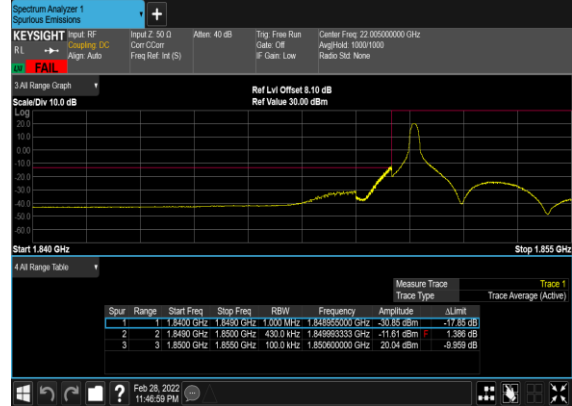


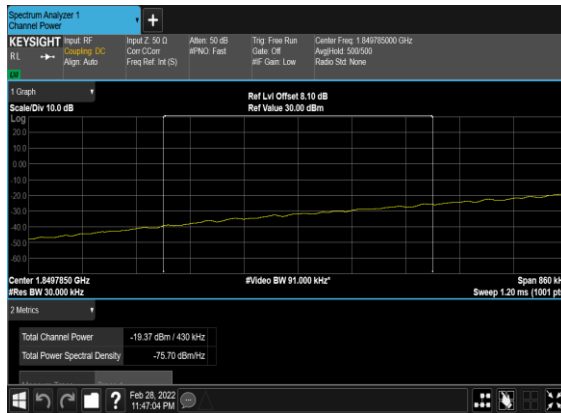
B66\_N25(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



B66\_N25(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



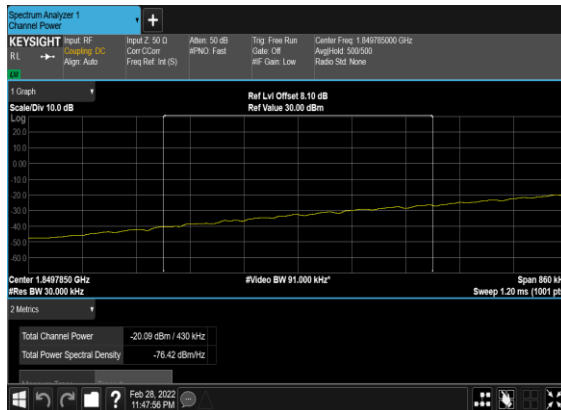
B66\_N25(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_CH\_P  
ASS



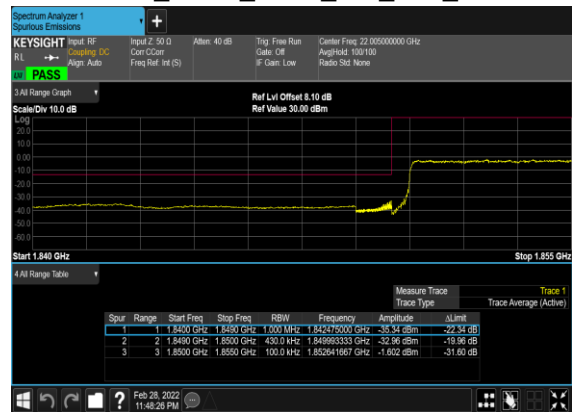
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OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



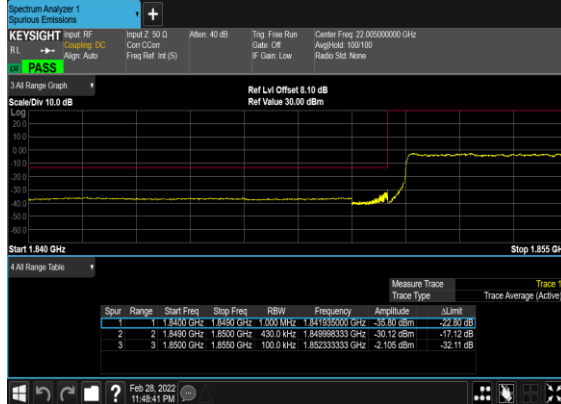
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OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CH\_P  
ASS



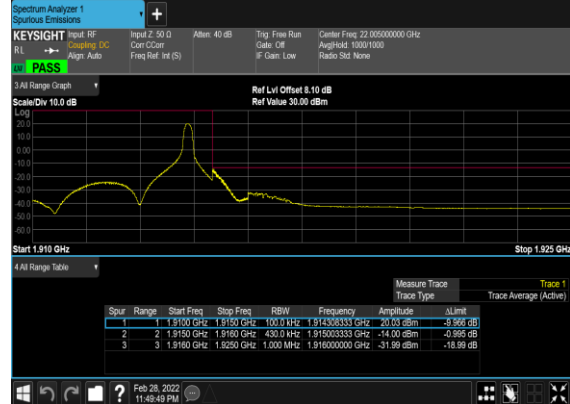
B66\_N25(40M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



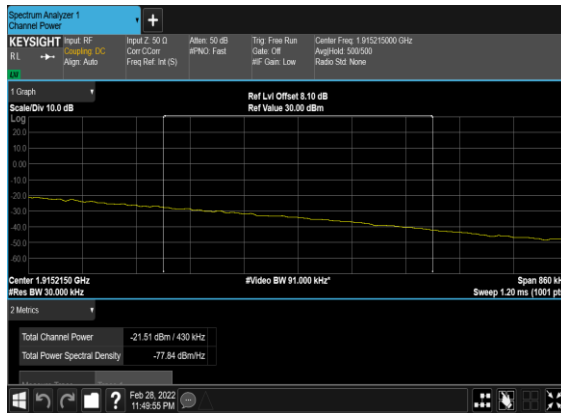
B66\_N25(40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



B66\_N25(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



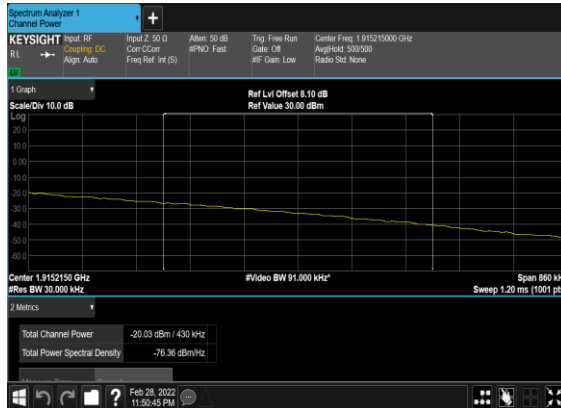
B66\_N25(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH\_chp  
\_PASS



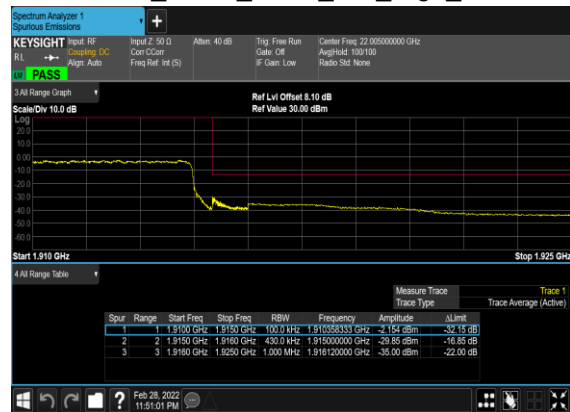
B66\_N25(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



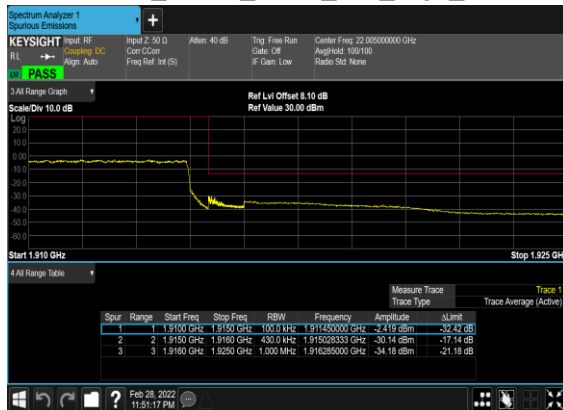
B66\_N25(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH\_chp  
\_PASS



B66\_N25(40M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



# B66\_N25(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



# FR1 N41

LTE Band: 2, LTE BW: 10M, LTE ARFCN: Mid

## Transmitter Conducted Output Power And EIRP, ( $G_T-L_C$ ) =-2.0dB

| NR<br>Band | SCS<br>(kHz) | Bandwidth<br>(MHz) | Arfcn  | Freq<br>(MHz) | Modulation           | RB    | Conducted<br>Power(dBm) | EIRP<br>(dBm) | EIRP<br>(W) |
|------------|--------------|--------------------|--------|---------------|----------------------|-------|-------------------------|---------------|-------------|
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM PI/2 BPSK | 25@12 | 25.71                   | 23.71         | 0.2350      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM PI/2 BPSK | 1@1   | 25.61                   | 23.61         | 0.2296      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM PI/2 BPSK | 1@49  | 25.43                   | 23.43         | 0.2203      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM QPSK      | 25@12 | 25.74                   | 23.74         | 0.2366      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM QPSK      | 1@1   | 25.6                    | 23.6          | 0.2291      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM QPSK      | 1@49  | 25.52                   | 23.52         | 0.2249      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM 16 QAM    | 25@12 | 24.72                   | 22.72         | 0.1871      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM 16 QAM    | 1@1   | 24.54                   | 22.54         | 0.1795      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM 16 QAM    | 1@49  | 24.38                   | 22.38         | 0.1730      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM 64 QAM    | 25@12 | 23.16                   | 21.16         | 0.1306      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM 64 QAM    | 1@1   | 22.94                   | 20.94         | 0.1242      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM 64 QAM    | 1@49  | 22.81                   | 20.81         | 0.1205      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM 256 QAM   | 25@12 | 21.35                   | 19.35         | 0.0861      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM 256 QAM   | 1@1   | 21.2                    | 19.2          | 0.0832      |
| 41         | 30           | 20                 | 501204 | 2506.02       | DFT-s-OFDM 256 QAM   | 1@49  | 21.11                   | 19.11         | 0.0815      |
| 41         | 30           | 20                 | 501204 | 2506.02       | CP-OFDM QPSK         | 25@12 | 24.18                   | 22.18         | 0.1652      |
| 41         | 30           | 20                 | 501204 | 2506.02       | CP-OFDM QPSK         | 1@1   | 24.09                   | 22.09         | 0.1618      |
| 41         | 30           | 20                 | 501204 | 2506.02       | CP-OFDM QPSK         | 1@49  | 24                      | 22            | 0.1585      |

|    |    |    |        |         |                      |       |       |       |        |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 25@12 | 25.83 | 23.83 | 0.2415 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1   | 25.61 | 23.61 | 0.2296 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@49  | 25.67 | 23.67 | 0.2328 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 25@12 | 25.86 | 23.86 | 0.2432 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@1   | 25.6  | 23.6  | 0.2291 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@49  | 25.64 | 23.64 | 0.2312 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 25@12 | 24.78 | 22.78 | 0.1897 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@1   | 24.52 | 22.52 | 0.1786 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@49  | 24.55 | 22.55 | 0.1799 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 25@12 | 23.33 | 21.33 | 0.1358 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@1   | 23.08 | 21.08 | 0.1282 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@49  | 22.99 | 20.99 | 0.1256 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 25@12 | 21.41 | 19.41 | 0.0873 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@1   | 21.24 | 19.24 | 0.0839 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@49  | 21.29 | 19.29 | 0.0849 |
| 41 | 30 | 20 | 518598 | 2592.99 | CP-OFDM QPSK         | 25@12 | 24.33 | 22.33 | 0.1710 |
| 41 | 30 | 20 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@1   | 24.1  | 22.1  | 0.1622 |
| 41 | 30 | 20 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@49  | 24.18 | 22.18 | 0.1652 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM PI/2 BPSK | 25@12 | 25.76 | 23.76 | 0.2377 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM PI/2 BPSK | 1@1   | 25.47 | 23.47 | 0.2223 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM PI/2 BPSK | 1@49  | 25.61 | 23.61 | 0.2296 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK      | 25@12 | 25.77 | 23.77 | 0.2382 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK      | 1@1   | 25.41 | 23.41 | 0.2193 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM           | 1@49  | 25.62 | 23.62 | 0.2301 |

|      |    |    |        |         |                      |       |       |       |        |
|------|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| QPSK |    |    |        |         |                      |       |       |       |        |
| 41   | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 16 QAM    | 25@12 | 24.8  | 22.8  | 0.1905 |
| 41   | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 16 QAM    | 1@1   | 24.36 | 22.36 | 0.1722 |
| 41   | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 16 QAM    | 1@49  | 24.48 | 22.48 | 0.1770 |
| 41   | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 64 QAM    | 25@12 | 23.21 | 21.21 | 0.1321 |
| 41   | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 64 QAM    | 1@1   | 22.98 | 20.98 | 0.1253 |
| 41   | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 64 QAM    | 1@49  | 22.93 | 20.93 | 0.1239 |
| 41   | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 256 QAM   | 25@12 | 21.4  | 19.4  | 0.0871 |
| 41   | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 256 QAM   | 1@1   | 21.09 | 19.09 | 0.0811 |
| 41   | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 256 QAM   | 1@49  | 21.28 | 19.28 | 0.0847 |
| 41   | 30 | 20 | 535998 | 2679.99 | CP-OFDM QPSK         | 25@12 | 24.19 | 22.19 | 0.1656 |
| 41   | 30 | 20 | 535998 | 2679.99 | CP-OFDM QPSK         | 1@1   | 23.97 | 21.97 | 0.1574 |
| 41   | 30 | 20 | 535998 | 2679.99 | CP-OFDM QPSK         | 1@49  | 24.14 | 22.14 | 0.1637 |
| 41   | 30 | 30 | 502200 | 2511    | DFT-s-OFDM PI/2 BPSK | 36@18 | 25.7  | 23.7  | 0.2344 |
| 41   | 30 | 30 | 502200 | 2511    | DFT-s-OFDM PI/2 BPSK | 1@1   | 25.39 | 23.39 | 0.2183 |
| 41   | 30 | 30 | 502200 | 2511    | DFT-s-OFDM PI/2 BPSK | 1@76  | 25.44 | 23.44 | 0.2208 |
| 41   | 30 | 30 | 502200 | 2511    | DFT-s-OFDM QPSK      | 36@18 | 25.72 | 23.72 | 0.2355 |
| 41   | 30 | 30 | 502200 | 2511    | DFT-s-OFDM QPSK      | 1@1   | 25.42 | 23.42 | 0.2198 |
| 41   | 30 | 30 | 502200 | 2511    | DFT-s-OFDM QPSK      | 1@76  | 25.45 | 23.45 | 0.2213 |
| 41   | 30 | 30 | 502200 | 2511    | DFT-s-OFDM 16 QAM    | 36@18 | 24.68 | 22.68 | 0.1854 |
| 41   | 30 | 30 | 502200 | 2511    | DFT-s-OFDM 16 QAM    | 1@1   | 24.34 | 22.34 | 0.1714 |
| 41   | 30 | 30 | 502200 | 2511    | DFT-s-OFDM 16 QAM    | 1@76  | 24.36 | 22.36 | 0.1722 |
| 41   | 30 | 30 | 502200 | 2511    | DFT-s-OFDM 64 QAM    | 36@18 | 23.17 | 21.17 | 0.1309 |
| 41   | 30 | 30 | 502200 | 2511    | DFT-s-OFDM 64 QAM    | 1@1   | 22.76 | 20.76 | 0.1191 |

|    |    |    |        |         |                      |       |       |       |        |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 41 | 30 | 30 | 502200 | 2511    | DFT-s-OFDM 64 QAM    | 1@76  | 22.9  | 20.9  | 0.1230 |
| 41 | 30 | 30 | 502200 | 2511    | DFT-s-OFDM 256 QAM   | 36@18 | 21.35 | 19.35 | 0.0861 |
| 41 | 30 | 30 | 502200 | 2511    | DFT-s-OFDM 256 QAM   | 1@1   | 21    | 19    | 0.0794 |
| 41 | 30 | 30 | 502200 | 2511    | DFT-s-OFDM 256 QAM   | 1@76  | 21.05 | 19.05 | 0.0804 |
| 41 | 30 | 30 | 502200 | 2511    | CP-OFDM QPSK         | 39@19 | 24.27 | 22.27 | 0.1687 |
| 41 | 30 | 30 | 502200 | 2511    | CP-OFDM QPSK         | 1@1   | 23.89 | 21.89 | 0.1545 |
| 41 | 30 | 30 | 502200 | 2511    | CP-OFDM QPSK         | 1@76  | 23.95 | 21.95 | 0.1567 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 36@18 | 25.79 | 23.79 | 0.2393 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1   | 25.34 | 23.34 | 0.2158 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@76  | 25.49 | 23.49 | 0.2234 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 36@18 | 25.86 | 23.86 | 0.2432 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@1   | 25.36 | 23.36 | 0.2168 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@76  | 25.46 | 23.46 | 0.2218 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 36@18 | 24.79 | 22.79 | 0.1901 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@1   | 24.27 | 22.27 | 0.1687 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@76  | 24.4  | 22.4  | 0.1738 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 36@18 | 23.27 | 21.27 | 0.1340 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@1   | 22.73 | 20.73 | 0.1183 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@76  | 22.92 | 20.92 | 0.1236 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 36@18 | 21.37 | 19.37 | 0.0865 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@1   | 20.93 | 18.93 | 0.0782 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@76  | 21.13 | 19.13 | 0.0818 |
| 41 | 30 | 30 | 518598 | 2592.99 | CP-OFDM QPSK         | 39@19 | 24.3  | 22.3  | 0.1698 |
| 41 | 30 | 30 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@1   | 23.94 | 21.94 | 0.1563 |

