

**Mode 5: 5G NR n77 (Part 27 3700~3980 MHz)**

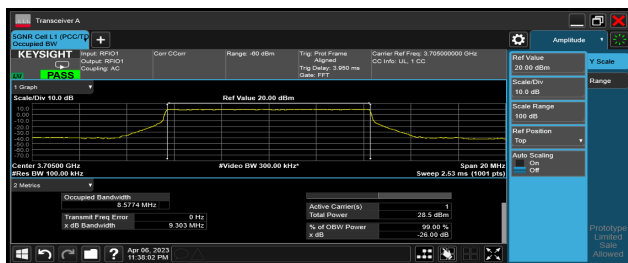
| Bandwidth<br>(MHz) | Modulation | Channel | Frequency<br>(MHz) | Measure Level<br>(MHz) |        | Limit<br>(MHz) |
|--------------------|------------|---------|--------------------|------------------------|--------|----------------|
|                    |            |         |                    | 26dB BW                | 99% BW |                |
| 10                 | QPSK       | 647000  | 3705               | 9.303                  | 8.577  | N/A            |
|                    |            | 656000  | 3840               | 9.246                  | 8.577  | N/A            |
|                    |            | 665000  | 3975               | 9.247                  | 8.573  | N/A            |
|                    | 16-QAM     | 647000  | 3705               | 9.384                  | 8.578  | N/A            |
|                    |            | 656000  | 3840               | 9.224                  | 8.575  | N/A            |
|                    |            | 665000  | 3975               | 9.369                  | 8.578  | N/A            |
|                    | 64-QAM     | 647000  | 3705               | 9.307                  | 8.602  | N/A            |
|                    |            | 656000  | 3840               | 9.305                  | 8.602  | N/A            |
|                    |            | 665000  | 3975               | 9.311                  | 8.601  | N/A            |
|                    | 256QAM     | 647000  | 3705               | 9.245                  | 8.603  | N/A            |
|                    |            | 656000  | 3840               | 9.349                  | 8.603  | N/A            |
|                    |            | 665000  | 3975               | 9.214                  | 8.600  | N/A            |
| 15                 | QPSK       | 647168  | 3707.5             | 13.600                 | 12.860 | N/A            |
|                    |            | 656000  | 3840               | 13.590                 | 12.859 | N/A            |
|                    |            | 664832  | 3972.5             | 13.550                 | 12.860 | N/A            |
|                    | 16-QAM     | 647168  | 3707.5             | 13.720                 | 12.866 | N/A            |
|                    |            | 656000  | 3840               | 13.540                 | 12.861 | N/A            |
|                    |            | 664832  | 3972.5             | 13.650                 | 12.868 | N/A            |
|                    | 64-QAM     | 647168  | 3707.5             | 13.510                 | 12.857 | N/A            |
|                    |            | 656000  | 3840               | 13.710                 | 12.859 | N/A            |
|                    |            | 664832  | 3972.5             | 13.530                 | 12.862 | N/A            |
|                    | 256QAM     | 647168  | 3707.5             | 13.630                 | 12.863 | N/A            |
|                    |            | 656000  | 3840               | 13.560                 | 12.862 | N/A            |
|                    |            | 664832  | 3972.5             | 13.670                 | 12.868 | N/A            |
| 20                 | QPSK       | 647334  | 3710               | 18.650                 | 18.004 | N/A            |
|                    |            | 656000  | 3840               | 18.710                 | 18.002 | N/A            |
|                    |            | 664666  | 3970               | 18.670                 | 18.001 | N/A            |
|                    | 16-QAM     | 647334  | 3710               | 18.720                 | 18.037 | N/A            |
|                    |            | 656000  | 3840               | 18.640                 | 18.017 | N/A            |
|                    |            | 664666  | 3970               | 18.650                 | 18.017 | N/A            |
|                    | 64-QAM     | 647334  | 3710               | 18.700                 | 18.018 | N/A            |
|                    |            | 656000  | 3840               | 18.620                 | 18.001 | N/A            |
|                    |            | 664666  | 3970               | 18.680                 | 18.005 | N/A            |
|                    | 256QAM     | 647334  | 3710               | 18.640                 | 18.009 | N/A            |
|                    |            | 656000  | 3840               | 18.600                 | 18.002 | N/A            |
|                    |            | 664666  | 3970               | 18.620                 | 18.003 | N/A            |

| Bandwidth<br>(MHz) | Modulation | Channel | Frequency<br>(MHz) | Measure Level<br>(MHz) |        | Limit<br>(MHz) |
|--------------------|------------|---------|--------------------|------------------------|--------|----------------|
|                    |            |         |                    | 26dB BW                | 99% BW |                |
| 30                 | QPSK       | 647668  | 3715               | 27.830                 | 26.892 | N/A            |
|                    |            | 656000  | 3840               | 27.860                 | 26.894 | N/A            |
|                    |            | 664332  | 3965               | 27.850                 | 26.903 | N/A            |
|                    | 16-QAM     | 647668  | 3715               | 27.880                 | 26.915 | N/A            |
|                    |            | 656000  | 3840               | 27.920                 | 26.928 | N/A            |
|                    |            | 664332  | 3965               | 27.890                 | 26.923 | N/A            |
|                    | 64-QAM     | 647668  | 3715               | 27.880                 | 26.897 | N/A            |
|                    |            | 656000  | 3840               | 27.930                 | 26.918 | N/A            |
|                    |            | 664332  | 3965               | 27.930                 | 26.912 | N/A            |
|                    | 256QAM     | 647668  | 3715               | 27.780                 | 26.883 | N/A            |
|                    |            | 656000  | 3840               | 27.780                 | 26.895 | N/A            |
|                    |            | 664332  | 3965               | 27.780                 | 26.898 | N/A            |
| 40                 | QPSK       | 648000  | 3720               | 37.210                 | 35.740 | N/A            |
|                    |            | 656000  | 3840               | 37.160                 | 35.733 | N/A            |
|                    |            | 664000  | 3960               | 37.180                 | 35.732 | N/A            |
|                    | 16-QAM     | 648000  | 3720               | 37.180                 | 35.742 | N/A            |
|                    |            | 656000  | 3840               | 37.210                 | 35.741 | N/A            |
|                    |            | 664000  | 3960               | 37.190                 | 35.738 | N/A            |
|                    | 64-QAM     | 648000  | 3720               | 37.200                 | 35.727 | N/A            |
|                    |            | 656000  | 3840               | 37.170                 | 35.714 | N/A            |
|                    |            | 664000  | 3960               | 37.180                 | 35.713 | N/A            |
|                    | 256QAM     | 648000  | 3720               | 37.200                 | 35.737 | N/A            |
|                    |            | 656000  | 3840               | 37.160                 | 35.727 | N/A            |
|                    |            | 664000  | 3960               | 37.180                 | 35.725 | N/A            |
| 50                 | QPSK       | 648334  | 3725               | 47.340                 | 45.698 | N/A            |
|                    |            | 656000  | 3840               | 47.320                 | 45.801 | N/A            |
|                    |            | 663666  | 3955               | 47.340                 | 45.811 | N/A            |
|                    | 16-QAM     | 648334  | 3725               | 47.330                 | 45.805 | N/A            |
|                    |            | 656000  | 3840               | 47.330                 | 45.820 | N/A            |
|                    |            | 663666  | 3955               | 47.330                 | 45.814 | N/A            |
|                    | 64-QAM     | 648334  | 3725               | 47.330                 | 45.697 | N/A            |
|                    |            | 656000  | 3840               | 47.330                 | 45.803 | N/A            |
|                    |            | 663666  | 3955               | 47.330                 | 45.806 | N/A            |
|                    | 256QAM     | 648334  | 3725               | 47.330                 | 45.801 | N/A            |
|                    |            | 656000  | 3840               | 47.330                 | 45.839 | N/A            |
|                    |            | 663666  | 3955               | 47.330                 | 45.813 | N/A            |

