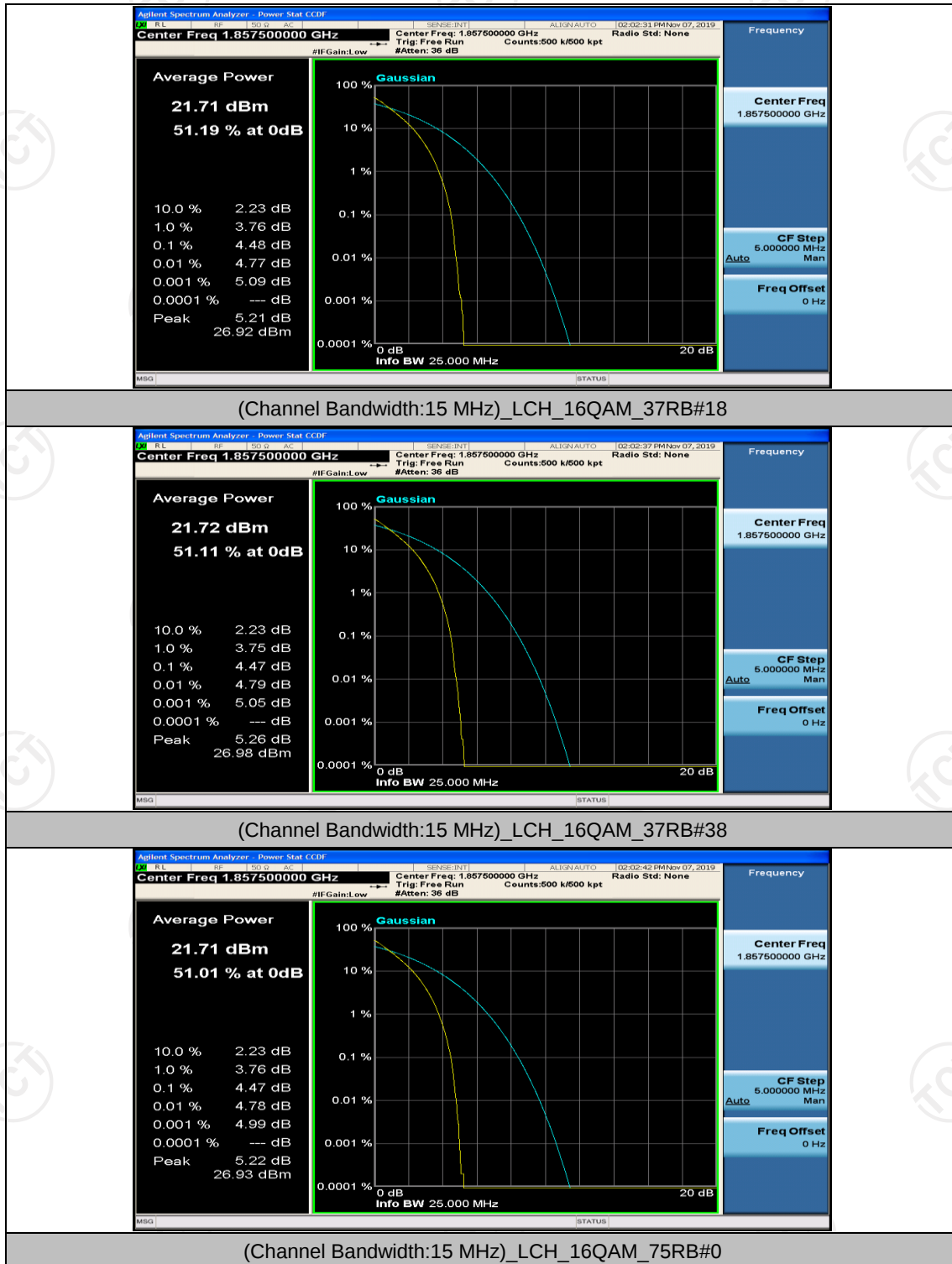
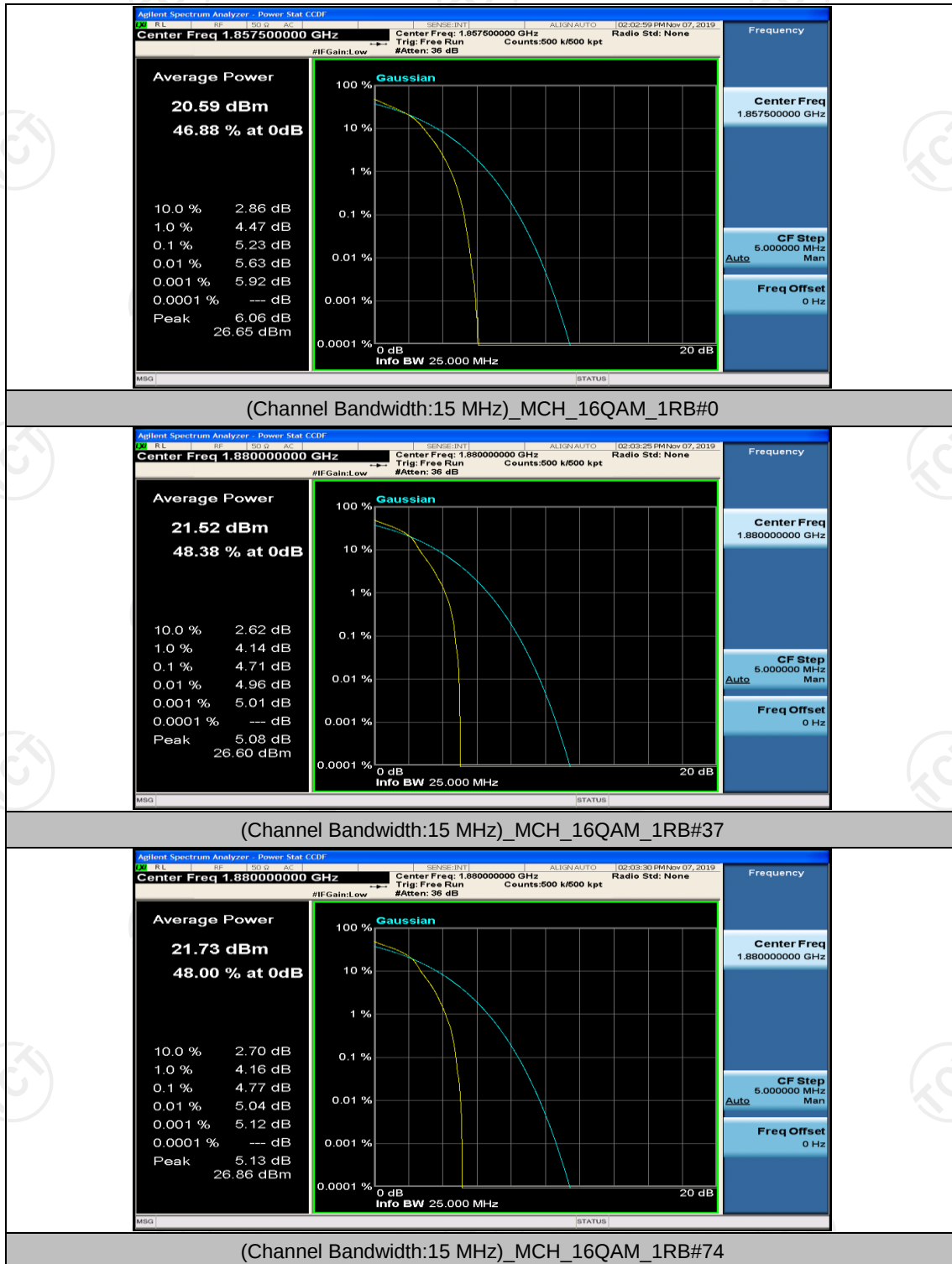
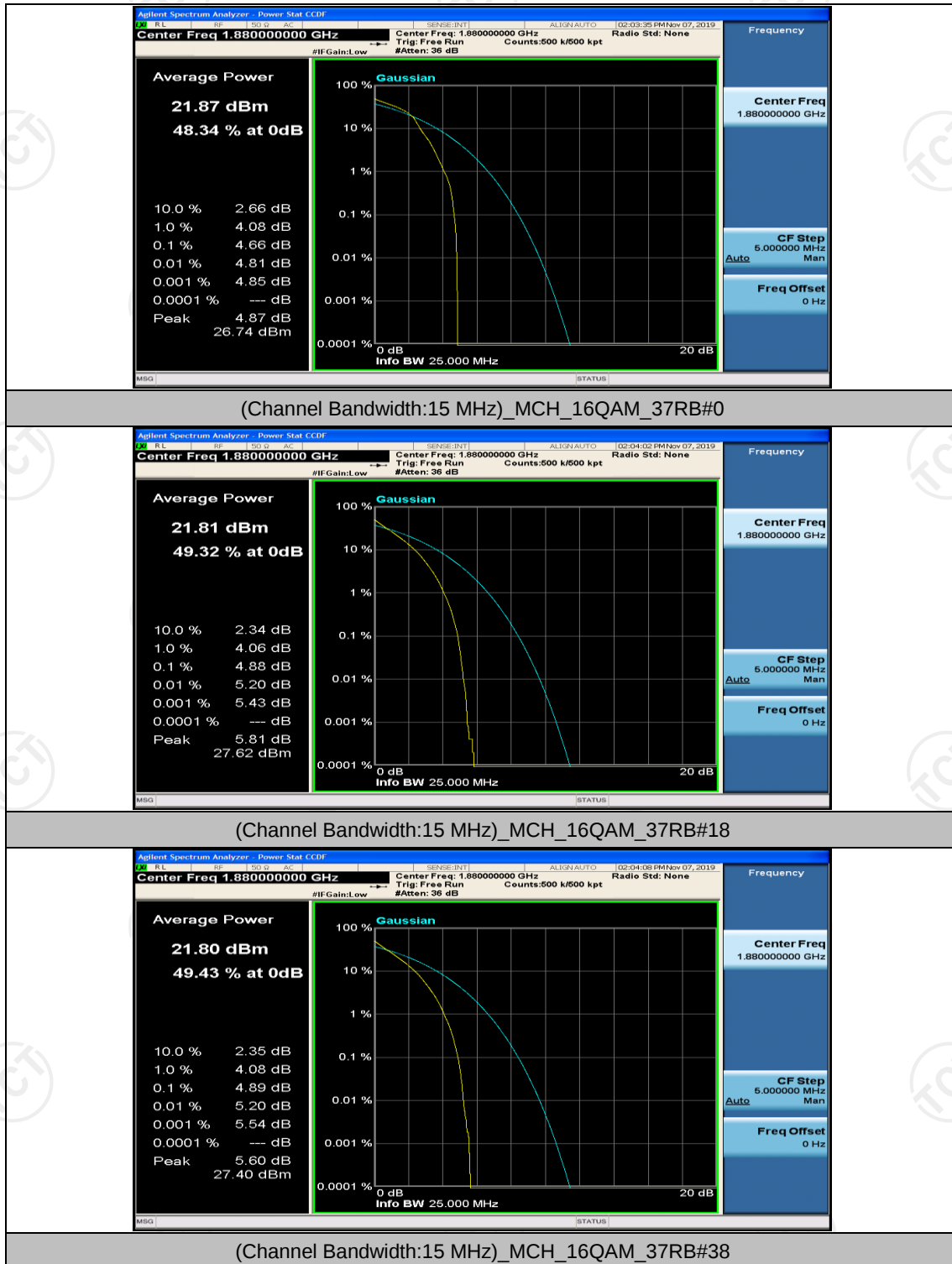
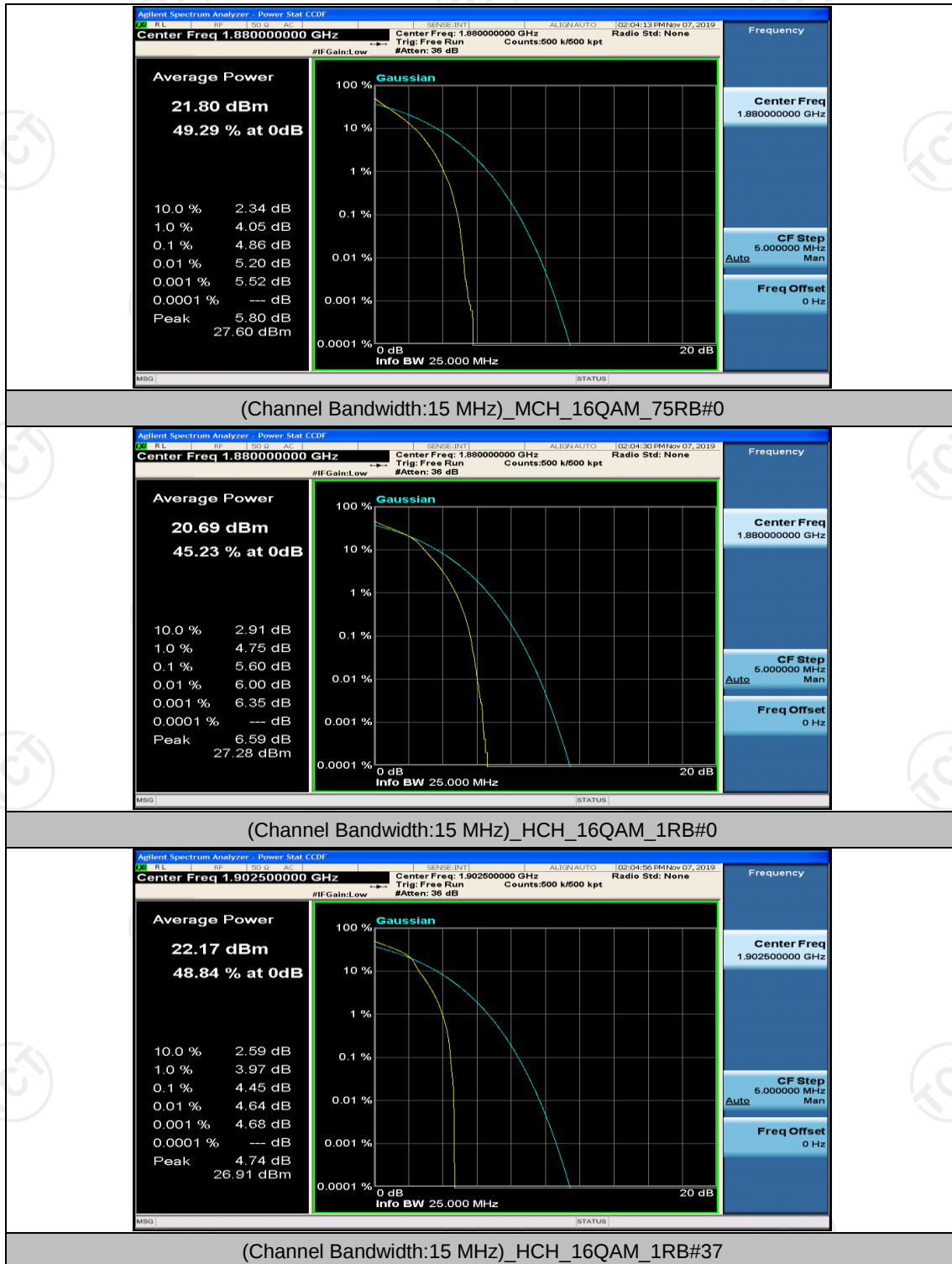
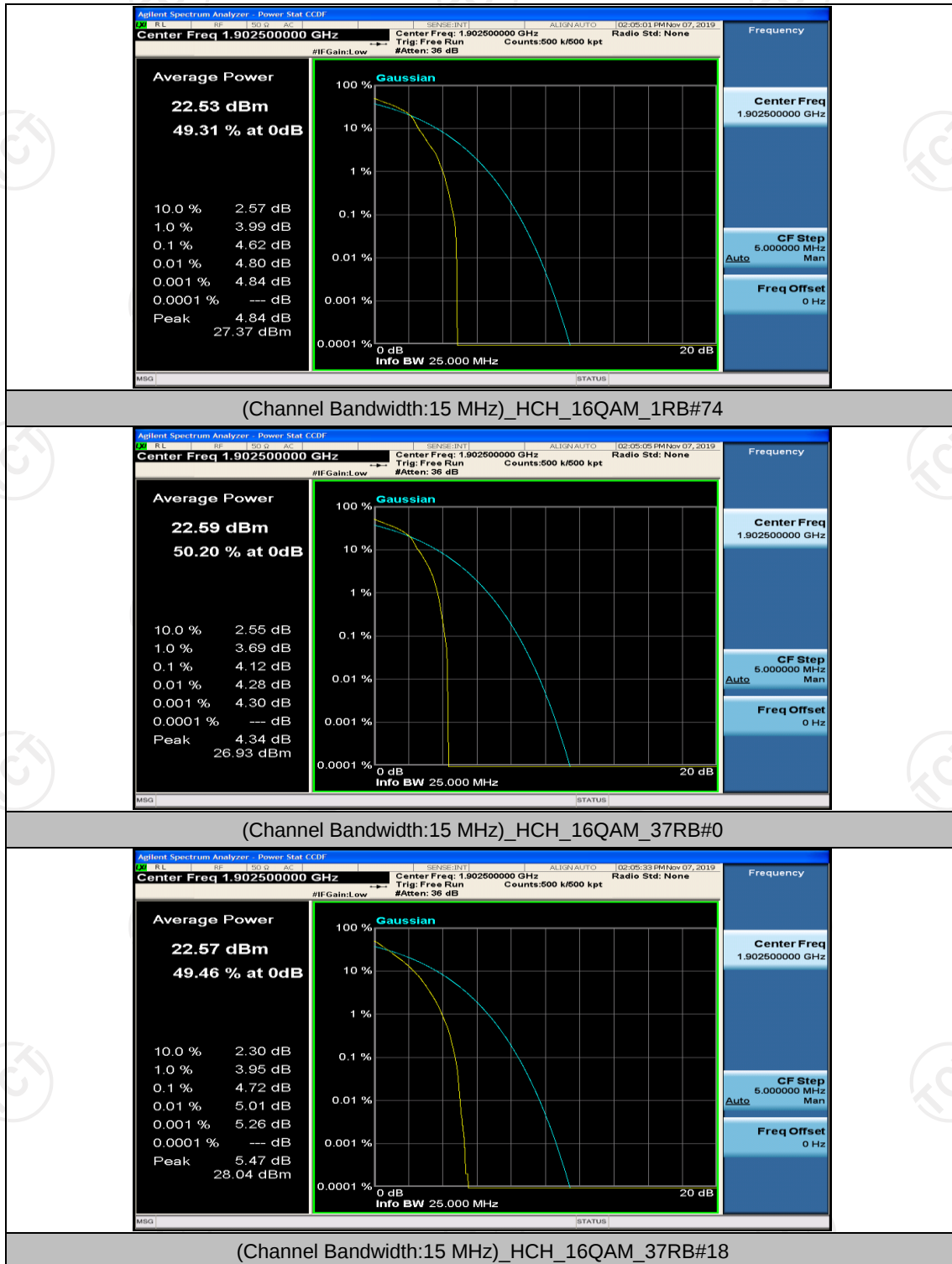