|    |    |    |        |         |                             |       |       |       |        |
|----|----|----|--------|---------|-----------------------------|-------|-------|-------|--------|
| 41 | 30 | 30 | 518598 | 2592.99 | CP-OFDM<br>QPSK             | 1@76  | 23.95 | 21.95 | 0.1567 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 36@18 | 25.66 | 23.66 | 0.2323 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1   | 25.26 | 23.26 | 0.2118 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@76  | 25.48 | 23.48 | 0.2228 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM<br>QPSK      | 36@18 | 25.68 | 23.68 | 0.2333 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM<br>QPSK      | 1@1   | 25.23 | 23.23 | 0.2104 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM<br>QPSK      | 1@76  | 25.49 | 23.49 | 0.2234 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM 16<br>QAM    | 36@18 | 24.72 | 22.72 | 0.1871 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM 16<br>QAM    | 1@1   | 24.16 | 22.16 | 0.1644 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM 16<br>QAM    | 1@76  | 24.38 | 22.38 | 0.1730 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM 64<br>QAM    | 36@18 | 23.19 | 21.19 | 0.1315 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM 64<br>QAM    | 1@1   | 22.8  | 20.8  | 0.1202 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM 64<br>QAM    | 1@76  | 22.91 | 20.91 | 0.1233 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM 256<br>QAM   | 36@18 | 21.26 | 19.26 | 0.0843 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM 256<br>QAM   | 1@1   | 20.86 | 18.86 | 0.0769 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-<br>OFDM 256<br>QAM   | 1@76  | 21.1  | 19.1  | 0.0813 |
| 41 | 30 | 30 | 534996 | 2674.98 | CP-OFDM<br>QPSK             | 39@19 | 24.22 | 22.22 | 0.1667 |
| 41 | 30 | 30 | 534996 | 2674.98 | CP-OFDM<br>QPSK             | 1@1   | 23.78 | 21.78 | 0.1507 |
| 41 | 30 | 30 | 534996 | 2674.98 | CP-OFDM<br>QPSK             | 1@76  | 23.97 | 21.97 | 0.1574 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-<br>OFDM PI/2<br>BPSK | 50@25 | 25.69 | 23.69 | 0.2339 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1   | 25.19 | 23.19 | 0.2084 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@104 | 25.31 | 23.31 | 0.2143 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-<br>OFDM<br>QPSK      | 50@25 | 25.7  | 23.7  | 0.2344 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-<br>OFDM<br>QPSK      | 1@1   | 25.17 | 23.17 | 0.2075 |

|    |    |    |        |         |                      |       |       |       |        |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM QPSK      | 1@104 | 25.27 | 23.27 | 0.2123 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 16 QAM    | 50@25 | 24.69 | 22.69 | 0.1858 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 16 QAM    | 1@1   | 24.41 | 22.41 | 0.1742 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 16 QAM    | 1@104 | 24.49 | 22.49 | 0.1774 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 64 QAM    | 50@25 | 23.22 | 21.22 | 0.1324 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 64 QAM    | 1@1   | 22.8  | 20.8  | 0.1202 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 64 QAM    | 1@104 | 22.87 | 20.87 | 0.1222 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 256 QAM   | 50@25 | 21.31 | 19.31 | 0.0853 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 256 QAM   | 1@1   | 20.82 | 18.82 | 0.0762 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 256 QAM   | 1@104 | 20.93 | 18.93 | 0.0782 |
| 41 | 30 | 40 | 503202 | 2516.01 | CP-OFDM QPSK         | 53@26 | 24.2  | 22.2  | 0.1660 |
| 41 | 30 | 40 | 503202 | 2516.01 | CP-OFDM QPSK         | 1@1   | 23.71 | 21.71 | 0.1483 |
| 41 | 30 | 40 | 503202 | 2516.01 | CP-OFDM QPSK         | 1@104 | 23.86 | 21.86 | 0.1535 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 50@25 | 25.8  | 23.8  | 0.2399 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1   | 25.13 | 23.13 | 0.2056 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@104 | 25.34 | 23.34 | 0.2158 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 50@25 | 25.79 | 23.79 | 0.2393 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@1   | 25.1  | 23.1  | 0.2042 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@104 | 25.31 | 23.31 | 0.2143 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 50@25 | 24.8  | 22.8  | 0.1905 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@1   | 24.11 | 22.11 | 0.1626 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@104 | 24.26 | 22.26 | 0.1683 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 50@25 | 23.3  | 21.3  | 0.1349 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@1   | 22.42 | 20.42 | 0.1102 |

|     |    |    |        |         |                      |       |       |       |        |
|-----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| QAM |    |    |        |         |                      |       |       |       |        |
| 41  | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@104 | 22.72 | 20.72 | 0.1180 |
| 41  | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 50@25 | 21.46 | 19.46 | 0.0883 |
| 41  | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@1   | 20.71 | 18.71 | 0.0743 |
| 41  | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@104 | 20.95 | 18.95 | 0.0785 |
| 41  | 30 | 40 | 518598 | 2592.99 | CP-OFDM QPSK         | 53@26 | 24.27 | 22.27 | 0.1687 |
| 41  | 30 | 40 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@1   | 23.61 | 21.61 | 0.1449 |
| 41  | 30 | 40 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@104 | 23.86 | 21.86 | 0.1535 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM PI/2 BPSK | 50@25 | 25.68 | 23.68 | 0.2333 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM PI/2 BPSK | 1@1   | 25.08 | 23.08 | 0.2032 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM PI/2 BPSK | 1@104 | 25.34 | 23.34 | 0.2158 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM QPSK      | 50@25 | 25.71 | 23.71 | 0.2350 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM QPSK      | 1@1   | 25.07 | 23.07 | 0.2028 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM QPSK      | 1@104 | 25.3  | 23.3  | 0.2138 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM 16 QAM    | 50@25 | 24.7  | 22.7  | 0.1862 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM 16 QAM    | 1@1   | 23.97 | 21.97 | 0.1574 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM 16 QAM    | 1@104 | 24.29 | 22.29 | 0.1694 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM 64 QAM    | 50@25 | 23.16 | 21.16 | 0.1306 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM 64 QAM    | 1@1   | 22.46 | 20.46 | 0.1112 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM 64 QAM    | 1@104 | 22.71 | 20.71 | 0.1178 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM 256 QAM   | 50@25 | 21.26 | 19.26 | 0.0843 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM 256 QAM   | 1@1   | 20.71 | 18.71 | 0.0743 |
| 41  | 30 | 40 | 534000 | 2670    | DFT-s-OFDM 256 QAM   | 1@104 | 20.97 | 18.97 | 0.0789 |
| 41  | 30 | 40 | 534000 | 2670    | CP-OFDM QPSK         | 53@26 | 24.21 | 22.21 | 0.1663 |

|    |    |    |        |         |                             |       |       |       |        |
|----|----|----|--------|---------|-----------------------------|-------|-------|-------|--------|
| 41 | 30 | 40 | 534000 | 2670    | CP-OFDM<br>QPSK             | 1@1   | 23.63 | 21.63 | 0.1455 |
| 41 | 30 | 40 | 534000 | 2670    | CP-OFDM<br>QPSK             | 1@104 | 23.85 | 21.85 | 0.1531 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM PI/2<br>BPSK | 64@32 | 25.74 | 23.74 | 0.2366 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1   | 25.44 | 23.44 | 0.2208 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@131 | 25.5  | 23.5  | 0.2239 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM<br>QPSK      | 64@32 | 25.78 | 23.78 | 0.2388 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM<br>QPSK      | 1@1   | 25.37 | 23.37 | 0.2173 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM<br>QPSK      | 1@131 | 25.5  | 23.5  | 0.2239 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM 16<br>QAM    | 64@32 | 24.8  | 22.8  | 0.1905 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM 16<br>QAM    | 1@1   | 24.28 | 22.28 | 0.1690 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM 16<br>QAM    | 1@131 | 24.4  | 22.4  | 0.1738 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM 64<br>QAM    | 64@32 | 23.23 | 21.23 | 0.1327 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM 64<br>QAM    | 1@1   | 22.67 | 20.67 | 0.1167 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM 64<br>QAM    | 1@131 | 23.06 | 21.06 | 0.1276 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM 256<br>QAM   | 64@32 | 21.37 | 19.37 | 0.0865 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM 256<br>QAM   | 1@1   | 21.05 | 19.05 | 0.0804 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-<br>OFDM 256<br>QAM   | 1@131 | 21.14 | 19.14 | 0.0820 |
| 41 | 30 | 50 | 504204 | 2521.02 | CP-OFDM<br>QPSK             | 67@33 | 24.21 | 22.21 | 0.1663 |
| 41 | 30 | 50 | 504204 | 2521.02 | CP-OFDM<br>QPSK             | 1@1   | 23.91 | 21.91 | 0.1552 |
| 41 | 30 | 50 | 504204 | 2521.02 | CP-OFDM<br>QPSK             | 1@131 | 24.03 | 22.03 | 0.1596 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-<br>OFDM PI/2<br>BPSK | 64@32 | 25.82 | 23.82 | 0.2410 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1   | 25.34 | 23.34 | 0.2158 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@131 | 25.55 | 23.55 | 0.2265 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-<br>OFDM<br>QPSK      | 64@32 | 25.84 | 23.84 | 0.2421 |

|    |    |    |        |         |                      |       |       |       |        |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@1   | 25.33 | 23.33 | 0.2153 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@131 | 25.53 | 23.53 | 0.2254 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 64@32 | 24.85 | 22.85 | 0.1928 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@1   | 24.24 | 22.24 | 0.1675 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@131 | 24.41 | 22.41 | 0.1742 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 64@32 | 23.31 | 21.31 | 0.1352 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@1   | 22.83 | 20.83 | 0.1211 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@131 | 22.9  | 20.9  | 0.1230 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 64@32 | 21.42 | 19.42 | 0.0875 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@1   | 21.01 | 19.01 | 0.0796 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@131 | 21.26 | 19.26 | 0.0843 |
| 41 | 30 | 50 | 518598 | 2592.99 | CP-OFDM QPSK         | 67@33 | 24.28 | 22.28 | 0.1690 |
| 41 | 30 | 50 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@1   | 23.89 | 21.89 | 0.1545 |
| 41 | 30 | 50 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@131 | 24.02 | 22.02 | 0.1592 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM PI/2 BPSK | 64@32 | 25.7  | 23.7  | 0.2344 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM PI/2 BPSK | 1@1   | 25.23 | 23.23 | 0.2104 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM PI/2 BPSK | 1@131 | 25.54 | 23.54 | 0.2259 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK      | 64@32 | 25.75 | 23.75 | 0.2371 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK      | 1@1   | 25.25 | 23.25 | 0.2113 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK      | 1@131 | 25.48 | 23.48 | 0.2228 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 16 QAM    | 64@32 | 24.78 | 22.78 | 0.1897 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 16 QAM    | 1@1   | 24.14 | 22.14 | 0.1637 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 16 QAM    | 1@131 | 24.39 | 22.39 | 0.1734 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 64        | 64@32 | 23.21 | 21.21 | 0.1321 |

|    |    |    |        |         |                      |       |       |       |        |  |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|--|
|    |    |    |        |         | QAM                  |       |       |       |        |  |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 64 QAM    | 1@1   | 22.7  | 20.7  | 0.1175 |  |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 64 QAM    | 1@131 | 23.01 | 21.01 | 0.1262 |  |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 256 QAM   | 64@32 | 21.31 | 19.31 | 0.0853 |  |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 256 QAM   | 1@1   | 20.92 | 18.92 | 0.0780 |  |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 256 QAM   | 1@131 | 21.2  | 19.2  | 0.0832 |  |
| 41 | 30 | 50 | 532998 | 2664.99 | CP-OFDM QPSK         | 67@33 | 24.21 | 22.21 | 0.1663 |  |
| 41 | 30 | 50 | 532998 | 2664.99 | CP-OFDM QPSK         | 1@1   | 23.75 | 21.75 | 0.1496 |  |
| 41 | 30 | 50 | 532998 | 2664.99 | CP-OFDM QPSK         | 1@131 | 24.06 | 22.06 | 0.1607 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM PI/2 BPSK | 81@40 | 25.75 | 23.75 | 0.2371 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM PI/2 BPSK | 1@1   | 25.28 | 23.28 | 0.2128 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM PI/2 BPSK | 1@160 | 25.39 | 23.39 | 0.2183 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM QPSK      | 81@40 | 25.81 | 23.81 | 0.2404 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM QPSK      | 1@1   | 25.24 | 23.24 | 0.2109 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM QPSK      | 1@160 | 25.38 | 23.38 | 0.2178 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM 16 QAM    | 81@40 | 24.79 | 22.79 | 0.1901 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM 16 QAM    | 1@1   | 24.2  | 22.2  | 0.1660 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM 16 QAM    | 1@160 | 24.44 | 22.44 | 0.1754 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM 64 QAM    | 81@40 | 23.27 | 21.27 | 0.1340 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM 64 QAM    | 1@1   | 22.85 | 20.85 | 0.1216 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM 64 QAM    | 1@160 | 22.91 | 20.91 | 0.1233 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM 256 QAM   | 81@40 | 21.42 | 19.42 | 0.0875 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM 256 QAM   | 1@1   | 20.92 | 18.92 | 0.0780 |  |
| 41 | 30 | 60 | 505200 | 2526    | DFT-s-OFDM 256 QAM   | 1@160 | 21.07 | 19.07 | 0.0807 |  |

|    |    |    |        |         |                             |       |       |       |        |
|----|----|----|--------|---------|-----------------------------|-------|-------|-------|--------|
| 41 | 30 | 60 | 505200 | 2526    | CP-OFDM<br>QPSK             | 81@40 | 24.22 | 22.22 | 0.1667 |
| 41 | 30 | 60 | 505200 | 2526    | CP-OFDM<br>QPSK             | 1@1   | 23.79 | 21.79 | 0.1510 |
| 41 | 30 | 60 | 505200 | 2526    | CP-OFDM<br>QPSK             | 1@160 | 23.92 | 21.92 | 0.1556 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM PI/2<br>BPSK | 81@40 | 25.76 | 23.76 | 0.2377 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1   | 25.21 | 23.21 | 0.2094 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@160 | 25.43 | 23.43 | 0.2203 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM<br>QPSK      | 81@40 | 25.77 | 23.77 | 0.2382 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM<br>QPSK      | 1@1   | 25.21 | 23.21 | 0.2094 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM<br>QPSK      | 1@160 | 25.43 | 23.43 | 0.2203 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM 16<br>QAM    | 81@40 | 24.78 | 22.78 | 0.1897 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM 16<br>QAM    | 1@1   | 24.13 | 22.13 | 0.1633 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM 16<br>QAM    | 1@160 | 24.28 | 22.28 | 0.1690 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM 64<br>QAM    | 81@40 | 23.22 | 21.22 | 0.1324 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM 64<br>QAM    | 1@1   | 22.52 | 20.52 | 0.1127 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM 64<br>QAM    | 1@160 | 22.95 | 20.95 | 0.1245 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM 256<br>QAM   | 81@40 | 21.4  | 19.4  | 0.0871 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM 256<br>QAM   | 1@1   | 20.93 | 18.93 | 0.0782 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-<br>OFDM 256<br>QAM   | 1@160 | 21.1  | 19.1  | 0.0813 |
| 41 | 30 | 60 | 518598 | 2592.99 | CP-OFDM<br>QPSK             | 81@40 | 24.26 | 22.26 | 0.1683 |
| 41 | 30 | 60 | 518598 | 2592.99 | CP-OFDM<br>QPSK             | 1@1   | 23.72 | 21.72 | 0.1486 |
| 41 | 30 | 60 | 518598 | 2592.99 | CP-OFDM<br>QPSK             | 1@160 | 23.97 | 21.97 | 0.1574 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 81@40 | 25.71 | 23.71 | 0.2350 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1   | 25.16 | 23.16 | 0.2070 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@160 | 25.47 | 23.47 | 0.2223 |

