



11AC20MIMO\_Ant1\_5825



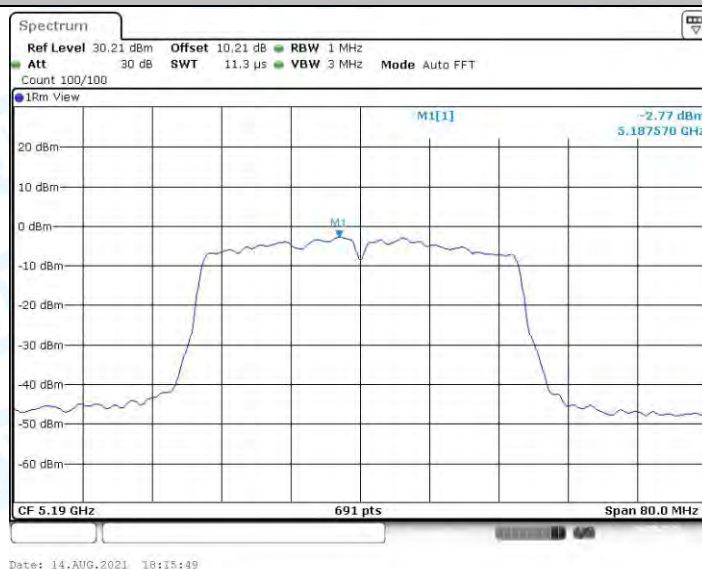
11AC20MIMO\_Ant2\_5825



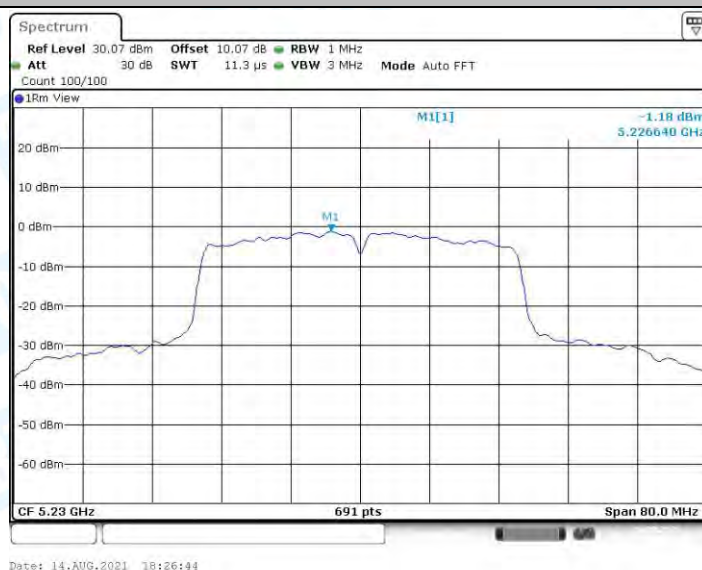
11AC40MIMO\_Ant1\_5190



11AC40MIMO\_Ant2\_5190



11AC40MIMO\_Ant1\_5230



11AC40MIMO\_Ant2\_5230





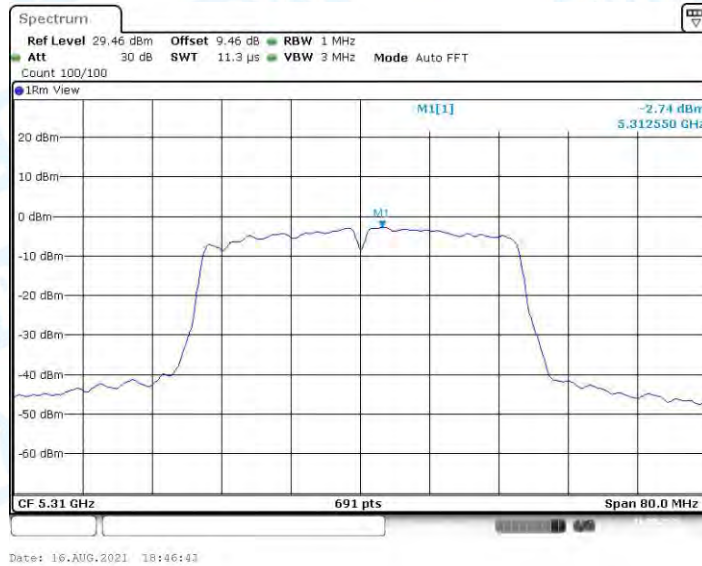
11AC40MIMO\_Ant1\_5270



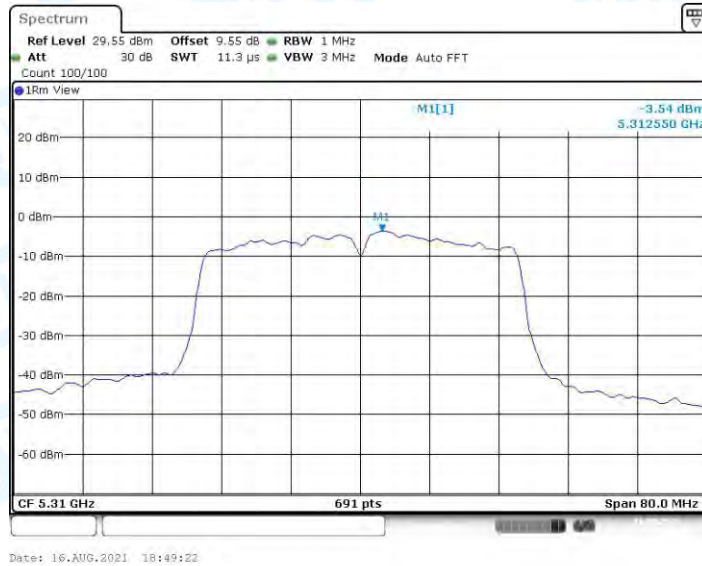
11AC40MIMO\_Ant2\_5270



11AC40MIMO\_Ant1\_5310



11AC40MIMO\_Ant2\_5310

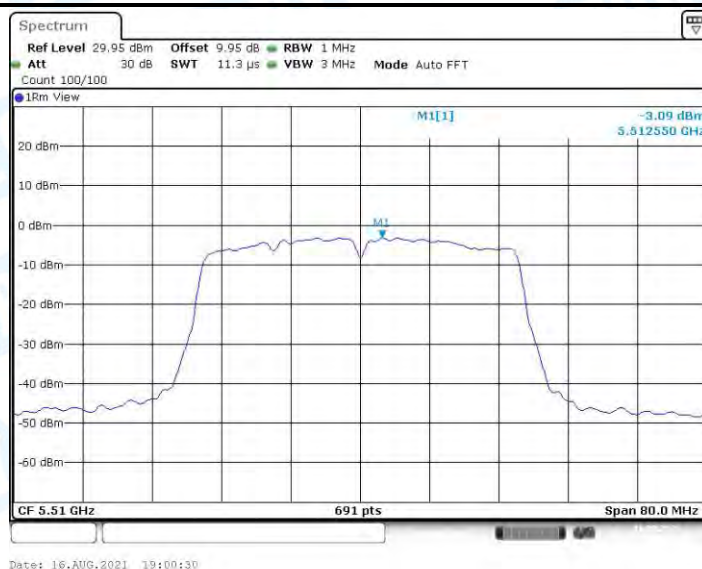


11AC40MIMO\_Ant1\_5510



11AC40MIMO\_Ant2\_5510





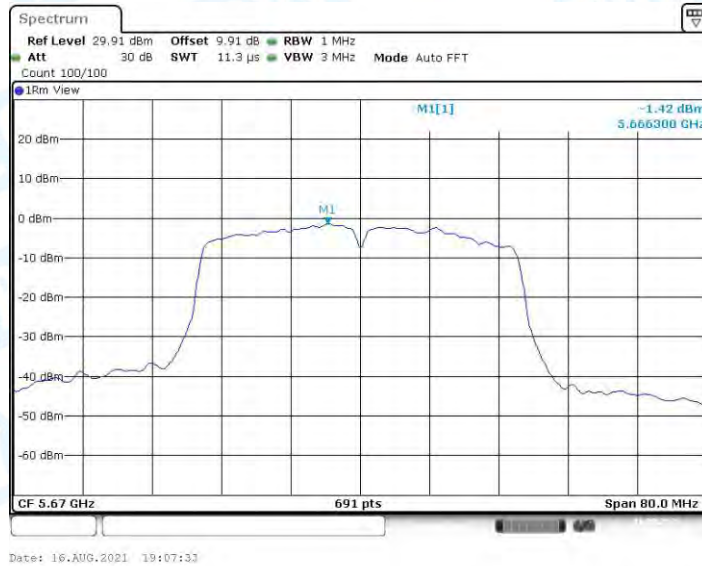
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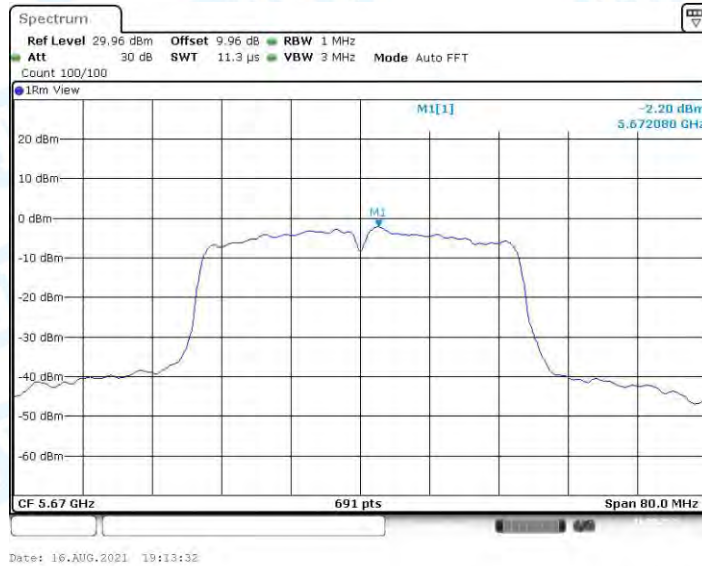
11AC40MIMO\_Ant2\_5550



11AC40MIMO\_Ant1\_5670



11AC40MIMO\_Ant2\_5670

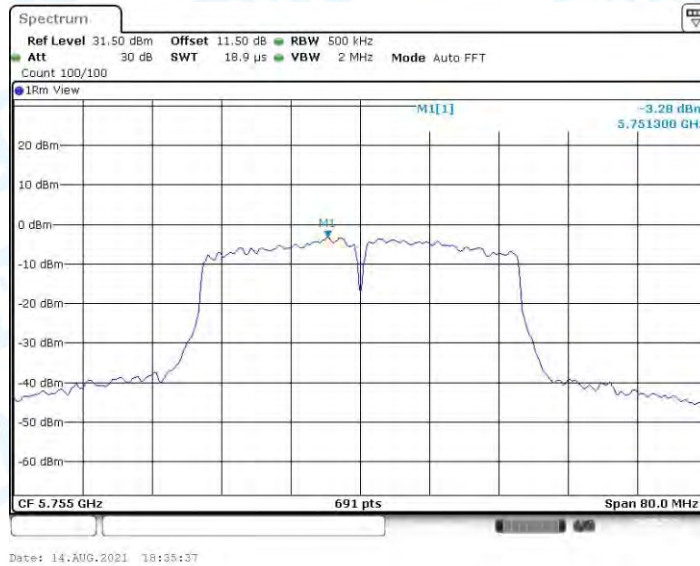


11AC40MIMO\_Ant1\_5755



11AC40MIMO\_Ant2\_5755





11AC40MIMO\_Ant1\_5795



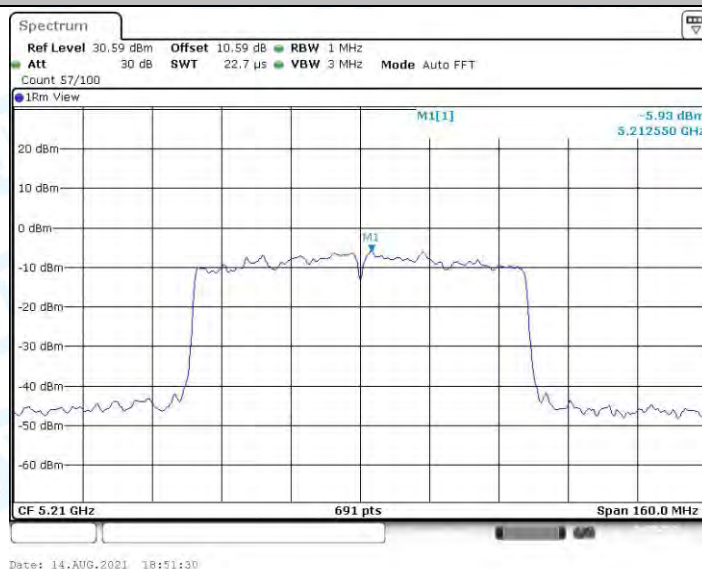
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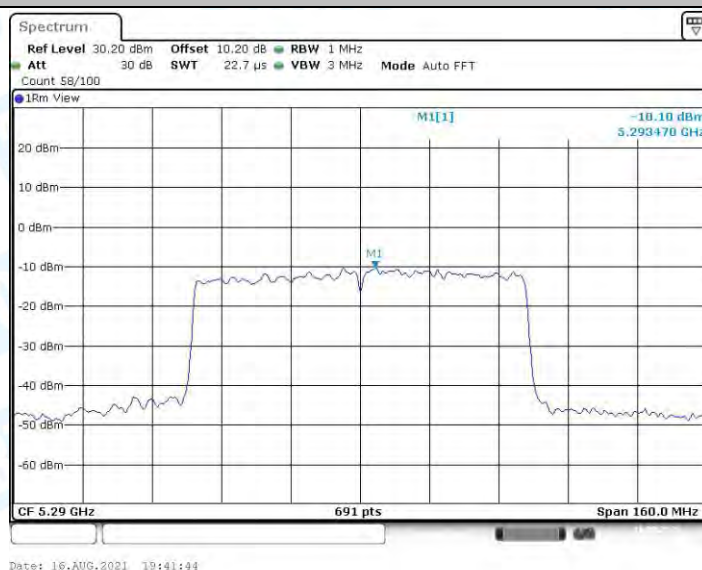
11AC80MIMO\_Ant1\_5210



11AC80MIMO\_Ant2\_5210

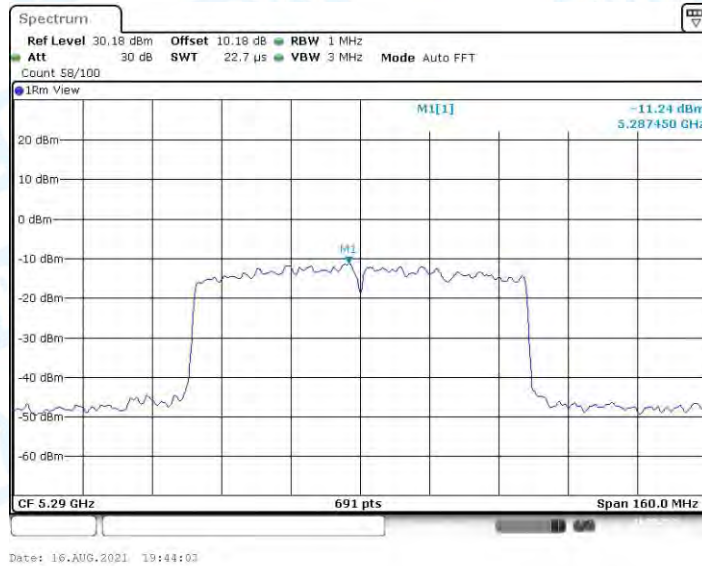


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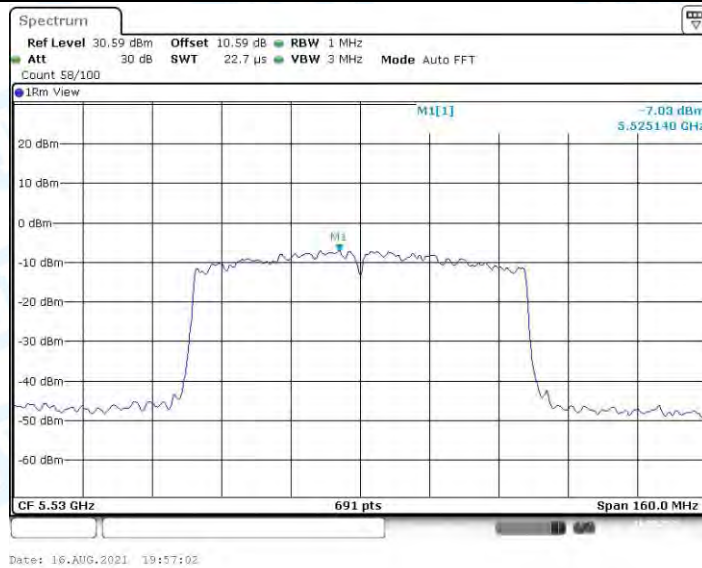


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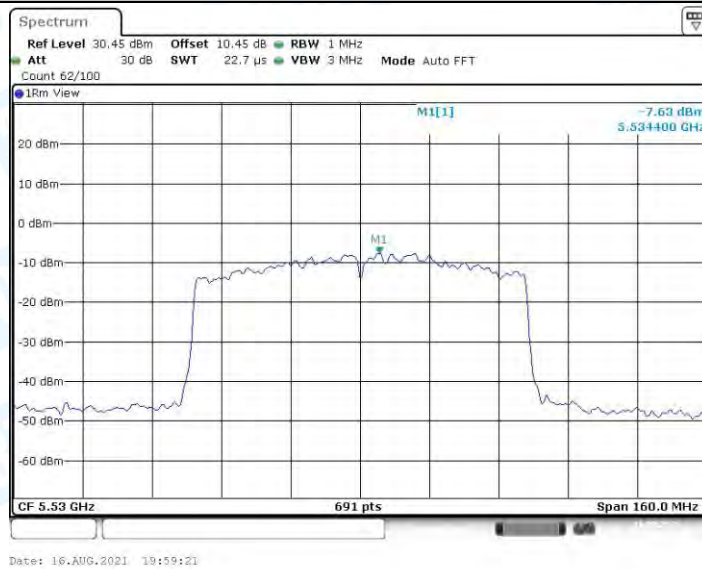




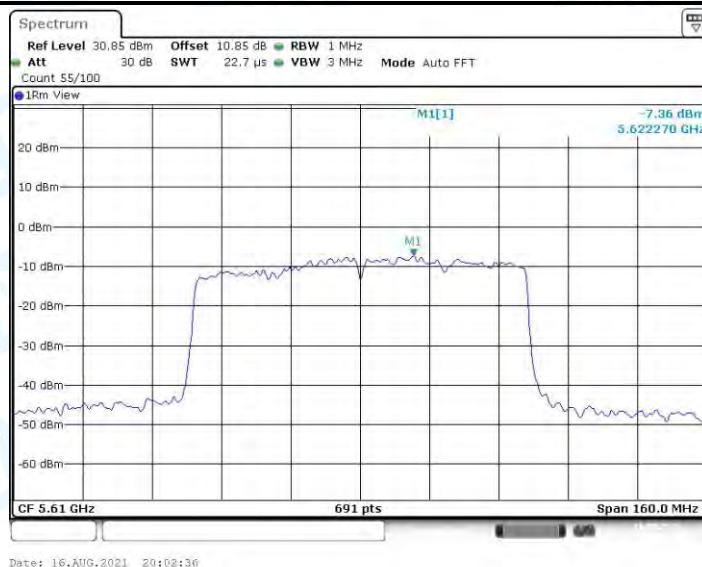
11AC80MIMO\_Ant1\_5530



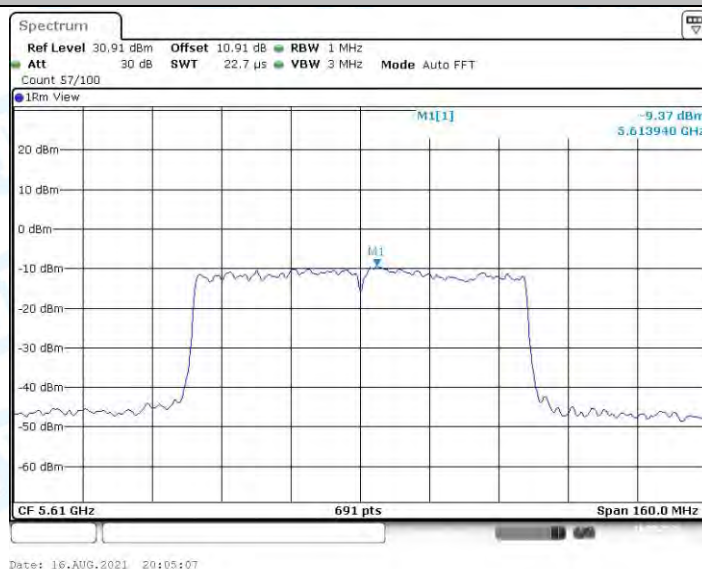
11AC80MIMO\_Ant2\_5530



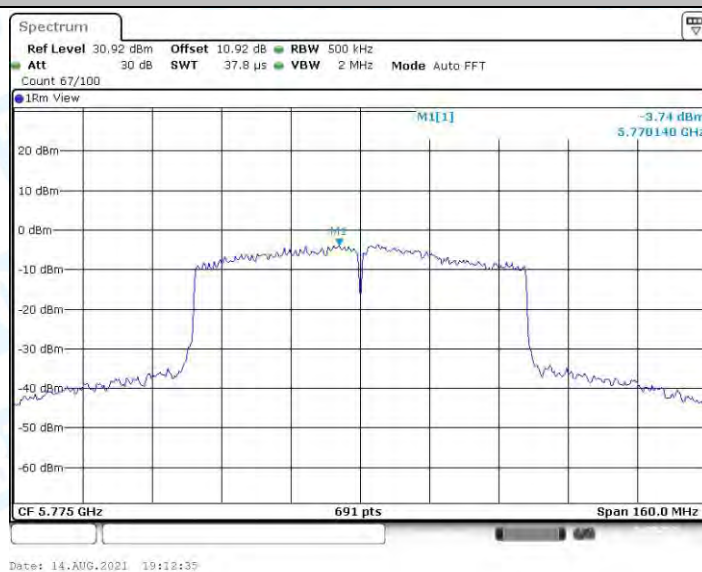
11AC80MIMO\_Ant1\_5610



11AC80MIMO\_Ant2\_5610

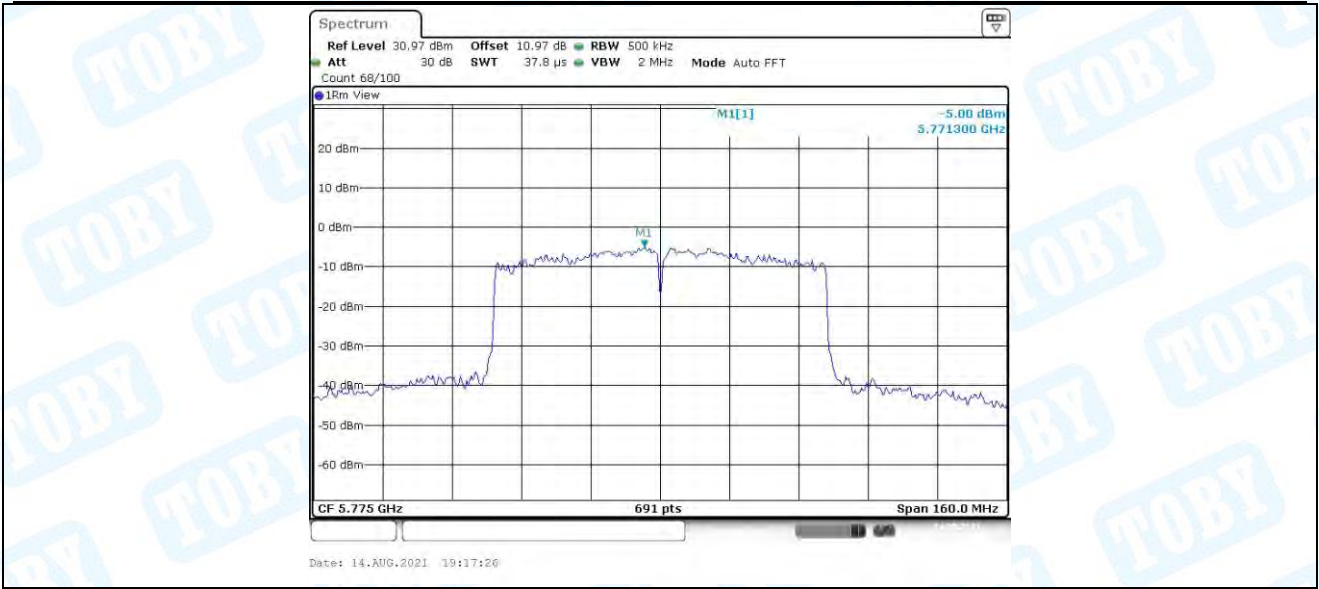


11AC80MIMO\_Ant1\_5775



11AC80MIMO\_Ant2\_5775







## 5. Emissions in Restricted Bands

### 5.1. Test Result

| Test Mode | Ant.  | Ch Name | Channel | Detector | Freq (MHz) | EIRP (dBm) | Limit (dBm) | Verdict |
|-----------|-------|---------|---------|----------|------------|------------|-------------|---------|
| 11A-CDD   | Ant1  | Low     | 5180    | AV       | 4500.000   | -58.96     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5149.275   | -47.73     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5150.000   | -46.81     | <=-41.2     | PASS    |
|           |       |         |         | Peak     | 4500.000   | -46.71     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5149.275   | -31.14     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5150.000   | -28.22     | <=-21.2     | PASS    |
|           | Ant2  | Low     | 5180    | AV       | 4500.000   | -59.05     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5149.275   | -48.64     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5150.000   | -48.09     | <=-41.2     | PASS    |
|           |       |         |         | Peak     | 4500.000   | -47.23     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5149.275   | -30.42     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5150.000   | -29.03     | <=-21.2     | PASS    |
|           | total | Low     | 5180    | AV       | 4500.000   | -55.99     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5032.609   | -41.23     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5149.275   | -45.15     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5150.000   | -44.39     | <=-41.2     | PASS    |
|           |       |         |         | Peak     | 4500.000   | -43.95     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5083.333   | -30.71     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5149.275   | -27.75     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5150.000   | -25.60     | <=-21.2     | PASS    |
|           | Ant1  | High    | 5240    | AV       | 5350.000   | -47.27     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5449.217   | -45.62     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5460.000   | -47.11     | <=-41.2     | PASS    |
|           |       |         |         | Peak     | 5350.000   | -36.84     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5452.348   | -34.64     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5460.000   | -37        | <=-21.2     | PASS    |
|           | Ant2  | High    | 5240    | AV       | 5350.000   | -47.02     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5448.870   | -45.39     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5460.000   | -46.96     | <=-41.2     | PASS    |
|           |       |         |         | Peak     | 5350.000   | -35.41     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5448.174   | -34.46     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5460.000   | -36.95     | <=-21.2     | PASS    |
|           | total | High    | 5240    | AV       | 5350.000   | -44.13     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5447.826   | -42.44     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5448.870   | -42.49     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5460.000   | -44.02     | <=-41.2     | PASS    |
|           |       |         |         | Peak     | 5350.000   | -33.06     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5448.174   | -31.54     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5460.000   | -33.96     | <=-21.2     | PASS    |
|           | Ant1  | High    | 5320    | AV       | 5350.000   | -44.93     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5350.087   | -44.95     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5460.000   | -47.69     | <=-41.2     | PASS    |
|           |       |         |         | Peak     | 5350.000   | -32.18     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5350.087   | -32.13     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5460.000   | -36.89     | <=-21.2     | PASS    |
|           | Ant2  | High    | 5320    | AV       | 5350.000   | -46.07     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5448.638   | -45.68     | <=-41.2     | PASS    |
|           |       |         |         | AV       | 5460.000   | -47.45     | <=-41.2     | PASS    |
|           |       |         |         | Peak     | 5350.000   | -35.48     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5399.942   | -33.84     | <=-21.2     | PASS    |
|           |       |         |         | Peak     | 5460.000   | -37.02     | <=-21.2     | PASS    |
|           | total | High    | 5320    | AV       | 5350.000   | -42.45     | <=-41.2     | PASS    |



|  |       |      |      |      |          |        |          |      |
|--|-------|------|------|------|----------|--------|----------|------|
|  |       |      |      | AV   | 5448.638 | -42.29 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5460.000 | -44.56 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5350.000 | -30.51 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5399.942 | -29.89 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -33.94 | <=-21.2  | PASS |
|  | Ant1  | Low  | 5500 | AV   | 5460.000 | -47.41 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5460.957 | -47.23 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5470.000 | -47.54 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -35.35 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5460.261 | -34.96 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5470.000 | -36.65 | <=-21.2  | PASS |
|  | Ant2  | Low  | 5500 | AV   | 5460.000 | -47.24 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5468.609 | -46.75 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5470.000 | -46.78 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -35.83 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5468.957 | -30.51 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5470.000 | -32.25 | <=-21.2  | PASS |
|  | total | Low  | 5500 | AV   | 5460.000 | -44.31 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5468.609 | -43.97 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5470.000 | -44.13 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -32.57 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5468.957 | -29.18 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5470.000 | -30.90 | <=-21.2  | PASS |
|  | Ant1  | High | 5700 | AV   | 5725.000 | -44.49 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5725.043 | -44.49 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -46.85 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -31.64 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5725.130 | -31.63 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -35.9  | <=-21.2  | PASS |
|  | Ant2  | High | 5700 | AV   | 5725.000 | -46.5  | <=-41.2  | PASS |
|  |       |      |      | AV   | 5726.435 | -46.08 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -47.3  | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -33.72 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5725.043 | -33.72 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -36.82 | <=-21.2  | PASS |
|  | total | High | 5700 | AV   | 5725.000 | -42.37 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5726.435 | -42.20 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -44.06 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -29.55 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5725.043 | -29.54 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -33.33 | <=-21.2  | PASS |
|  | Ant1  | Low  | 5745 | Peak | 5650.000 | -37.7  | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -37.46 | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -34.25 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -23.11 | <=27.00  | PASS |
|  | Ant2  | Low  | 5745 | Peak | 5650.000 | -37.14 | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -38    | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -32.21 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -24.25 | <=27.00  | PASS |
|  | total | Low  | 5745 | Peak | 5650.000 | -34.40 | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -34.71 | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -30.10 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -20.63 | <=27.00  | PASS |
|  | Ant1  | High | 5825 | Peak | 5850.000 | -23.7  | <=27.00  | PASS |
|  |       |      |      | Peak | 5855.000 | -28.17 | <=15.60  | PASS |
|  |       |      |      | Peak | 5875.000 | -36.75 | <=10.00  | PASS |
|  |       |      |      | Peak | 5925.000 | -37.37 | <=-27.00 | PASS |
|  | Ant2  | High | 5825 | Peak | 5850.000 | -32    | <=27.00  | PASS |
|  |       |      |      | Peak | 5855.000 | -31.34 | <=15.60  | PASS |



|           |       |      |      |      |          |        |          |      |
|-----------|-------|------|------|------|----------|--------|----------|------|
| 11N20MIMO | total | High | 5825 | Peak | 5875.000 | -35.39 | <=10.00  | PASS |
|           |       |      |      | Peak | 5925.000 | -36.43 | <=-27.00 | PASS |
|           |       |      |      | Peak | 5850.000 | -23.10 | <=27.00  | PASS |
|           |       |      |      | Peak | 5855.000 | -26.46 | <=15.60  | PASS |
|           |       |      |      | Peak | 5875.000 | -33.01 | <=10.00  | PASS |
|           |       |      |      | Peak | 5925.000 | -33.86 | <=-27.00 | PASS |
|           | Ant1  | Low  | 5180 | AV   | 4500.000 | -49.27 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5032.609 | -45.61 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5150.000 | -46.86 | <=-41.2  | PASS |
|           |       |      |      | Peak | 4500.000 | -37.47 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5098.551 | -33.87 | <=-21.2  | PASS |
|           | Ant2  | Low  | 5180 | Peak | 5150.000 | -32.42 | <=-21.2  | PASS |
|           |       |      |      | AV   | 4500.000 | -48.63 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5032.609 | -45.41 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5150.000 | -46.16 | <=-41.2  | PASS |
|           |       |      |      | Peak | 4500.000 | -37.57 | <=-21.2  | PASS |
|           | total | Low  | 5180 | Peak | 5083.333 | -33.12 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5150.000 | -33.63 | <=-21.2  | PASS |
|           |       |      |      | AV   | 4500.000 | -45.93 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5032.609 | -42.50 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5150.000 | -43.49 | <=-41.2  | PASS |
| 11N20MIMO | Ant1  | High | 5240 | Peak | 4500.000 | -34.51 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5070.145 | -31.03 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5083.333 | -30.47 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5150.000 | -29.97 | <=-21.2  | PASS |
|           |       |      |      | AV   | 5350.000 | -47.24 | <=-41.2  | PASS |
|           | Ant2  | High | 5240 | AV   | 5448.522 | -45.52 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5460.000 | -47.43 | <=-41.2  | PASS |
|           |       |      |      | Peak | 5350.000 | -38.18 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5447.130 | -33.54 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5460.000 | -36.02 | <=-21.2  | PASS |
|           | total | High | 5240 | AV   | 5350.000 | -47.27 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5447.826 | -45.04 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5460.000 | -47.02 | <=-41.2  | PASS |
|           |       |      |      | Peak | 5350.000 | -36.95 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5449.565 | -34.54 | <=-21.2  | PASS |
|           | Ant1  | High | 5320 | Peak | 5460.000 | -36.9  | <=-21.2  | PASS |
|           |       |      |      | AV   | 5350.000 | -44.24 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5447.826 | -42.26 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5460.000 | -44.21 | <=-41.2  | PASS |
|           |       |      |      | Peak | 5350.000 | -34.51 | <=-21.2  | PASS |
|           | Ant2  | High | 5320 | Peak | 5449.565 | -31.00 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5460.000 | -33.43 | <=-21.2  | PASS |
|           |       |      |      | AV   | 5350.000 | -47.87 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5447.478 | -45.94 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5460.000 | -47.29 | <=-41.2  | PASS |
|           | total | High | 5320 | Peak | 5350.000 | -38.5  | <=-21.2  | PASS |
|           |       |      |      | Peak | 5449.797 | -34.36 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5460.000 | -37.11 | <=-21.2  | PASS |
|           |       |      |      | AV   | 5350.000 | -47.6  | <=-41.2  | PASS |
|           |       |      |      | AV   | 5448.174 | -45.83 | <=-41.2  | PASS |
| 11N20MIMO | total | High | 5320 | AV   | 5460.000 | -47.75 | <=-41.2  | PASS |
|           |       |      |      | Peak | 5350.000 | -36.3  | <=-21.2  | PASS |
|           |       |      |      | Peak | 5447.478 | -34.83 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5460.000 | -37.33 | <=-21.2  | PASS |
|           |       |      |      | AV   | 5350.000 | -44.72 | <=-41.2  | PASS |
| 11N20MIMO | total | High | 5320 | AV   | 5448.174 | -42.87 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5460.000 | -44.50 | <=-41.2  | PASS |
|           |       |      |      | Peak | 5350.000 | -34.25 | <=-21.2  | PASS |



