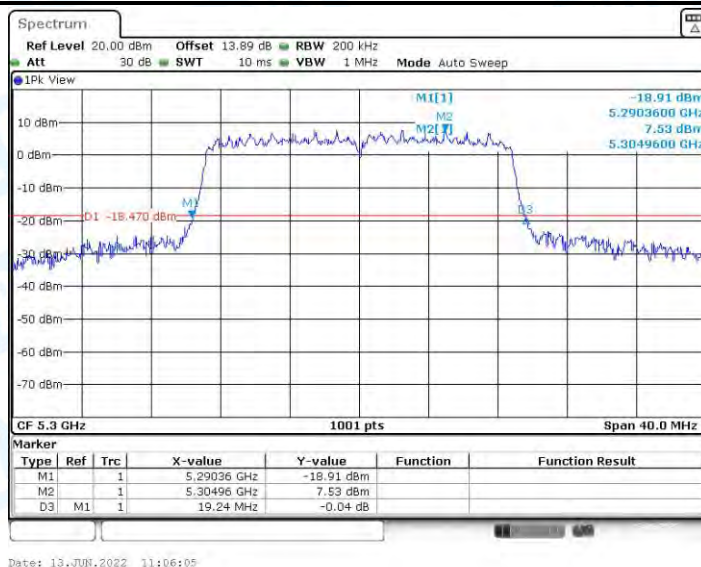


11N20MIMO\_Ant2\_5260

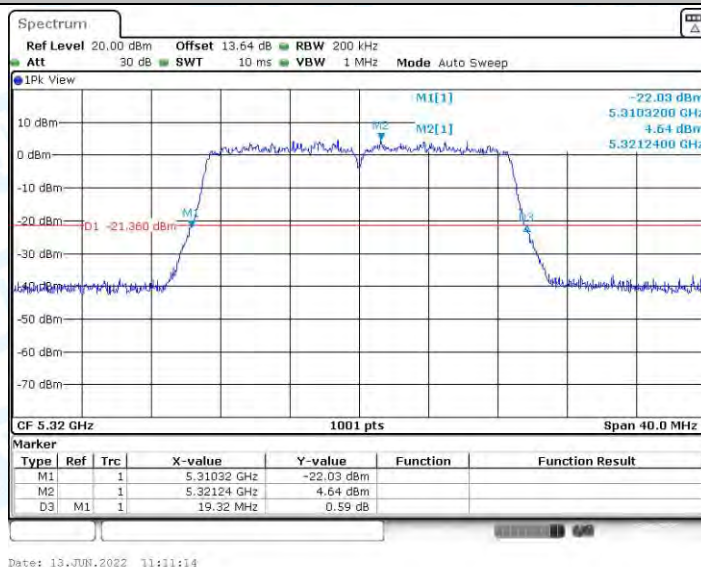


11N20MIMO\_Ant1\_5300

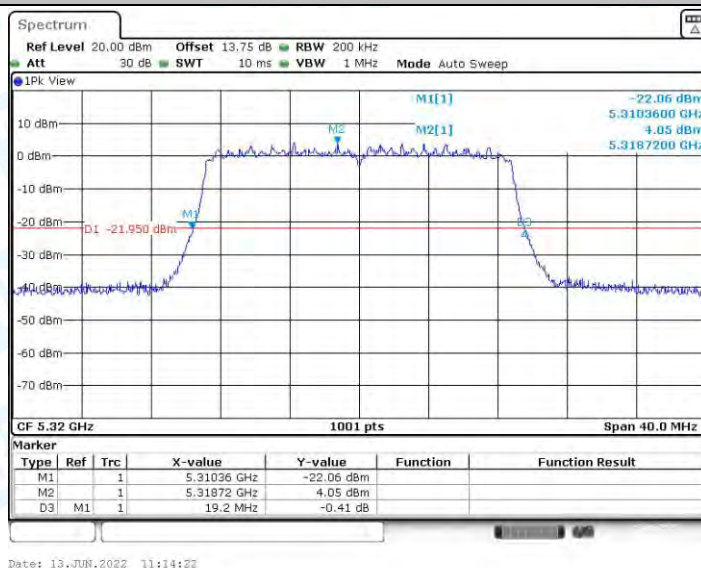




11N20MIMO\_Ant2\_5300

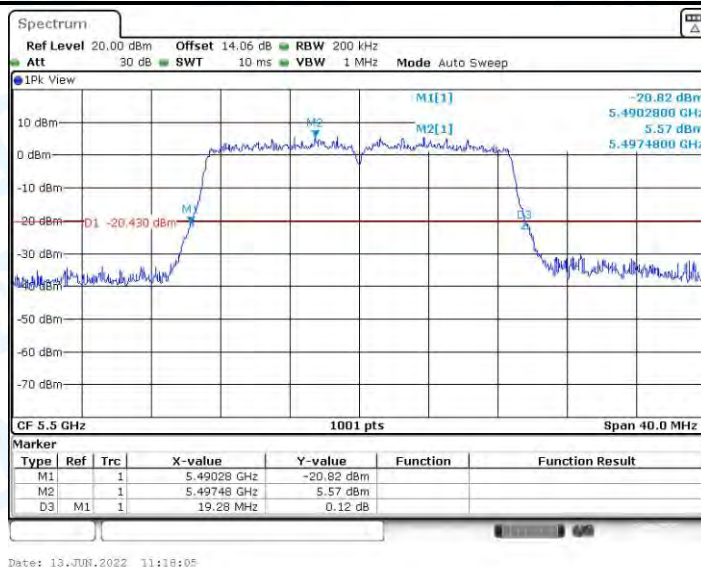


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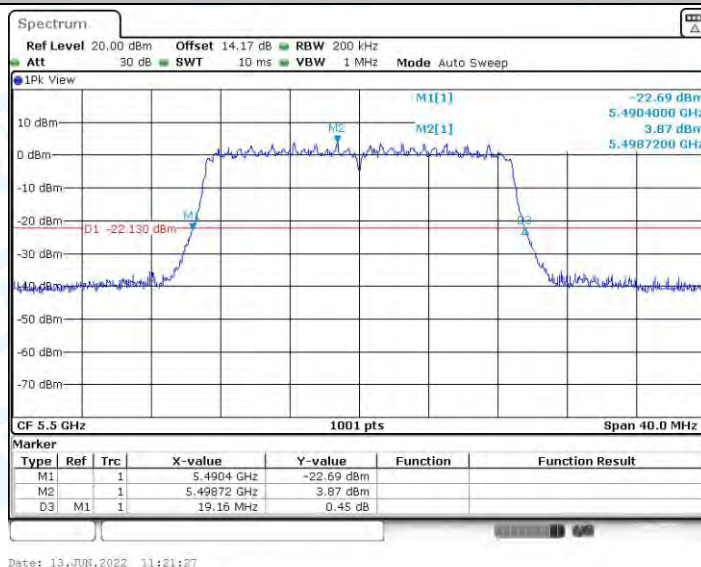


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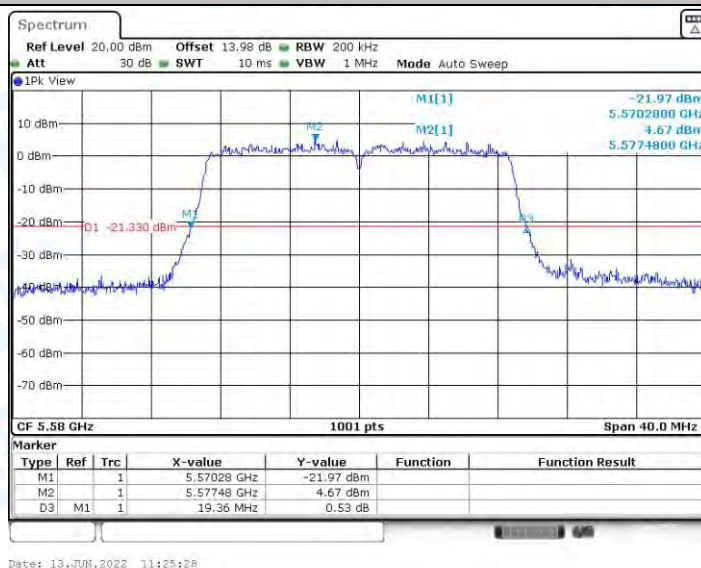




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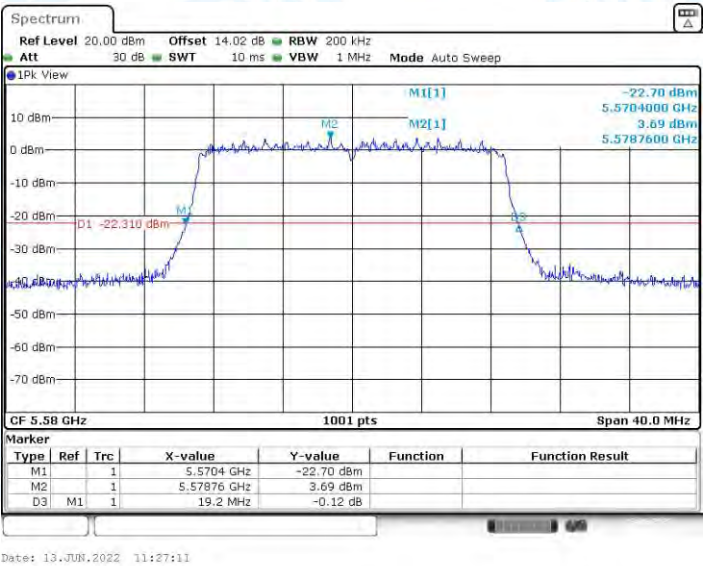


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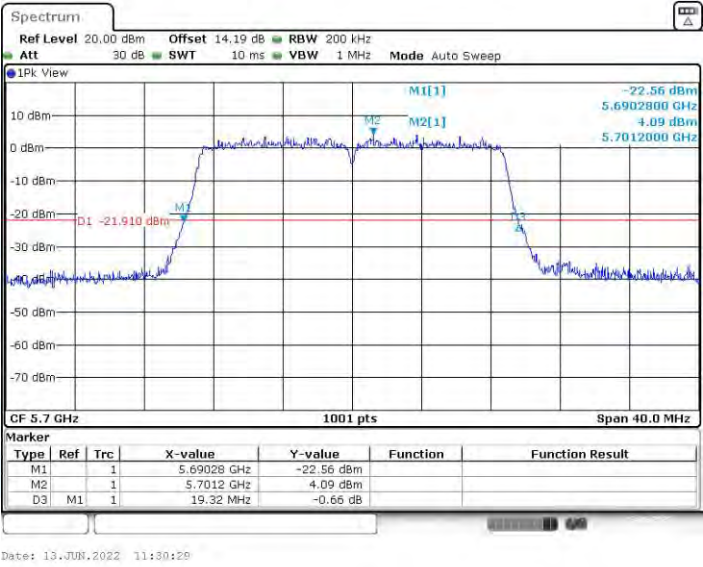


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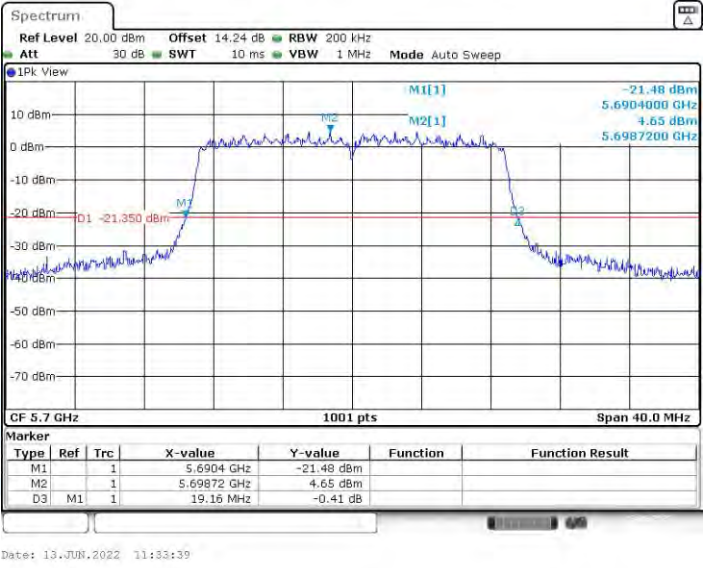