|    |    |    |        |         |                      |       |       |       |        |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM QPSK      | 81@40 | 25.71 | 23.71 | 0.2350 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM QPSK      | 1@1   | 25.11 | 23.11 | 0.2046 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM QPSK      | 1@160 | 25.43 | 23.43 | 0.2203 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 16 QAM    | 81@40 | 24.73 | 22.73 | 0.1875 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 16 QAM    | 1@1   | 24.12 | 22.12 | 0.1629 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 16 QAM    | 1@160 | 24.41 | 22.41 | 0.1742 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 64 QAM    | 81@40 | 23.24 | 21.24 | 0.1330 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 64 QAM    | 1@1   | 22.6  | 20.6  | 0.1148 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 64 QAM    | 1@160 | 23.05 | 21.05 | 0.1274 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 256 QAM   | 81@40 | 21.35 | 19.35 | 0.0861 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 256 QAM   | 1@1   | 20.87 | 18.87 | 0.0771 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 256 QAM   | 1@160 | 21.21 | 19.21 | 0.0834 |
| 41 | 30 | 60 | 531996 | 2659.98 | CP-OFDM QPSK         | 81@40 | 24.17 | 22.17 | 0.1648 |
| 41 | 30 | 60 | 531996 | 2659.98 | CP-OFDM QPSK         | 1@1   | 23.65 | 21.65 | 0.1462 |
| 41 | 30 | 60 | 531996 | 2659.98 | CP-OFDM QPSK         | 1@160 | 23.97 | 21.97 | 0.1574 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM PI/2 BPSK | 90@45 | 25.79 | 23.79 | 0.2393 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM PI/2 BPSK | 1@1   | 25.3  | 23.3  | 0.2138 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM PI/2 BPSK | 1@187 | 25.39 | 23.39 | 0.2183 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM QPSK      | 90@45 | 25.79 | 23.79 | 0.2393 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM QPSK      | 1@1   | 25.25 | 23.25 | 0.2113 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM QPSK      | 1@187 | 25.38 | 23.38 | 0.2178 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 16 QAM    | 90@45 | 24.81 | 22.81 | 0.1910 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 16 QAM    | 1@1   | 24.16 | 22.16 | 0.1644 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 16 QAM    | 1@187 | 24.27 | 22.27 | 0.1687 |

|     |    |    |        |         |                      |       |       |       |        |
|-----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| QAM |    |    |        |         |                      |       |       |       |        |
| 41  | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 64 QAM    | 90@45 | 23.25 | 21.25 | 0.1334 |
| 41  | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 64 QAM    | 1@1   | 22.53 | 20.53 | 0.1130 |
| 41  | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 64 QAM    | 1@187 | 22.87 | 20.87 | 0.1222 |
| 41  | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 256 QAM   | 90@45 | 21.42 | 19.42 | 0.0875 |
| 41  | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 256 QAM   | 1@1   | 20.98 | 18.98 | 0.0791 |
| 41  | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 256 QAM   | 1@187 | 21.12 | 19.12 | 0.0817 |
| 41  | 30 | 70 | 506202 | 2531.01 | CP-OFDM QPSK         | 95@47 | 24.21 | 22.21 | 0.1663 |
| 41  | 30 | 70 | 506202 | 2531.01 | CP-OFDM QPSK         | 1@1   | 23.82 | 21.82 | 0.1521 |
| 41  | 30 | 70 | 506202 | 2531.01 | CP-OFDM QPSK         | 1@187 | 23.95 | 21.95 | 0.1567 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 90@45 | 25.8  | 23.8  | 0.2399 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1   | 25.15 | 23.15 | 0.2065 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@187 | 25.38 | 23.38 | 0.2178 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 90@45 | 25.83 | 23.83 | 0.2415 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@1   | 25.18 | 23.18 | 0.2080 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@187 | 25.38 | 23.38 | 0.2178 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 90@45 | 24.8  | 22.8  | 0.1905 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@1   | 24.04 | 22.04 | 0.1600 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@187 | 24.19 | 22.19 | 0.1656 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 90@45 | 23.31 | 21.31 | 0.1352 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@1   | 22.6  | 20.6  | 0.1148 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@187 | 22.9  | 20.9  | 0.1230 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 90@45 | 21.42 | 19.42 | 0.0875 |
| 41  | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@1   | 20.91 | 18.91 | 0.0778 |

|    |    |    |        |         |                      |        |       |       |        |
|----|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@187  | 21.02 | 19.02 | 0.0798 |
| 41 | 30 | 70 | 518598 | 2592.99 | CP-OFDM QPSK         | 95@47  | 24.31 | 22.31 | 0.1702 |
| 41 | 30 | 70 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@1    | 23.71 | 21.71 | 0.1483 |
| 41 | 30 | 70 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@187  | 24    | 22    | 0.1585 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM PI/2 BPSK | 90@45  | 25.79 | 23.79 | 0.2393 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM PI/2 BPSK | 1@1    | 25.1  | 23.1  | 0.2042 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM PI/2 BPSK | 1@187  | 25.47 | 23.47 | 0.2223 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM QPSK      | 90@45  | 25.84 | 23.84 | 0.2421 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM QPSK      | 1@1    | 25.16 | 23.16 | 0.2070 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM QPSK      | 1@187  | 25.46 | 23.46 | 0.2218 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM 16 QAM    | 90@45  | 24.81 | 22.81 | 0.1910 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM 16 QAM    | 1@1    | 23.97 | 21.97 | 0.1574 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM 16 QAM    | 1@187  | 24.37 | 22.37 | 0.1726 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM 64 QAM    | 90@45  | 23.24 | 21.24 | 0.1330 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM 64 QAM    | 1@1    | 22.49 | 20.49 | 0.1119 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM 64 QAM    | 1@187  | 22.96 | 20.96 | 0.1247 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM 256 QAM   | 90@45  | 21.41 | 19.41 | 0.0873 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM 256 QAM   | 1@1    | 20.83 | 18.83 | 0.0764 |
| 41 | 30 | 70 | 531000 | 2655    | DFT-s-OFDM 256 QAM   | 1@187  | 21.21 | 19.21 | 0.0834 |
| 41 | 30 | 70 | 531000 | 2655    | CP-OFDM QPSK         | 95@47  | 24.22 | 22.22 | 0.1667 |
| 41 | 30 | 70 | 531000 | 2655    | CP-OFDM QPSK         | 1@1    | 23.66 | 21.66 | 0.1466 |
| 41 | 30 | 70 | 531000 | 2655    | CP-OFDM QPSK         | 1@187  | 24.14 | 22.14 | 0.1637 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM PI/2 BPSK | 108@54 | 25.83 | 23.83 | 0.2415 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM PI/2 BPSK | 1@1    | 25.14 | 23.14 | 0.2061 |

|    |    |    |        |         |                      |        |       |       |        |
|----|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM PI/2 BPSK | 1@215  | 25.29 | 23.29 | 0.2133 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM QPSK      | 108@54 | 25.79 | 23.79 | 0.2393 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM QPSK      | 1@1    | 25.1  | 23.1  | 0.2042 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM QPSK      | 1@215  | 25.25 | 23.25 | 0.2113 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 16 QAM    | 108@54 | 24.79 | 22.79 | 0.1901 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 16 QAM    | 1@1    | 24.08 | 22.08 | 0.1614 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 16 QAM    | 1@215  | 24.16 | 22.16 | 0.1644 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 64 QAM    | 108@54 | 23.26 | 21.26 | 0.1337 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 64 QAM    | 1@1    | 22.5  | 20.5  | 0.1122 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 64 QAM    | 1@215  | 22.76 | 20.76 | 0.1191 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 256 QAM   | 108@54 | 21.46 | 19.46 | 0.0883 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 256 QAM   | 1@1    | 21    | 19    | 0.0794 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 256 QAM   | 1@215  | 21.13 | 19.13 | 0.0818 |
| 41 | 30 | 80 | 507204 | 2536.02 | CP-OFDM QPSK         | 109@54 | 24.35 | 22.35 | 0.1718 |
| 41 | 30 | 80 | 507204 | 2536.02 | CP-OFDM QPSK         | 1@1    | 23.66 | 21.66 | 0.1466 |
| 41 | 30 | 80 | 507204 | 2536.02 | CP-OFDM QPSK         | 1@215  | 23.77 | 21.77 | 0.1503 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 108@54 | 25.81 | 23.81 | 0.2404 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1    | 25.01 | 23.01 | 0.2000 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@215  | 25.26 | 23.26 | 0.2118 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 108@54 | 25.82 | 23.82 | 0.2410 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@1    | 25.02 | 23.02 | 0.2004 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@215  | 25.26 | 23.26 | 0.2118 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 108@54 | 24.8  | 22.8  | 0.1905 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@1    | 23.91 | 21.91 | 0.1552 |

|     |    |    |        |         |                      |        |       |       |        |
|-----|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| QAM |    |    |        |         |                      |        |       |       |        |
| 41  | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@215  | 24.15 | 22.15 | 0.1641 |
| 41  | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 108@54 | 23.29 | 21.29 | 0.1346 |
| 41  | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@1    | 22.35 | 20.35 | 0.1084 |
| 41  | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@215  | 22.71 | 20.71 | 0.1178 |
| 41  | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 108@54 | 21.48 | 19.48 | 0.0887 |
| 41  | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@1    | 20.78 | 18.78 | 0.0755 |
| 41  | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@215  | 21.06 | 19.06 | 0.0805 |
| 41  | 30 | 80 | 518598 | 2592.99 | CP-OFDM QPSK         | 109@54 | 24.3  | 22.3  | 0.1698 |
| 41  | 30 | 80 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@1    | 23.54 | 21.54 | 0.1426 |
| 41  | 30 | 80 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@215  | 23.77 | 21.77 | 0.1503 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM PI/2 BPSK | 108@54 | 25.75 | 23.75 | 0.2371 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM PI/2 BPSK | 1@1    | 25    | 23    | 0.1995 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM PI/2 BPSK | 1@215  | 25.38 | 23.38 | 0.2178 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM QPSK      | 108@54 | 25.78 | 23.78 | 0.2388 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM QPSK      | 1@1    | 25.03 | 23.03 | 0.2009 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM QPSK      | 1@215  | 25.41 | 23.41 | 0.2193 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 16 QAM    | 108@54 | 24.8  | 22.8  | 0.1905 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 16 QAM    | 1@1    | 23.83 | 21.83 | 0.1524 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 16 QAM    | 1@215  | 24.19 | 22.19 | 0.1656 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 64 QAM    | 108@54 | 23.25 | 21.25 | 0.1334 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 64 QAM    | 1@1    | 22.45 | 20.45 | 0.1109 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 64 QAM    | 1@215  | 22.78 | 20.78 | 0.1197 |
| 41  | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 256 QAM   | 108@54 | 21.45 | 19.45 | 0.0881 |

|    |    |    |        |         |                      |        |       |       |        |
|----|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 256 QAM   | 1@1    | 20.82 | 18.82 | 0.0762 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 256 QAM   | 1@215  | 21.13 | 19.13 | 0.0818 |
| 41 | 30 | 80 | 529998 | 2649.99 | CP-OFDM QPSK         | 109@54 | 24.28 | 22.28 | 0.1690 |
| 41 | 30 | 80 | 529998 | 2649.99 | CP-OFDM QPSK         | 1@1    | 23.49 | 21.49 | 0.1409 |
| 41 | 30 | 80 | 529998 | 2649.99 | CP-OFDM QPSK         | 1@215  | 23.91 | 21.91 | 0.1552 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM PI/2 BPSK | 120@60 | 25.81 | 23.81 | 0.2404 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM PI/2 BPSK | 1@1    | 25.01 | 23.01 | 0.2000 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM PI/2 BPSK | 1@243  | 25.2  | 23.2  | 0.2089 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM QPSK      | 120@60 | 25.82 | 23.82 | 0.2410 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM QPSK      | 1@1    | 24.96 | 22.96 | 0.1977 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM QPSK      | 1@243  | 25.2  | 23.2  | 0.2089 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM 16 QAM    | 120@60 | 24.78 | 22.78 | 0.1897 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM 16 QAM    | 1@1    | 23.86 | 21.86 | 0.1535 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM 16 QAM    | 1@243  | 24.14 | 22.14 | 0.1637 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM 64 QAM    | 120@60 | 23.23 | 21.23 | 0.1327 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM 64 QAM    | 1@1    | 22.34 | 20.34 | 0.1081 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM 64 QAM    | 1@243  | 22.47 | 20.47 | 0.1114 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM 256 QAM   | 120@60 | 21.43 | 19.43 | 0.0877 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM 256 QAM   | 1@1    | 20.74 | 18.74 | 0.0748 |
| 41 | 30 | 90 | 508200 | 2541    | DFT-s-OFDM 256 QAM   | 1@243  | 20.95 | 18.95 | 0.0785 |
| 41 | 30 | 90 | 508200 | 2541    | CP-OFDM QPSK         | 123@61 | 24.26 | 22.26 | 0.1683 |
| 41 | 30 | 90 | 508200 | 2541    | CP-OFDM QPSK         | 1@1    | 23.49 | 21.49 | 0.1409 |
| 41 | 30 | 90 | 508200 | 2541    | CP-OFDM QPSK         | 1@243  | 23.69 | 21.69 | 0.1476 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 120@60 | 25.78 | 23.78 | 0.2388 |

|    |    |    |        |         |                      |        |       |       |        |
|----|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1    | 24.89 | 22.89 | 0.1945 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@243  | 25.18 | 23.18 | 0.2080 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 120@60 | 25.8  | 23.8  | 0.2399 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@1    | 24.87 | 22.87 | 0.1936 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@243  | 25.15 | 23.15 | 0.2065 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 120@60 | 24.77 | 22.77 | 0.1892 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@1    | 23.77 | 21.77 | 0.1503 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@243  | 24.04 | 22.04 | 0.1600 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 120@60 | 23.27 | 21.27 | 0.1340 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@1    | 22.27 | 20.27 | 0.1064 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@243  | 22.72 | 20.72 | 0.1180 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 120@60 | 21.45 | 19.45 | 0.0881 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@1    | 20.6  | 18.6  | 0.0724 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@243  | 20.88 | 18.88 | 0.0773 |
| 41 | 30 | 90 | 518598 | 2592.99 | CP-OFDM QPSK         | 123@61 | 24.27 | 22.27 | 0.1687 |
| 41 | 30 | 90 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@1    | 23.4  | 21.4  | 0.1380 |
| 41 | 30 | 90 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@243  | 23.64 | 21.64 | 0.1459 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM PI/2 BPSK | 120@60 | 25.71 | 23.71 | 0.2350 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM PI/2 BPSK | 1@1    | 24.88 | 22.88 | 0.1941 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM PI/2 BPSK | 1@243  | 25.24 | 23.24 | 0.2109 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM QPSK      | 120@60 | 25.71 | 23.71 | 0.2350 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM QPSK      | 1@1    | 24.83 | 22.83 | 0.1919 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM QPSK      | 1@243  | 25.19 | 23.19 | 0.2084 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM 16        | 120@60 | 24.74 | 22.74 | 0.1879 |

|    |    |     |        |         |                      |        |       |       |        |  |
|----|----|-----|--------|---------|----------------------|--------|-------|-------|--------|--|
|    |    |     |        |         | QAM                  |        |       |       |        |  |
| 41 | 30 | 90  | 528996 | 2644.98 | DFT-s-OFDM 16 QAM    | 1@1    | 23.83 | 21.83 | 0.1524 |  |
| 41 | 30 | 90  | 528996 | 2644.98 | DFT-s-OFDM 16 QAM    | 1@243  | 24.1  | 22.1  | 0.1622 |  |
| 41 | 30 | 90  | 528996 | 2644.98 | DFT-s-OFDM 64 QAM    | 120@60 | 23.2  | 21.2  | 0.1318 |  |
| 41 | 30 | 90  | 528996 | 2644.98 | DFT-s-OFDM 64 QAM    | 1@1    | 22.11 | 20.11 | 0.1026 |  |
| 41 | 30 | 90  | 528996 | 2644.98 | DFT-s-OFDM 64 QAM    | 1@243  | 22.38 | 20.38 | 0.1091 |  |
| 41 | 30 | 90  | 528996 | 2644.98 | DFT-s-OFDM 256 QAM   | 120@60 | 21.36 | 19.36 | 0.0863 |  |
| 41 | 30 | 90  | 528996 | 2644.98 | DFT-s-OFDM 256 QAM   | 1@1    | 20.65 | 18.65 | 0.0733 |  |
| 41 | 30 | 90  | 528996 | 2644.98 | DFT-s-OFDM 256 QAM   | 1@243  | 21    | 19    | 0.0794 |  |
| 41 | 30 | 90  | 528996 | 2644.98 | CP-OFDM QPSK         | 123@61 | 24.14 | 22.14 | 0.1637 |  |
| 41 | 30 | 90  | 528996 | 2644.98 | CP-OFDM QPSK         | 1@1    | 23.34 | 21.34 | 0.1361 |  |
| 41 | 30 | 90  | 528996 | 2644.98 | CP-OFDM QPSK         | 1@243  | 23.69 | 21.69 | 0.1476 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.82 | 23.82 | 0.2410 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM PI/2 BPSK | 1@1    | 24.86 | 22.86 | 0.1932 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM PI/2 BPSK | 1@271  | 25.16 | 23.16 | 0.2070 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK      | 135@67 | 25.79 | 23.79 | 0.2393 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK      | 1@1    | 24.79 | 22.79 | 0.1901 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK      | 1@271  | 25.18 | 23.18 | 0.2080 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 16 QAM    | 135@67 | 24.82 | 22.82 | 0.1914 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 16 QAM    | 1@1    | 23.77 | 21.77 | 0.1503 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 16 QAM    | 1@271  | 24.1  | 22.1  | 0.1622 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 64 QAM    | 135@67 | 23.28 | 21.28 | 0.1343 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 64 QAM    | 1@1    | 22.28 | 20.28 | 0.1067 |  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 64 QAM    | 1@271  | 22.63 | 20.63 | 0.1156 |  |

