



## Appendix A: Average Output Power Data

### Test Result

Channel Bandwidth: 1.4 MHz

| Channel Bandwidth: 1.4 MHz |         |                  |        |                     |         |
|----------------------------|---------|------------------|--------|---------------------|---------|
| Modulation                 | Channel | RB Configuration |        | Average Power [dBm] | Verdict |
|                            |         | Size             | Offset |                     |         |
| QPSK                       | LCH     | 1                | 0      | 21.57               | PASS    |
|                            |         | 1                | 2      | 21.65               | PASS    |
|                            |         | 1                | 5      | 21.55               | PASS    |
|                            |         | 3                | 0      | 21.60               | PASS    |
|                            |         | 3                | 1      | 21.66               | PASS    |
|                            |         | 3                | 3      | 21.61               | PASS    |
|                            |         | 6                | 0      | 20.61               | PASS    |
|                            | MCH     | 1                | 0      | 21.79               | PASS    |
|                            |         | 1                | 2      | 21.85               | PASS    |
|                            |         | 1                | 5      | 21.80               | PASS    |
|                            |         | 3                | 0      | 21.84               | PASS    |
|                            |         | 3                | 1      | 21.86               | PASS    |
|                            |         | 3                | 3      | 21.82               | PASS    |
|                            |         | 6                | 0      | 20.85               | PASS    |
|                            | HCH     | 1                | 0      | 21.69               | PASS    |
|                            |         | 1                | 2      | 21.76               | PASS    |
|                            |         | 1                | 5      | 21.70               | PASS    |
|                            |         | 3                | 0      | 21.76               | PASS    |
|                            |         | 3                | 1      | 21.78               | PASS    |
|                            |         | 3                | 3      | 21.75               | PASS    |
|                            |         | 6                | 0      | 20.73               | PASS    |
| 16QAM                      | LCH     | 1                | 0      | 20.78               | PASS    |
|                            |         | 1                | 2      | 20.85               | PASS    |
|                            |         | 1                | 5      | 20.76               | PASS    |
|                            |         | 3                | 0      | 20.72               | PASS    |
|                            |         | 3                | 1      | 20.77               | PASS    |
|                            |         | 3                | 3      | 20.70               | PASS    |
|                            |         | 6                | 0      | 19.70               | PASS    |
|                            | MCH     | 1                | 0      | 21.13               | PASS    |
|                            |         | 1                | 2      | 21.16               | PASS    |
|                            |         | 1                | 5      | 21.08               | PASS    |
|                            |         | 3                | 0      | 21.00               | PASS    |
|                            |         | 3                | 1      | 21.05               | PASS    |
|                            |         | 3                | 3      | 21.00               | PASS    |

|  |     |   |   |       |      |
|--|-----|---|---|-------|------|
|  | HCH | 6 | 0 | 19.96 | PASS |
|  |     | 1 | 0 | 20.89 | PASS |
|  |     | 1 | 2 | 21.02 | PASS |
|  |     | 1 | 5 | 20.93 | PASS |
|  |     | 3 | 0 | 20.84 | PASS |
|  |     | 3 | 1 | 20.81 | PASS |
|  |     | 3 | 3 | 20.85 | PASS |
|  |     | 6 | 0 | 19.81 | PASS |

### Channel Bandwidth: 3 MHz

| Channel Bandwidth: 3 MHz |         |                  |        |                     |         |
|--------------------------|---------|------------------|--------|---------------------|---------|
| Modulation               | Channel | RB Configuration |        | Average Power [dBm] | Verdict |
|                          |         | Size             | Offset |                     |         |
| QPSK                     | LCH     | 1                | 0      | 21.60               | PASS    |
|                          |         | 1                | 7      | 21.69               | PASS    |
|                          |         | 1                | 14     | 21.67               | PASS    |
|                          |         | 8                | 0      | 20.64               | PASS    |
|                          |         | 8                | 3      | 20.65               | PASS    |
|                          |         | 8                | 7      | 20.72               | PASS    |
|                          |         | 15               | 0      | 20.78               | PASS    |
|                          | MCH     | 1                | 0      | 21.84               | PASS    |
|                          |         | 1                | 7      | 21.92               | PASS    |
|                          |         | 1                | 14     | 21.82               | PASS    |
|                          |         | 8                | 0      | 20.88               | PASS    |
|                          |         | 8                | 3      | 20.88               | PASS    |
|                          |         | 8                | 7      | 20.85               | PASS    |
|                          |         | 15               | 0      | 20.88               | PASS    |
|                          | HCH     | 1                | 0      | 21.68               | PASS    |
|                          |         | 1                | 7      | 21.76               | PASS    |
|                          |         | 1                | 14     | 21.64               | PASS    |
|                          |         | 8                | 0      | 20.73               | PASS    |
|                          |         | 8                | 3      | 20.74               | PASS    |
|                          |         | 8                | 7      | 20.69               | PASS    |
|                          |         | 15               | 0      | 20.76               | PASS    |
| 16QAM                    | LCH     | 1                | 0      | 20.82               | PASS    |
|                          |         | 1                | 7      | 20.87               | PASS    |
|                          |         | 1                | 14     | 20.85               | PASS    |
|                          |         | 8                | 0      | 19.73               | PASS    |
|                          |         | 8                | 3      | 19.73               | PASS    |
|                          |         | 8                | 7      | 19.79               | PASS    |
|                          |         | 15               | 0      | 19.80               | PASS    |

|  |     |    |    |       |      |
|--|-----|----|----|-------|------|
|  | MCH | 1  | 0  | 21.17 | PASS |
|  |     | 1  | 7  | 21.23 | PASS |
|  |     | 1  | 14 | 21.12 | PASS |
|  |     | 8  | 0  | 20.00 | PASS |
|  |     | 8  | 3  | 20.01 | PASS |
|  |     | 8  | 7  | 20.00 | PASS |
|  |     | 15 | 0  | 19.92 | PASS |
|  | HCH | 1  | 0  | 20.91 | PASS |
|  |     | 1  | 7  | 20.98 | PASS |
|  |     | 1  | 14 | 20.87 | PASS |
|  |     | 8  | 0  | 19.78 | PASS |
|  |     | 8  | 3  | 19.80 | PASS |
|  |     | 8  | 7  | 19.79 | PASS |
|  |     | 15 | 0  | 19.76 | PASS |

### Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz |         |                  |        |                     |         |
|--------------------------|---------|------------------|--------|---------------------|---------|
| Modulation               | Channel | RB Configuration |        | Average Power [dBm] | Verdict |
|                          |         | Size             | Offset |                     |         |
| QPSK                     | LCH     | 1                | 0      | 21.58               | PASS    |
|                          |         | 1                | 12     | 21.66               | PASS    |
|                          |         | 1                | 24     | 21.64               | PASS    |
|                          |         | 12               | 0      | 20.73               | PASS    |
|                          |         | 12               | 6      | 20.78               | PASS    |
|                          |         | 12               | 13     | 20.71               | PASS    |
|                          |         | 25               | 0      | 20.77               | PASS    |
|                          | MCH     | 1                | 0      | 21.74               | PASS    |
|                          |         | 1                | 12     | 21.83               | PASS    |
|                          |         | 1                | 24     | 21.82               | PASS    |
|                          |         | 12               | 0      | 20.88               | PASS    |
|                          |         | 12               | 6      | 20.91               | PASS    |
|                          |         | 12               | 13     | 20.84               | PASS    |
|                          |         | 25               | 0      | 20.87               | PASS    |
|                          | HCH     | 1                | 0      | 21.71               | PASS    |
|                          |         | 1                | 12     | 21.67               | PASS    |
|                          |         | 1                | 24     | 21.63               | PASS    |
|                          |         | 12               | 0      | 20.74               | PASS    |
|                          |         | 12               | 6      | 20.76               | PASS    |
|                          |         | 12               | 13     | 20.72               | PASS    |
|                          |         | 25               | 0      | 20.75               | PASS    |
| 16QAM                    | LCH     | 1                | 0      | 20.83               | PASS    |
|                          |         | 1                | 12     | 20.92               | PASS    |

|  |     |    |    |       |      |
|--|-----|----|----|-------|------|
|  |     | 1  | 24 | 20.93 | PASS |
|  |     | 12 | 0  | 19.79 | PASS |
|  |     | 12 | 6  | 19.83 | PASS |
|  |     | 12 | 13 | 19.80 | PASS |
|  |     | 25 | 0  | 19.78 | PASS |
|  | MCH | 1  | 0  | 21.08 | PASS |
|  |     | 1  | 12 | 21.15 | PASS |
|  |     | 1  | 24 | 21.12 | PASS |
|  |     | 12 | 0  | 19.99 | PASS |
|  |     | 12 | 6  | 20.03 | PASS |
|  |     | 12 | 13 | 19.96 | PASS |
|  |     | 25 | 0  | 19.97 | PASS |
|  | HCH | 1  | 0  | 20.89 | PASS |
|  |     | 1  | 12 | 20.89 | PASS |
|  |     | 1  | 24 | 20.85 | PASS |
|  |     | 12 | 0  | 19.81 | PASS |
|  |     | 12 | 6  | 19.82 | PASS |
|  |     | 12 | 13 | 19.77 | PASS |
|  |     | 25 | 0  | 19.78 | PASS |

### Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz |         |                  |        |                     |         |
|---------------------------|---------|------------------|--------|---------------------|---------|
| Modulation                | Channel | RB Configuration |        | Average Power [dBm] | Verdict |
|                           |         | Size             | Offset |                     |         |
| QPSK                      | LCH     | 1                | 0      | 21.59               | PASS    |
|                           |         | 1                | 24     | 21.67               | PASS    |
|                           |         | 1                | 49     | 21.72               | PASS    |
|                           |         | 25               | 0      | 20.78               | PASS    |
|                           |         | 25               | 12     | 20.89               | PASS    |
|                           |         | 25               | 25     | 20.82               | PASS    |
|                           |         | 50               | 0      | 20.83               | PASS    |
|                           | MCH     | 1                | 0      | 21.76               | PASS    |
|                           |         | 1                | 24     | 21.83               | PASS    |
|                           |         | 1                | 49     | 21.76               | PASS    |
|                           |         | 25               | 0      | 20.90               | PASS    |
|                           |         | 25               | 12     | 20.91               | PASS    |
|                           |         | 25               | 25     | 20.85               | PASS    |
|                           |         | 50               | 0      | 20.85               | PASS    |
|                           | HCH     | 1                | 0      | 21.82               | PASS    |
|                           |         | 1                | 24     | 21.68               | PASS    |
|                           |         | 1                | 49     | 21.59               | PASS    |
|                           |         | 25               | 0      | 20.87               | PASS    |



|       |     |    |    |       |      |
|-------|-----|----|----|-------|------|
|       |     | 25 | 12 | 20.88 | PASS |
|       |     | 25 | 25 | 20.73 | PASS |
|       |     | 50 | 0  | 20.84 | PASS |
| 16QAM | LCH | 1  | 0  | 20.81 | PASS |
|       |     | 1  | 24 | 20.98 | PASS |
|       |     | 1  | 49 | 21.08 | PASS |
|       |     | 25 | 0  | 19.82 | PASS |
|       |     | 25 | 12 | 19.95 | PASS |
|       |     | 25 | 25 | 19.89 | PASS |
|       |     | 50 | 0  | 19.87 | PASS |
|       | MCH | 1  | 0  | 21.11 | PASS |
|       |     | 1  | 24 | 21.19 | PASS |
|       |     | 1  | 49 | 21.08 | PASS |
|       |     | 25 | 0  | 19.97 | PASS |
|       |     | 25 | 12 | 19.95 | PASS |
|       |     | 25 | 25 | 19.89 | PASS |
|       |     | 50 | 0  | 19.91 | PASS |
|       | HCH | 1  | 0  | 21.11 | PASS |
|       |     | 1  | 24 | 20.90 | PASS |
|       |     | 1  | 49 | 20.82 | PASS |
|       |     | 25 | 0  | 19.95 | PASS |
|       |     | 25 | 12 | 19.91 | PASS |
|       |     | 25 | 25 | 19.83 | PASS |
|       |     | 50 | 0  | 19.88 | PASS |

## Appendix B: Peak-to-Average Ratio(CCDF)

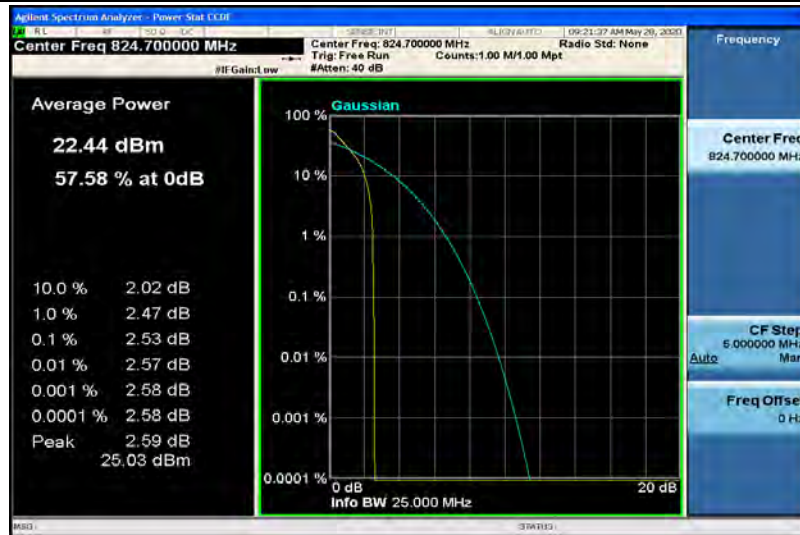
### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | 2.53       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | 3.52       | 13        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | 2.37       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | 4.01       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | 5.09       | 13        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | 3.72       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | 2.34       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | 3.30       | 13        | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | 2.27       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 1RB#0            | 3.64       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 1RB#0            | 4.86       | 13        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 1RB#0            | 3.68       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 1RB#0            | 2.34       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 1RB#0            | 3.34       | 13        | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 1RB#0            | 2.33       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 1RB#0            | 3.68       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 1RB#0            | 4.68       | 13        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 1RB#0            | 3.62       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 1RB#0            | 2.25       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 1RB#0            | 3.08       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 1RB#0            | 2.95       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 1RB#0            | 3.57       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 1RB#0            | 4.64       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 1RB#0            | 4.47       | 13        | PASS    |



