



## Appendix C Test Data for E-UTRA Band 41

Product Name: Smart Collar GateWay

Test Model: KCU01BC

### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 24.6° C   |
| Relative Humidity: | 53.6%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Jay Luo   |
| Supervised by:     | Nick Peng |



Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: [webmaster@lcs-cert.com](mailto:webmaster@lcs-cert.com) | Web: [www.lcs-cert.com](http://www.lcs-cert.com)  
Scan code to check authenticity



## C.1 Conducted Output Power Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#0            | 22.02       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#0            | 21.93       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#12           | 22.05       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#12           | 23.04       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#24           | 22.10       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#24           | 22.23       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 12RB#0           | 21.19       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 12RB#0           | 20.49       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 12RB#6           | 21.04       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 12RB#6           | 20.32       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 12RB#13          | 20.90       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 12RB#13          | 20.34       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 25RB#0           | 20.89       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 25RB#0           | 20.37       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#0            | 22.15       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 1RB#0            | 22.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#12           | 22.09       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 1RB#12           | 21.94       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#24           | 22.05       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 1RB#24           | 21.66       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 12RB#0           | 20.97       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 12RB#0           | 20.39       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 12RB#6           | 20.97       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 12RB#6           | 20.39       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 12RB#13          | 20.94       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 12RB#13          | 20.33       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 25RB#0           | 20.98       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 25RB#0           | 20.41       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#0            | 21.49       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 1RB#0            | 21.14       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#12           | 21.46       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 1RB#12           | 21.11       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#24           | 21.54       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 1RB#24           | 20.98       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 12RB#0           | 20.48       | PASS    |



Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity



|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#0  | 19.67 | PASS |
| Band41 | 5MHz  | QPSK  | 41565 | 12RB#6  | 20.49 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#6  | 19.67 | PASS |
| Band41 | 5MHz  | QPSK  | 41565 | 12RB#13 | 20.42 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#13 | 19.74 | PASS |
| Band41 | 5MHz  | QPSK  | 41565 | 25RB#0  | 20.47 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 25RB#0  | 19.83 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#0   | 22.19 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0   | 22.15 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#24  | 22.21 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#24  | 22.10 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#49  | 22.22 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#49  | 22.20 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#0  | 21.17 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#0  | 20.47 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#12 | 21.17 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#12 | 20.46 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#25 | 21.08 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#25 | 20.45 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 50RB#0  | 21.11 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0  | 20.47 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#0   | 22.36 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0   | 22.32 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#24  | 22.28 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#24  | 22.21 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#49  | 22.36 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#49  | 22.28 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#0  | 21.09 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#0  | 20.47 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#12 | 21.10 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#12 | 20.51 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#25 | 21.17 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#25 | 20.45 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 50RB#0  | 20.93 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0  | 20.29 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#0   | 21.73 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0   | 21.56 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#24  | 21.75 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#24  | 21.53 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#49  | 21.74 | PASS |



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band41 | 10MHz | 16QAM | 41540 | 1RB#49  | 21.54 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#0  | 20.57 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#0  | 19.94 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#12 | 20.57 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#12 | 19.91 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#25 | 20.67 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#25 | 19.87 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 50RB#0  | 20.62 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0  | 19.93 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#0   | 22.21 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0   | 22.04 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#38  | 22.18 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#38  | 22.16 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#74  | 22.24 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#74  | 22.18 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 38RB#0  | 21.12 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 38RB#0  | 21.11 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 38RB#18 | 21.11 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 38RB#18 | 21.11 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 38RB#37 | 21.11 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 38RB#37 | 21.11 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 75RB#0  | 21.10 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0  | 20.52 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#0   | 22.40 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0   | 22.27 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#38  | 22.26 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#38  | 22.23 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#74  | 22.24 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#74  | 22.20 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 38RB#0  | 21.11 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 38RB#0  | 21.11 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 38RB#18 | 21.12 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 38RB#18 | 21.07 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 38RB#37 | 21.13 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 38RB#37 | 21.08 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 75RB#0  | 21.13 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0  | 20.60 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#0   | 21.79 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0   | 21.60 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#38  | 21.70 | PASS |





|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band41 | 15MHz | 16QAM | 41515 | 1RB#38  | 21.59 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#74  | 21.71 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#74  | 21.52 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 38RB#0  | 20.61 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 38RB#0  | 20.61 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 38RB#18 | 20.61 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 38RB#18 | 20.61 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 38RB#37 | 20.62 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 38RB#37 | 20.62 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 75RB#0  | 20.62 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0  | 19.96 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#0   | 21.72 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0   | 21.29 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#49  | 21.81 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#49  | 21.22 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#99  | 21.84 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#99  | 21.42 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#0  | 21.15 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#0  | 20.67 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#25 | 21.15 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#25 | 20.67 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#50 | 21.21 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#50 | 20.69 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | 21.19 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | 20.44 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#0   | 21.93 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0   | 22.18 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#49  | 21.87 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#49  | 22.01 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#99  | 21.79 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#99  | 21.79 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#0  | 21.21 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#0  | 20.68 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#25 | 21.21 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#25 | 20.69 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#50 | 21.15 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#50 | 20.69 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | 21.06 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | 20.60 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#0   | 21.42 | PASS |



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0   | 21.61 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#49  | 21.35 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#49  | 21.54 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#99  | 21.38 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#99  | 21.58 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#0  | 20.67 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#0  | 20.04 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#25 | 20.68 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#25 | 20.04 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#50 | 20.62 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#50 | 20.03 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | 20.70 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | 20.00 | PASS |





## C.2 Peak-to-Average Ratio(CCDF)

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#0            | 8.59       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#0            | 8.96       | 13        | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 25RB#0           | 9.01       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 25RB#0           | 9.55       | 13        | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#0            | 8.52       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 1RB#0            | 8.44       | 13        | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 25RB#0           | 9.19       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 25RB#0           | 9.78       | 13        | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#0            | 8.45       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 1RB#0            | 8.63       | 13        | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 25RB#0           | 9.26       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 25RB#0           | 9.93       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 1RB#0            | 8.35       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 39700   | 1RB#0            | 8.75       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 50RB#0           | 9.07       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 39700   | 50RB#0           | 9.90       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 40620   | 1RB#0            | 8.83       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 40620   | 1RB#0            | 8.90       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 40620   | 50RB#0           | 8.90       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 40620   | 50RB#0           | 9.76       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 41540   | 1RB#0            | 8.42       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 41540   | 1RB#0            | 8.95       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 41540   | 50RB#0           | 9.16       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 41540   | 50RB#0           | 9.68       | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 39725   | 1RB#0            | 8.25       | 13        | PASS    |
| Band41 | 15MHz     | 16QAM      | 39725   | 1RB#0            | 8.82       | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 39725   | 75RB#0           | 9.50       | 13        | PASS    |
| Band41 | 15MHz     | 16QAM      | 39725   | 75RB#0           | 9.84       | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 40620   | 1RB#0            | 8.27       | 13        | PASS    |
| Band41 | 15MHz     | 16QAM      | 40620   | 1RB#0            | 8.90       | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 40620   | 75RB#0           | 9.26       | 13        | PASS    |
| Band41 | 15MHz     | 16QAM      | 40620   | 75RB#0           | 10.24      | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 41515   | 1RB#0            | 8.21       | 13        | PASS    |
| Band41 | 15MHz     | 16QAM      | 41515   | 1RB#0            | 8.67       | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 41515   | 75RB#0           | 9.50       | 13        | PASS    |