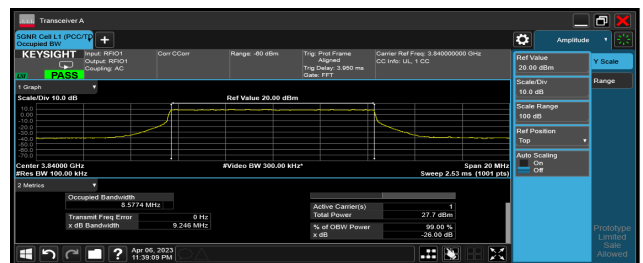
| Bandwidth<br>(MHz) | Modulation | Channel | Frequency<br>(MHz) | Measure Level<br>(MHz) |        | Limit<br>(MHz) |
|--------------------|------------|---------|--------------------|------------------------|--------|----------------|
|                    |            |         |                    | 26dB BW                | 99% BW |                |
| 60                 | QPSK       | 648668  | 3730               | 60.650                 | 57.941 | N/A            |
|                    |            | 656000  | 3840               | 60.630                 | 57.932 | N/A            |
|                    |            | 663332  | 3950               | 60.660                 | 57.934 | N/A            |
|                    | 16-QAM     | 648668  | 3730               | 60.640                 | 57.940 | N/A            |
|                    |            | 656000  | 3840               | 60.640                 | 57.938 | N/A            |
|                    |            | 663332  | 3950               | 60.630                 | 57.935 | N/A            |
|                    | 64-QAM     | 648668  | 3730               | 60.620                 | 57.929 | N/A            |
|                    |            | 656000  | 3840               | 60.640                 | 57.938 | N/A            |
|                    |            | 663332  | 3950               | 60.640                 | 57.929 | N/A            |
|                    | 256QAM     | 648668  | 3730               | 60.620                 | 57.930 | N/A            |
|                    |            | 656000  | 3840               | 60.600                 | 57.933 | N/A            |
|                    |            | 663332  | 3950               | 60.630                 | 57.937 | N/A            |
| 70                 | QPSK       | 649000  | 3735               | 67.090                 | 64.426 | N/A            |
|                    |            | 656000  | 3840               | 67.080                 | 64.439 | N/A            |
|                    |            | 663000  | 3945               | 67.100                 | 64.450 | N/A            |
|                    | 16-QAM     | 649000  | 3735               | 67.120                 | 64.457 | N/A            |
|                    |            | 656000  | 3840               | 67.070                 | 64.463 | N/A            |
|                    |            | 663000  | 3945               | 67.120                 | 64.463 | N/A            |
|                    | 64-QAM     | 649000  | 3735               | 67.090                 | 64.447 | N/A            |
|                    |            | 656000  | 3840               | 67.080                 | 64.470 | N/A            |
|                    |            | 663000  | 3945               | 67.070                 | 64.436 | N/A            |
|                    | 256QAM     | 649000  | 3735               | 67.060                 | 64.435 | N/A            |
|                    |            | 656000  | 3840               | 67.050                 | 64.449 | N/A            |
|                    |            | 663000  | 3945               | 67.060                 | 64.448 | N/A            |
| 80                 | QPSK       | 649334  | 3740               | 80.030                 | 77.197 | N/A            |
|                    |            | 656000  | 3840               | 80.040                 | 77.209 | N/A            |
|                    |            | 662666  | 3940               | 80.020                 | 77.219 | N/A            |
|                    | 16-QAM     | 649334  | 3740               | 80.060                 | 77.208 | N/A            |
|                    |            | 656000  | 3840               | 80.070                 | 77.240 | N/A            |
|                    |            | 662666  | 3940               | 80.070                 | 77.232 | N/A            |
|                    | 64-QAM     | 649334  | 3740               | 80.050                 | 77.207 | N/A            |
|                    |            | 656000  | 3840               | 80.040                 | 77.228 | N/A            |
|                    |            | 662666  | 3940               | 80.040                 | 77.229 | N/A            |
|                    | 256QAM     | 649334  | 3740               | 80.000                 | 77.192 | N/A            |
|                    |            | 656000  | 3840               | 80.020                 | 77.221 | N/A            |
|                    |            | 662666  | 3940               | 80.040                 | 77.208 | N/A            |

| Bandwidth<br>(MHz) | Modulation | Channel | Frequency<br>(MHz) | Measure Level<br>(MHz) |        | Limit<br>(MHz) |
|--------------------|------------|---------|--------------------|------------------------|--------|----------------|
|                    |            |         |                    | 26dB BW                | 99% BW |                |
| 90                 | QPSK       | 649668  | 3745               | 89.780                 | 86.883 | N/A            |
|                    |            | 656000  | 3840               | 89.790                 | 86.915 | N/A            |
|                    |            | 662332  | 3935               | 89.790                 | 86.933 | N/A            |
|                    | 16-QAM     | 649668  | 3745               | 89.810                 | 86.876 | N/A            |
|                    |            | 656000  | 3840               | 89.800                 | 86.918 | N/A            |
|                    |            | 662332  | 3935               | 89.790                 | 86.909 | N/A            |
|                    | 64-QAM     | 649668  | 3745               | 89.760                 | 86.855 | N/A            |
|                    |            | 656000  | 3840               | 89.770                 | 86.908 | N/A            |
|                    |            | 662332  | 3935               | 89.750                 | 86.890 | N/A            |
|                    | 256QAM     | 649668  | 3745               | 89.780                 | 86.876 | N/A            |
|                    |            | 656000  | 3840               | 89.750                 | 86.911 | N/A            |
|                    |            | 662332  | 3935               | 89.750                 | 86.901 | N/A            |
| 100                | QPSK       | 650000  | 3750               | 99.510                 | 96.431 | N/A            |
|                    |            | 656000  | 3840               | 99.510                 | 96.457 | N/A            |
|                    |            | 662000  | 3930               | 99.520                 | 96.470 | N/A            |
|                    | 16-QAM     | 650000  | 3750               | 99.540                 | 96.470 | N/A            |
|                    |            | 656000  | 3840               | 99.530                 | 96.507 | N/A            |
|                    |            | 662000  | 3930               | 99.530                 | 96.480 | N/A            |
|                    | 64-QAM     | 650000  | 3750               | 99.530                 | 96.473 | N/A            |
|                    |            | 656000  | 3840               | 99.530                 | 96.502 | N/A            |
|                    |            | 662000  | 3930               | 99.530                 | 96.484 | N/A            |
|                    | 256QAM     | 650000  | 3750               | 99.520                 | 96.445 | N/A            |
|                    |            | 656000  | 3840               | 99.510                 | 96.476 | N/A            |
|                    |            | 662000  | 3930               | 99.510                 | 96.464 | N/A            |