11N20MIMO\_Ant2\_5580

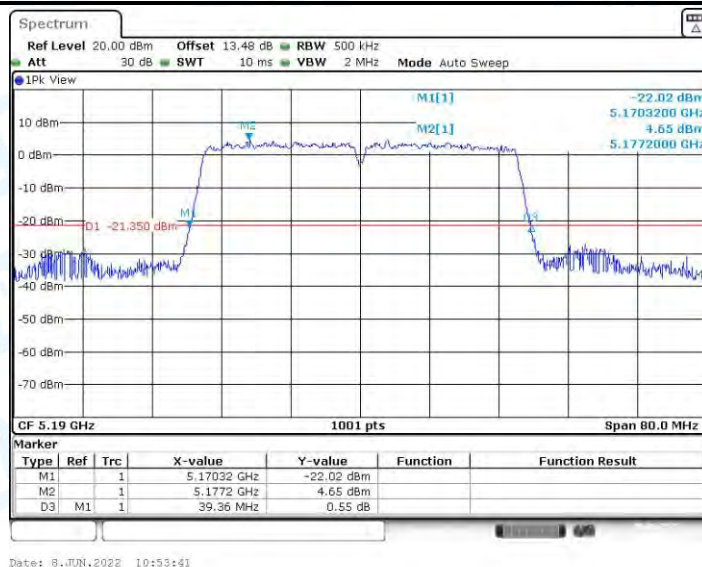


11N20MIMO\_Ant1\_5700

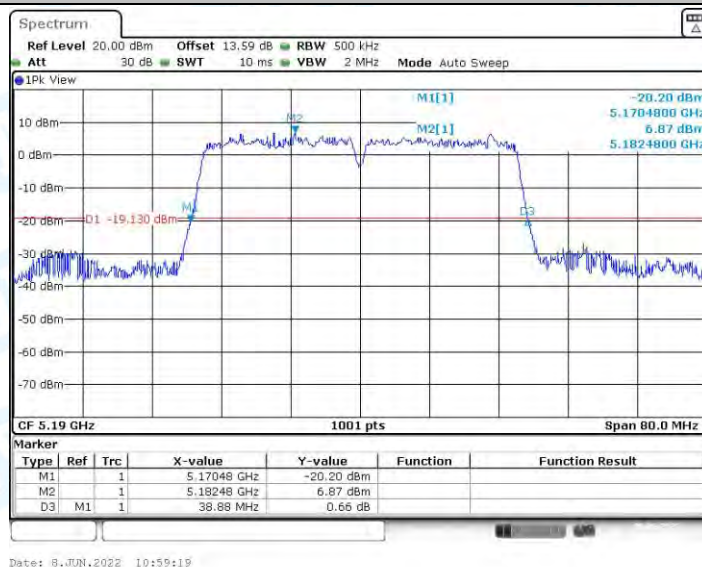


11N20MIMO\_Ant2\_5700

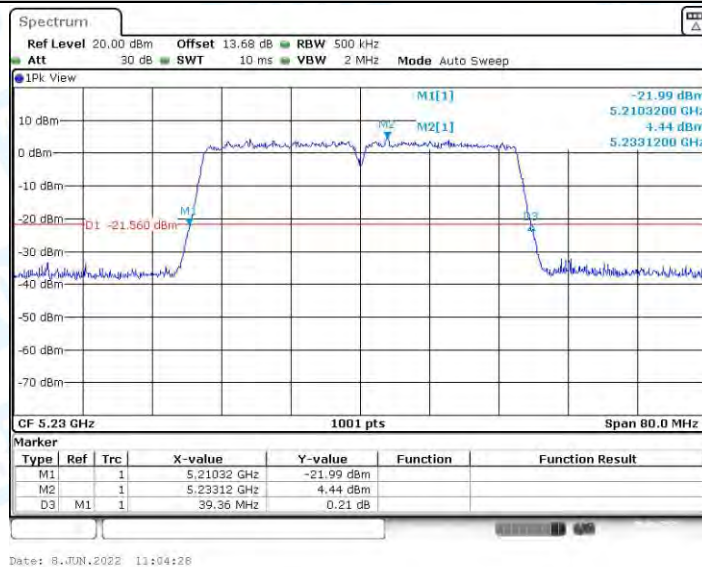




11N40MIMO\_Ant1\_5190

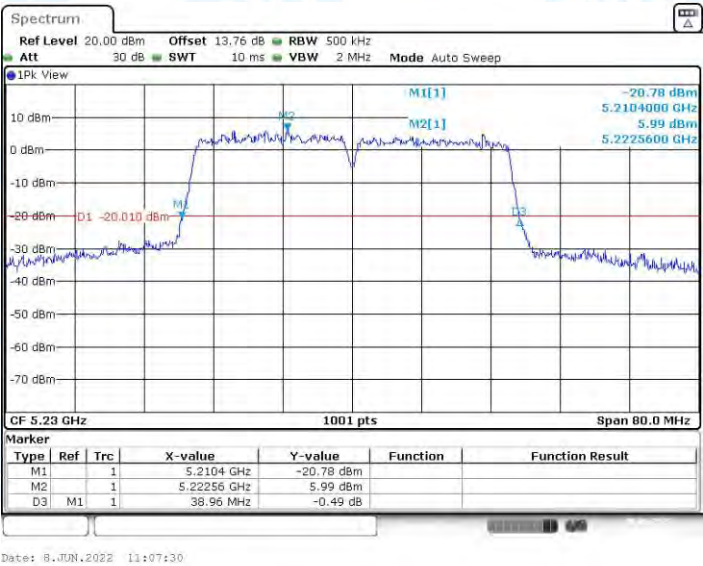


11N40MIMO\_Ant2\_5190

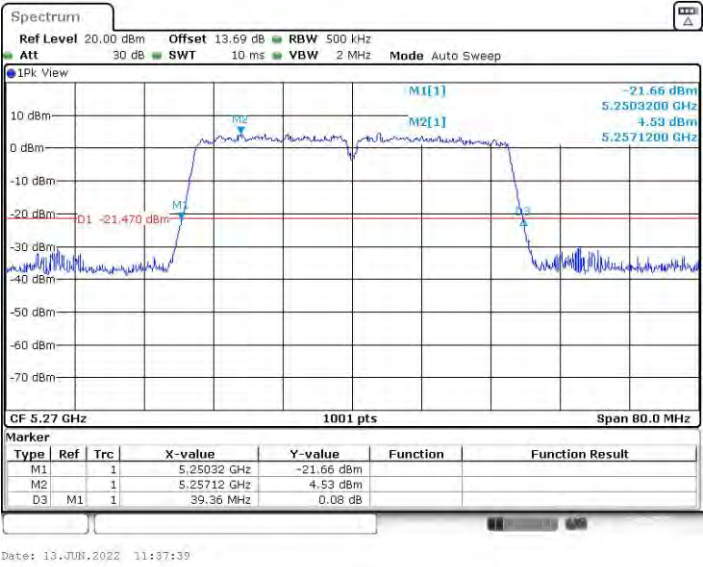


11N40MIMO\_Ant1\_5230

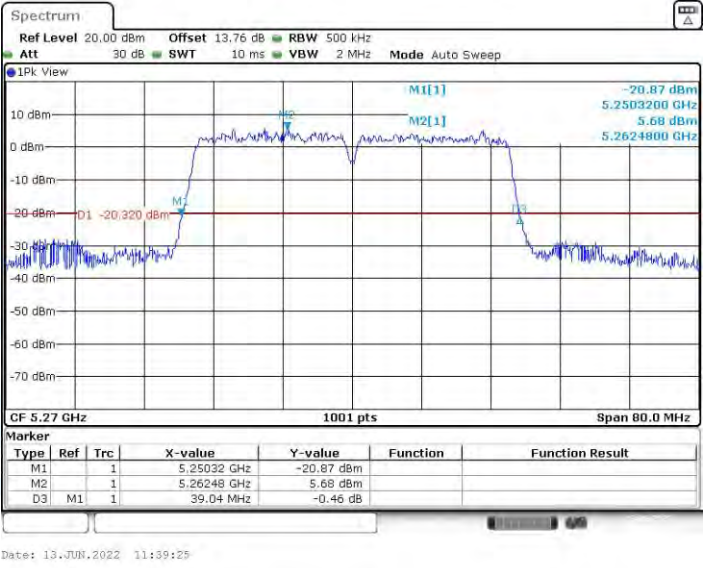




11N40MIMO\_Ant2\_5230

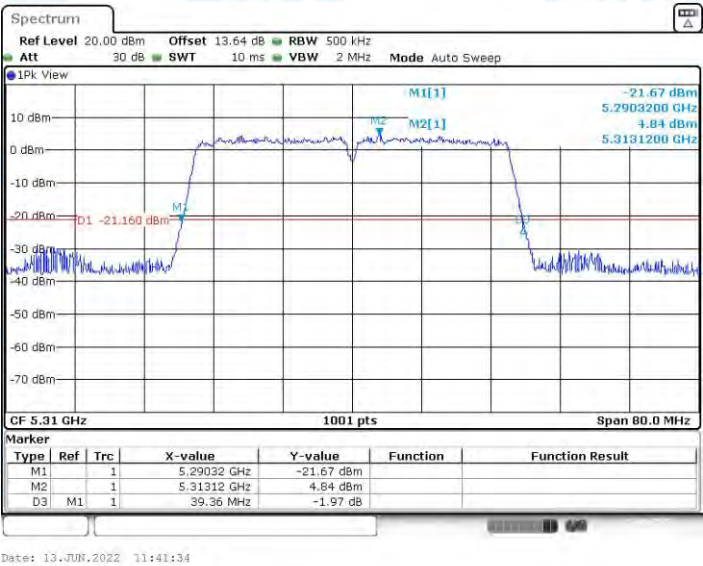


11N40MIMO\_Ant1\_5270

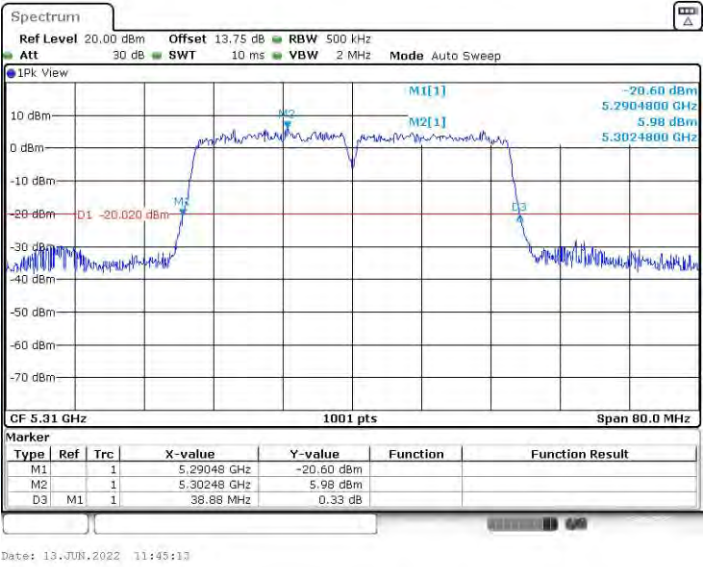


11N40MIMO\_Ant2\_5270

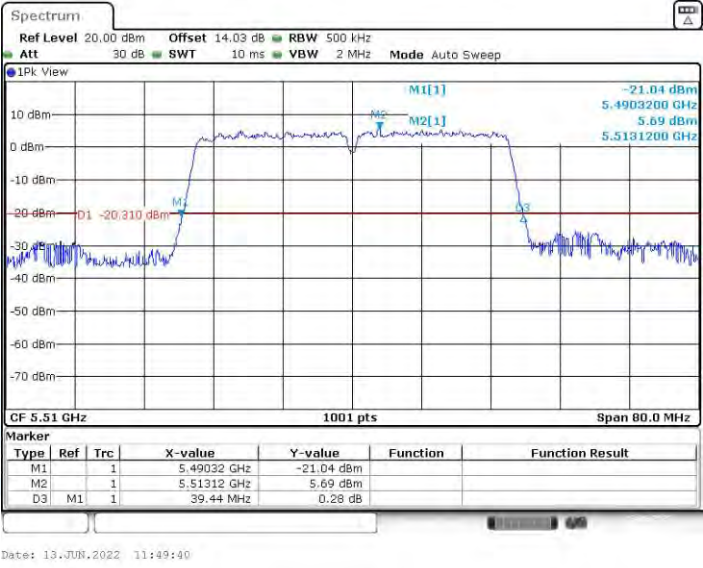




11N40MIMO\_Ant1\_5310

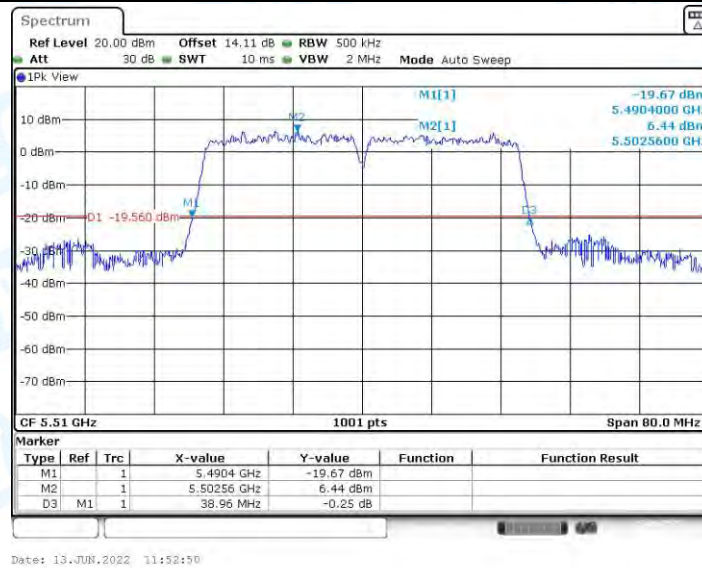


11N40MIMO\_Ant2\_5310

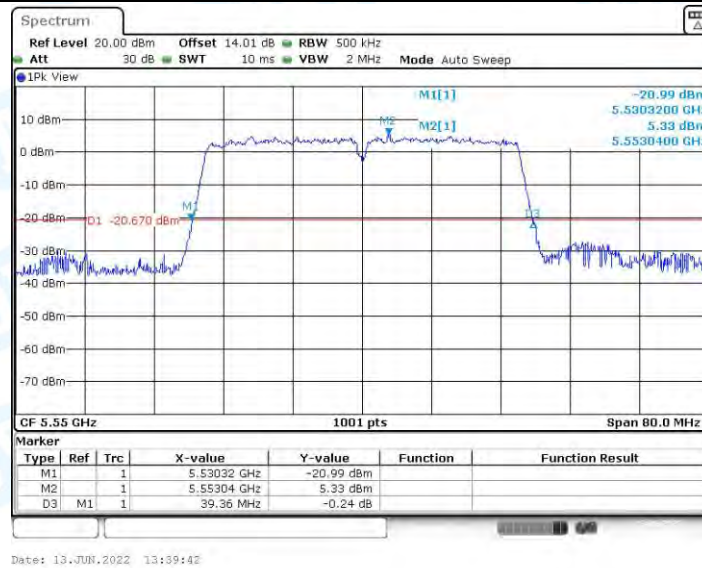


11N40MIMO\_Ant1\_5510

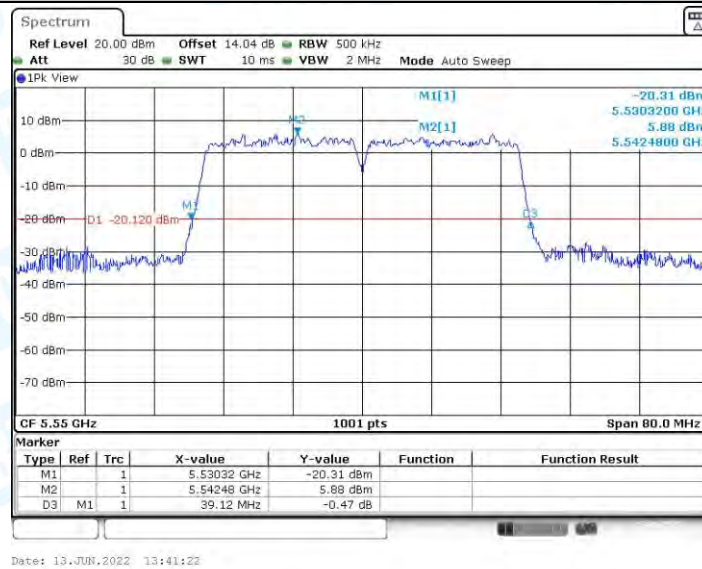




11N40MIMO\_Ant2\_5510

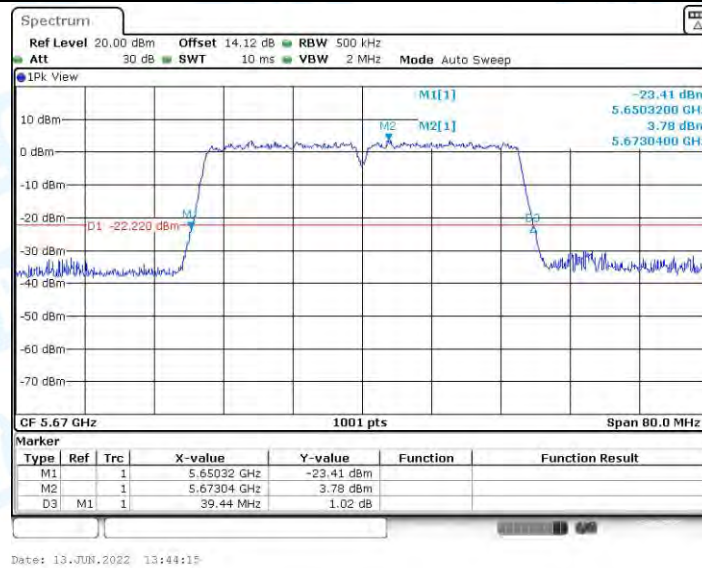


11N40MIMO\_Ant1\_5550

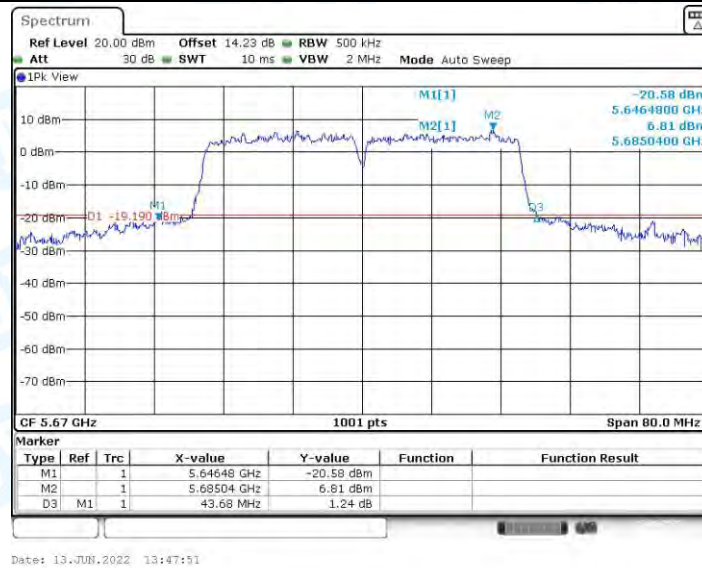


11N40MIMO\_Ant2\_5550

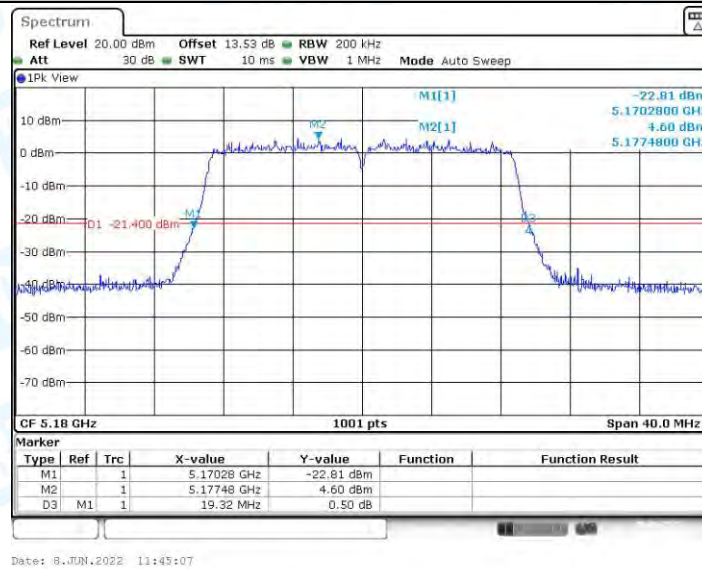




11N40MIMO\_Ant1\_5670

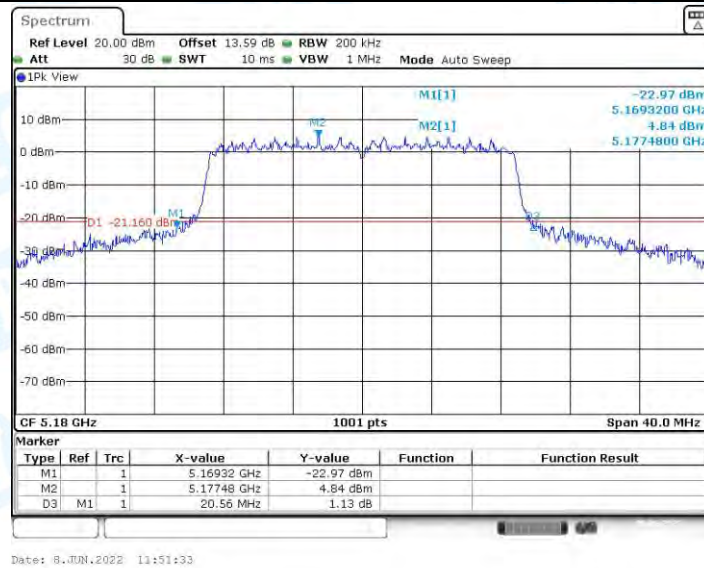


11N40MIMO\_Ant2\_5670

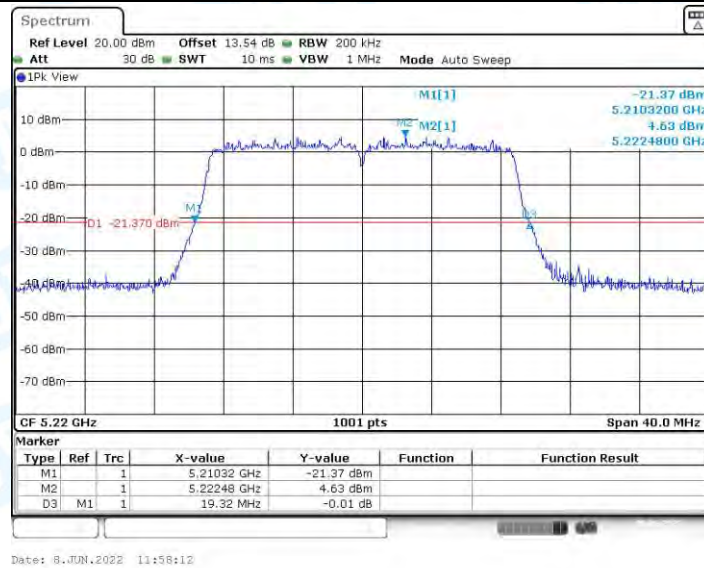


11AC20MIMO\_Ant1\_5180

