

**AppendixB: Maximum conducted output power****Test Result**

| TestMode  | Antenna | Channel      | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------------|-------------|------------|---------|
| 11a       | Ant1    | 5180         | 13.06       | <=23.98    | PASS    |
|           | Ant2    | 5180         | 15.15       | <=23.98    | PASS    |
|           | Ant1    | 5200         | 12.93       | <=23.98    | PASS    |
|           | Ant2    | 5200         | 15.07       | <=23.98    | PASS    |
|           | Ant1    | 5240         | 12.14       | <=23.98    | PASS    |
|           | Ant2    | 5240         | 14.72       | <=23.98    | PASS    |
|           | Ant1    | 5260         | 13.16       | <=23.72    | PASS    |
|           | Ant2    | 5260         | 15.01       | <=23.79    | PASS    |
|           | Ant1    | 5280         | 13.20       | <=23.76    | PASS    |
|           | Ant2    | 5280         | 15.08       | <=23.74    | PASS    |
|           | Ant1    | 5320         | 13.40       | <=23.75    | PASS    |
|           | Ant2    | 5320         | 15.21       | <=23.73    | PASS    |
|           | Ant1    | 5500         | 13.07       | <=23.72    | PASS    |
|           | Ant2    | 5500         | 14.40       | <=23.73    | PASS    |
|           | Ant1    | 5600         | 12.82       | <=23.70    | PASS    |
|           | Ant2    | 5600         | 15.19       | <=23.76    | PASS    |
|           | Ant1    | 5720_UNII-2C | 11.99       | <=22.58    | PASS    |
|           | Ant2    | 5720_UNII-2C | 11.76       | <=22.60    | PASS    |
|           | Ant1    | 5720_UNII-3  | 5.36        | <=30       | PASS    |
|           | Ant2    | 5720_UNII-3  | 5.16        | <=30       | PASS    |
|           | Ant1    | 5745         | 12.07       | <=30       | PASS    |
|           | Ant2    | 5745         | 14.86       | <=30       | PASS    |
|           | Ant1    | 5785         | 12.67       | <=30       | PASS    |
|           | Ant2    | 5785         | 14.53       | <=30       | PASS    |
|           | Ant1    | 5825         | 12.49       | <=30       | PASS    |
|           | Ant2    | 5825         | 14.42       | <=30       | PASS    |
| 11N20MIMO | Ant1    | 5180         | 11.14       | <=23.98    | PASS    |
|           | Ant2    | 5180         | 12.99       | <=23.98    | PASS    |
|           | total   | 5180         | 15.2        | <=23.98    | PASS    |
|           | Ant1    | 5200         | 11.09       | <=23.98    | PASS    |
|           | Ant2    | 5200         | 12.91       | <=23.98    | PASS    |
|           | total   | 5200         | 15.1        | <=23.98    | PASS    |
|           | Ant1    | 5240         | 11.04       | <=23.98    | PASS    |
|           | Ant2    | 5240         | 12.76       | <=23.98    | PASS    |
|           | total   | 5240         | 15.0        | <=23.98    | PASS    |
|           | Ant1    | 5260         | 11.22       | <=23.98    | PASS    |
|           | Ant2    | 5260         | 12.63       | <=23.98    | PASS    |
|           | total   | 5260         | 15.0        | <=23.98    | PASS    |
|           | Ant1    | 5280         | 11.15       | <=23.95    | PASS    |

|           |       |              |       |         |      |
|-----------|-------|--------------|-------|---------|------|
|           | Ant2  | 5280         | 12.65 | <=23.93 | PASS |
|           | total | 5280         | 15.0  | <=23.93 | PASS |
|           | Ant1  | 5320         | 11.35 | <=23.93 | PASS |
|           | Ant2  | 5320         | 12.70 | <=23.97 | PASS |
|           | total | 5320         | 15.1  | <=23.97 | PASS |
|           | Ant1  | 5500         | 10.90 | <=23.96 | PASS |
|           | Ant2  | 5500         | 12.10 | <=23.98 | PASS |
|           | total | 5500         | 14.6  | <=23.98 | PASS |
|           | Ant1  | 5600         | 10.63 | <=23.98 | PASS |
|           | Ant2  | 5600         | 12.89 | <=23.95 | PASS |
|           | total | 5600         | 14.9  | <=23.95 | PASS |
|           | Ant1  | 5720_UNII-2C | 9.93  | <=22.76 | PASS |
|           | Ant2  | 5720_UNII-2C | 9.46  | <=22.71 | PASS |
|           | total | 5720_UNII-2C | 12.7  | <=22.71 | PASS |
|           | Ant1  | 5720_UNII-3  | 3.69  | <=30    | PASS |
|           | Ant2  | 5720_UNII-3  | 3.22  | <=30    | PASS |
|           | total | 5720_UNII-3  | 6.5   | <=30    | PASS |
|           | Ant1  | 5745         | 12.67 | <=30    | PASS |
|           | Ant2  | 5745         | 14.35 | <=30    | PASS |
|           | total | 5745         | 16.6  | <=30    | PASS |
|           | Ant1  | 5785         | 12.47 | <=30    | PASS |
|           | Ant2  | 5785         | 13.96 | <=30    | PASS |
|           | total | 5785         | 16.3  | <=30    | PASS |
|           | Ant1  | 5825         | 12.21 | <=30    | PASS |
|           | Ant2  | 5825         | 13.82 | <=30    | PASS |
|           | total | 5825         | 16.1  | <=30    | PASS |
| 11N40MIMO | Ant1  | 5190         | 12.70 | <=23.98 | PASS |
|           | Ant2  | 5190         | 14.18 | <=23.98 | PASS |
|           | total | 5190         | 16.5  | <=23.98 | PASS |
|           | Ant1  | 5230         | 12.35 | <=23.98 | PASS |
|           | Ant2  | 5230         | 14.02 | <=23.98 | PASS |
|           | total | 5230         | 16.3  | <=23.98 | PASS |
|           | Ant1  | 5270         | 12.57 | <=23.98 | PASS |
|           | Ant2  | 5270         | 14.13 | <=23.98 | PASS |
|           | total | 5270         | 16.4  | <=23.98 | PASS |
|           | Ant1  | 5310         | 12.73 | <=23.98 | PASS |
|           | Ant2  | 5310         | 14.31 | <=23.98 | PASS |
|           | total | 5310         | 16.6  | <=23.98 | PASS |
|           | Ant1  | 5510         | 11.35 | <=23.98 | PASS |
|           | Ant2  | 5510         | 12.57 | <=23.98 | PASS |
|           | total | 5510         | 15.0  | <=23.98 | PASS |
|           | Ant1  | 5550         | 11.42 | <=23.98 | PASS |
|           | Ant2  | 5550         | 12.66 | <=23.98 | PASS |
|           | total | 5550         | 15.1  | <=23.98 | PASS |

|            |       |              |       |         |      |
|------------|-------|--------------|-------|---------|------|
|            | Ant1  | 5710_UNII-2C | 11.06 | <=23.98 | PASS |
|            | Ant2  | 5710_UNII-2C | 10.60 | <=23.98 | PASS |
|            | total | 5710_UNII-2C | 13.8  | <=23.98 | PASS |
|            | Ant1  | 5710_UNII-3  | -0.28 | <=30    | PASS |
|            | Ant2  | 5710_UNII-3  | -0.68 | <=30    | PASS |
|            | total | 5710_UNII-3  | 2.5   | <=30    | PASS |
|            | Ant1  | 5755         | 12.43 | <=30    | PASS |
|            | Ant2  | 5755         | 13.83 | <=30    | PASS |
|            | total | 5755         | 16.2  | <=30    | PASS |
|            | Ant1  | 5795         | 12.07 | <=30    | PASS |
|            | Ant2  | 5795         | 13.60 | <=30    | PASS |
|            | total | 5795         | 15.9  | <=30    | PASS |
| 11ac20MIMO | Ant1  | 5180         | 11.02 | <=23.98 | PASS |
|            | Ant2  | 5180         | 12.79 | <=23.98 | PASS |
|            | total | 5180         | 15.0  | <=23.98 | PASS |
|            | Ant1  | 5200         | 10.94 | <=23.98 | PASS |
|            | Ant2  | 5200         | 12.67 | <=23.98 | PASS |
|            | total | 5200         | 14.9  | <=23.98 | PASS |
|            | Ant1  | 5240         | 10.87 | <=23.98 | PASS |
|            | Ant2  | 5240         | 12.61 | <=23.98 | PASS |
|            | total | 5240         | 14.8  | <=23.98 | PASS |
|            | Ant1  | 5260         | 11.15 | <=23.98 | PASS |
|            | Ant2  | 5260         | 12.58 | <=23.97 | PASS |
|            | total | 5260         | 14.9  | <=23.97 | PASS |
|            | Ant1  | 5280         | 11.11 | <=23.98 | PASS |
|            | Ant2  | 5280         | 12.73 | <=23.98 | PASS |
|            | total | 5280         | 15.0  | <=23.98 | PASS |
|            | Ant1  | 5320         | 11.36 | <=23.98 | PASS |
|            | Ant2  | 5320         | 12.71 | <=23.98 | PASS |
|            | total | 5320         | 15.1  | <=23.98 | PASS |
|            | Ant1  | 5500         | 10.82 | <=23.98 | PASS |
|            | Ant2  | 5500         | 12.12 | <=23.98 | PASS |
|            | total | 5500         | 14.5  | <=23.98 | PASS |
|            | Ant1  | 5600         | 10.75 | <=23.98 | PASS |
|            | Ant2  | 5600         | 12.90 | <=23.97 | PASS |
|            | total | 5600         | 15.0  | <=23.97 | PASS |
|            | Ant1  | 5720_UNII-2C | 9.89  | <=22.73 | PASS |
|            | Ant2  | 5720_UNII-2C | 9.42  | <=22.70 | PASS |
|            | total | 5720_UNII-2C | 12.7  | <=22.70 | PASS |
|            | Ant1  | 5720_UNII-3  | 3.62  | <=30    | PASS |
|            | Ant2  | 5720_UNII-3  | 3.17  | <=30    | PASS |
|            | total | 5720_UNII-3  | 6.4   | <=30    | PASS |
|            | Ant1  | 5745         | 12.73 | <=30    | PASS |
|            | Ant2  | 5745         | 14.40 | <=30    | PASS |

|            |       |              |       |         |      |
|------------|-------|--------------|-------|---------|------|
|            | total | 5745         | 16.7  | <=30    | PASS |
|            | Ant1  | 5785         | 12.37 | <=30    | PASS |
|            | Ant2  | 5785         | 14.02 | <=30    | PASS |
|            | total | 5785         | 16.3  | <=30    | PASS |
|            | Ant1  | 5825         | 12.20 | <=30    | PASS |
|            | Ant2  | 5825         | 13.86 | <=30    | PASS |
|            | total | 5825         | 16.1  | <=30    | PASS |
| 11ac40MIMO | Ant1  | 5190         | 11.84 | <=23.98 | PASS |
|            | Ant2  | 5190         | 13.39 | <=23.98 | PASS |
|            | total | 5190         | 15.7  | <=23.98 | PASS |
|            | Ant1  | 5230         | 11.59 | <=23.98 | PASS |
|            | Ant2  | 5230         | 13.31 | <=23.98 | PASS |
|            | total | 5230         | 15.5  | <=23.98 | PASS |
|            | Ant1  | 5270         | 11.74 | <=23.98 | PASS |
|            | Ant2  | 5270         | 13.23 | <=23.98 | PASS |
|            | total | 5270         | 15.6  | <=23.98 | PASS |
|            | Ant1  | 5310         | 11.87 | <=23.98 | PASS |
|            | Ant2  | 5310         | 13.50 | <=23.98 | PASS |
|            | total | 5310         | 15.8  | <=23.98 | PASS |
|            | Ant1  | 5510         | 11.41 | <=23.98 | PASS |
|            | Ant2  | 5510         | 12.57 | <=23.98 | PASS |
|            | total | 5510         | 15.0  | <=23.98 | PASS |
|            | Ant1  | 5550         | 11.56 | <=23.98 | PASS |
|            | Ant2  | 5550         | 12.65 | <=23.98 | PASS |
|            | total | 5550         | 15.1  | <=23.98 | PASS |
|            | Ant1  | 5710_UNII-2C | 11.00 | <=23.98 | PASS |
|            | Ant2  | 5710_UNII-2C | 10.59 | <=23.98 | PASS |
|            | total | 5710_UNII-2C | 13.8  | <=23.98 | PASS |
|            | Ant1  | 5710_UNII-3  | -0.34 | <=30    | PASS |
|            | Ant2  | 5710_UNII-3  | -0.72 | <=30    | PASS |
|            | total | 5710_UNII-3  | 2.5   | <=30    | PASS |
|            | Ant1  | 5755         | 11.62 | <=30    | PASS |
|            | Ant2  | 5755         | 13.00 | <=30    | PASS |
|            | total | 5755         | 15.4  | <=30    | PASS |
|            | Ant1  | 5795         | 11.20 | <=30    | PASS |
|            | Ant2  | 5795         | 12.81 | <=30    | PASS |
|            | total | 5795         | 15.1  | <=30    | PASS |
| 11ac80MIMO | Ant1  | 5210         | 10.33 | <=23.98 | PASS |
|            | Ant2  | 5210         | 12.15 | <=23.98 | PASS |
|            | total | 5210         | 14.3  | <=23.98 | PASS |
|            | Ant1  | 5290         | 10.66 | <=23.98 | PASS |
|            | Ant2  | 5290         | 12.04 | <=23.98 | PASS |
|            | total | 5290         | 14.4  | <=23.98 | PASS |
|            | Ant1  | 5530         | 10.41 | <=23.98 | PASS |

|            |       |              |       |         |      |
|------------|-------|--------------|-------|---------|------|
|            | Ant2  | 5530         | 11.54 | <=23.98 | PASS |
|            | total | 5530         | 14.0  | <=23.98 | PASS |
|            | Ant1  | 5610         | 10.18 | <=23.98 | PASS |
|            | Ant2  | 5610         | 12.27 | <=23.98 | PASS |
|            | total | 5610         | 14.4  | <=23.98 | PASS |
|            | Ant1  | 5690_UNII-2C | 10.21 | <=23.98 | PASS |
|            | Ant2  | 5690_UNII-2C | 9.96  | <=23.98 | PASS |
|            | total | 5690_UNII-2C | 13.1  | <=23.98 | PASS |
|            | Ant1  | 5690_UNII-3  | -5.06 | <=30    | PASS |
|            | Ant2  | 5690_UNII-3  | -5.25 | <=30    | PASS |
|            | total | 5690_UNII-3  | -2.1  | <=30    | PASS |
|            | Ant1  | 5775         | 11.14 | <=30    | PASS |
|            | Ant2  | 5775         | 12.81 | <=30    | PASS |
|            | total | 5775         | 15.1  | <=30    | PASS |
| 11ax20MIMO | Ant1  | 5180         | 10.19 | <=23.98 | PASS |
|            | Ant2  | 5180         | 11.94 | <=23.98 | PASS |
|            | total | 5180         | 14.2  | <=23.98 | PASS |
|            | Ant1  | 5200         | 10.30 | <=23.98 | PASS |
|            | Ant2  | 5200         | 11.91 | <=23.98 | PASS |
|            | total | 5200         | 14.2  | <=23.98 | PASS |
|            | Ant1  | 5240         | 10.25 | <=23.98 | PASS |
|            | Ant2  | 5240         | 11.56 | <=23.98 | PASS |
|            | total | 5240         | 13.96 | <=23.98 | PASS |
|            | Ant1  | 5260         | 10.68 | <=23.98 | PASS |
|            | Ant2  | 5260         | 11.79 | <=23.98 | PASS |
|            | total | 5260         | 14.28 | <=23.98 | PASS |
|            | Ant1  | 5280         | 10.26 | <=23.98 | PASS |
|            | Ant2  | 5280         | 11.82 | <=23.98 | PASS |
|            | total | 5280         | 14.1  | <=23.98 | PASS |
|            | Ant1  | 5320         | 10.49 | <=23.98 | PASS |
|            | Ant2  | 5320         | 11.99 | <=23.98 | PASS |
|            | total | 5320         | 14.3  | <=23.98 | PASS |
|            | Ant1  | 5500         | 10.15 | <=23.98 | PASS |
|            | Ant2  | 5500         | 11.20 | <=23.98 | PASS |
|            | total | 5500         | 13.7  | <=23.98 | PASS |
|            | Ant1  | 5600         | 10.01 | <=23.98 | PASS |
|            | Ant2  | 5600         | 12.24 | <=23.98 | PASS |
|            | total | 5600         | 14.3  | <=23.98 | PASS |
|            | Ant1  | 5720_UNII-2C | 8.86  | <=22.89 | PASS |
|            | Ant2  | 5720_UNII-2C | 8.55  | <=22.91 | PASS |
|            | total | 5720_UNII-2C | 11.7  | <=22.91 | PASS |
|            | Ant1  | 5720_UNII-3  | 3.04  | <=30    | PASS |
|            | Ant2  | 5720_UNII-3  | 2.74  | <=30    | PASS |
|            | total | 5720_UNII-3  | 5.9   | <=30    | PASS |

|            |       |              |       |         |      |
|------------|-------|--------------|-------|---------|------|
|            | Ant1  | 5745         | 12.03 | <=30    | PASS |
|            | Ant2  | 5745         | 13.87 | <=30    | PASS |
|            | total | 5745         | 16.1  | <=30    | PASS |
|            | Ant1  | 5785         | 11.82 | <=30    | PASS |
|            | Ant2  | 5785         | 13.49 | <=30    | PASS |
|            | total | 5785         | 15.7  | <=30    | PASS |
|            | Ant1  | 5825         | 11.54 | <=30    | PASS |
|            | Ant2  | 5825         | 13.36 | <=30    | PASS |
|            | total | 5825         | 15.6  | <=30    | PASS |
| 11ax40MIMO | Ant1  | 5190         | 11.85 | <=23.98 | PASS |
|            | Ant2  | 5190         | 13.50 | <=23.98 | PASS |
|            | total | 5190         | 15.8  | <=23.98 | PASS |
|            | Ant1  | 5230         | 11.62 | <=23.98 | PASS |
|            | Ant2  | 5230         | 13.48 | <=23.98 | PASS |
|            | total | 5230         | 15.7  | <=23.98 | PASS |
|            | Ant1  | 5270         | 11.63 | <=23.98 | PASS |
|            | Ant2  | 5270         | 13.21 | <=23.98 | PASS |
|            | total | 5270         | 15.5  | <=23.98 | PASS |
|            | Ant1  | 5310         | 11.83 | <=23.98 | PASS |
|            | Ant2  | 5310         | 13.37 | <=23.98 | PASS |
|            | total | 5310         | 15.7  | <=23.98 | PASS |
|            | Ant1  | 5510         | 11.15 | <=23.98 | PASS |
|            | Ant2  | 5510         | 12.55 | <=23.98 | PASS |
|            | total | 5510         | 14.9  | <=23.98 | PASS |
|            | Ant1  | 5550         | 11.30 | <=23.98 | PASS |
|            | Ant2  | 5550         | 12.63 | <=23.98 | PASS |
|            | total | 5550         | 15.0  | <=23.98 | PASS |
|            | Ant1  | 5710_UNII-2C | 10.68 | <=23.98 | PASS |
|            | Ant2  | 5710_UNII-2C | 10.40 | <=23.98 | PASS |
|            | total | 5710_UNII-2C | 13.6  | <=23.98 | PASS |
|            | Ant1  | 5710_UNII-3  | 0.05  | <=30    | PASS |
|            | Ant2  | 5710_UNII-3  | -0.16 | <=30    | PASS |
|            | total | 5710_UNII-3  | 3.0   | <=30    | PASS |
|            | Ant1  | 5755         | 12.44 | <=30    | PASS |
|            | Ant2  | 5755         | 13.97 | <=30    | PASS |
|            | total | 5755         | 16.3  | <=30    | PASS |
|            | Ant1  | 5795         | 12.00 | <=30    | PASS |
|            | Ant2  | 5795         | 13.79 | <=30    | PASS |
|            | total | 5795         | 16.0  | <=30    | PASS |
| 11ax80MIMO | Ant1  | 5210         | 10.39 | <=23.98 | PASS |
|            | Ant2  | 5210         | 12.18 | <=23.98 | PASS |
|            | total | 5210         | 14.4  | <=23.98 | PASS |
|            | Ant1  | 5290         | 10.62 | <=23.98 | PASS |
|            | Ant2  | 5290         | 12.22 | <=23.98 | PASS |

|  |       |              |       |         |      |
|--|-------|--------------|-------|---------|------|
|  | total | 5290         | 14.5  | <=23.98 | PASS |
|  | Ant1  | 5530         | 10.52 | <=23.98 | PASS |
|  | Ant2  | 5530         | 11.57 | <=23.98 | PASS |
|  | total | 5530         | 14.1  | <=23.98 | PASS |
|  | Ant1  | 5610         | 10.19 | <=23.98 | PASS |
|  | Ant2  | 5610         | 12.38 | <=23.98 | PASS |
|  | total | 5610         | 14.4  | <=23.98 | PASS |
|  | Ant1  | 5690_UNII-2C | 10.08 | <=23.98 | PASS |
|  | Ant2  | 5690_UNII-2C | 9.95  | <=23.98 | PASS |
|  | total | 5690_UNII-2C | 13.0  | <=23.98 | PASS |
|  | Ant1  | 5690_UNII-3  | -4.39 | <=30    | PASS |
|  | Ant2  | 5690_UNII-3  | -4.46 | <=30    | PASS |
|  | total | 5690_UNII-3  | -1.4  | <=30    | PASS |
|  | Ant1  | 5775         | 10.95 | <=30    | PASS |
|  | Ant2  | 5775         | 12.82 | <=30    | PASS |
|  | total | 5775         | 15.0  | <=30    | PASS |

*Note: For cross band power test, used Spectrum Analyzer to test, other's for power meter to test*

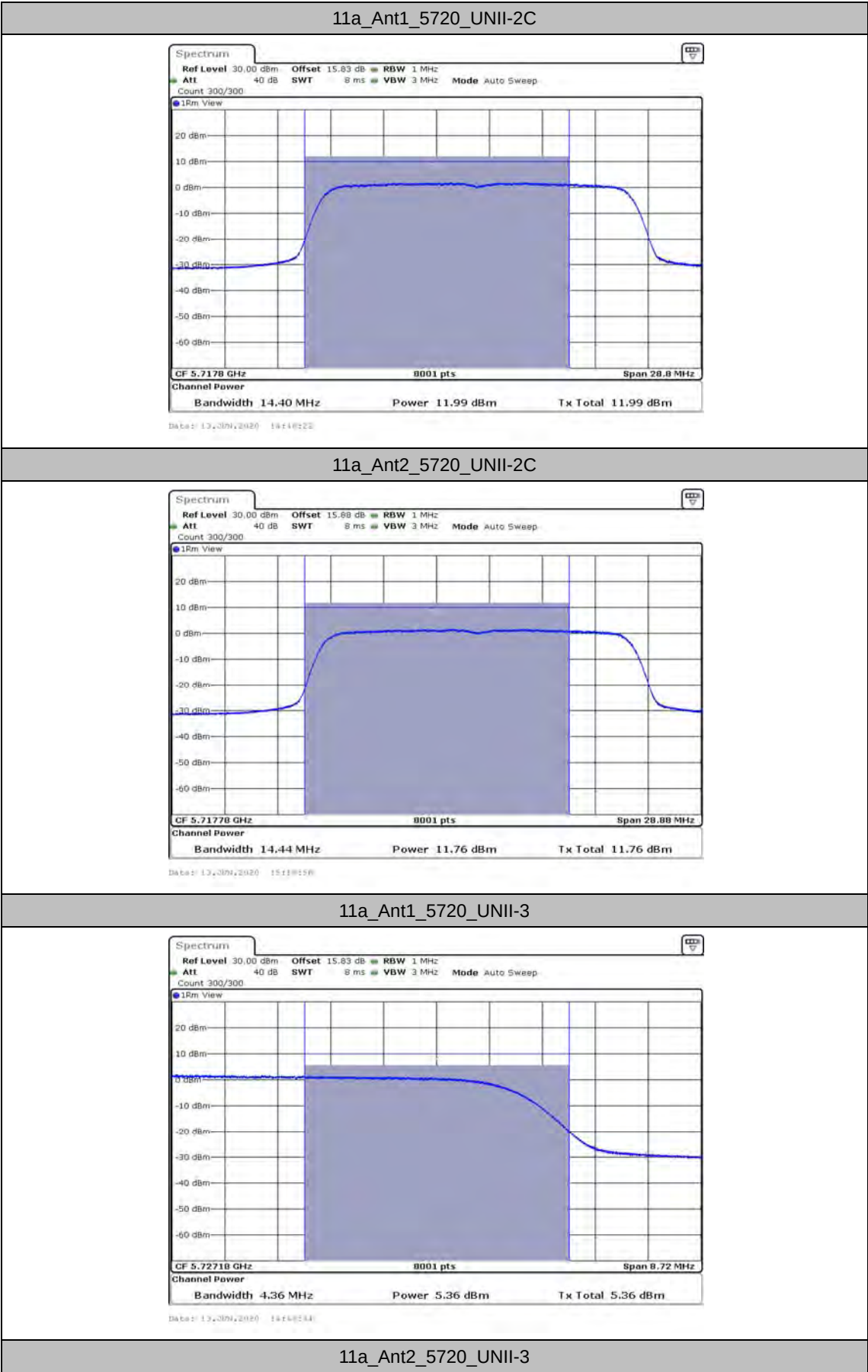
*The maximum antenna gain is 2.0dBi. The device employed cyclic delay diversity (CDD) for Wi-Fi.*

*According to KDB 662911 D01 v02r01, for power measurement on IEEE 802.11 devices:*

*Array Gain = 0 dB (i.e., no array gain) for  $N_{Ant} \leq 4$*

*So Directional gain =  $G_{ANT} + \text{Array Gain} = 2.0\text{dBi} < 6\text{dBi}$*