## Test Graphs

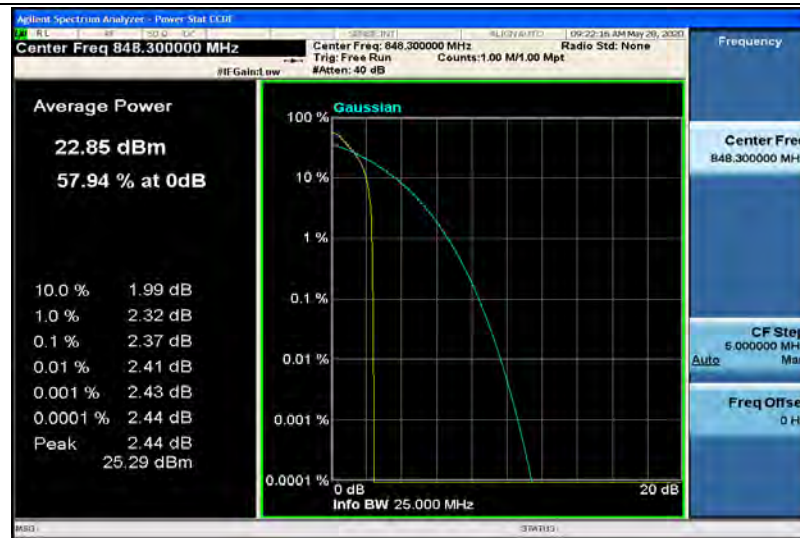
Band5-1.4MHz-QPSK-20407-1RB#0



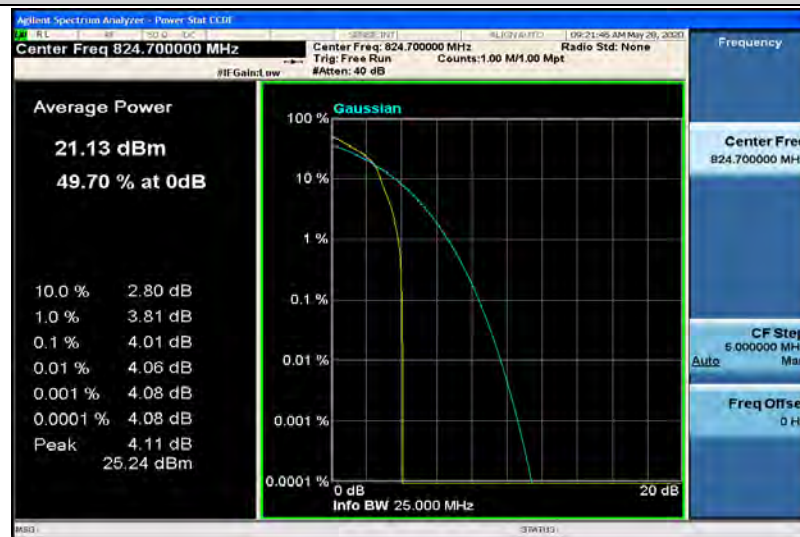
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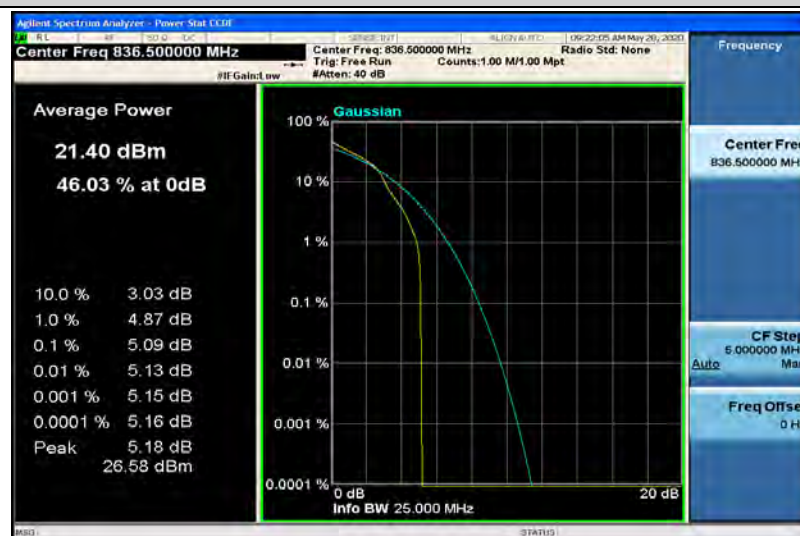
Band5-1.4MHz-QPSK-20643-1RB#0



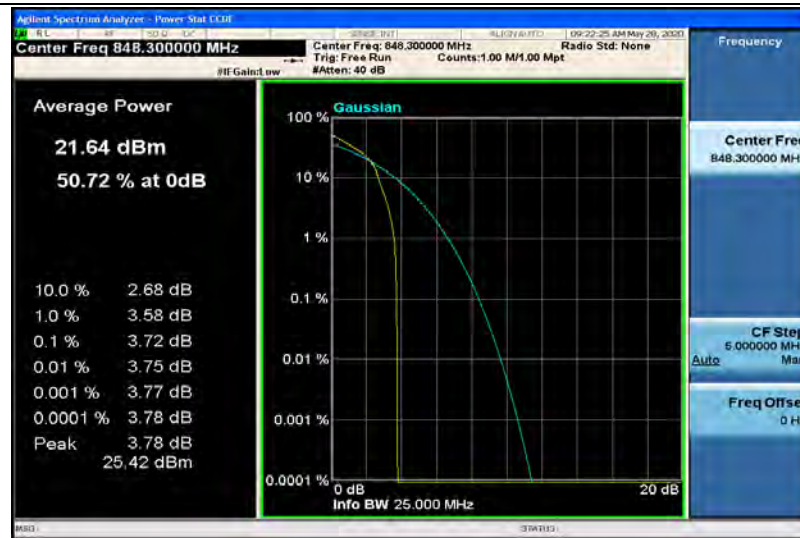
Band5-1.4MHz-16QAM-20407-1RB#0



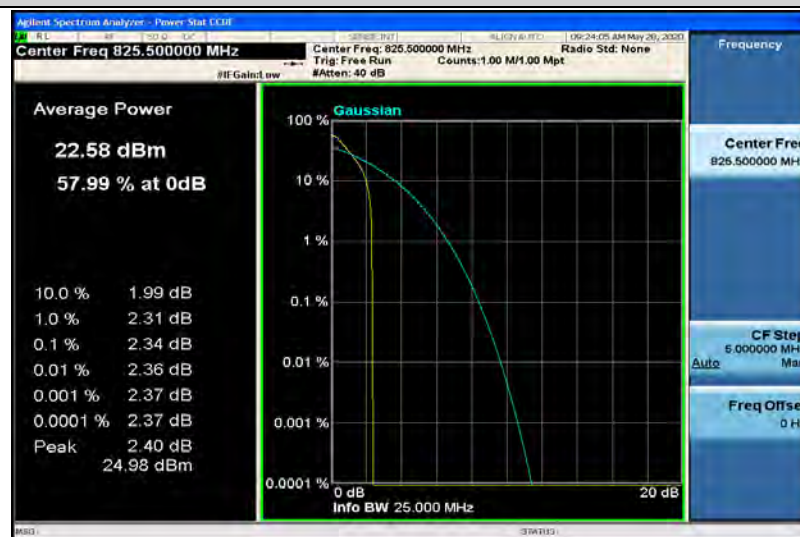
Band5-1.4MHz-16QAM-20525-1RB#0



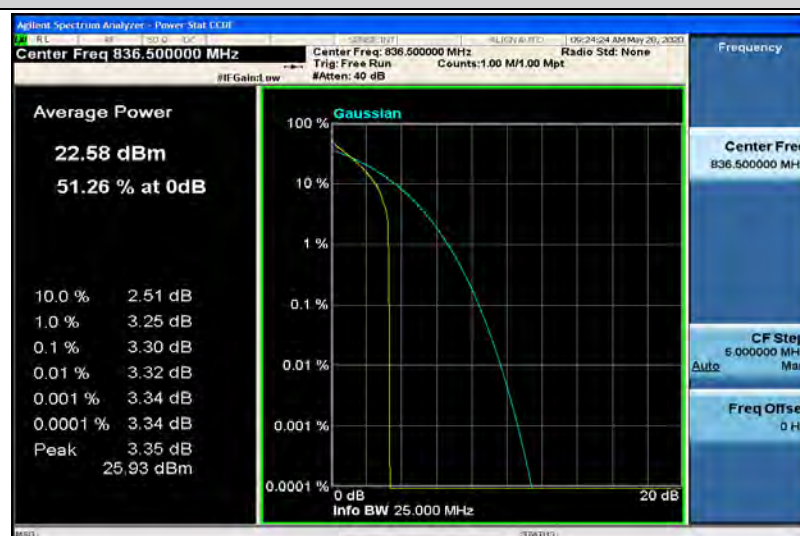
Band5-1.4MHz-16QAM-20643-1RB#0



Band5-3MHz-QPSK-20415-1RB#0



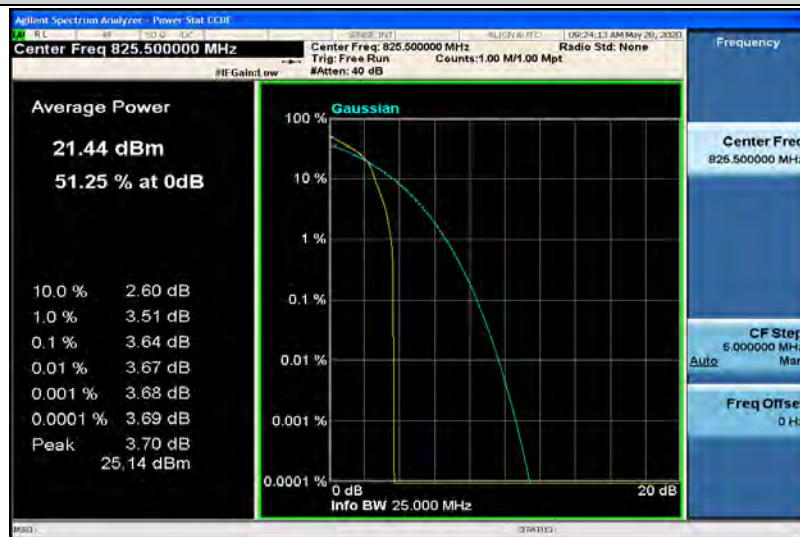
Band5-3MHz-QPSK-20525-1RB#0



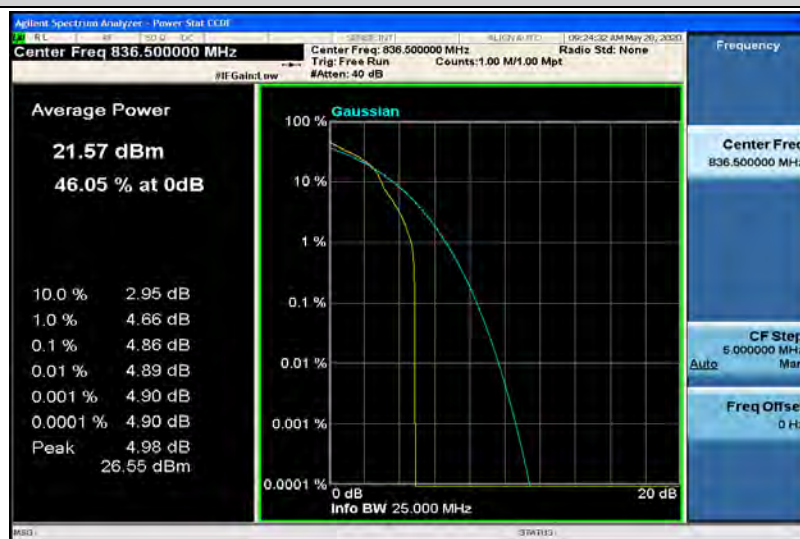
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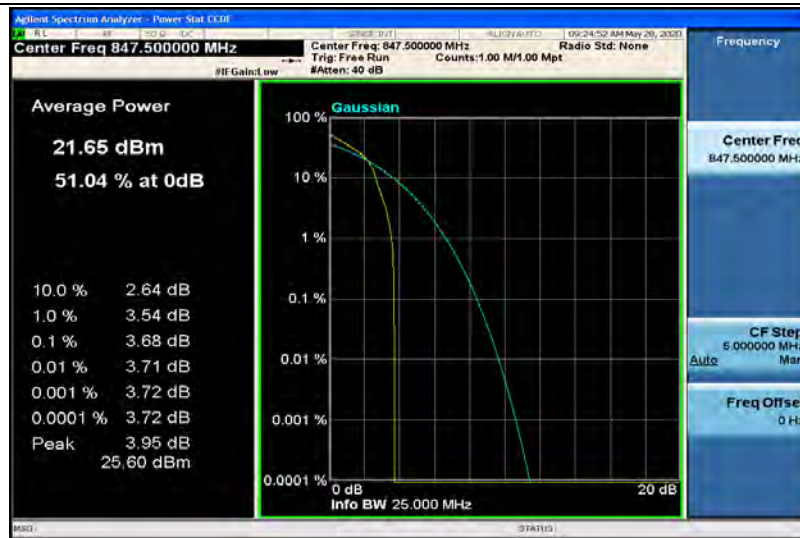
Band5-3MHz-16QAM-20415-1RB#0



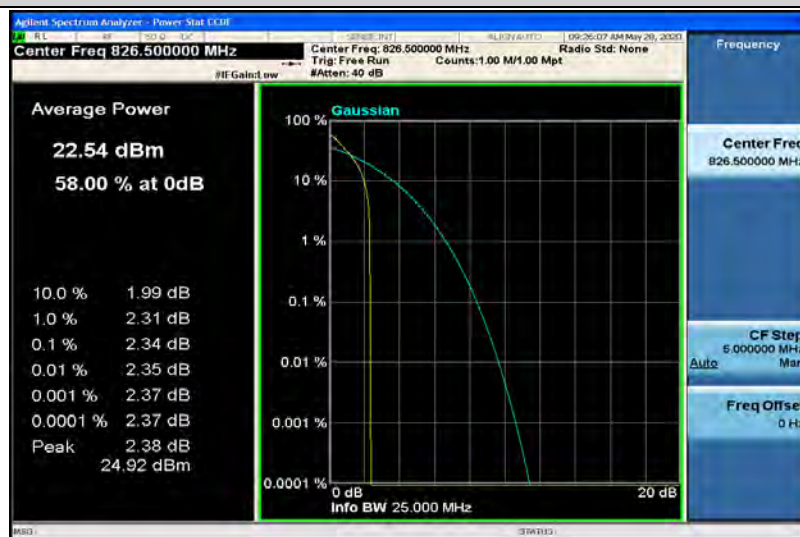
Band5-3MHz-16QAM-20525-1RB#0



Band5-3MHz-16QAM-20635-1RB#0



Band5-5MHz-QPSK-20425-1RB#0



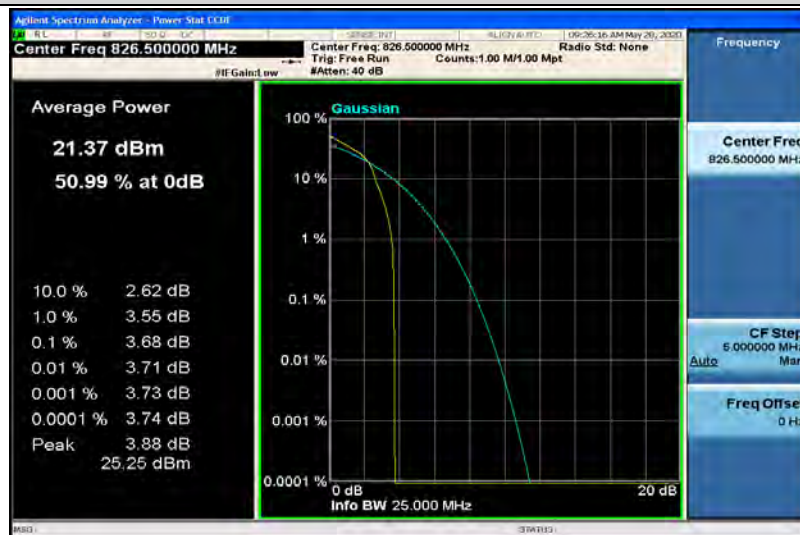
Band5-5MHz-QPSK-20525-1RB#0



Band5-5MHz-QPSK-20625-1RB#0



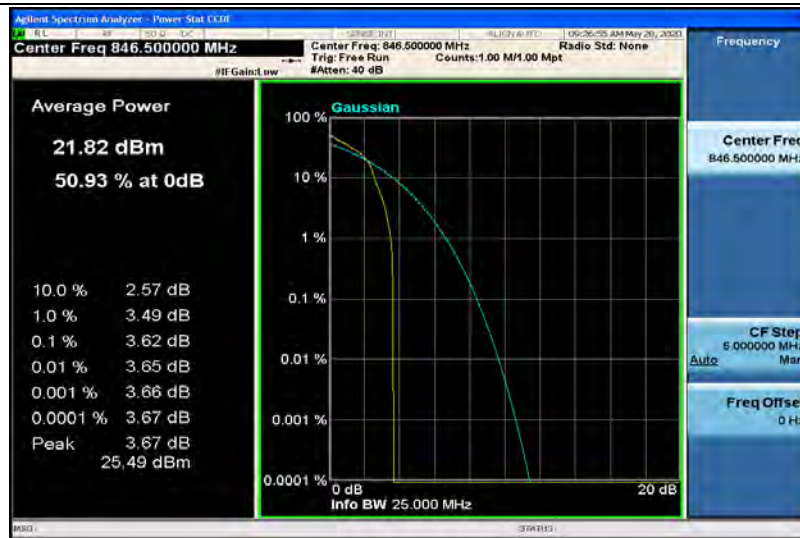
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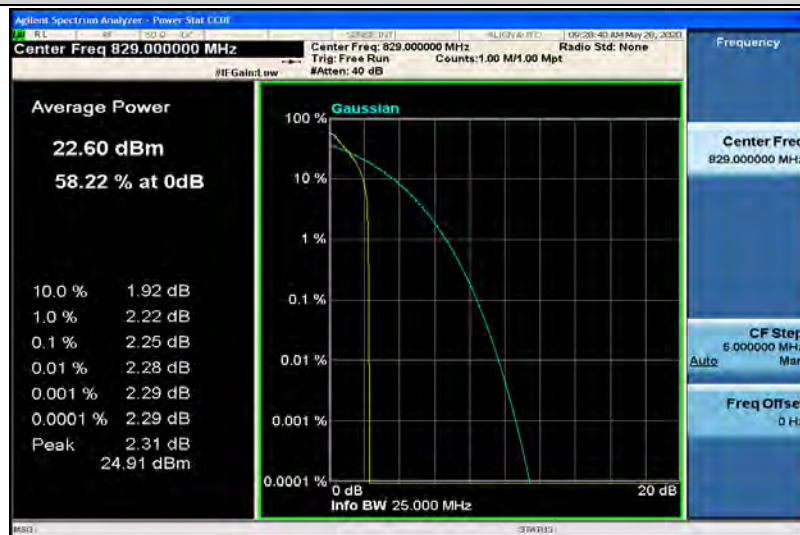
Band5-5MHz-16QAM-20525-1RB#0