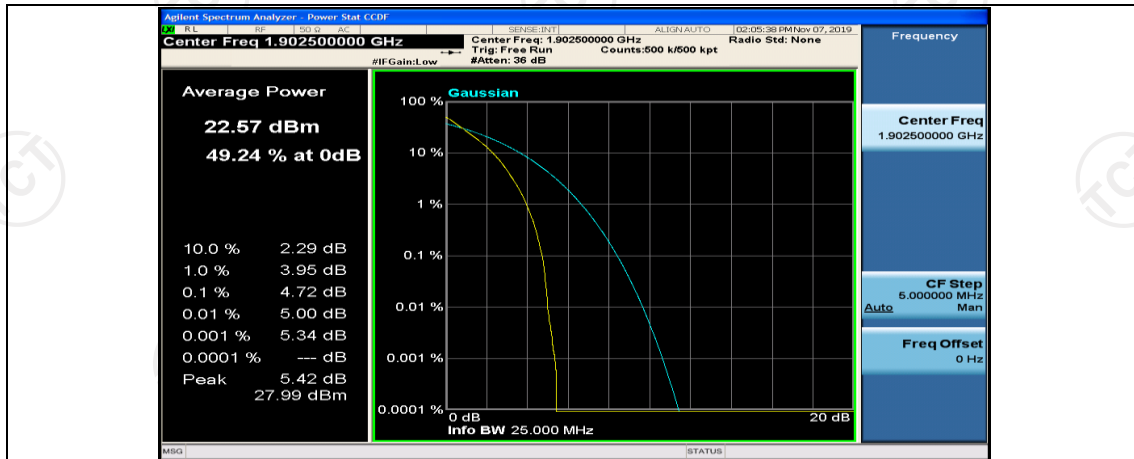




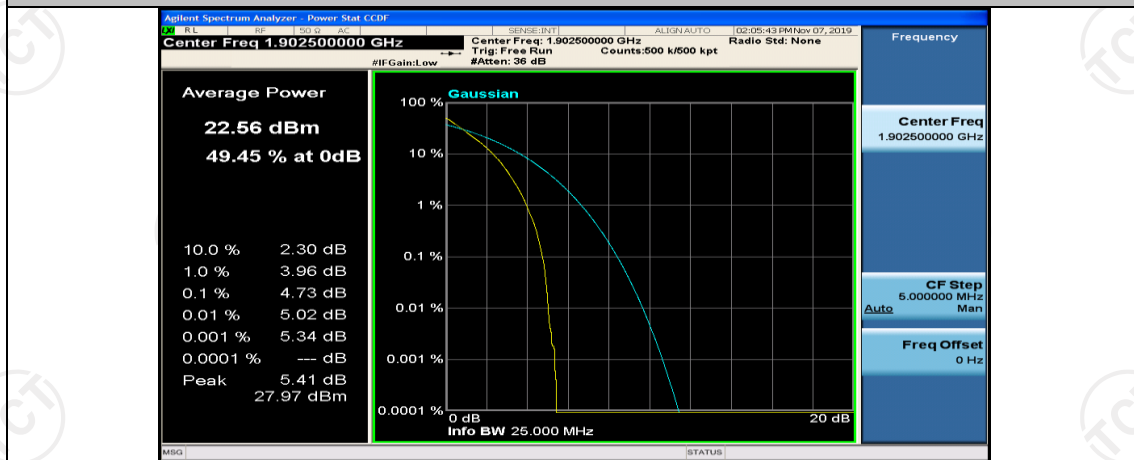




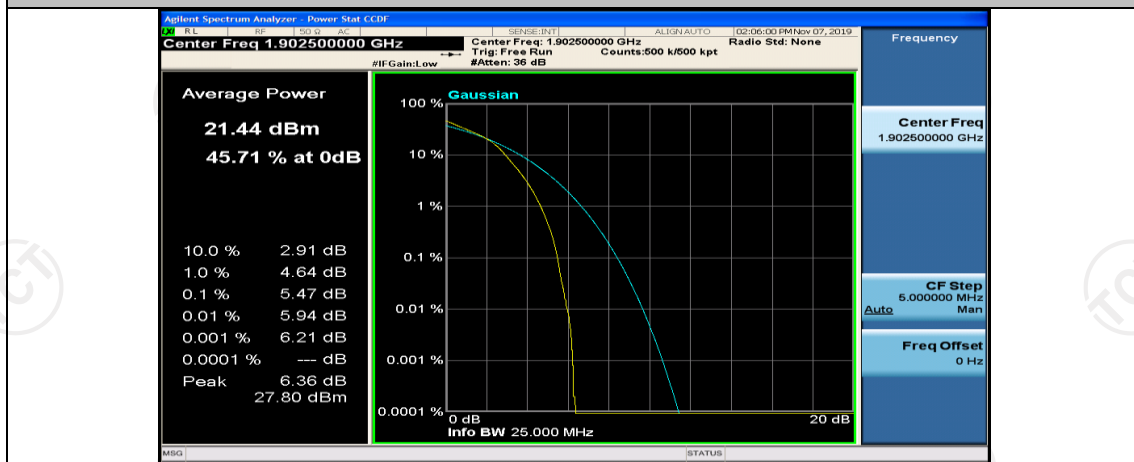




(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_37RB#38

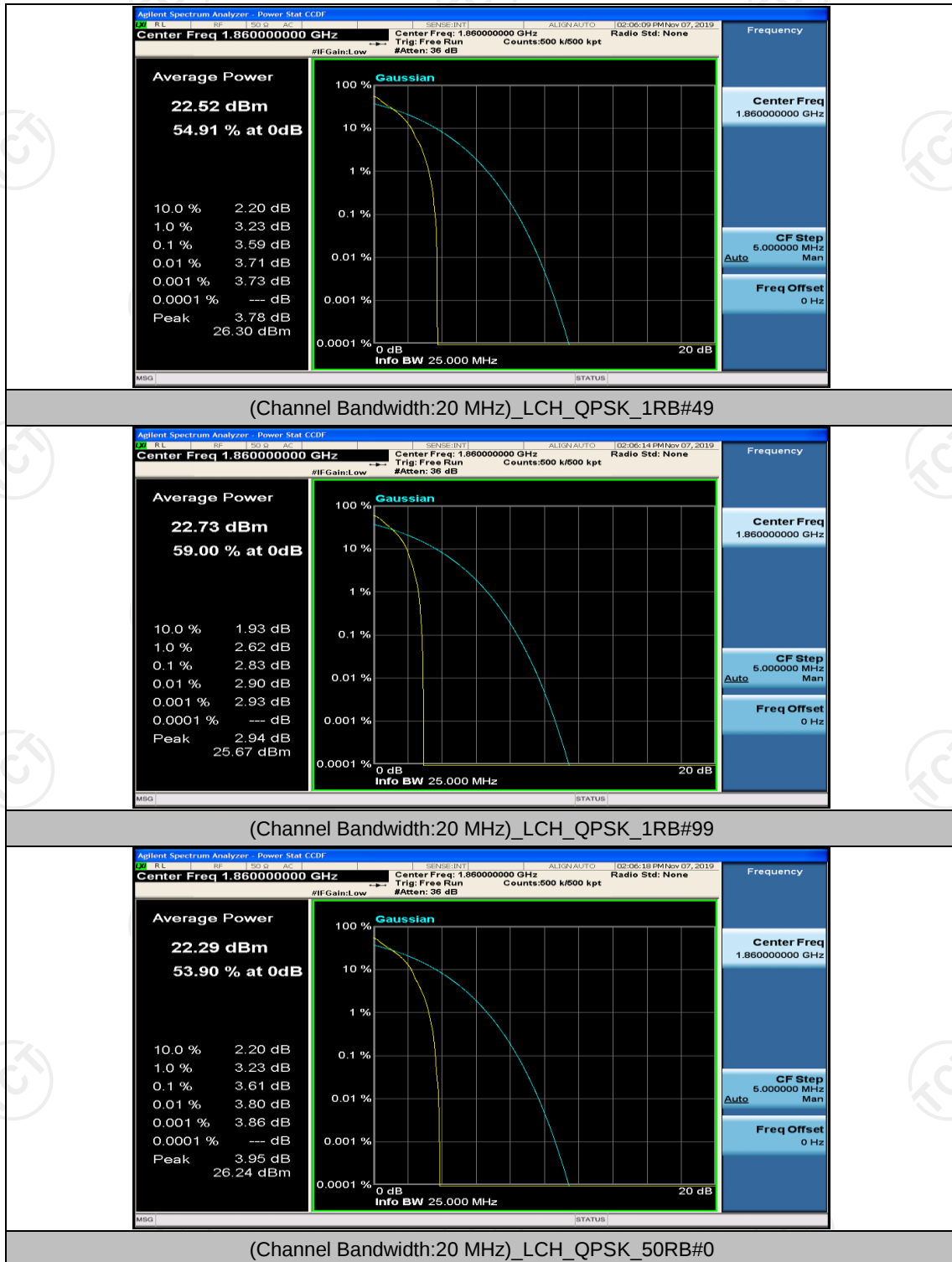


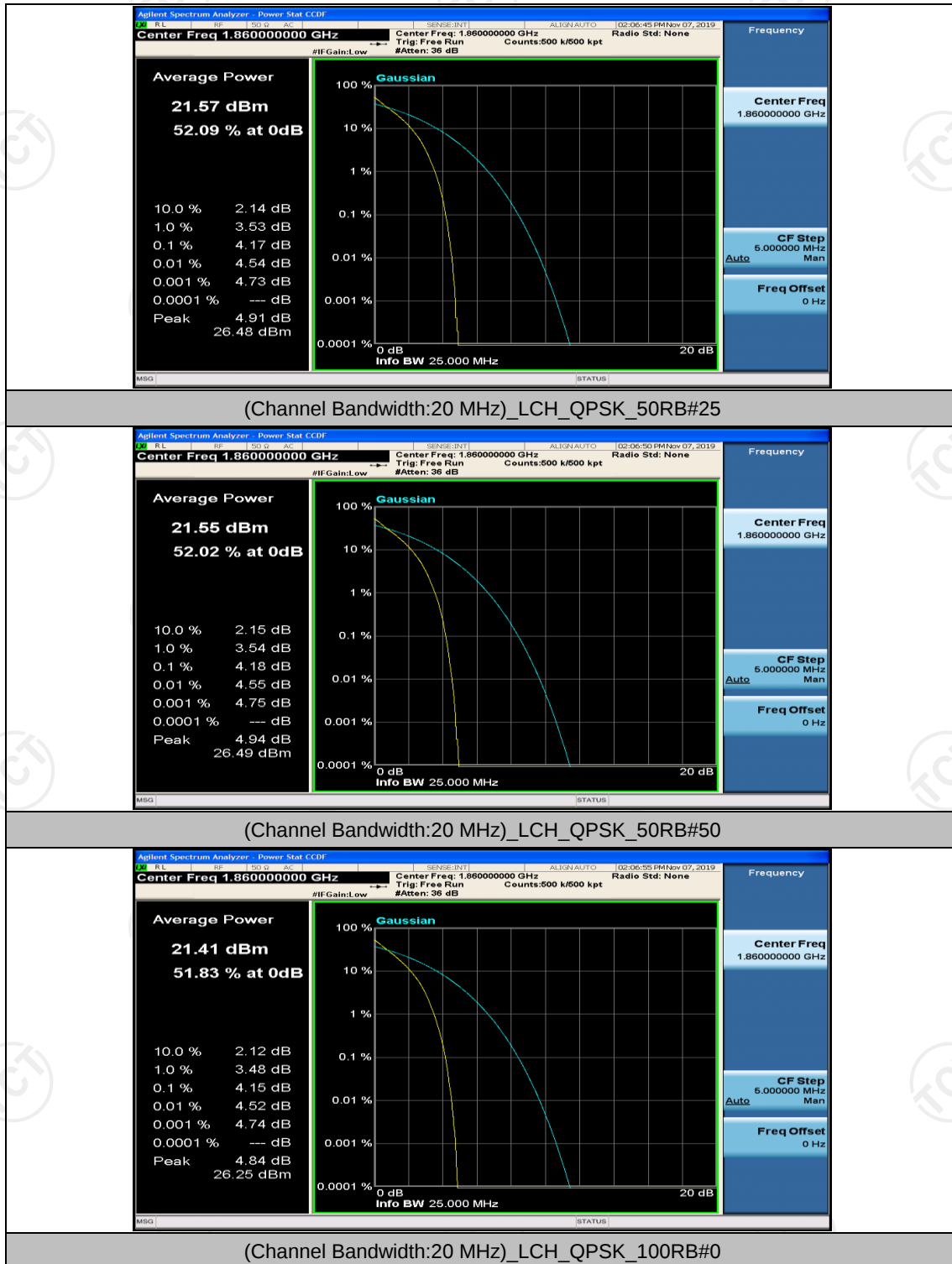
(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_75RB#0