|    |    |     |        |         |                      |        |       |       |        |
|----|----|-----|--------|---------|----------------------|--------|-------|-------|--------|
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 256 QAM   | 135@67 | 21.45 | 19.45 | 0.0881 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 256 QAM   | 1@1    | 20.68 | 18.68 | 0.0738 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 256 QAM   | 1@271  | 20.99 | 18.99 | 0.0793 |
| 41 | 30 | 100 | 509202 | 2546.01 | CP-OFDM QPSK         | 137@68 | 24.27 | 22.27 | 0.1687 |
| 41 | 30 | 100 | 509202 | 2546.01 | CP-OFDM QPSK         | 1@1    | 23.34 | 21.34 | 0.1361 |
| 41 | 30 | 100 | 509202 | 2546.01 | CP-OFDM QPSK         | 1@271  | 23.66 | 21.66 | 0.1466 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.79 | 23.79 | 0.2393 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1    | 24.68 | 22.68 | 0.1854 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@271  | 25.03 | 23.03 | 0.2009 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 135@67 | 25.76 | 23.76 | 0.2377 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@1    | 24.65 | 22.65 | 0.1841 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 1@271  | 25.02 | 23.02 | 0.2004 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 135@67 | 24.77 | 22.77 | 0.1892 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@1    | 23.57 | 21.57 | 0.1435 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM    | 1@271  | 23.9  | 21.9  | 0.1549 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 135@67 | 23.26 | 21.26 | 0.1337 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@1    | 22.05 | 20.05 | 0.1012 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM    | 1@271  | 22.44 | 20.44 | 0.1107 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 135@67 | 21.44 | 19.44 | 0.0879 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@1    | 20.5  | 18.5  | 0.0708 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM   | 1@271  | 20.83 | 18.83 | 0.0764 |
| 41 | 30 | 100 | 518598 | 2592.99 | CP-OFDM QPSK         | 137@68 | 24.25 | 22.25 | 0.1679 |
| 41 | 30 | 100 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@1    | 23.19 | 21.19 | 0.1315 |
| 41 | 30 | 100 | 518598 | 2592.99 | CP-OFDM QPSK         | 1@271  | 23.49 | 21.49 | 0.1409 |

|    |    |     |        |      |                      |        |       |       |        |
|----|----|-----|--------|------|----------------------|--------|-------|-------|--------|
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.72 | 23.72 | 0.2355 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM PI/2 BPSK | 1@1    | 24.75 | 22.75 | 0.1884 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM PI/2 BPSK | 1@271  | 25.11 | 23.11 | 0.2046 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM QPSK      | 135@67 | 25.73 | 23.73 | 0.2360 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM QPSK      | 1@1    | 24.72 | 22.72 | 0.1871 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM QPSK      | 1@271  | 25.1  | 23.1  | 0.2042 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 16 QAM    | 135@67 | 24.74 | 22.74 | 0.1879 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 16 QAM    | 1@1    | 23.66 | 21.66 | 0.1466 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 16 QAM    | 1@271  | 24.08 | 22.08 | 0.1614 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 64 QAM    | 135@67 | 23.22 | 21.22 | 0.1324 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 64 QAM    | 1@1    | 22.22 | 20.22 | 0.1052 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 64 QAM    | 1@271  | 22.62 | 20.62 | 0.1153 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 256 QAM   | 135@67 | 21.36 | 19.36 | 0.0863 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 256 QAM   | 1@1    | 20.58 | 18.58 | 0.0721 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 256 QAM   | 1@271  | 20.97 | 18.97 | 0.0789 |
| 41 | 30 | 100 | 528000 | 2640 | CP-OFDM QPSK         | 137@68 | 24.2  | 22.2  | 0.1660 |
| 41 | 30 | 100 | 528000 | 2640 | CP-OFDM QPSK         | 1@1    | 23.24 | 21.24 | 0.1330 |
| 41 | 30 | 100 | 528000 | 2640 | CP-OFDM QPSK         | 1@271  | 23.59 | 21.59 | 0.1442 |

## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB   | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------------|---------|-------------|
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00366         | PASS    | NV          |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00586         | PASS    | LV          |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00639         | PASS    | HV          |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00493         | PASS    | -30°C       |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00311         | PASS    | -20°C       |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00265         | PASS    | -10°C       |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00021         | PASS    | 0°C         |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00412         | PASS    | 10°C        |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00542         | PASS    | 20°C        |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00259         | PASS    | 30°C        |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00556         | PASS    | 40°C        |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 50@0 | 0.00511         | PASS    | 50°C        |

## Peak to Average Radio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB   | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|----------------------|------|-------------|------------|---------|
| 41      | 30        | 20              | 501204 | 2506.02    | DFT-s-OFDM PI/2 BPSK | 50@0 | 6.91        | 13         | PASS    |
| 41      | 30        | 20              | 501204 | 2506.02    | DFT-s-OFDM PI/2 BPSK | 1@0  | 7.76        | 13         | PASS    |
| 41      | 30        | 20              | 501204 | 2506.02    | DFT-s-OFDM QPSK      | 50@0 | 8.04        | 13         | PASS    |
| 41      | 30        | 20              | 501204 | 2506.02    | DFT-s-OFDM QPSK      | 1@0  | 9.13        | 13         | PASS    |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.04        | 13         | PASS    |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 1@0  | 7.29        | 13         | PASS    |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 50@0 | 8.11        | 13         | PASS    |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 1@0  | 8.79        | 13         | PASS    |
| 41      | 30        | 20              | 535998 | 2679.99    | DFT-s-OFDM PI/2 BPSK | 50@0 | 6.88        | 13         | PASS    |
| 41      | 30        | 20              | 535998 | 2679.99    | DFT-s-OFDM PI/2 BPSK | 1@0  | 7.62        | 13         | PASS    |
| 41      | 30        | 20              | 535998 | 2679.99    | DFT-s-OFDM QPSK      | 50@0 | 7.93        | 13         | PASS    |
| 41      | 30        | 20              | 535998 | 2679.99    | DFT-s-OFDM QPSK      | 1@0  | 8.58        | 13         | PASS    |

[illegible]

Spectrum Analyzer 1  
Power Stat OFF

**KEYSIGHT** Input RF Input Z: 50 Ω  
RL. →→→ CoreCdr CoreCdr  
Align Auto Frq Ref: 1st (S)

Attm: 40 dB Trg: RF Burst Center Freq: 2.50000000 GHz  
Trg Delay: 500.0 ps Cores: 1.00 MHz 100 Mpt  
RF Gain: Low Radio Std: None

1 Metrics 2 Graph

**Average Power**

|                 |
|-----------------|
| 17.64 dBm       |
| 32.97 % at 0 dB |

10.0 % 5.28 dB  
1.0 % 7.14 dB  
0.1 % 7.76 dB  
0.01 % 8.11 dB  
0.001 % 8.16 dB  
0.0001 % 8.21 dB

**Peak**

|           |
|-----------|
| 11.61 dB  |
| 29.25 dBm |

**Gaussian**

100.0 %  
10.0 %  
1.0 %  
0.1 %  
0.01 %  
0.001 %  
0.0001 %  
0.00001 %  
0.000001 %

0.00 dB 20.00 MHz

Info BW 25.000 MHz

Feb 28, 2022 3:38:25 PM

The screenshot displays the Keysight Spectrum Analyzer 1 interface. The top status bar shows 'Spectrum Analyzer 1' and 'Power Stat: CCDF'. The main display area is divided into several sections:

- Input Section:** Shows 'Input Z: 50 Ω', 'Corr CCor', and 'Freq Ref: Int (S)'. The 'Input RF' is set to 'Coupling DC' and 'Assign: Auto'.
- Measurement Section:** Displays 'Avg Power' as 21.34 dBm and 41.40 % at 0 dB. The 'Peak' section shows 9.26 dB and 30.60 cdbm.
- Parameters Section:** Lists 'Trig RF: Burst', 'Trig Delay: 500.0 ps', 'Counts: 1.00 M1 0.00 Mpt', 'RF Dem: Low', and 'Radio Std: None'.
- Graph Section:** Titled '2 Graph', it shows a 'Gaussian' signal. The x-axis is 'Info BW 25.000 MHz' and the y-axis is 'dBm'. The signal is a Gaussian curve centered at 0.00 dBm.

Spectrum Analyzer 1  
Power Stat OCDF

**KEYSIGHT** Input: RF  
Coupling: DC  
Align: Auto

Input Z: 50.0  
Con: Cal  
Freq Ref: Int (S)

Att: 40 dB

Trig: RF Burst  
Trig Delay: 500.0 ps  
Counts: 1.00 M  
M1: 0.00 Mpt  
Radio Set: None

Center Freq: 2.500000000 GHz

1 Metrics

2 Graph

**Average Power**

| Power Level     | Percentage |
|-----------------|------------|
| 18.01 dBm       | 100.0 %    |
| 32.60 % at 0 dB |            |

10.0 % 5.38 dB  
1.0 % 8.13 dB  
0.1 % 9.13 dB  
0.01 % 9.43 dB  
0.0001 % 9.49 dB  
0.0001 % 9.52 dB

**Peak**

| Power Level | Percentage |
|-------------|------------|
| 10.13 dBm   | 100.0 %    |
| 28.14 dBm   |            |

**Gaussian**

100 %  
10 %  
1 %  
0.1 %  
0.01 %  
0.001 %  
0.0001 %

0.00 dBm 20.00 dBm

Feb 28, 2022  
3:39:20 PM

Info BW 25.000 MHz

**Keysight Spectrum Analyzer 1**  
Power Stat: CCDF

**KEYSIGHT** Input RF: 50.0 GHz  
R1: Corr CCOR  
Auto: Freq Ref: Int (S)

Att: 40 dB  
Trig RF: Burst  
RF Delay: 500.0 ps  
RF Gain: Low  
Center Freq: 2.500000000 GHz  
1.00 M1 0.00 Mpt  
Radio Sld: None

1 Metrics  
Average Power: 21.53 dBm  
44.78 % at 0 dB

10.0 %: 4.08 dB  
1.0 %: 5.94 dB  
0.1 %: 7.04 dB  
0.01 %: 7.76 dB  
0.001 %: 8.39 dB  
0.0001 %: 8.48 dB

Peak: 8.54 dB  
30.47 dBm

2 Graph  
Gaussian  
100 %  
10 %  
1 %  
0.1 %  
0.01 %  
0.001 %  
0.0001 %  
0.00 dB  
inf BW 25.000 MHz  
20.00 dB

The screenshot displays the Keysight Spectrum Analyzer 1 Power Stat OCDF interface. The top status bar shows 'Spectrum Analyzer 1' and 'Power Stat OCDF'. The main display is divided into three sections: a left-hand table for power statistics, a top-right parameter area, and a large central plot area.

**Left Panel: Power Statistics**

| Average Power   |         |
|-----------------|---------|
| 18.12 dBm       |         |
| 36.33 % at 0 dB |         |
| 10.0 %          | 4.99 dB |
| 1.0 %           | 6.71 dB |
| 0.1 %           | 7.29 dB |
| 0.01 %          | 7.64 dB |
| 0.001 %         | 7.70 dB |
| 0.0001 %        | 7.74 dB |
| Peak            |         |
| 8.09 dB         |         |
| 26.21 dBm       |         |

**Top Right Panel: Parameters**

Attain: 40 dB  
 Trig: RF Burst  
 Trig Delay: 500.0 ps  
 Counts: 1.00 M  
 1.00 MHz  
 Radio Std: None

**Central Plot: 2 Graph**

The plot shows a Gaussian noise profile. The y-axis is logarithmic, ranging from 0.0001% to 100%. The x-axis is linear, ranging from 0.00 dB to 20.00 dB. A yellow curve represents the noise floor, and a blue curve represents the signal level. The signal level is approximately 18.12 dBm at 0 dB, and the noise floor is approximately 7.74 dBm at 0.0001%.

**Bottom Status Bar:**

Feb 28, 2022  
 3:45:27 PM  
 Info BW 25.000 MHz

Spectrum Analyzer 1  
Power Stat OCDF

KEYSIGHT  
Input Ref: OC  
R/L: →  
Auto Align  
Input Z: 50 Ohm  
Corr CCat  
Freq Ref: Int (S)

Attm: 40 dB  
Trg Freq: Burst  
Trg Dewy: 500.0 ps  
Center Freq: 2.55000000 GHz  
1.00 Mpt  
Ratio Std: None

1 Metrics  
Average Power  
21.39 dBm  
41.27 % at 0 dB  
10.0 % 4.41 dB  
1.0 % 6.74 dB  
0.1 % 8.11 dB  
0.01 % 8.92 dB  
0.001 % 9.22 dB  
0.0001 % 9.34 dB  
Peak  
9.38 dB  
30.77 dBm

2 Graph  
Gaussian  
100%  
10.0 dB  
0.001%  
0.0001%  
0.00001%  
9.38 dB  
30.77 dBm  
Info BW: 25.000 MHz

Spectrum Analyzer 1  
Power Stat CDDF

KEYSIGHT Input RF: 2.500 GHz  
Port LCC: RF  
Ref: 10 dB  
Align: Auto

1 Metrics

Average Power

18.49 dBm  
35.59 % at 0 dB

10.0 % 5.16 dB  
1.0 % 7.80 dB  
0.1 % 8.79 dB  
0.01 % 9.07 dB  
0.001 % 9.14 dB  
0.0001 % 9.15 dB

Peak

9.31 dB  
27.80 dBm

2 Graph

Gaussian

100 %  
10 %  
1 %  
0.1 %  
0.01 %  
0.001 %  
0.0001 %

0.0001 dBm  
0.0001 dBm  
0.0001 dBm

2.50000000 GHz  
Info BW 25.000 MHz

Feb 28, 2022 3:41:16 PM

[illegible]

Spectrum Analyzer 1  
Power Stat CODF

KEYSIGHT Input RF  
RL  $\rightarrow$  **Algo: Auto** Input Z: 50 Ohm  
Corr Cnt: 0  
Freq Ref: 1st (S)

Att: 40 dB  
Trig: RF Burst  
Trig Delay: 500.0 ps  
Counts: 1.00 M1 80 Mpt  
Ratio Std: None

Center Freq: 2.676660000 GHz

1 Metrics

Average Power

17.72 dBm  
34.10 % at 0 dB

|          |         |
|----------|---------|
| 100.0 %  | 5.18 dB |
| 1.0 %    | 7.00 dB |
| 0.1 %    | 7.62 dB |
| 0.01 %   | 7.97 dB |
| 0.001 %  | 8.02 dB |
| 0.0001 % | 8.06 dB |

Peak

9.87 dB  
27.59 dBm

2 Graph

Gaussian

100 %  
10 %  
1 %  
0.1 %  
0.01 %  
0.001 %  
0.0001 %  
0.00001 %  
0.000001 %

25.000 MHz 26.000 MHz

Info BW 25.000 MHz

Feb 28, 2022 3:42:24 PM

The screenshot displays the Keysight Spectrum Analyzer interface. The top panel shows the instrument configuration: Spectrum Analyzer 1, Power Stat OCDF, Input RF, Input 2: 50.0, Corr: Corr, and various settings like Trng: RF Burst, Center Freq: 2.679500000 GHz, and Span: 100.00 MHz. The main display area shows a Gaussian noise floor plot with a yellow curve representing the noise floor and a blue curve representing the signal. The x-axis is labeled 'Info BW 25.000 MHz' and the y-axis is labeled 'Gaussian'.

