

## A.3 EMISSION/OCCUPIED BANDWIDTH

|              |                               |            |                      |
|--------------|-------------------------------|------------|----------------------|
| Test Date    | 2022/03/21 ~ 22               | Temp./Hum. | 22 ~ 23°C / 62 ~ 66% |
| Cable Loss   | 1.0dB                         | Tested By  | Hua Wu               |
| Test Voltage | AC 120V 60Hz (Via AC Adapter) |            |                      |

### A.3.1 Emission/Occupied Bandwidth Result

| Mode         | U-NII Band | Centre Frequency (MHz) | Emission (26dB) Bandwidth (MHz) | Occupied (99%) Bandwidth (MHz) (Reference only) | Limit          |
|--------------|------------|------------------------|---------------------------------|-------------------------------------------------|----------------|
| 802.11a      | 1          | 5180                   | 22.73                           | 16.587                                          | Reference only |
|              |            | 5200                   | 21.23                           | 16.437                                          |                |
|              |            | 5240                   | 21.67                           | 16.455                                          |                |
|              | 2A         | 5260                   | 21.73                           | 16.445                                          |                |
|              |            | 5300                   | 22.25                           | 16.452                                          |                |
|              |            | 5320                   | 21.87                           | 16.470                                          |                |
|              | 2C         | 5500                   | 22.39                           | 16.499                                          |                |
|              |            | 5580                   | 21.23                           | 16.440                                          |                |
|              |            | 5700                   | 21.39                           | 16.439                                          |                |
|              |            | 5720                   | 21.48                           | 16.406                                          |                |
| 802.11n-HT20 | 1          | 5180                   | 21.80                           | 17.672                                          | Reference only |
|              |            | 5200                   | 23.77                           | 17.669                                          |                |
|              |            | 5240                   | 22.35                           | 17.715                                          |                |
|              | 2A         | 5260                   | 23.14                           | 17.672                                          |                |
|              |            | 5300                   | 23.25                           | 17.696                                          |                |
|              |            | 5320                   | 21.77                           | 17.655                                          |                |
|              | 2C         | 5500                   | 22.75                           | 17.667                                          |                |
|              |            | 5580                   | 21.78                           | 17.627                                          |                |
|              |            | 5700                   | 22.76                           | 17.680                                          |                |
|              |            | 5720                   | 22.44                           | 17.637                                          |                |

| Mode            | U-NII Band | Centre Frequency (MHz) | Emission (26dB) Bandwidth (MHz) | Occupied (99%) Bandwidth (MHz) (Reference only) | Limit          |
|-----------------|------------|------------------------|---------------------------------|-------------------------------------------------|----------------|
| 802.11n-HT40    | 1          | 5190                   | 42.06                           | 35.932                                          | Reference only |
|                 |            | 5230                   | 41.09                           | 35.988                                          |                |
|                 | 2A         | 5270                   | 41.57                           | 36.005                                          |                |
|                 |            | 5310                   | 41.36                           | 35.982                                          |                |
|                 | 2C         | 5510                   | 41.02                           | 35.972                                          |                |
|                 |            | 5550                   | 40.57                           | 35.989                                          |                |
|                 |            | 5670                   | 40.44                           | 36.007                                          |                |
|                 |            | 5710                   | 41.43                           | 35.993                                          |                |
| 802.11ac-VHT80  | 1          | 5210                   | 83.79                           | 75.112                                          | Reference only |
|                 | 2A         | 5290                   | 83.99                           | 75.017                                          |                |
|                 | 2C         | 5530                   | 84.61                           | 75.141                                          |                |
|                 |            | 5610                   | 83.76                           | 75.131                                          |                |
|                 |            | 5690                   | 83.89                           | 75.022                                          |                |
| 802.11ac-VHT160 | 1          | 5250                   | 161.80                          | 153.52                                          | Reference only |
|                 | 2A         |                        |                                 |                                                 |                |
|                 | 2C         | 5570                   | 162.80                          | 153.39                                          |                |

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|----------------|------------|------------------------|---------------------------------|-------------------------------------------------|----------------|
| 802.11ax-HE20  | 1          | 5180                   | 23.26                           | 18.891                                          | Reference only |
|                |            | 5200                   | 23.34                           | 18.907                                          |                |
|                |            | 5240                   | 21.99                           | 18.897                                          |                |
|                | 2A         | 5260                   | 22.80                           | 18.903                                          |                |
|                |            | 5300                   | 22.56                           | 18.852                                          |                |
|                |            | 5320                   | 22.21                           | 18.825                                          |                |
|                | 2C         | 5500                   | 22.19                           | 18.855                                          |                |
|                |            | 5580                   | 22.47                           | 18.858                                          |                |
|                |            | 5700                   | 21.70                           | 18.870                                          |                |
|                |            | 5720                   | 22.66                           | 18.861                                          |                |
| 802.11ax-HE40  | 1          | 5190                   | 41.93                           | 37.416                                          | Reference only |
|                |            | 5230                   | 40.65                           | 37.540                                          |                |
|                | 2A         | 5270                   | 41.12                           | 37.555                                          |                |
|                |            | 5310                   | 40.55                           | 37.558                                          |                |
|                | 2C         | 5510                   | 41.04                           | 37.472                                          |                |
|                |            | 5550                   | 41.25                           | 37.439                                          |                |
|                |            | 5670                   | 41.01                           | 37.329                                          |                |
|                |            | 5710                   | 41.55                           | 37.470                                          |                |
| 802.11ax-HE80  | 1          | 5210                   | 80.67                           | 76.669                                          | Reference only |
|                | 2A         | 5290                   | 81.23                           | 76.633                                          |                |
|                | 2C         | 5530                   | 81.49                           | 76.778                                          |                |
|                |            | 5610                   | 81.70                           | 76.671                                          |                |
|                |            | 5690                   | 81.71                           | 76.469                                          |                |
|                |            |                        |                                 |                                                 |                |
| 802.11ax-HE160 | 1          | 5250                   | 161.70                          | 154.81                                          | Reference only |
|                | 2A         |                        |                                 |                                                 |                |
|                | 2C         | 5570                   | 161.90                          | 154.89                                          |                |