|  |       |      |      |      |          |        |          |      |
|--|-------|------|------|------|----------|--------|----------|------|
|  | Ant1  | Low  | 5500 | Peak | 5447.478 | -31.58 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -34.21 | <=-21.2  | PASS |
|  |       |      |      | AV   | 5460.000 | -47.27 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5465.739 | -47.19 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5470.000 | -47.6  | <=-41.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -36.61 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5463.739 | -35.32 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5470.000 | -37.04 | <=-21.2  | PASS |
|  | Ant2  | Low  | 5500 | AV   | 5460.000 | -47.17 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5460.609 | -47.16 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5470.000 | -47.56 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -36.37 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5460.870 | -35.11 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5470.000 | -36.78 | <=-21.2  | PASS |
|  | total | Low  | 5500 | AV   | 5460.000 | -44.21 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5460.609 | -44.16 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5470.000 | -44.57 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -33.48 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5460.870 | -32.20 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5470.000 | -33.90 | <=-21.2  | PASS |
|  | Ant1  | High | 5700 | AV   | 5725.000 | -46.25 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5727.130 | -45.95 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -47.16 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -35.01 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5726.696 | -34.13 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -34.79 | <=-21.2  | PASS |
|  | Ant2  | High | 5700 | AV   | 5725.000 | -47.34 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5727.130 | -46.64 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -47.4  | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -36.75 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5727.478 | -34.95 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -36.88 | <=-21.2  | PASS |
|  | total | High | 5700 | AV   | 5725.000 | -43.75 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5727.130 | -43.27 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -44.27 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -32.78 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5727.478 | -31.51 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -32.70 | <=-21.2  | PASS |
|  | Ant1  | Low  | 5745 | Peak | 5650.000 | -37.66 | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -37.03 | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -32.83 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -25.96 | <=27.00  | PASS |
|  | Ant2  | Low  | 5745 | Peak | 5650.000 | -36.52 | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -36.04 | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -32.72 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -25.3  | <=27.00  | PASS |
|  | total | Low  | 5745 | Peak | 5650.000 | -34.04 | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -33.50 | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -29.76 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -22.61 | <=27.00  | PASS |
|  | Ant1  | High | 5825 | Peak | 5850.000 | -29.27 | <=27.00  | PASS |
|  |       |      |      | Peak | 5855.000 | -33.21 | <=15.60  | PASS |
|  |       |      |      | Peak | 5875.000 | -36.59 | <=10.00  | PASS |
|  |       |      |      | Peak | 5925.000 | -36.52 | <=-27.00 | PASS |
|  | Ant2  | High | 5825 | Peak | 5850.000 | -29.5  | <=27.00  | PASS |
|  |       |      |      | Peak | 5855.000 | -35.44 | <=15.60  | PASS |
|  |       |      |      | Peak | 5875.000 | -36.23 | <=10.00  | PASS |
|  |       |      |      | Peak | 5925.000 | -35.95 | <=-27.00 | PASS |
|  | total | High | 5825 | Peak | 5850.000 | -26.37 | <=27.00  | PASS |



|           |       |      |      |      |          |        |          |      |
|-----------|-------|------|------|------|----------|--------|----------|------|
| 11N40MIMO | Ant1  | Low  | 5190 | Peak | 5855.000 | -31.17 | <=15.60  | PASS |
|           |       |      |      | Peak | 5875.000 | -33.40 | <=10.00  | PASS |
|           |       |      |      | Peak | 5925.000 | -33.22 | <=-27.00 | PASS |
|           |       |      |      | AV   | 4500.000 | -49.03 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5149.275 | -43.98 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5150.000 | -43.66 | <=-41.2  | PASS |
|           |       |      |      | Peak | 4500.000 | -37.44 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5148.261 | -30.58 | <=-21.2  | PASS |
|           | Ant2  | Low  | 5190 | Peak | 5150.000 | -30.38 | <=-21.2  | PASS |
|           |       |      |      | AV   | 4500.000 | -58.76 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5149.275 | -49.4  | <=-41.2  | PASS |
|           |       |      |      | AV   | 5150.000 | -48.99 | <=-41.2  | PASS |
|           |       |      |      | Peak | 4500.000 | -47.24 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5148.261 | -35.72 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5150.000 | -36.6  | <=-21.2  | PASS |
|           | total | Low  | 5190 | AV   | 4500.000 | -48.59 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5148.261 | -41.00 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5149.275 | -42.88 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5150.000 | -42.54 | <=-41.2  | PASS |
|           |       |      |      | Peak | 4500.000 | -37.01 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5148.261 | -29.42 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5150.000 | -29.45 | <=-21.2  | PASS |
|           | Ant1  | High | 5230 | AV   | 5350.000 | -56.05 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5447.942 | -54.73 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5460.000 | -56.3  | <=-41.2  | PASS |
|           |       |      |      | Peak | 5350.000 | -43.31 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5451.333 | -43.49 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5460.000 | -46.31 | <=-21.2  | PASS |
|           | Ant2  | High | 5230 | AV   | 5350.000 | -55.07 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5447.942 | -54.93 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5460.000 | -56.25 | <=-41.2  | PASS |
|           |       |      |      | Peak | 5350.000 | -46.79 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5420.058 | -43.74 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5460.000 | -46.95 | <=-21.2  | PASS |
|           | total | High | 5230 | AV   | 5350.000 | -52.52 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5447.942 | -51.82 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5460.000 | -53.26 | <=-41.2  | PASS |
|           |       |      |      | Peak | 5350.000 | -41.70 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5420.058 | -40.60 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5460.000 | -43.61 | <=-21.2  | PASS |
|           | Ant1  | High | 5310 | AV   | 5350.000 | -44.35 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5350.087 | -44.35 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5460.000 | -46.83 | <=-41.2  | PASS |
|           |       |      |      | Peak | 5350.000 | -33.79 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5357.971 | -33.06 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5460.000 | -38.25 | <=-21.2  | PASS |
|           | Ant2  | High | 5310 | AV   | 5350.000 | -45.04 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5350.319 | -44.98 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5460.000 | -47.31 | <=-41.2  | PASS |
|           |       |      |      | Peak | 5350.000 | -33.4  | <=-21.2  | PASS |
|           |       |      |      | Peak | 5350.087 | -33.48 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5460.000 | -37.97 | <=-21.2  | PASS |
|           | total | High | 5310 | AV   | 5350.000 | -41.67 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5350.319 | -41.64 | <=-41.2  | PASS |
|           |       |      |      | AV   | 5460.000 | -44.05 | <=-41.2  | PASS |
|           |       |      |      | Peak | 5350.000 | -30.58 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5350.087 | -30.25 | <=-21.2  | PASS |
|           |       |      |      | Peak | 5460.000 | -35.10 | <=-21.2  | PASS |
|           | Ant1  | Low  | 5510 | AV   | 5460.000 | -46.24 | <=-41.2  | PASS |



|  |       |      |      |      |          |        |          |      |
|--|-------|------|------|------|----------|--------|----------|------|
|  |       |      |      | AV   | 5469.783 | -43.77 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5470.000 | -43.93 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -34.61 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5468.870 | -31.75 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5470.000 | -32.36 | <=-21.2  | PASS |
|  | Ant2  | Low  | 5510 | AV   | 5460.000 | -46.44 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5468.971 | -45.77 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5470.000 | -45.97 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -36.6  | <=-21.2  | PASS |
|  |       |      |      | Peak | 5460.551 | -34.99 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5470.000 | -35.58 | <=-21.2  | PASS |
|  | total | Low  | 5510 | AV   | 5460.000 | -43.33 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5468.971 | -41.65 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5469.174 | -41.02 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5470.000 | -41.82 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -32.48 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5460.551 | -30.06 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5463.290 | -28.50 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5470.000 | -30.67 | <=-21.2  | PASS |
|  | Ant1  | High | 5670 | AV   | 5725.000 | -47.02 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5725.652 | -46.25 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -46.85 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -37.7  | <=-21.2  | PASS |
|  |       |      |      | Peak | 5734.928 | -35.43 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -35.5  | <=-21.2  | PASS |
|  | Ant2  | High | 5670 | AV   | 5725.000 | -47.39 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5726.232 | -46.65 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -47.48 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -38.97 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5733.768 | -35.43 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -37.43 | <=-21.2  | PASS |
|  | total | High | 5670 | AV   | 5725.000 | -44.19 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5726.232 | -43.44 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -44.14 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -35.28 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5733.768 | -32.42 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -33.35 | <=-21.2  | PASS |
|  | Ant1  | Low  | 5755 | Peak | 5650.000 | -38.26 | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -35.48 | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -23.06 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -21.83 | <=27.00  | PASS |
|  | Ant2  | Low  | 5755 | Peak | 5650.000 | -36.87 | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -35.55 | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -21.06 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -22.6  | <=27.00  | PASS |
|  | total | Low  | 5755 | Peak | 5650.000 | -34.50 | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -32.50 | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -18.94 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -19.19 | <=27.00  | PASS |
|  | Ant1  | High | 5795 | Peak | 5850.000 | -34.6  | <=27.00  | PASS |
|  |       |      |      | Peak | 5855.000 | -34.83 | <=15.60  | PASS |
|  |       |      |      | Peak | 5875.000 | -35.97 | <=10.00  | PASS |
|  |       |      |      | Peak | 5925.000 | -37.38 | <=-27.00 | PASS |
|  | Ant2  | High | 5795 | Peak | 5850.000 | -35.66 | <=27.00  | PASS |
|  |       |      |      | Peak | 5855.000 | -36.26 | <=15.60  | PASS |
|  |       |      |      | Peak | 5875.000 | -34.7  | <=10.00  | PASS |
|  |       |      |      | Peak | 5925.000 | -37.19 | <=-27.00 | PASS |
|  | total | High | 5795 | Peak | 5850.000 | -32.09 | <=27.00  | PASS |
|  |       |      |      | Peak | 5855.000 | -32.48 | <=15.60  | PASS |



|            |       |      |      |      |          |        |          |      |
|------------|-------|------|------|------|----------|--------|----------|------|
| 11AC20MIMO | Ant1  | Low  | 5180 | Peak | 5875.000 | -32.28 | <=10.00  | PASS |
|            |       |      |      | Peak | 5925.000 | -34.27 | <=-27.00 | PASS |
|            |       |      |      | AV   | 4500.000 | -48.62 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5032.609 | -45.26 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5150.000 | -46.24 | <=-41.2  | PASS |
|            |       |      |      | Peak | 4500.000 | -38.16 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5144.203 | -34.47 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5150.000 | -34.32 | <=-21.2  | PASS |
|            | Ant2  | Low  | 5180 | AV   | 4500.000 | -48.61 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5035.652 | -45.08 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5150.000 | -46.78 | <=-41.2  | PASS |
|            |       |      |      | Peak | 4500.000 | -36.83 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5100.580 | -33.93 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5150.000 | -35.23 | <=-21.2  | PASS |
|            | total | Low  | 5180 | AV   | 4500.000 | -45.60 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5035.652 | -42.16 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5150.000 | -43.49 | <=-41.2  | PASS |
|            |       |      |      | Peak | 4500.000 | -34.43 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5100.580 | -31.18 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5150.000 | -31.74 | <=-21.2  | PASS |
|            | Ant1  | High | 5240 | AV   | 5350.000 | -46.9  | <=-41.2  | PASS |
|            |       |      |      | AV   | 5447.826 | -45.11 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5460.000 | -46.88 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5350.000 | -38.12 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5390.087 | -34.68 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5460.000 | -37.13 | <=-21.2  | PASS |
|            | Ant2  | High | 5240 | AV   | 5350.000 | -47.03 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5447.478 | -44.9  | <=-41.2  | PASS |
|            |       |      |      | AV   | 5460.000 | -46.84 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5350.000 | -36.52 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5447.826 | -33.99 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5460.000 | -36.52 | <=-21.2  | PASS |
|            | total | High | 5240 | AV   | 5350.000 | -43.95 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5447.478 | -41.99 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5460.000 | -43.85 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5350.000 | -34.24 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5447.826 | -31.31 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5460.000 | -33.80 | <=-21.2  | PASS |
|            | Ant1  | High | 5320 | AV   | 5350.000 | -47.31 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5449.101 | -45.49 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5460.000 | -47.09 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5350.000 | -37.61 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5367.942 | -34.58 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5460.000 | -37.66 | <=-21.2  | PASS |
|            | Ant2  | High | 5320 | AV   | 5350.000 | -46.99 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5448.870 | -45.5  | <=-41.2  | PASS |
|            |       |      |      | AV   | 5460.000 | -47.23 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5350.000 | -36.37 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5448.638 | -34.69 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5460.000 | -37.68 | <=-21.2  | PASS |
|            | total | High | 5320 | AV   | 5350.000 | -44.14 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5448.870 | -42.48 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5460.000 | -44.15 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5350.000 | -33.94 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5448.638 | -31.62 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5460.000 | -34.66 | <=-21.2  | PASS |
|            | Ant1  | Low  | 5500 | AV   | 5460.000 | -47.19 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5463.478 | -47.01 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5470.000 | -47.18 | <=-41.2  | PASS |



|            |       |      |      |      |          |        |          |      |
|------------|-------|------|------|------|----------|--------|----------|------|
|            |       |      |      | Peak | 5460.000 | -36.48 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5467.652 | -35.74 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5470.000 | -37.54 | <=-21.2  | PASS |
|            | Ant2  | Low  | 5500 | AV   | 5460.000 | -46.79 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5466.261 | -46.63 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5470.000 | -47.22 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5460.000 | -37.28 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5468.870 | -35.39 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5470.000 | -36.71 | <=-21.2  | PASS |
|            |       |      |      | AV   | 5460.000 | -43.98 | <=-41.2  | PASS |
|            | total | Low  | 5500 | AV   | 5466.261 | -43.81 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5470.000 | -44.19 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5460.000 | -33.85 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5468.870 | -32.55 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5470.000 | -34.09 | <=-21.2  | PASS |
|            | Ant1  | High | 5700 | AV   | 5725.000 | -46.01 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5726.609 | -45.26 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5735.000 | -46.58 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5725.000 | -33.86 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5727.391 | -32.89 | <=-21.2  | PASS |
|            | Ant2  | High | 5700 | Peak | 5735.000 | -35.57 | <=-21.2  | PASS |
|            |       |      |      | AV   | 5725.000 | -46.93 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5726.783 | -46.12 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5735.000 | -47.11 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5725.000 | -36.74 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5734.261 | -34.1  | <=-21.2  | PASS |
|            | total | High | 5700 | Peak | 5735.000 | -36.91 | <=-21.2  | PASS |
|            |       |      |      | AV   | 5725.000 | -43.44 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5726.783 | -42.66 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5735.000 | -43.83 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5725.000 | -32.06 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5734.261 | -30.44 | <=-21.2  | PASS |
|            | Ant1  | Low  | 5745 | Peak | 5735.000 | -33.18 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5650.000 | -37.97 | <=-27.00 | PASS |
|            |       |      |      | Peak | 5700.000 | -36.65 | <=10.00  | PASS |
|            |       |      |      | Peak | 5720.000 | -34.28 | <=15.60  | PASS |
|            | Ant2  | Low  | 5745 | Peak | 5725.000 | -25.73 | <=27.00  | PASS |
|            |       |      |      | Peak | 5650.000 | -36.97 | <=-27.00 | PASS |
|            |       |      |      | Peak | 5700.000 | -35.47 | <=10.00  | PASS |
|            |       |      |      | Peak | 5720.000 | -34.07 | <=15.60  | PASS |
|            | total | Low  | 5745 | Peak | 5725.000 | -26.46 | <=27.00  | PASS |
|            |       |      |      | Peak | 5650.000 | -34.43 | <=-27.00 | PASS |
|            |       |      |      | Peak | 5700.000 | -33.01 | <=10.00  | PASS |
|            |       |      |      | Peak | 5720.000 | -31.16 | <=15.60  | PASS |
|            | Ant1  | High | 5825 | Peak | 5725.000 | -23.07 | <=27.00  | PASS |
|            |       |      |      | Peak | 5850.000 | -31.41 | <=15.60  | PASS |
|            |       |      |      | Peak | 5855.000 | -35.06 | <=27.00  | PASS |
|            |       |      |      | Peak | 5875.000 | -36.5  | <=15.60  | PASS |
|            | Ant2  | High | 5825 | Peak | 5925.000 | -37.32 | <=10.00  | PASS |
|            |       |      |      | Peak | 5850.000 | -34.48 | <=27.00  | PASS |
|            |       |      |      | Peak | 5855.000 | -35.39 | <=15.60  | PASS |
|            |       |      |      | Peak | 5875.000 | -35.92 | <=10.00  | PASS |
|            | total | High | 5825 | Peak | 5925.000 | -36.77 | <=-27.00 | PASS |
|            |       |      |      | Peak | 5850.000 | -29.67 | <=27.00  | PASS |
|            |       |      |      | Peak | 5855.000 | -32.21 | <=15.60  | PASS |
|            |       |      |      | Peak | 5875.000 | -33.19 | <=10.00  | PASS |
| 11AC40MIMO | Ant1  | Low  | 5190 | Peak | 5925.000 | -34.03 | <=-27.00 | PASS |
|            |       |      |      | AV   | 4500.000 | -58.14 | <=-41.2  | PASS |
|            |       |      |      | AV   | 4823.623 | -44.39 | <=-41.2  | PASS |



|       |      |      |  |      |          |        |         |      |
|-------|------|------|--|------|----------|--------|---------|------|
|       |      |      |  | AV   | 5150.000 | -45.89 | <=-41.2 | PASS |
|       |      |      |  | Peak | 4500.000 | -47.3  | <=-21.2 | PASS |
|       |      |      |  | Peak | 5149.275 | -31.53 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5150.000 | -29.85 | <=-21.2 | PASS |
| Ant2  | Low  | 5190 |  | AV   | 4500.000 | -58.44 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5148.261 | -50.06 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5150.000 | -49.02 | <=-41.2 | PASS |
|       |      |      |  | Peak | 4500.000 | -47.48 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5148.261 | -35.86 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5150.000 | -35.11 | <=-21.2 | PASS |
| total | Low  | 5190 |  | AV   | 4500.000 | -55.28 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5148.261 | -43.35 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5150.000 | -44.17 | <=-41.2 | PASS |
|       |      |      |  | Peak | 4500.000 | -44.38 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5148.261 | -30.17 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5150.000 | -28.72 | <=-21.2 | PASS |
| Ant1  | High | 5230 |  | AV   | 5350.000 | -55.91 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5448.319 | -54.5  | <=-41.2 | PASS |
|       |      |      |  | AV   | 5460.000 | -56.42 | <=-41.2 | PASS |
|       |      |      |  | Peak | 5350.000 | -46.18 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5448.319 | -43.79 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5460.000 | -46.18 | <=-21.2 | PASS |
| Ant2  | High | 5230 |  | AV   | 5350.000 | -54.54 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5447.942 | -54.16 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5460.000 | -55.99 | <=-41.2 | PASS |
|       |      |      |  | Peak | 5350.000 | -46.99 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5415.913 | -43.03 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5460.000 | -44.82 | <=-21.2 | PASS |
| total | High | 5230 |  | AV   | 5350.000 | -52.16 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5447.942 | -51.32 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5460.000 | -53.19 | <=-41.2 | PASS |
|       |      |      |  | Peak | 5350.000 | -43.56 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5415.913 | -40.38 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5460.000 | -42.44 | <=-21.2 | PASS |
| Ant1  | High | 5310 |  | AV   | 5350.000 | -46    | <=-41.2 | PASS |
|       |      |      |  | AV   | 5448.174 | -45.35 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5460.000 | -47.01 | <=-41.2 | PASS |
|       |      |      |  | Peak | 5350.000 | -36.11 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5447.710 | -33.82 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5460.000 | -37.26 | <=-21.2 | PASS |
| Ant2  | High | 5310 |  | AV   | 5350.000 | -46.08 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5447.710 | -45.25 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5460.000 | -46.86 | <=-41.2 | PASS |
|       |      |      |  | Peak | 5350.000 | -35.76 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5449.333 | -34.22 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5460.000 | -36.24 | <=-21.2 | PASS |
| total | High | 5310 |  | AV   | 5350.000 | -43.03 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5447.710 | -42.29 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5460.000 | -43.92 | <=-41.2 | PASS |
|       |      |      |  | Peak | 5350.000 | -32.92 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5449.333 | -31.01 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5460.000 | -33.71 | <=-21.2 | PASS |
| Ant1  | Low  | 5510 |  | AV   | 5460.000 | -46.48 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5469.174 | -45.54 | <=-41.2 | PASS |
|       |      |      |  | AV   | 5470.000 | -45.55 | <=-41.2 | PASS |
|       |      |      |  | Peak | 5460.000 | -36.37 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5468.870 | -33.97 | <=-21.2 | PASS |
|       |      |      |  | Peak | 5470.000 | -34.23 | <=-21.2 | PASS |
| Ant2  | Low  | 5510 |  | AV   | 5460.000 | -46.26 | <=-41.2 | PASS |



|            |       |      |      |      |          |        |          |      |
|------------|-------|------|------|------|----------|--------|----------|------|
|            |       |      |      | AV   | 5465.522 | -45.75 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5470.000 | -46.1  | <=-41.2  | PASS |
|            |       |      |      | Peak | 5460.000 | -35.81 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5461.464 | -34.74 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5470.000 | -36.78 | <=-21.2  | PASS |
|            | total | Low  | 5510 | AV   | 5460.000 | -43.36 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5465.522 | -42.63 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5470.000 | -42.81 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5460.000 | -33.07 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5461.464 | -31.33 | <=-21.2  | PASS |
|            | Ant1  | High | 5670 | Peak | 5470.000 | -32.31 | <=-21.2  | PASS |
|            |       |      |      | AV   | 5725.000 | -46.95 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5734.783 | -46.22 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5735.000 | -46.17 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5725.000 | -39.13 | <=-21.2  | PASS |
|            | Ant2  | High | 5670 | Peak | 5733.913 | -34.05 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5735.000 | -36.82 | <=-21.2  | PASS |
|            |       |      |      | AV   | 5725.000 | -47.08 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5728.261 | -46.23 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5735.000 | -46.87 | <=-41.2  | PASS |
|            | total | High | 5670 | Peak | 5725.000 | -39.64 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5732.754 | -34.83 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5735.000 | -36.84 | <=-21.2  | PASS |
|            |       |      |      | AV   | 5725.000 | -44.00 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5728.261 | -43.21 | <=-41.2  | PASS |
|            | Ant1  | Low  | 5755 | AV   | 5735.000 | -43.50 | <=-41.2  | PASS |
|            |       |      |      | Peak | 5725.000 | -36.37 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5732.754 | -31.41 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5735.000 | -33.82 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5650.000 | -44.95 | <=-27.00 | PASS |
|            | Ant2  | Low  | 5755 | Peak | 5700.000 | -40.65 | <=10.00  | PASS |
|            |       |      |      | Peak | 5720.000 | -22.6  | <=15.60  | PASS |
|            |       |      |      | Peak | 5725.000 | -25.33 | <=27.00  | PASS |
|            |       |      |      | Peak | 5650.000 | -37.32 | <=-27.00 | PASS |
|            |       |      |      | Peak | 5700.000 | -35.5  | <=10.00  | PASS |
|            | total | Low  | 5755 | Peak | 5720.000 | -26.32 | <=15.60  | PASS |
|            |       |      |      | Peak | 5725.000 | -25.93 | <=27.00  | PASS |
|            |       |      |      | Peak | 5650.000 | -36.63 | <=-27.00 | PASS |
|            |       |      |      | Peak | 5700.000 | -34.34 | <=10.00  | PASS |
|            |       |      |      | Peak | 5720.000 | -21.06 | <=15.60  | PASS |
| 11AC80MIMO | Ant1  | High | 5795 | Peak | 5725.000 | -22.61 | <=27.00  | PASS |
|            |       |      |      | Peak | 5850.000 | -36.79 | <=27.00  | PASS |
|            |       |      |      | Peak | 5855.000 | -34.79 | <=15.60  | PASS |
|            |       |      |      | Peak | 5875.000 | -35.26 | <=10.00  | PASS |
|            | Ant2  | High | 5795 | Peak | 5925.000 | -37.13 | <=-27.00 | PASS |
|            |       |      |      | Peak | 5850.000 | -36.03 | <=27.00  | PASS |
|            |       |      |      | Peak | 5855.000 | -35.62 | <=15.60  | PASS |
|            |       |      |      | Peak | 5875.000 | -35.2  | <=10.00  | PASS |
|            | total | High | 5795 | Peak | 5925.000 | -37.42 | <=-27.00 | PASS |
|            |       |      |      | Peak | 5850.000 | -33.38 | <=27.00  | PASS |
|            |       |      |      | Peak | 5855.000 | -32.17 | <=15.60  | PASS |
|            |       |      |      | Peak | 5875.000 | -32.22 | <=10.00  | PASS |
|            | Ant1  | Low  | 5210 | Peak | 5925.000 | -34.26 | <=-27.00 | PASS |
|            |       |      |      | AV   | 4500.000 | -58.19 | <=-41.2  | PASS |
|            |       |      |      | AV   | 4758.696 | -55.25 | <=-41.2  | PASS |
|            |       |      |      | AV   | 5150.000 | -56.06 | <=-41.2  | PASS |
| 11AC80MIMO | Ant1  | Low  | 5210 | Peak | 4500.000 | -48.78 | <=-21.2  | PASS |
|            |       |      |      | Peak | 4825.000 | -42.91 | <=-21.2  | PASS |
|            |       |      |      | Peak | 5150.000 | -45.62 | <=-21.2  | PASS |
|            |       |      |      |      |          |        |          |      |
|            |       |      |      |      |          |        |          |      |



|  |       |      |      |      |          |        |         |      |
|--|-------|------|------|------|----------|--------|---------|------|
|  | Ant2  | Low  | 5210 | AV   | 4500.000 | -58.98 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5025.000 | -54.84 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5150.000 | -55.41 | <=-41.2 | PASS |
|  |       |      |      | Peak | 4500.000 | -48.29 | <=-21.2 | PASS |
|  |       |      |      | Peak | 4823.913 | -43.69 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5150.000 | -44.97 | <=-21.2 | PASS |
|  |       |      |      | AV   | 4500.000 | -55.56 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5025.000 | -52.03 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5150.000 | -52.71 | <=-41.2 | PASS |
|  |       |      |      | Peak | 4500.000 | -45.52 | <=-21.2 | PASS |
|  |       |      |      | Peak | 4823.913 | -40.27 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5150.000 | -42.27 | <=-21.2 | PASS |
|  | Ant1  | High | 5210 | AV   | 5350.000 | -45.13 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5447.420 | -43.68 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5460.000 | -45.56 | <=-41.2 | PASS |
|  |       |      |      | Peak | 5350.000 | -37.9  | <=-21.2 | PASS |
|  |       |      |      | Peak | 5453.507 | -33.6  | <=-21.2 | PASS |
|  |       |      |      | Peak | 5460.000 | -36.22 | <=-21.2 | PASS |
|  | Ant2  | High | 5210 | AV   | 5350.000 | -60.16 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5363.014 | -59.76 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5460.000 | -63.64 | <=-41.2 | PASS |
|  |       |      |      | Peak | 5350.000 | -50.49 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5384.522 | -49.92 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5460.000 | -54.55 | <=-21.2 | PASS |
|  | total | High | 5210 | AV   | 5350.000 | -45.00 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5363.014 | -43.57 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5460.000 | -45.49 | <=-41.2 | PASS |
|  |       |      |      | Peak | 5350.000 | -37.67 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5384.522 | -33.50 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5460.000 | -36.16 | <=-21.2 | PASS |
|  | Ant1  | High | 5290 | AV   | 5350.000 | -48.6  | <=-41.2 | PASS |
|  |       |      |      | AV   | 5350.435 | -48.6  | <=-41.2 | PASS |
|  |       |      |      | AV   | 5460.000 | -56.75 | <=-41.2 | PASS |
|  |       |      |      | Peak | 5350.000 | -39.02 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5350.145 | -39.54 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5460.000 | -47.95 | <=-21.2 | PASS |
|  | Ant2  | High | 5290 | AV   | 5350.000 | -51.39 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5350.145 | -51.57 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5460.000 | -56.62 | <=-41.2 | PASS |
|  |       |      |      | Peak | 5350.000 | -42.75 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5386.087 | -41.12 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5460.000 | -48.3  | <=-21.2 | PASS |
|  | total | High | 5290 | AV   | 5350.000 | -46.76 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5350.145 | -46.83 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5460.000 | -53.67 | <=-41.2 | PASS |
|  |       |      |      | Peak | 5350.000 | -37.49 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5386.087 | -37.25 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5447.826 | -30.49 | <=-21.2 | PASS |
|  | Ant1  | Low  | 5530 | Peak | 5460.000 | -45.11 | <=-21.2 | PASS |
|  |       |      |      | AV   | 5460.000 | -45.91 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5464.696 | -44.46 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5470.000 | -45.04 | <=-41.2 | PASS |
|  |       |      |      | Peak | 5460.000 | -37.42 | <=-21.2 | PASS |
|  |       |      |      | Peak | 5465.449 | -34.92 | <=-21.2 | PASS |
|  | Ant2  | Low  | 5530 | Peak | 5470.000 | -35.9  | <=-21.2 | PASS |
|  |       |      |      | AV   | 5460.000 | -45.34 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5468.652 | -44.33 | <=-41.2 | PASS |
|  |       |      |      | AV   | 5470.000 | -45.09 | <=-41.2 | PASS |
|  |       |      |      | Peak | 5460.000 | -36.51 | <=-21.2 | PASS |



|  |       |      |      |      |          |        |          |      |
|--|-------|------|------|------|----------|--------|----------|------|
|  | total | Low  | 5530 | Peak | 5466.014 | -34.37 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5470.000 | -36.82 | <=-21.2  | PASS |
|  |       |      |      | AV   | 5460.000 | -42.61 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5468.652 | -41.38 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5470.000 | -42.05 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5460.000 | -33.93 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5466.014 | -31.63 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5470.000 | -33.33 | <=-21.2  | PASS |
|  | Ant1  | High | 5610 | AV   | 5725.000 | -45.6  | <=-41.2  | PASS |
|  |       |      |      | AV   | 5732.319 | -45.23 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -46.19 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -36.88 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5726.232 | -35.32 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -38.01 | <=-21.2  | PASS |
|  | Ant2  | High | 5610 | AV   | 5725.000 | -46.3  | <=-41.2  | PASS |
|  |       |      |      | AV   | 5727.391 | -45.01 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -46.47 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -37.36 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5732.319 | -35.79 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -36.63 | <=-21.2  | PASS |
|  | total | High | 5610 | AV   | 5725.000 | -42.93 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5727.391 | -42.11 | <=-41.2  | PASS |
|  |       |      |      | AV   | 5735.000 | -43.32 | <=-41.2  | PASS |
|  |       |      |      | Peak | 5725.000 | -34.10 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5732.319 | -32.54 | <=-21.2  | PASS |
|  |       |      |      | Peak | 5735.000 | -34.26 | <=-21.2  | PASS |
|  | Ant1  | Low  | 5775 | Peak | 5650.000 | -43.07 | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -29.23 | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -22.73 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -21.35 | <=27.00  | PASS |
|  | Ant2  | Low  | 5775 | Peak | 5650.000 | -39.87 | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -27.56 | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -24.69 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -22.54 | <=27.00  | PASS |
|  | total | Low  | 5775 | Peak | 5650.000 | -38.17 | <=-27.00 | PASS |
|  |       |      |      | Peak | 5700.000 | -25.30 | <=10.00  | PASS |
|  |       |      |      | Peak | 5720.000 | -20.59 | <=15.60  | PASS |
|  |       |      |      | Peak | 5725.000 | -18.89 | <=27.00  | PASS |
|  | Ant1  | High | 5775 | Peak | 5850.000 | -28.85 | <=27.00  | PASS |
|  |       |      |      | Peak | 5855.000 | -29.42 | <=15.60  | PASS |
|  |       |      |      | Peak | 5875.000 | -37.49 | <=10.00  | PASS |
|  |       |      |      | Peak | 5925.000 | -43.9  | <=-27.00 | PASS |
|  | Ant2  | High | 5775 | Peak | 5850.000 | -29.98 | <=27.00  | PASS |
|  |       |      |      | Peak | 5855.000 | -31.84 | <=15.60  | PASS |
|  |       |      |      | Peak | 5875.000 | -36.76 | <=10.00  | PASS |
|  |       |      |      | Peak | 5925.000 | -44.77 | <=-27.00 | PASS |
|  | total | High | 5775 | Peak | 5850.000 | -26.37 | <=27.00  | PASS |
|  |       |      |      | Peak | 5855.000 | -27.45 | <=15.60  | PASS |
|  |       |      |      | Peak | 5875.000 | -34.10 | <=10.00  | PASS |
|  |       |      |      | Peak | 5925.000 | -41.30 | <=-27.00 | PASS |

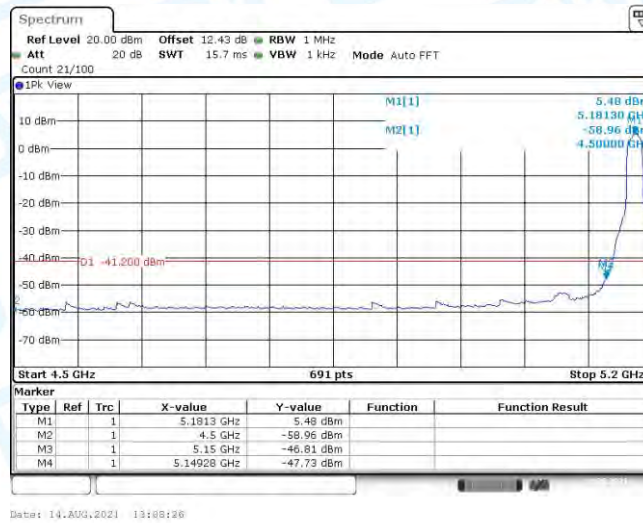
Note:

1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

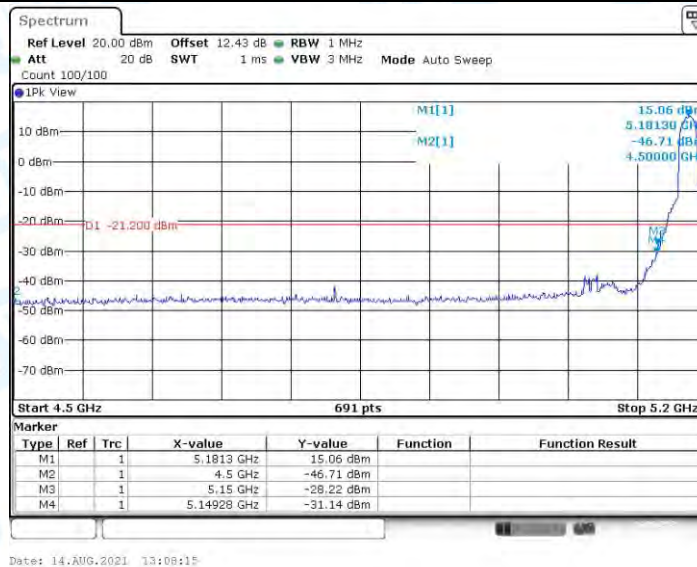


## 5.2. Test Graphs

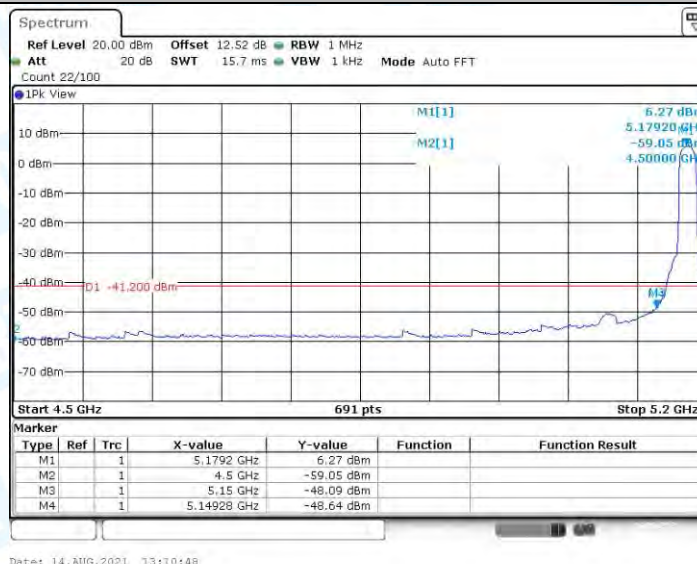
11A-CDD\_Ant1\_Low\_5180\_AV



11A-CDD\_Ant1\_Low\_5180\_Peak

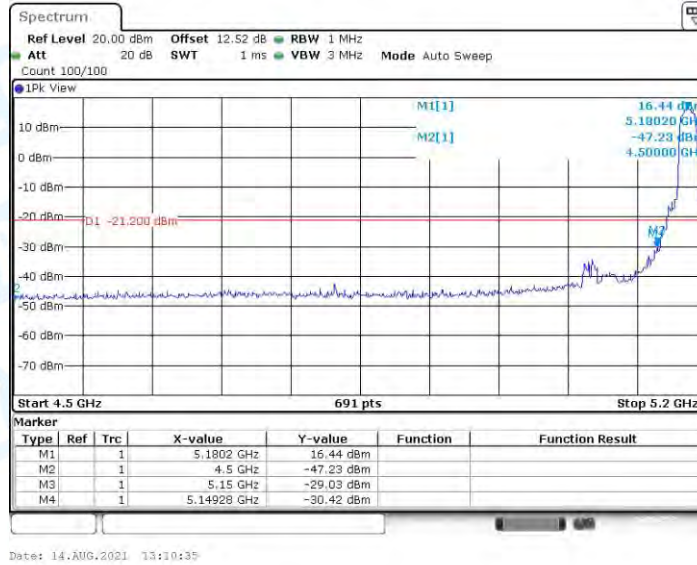


11A-CDD\_Ant2\_Low\_5180\_AV

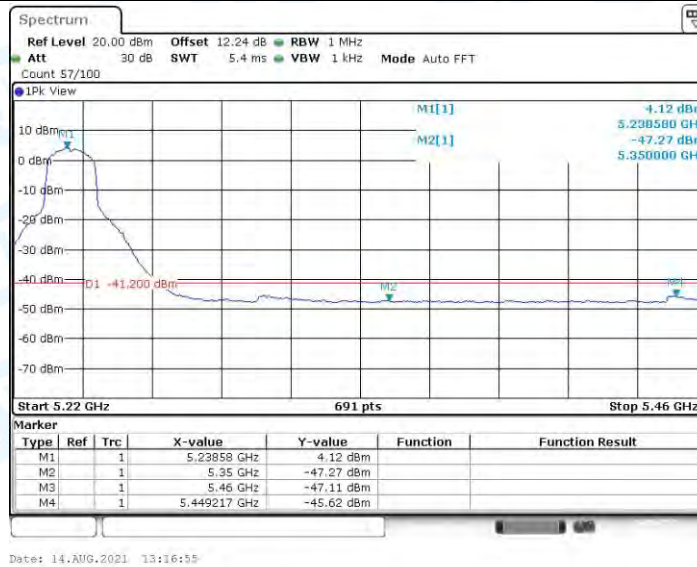




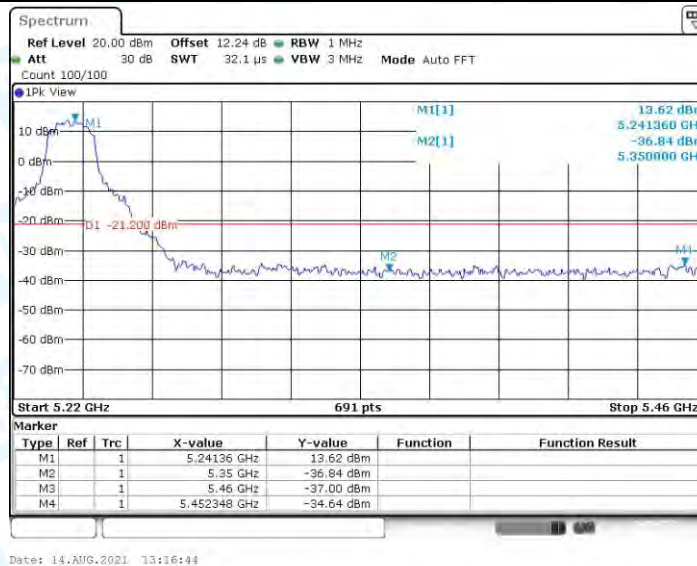
## 11A-CDD\_Ant2\_Low\_5180\_Peak



## 11A-CDD\_Ant1\_High\_5240\_AV

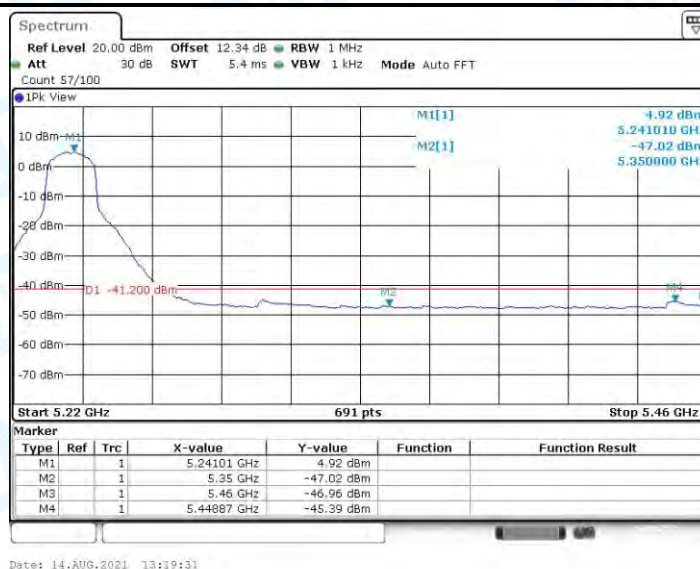


## 11A-CDD\_Ant1\_High\_5240\_Peak

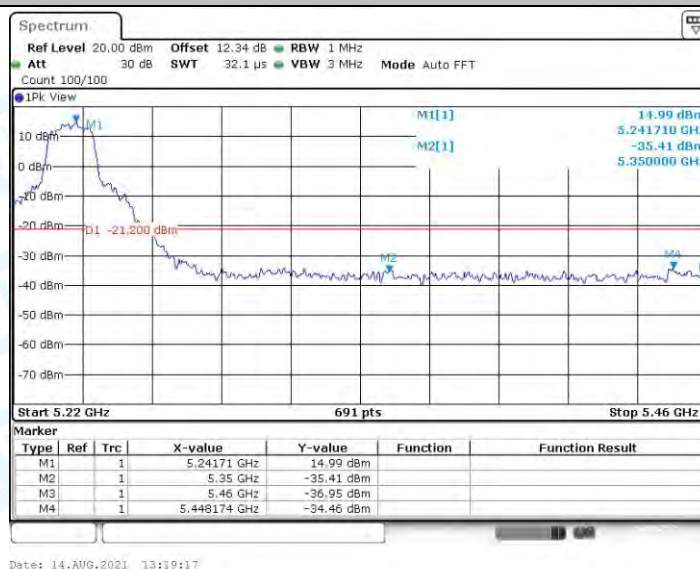


## 11A-CDD\_Ant2\_High\_5240\_AV

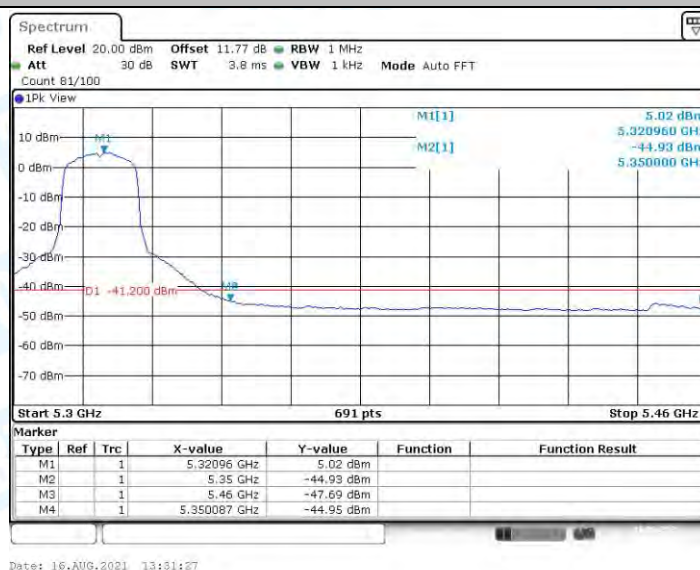




11A-CDD\_Ant2\_High\_5240\_Peak

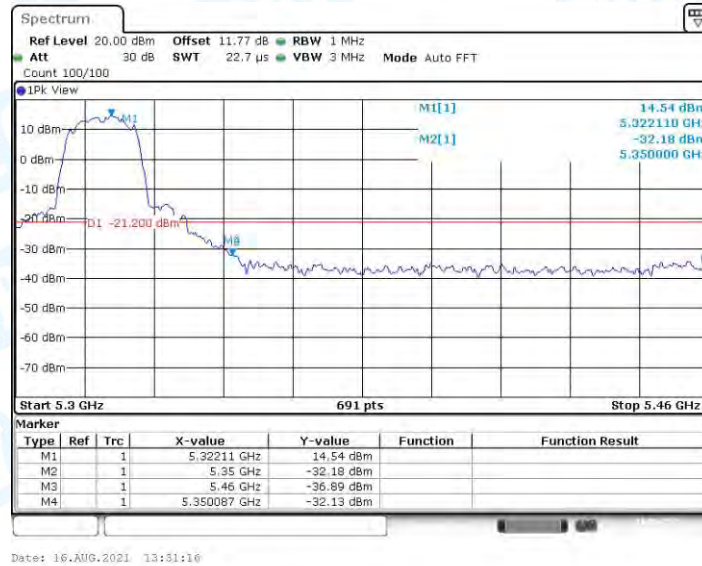


11A-CDD\_Ant1\_High\_5320\_AV

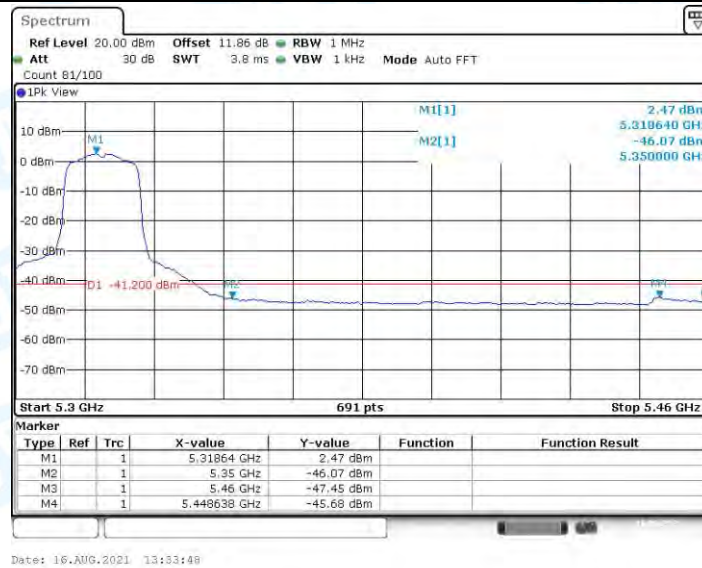


11A-CDD\_Ant1\_High\_5320\_Peak

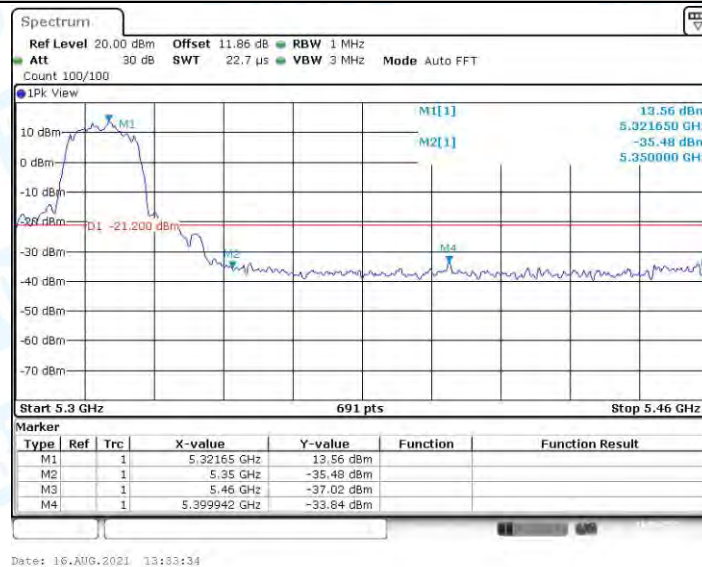




## 11A-CDD\_Ant2\_High\_5320\_AV

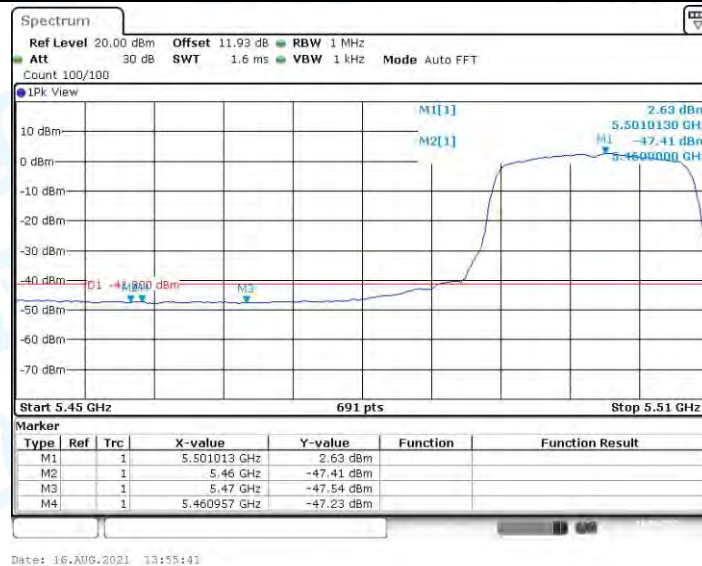


## 11A-CDD\_Ant2\_High\_5320\_Peak

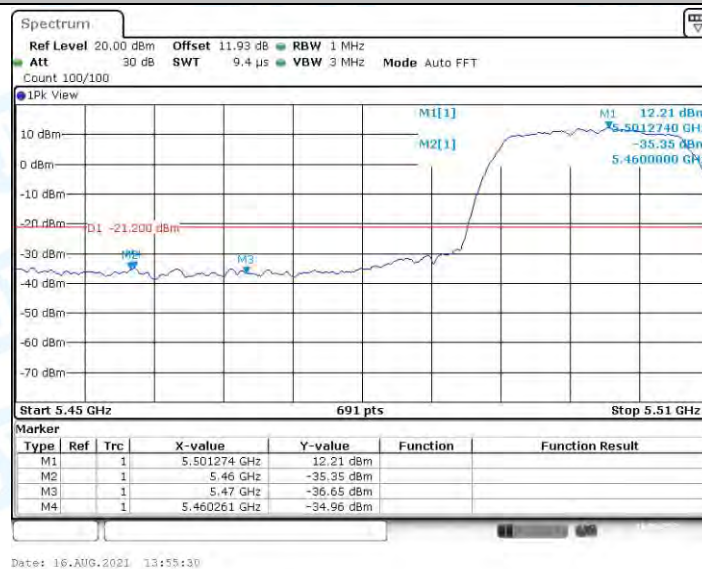


## 11A-CDD\_Ant1\_Low\_5500\_AV

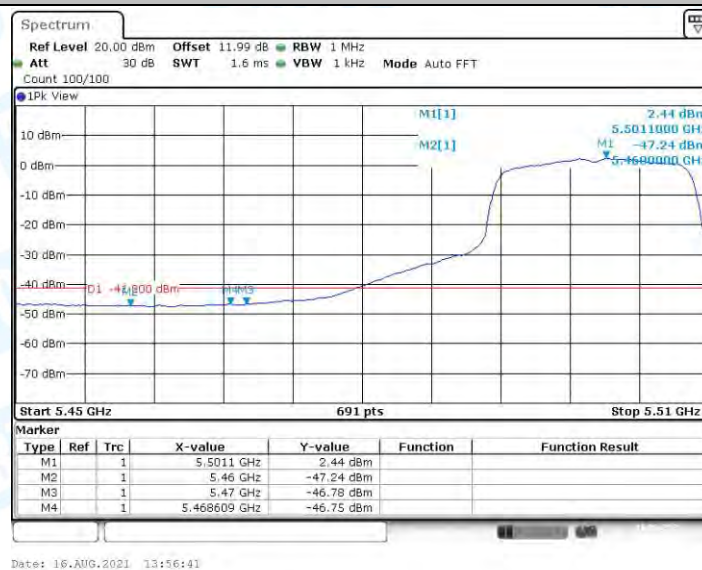




11A-CDD\_Ant1\_Low\_5500\_Peak

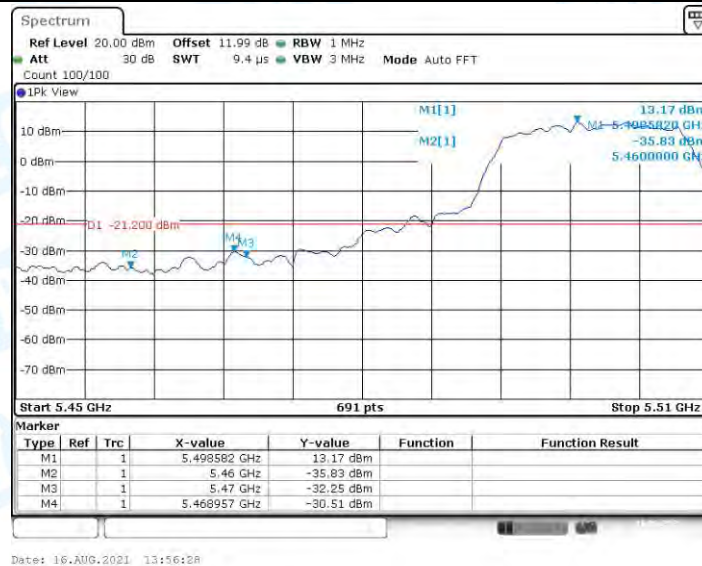


11A-CDD\_Ant2\_Low\_5500\_AV

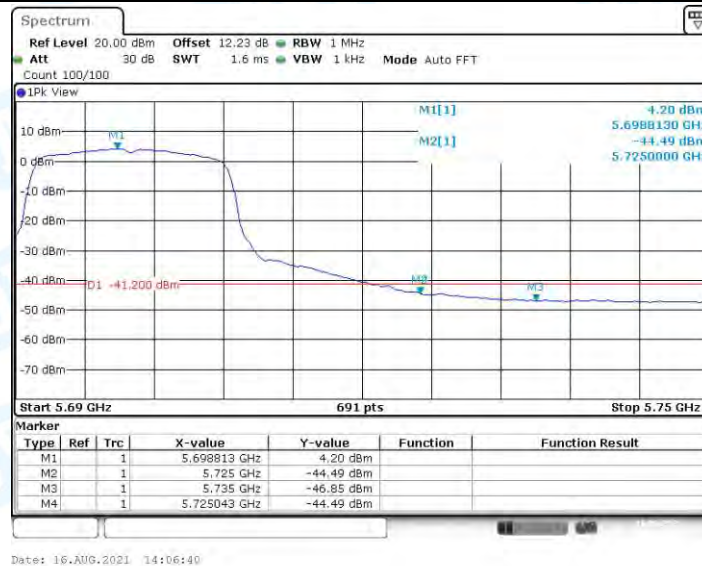


11A-CDD\_Ant2\_Low\_5500\_Peak





## 11A-CDD\_Ant1\_High\_5700\_AV

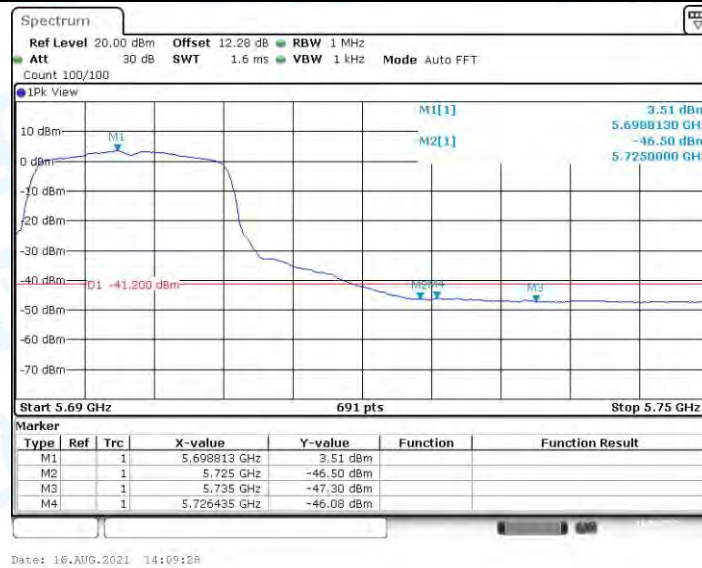


## 11A-CDD\_Ant1\_High\_5700\_Peak

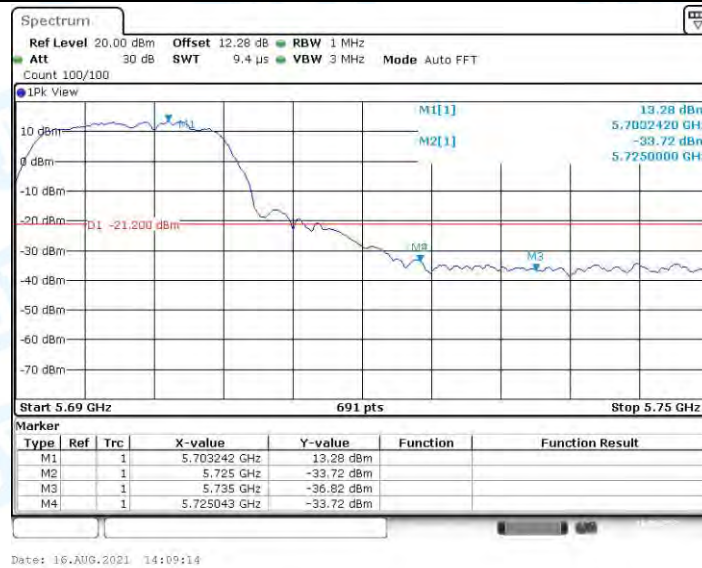


## 11A-CDD\_Ant2\_High\_5700\_AV

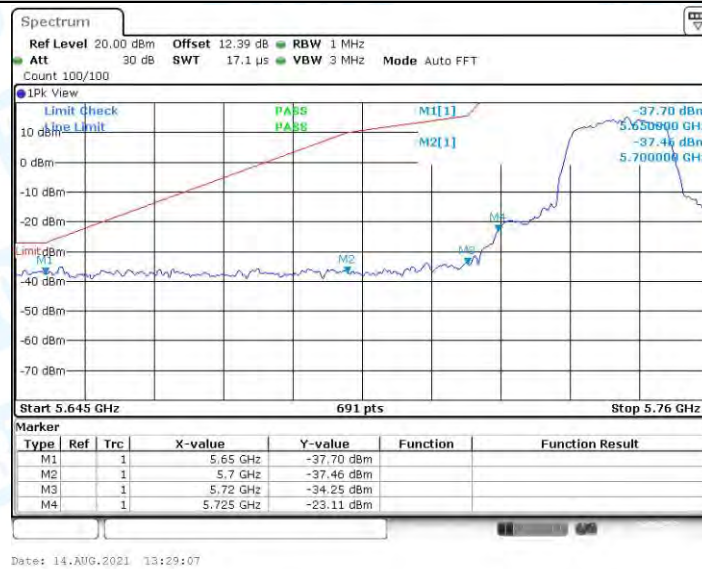




11A-CDD\_Ant2\_High\_5700\_Peak

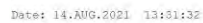


11A-CDD\_Ant1\_Low\_5745\_Peak



11A-CDD\_Ant2\_Low\_5745\_Peak





Spectrum

Ref Level 20.00 dBm Offset 12.06 dB RBW 1 MHz  
Att 30 dB SWT 18.8  $\mu$ s VBW 3 MHz Mode Auto FFT  
Count 100/100

LPk View

Limit Check  
Line Limit

Limit A18  
M18

M1[1]  
M2[1]

-23.70 dBm  
5.850000 GHz  
-28.17 dBm  
5.855000 GHz

M1  
M2  
M3  
M4

Start 5.8 GHz 691 pts Stop 5.935 GHz

Marker

| Type | Ref | Trc | X-value   | Y-value    | Function | Function Result |
|------|-----|-----|-----------|------------|----------|-----------------|
| M1   |     | 1   | 5.85 GHz  | -23.70 dBm |          |                 |
| M2   |     | 1   | 5.855 GHz | -28.17 dBm |          |                 |
| M3   |     | 1   | 5.875 GHz | -36.75 dBm |          |                 |
| M4   |     | 1   | 5.925 GHz | -37.37 dBm |          |                 |

Date: 14.AUG.2021 13:39:22

**Spectrum**

Ref Level 20.00 dBm Offset 12.09 dB RBW 1 MHz  
 Att 30 dB SWT 18.8  $\mu$ s VBW 3 MHz Mode Auto FFT  
 Count 100/100

**1Pk View**

Limit Check  
 Limit

Limit -32.00 dBm  
 M1[1] 5.850000 GHz -31.34 dBm  
 M2[1] 5.855000 GHz -31.34 dBm

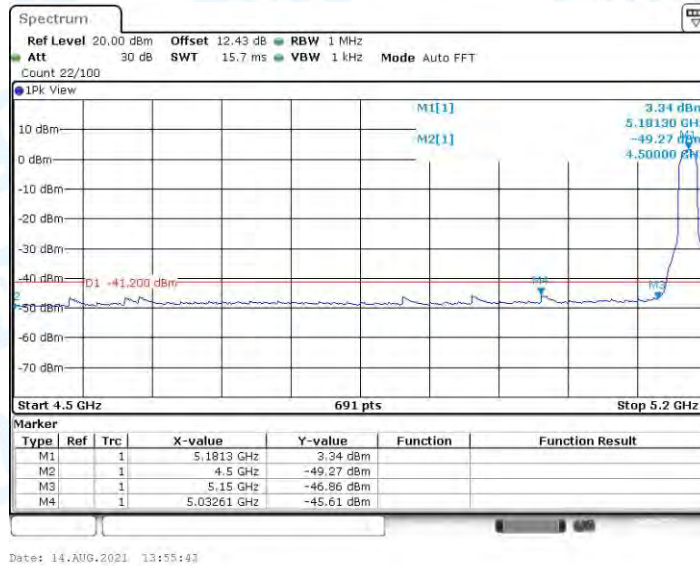
M1 M2 M3 M4

Start 5.8 GHz 691 pts Stop 5.935 GHz

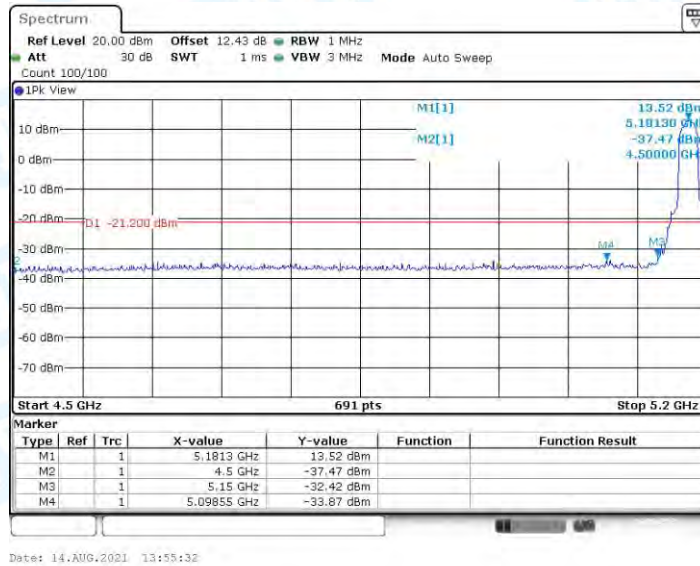
| Marker | Type | Ref | Trc | X-value   | Y-value    | Function | Function Result |
|--------|------|-----|-----|-----------|------------|----------|-----------------|
| M1     |      |     | 1   | 5.85 GHz  | -32.00 dBm |          |                 |
| M2     |      |     | 1   | 5.855 GHz | -31.34 dBm |          |                 |
| M3     |      |     | 1   | 5.875 GHz | -35.39 dBm |          |                 |
| M4     |      |     | 1   | 5.925 GHz | -36.43 dBm |          |                 |