Band5-5MHz-16QAM-20625-1RB#0



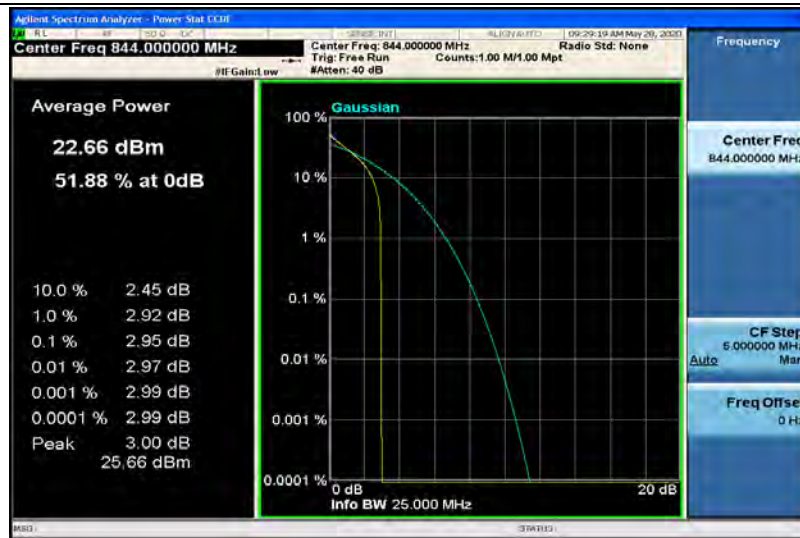
Band5-10MHz-QPSK-20450-1RB#0



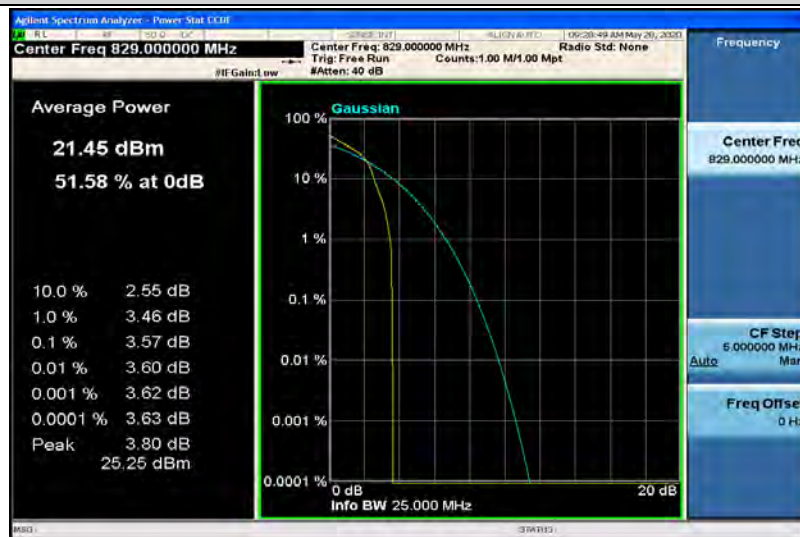
Band5-10MHz-QPSK-20525-1RB#0



Band5-10MHz-QPSK-20600-1RB#0



Band5-10MHz-16QAM-20450-1RB#0



Band5-10MHz-16QAM-20525-1RB#0



Band5-10MHz-16QAM-20600-1RB#0



## Appendix C: 26dB Bandwidth and Occupied Bandwidth

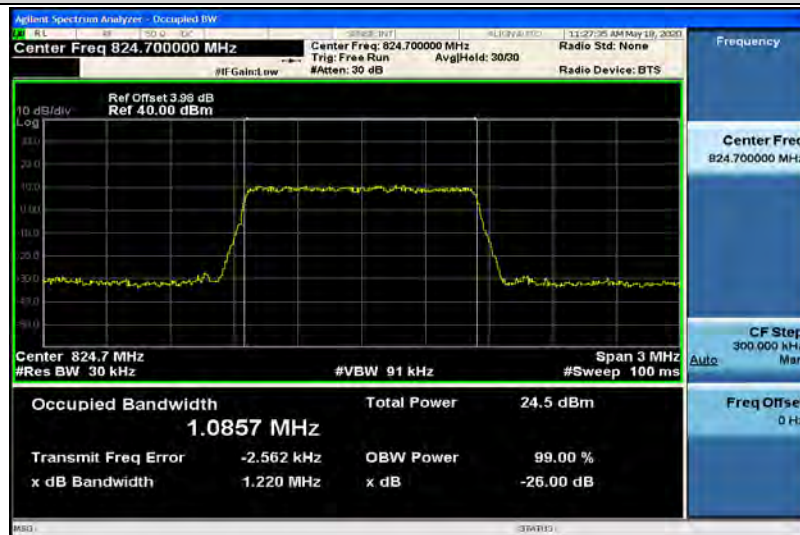
### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 1.0857                   | 1.220                | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 1.0884                   | 1.220                | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 1.0877                   | 1.217                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 1.0878                   | 1.219                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 1.0876                   | 1.216                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 1.0878                   | 1.215                | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 2.6994                   | 2.919                | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 2.7004                   | 2.913                | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 2.7043                   | 2.941                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 2.6930                   | 2.906                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 2.6952                   | 2.926                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 2.6945                   | 2.924                | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 4.4931                   | 4.831                | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.4995                   | 4.854                | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 4.5049                   | 4.836                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 4.5044                   | 4.862                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 4.5096                   | 4.878                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | 4.5184                   | 4.860                | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 8.9672                   | 9.489                | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 8.9832                   | 9.548                | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 8.9414                   | 9.477                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | 8.9800                   | 9.531                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 9.0075                   | 9.524                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0           | 8.9462                   | 9.501                | PASS    |