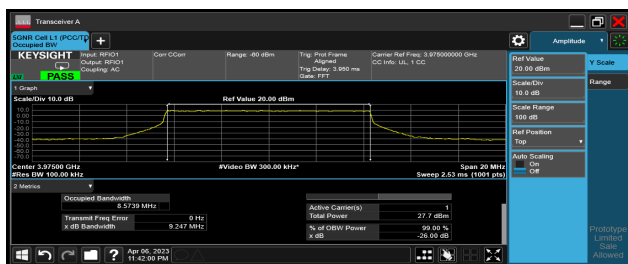
## 5G NR n77\_QPSK\_CH647000\_10 MHz



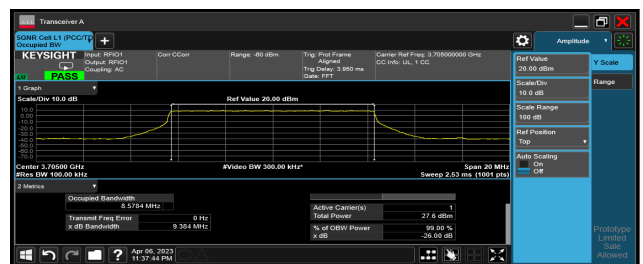
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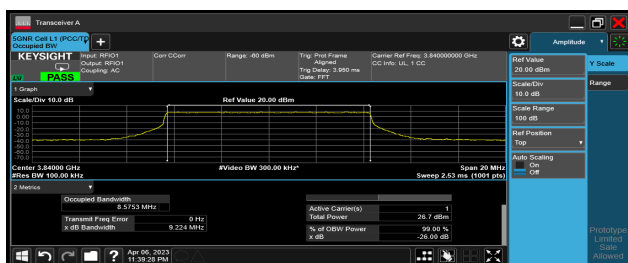
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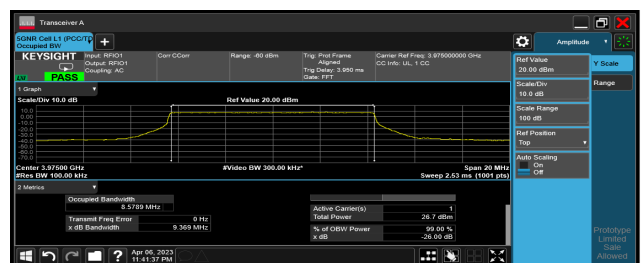
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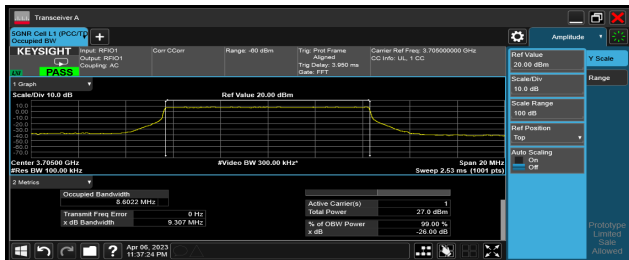
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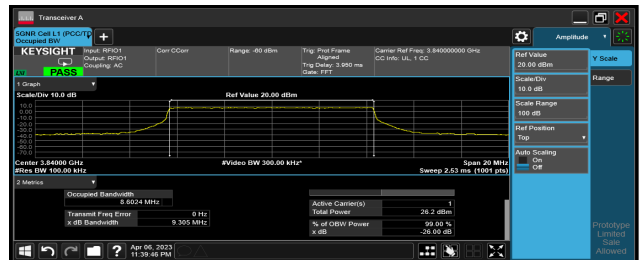
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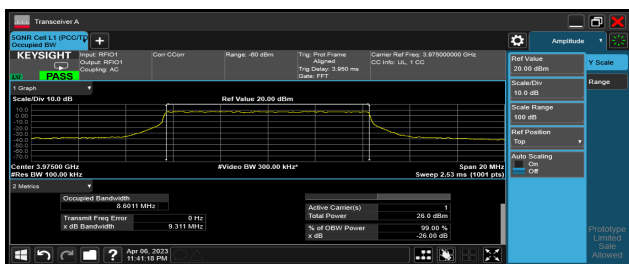
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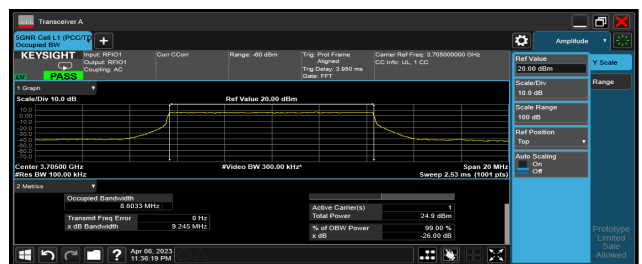
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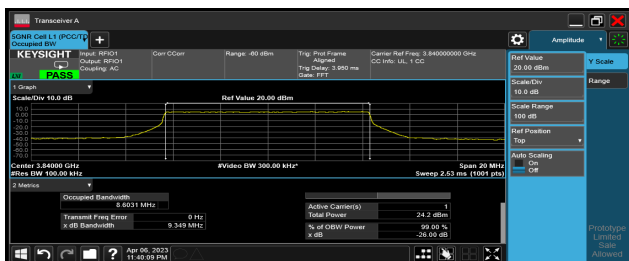
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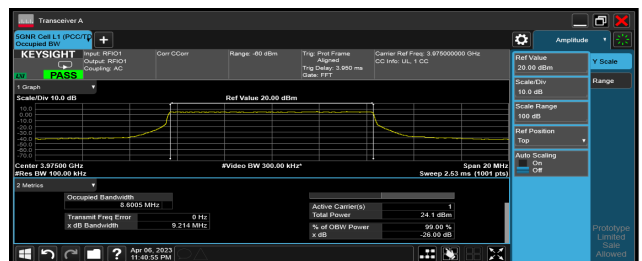
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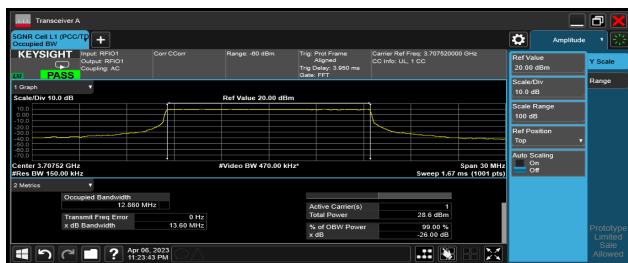
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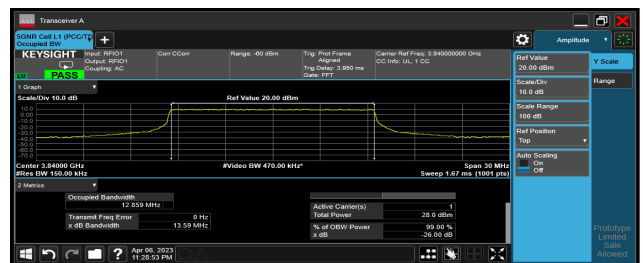
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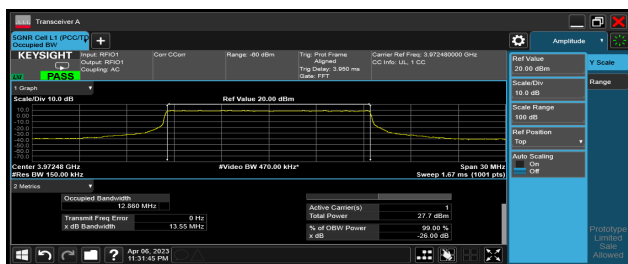
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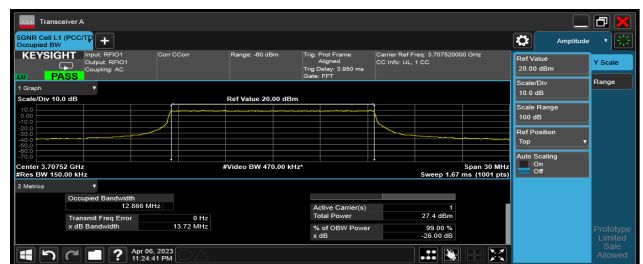
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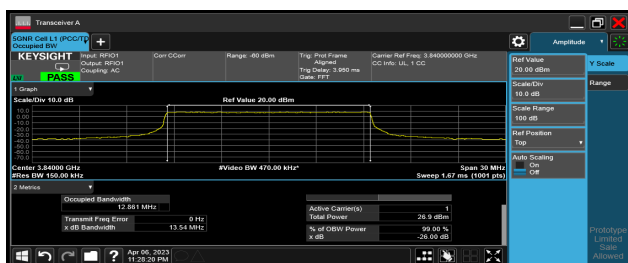
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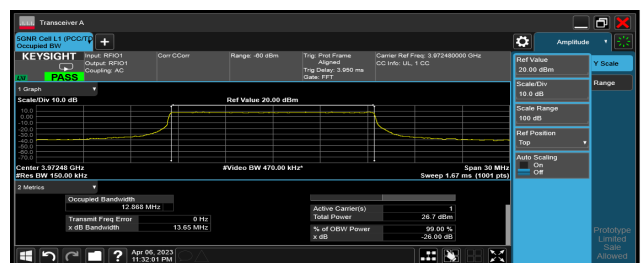
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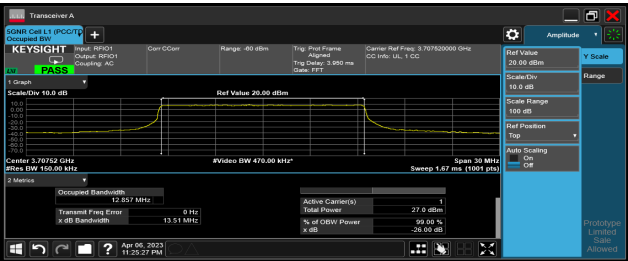
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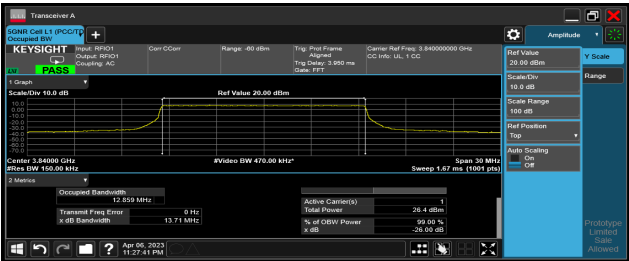
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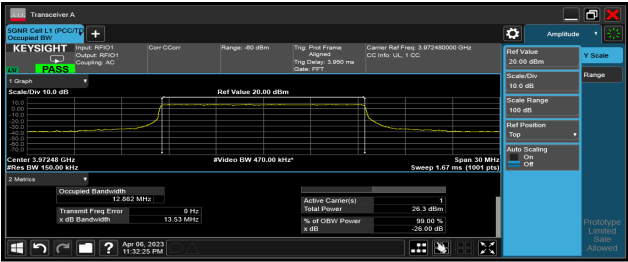
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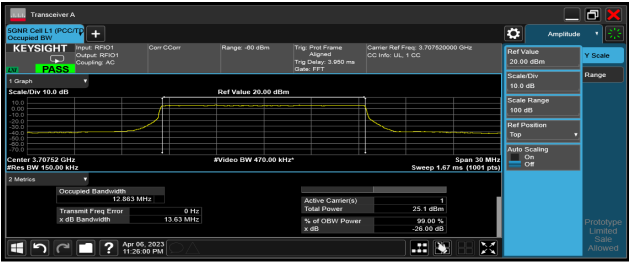
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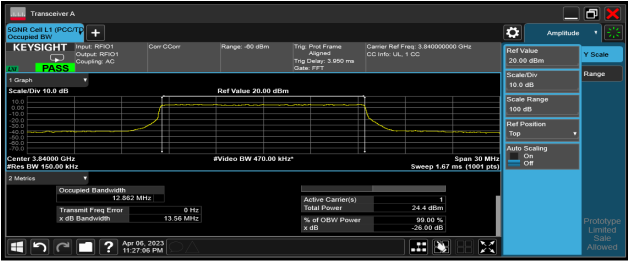
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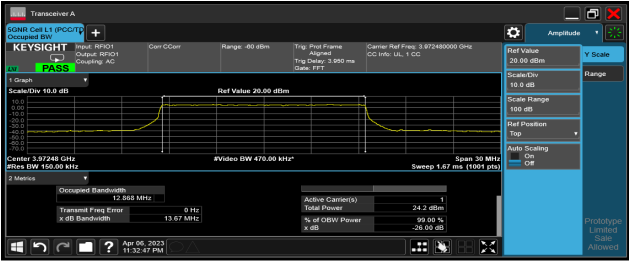
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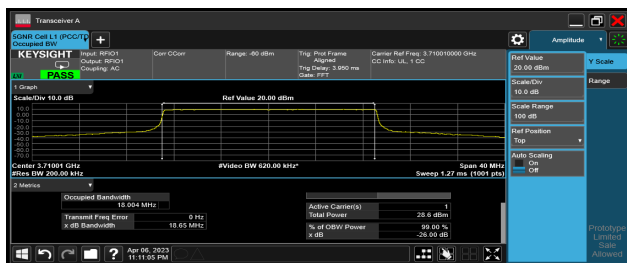
5G NR n77\_256QAM\_CH656000\_15 MHz