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|----------------|------------|------------------------|------------------|---------------------------------|-------------------------------------------------|----------------|
| 802.11ax-HE20  | 1          | 5180                   | 26/0             | 20.30                           | 18.563                                          | Reference only |
|                |            |                        | 52/37            | 20.53                           | 18.442                                          |                |
|                |            |                        | 106/53           | 21.36                           | 18.117                                          |                |
|                | 2A         | 5320                   | 26/8             | 20.16                           | 18.196                                          |                |
|                |            |                        | 52/40            | 21.46                           | 18.212                                          |                |
|                |            |                        | 106/54           | 22.63                           | 18.166                                          |                |
|                | 2C         | 5500                   | 26/0             | 20.37                           | 18.568                                          |                |
|                |            |                        | 52/37            | 21.06                           | 18.250                                          |                |
|                |            |                        | 106/53           | 22.34                           | 18.323                                          |                |
|                |            | 5700                   | 26/8             | 20.28                           | 18.110                                          |                |
|                |            |                        | 52/40            | 21.13                           | 18.329                                          |                |
|                |            |                        | 106/54           | 22.15                           | 17.514                                          |                |
| 802.11ax-HE40  | 1          | 5190                   | 242/61           | 23.22                           | 18.714                                          | Reference only |
|                | 2A         | 5310                   | 242/62           | 23.25                           | 18.727                                          |                |
|                | 2C         | 5510                   | 242/61           | 22.40                           | 18.729                                          |                |
|                |            | 5670                   | 242/62           | 22.67                           | 18.652                                          |                |
| 802.11ax-HE80  | 1          | 5210                   | 484/65           | 41.24                           | 37.271                                          | Reference only |
|                | 2A         | 5290                   | 484/66           | 40.82                           | 37.376                                          |                |
|                | 2C         | 5530                   | 484/65           | 41.61                           | 37.323                                          |                |
|                |            | 5610                   | 484/66           | 40.70                           | 37.260                                          |                |
| 802.11ax-HE160 | 1/2A       | 5250                   | 996/67           | 83.21                           | 77.217                                          | Reference only |
|                |            |                        | 996/S67          | 82.17                           | 77.261                                          |                |
|                | 2C         | 5570                   | 996/67           | 83.66                           | 77.044                                          |                |
|                |            |                        | 996/S67          | 83.89                           | 77.038                                          |                |

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| Mode           | U-NII Band | Centre Frequency (MHz) | Emission (6dB) Bandwidth (MHz) | Occupied (99%) Bandwidth (MHz) (Reference only) | Limit    |
|----------------|------------|------------------------|--------------------------------|-------------------------------------------------|----------|
| 802.11a        | 3          | 5745                   | 15.13                          | 16.405                                          | ≥ 500kHz |
|                |            | 5785                   | 15.13                          | 16.380                                          |          |
|                |            | 5825                   | 15.11                          | 16.364                                          |          |
| 802.11n-HT20   | 3          | 5745                   | 17.58                          | 17.625                                          |          |
|                |            | 5785                   | 17.60                          | 17.621                                          |          |
|                |            | 5825                   | 13.15                          | 17.612                                          |          |
| 802.11n-HT40   | 3          | 5755                   | 36.25                          | 35.981                                          |          |
|                |            | 5795                   | 33.38                          | 36.008                                          |          |
| 802.11ac-VHT80 | 3          | 5775                   | 60.40                          | 75.022                                          |          |
| 802.11ax-HE20  | 3          | 5745                   | 16.01                          | 18.850                                          |          |
|                |            | 5785                   | 17.99                          | 18.907                                          |          |
|                |            | 5825                   | 18.44                          | 18.881                                          |          |
| 802.11ax-HE40  | 3          | 5755                   | 32.94                          | 37.456                                          |          |
|                |            | 5795                   | 36.02                          | 37.444                                          |          |
| 802.11ax-HE80  | 3          | 5775                   | 60.04                          | 76.475                                          |          |

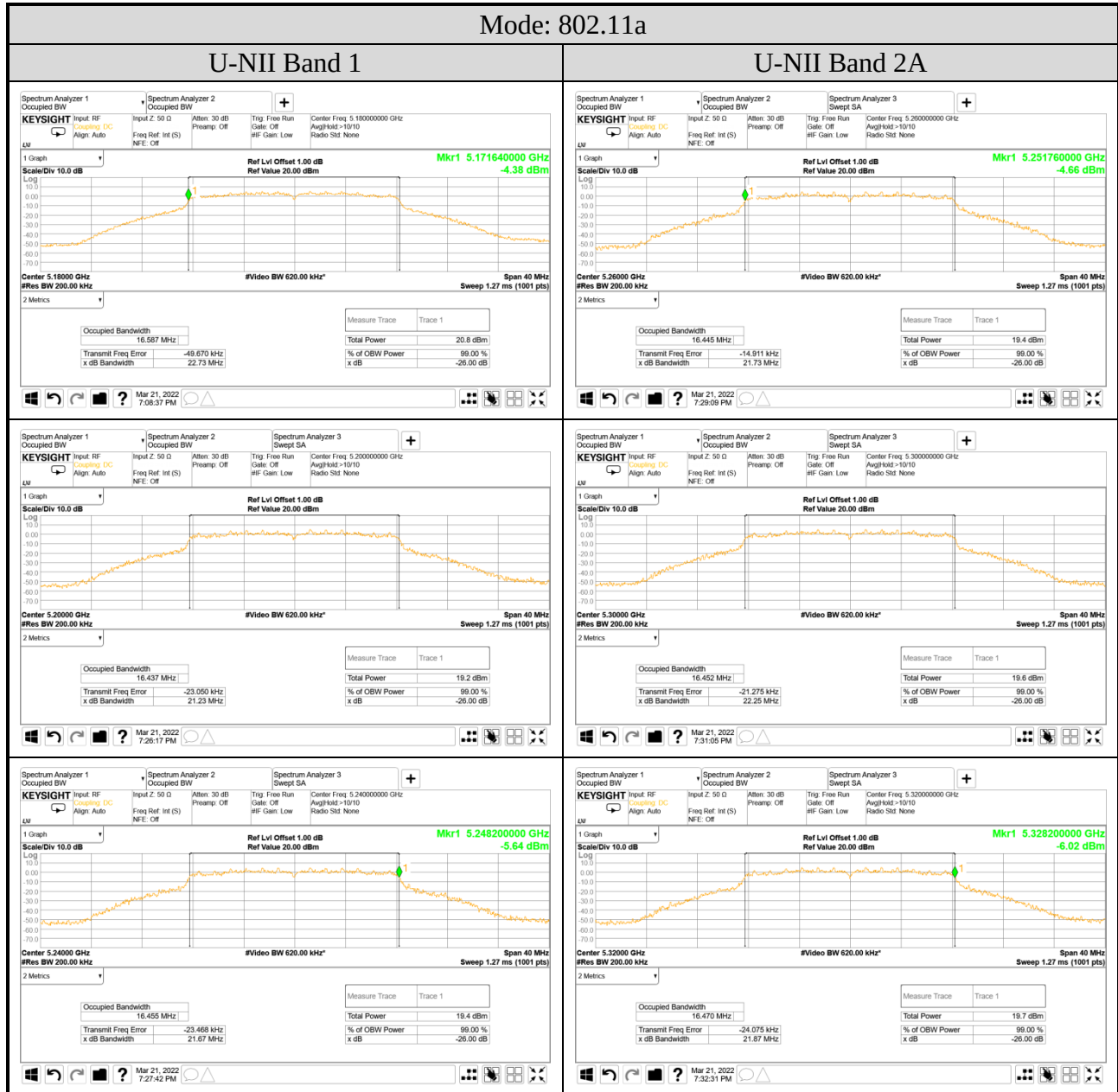
| Mode          | U-NII Band | Centre Frequency (MHz) | RU Configuration | Emission (6dB) Bandwidth (MHz) | Occupied (99%) Bandwidth (MHz) (Reference only) | Limit    |
|---------------|------------|------------------------|------------------|--------------------------------|-------------------------------------------------|----------|
| 802.11ax-HE20 | 3          | 5745                   | 26/0             | 2.014                          | 18.168                                          | ≥ 500kHz |
|               |            |                        | 52/37            | 13.27                          | 18.293                                          |          |
|               |            |                        | 106/53           | 17.15                          | 18.046                                          |          |
|               | 3          | 5825                   | 26/8             | 14.51                          | 18.349                                          |          |
|               |            |                        | 52/40            | 17.04                          | 18.166                                          |          |
|               |            |                        | 106/54           | 17.12                          | 18.082                                          |          |
| 802.11ax-HE40 | 3          | 5755                   | 242/61           | 17.22                          | 18.634                                          |          |
|               | 3          | 5795                   | 242/62           | 15.17                          | 18.654                                          |          |
| 802.11ax-HE80 | 3          | 5775                   | 484/65           | 34.76                          | 37.030                                          |          |
|               |            |                        | 484/66           | 34.00                          | 37.128                                          |          |