**1 Metrics**

| Average Power |                 |
|---------------|-----------------|
|               | 21.32 dBm       |
|               | 41.54 % at 0 dB |

|          |         |
|----------|---------|
| 10.0 %   | 4.40 dB |
| 1.0 %    | 6.66 dB |
| 0.1 %    | 7.93 dB |
| 0.01 %   | 8.66 dB |
| 0.001 %  | 8.92 dB |
| 0.0001 % | 9.01 dB |

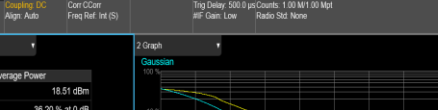
  

| Peak |           |
|------|-----------|
|      | 9.10 dB   |
|      | 30.42 dBm |

**2 Graph**

Gaussian

Info BW 25.000 MHz



Spectrum Analyzer 1  
Power Stat CDDF

KEYSIGHT Input RF Input Z: 50 Ω  
RL: **Channel B/C** Cont C/Co Freq Ref: Int (s)

Align: Auto

1 Metrics

Average Power

18.51 dBm  
36.20 % at 0 dB

|          |         |
|----------|---------|
| 10.0 %   | 5.12 dB |
| 1.0 %    | 7.65 dB |
| 0.1 %    | 8.58 dB |
| 0.01 %   | 8.62 dB |
| 0.001 %  | 8.88 dB |
| 0.0001 % | 8.90 dB |

Peak

9.55 dB  
28.06 dBm

2 Graph

Gaussian

100.0  
10.0  
1.0  
0.1  
0.01  
0.001  
0.0001  
0.00001

0.00 dB 20.00 dB

Info BW 25.000 MHz

Feb 28, 2022 3:43:13 PM

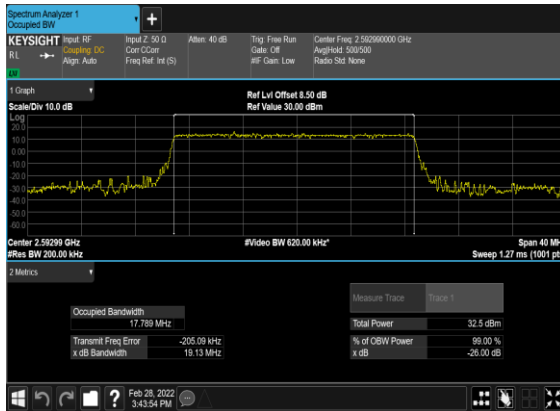
## Occupied Bandwidth

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB    | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------|-----------------|--------|------------|----------------------|-------|-----------|----------------|
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 50@0  | 17.789    | 19.13          |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 50@0  | 17.755    | 18.82          |
| 41      | 30        | 20              | 518598 | 2592.99    | CP-OFDM QPSK         | 51@0  | 18.2      | 19.43          |
| 41      | 30        | 20              | 518598 | 2592.99    | CP-OFDM 16 QAM       | 51@0  | 18.21     | 19.24          |
| 41      | 30        | 20              | 518598 | 2592.99    | CP-OFDM 64 QAM       | 51@0  | 18.203    | 19.25          |
| 41      | 30        | 20              | 518598 | 2592.99    | CP-OFDM 256 QAM      | 51@0  | 18.252    | 19.26          |
| 41      | 30        | 30              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 75@0  | 26.773    | 28.28          |
| 41      | 30        | 30              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 75@0  | 26.763    | 28.46          |
| 41      | 30        | 30              | 518598 | 2592.99    | CP-OFDM QPSK         | 78@0  | 27.84     | 29.15          |
| 41      | 30        | 30              | 518598 | 2592.99    | CP-OFDM 16 QAM       | 78@0  | 27.855    | 29.3           |
| 41      | 30        | 30              | 518598 | 2592.99    | CP-OFDM 64 QAM       | 78@0  | 27.831    | 29.35          |
| 41      | 30        | 30              | 518598 | 2592.99    | CP-OFDM 256 QAM      | 78@0  | 27.802    | 29.32          |
| 41      | 30        | 40              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 100@0 | 35.741    | 37.46          |
| 41      | 30        | 40              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 100@0 | 35.739    | 38.02          |
| 41      | 30        | 40              | 518598 | 2592.99    | CP-OFDM QPSK         | 106@0 | 37.798    | 39.53          |
| 41      | 30        | 40              | 518598 | 2592.99    | CP-OFDM 16 QAM       | 106@0 | 37.809    | 39.26          |
| 41      | 30        | 40              | 518598 | 2592.99    | CP-OFDM 64 QAM       | 106@0 | 37.814    | 39.53          |
| 41      | 30        | 40              | 518598 | 2592.99    | CP-OFDM 256 QAM      | 106@0 | 37.798    | 39.54          |
| 41      | 30        | 50              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 128@0 | 45.698    | 47.79          |
| 41      | 30        | 50              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 128@0 | 45.717    | 47.47          |
| 41      | 30        | 50              | 518598 | 2592.99    | CP-OFDM QPSK         | 133@0 | 47.422    | 49.3           |
| 41      | 30        | 50              | 518598 | 2592.99    | CP-OFDM 16 QAM       | 133@0 | 47.45     | 49.66          |
| 41      | 30        | 50              | 518598 | 2592.99    | CP-OFDM 64 QAM       | 133@0 | 47.544    | 49.72          |
| 41      | 30        | 50              | 518598 | 2592.99    | CP-OFDM 256 QAM      | 133@0 | 47.502    | 49.19          |

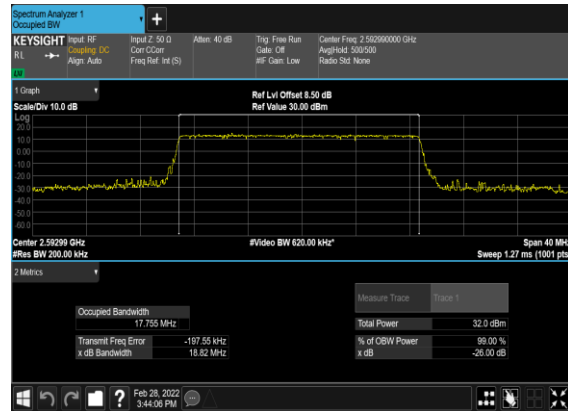
|    |    |     |        |         |                      |       |        |       |
|----|----|-----|--------|---------|----------------------|-------|--------|-------|
| 41 | 30 | 60  | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 162@0 | 57.903 | 59.88 |
| 41 | 30 | 60  | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 162@0 | 57.826 | 59.98 |
| 41 | 30 | 60  | 518598 | 2592.99 | CP-OFDM QPSK         | 162@0 | 57.806 | 60.05 |
| 41 | 30 | 60  | 518598 | 2592.99 | CP-OFDM 16 QAM       | 162@0 | 57.864 | 59.82 |
| 41 | 30 | 60  | 518598 | 2592.99 | CP-OFDM 64 QAM       | 162@0 | 57.763 | 59.89 |
| 41 | 30 | 60  | 518598 | 2592.99 | CP-OFDM 256 QAM      | 162@0 | 57.697 | 59.79 |
| 41 | 30 | 70  | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 180@0 | 64.389 | 66.76 |
| 41 | 30 | 70  | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 180@0 | 64.307 | 67.7  |
| 41 | 30 | 70  | 518598 | 2592.99 | CP-OFDM QPSK         | 189@0 | 67.43  | 70.25 |
| 41 | 30 | 70  | 518598 | 2592.99 | CP-OFDM 16 QAM       | 189@0 | 67.512 | 70.31 |
| 41 | 30 | 70  | 518598 | 2592.99 | CP-OFDM 64 QAM       | 189@0 | 67.427 | 69.55 |
| 41 | 30 | 70  | 518598 | 2592.99 | CP-OFDM 256 QAM      | 189@0 | 67.507 | 69.95 |
| 41 | 30 | 80  | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 216@0 | 76.995 | 79.62 |
| 41 | 30 | 80  | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 216@0 | 77.079 | 79.73 |
| 41 | 30 | 80  | 518598 | 2592.99 | CP-OFDM QPSK         | 217@0 | 77.466 | 80.04 |
| 41 | 30 | 80  | 518598 | 2592.99 | CP-OFDM 16 QAM       | 217@0 | 77.366 | 79.94 |
| 41 | 30 | 80  | 518598 | 2592.99 | CP-OFDM 64 QAM       | 217@0 | 77.453 | 80.07 |
| 41 | 30 | 80  | 518598 | 2592.99 | CP-OFDM 256 QAM      | 217@0 | 77.353 | 79.95 |
| 41 | 30 | 90  | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 240@0 | 85.56  | 88.66 |
| 41 | 30 | 90  | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 240@0 | 85.643 | 88.69 |
| 41 | 30 | 90  | 518598 | 2592.99 | CP-OFDM QPSK         | 245@0 | 87.288 | 90.31 |
| 41 | 30 | 90  | 518598 | 2592.99 | CP-OFDM 16 QAM       | 245@0 | 87.333 | 90.33 |
| 41 | 30 | 90  | 518598 | 2592.99 | CP-OFDM 64 QAM       | 245@0 | 87.308 | 90.33 |
| 41 | 30 | 90  | 518598 | 2592.99 | CP-OFDM 256 QAM      | 245@0 | 87.387 | 90.29 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 270@0 | 96.239 | 99.97 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM           | 270@0 | 96.169 | 99.58 |

| QPSK |    |     |        |         |                    |       |        |       |
|------|----|-----|--------|---------|--------------------|-------|--------|-------|
| 41   | 30 | 100 | 518598 | 2592.99 | CP-OFDM<br>QPSK    | 273@0 | 97.215 | 100.5 |
| 41   | 30 | 100 | 518598 | 2592.99 | CP-OFDM<br>16 QAM  | 273@0 | 97.269 | 100.6 |
| 41   | 30 | 100 | 518598 | 2592.99 | CP-OFDM<br>64 QAM  | 273@0 | 97.456 | 100.7 |
| 41   | 30 | 100 | 518598 | 2592.99 | CP-OFDM<br>256 QAM | 273@0 | 97.037 | 100.6 |