Test Graphs







11N20MIMO\_Ant1\_5720\_UNII-2C



11N20MIMO\_Ant2\_5720\_UNII-2C



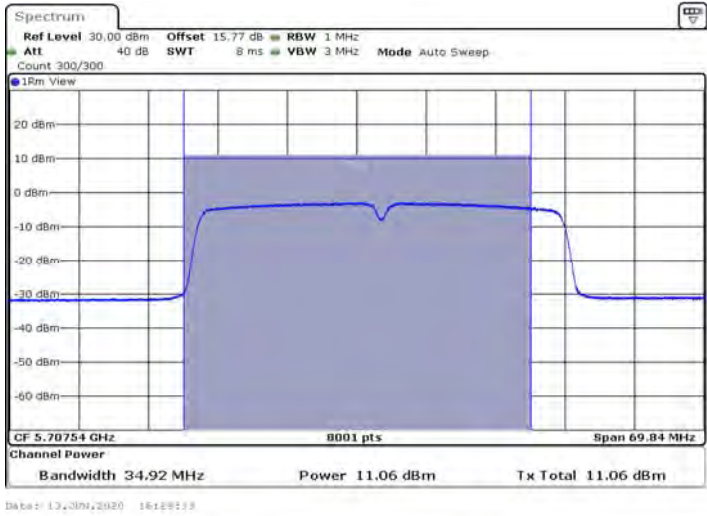
11N20MIMO\_Ant1\_5720\_UNII-3



11N20MIMO\_Ant2\_5720\_UNII-3



11N40MIMO\_Ant1\_5710\_UNII-2C



11N40MIMO\_Ant2\_5710\_UNII-2C



11N40MIMO\_Ant1\_5710\_UNII-3



11N40MIMO\_Ant2\_5710\_UNII-3



11ac20MIMO\_Ant1\_5720\_UNII-2C

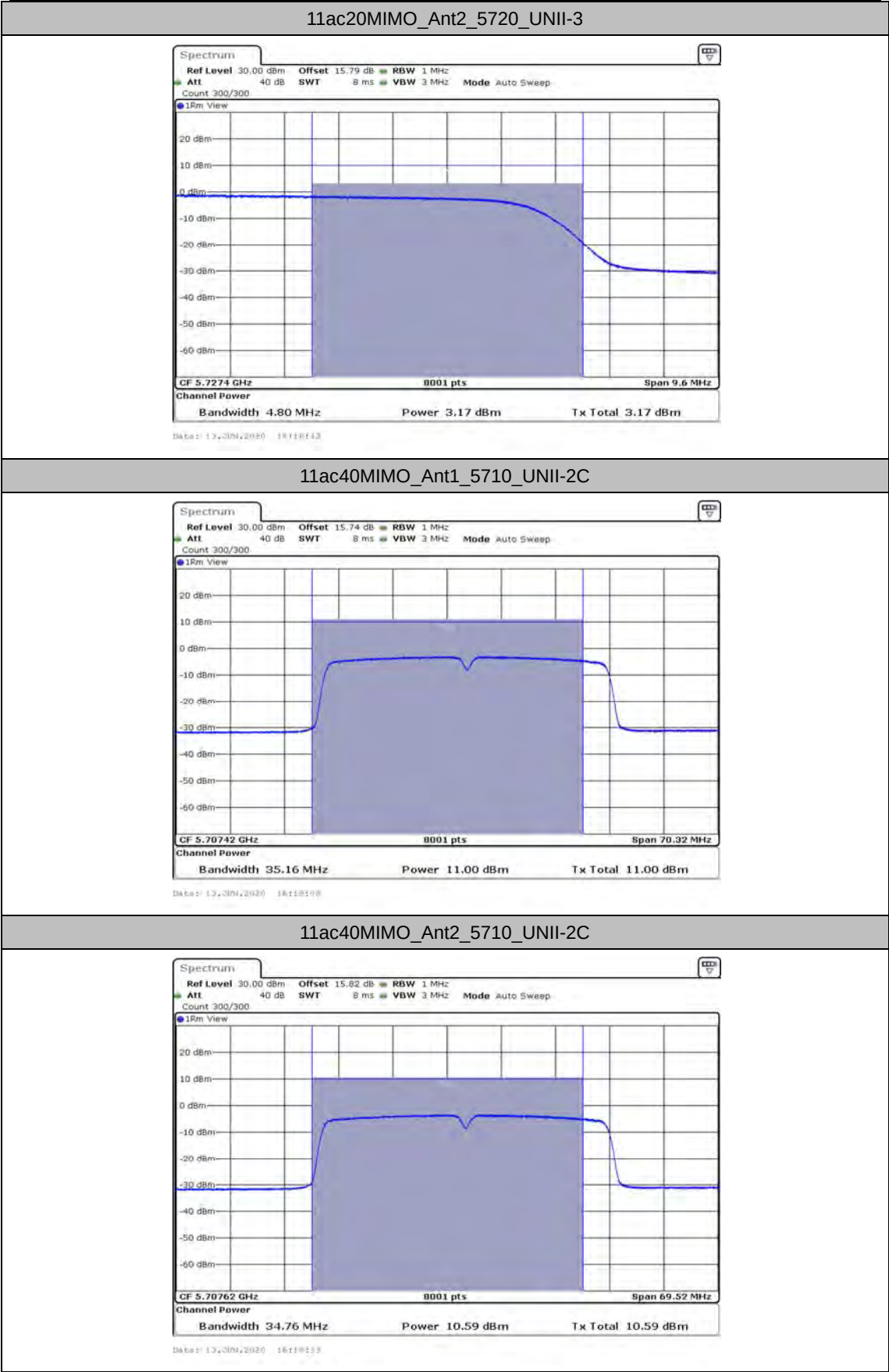


11ac20MIMO\_Ant2\_5720\_UNII-2C



11ac20MIMO\_Ant1\_5720\_UNII-3







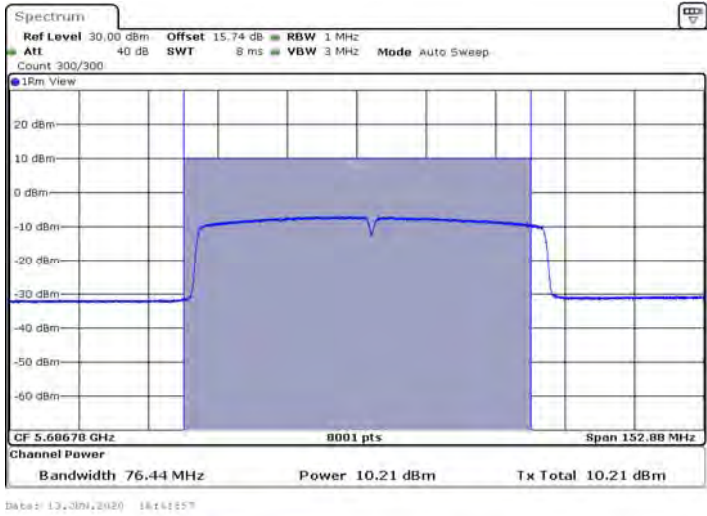
11ac40MIMO\_Ant1\_5710\_UNII-3



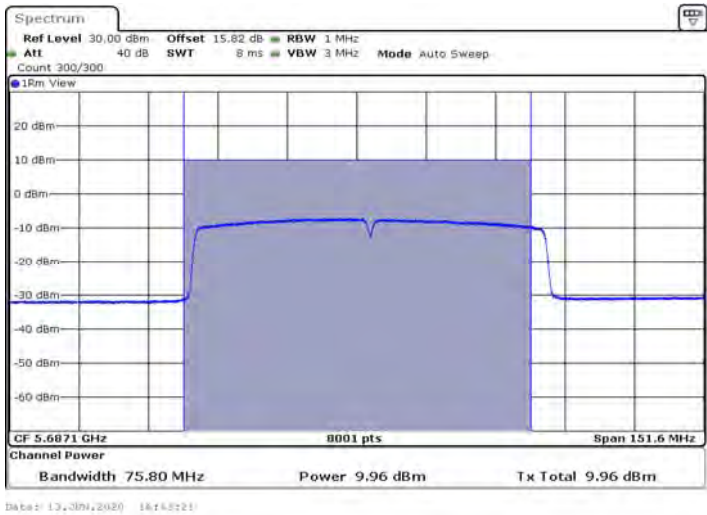
11ac40MIMO\_Ant2\_5710\_UNII-3



11ac80MIMO\_Ant1\_5690\_UNII-2C



11ac80MIMO\_Ant2\_5690\_UNII-2C



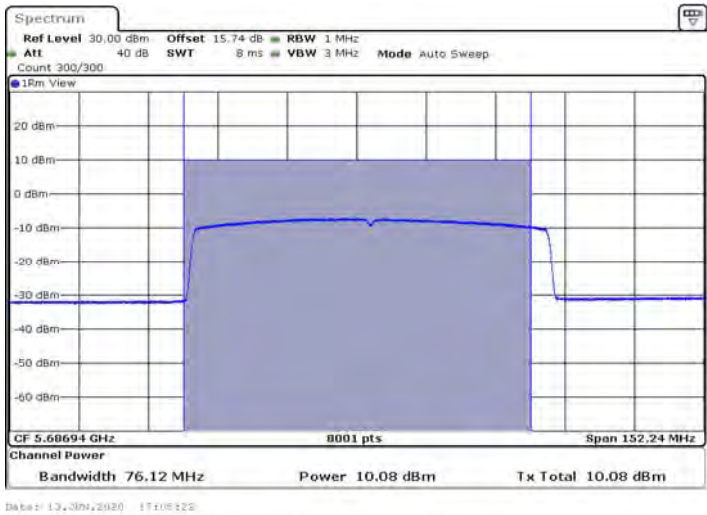
11ac80MIMO\_Ant1\_5690\_UNII-3



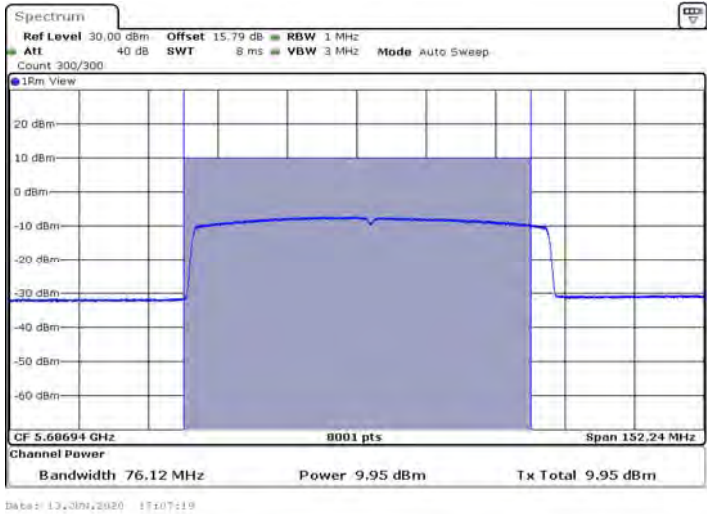
11ac80MIMO\_Ant2\_5690\_UNII-3



11ax80MIMO\_Ant1\_5690\_UNII-2C



11ax80MIMO\_Ant2\_5690\_UNII-2C



11ax80MIMO\_Ant1\_5690\_UNII-3

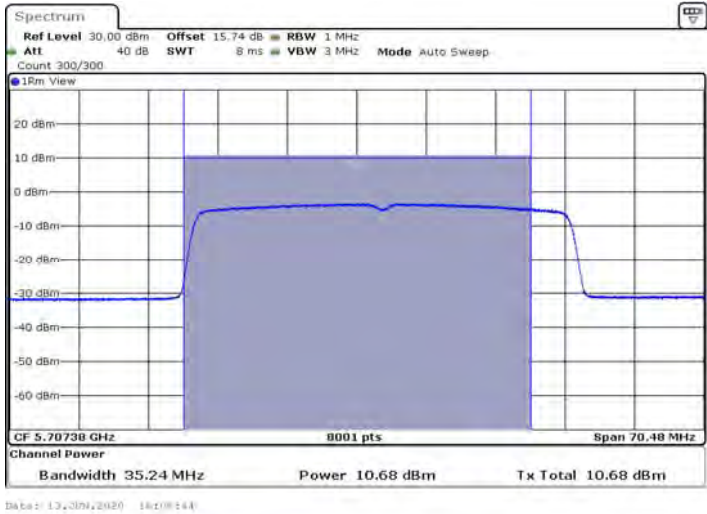




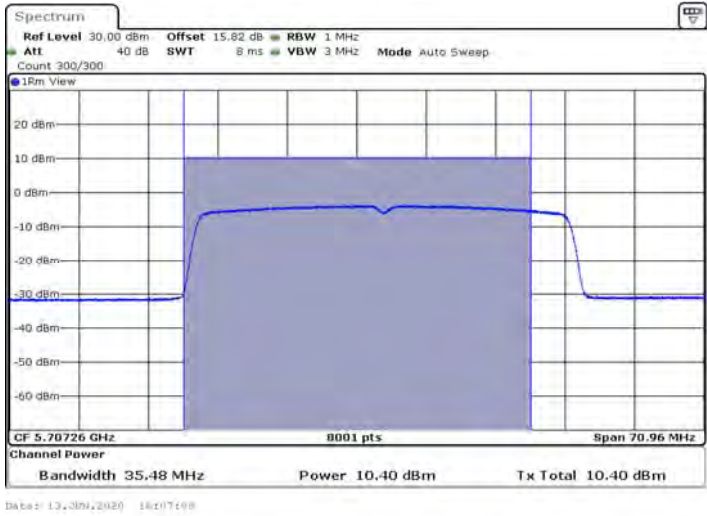
11ax80MIMO\_Ant2\_5690\_UNII-3



11ax40MIMO\_Ant1\_5710\_UNII-2C



11ax40MIMO\_Ant2\_5710\_UNII-2C



11ax40MIMO\_Ant1\_5710\_UNII-3



11ax40MIMO\_Ant2\_5710\_UNII-3



11ax20MIMO\_Ant1\_5720\_UNII-2C



11ax20MIMO\_Ant2\_5720\_UNII-2C



11ax20MIMO\_Ant1\_5720\_UNII-3



11ax20MIMO\_Ant2\_5720\_UNII-3



## AppendixC: Maximum power spectral density

### Test Result

| TestMode  | Antenna | Channel      | Result [dBm/MHz]    | Limit[dBm/MHz]    | Verdict |
|-----------|---------|--------------|---------------------|-------------------|---------|
| 11a       | Ant1    | 5180         | 8.33                | <=11              | PASS    |
|           | Ant2    | 5180         | 8.16                | <=11              | PASS    |
|           | Ant1    | 5200         | 8.29                | <=11              | PASS    |
|           | Ant2    | 5200         | 8.19                | <=11              | PASS    |
|           | Ant1    | 5240         | 7.01                | <=11              | PASS    |
|           | Ant2    | 5240         | 7.93                | <=11              | PASS    |
|           | Ant1    | 5260         | 8.76                | <=11              | PASS    |
|           | Ant2    | 5260         | 7.95                | <=11              | PASS    |
|           | Ant1    | 5280         | 8.58                | <=11              | PASS    |
|           | Ant2    | 5280         | 8.62                | <=11              | PASS    |
|           | Ant1    | 5320         | 8.55                | <=11              | PASS    |
|           | Ant2    | 5320         | 8.31                | <=11              | PASS    |
|           | Ant1    | 5500         | 8.8                 | <=11              | PASS    |
|           | Ant2    | 5500         | 7.83                | <=11              | PASS    |
|           | Ant1    | 5600         | 8.19                | <=11              | PASS    |
|           | Ant2    | 5600         | 8.09                | <=11              | PASS    |
|           | Ant1    | 5720_UNII-2C | 8.36                | <=11              | PASS    |
|           | Ant2    | 5720_UNII-2C | 8.24                | <=11              | PASS    |
|           | Antenna | Channel      | Result [dBm/500kHz] | Limit[dBm/500kHz] | Verdict |
|           | Ant1    | 5720_UNII-3  | 5.8                 | <=30              | PASS    |
|           | Ant2    | 5720_UNII-3  | 4.85                | <=30              | PASS    |
|           | Ant1    | 5745         | 6.22                | <=30              | PASS    |
|           | Ant2    | 5745         | 6.37                | <=30              | PASS    |
|           | Ant1    | 5785         | 5.7                 | <=30              | PASS    |
|           | Ant2    | 5785         | 6.02                | <=30              | PASS    |
|           | Ant1    | 5825         | 6.4                 | <=30              | PASS    |
|           | Ant2    | 5825         | 6.2                 | <=30              | PASS    |
| TestMode  | Antenna | Channel      | Result [dBm/MHz]    | Limit[dBm/MHz]    | Verdict |
| 11N20MIMO | Ant1    | 5180         | 6.65                | <=11              | PASS    |
|           | Ant2    | 5180         | 7.16                | <=11              | PASS    |
|           | total   | 5180         | 9.92                | <=11              | PASS    |
|           | Ant1    | 5200         | 6.24                | <=11              | PASS    |
|           | Ant2    | 5200         | 6.85                | <=11              | PASS    |
|           | total   | 5200         | 9.57                | <=11              | PASS    |
|           | Ant1    | 5240         | 6.49                | <=11              | PASS    |
|           | Ant2    | 5240         | 7.09                | <=11              | PASS    |
|           | total   | 5240         | 9.81                | <=11              | PASS    |
|           | Ant1    | 5260         | 7                   | <=11              | PASS    |

|           |         |              |                        |                   |         |
|-----------|---------|--------------|------------------------|-------------------|---------|
|           | Ant2    | 5260         | 7.27                   | <=11              | PASS    |
|           | total   | 5260         | 10.15                  | <=11              | PASS    |
|           | Ant1    | 5280         | 6.78                   | <=11              | PASS    |
|           | Ant2    | 5280         | 7.21                   | <=11              | PASS    |
|           | total   | 5280         | 10.01                  | <=11              | PASS    |
|           | Ant1    | 5320         | 6.53                   | <=11              | PASS    |
|           | Ant2    | 5320         | 7.76                   | <=11              | PASS    |
|           | total   | 5320         | 10.20                  | <=11              | PASS    |
|           | Ant1    | 5500         | 6.64                   | <=11              | PASS    |
|           | Ant2    | 5500         | 7.28                   | <=11              | PASS    |
|           | total   | 5500         | 9.98                   | <=11              | PASS    |
|           | Ant1    | 5600         | 5.97                   | <=11              | PASS    |
|           | Ant2    | 5600         | 8.19                   | <=11              | PASS    |
|           | total   | 5600         | 10.23                  | <=11              | PASS    |
|           | Ant1    | 5720_UNII-2C | 7.01                   | <=11              | PASS    |
|           | Ant2    | 5720_UNII-2C | 8.07                   | <=11              | PASS    |
|           | total   | 5720_UNII-2C | 10.58                  | <=11              | PASS    |
|           | Antenna | Channel      | Result<br>[dBm/500kHz] | Limit[dBm/500kHz] | Verdict |
|           | Ant1    | 5720_UNII-3  | 4.01                   | <=30              | PASS    |
|           | Ant2    | 5720_UNII-3  | 4.71                   | <=30              | PASS    |
|           | total   | 5720_UNII-3  | 7.38                   | <=30              | PASS    |
|           | Ant1    | 5745         | 6.07                   | <=30              | PASS    |
|           | Ant2    | 5745         | 7.31                   | <=30              | PASS    |
|           | total   | 5745         | 9.74                   | <=30              | PASS    |
|           | Ant1    | 5785         | 6.45                   | <=30              | PASS    |
|           | Ant2    | 5785         | 6.46                   | <=30              | PASS    |
|           | total   | 5785         | 9.47                   | <=30              | PASS    |
|           | Ant1    | 5825         | 6.39                   | <=30              | PASS    |
|           | Ant2    | 5825         | 6.84                   | <=30              | PASS    |
|           | total   | 5825         | 9.63                   | <=30              | PASS    |
| TestMode  | Antenna | Channel      | Result [dBm/MHz]       | Limit[dBm/MHz]    | Verdict |
| 11N40MIMO | Ant1    | 5190         | 4.19                   | <=11              | PASS    |
|           | Ant2    | 5190         | 5.19                   | <=11              | PASS    |
|           | total   | 5190         | 7.73                   | <=11              | PASS    |
|           | Ant1    | 5230         | 4.34                   | <=11              | PASS    |
|           | Ant2    | 5230         | 5.25                   | <=11              | PASS    |
|           | total   | 5230         | 7.83                   | <=11              | PASS    |
|           | Ant1    | 5270         | 4.22                   | <=11              | PASS    |
|           | Ant2    | 5270         | 5.72                   | <=11              | PASS    |
|           | total   | 5270         | 8.04                   | <=11              | PASS    |
|           | Ant1    | 5310         | 4.47                   | <=11              | PASS    |
|           | Ant2    | 5310         | 5.4                    | <=11              | PASS    |
|           | total   | 5310         | 7.97                   | <=11              | PASS    |

|            |         |              |                     |                   |         |
|------------|---------|--------------|---------------------|-------------------|---------|
|            | Ant1    | 5510         | 3.07                | <=11              | PASS    |
|            | Ant2    | 5510         | 3.89                | <=11              | PASS    |
|            | total   | 5510         | 6.51                | <=11              | PASS    |
|            | Ant1    | 5550         | 3.15                | <=11              | PASS    |
|            | Ant2    | 5550         | 3.61                | <=11              | PASS    |
|            | total   | 5550         | 6.40                | <=11              | PASS    |
|            | Ant1    | 5710_UNII-2C | 3.44                | <=11              | PASS    |
|            | Ant2    | 5710_UNII-2C | 4.71                | <=11              | PASS    |
|            | total   | 5710_UNII-2C | 7.13                | <=11              | PASS    |
|            | Antenna | Channel      | Result [dBm/500kHz] | Limit[dBm/500kHz] | Verdict |
|            | Ant1    | 5710_UNII-3  | 0.2                 | <=30              | PASS    |
|            | Ant2    | 5710_UNII-3  | 0.74                | <=30              | PASS    |
|            | total   | 5710_UNII-3  | 3.49                | <=30              | PASS    |
|            | Ant1    | 5755         | 2.4                 | <=30              | PASS    |
|            | Ant2    | 5755         | 3.22                | <=30              | PASS    |
|            | total   | 5755         | 5.84                | <=30              | PASS    |
|            | Ant1    | 5795         | 1.88                | <=30              | PASS    |
|            | Ant2    | 5795         | 2.71                | <=30              | PASS    |
|            | total   | 5795         | 5.33                | <=30              | PASS    |
| TestMode   | Antenna | Channel      | Result [dBm/MHz]    | Limit[dBm/MHz]    | Verdict |
| 11ac20MIMO | Ant1    | 5180         | 6.59                | <=11              | PASS    |
|            | Ant2    | 5180         | 8.24                | <=11              | PASS    |
|            | total   | 5180         | 10.50               | <=11              | PASS    |
|            | Ant1    | 5200         | 6.39                | <=11              | PASS    |
|            | Ant2    | 5200         | 7.74                | <=11              | PASS    |
|            | total   | 5200         | 10.13               | <=11              | PASS    |
|            | Ant1    | 5240         | 6.56                | <=11              | PASS    |
|            | Ant2    | 5240         | 8                   | <=11              | PASS    |
|            | total   | 5240         | 10.35               | <=11              | PASS    |
|            | Ant1    | 5260         | 6.8                 | <=11              | PASS    |
|            | Ant2    | 5260         | 7.25                | <=11              | PASS    |
|            | total   | 5260         | 10.04               | <=11              | PASS    |
|            | Ant1    | 5280         | 6.74                | <=11              | PASS    |
|            | Ant2    | 5280         | 7.86                | <=11              | PASS    |
|            | total   | 5280         | 10.35               | <=11              | PASS    |
|            | Ant1    | 5320         | 6.94                | <=11              | PASS    |
|            | Ant2    | 5320         | 8.15                | <=11              | PASS    |
|            | total   | 5320         | 10.60               | <=11              | PASS    |
|            | Ant1    | 5500         | 7.01                | <=11              | PASS    |
|            | Ant2    | 5500         | 7.19                | <=11              | PASS    |
|            | total   | 5500         | 10.11               | <=11              | PASS    |
|            | Ant1    | 5600         | 5.96                | <=11              | PASS    |
|            | Ant2    | 5600         | 7.92                | <=11              | PASS    |



|            |         |              |                     |                   |         |
|------------|---------|--------------|---------------------|-------------------|---------|
|            | total   | 5600         | 10.06               | <=11              | PASS    |
|            | Ant1    | 5720_UNII-2C | 6.4                 | <=11              | PASS    |
|            | Ant2    | 5720_UNII-2C | 8.1                 | <=11              | PASS    |
|            | total   | 5720_UNII-2C | 10.34               | <=11              | PASS    |
|            | Antenna | Channel      | Result [dBm/500kHz] | Limit[dBm/500kHz] | Verdict |
|            | Ant1    | 5720_UNII-3  | 3.01                | <=30              | PASS    |
|            | Ant2    | 5720_UNII-3  | 4.52                | <=30              | PASS    |
|            | total   | 5720_UNII-3  | 6.84                | <=30              | PASS    |
|            | Ant1    | 5745         | 6                   | <=30              | PASS    |
|            | Ant2    | 5745         | 7.26                | <=30              | PASS    |
|            | total   | 5745         | 9.69                | <=30              | PASS    |
|            | Ant1    | 5785         | 5.64                | <=30              | PASS    |
|            | Ant2    | 5785         | 7.1                 | <=30              | PASS    |
|            | total   | 5785         | 9.44                | <=30              | PASS    |
|            | Ant1    | 5825         | 5.86                | <=30              | PASS    |
|            | Ant2    | 5825         | 7.43                | <=30              | PASS    |
|            | total   | 5825         | 9.73                | <=30              | PASS    |
| TestMode   | Antenna | Channel      | Result [dBm/MHz]    | Limit[dBm/MHz]    | Verdict |
| 11ac40MIMO | Ant1    | 5190         | 3.68                | <=11              | PASS    |
|            | Ant2    | 5190         | 4.19                | <=11              | PASS    |
|            | total   | 5190         | 6.95                | <=11              | PASS    |
|            | Ant1    | 5230         | 3.35                | <=11              | PASS    |
|            | Ant2    | 5230         | 4.74                | <=11              | PASS    |
|            | total   | 5230         | 7.11                | <=11              | PASS    |
|            | Ant1    | 5270         | 3.77                | <=11              | PASS    |
|            | Ant2    | 5270         | 4.93                | <=11              | PASS    |
|            | total   | 5270         | 7.40                | <=11              | PASS    |
|            | Ant1    | 5310         | 3.93                | <=11              | PASS    |
|            | Ant2    | 5310         | 4.34                | <=11              | PASS    |
|            | total   | 5310         | 7.15                | <=11              | PASS    |
|            | Ant1    | 5510         | 3.56                | <=11              | PASS    |
|            | Ant2    | 5510         | 4.56                | <=11              | PASS    |
|            | total   | 5510         | 7.10                | <=11              | PASS    |
|            | Ant1    | 5550         | 3.28                | <=11              | PASS    |
|            | Ant2    | 5550         | 3.76                | <=11              | PASS    |
|            | total   | 5550         | 6.54                | <=11              | PASS    |
|            | Ant1    | 5710_UNII-2C | 3.66                | <=11              | PASS    |
|            | Ant2    | 5710_UNII-2C | 4.99                | <=11              | PASS    |
|            | total   | 5710_UNII-2C | 7.39                | <=11              | PASS    |
|            | Antenna | Channel      | Result [dBm/500kHz] | Limit[dBm/500kHz] | Verdict |
|            | Ant1    | 5710_UNII-3  | 0.07                | <=30              | PASS    |
|            | Ant2    | 5710_UNII-3  | 1.46                | <=30              | PASS    |

|            |         |              |                     |                   |         |
|------------|---------|--------------|---------------------|-------------------|---------|
|            | total   | 5710_UNII-3  | 3.83                | <=30              | PASS    |
|            | Ant1    | 5755         | 2.17                | <=30              | PASS    |
|            | Ant2    | 5755         | 1.79                | <=30              | PASS    |
|            | total   | 5755         | 4.99                | <=30              | PASS    |
|            | Ant1    | 5795         | 1.03                | <=30              | PASS    |
|            | Ant2    | 5795         | 1.31                | <=30              | PASS    |
|            | total   | 5795         | 4.18                | <=30              | PASS    |
| TestMode   | Antenna | Channel      | Result [dBm/MHz]    | Limit[dBm/MHz]    | Verdict |
| 11ac80MIMO | Ant1    | 5210         | -1.31               | <=11              | PASS    |
|            | Ant2    | 5210         | -0.57               | <=11              | PASS    |
|            | total   | 5210         | 2.09                | <=11              | PASS    |
|            | Ant1    | 5290         | -0.46               | <=11              | PASS    |
|            | Ant2    | 5290         | 0.17                | <=11              | PASS    |
|            | total   | 5290         | 2.88                | <=11              | PASS    |
|            | Ant1    | 5530         | -0.77               | <=11              | PASS    |
|            | Ant2    | 5530         | 0.82                | <=11              | PASS    |
|            | total   | 5530         | 3.11                | <=11              | PASS    |
|            | Ant1    | 5610         | -0.98               | <=11              | PASS    |
|            | Ant2    | 5610         | -0.01               | <=11              | PASS    |
|            | total   | 5610         | 2.54                | <=11              | PASS    |
|            | Ant1    | 5690_UNII-2C | -0.82               | <=11              | PASS    |
|            | Ant2    | 5690_UNII-2C | 0.29                | <=11              | PASS    |
|            | total   | 5690_UNII-2C | 2.78                | <=11              | PASS    |
|            | Antenna | Channel      | Result [dBm/500kHz] | Limit[dBm/500kHz] | Verdict |
|            | Ant1    | 5690_UNII-3  | -5.59               | <=30              | PASS    |
|            | Ant2    | 5690_UNII-3  | -3.57               | <=30              | PASS    |
|            | total   | 5690_UNII-3  | -1.45               | <=30              | PASS    |
|            | Ant1    | 5775         | -1.29               | <=30              | PASS    |
|            | Ant2    | 5775         | -1.98               | <=30              | PASS    |
|            | total   | 5775         | 1.39                | <=30              | PASS    |
| TestMode   | Antenna | Channel      | Result [dBm/MHz]    | Limit[dBm/MHz]    | Verdict |
| 11ax20MIMO | Ant1    | 5180         | 6.85                | <=11              | PASS    |
|            | Ant2    | 5180         | 6.9                 | <=11              | PASS    |
|            | total   | 5180         | 9.89                | <=11              | PASS    |
| 11ax40MIMO | Ant1    | 5190         | 4.81                | <=11              | PASS    |
|            | Ant2    | 5190         | 4.65                | <=11              | PASS    |
|            | total   | 5190         | 7.74                | <=11              | PASS    |
| 11ax20MIMO | Ant1    | 5200         | 7.39                | <=11              | PASS    |
|            | Ant2    | 5200         | 6.37                | <=11              | PASS    |
|            | total   | 5200         | 9.92                | <=11              | PASS    |
| 11ax80MIMO | Ant1    | 5210         | -1.13               | <=11              | PASS    |
|            | Ant2    | 5210         | 0.93                | <=11              | PASS    |
|            | total   | 5210         | 3.92                | <=11              | PASS    |

|            |       |              |       |      |      |
|------------|-------|--------------|-------|------|------|
| 11ax40MIMO | Ant1  | 5230         | 4.68  | <=11 | PASS |
|            | Ant2  | 5230         | 4.46  | <=11 | PASS |
|            | total | 5230         | 7.58  | <=11 | PASS |
| 11ax20MIMO | Ant1  | 5240         | 7.28  | <=11 | PASS |
|            | Ant2  | 5240         | 6.27  | <=11 | PASS |
|            | total | 5240         | 9.81  | <=11 | PASS |
|            | Ant1  | 5260         | 7.08  | <=11 | PASS |
|            | Ant2  | 5260         | 6.53  | <=11 | PASS |
|            | total | 5260         | 9.82  | <=11 | PASS |
| 11ax40MIMO | Ant1  | 5270         | 6.26  | <=11 | PASS |
|            | Ant2  | 5270         | 5.2   | <=11 | PASS |
|            | total | 5270         | 8.77  | <=11 | PASS |
| 11ax20MIMO | Ant1  | 5280         | 7.35  | <=11 | PASS |
|            | Ant2  | 5280         | 7.04  | <=11 | PASS |
|            | total | 5280         | 10.21 | <=11 | PASS |
| 11ax80MIMO | Ant1  | 5290         | 1.49  | <=11 | PASS |
|            | Ant2  | 5290         | 1.39  | <=11 | PASS |
|            | total | 5290         | 4.45  | <=11 | PASS |
| 11ax40MIMO | Ant1  | 5310         | 6.19  | <=11 | PASS |
|            | Ant2  | 5310         | 5.87  | <=11 | PASS |
|            | total | 5310         | 9.04  | <=11 | PASS |
| 11ax20MIMO | Ant1  | 5320         | 7.34  | <=11 | PASS |
|            | Ant2  | 5320         | 6.41  | <=11 | PASS |
|            | total | 5320         | 9.91  | <=11 | PASS |
|            | Ant1  | 5500         | 6.98  | <=11 | PASS |
|            | Ant2  | 5500         | 6.71  | <=11 | PASS |
|            | total | 5500         | 9.86  | <=11 | PASS |
| 11ax40MIMO | Ant1  | 5510         | 5.69  | <=11 | PASS |
|            | Ant2  | 5510         | 4.15  | <=11 | PASS |
|            | total | 5510         | 8.00  | <=11 | PASS |
| 11ax80MIMO | Ant1  | 5530         | 1.52  | <=11 | PASS |
|            | Ant2  | 5530         | 0.14  | <=11 | PASS |
|            | total | 5530         | 3.89  | <=11 | PASS |
| 11ax40MIMO | Ant1  | 5550         | 4.95  | <=11 | PASS |
|            | Ant2  | 5550         | 4.68  | <=11 | PASS |
|            | total | 5550         | 7.83  | <=11 | PASS |
| 11ax20MIMO | Ant1  | 5600         | 7.14  | <=11 | PASS |
|            | Ant2  | 5600         | 6.85  | <=11 | PASS |
|            | total | 5600         | 10.01 | <=11 | PASS |
| 11ax80MIMO | Ant1  | 5610         | 1.09  | <=11 | PASS |
|            | Ant2  | 5610         | 1.49  | <=11 | PASS |
|            | total | 5610         | 4.30  | <=11 | PASS |
|            | Ant1  | 5690_UNII-2C | 1.55  | <=11 | PASS |
|            | Ant2  | 5690_UNII-2C | 1.94  | <=11 | PASS |

|            |         |              |                     |                   |         |
|------------|---------|--------------|---------------------|-------------------|---------|
|            | total   | 5690_UNII-2C | 4.76                | <=11              | PASS    |
|            | Antenna | Channel      | Result [dBm/500kHz] | Limit[dBm/500kHz] | Verdict |
|            | Ant1    | 5690_UNII-3  | -3.29               | <=30              | PASS    |
|            | Ant2    | 5690_UNII-3  | -3.59               | <=30              | PASS    |
|            | total   | 5690_UNII-3  | -0.43               | <=30              | PASS    |
| TestMode   | Antenna | Channel      | Result [dBm/MHz]    | Limit[dBm/MHz]    | Verdict |
| 11ax40MIMO | Ant1    | 5710_UNII-2C | 5.53                | <=11              | PASS    |
|            | Ant2    | 5710_UNII-2C | 5.79                | <=11              | PASS    |
|            | total   | 5710_UNII-2C | 8.67                | <=11              | PASS    |
|            | Antenna | Channel      | Result [dBm/500kHz] | Limit[dBm/500kHz] | Verdict |
|            | Ant1    | 5710_UNII-3  | 1.12                | <=30              | PASS    |
|            | Ant2    | 5710_UNII-3  | 1.29                | <=30              | PASS    |
|            | total   | 5710_UNII-3  | 4.22                | <=30              | PASS    |
| TestMode   | Antenna | Channel      | Result [dBm/MHz]    | Limit[dBm/MHz]    | Verdict |
| 11ax20MIMO | Ant1    | 5720_UNII-2C | 7.41                | <=11              | PASS    |
|            | Ant2    | 5720_UNII-2C | 7.32                | <=11              | PASS    |
|            | total   | 5720_UNII-2C | 10.38               | <=11              | PASS    |
|            | Antenna | Channel      | Result [dBm/500kHz] | Limit[dBm/500kHz] | Verdict |
|            | Ant1    | 5720_UNII-3  | 4.86                | <=30              | PASS    |
|            | Ant2    | 5720_UNII-3  | 3.94                | <=30              | PASS    |
|            | total   | 5720_UNII-3  | 7.43                | <=30              | PASS    |
|            | Ant1    | 5745         | 6.3                 | <=30              | PASS    |
|            | Ant2    | 5745         | 5.83                | <=30              | PASS    |
|            | total   | 5745         | 9.08                | <=30              | PASS    |
| 11ax40MIMO | Ant1    | 5755         | 3.45                | <=30              | PASS    |
|            | Ant2    | 5755         | 3.57                | <=30              | PASS    |
|            | total   | 5755         | 6.52                | <=30              | PASS    |
| 11ax80MIMO | Ant1    | 5775         | -1.75               | <=30              | PASS    |
|            | Ant2    | 5775         | -1.11               | <=30              | PASS    |
|            | total   | 5775         | 1.59                | <=30              | PASS    |
| 11ax20MIMO | Ant1    | 5785         | 5.82                | <=30              | PASS    |
|            | Ant2    | 5785         | 5.79                | <=30              | PASS    |
|            | total   | 5785         | 8.82                | <=30              | PASS    |
| 11ax40MIMO | Ant1    | 5795         | 3.47                | <=30              | PASS    |
|            | Ant2    | 5795         | 3.34                | <=30              | PASS    |
|            | total   | 5795         | 6.42                | <=30              | PASS    |
| 11ax20MIMO | Ant1    | 5825         | 6.05                | <=30              | PASS    |
|            | Ant2    | 5825         | 5.5                 | <=30              | PASS    |
|            | total   | 5825         | 8.79                | <=30              | PASS    |

Note: 1.The result and limit unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2. The maximum antenna gain is 2.0dBi. The device employed cyclic delay diversity (CDD) for Wi-Fi.

According to KDB 662911 D01 v02r01, for power spectral density (PSD):

$$\text{Array Gain} = 10 \lg(N_{\text{ANT}}/N_{\text{SS}}) \text{ dB} = 10 \lg(2/1) = 3$$

So Directional gain = Gain + Array Gain = 5dBi < 6dBi

Test Graphs

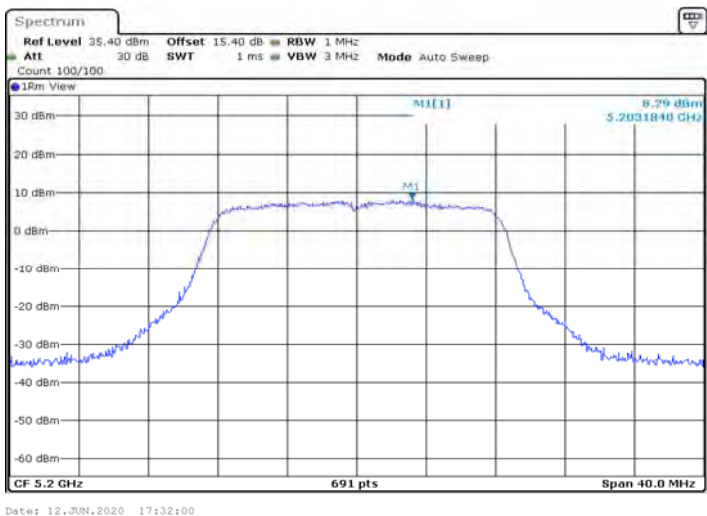
11a\_Ant1\_5180



11a\_Ant2\_5180

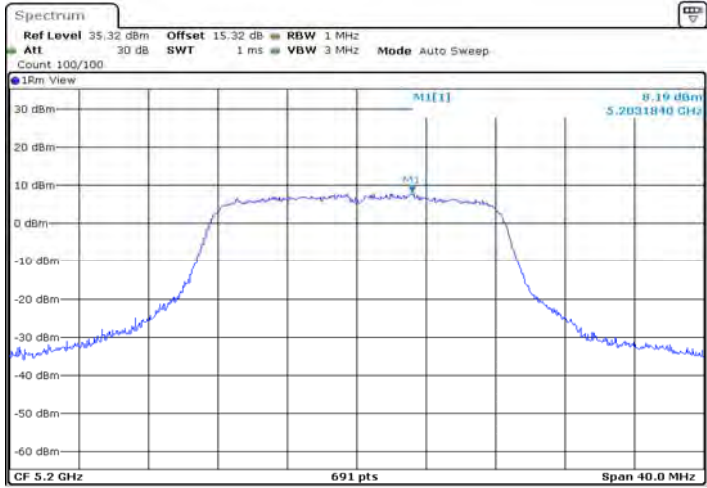


11a\_Ant1\_5200

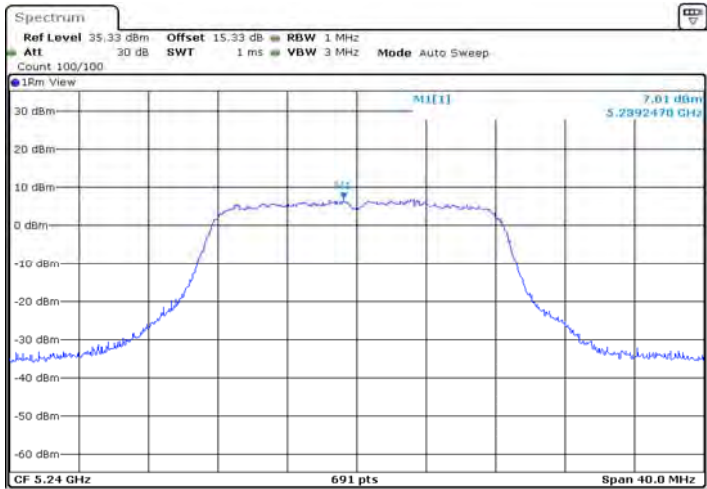


11a\_Ant2\_5200

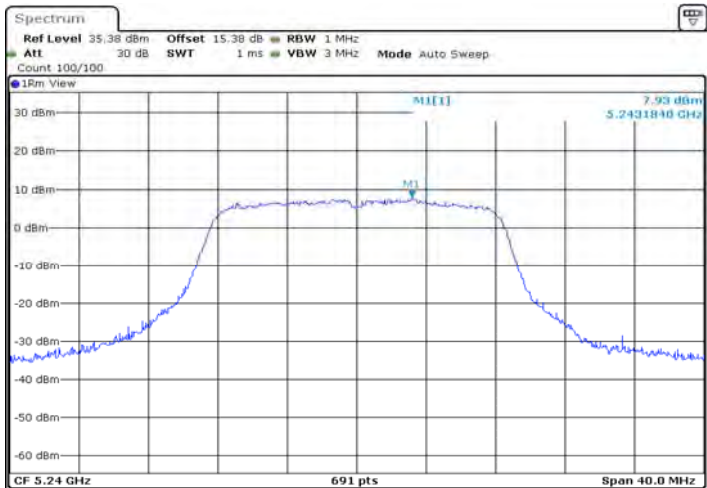




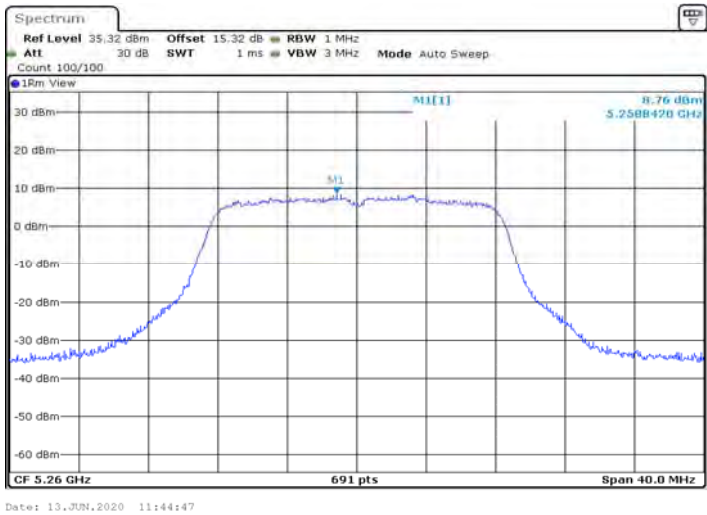
11A\_Ant1\_5240



11a\_Ant2\_5240



11a\_Ant1\_5260



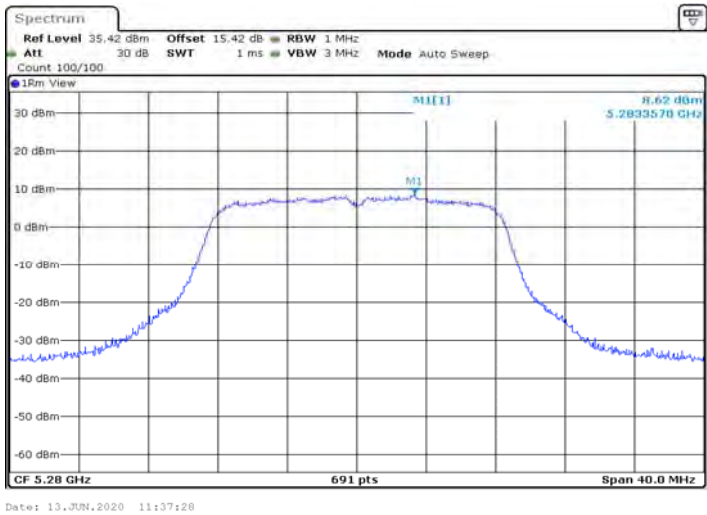
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11a\_Ant1\_5280