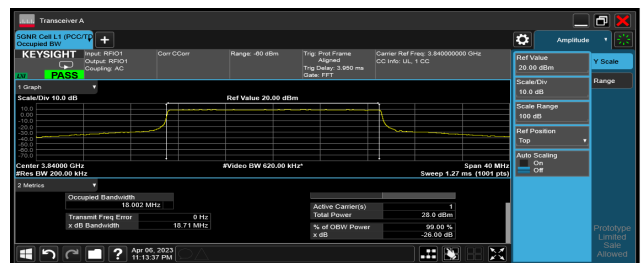
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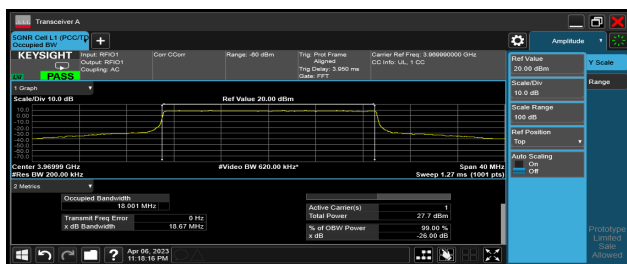
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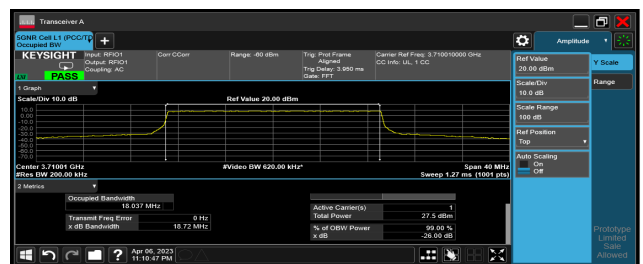
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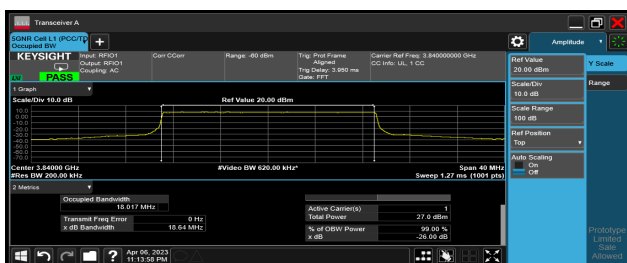
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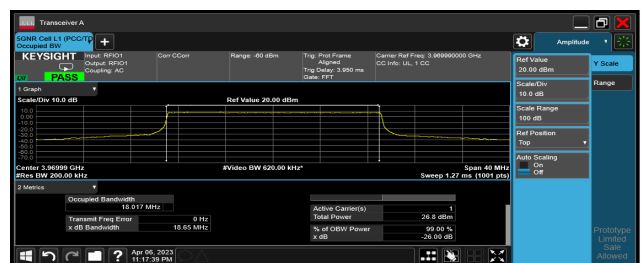
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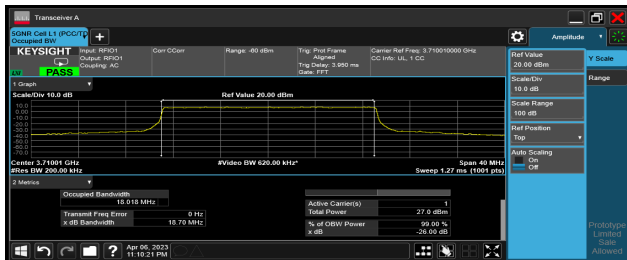
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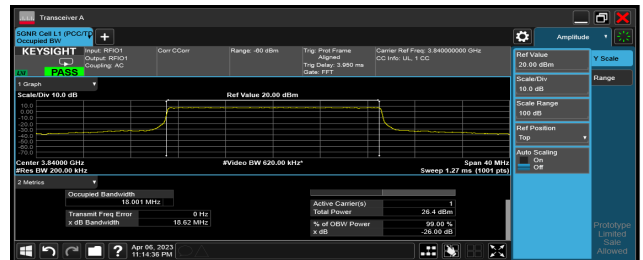
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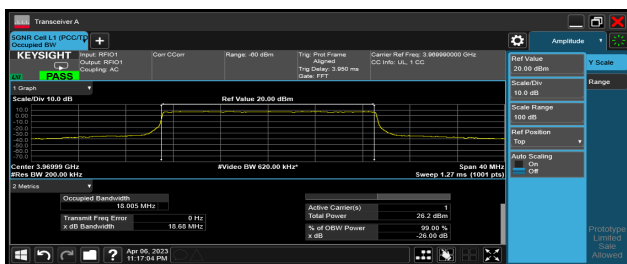
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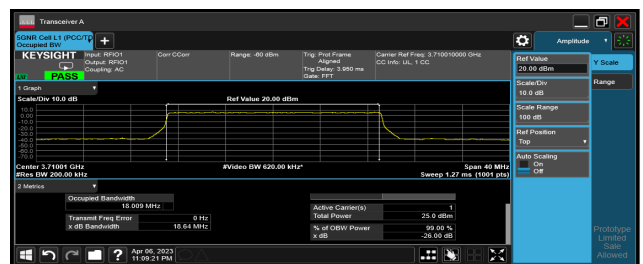
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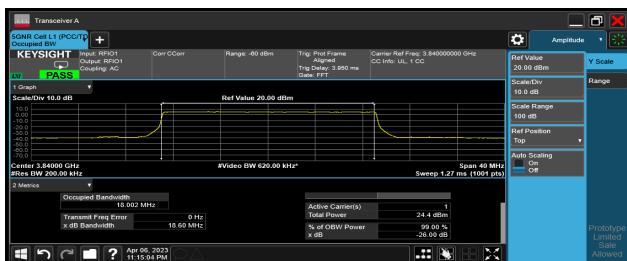
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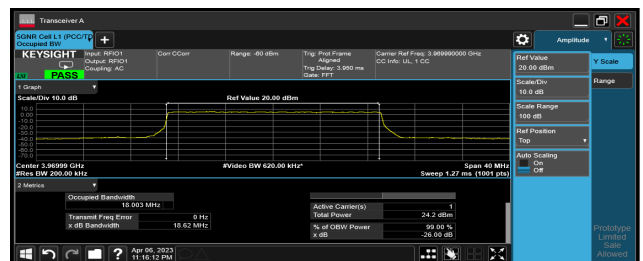
## 5G NR n77\_256QAM\_CH647334\_20 MHz



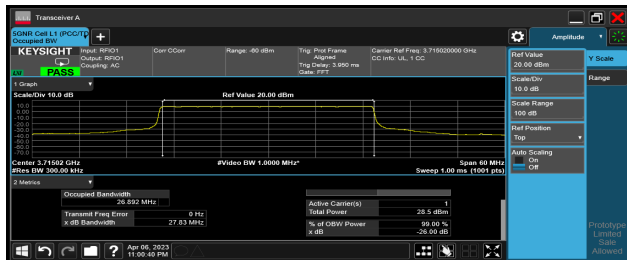
## 5G NR n77\_256QAM\_CH656000\_20 MHz



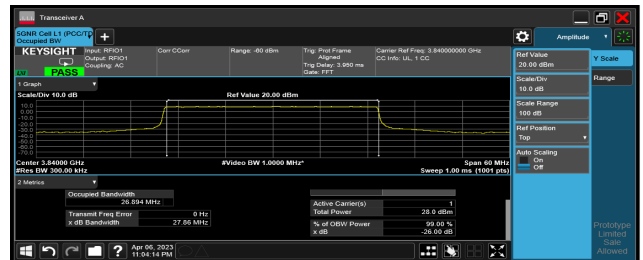
## 5G NR n77\_256QAM\_CH664666\_20 MHz



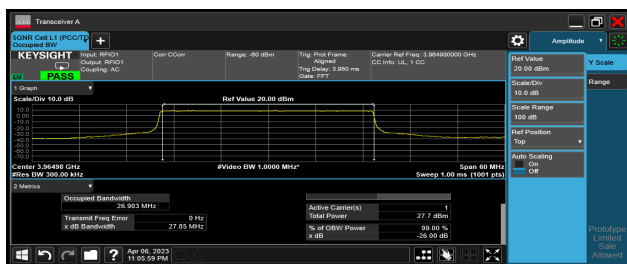
## 5G NR n77\_QPSK\_CH647668\_30 MHz



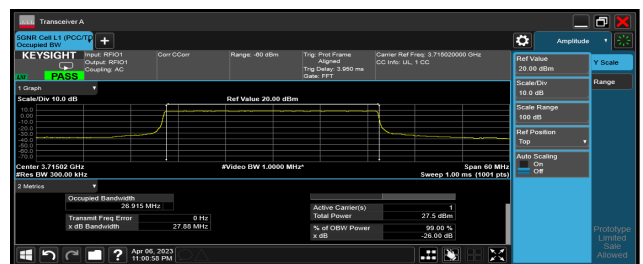
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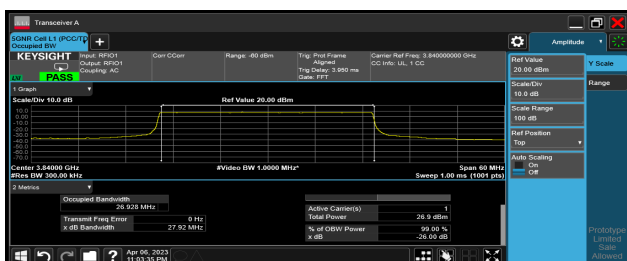
## 5G NR n77\_QPSK\_CH664332\_30 MHz