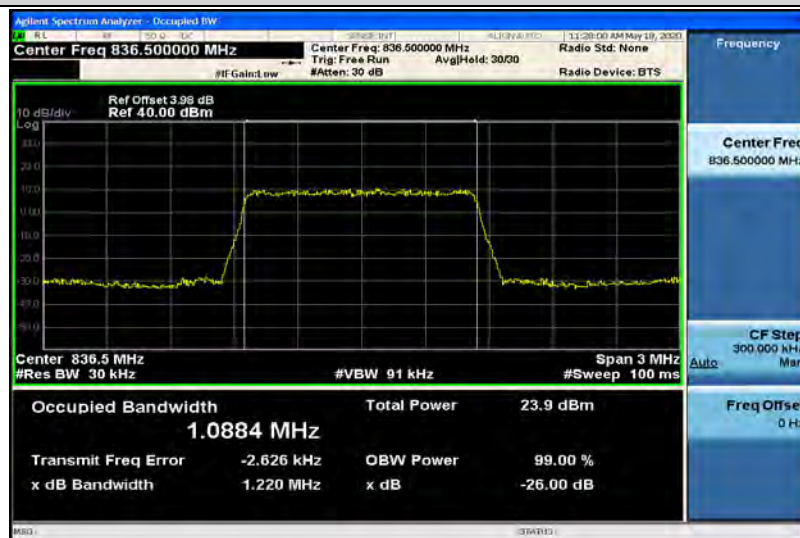


## Test Graphs

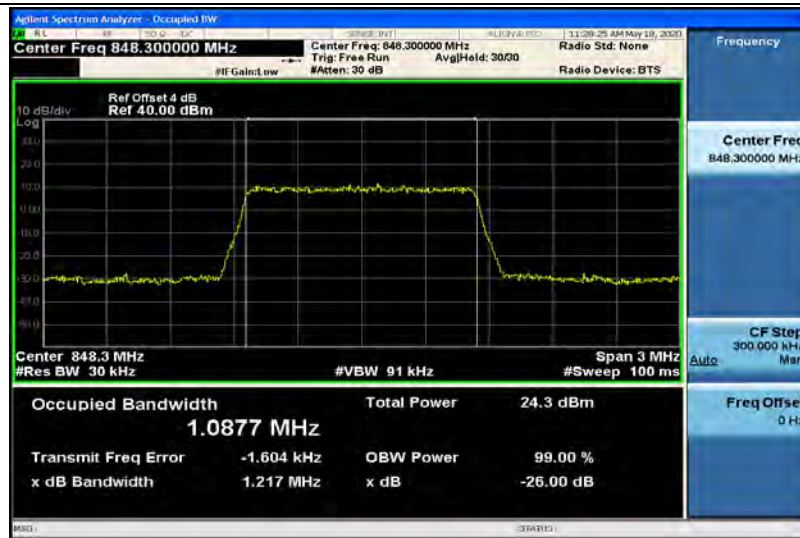
Band5-1.4MHz-QPSK-20407-6RB#0-1.0857



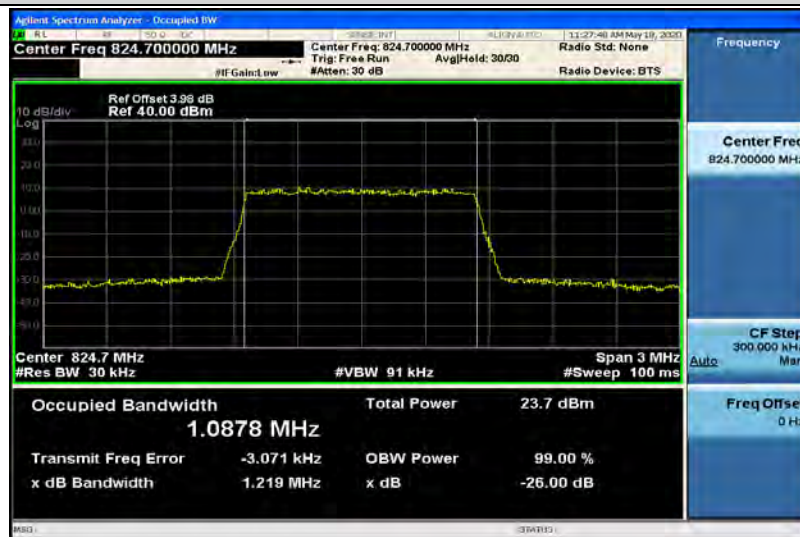
Band5-1.4MHz-QPSK-20525-6RB#0-1.0884



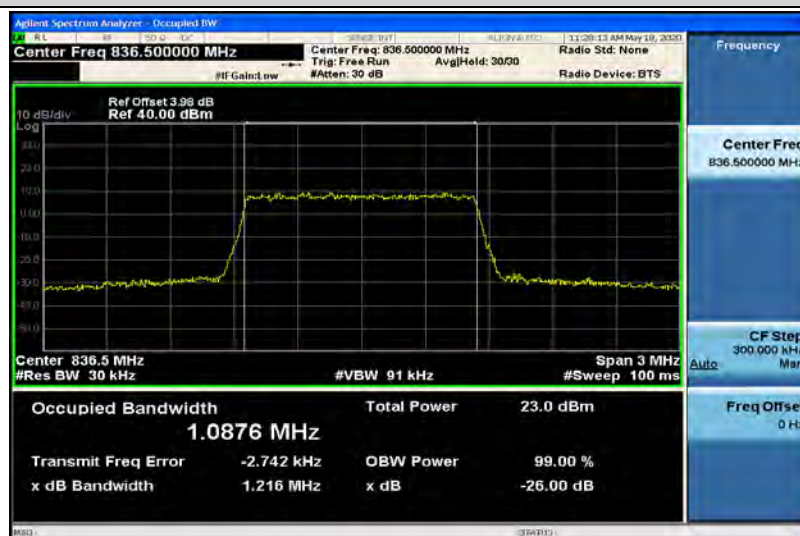
Band5-1.4MHz-QPSK-20643-6RB#0-1.0877



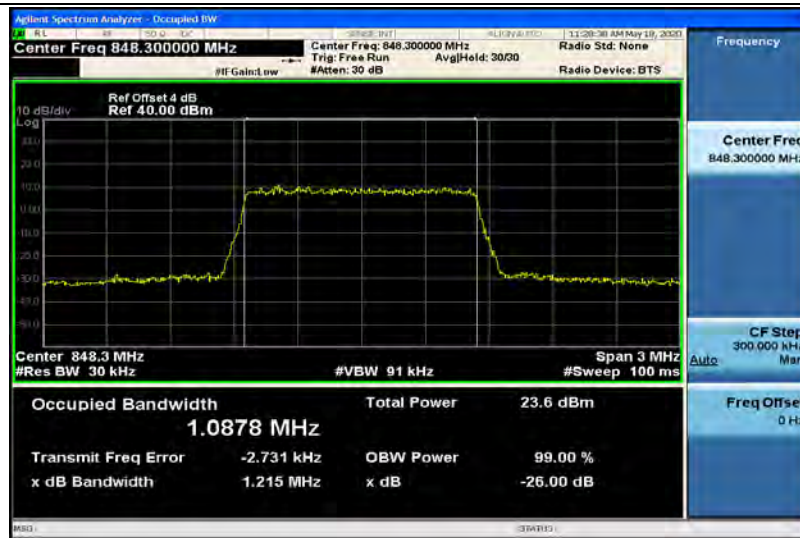
Band5-1.4MHz-16QAM-20407-6RB#0-1.0878



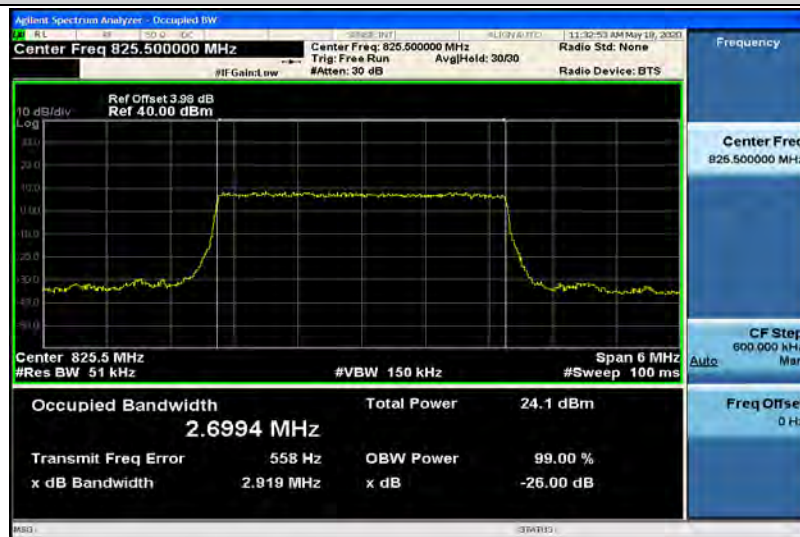
Band5-1.4MHz-16QAM-20525-6RB#0-1.0876



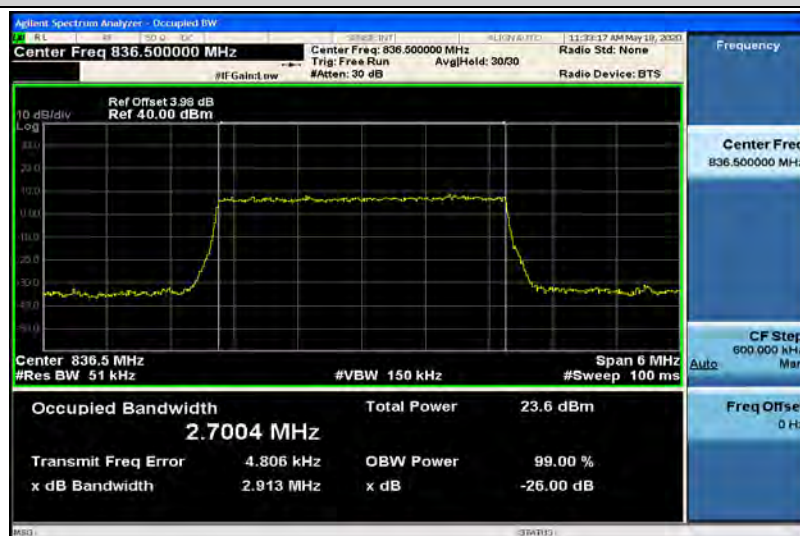
Band5-1.4MHz-16QAM-20643-6RB#0-1.0878



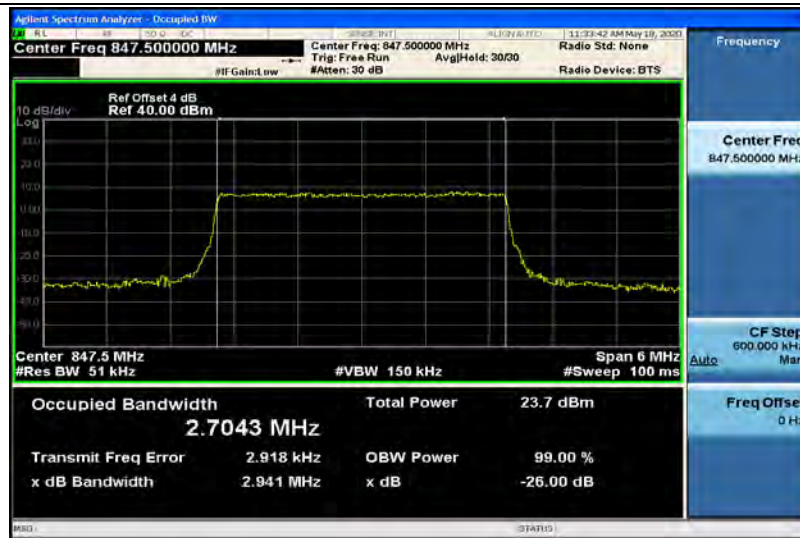
Band5-3MHz-QPSK-20415-15RB#0-2.6994



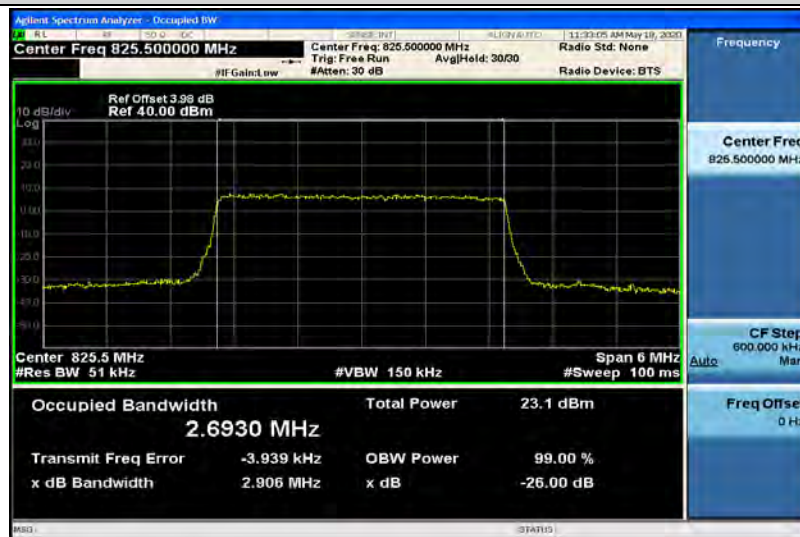
Band5-3MHz-QPSK-20525-15RB#0-2.7004



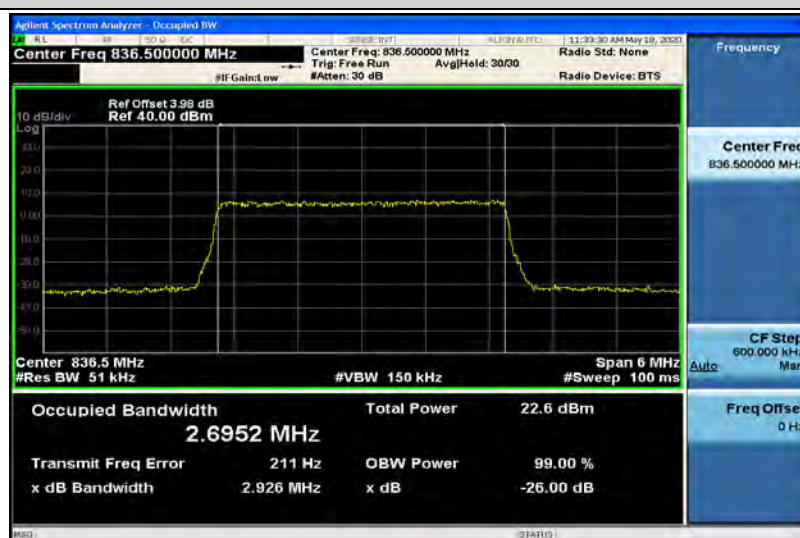
Band5-3MHz-QPSK-20635-15RB#0-2.7043



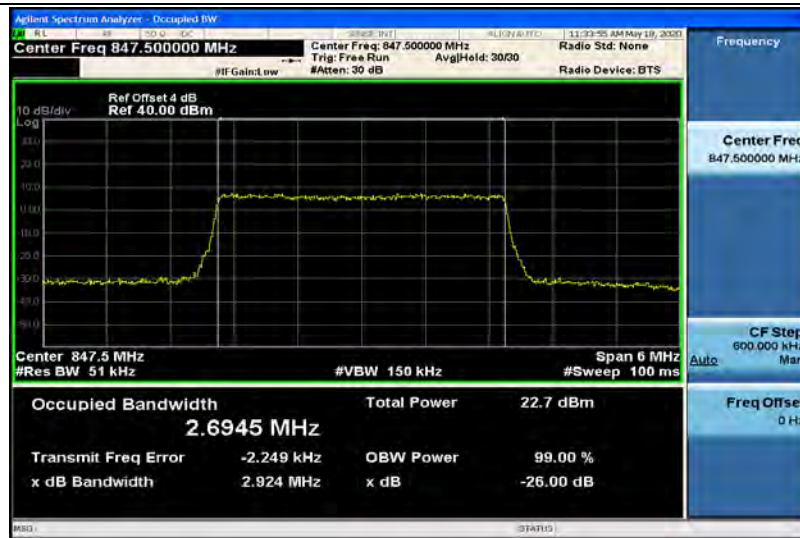
Band5-3MHz-16QAM-20415-15RB#0-2.6930



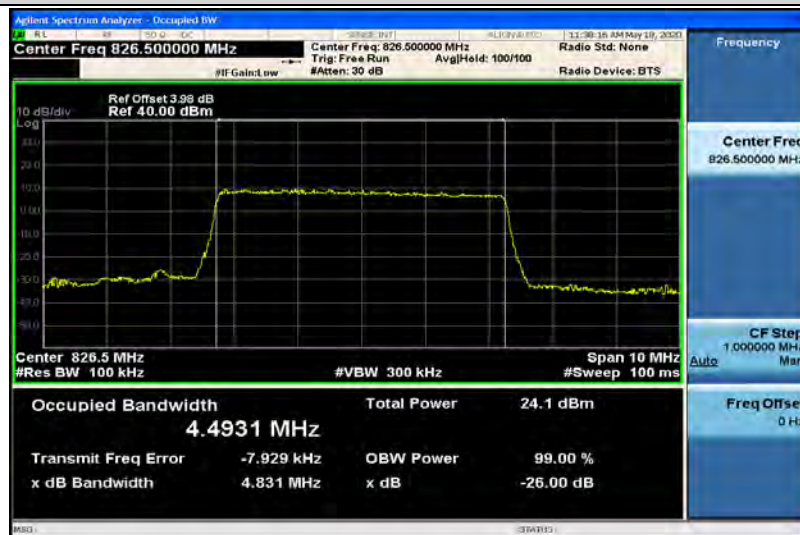
Band5-3MHz-16QAM-20525-15RB#0-2.6952



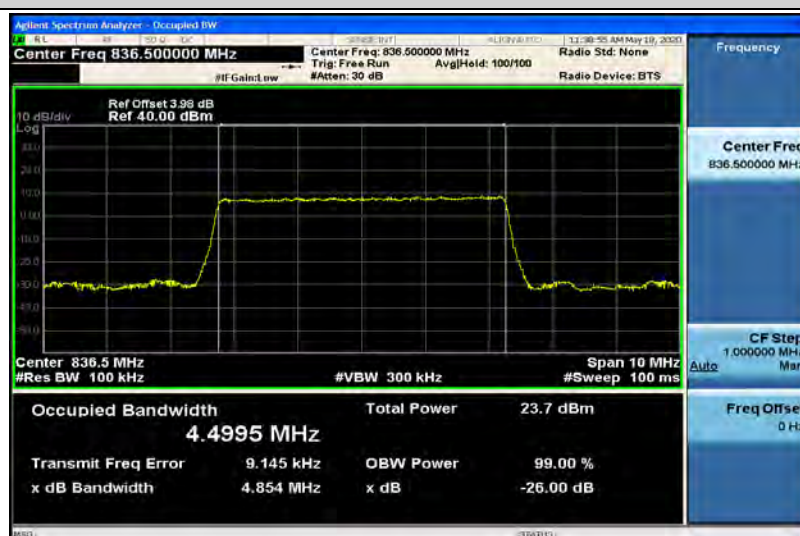