11a\_Ant2\_5280



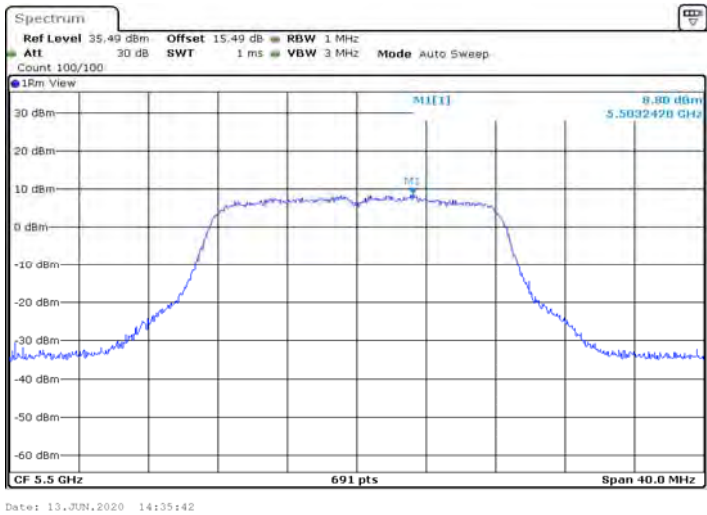
11a\_Ant1\_5320



11a\_Ant2\_5320



11a\_Ant1\_5500



11a\_Ant2\_5500



11a\_Ant1\_5600



11a\_Ant2\_5600



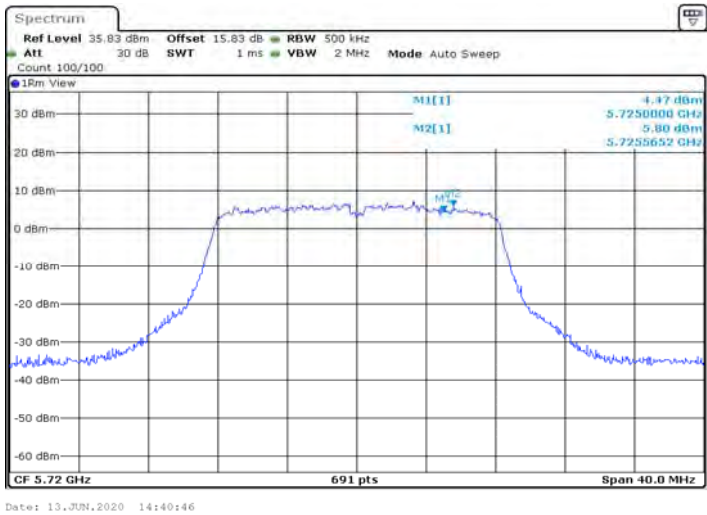
11a\_Ant1\_5720\_UNII-2C



11a\_Ant2\_5720\_UNII-2C



11a\_Ant1\_5720\_UNII-3



11a\_Ant2\_5720\_UNII-3



11a\_Ant1\_5745



11a\_Ant2\_5745



11a\_Ant1\_5785

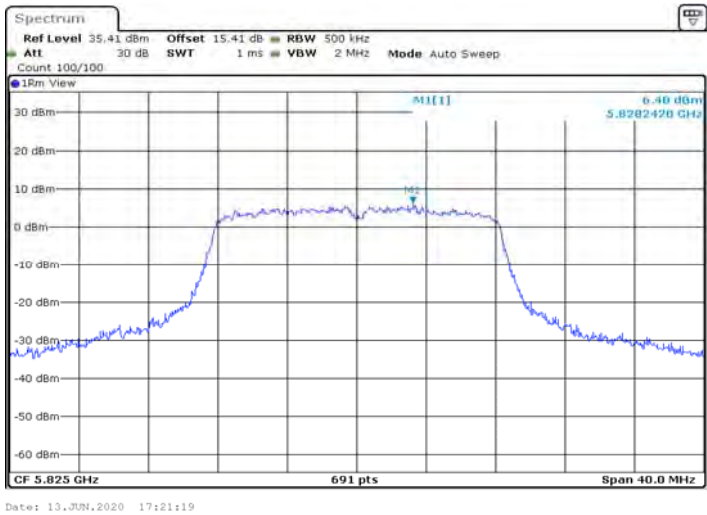


11a\_Ant2\_5785





11a\_Ant1\_5825



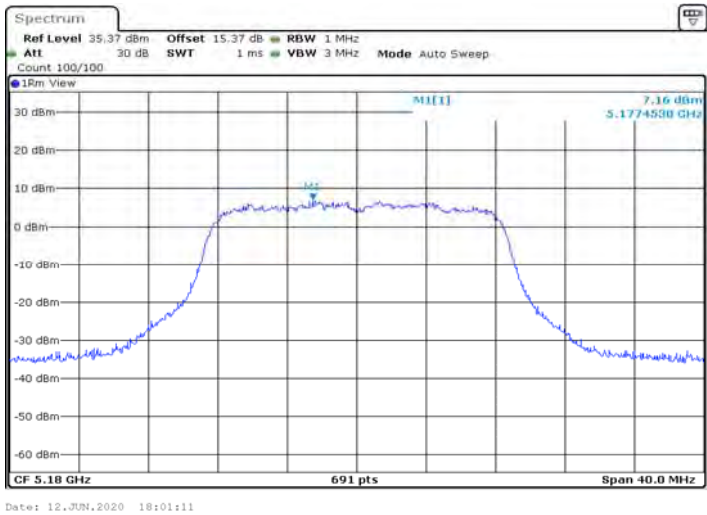
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11N20MIMO\_Ant1\_5180



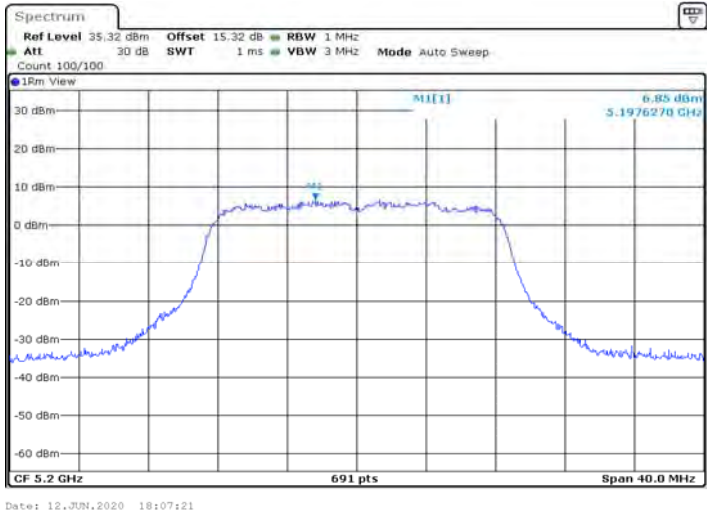
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11N20MIMO\_Ant1\_5200



11N20MIMO\_Ant2\_5200



|                     |
|---------------------|
| 11N20MIMO Ant1 5240 |
|---------------------|



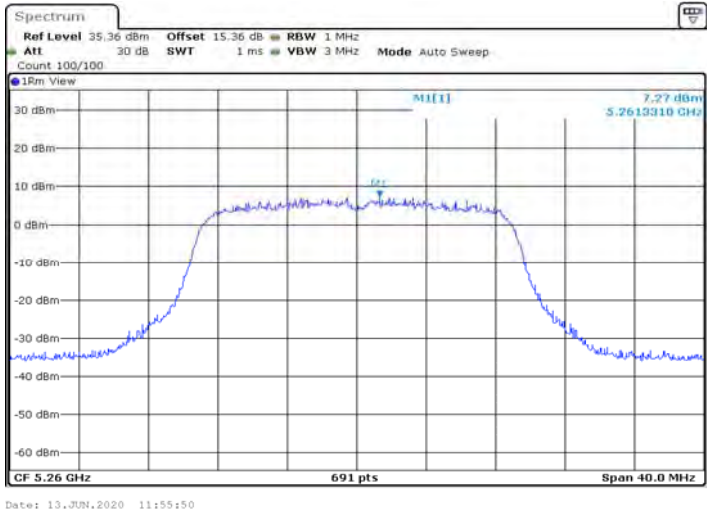
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## 11N20MIMO\_Ant1\_5260



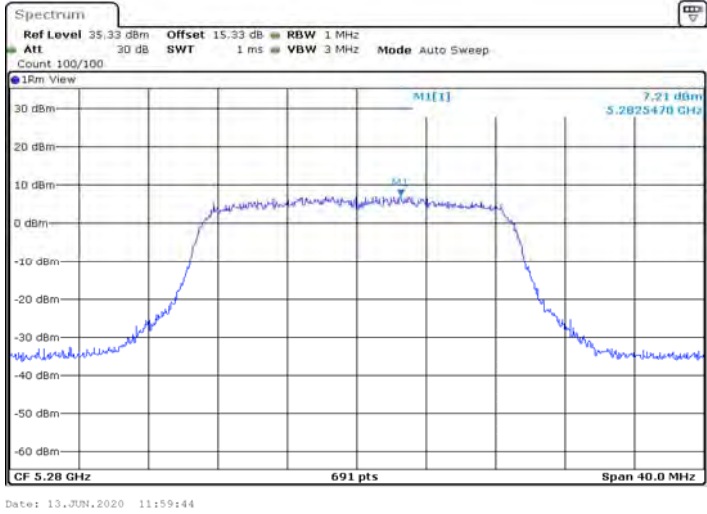
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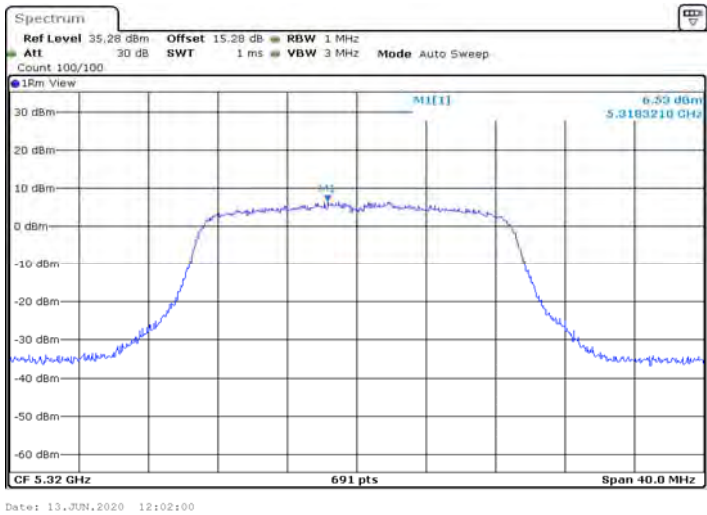
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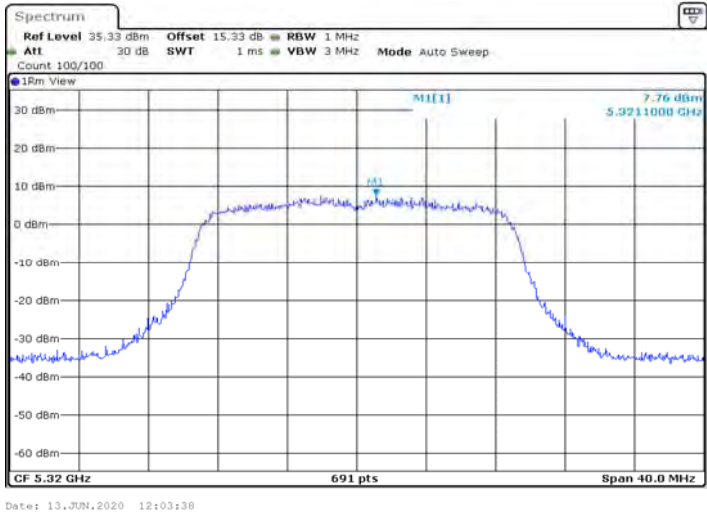
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11N20MIMO\_Ant1\_5320



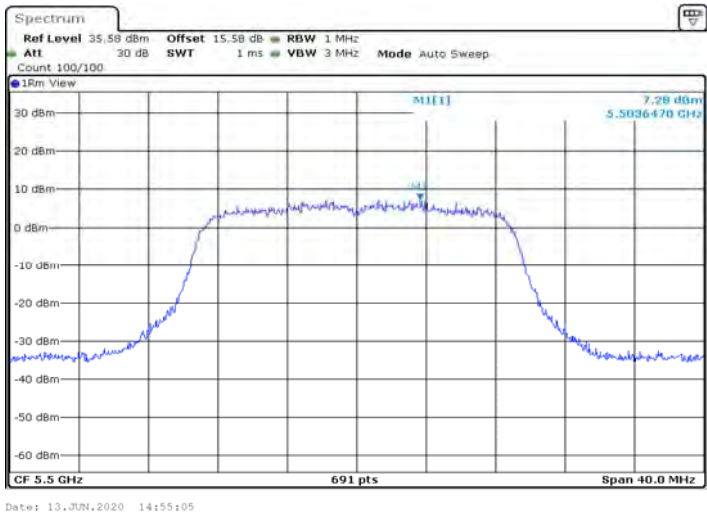
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11N20MIMO\_Ant1\_5500



11N20MIMO\_Ant2\_5500



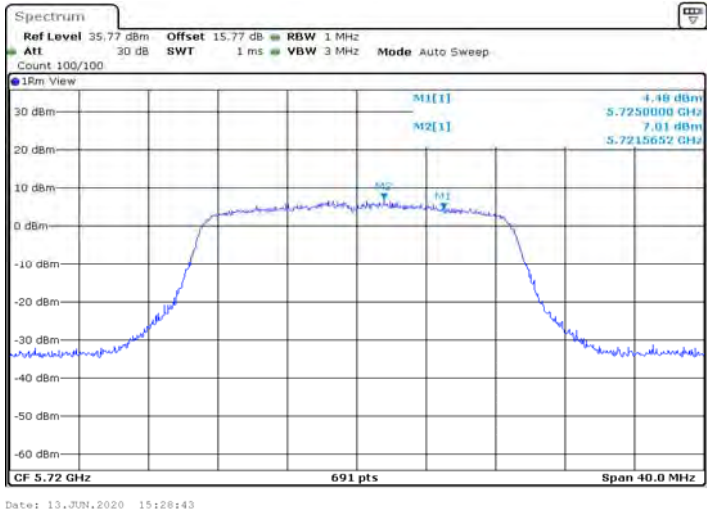
11N20MIMO\_Ant1\_5600



11N20MIMO\_Ant2\_5600



11N20MIMO\_Ant1\_5720\_UNII-2C



11N20MIMO\_Ant2\_5720\_UNII-2C

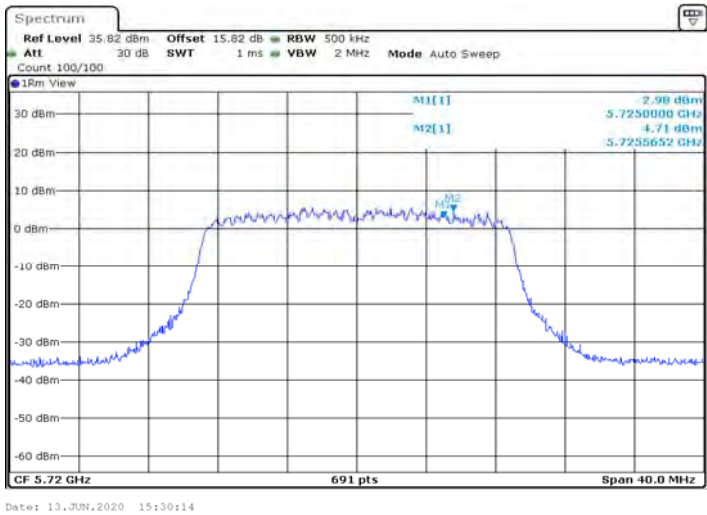


11N20MIMO\_Ant1\_5720\_UNII-3





11N20MIMO\_Ant2\_5720\_UNII-3



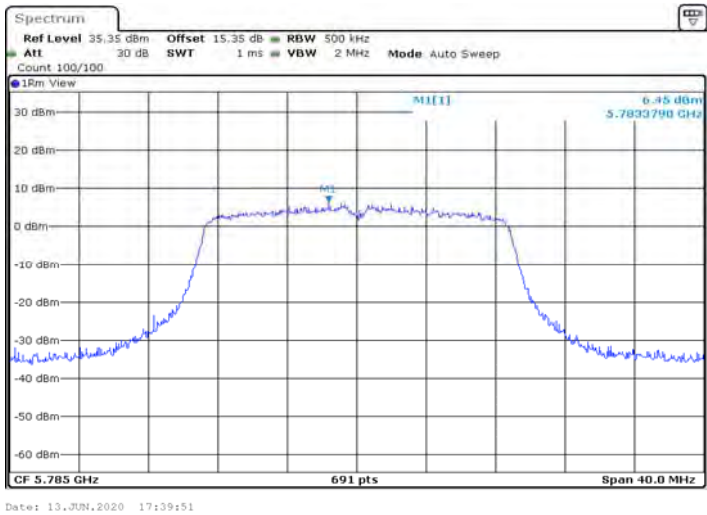
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11N20MIMO\_Ant2\_5745



11N20MIMO\_Ant1\_5785



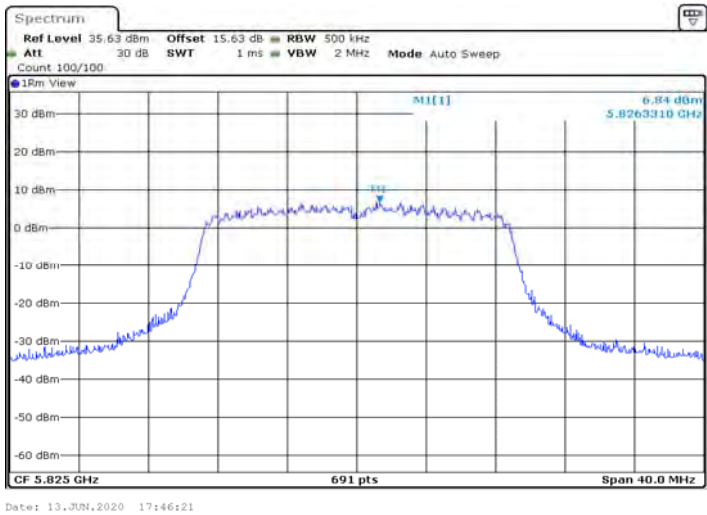
11N20MIMO\_Ant2\_5785



11N20MIMO\_Ant1\_5825



11N20MIMO\_Ant2\_5825



11N40MIMO\_Ant1\_5190



11N40MIMO\_Ant2\_5190



11N40MIMO\_Ant1\_5230



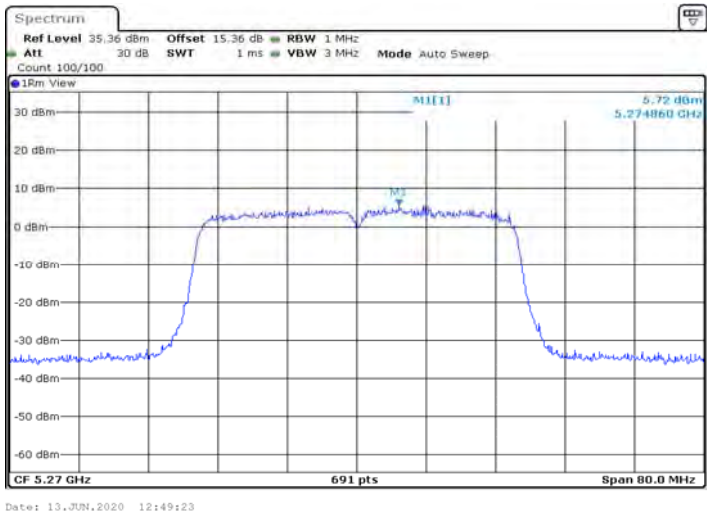
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11N40MIMO\_Ant1\_5270



11N40MIMO\_Ant2\_5270



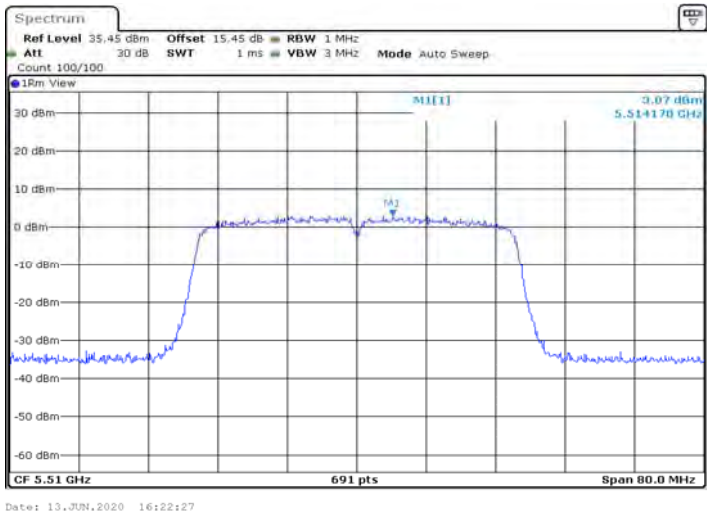
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11N40MIMO\_Ant2\_5310



11N40MIMO\_Ant1\_5510



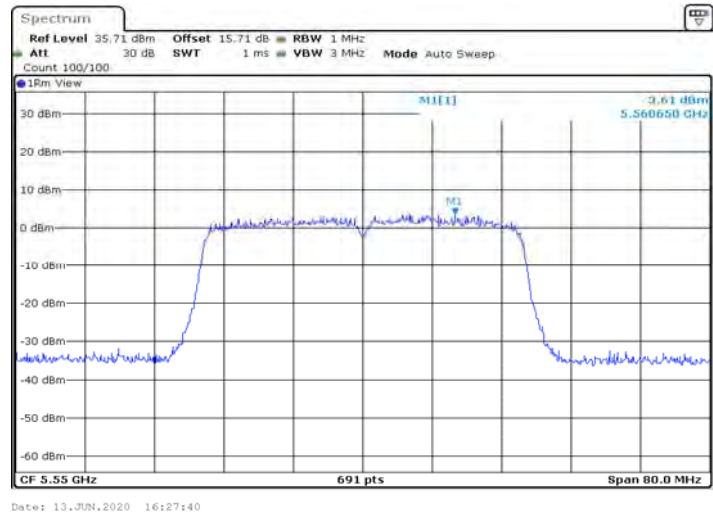
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11N40MIMO\_Ant1\_5550



11N40MIMO\_Ant2\_5550



11N40MIMO\_Ant1\_5710\_UNII-2C



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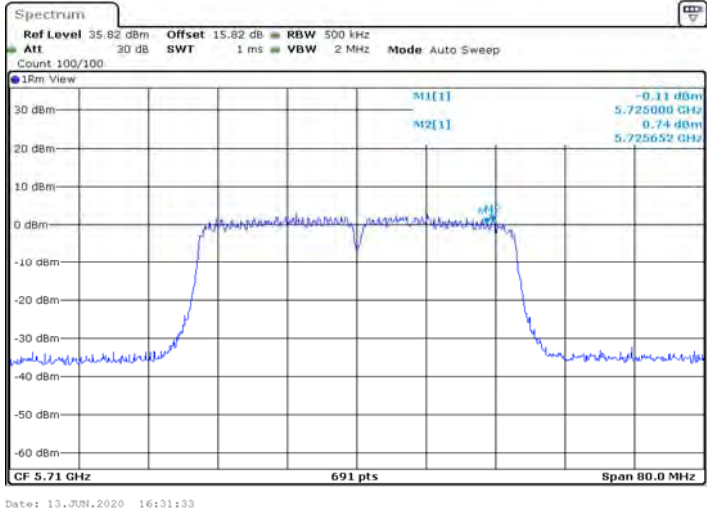




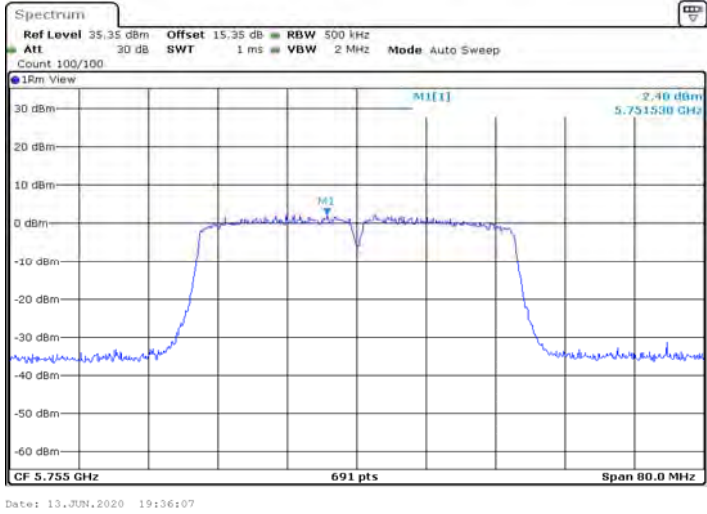
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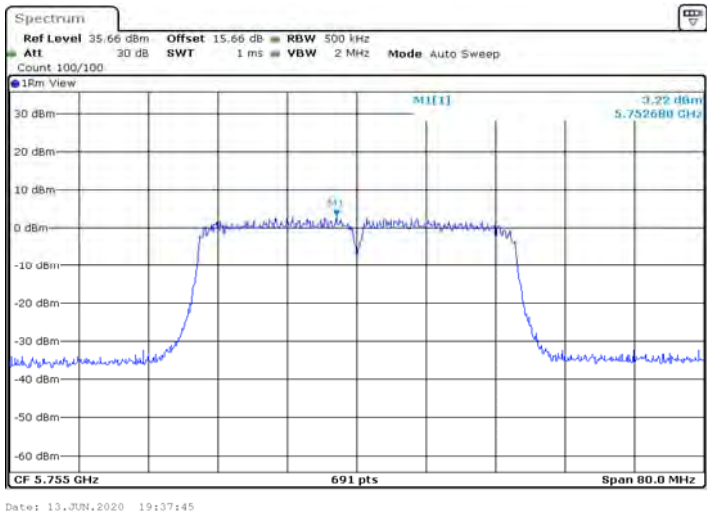
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11N40MIMO\_Ant1\_5755



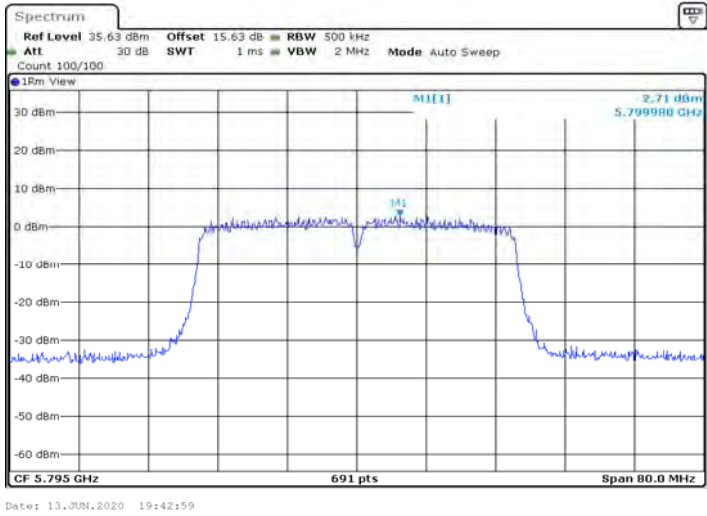
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11N40MIMO\_Ant1\_5795



11N40MIMO\_Ant2\_5795



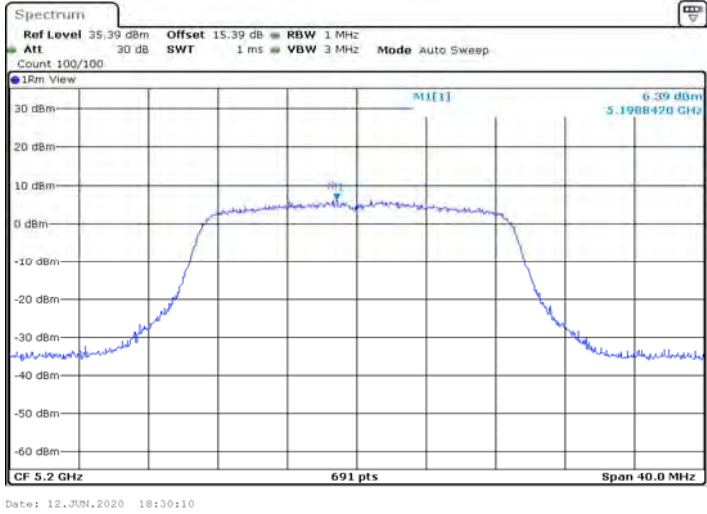
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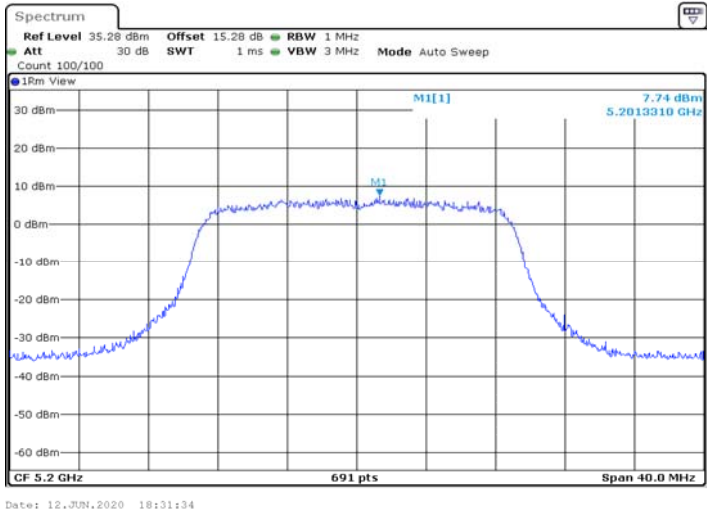
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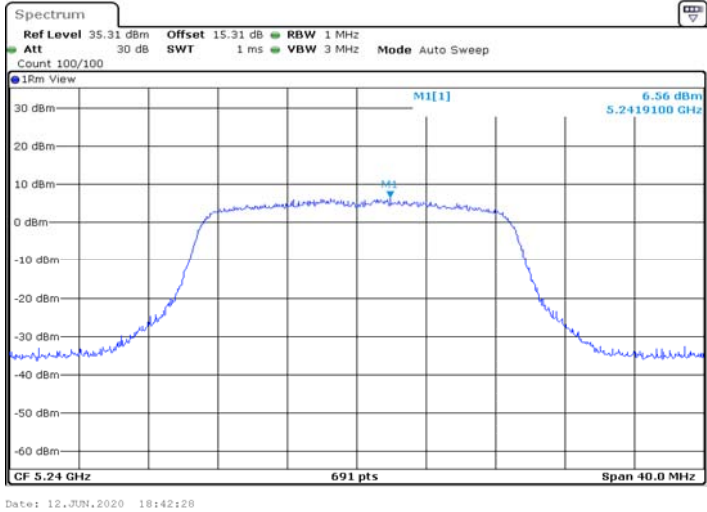
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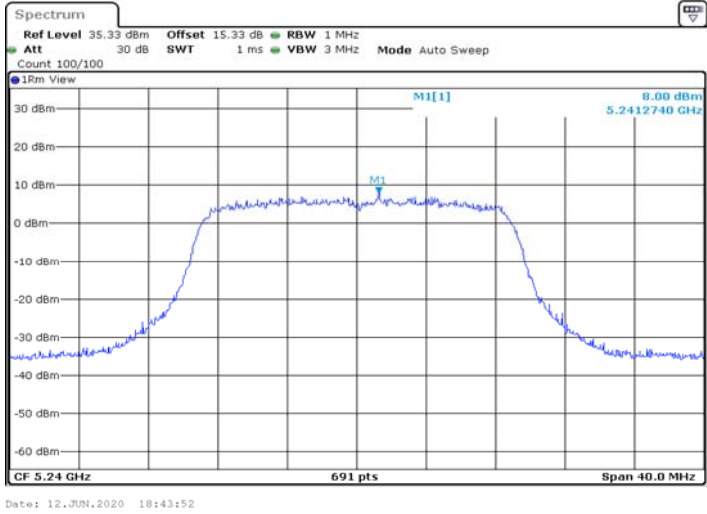
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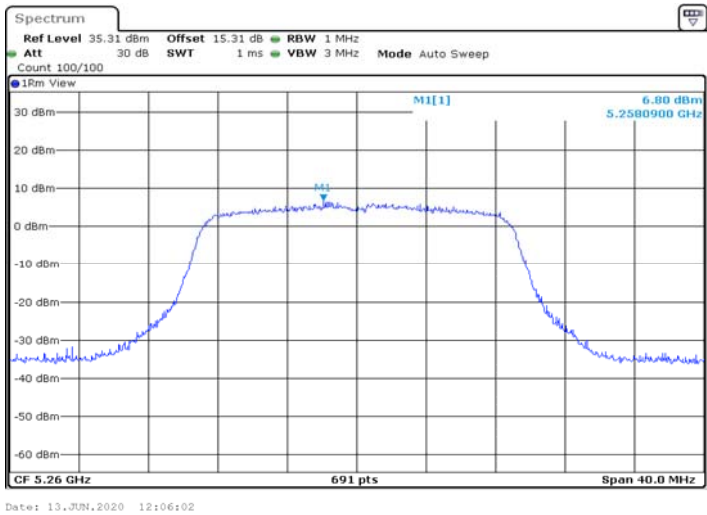
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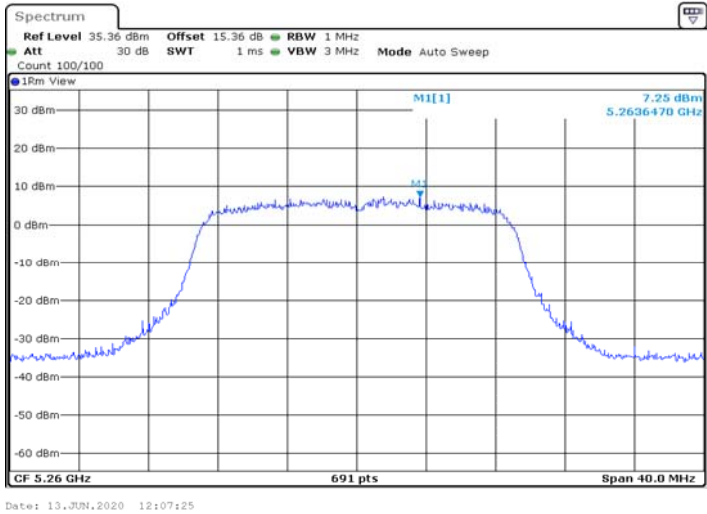
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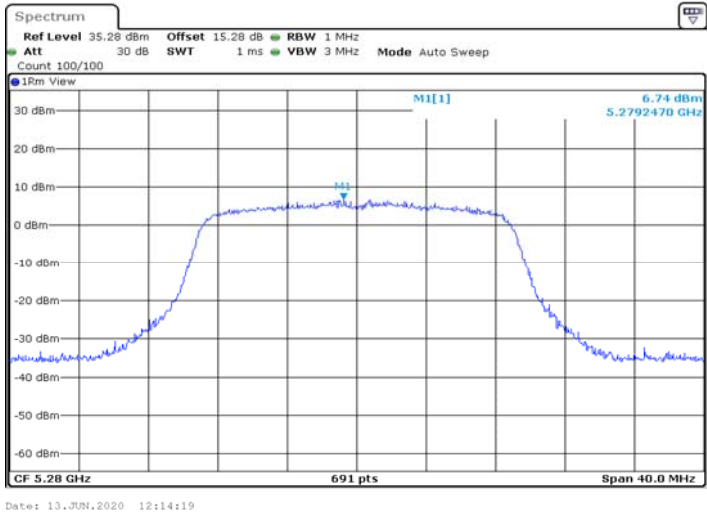
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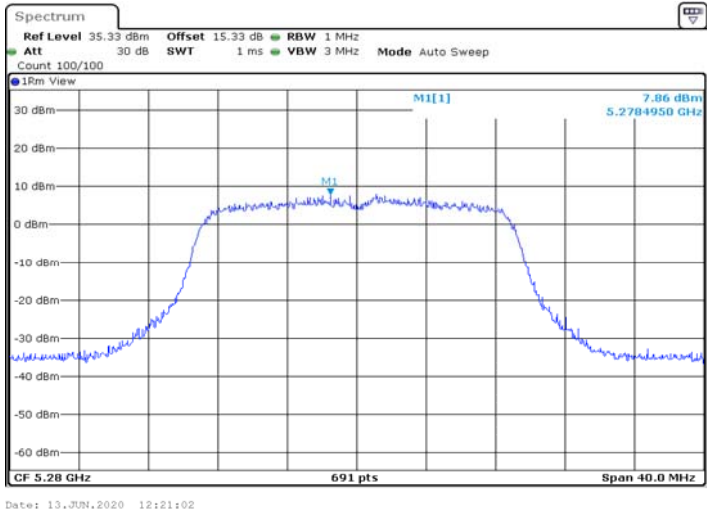
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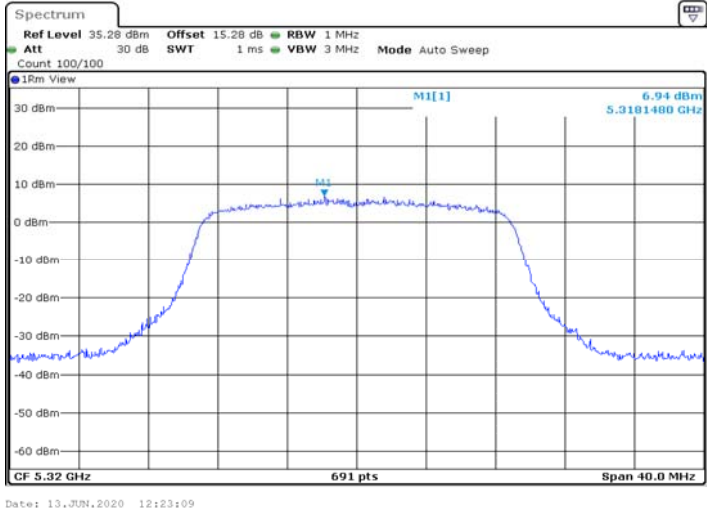
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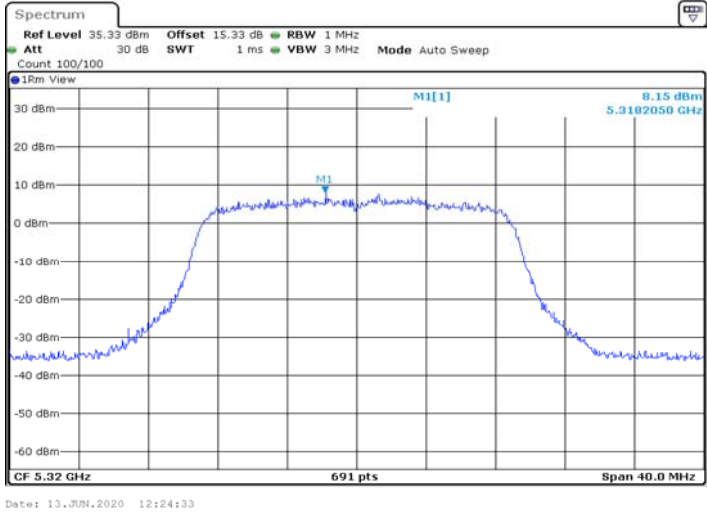
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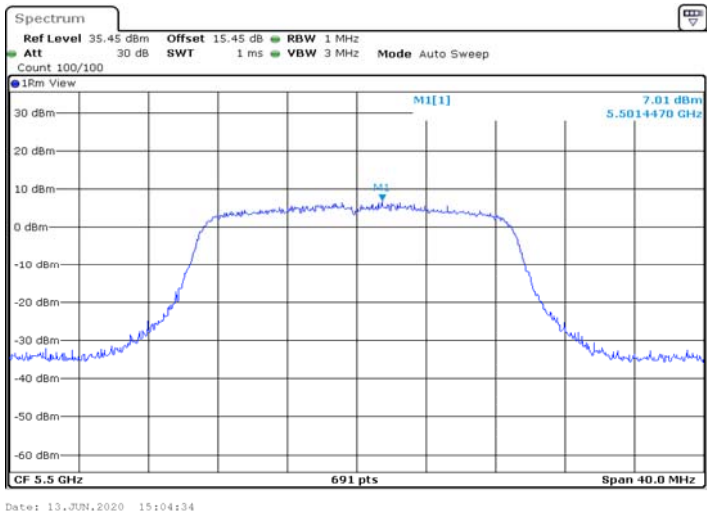
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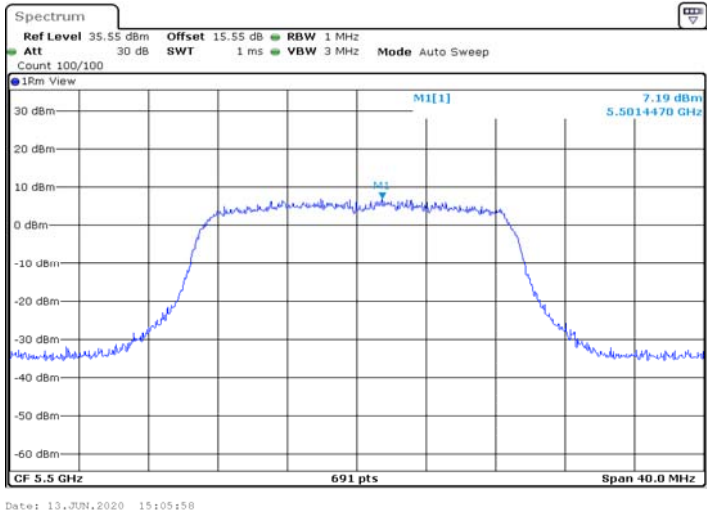
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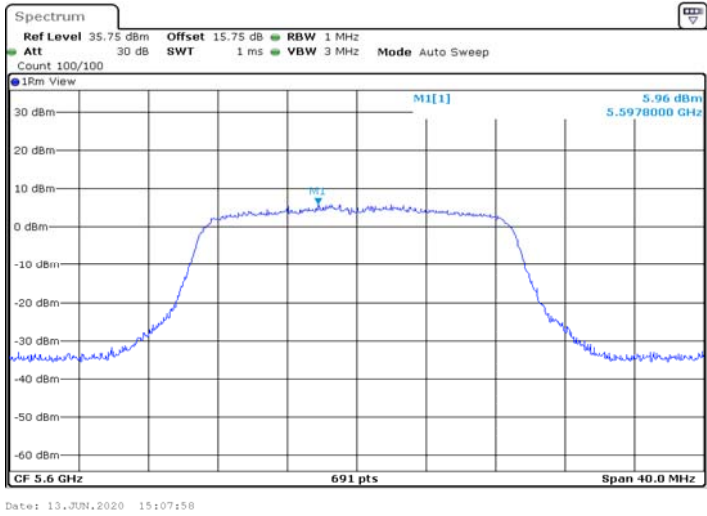
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11ac20MIMO\_Ant2\_5500