**TB-RF-074-1.0**

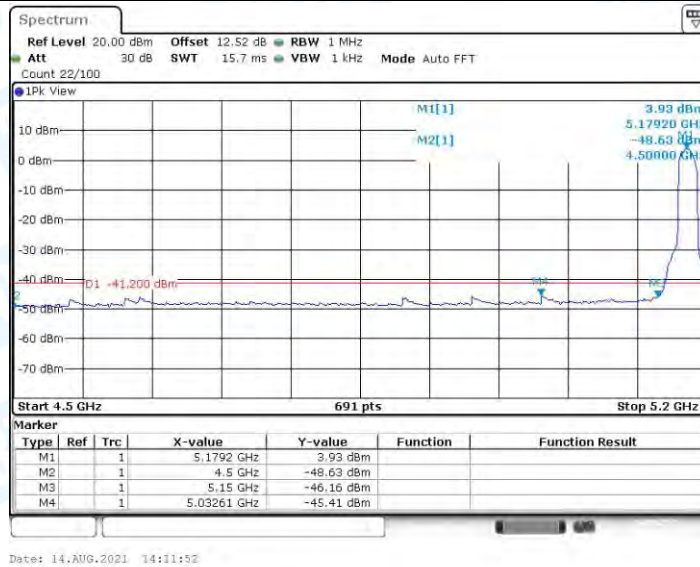




## 11N20MIMO\_Ant1\_Low\_5180\_Peak

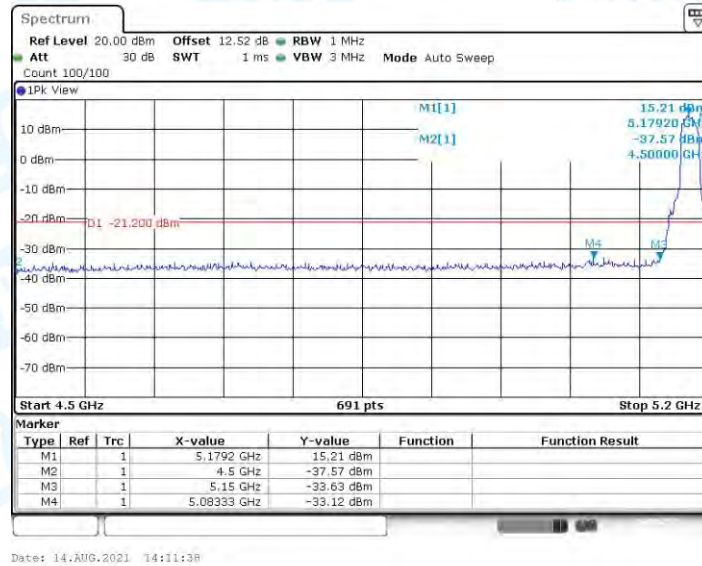


## 11N20MIMO\_Ant2\_Low\_5180\_AV

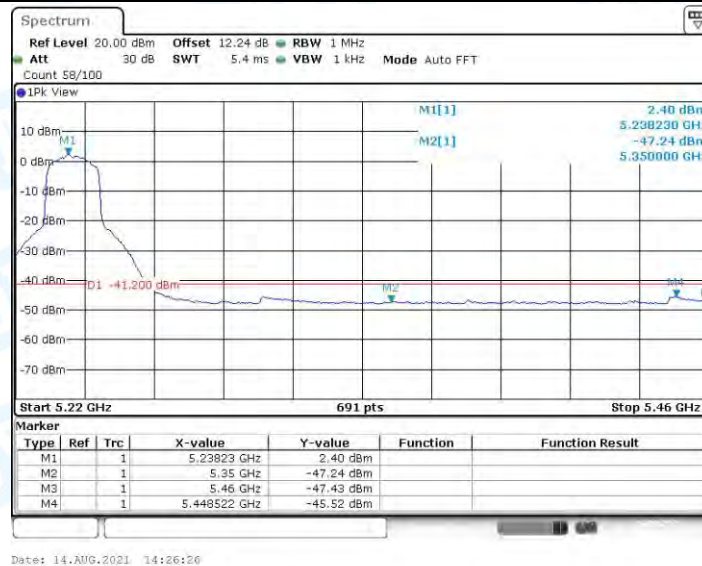


## 11N20MIMO\_Ant2\_Low\_5180\_Peak

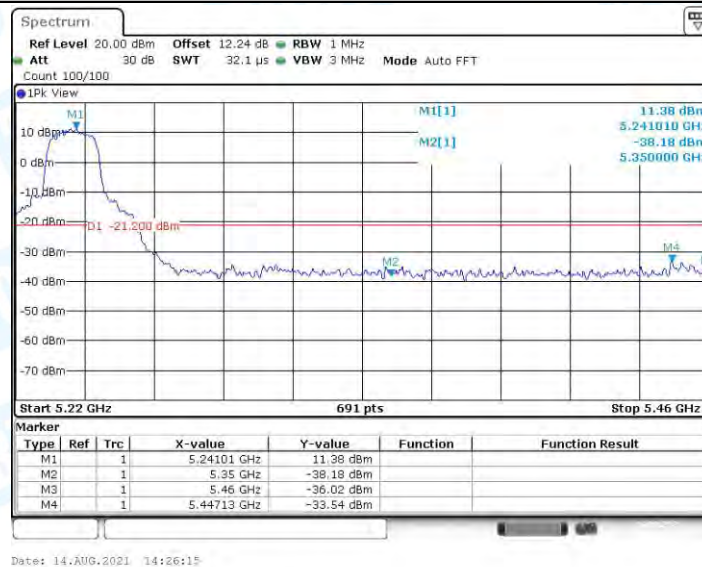




## 11N20MIMO\_Ant1\_High\_5240\_AV

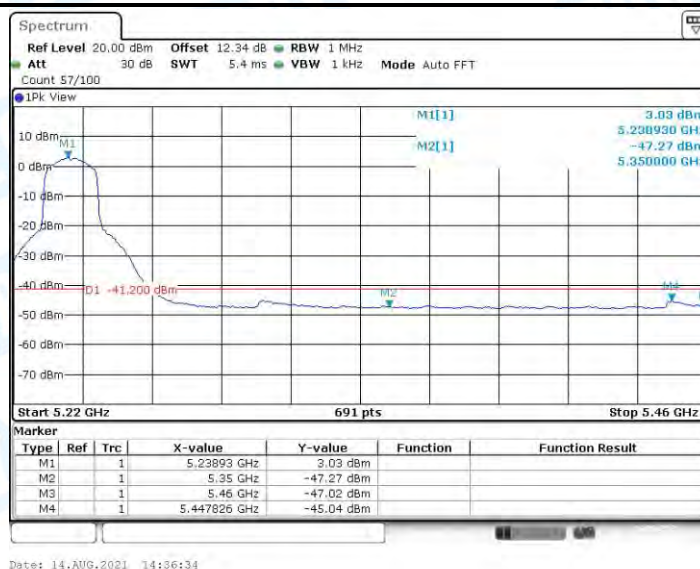


## 11N20MIMO\_Ant1\_High\_5240\_Peak

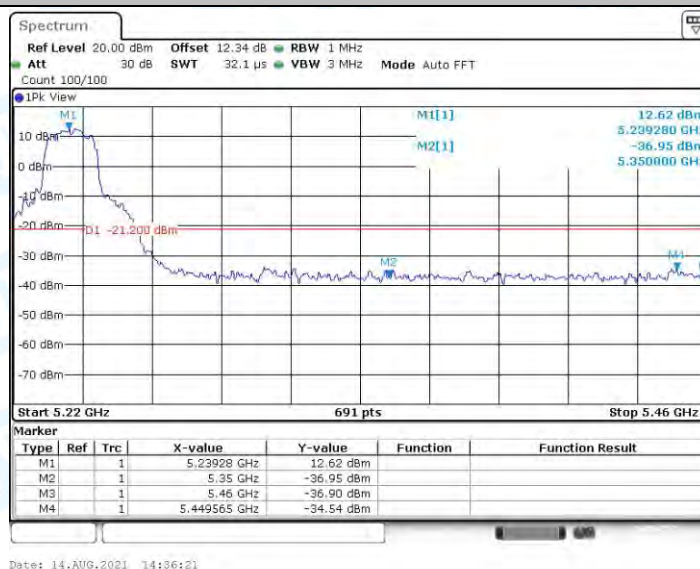


## 11N20MIMO\_Ant2\_High\_5240\_AV

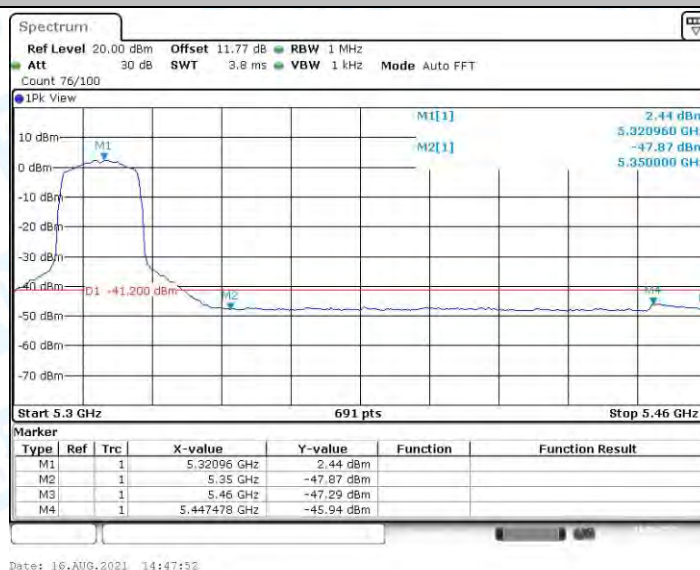




11N20MIMO\_Ant2\_High\_5240\_Peak

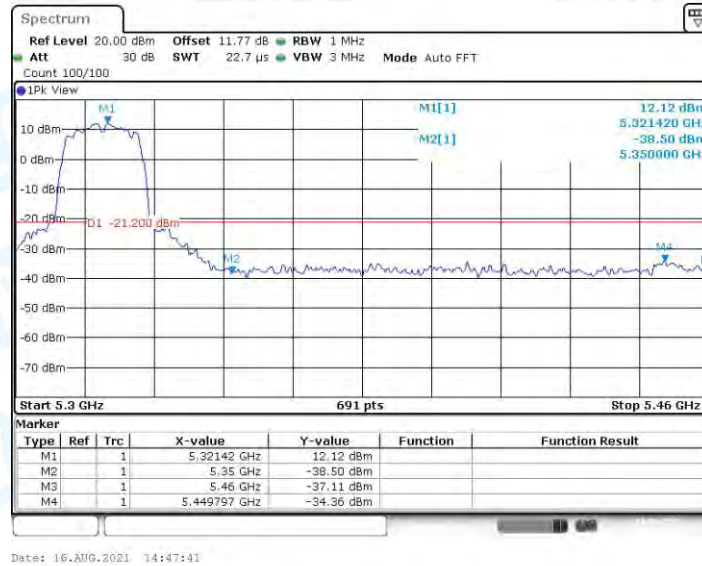


11N20MIMO\_Ant1\_High\_5320\_AV

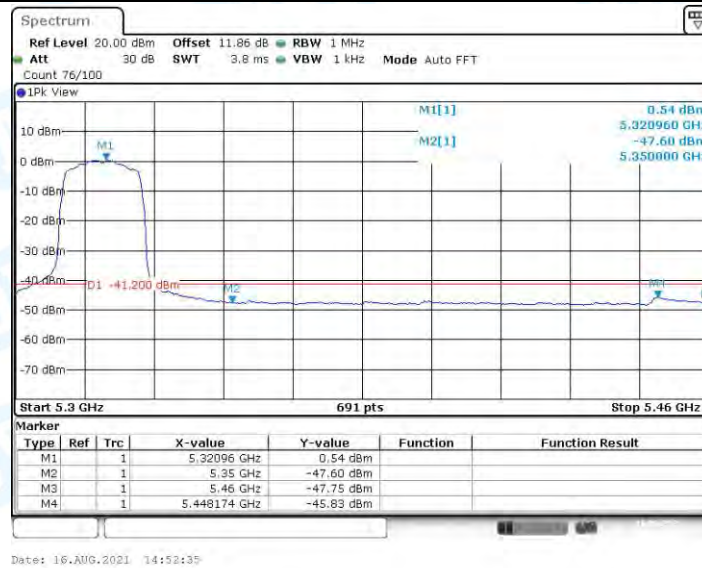


11N20MIMO\_Ant1\_High\_5320\_Peak

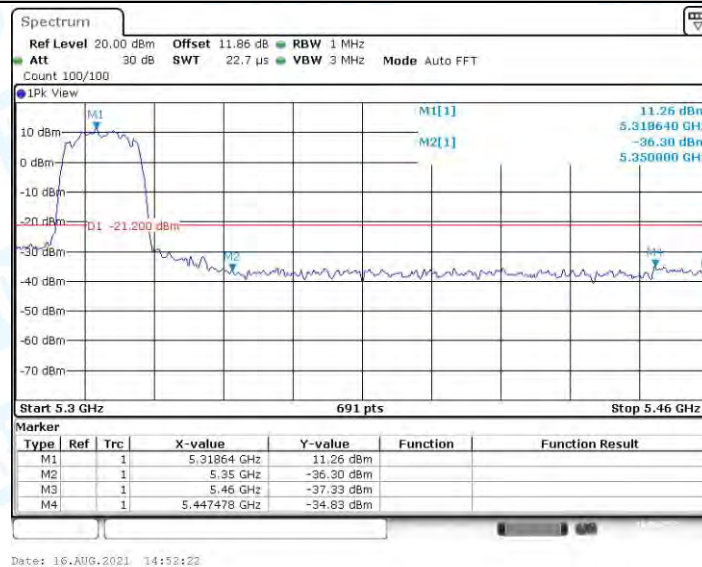




11N20MIMO\_Ant2\_High\_5320\_AV

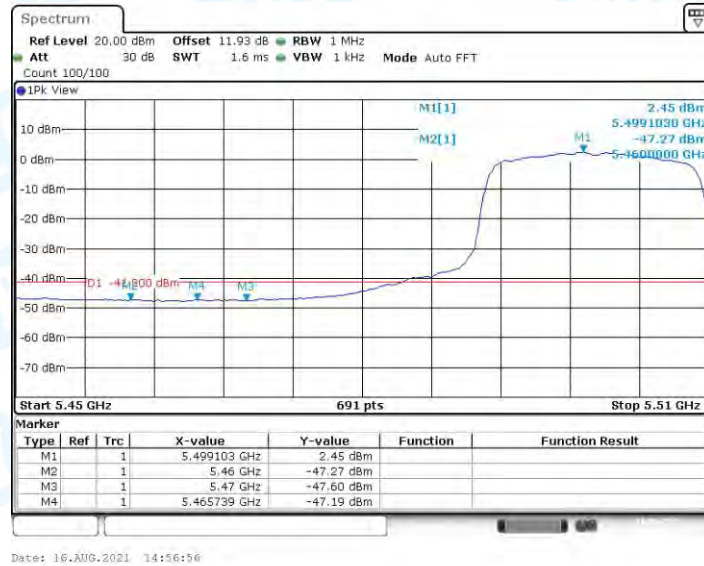


11N20MIMO\_Ant2\_High\_5320\_Peak

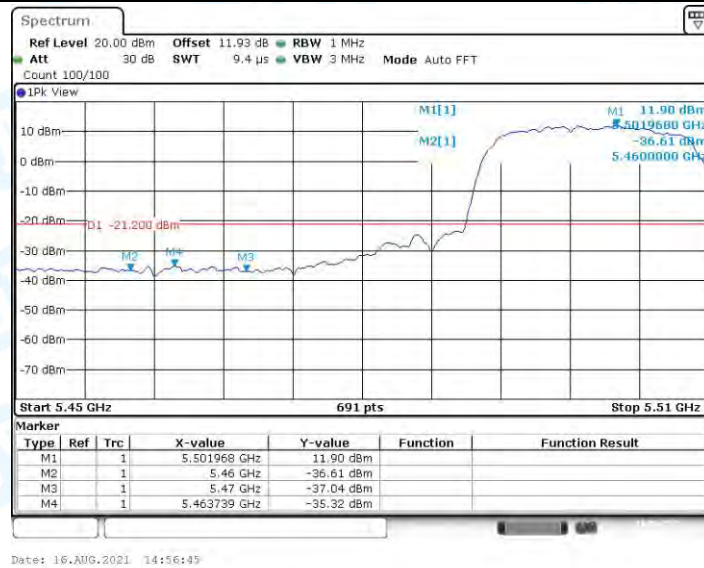


11N20MIMO\_Ant1\_Low\_5500\_AV

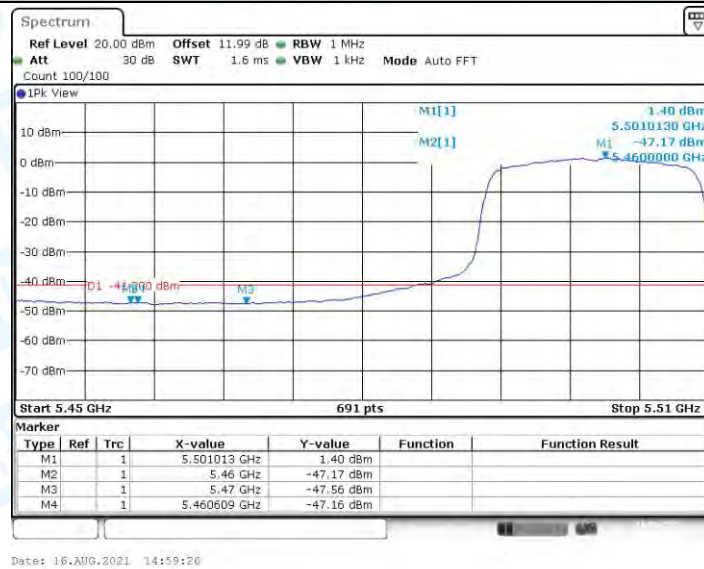




11N20MIMO\_Ant1\_Low\_5500\_Peak

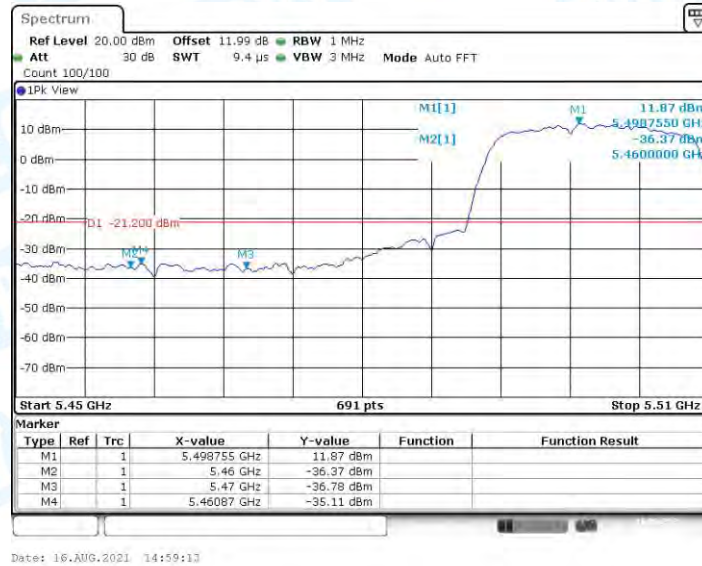


11N20MIMO\_Ant2\_Low\_5500\_AV

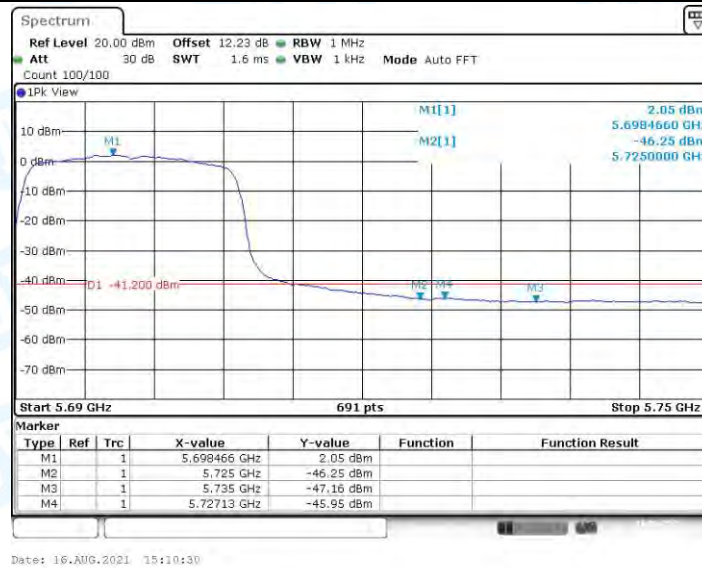


11N20MIMO\_Ant2\_Low\_5500\_Peak

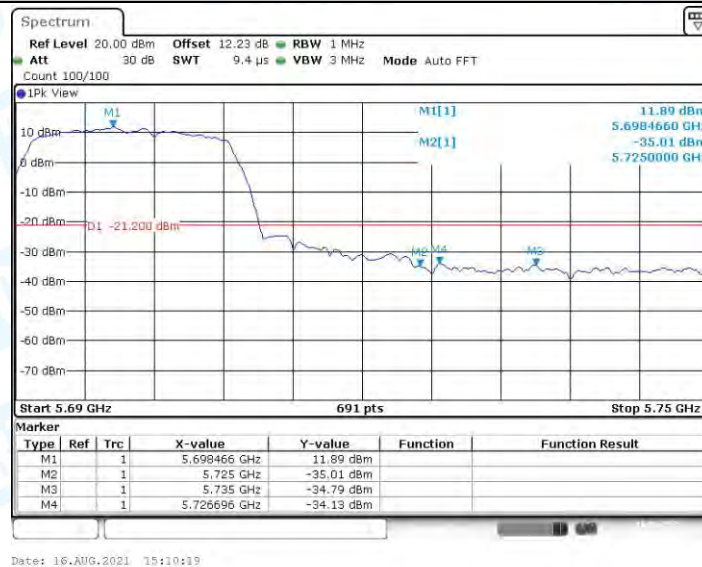




## 11N20MIMO\_Ant1\_High\_5700\_AV

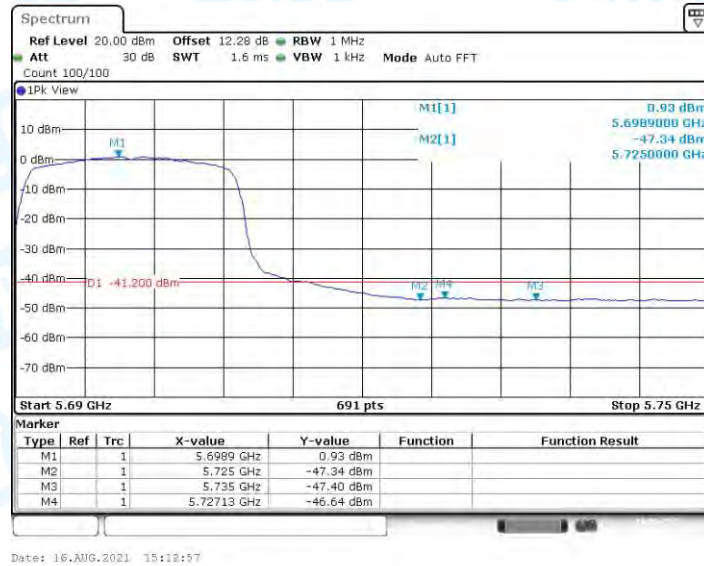


## 11N20MIMO\_Ant1\_High\_5700\_Peak

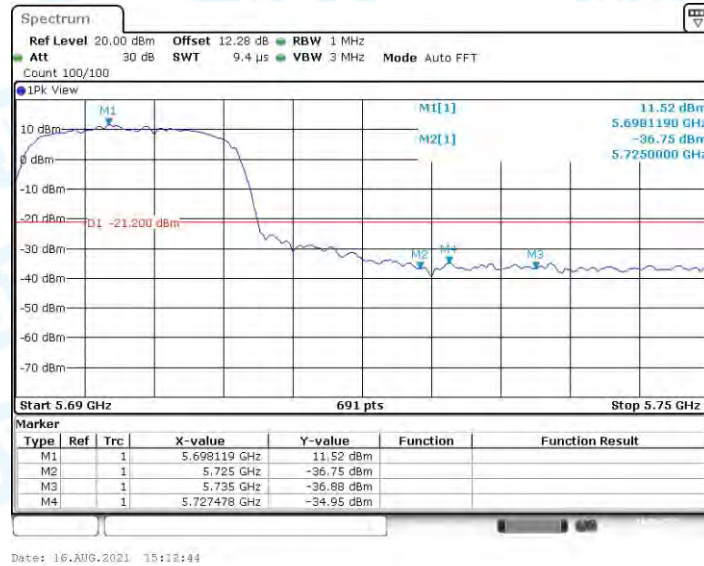


## 11N20MIMO\_Ant2\_High\_5700\_AV

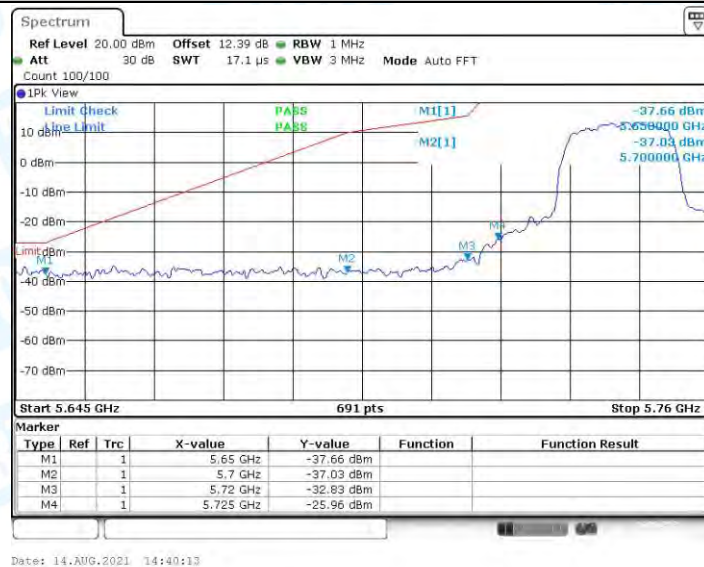




11N20MIMO\_Ant2\_High\_5700\_Peak



11N20MIMO\_Ant1\_Low\_5745\_Peak



11N20MIMO\_Ant2\_Low\_5745\_Peak





The screenshot displays a Spectrum Analyzer interface. At the top, the title 'Spectrum' is visible. Below it, the 'Ref Level' is set to 20.00 dBm, 'Offset' is 12.06 dB, 'RBW' is 1 MHz, 'Att' is 30 dB, 'SWT' is 18.9 μs, 'VBW' is 3 MHz, and 'Mode' is Auto FFT. The 'Count' is 100/100. The main display area shows a spectrum plot with a blue trace. A red line indicates the 'Limit' and 'Pass' levels. Markers M1, M2, M3, and M4 are placed on the trace. The x-axis is labeled 'Start 5.8 GHz' and 'Stop 5.935 GHz'. The y-axis is labeled 'dBm' and ranges from -70 to 10. A table at the bottom lists the marker data.

| Marker | Type | Ref | Trc | X-value   | Y-value    | Function | Function Result |
|--------|------|-----|-----|-----------|------------|----------|-----------------|
| M1     |      |     | 1   | 5.85 GHz  | -29.27 dBm |          |                 |
| M2     |      |     | 1   | 5.855 GHz | -33.21 dBm |          |                 |
| M3     |      |     | 1   | 5.875 GHz | -36.59 dBm |          |                 |
| M4     |      |     | 1   | 5.925 GHz | -36.52 dBm |          |                 |

Date: 14.AUG.2021 15:08:12

**Spectrum**

Ref Level 20.00 dBm   Offset 12.09 dB   RBW 1 MHz  
 Att 30 dB   SWT 18.9 μs   VBW 3 MHz   Mode Auto FFT  
 Count 100/100

1Pk View

Limit Check  
 Pass Limit

Limit PASS  
 PASS

M1[1] -29.50 dBm  
 5.850000 GHz  
 M2[1] -35.44 dBm  
 5.855000 GHz

M1  
 M2  
 M3  
 M4

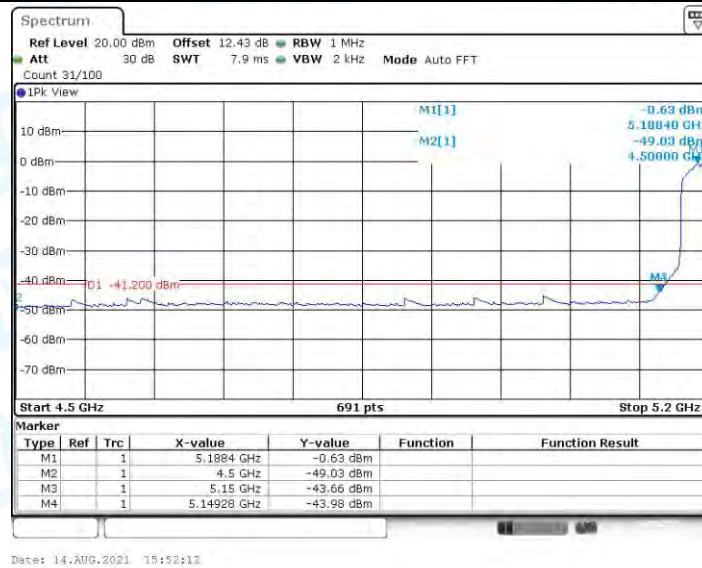
Start 5.8 GHz   691 pts   Stop 5.935 GHz

**Marker**

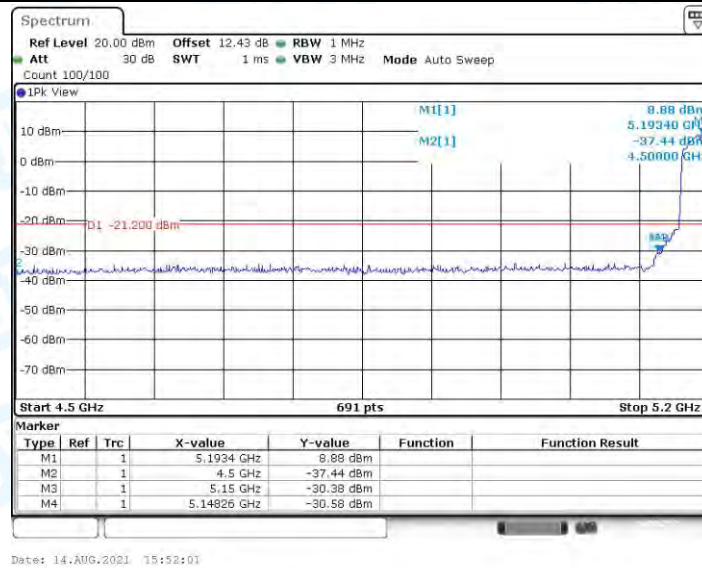
| Type | Ref | Trc | X-value   | Y-value    | Function | Function Result |
|------|-----|-----|-----------|------------|----------|-----------------|
| M1   |     | 1   | 5.85 GHz  | -29.50 dBm |          |                 |
| M2   |     | 1   | 5.855 GHz | -35.44 dBm |          |                 |
| M3   |     | 1   | 5.875 GHz | -36.23 dBm |          |                 |
| M4   |     | 1   | 5.925 GHz | -35.95 dBm |          |                 |