Band5-3MHz-16QAM-20635-15RB#0-2.6945



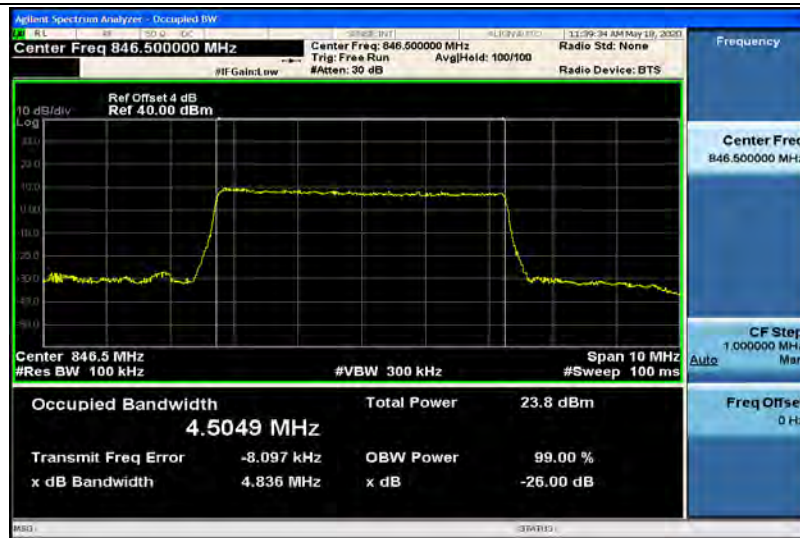
Band5-5MHz-QPSK-20425-25RB#0-4.4931



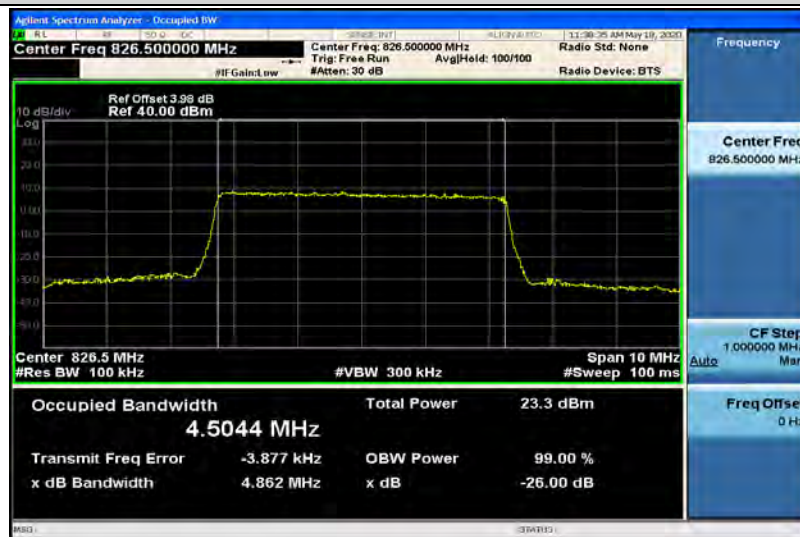
Band5-5MHz-QPSK-20525-25RB#0-4.4995



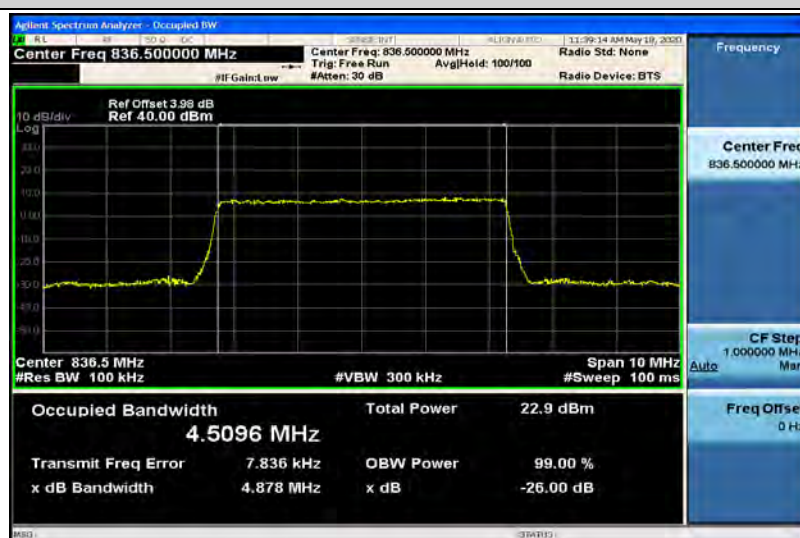
Band5-5MHz-QPSK-20625-25RB#0-4.5049



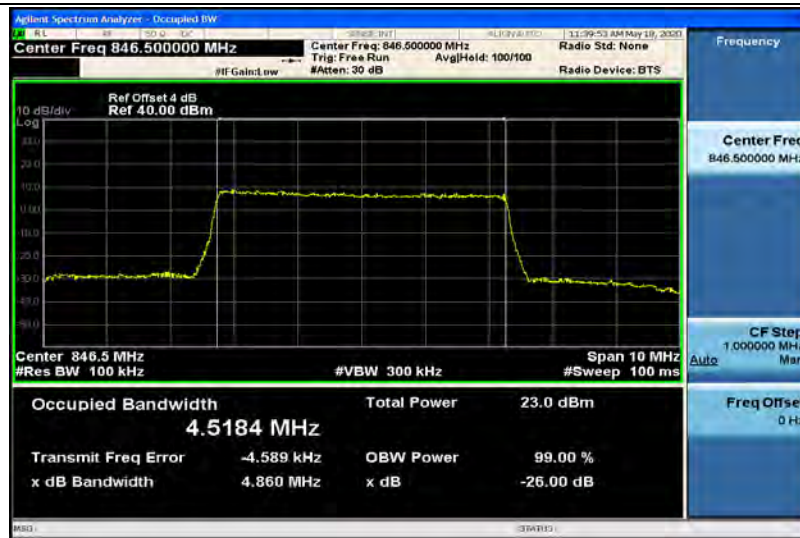
Band5-5MHz-16QAM-20425-25RB#0-4.5044



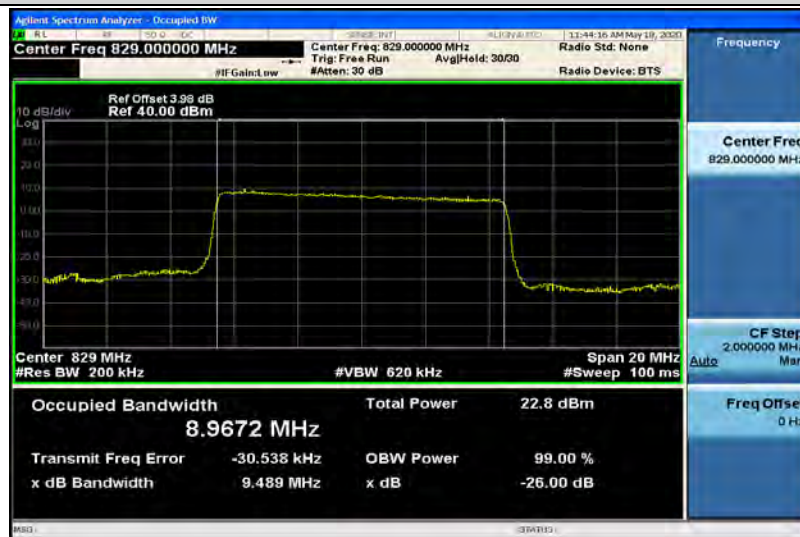
Band5-5MHz-16QAM-20525-25RB#0-4.5096



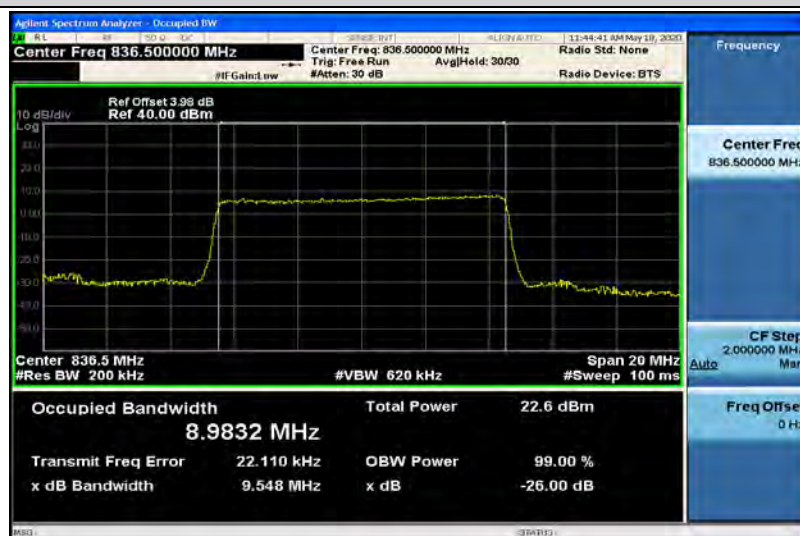
Band5-5MHz-16QAM-20625-25RB#0-4.5184



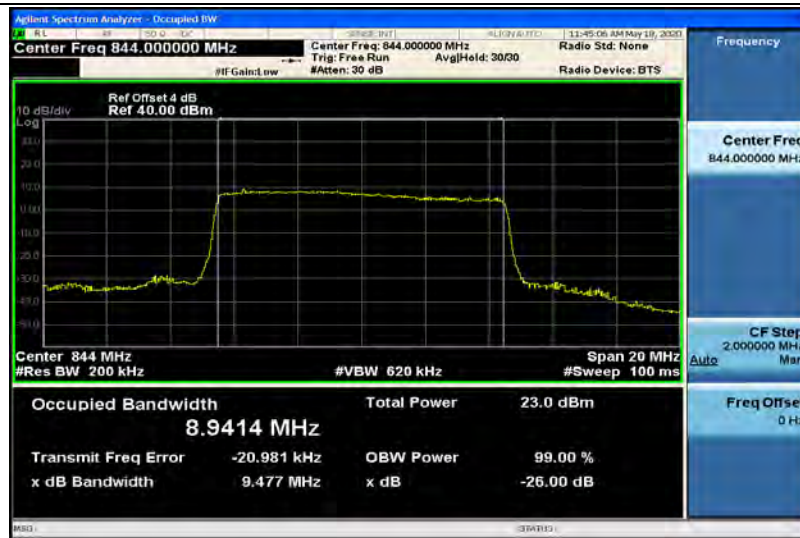
Band5-10MHz-QPSK-20450-50RB#0-8.9672



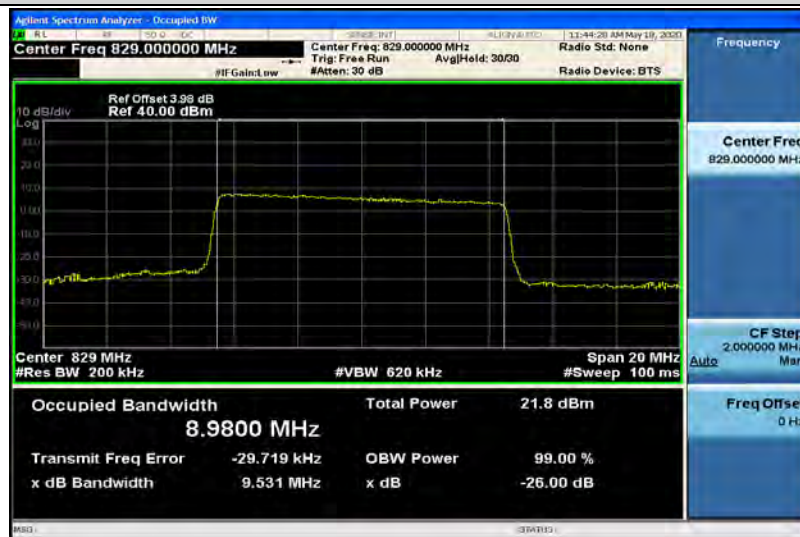
Band5-10MHz-QPSK-20525-50RB#0-8.9832



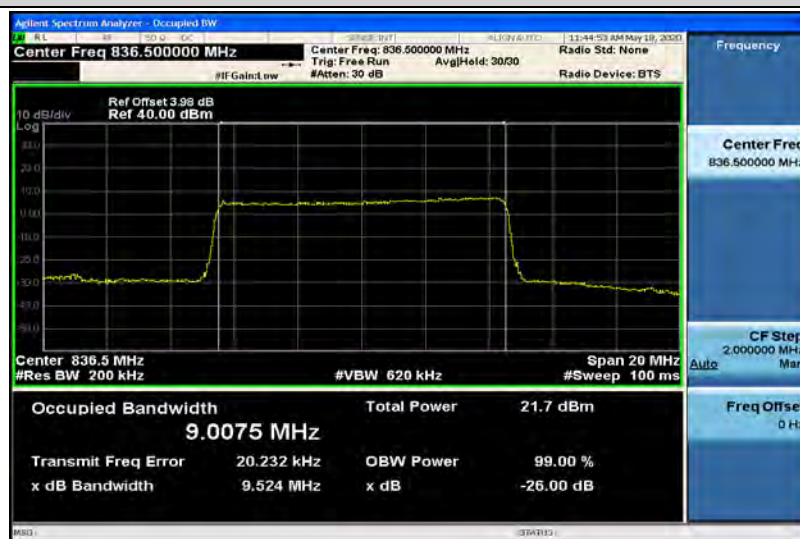
Band5-10MHz-QPSK-20600-50RB#0-8.9414



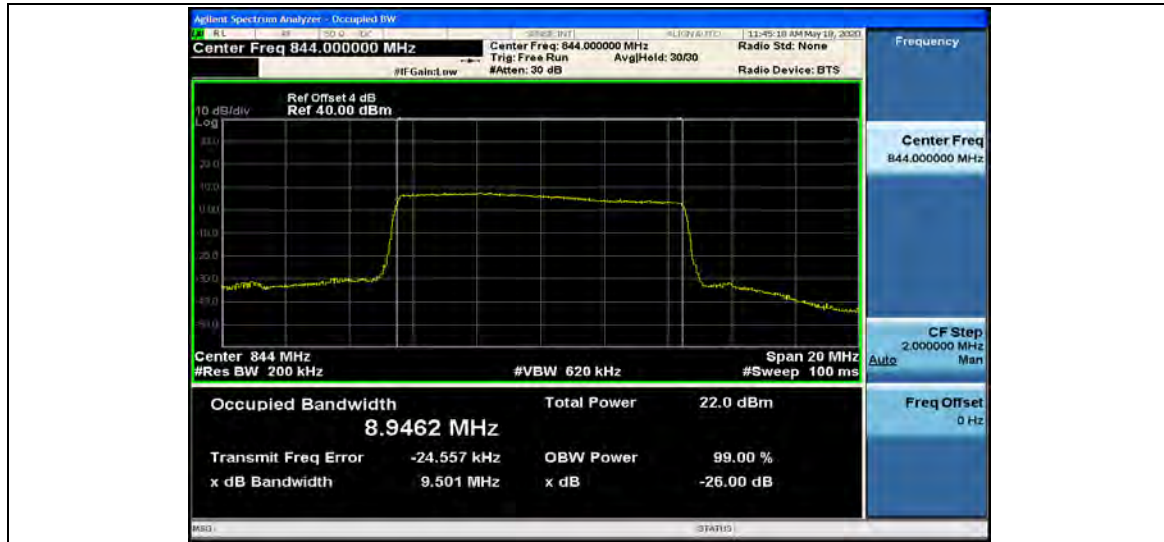
Band5-10MHz-16QAM-20450-50RB#0-8.9800



Band5-10MHz-16QAM-20525-50RB#0-9.0075



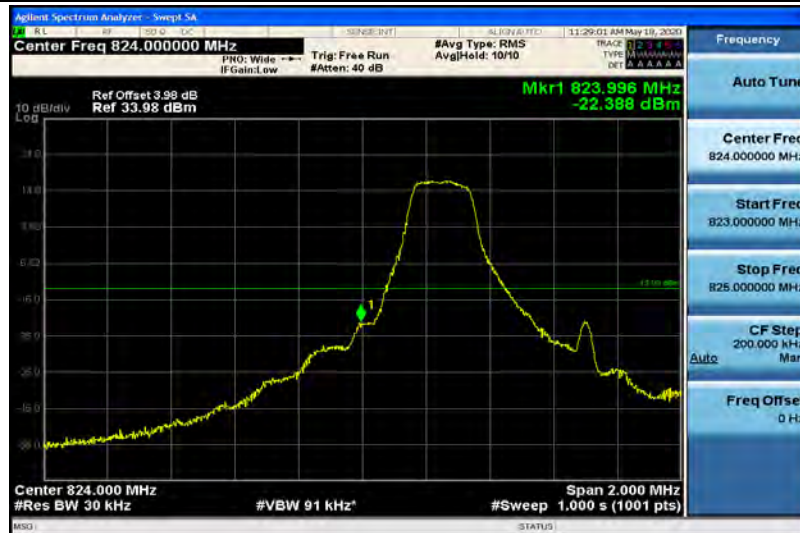
Band5-10MHz-16QAM-20600-50RB#0-8.9462