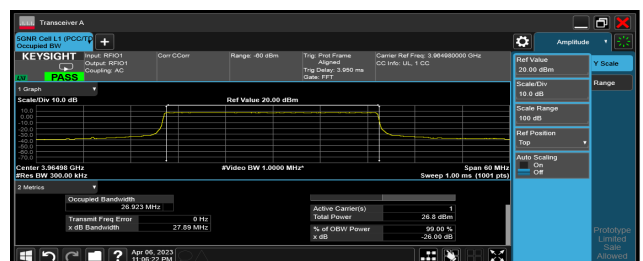
## 5G NR n77\_16QAM\_CH647668\_30 MHz



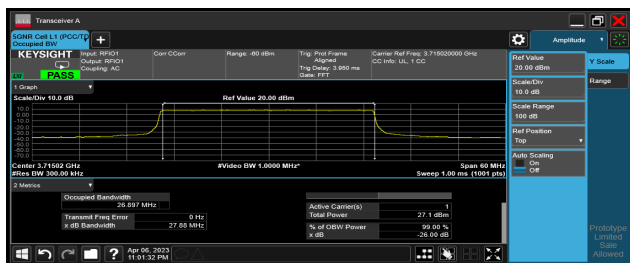
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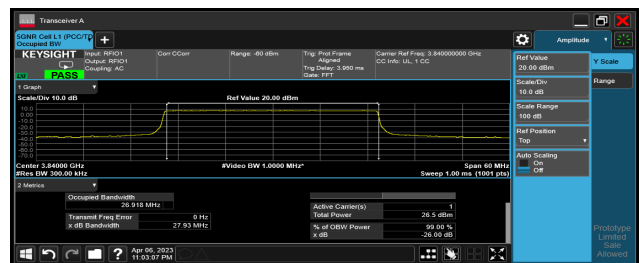
## 5G NR n77\_16QAM\_CH664332\_30 MHz



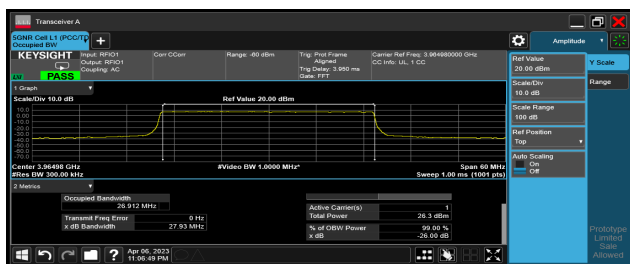
## 5G NR n77\_64QAM\_CH647668\_30 MHz



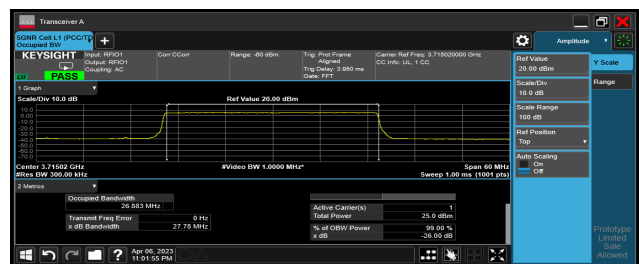
## 5G NR n77\_64QAM\_CH656000\_30 MHz



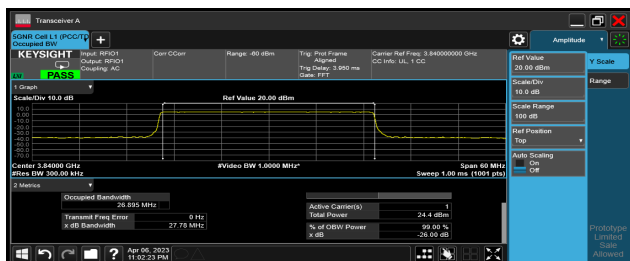
## 5G NR n77\_64QAM\_CH664332\_30 MHz



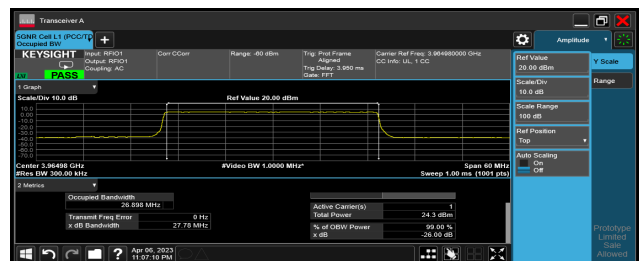
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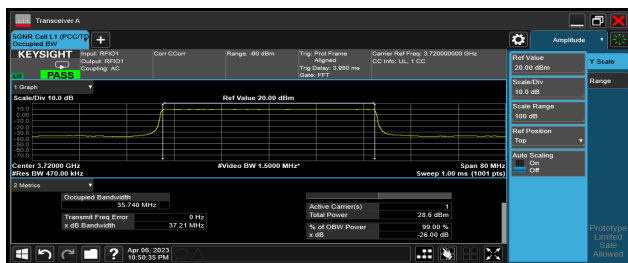
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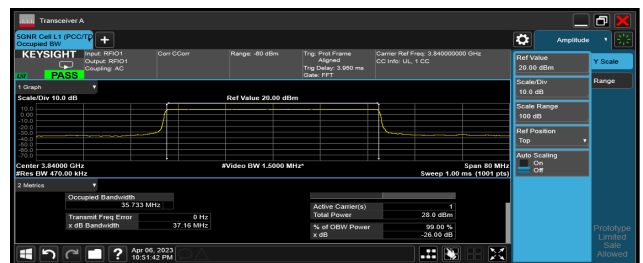
## 5G NR n77\_256QAM\_CH664332\_30 MHz



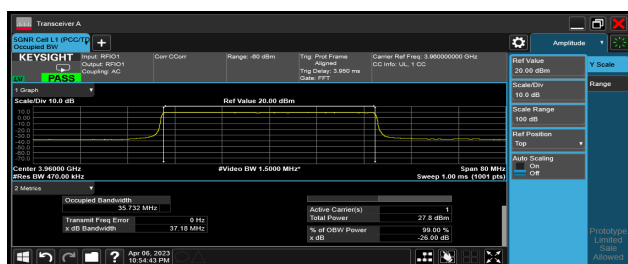
## 5G NR n77\_QPSK\_CH648000\_40 MHz



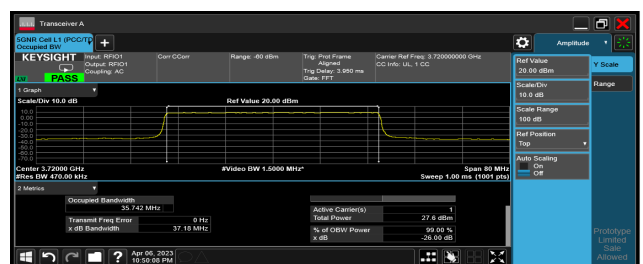
## 5G NR n77\_QPSK\_CH656000\_40 MHz



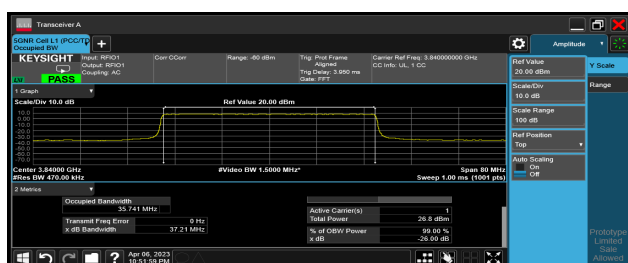
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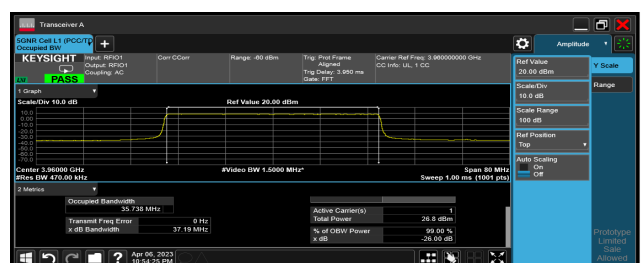
## 5G NR n77\_16QAM\_CH648000\_40 MHz