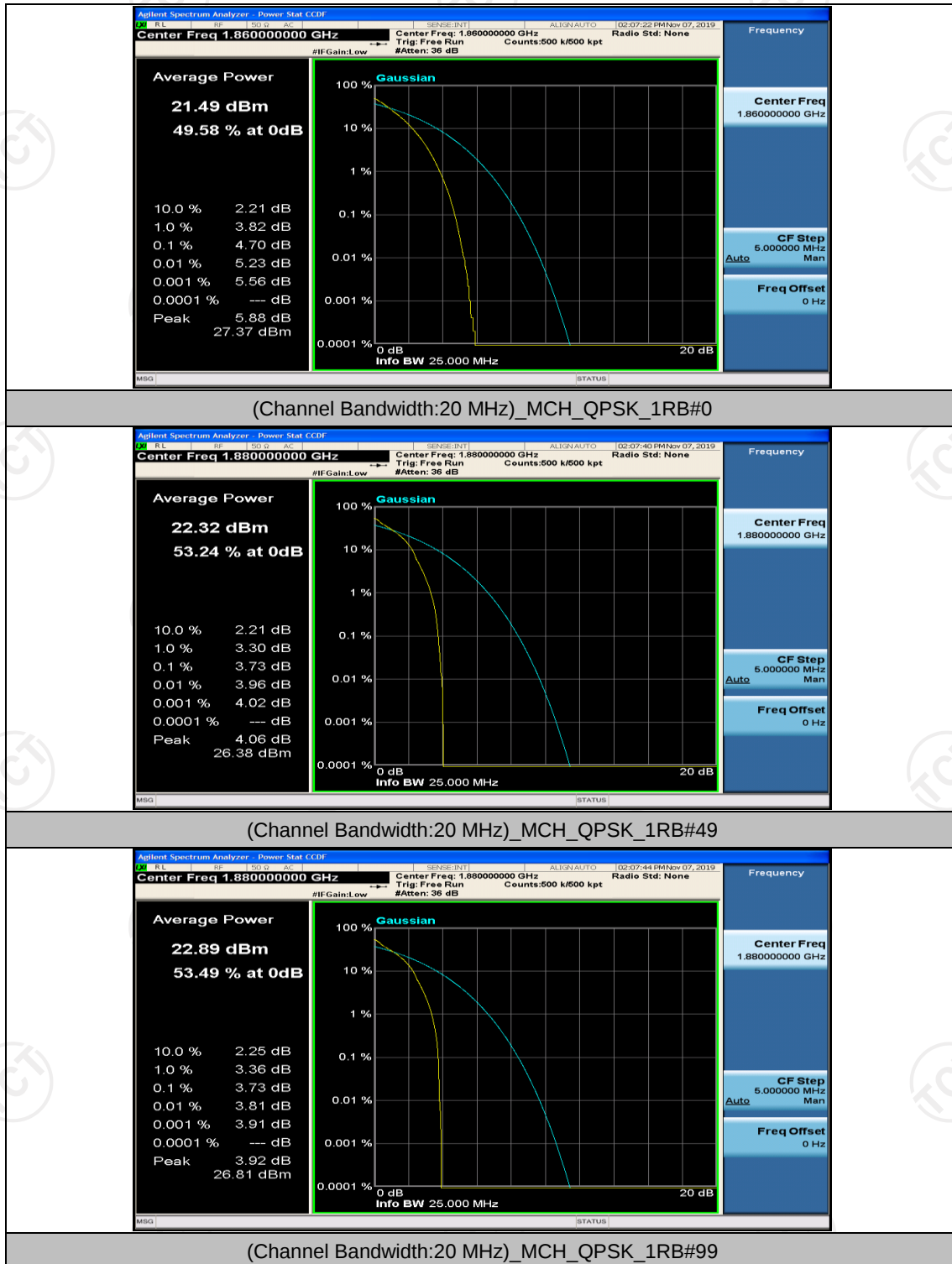


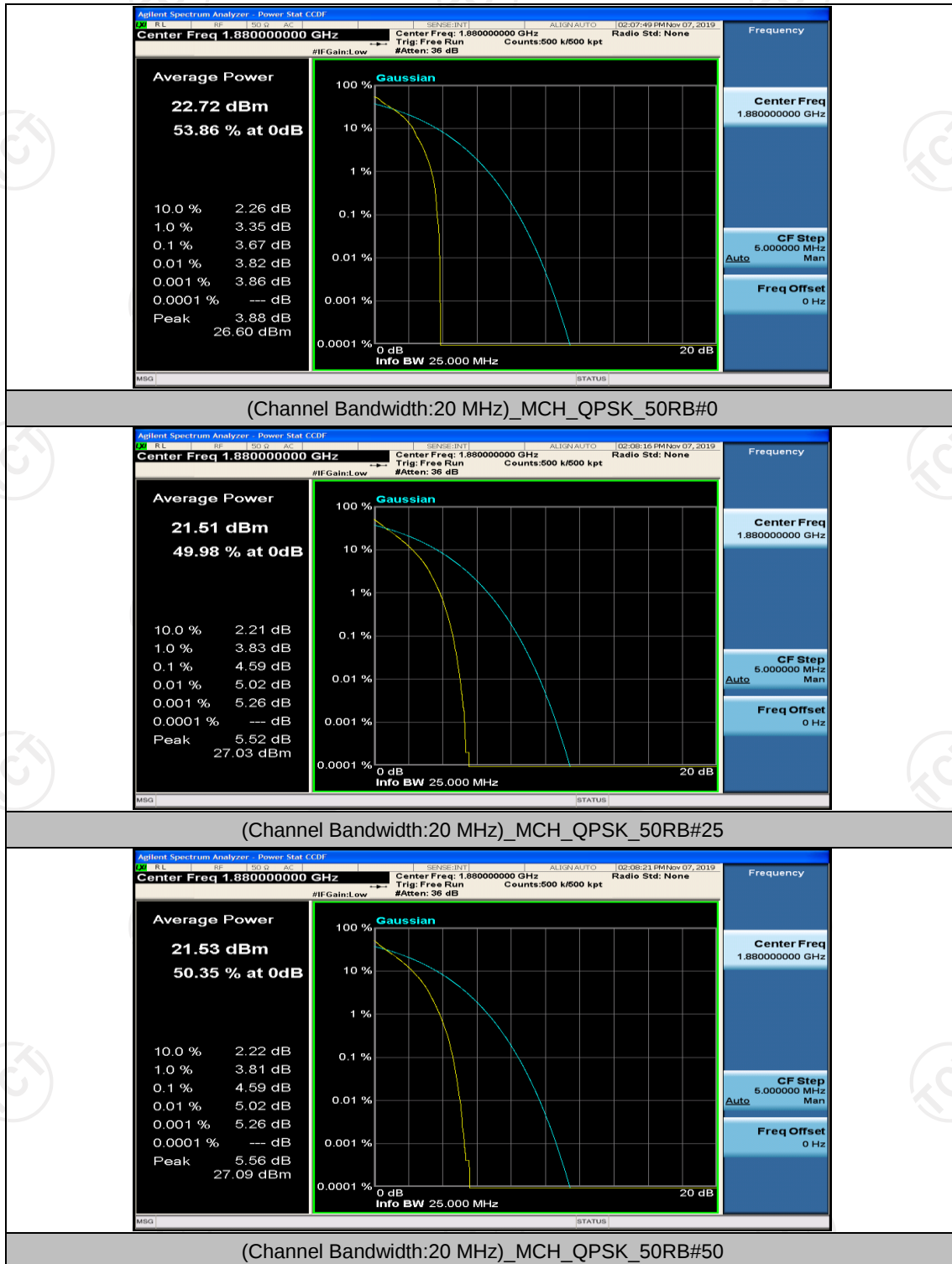
Channel Bandwidth: 20 MHz

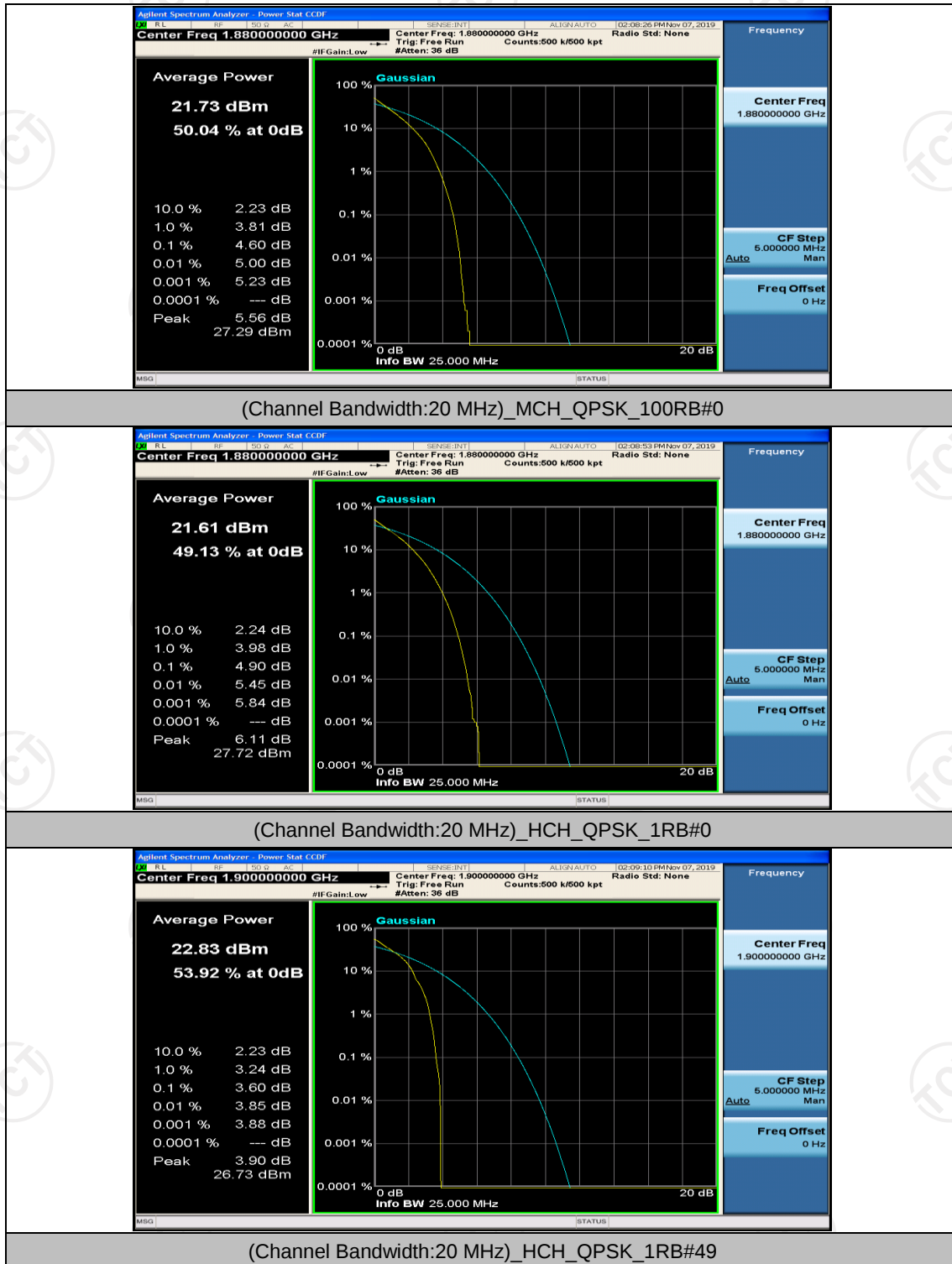
(Channel Bandwidth:20 MHz)\_LCH\_QPSK\_1RB#0