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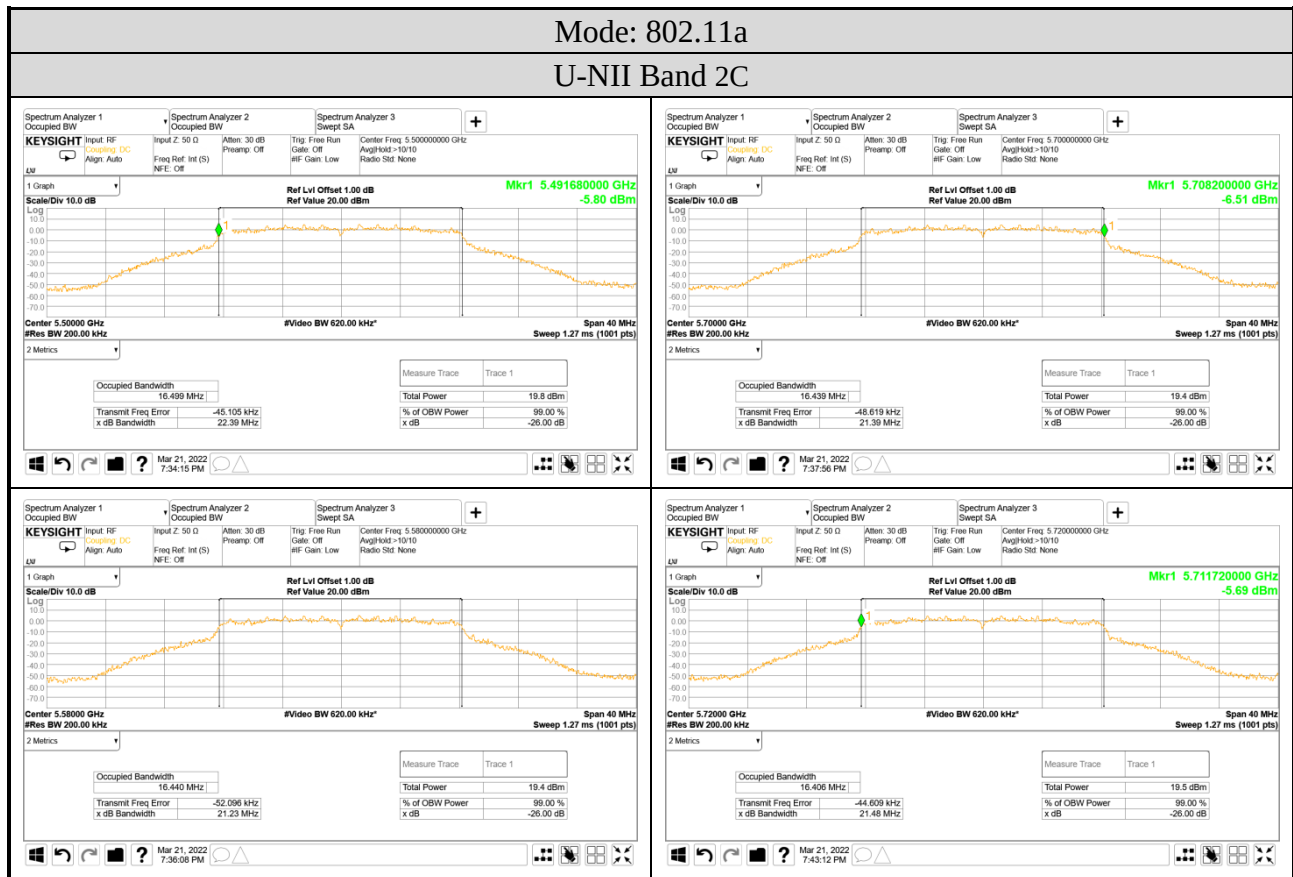
### A.3.2 Measurement Plots

- Emission (26dB) Bandwidth



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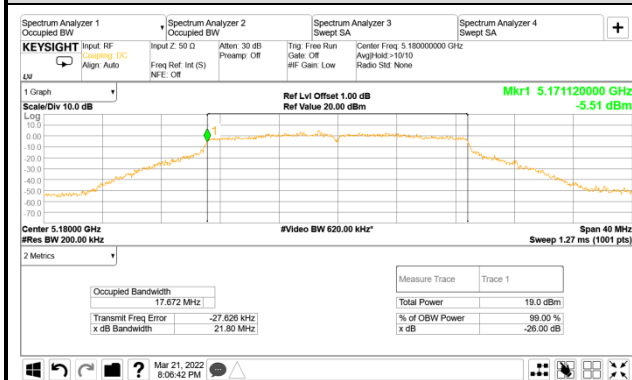