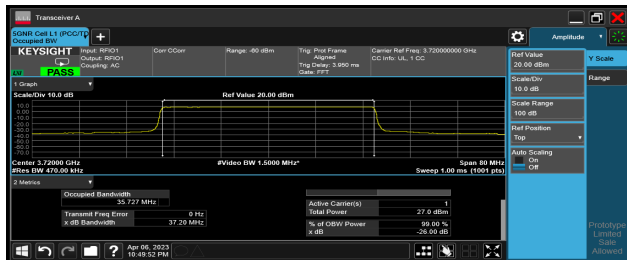
## 5G NR n77\_16QAM\_CH656000\_40 MHz



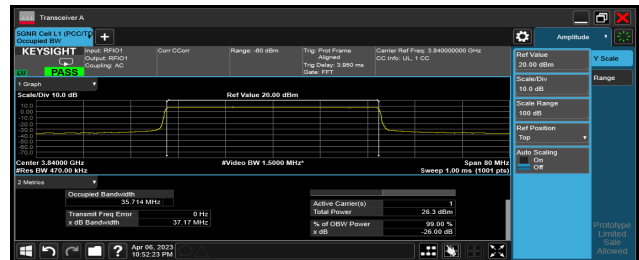
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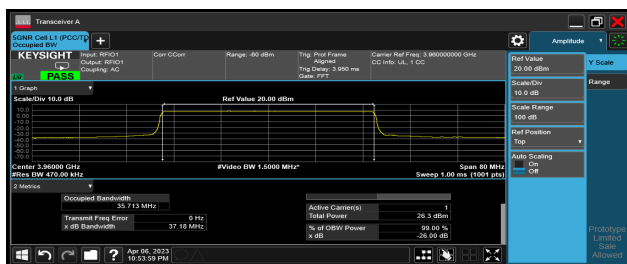
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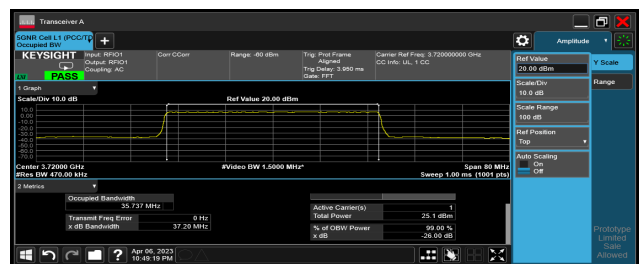
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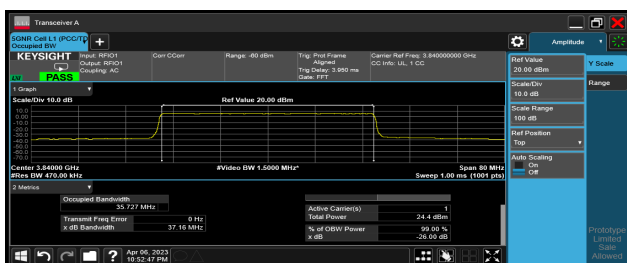
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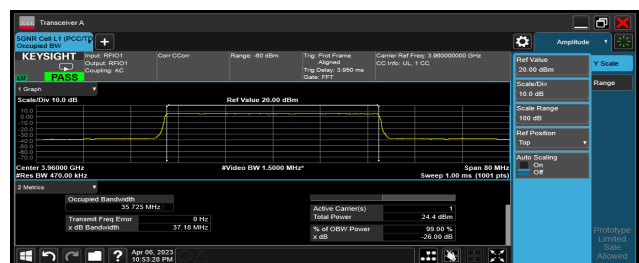
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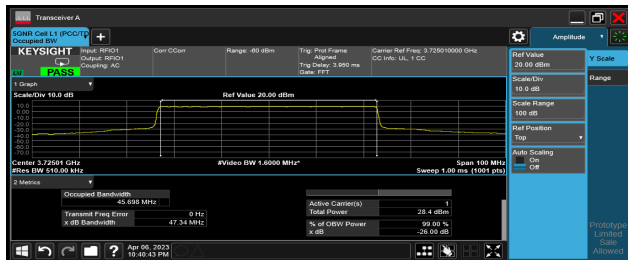
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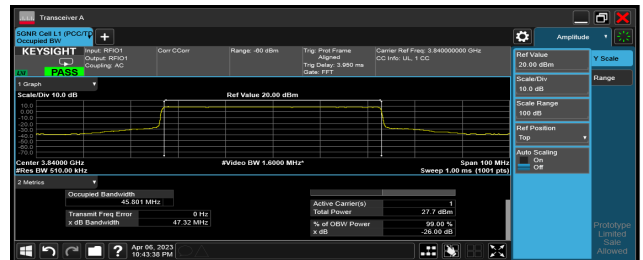
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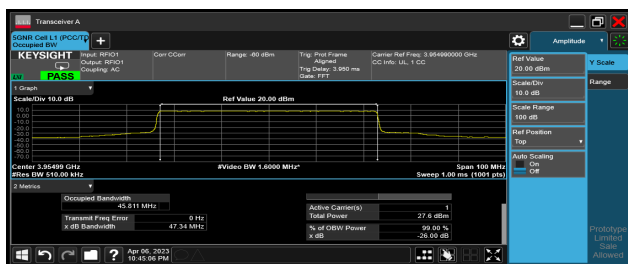
## 5G NR n77\_QPSK\_CH648334\_50 MHz



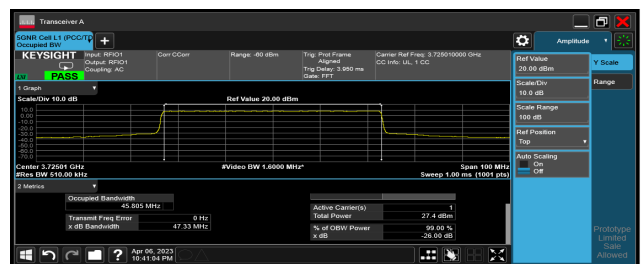
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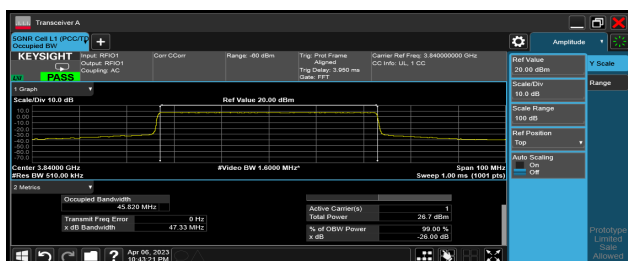
## 5G NR n77\_QPSK\_CH663666\_50 MHz