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

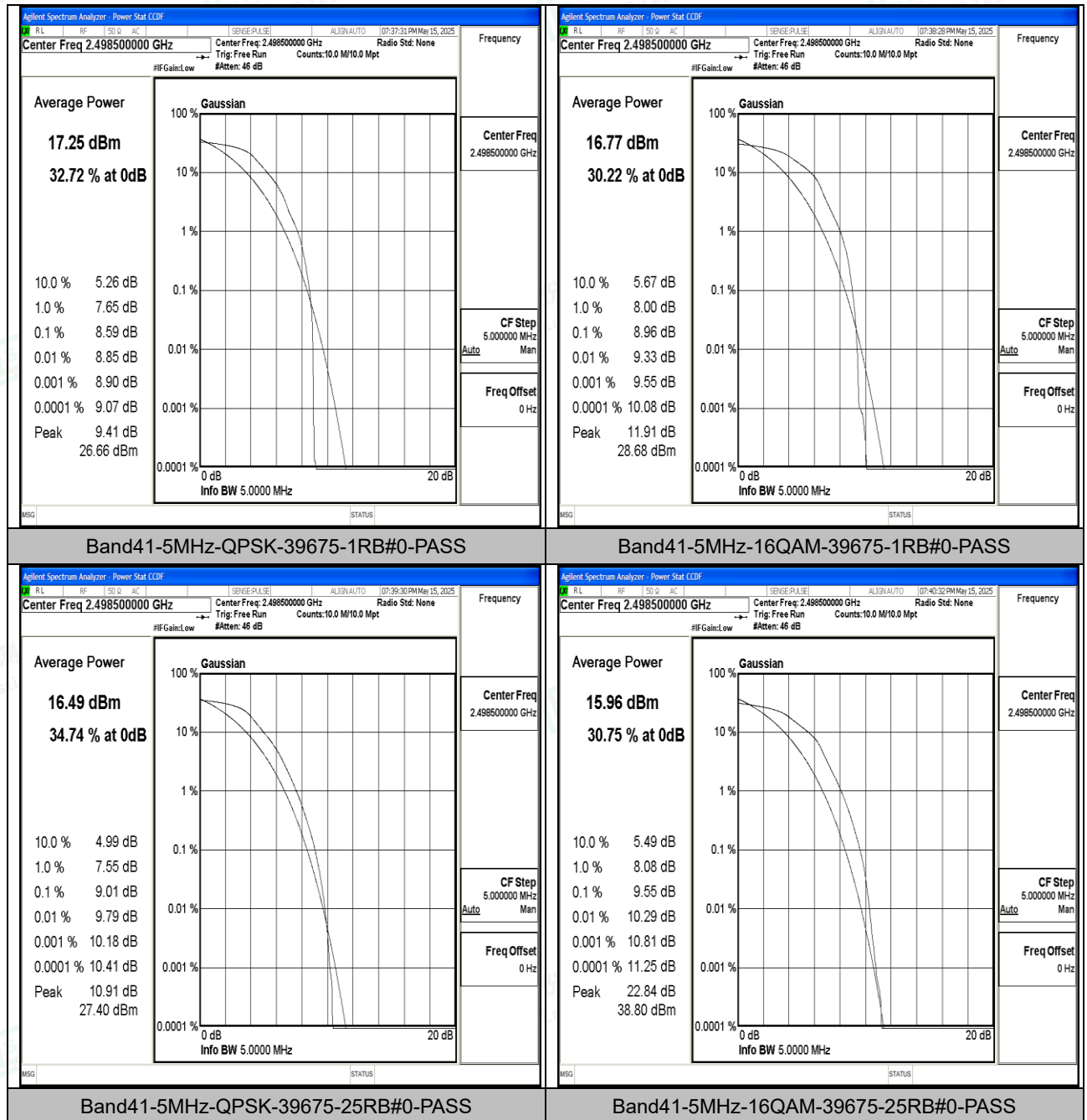


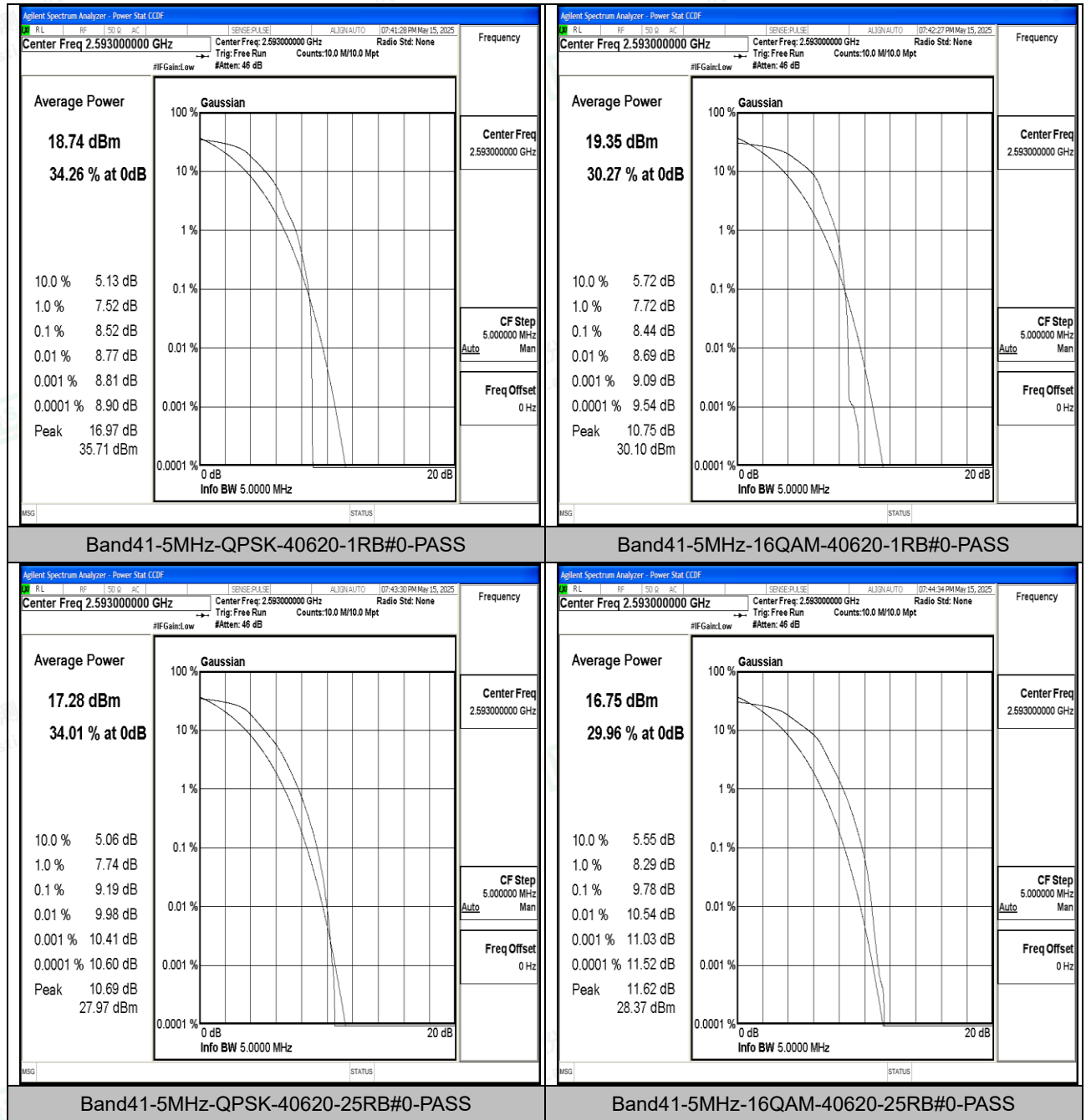
|        |       |       |       |         |       |    |      |
|--------|-------|-------|-------|---------|-------|----|------|
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0  | 10.04 | 13 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#0   | 8.21  | 13 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0   | 9.05  | 13 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | 9.09  | 13 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | 9.82  | 13 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#0   | 8.08  | 13 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0   | 8.69  | 13 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | 8.83  | 13 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | 9.94  | 13 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#0   | 8.11  | 13 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0   | 8.52  | 13 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | 9.00  | 13 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | 10.29 | 13 | PASS |