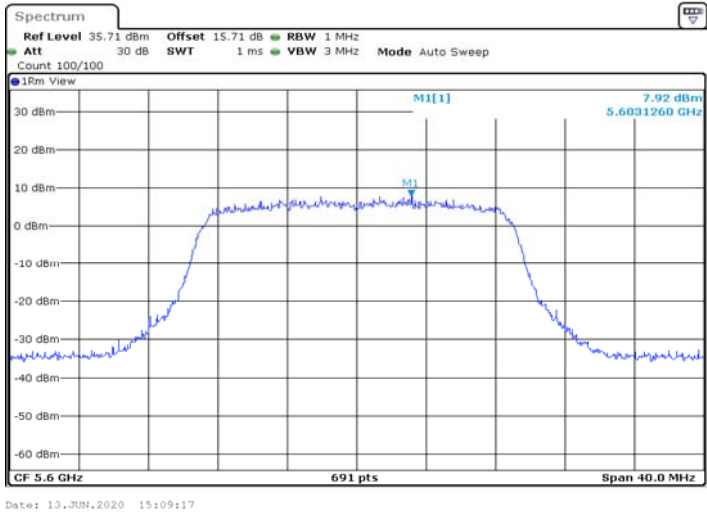


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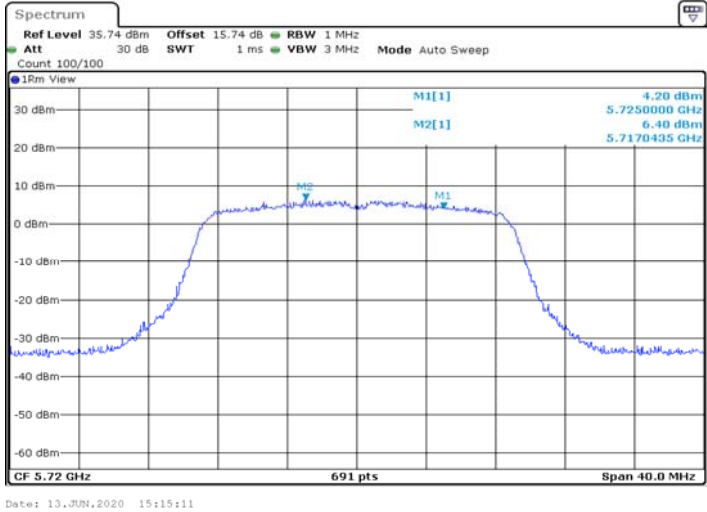




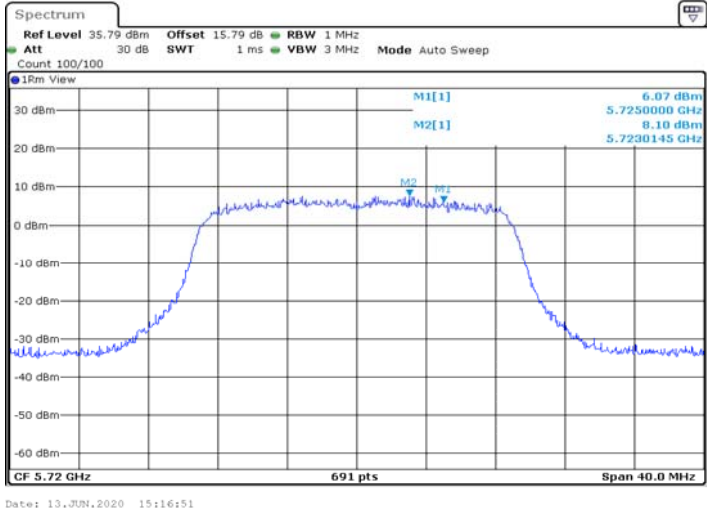
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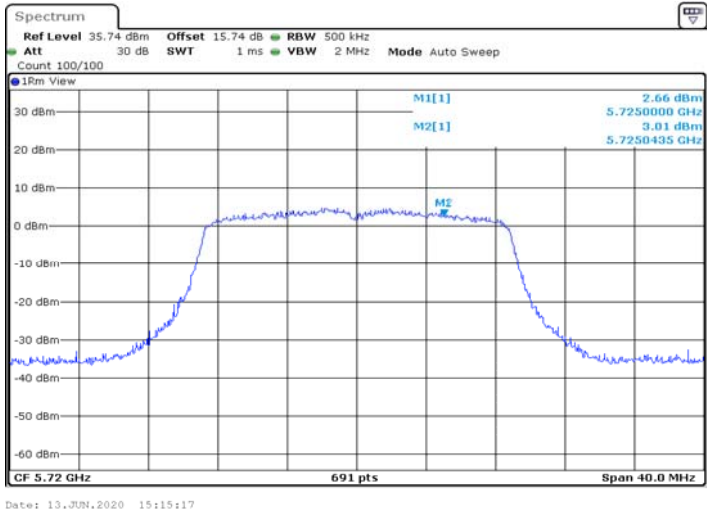
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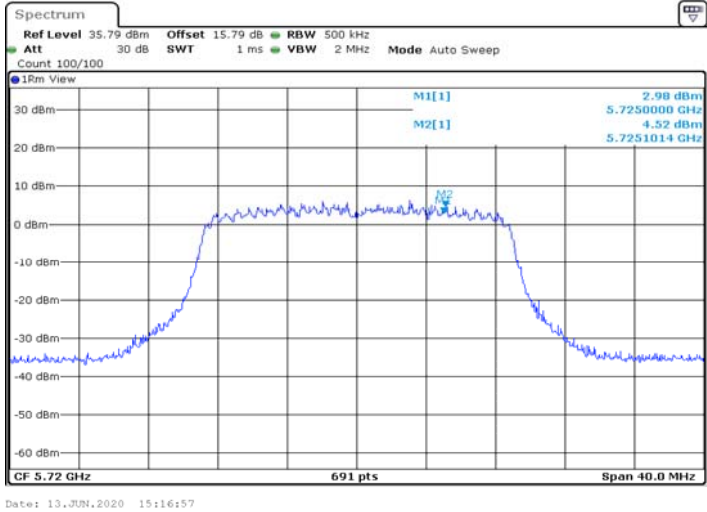
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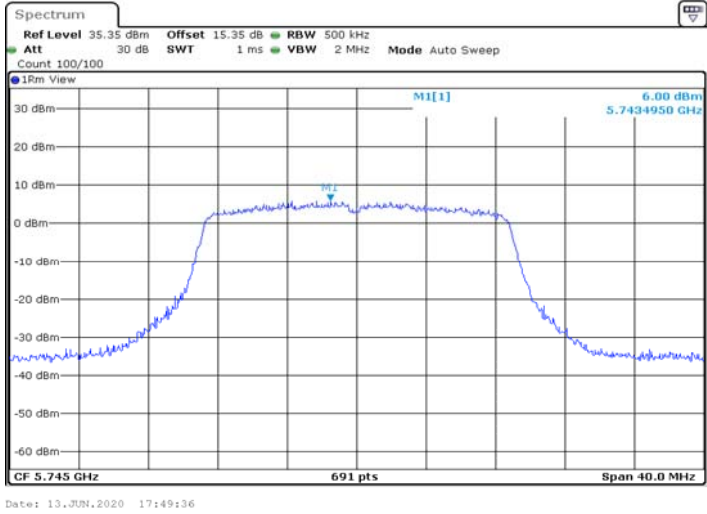
11ac20MIMO\_Ant1\_5720\_UNII-3



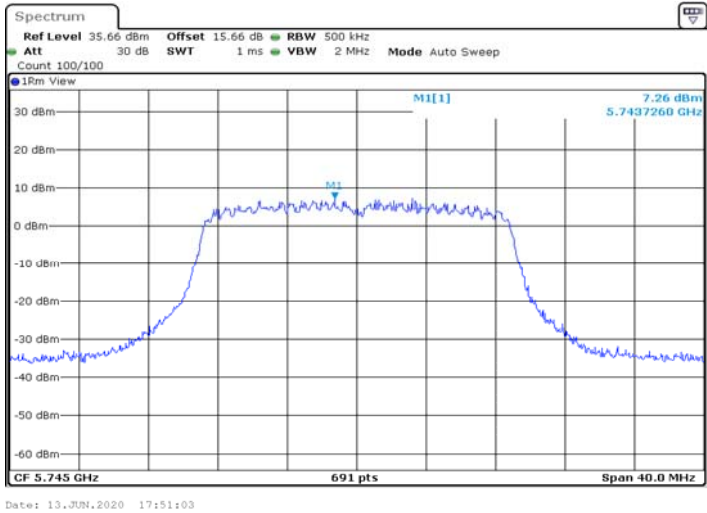
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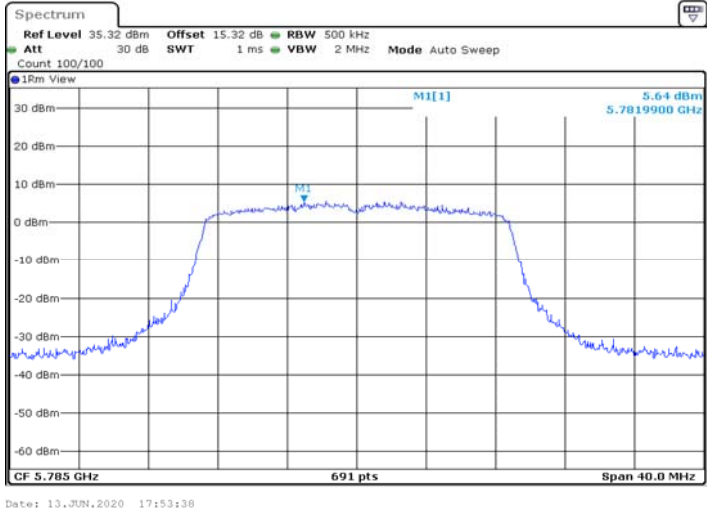
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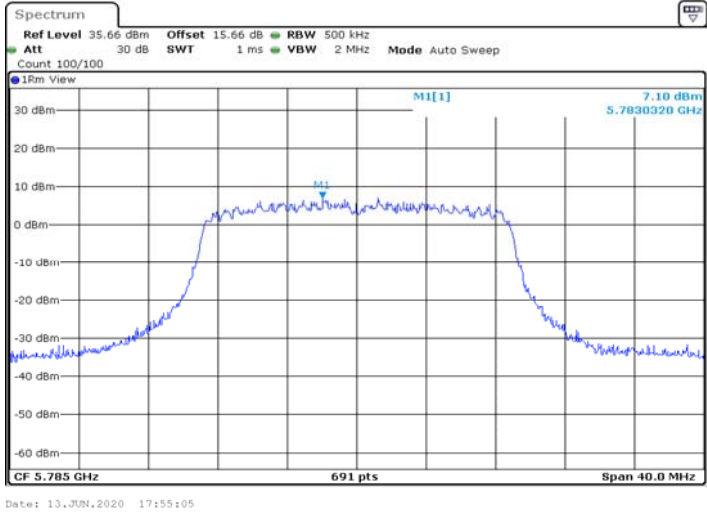
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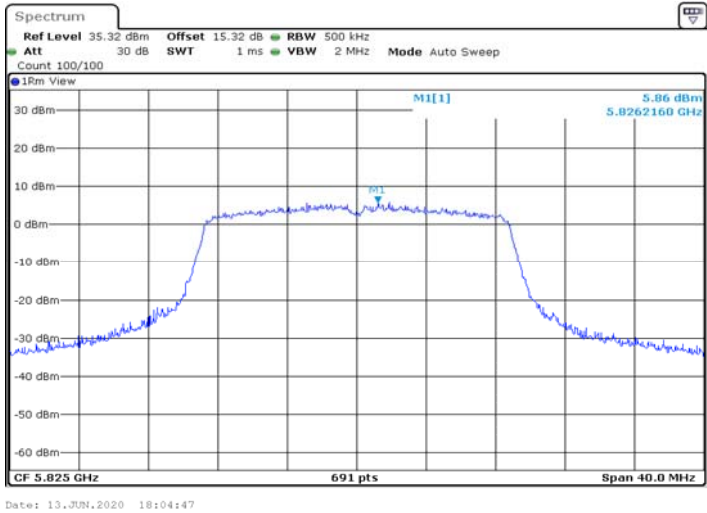
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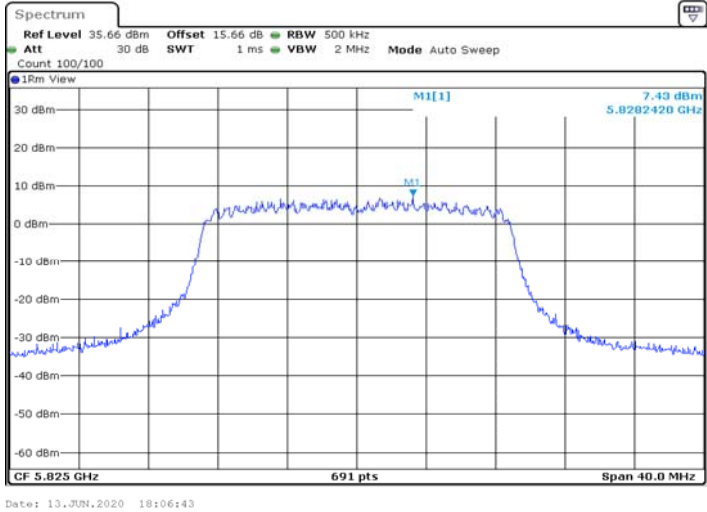
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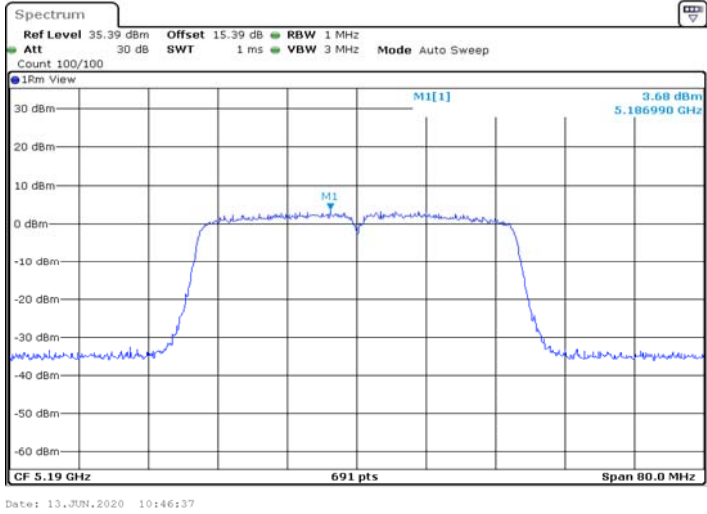
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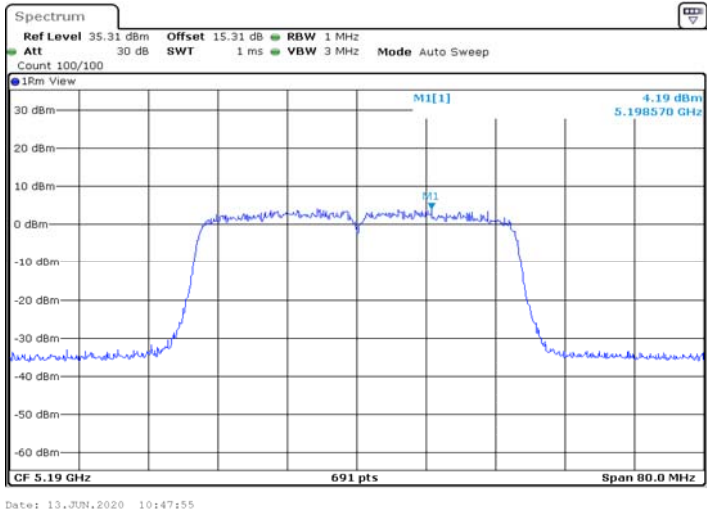
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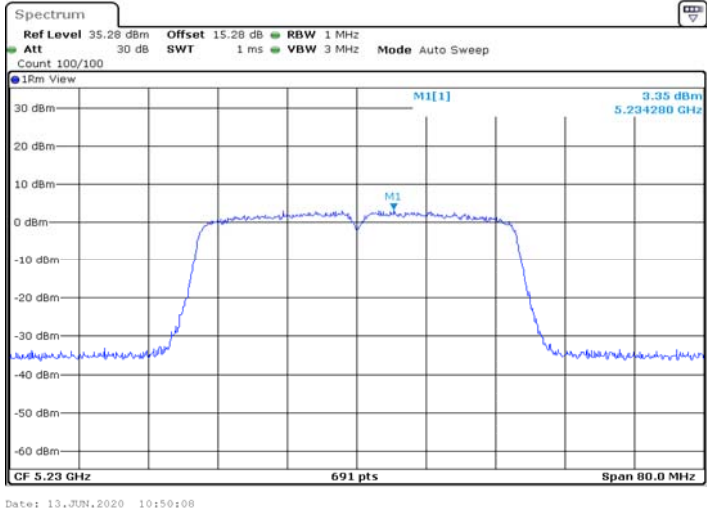
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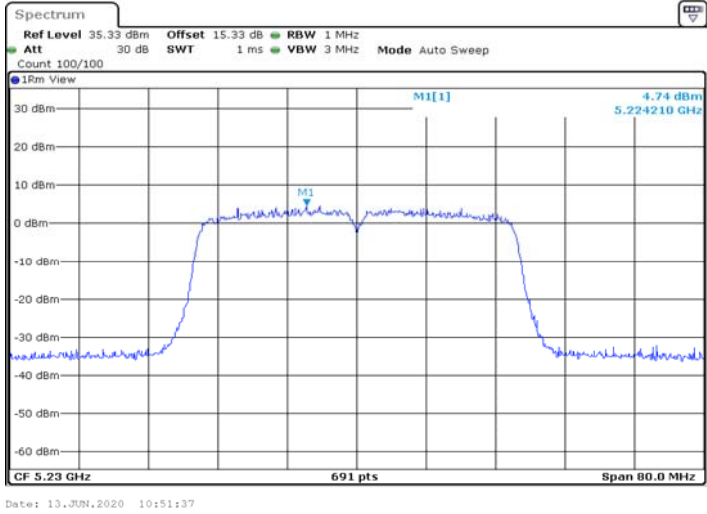
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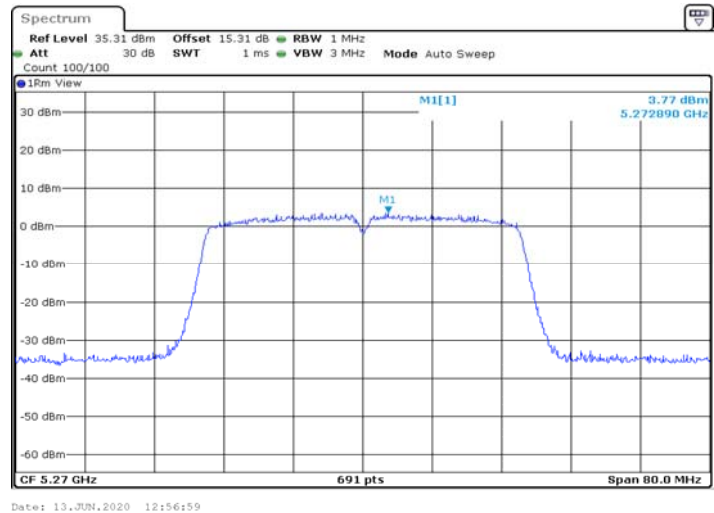
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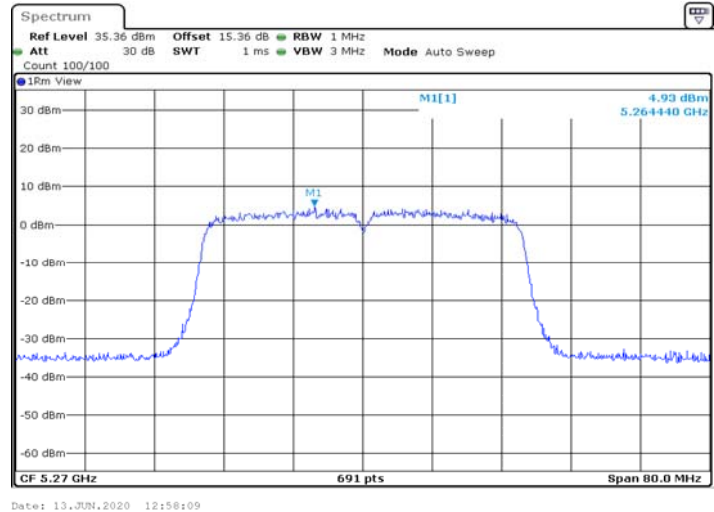
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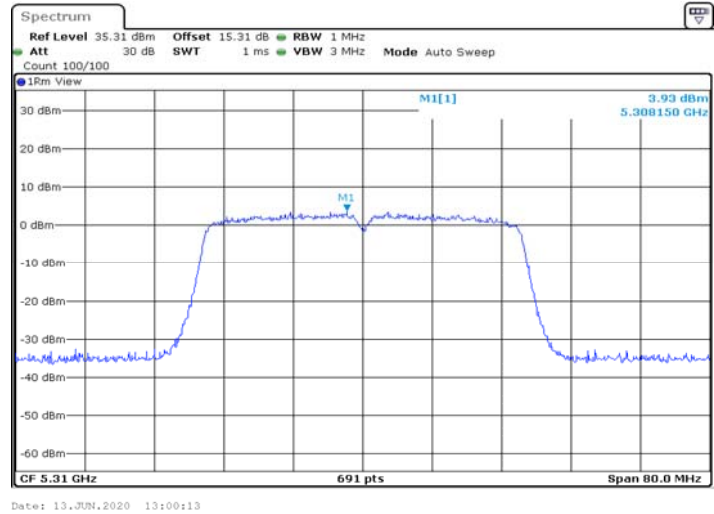
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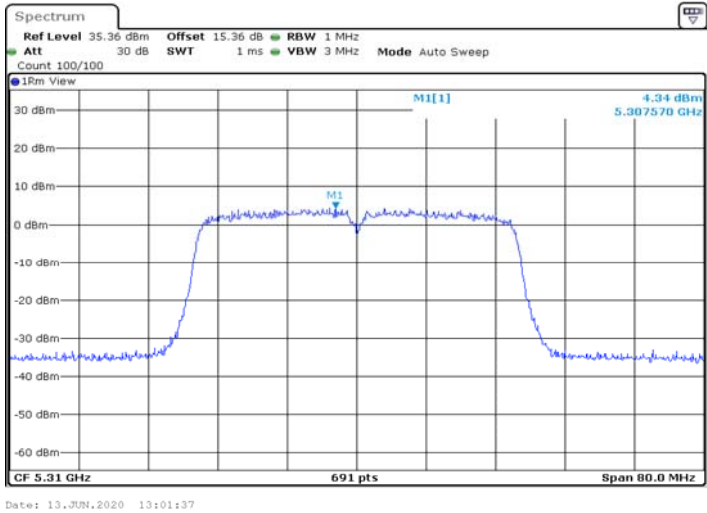
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11ac40MIMO\_Ant1\_5310



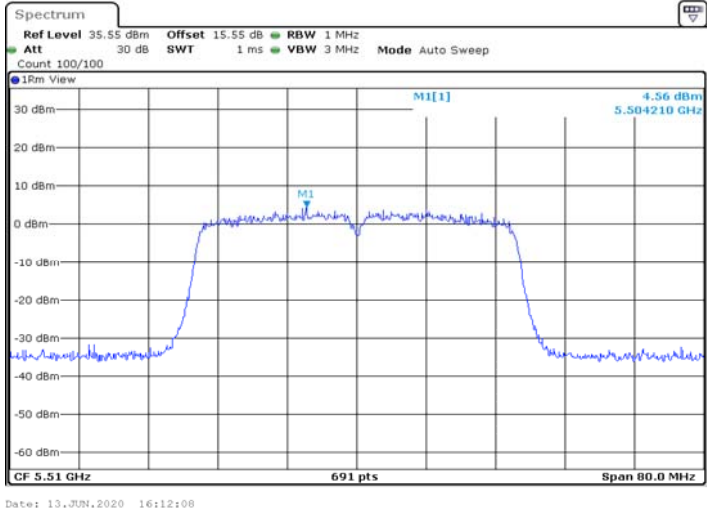
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11ac40MIMO\_Ant1\_5510

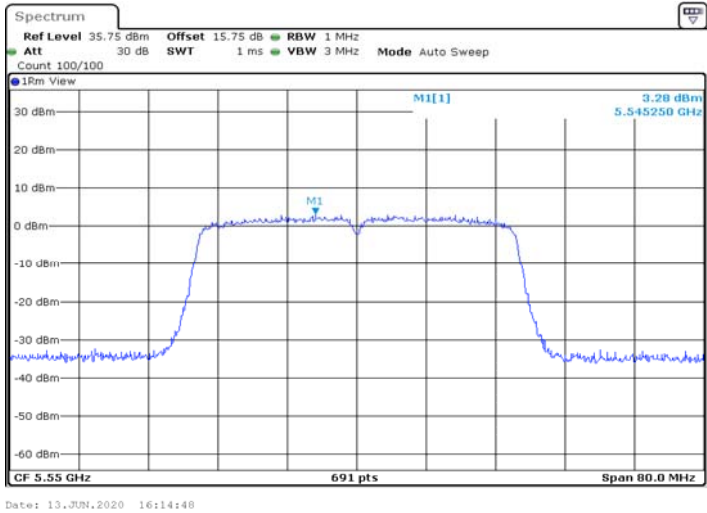


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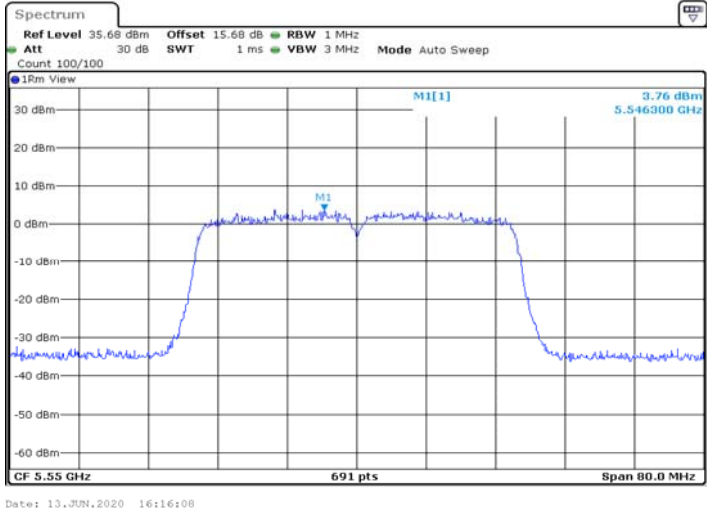