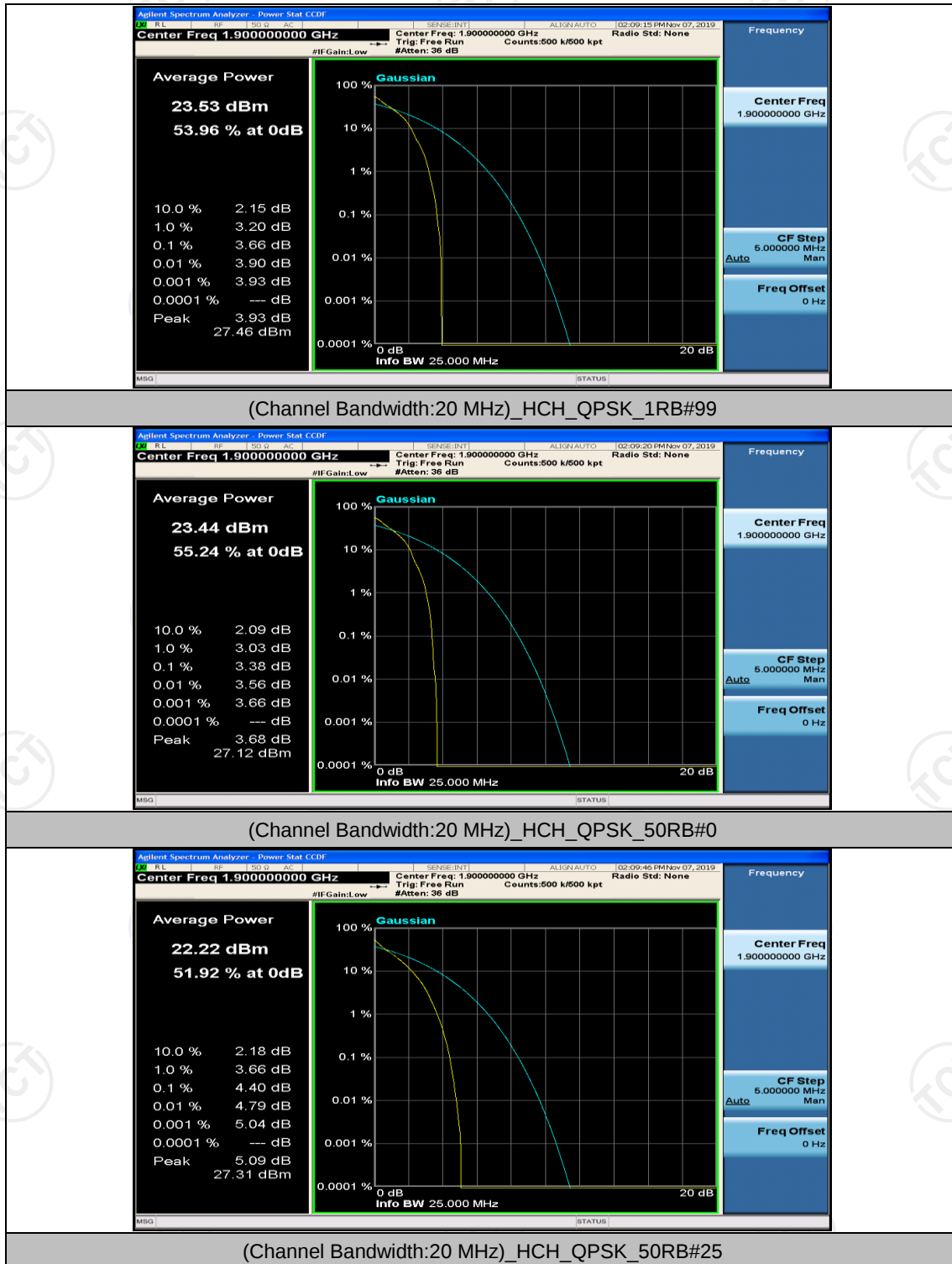


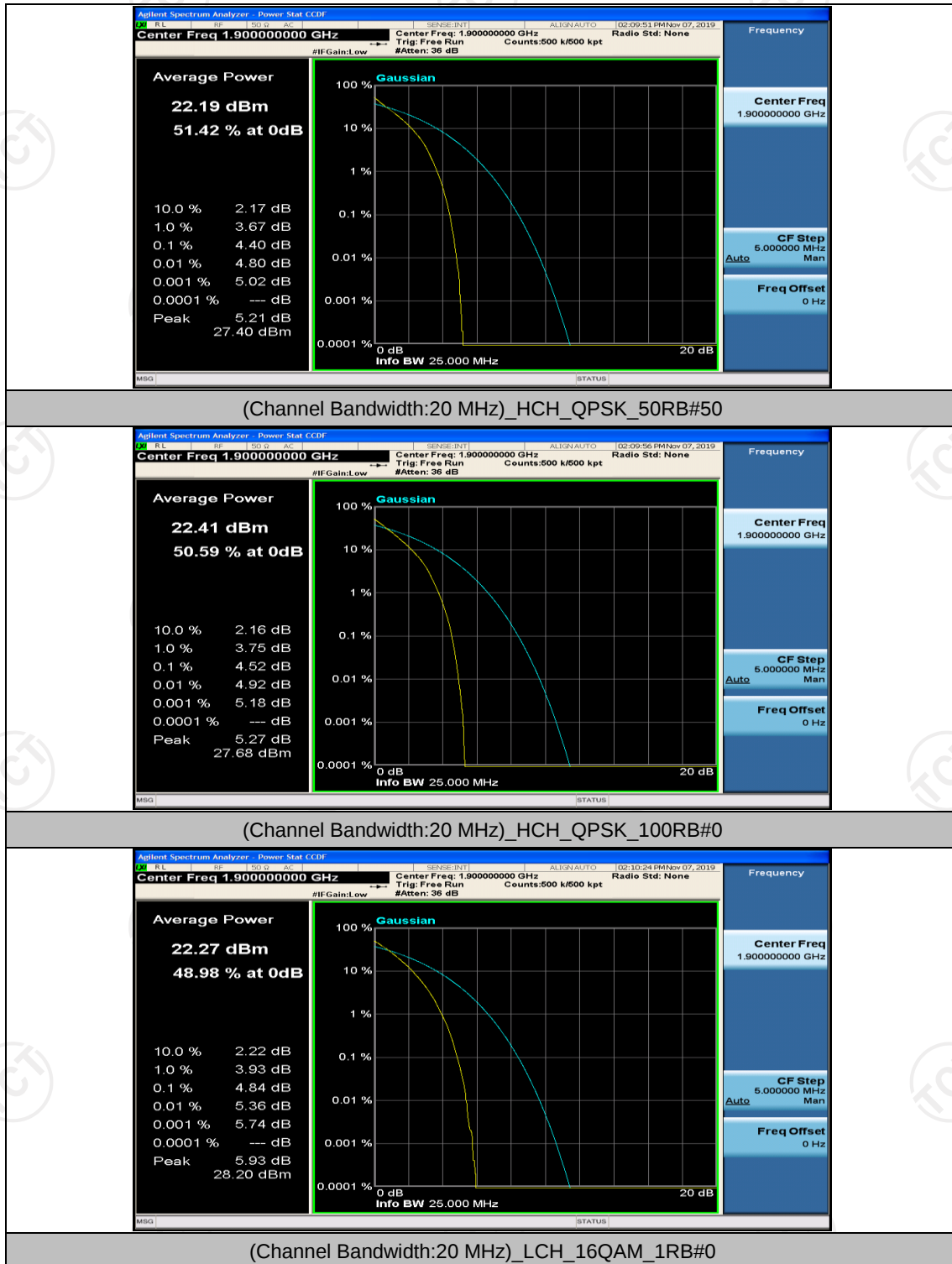


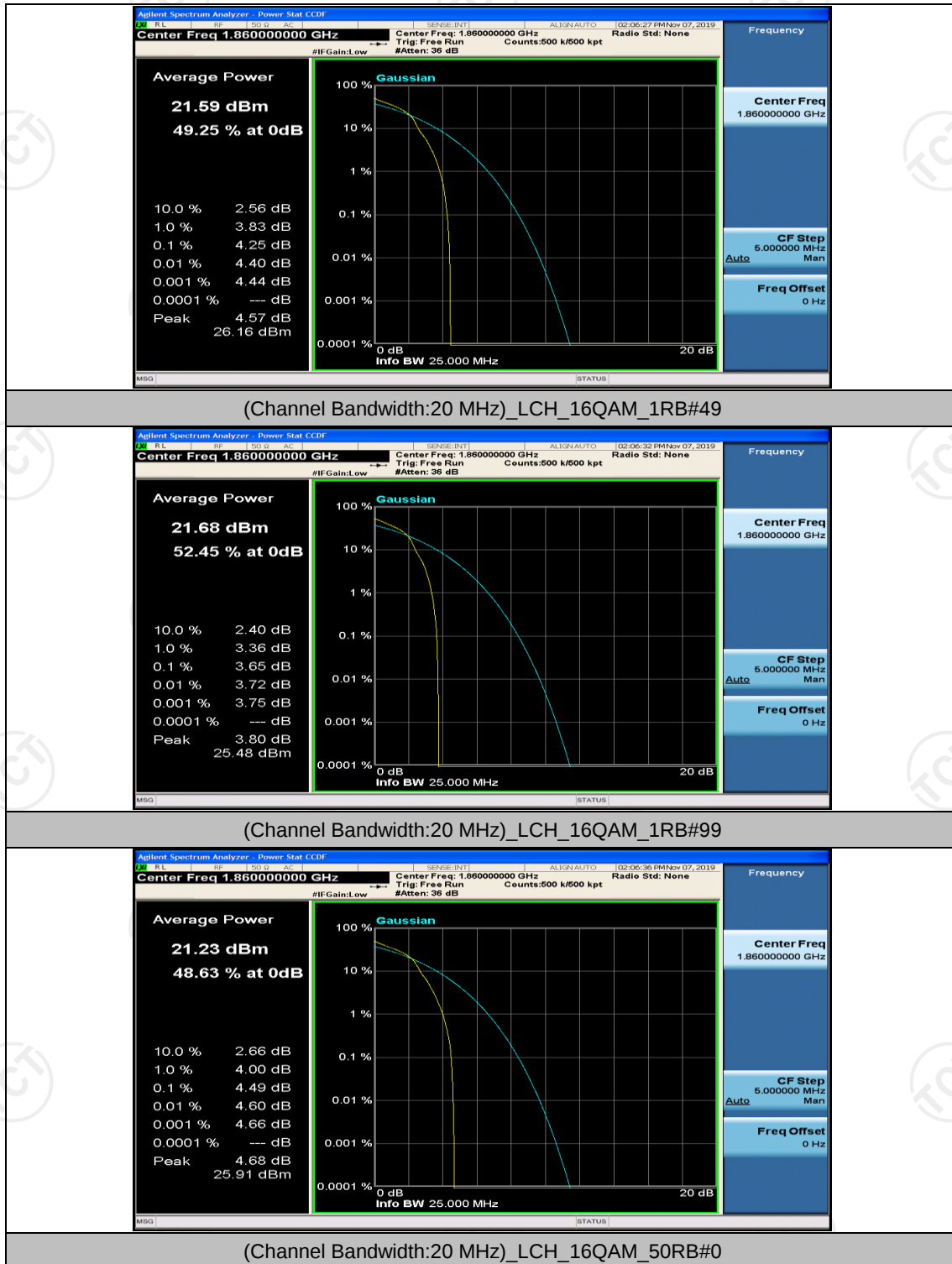


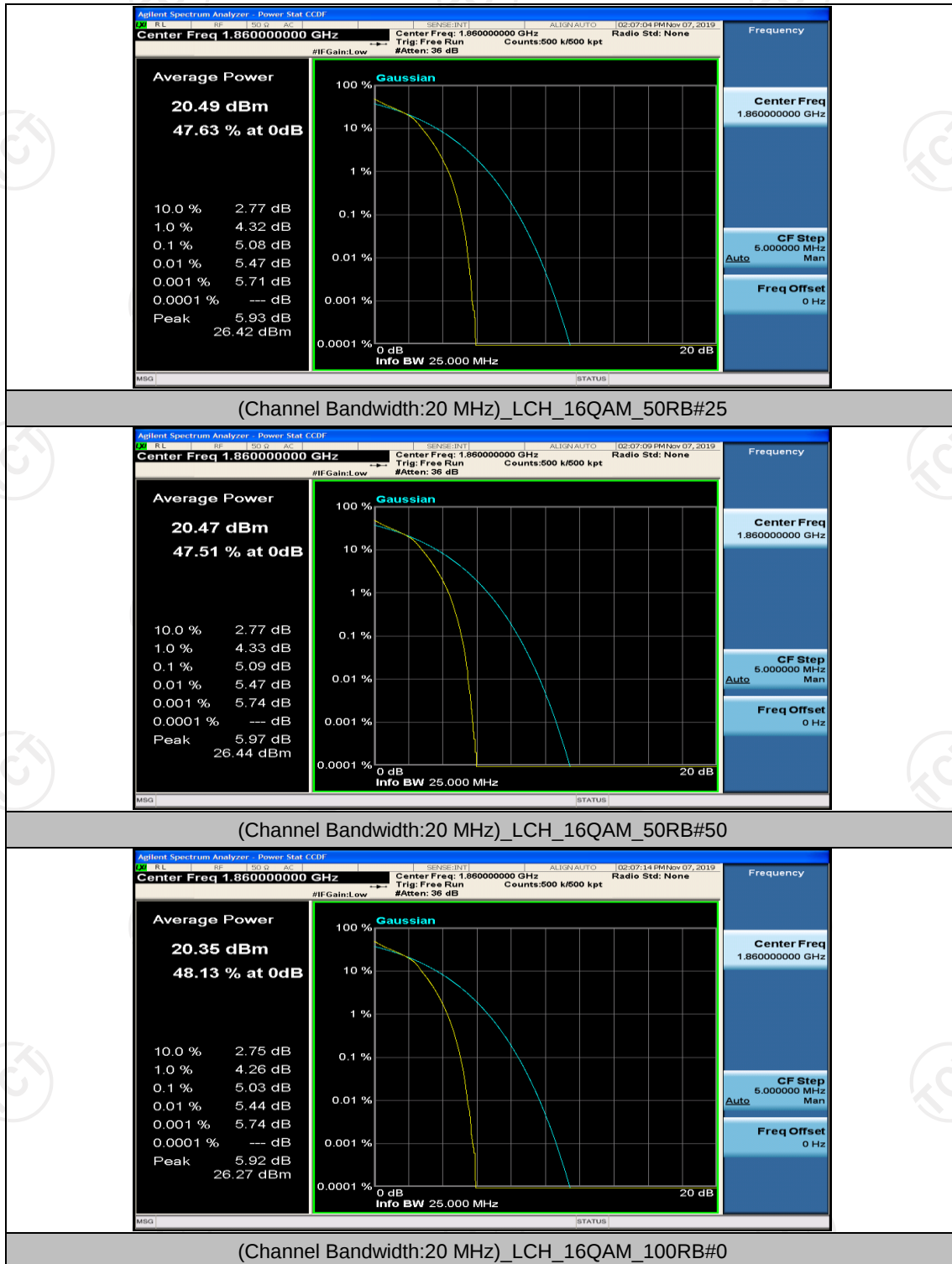


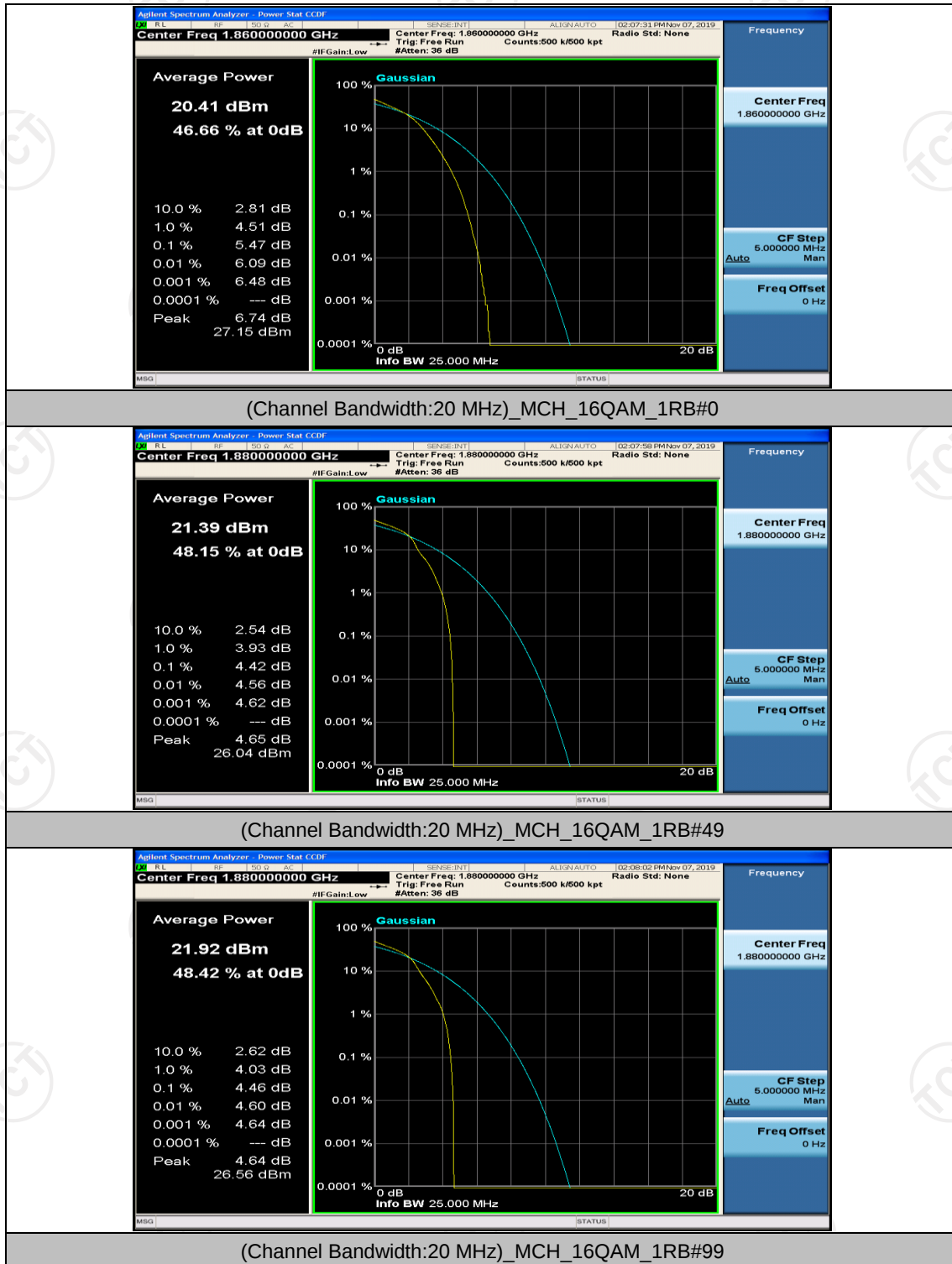


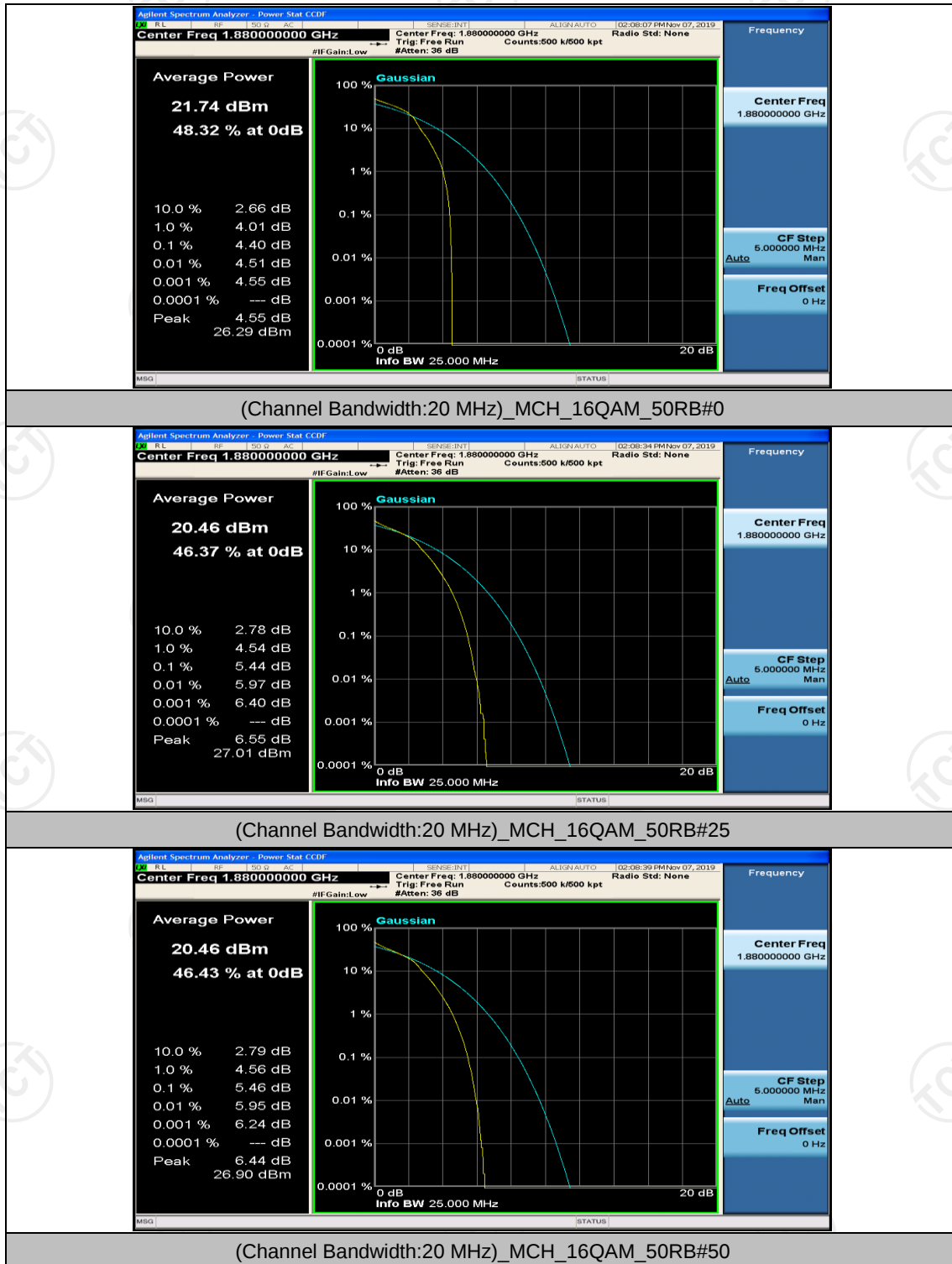


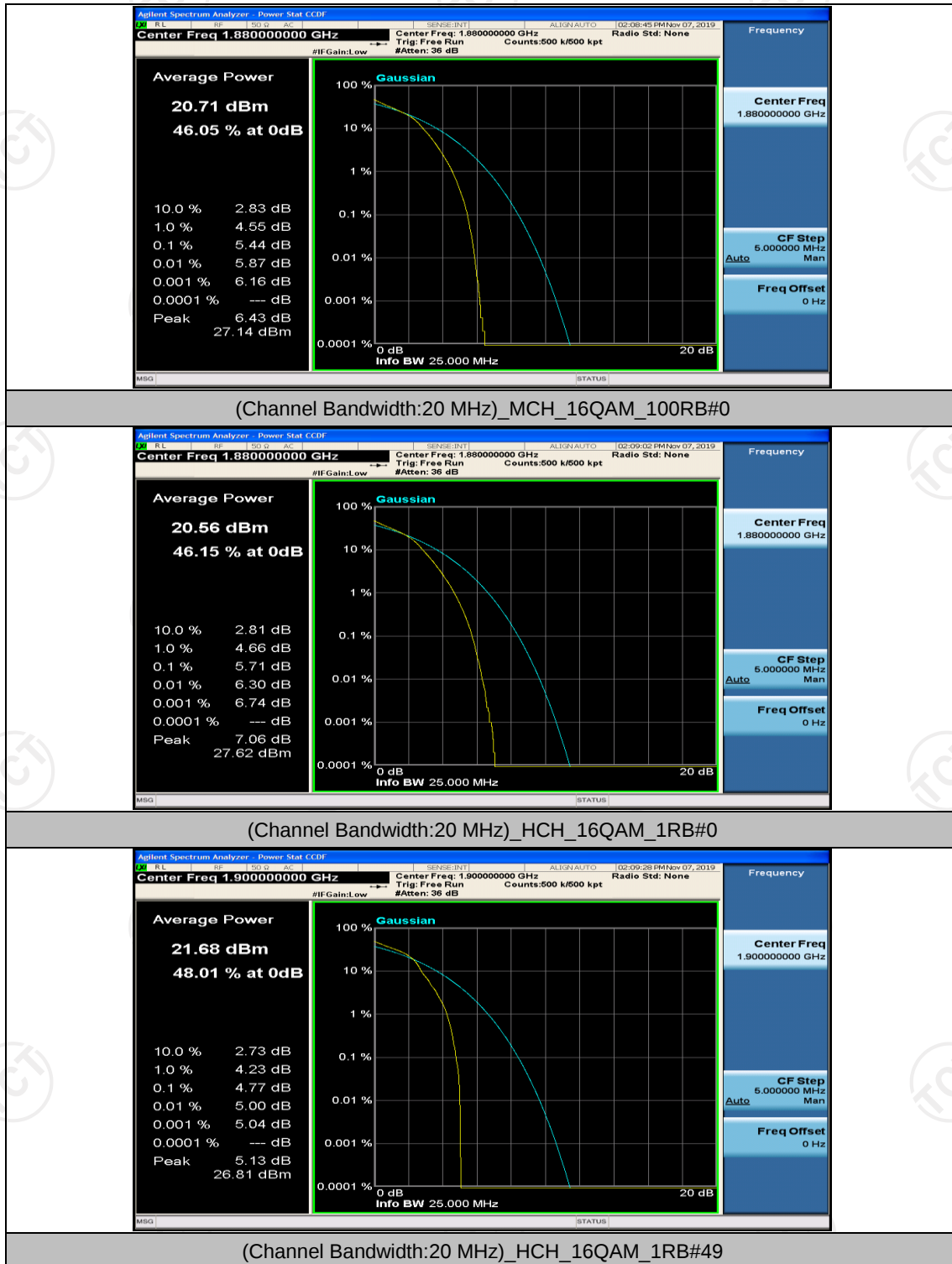


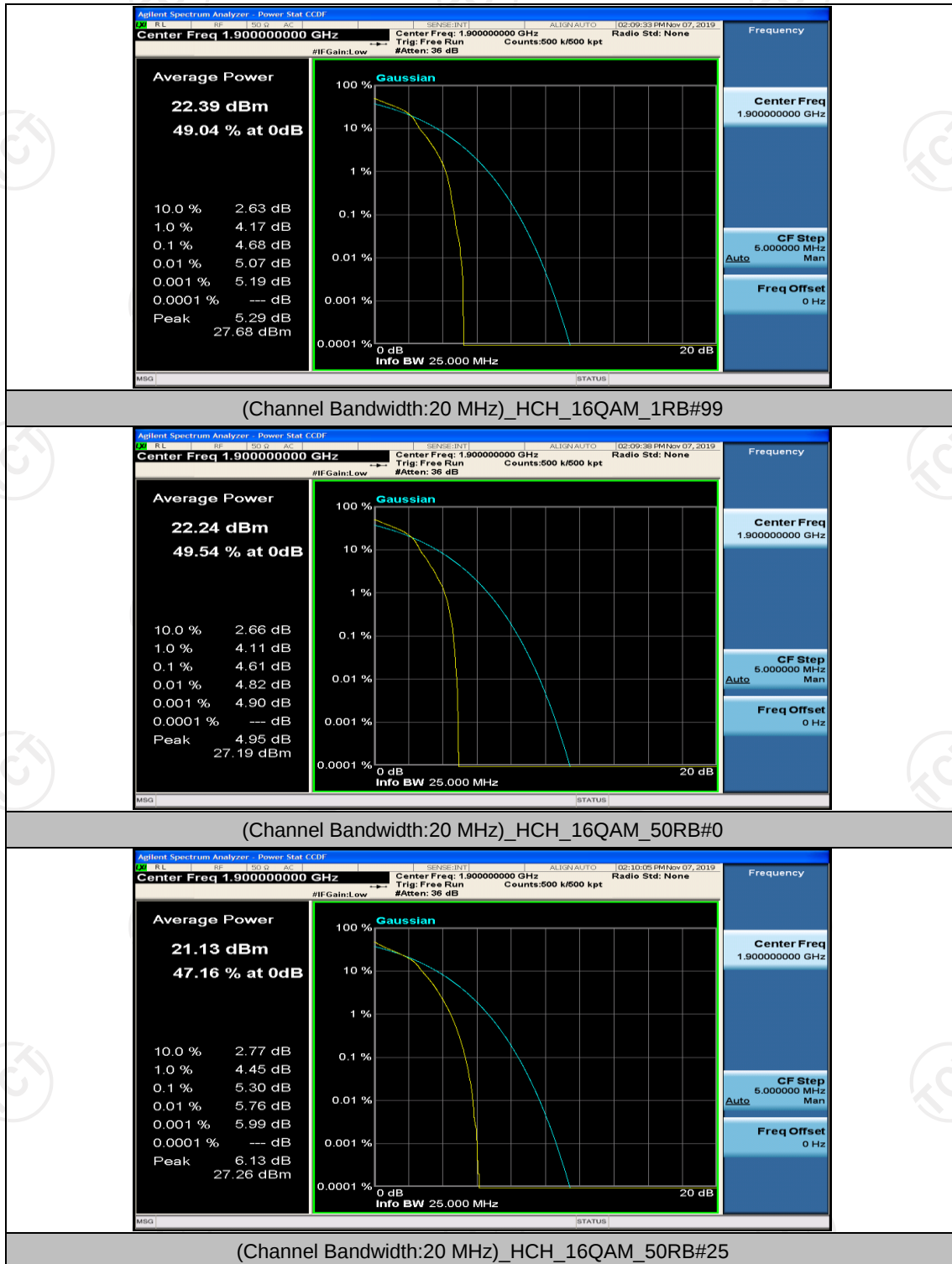


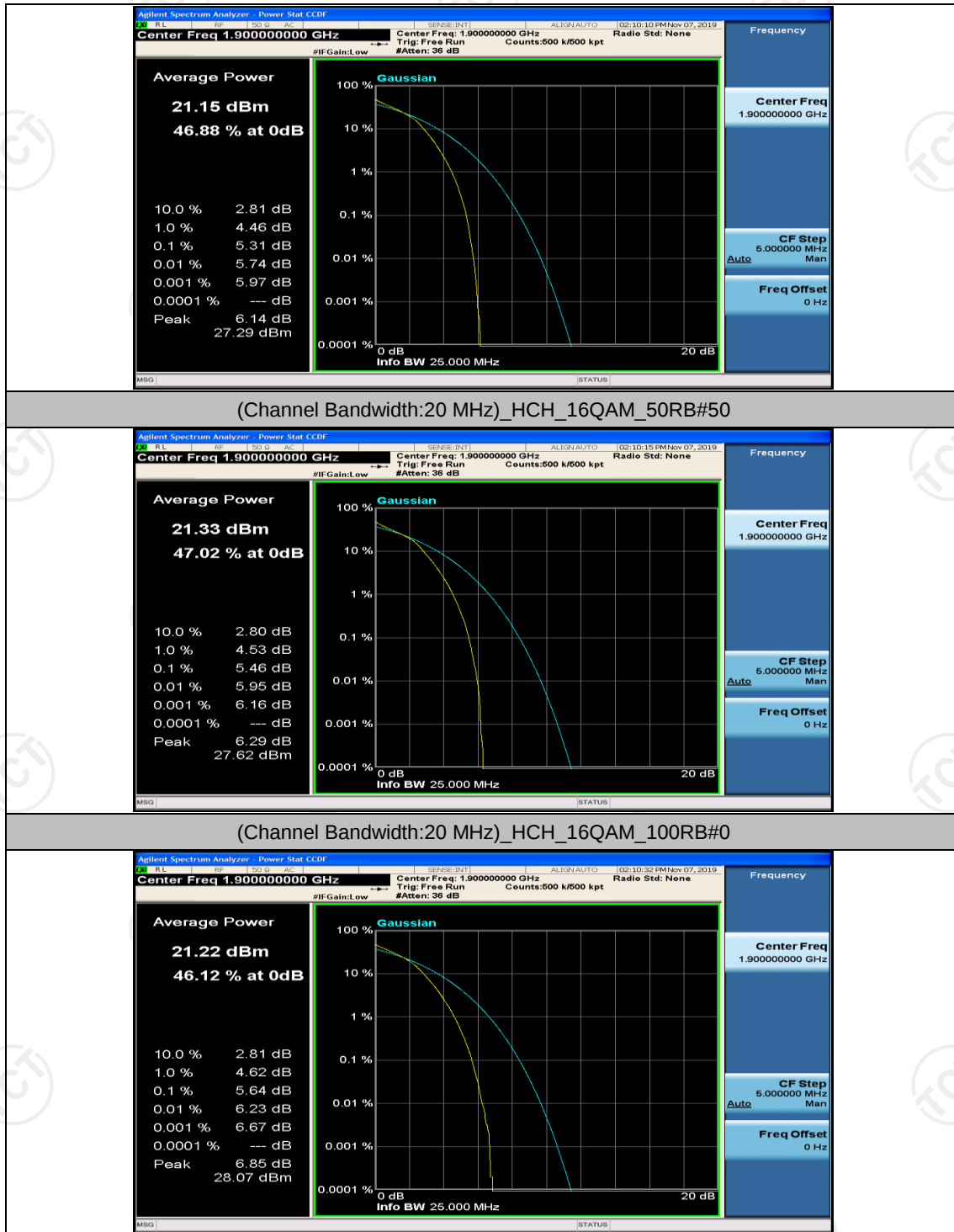












## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

#### Channel Bandwidth: 1.4 MHz

| Channel Bandwidth: 1.4 MHz |         |                  |        |                          |                      |         |
|----------------------------|---------|------------------|--------|--------------------------|----------------------|---------|
| Modulation                 | Channel | RB Configuration |        | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|                            |         | Size             | Offset |                          |                      |         |
| QPSK                       | LCH     | 1                | 0      | 0.23602                  | 0.3726               | PASS    |
|                            |         | 1                | 3      | 0.24545                  | 0.4158               | PASS    |
|                            |         | 1                | 5      | 0.24693                  | 0.4064               | PASS    |
|                            |         | 3                | 0      | 0.55970                  | 0.7463               | PASS    |
|                            |         | 3                | 2      | 0.56016                  | 0.7584               | PASS    |
|                            |         | 3                | 3      | 0.55903                  | 0.7881               | PASS    |
|                            |         | 6                | 0      | 1.0790                   | 1.230                | PASS    |
|                            | MCH     | 1                | 0      | 0.23048                  | 0.3626               | PASS    |
|                            |         | 1                | 3      | 0.23648                  | 0.3984               | PASS    |
|                            |         | 1                | 5      | 0.23197                  | 0.3652               | PASS    |
|                            |         | 3                | 0      | 0.55784                  | 0.7109               | PASS    |
|                            |         | 3                | 2      | 0.55418                  | 0.7422               | PASS    |
|                            |         | 3                | 3      | 0.55044                  | 0.7549               | PASS    |
|                            |         | 6                | 0      | 1.0779                   | 1.222                | PASS    |
|                            | HCH     | 1                | 0      | 0.25542                  | 0.4115               | PASS    |
|                            |         | 1                | 3      | 0.26655                  | 0.4212               | PASS    |
|                            |         | 1                | 5      | 0.25769                  | 0.3971               | PASS    |
|                            |         | 3                | 0      | 0.56444                  | 0.8147               | PASS    |
|                            |         | 3                | 2      | 0.56462                  | 0.8177               | PASS    |