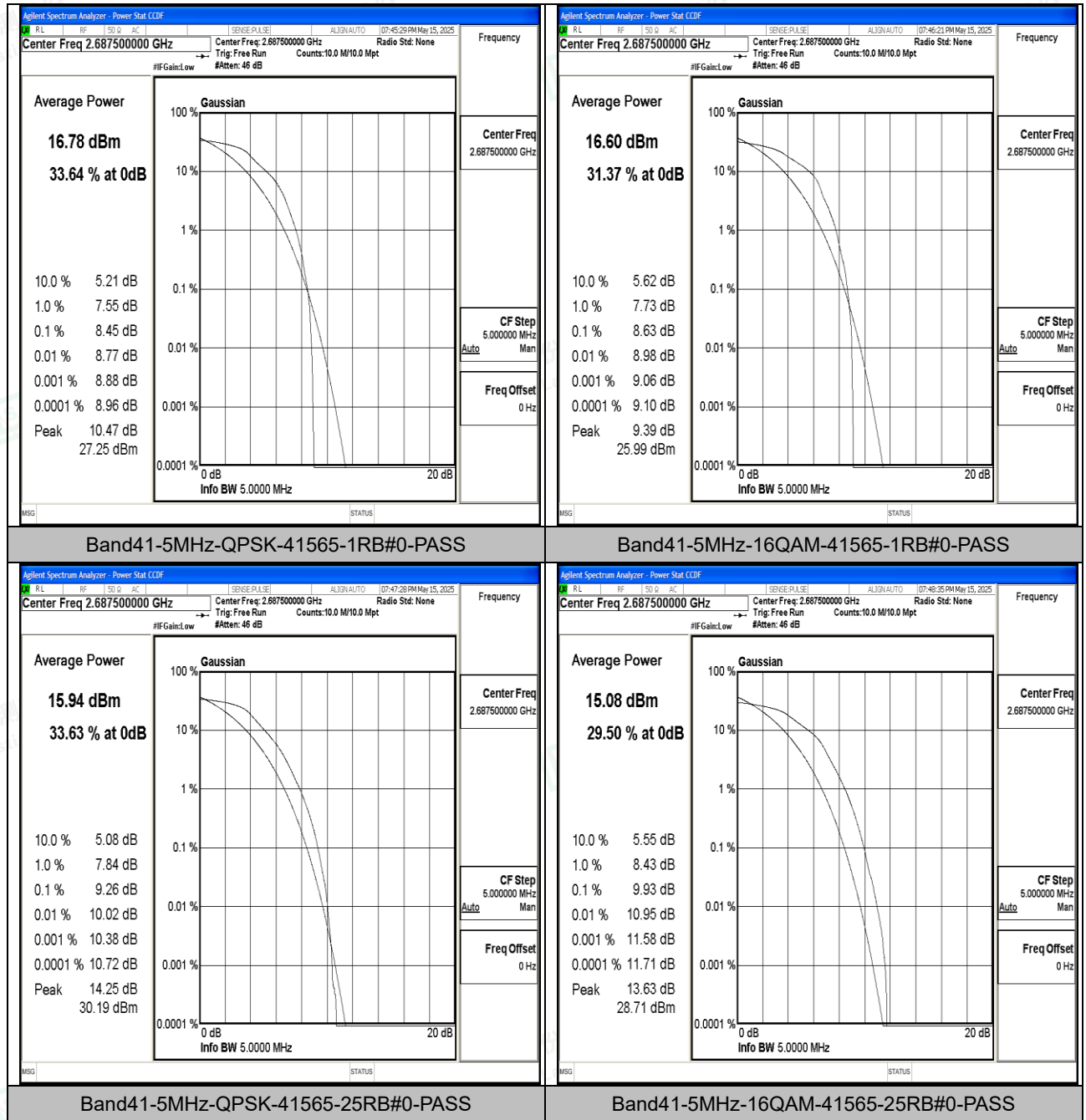


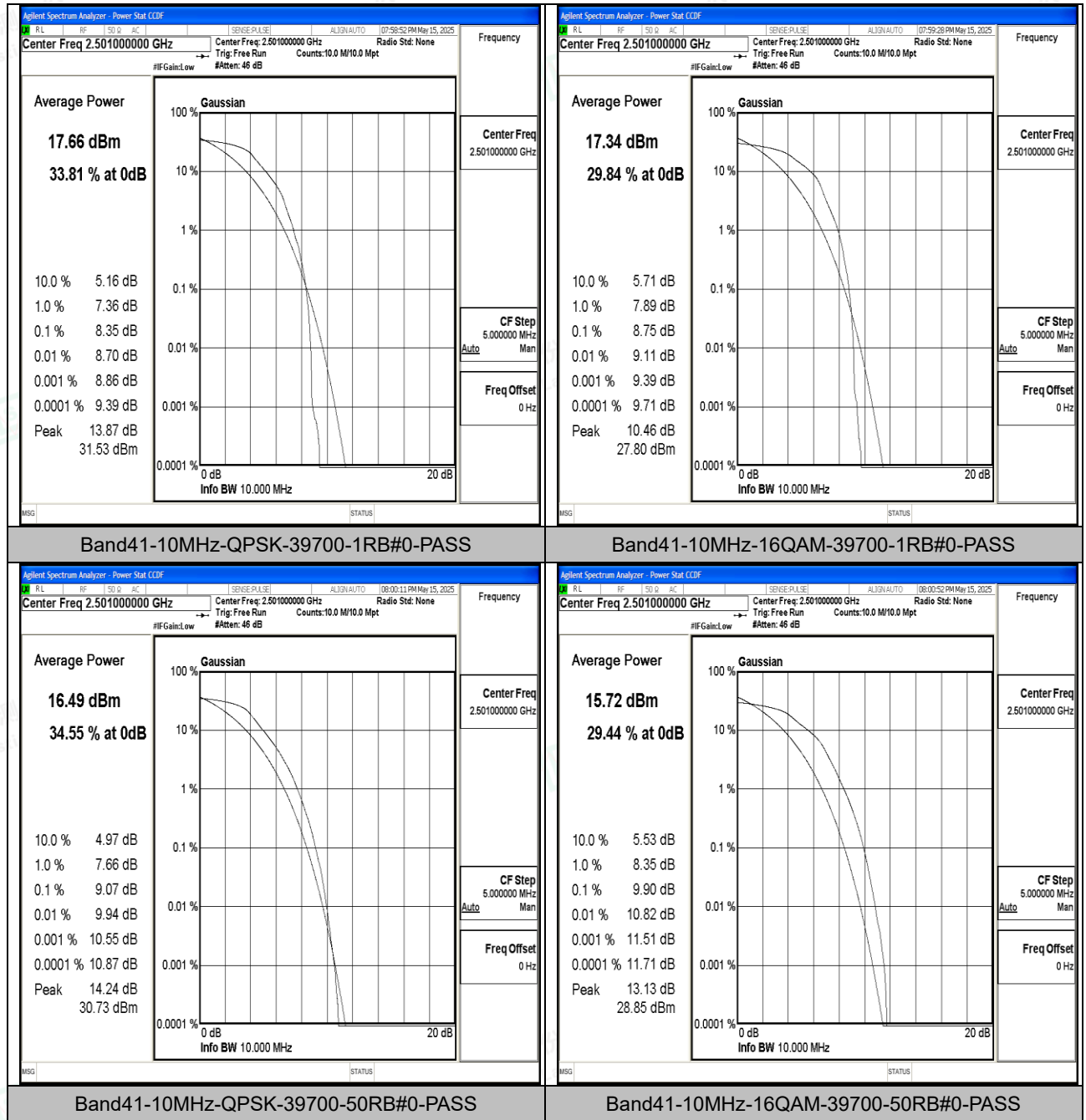


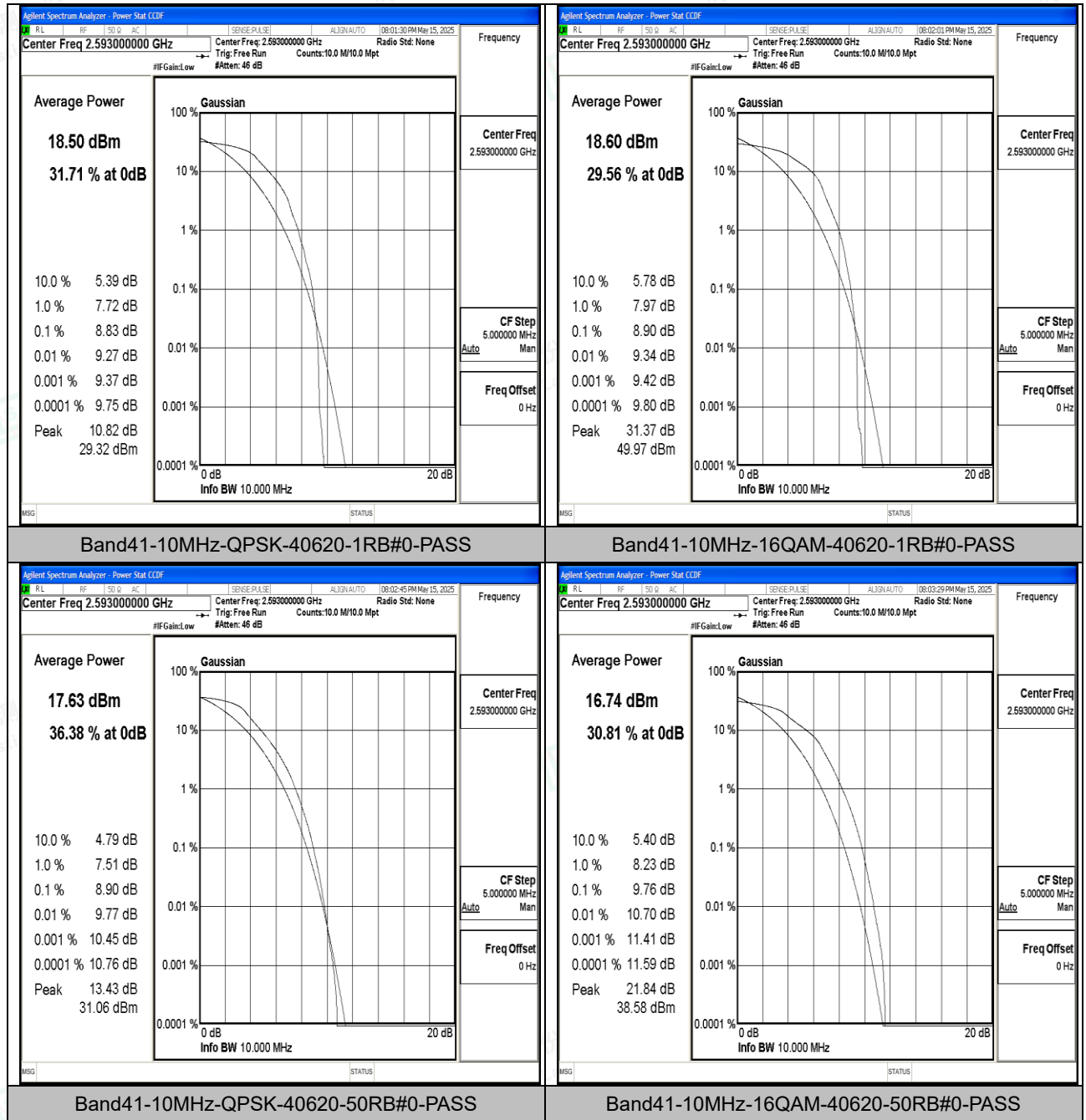
## Test Graphs

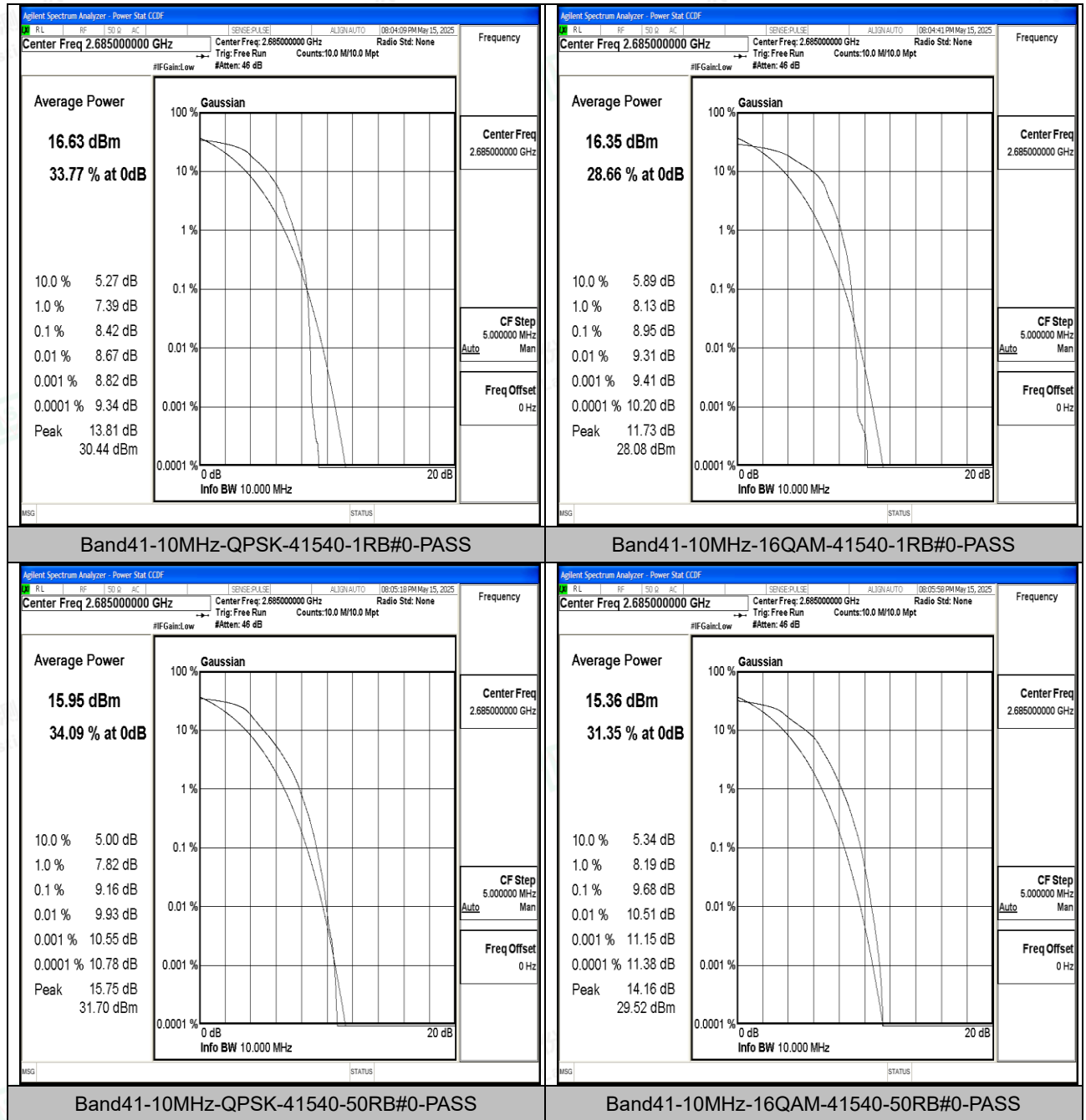


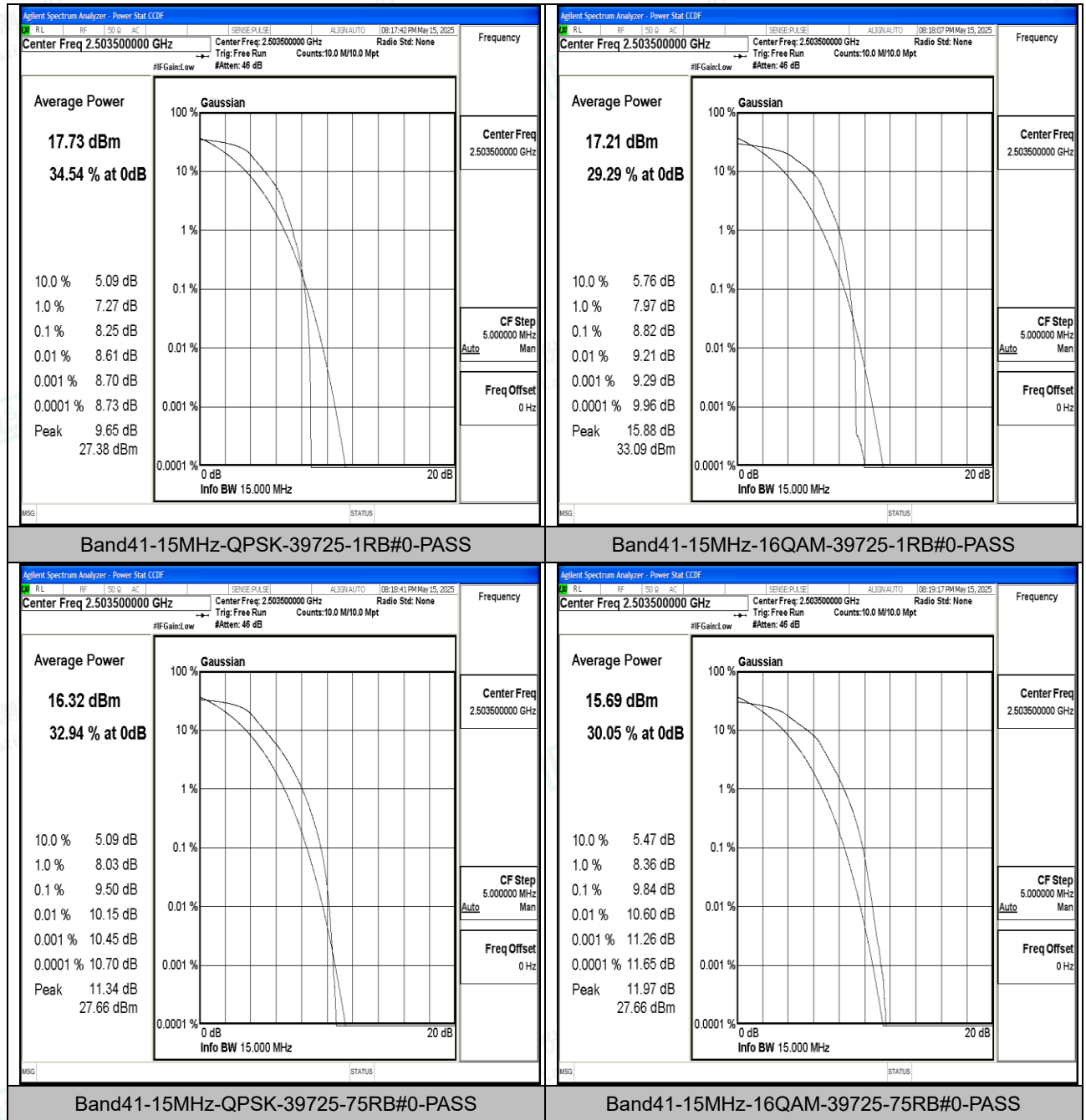


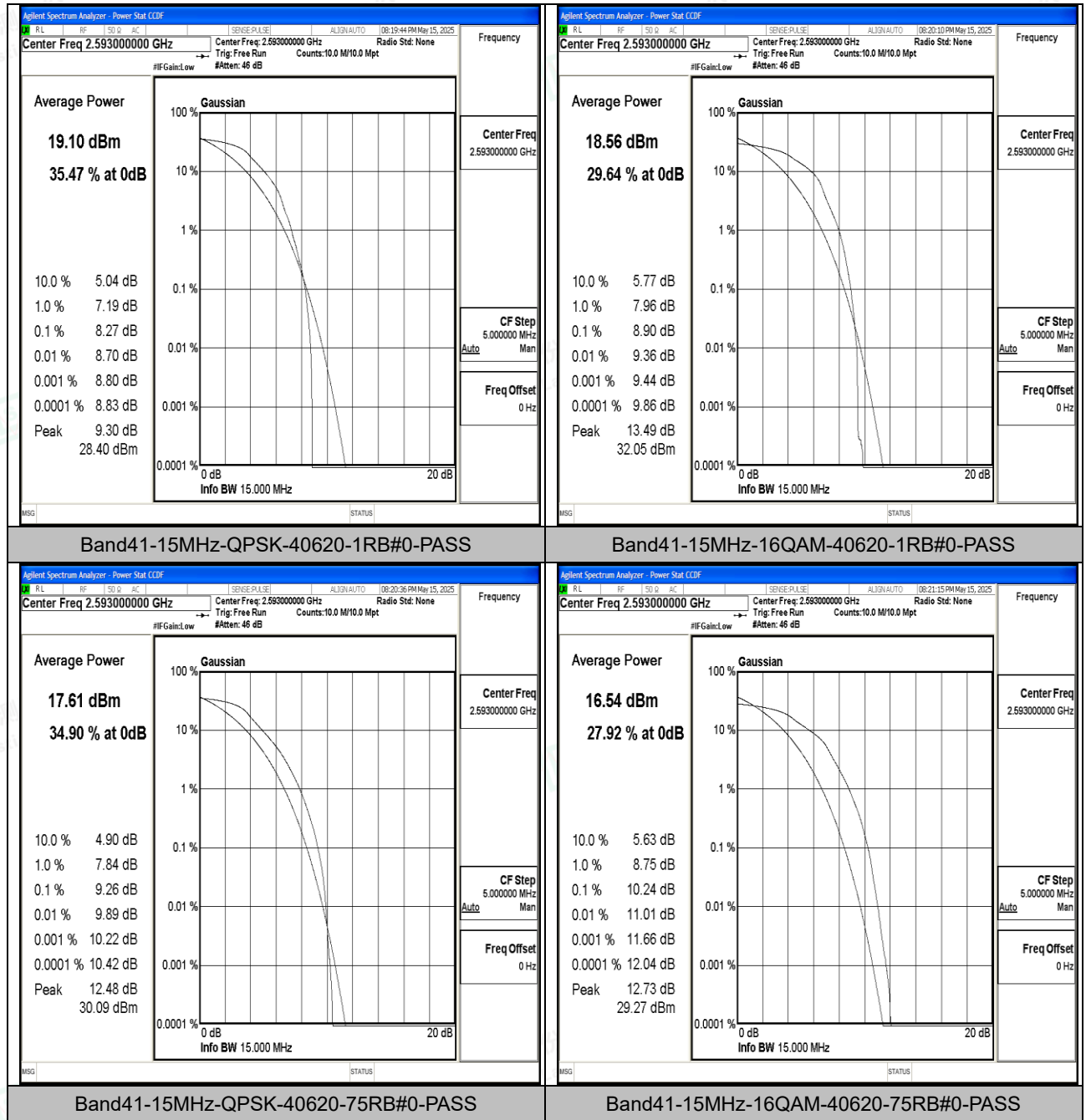


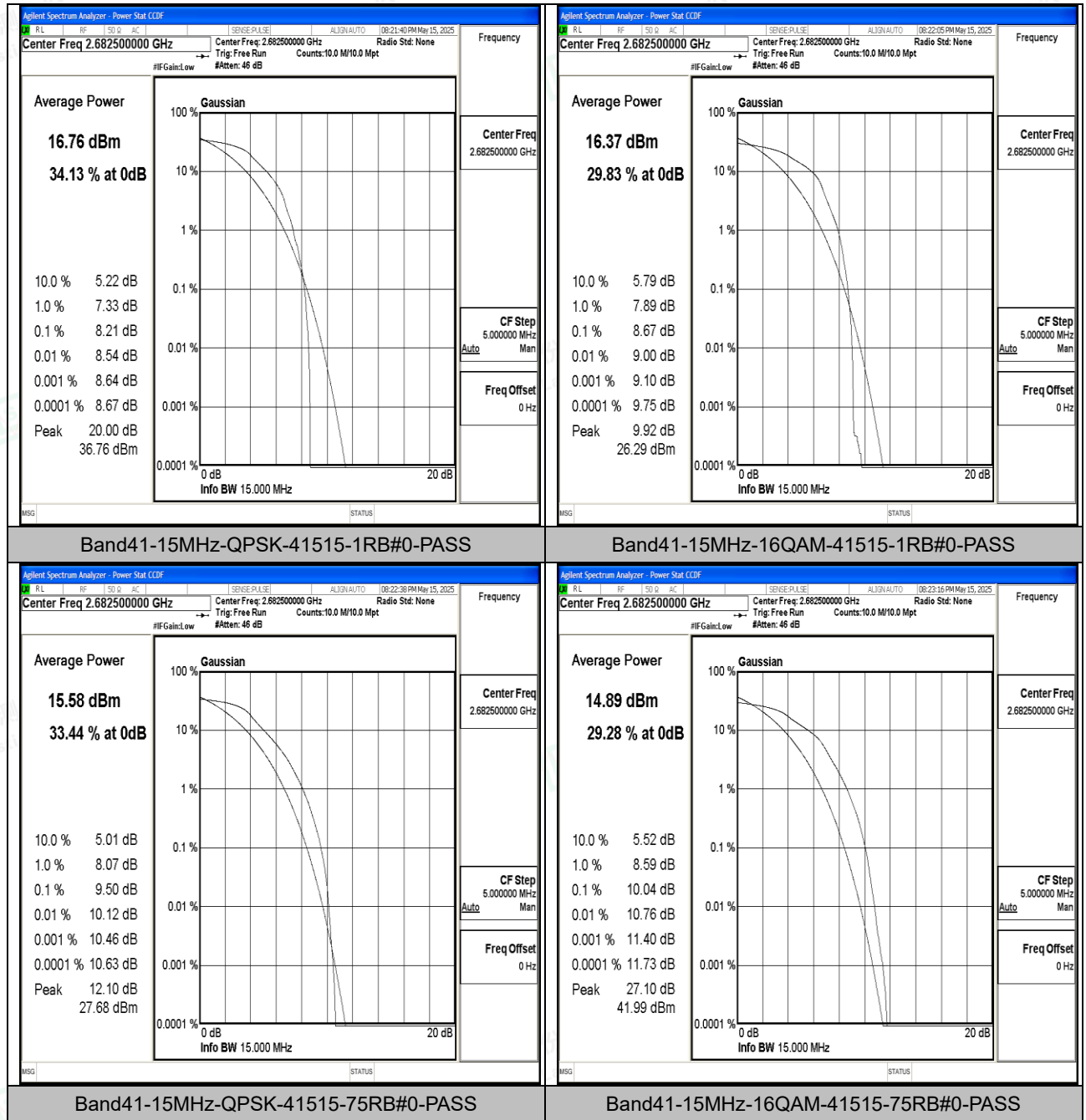


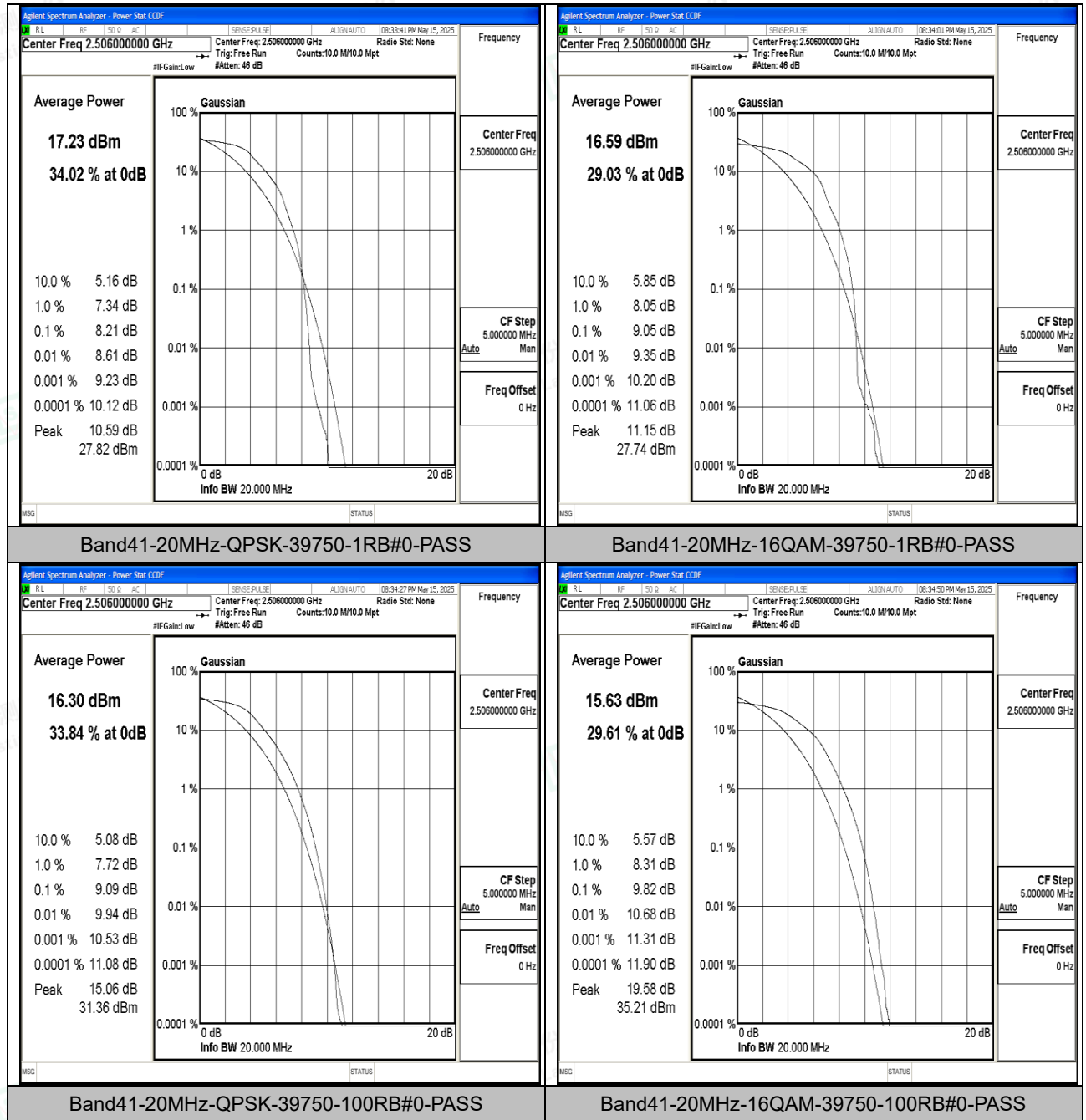


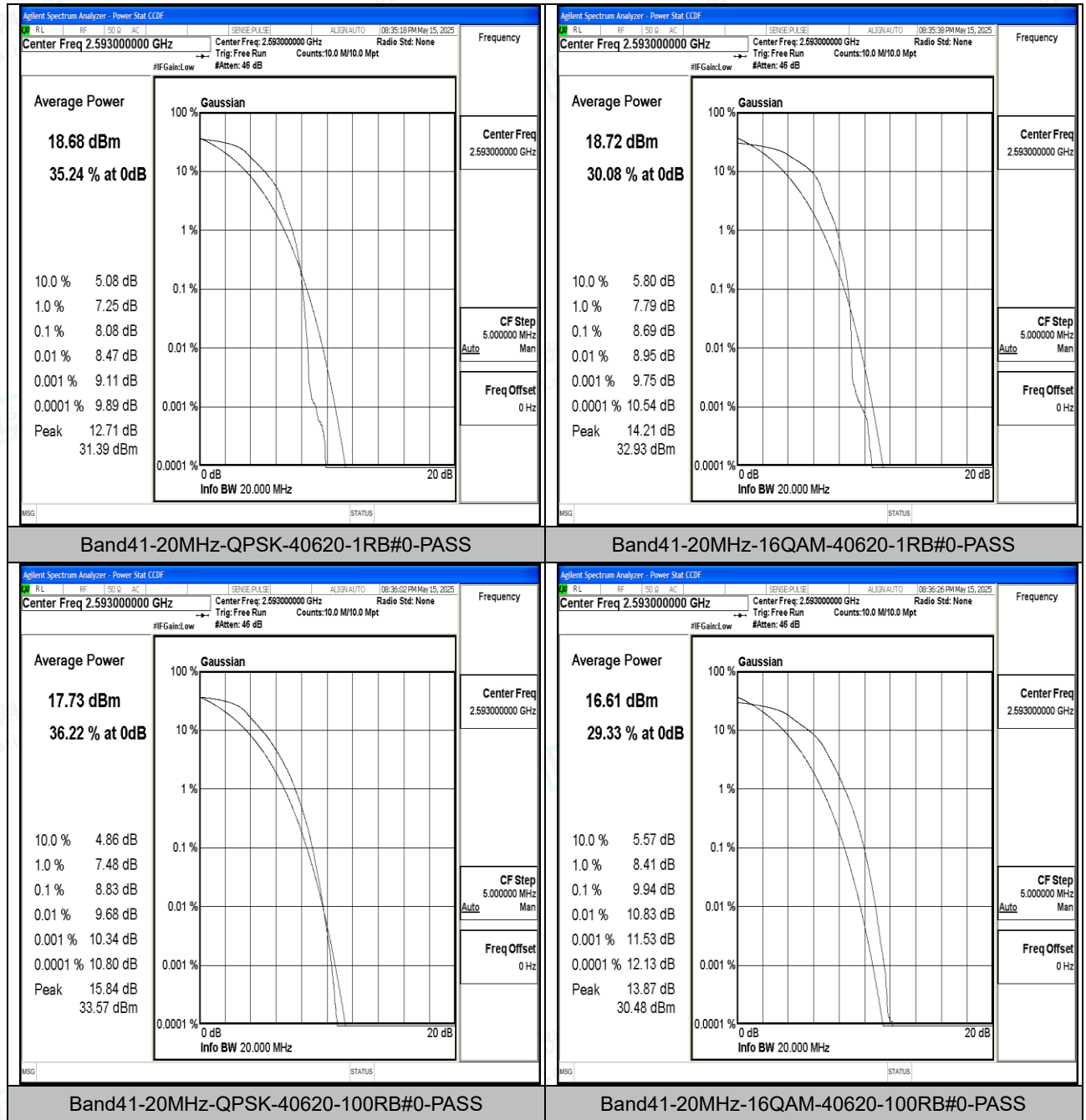


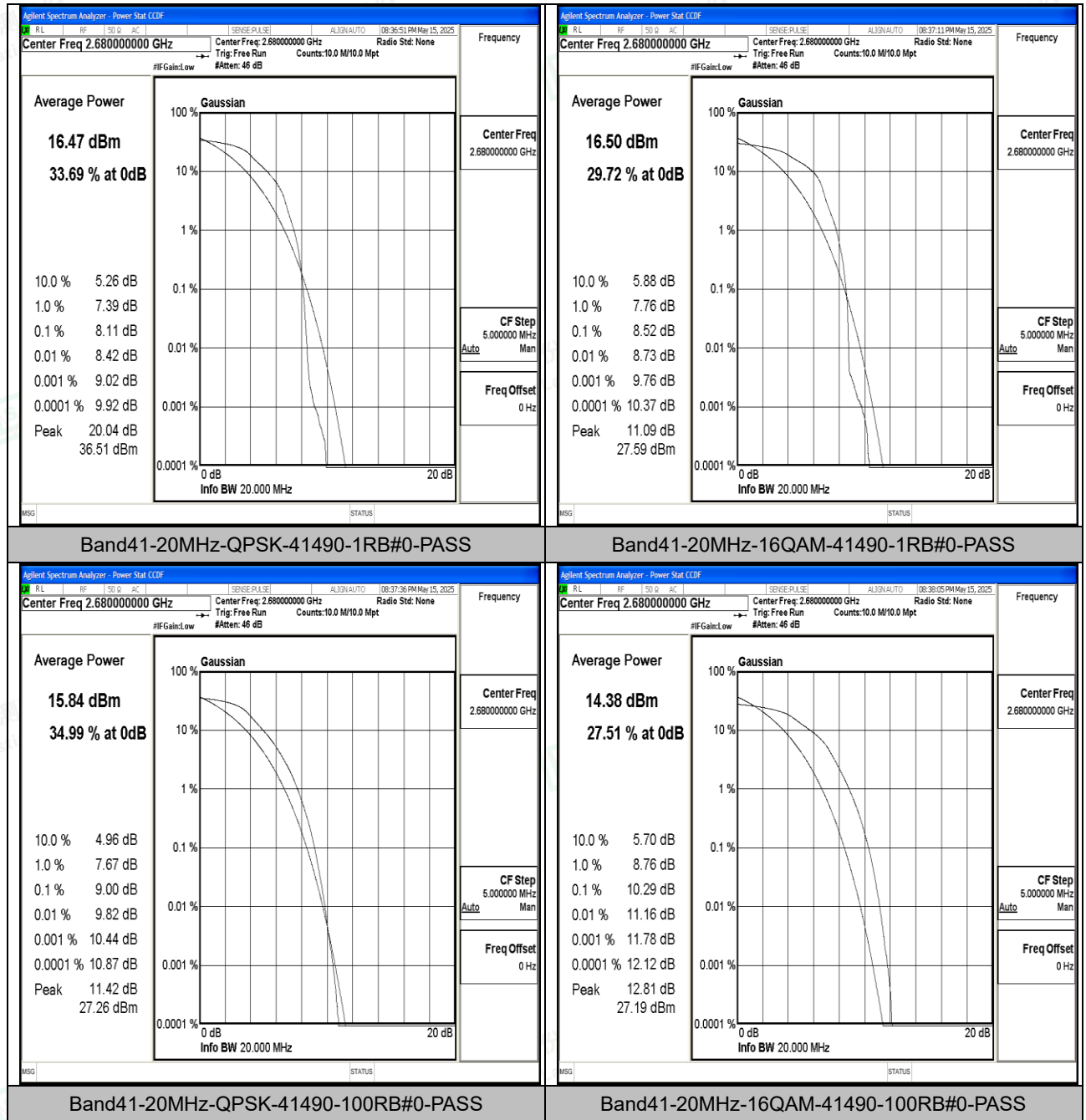














### C.3 26dB Bandwidth and Occupied Bandwidth

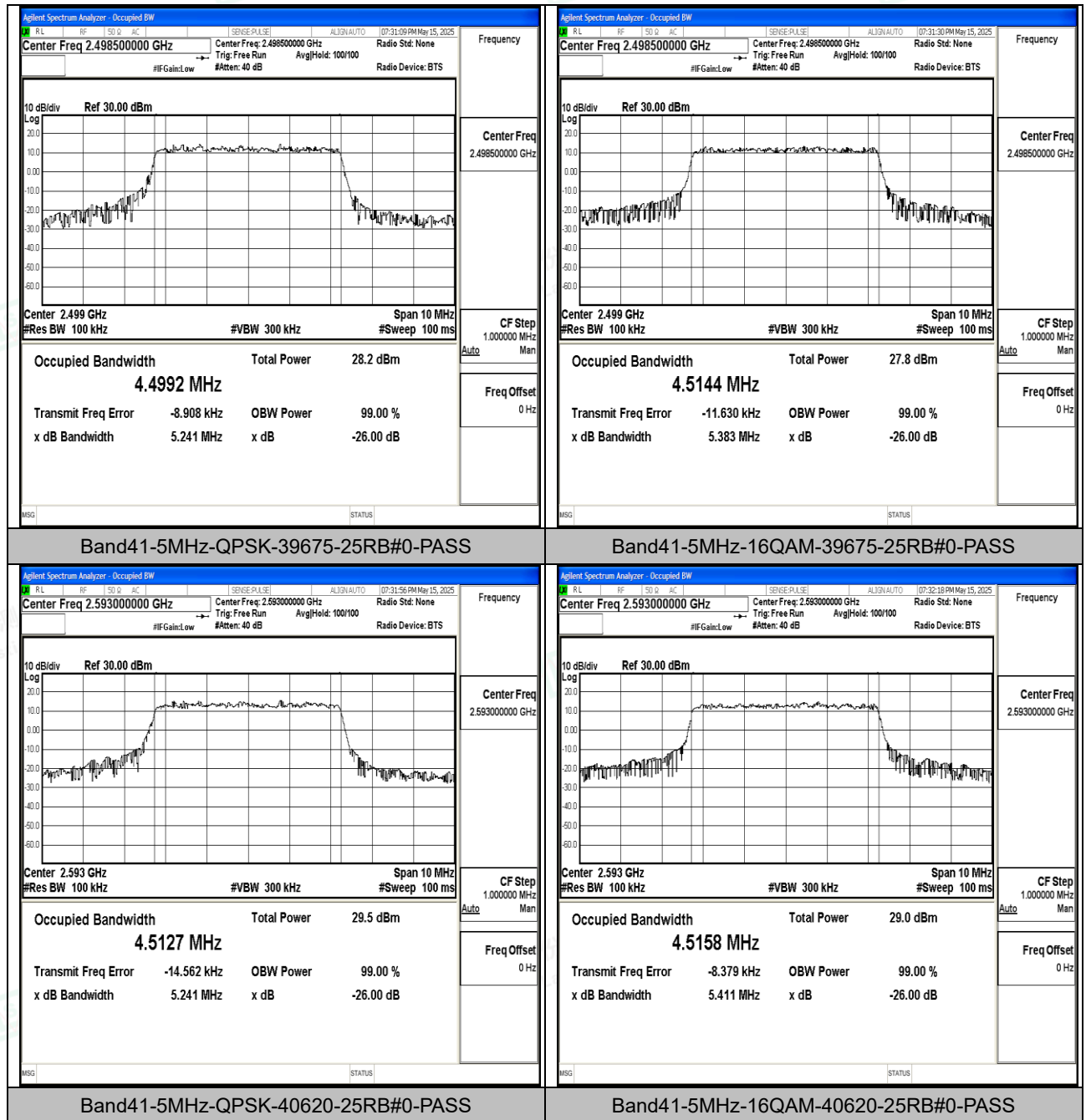
#### Test Result

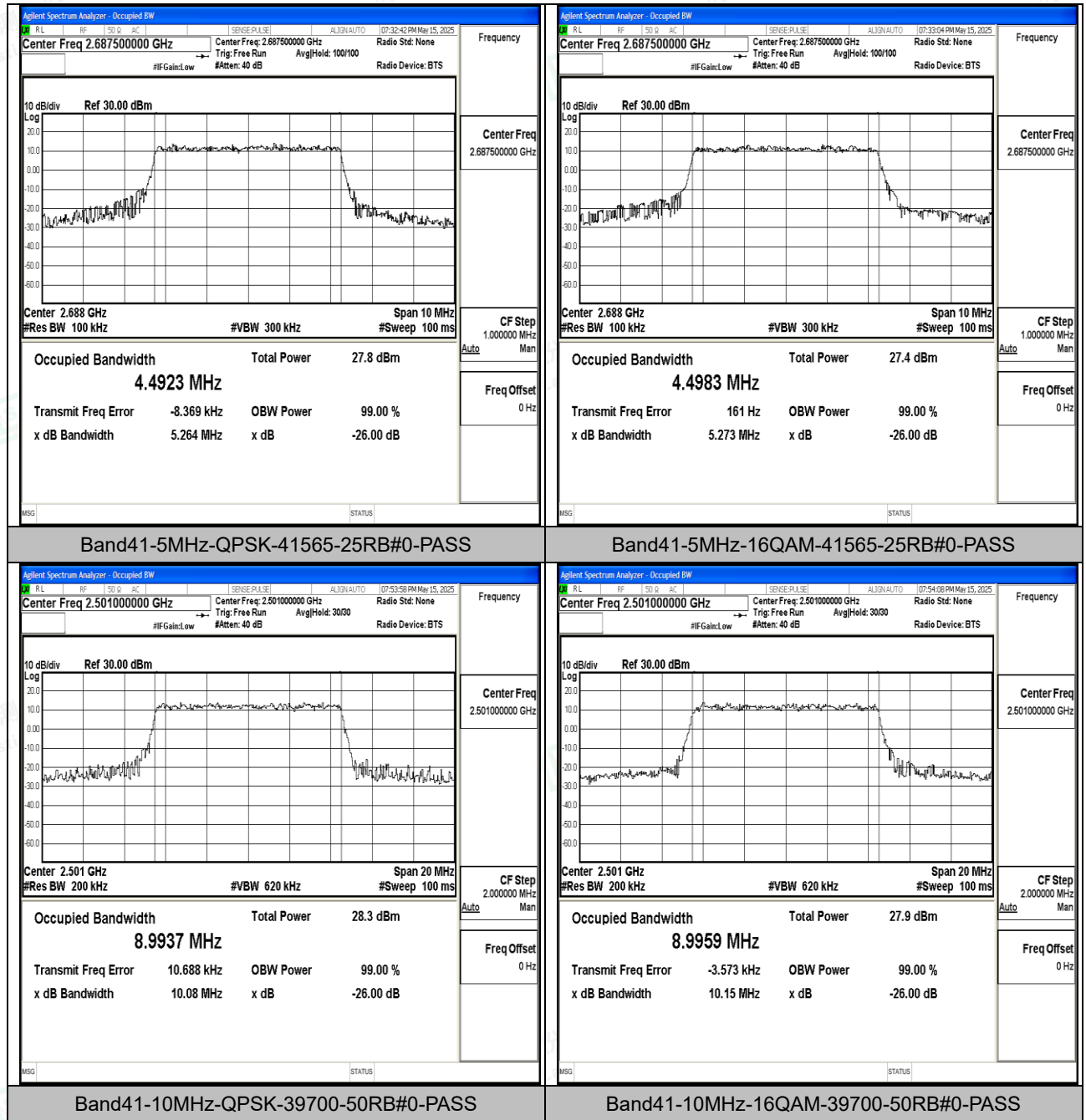