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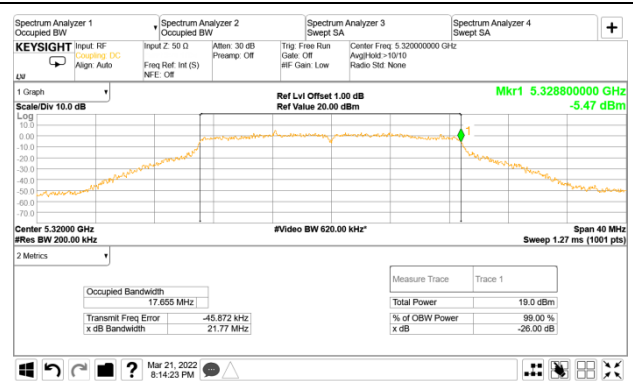
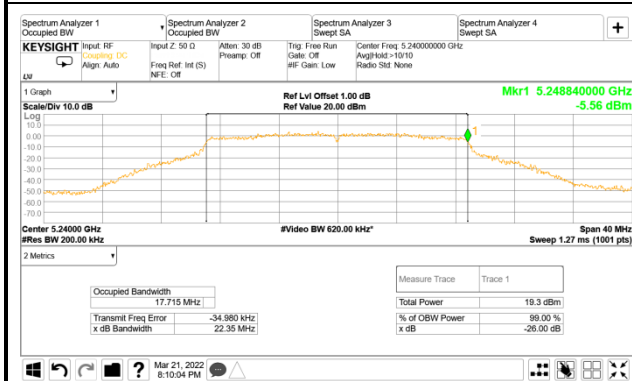
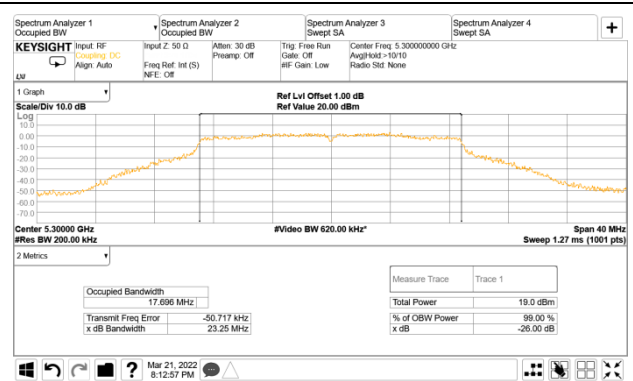
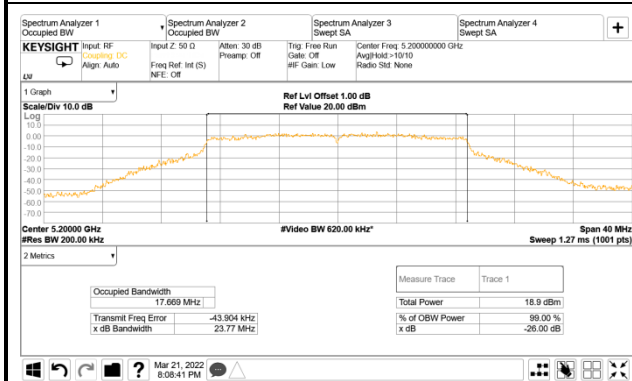
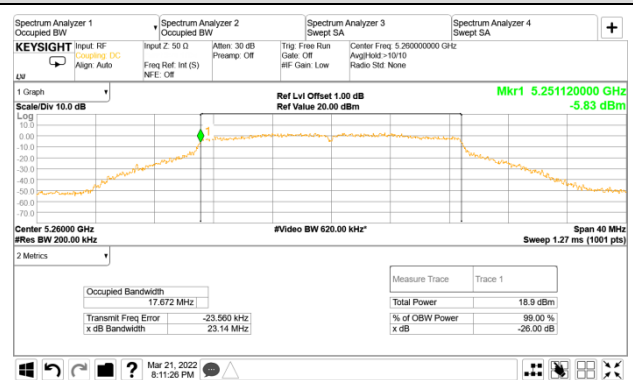
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Mode: 802.11n-HT20