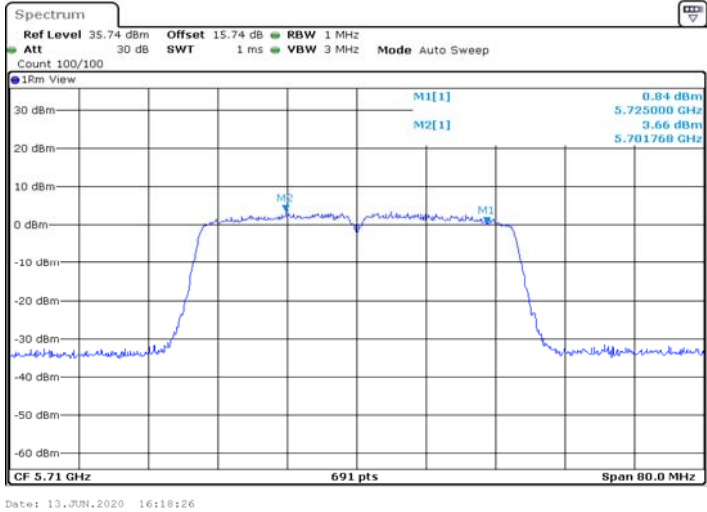
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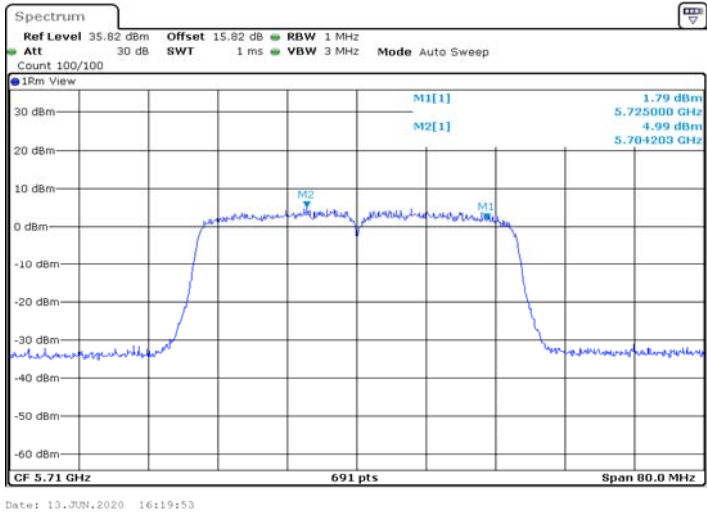
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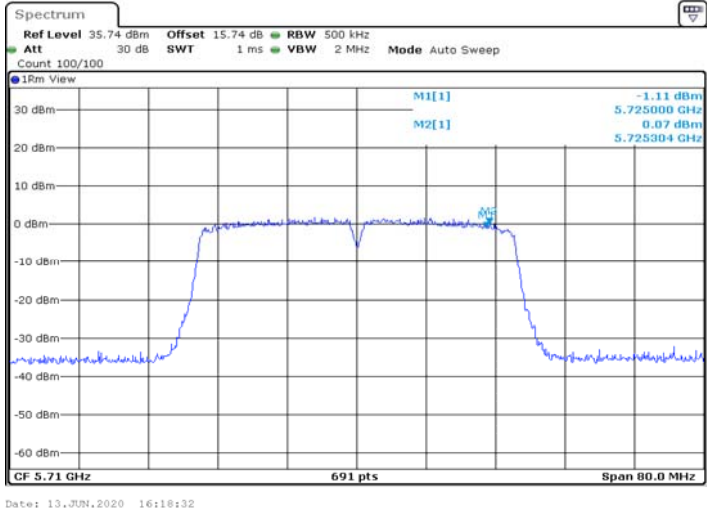
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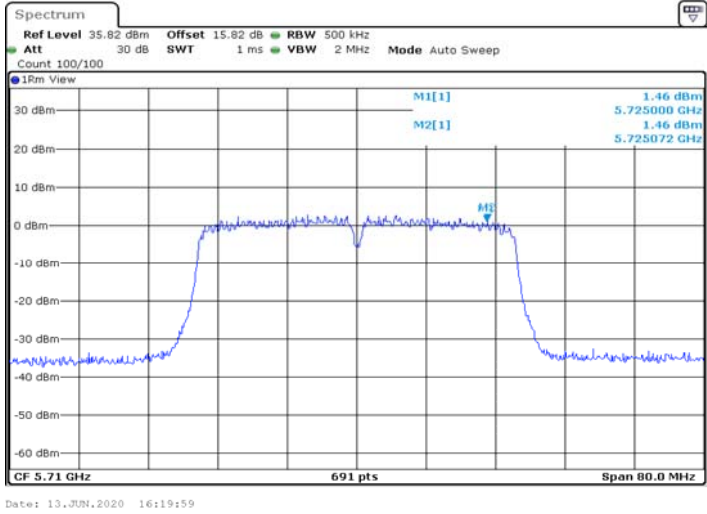
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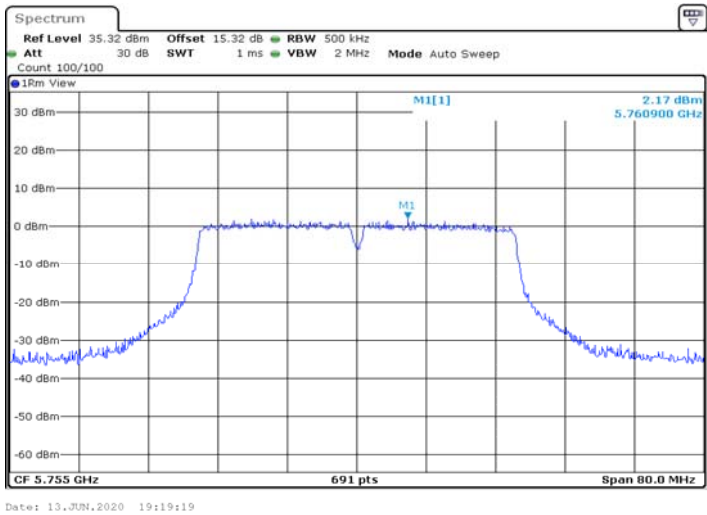
11ac40MIMO\_Ant1\_5710\_UNII-3



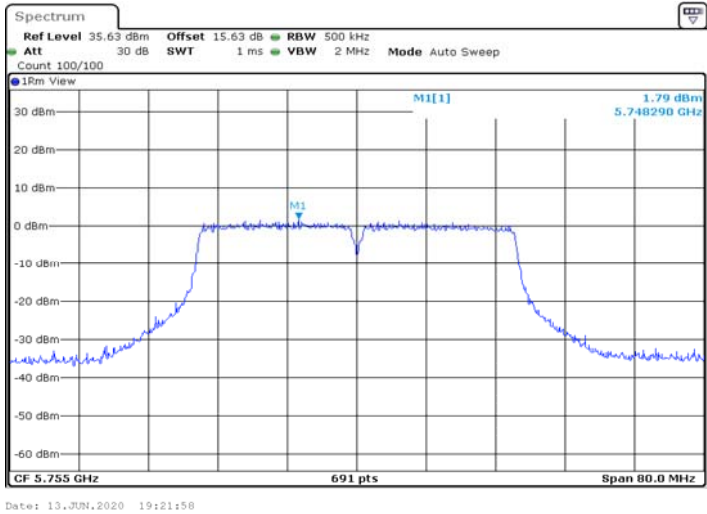
11ac40MIMO\_Ant2\_5710\_UNII-3



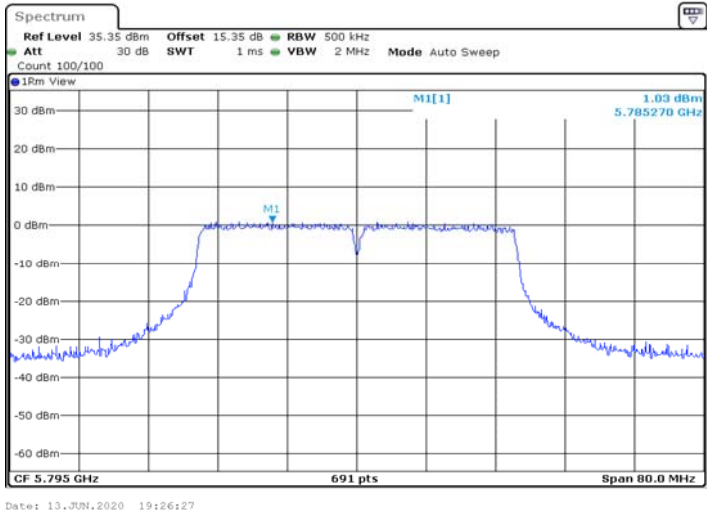
11ac40MIMO\_Ant1\_5755



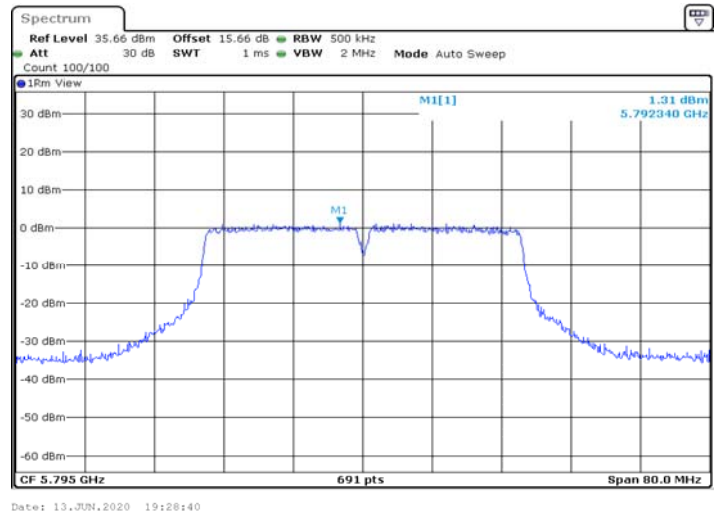
11ac40MIMO\_Ant2\_5755



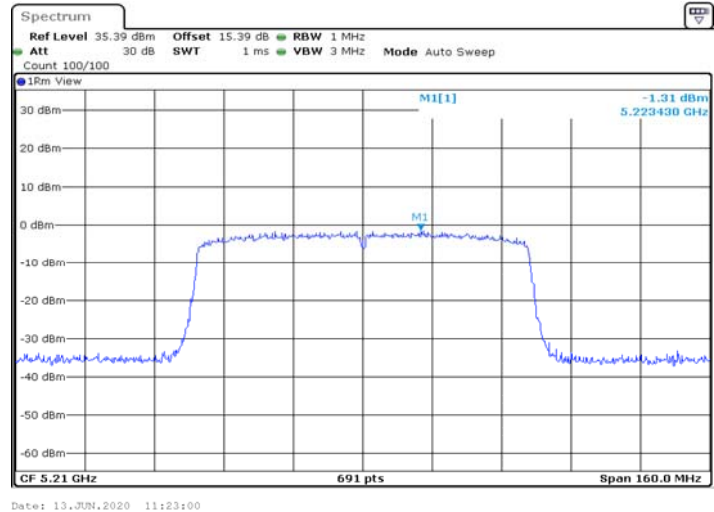
11ac40MIMO\_Ant1\_5795



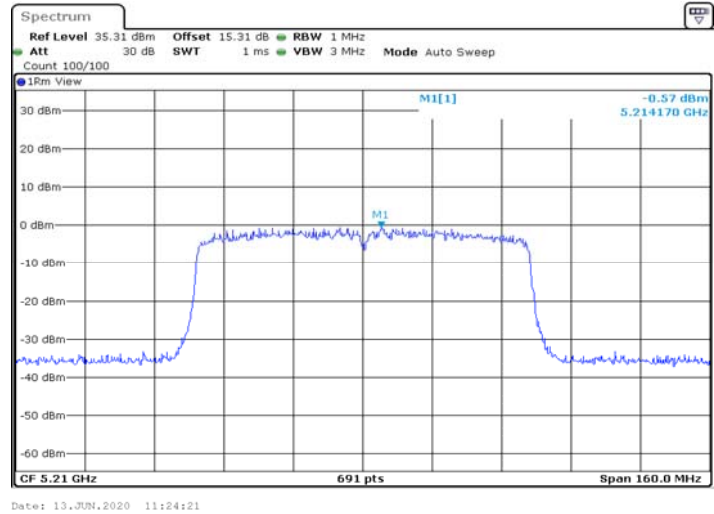
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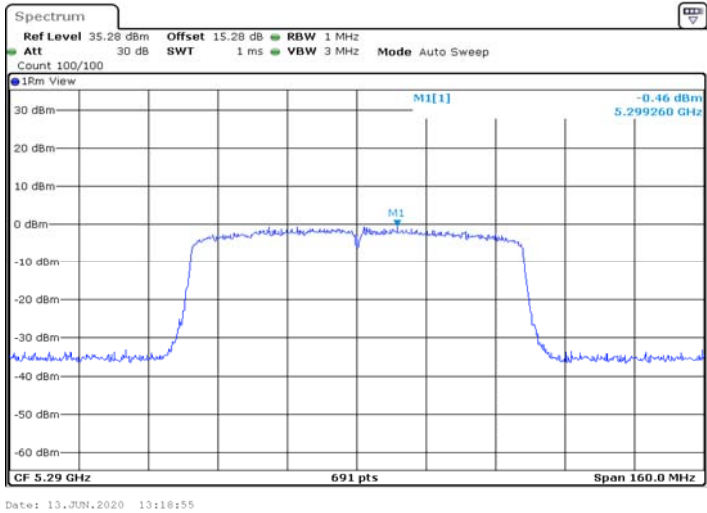
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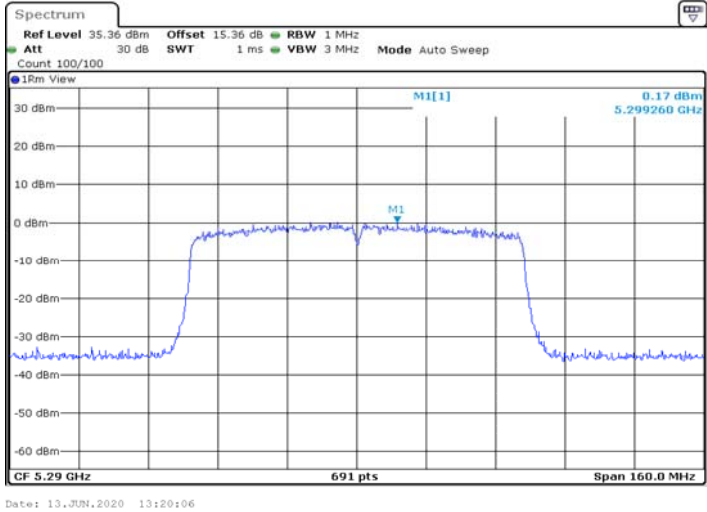
11ac80MIMO\_Ant2\_5210



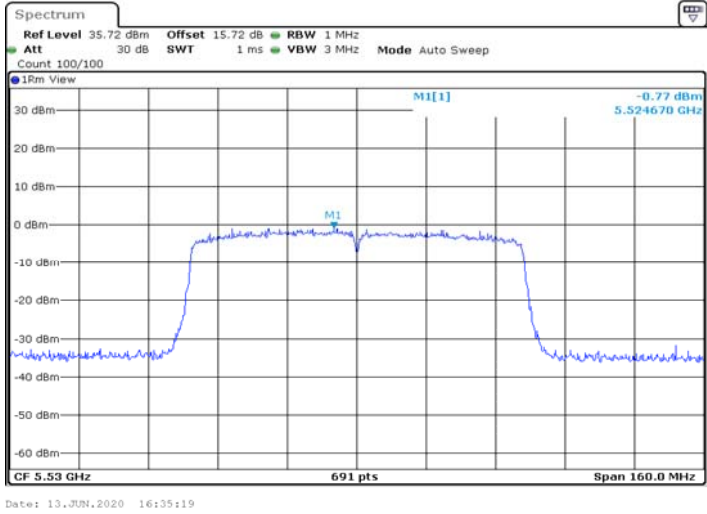
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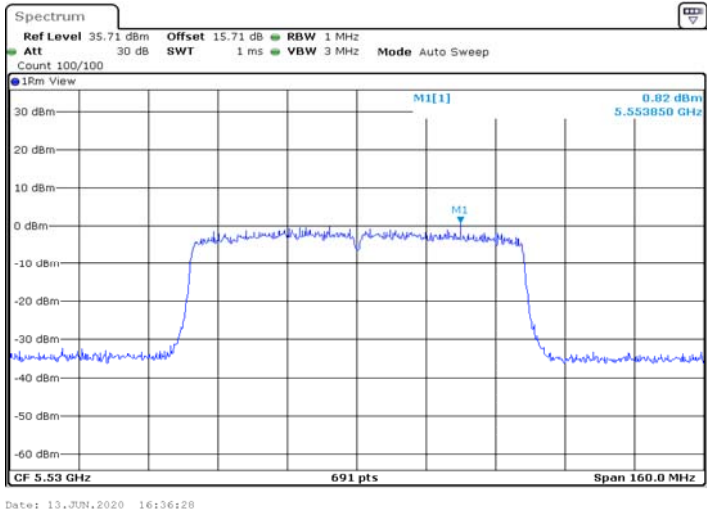
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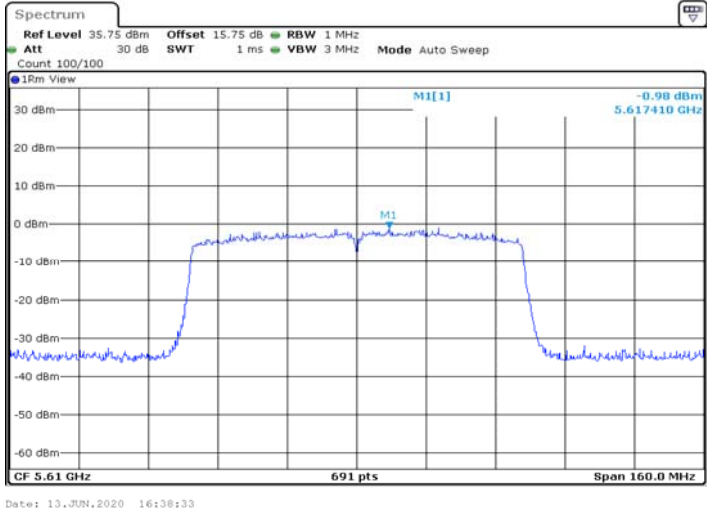
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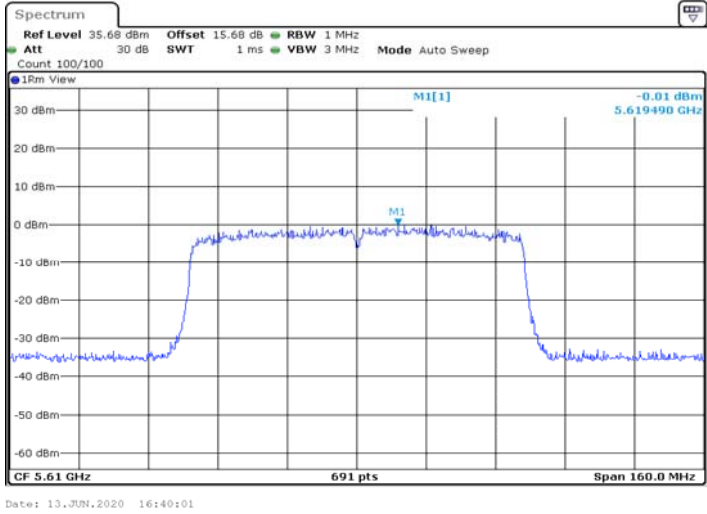
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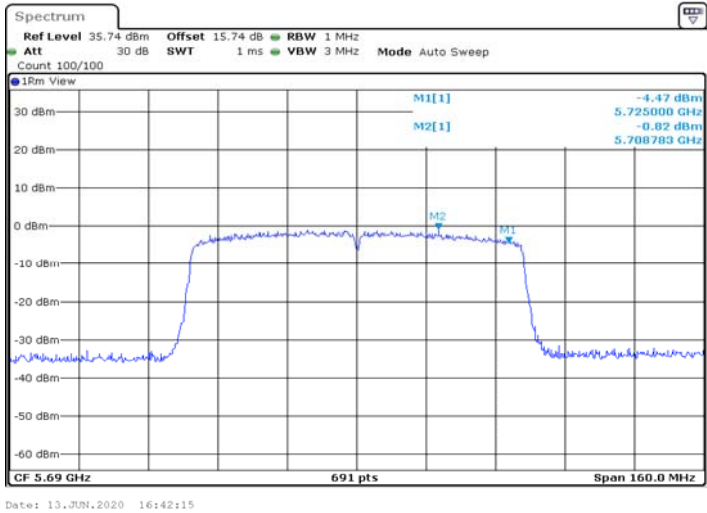
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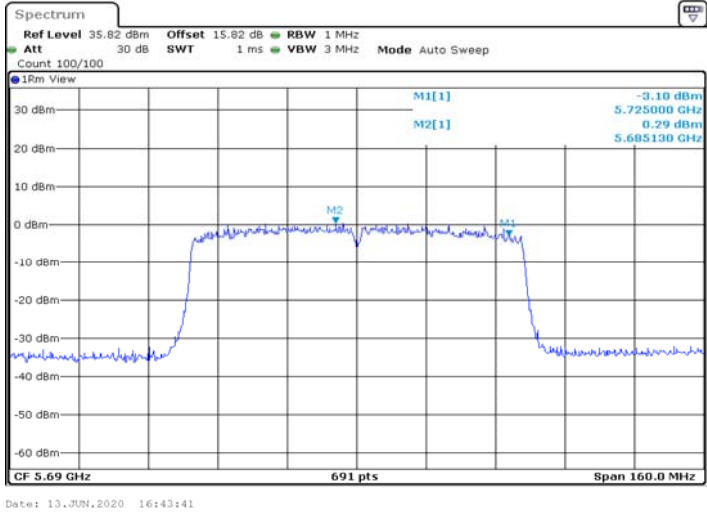
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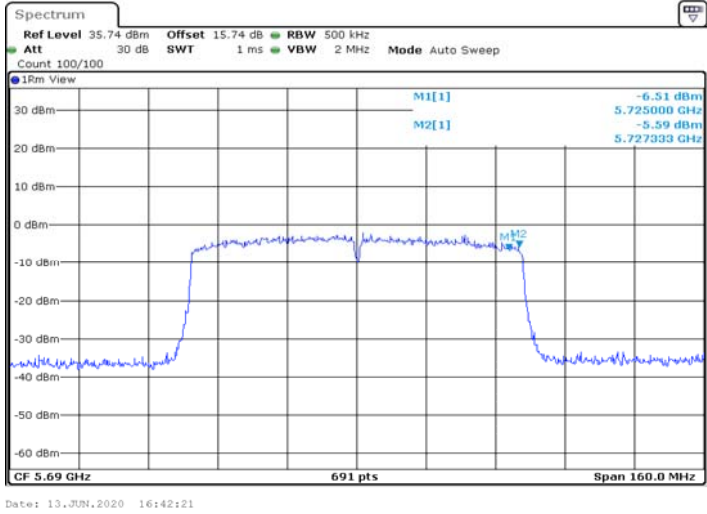
11ac80MIMO\_Ant1\_5690\_UNII-2C



11ac80MIMO\_Ant2\_5690\_UNII-2C

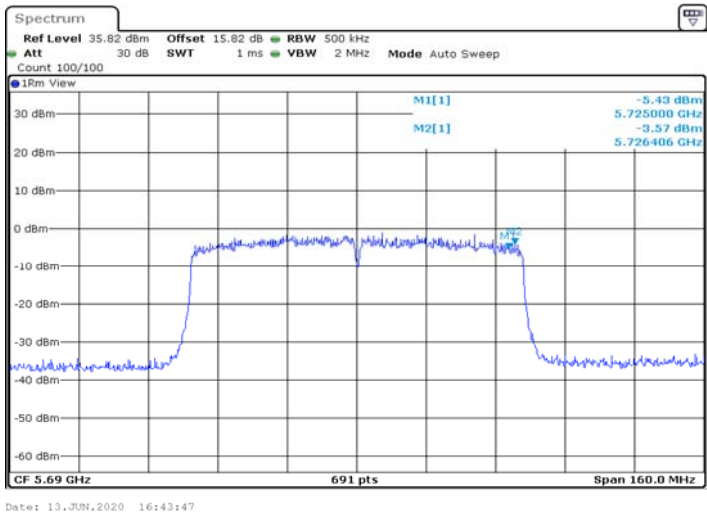


11ac80MIMO\_Ant1\_5690\_UNII-3

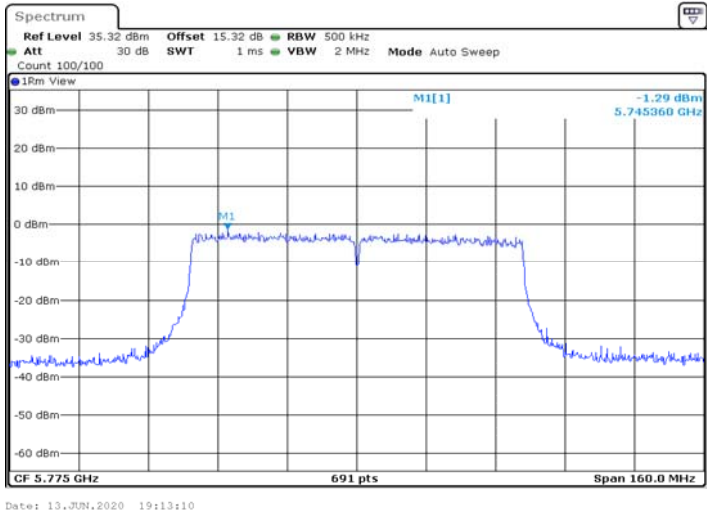




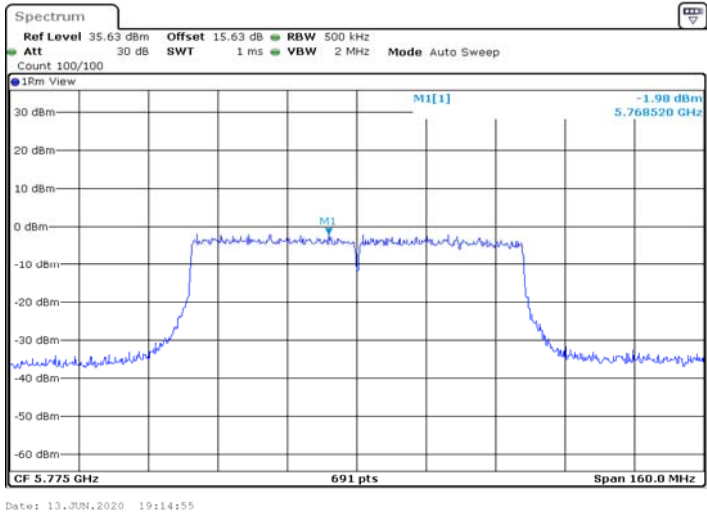
11ac80MIMO\_Ant2\_5690\_UNII-3



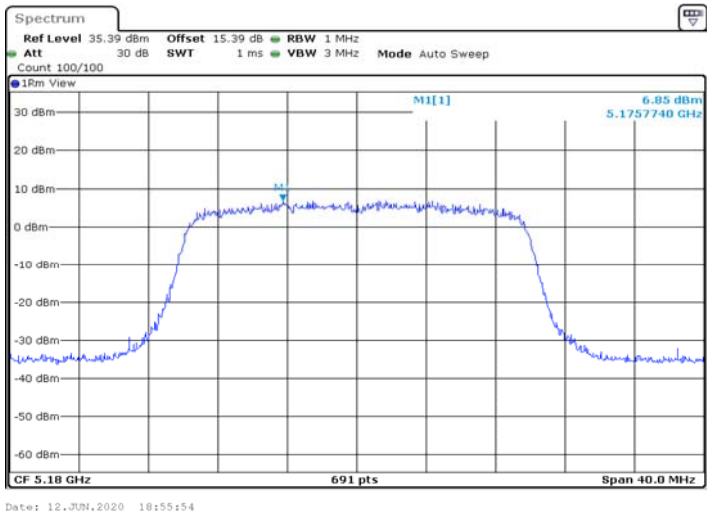
11ac80MIMO\_Ant1\_5775



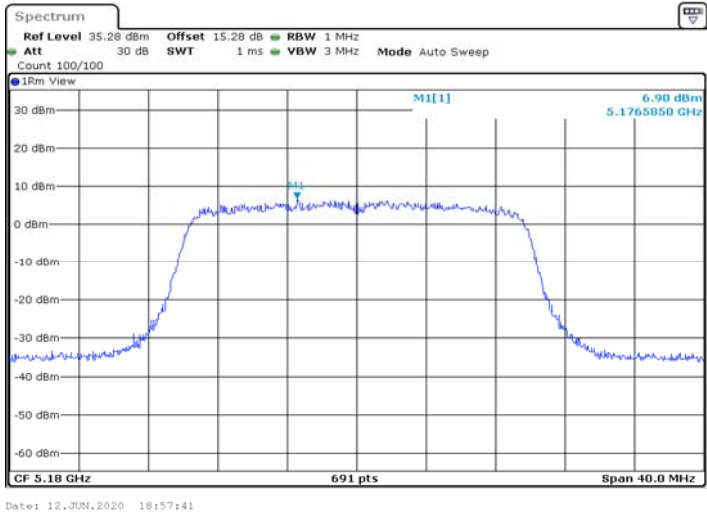
11ac80MIMO\_Ant2\_5775



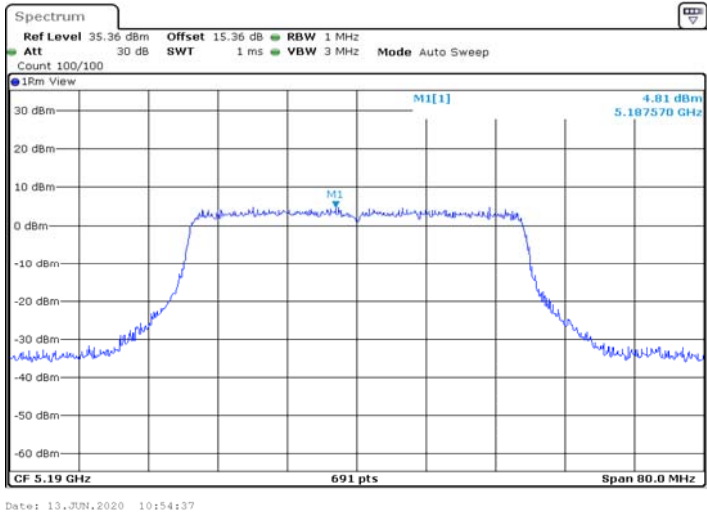
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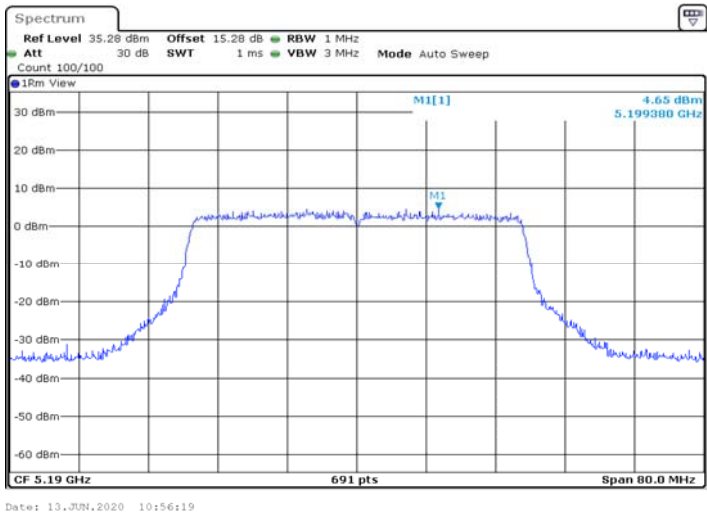
11ax20MIMO\_Ant2\_5180



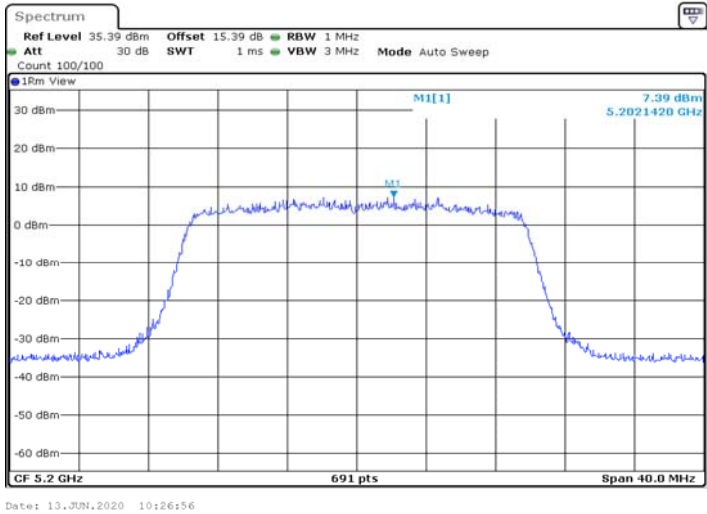
11ax40MIMO\_Ant1\_5190



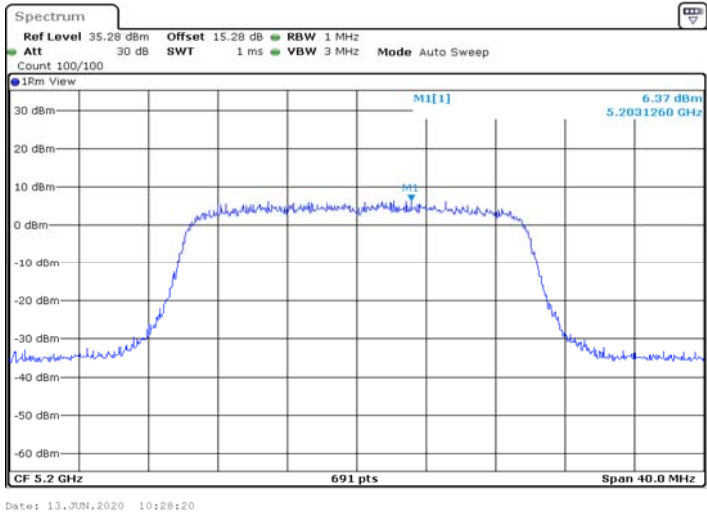
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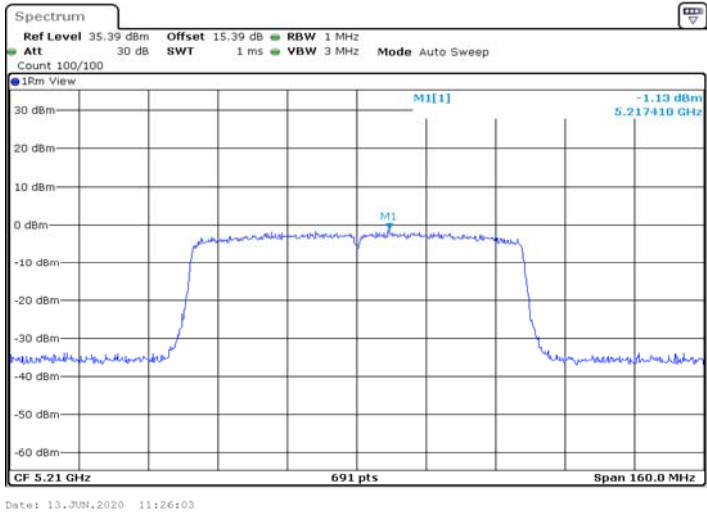
11ax20MIMO\_Ant1\_5200