**TB-RF-074-1.0**

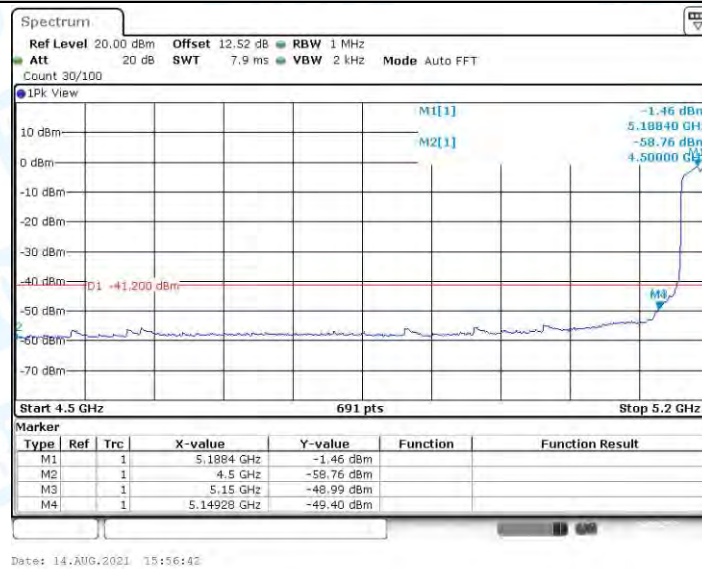




11N40MIMO\_Ant1\_Low\_5190\_Peak

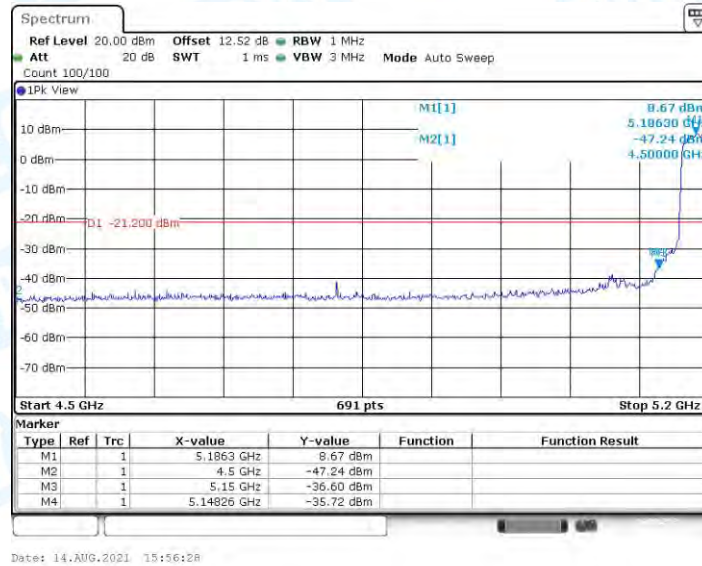


11N40MIMO\_Ant2\_Low\_5190\_AV

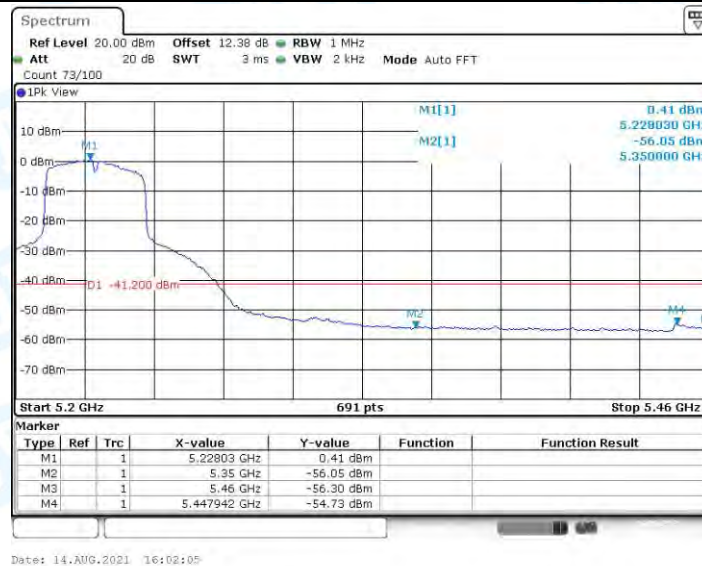


11N40MIMO\_Ant2\_Low\_5190\_Peak

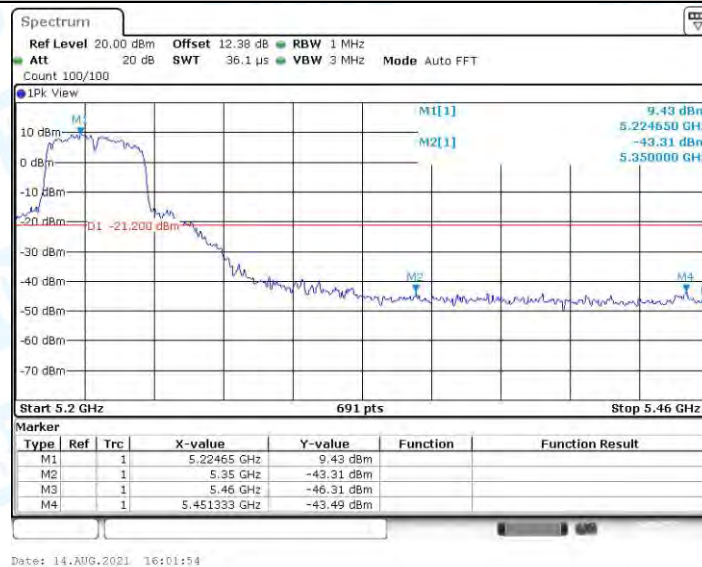




## 11N40MIMO\_Ant1\_High\_5230\_AV

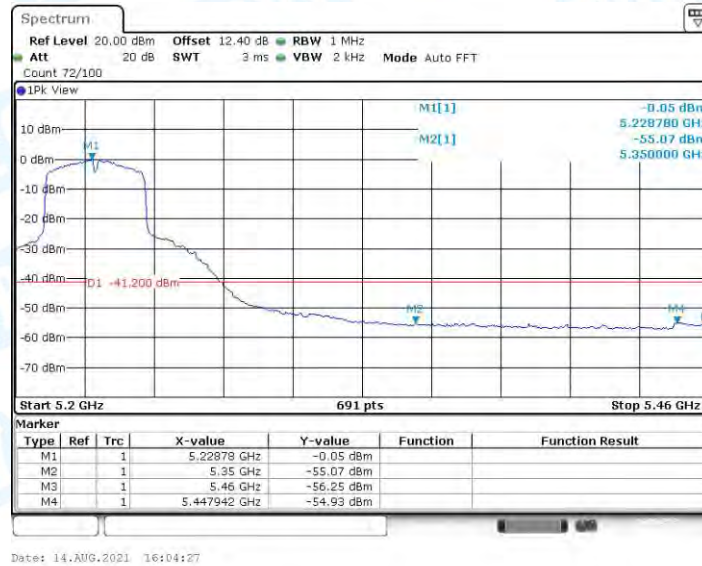


## 11N40MIMO\_Ant1\_High\_5230\_Peak



## 11N40MIMO\_Ant2\_High\_5230\_AV

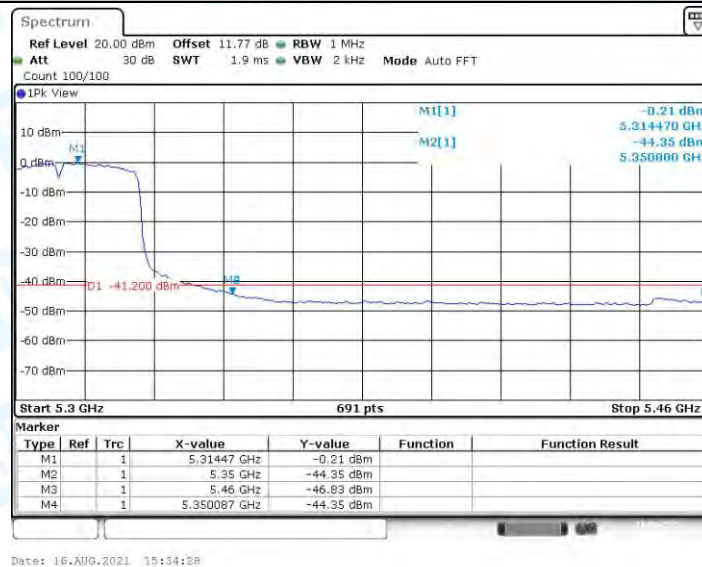




11N40MIMO\_Ant2\_High\_5230\_Peak

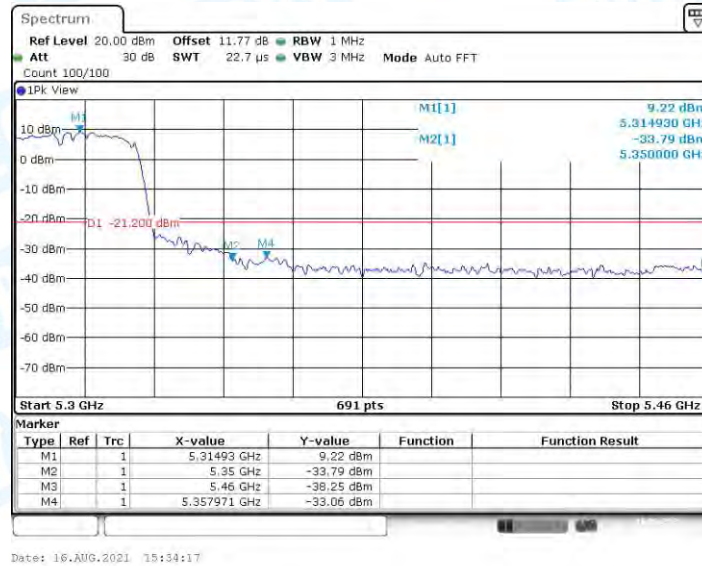


11N40MIMO\_Ant1\_High\_5310\_AV

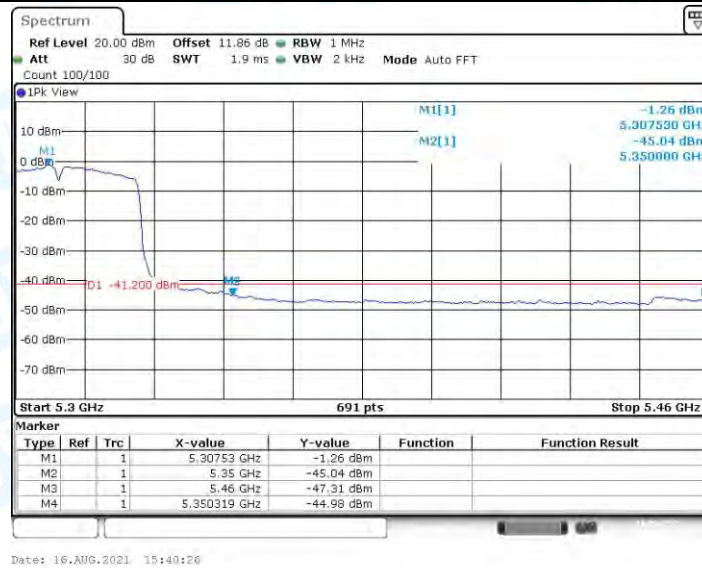


11N40MIMO\_Ant1\_High\_5310\_Peak

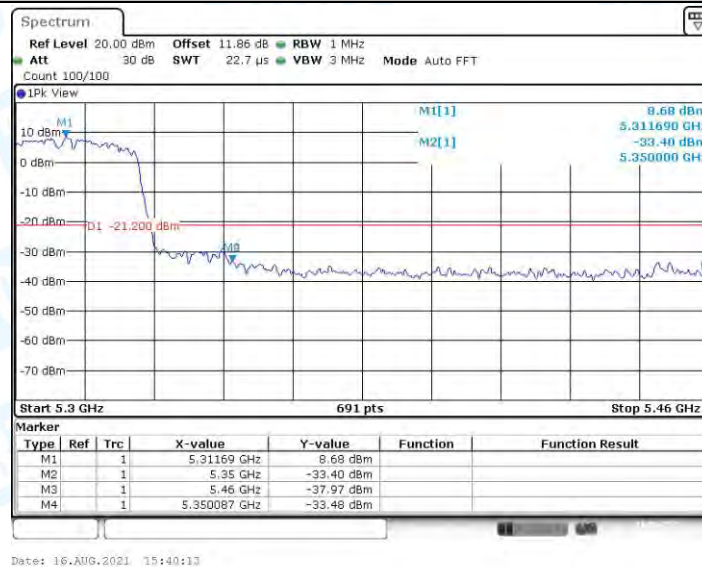




## 11N40MIMO\_Ant2\_High\_5310\_AV

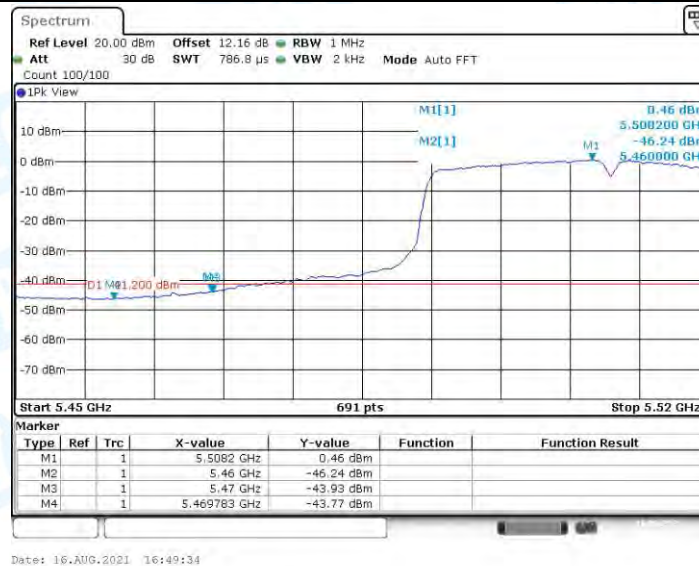


## 11N40MIMO\_Ant2\_High\_5310\_Peak

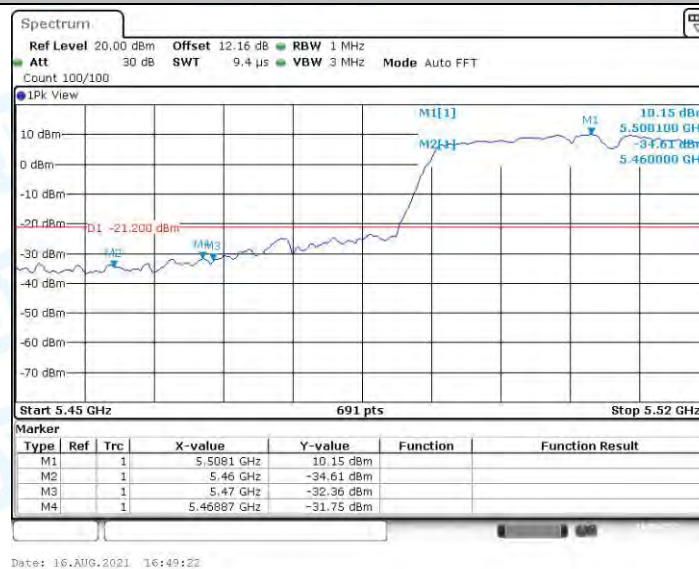


## 11N40MIMO\_Ant1\_Low\_5510\_AV

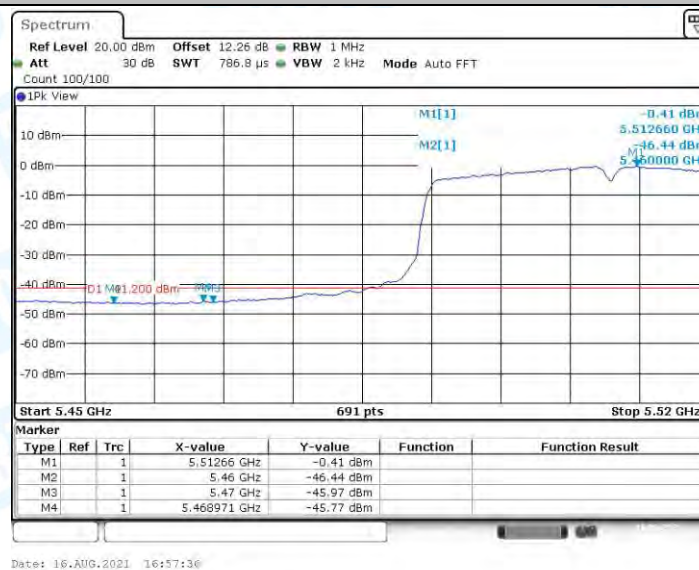




11N40MIMO\_Ant1\_Low\_5510\_Peak

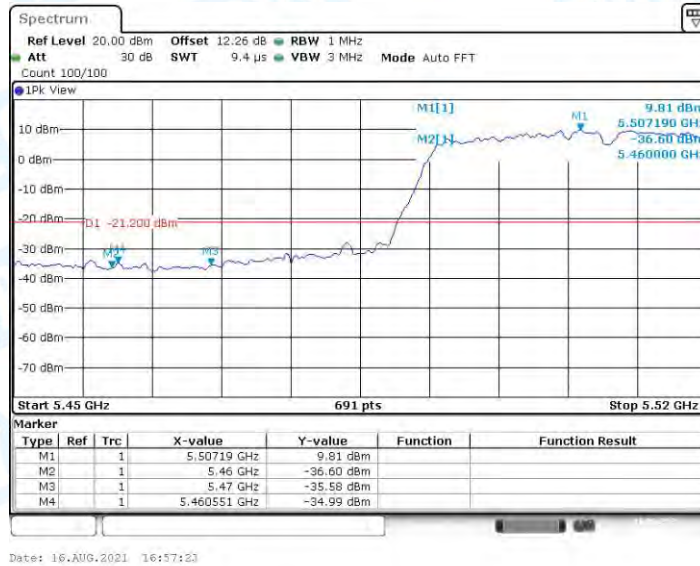


11N40MIMO\_Ant2\_Low\_5510\_AV

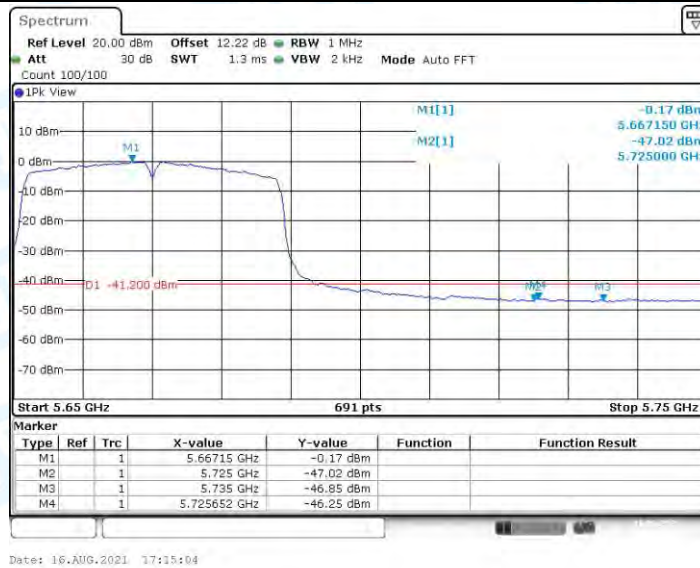


11N40MIMO\_Ant2\_Low\_5510\_Peak

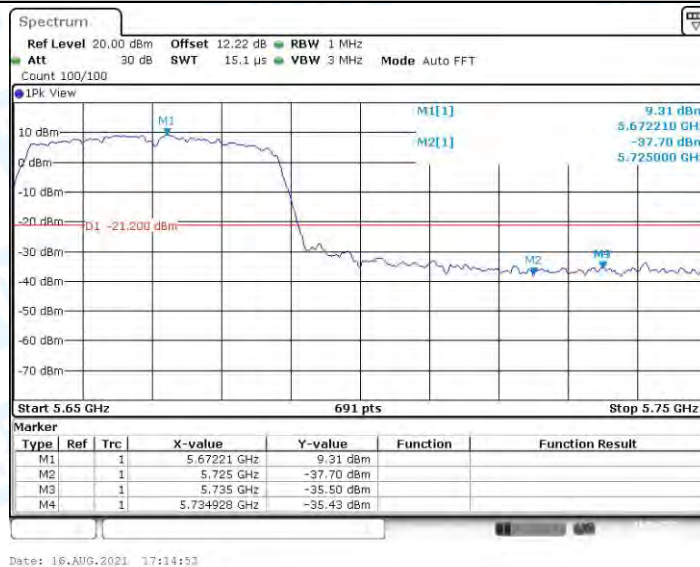




## 11N40MIMO\_Ant1\_High\_5670\_AV

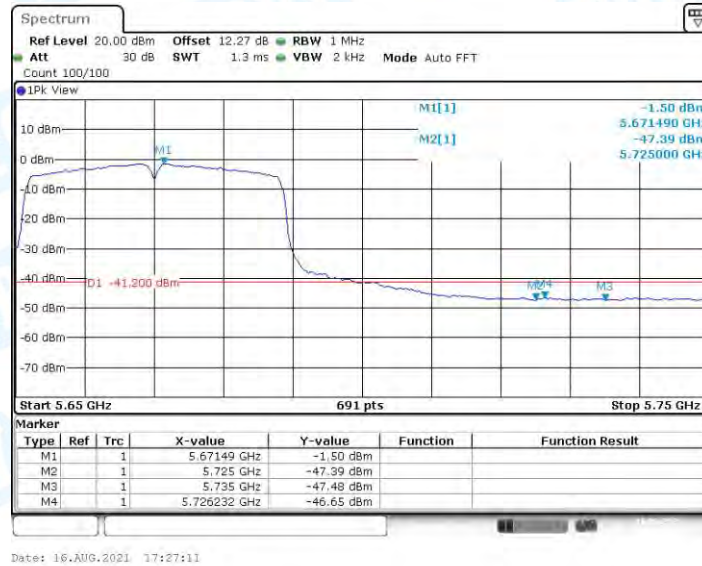


## 11N40MIMO\_Ant1\_High\_5670\_Peak

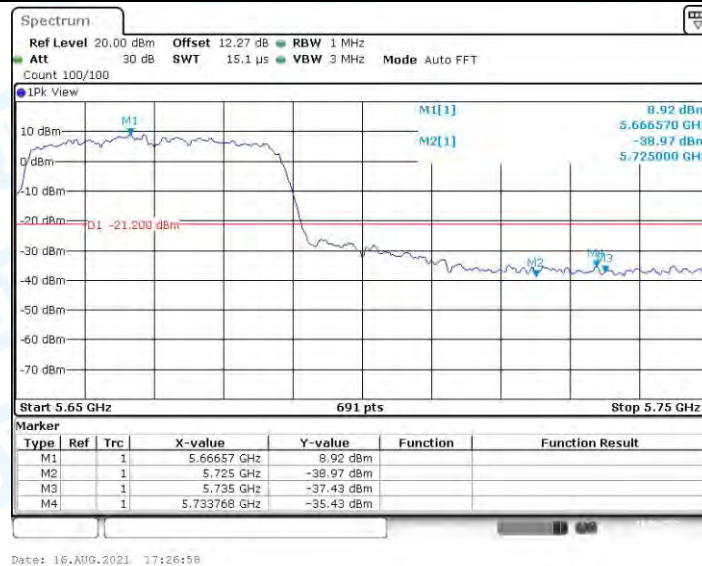


## 11N40MIMO\_Ant2\_High\_5670\_AV

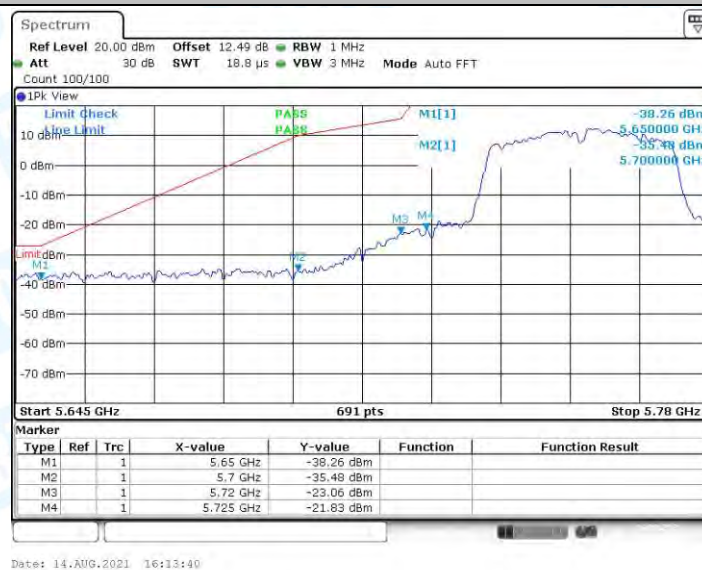




11N40MIMO\_Ant2\_High\_5670\_Peak



11N40MIMO\_Ant1\_Low\_5755\_Peak

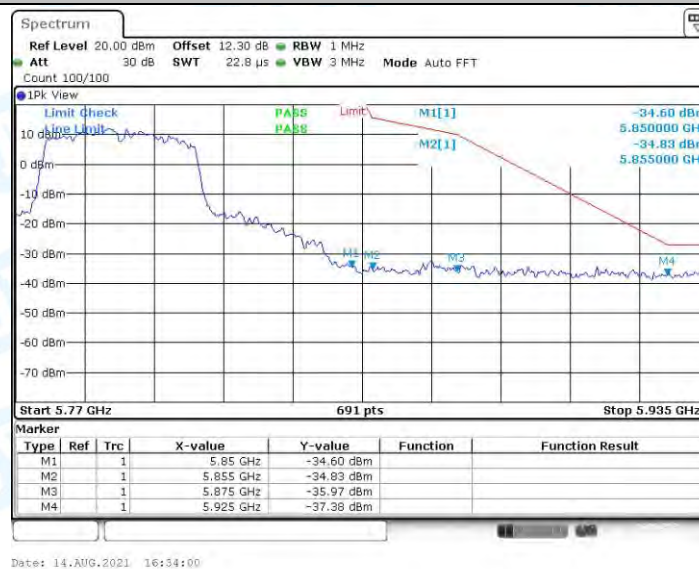


11N40MIMO\_Ant2\_Low\_5755\_Peak

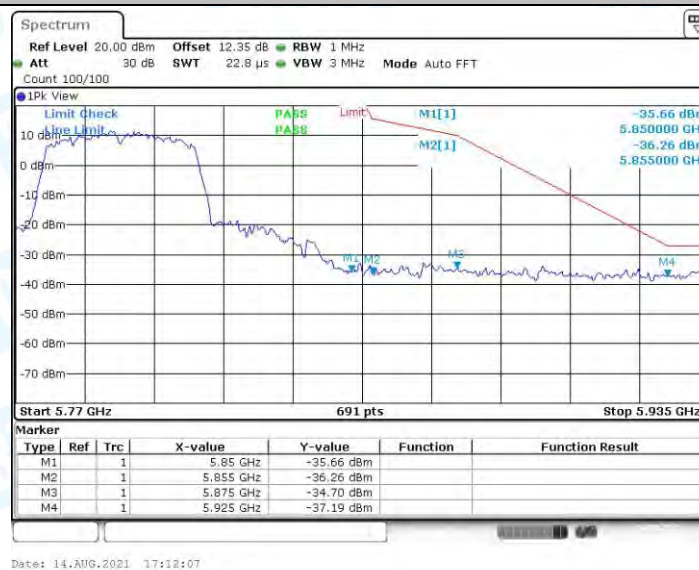




11N40MIMO\_Ant1\_High\_5795\_Peak

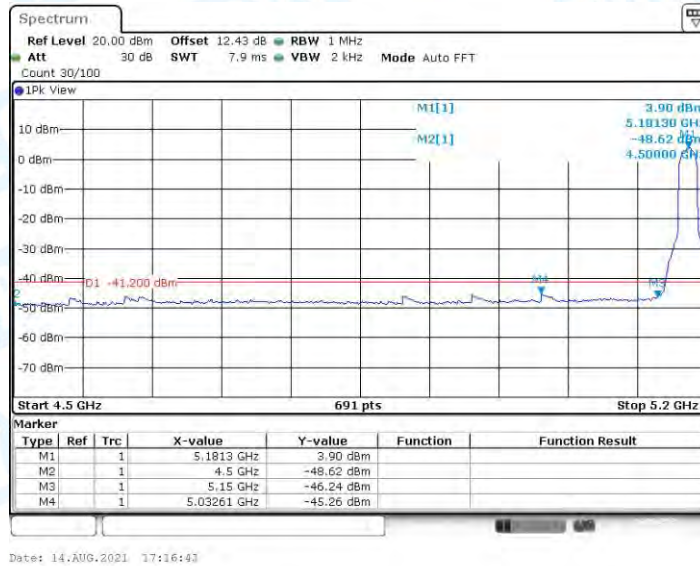


11N40MIMO\_Ant2\_High\_5795\_Peak

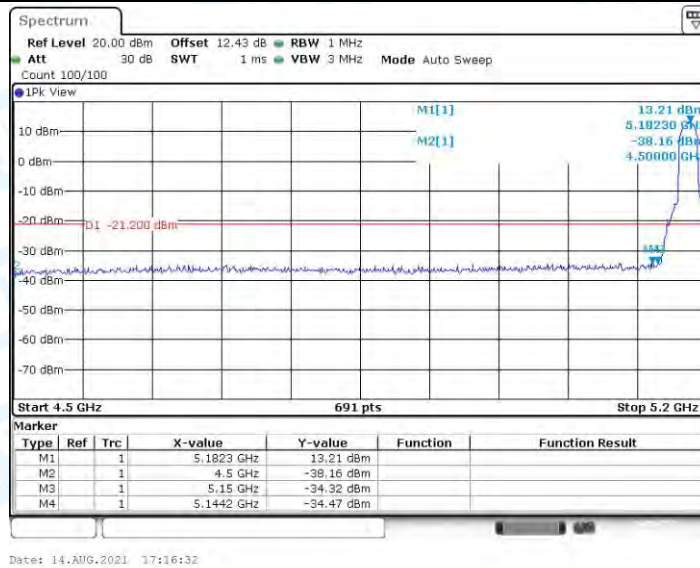


11AC20MIMO\_Ant1\_Low\_5180\_AV

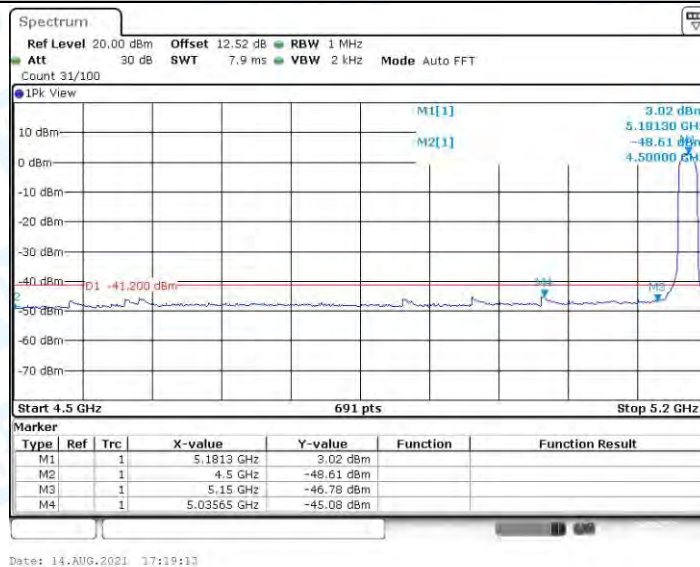




11AC20MIMO\_Ant1\_Low\_5180\_Peak

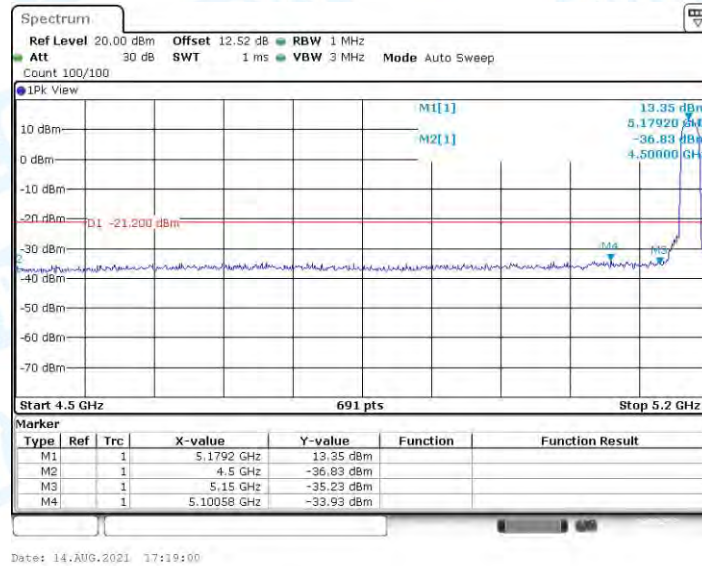


11AC20MIMO\_Ant2\_Low\_5180\_AV

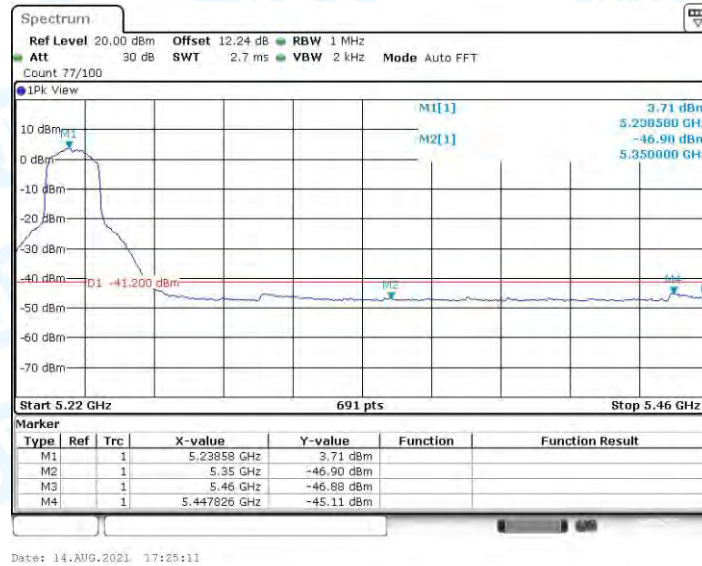


11AC20MIMO\_Ant2\_Low\_5180\_Peak

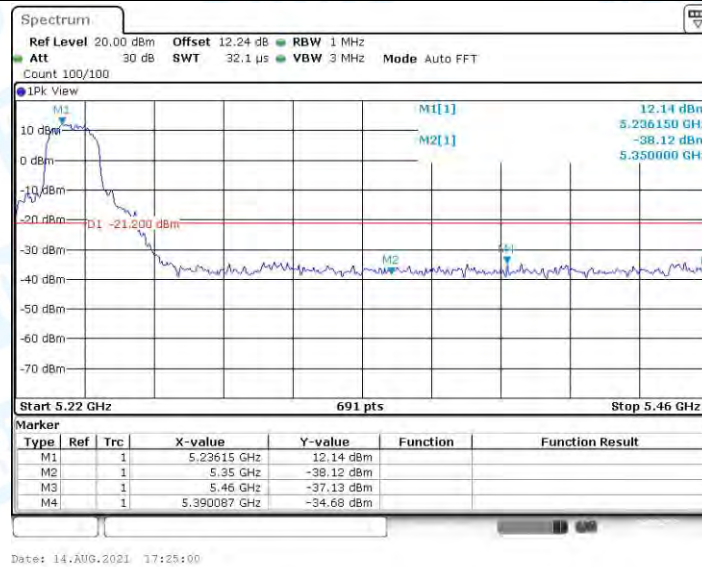




## 11AC20MIMO\_Ant1\_High\_5240\_AV

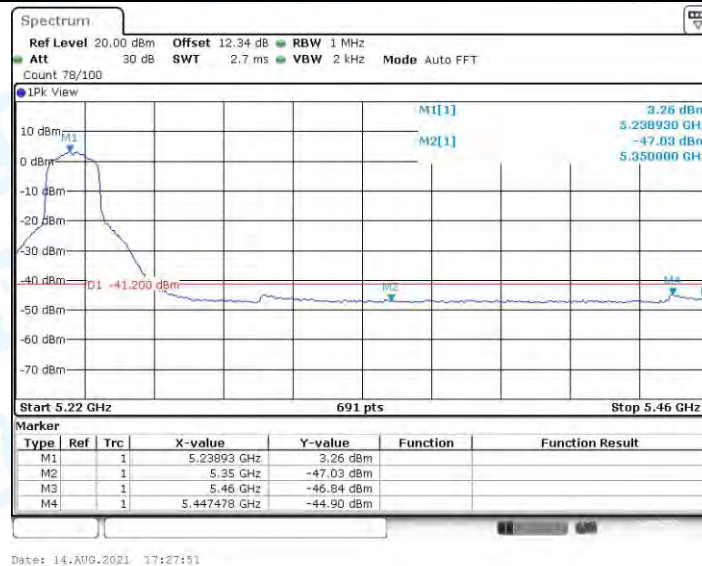


## 11AC20MIMO\_Ant1\_High\_5240\_Peak

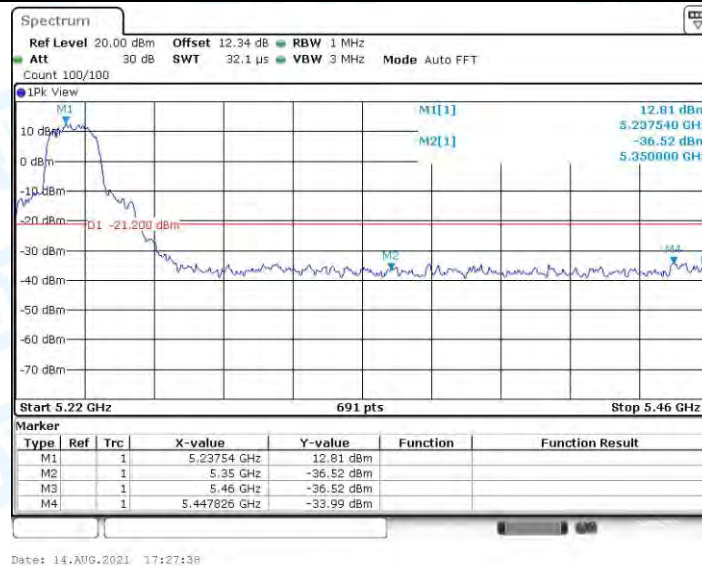


## 11AC20MIMO\_Ant2\_High\_5240\_AV

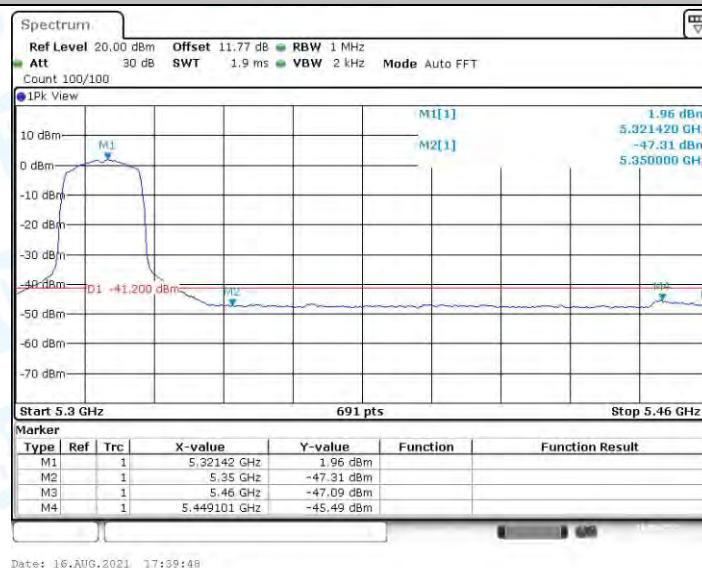




11AC20MIMO\_Ant2\_High\_5240\_Peak

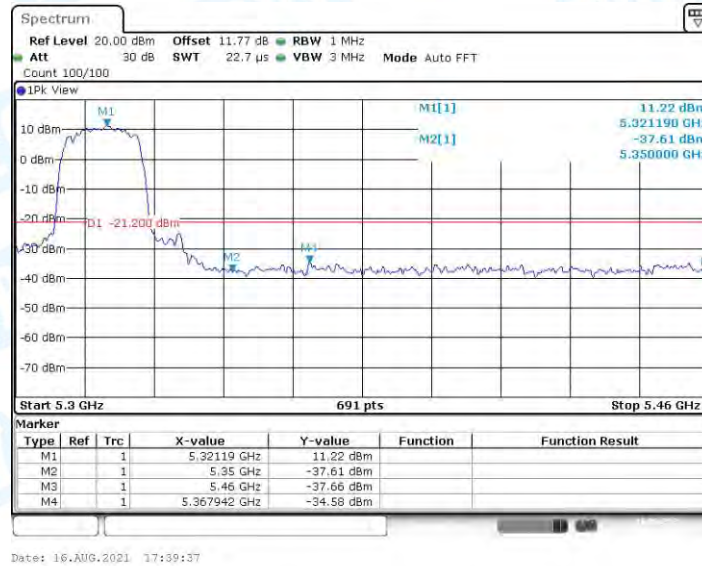


11AC20MIMO\_Ant1\_High\_5320\_AV

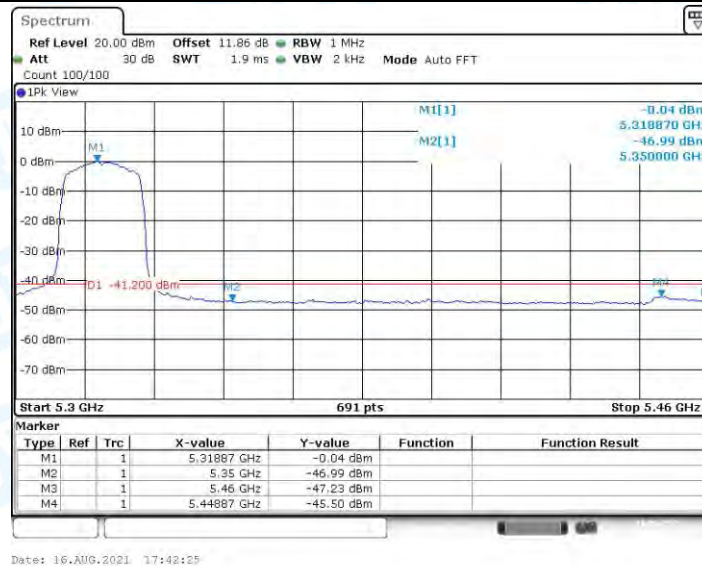


11AC20MIMO\_Ant1\_High\_5320\_Peak

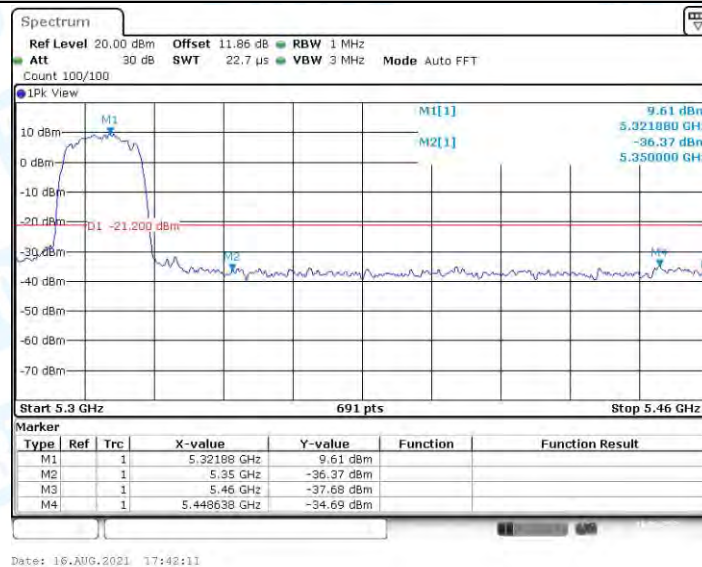




## 11AC20MIMO\_Ant2\_High\_5320\_AV

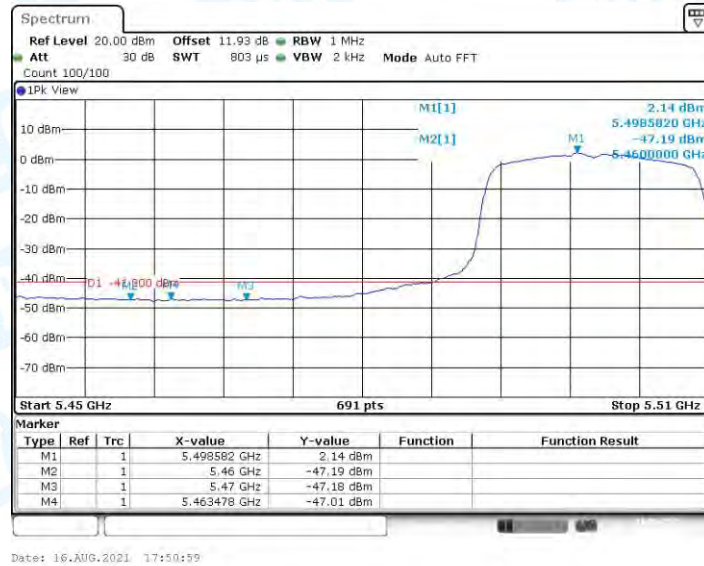


## 11AC20MIMO\_Ant2\_High\_5320\_Peak

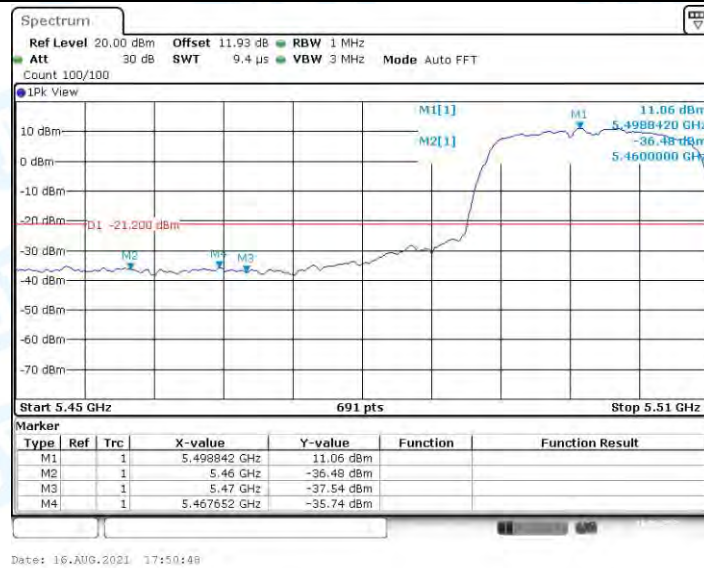


## 11AC20MIMO\_Ant1\_Low\_5500\_AV

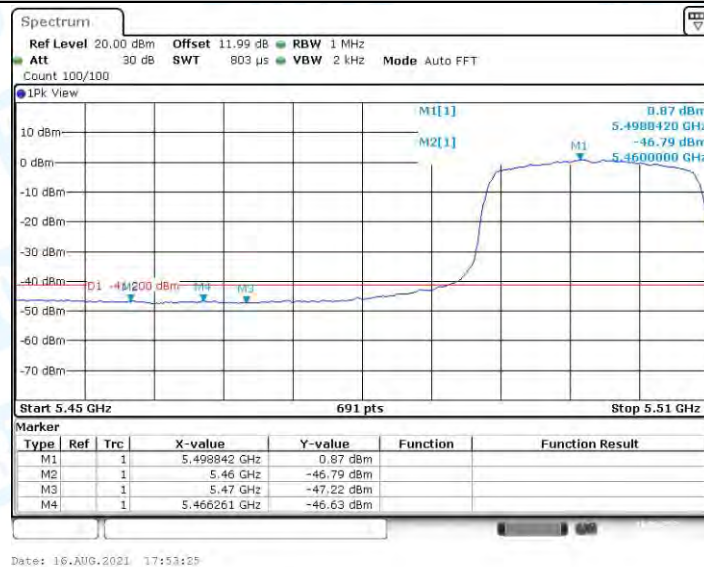




11AC20MIMO\_Ant1\_Low\_5500\_Peak

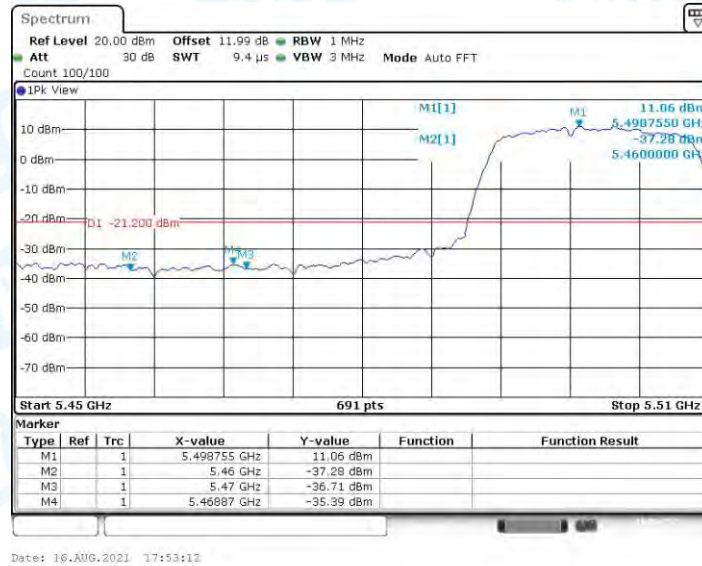


11AC20MIMO\_Ant2\_Low\_5500\_AV

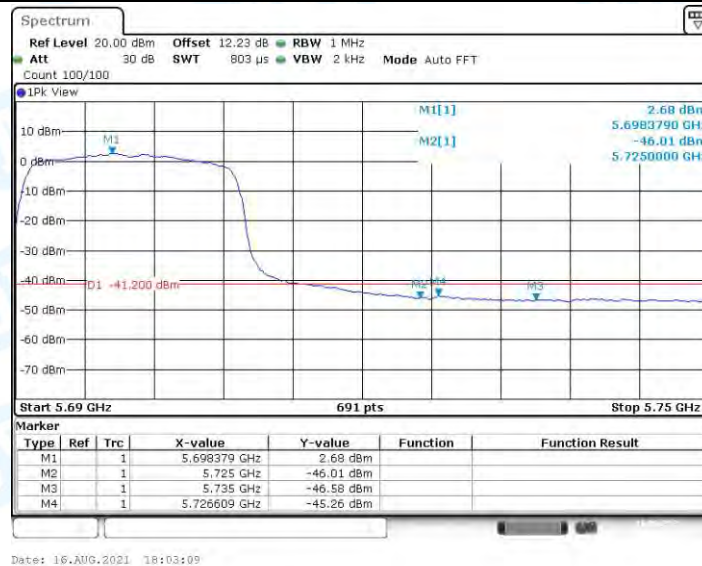


11AC20MIMO\_Ant2\_Low\_5500\_Peak

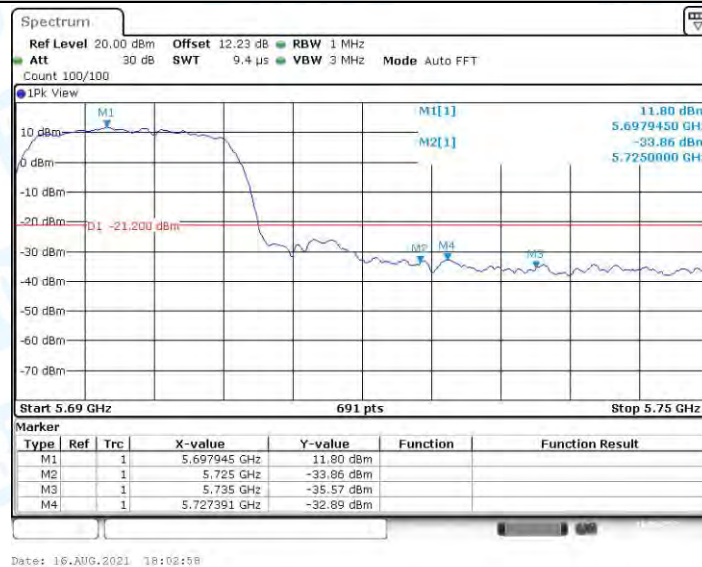




## 11AC20MIMO\_Ant1\_High\_5700\_AV

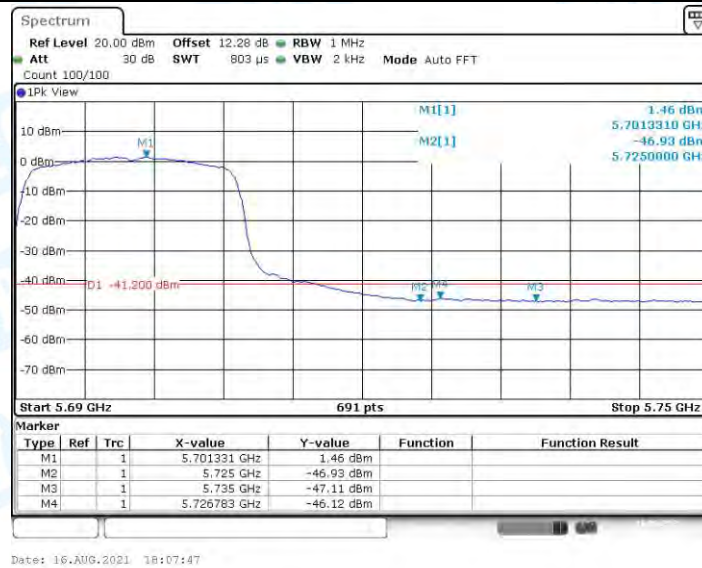


## 11AC20MIMO\_Ant1\_High\_5700\_Peak

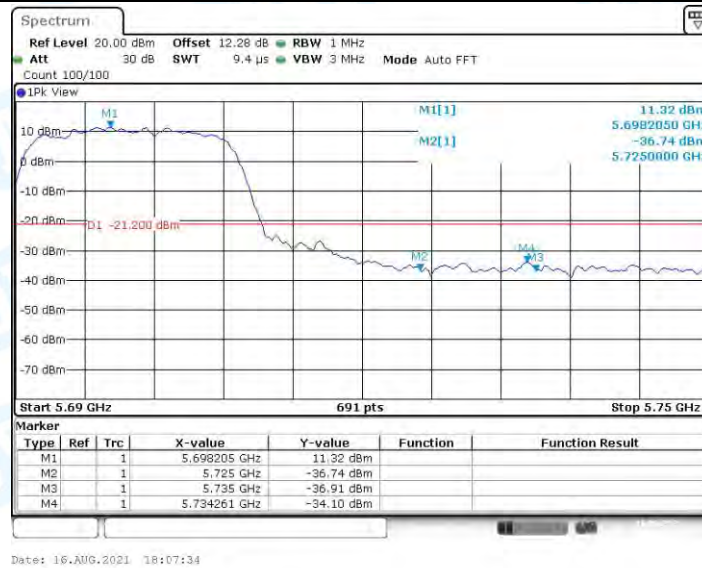


## 11AC20MIMO\_Ant2\_High\_5700\_AV

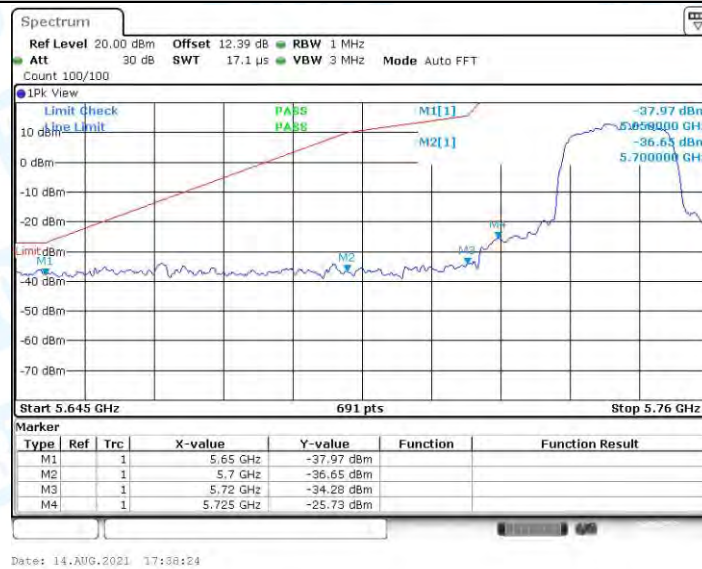




11AC20MIMO\_Ant2\_High\_5700\_Peak

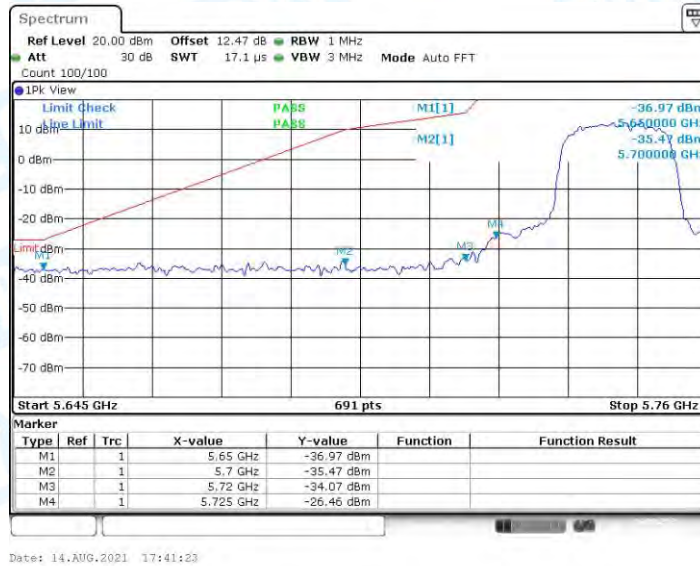


11AC20MIMO\_Ant1\_Low\_5745\_Peak

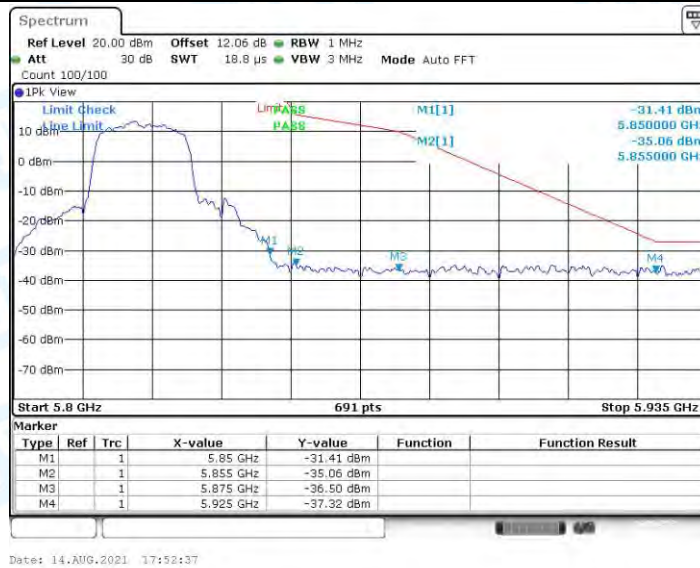


11AC20MIMO\_Ant2\_Low\_5745\_Peak

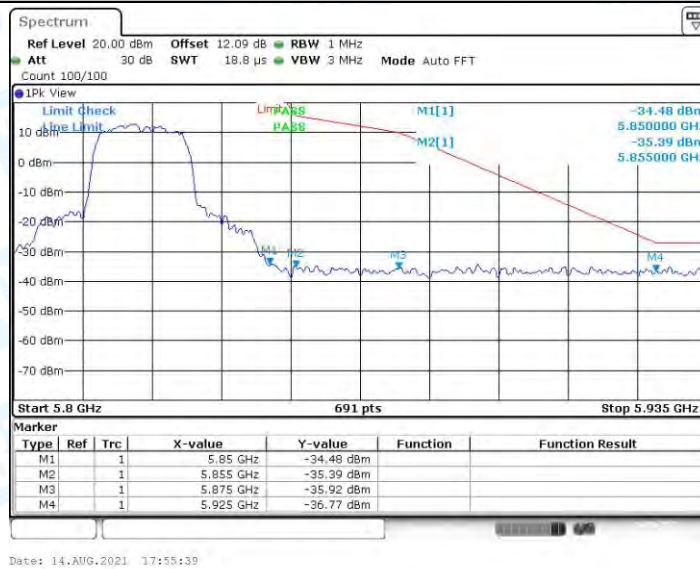




## 11AC20MIMO\_Ant1\_High\_5825\_Peak

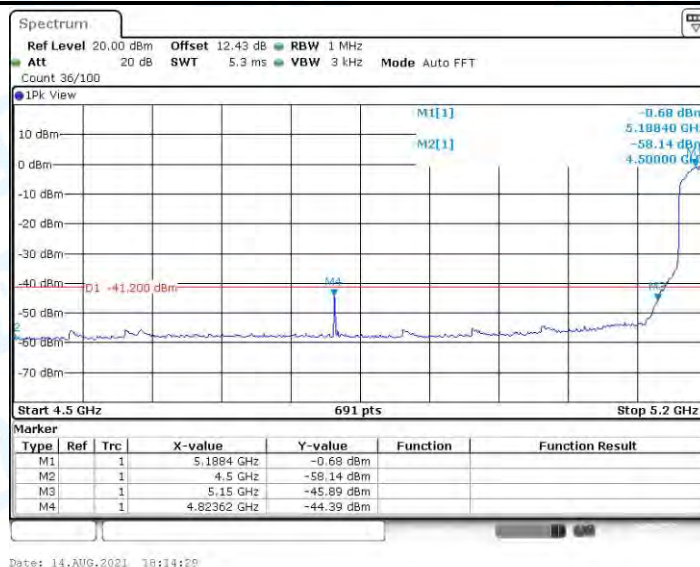


## 11AC20MIMO\_Ant2\_High\_5825\_Peak

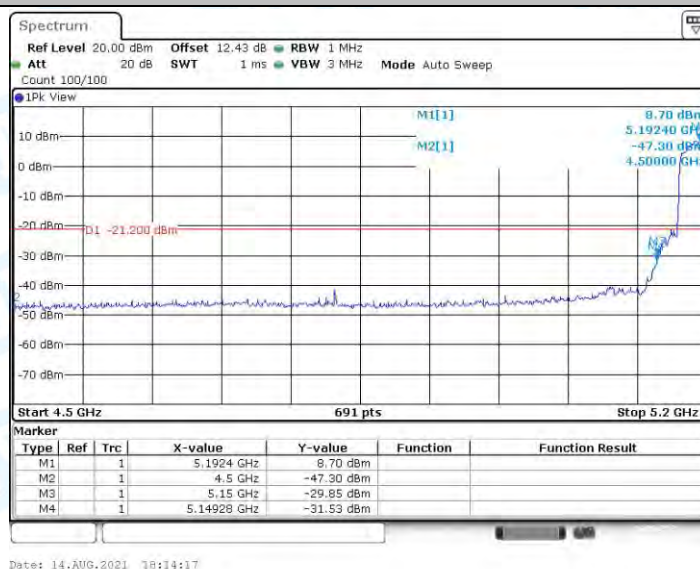


## 11AC40MIMO\_Ant1\_Low\_5190\_AV

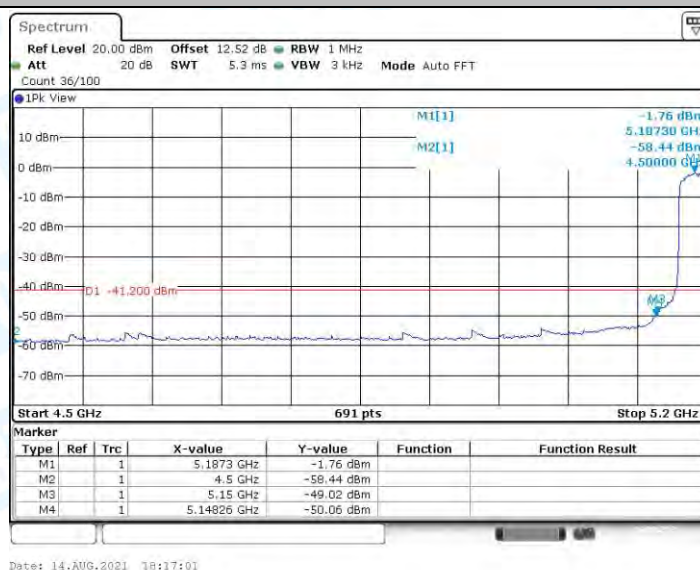




11AC40MIMO\_Ant1\_Low\_5190\_Peak

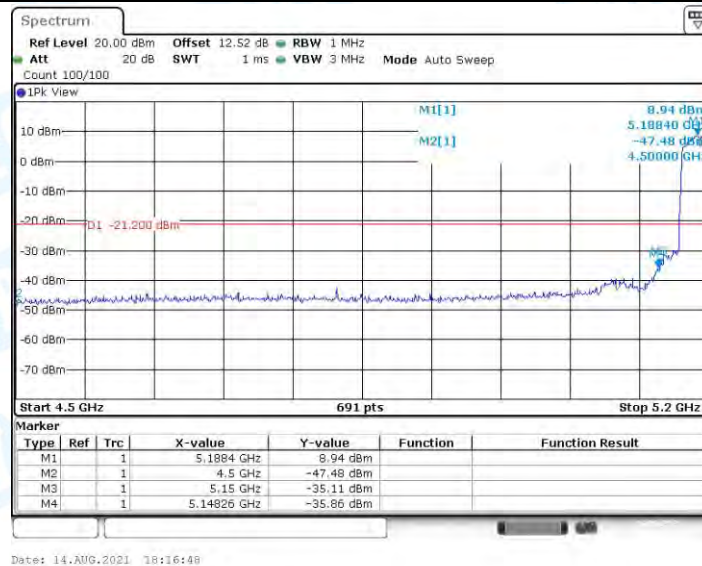


11AC40MIMO\_Ant2\_Low\_5190\_AV

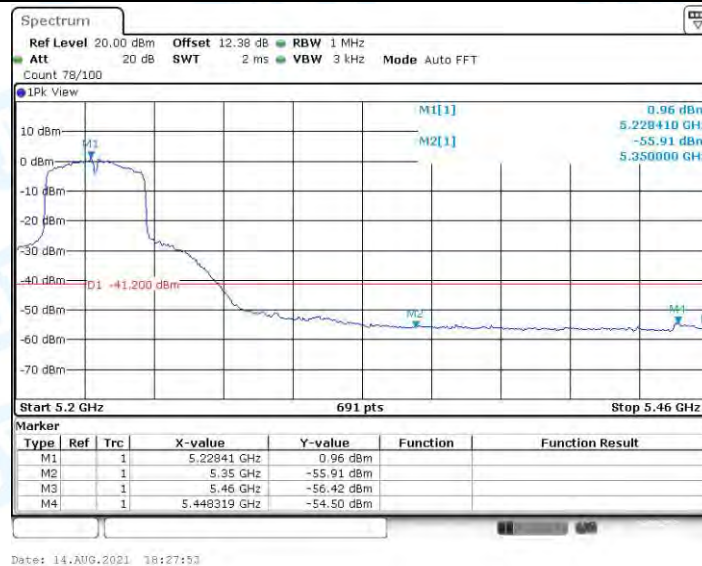