### U-NII Band I



### U-NII Band 2A

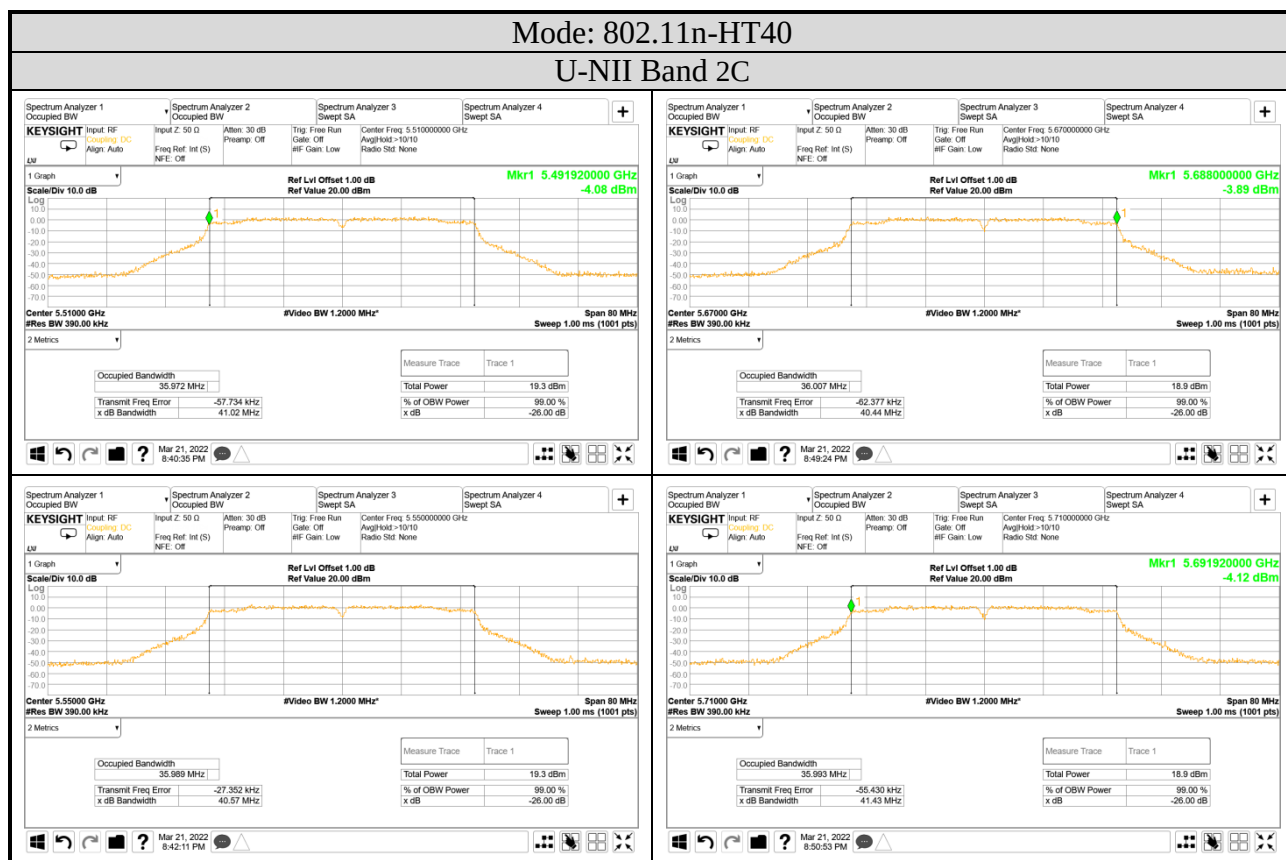
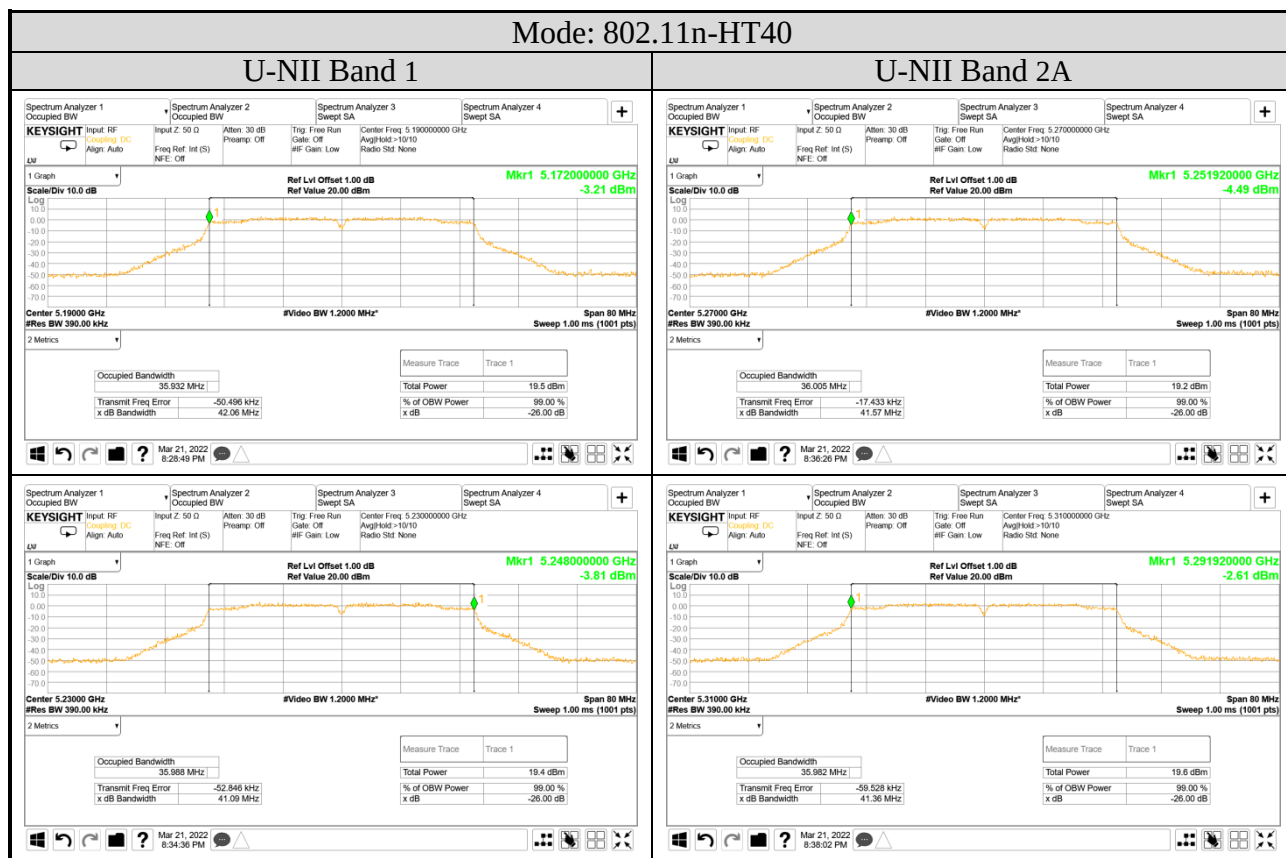