|                            |         | 3                | 3      | 0.57205                  | 0.8953               | PASS    |
|                            |         | 6                | 0      | 1.0852                   | 1.288                | PASS    |
| 16QAM                      | LCH     | 1                | 0      | 0.24605                  | 0.3856               | PASS    |
|                            |         | 1                | 3      | 0.25196                  | 0.3962               | PASS    |
|                            |         | 1                | 5      | 0.23873                  | 0.3721               | PASS    |
|                            |         | 3                | 0      | 0.55572                  | 0.7654               | PASS    |
|                            |         | 3                | 2      | 0.55314                  | 0.7770               | PASS    |
|                            |         | 3                | 3      | 0.55553                  | 0.7250               | PASS    |
|                            |         | 6                | 0      | 1.0787                   | 1.244                | PASS    |
|                            | MCH     | 1                | 0      | 0.23402                  | 0.3708               | PASS    |
|                            |         | 1                | 3      | 0.24195                  | 0.3697               | PASS    |

|  |     |   |   |         |        |      |
|--|-----|---|---|---------|--------|------|
|  |     | 1 | 5 | 0.23467 | 0.3528 | PASS |
|  |     | 3 | 0 | 0.55301 | 0.7364 | PASS |
|  |     | 3 | 2 | 0.55233 | 0.7430 | PASS |
|  |     | 3 | 3 | 0.55364 | 0.7515 | PASS |
|  |     | 6 | 0 | 1.0758  | 1.278  | PASS |
|  | HCH | 1 | 0 | 0.24488 | 0.3703 | PASS |
|  |     | 1 | 3 | 0.24839 | 0.4082 | PASS |
|  |     | 1 | 5 | 0.25138 | 0.4195 | PASS |
|  |     | 3 | 0 | 0.55349 | 0.7580 | PASS |
|  |     | 3 | 2 | 0.55477 | 0.7259 | PASS |
|  |     | 3 | 3 | 0.55635 | 0.7800 | PASS |
|  |     | 6 | 0 | 1.0802  | 1.256  | PASS |

## Channel Bandwidth: 3 MHz

| Channel Bandwidth: 3 MHz |         |                  |        |                          |                      |         |
|--------------------------|---------|------------------|--------|--------------------------|----------------------|---------|
| Modulation               | Channel | RB Configuration |        | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|                          |         | Size             | Offset |                          |                      |         |
| QPSK                     | LCH     | 1                | 0      | 0.27712                  | 0.4344               | PASS    |
|                          |         | 1                | 7      | 0.26821                  | 0.4878               | PASS    |
|                          |         | 1                | 14     | 0.27268                  | 0.4236               | PASS    |
|                          |         | 8                | 0      | 1.4452                   | 1.686                | PASS    |
|                          |         | 8                | 4      | 1.4410                   | 1.653                | PASS    |
|                          |         | 8                | 7      | 1.4468                   | 1.696                | PASS    |