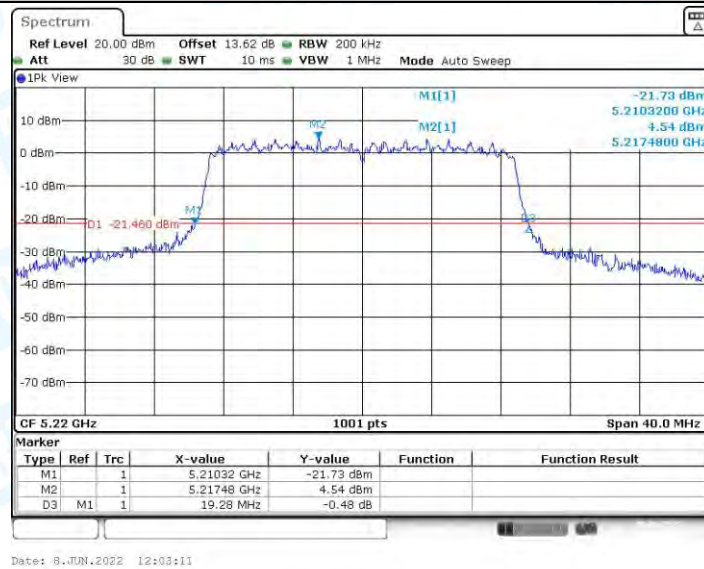




11AC20MIMO\_Ant2\_5180

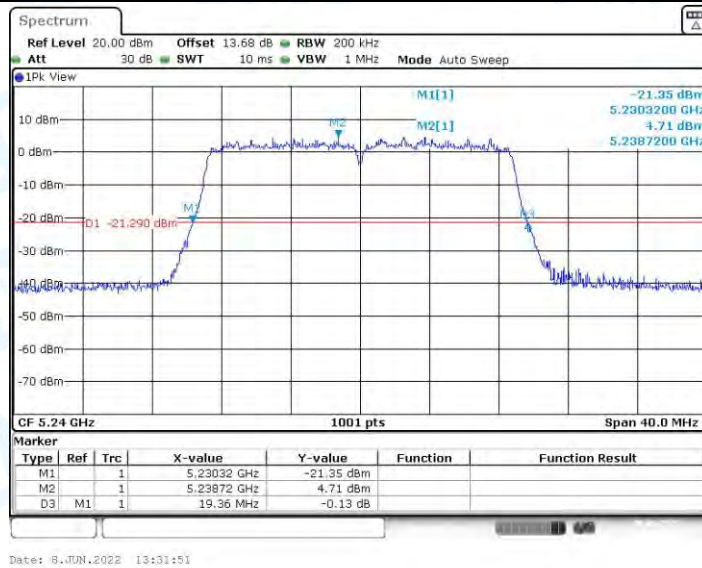


11AC20MIMO\_Ant1\_5220

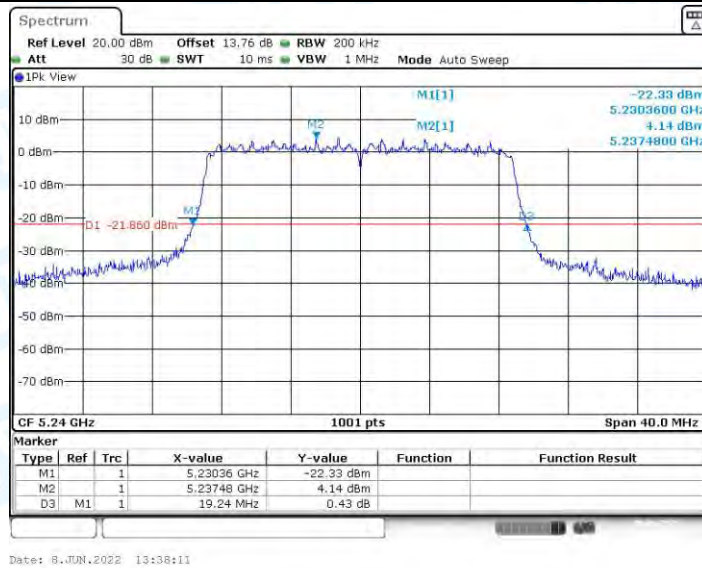


11AC20MIMO\_Ant2\_5220

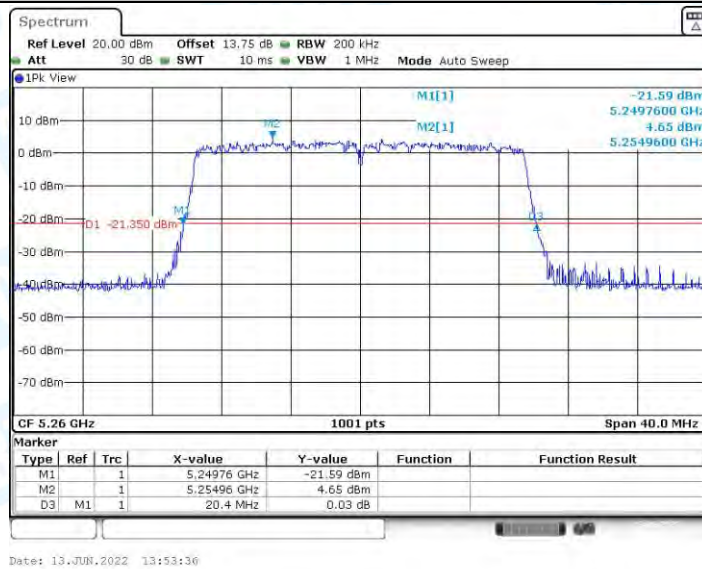




11AC20MIMO\_Ant1\_5240

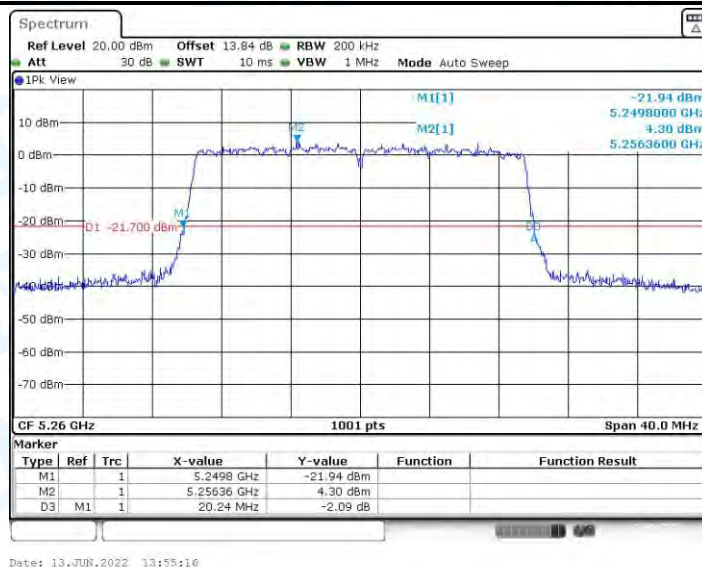


11AC20MIMO\_Ant2\_5240

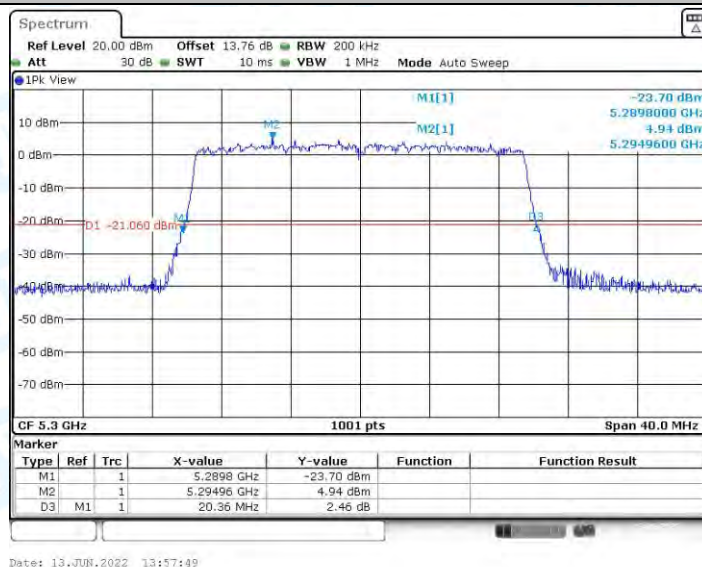


11AC20MIMO\_Ant1\_5260

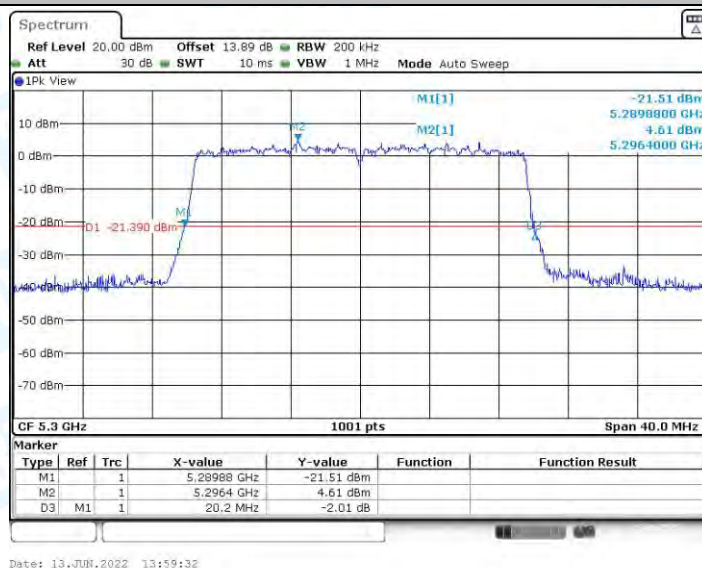




11AC20MIMO\_Ant2\_5260

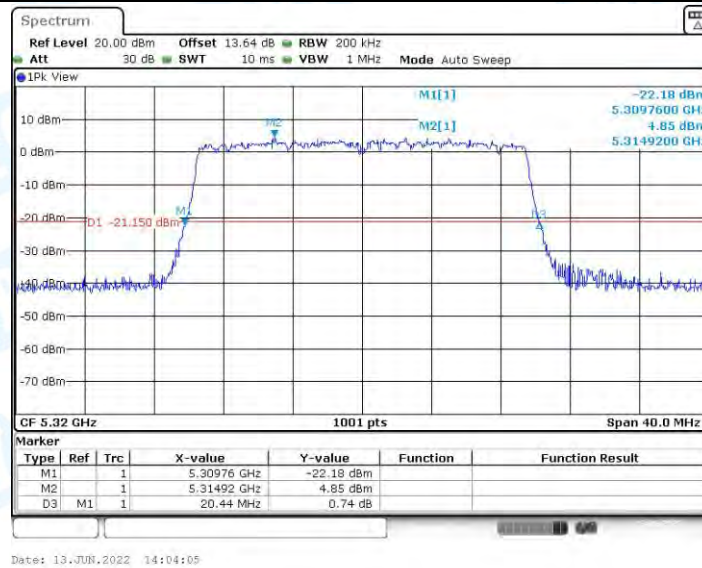


11AC20MIMO\_Ant1\_5300

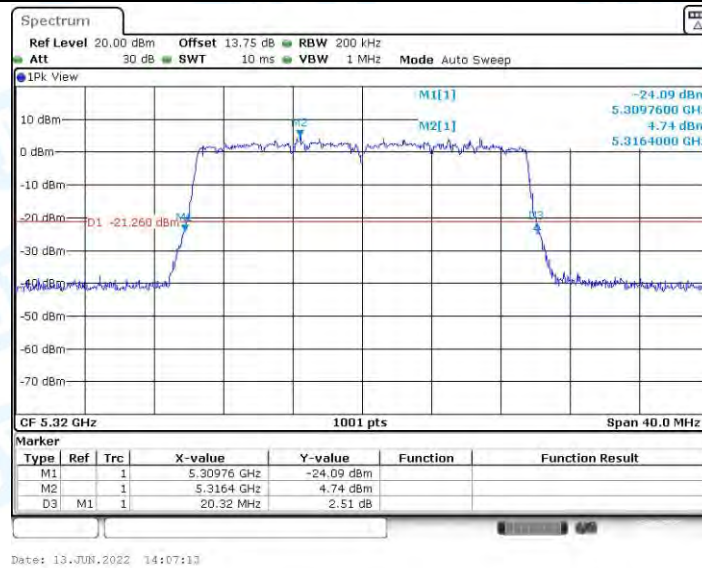


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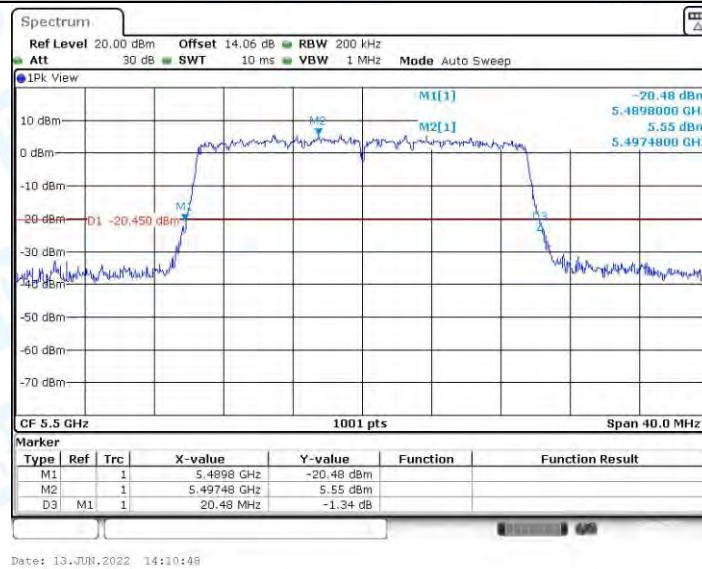




11AC20MIMO\_Ant1\_5320

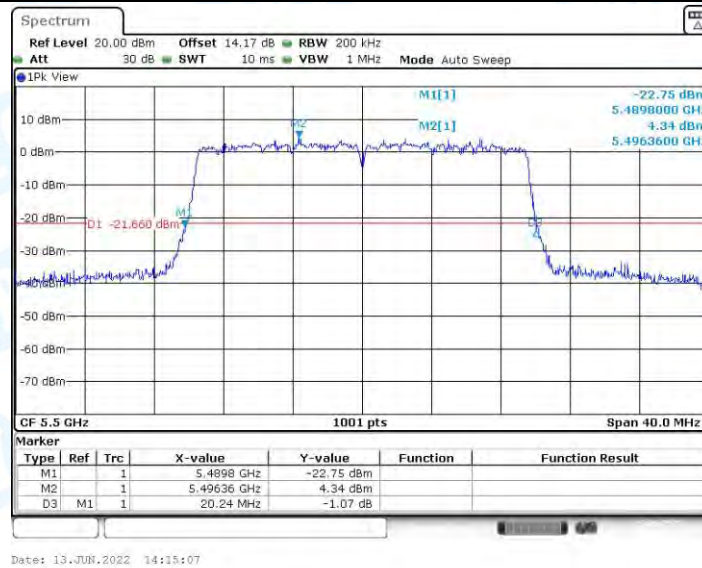


11AC20MIMO\_Ant2\_5320

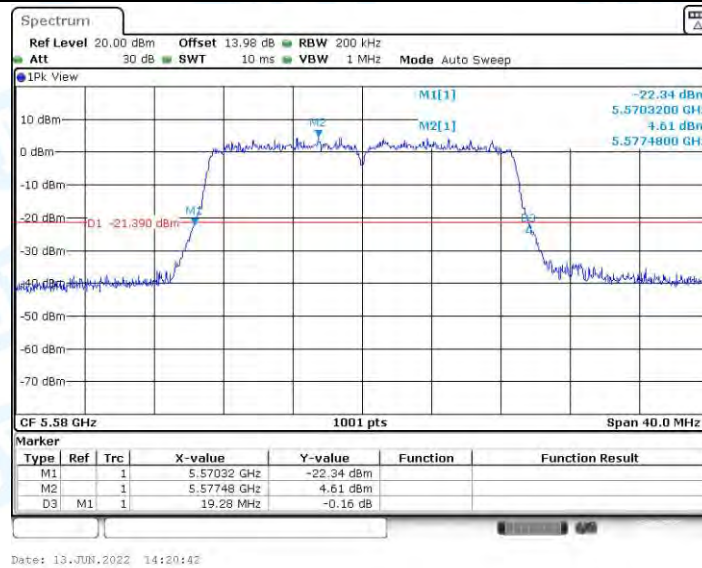


11AC20MIMO\_Ant1\_5500

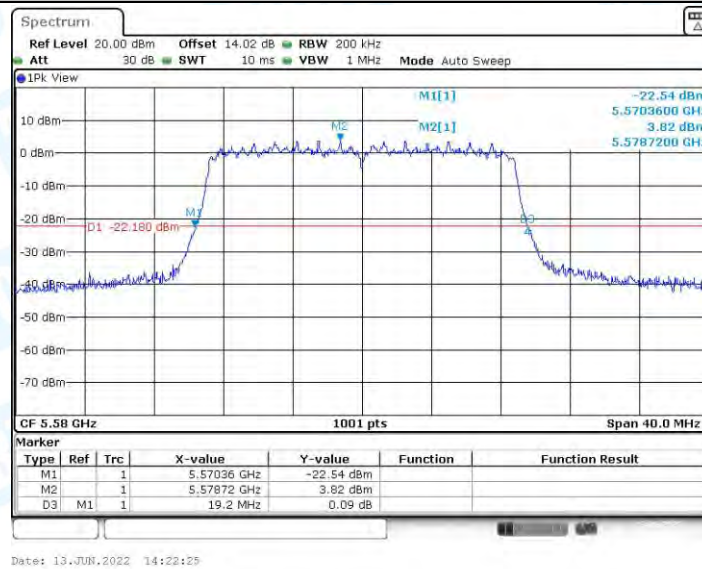




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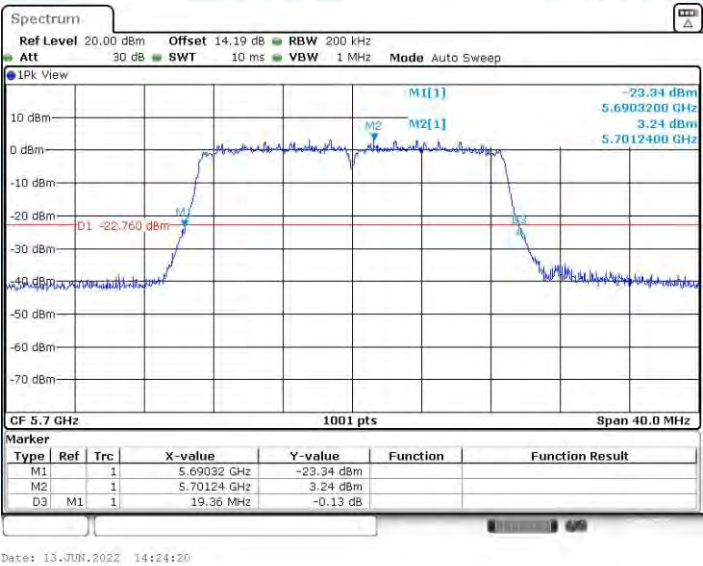


11AC20MIMO\_Ant1\_5580

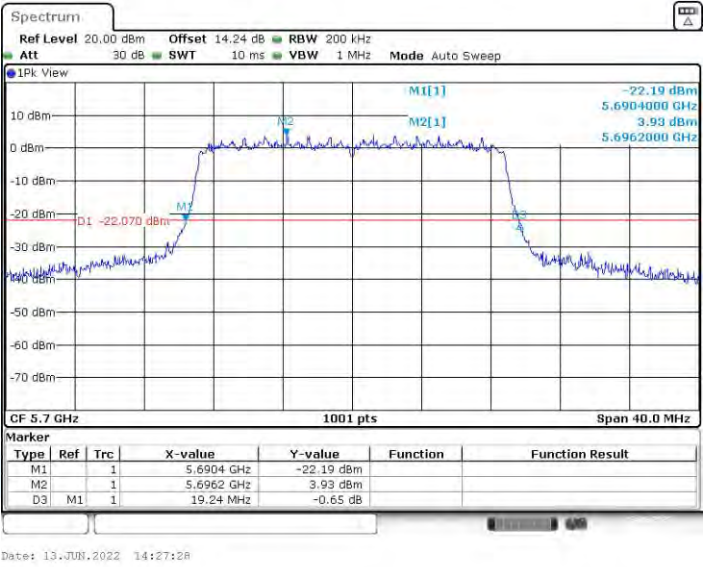


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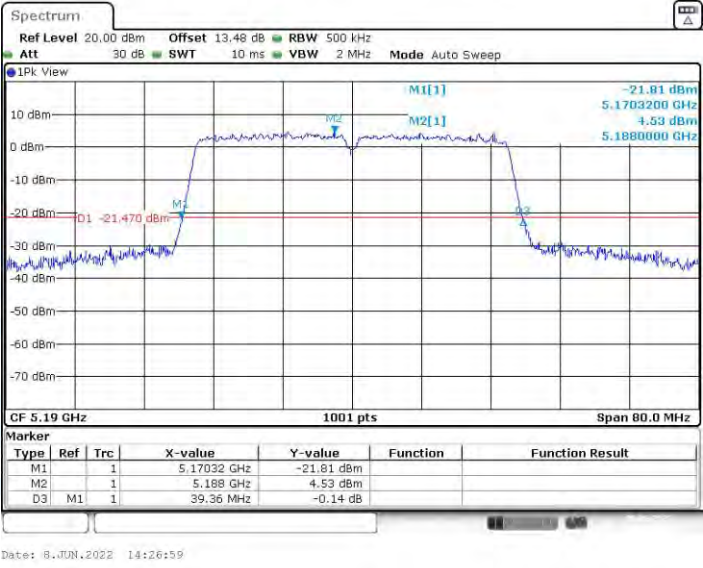