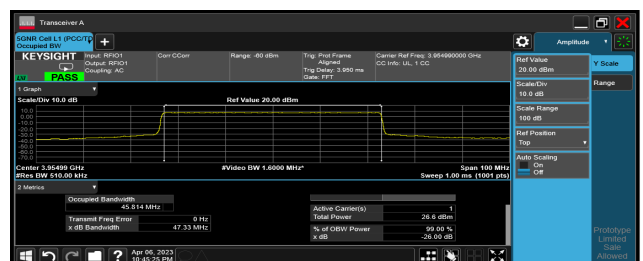
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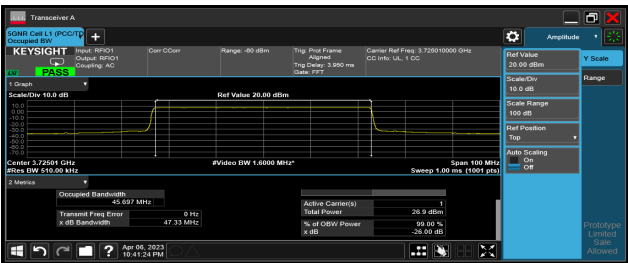
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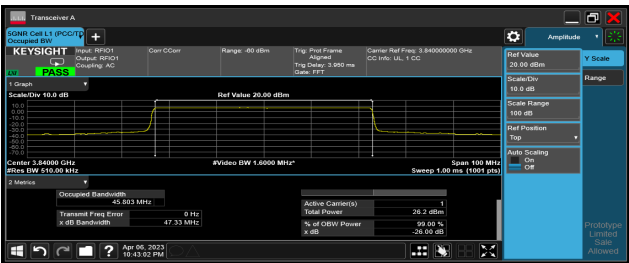
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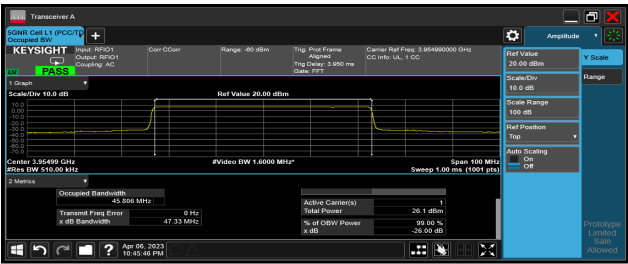
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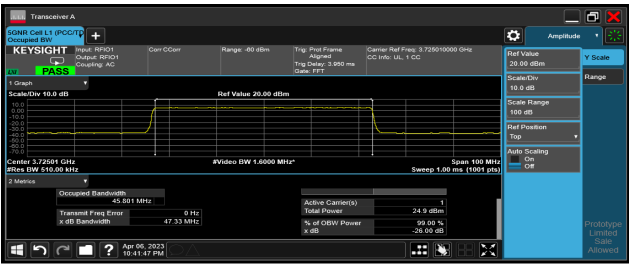
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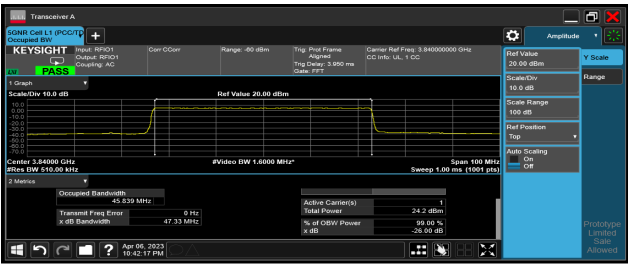
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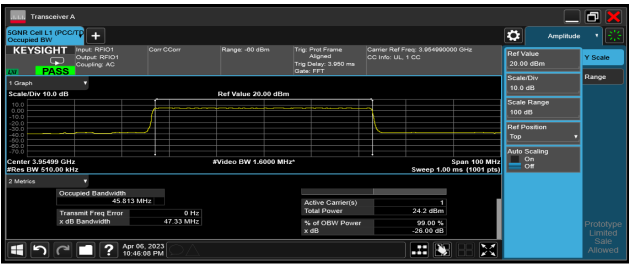
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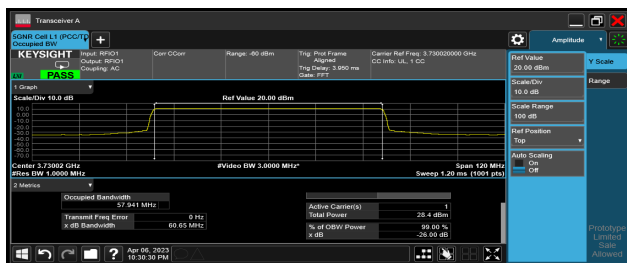
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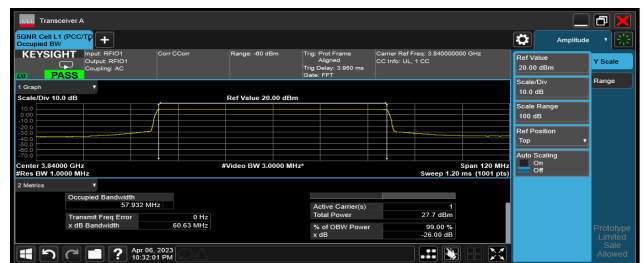
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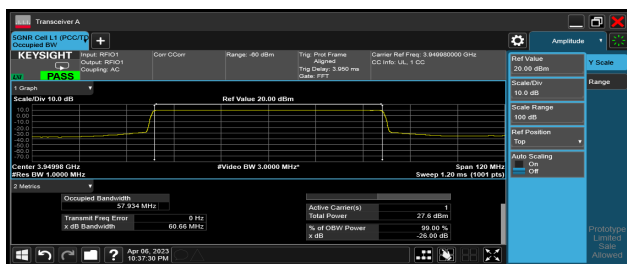
## 5G NR n77\_QPSK\_CH648668\_60 MHz