11AC40MIMO\_Ant2\_Low\_5190\_Peak

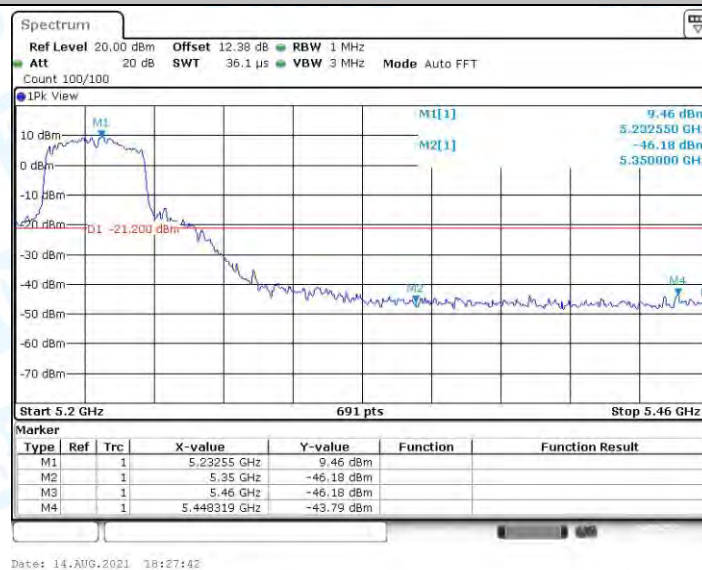




## 11AC40MIMO\_Ant1\_High\_5230\_AV

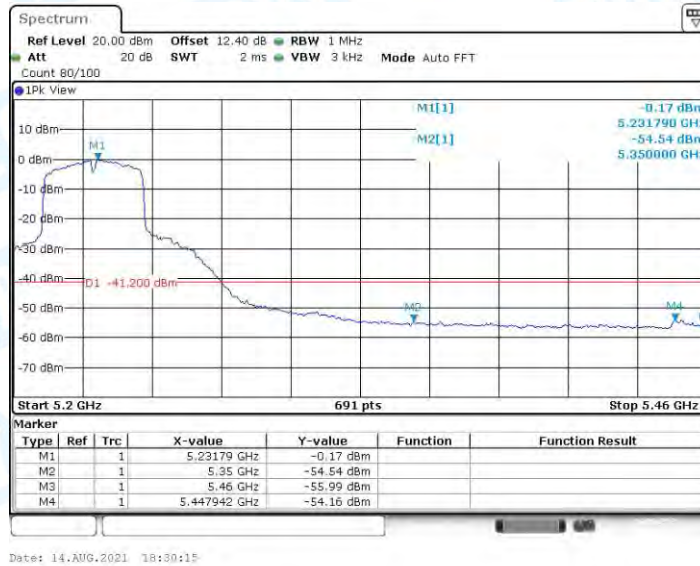


## 11AC40MIMO\_Ant1\_High\_5230\_Peak



## 11AC40MIMO\_Ant2\_High\_5230\_AV

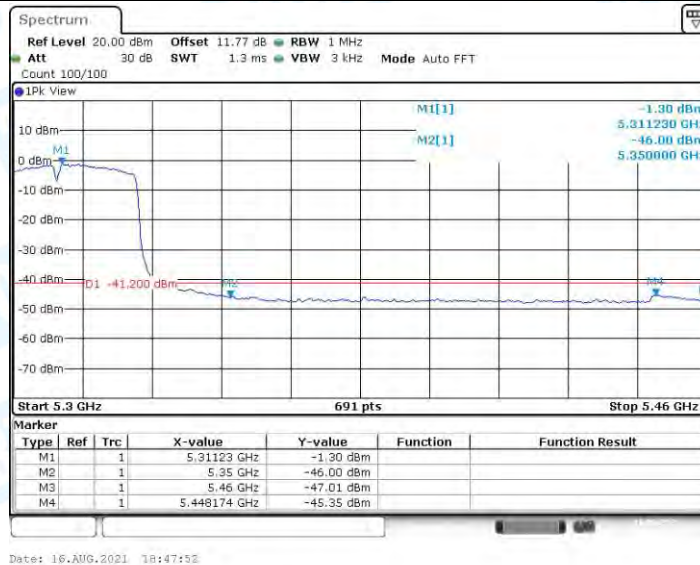




11AC40MIMO\_Ant2\_High\_5230\_Peak

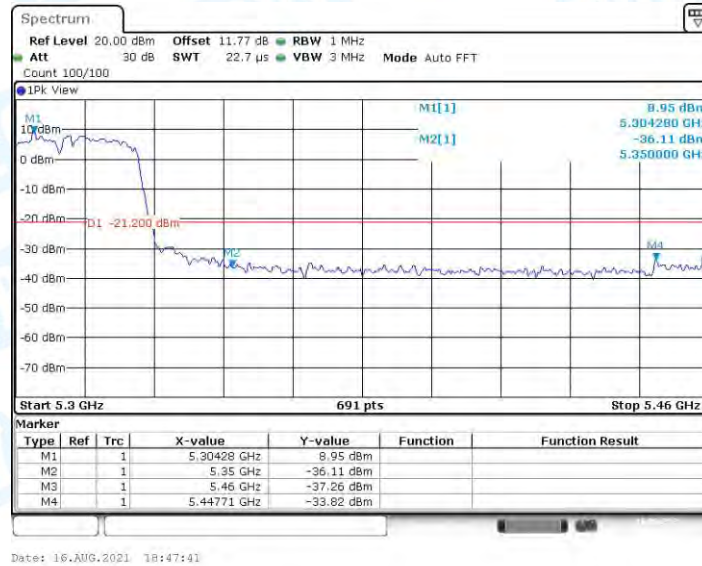


11AC40MIMO\_Ant1\_High\_5310\_AV

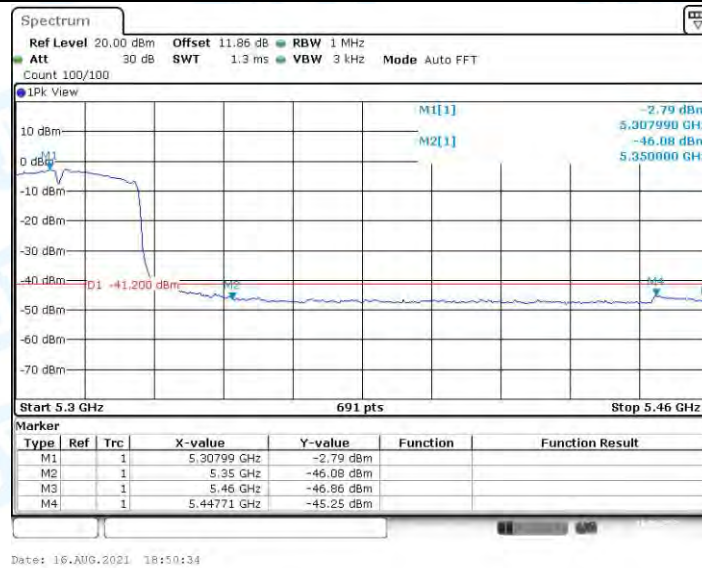


11AC40MIMO\_Ant1\_High\_5310\_Peak

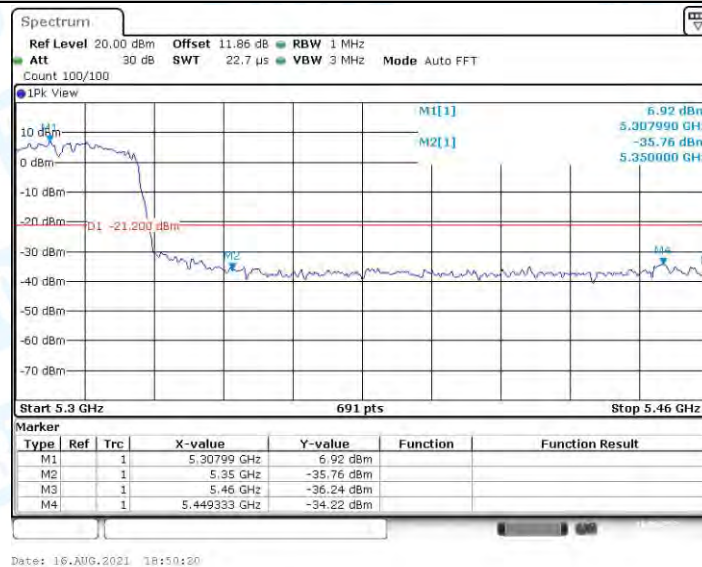




## 11AC40MIMO\_Ant2\_High\_5310\_AV

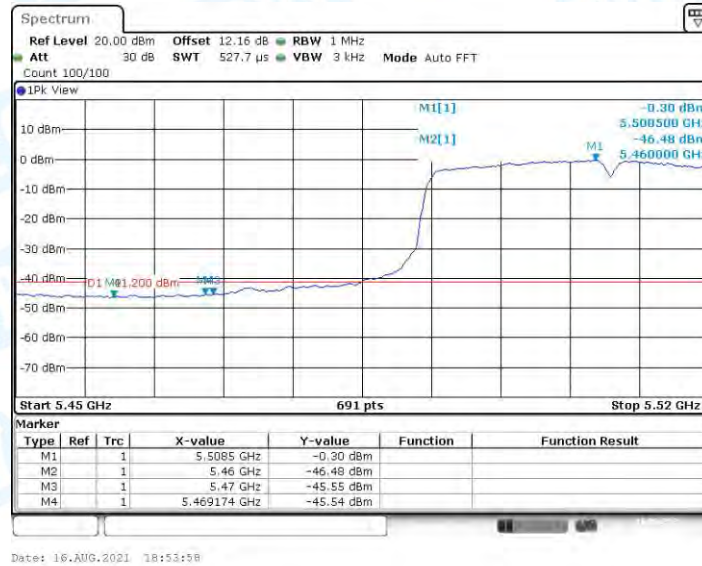


## 11AC40MIMO\_Ant2\_High\_5310\_Peak

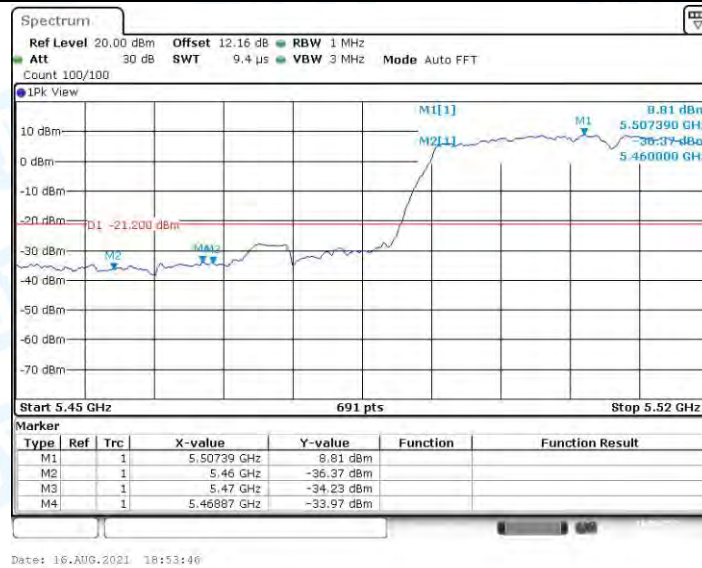


## 11AC40MIMO\_Ant1\_Low\_5510\_AV

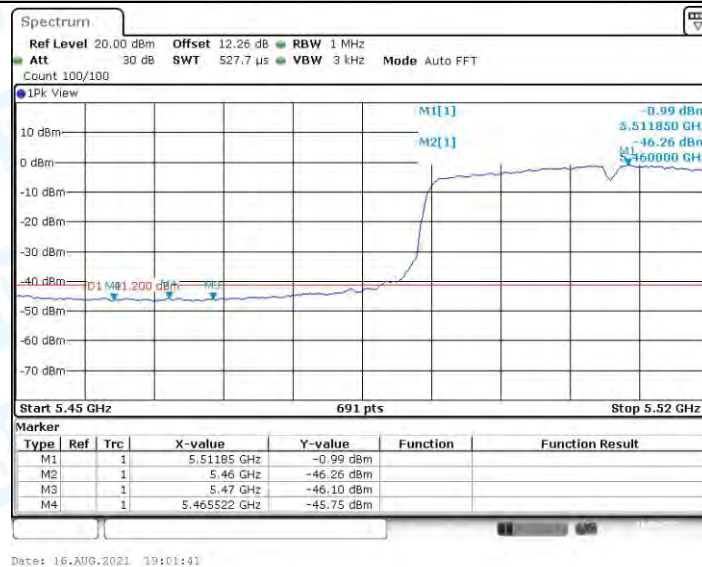




11AC40MIMO\_Ant1\_Low\_5510\_Peak

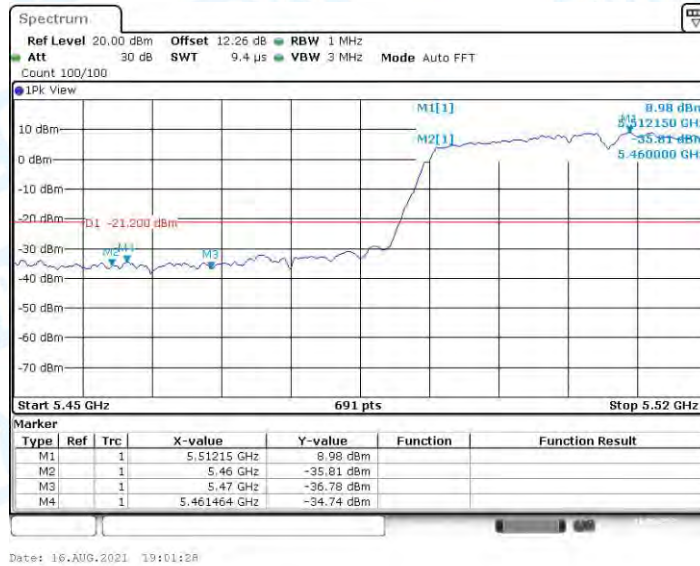


11AC40MIMO\_Ant2\_Low\_5510\_AV

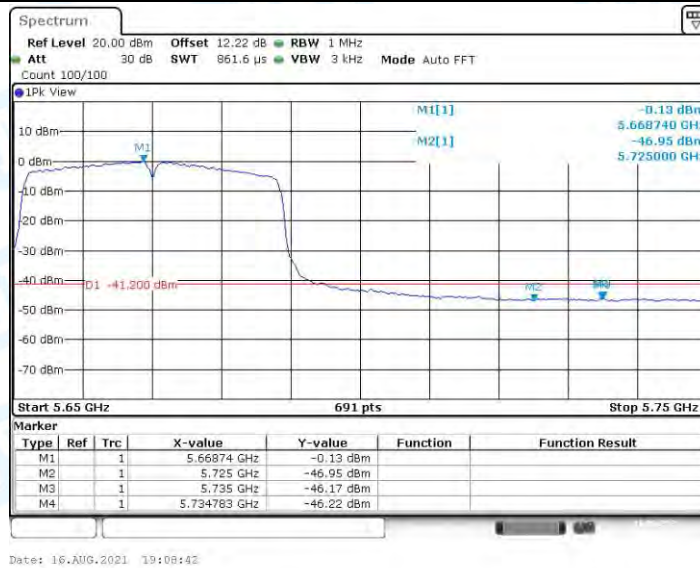


11AC40MIMO\_Ant2\_Low\_5510\_Peak

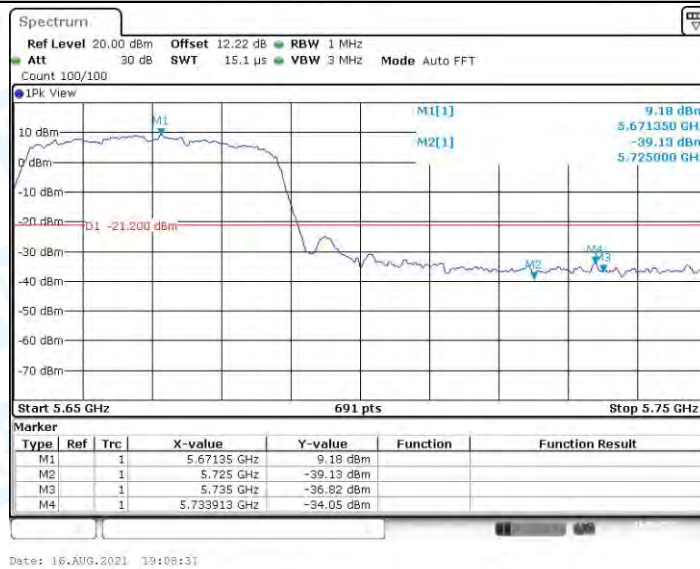




## 11AC40MIMO\_Ant1\_High\_5670\_AV

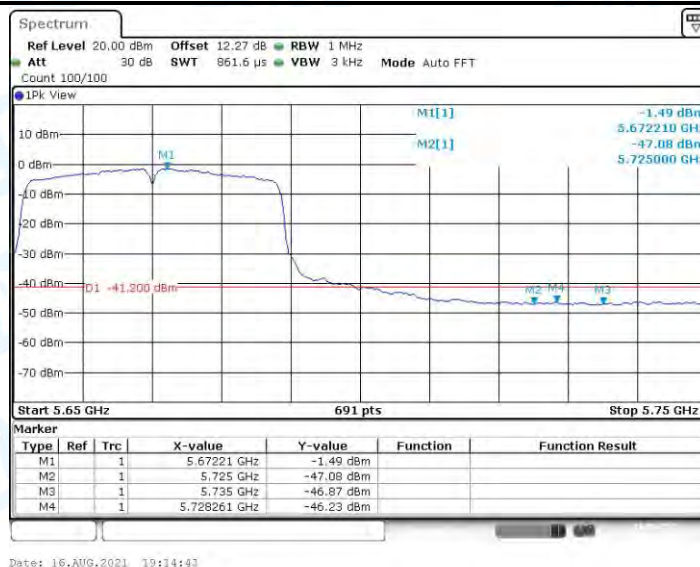


## 11AC40MIMO\_Ant1\_High\_5670\_Peak

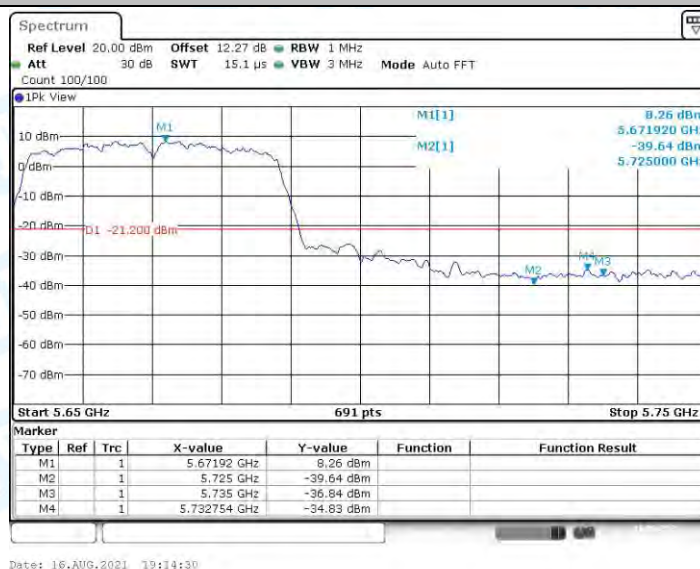


## 11AC40MIMO\_Ant2\_High\_5670\_AV





11AC40MIMO\_Ant2\_High\_5670\_Peak

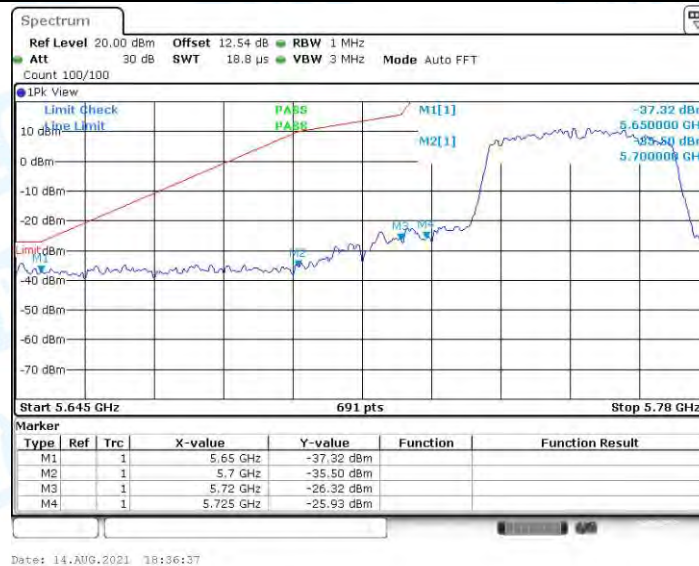


11AC40MIMO\_Ant1\_Low\_5755\_Peak



11AC40MIMO\_Ant2\_Low\_5755\_Peak





11AC40MIMO\_Ant1\_High\_5795\_Peak

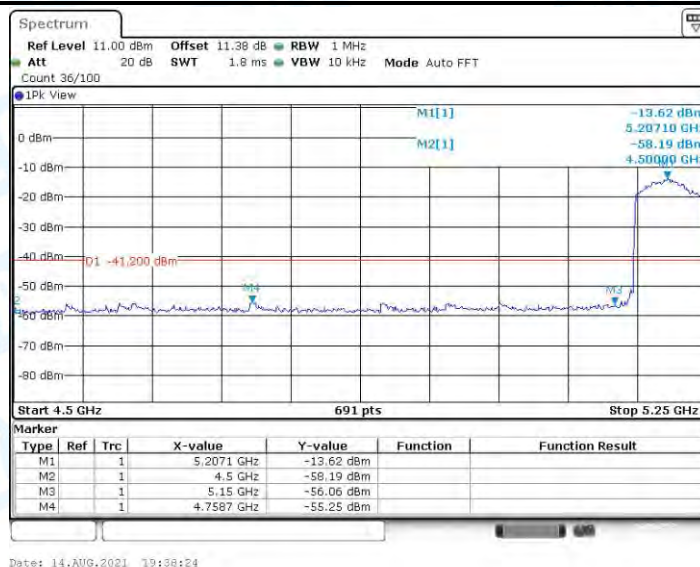


11AC40MIMO\_Ant2\_High\_5795\_Peak

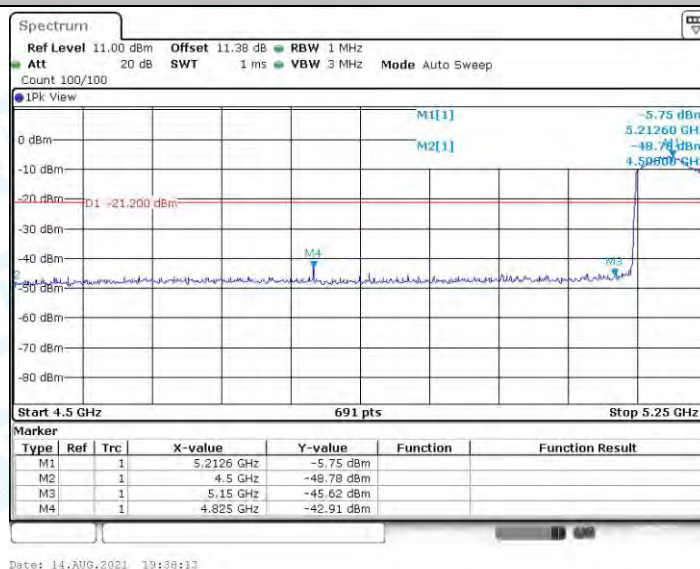


11AC80MIMO\_Ant1\_Low\_5210\_AV

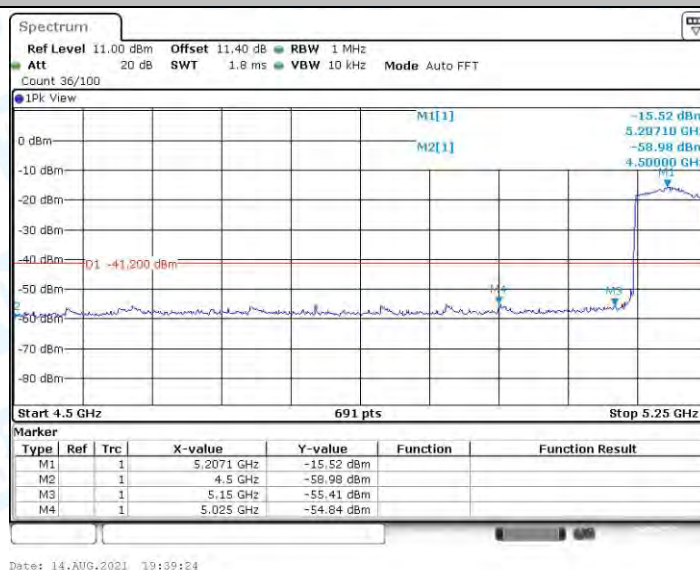




11AC80MIMO\_Ant1\_Low\_5210\_Peak

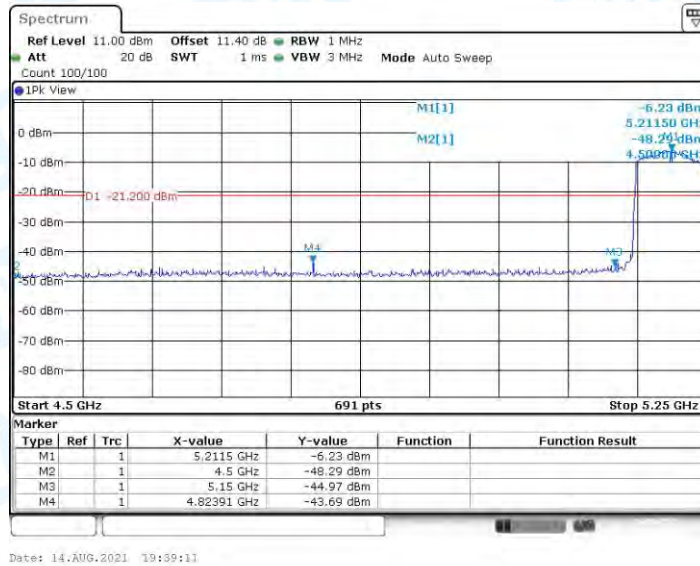


11AC80MIMO\_Ant2\_Low\_5210\_AV

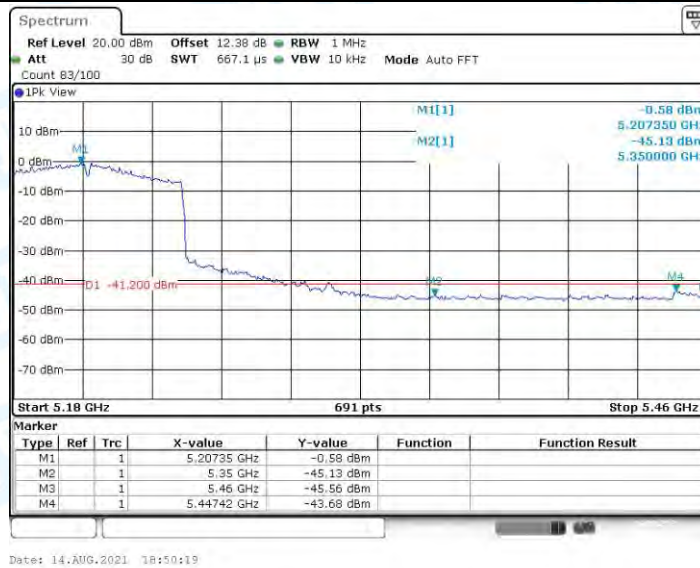


11AC80MIMO\_Ant2\_Low\_5210\_Peak

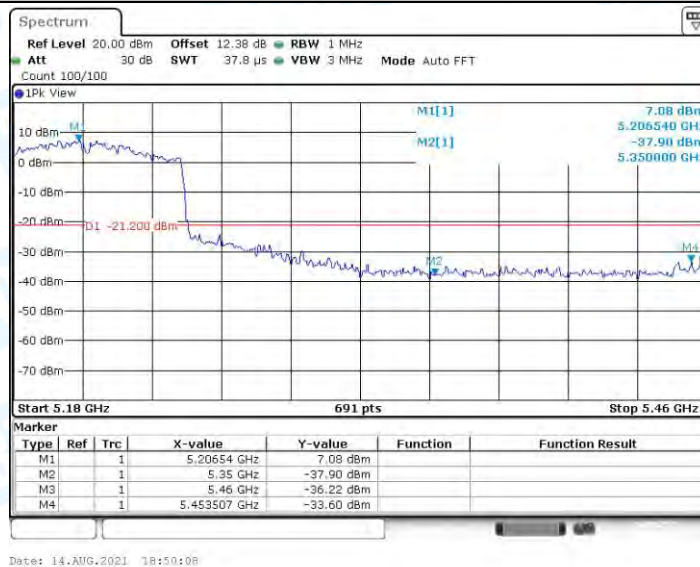




## 11AC80MIMO\_Ant1\_High\_5210\_AV

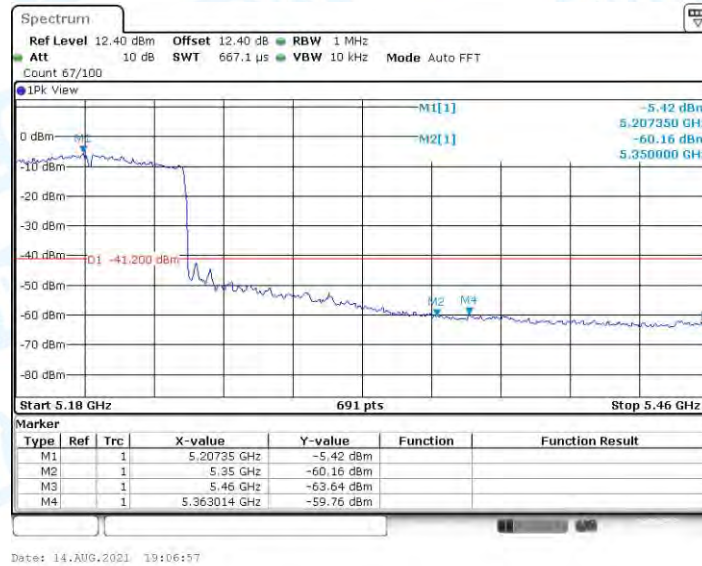


## 11AC80MIMO\_Ant1\_High\_5210\_Peak

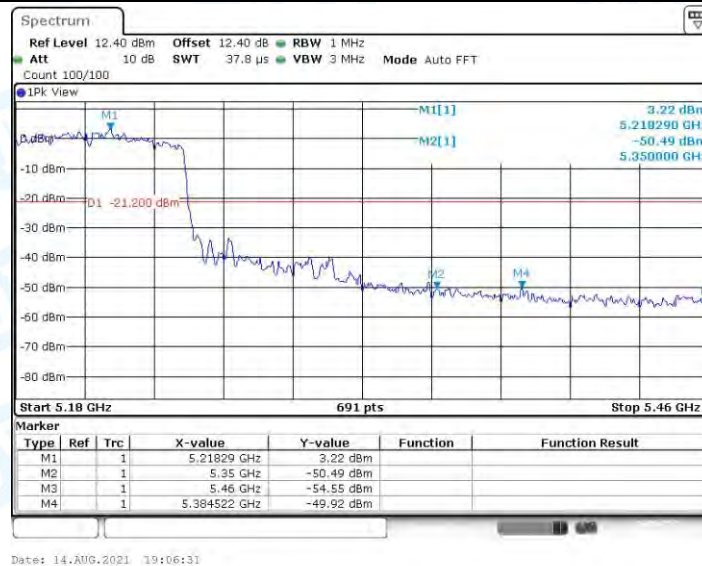


## 11AC80MIMO\_Ant2\_High\_5210\_AV

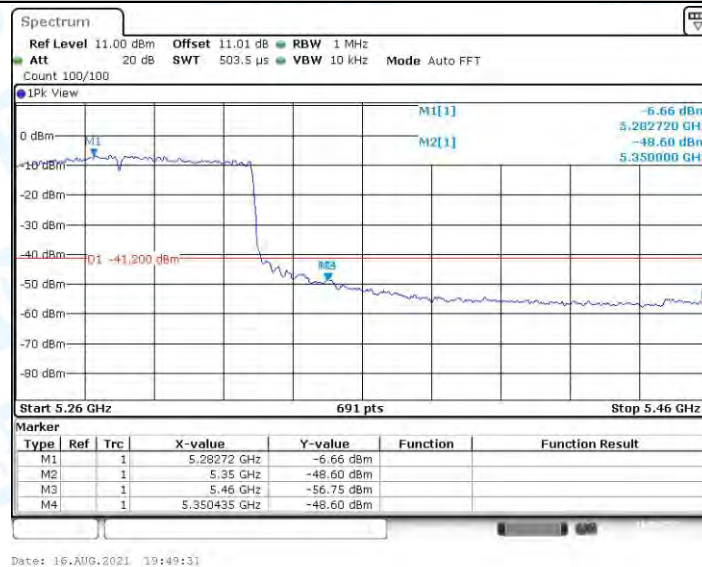




11AC80MIMO\_Ant2\_High\_5210\_Peak

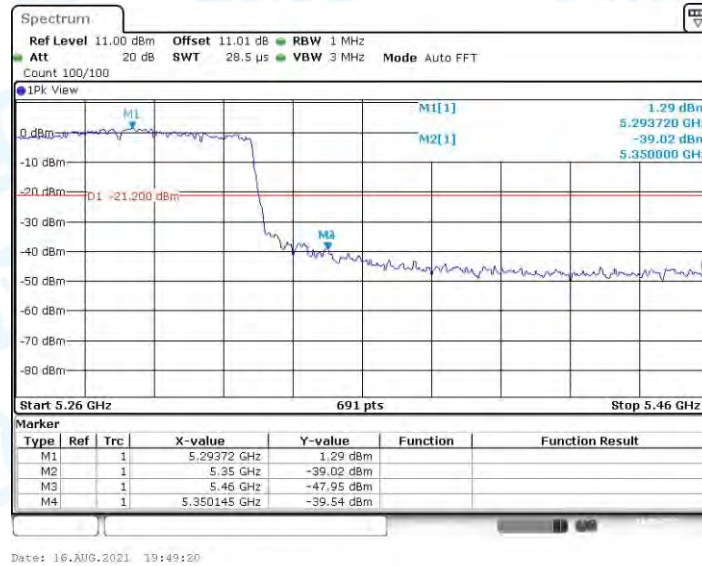


11AC80MIMO\_Ant1\_High\_5290\_AV

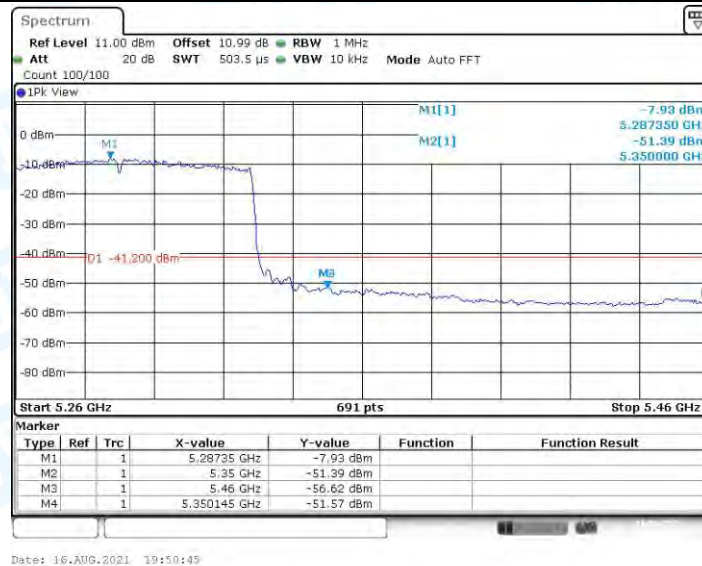


11AC80MIMO\_Ant1\_High\_5290\_Peak

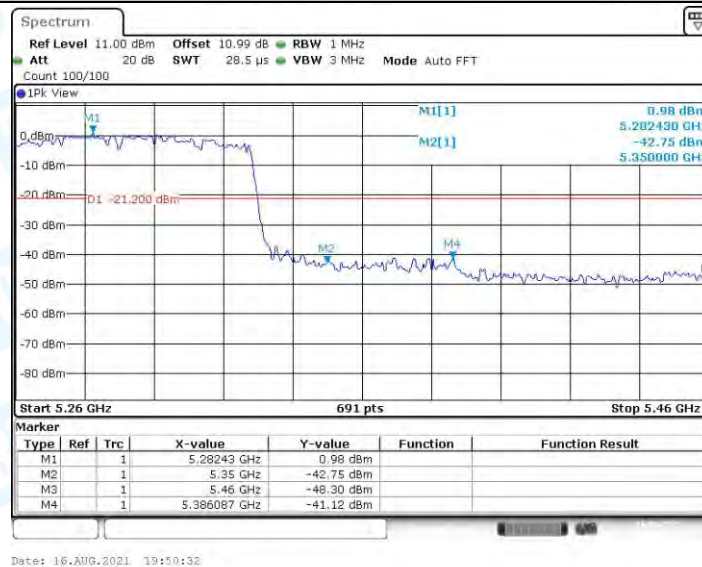




## 11AC80MIMO\_Ant2\_High\_5290\_AV

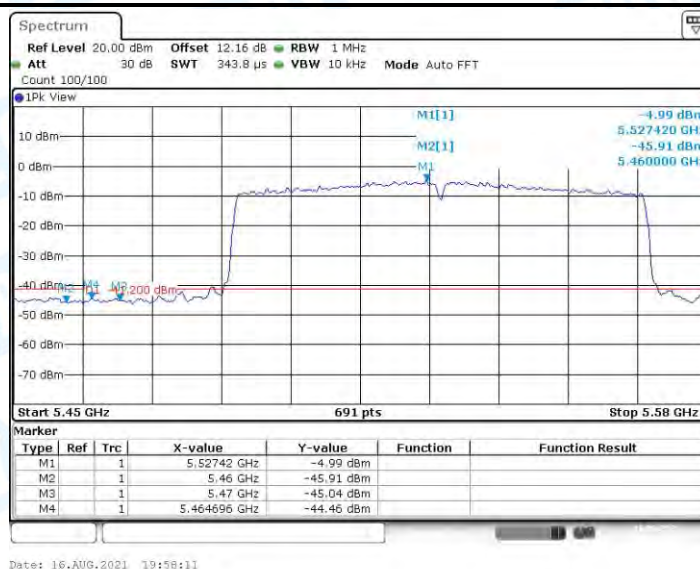


## 11AC80MIMO\_Ant2\_High\_5290\_Peak

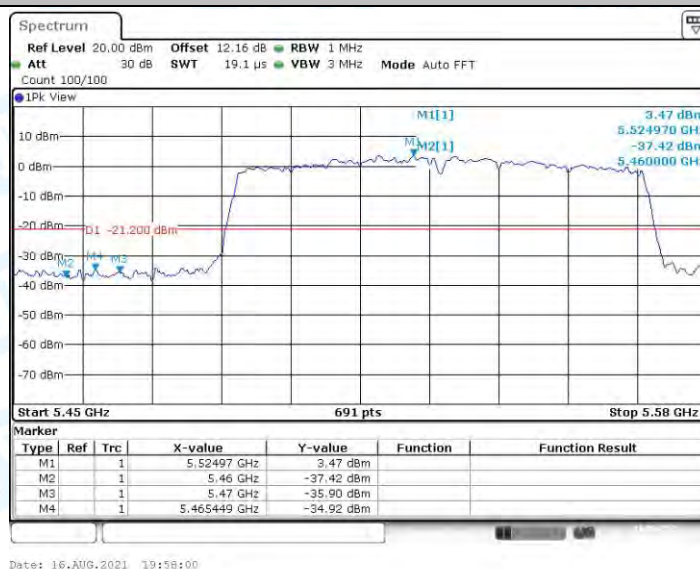


## 11AC80MIMO\_Ant1\_Low\_5530\_AV

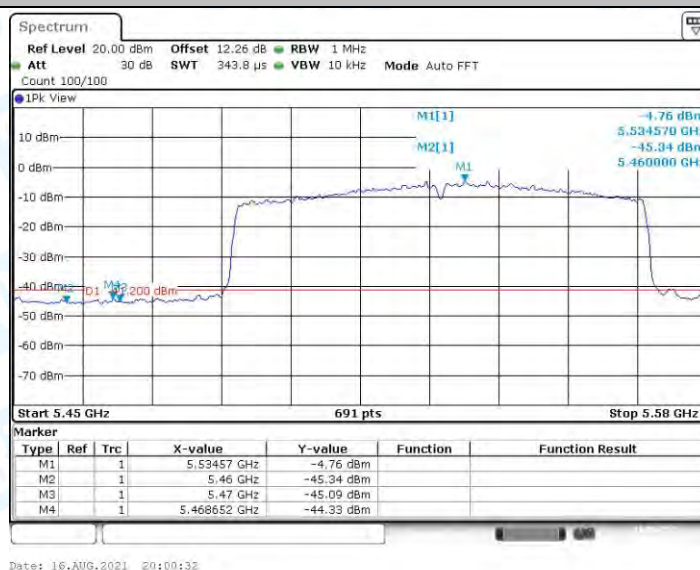




11AC80MIMO\_Ant1\_Low\_5530\_Peak

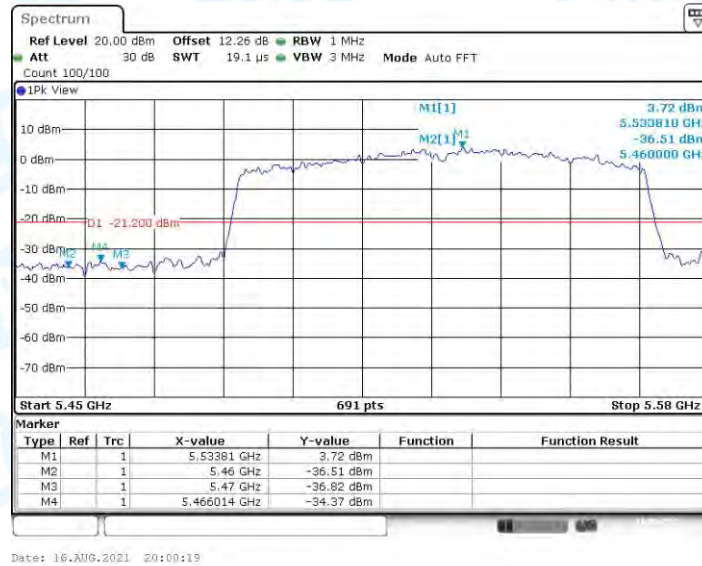


11AC80MIMO\_Ant2\_Low\_5530\_AV

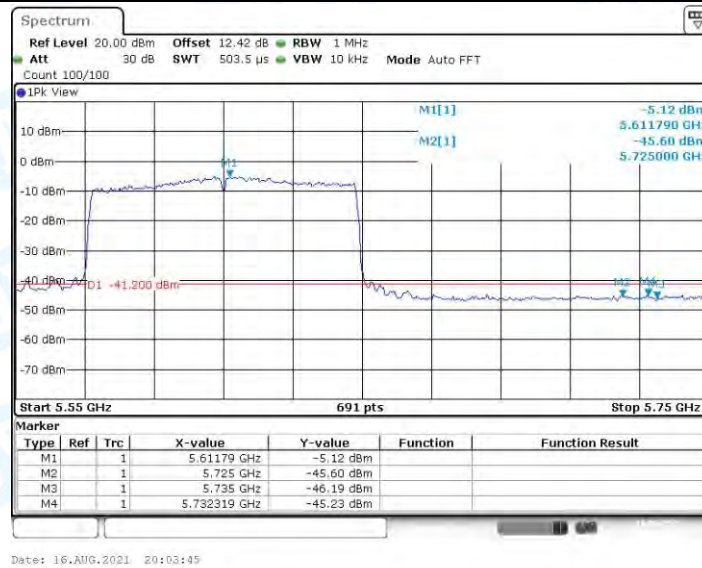


11AC80MIMO\_Ant2\_Low\_5530\_Peak

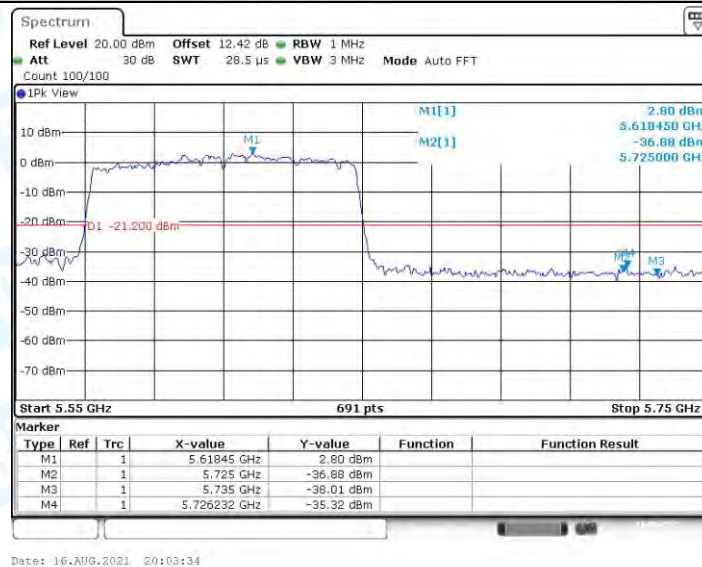




## 11AC80MIMO\_Ant1\_High\_5610\_AV

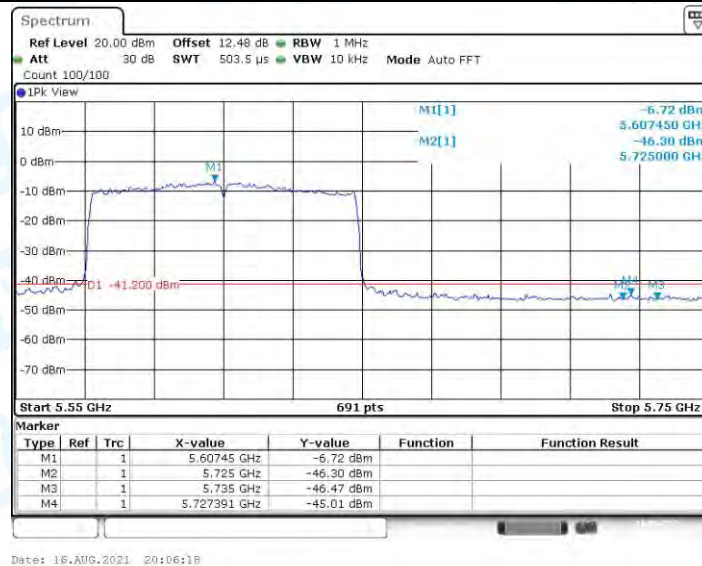


## 11AC80MIMO\_Ant1\_High\_5610\_Peak

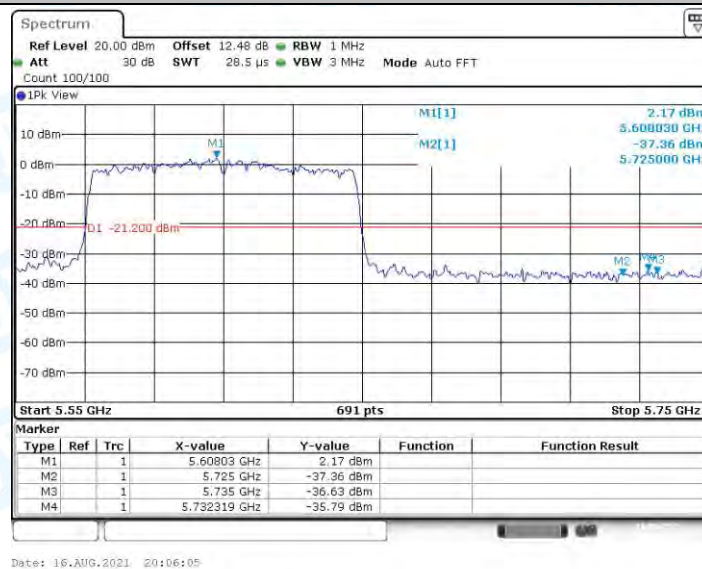


## 11AC80MIMO\_Ant2\_High\_5610\_AV





11AC80MIMO\_Ant2\_High\_5610\_Peak

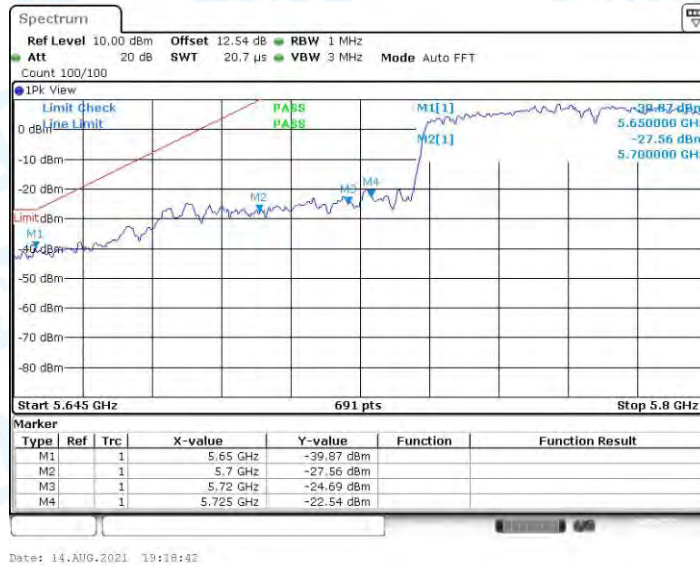


11AC80MIMO\_Ant1\_Low\_5775\_Peak



11AC80MIMO\_Ant2\_Low\_5775\_Peak





## 11AC80MIMO\_Ant1\_High\_5775\_Peak



## 11AC80MIMO\_Ant2\_High\_5775\_Peak





## 6. Conducted Spurious Emission

### 6.1. Test Result

| TestMode | Antenna | Channel | FreqRange<br>[MHz] | Max. Fre<br>[MHz] | Max. Level<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|---------------------|----------------|---------|
| 11A-CDD  | Ant1    | 5180    | 30~1000            | 970.21            | -48.15              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 40000             | -39.06              | <=-27          | PASS    |
|          | Ant2    | 5180    | 30~1000            | 973.21            | -45.11              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39704.9           | -39.06              | <=-27          | PASS    |