11AC20MIMO\_Ant1\_5700

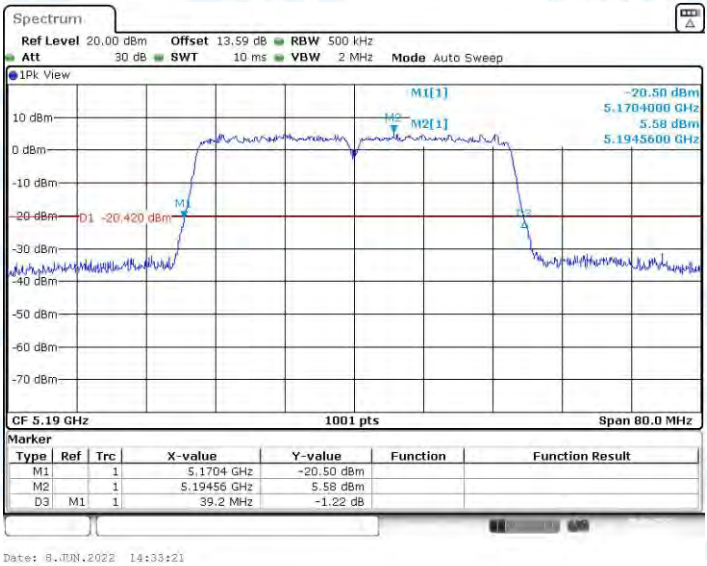


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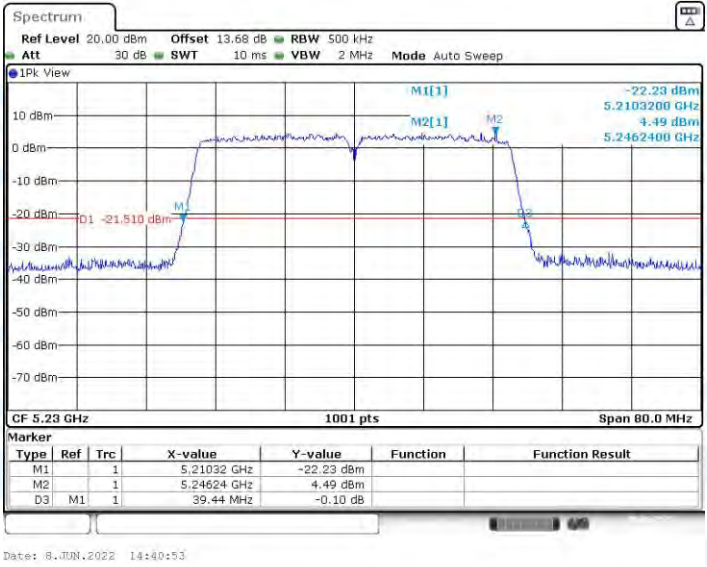


11AC40MIMO\_Ant1\_5190

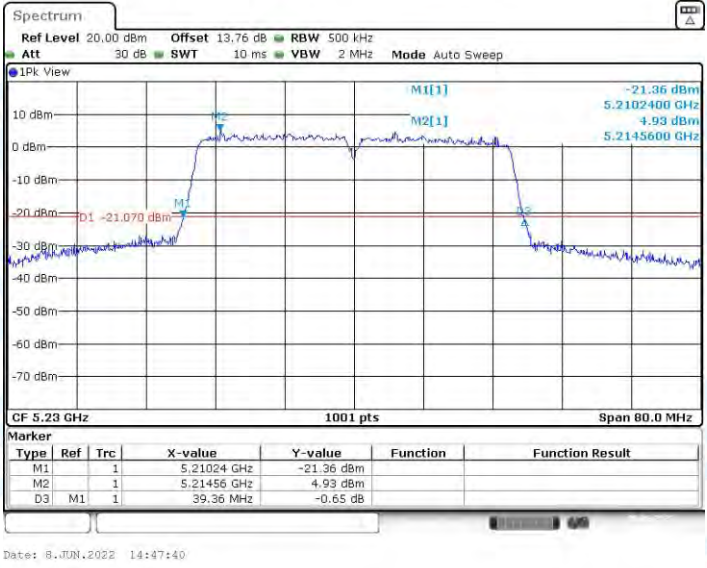




11AC40MIMO\_Ant2\_5190

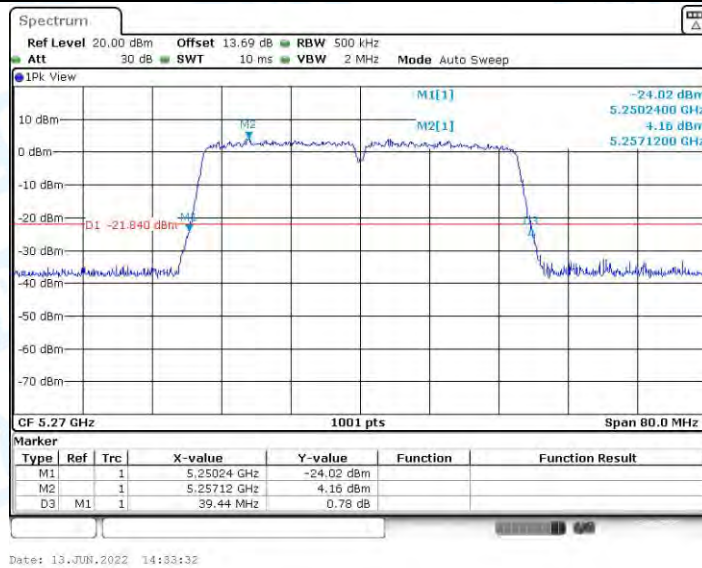


11AC40MIMO\_Ant1\_5230

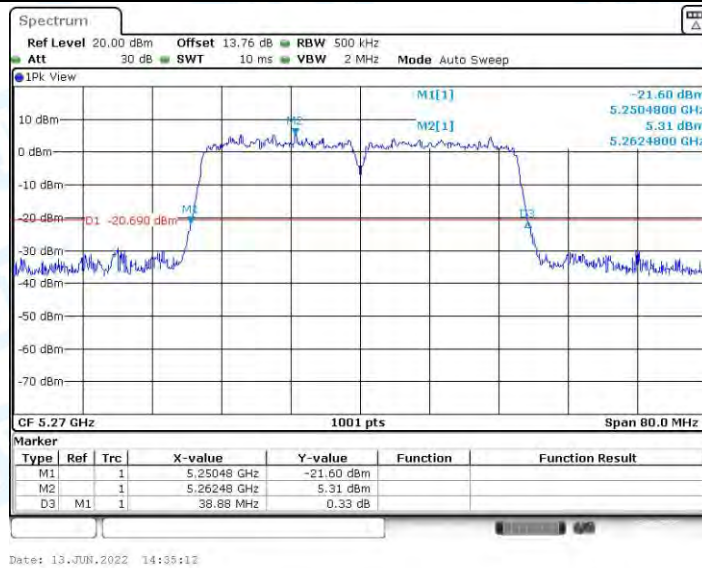


11AC40MIMO\_Ant2\_5230

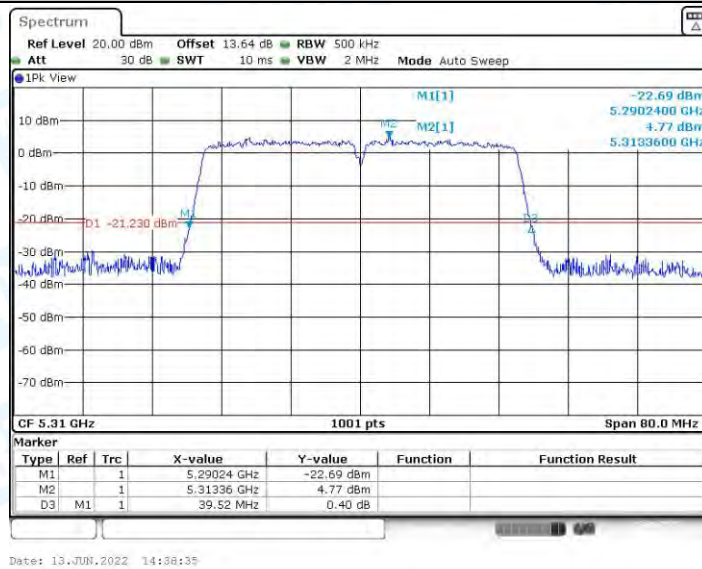




11AC40MIMO\_Ant1\_5270

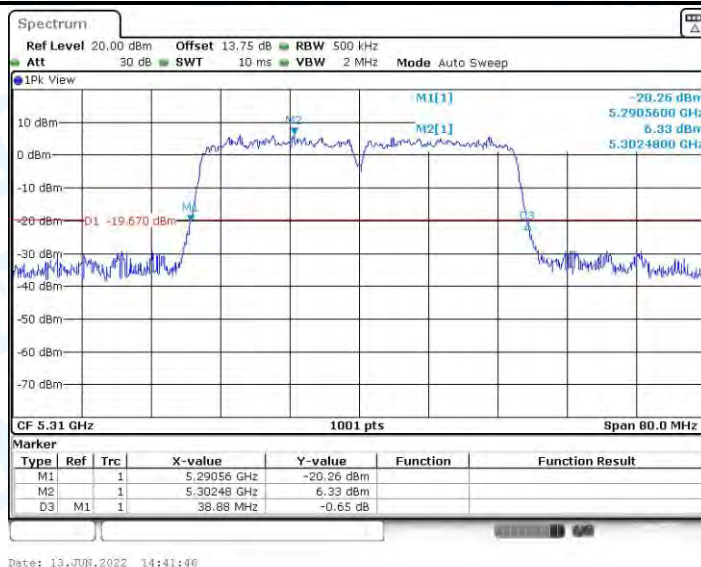


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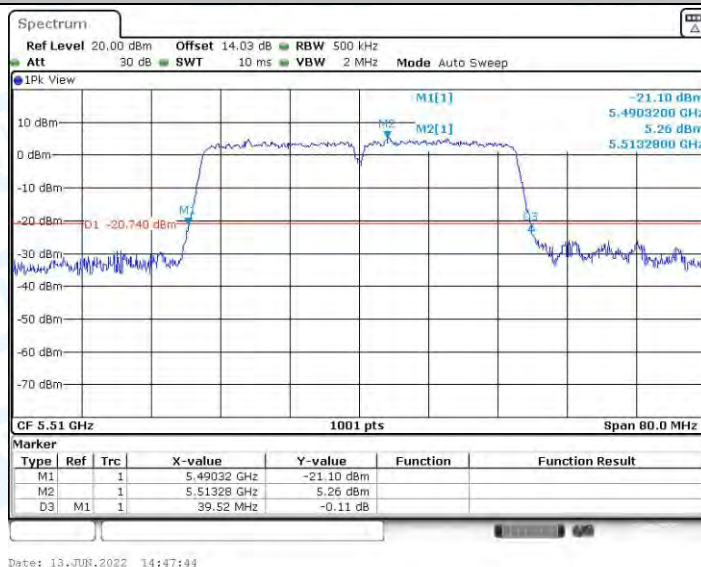


11AC40MIMO\_Ant1\_5310

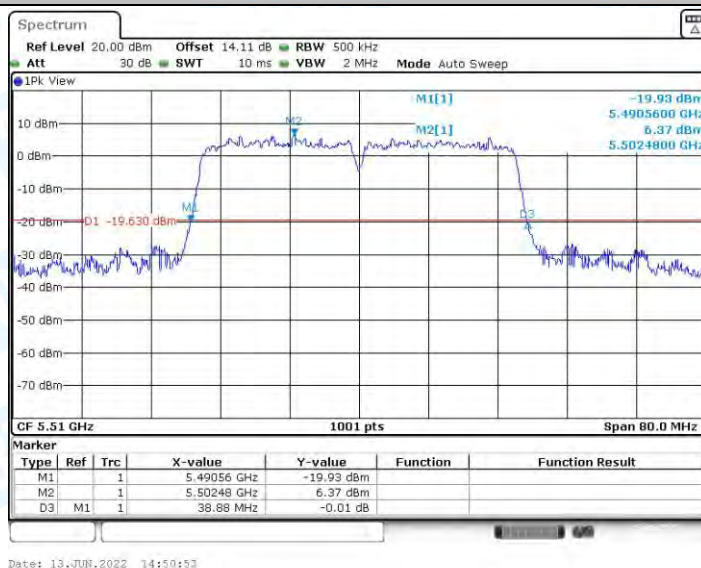




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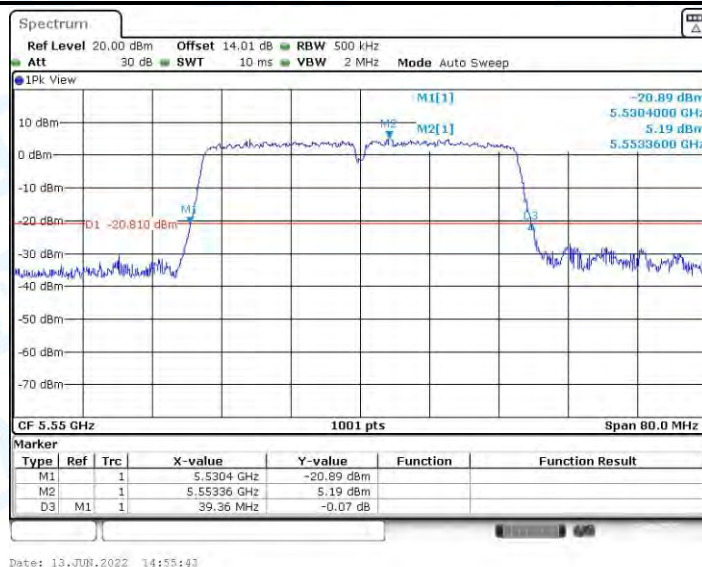


11AC40MIMO\_Ant1\_5510

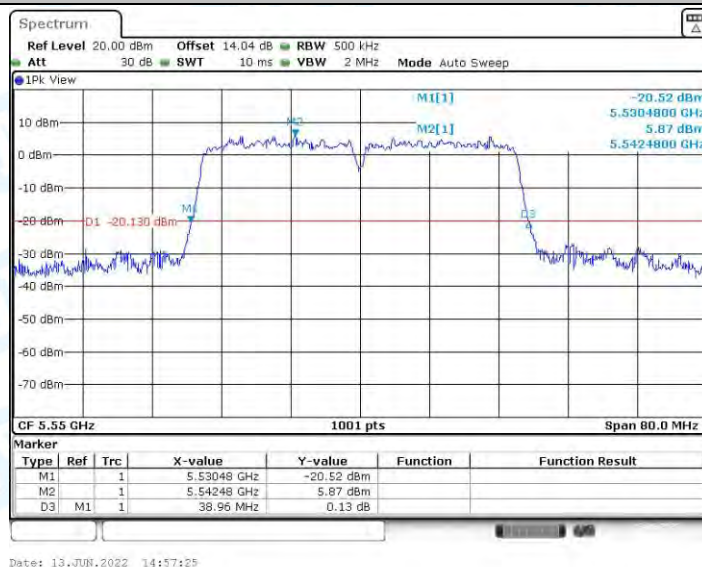


11AC40MIMO\_Ant2\_5510

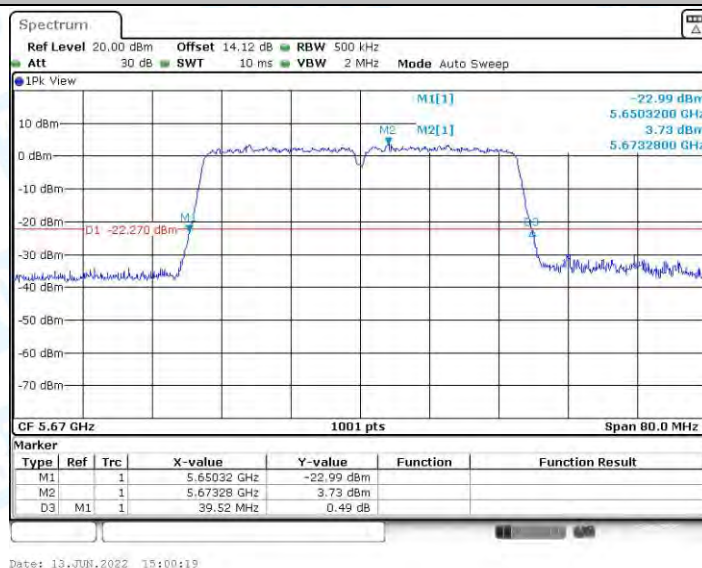




11AC40MIMO\_Ant1\_5550

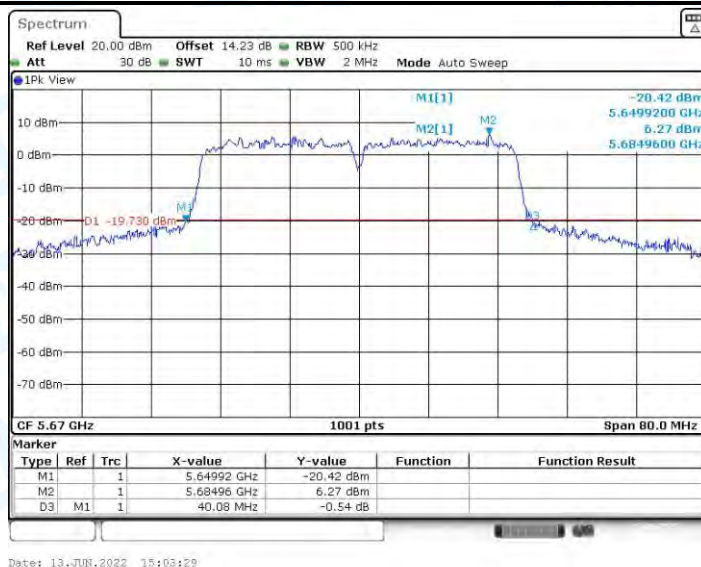


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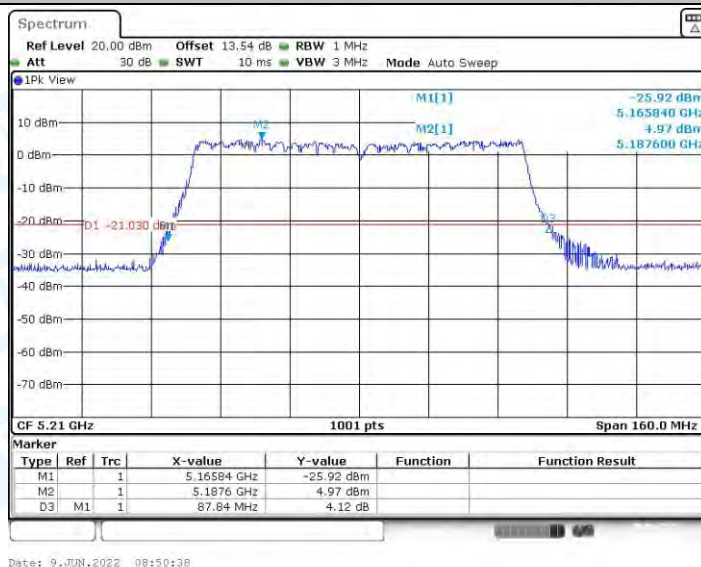