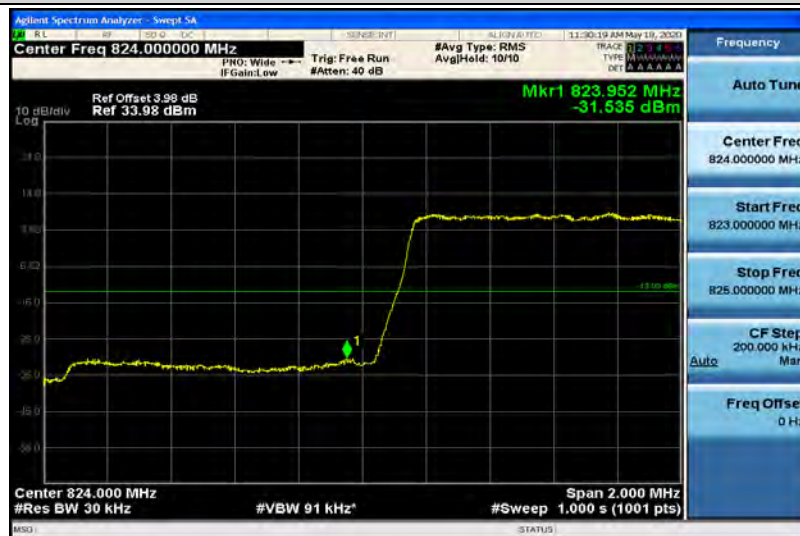
## Appendix D: Band Edge

### Test Graphs

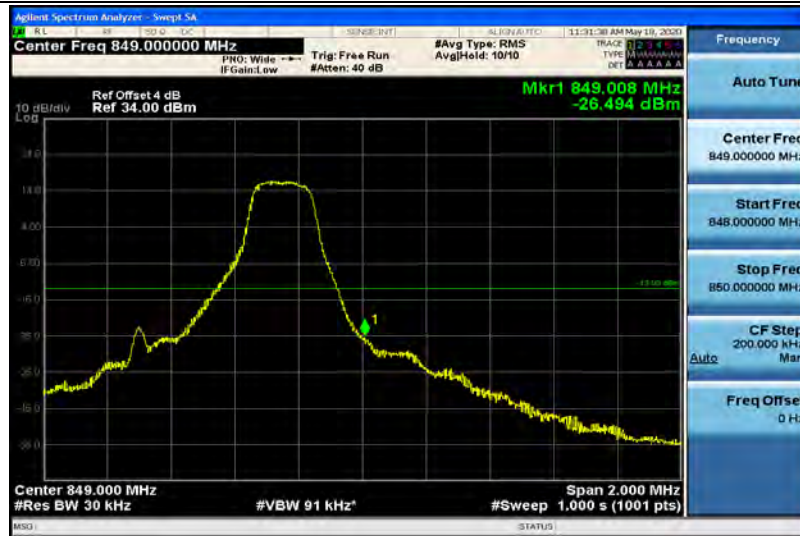
Band5-1.4MHz-QPSK-20407-1RB#0



Band5-1.4MHz-QPSK-20407-6RB#0



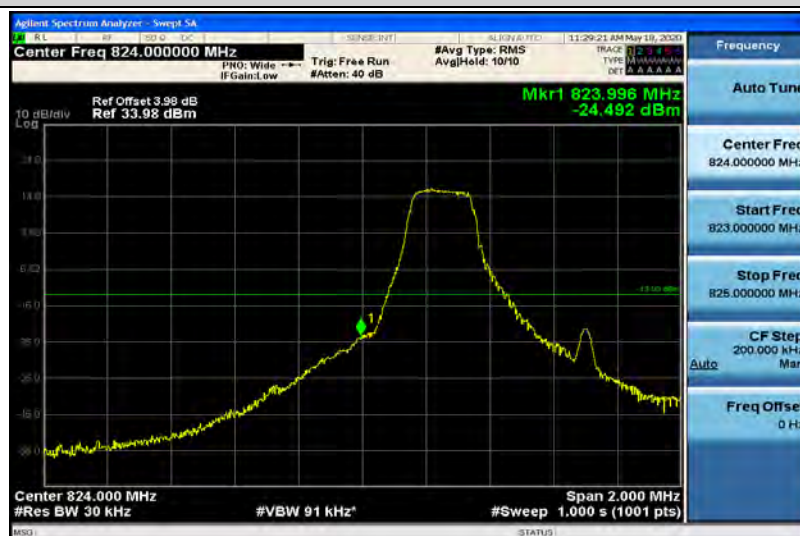
Band5-1.4MHz-QPSK-20643-1RB#5



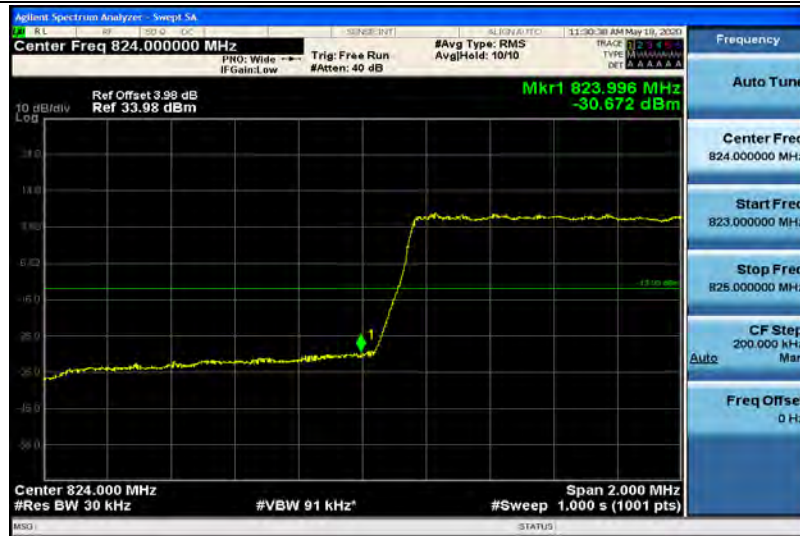
Band5-1.4MHz-QPSK-20643-6RB#0



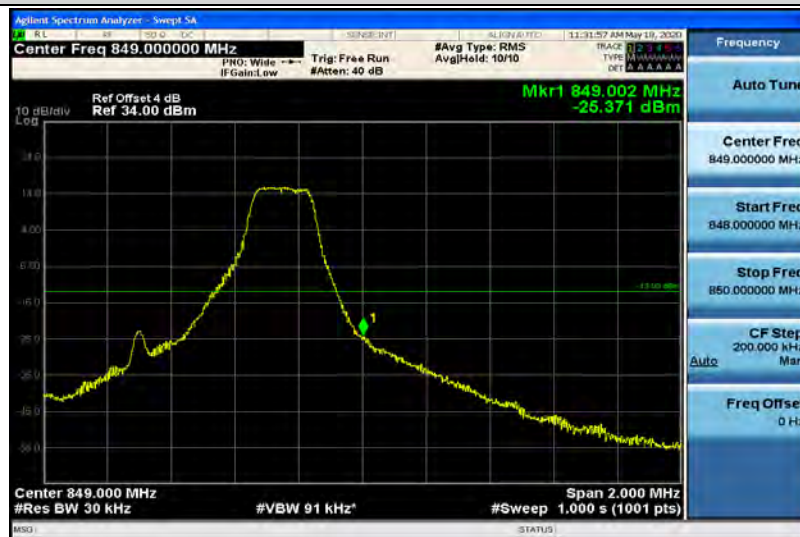
Band5-1.4MHz-16QAM-20407-1RB#0



Band5-1.4MHz-16QAM-20407-6RB#0



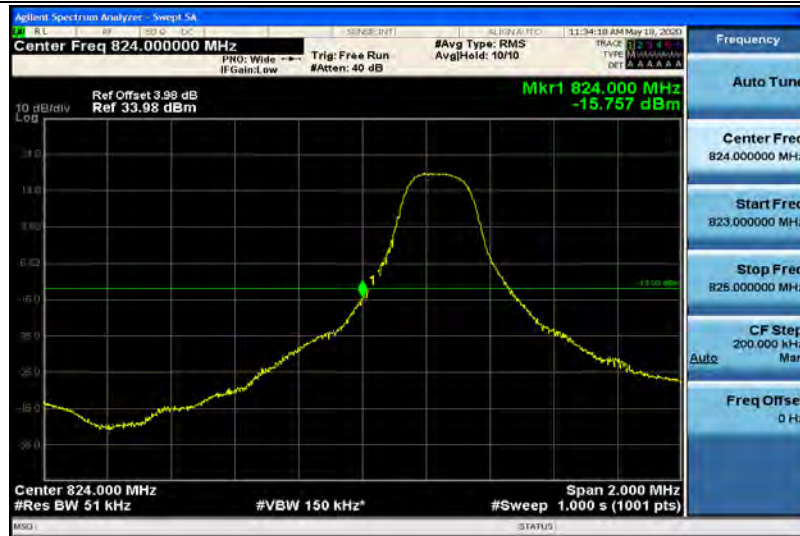
Band5-1.4MHz-16QAM-20643-1RB#5



Band5-1.4MHz-16QAM-20643-6RB#0



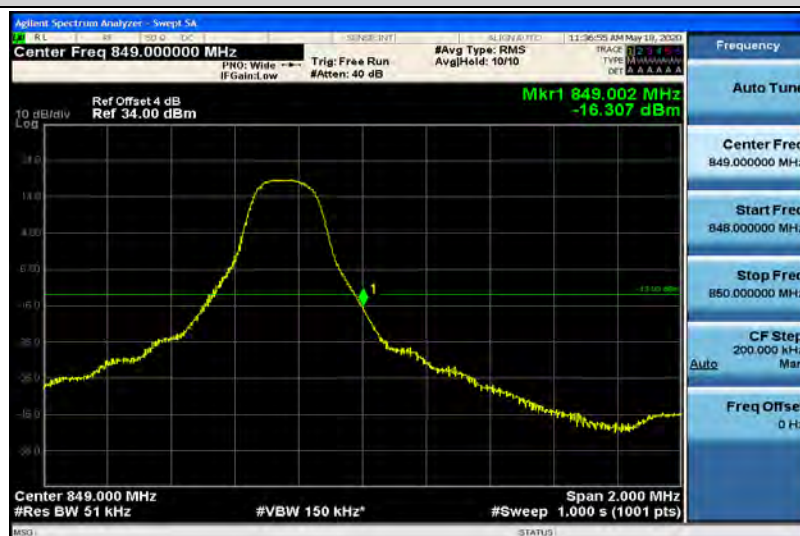
Band5-3MHz-QPSK-20415-1RB#0



Band5-3MHz-QPSK-20415-15RB#0



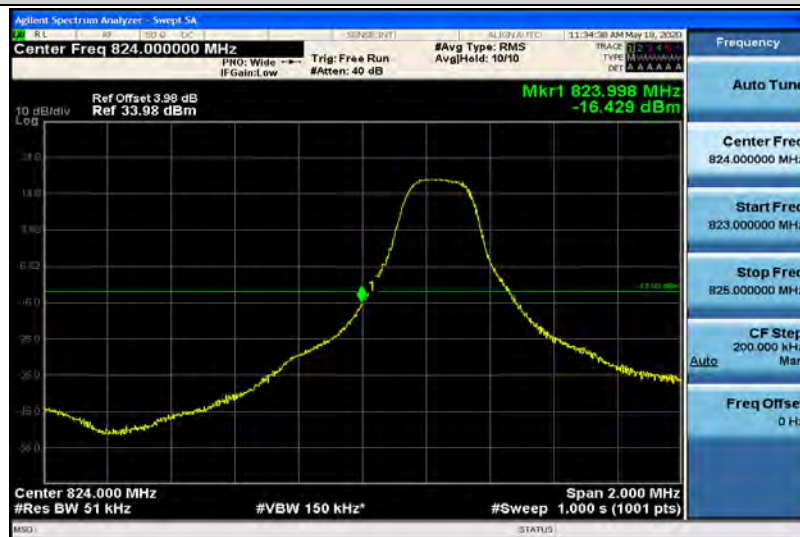
Band5-3MHz-QPSK-20635-1RB#14



Band5-3MHz-QPSK-20635-15RB#0



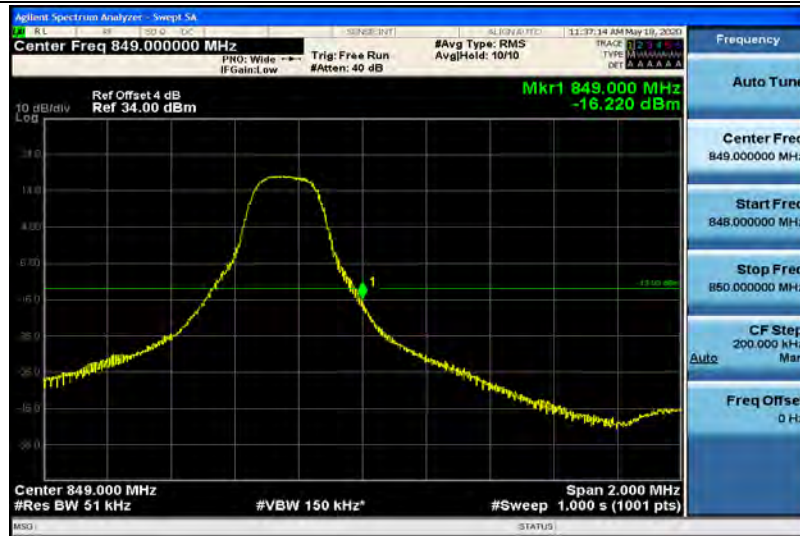
Band5-3MHz-16QAM-20415-1RB#0



Band5-3MHz-16QAM-20415-15RB#0



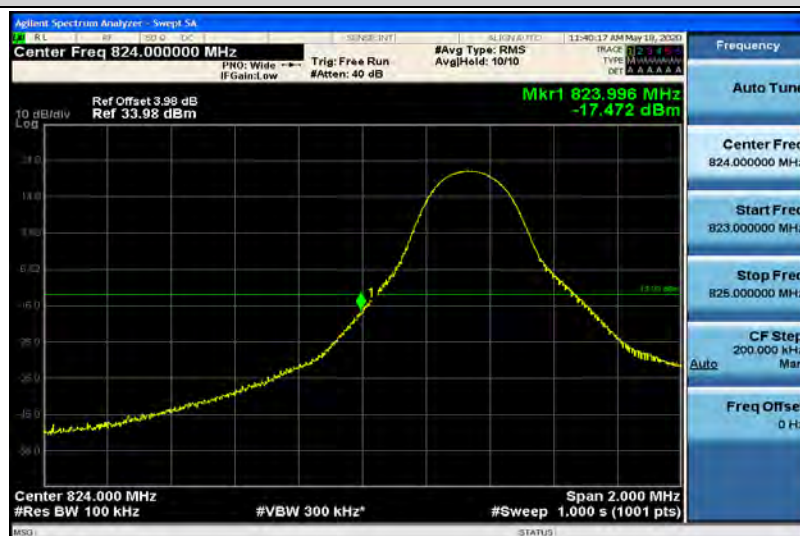
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Band5-3MHz-16QAM-20635-15RB#0