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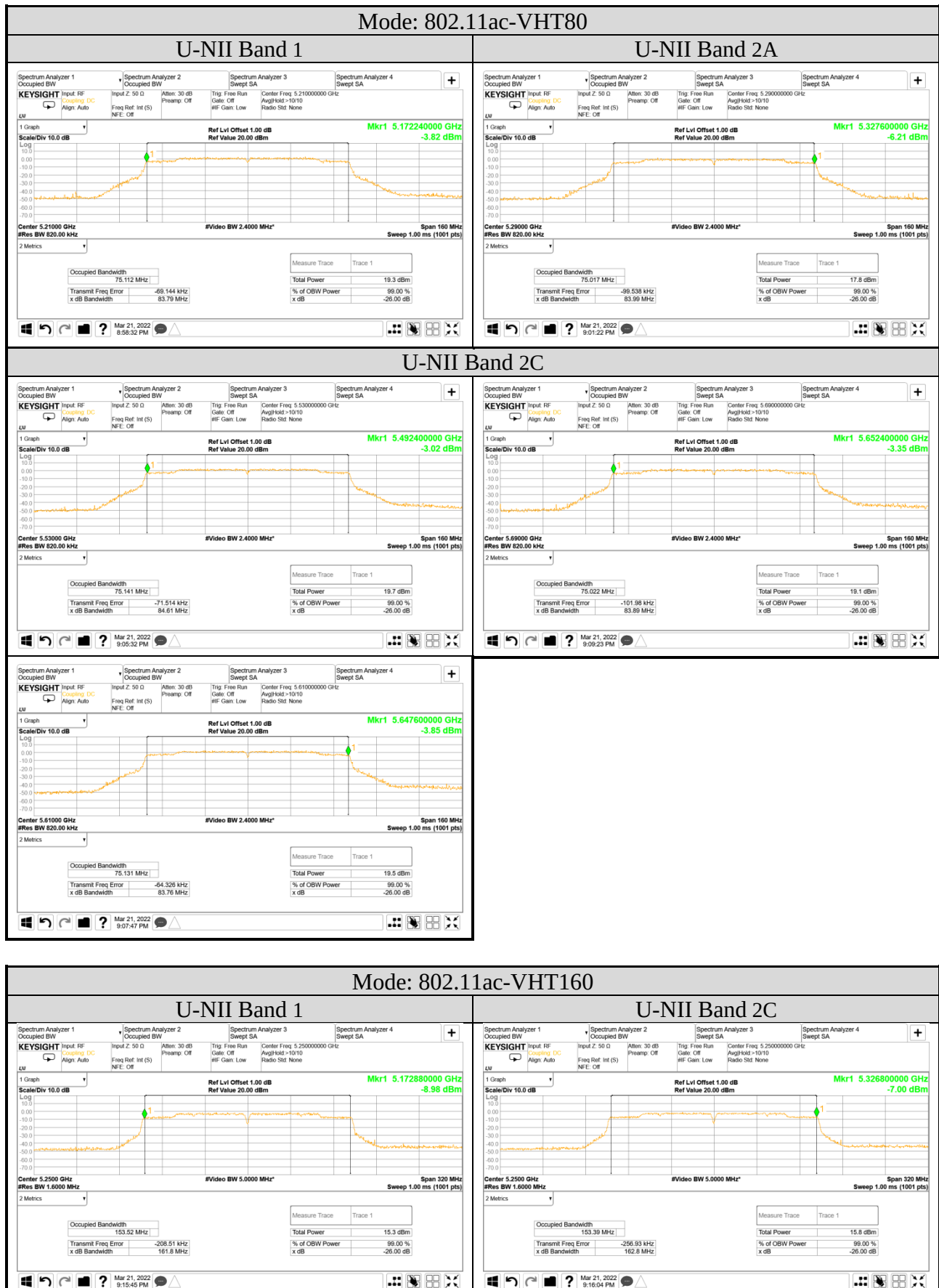
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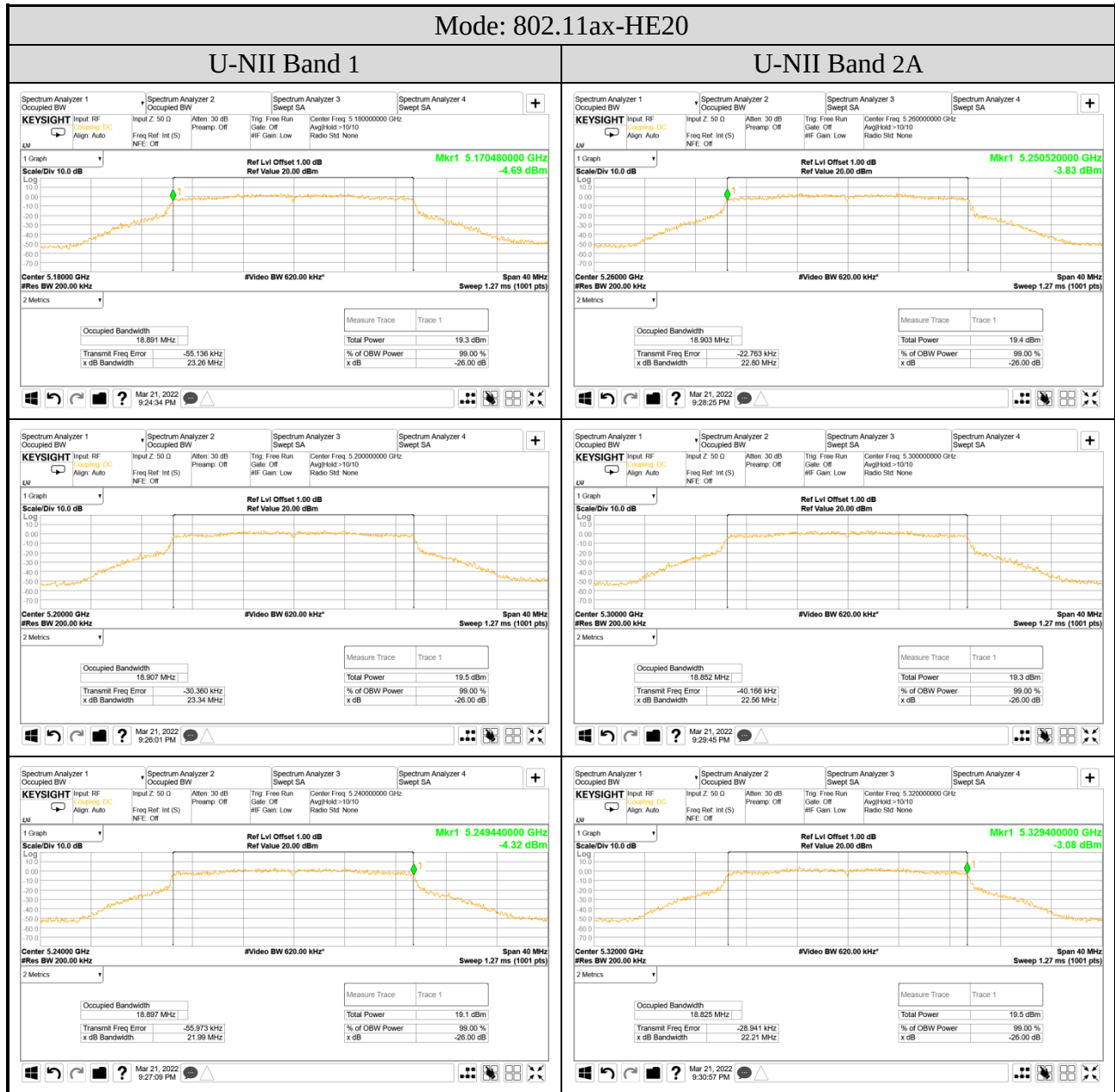
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