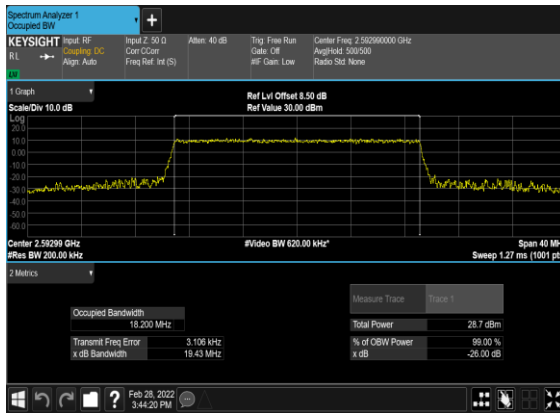
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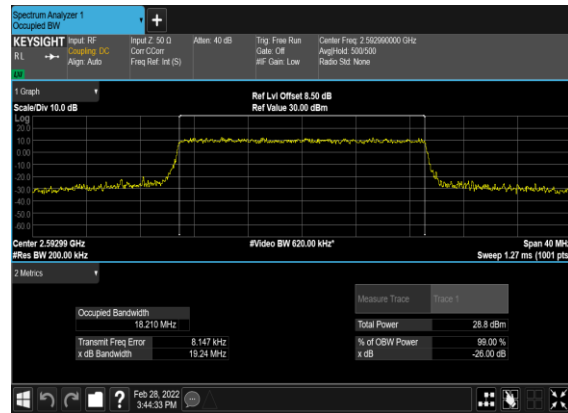
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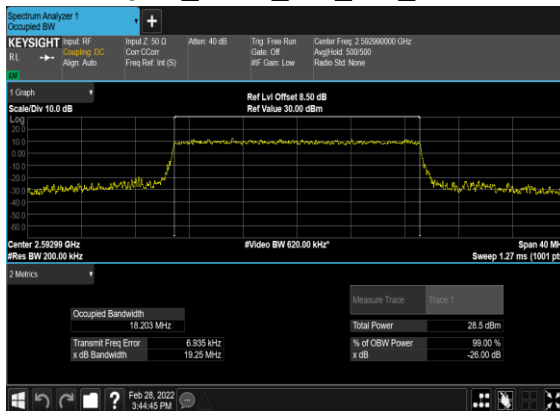
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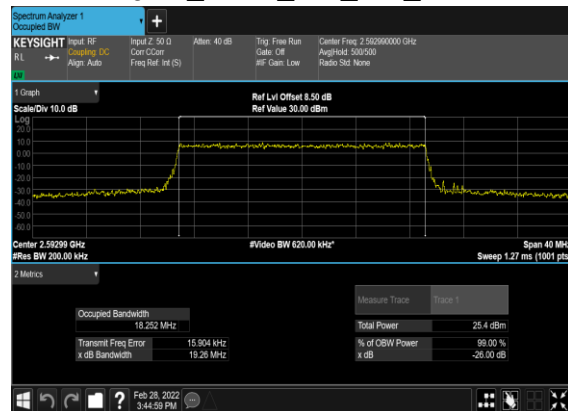
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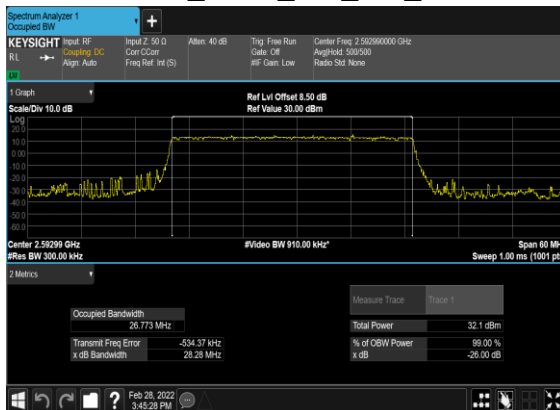
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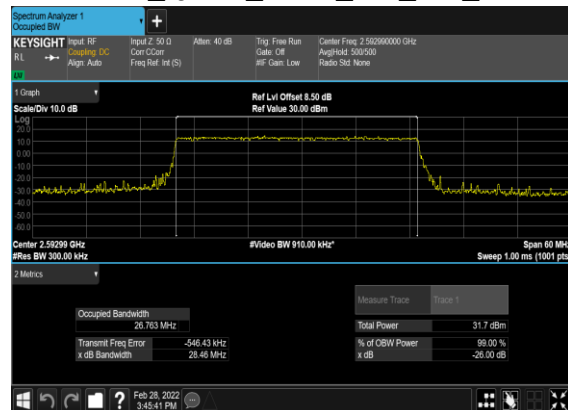
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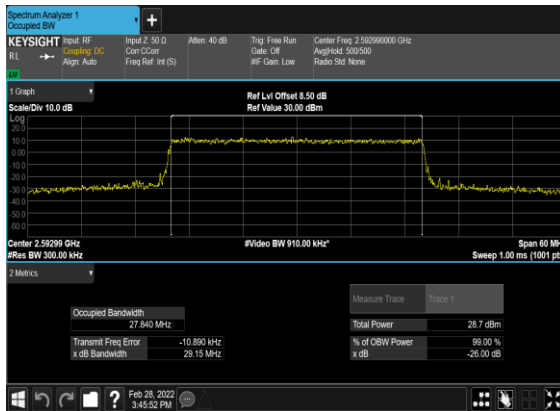
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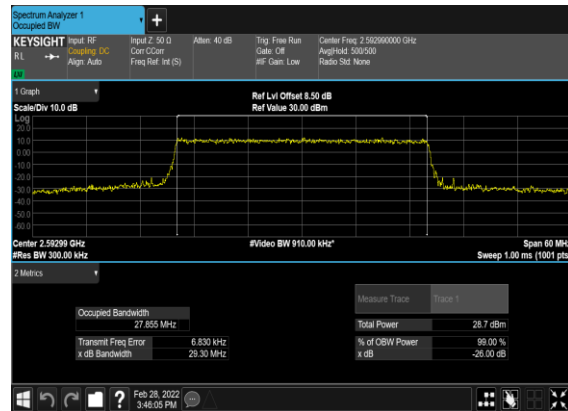
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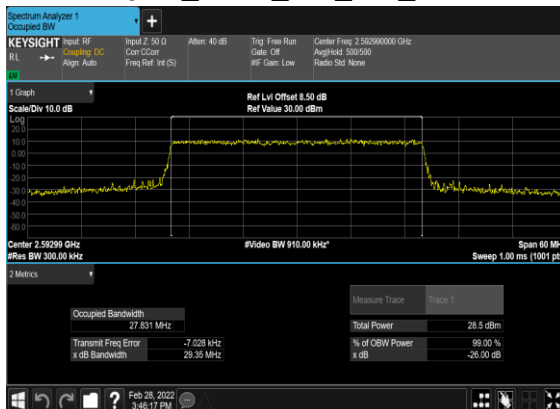
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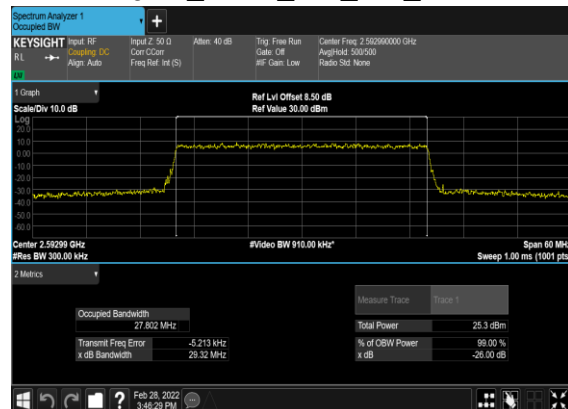
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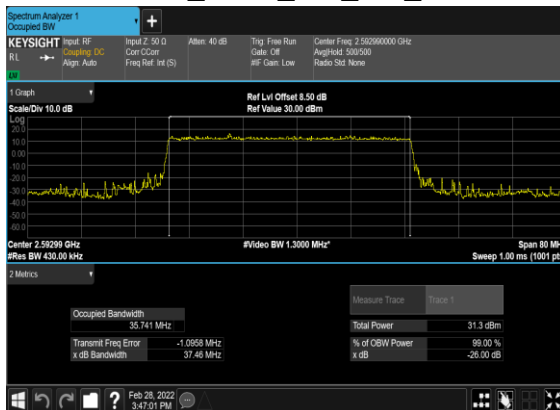
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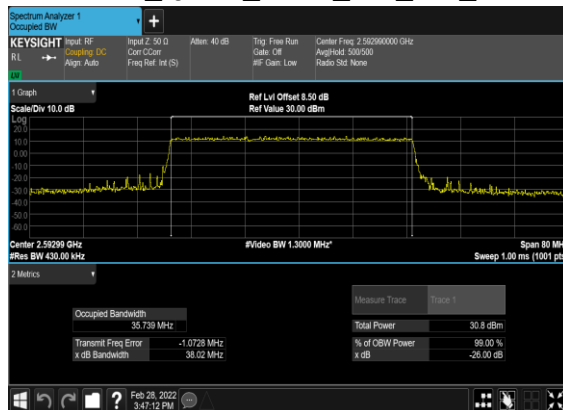
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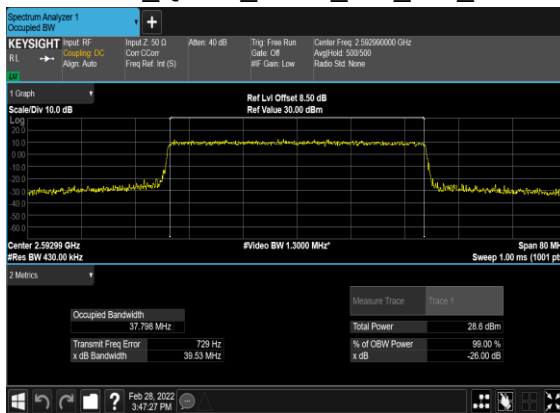
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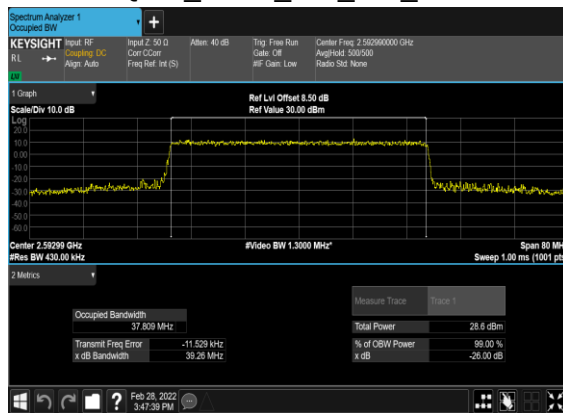
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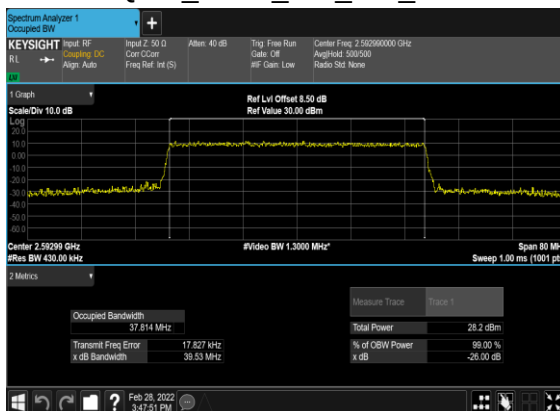
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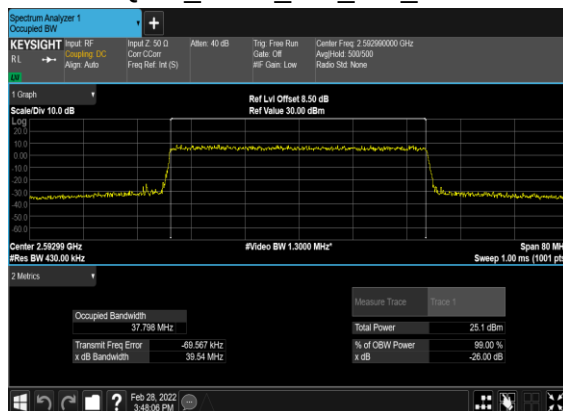
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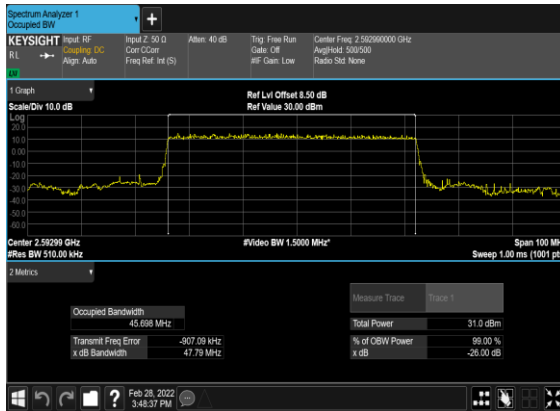
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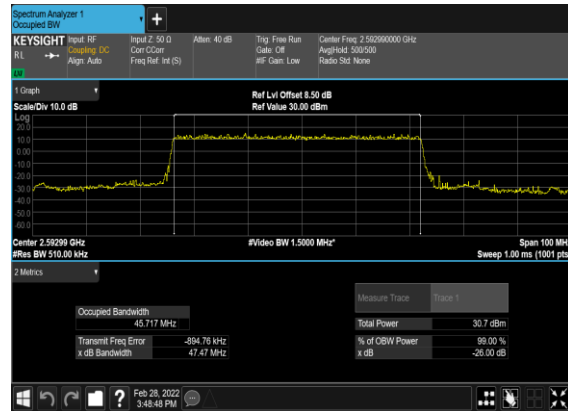
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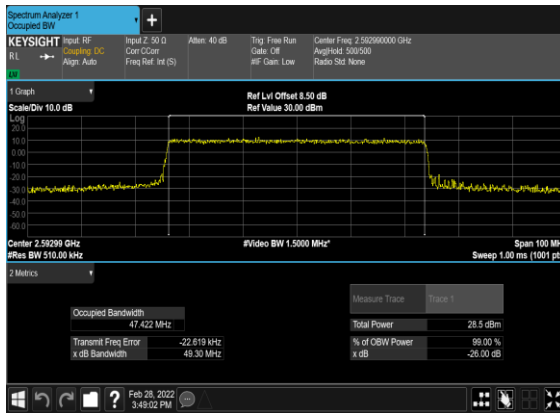
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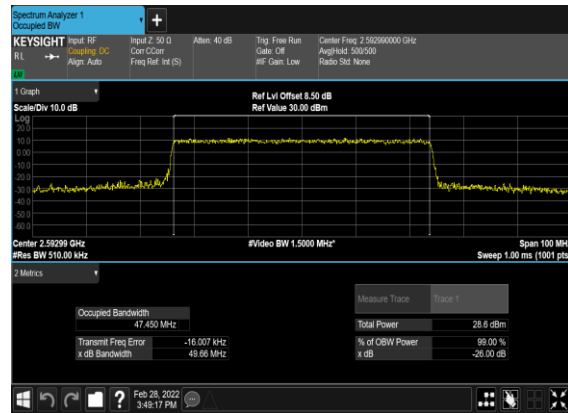
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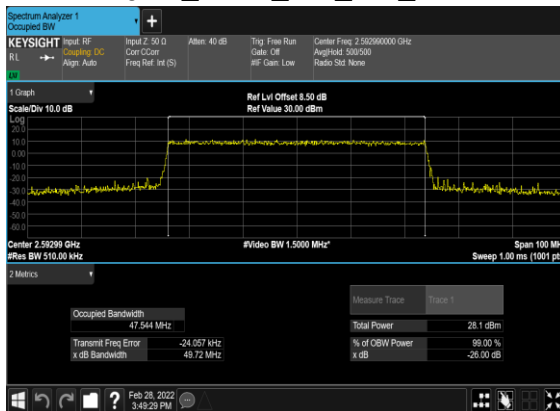
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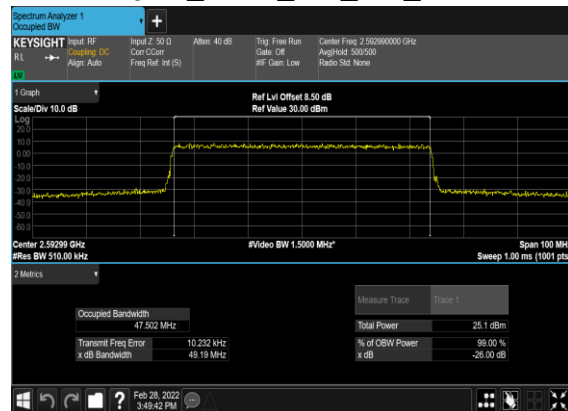
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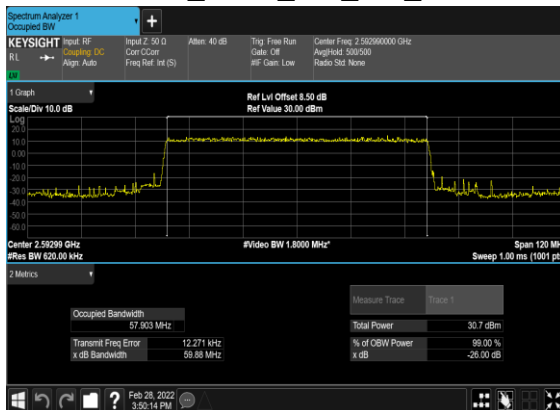
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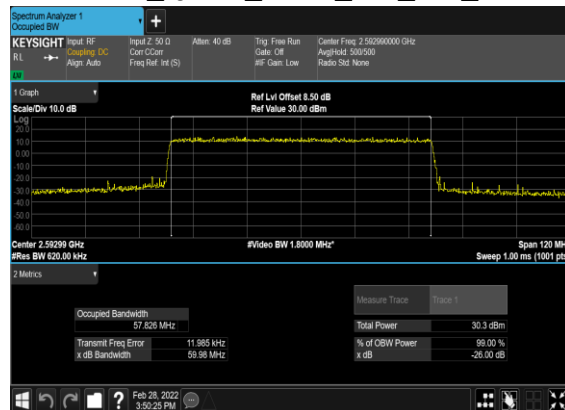
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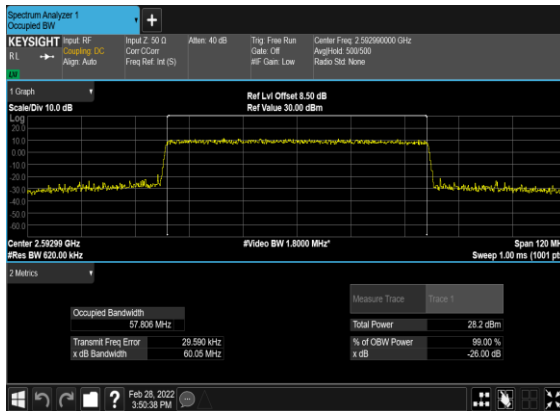
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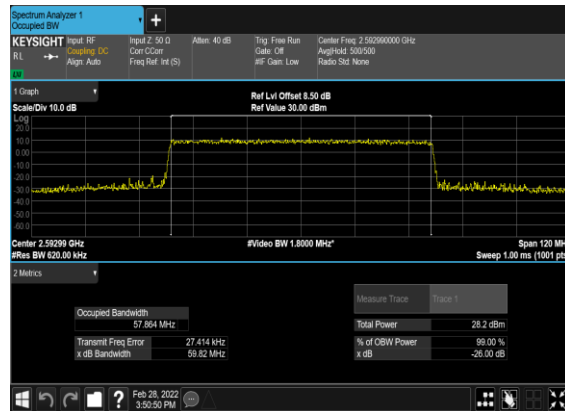
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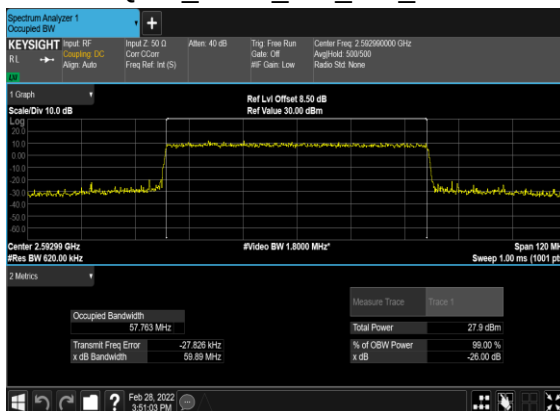