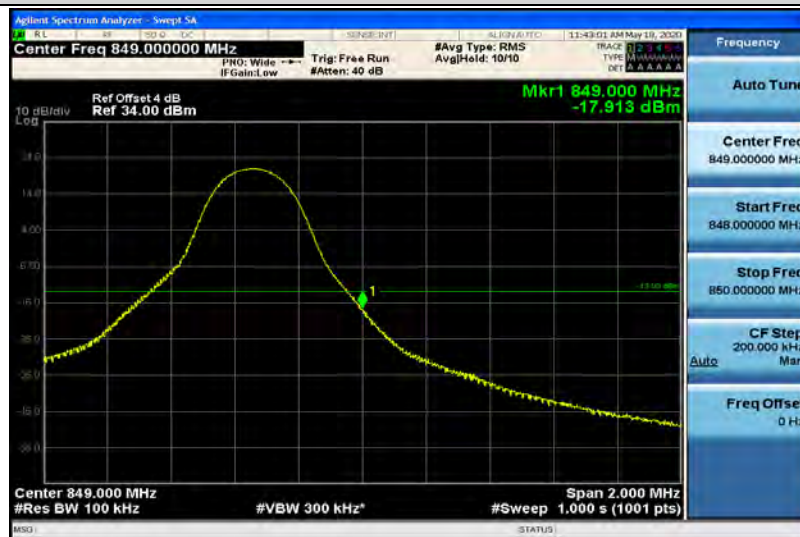
Band5-5MHz-QPSK-20425-1RB#0



Band5-5MHz-QPSK-20425-25RB#0



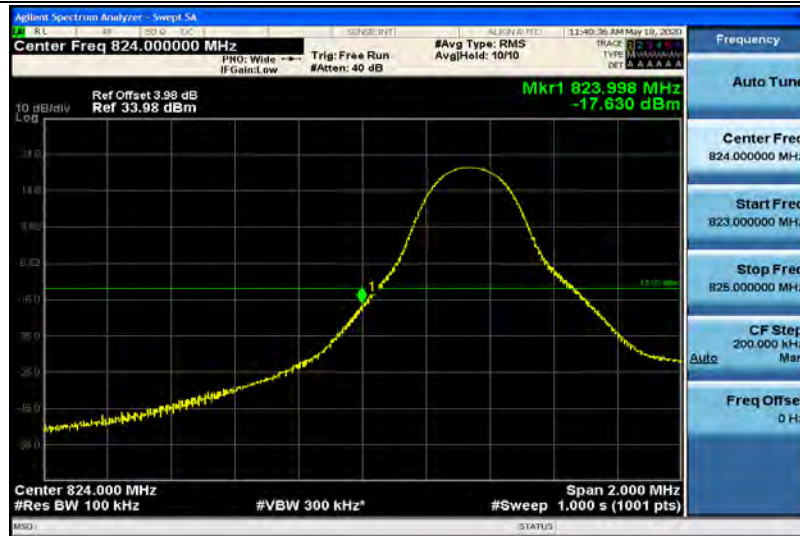
Band5-5MHz-QPSK-20625-1RB#24



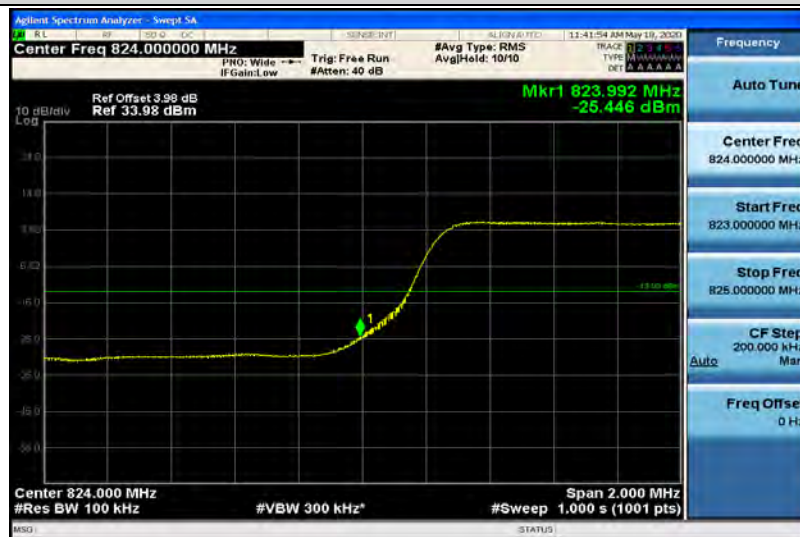
Band5-5MHz-QPSK-20625-25RB#0



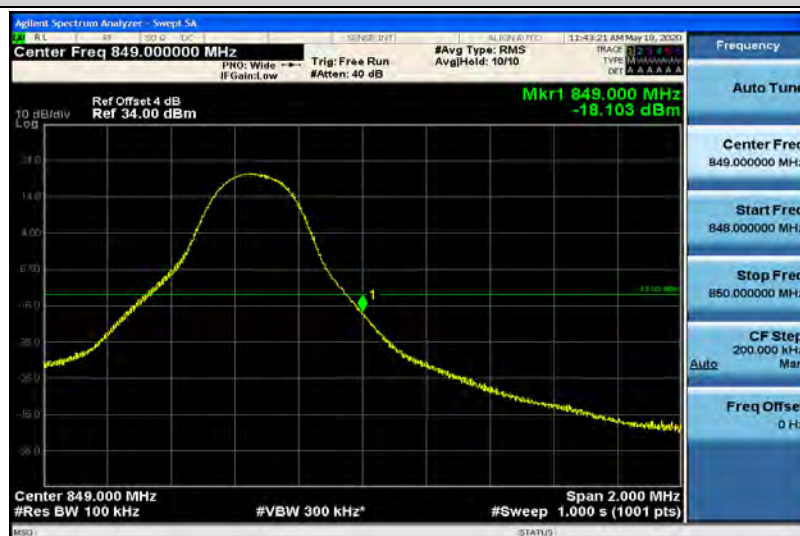
Band5-5MHz-16QAM-20425-1RB#0



Band5-5MHz-16QAM-20425-25RB#0



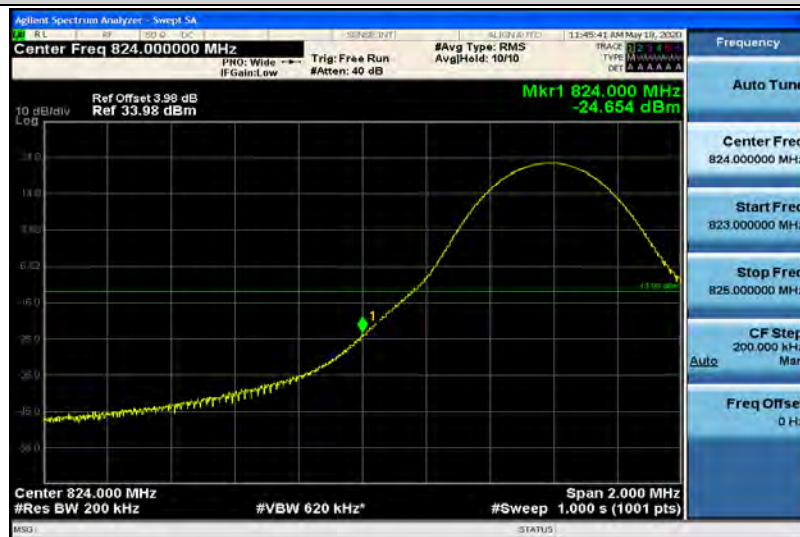
Band5-5MHz-16QAM-20625-1RB#24



Band5-5MHz-16QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-1RB#0



Band5-10MHz-QPSK-20450-50RB#0



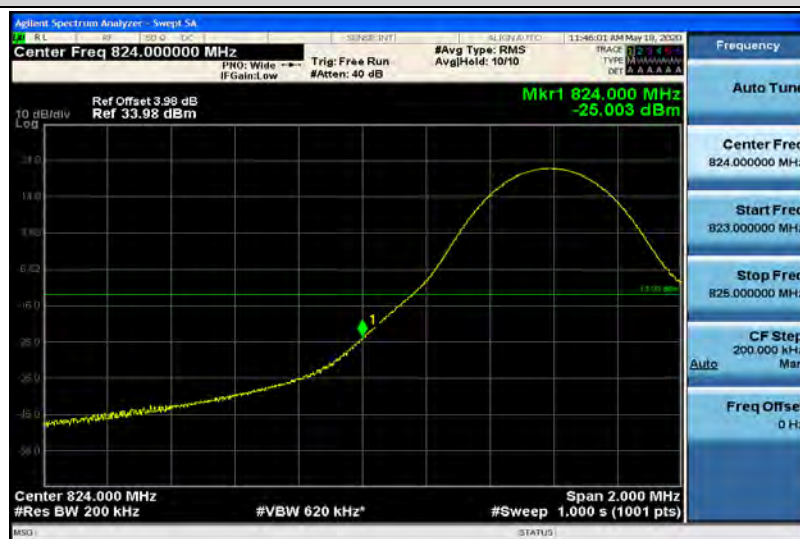
Band5-10MHz-QPSK-20600-1RB#49



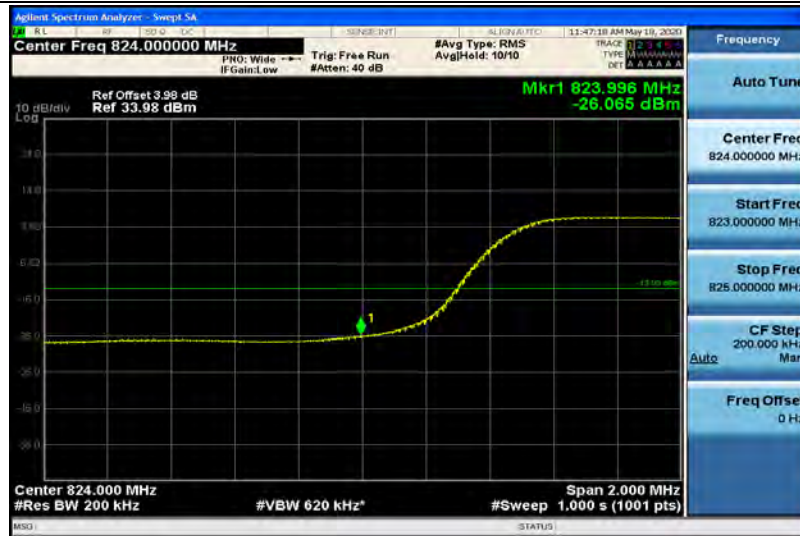
Band5-10MHz-QPSK-20600-50RB#0



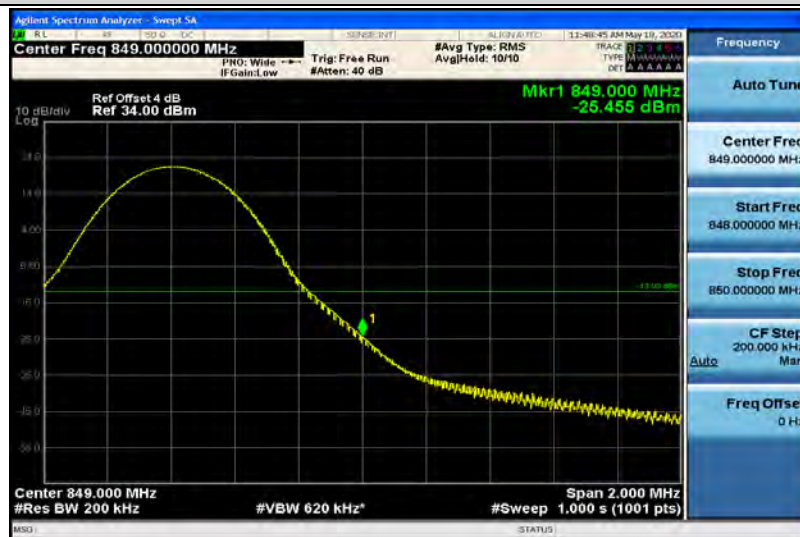
Band5-10MHz-16QAM-20450-1RB#0



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20600-1RB#49



Band5-10MHz-16QAM-20600-50RB#0

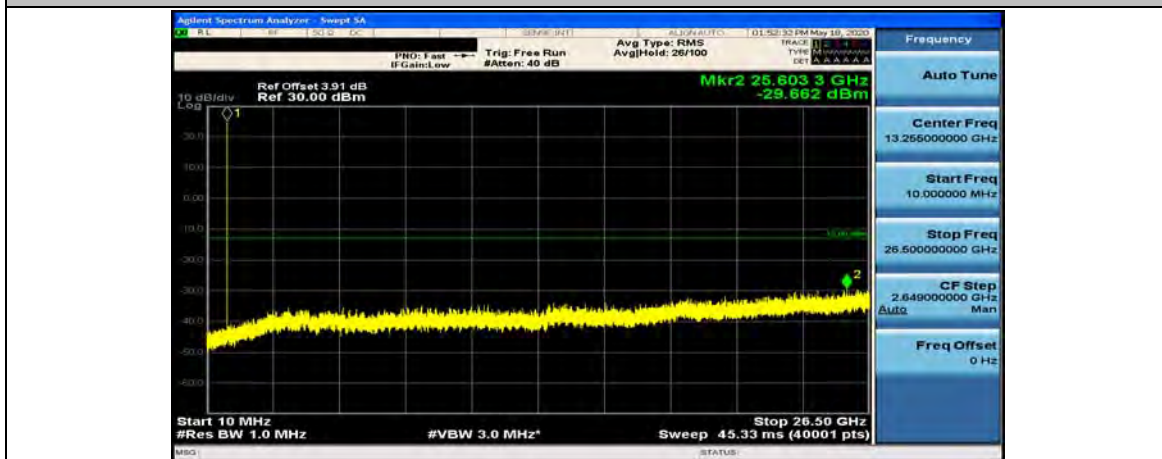


## Appendix E: Conducted Spurious Emission

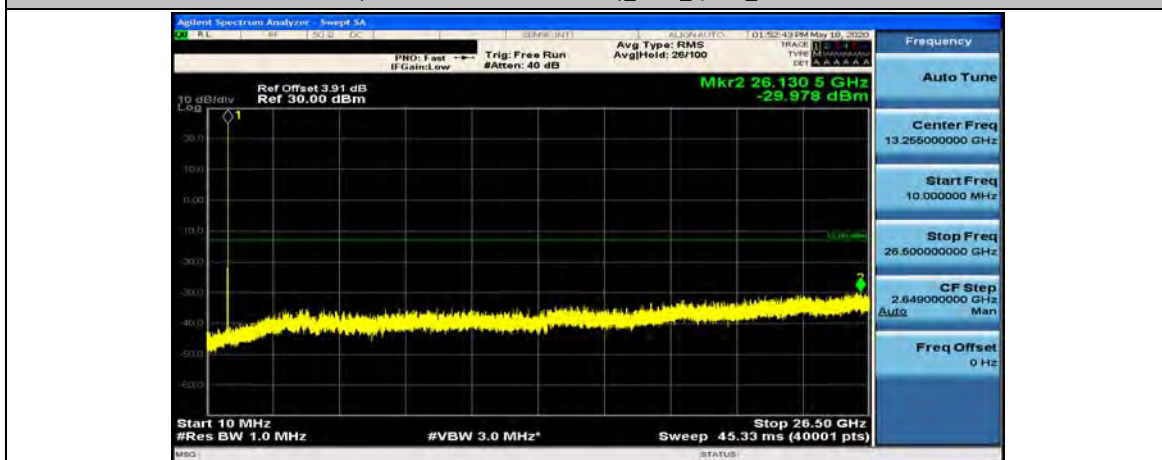
### Test Graphs

Channel Bandwidth: 1.4 MHz

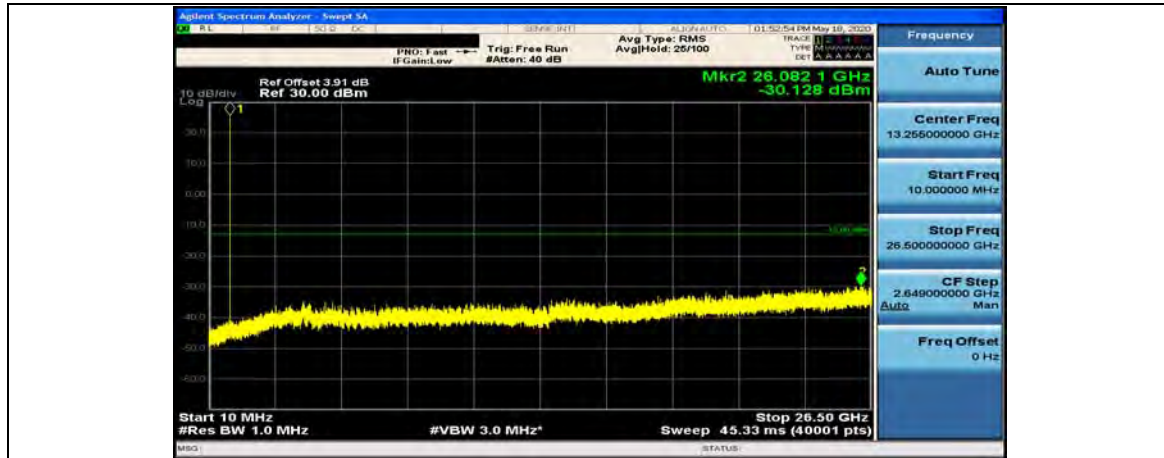
(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#0