|                          |         | 15               | 0      | 2.6826                   | 2.835                | PASS    |
|                          | MCH     | 1                | 0      | 0.26616                  | 0.4118               | PASS    |
|                          |         | 1                | 7      | 0.26063                  | 0.4209               | PASS    |
|                          |         | 1                | 14     | 0.27024                  | 0.4235               | PASS    |
|                          |         | 8                | 0      | 1.4424                   | 1.667                | PASS    |
|                          |         | 8                | 4      | 1.4403                   | 1.669                | PASS    |
|                          |         | 8                | 7      | 1.4439                   | 1.669                | PASS    |
|                          |         | 15               | 0      | 2.6847                   | 2.822                | PASS    |
|                          | HCH     | 1                | 0      | 0.26167                  | 0.3978               | PASS    |
|                          |         | 1                | 7      | 0.27672                  | 0.4435               | PASS    |
|                          |         | 1                | 14     | 0.27855                  | 0.4284               | PASS    |
|                          |         | 8                | 0      | 1.4433                   | 1.734                | PASS    |
|                          |         | 8                | 4      | 1.4449                   | 1.690                | PASS    |
|                          |         | 8                | 7      | 1.4457                   | 1.682                | PASS    |
|                          |         | 15               | 0      | 2.6855                   | 2.838                | PASS    |

|       |     |    |    |         |        |      |
|-------|-----|----|----|---------|--------|------|
| 16QAM | LCH | 1  | 0  | 0.26935 | 0.4064 | PASS |
|       |     | 1  | 7  | 0.26926 | 0.4370 | PASS |
|       |     | 1  | 14 | 0.27545 | 0.4165 | PASS |
|       |     | 8  | 0  | 1.4507  | 1.659  | PASS |
|       |     | 8  | 4  | 1.4473  | 1.638  | PASS |
|       |     | 8  | 7  | 1.4515  | 1.631  | PASS |
|       |     | 15 | 0  | 2.6781  | 2.843  | PASS |
|       | MCH | 1  | 0  | 0.26956 | 0.4322 | PASS |
|       |     | 1  | 7  | 0.27248 | 0.4629 | PASS |
|       |     | 1  | 14 | 0.26802 | 0.3817 | PASS |
|       |     | 8  | 0  | 1.4441  | 1.658  | PASS |
|       |     | 8  | 4  | 1.4443  | 1.647  | PASS |
|       |     | 8  | 7  | 1.4511  | 1.630  | PASS |
|       |     | 15 | 0  | 2.6750  | 2.843  | PASS |
|       | HCH | 1  | 0  | 0.25939 | 0.4206 | PASS |
|       |     | 1  | 7  | 0.27666 | 0.4259 | PASS |
|       |     | 1  | 14 | 0.26946 | 0.4359 | PASS |
|       |     | 8  | 0  | 1.4441  | 1.628  | PASS |
|       |     | 8  | 4  | 1.4422  | 1.615  | PASS |
|       |     | 8  | 7  | 1.4438  | 1.643  | PASS |
|       |     | 15 | 0  | 2.6814  | 2.840  | PASS |

## Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz |         |                  |        |                          |                      |         |
|--------------------------|---------|------------------|--------|--------------------------|----------------------|---------|