11AC40MIMO\_Ant1\_5670

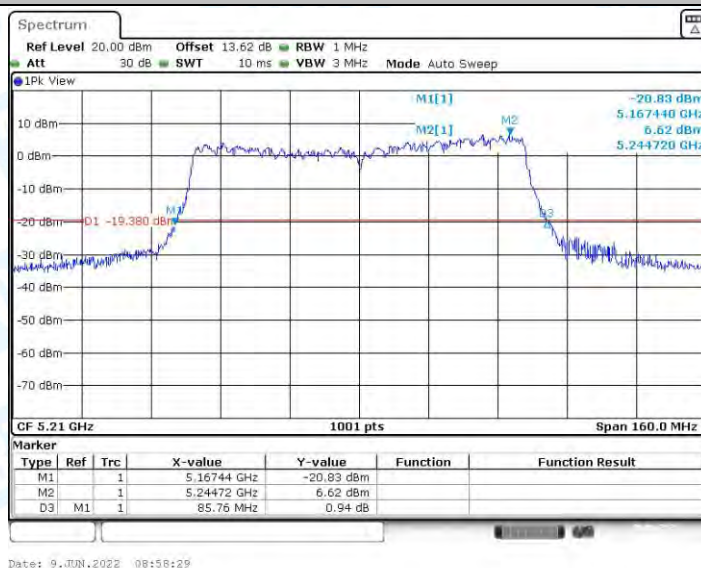




11AC40MIMO\_Ant2\_5670

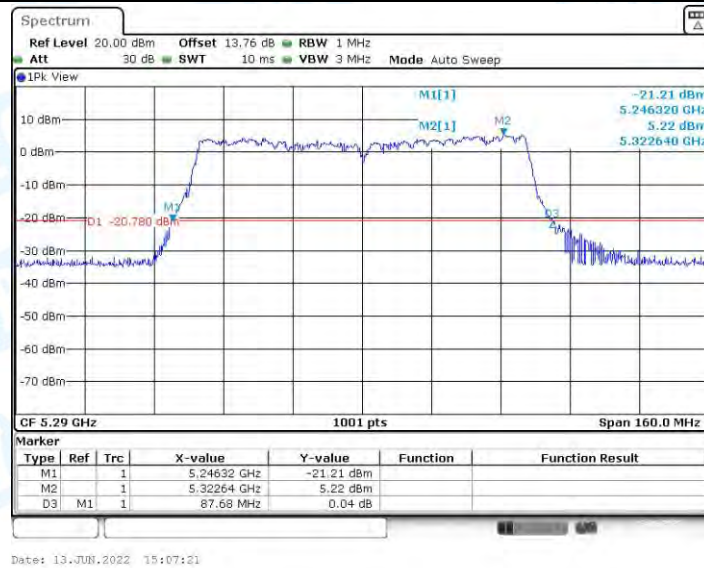


11AC80MIMO\_Ant1\_5210

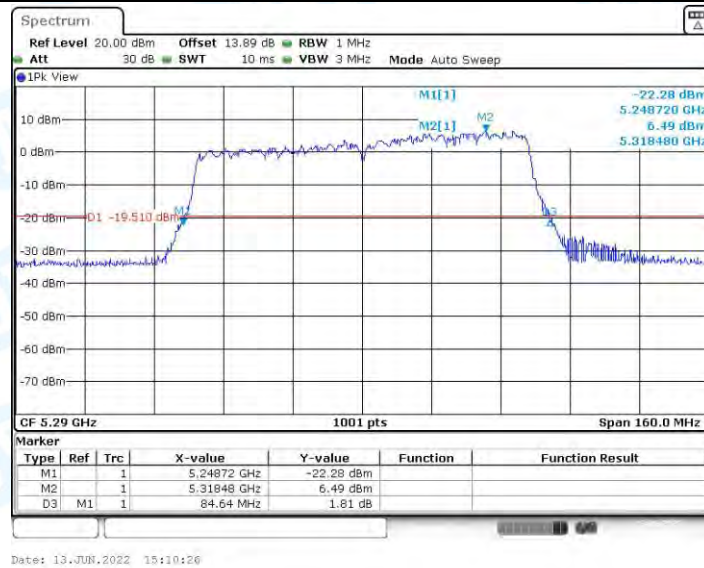


11AC80MIMO\_Ant2\_5210

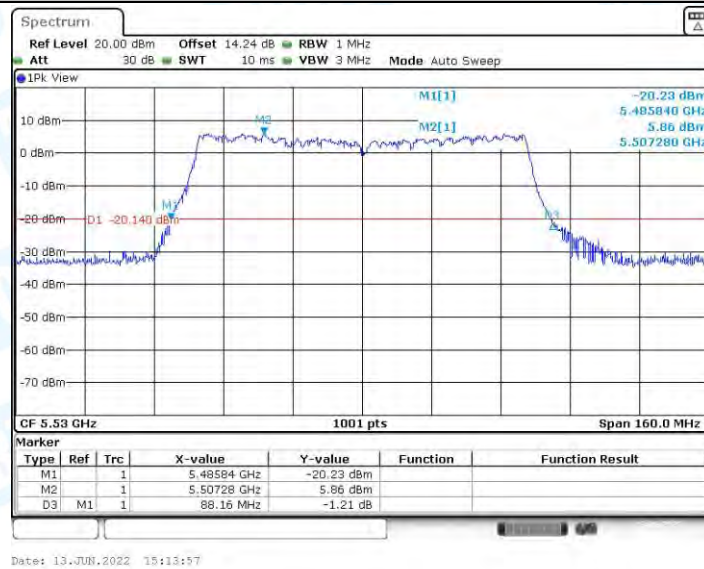




11AC80MIMO\_Ant1\_5290

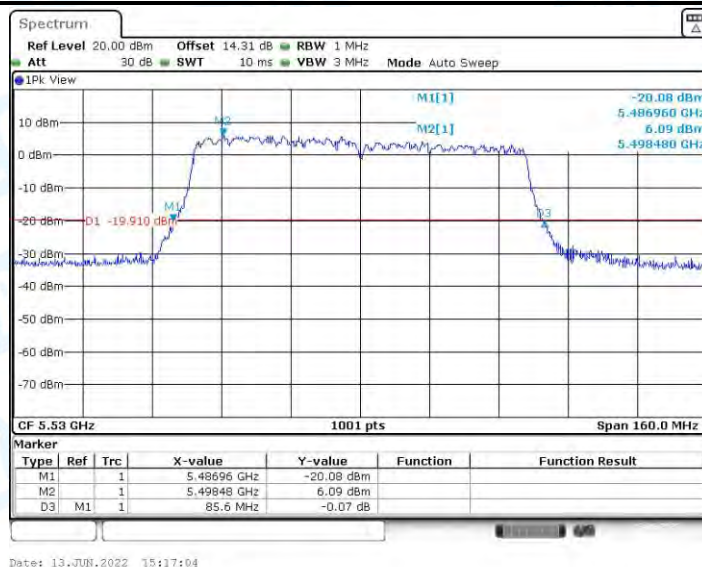


11AC80MIMO\_Ant2\_5290

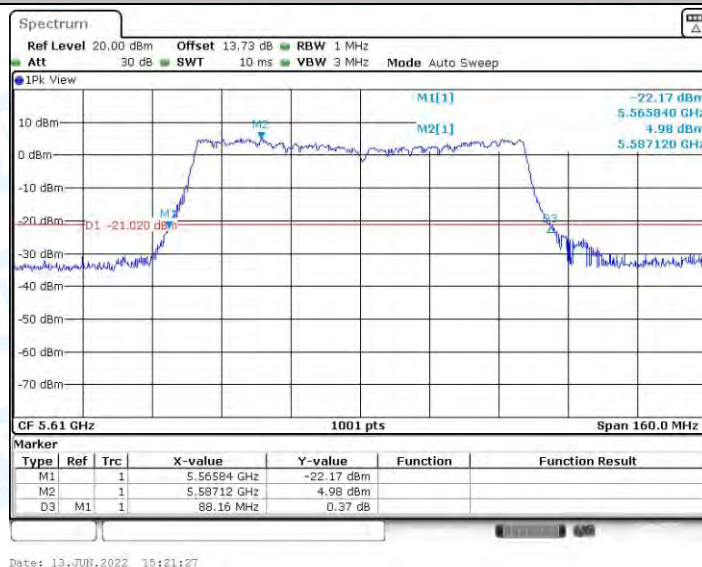


11AC80MIMO\_Ant1\_5530

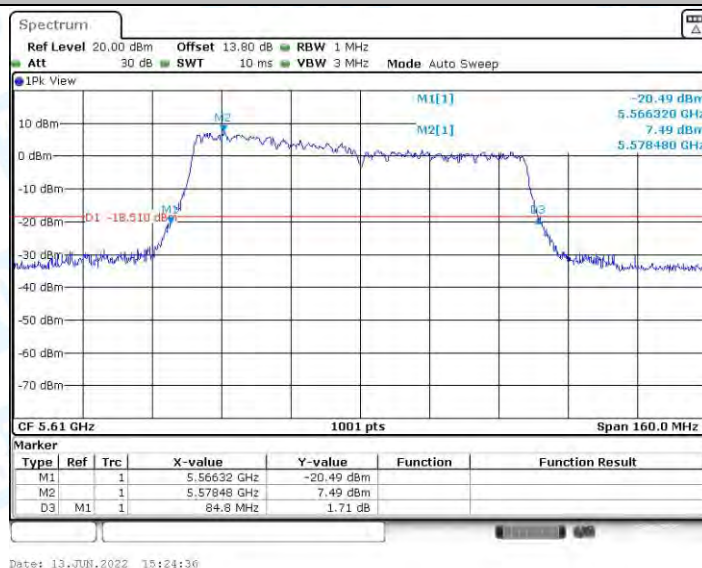




11AC80MIMO\_Ant2\_5530

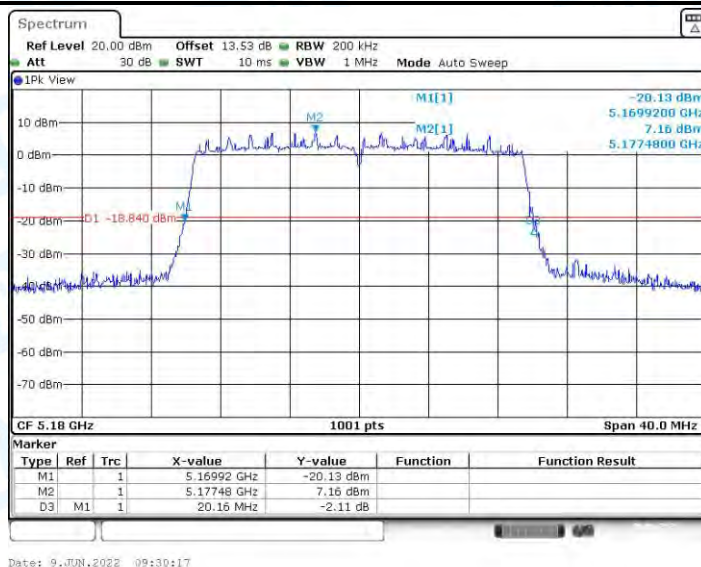


11AC80MIMO\_Ant1\_5610

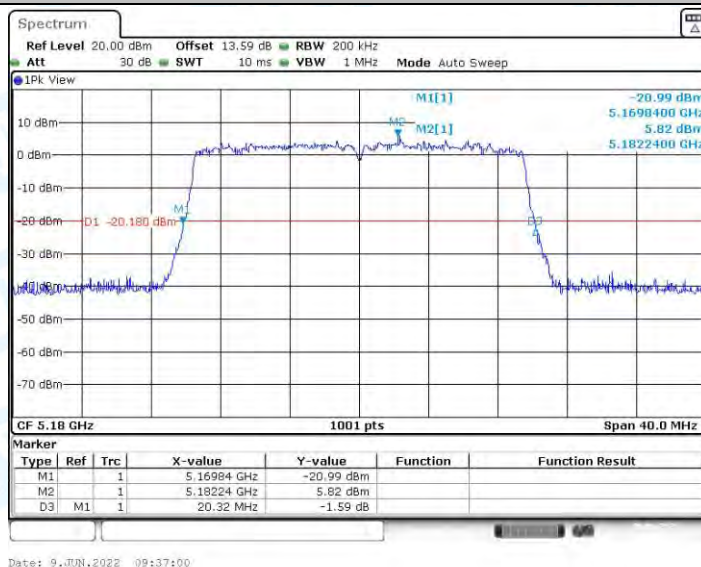


11AC80MIMO\_Ant2\_5610

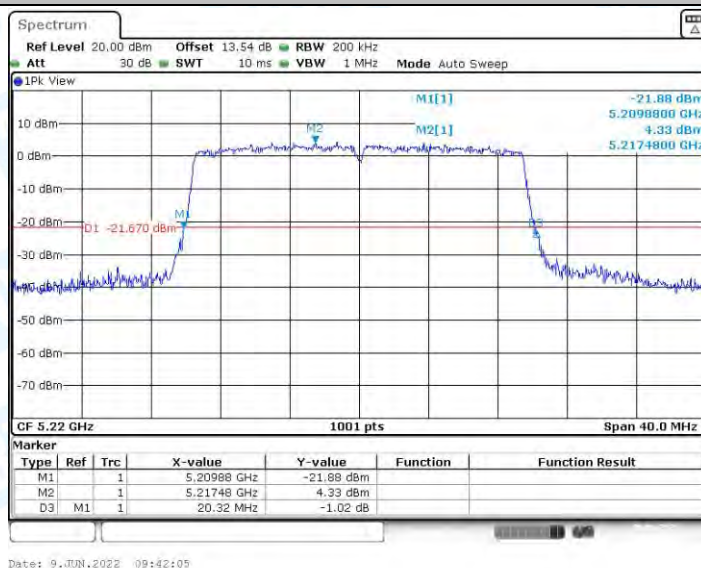




11AX20MIMO\_Ant1\_5180

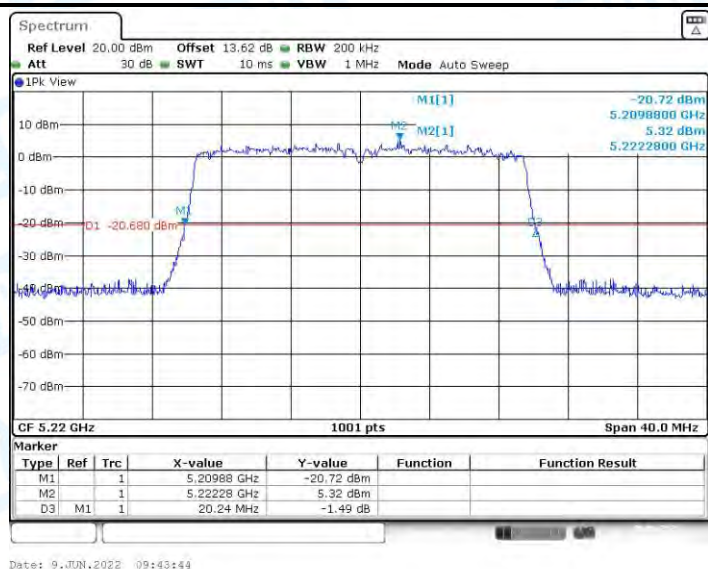


11AX20MIMO\_Ant2\_5180

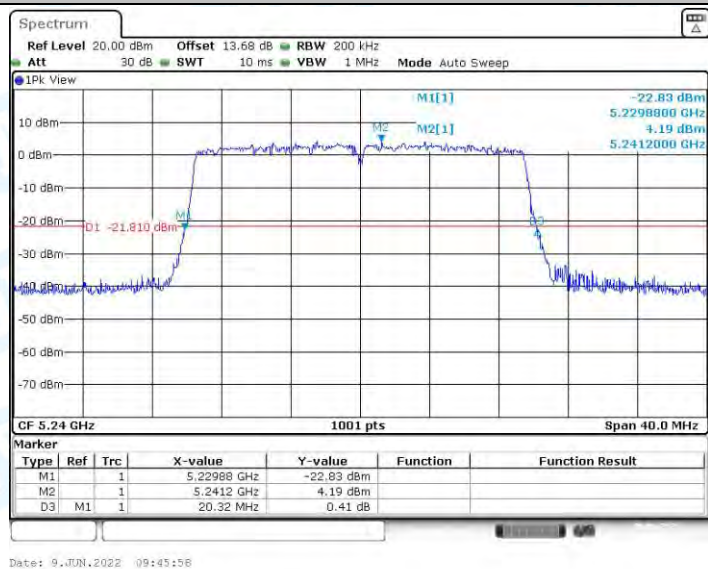


11AX20MIMO\_Ant1\_5220