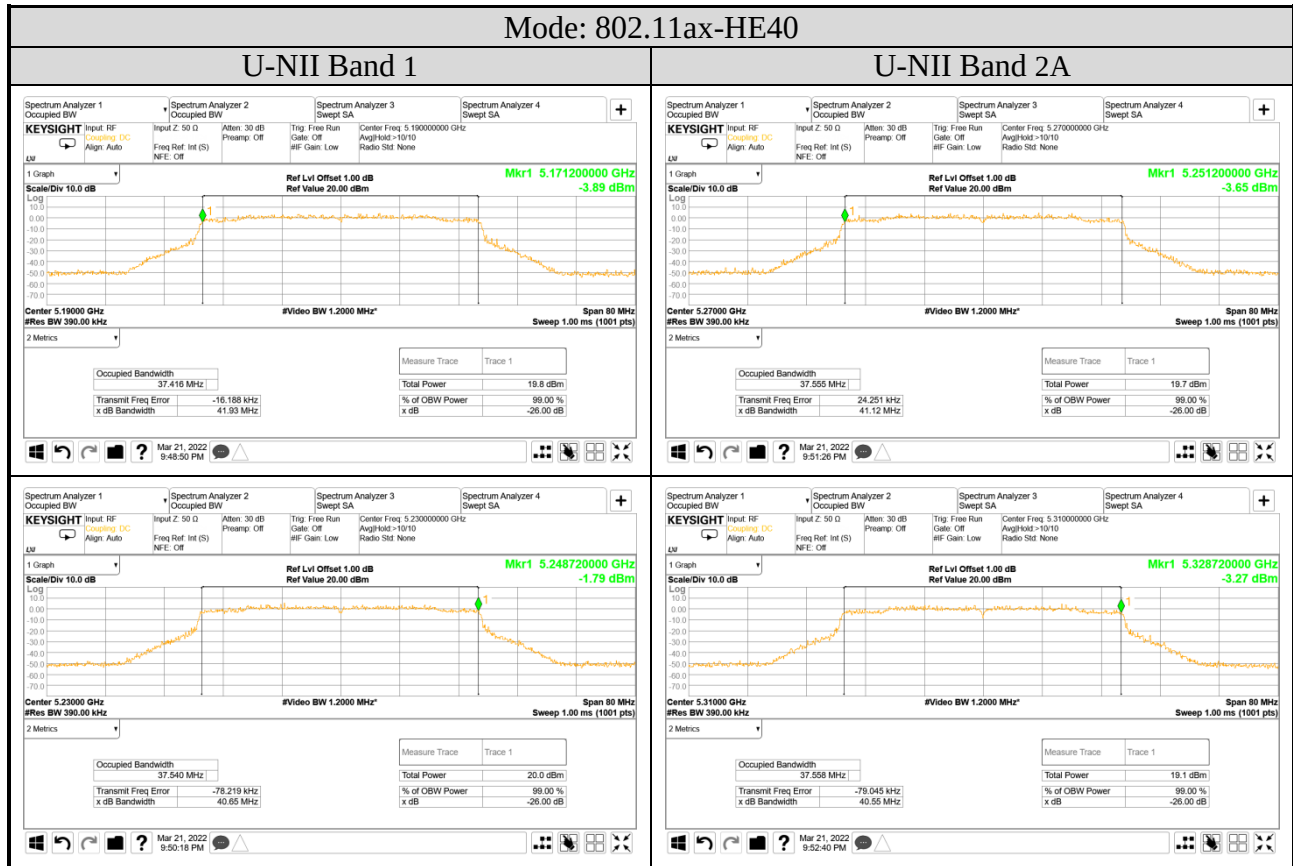
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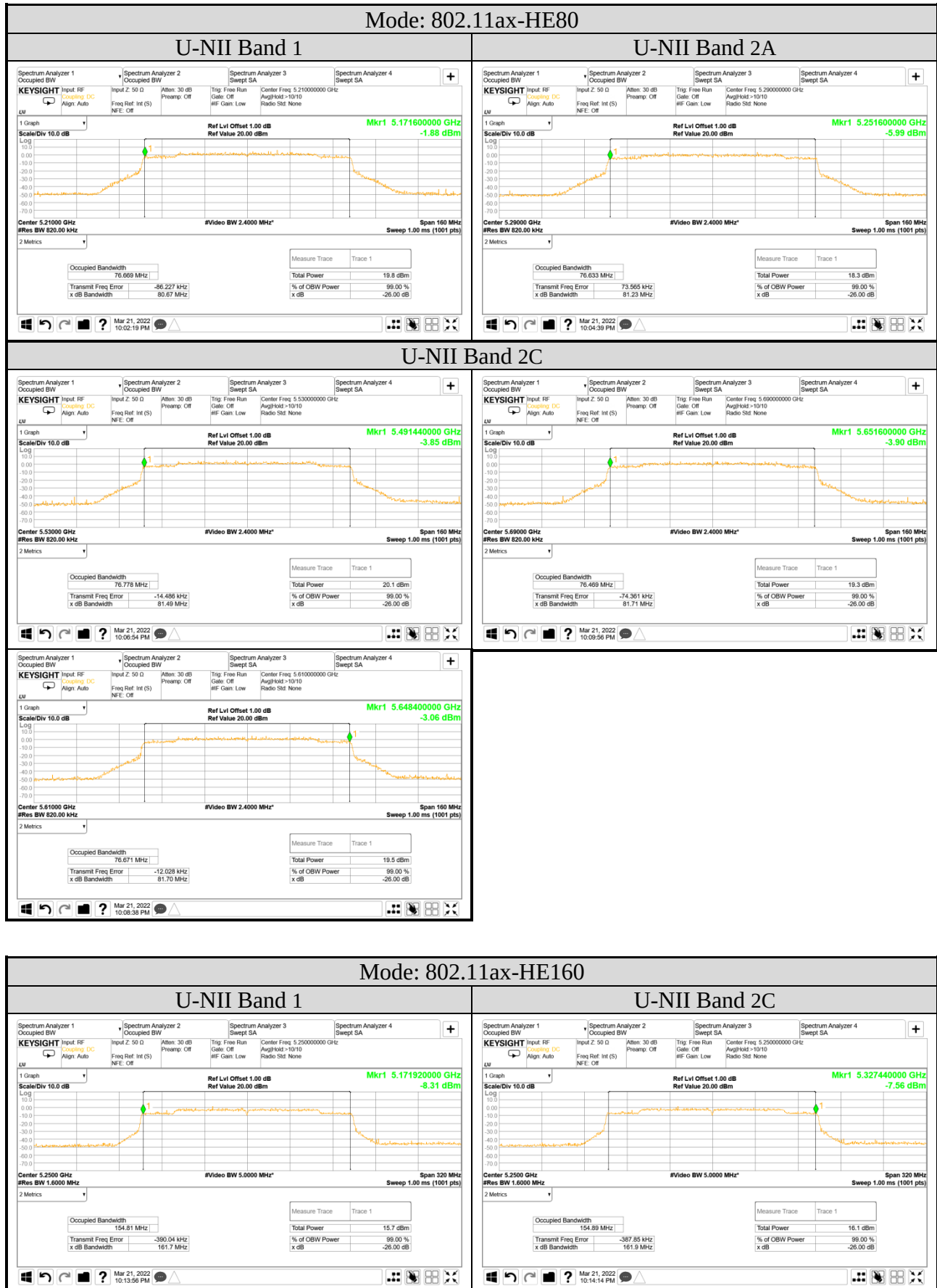
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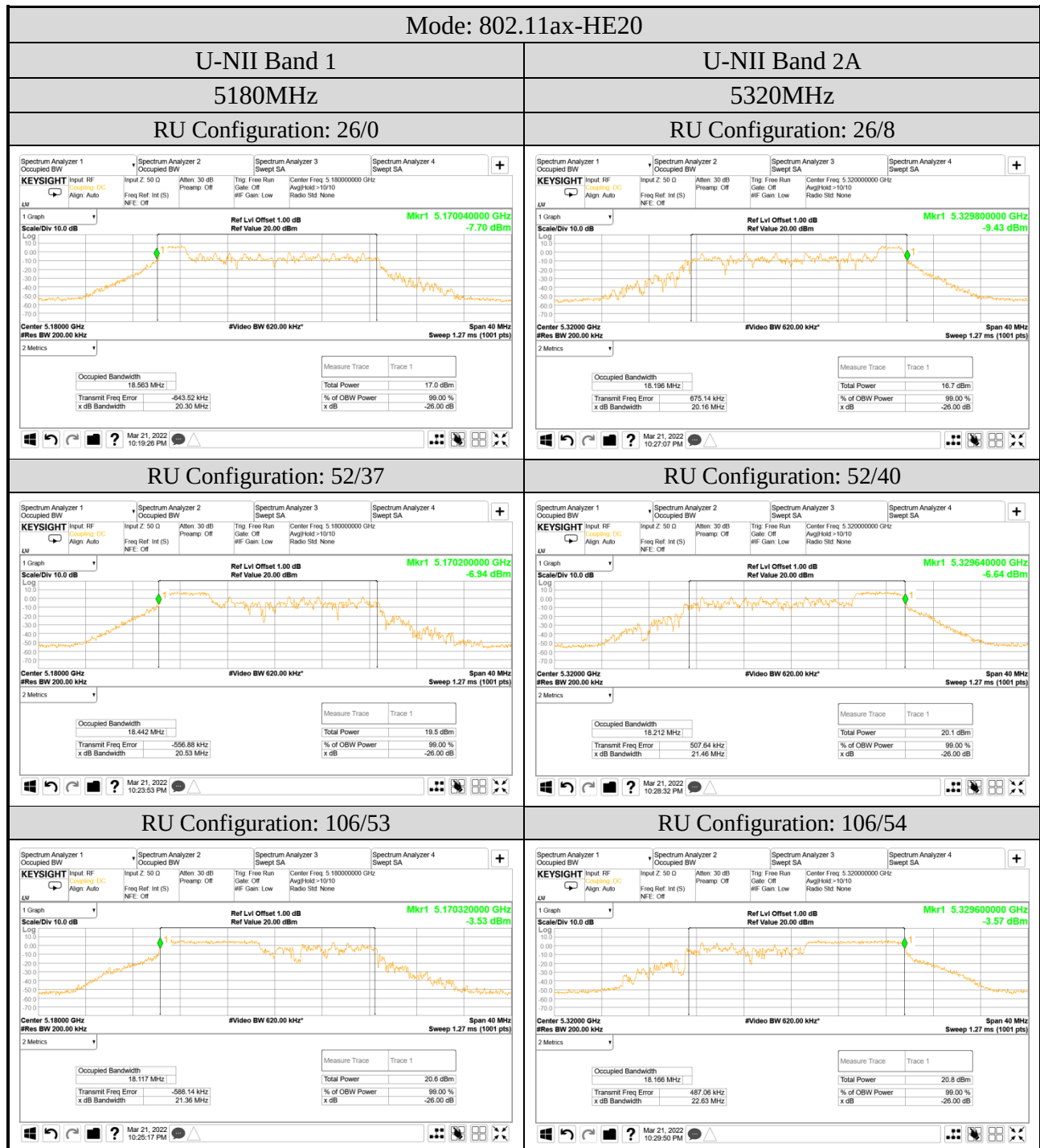