| Modulation               | Channel | RB Configuration |        | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|                          |         | Size             | Offset |                          |                      |         |
| QPSK                     | LCH     | 1                | 0      | 0.35787                  | 0.5452               | PASS    |
|                          |         | 1                | 12     | 0.37195                  | 0.6199               | PASS    |
|                          |         | 1                | 24     | 0.36684                  | 0.5975               | PASS    |
|                          |         | 12               | 0      | 2.1815                   | 2.584                | PASS    |
|                          |         | 12               | 6      | 2.1789                   | 2.756                | PASS    |
|                          |         | 12               | 13     | 2.1823                   | 2.666                | PASS    |
|                          |         | 25               | 0      | 4.4737                   | 4.925                | PASS    |
|                          | MCH     | 1                | 0      | 0.35055                  | 0.5771               | PASS    |
|                          |         | 1                | 12     | 0.35323                  | 0.5902               | PASS    |
|                          |         | 1                | 24     | 0.37207                  | 0.6207               | PASS    |
|                          |         | 12               | 0      | 2.1791                   | 2.547                | PASS    |
|                          |         | 12               | 6      | 2.1804                   | 2.648                | PASS    |

|       |     |    |    |         |        |      |
|-------|-----|----|----|---------|--------|------|
|       |     | 12 | 13 | 2.1791  | 2.696  | PASS |
|       |     | 25 | 0  | 4.4772  | 4.932  | PASS |
|       | HCH | 1  | 0  | 0.35890 | 0.6208 | PASS |
|       |     | 1  | 12 | 0.37463 | 0.5560 | PASS |
|       |     | 1  | 24 | 0.36712 | 0.5678 | PASS |
|       |     | 12 | 0  | 2.1757  | 2.630  | PASS |
|       |     | 12 | 6  | 2.1812  | 2.538  | PASS |
|       |     | 12 | 13 | 2.1842  | 2.681  | PASS |
|       |     | 25 | 0  | 4.4775  | 4.873  | PASS |
| 16QAM | LCH | 1  | 0  | 0.37355 | 0.5471 | PASS |
|       |     | 1  | 12 | 0.39365 | 0.5899 | PASS |
|       |     | 1  | 24 | 0.36542 | 0.6005 | PASS |
|       |     | 12 | 0  | 2.1798  | 2.587  | PASS |
|       |     | 12 | 6  | 2.1826  | 2.592  | PASS |
|       |     | 12 | 13 | 2.1812  | 2.582  | PASS |
|       |     | 25 | 0  | 4.4796  | 4.900  | PASS |
|       | MCH | 1  | 0  | 0.36530 | 0.5274 | PASS |
|       |     | 1  | 12 | 0.37773 | 0.5508 | PASS |
|       |     | 1  | 24 | 0.36752 | 0.5395 | PASS |
|       |     | 12 | 0  | 2.1781  | 2.630  | PASS |
|       |     | 12 | 6  | 2.1770  | 2.631  | PASS |
|       |     | 12 | 13 | 2.1839  | 2.605  | PASS |
|       |     | 25 | 0  | 4.4804  | 4.912  | PASS |
|       | HCH | 1  | 0  | 0.35379 | 0.5633 | PASS |
|       |     | 1  | 12 | 0.36116 | 0.5357 | PASS |
|       |     | 1  | 24 | 0.34144 | 0.5418 | PASS |
|       |     | 12 | 0  | 2.1725  | 2.603  | PASS |
|       |     | 12 | 6  | 2.1694  | 2.533  | PASS |
|       |     | 12 | 13 | 2.1758  | 2.569  | PASS |
|       |     | 25 | 0  | 4.4760  | 4.929  | PASS |