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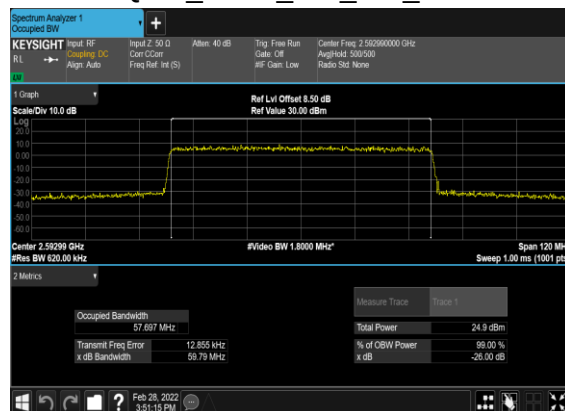
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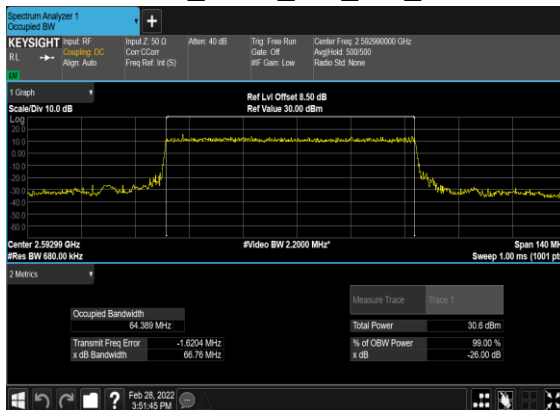
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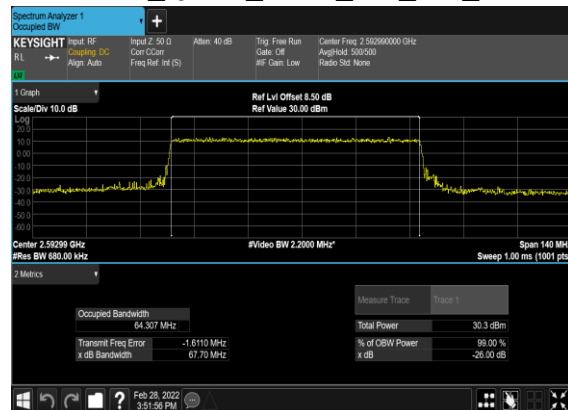
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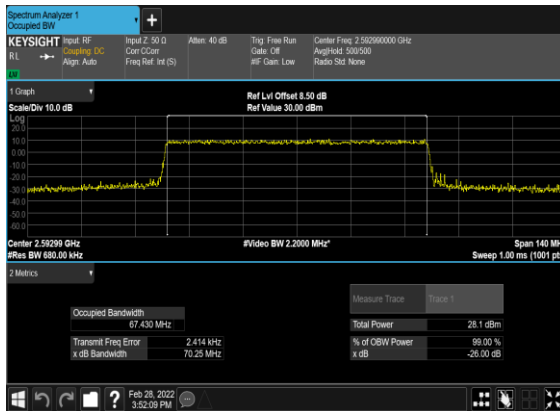
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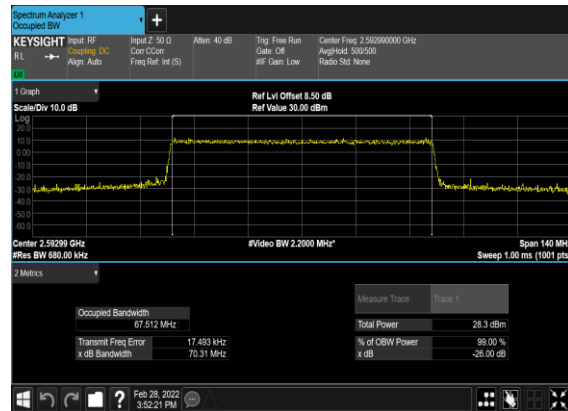
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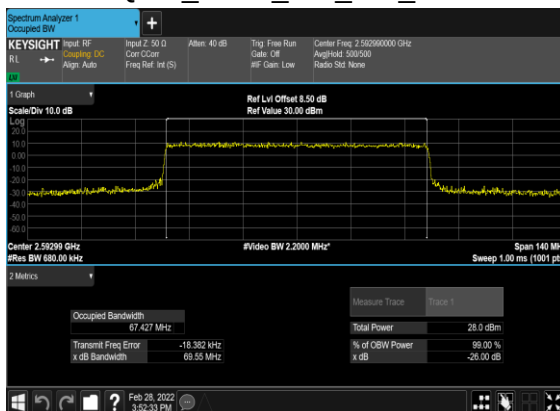
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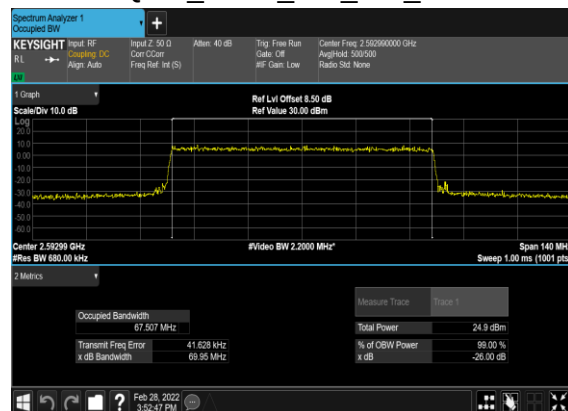
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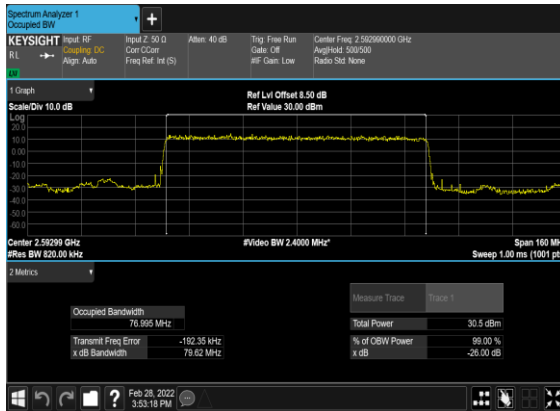
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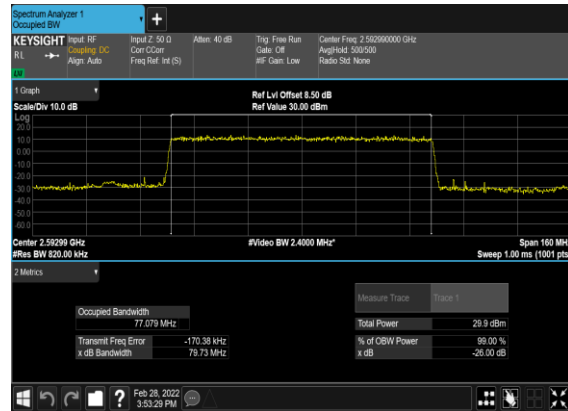
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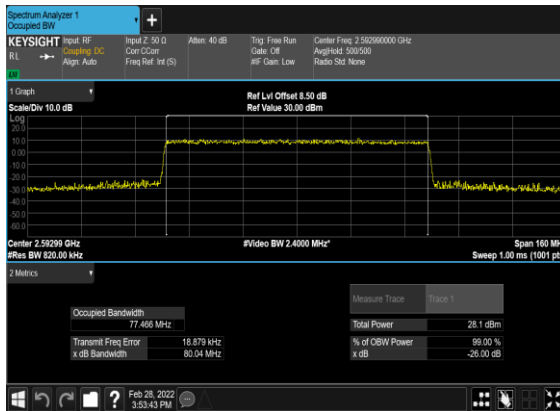
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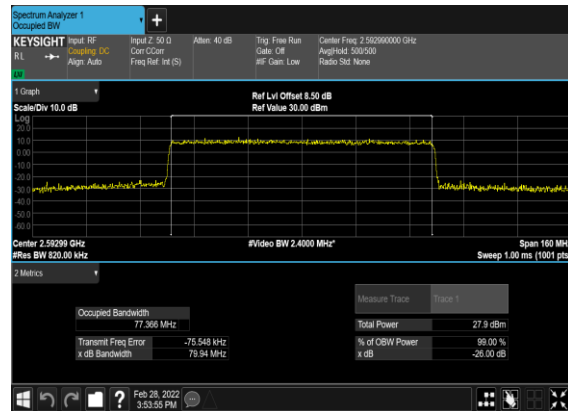
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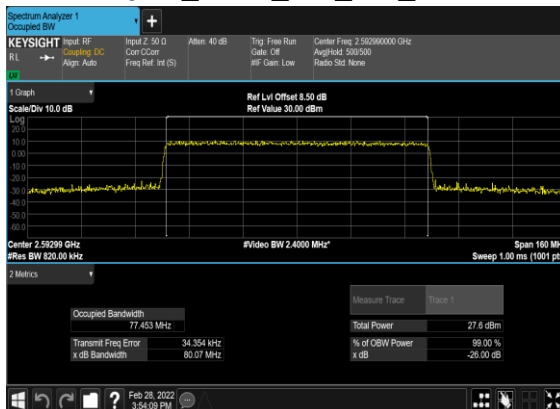
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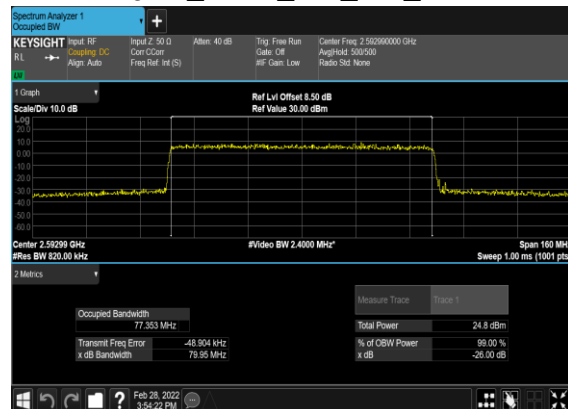
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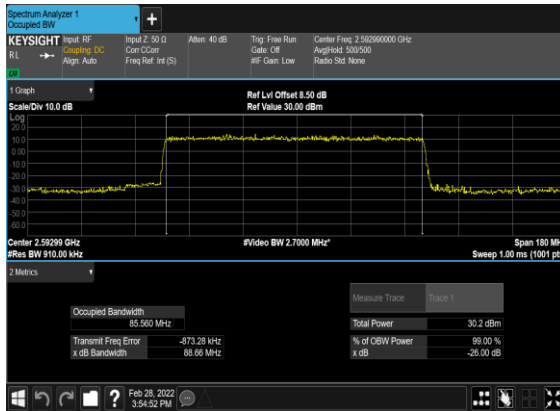
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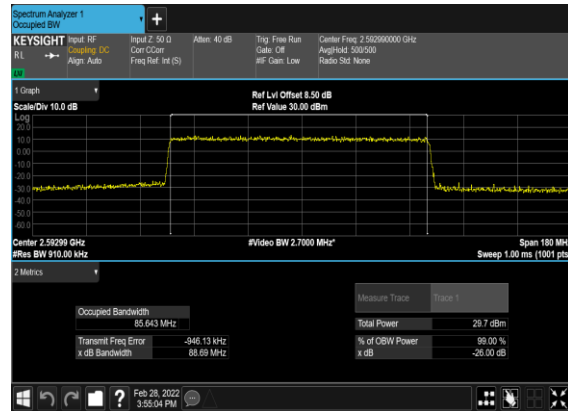
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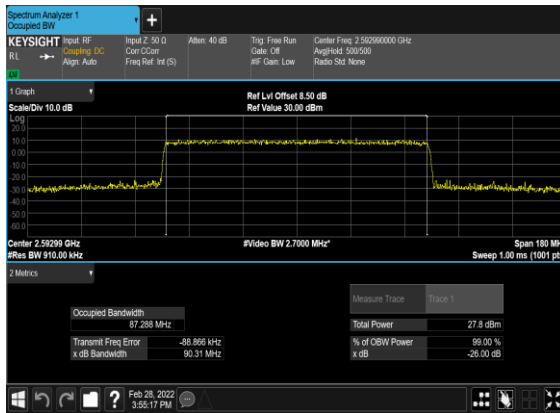
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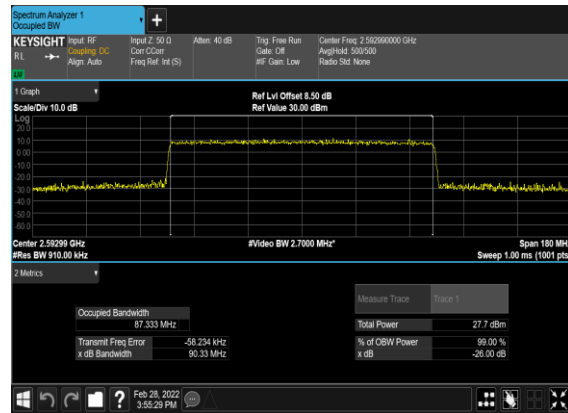
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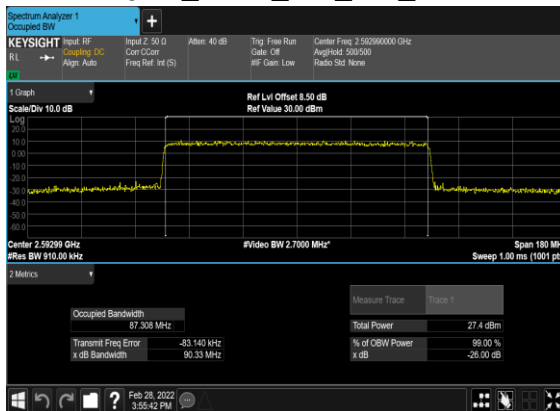
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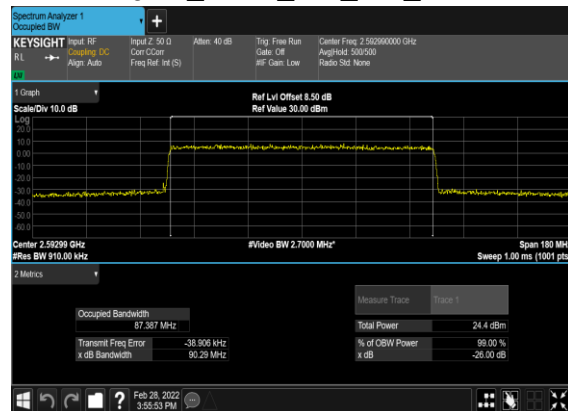
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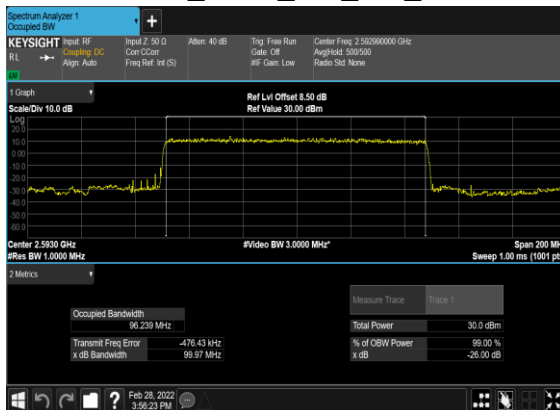
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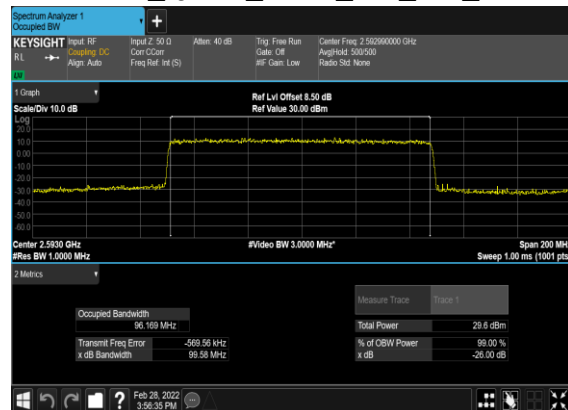
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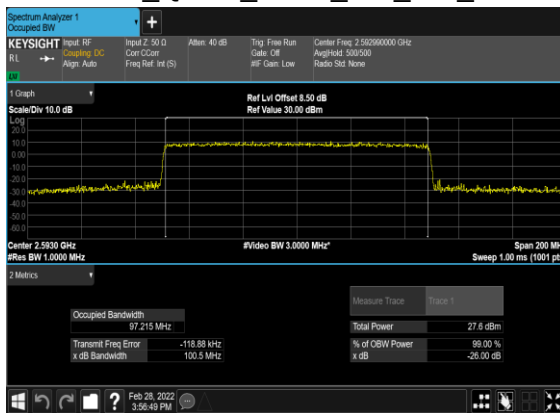
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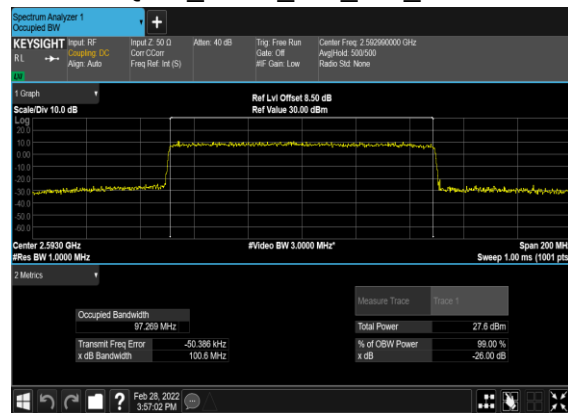
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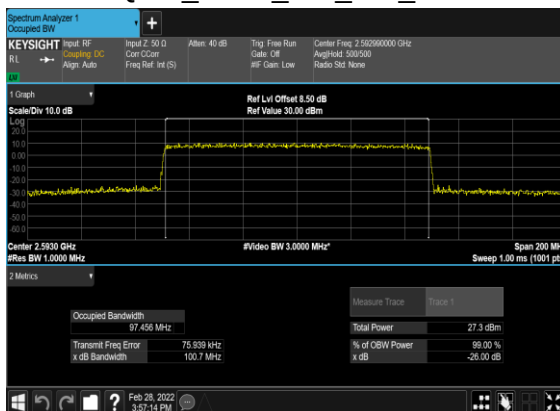
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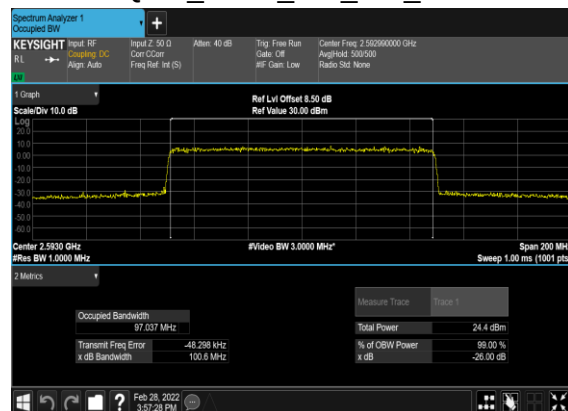
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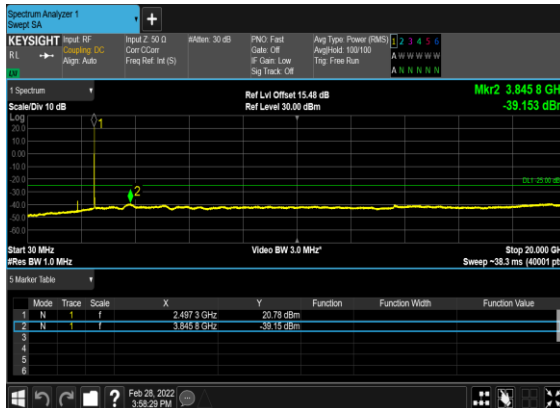
## Conducted Spurious Emissions