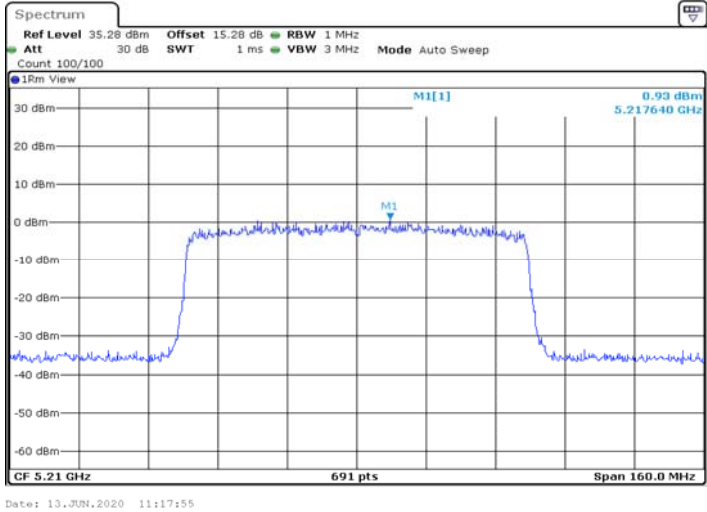
11ax20MIMO\_Ant2\_5200



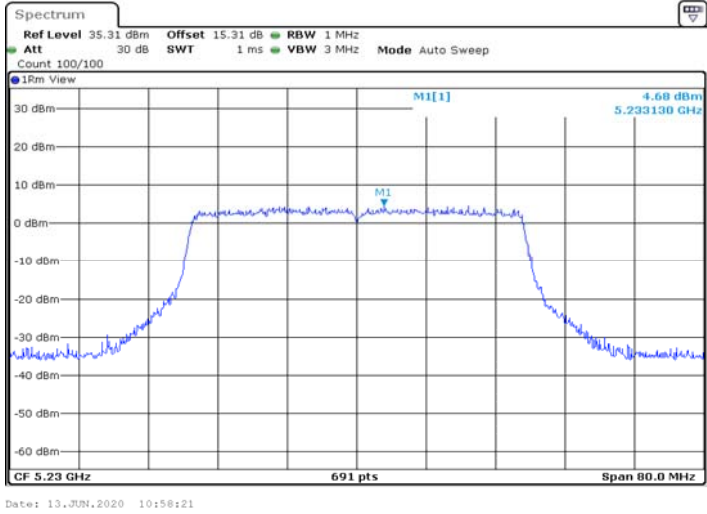
11ax80MIMO\_Ant1\_5210



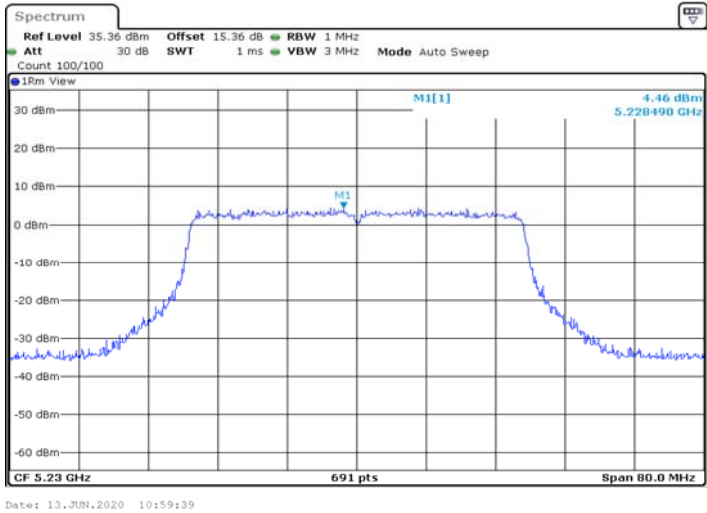
11ax80MIMO\_Ant2\_5210



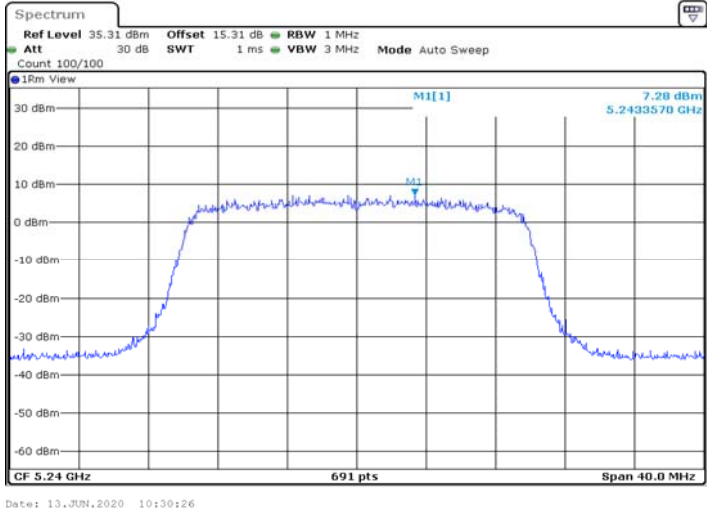
11ax40MIMO\_Ant1\_5230



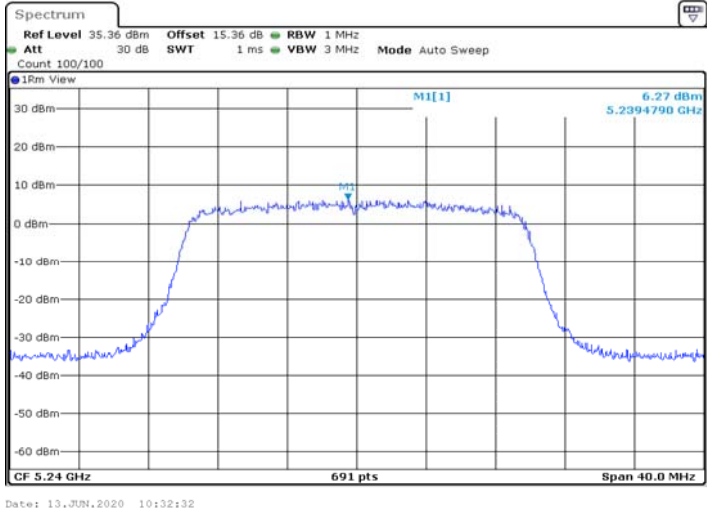
11ax40MIMO\_Ant2\_5230



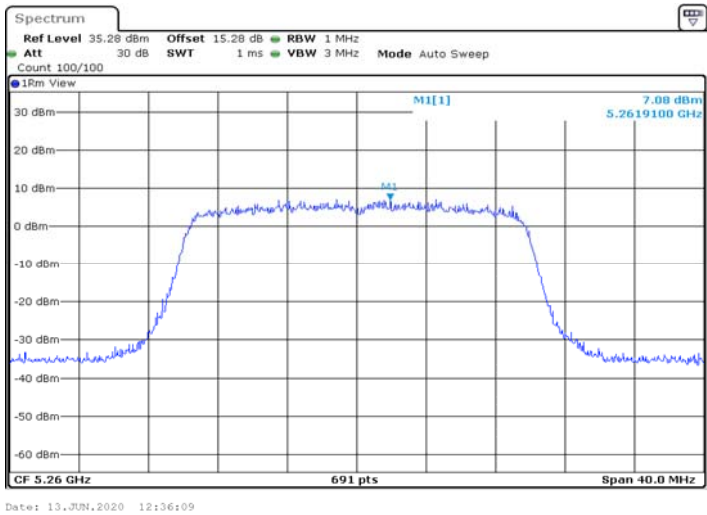
11ax20MIMO\_Ant1\_5240



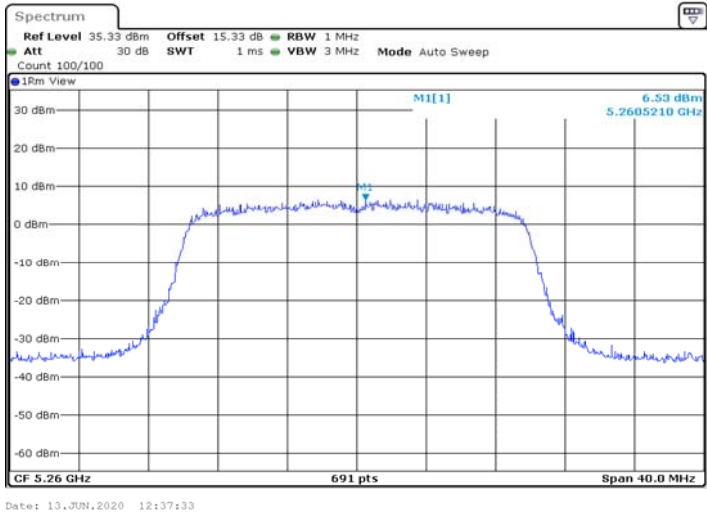
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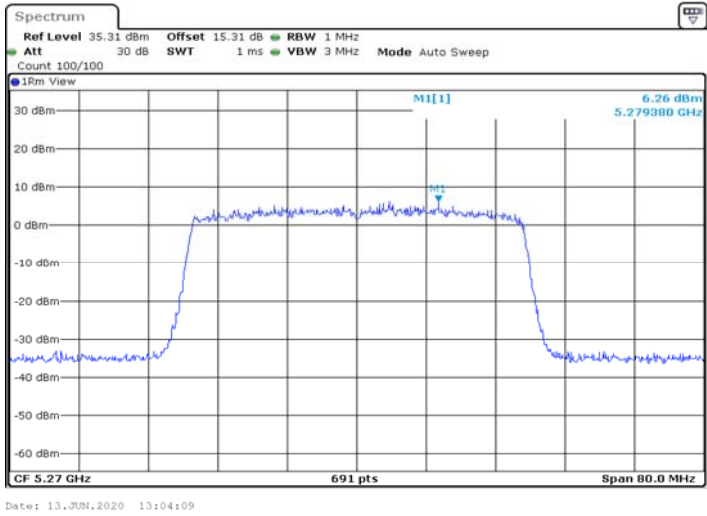
11ax20MIMO\_Ant1\_5260



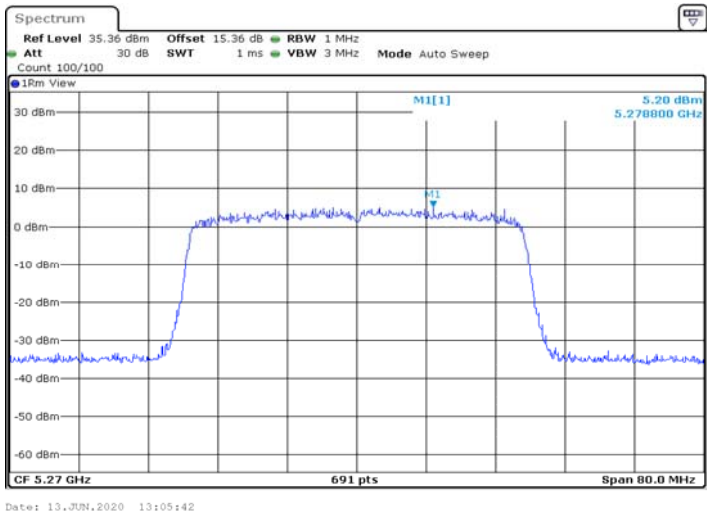
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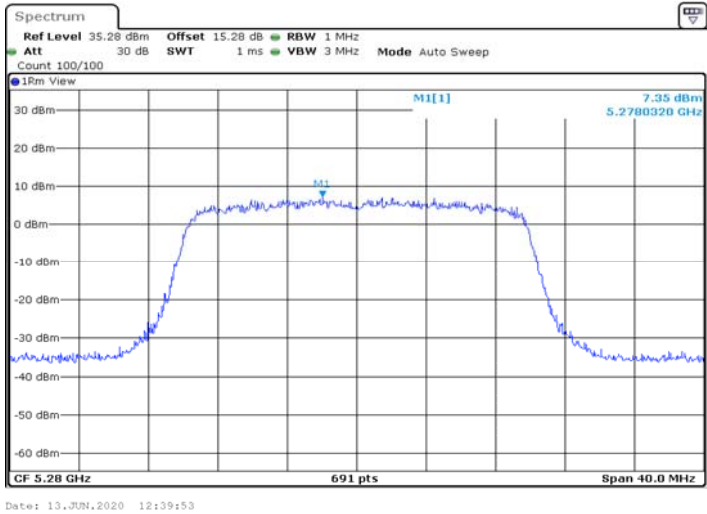
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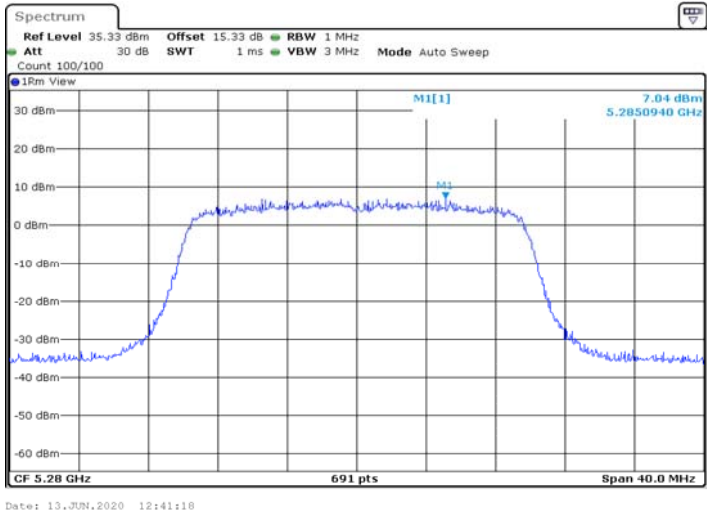
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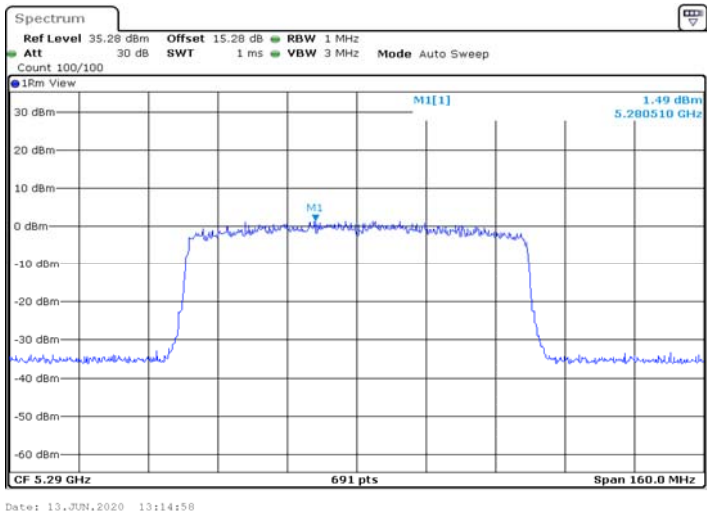
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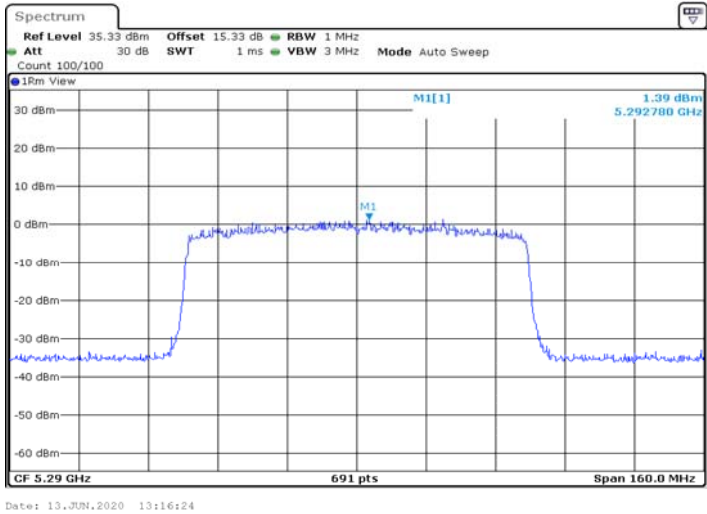
11ax20MIMO\_Ant2\_5280



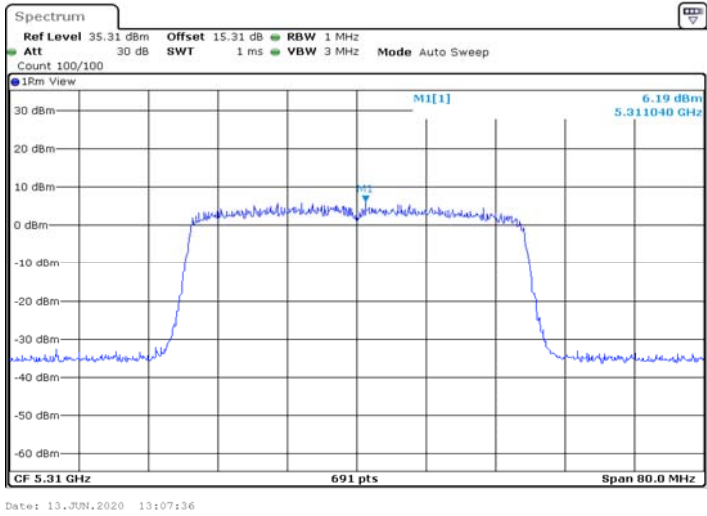
11ax80MIMO\_Ant1\_5290



11ax80MIMO\_Ant2\_5290

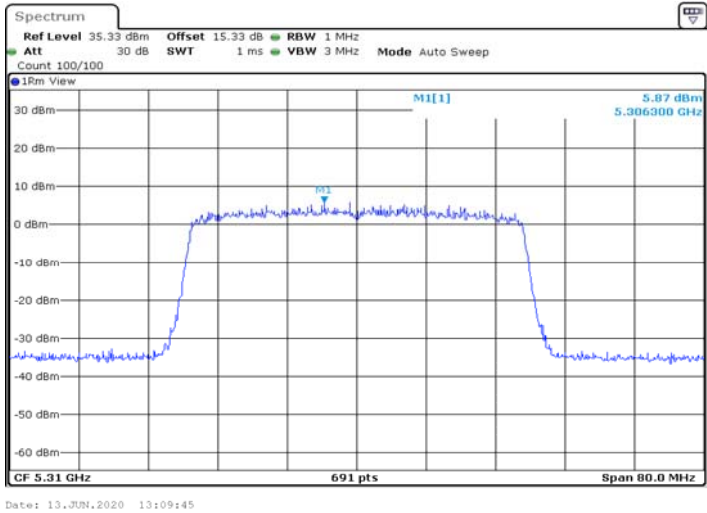


11ax40MIMO\_Ant1\_5310





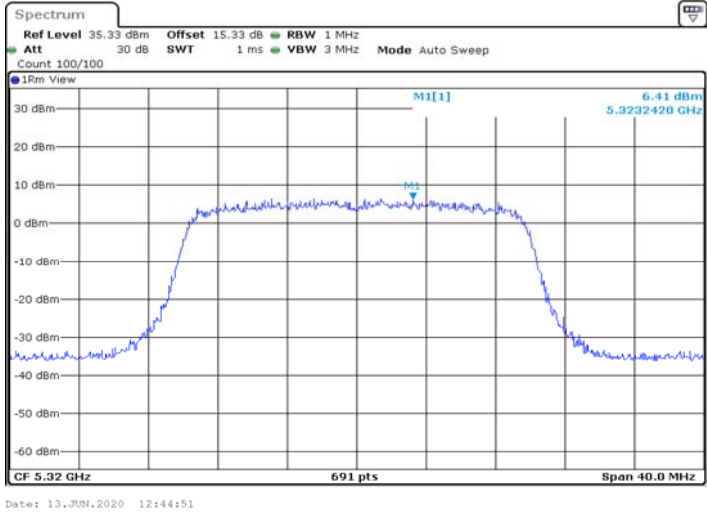
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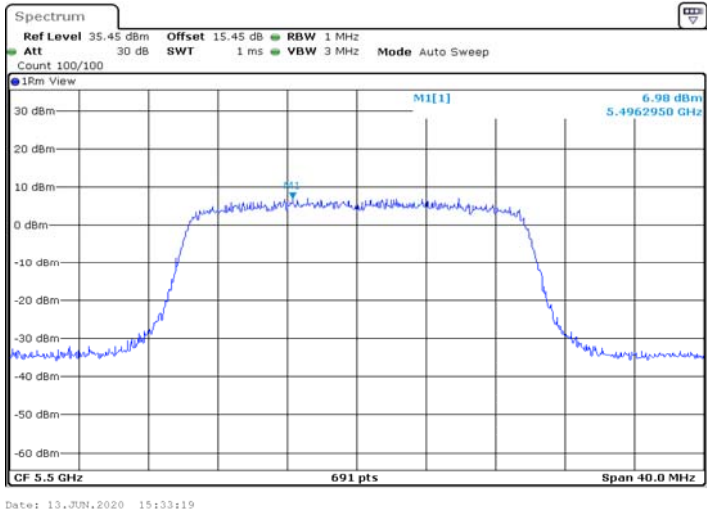
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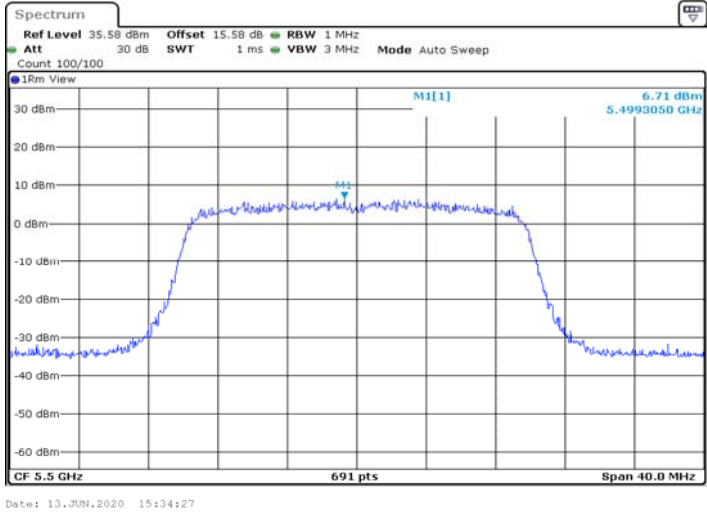
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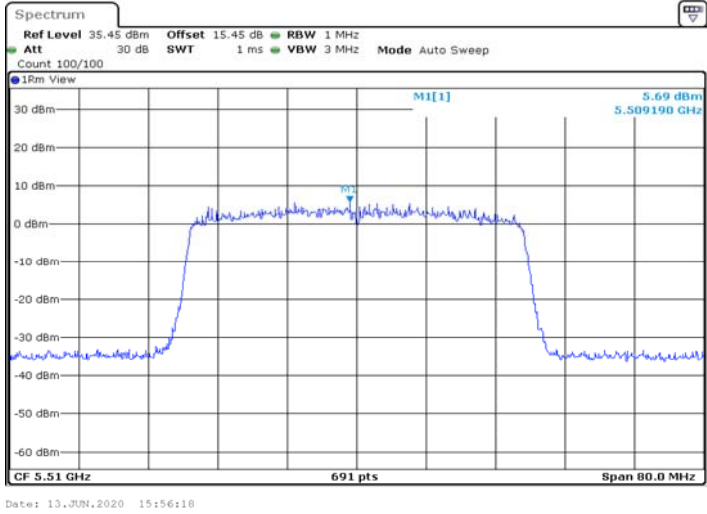
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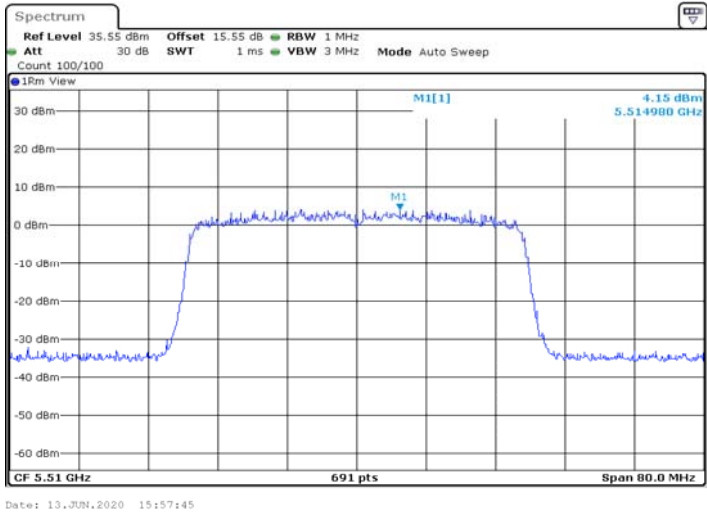
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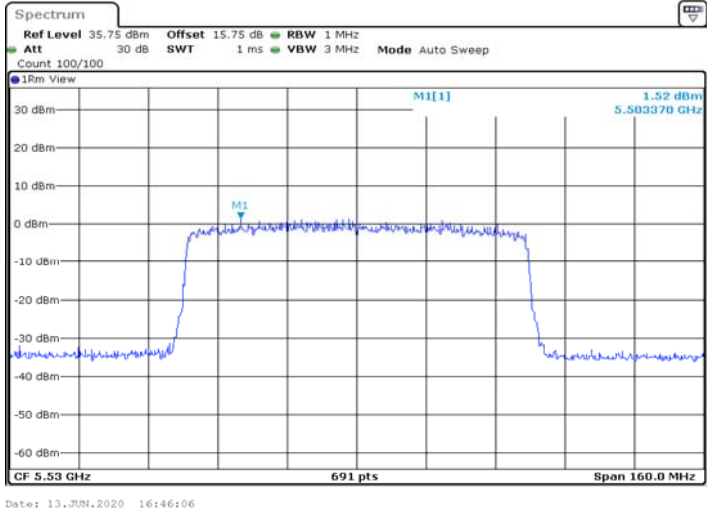
11ax40MIMO\_Ant1\_5510



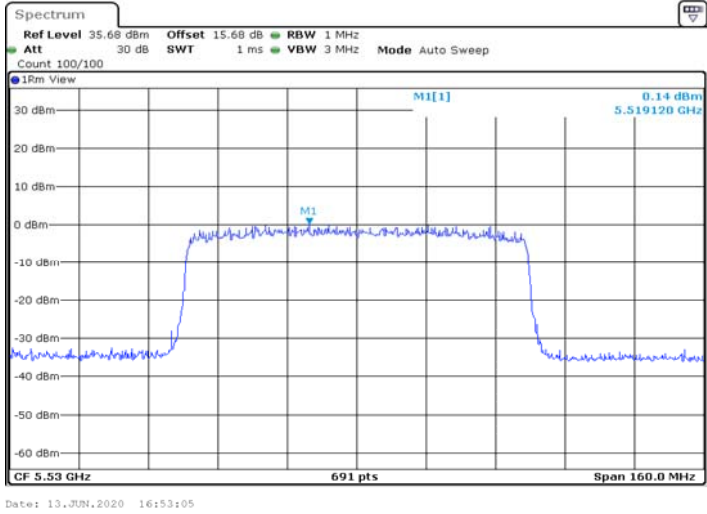
11ax40MIMO\_Ant2\_5510



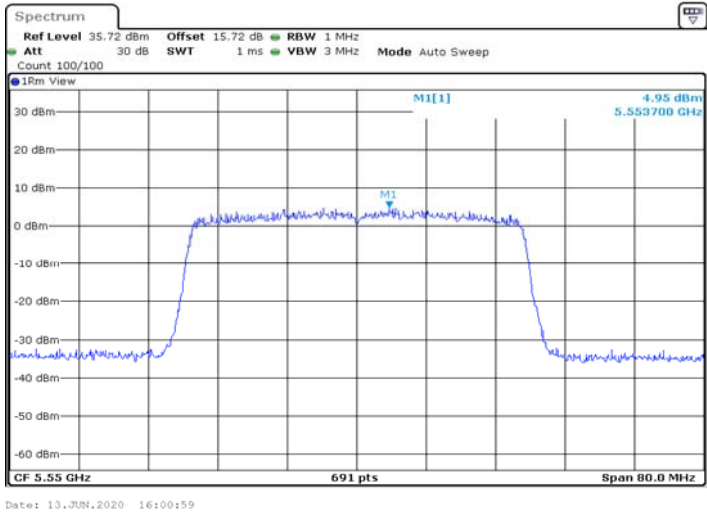
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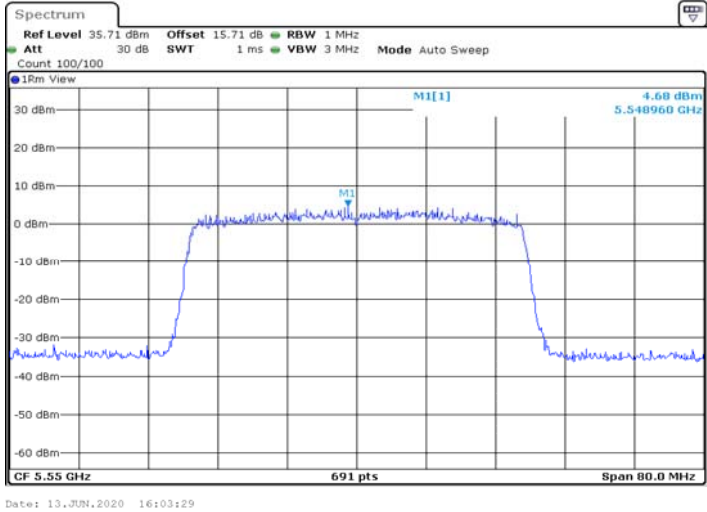
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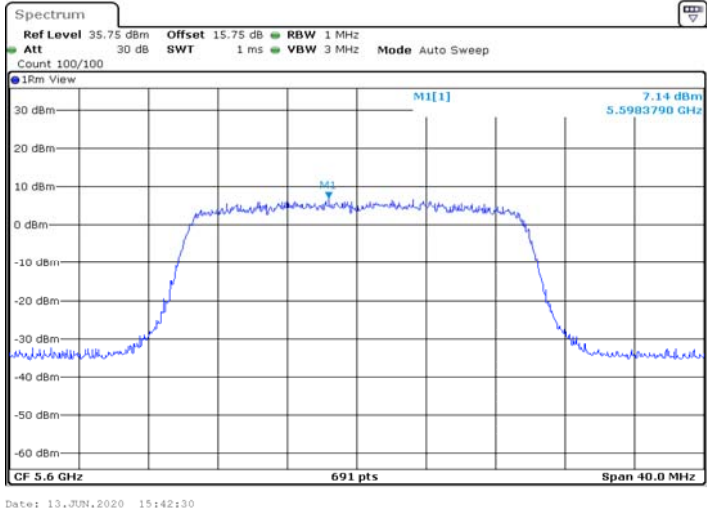
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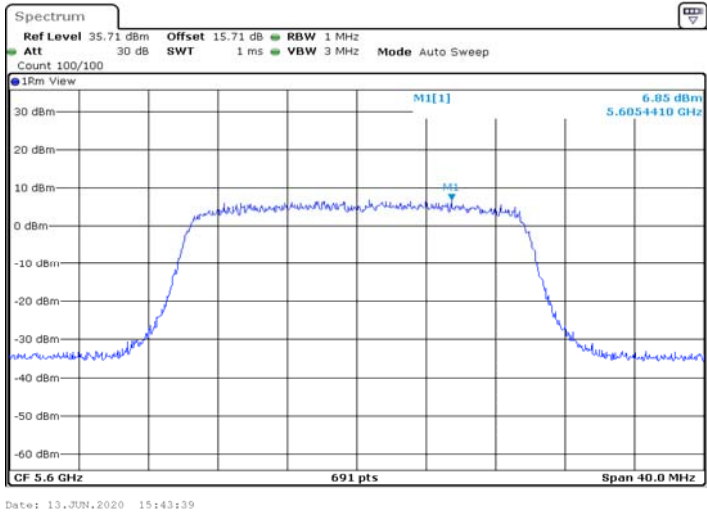
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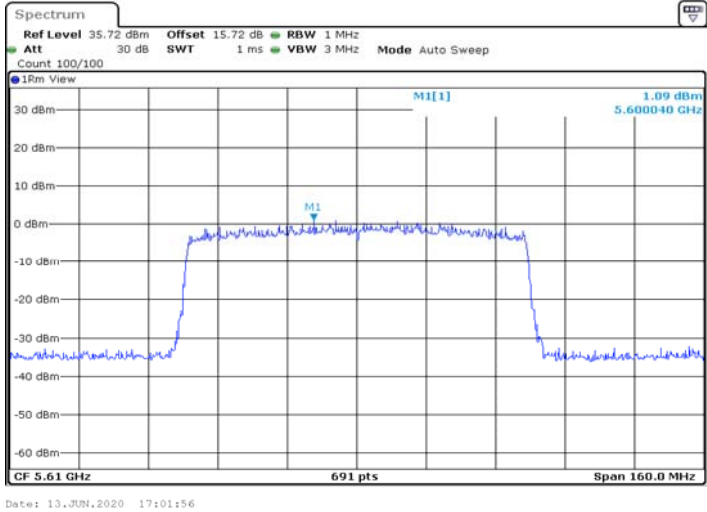
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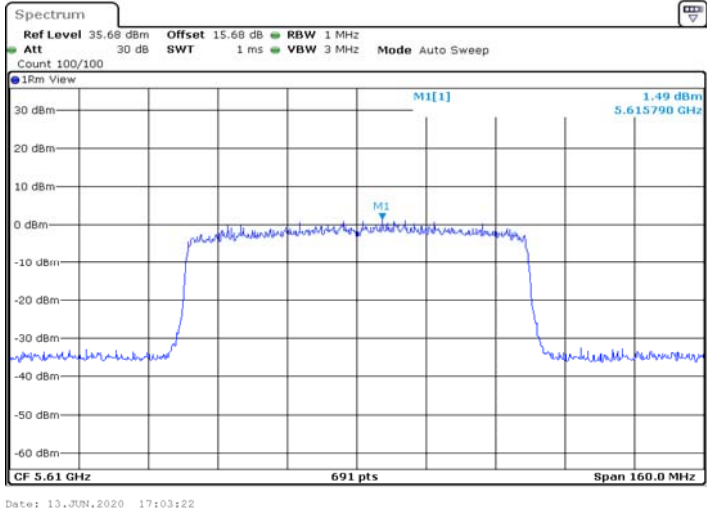
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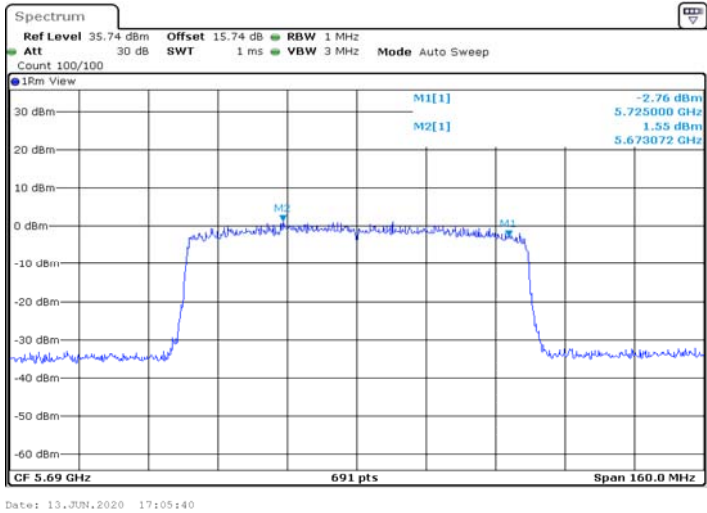
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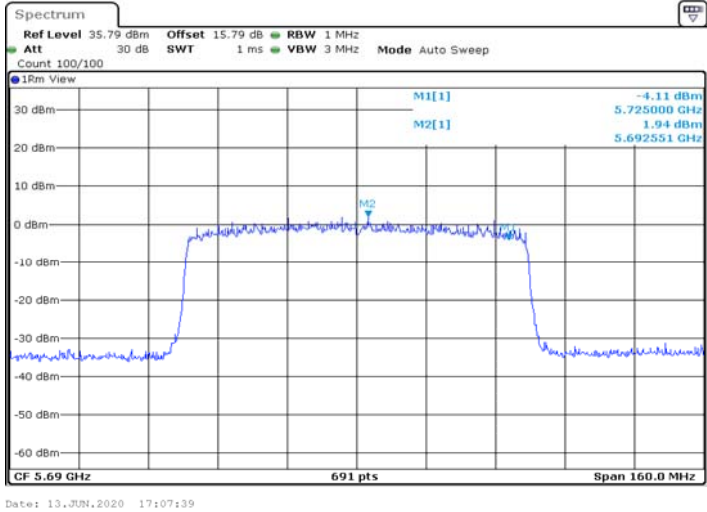
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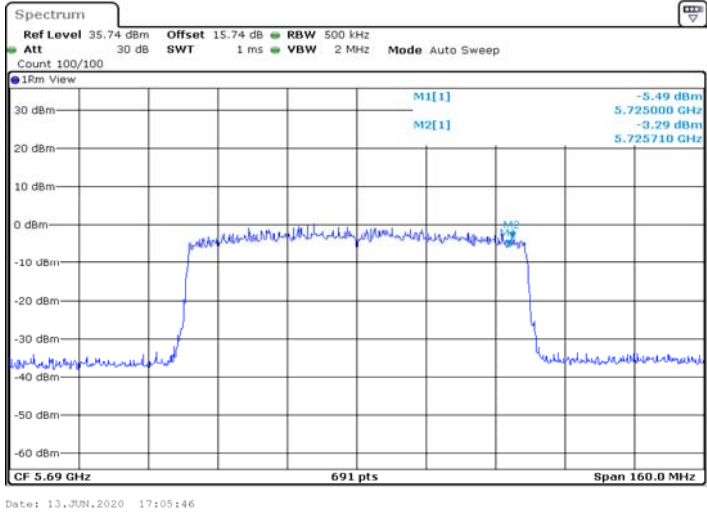
11ax80MIMO\_Ant1\_5690\_UNII-2C