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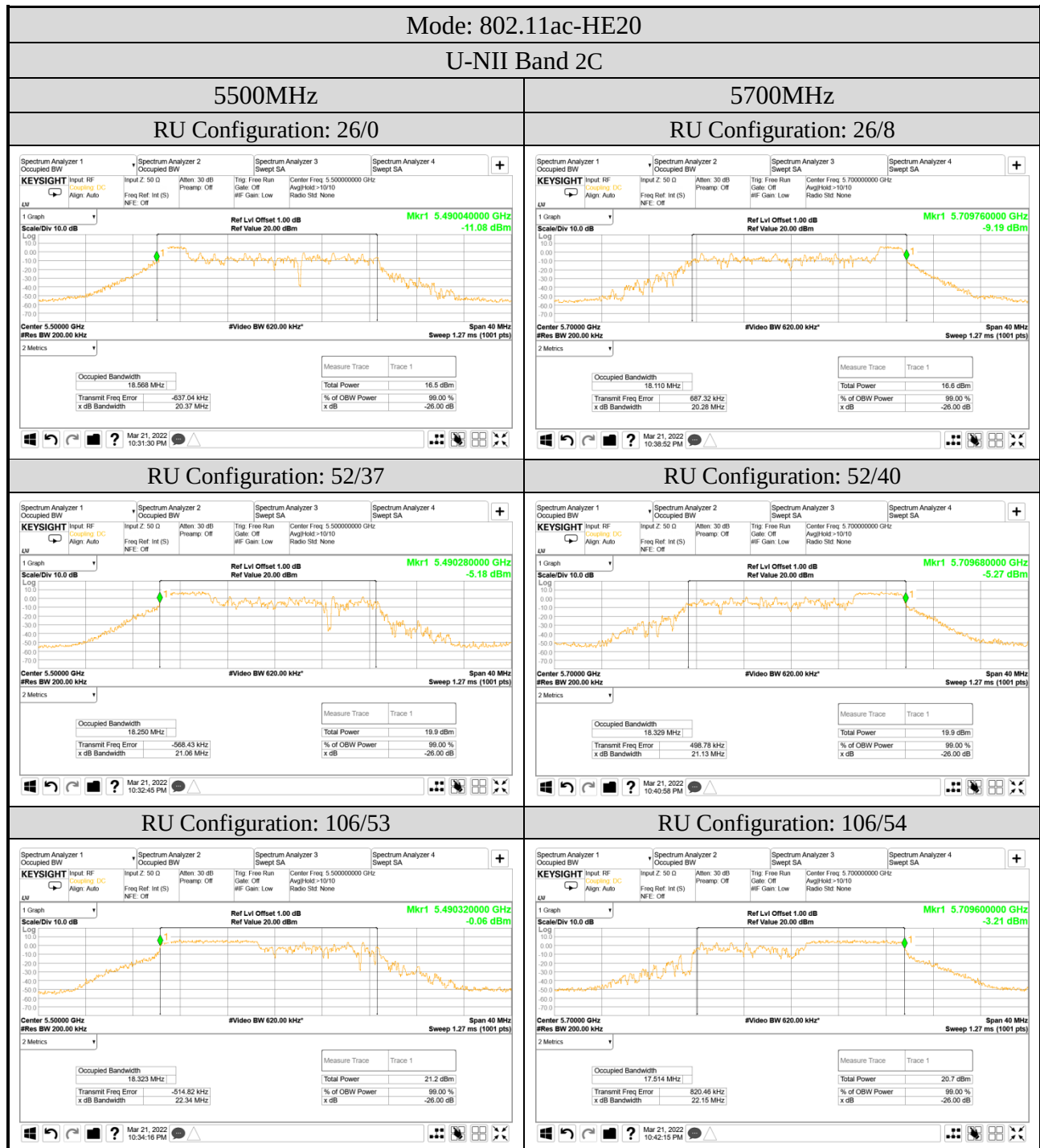
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