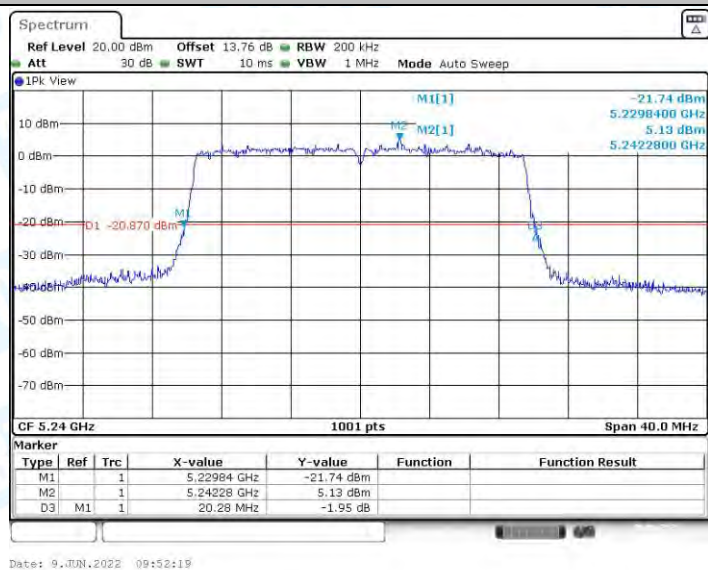




11AX20MIMO\_Ant2\_5220

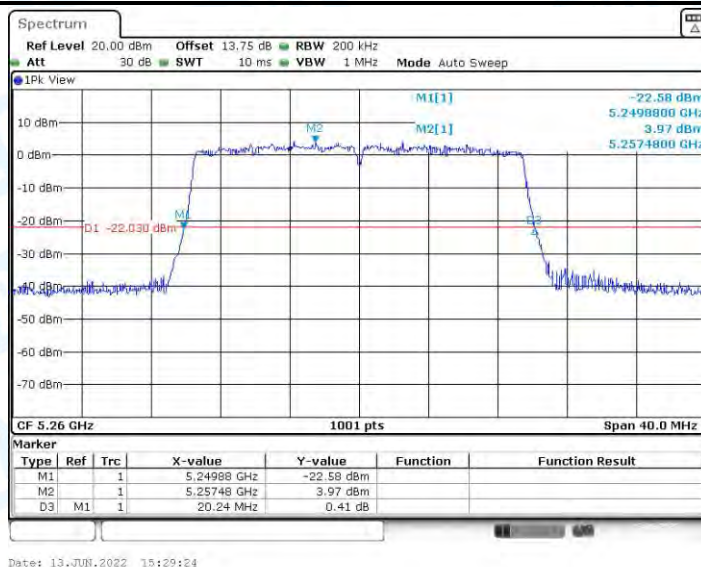


11AX20MIMO\_Ant1\_5240

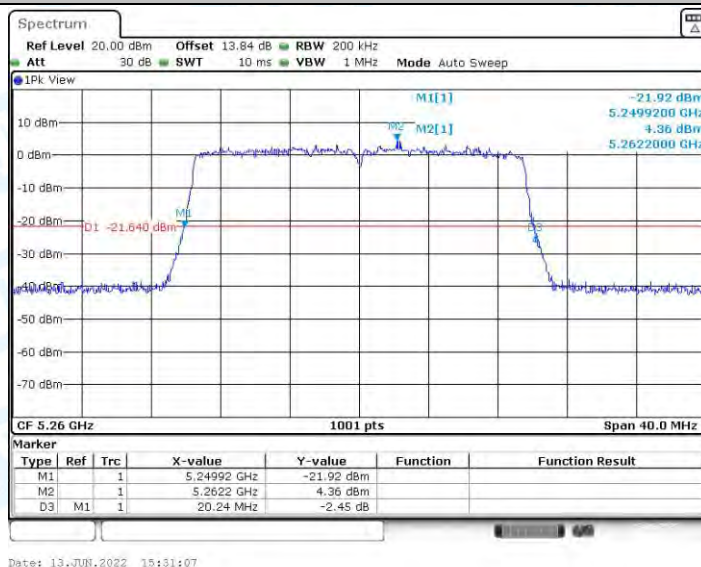


11AX20MIMO\_Ant2\_5240

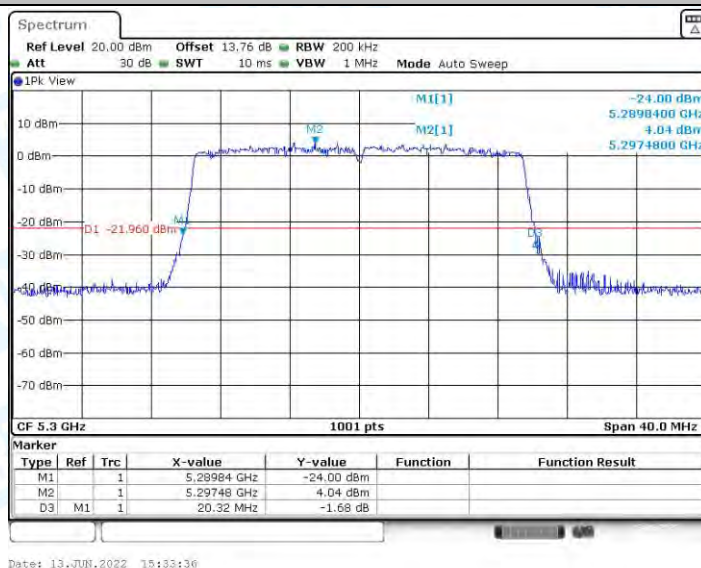




11AX20MIMO\_Ant1\_5260

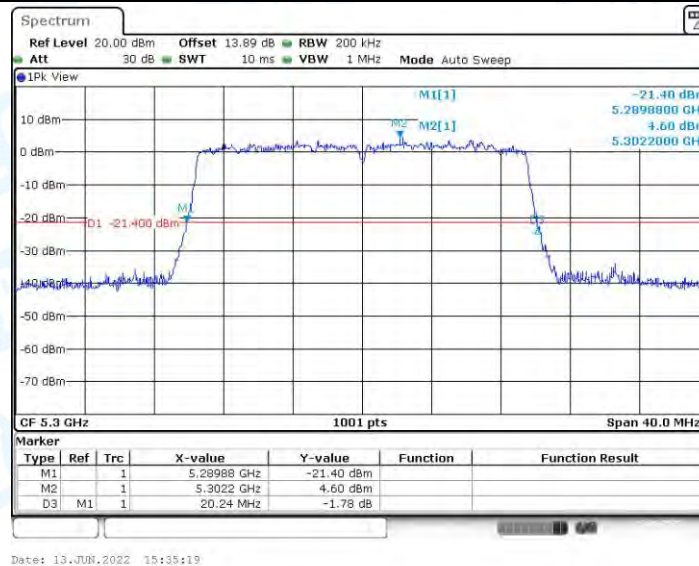


11AX20MIMO\_Ant2\_5260

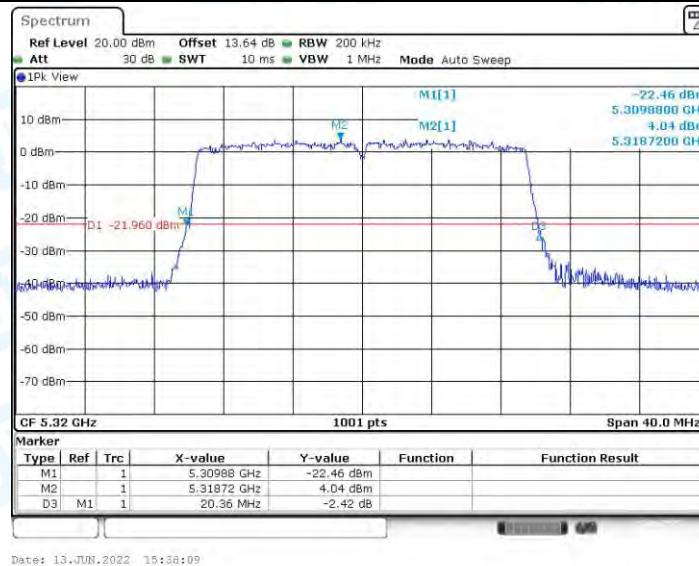


11AX20MIMO\_Ant1\_5300

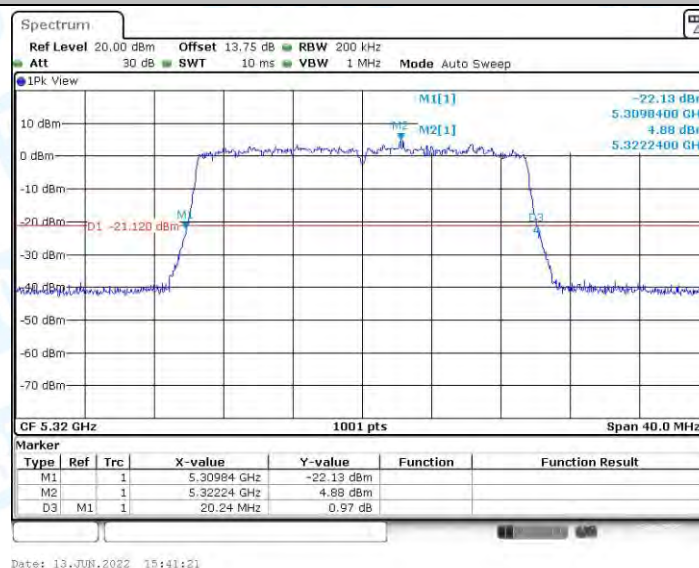




11AX20MIMO\_Ant2\_5300

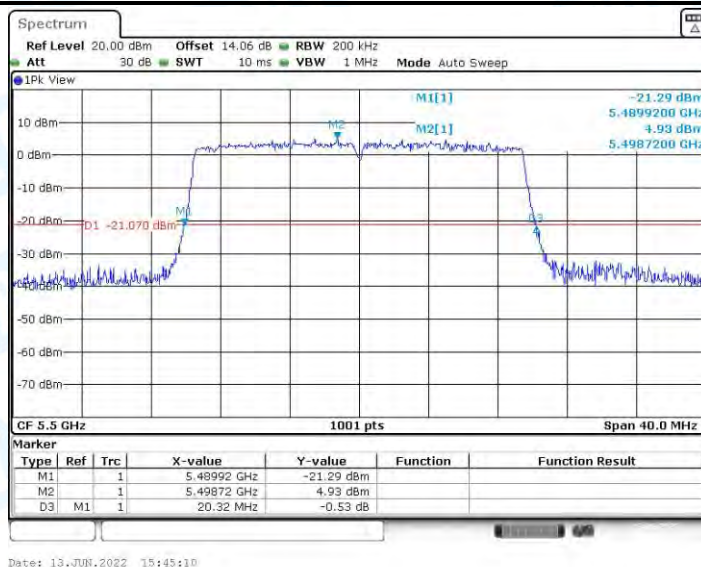


11AX20MIMO\_Ant1\_5320

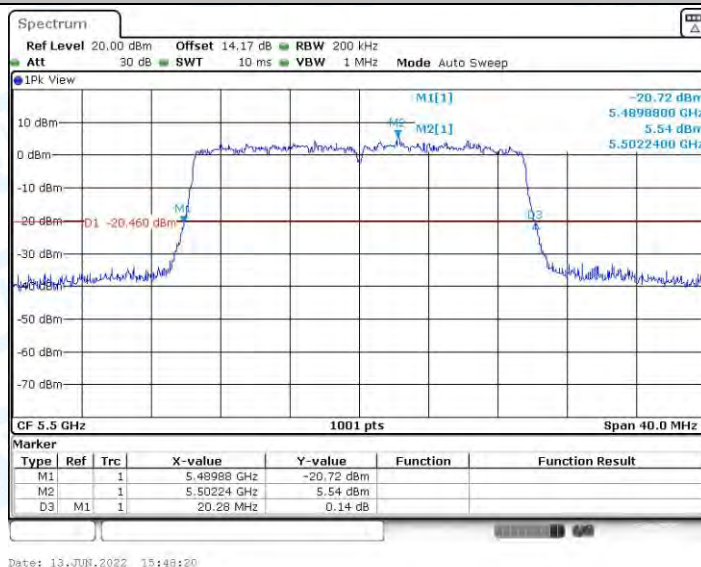


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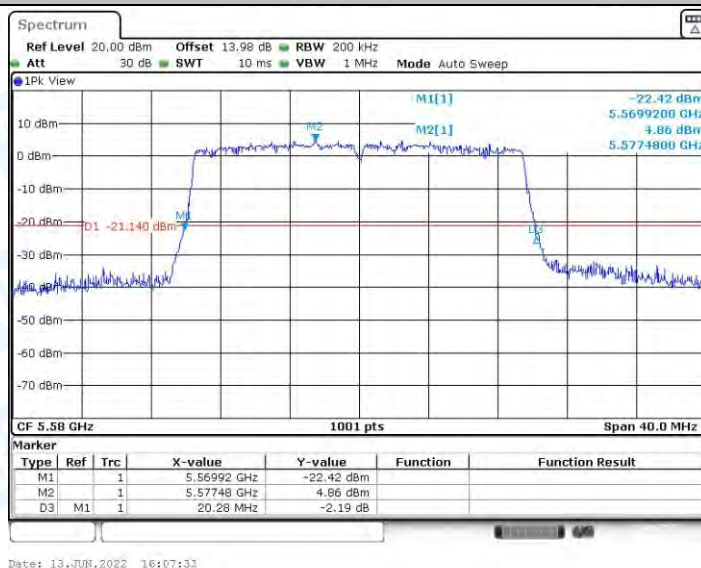




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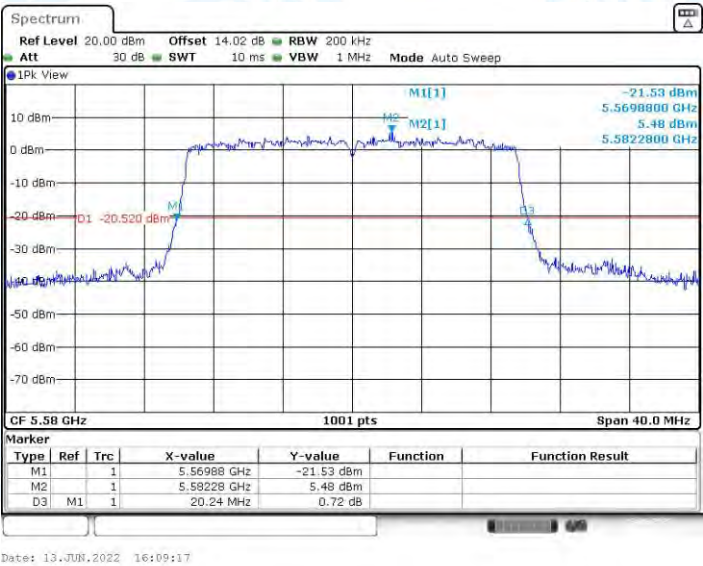


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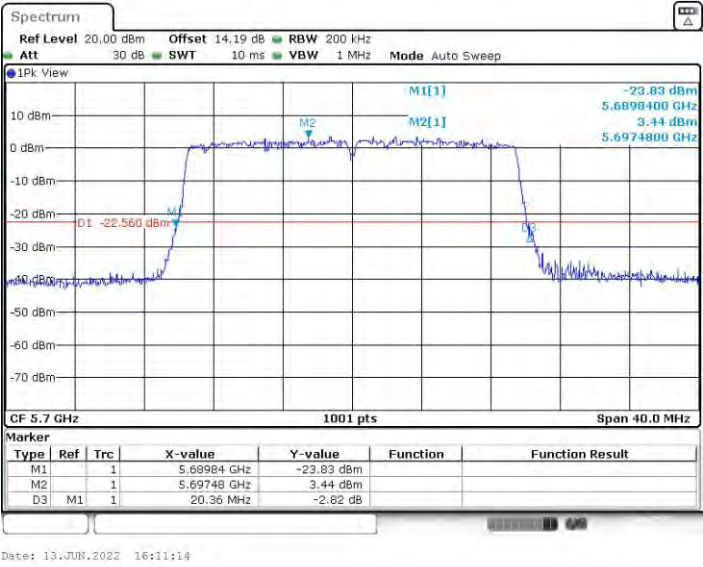