|          | Ant1    | 5200    | 30~1000            | 997.3             | -48.12              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39723.1           | -39.12              | <=-27          | PASS    |
|          | Ant2    | 5200    | 30~1000            | 992.42            | -49.1               | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39736.1           | -39.15              | <=-27          | PASS    |
|          | Ant1    | 5240    | 30~1000            | 903.02            | -54.2               | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39392.9           | -39.17              | <=-27          | PASS    |
|          | Ant2    | 5240    | 30~1000            | 709.61            | -52.07              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39981.8           | -38.41              | <=-27          | PASS    |
|          | Ant1    | 5260    | 30~1000            | 706.83            | -53.44              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39958.4           | -39.12              | <=-27          | PASS    |
|          | Ant2    | 5260    | 30~1000            | 959.67            | -53.18              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39407.2           | -38.57              | <=-27          | PASS    |
|          | Ant1    | 5280    | 30~1000            | 118.45            | -53.4               | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39669.8           | -39.49              | <=-27          | PASS    |
|          | Ant2    | 5280    | 30~1000            | 861.12            | -52.91              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39970.1           | -38.97              | <=-27          | PASS    |
|          | Ant1    | 5320    | 30~1000            | 520.95            | -53.54              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39992.2           | -39.19              | <=-27          | PASS    |
|          | Ant2    | 5320    | 30~1000            | 921.22            | -53.26              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39638.6           | -40.03              | <=-27          | PASS    |
|          | Ant1    | 5500    | 30~1000            | 949.58            | -53.99              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 10998.3           | -34.21              | <=-27          | PASS    |
|          | Ant2    | 5500    | 30~1000            | 509.96            | -53.73              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39967.5           | -38.92              | <=-27          | PASS    |
|          | Ant1    | 5580    | 30~1000            | 994.62            | -53.01              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39953.2           | -38.78              | <=-27          | PASS    |
|          | Ant2    | 5580    | 30~1000            | 960.02            | -52.78              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39975.3           | -38.59              | <=-27          | PASS    |
|          | Ant1    | 5700    | 30~1000            | 920.16            | -53.19              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 11394.8           | -32.96              | <=-27          | PASS    |
|          | Ant2    | 5700    | 30~1000            | 526.09            | -54.24              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39983.1           | -39.06              | <=-27          | PASS    |
|          | Ant1    | 5745    | 30~1000            | 889.34            | -53.57              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 11488.4           | -30.83              | <=-27          | PASS    |
|          | Ant2    | 5745    | 30~1000            | 894.16            | -52.83              | <=-27          | PASS    |
|          |         |         | 1000~40000         | 39996.1           | -38.53              | <=-27          | PASS    |