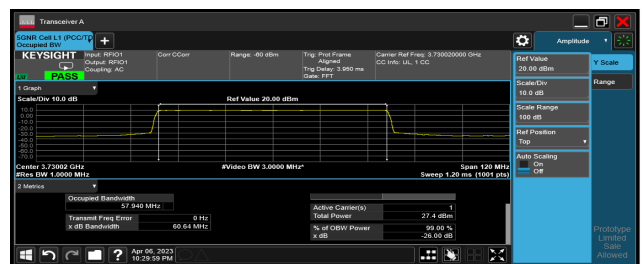
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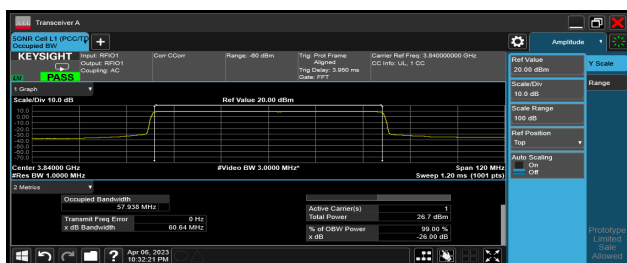
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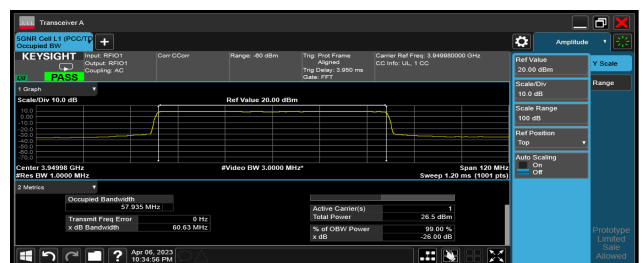
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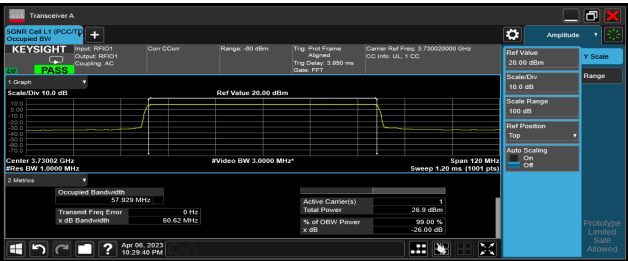
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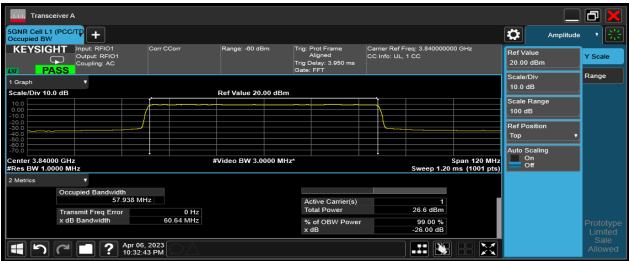
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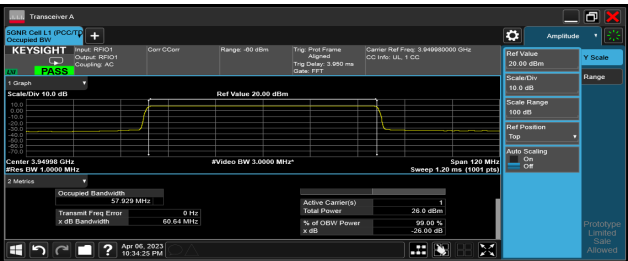
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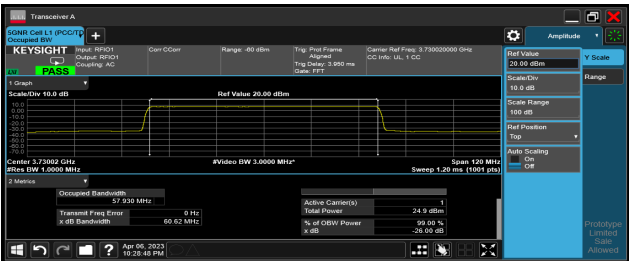
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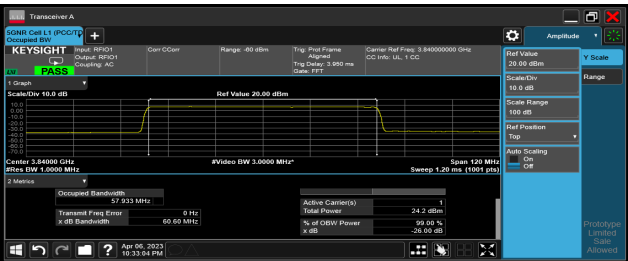
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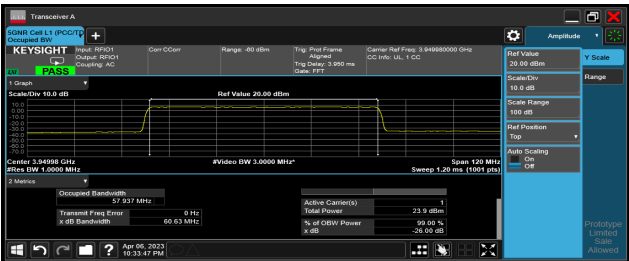
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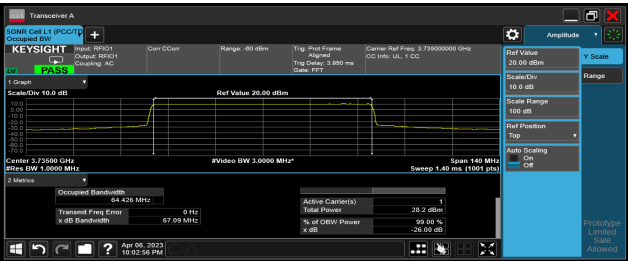
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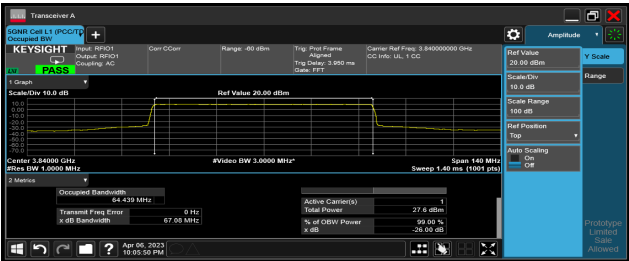
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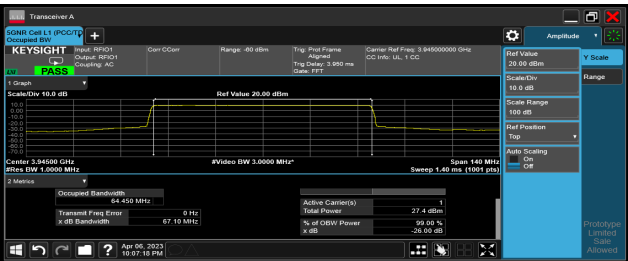
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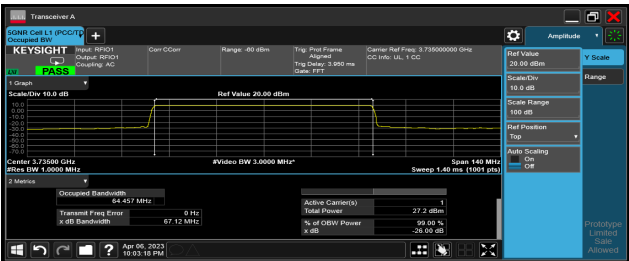
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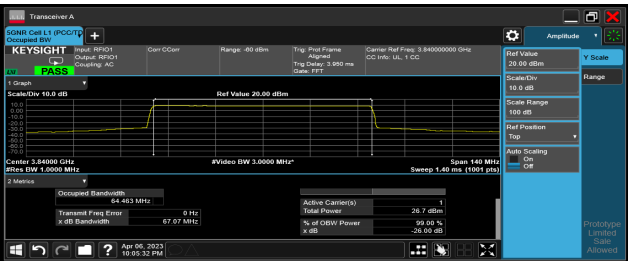
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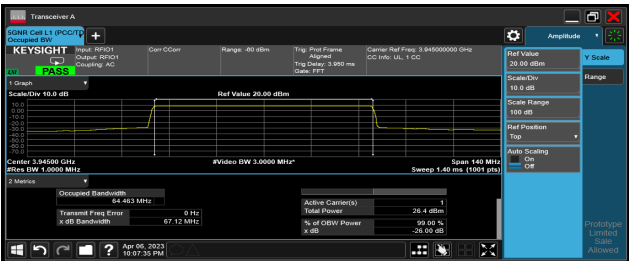
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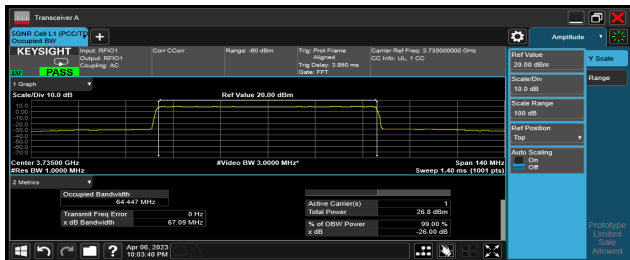
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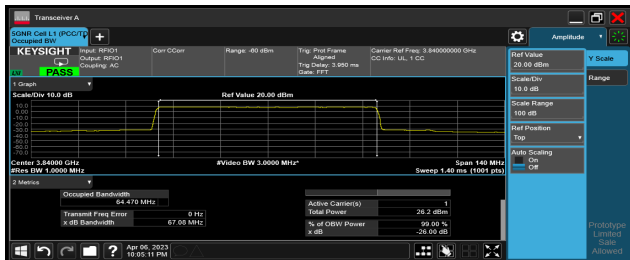
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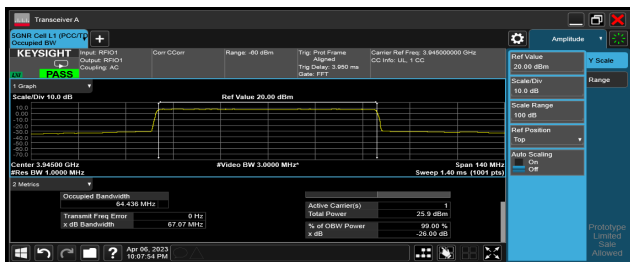
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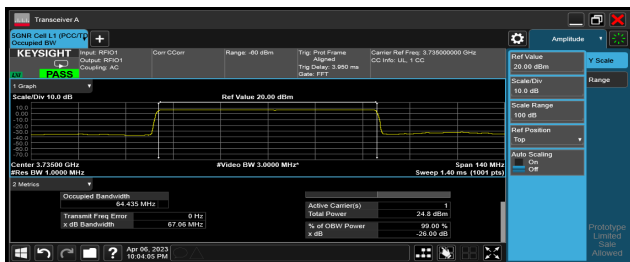
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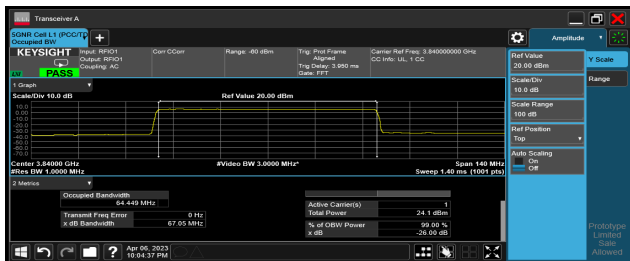
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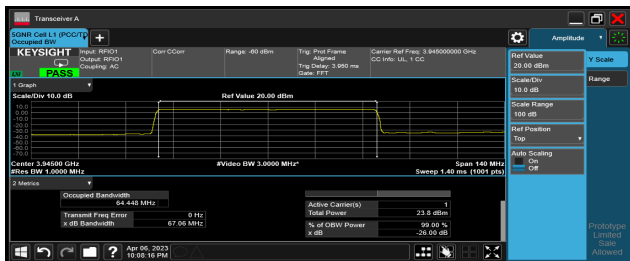
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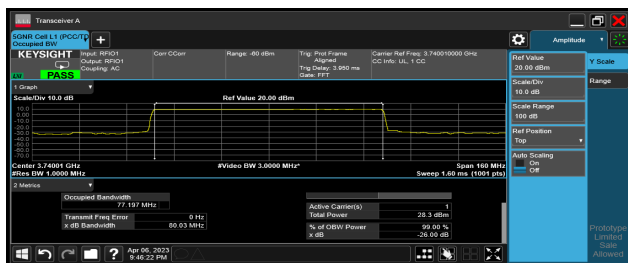
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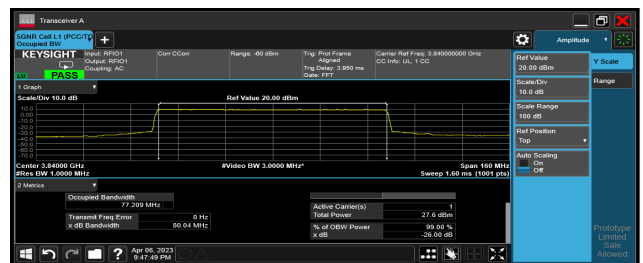
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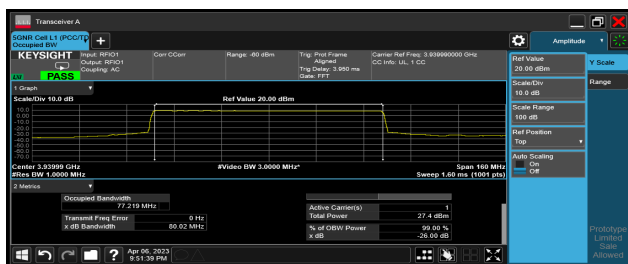
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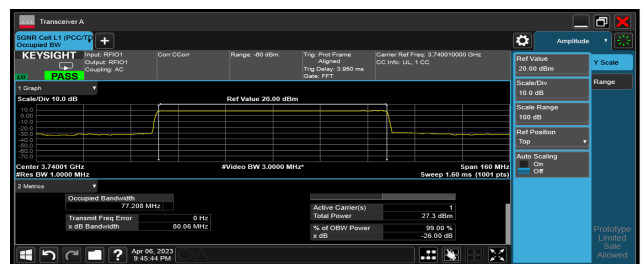
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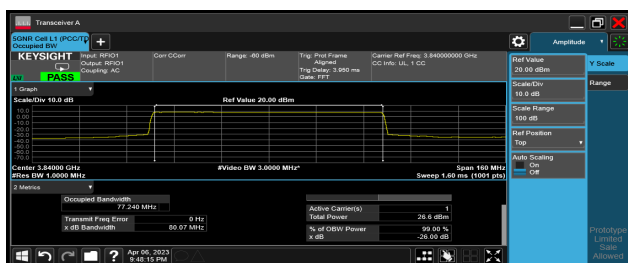
## 5G NR n77\_QPSK\_CH662666\_80 MHz



## 5G NR n77\_16QAM\_CH649334\_80 MHz



## 5G NR n77\_16QAM\_CH656000\_80 MHz



## 5G NR n77\_16QAM\_CH662666\_80 MHz