(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#0

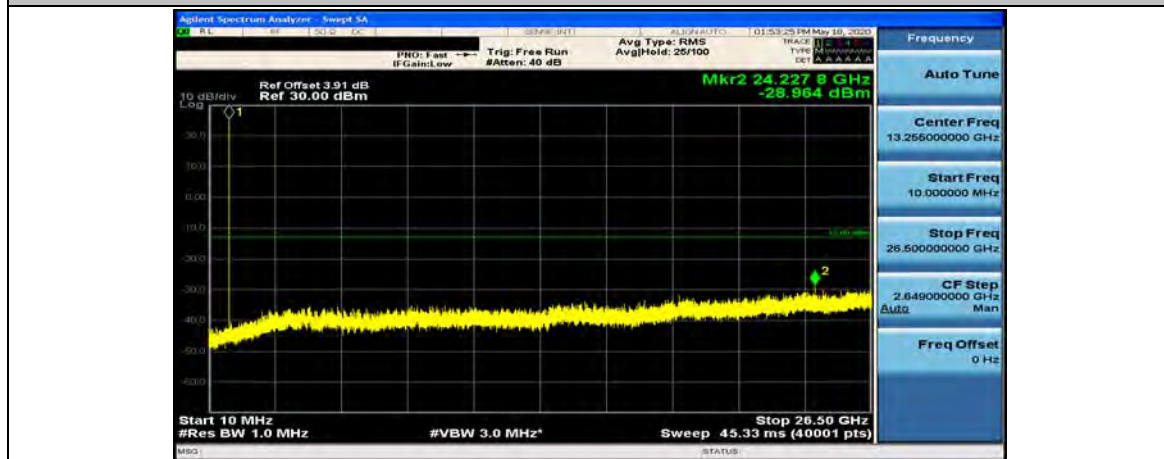


(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#0

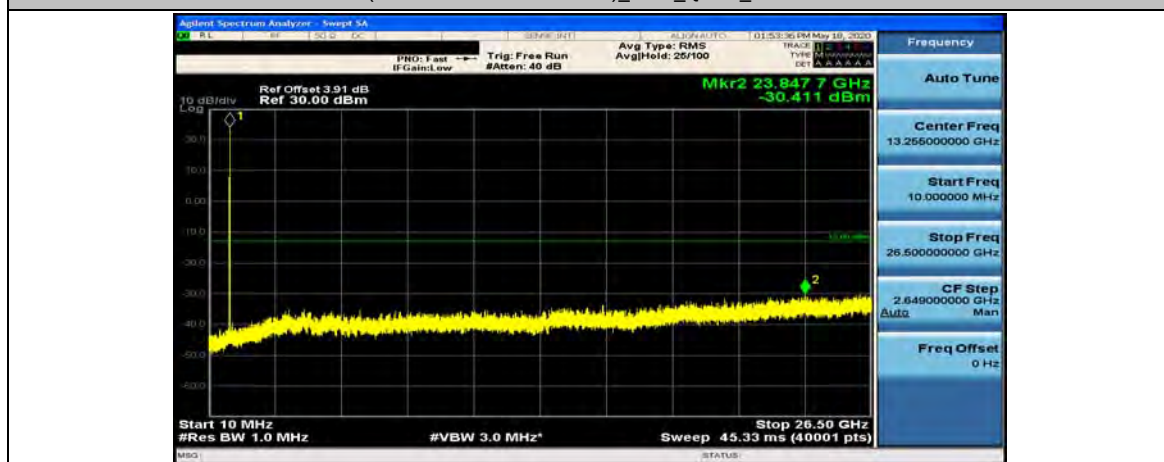


Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#0



(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#0

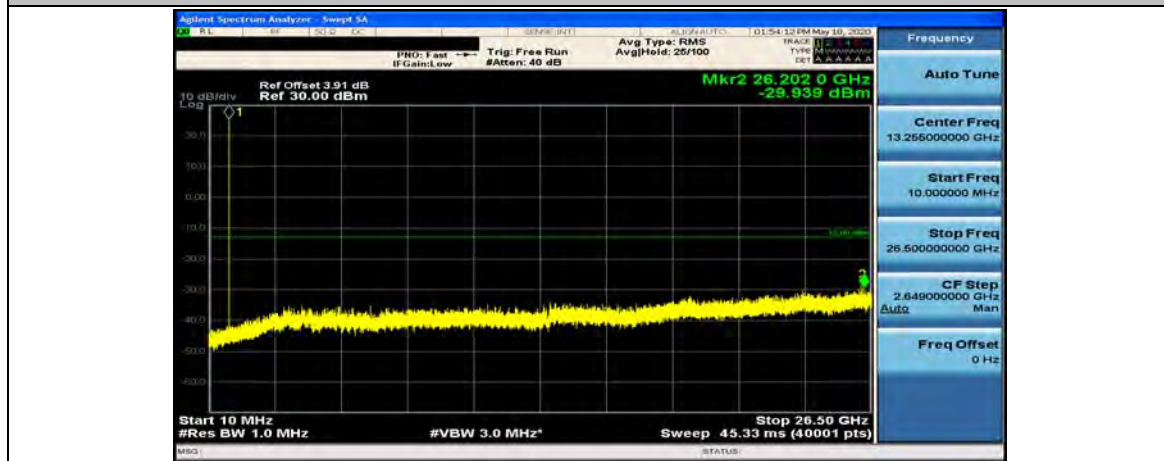


(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_1RB#0

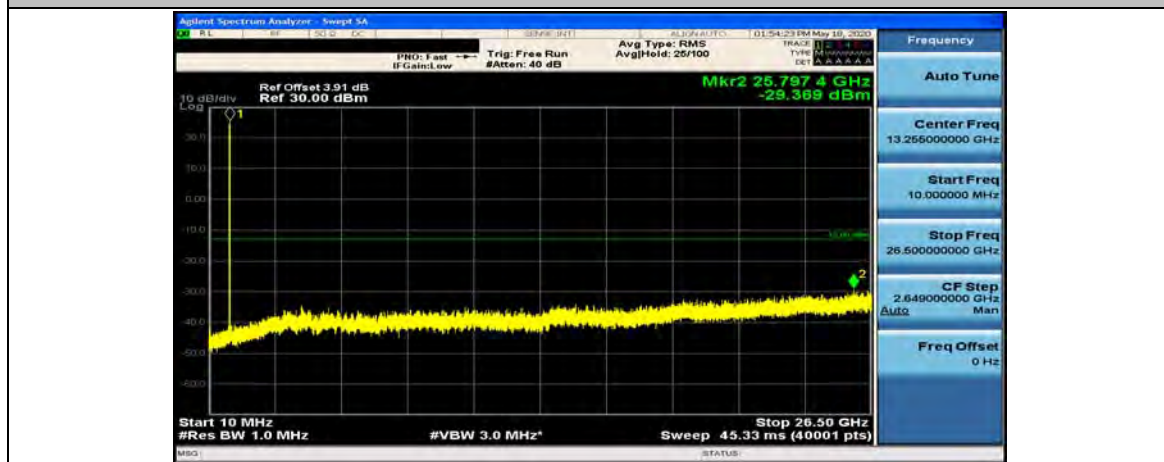


Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0



(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0

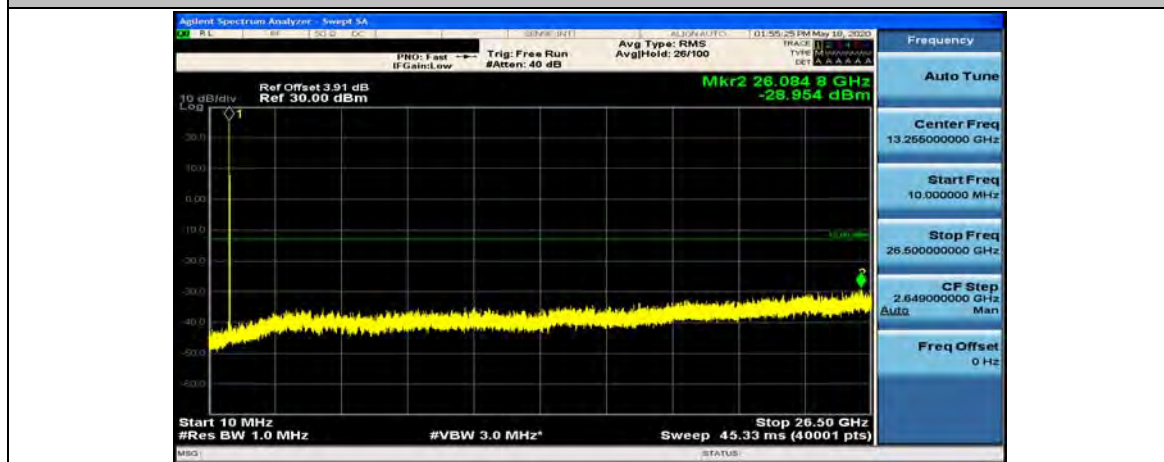


Channel Bandwidth: 10 MHz

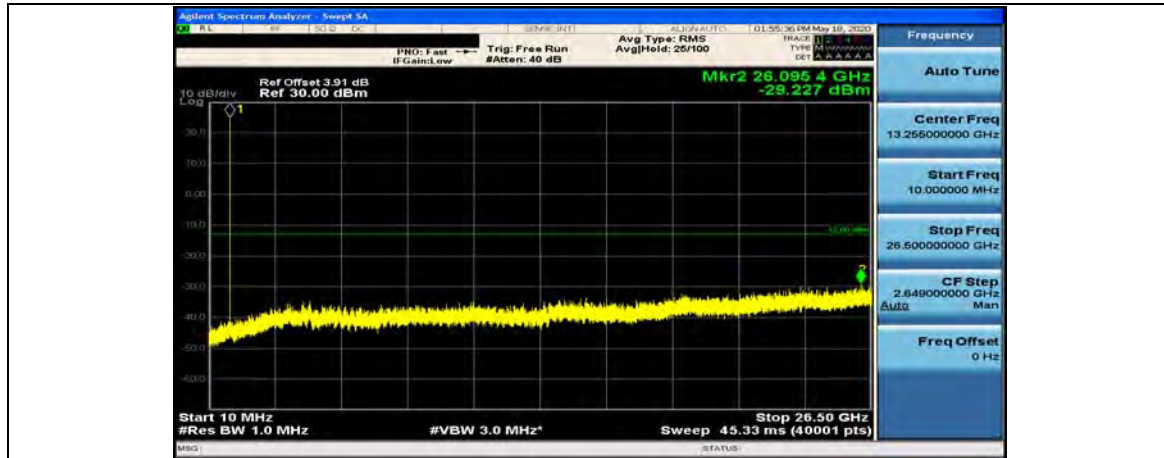
(Channel Bandwidth: 10 MHz)\_LCH\_QPSK\_1RB#0



(Channel Bandwidth: 10 MHz)\_MCH\_QPSK\_1RB#0



(Channel Bandwidth: 10 MHz)\_HCH\_QPSK\_1RB#0



## Appendix F: Frequency Stability

### Test Result

Channel Bandwidth: 1.4 MHz

| Channel Bandwidth: 1.4 MHz |         |               |                  |                |                 |             |         |
|----------------------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Voltage                    |         |               |                  |                |                 |             |         |
| Modulation                 | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                       | LCH     | VL            | TN               | -8.10          | -0.009822       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | -11.20         | -0.013581       | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -0.70          | -0.000849       | ± 2.5       | PASS    |
|                            | MCH     | VL            | TN               | -6.20          | -0.007412       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | -18.90         | -0.022594       | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -6.70          | -0.008010       | ± 2.5       | PASS    |
|                            | HCH     | VL            | TN               | -1.90          | -0.002240       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | -5.50          | -0.006484       | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -2.80          | -0.003301       | ± 2.5       | PASS    |
| Temperature                |         |               |                  |                |                 |             |         |
| Modulation                 | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                       | LCH     | VN            | -30              | -2.50          | -0.003031       | ± 2.5       | PASS    |
|                            |         | VN            | -20              | 1.40           | 0.001698        | ± 2.5       | PASS    |
|                            |         | VN            | -10              | -3.30          | -0.004001       | ± 2.5       | PASS    |
|                            |         | VN            | 0                | 1.90           | 0.002304        | ± 2.5       | PASS    |
|                            |         | VN            | 10               | -3.00          | -0.003638       | ± 2.5       | PASS    |
|                            |         | VN            | 20               | 0.70           | 0.000849        | ± 2.5       | PASS    |
|                            |         | VN            | 30               | -3.80          | -0.004608       | ± 2.5       | PASS    |
|                            |         | VN            | 40               | -0.10          | -0.000121       | ± 2.5       | PASS    |
|                            |         | VN            | 50               | 4.40           | 0.005335        | ± 2.5       | PASS    |
|                            | MCH     | VN            | -30              | -7.30          | -0.008727       | ± 2.5       | PASS    |
|                            |         | VN            | -20              | -7.30          | -0.008727       | ± 2.5       | PASS    |
|                            |         | VN            | -10              | -1.00          | -0.001195       | ± 2.5       | PASS    |
|                            |         | VN            | 0                | 1.10           | 0.001315        | ± 2.5       | PASS    |
|                            |         | VN            | 10               | 0.10           | 0.000120        | ± 2.5       | PASS    |
|                            |         | VN            | 20               | 1.00           | 0.001195        | ± 2.5       | PASS    |
|                            |         | VN            | 30               | -6.90          | -0.008249       | ± 2.5       | PASS    |
|                            |         | VN            | 40               | 1.40           | 0.001674        | ± 2.5       | PASS    |
|                            |         | VN            | 50               | -1.30          | -0.001554       | ± 2.5       | PASS    |
|                            | HCH     | VN            | -30              | -3.50          | -0.004126       | ± 2.5       | PASS    |
|                            |         | VN            | -20              | -3.40          | -0.004008       | ± 2.5       | PASS    |
|                            |         | VN            | -10              | -4.20          | -0.004951       | ± 2.5       | PASS    |
|                            |         | VN            | 0                | -4.00          | -0.004715       | ± 2.5       | PASS    |
|                            |         | VN            | 10               | -4.50          | -0.005305       | ± 2.5       | PASS    |
|                            |         | VN            | 20               | -3.80          | -0.004480       | ± 2.5       | PASS    |



|  |  |    |    |       |           |       |      |
|--|--|----|----|-------|-----------|-------|------|
|  |  | VN | 30 | -4.50 | -0.005305 | ± 2.5 | PASS |
|  |  | VN | 40 | -4.90 | -0.005776 | ± 2.5 | PASS |
|  |  | VN | 50 | -4.70 | -0.005540 | ± 2.5 | PASS |

### Channel Bandwidth: 3 MHz

| Channel Bandwidth: 3 MHz+ |         |               |                  |                |                 |             |         |
|---------------------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Voltage                   |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VL            | TN               | 6.30           | 0.007632        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.60          | -0.001938       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 6.30           | 0.007632        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 0.10           | 0.000120        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -4.10          | -0.004901       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.60           | 0.000717        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 0.80           | 0.000944        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.80           | 0.000944        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 3.40           | 0.004012        | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | 4.10           | 0.004967        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 0.50           | 0.000606        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 6.00           | 0.007268        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 3.30           | 0.003998        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 0.50           | 0.000606        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | -1.90          | -0.002302       | ± 2.5       | PASS    |
|                           |         | VN            | 30               | 5.40           | 0.006541        | ± 2.5       | PASS    |
|                           |         | VN            | 40               | 4.60           | 0.005572        | ± 2.5       | PASS    |
|                           |         | VN            | 50               | 5.40           | 0.006541        | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | -5.60          | -0.006695       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | -1.50          | -0.001793       | ± 2.5       | PASS    |
|                           |         | VN            | -10              | -7.10          | -0.008488       | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -2.00          | -0.002391       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 3.00           | 0.003586        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | -1.00          | -0.001195       | ± 2.5       | PASS    |
|                           |         | VN            | 30               | -3.60          | -0.004304       | ± 2.5       | PASS    |
|                           |         | VN            | 40               | -5.70          | -0.006814       | ± 2.5       | PASS    |
|                           |         | VN            | 50               | -3.60          | -0.004304       | ± 2.5       | PASS    |
|                           | HCH     | VN            | -30              | 2.50           | 0.002950        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 0.10           | 0.000118        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | -1.70          | -0.002006       | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 0.20           | 0.000236        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 4.20           | 0.004956        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 2.50           | 0.002950        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | 1.30           | 0.001534        | ± 2.5       | PASS    |
|                           |         | VN            | 40               | -0.30          | -0.000354       | ± 2.5       | PASS    |
|                           |         | VN            | 50               | 1.30           | 0.001534        | ± 2.5       | PASS    |

### Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz |         |               |                  |                |                 |             |         |
|--------------------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Voltage                  |         |               |                  |                |                 |             |         |
| Modulation               | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                     | LCH     | VL            | TN               | 3.80           | 0.004598        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 1.30           | 0.001573        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -2.20          | -0.002662       | ± 2.5       | PASS    |
|                          | MCH     | VL            | TN               | 1.50           | 0.001793        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | -0.70          | -0.000837       | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -5.90          | -0.007053       | ± 2.5       | PASS    |
|                          | HCH     | VL            | TN               | 4.20           | 0.004962        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 1.70           | 0.002008        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -0.50          | -0.000591       | ± 2.5       | PASS    |
| Temperature              |         |               |                  |                |                 |             |         |
| Modulation               | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                     | LCH     | VN            | -30              | -4.30          | -0.005203       | ± 2.5       | PASS    |
|                          |         | VN            | -20              | -4.70          | -0.005687       | ± 2.5       | PASS    |
|                          |         | VN            | -10              | 0.80           | 0.000968        | ± 2.5       | PASS    |
|                          |         | VN            | 0                | -1.30          | -0.001573       | ± 2.5       | PASS    |
|                          |         | VN            | 10               | -1.50          | -0.001815       | ± 2.5       | PASS    |
|                          |         | VN            | 20               | -3.50          | -0.004235       | ± 2.5       | PASS    |
|                          |         | VN            | 30               | 1.00           | 0.001210        | ± 2.5       | PASS    |
|                          |         | VN            | 40               | 1.60           | 0.001936        | ± 2.5       | PASS    |
|                          |         | VN            | 50               | 1.00           | 0.001210        | ± 2.5       | PASS    |
|                          | MCH     | VN            | -30              | -7.90          | -0.009444       | ± 2.5       | PASS    |
|                          |         | VN            | -20              | -0.30          | -0.000359       | ± 2.5       | PASS    |
|                          |         | VN            | -10              | -1.60          | -0.001913       | ± 2.5       | PASS    |
|                          |         | VN            | 0                | -4.80          | -0.005738       | ± 2.5       | PASS    |
|                          |         | VN            | 10               | -6.70          | -0.008010       | ± 2.5       | PASS    |
|                          |         | VN            | 20               | -7.30          | -0.008727       | ± 2.5       | PASS    |
|                          |         | VN            | 30               | 1.90           | 0.002271        | ± 2.5       | PASS    |
|                          |         | VN            | 40               | -5.40          | -0.006455       | ± 2.5       | PASS    |
|                          |         | VN            | 50               | -5.60          | -0.006695       | ± 2.5       | PASS    |
|                          | HCH     | VN            | -30              | -2.40          | -0.002835       | ± 2.5       | PASS    |
|                          |         | VN            | -20              | 3.40           | 0.004017        | ± 2.5       | PASS    |
|                          |         | VN            | -10              | 3.30           | 0.003898        | ± 2.5       | PASS    |
|                          |         | VN            | 0                | 1.70           | 0.002008        | ± 2.5       | PASS    |
|                          |         | VN            | 10               | 0.20           | 0.000236        | ± 2.5       | PASS    |
|                          |         | VN            | 20               | 5.80           | 0.006852        | ± 2.5       | PASS    |
|                          |         | VN            | 30               | 5.10           | 0.006025        | ± 2.5       | PASS    |
|                          |         | VN            | 40               | 5.70           | 0.006734        | ± 2.5       | PASS    |
| VN                       | 50      | 1.70          | 0.002008         | ± 2.5          | PASS            |             |         |

### Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz |         |               |                  |                |                 |             |         |
|---------------------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Voltage                   |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VL            | TN               | -0.70          | -0.000844       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.70           | 0.000844        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -5.20          | -0.006273       | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -3.50          | -0.004184       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -2.40          | -0.002869       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -8.80          | -0.010520       | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | -6.70          | -0.007938       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -3.50          | -0.004147       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -7.20          | -0.008531       | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | -5.40          | -0.006514       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | -7.10          | -0.008565       | ± 2.5       | PASS    |
|                           |         | VN            | -10              | -6.80          | -0.008203       | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -6.50          | -0.007841       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | -5.70          | -0.006876       | ± 2.5       | PASS    |
|                           |         | VN            | 20               | -4.60          | -0.005549       | ± 2.5       | PASS    |
|                           |         | VN            | 30               | -2.60          | -0.003136       | ± 2.5       | PASS    |
|                           |         | VN            | 40               | -1.50          | -0.001809       | ± 2.5       | PASS    |
|                           |         | VN            | 50               | -6.60          | -0.007961       | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | -4.90          | -0.005858       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | -2.40          | -0.002869       | ± 2.5       | PASS    |
|                           |         | VN            | -10              | -7.60          | -0.009085       | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -2.10          | -0.002510       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | -5.00          | -0.005977       | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 0.90           | 0.001076        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | -2.10          | -0.002510       | ± 2.5       | PASS    |
|                           |         | VN            | 40               | -2.40          | -0.002869       | ± 2.5       | PASS    |
|                           |         | VN            | 50               | -2.90          | -0.003467       | ± 2.5       | PASS    |
|                           | HCH     | VN            | -30              | -4.20          | -0.004976       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | -1.60          | -0.001896       | ± 2.5       | PASS    |
|                           |         | VN            | -10              | -5.40          | -0.006398       | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -7.70          | -0.009123       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | -2.00          | -0.002370       | ± 2.5       | PASS    |
|                           |         | VN            | 20               | -6.80          | -0.008057       | ± 2.5       | PASS    |
|                           |         | VN            | 30               | -1.30          | -0.001540       | ± 2.5       | PASS    |
|                           |         | VN            | 40               | -5.90          | -0.006991       | ± 2.5       | PASS    |
|                           |         | VN            | 50               | -0.50          | -0.000592       | ± 2.5       | PASS    |