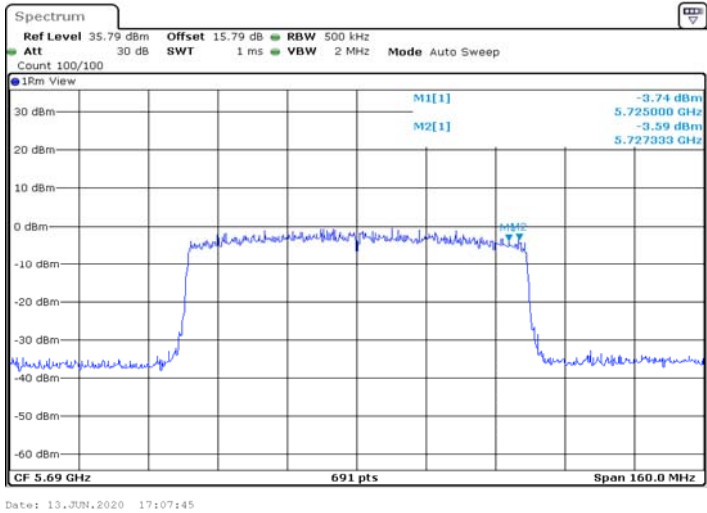
11ax80MIMO\_Ant2\_5690\_UNII-2C



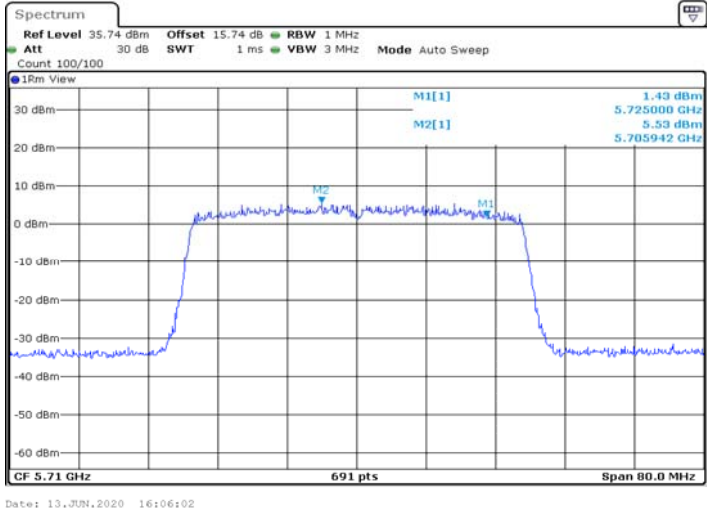
11ax80MIMO\_Ant1\_5690\_UNII-3



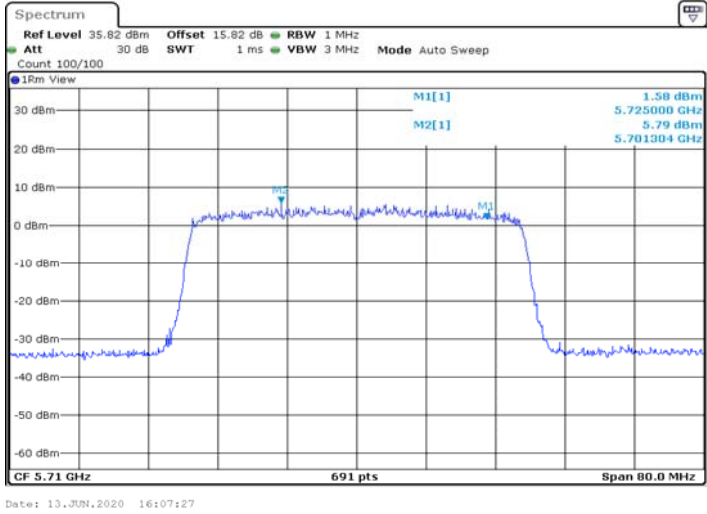
11ax80MIMO\_Ant2\_5690\_UNII-3



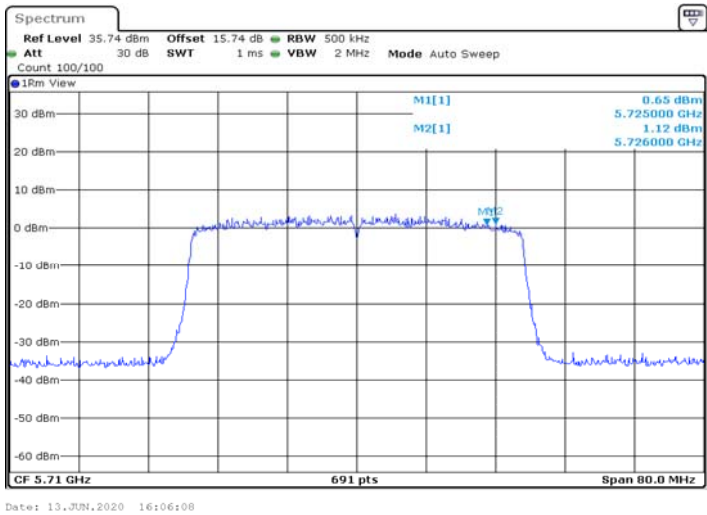
11ax40MIMO\_Ant1\_5710\_UNII-2C



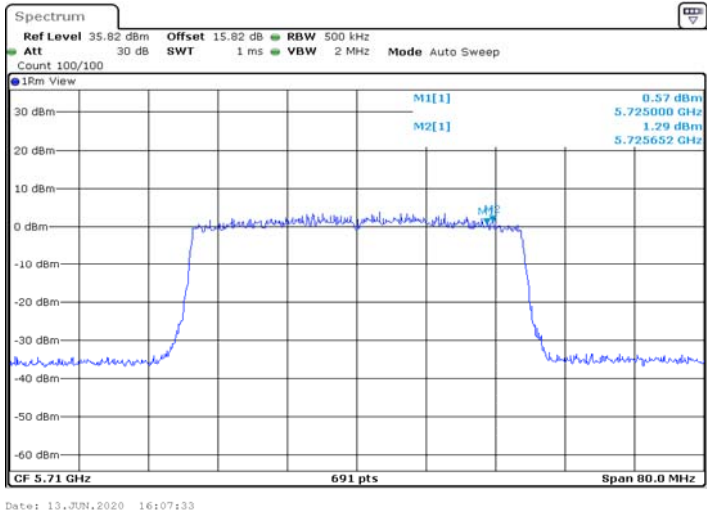
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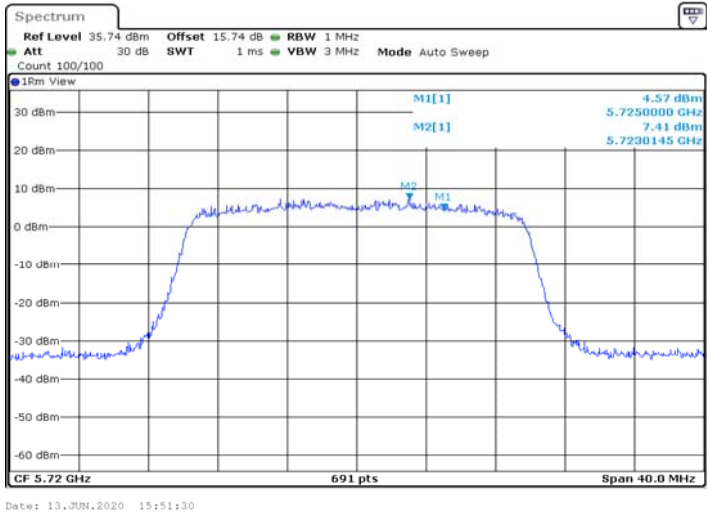
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11ax40MIMO\_Ant2\_5710\_UNII-3

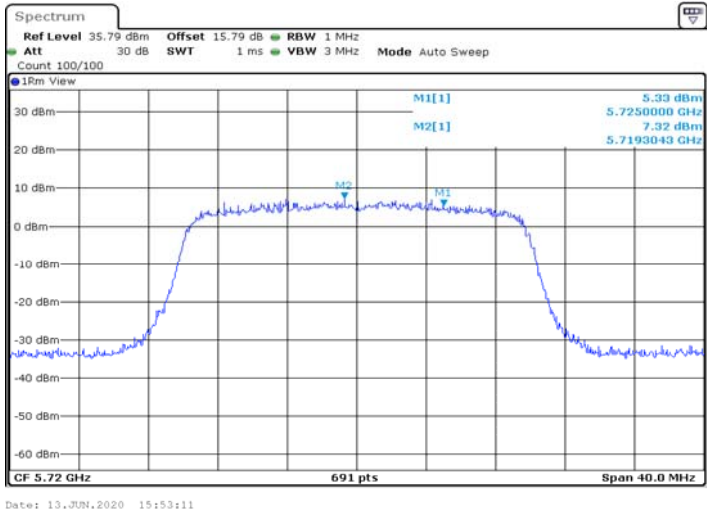


11ax20MIMO\_Ant1\_5720\_UNII-2C

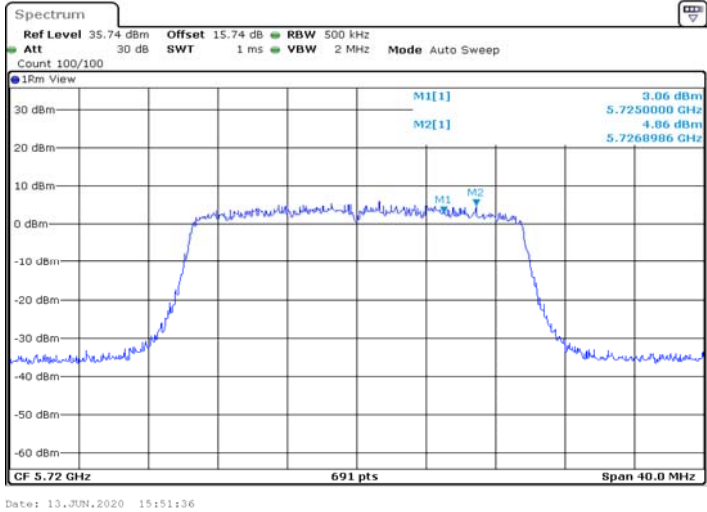




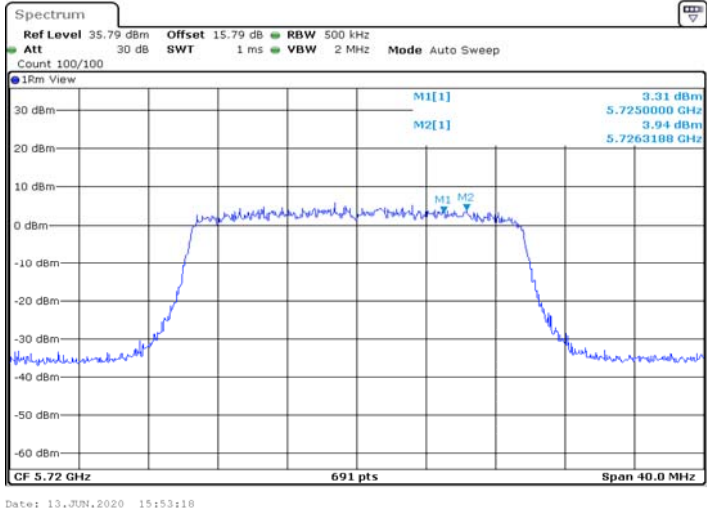
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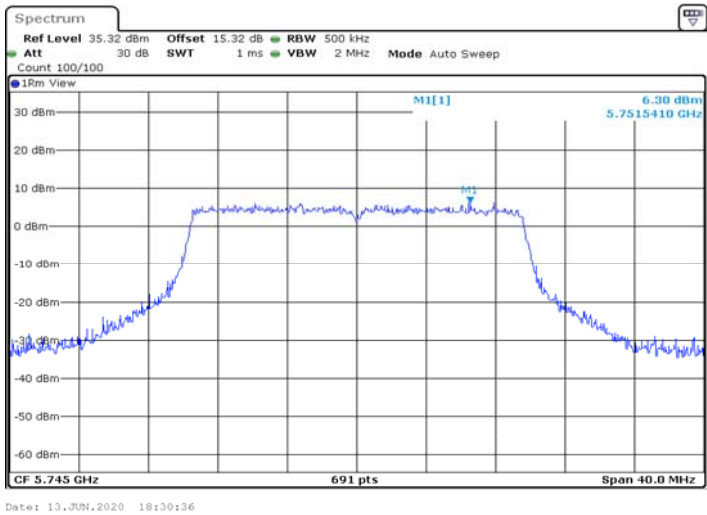
11ax20MIMO\_Ant1\_5720\_UNII-3



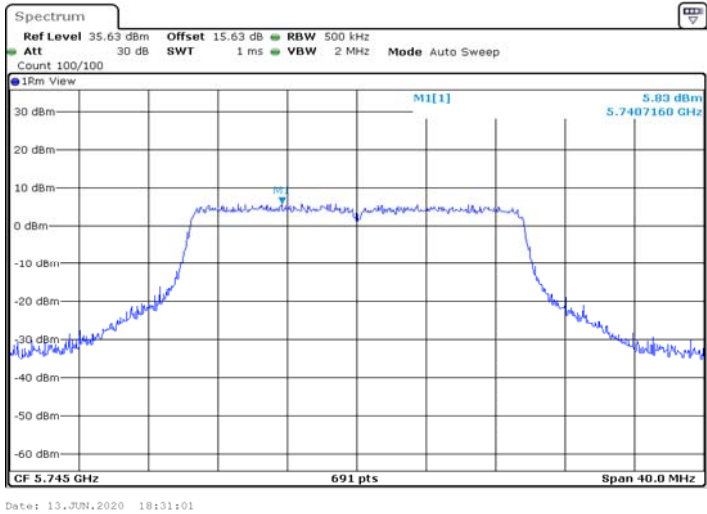
11ax20MIMO\_Ant2\_5720\_UNII-3



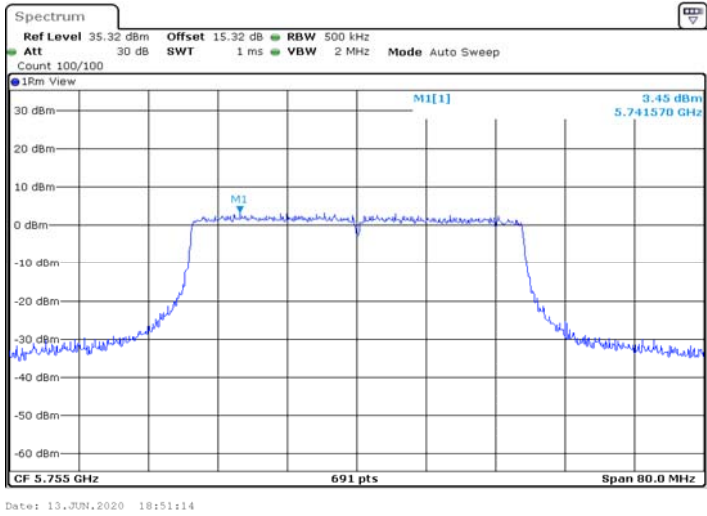
11ax20MIMO\_Ant1\_5745



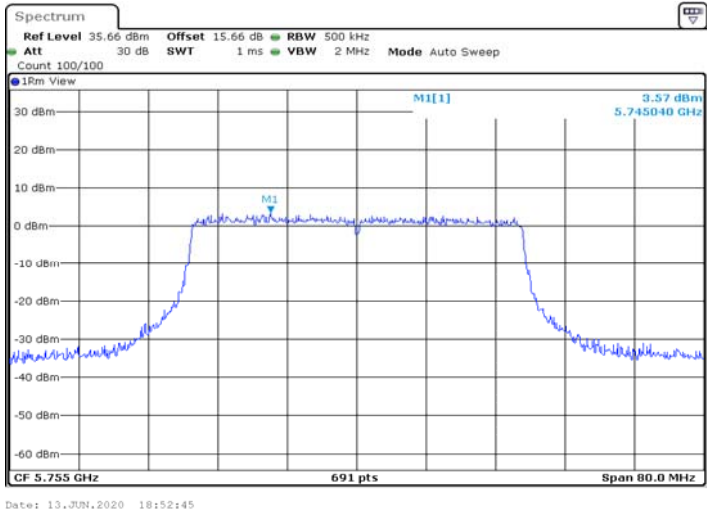
11ax20MIMO\_Ant2\_5745



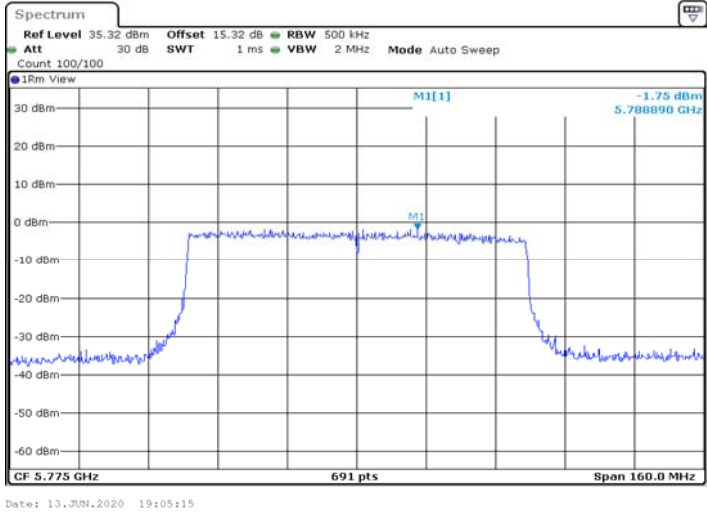
11ax40MIMO\_Ant1\_5755



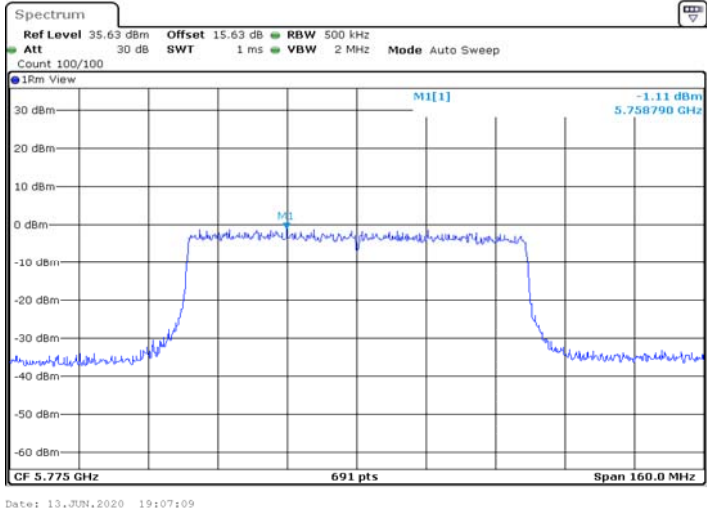
11ax40MIMO\_Ant2\_5755



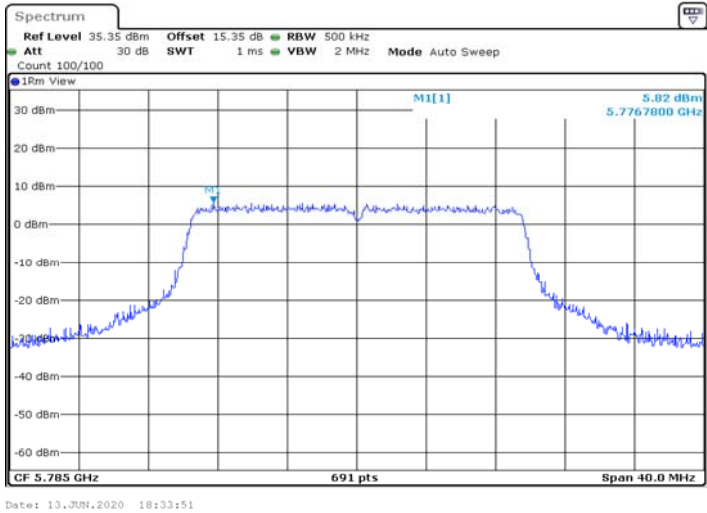
11ax80MIMO\_Ant1\_5775



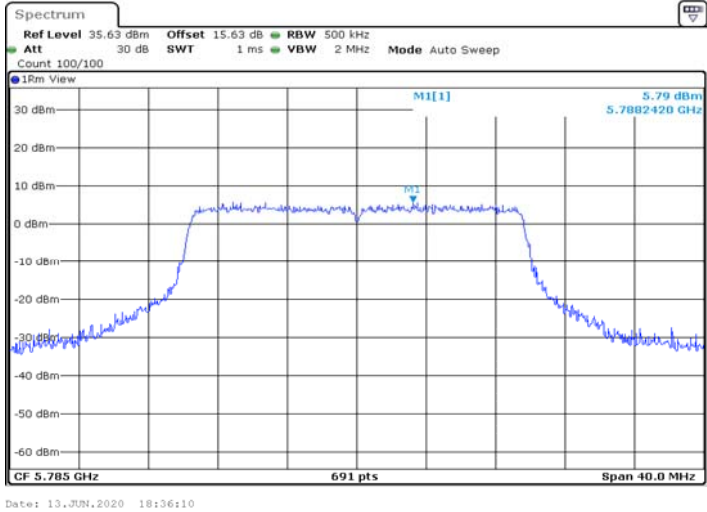
11ax80MIMO\_Ant2\_5775



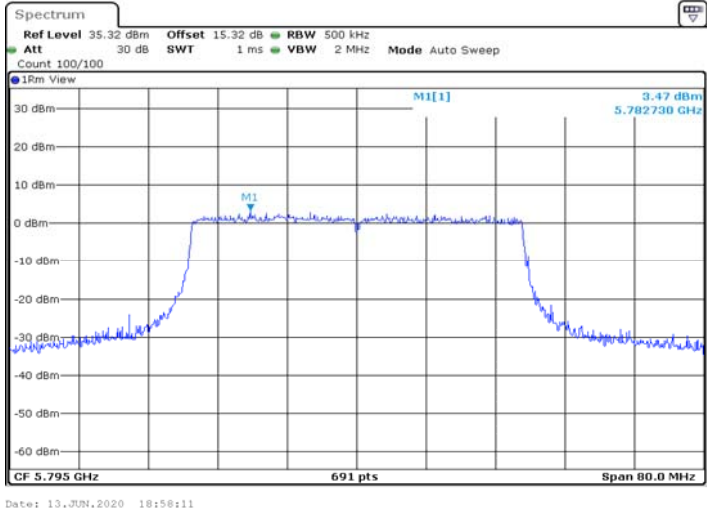
11ax20MIMO\_Ant1\_5785



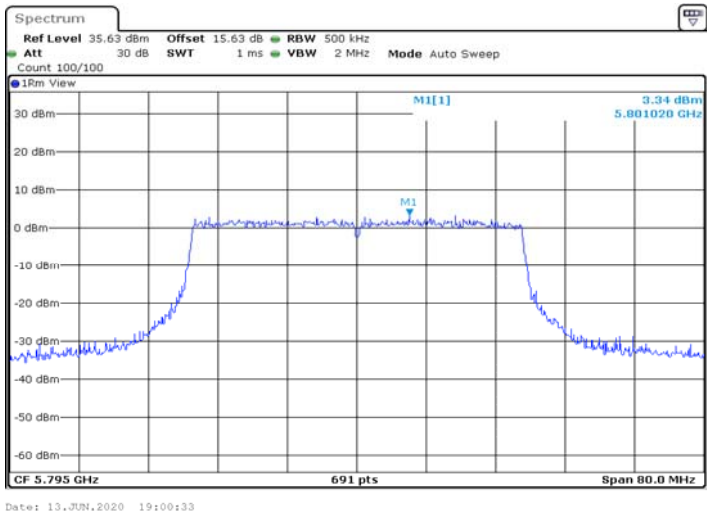
11ax20MIMO\_Ant2\_5785



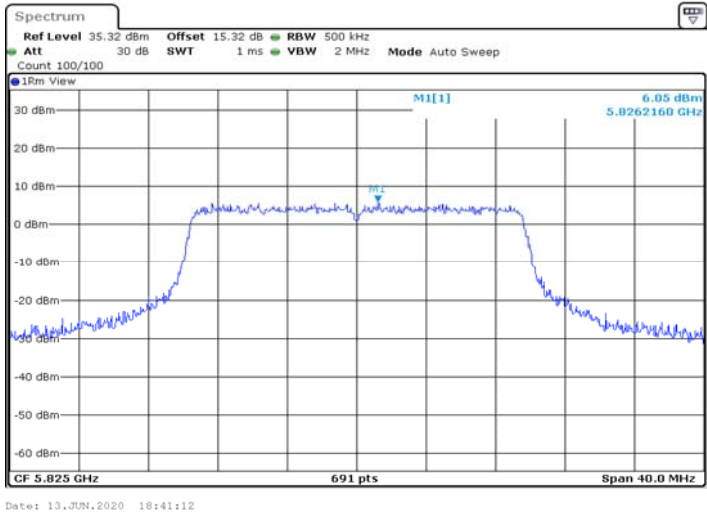
11ax40MIMO\_Ant1\_5795



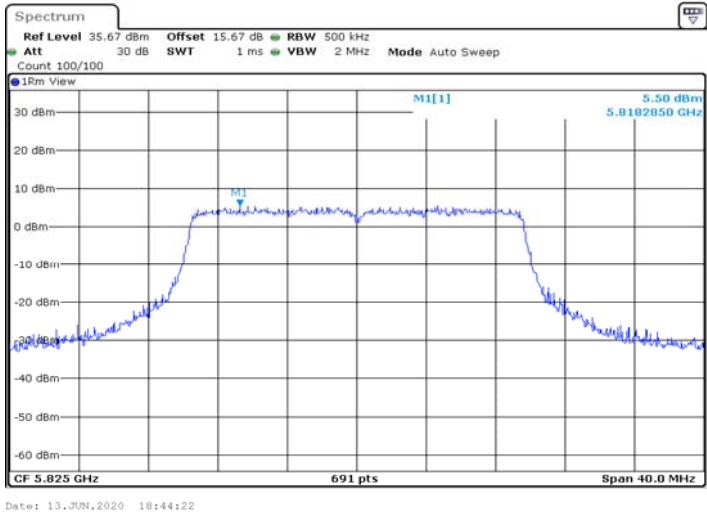
11ax40MIMO\_Ant2\_5795



11ax20MIMO\_Ant1\_5825



11ax20MIMO\_Ant2\_5825



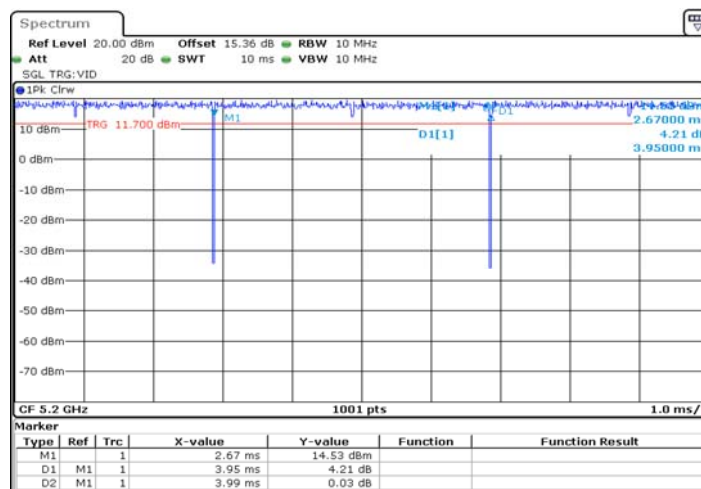
## AppendixH: DutyCycle

### Test Result

| TestMode   | Antenna | Channel | TransmissionDuration<br>[ms] | Transmission<br>Period<br>[ms] | Duty Cycle<br>[%] |
|------------|---------|---------|------------------------------|--------------------------------|-------------------|
| 11a        | Ant1    | 5200    | 3.95                         | 3.99                           | 99.00             |
|            | Ant1    | 5280    | 1.96                         | 2.00                           | 98.00             |
|            | Ant1    | 5600    | 3.95                         | 3.99                           | 99.00             |
|            | Ant1    | 5785    | 3.95                         | 3.99                           | 99.00             |
| 11N20MIMO  | Ant1    | 5200    | 3.95                         | 3.99                           | 99.00             |
|            | Ant1    | 5280    | 5.41                         | 5.45                           | 99.27             |
|            | Ant1    | 5600    | 5.41                         | 5.45                           | 99.27             |
|            | Ant1    | 5785    | 5.41                         | 5.45                           | 99.27             |
| 11N40MIMO  | Ant1    | 5190    | 30.00                        | 30.00                          | 100.00            |
|            | Ant1    | 5270    | 5.41                         | 5.45                           | 99.27             |
|            | Ant1    | 5550    | 30.00                        | 30.00                          | 100.00            |
|            | Ant1    | 5755    | 5.41                         | 5.45                           | 99.27             |
| 11ac20MIMO | Ant1    | 5200    | 5.41                         | 5.45                           | 99.27             |
|            | Ant1    | 5280    | 30.00                        | 30.00                          | 100.00            |
|            | Ant1    | 5600    | 5.41                         | 5.45                           | 99.27             |
|            | Ant1    | 5785    | 30.00                        | 30.00                          | 100.00            |
| 11ac40MIMO | Ant1    | 5190    | 5.41                         | 5.45                           | 99.27             |
|            | Ant1    | 5270    | 5.41                         | 5.45                           | 99.27             |
|            | Ant1    | 5550    | 5.41                         | 5.45                           | 99.27             |
|            | Ant1    | 5755    | 30.00                        | 30.00                          | 100.00            |
| 11ac80MIMO | Ant1    | 5210    | 5.41                         | 5.45                           | 99.27             |
|            | Ant1    | 5290    | 30.00                        | 30.00                          | 100.00            |
|            | Ant1    | 5610    | 5.41                         | 5.45                           | 99.27             |
|            | Ant1    | 5775    | 30.00                        | 30.00                          | 100.00            |
| 11ax40MIMO | Ant1    | 5190    | 30.00                        | 30.00                          | 100.00            |
| 11ax20MIMO | Ant1    | 5200    | 5.43                         | 5.47                           | 99.27             |
| 11ax80MIMO | Ant1    | 5210    | 5.41                         | 5.45                           | 99.27             |
| 11ax40MIMO | Ant1    | 5270    | 5.43                         | 5.47                           | 99.27             |
| 11ax20MIMO | Ant1    | 5280    | 30.00                        | 30.00                          | 100.00            |
| 11ax80MIMO | Ant1    | 5290    | 30.00                        | 30.00                          | 100.00            |
| 11ax40MIMO | Ant1    | 5550    | 30.00                        | 30.00                          | 100.00            |
| 11ax20MIMO | Ant1    | 5600    | 5.43                         | 5.47                           | 99.27             |
| 11ax80MIMO | Ant1    | 5610    | 30.00                        | 30.00                          | 100.00            |
| 11ax80MIMO | Ant1    | 5775    | 30.00                        | 30.00                          | 100.00            |
| 11ax20MIMO | Ant1    | 5785    | 5.43                         | 5.47                           | 99.27             |
| 11ax40MIMO | Ant1    | 5795    | 30.00                        | 30.00                          | 100.00            |

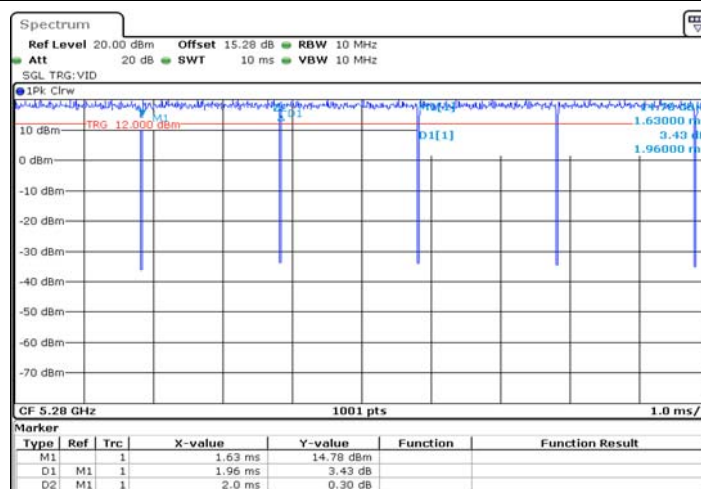
## Test Graphs

11a\_Ant1\_5200



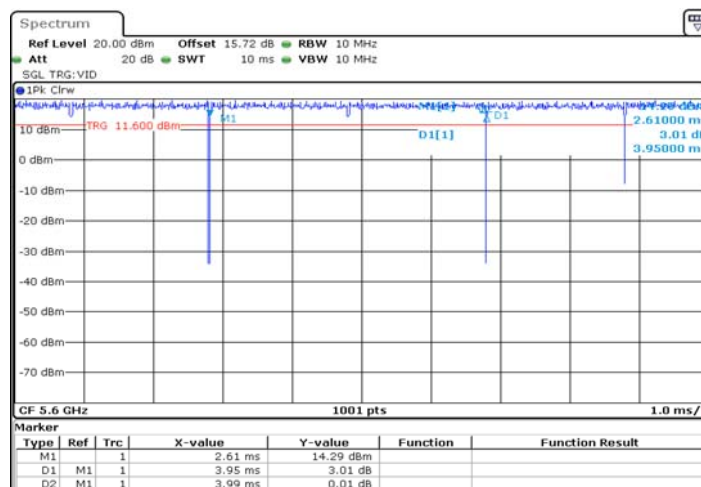
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11a\_Ant1\_5280



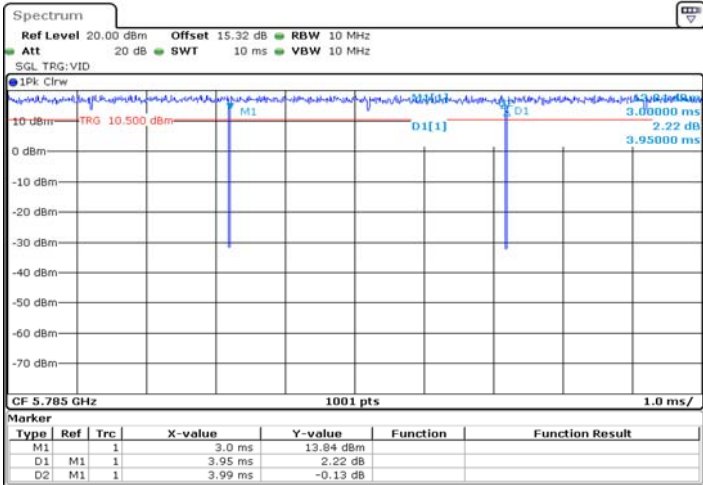
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11a\_Ant1\_5600



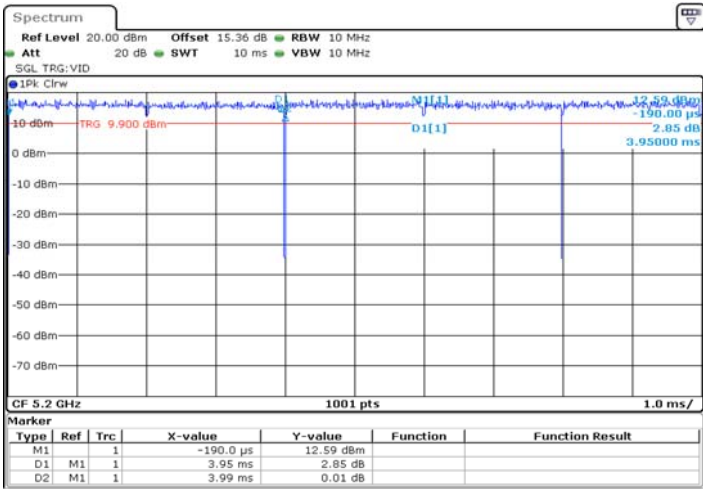
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11a\_Ant1\_5785



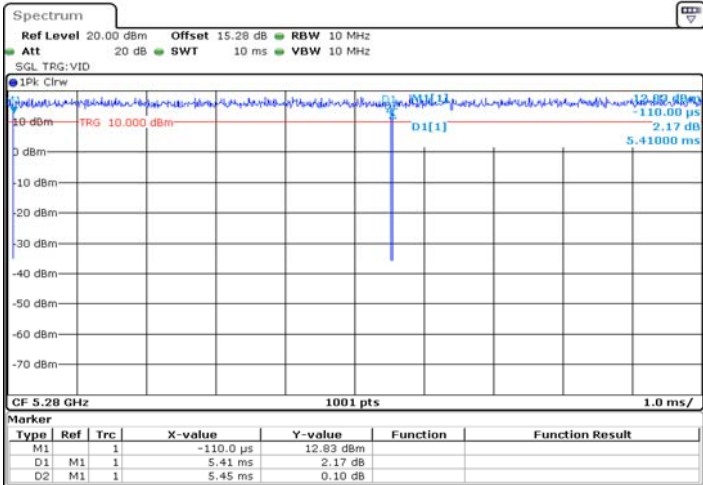
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11N20MIMO\_Ant1\_5200