|           |      |      |            |         |        |       |      |
|-----------|------|------|------------|---------|--------|-------|------|
|           | Ant1 | 5785 | 30~1000    | 925.81  | -54.4  | <=-27 | PASS |
|           |      |      | 1000~40000 | 11563.8 | -33.44 | <=-27 | PASS |
|           | Ant2 | 5785 | 30~1000    | 960.77  | -53.67 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39842.7 | -38.78 | <=-27 | PASS |
|           | Ant1 | 5825 | 30~1000    | 867.94  | -54.12 | <=-27 | PASS |
|           |      |      | 1000~40000 | 11652.2 | -38.11 | <=-27 | PASS |
| 11N20MIMO | Ant2 | 5825 | 30~1000    | 255.7   | -53.42 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39989.6 | -39.16 | <=-27 | PASS |
|           | Ant1 | 5180 | 30~1000    | 970.92  | -51.51 | <=-27 | PASS |
|           |      |      | 1000~40000 | 38983.4 | -38.77 | <=-27 | PASS |
|           | Ant2 | 5180 | 30~1000    | 963.38  | -48.86 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39763.4 | -38.65 | <=-27 | PASS |
|           | Ant1 | 5200 | 30~1000    | 861.96  | -50.9  | <=-27 | PASS |
|           |      |      | 1000~40000 | 39996.1 | -38.53 | <=-27 | PASS |
|           | Ant2 | 5200 | 30~1000    | 988.57  | -52.59 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39000.3 | -39.03 | <=-27 | PASS |
|           | Ant1 | 5240 | 30~1000    | 990.09  | -53.15 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39516.4 | -38.76 | <=-27 | PASS |
|           | Ant2 | 5240 | 30~1000    | 797.03  | -52.75 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39487.8 | -39.1  | <=-27 | PASS |
|           | Ant1 | 5260 | 30~1000    | 890.18  | -52.44 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39515.1 | -38.95 | <=-27 | PASS |
|           | Ant2 | 5260 | 30~1000    | 977.97  | -53.92 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39957.1 | -38.92 | <=-27 | PASS |
|           | Ant1 | 5280 | 30~1000    | 965.49  | -52.78 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39460.5 | -39.87 | <=-27 | PASS |
|           | Ant2 | 5280 | 30~1000    | 889.54  | -53.36 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39946.7 | -39.65 | <=-27 | PASS |
|           | Ant1 | 5320 | 30~1000    | 872.14  | -53.4  | <=-27 | PASS |
|           |      |      | 1000~40000 | 39957.1 | -39.13 | <=-27 | PASS |
|           | Ant2 | 5320 | 30~1000    | 513.97  | -53.87 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39482.6 | -39.08 | <=-27 | PASS |
|           | Ant1 | 5500 | 30~1000    | 862.57  | -52.84 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39516.4 | -38.67 | <=-27 | PASS |
|           | Ant2 | 5500 | 30~1000    | 888.24  | -53.22 | <=-27 | PASS |
|           |      |      | 1000~40000 | 1234    | -36.5  | <=-27 | PASS |
|           | Ant1 | 5580 | 30~1000    | 861.57  | -51.35 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39597   | -38.97 | <=-27 | PASS |
|           | Ant2 | 5580 | 30~1000    | 962.51  | -53.18 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39942.8 | -38.3  | <=-27 | PASS |
|           | Ant1 | 5700 | 30~1000    | 729.3   | -52.89 | <=-27 | PASS |
|           |      |      | 1000~40000 | 11400   | -33.87 | <=-27 | PASS |
|           | Ant2 | 5700 | 30~1000    | 783.97  | -53.96 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39975.3 | -39.67 | <=-27 | PASS |
|           | Ant1 | 5745 | 30~1000    | 120.13  | -53.41 | <=-27 | PASS |
|           |      |      | 1000~40000 | 11493.6 | -31.16 | <=-27 | PASS |



|           |      |      |            |         |        |       |      |
|-----------|------|------|------------|---------|--------|-------|------|
|           | Ant2 | 5745 | 30~1000    | 712.32  | -53.28 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39361.7 | -38.71 | <=-27 | PASS |
|           | Ant1 | 5785 | 30~1000    | 118.41  | -53.05 | <=-27 | PASS |
|           |      |      | 1000~40000 | 11569   | -37.84 | <=-27 | PASS |
|           | Ant2 | 5785 | 30~1000    | 847.96  | -54.09 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39795.9 | -39.1  | <=-27 | PASS |
|           | Ant1 | 5825 | 30~1000    | 844.18  | -53.88 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39945.4 | -39.48 | <=-27 | PASS |
|           | Ant2 | 5825 | 30~1000    | 863.8   | -52.22 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39985.7 | -38.93 | <=-27 | PASS |
| 11N40MIMO | Ant1 | 5190 | 30~1000    | 115.54  | -52.56 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39962.3 | -38.26 | <=-27 | PASS |
|           | Ant2 | 5190 | 30~1000    | 706.41  | -51.58 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39438.4 | -38.38 | <=-27 | PASS |
|           | Ant1 | 5230 | 30~1000    | 958.5   | -53.05 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39594.4 | -39.2  | <=-27 | PASS |
|           | Ant2 | 5230 | 30~1000    | 511.73  | -52.73 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39413.7 | -38.3  | <=-27 | PASS |
|           | Ant1 | 5270 | 30~1000    | 678.73  | -54.1  | <=-27 | PASS |
|           |      |      | 1000~40000 | 39407.2 | -38.93 | <=-27 | PASS |
|           | Ant2 | 5270 | 30~1000    | 960.02  | -53.45 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39977.9 | -39.39 | <=-27 | PASS |
|           | Ant1 | 5310 | 30~1000    | 958.95  | -52.36 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39971.4 | -39.57 | <=-27 | PASS |
|           | Ant2 | 5310 | 30~1000    | 846.15  | -53.81 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39417.6 | -38.26 | <=-27 | PASS |
|           | Ant1 | 5510 | 30~1000    | 705.6   | -54.31 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39825.8 | -38.73 | <=-27 | PASS |
|           | Ant2 | 5510 | 30~1000    | 861.57  | -52.01 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39981.8 | -38.87 | <=-27 | PASS |
|           | Ant1 | 5550 | 30~1000    | 710.71  | -51.17 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39487.8 | -39.53 | <=-27 | PASS |
|           | Ant2 | 5550 | 30~1000    | 475.52  | -54.03 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39730.9 | -38.81 | <=-27 | PASS |
|           | Ant1 | 5670 | 30~1000    | 147.35  | -52.86 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39996.1 | -38.19 | <=-27 | PASS |
|           | Ant2 | 5670 | 30~1000    | 861.89  | -54.1  | <=-27 | PASS |
|           |      |      | 1000~40000 | 39581.4 | -38.88 | <=-27 | PASS |
|           | Ant1 | 5755 | 30~1000    | 118.8   | -53.94 | <=-27 | PASS |
|           |      |      | 1000~40000 | 11500.1 | -34.87 | <=-27 | PASS |
|           | Ant2 | 5755 | 30~1000    | 890.15  | -52.2  | <=-27 | PASS |
|           |      |      | 1000~40000 | 39996.1 | -37.86 | <=-27 | PASS |
|           | Ant1 | 5795 | 30~1000    | 536.57  | -54.51 | <=-27 | PASS |
|           |      |      | 1000~40000 | 39990.9 | -38.79 | <=-27 | PASS |
|           | Ant2 | 5795 | 30~1000    | 888.18  | -54.11 | <=-27 | PASS |
|           |      |      | 1000~40000 | 40000   | -38.32 | <=-27 | PASS |



|            |      |      |            |         |        |       |      |
|------------|------|------|------------|---------|--------|-------|------|
| 11AC20MIMO | Ant1 | 5180 | 30~1000    | 972.99  | -51.41 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39793.3 | -38.75 | <=-27 | PASS |
|            | Ant2 | 5180 | 30~1000    | 865.51  | -52.95 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39762.1 | -38.71 | <=-27 | PASS |
|            | Ant1 | 5200 | 30~1000    | 993.36  | -51.85 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39894.7 | -39.1  | <=-27 | PASS |
|            | Ant2 | 5200 | 30~1000    | 992.77  | -52.54 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39941.5 | -39.04 | <=-27 | PASS |
|            | Ant1 | 5240 | 30~1000    | 714.98  | -53.88 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39993.5 | -38.72 | <=-27 | PASS |
|            | Ant2 | 5240 | 30~1000    | 242.05  | -53.7  | <=-27 | PASS |
|            |      |      | 1000~40000 | 39599.6 | -39.19 | <=-27 | PASS |
|            | Ant1 | 5260 | 30~1000    | 918.86  | -53.43 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39994.8 | -39.15 | <=-27 | PASS |
|            | Ant2 | 5260 | 30~1000    | 691.31  | -53.11 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39987   | -39.28 | <=-27 | PASS |
|            | Ant1 | 5280 | 30~1000    | 860.11  | -49.73 | ≤-27  | PASS |
|            |      |      | 1000~40000 | 39637.3 | -34.26 | ≤-27  | PASS |
|            | Ant2 | 5280 | 30~1000    | 978.81  | -52.93 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39433.2 | -39.1  | <=-27 | PASS |
|            | Ant1 | 5320 | 30~1000    | 117.09  | -53.69 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39929.8 | -39.28 | <=-27 | PASS |
|            | Ant2 | 5320 | 30~1000    | 959.8   | -52.97 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39964.9 | -38.34 | <=-27 | PASS |
|            | Ant1 | 5500 | 30~1000    | 875.96  | -54.04 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39785.5 | -39.69 | <=-27 | PASS |
|            | Ant2 | 5500 | 30~1000    | 891.74  | -53.72 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39997.4 | -39.32 | <=-27 | PASS |
|            | Ant1 | 5580 | 30~1000    | 848.54  | -54.16 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39742.6 | -38.94 | <=-27 | PASS |
|            | Ant2 | 5580 | 30~1000    | 595.8   | -53.58 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39395.5 | -38.07 | <=-27 | PASS |
|            | Ant1 | 5700 | 30~1000    | 863.15  | -53.53 | <=-27 | PASS |
|            |      |      | 1000~40000 | 2495    | -32.76 | <=-27 | PASS |
|            | Ant2 | 5700 | 30~1000    | 673.82  | -53.52 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39983.1 | -39.32 | <=-27 | PASS |
|            | Ant1 | 5745 | 30~1000    | 888.63  | -53.76 | <=-27 | PASS |
|            |      |      | 1000~40000 | 11488.4 | -33.56 | <=-27 | PASS |
|            | Ant2 | 5745 | 30~1000    | 893.71  | -53.52 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39135.5 | -39.01 | <=-27 | PASS |
|            | Ant1 | 5785 | 30~1000    | 717.95  | -53.68 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39619.1 | -38.69 | <=-27 | PASS |
|            | Ant2 | 5785 | 30~1000    | 509.12  | -53.87 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39494.3 | -38.94 | <=-27 | PASS |
|            | Ant1 | 5825 | 30~1000    | 974.54  | -53.88 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39993.5 | -39.18 | <=-27 | PASS |



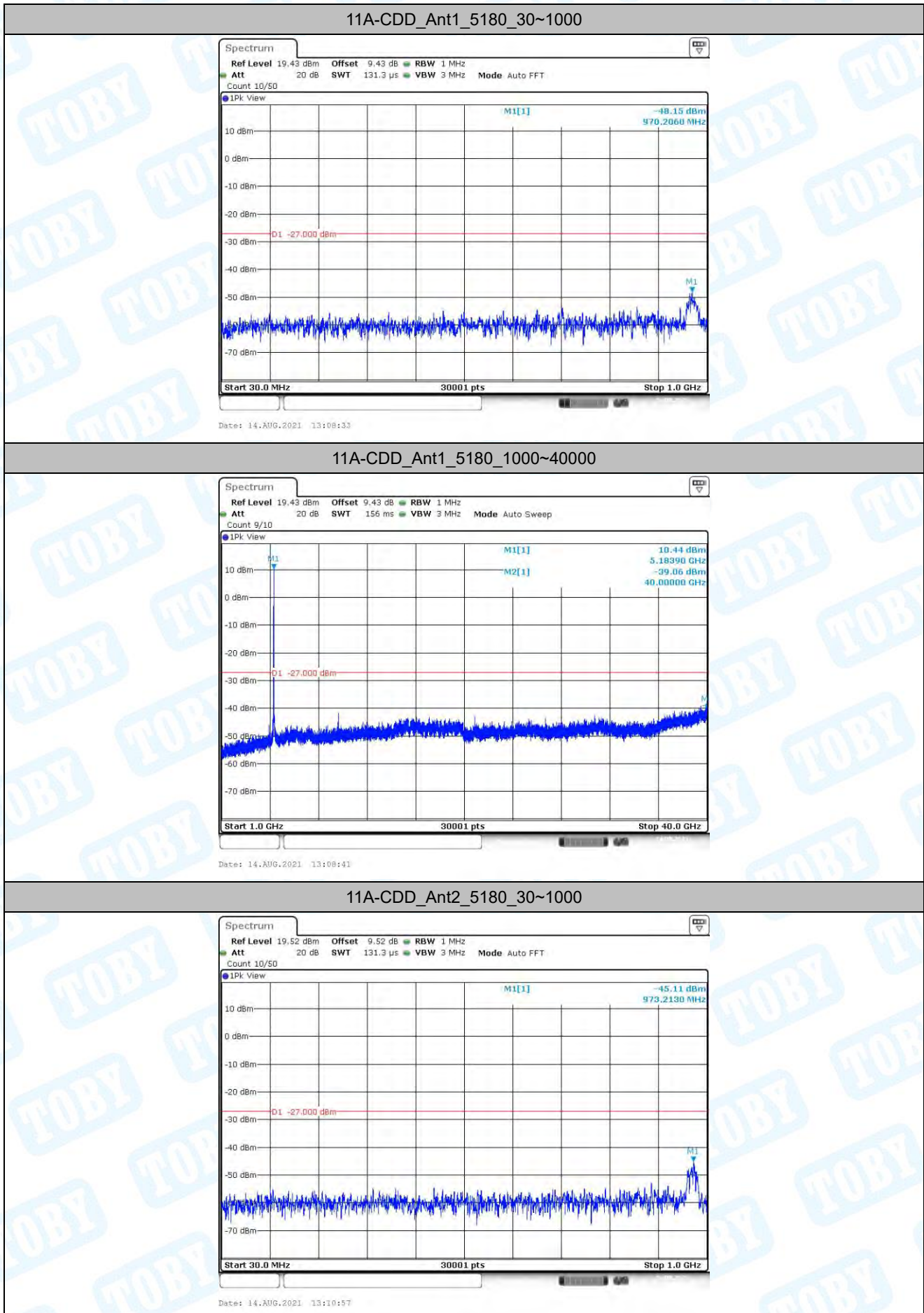
|            |      |      |            |         |        |       |      |
|------------|------|------|------------|---------|--------|-------|------|
|            | Ant2 | 5825 | 30~1000    | 966.52  | -54.07 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39994.8 | -39.62 | <=-27 | PASS |
| 11AC40MIMO | Ant1 | 5190 | 30~1000    | 708.02  | -53.17 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39587.9 | -39.07 | <=-27 | PASS |
|            | Ant2 | 5190 | 30~1000    | 982.72  | -54.08 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39962.3 | -39.08 | <=-27 | PASS |
|            | Ant1 | 5230 | 30~1000    | 900.92  | -53.33 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39005.5 | -39.07 | <=-27 | PASS |
|            | Ant2 | 5230 | 30~1000    | 900.53  | -53.44 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39459.2 | -39.23 | <=-27 | PASS |
|            | Ant1 | 5270 | 30~1000    | 692.73  | -54.22 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39957.1 | -39    | <=-27 | PASS |
|            | Ant2 | 5270 | 30~1000    | 892.38  | -52.02 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39704.9 | -39    | <=-27 | PASS |
|            | Ant1 | 5310 | 30~1000    | 747.95  | -53.88 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39678.9 | -39.46 | <=-27 | PASS |
|            | Ant2 | 5310 | 30~1000    | 889.25  | -53.1  | <=-27 | PASS |
|            |      |      | 1000~40000 | 39954.5 | -39.78 | <=-27 | PASS |
|            | Ant1 | 5510 | 30~1000    | 511.41  | -52.75 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39988.3 | -38.72 | <=-27 | PASS |
|            | Ant2 | 5510 | 30~1000    | 860.5   | -53.73 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39983.1 | -38.66 | <=-27 | PASS |
|            | Ant1 | 5550 | 30~1000    | 855.88  | -52.81 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39923.3 | -38.26 | <=-27 | PASS |
|            | Ant2 | 5550 | 30~1000    | 906.84  | -52.8  | <=-27 | PASS |
|            |      |      | 1000~40000 | 39970.1 | -39.13 | <=-27 | PASS |
|            | Ant1 | 5670 | 30~1000    | 889.67  | -53.26 | <=-27 | PASS |
|            |      |      | 1000~40000 | 11350.6 | -38.62 | <=-27 | PASS |
|            | Ant2 | 5670 | 30~1000    | 761.95  | -54.24 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39520.3 | -38.77 | <=-27 | PASS |
|            | Ant1 | 5755 | 30~1000    | 709.16  | -53.16 | <=-27 | PASS |
|            |      |      | 1000~40000 | 11501.4 | -35.21 | <=-27 | PASS |
|            | Ant2 | 5755 | 30~1000    | 888.73  | -53.16 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39988.3 | -38.48 | <=-27 | PASS |
|            | Ant1 | 5795 | 30~1000    | 464.53  | -53.39 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39403.3 | -39.11 | <=-27 | PASS |
|            | Ant2 | 5795 | 30~1000    | 351.3   | -53.99 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39611.3 | -38.78 | <=-27 | PASS |
| 11AC80MIMO | Ant1 | 5210 | 30~1000    | 863.22  | -52.8  | <=-27 | PASS |
|            |      |      | 1000~40000 | 39959.7 | -38.7  | <=-27 | PASS |
|            | Ant2 | 5210 | 30~1000    | 891.64  | -53.31 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39948   | -38.67 | <=-27 | PASS |
|            | Ant1 | 5290 | 30~1000    | 158.02  | -53.8  | <=-27 | PASS |
|            |      |      | 1000~40000 | 39977.9 | -39.06 | <=-27 | PASS |
|            | Ant2 | 5290 | 30~1000    | 526.54  | -53.77 | <=-27 | PASS |
|            |      |      | 1000~40000 | 39480   | -39    | <=-27 | PASS |



|  |      |      |            |         |        |       |      |
|--|------|------|------------|---------|--------|-------|------|
|  | Ant1 | 5530 | 30~1000    | 780.35  | -53.66 | <=-27 | PASS |
|  |      |      | 1000~40000 | 39967.5 | -38.37 | <=-27 | PASS |
|  | Ant2 | 5530 | 30~1000    | 861.89  | -52.89 | <=-27 | PASS |
|  |      |      | 1000~40000 | 39646.4 | -38.95 | <=-27 | PASS |
|  | Ant1 | 5610 | 30~1000    | 892.22  | -52.63 | <=-27 | PASS |
|  |      |      | 1000~40000 | 39370.8 | -38.68 | <=-27 | PASS |
|  | Ant2 | 5610 | 30~1000    | 893.32  | -53.39 | <=-27 | PASS |
|  |      |      | 1000~40000 | 39963.6 | -38.94 | <=-27 | PASS |
|  | Ant1 | 5775 | 30~1000    | 737.51  | -53.83 | <=-27 | PASS |
|  |      |      | 1000~40000 | 39438.4 | -38.04 | <=-27 | PASS |
|  | Ant2 | 5775 | 30~1000    | 570.29  | -53.21 | <=-27 | PASS |
|  |      |      | 1000~40000 | 39741.3 | -38.76 | <=-27 | PASS |

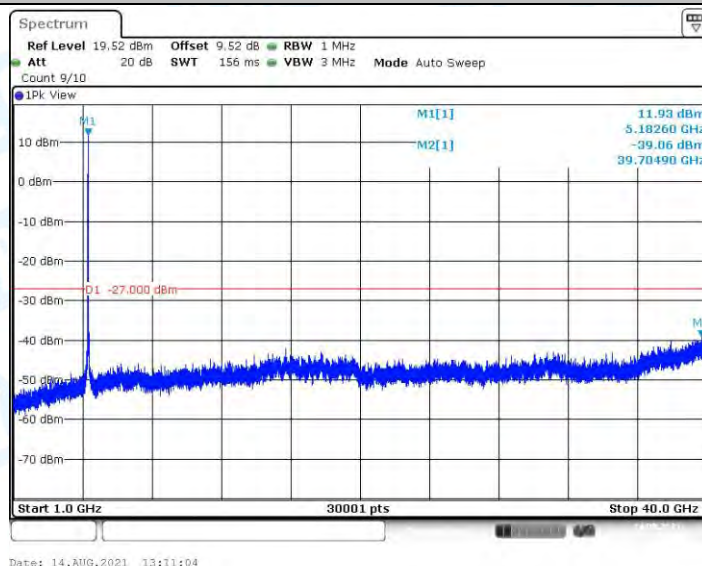


## 6.2.Test Graphs

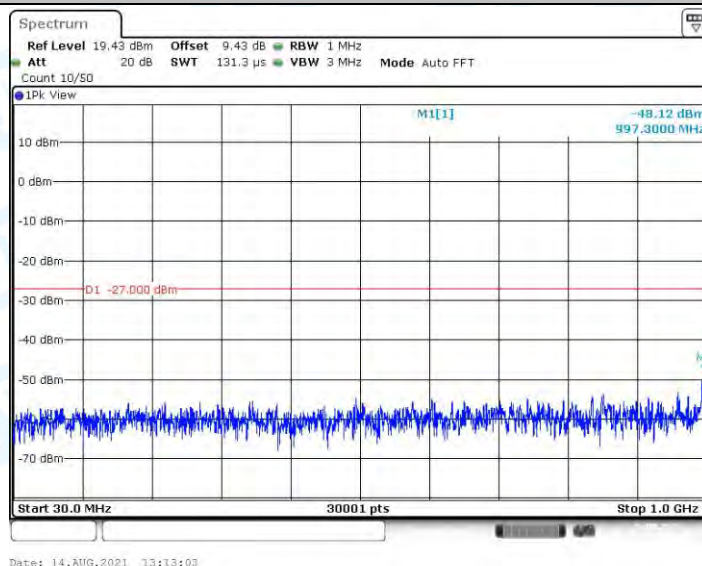




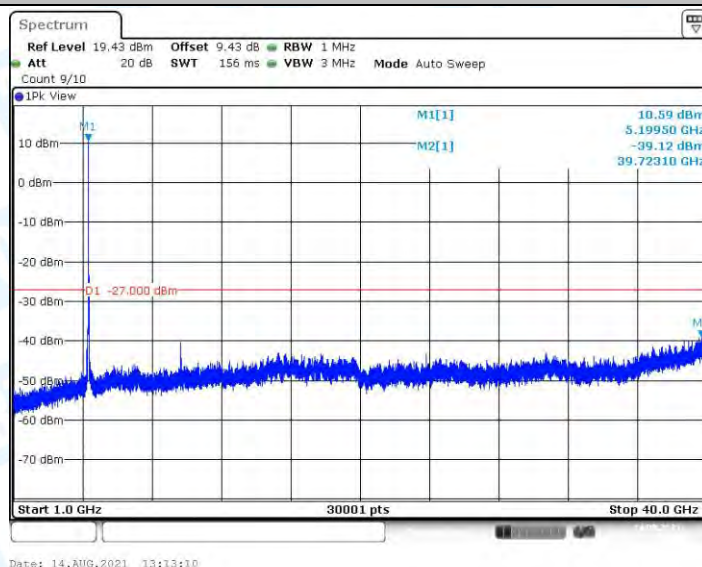
## 11A-CDD\_Ant2\_5180\_1000~40000



## 11A-CDD\_Ant1\_5200\_30~1000

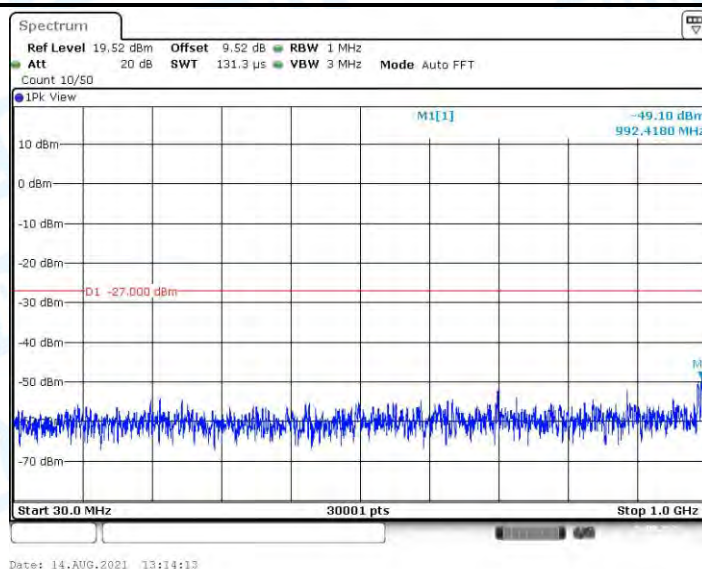


## 11A-CDD\_Ant1\_5200\_1000~40000

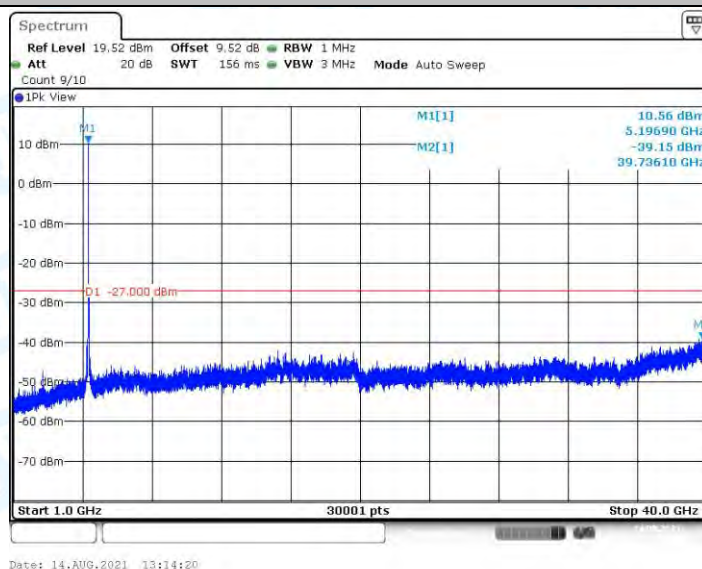


## 11A-CDD\_Ant2\_5200\_30~1000

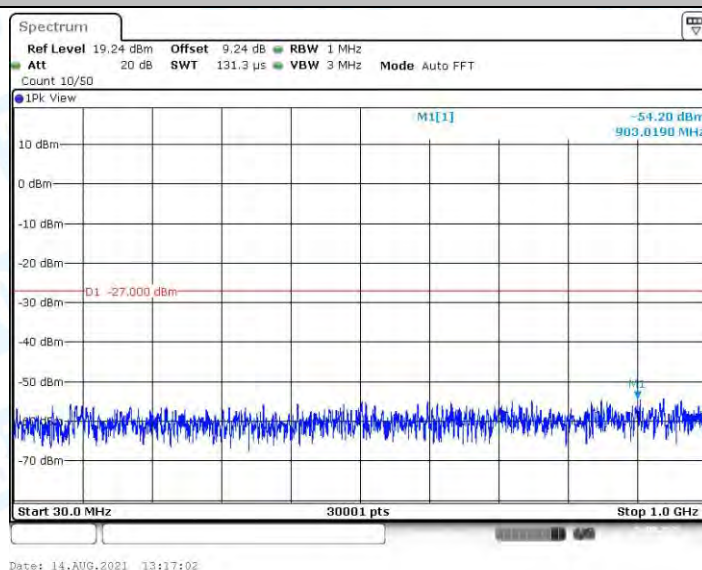




11A-CDD\_Ant2\_5200\_1000~40000

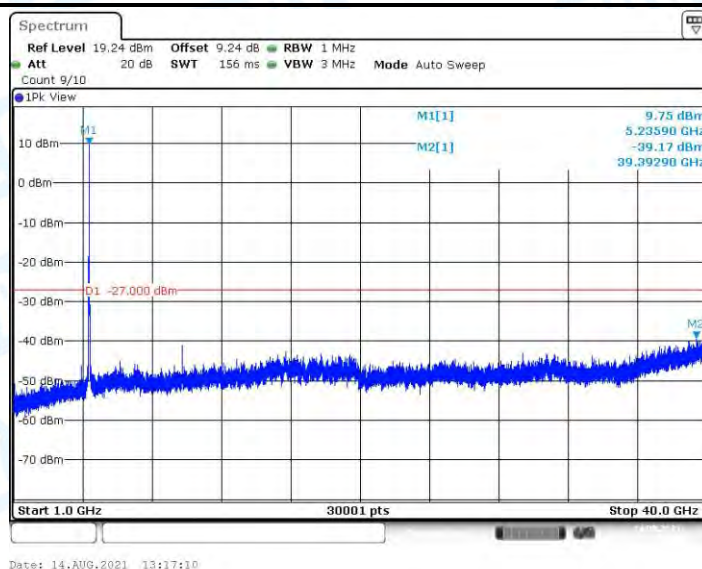


11A-CDD\_Ant1\_5240\_30~1000

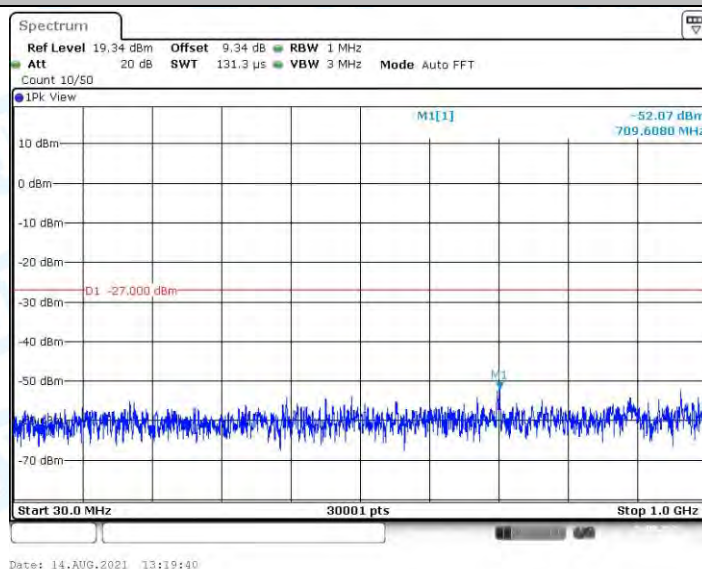


11A-CDD\_Ant1\_5240\_1000~40000

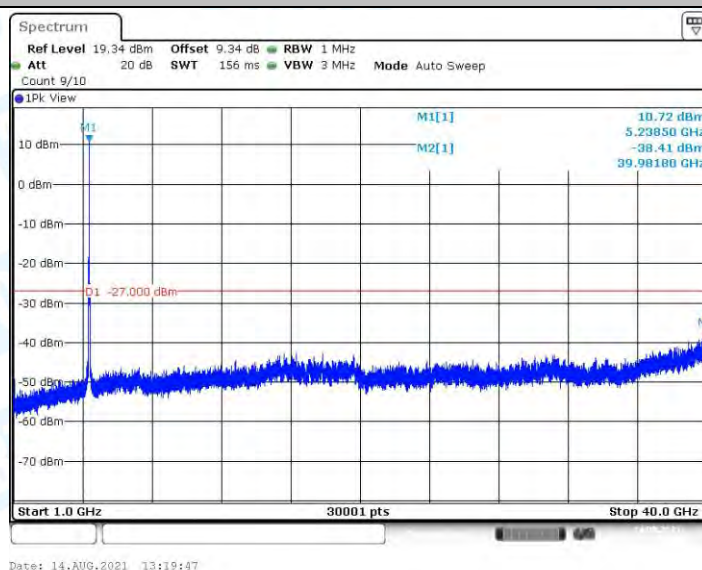




11A-CDD\_Ant2\_5240\_30~1000



11A-CDD\_Ant2\_5240\_1000~40000



11A-CDD\_Ant1\_5260\_30~1000