11AX20MIMO\_Ant1\_5580

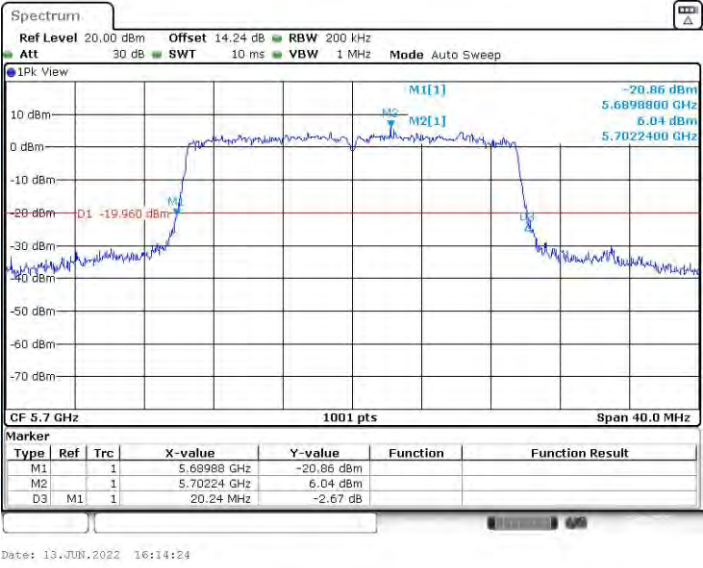




11AX20MIMO\_Ant2\_5580

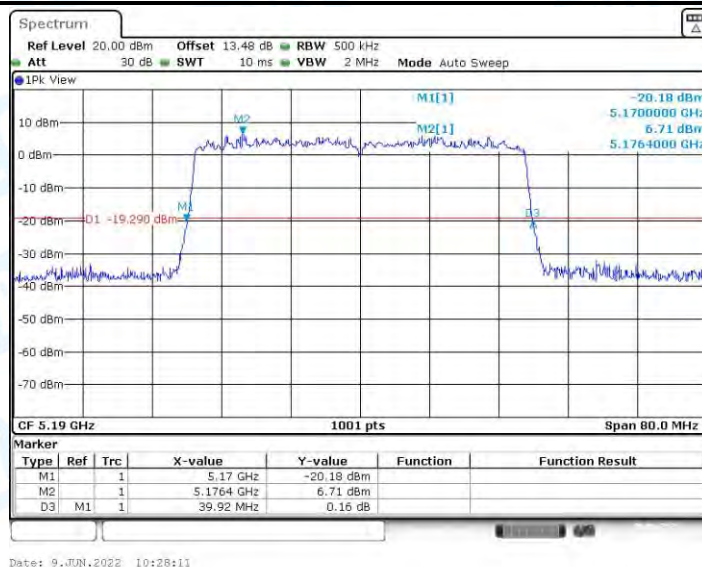


11AX20MIMO\_Ant1\_5700

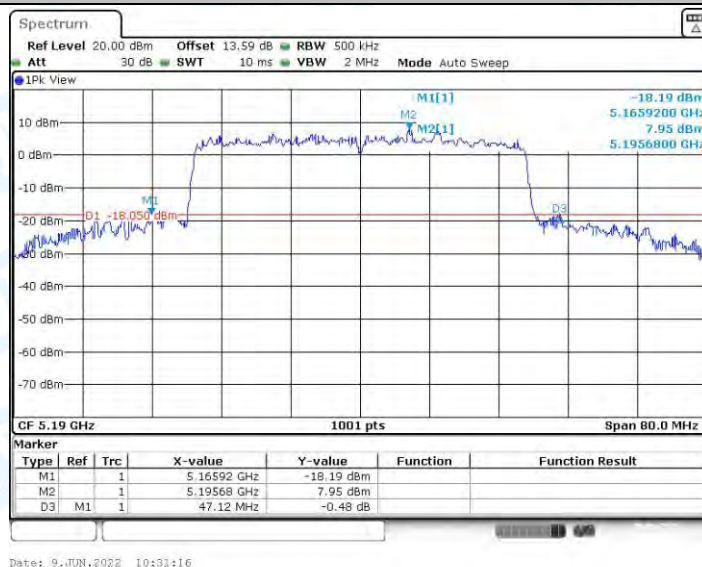


11AX20MIMO\_Ant2\_5700

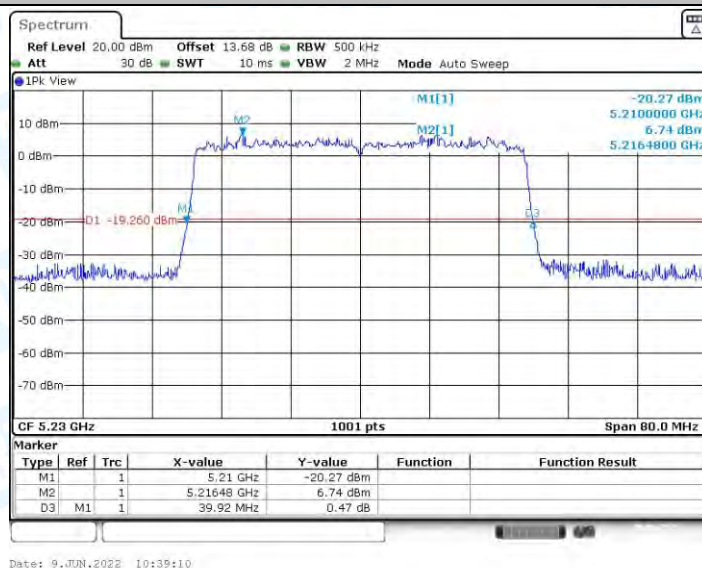




11AX40MIMO\_Ant1\_5190

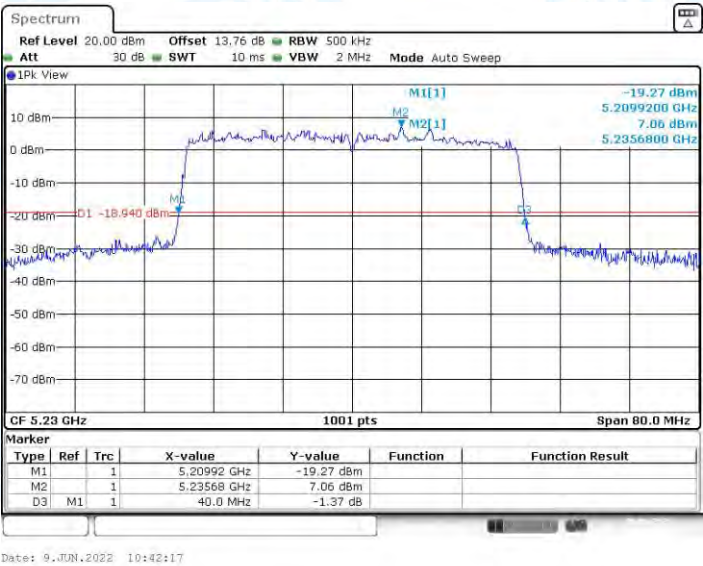


11AX40MIMO\_Ant2\_5190

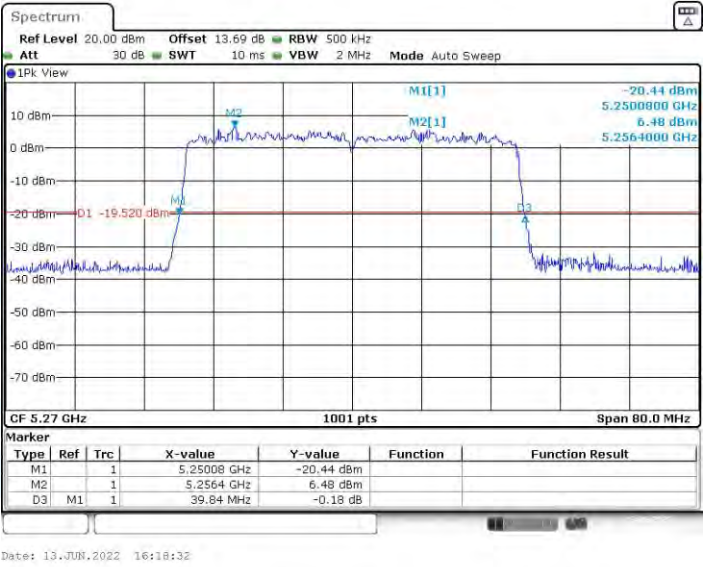


11AX40MIMO\_Ant1\_5230

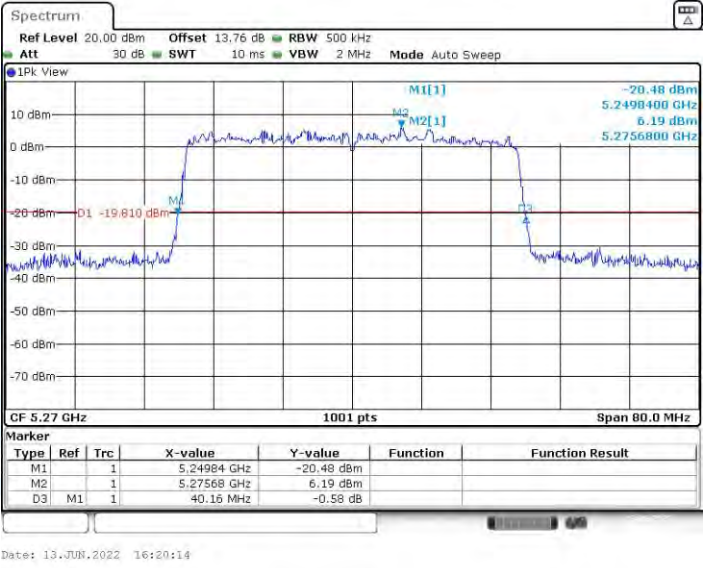




11AX40MIMO\_Ant2\_5230

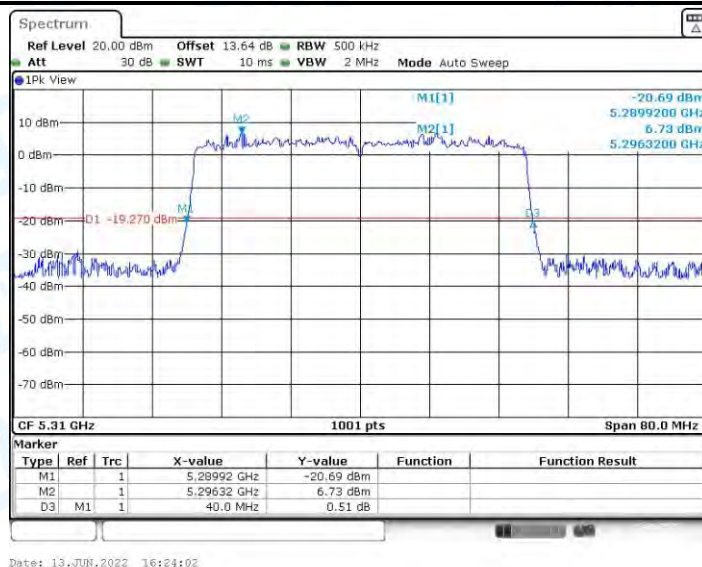


11AX40MIMO\_Ant1\_5270

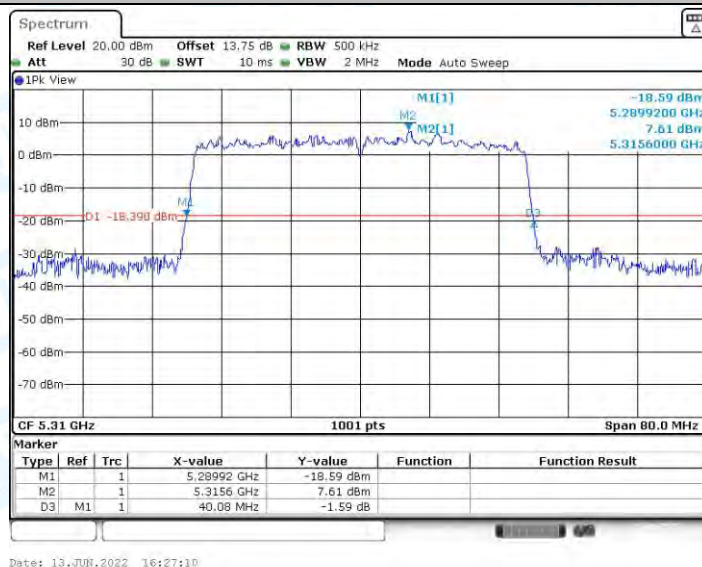


11AX40MIMO\_Ant2\_5270

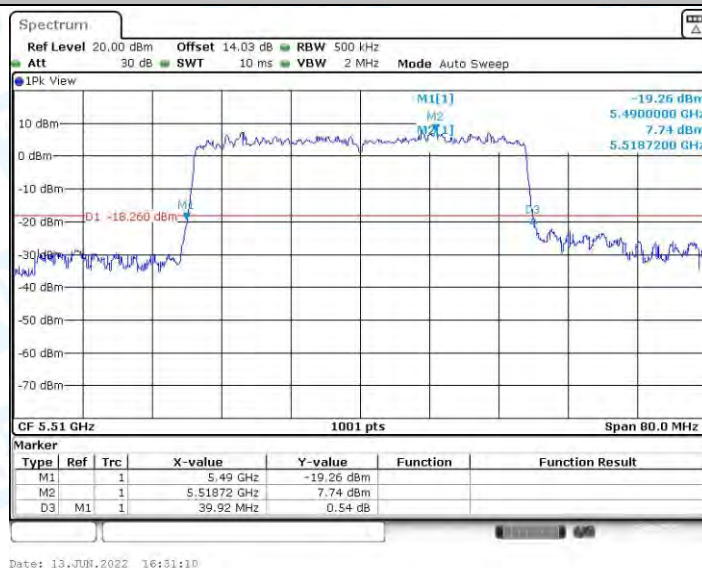




11AX40MIMO\_Ant1\_5310

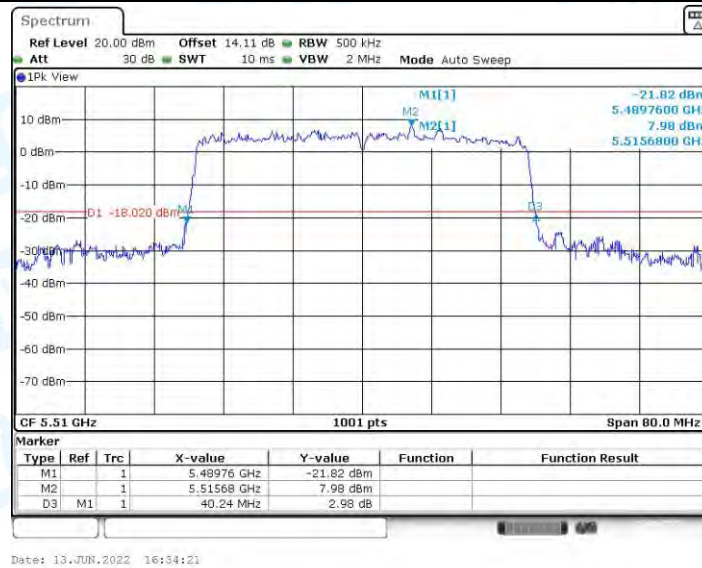


11AX40MIMO\_Ant2\_5310

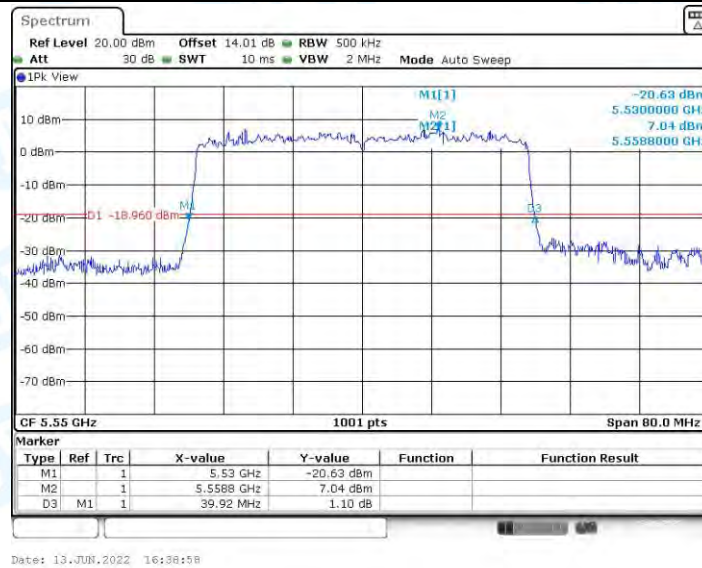


11AX40MIMO\_Ant1\_5510

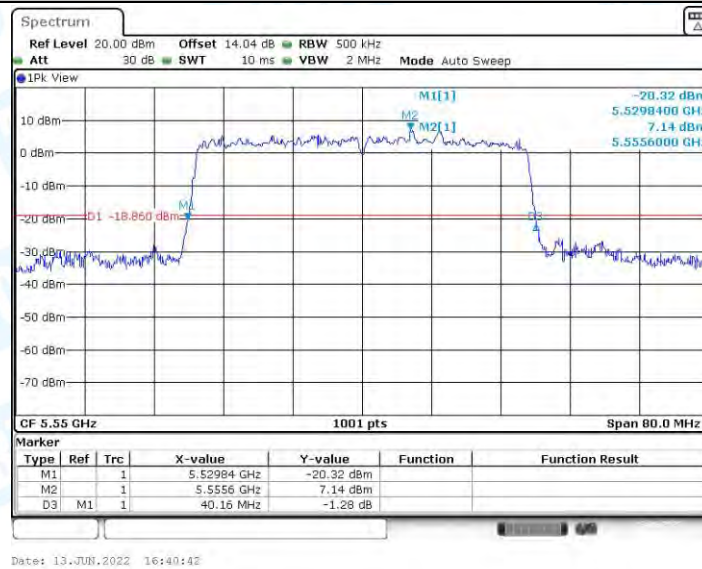




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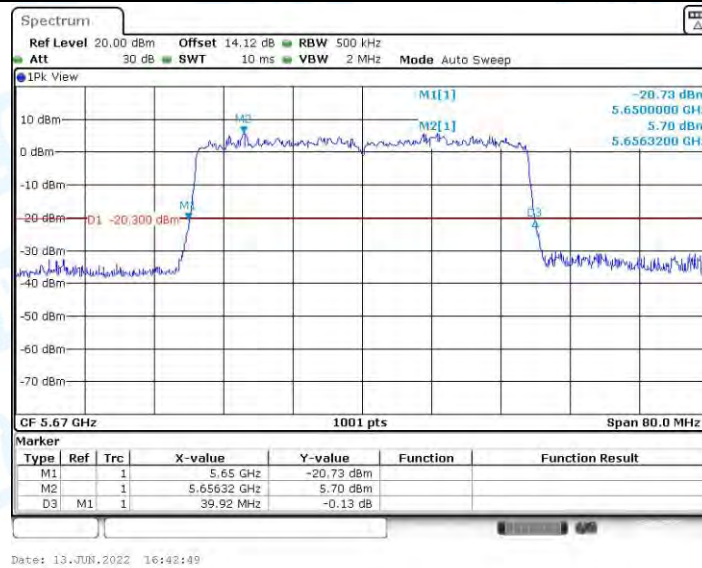


11AX40MIMO\_Ant1\_5550

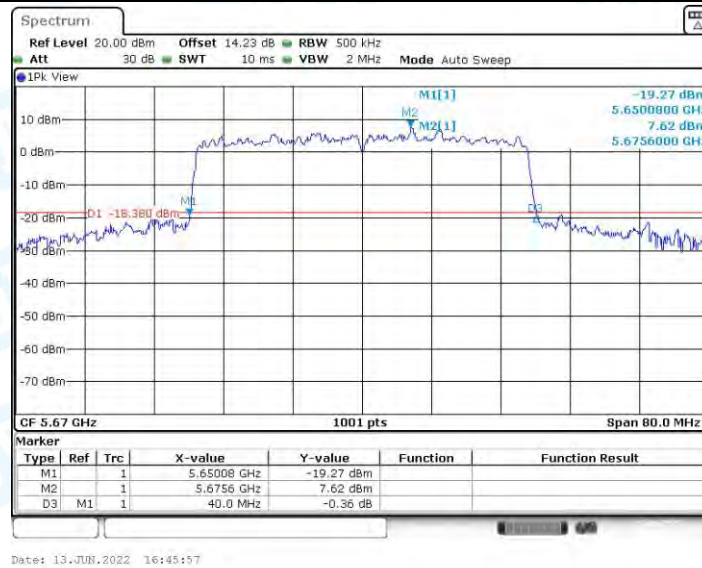


11AX40MIMO\_Ant2\_5550

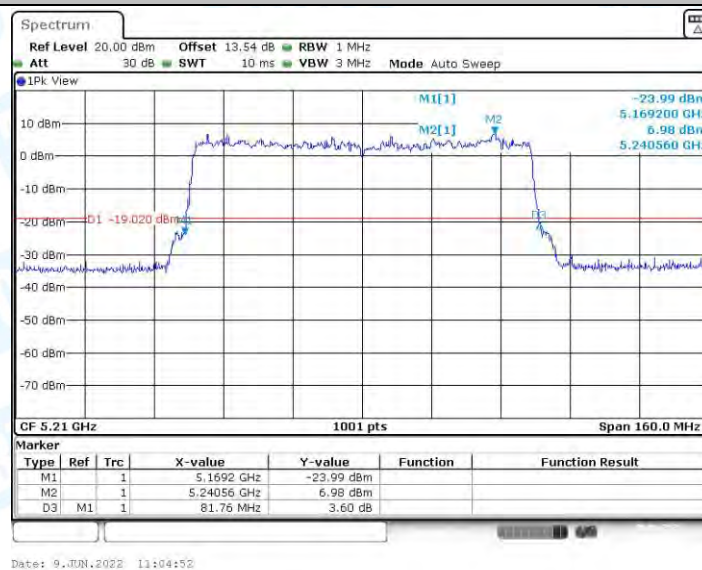




11AX40MIMO\_Ant1\_5670

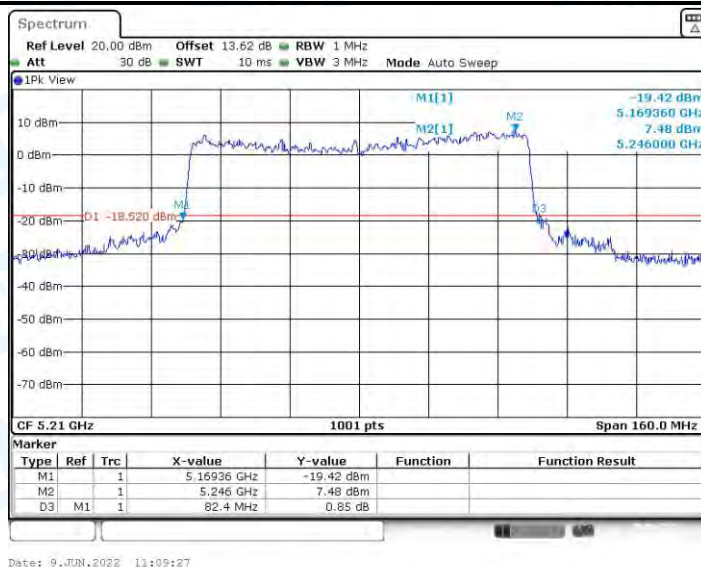


11AX40MIMO\_Ant2\_5670

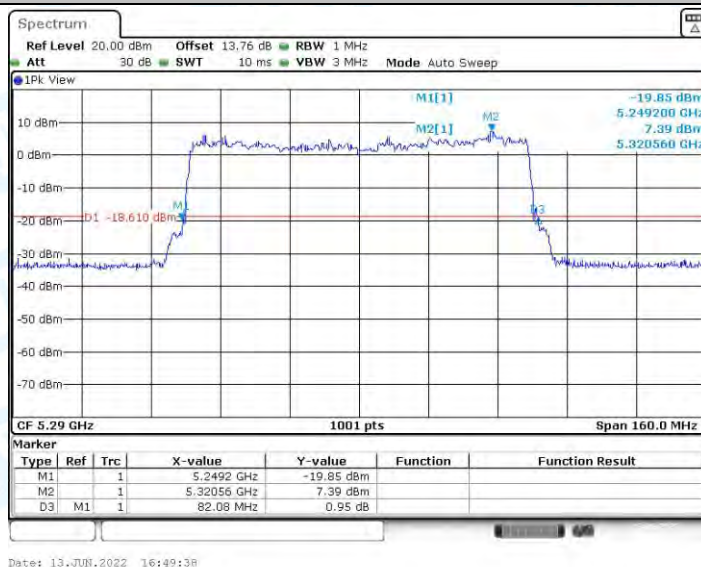


11AX80MIMO\_Ant1\_5210

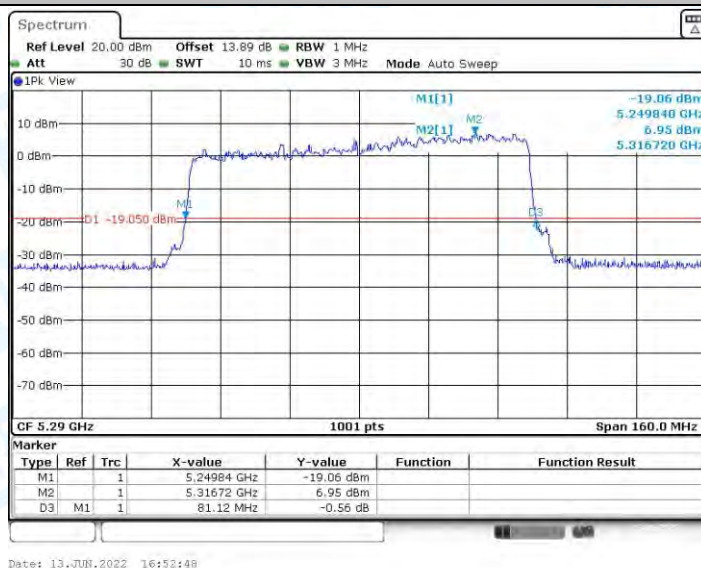




11AX80MIMO\_Ant2\_5210

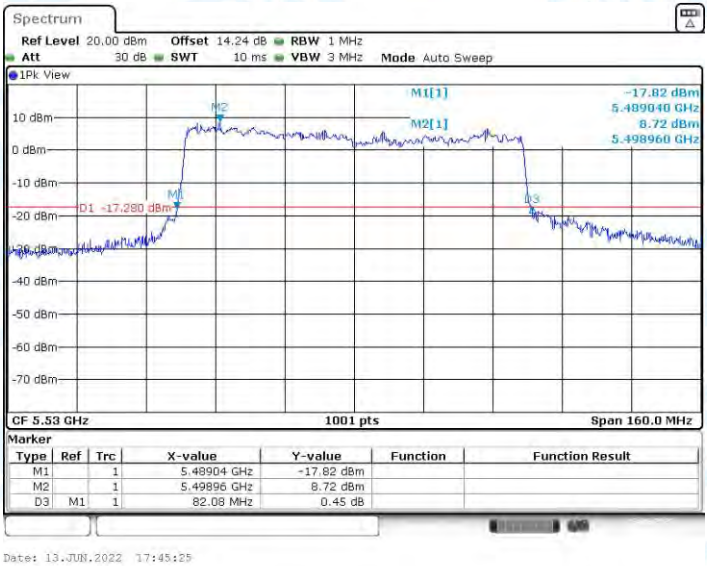


11AX80MIMO\_Ant1\_5290

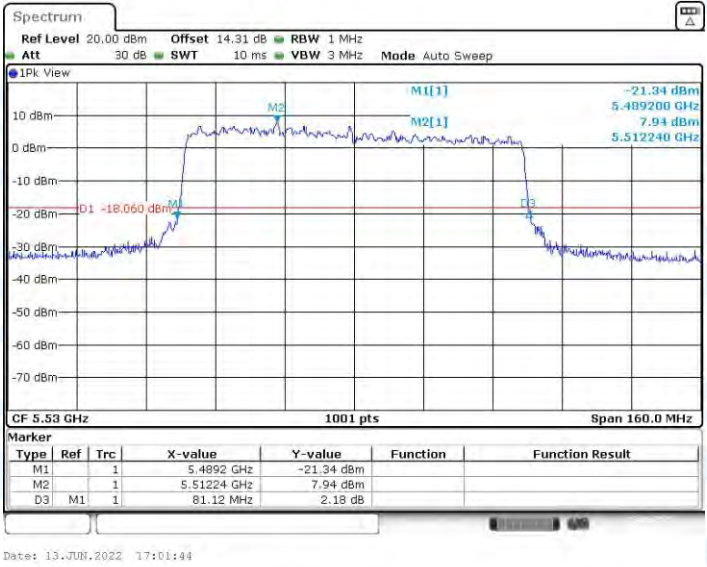


11AX80MIMO\_Ant2\_5290

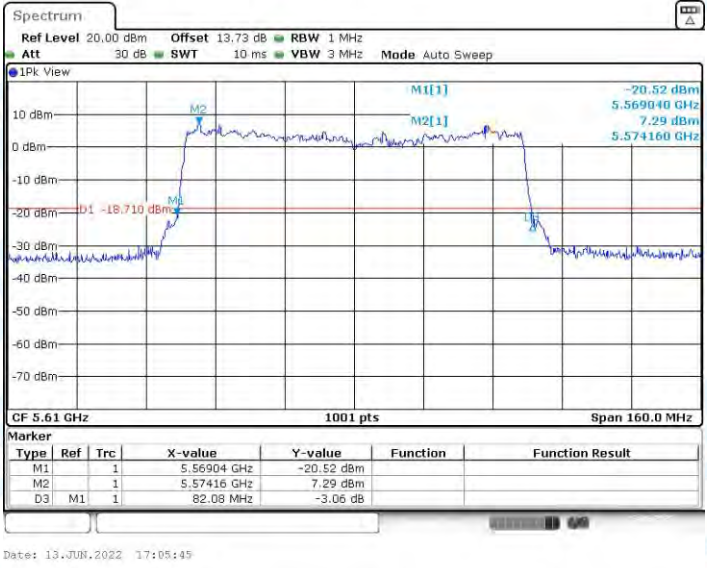




11AX80MIMO\_Ant1\_5530

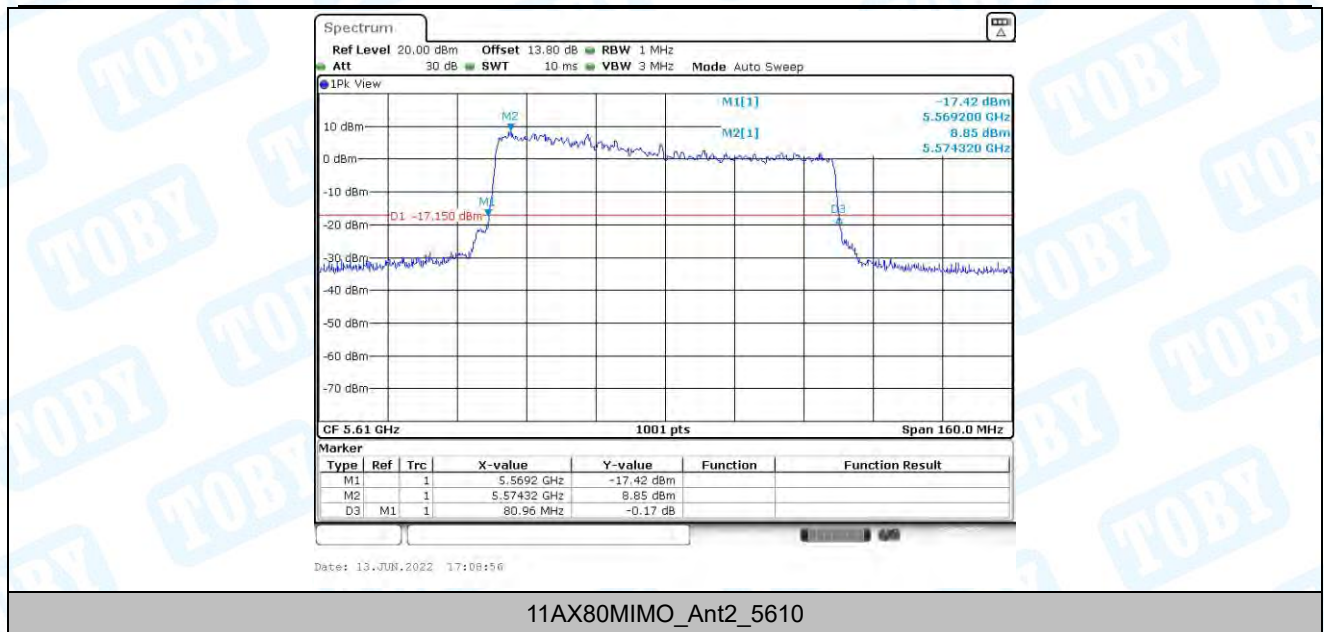


11AX80MIMO\_Ant2\_5530



11AX80MIMO\_Ant1\_5610







## 2. Occupied channel bandwidth

### 2.1. Test Result

| TestMode  | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| 11A       | Ant1    | 5180    | 16.663    | 5171.608 | 5188.272 | ---        | ---     |
|           | Ant2    | 5180    | 16.583    | 5171.688 | 5188.272 | ---        | ---     |
|           | Ant1    | 5220    | 16.503    | 5211.768 | 5228.272 | ---        | ---     |
|           | Ant2    | 5220    | 16.464    | 5211.728 | 5228.192 | ---        | ---     |
|           | Ant1    | 5240    | 16.583    | 5231.728 | 5248.312 | ---        | ---     |
|           | Ant2    | 5240    | 16.503    | 5231.728 | 5248.232 | ---        | ---     |
|           | Ant1    | 5260    | 16.543    | 5251.728 | 5268.272 | ---        | ---     |
|           | Ant2    | 5260    | 16.503    | 5251.768 | 5268.272 | ---        | ---     |
|           | Ant1    | 5300    | 16.543    | 5291.728 | 5308.272 | ---        | ---     |
|           | Ant2    | 5300    | 16.543    | 5291.688 | 5308.232 | ---        | ---     |
|           | Ant1    | 5320    | 16.663    | 5311.728 | 5328.392 | ---        | ---     |
|           | Ant2    | 5320    | 16.583    | 5311.688 | 5328.272 | ---        | ---     |
|           | Ant1    | 5500    | 16.663    | 5491.688 | 5508.352 | ---        | ---     |
|           | Ant2    | 5500    | 16.464    | 5491.728 | 5508.192 | ---        | ---     |
|           | Ant1    | 5580    | 16.503    | 5571.728 | 5588.232 | ---        | ---     |
|           | Ant2    | 5580    | 16.503    | 5571.728 | 5588.232 | ---        | ---     |
|           | Ant1    | 5700    | 16.464    | 5691.768 | 5708.232 | ---        | ---     |
|           | Ant2    | 5700    | 16.503    | 5691.728 | 5708.232 | ---        | ---     |
| 11N20MIMO | Ant1    | 5180    | 17.582    | 5171.209 | 5188.791 | ---        | ---     |
|           | Ant2    | 5180    | 17.702    | 5171.129 | 5188.831 | ---        | ---     |
|           | Ant1    | 5220    | 17.702    | 5211.089 | 5228.791 | ---        | ---     |
|           | Ant2    | 5220    | 17.542    | 5211.169 | 5228.711 | ---        | ---     |
|           | Ant1    | 5240    | 17.702    | 5231.169 | 5248.871 | ---        | ---     |
|           | Ant2    | 5240    | 17.622    | 5231.169 | 5248.791 | ---        | ---     |
|           | Ant1    | 5260    | 19.301    | 5249.850 | 5269.151 | ---        | ---     |
|           | Ant2    | 5260    | 17.702    | 5251.049 | 5268.751 | ---        | ---     |
|           | Ant1    | 5300    | 17.622    | 5291.169 | 5308.791 | ---        | ---     |
|           | Ant2    | 5300    | 17.742    | 5291.129 | 5308.871 | ---        | ---     |
|           | Ant1    | 5320    | 17.542    | 5311.209 | 5328.751 | ---        | ---     |
|           | Ant2    | 5320    | 17.622    | 5311.169 | 5328.791 | ---        | ---     |
|           | Ant1    | 5500    | 17.742    | 5491.089 | 5508.831 | ---        | ---     |
|           | Ant2    | 5500    | 17.662    | 5491.129 | 5508.791 | ---        | ---     |
|           | Ant1    | 5580    | 17.702    | 5571.169 | 5588.871 | ---        | ---     |
|           | Ant2    | 5580    | 17.702    | 5571.129 | 5588.831 | ---        | ---     |
|           | Ant1    | 5700    | 17.702    | 5691.129 | 5708.831 | ---        | ---     |
|           | Ant2    | 5700    | 17.502    | 5691.209 | 5708.711 | ---        | ---     |
| 11N40MIMO | Ant1    | 5190    | 36.204    | 5171.858 | 5208.062 | ---        | ---     |
|           | Ant2    | 5190    | 36.204    | 5171.938 | 5208.142 | ---        | ---     |
|           | Ant1    | 5230    | 36.364    | 5211.778 | 5248.142 | ---        | ---     |
|           | Ant2    | 5230    | 36.284    | 5211.778 | 5248.062 | ---        | ---     |
|           | Ant1    | 5270    | 36.124    | 5251.778 | 5287.902 | ---        | ---     |



|            |      |      |        |          |          |     |     |
|------------|------|------|--------|----------|----------|-----|-----|
|            | Ant2 | 5270 | 35.884 | 5252.018 | 5287.902 | --- | --- |
|            | Ant1 | 5310 | 36.364 | 5291.778 | 5328.142 | --- | --- |
|            | Ant2 | 5310 | 36.204 | 5291.858 | 5328.062 | --- | --- |
|            | Ant1 | 5510 | 36.444 | 5491.778 | 5528.222 | --- | --- |
|            | Ant2 | 5510 | 36.284 | 5491.778 | 5528.062 | --- | --- |
|            | Ant1 | 5550 | 36.124 | 5531.938 | 5568.062 | --- | --- |
|            | Ant2 | 5550 | 36.124 | 5531.938 | 5568.062 | --- | --- |
|            | Ant1 | 5670 | 36.204 | 5651.858 | 5688.062 | --- | --- |
|            | Ant2 | 5670 | 36.444 | 5651.858 | 5688.302 | --- | --- |
| 11AC20MIMO | Ant1 | 5180 | 17.622 | 5171.169 | 5188.791 | --- | --- |
|            | Ant2 | 5180 | 17.662 | 5171.169 | 5188.831 | --- | --- |
|            | Ant1 | 5220 | 17.622 | 5211.169 | 5228.791 | --- | --- |
|            | Ant2 | 5220 | 17.742 | 5211.089 | 5228.831 | --- | --- |
|            | Ant1 | 5240 | 17.742 | 5231.129 | 5248.871 | --- | --- |
|            | Ant2 | 5240 | 17.622 | 5231.089 | 5248.711 | --- | --- |
|            | Ant1 | 5260 | 19.021 | 5250.410 | 5269.431 | --- | --- |
|            | Ant2 | 5260 | 18.901 | 5250.490 | 5269.391 | --- | --- |
|            | Ant1 | 5300 | 18.981 | 5290.490 | 5309.471 | --- | --- |
|            | Ant2 | 5300 | 18.901 | 5290.569 | 5309.471 | --- | --- |
|            | Ant1 | 5320 | 19.061 | 5310.410 | 5329.471 | --- | --- |
|            | Ant2 | 5320 | 19.021 | 5310.490 | 5329.510 | --- | --- |
|            | Ant1 | 5500 | 18.941 | 5490.490 | 5509.431 | --- | --- |
|            | Ant2 | 5500 | 18.981 | 5490.529 | 5509.510 | --- | --- |
|            | Ant1 | 5580 | 17.742 | 5571.129 | 5588.871 | --- | --- |
|            | Ant2 | 5580 | 17.582 | 5571.169 | 5588.751 | --- | --- |
|            | Ant1 | 5700 | 17.622 | 5691.169 | 5708.791 | --- | --- |
|            | Ant2 | 5700 | 17.622 | 5691.209 | 5708.831 | --- | --- |
| 11AC40MIMO | Ant1 | 5190 | 36.204 | 5171.858 | 5208.062 | --- | --- |
|            | Ant2 | 5190 | 36.204 | 5171.858 | 5208.062 | --- | --- |
|            | Ant1 | 5230 | 36.204 | 5211.938 | 5248.142 | --- | --- |
|            | Ant2 | 5230 | 36.204 | 5211.778 | 5247.982 | --- | --- |
|            | Ant1 | 5270 | 36.124 | 5251.778 | 5287.902 | --- | --- |
|            | Ant2 | 5270 | 36.204 | 5251.858 | 5288.062 | --- | --- |
|            | Ant1 | 5310 | 36.364 | 5291.698 | 5328.062 | --- | --- |
|            | Ant2 | 5310 | 36.364 | 5291.778 | 5328.142 | --- | --- |
|            | Ant1 | 5510 | 36.523 | 5491.858 | 5528.382 | --- | --- |
|            | Ant2 | 5510 | 36.204 | 5491.858 | 5528.062 | --- | --- |
|            | Ant1 | 5550 | 36.204 | 5531.858 | 5568.062 | --- | --- |
|            | Ant2 | 5550 | 36.284 | 5531.778 | 5568.062 | --- | --- |
|            | Ant1 | 5670 | 36.124 | 5651.938 | 5688.062 | --- | --- |
|            | Ant2 | 5670 | 36.444 | 5651.778 | 5688.222 | --- | --- |
| 11AC80MIMO | Ant1 | 5210 | 76.404 | 5171.638 | 5248.042 | --- | --- |
|            | Ant2 | 5210 | 76.563 | 5172.118 | 5248.681 | --- | --- |
|            | Ant1 | 5290 | 77.682 | 5250.999 | 5328.681 | --- | --- |
|            | Ant2 | 5290 | 75.924 | 5252.597 | 5328.521 | --- | --- |
|            | Ant1 | 5530 | 76.563 | 5491.638 | 5568.202 | --- | --- |



|            |      |      |        |          |          |     |     |
|------------|------|------|--------|----------|----------|-----|-----|
|            | Ant2 | 5530 | 76.563 | 5491.479 | 5568.042 | --- | --- |
|            | Ant1 | 5610 | 76.563 | 5571.798 | 5648.362 | --- | --- |
|            | Ant2 | 5610 | 76.883 | 5570.999 | 5647.882 | --- | --- |
| 11AX20MIMO | Ant1 | 5180 | 18.901 | 5170.450 | 5189.351 | --- | --- |
|            | Ant2 | 5180 | 18.901 | 5170.529 | 5189.431 | --- | --- |
|            | Ant1 | 5220 | 18.981 | 5210.529 | 5229.510 | --- | --- |
|            | Ant2 | 5220 | 18.901 | 5210.490 | 5229.391 | --- | --- |
|            | Ant1 | 5240 | 18.981 | 5230.490 | 5249.471 | --- | --- |
|            | Ant2 | 5240 | 18.981 | 5230.529 | 5249.510 | --- | --- |
|            | Ant1 | 5260 | 19.021 | 5250.450 | 5269.471 | --- | --- |
|            | Ant2 | 5260 | 18.941 | 5250.490 | 5269.431 | --- | --- |
|            | Ant1 | 5300 | 18.861 | 5290.569 | 5309.431 | --- | --- |
|            | Ant2 | 5300 | 19.021 | 5290.490 | 5309.510 | --- | --- |
|            | Ant1 | 5320 | 18.901 | 5310.529 | 5329.431 | --- | --- |
|            | Ant2 | 5320 | 18.981 | 5310.490 | 5329.471 | --- | --- |
|            | Ant1 | 5500 | 19.061 | 5490.410 | 5509.471 | --- | --- |
|            | Ant2 | 5500 | 19.021 | 5490.450 | 5509.471 | --- | --- |
|            | Ant1 | 5580 | 19.061 | 5570.450 | 5589.510 | --- | --- |
|            | Ant2 | 5580 | 18.981 | 5570.490 | 5589.471 | --- | --- |
|            | Ant1 | 5700 | 18.941 | 5690.529 | 5709.471 | --- | --- |
|            | Ant2 | 5700 | 19.061 | 5690.450 | 5709.510 | --- | --- |
| 11AX40MIMO | Ant1 | 5190 | 37.483 | 5171.219 | 5208.701 | --- | --- |
|            | Ant2 | 5190 | 37.962 | 5170.979 | 5208.941 | --- | --- |
|            | Ant1 | 5230 | 37.962 | 5210.979 | 5248.941 | --- | --- |
|            | Ant2 | 5230 | 37.802 | 5211.059 | 5248.861 | --- | --- |
|            | Ant1 | 5270 | 37.802 | 5250.899 | 5288.701 | --- | --- |
|            | Ant2 | 5270 | 37.722 | 5251.059 | 5288.781 | --- | --- |
|            | Ant1 | 5310 | 37.962 | 5291.059 | 5329.021 | --- | --- |
|            | Ant2 | 5310 | 37.882 | 5291.059 | 5328.941 | --- | --- |
|            | Ant1 | 5510 | 38.042 | 5491.059 | 5529.101 | --- | --- |
|            | Ant2 | 5510 | 37.962 | 5490.979 | 5528.941 | --- | --- |
|            | Ant1 | 5550 | 37.802 | 5531.059 | 5568.861 | --- | --- |
|            | Ant2 | 5550 | 37.962 | 5530.979 | 5568.941 | --- | --- |
|            | Ant1 | 5670 | 37.802 | 5651.059 | 5688.861 | --- | --- |
|            | Ant2 | 5670 | 37.882 | 5651.059 | 5688.941 | --- | --- |
| 11AX80MIMO | Ant1 | 5210 | 77.522 | 5171.479 | 5249.001 | --- | --- |
|            | Ant2 | 5210 | 77.203 | 5171.798 | 5249.001 | --- | --- |
|            | Ant1 | 5290 | 77.842 | 5251.159 | 5329.001 | --- | --- |
|            | Ant2 | 5290 | 77.363 | 5251.638 | 5329.001 | --- | --- |
|            | Ant1 | 5530 | 77.682 | 5490.999 | 5568.681 | --- | --- |
|            | Ant2 | 5530 | 78.322 | 5490.679 | 5569.001 | --- | --- |
|            | Ant1 | 5610 | 77.682 | 5571.319 | 5649.001 | --- | --- |
|            | Ant2 | 5610 | 77.522 | 5570.519 | 5648.042 | --- | --- |