**Channel Bandwidth: 10 MHz**

| Channel Bandwidth: 10 MHz |         |                  |        |                          |                      |         |
|---------------------------|---------|------------------|--------|--------------------------|----------------------|---------|
| Modulation                | Channel | RB Configuration |        | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|                           |         | Size             | Offset |                          |                      |         |
| QPSK                      | LCH     | 1                | 0      | 0.44603                  | 0.6603               | PASS    |
|                           |         | 1                | 25     | 0.45310                  | 0.7360               | PASS    |
|                           |         | 1                | 49     | 0.46386                  | 0.7056               | PASS    |
|                           |         | 25               | 0      | 4.5244                   | 5.111                | PASS    |
|                           |         | 25               | 12     | 4.5219                   | 5.106                | PASS    |

|       |     |    |    |         |        |      |
|-------|-----|----|----|---------|--------|------|
|       |     | 25 | 25 | 4.5147  | 5.244  | PASS |
|       |     | 50 | 0  | 8.9541  | 9.604  | PASS |
|       | MCH | 1  | 0  | 0.43067 | 0.7012 | PASS |
|       |     | 1  | 25 | 0.44566 | 0.7032 | PASS |
|       |     | 1  | 49 | 0.45148 | 0.6933 | PASS |
|       |     | 25 | 0  | 4.5186  | 4.996  | PASS |
|       |     | 25 | 12 | 4.5244  | 5.084  | PASS |
|       |     | 25 | 25 | 4.5154  | 5.079  | PASS |
|       |     | 50 | 0  | 8.9526  | 9.602  | PASS |
|       | HCH | 1  | 0  | 0.43913 | 0.6841 | PASS |
|       |     | 1  | 25 | 0.47482 | 0.7497 | PASS |
|       |     | 1  | 49 | 0.45020 | 0.6638 | PASS |
|       |     | 25 | 0  | 4.5216  | 5.188  | PASS |
|       |     | 25 | 12 | 4.5198  | 5.065  | PASS |
|       |     | 25 | 25 | 4.5140  | 5.081  | PASS |
|       |     | 50 | 0  | 8.9542  | 9.490  | PASS |
| 16QAM | LCH | 1  | 0  | 0.45101 | 0.7086 | PASS |
|       |     | 1  | 25 | 0.46765 | 0.7519 | PASS |
|       |     | 1  | 49 | 0.46555 | 0.6810 | PASS |
|       |     | 25 | 0  | 4.5136  | 5.038  | PASS |
|       |     | 25 | 12 | 4.5182  | 5.127  | PASS |
|       |     | 25 | 25 | 4.5065  | 5.093  | PASS |
|       |     | 50 | 0  | 8.9206  | 9.549  | PASS |
|       | MCH | 1  | 0  | 0.43745 | 0.6784 | PASS |
|       |     | 1  | 25 | 0.44089 | 0.7204 | PASS |
|       |     | 1  | 49 | 0.45056 | 0.6397 | PASS |
|       |     | 25 | 0  | 4.5082  | 5.020  | PASS |
|       |     | 25 | 12 | 4.5129  | 5.058  | PASS |
|       |     | 25 | 25 | 4.5134  | 5.010  | PASS |
|       |     | 50 | 0  | 8.9311  | 9.613  | PASS |
|       | HCH | 1  | 0  | 0.44825 | 0.6697 | PASS |
|       |     | 1  | 25 | 0.46546 | 0.7522 | PASS |
|       |     | 1  | 49 | 0.46147 | 0.6649 | PASS |
|       |     | 25 | 0  | 4.5108  | 5.118  | PASS |
|       |     | 25 | 12 | 4.5107  | 5.108  | PASS |
|       |     | 25 | 25 | 4.5068  | 4.997  | PASS |
|       |     | 50 | 0  | 8.9553  | 9.490  | PASS |

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz

| Modulation | Channel | RB Configuration |        | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|------------|---------|------------------|--------|--------------------------|----------------------|---------|
|            |         | Size             | Offset |                          |                      |         |
| QPSK       | LCH     | 1                | 0      | 0.54177                  | 0.8032               | PASS    |
|            |         | 1                | 37     | 0.56752                  | 0.8380               | PASS    |
|            |         | 1                | 74     | 0.53510                  | 0.7888               | PASS    |
|            |         | 37               | 0      | 13.432                   | 14.49                | PASS    |
|            |         | 37               | 18     | 13.418                   | 15.55                | PASS    |
|            |         | 37               | 38     | 13.421                   | 14.58                | PASS    |
|            |         | 75               | 0      | 13.419                   | 15.57                | PASS    |
|            | MCH     | 1                | 0      | 0.53717                  | 0.7881               | PASS    |
|            |         | 1                | 37     | 0.54266                  | 0.7792               | PASS    |
|            |         | 1                | 74     | 0.54288                  | 0.8230               | PASS    |
|            |         | 37               | 0      | 13.414                   | 14.20                | PASS    |
|            |         | 37               | 18     | 13.404                   | 14.26                | PASS    |
|            |         | 37               | 38     | 13.409                   | 14.33                | PASS    |
|            |         | 75               | 0      | 13.409                   | 14.36                | PASS    |
|            | HCH     | 1                | 0      | 0.55534                  | 0.8327               | PASS    |
|            |         | 1                | 37     | 0.56383                  | 0.8261               | PASS    |
|            |         | 1                | 74     | 0.53400                  | 0.7813               | PASS    |
|            |         | 37               | 0      | 13.424                   | 14.50                | PASS    |
|            |         | 37               | 18     | 13.428                   | 14.49                | PASS    |
|            |         | 37               | 38     | 13.434                   | 14.43                | PASS    |
|            |         | 75               | 0      | 13.420                   | 14.44                | PASS    |
| 16QAM      | LCH     | 1                | 0      | 0.53492                  | 0.7352               | PASS    |
|            |         | 1                | 37     | 0.56147                  | 0.8490               | PASS    |
|            |         | 1                | 74     | 0.54902                  | 0.8231               | PASS    |
|            |         | 37               | 0      | 13.439                   | 15.40                | PASS    |
|            |         | 37               | 18     | 13.416                   | 15.40                | PASS    |
|            |         | 37               | 38     | 13.421                   | 15.49                | PASS    |
|            |         | 75               | 0      | 13.411                   | 14.17                | PASS    |
|            | MCH     | 1                | 0      | 0.53952                  | 0.7934               | PASS    |
|            |         | 1                | 37     | 0.55010                  | 0.8183               | PASS    |
|            |         | 1                | 74     | 0.53520                  | 0.8095               | PASS    |
|            |         | 37               | 0      | 13.418                   | 14.32                | PASS    |
|            |         | 37               | 18     | 13.424                   | 14.38                | PASS    |
|            |         | 37               | 38     | 13.420                   | 14.22                | PASS    |
|            |         | 75               | 0      | 13.410                   | 14.22                | PASS    |
|            | HCH     | 1                | 0      | 0.53304                  | 0.7861               | PASS    |
|            |         | 1                | 37     | 0.54535                  | 0.8077               | PASS    |
|            |         | 1                | 74     | 0.53861                  | 0.7799               | PASS    |
|            |         | 37               | 0      | 13.430                   | 14.40                | PASS    |

|  |  |    |    |        |       |      |
|--|--|----|----|--------|-------|------|
|  |  | 37 | 18 | 13.429 | 14.39 | PASS |
|  |  | 37 | 38 | 13.426 | 14.44 | PASS |
|  |  | 75 | 0  | 13.419 | 14.28 | PASS |

## Channel Bandwidth: 20 MHz

| Channel Bandwidth: 20 MHz |         |                  |        |                          |                      |         |
|---------------------------|---------|------------------|--------|--------------------------|----------------------|---------|
| Modulation                | Channel | RB Configuration |        | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|                           |         | Size             | Offset |                          |                      |         |
| QPSK                      | LCH     | 1                | 0      | 0.61229                  | 0.9212               | PASS    |
|                           |         | 1                | 50     | 0.61516                  | 0.8925               | PASS    |
|                           |         | 1                | 99     | 0.62176                  | 0.9089               | PASS    |
|                           |         | 50               | 0      | 8.9821                   | 9.796                | PASS    |
|                           |         | 50               | 25     | 8.9849                   | 10.01                | PASS    |
|                           |         | 50               | 50     | 9.0133                   | 9.950                | PASS    |
|                           |         | 100              | 0      | 17.873                   | 18.79                | PASS    |
|                           | MCH     | 1                | 0      | 0.60197                  | 0.8943               | PASS    |
|                           |         | 1                | 50     | 0.60185                  | 0.8883               | PASS    |
|                           |         | 1                | 99     | 0.59776                  | 0.8734               | PASS    |
|                           |         | 50               | 0      | 8.9943                   | 9.702                | PASS    |
|                           |         | 50               | 25     | 8.9884                   | 9.702                | PASS    |
|                           |         | 50               | 50     | 8.9899                   | 9.714                | PASS    |
|                           |         | 100              | 0      | 17.872                   | 18.61                | PASS    |
|                           | HCH     | 1                | 0      | 0.60013                  | 0.8304               | PASS    |
|                           |         | 1                | 50     | 0.60225                  | 0.8687               | PASS    |
|                           |         | 1                | 99     | 0.61443                  | 0.8941               | PASS    |
|                           |         | 50               | 0      | 9.0176                   | 9.866                | PASS    |
|                           |         | 50               | 25     | 8.9928                   | 9.832                | PASS    |
|                           |         | 50               | 50     | 9.0087                   | 9.776                | PASS    |
|                           |         | 100              | 0      | 17.861                   | 18.85                | PASS    |
| 16QAM                     | LCH     | 1                | 0      | 0.65624                  | 0.9546               | PASS    |
|                           |         | 1                | 50     | 0.62124                  | 0.8904               | PASS    |
|                           |         | 1                | 99     | 0.63137                  | 0.9405               | PASS    |
|                           |         | 50               | 0      | 8.9883                   | 9.765                | PASS    |
|                           |         | 50               | 25     | 8.9925                   | 9.698                | PASS    |
|                           |         | 50               | 50     | 9.0099                   | 9.877                | PASS    |
|                           |         | 100              | 0      | 17.864                   | 18.67                | PASS    |
|                           | MCH     | 1                | 0      | 0.60179                  | 0.8815               | PASS    |
|                           |         | 1                | 50     | 0.62792                  | 0.9020               | PASS    |
|                           |         | 1                | 99     | 0.61742                  | 0.9539               | PASS    |

|  |     |     |    |         |        |      |
|--|-----|-----|----|---------|--------|------|
|  |     | 50  | 0  | 8.9979  | 9.661  | PASS |
|  |     | 50  | 25 | 9.0076  | 9.756  | PASS |
|  |     | 50  | 50 | 9.0021  | 9.661  | PASS |
|  |     | 100 | 0  | 17.863  | 18.65  | PASS |
|  | HCH | 1   | 0  | 0.60534 | 0.8879 | PASS |
|  |     | 1   | 50 | 0.60745 | 0.9279 | PASS |
|  |     | 1   | 99 | 0.63544 | 0.8817 | PASS |
|  |     | 50  | 0  | 9.0029  | 9.640  | PASS |
|  |     | 50  | 25 | 8.9962  | 9.719  | PASS |
|  |     | 50  | 50 | 8.9818  | 9.745  | PASS |
|  |     | 100 | 0  | 17.887  | 18.71  | PASS |

## Test Graphs

### Channel Bandwidth: 1.4 MHz