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB  | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-----|-----------|---------|
| 41      | 30        | 20              | 501204 | 2506.02    | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 41      | 30        | 20              | 501204 | 2506.02    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 20              | 501204 | 2506.02    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 20              | 501204 | 2506.02    | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 41      | 30        | 20              | 501204 | 2506.02    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 20              | 501204 | 2506.02    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 20              | 535998 | 2679.99    | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 41      | 30        | 20              | 535998 | 2679.99    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 20              | 535998 | 2679.99    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 20              | 535998 | 2679.99    | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 41      | 30        | 20              | 535998 | 2679.99    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 20              | 535998 | 2679.99    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 60              | 505200 | 2526.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 41      | 30        | 60              | 505200 | 2526.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 60              | 505200 | 2526.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 41      | 30        | 60              | 505200 | 2526.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |

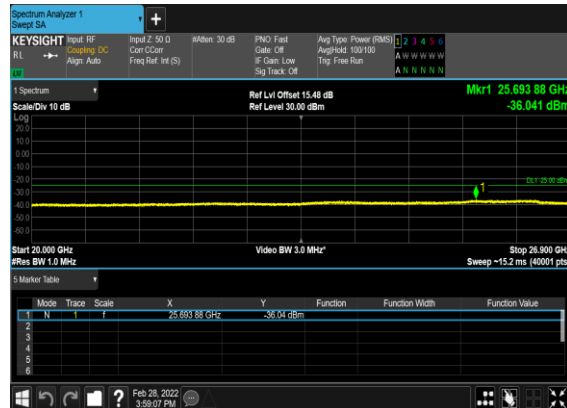
|    |    |     |        |         |                 |     |           |      |
|----|----|-----|--------|---------|-----------------|-----|-----------|------|
| 41 | 30 | 60  | 505200 | 2526.0  | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 41 | 30 | 60  | 505200 | 2526.0  | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 41 | 30 | 60  | 518598 | 2592.99 | DFT-s-OFDM BPSK | 1@0 | see graph | ---  |
| 41 | 30 | 60  | 518598 | 2592.99 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 41 | 30 | 60  | 518598 | 2592.99 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 41 | 30 | 60  | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@0 | see graph | ---  |
| 41 | 30 | 60  | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 41 | 30 | 60  | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 41 | 30 | 60  | 531996 | 2659.98 | DFT-s-OFDM BPSK | 1@0 | see graph | ---  |
| 41 | 30 | 60  | 531996 | 2659.98 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 41 | 30 | 60  | 531996 | 2659.98 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 41 | 30 | 60  | 531996 | 2659.98 | DFT-s-OFDM QPSK | 1@0 | see graph | ---  |
| 41 | 30 | 60  | 531996 | 2659.98 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 41 | 30 | 60  | 531996 | 2659.98 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM BPSK | 1@0 | see graph | ---  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK | 1@0 | see graph | ---  |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM BPSK | 1@0 | see graph | ---  |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@0 | see graph | ---  |

|           |    |     |        |         |                 |     |           |             |
|-----------|----|-----|--------|---------|-----------------|-----|-----------|-------------|
| <b>41</b> | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@0 | see graph | <b>PASS</b> |
| <b>41</b> | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@0 | see graph | <b>PASS</b> |
| <b>41</b> | 30 | 100 | 528000 | 2640.0  | DFT-s-OFDM BPSK | 1@0 | see graph | ---         |
| <b>41</b> | 30 | 100 | 528000 | 2640.0  | DFT-s-OFDM BPSK | 1@0 | see graph | <b>PASS</b> |
| <b>41</b> | 30 | 100 | 528000 | 2640.0  | DFT-s-OFDM BPSK | 1@0 | see graph | <b>PASS</b> |
| <b>41</b> | 30 | 100 | 528000 | 2640.0  | DFT-s-OFDM QPSK | 1@0 | see graph | ---         |
| <b>41</b> | 30 | 100 | 528000 | 2640.0  | DFT-s-OFDM QPSK | 1@0 | see graph | <b>PASS</b> |
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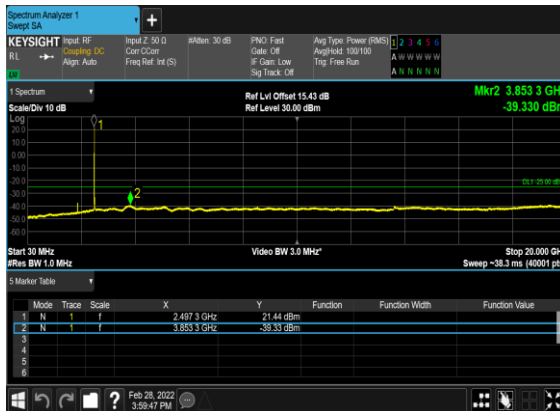
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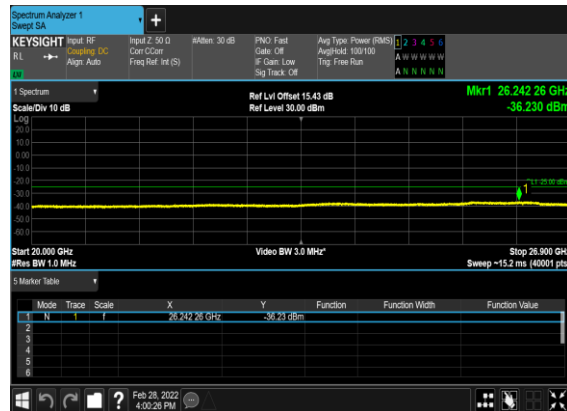
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B2\_N41(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



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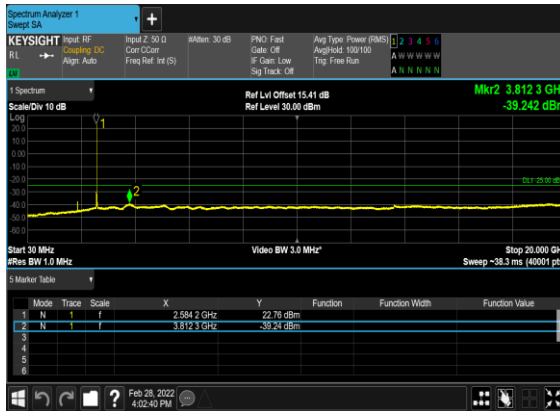
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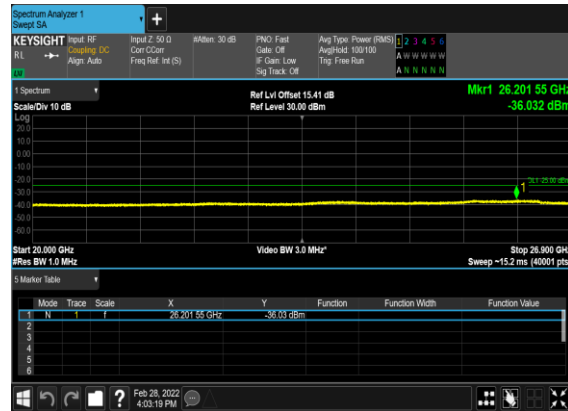
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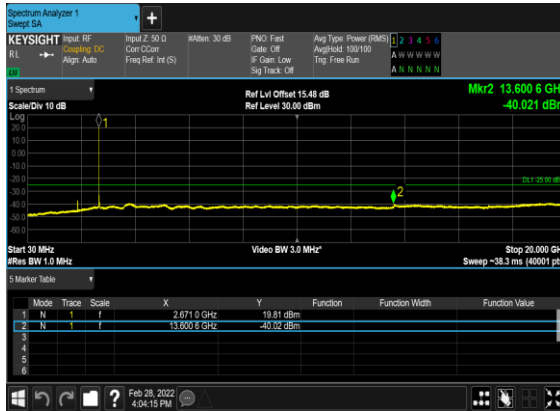
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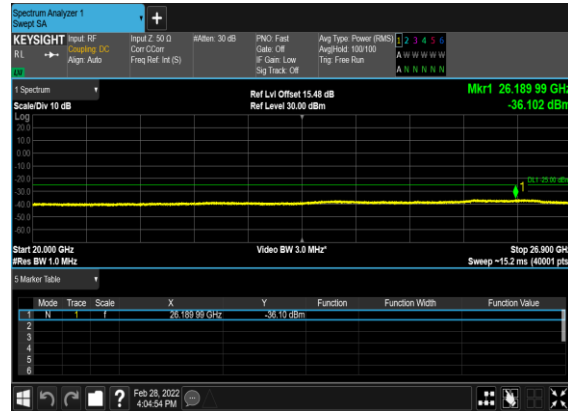
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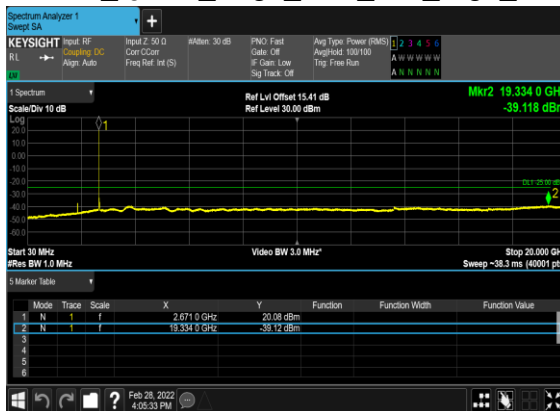
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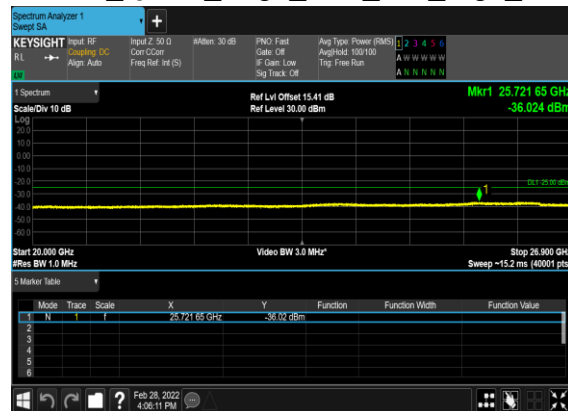
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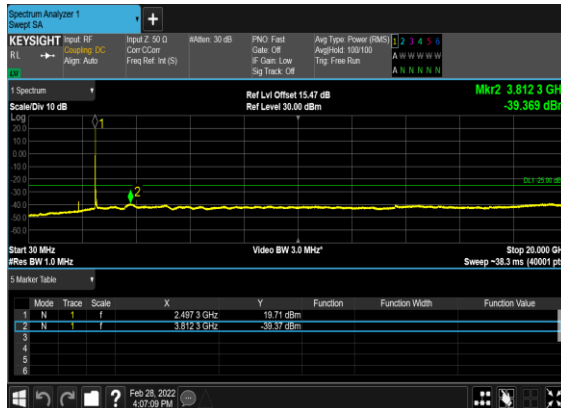
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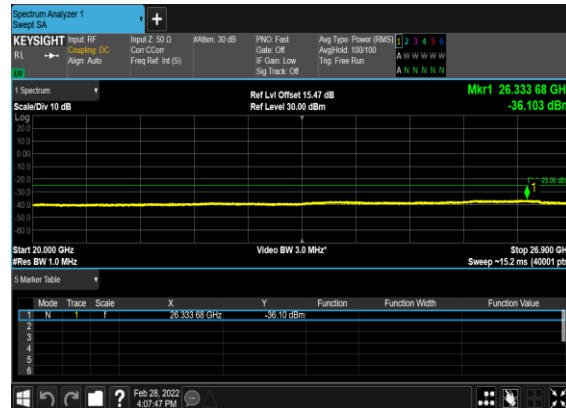
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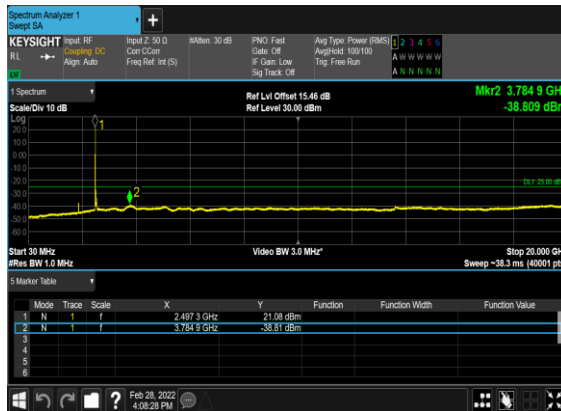
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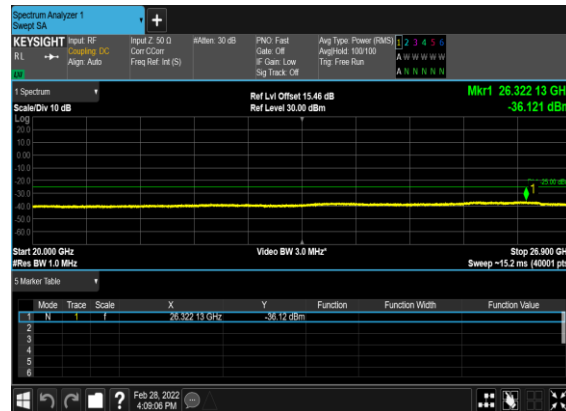
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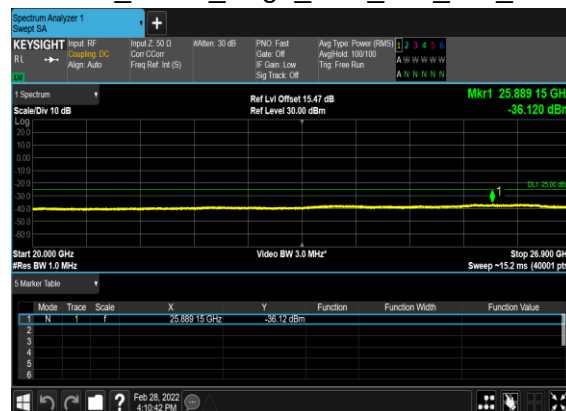
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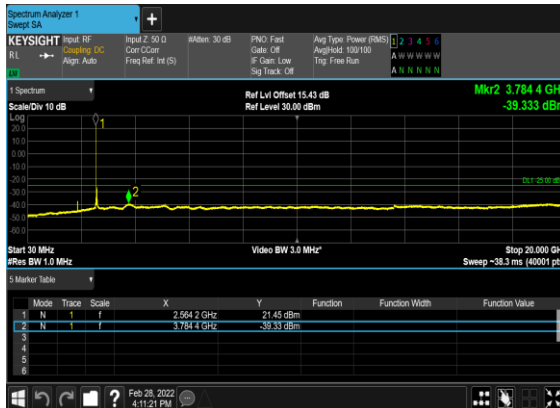
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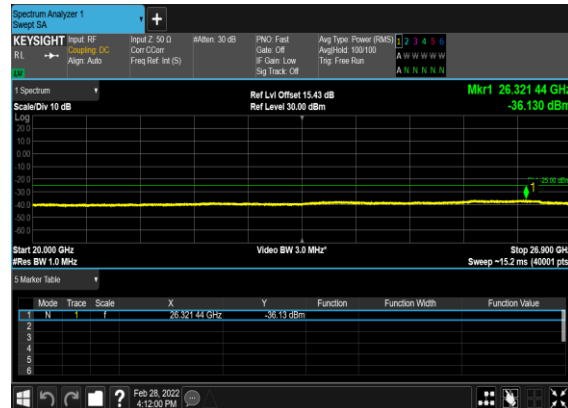
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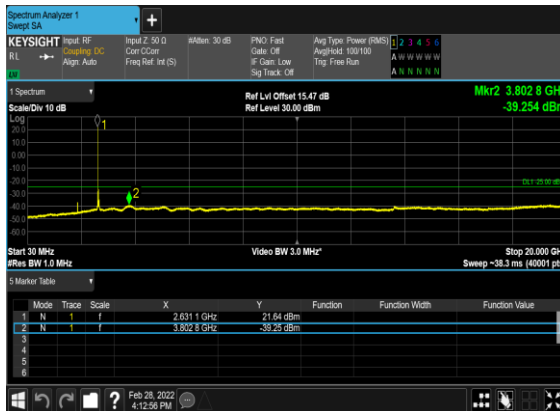
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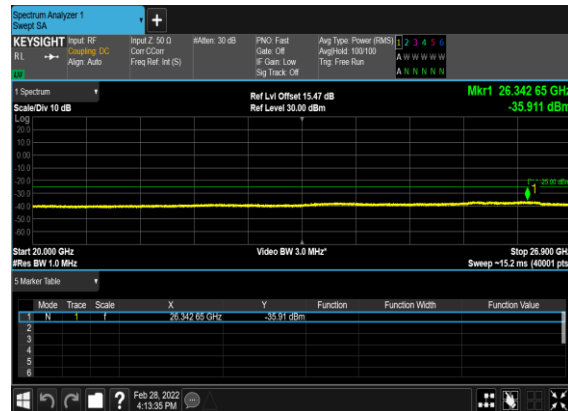
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OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



B2\_N41(60M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



B2\_N41(60M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



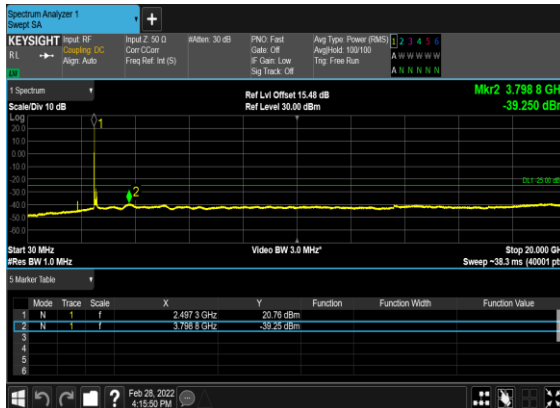
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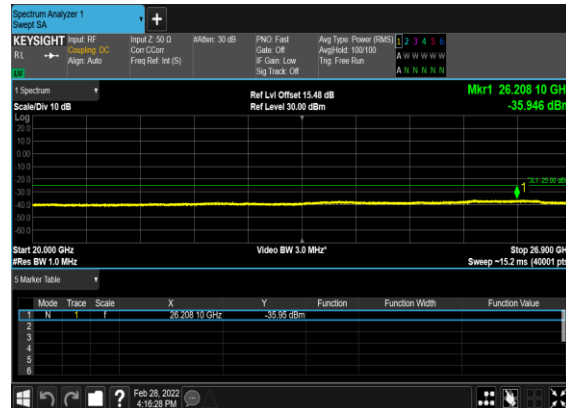
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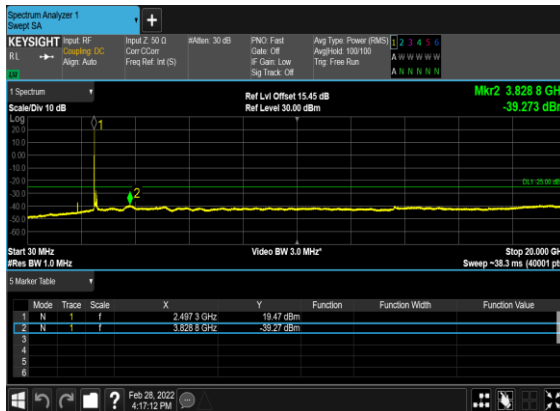
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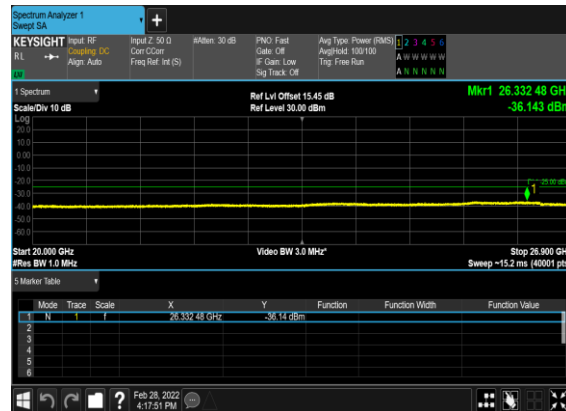
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B2\_N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



B2\_N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



B2\_N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



B2\_N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH