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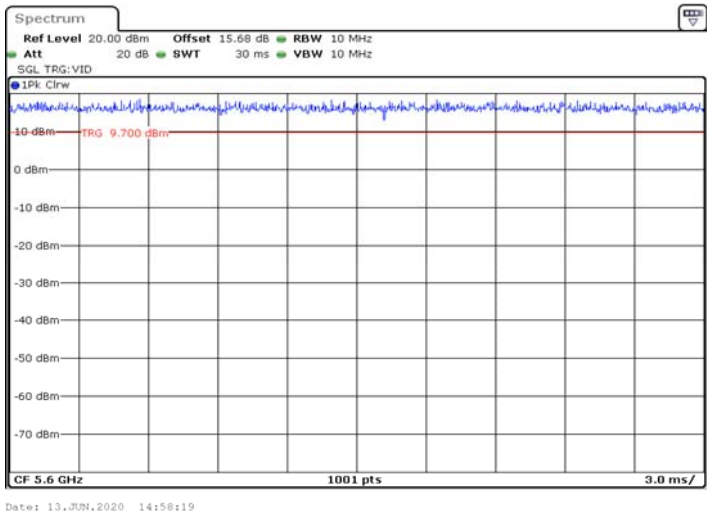
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Date: 13.JUN.2020 11:57:51

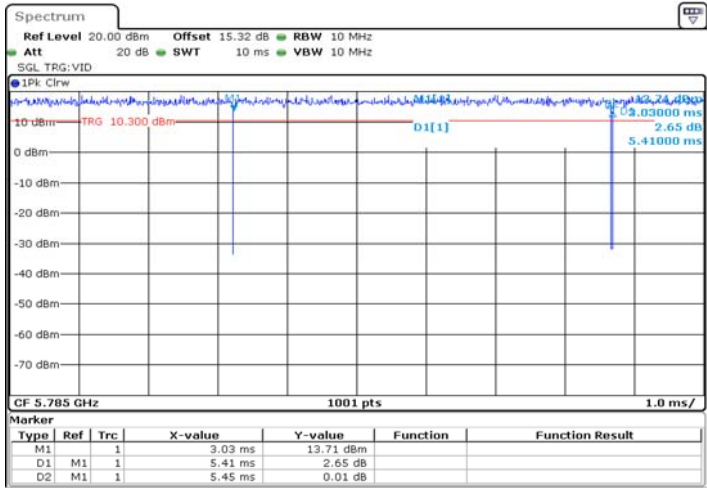


11N20MIMO\_Ant2\_5600



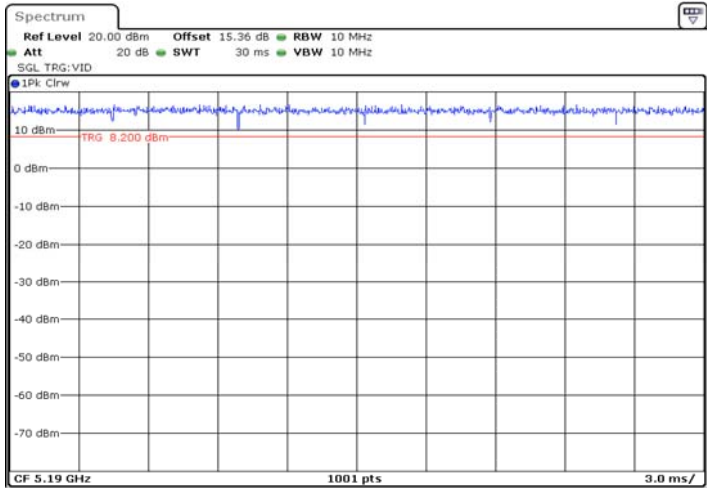
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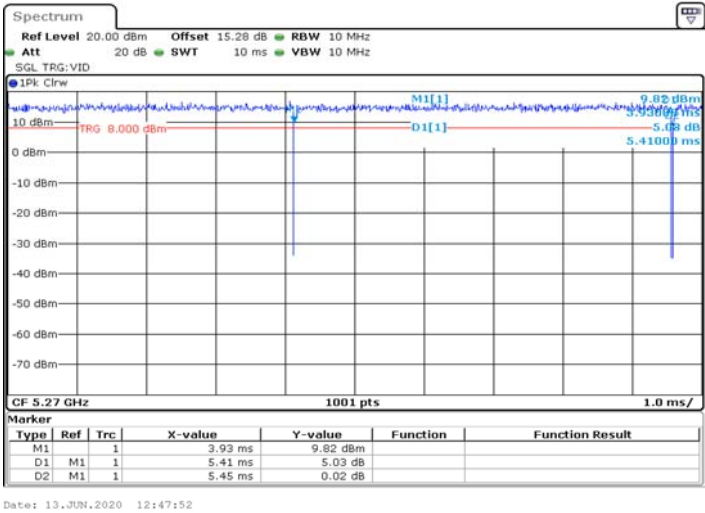
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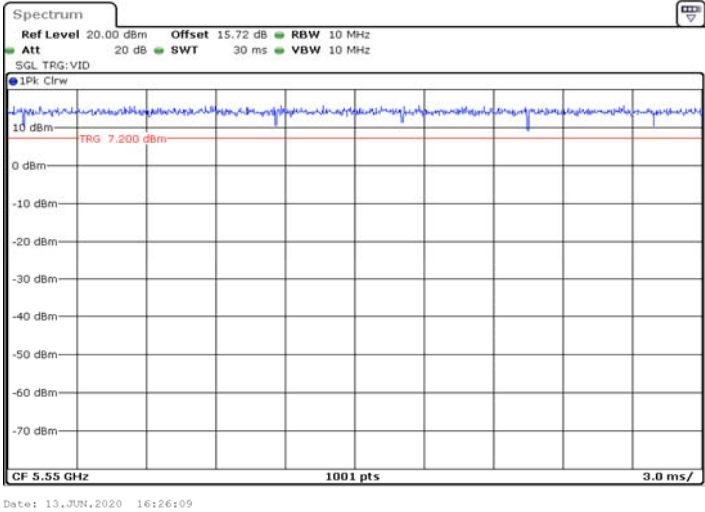


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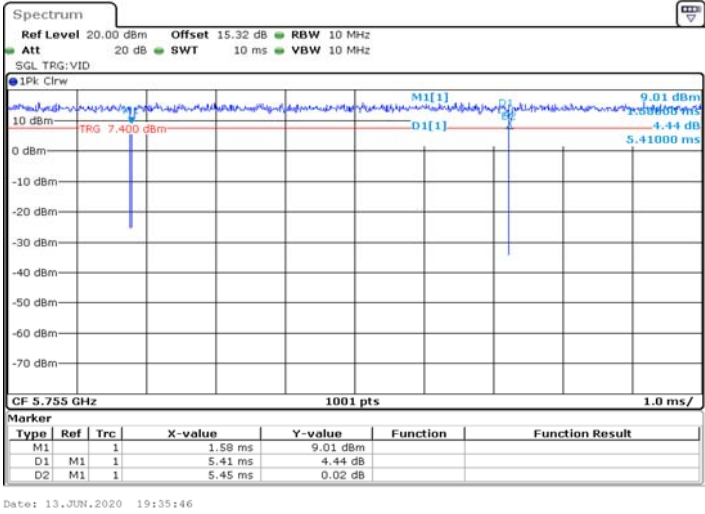
11N40MIMO\_Ant1\_5270



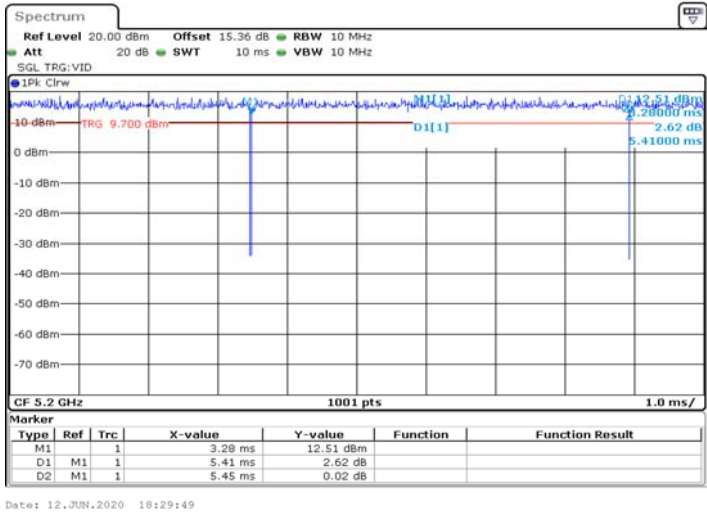
11N40MIMO\_Ant1\_5550



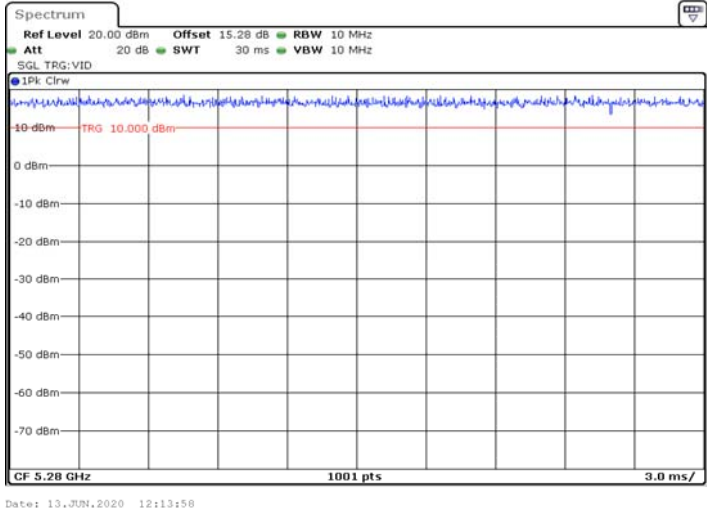
11N40MIMO\_Ant1\_5755



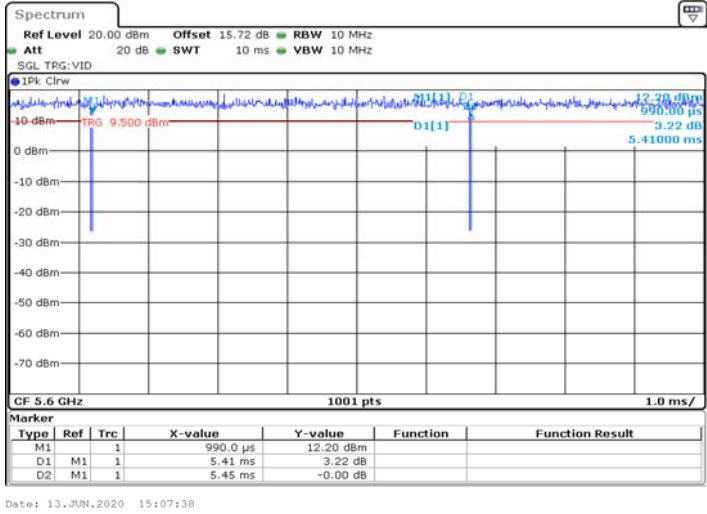
11ac20MIMO\_Ant1\_5200



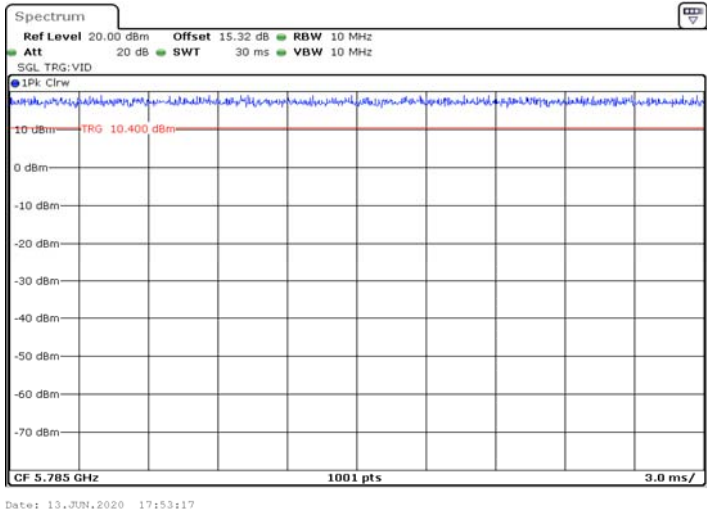
11ac20MIMO\_Ant1\_5280



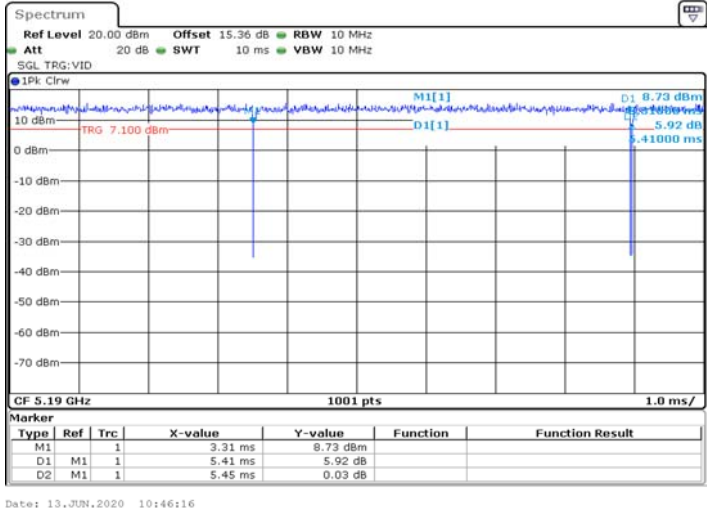
11ac20MIMO\_Ant1\_5600



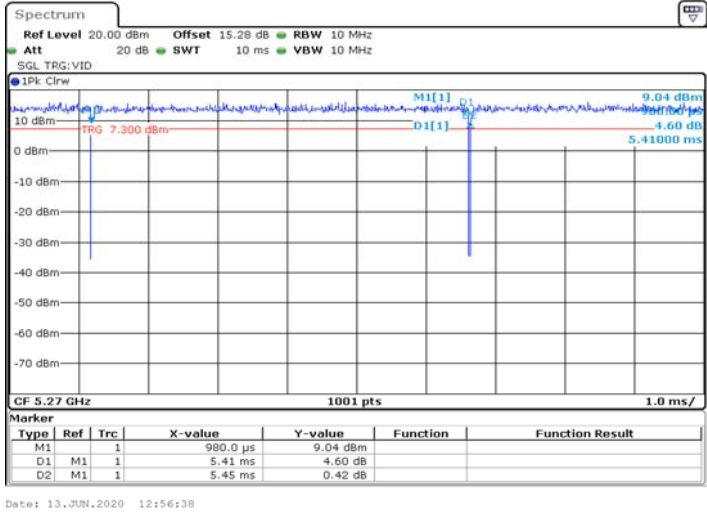
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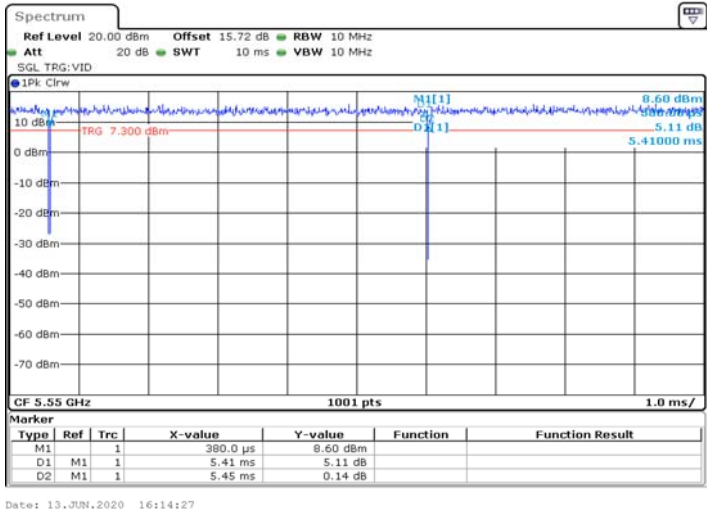
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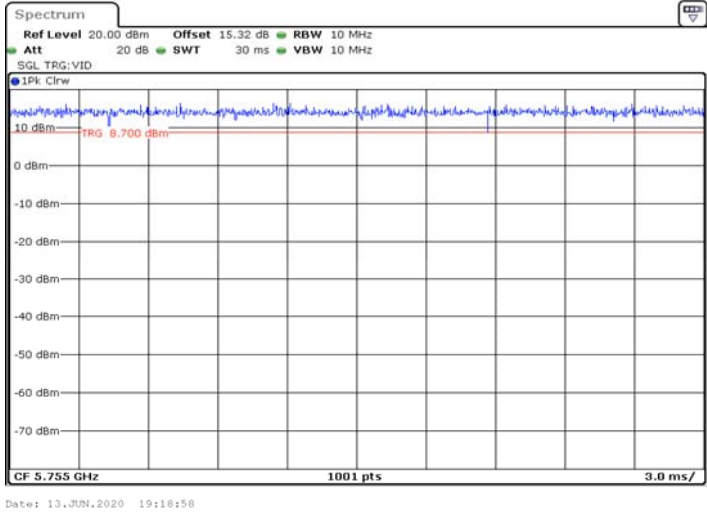
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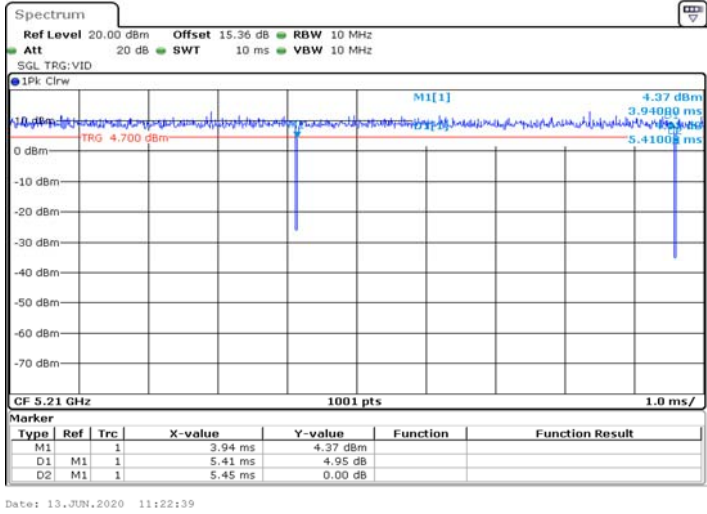
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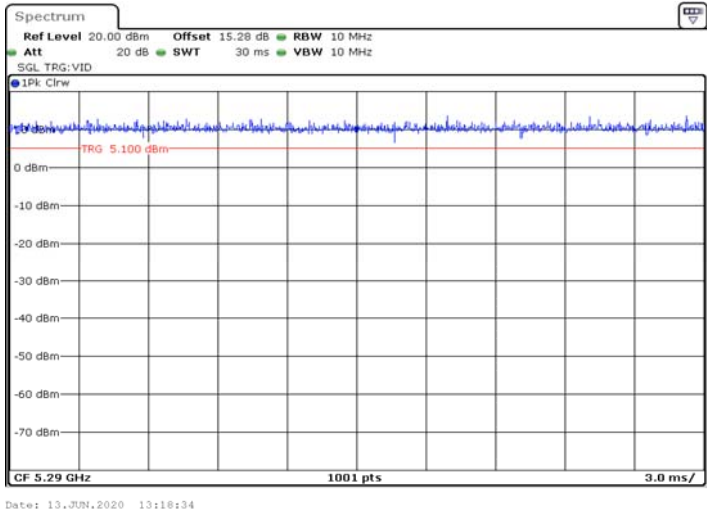
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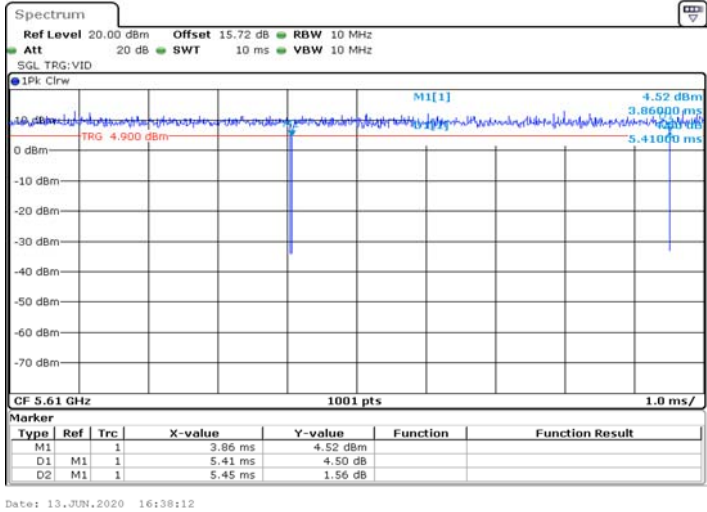
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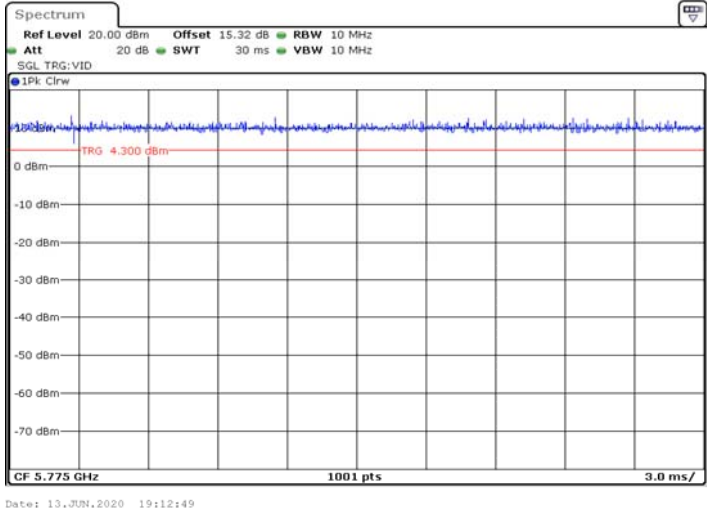
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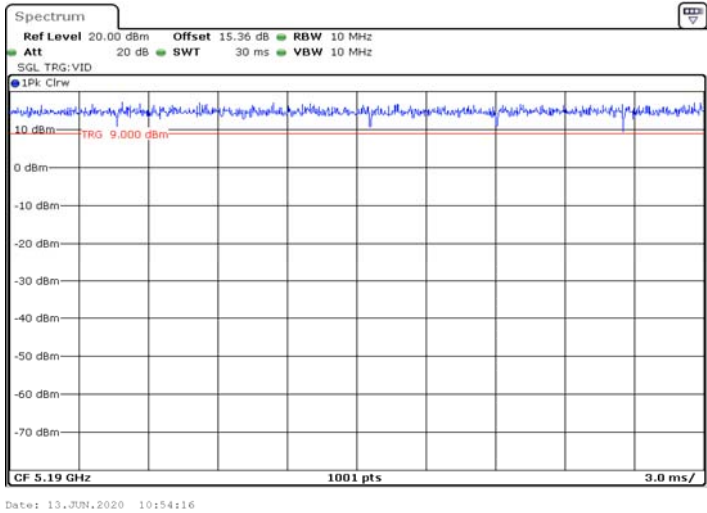
11ac80MIMO\_Ant1\_5610



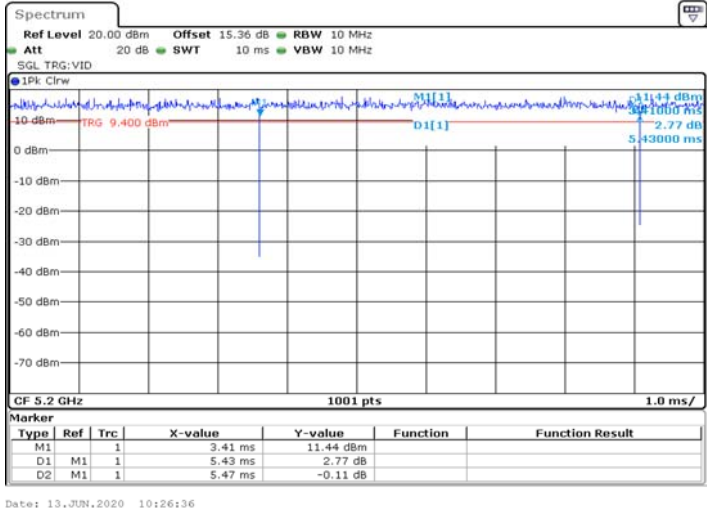
11ac80MIMO\_Ant1\_5775



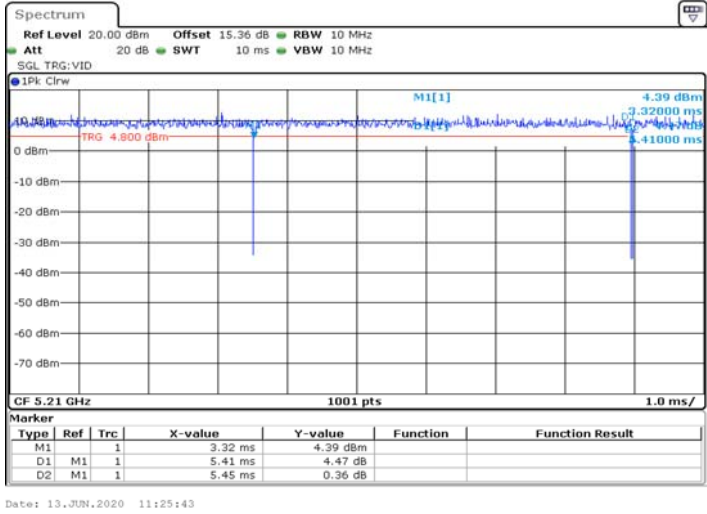
11ax40MIMO\_Ant1\_5190



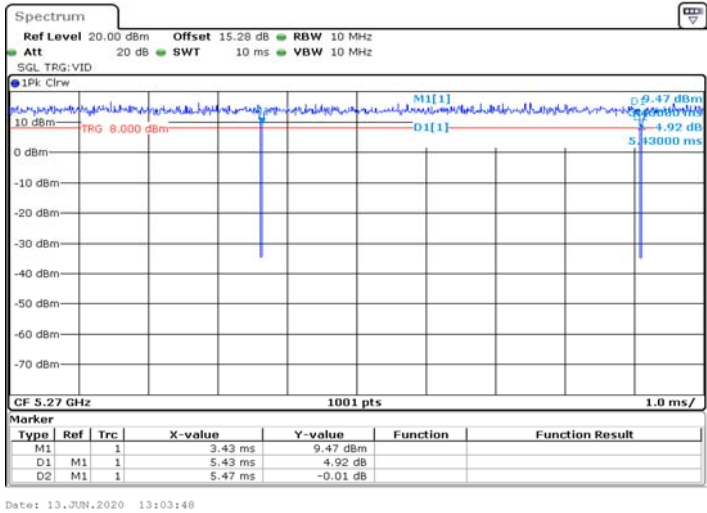
11ax20MIMO\_Ant1\_5200



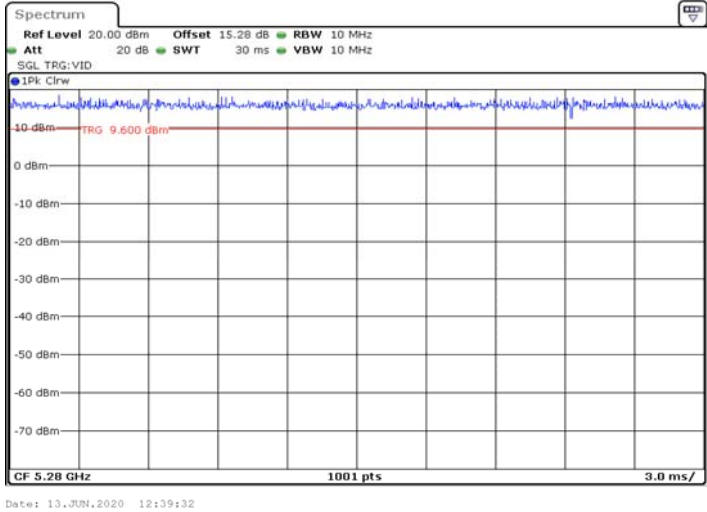
11ax80MIMO\_Ant1\_5210



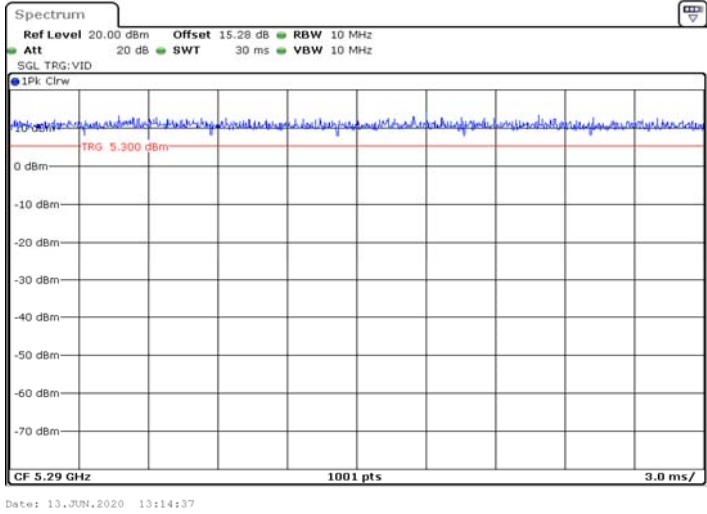
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11ax20MIMO\_Ant1\_5280

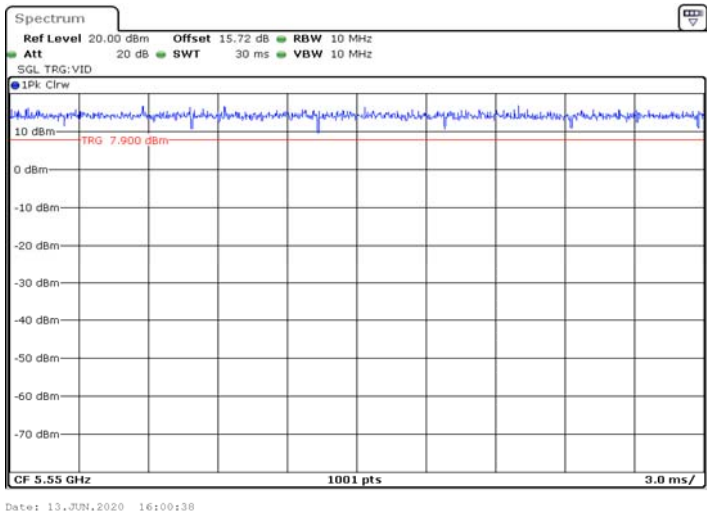


11ax80MIMO\_Ant1\_5290

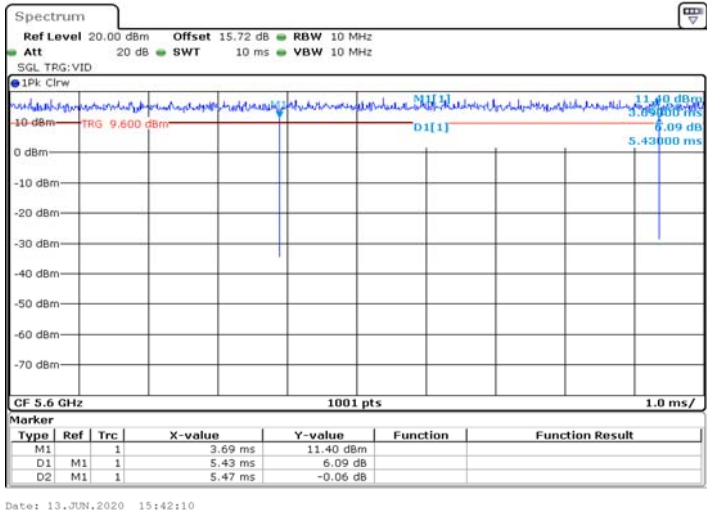




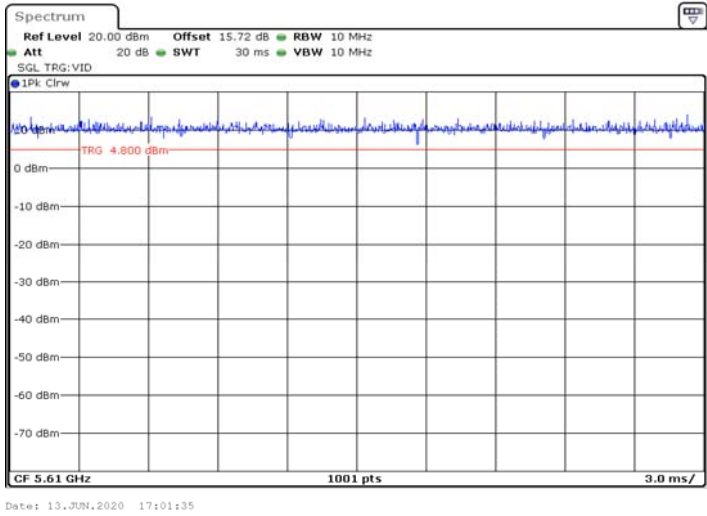
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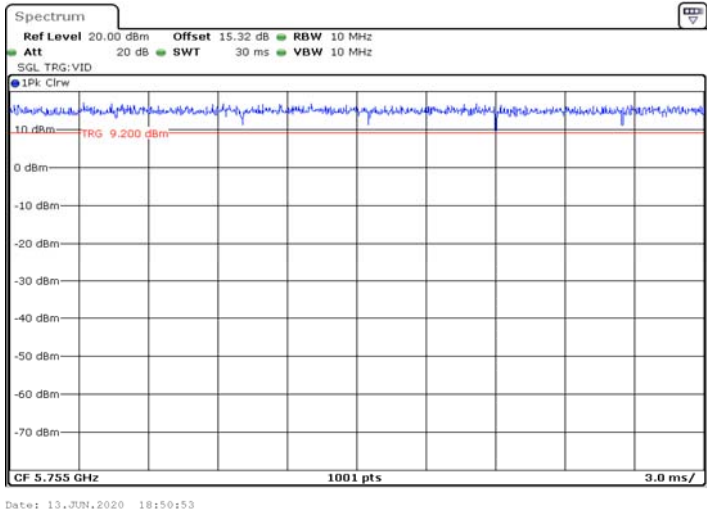
11ax20MIMO\_Ant1\_5600



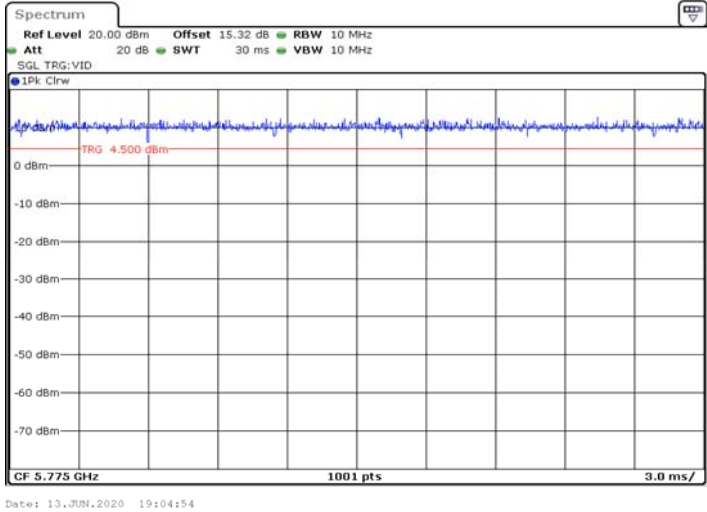
11ax80MIMO\_Ant1\_5610



11ax40MIMO\_Ant1\_5755



11ax80MIMO\_Ant1\_5775



11ax20MIMO\_Ant1\_5785