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 25RB#0           | 4.4992                   | 5.241                | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 25RB#0           | 4.5144                   | 5.383                | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 25RB#0           | 4.5127                   | 5.241                | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 25RB#0           | 4.5158                   | 5.411                | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 25RB#0           | 4.4923                   | 5.264                | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 25RB#0           | 4.4983                   | 5.273                | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 50RB#0           | 8.9937                   | 10.08                | PASS    |
| Band41 | 10MHz     | 16QAM      | 39700   | 50RB#0           | 8.9959                   | 10.15                | PASS    |
| Band41 | 10MHz     | QPSK       | 40620   | 50RB#0           | 8.9958                   | 10.10                | PASS    |
| Band41 | 10MHz     | 16QAM      | 40620   | 50RB#0           | 8.9667                   | 10.12                | PASS    |
| Band41 | 10MHz     | QPSK       | 41540   | 50RB#0           | 9.0056                   | 10.17                | PASS    |
| Band41 | 10MHz     | 16QAM      | 41540   | 50RB#0           | 8.9988                   | 10.67                | PASS    |
| Band41 | 15MHz     | QPSK       | 39725   | 75RB#0           | 13.521                   | 15.93                | PASS    |
| Band41 | 15MHz     | 16QAM      | 39725   | 75RB#0           | 13.537                   | 15.41                | PASS    |
| Band41 | 15MHz     | QPSK       | 40620   | 75RB#0           | 13.526                   | 15.80                | PASS    |
| Band41 | 15MHz     | 16QAM      | 40620   | 75RB#0           | 13.536                   | 14.89                | PASS    |
| Band41 | 15MHz     | QPSK       | 41515   | 75RB#0           | 13.486                   | 15.87                | PASS    |
| Band41 | 15MHz     | 16QAM      | 41515   | 75RB#0           | 13.463                   | 15.26                | PASS    |
| Band41 | 20MHz     | QPSK       | 39750   | 100RB#0          | 18.069                   | 20.39                | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | 100RB#0          | 18.024                   | 20.09                | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 100RB#0          | 18.003                   | 19.99                | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 100RB#0          | 17.978                   | 20.55                | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 100RB#0          | 18.041                   | 19.92                | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | 100RB#0          | 18.002                   | 20.09                | PASS    |

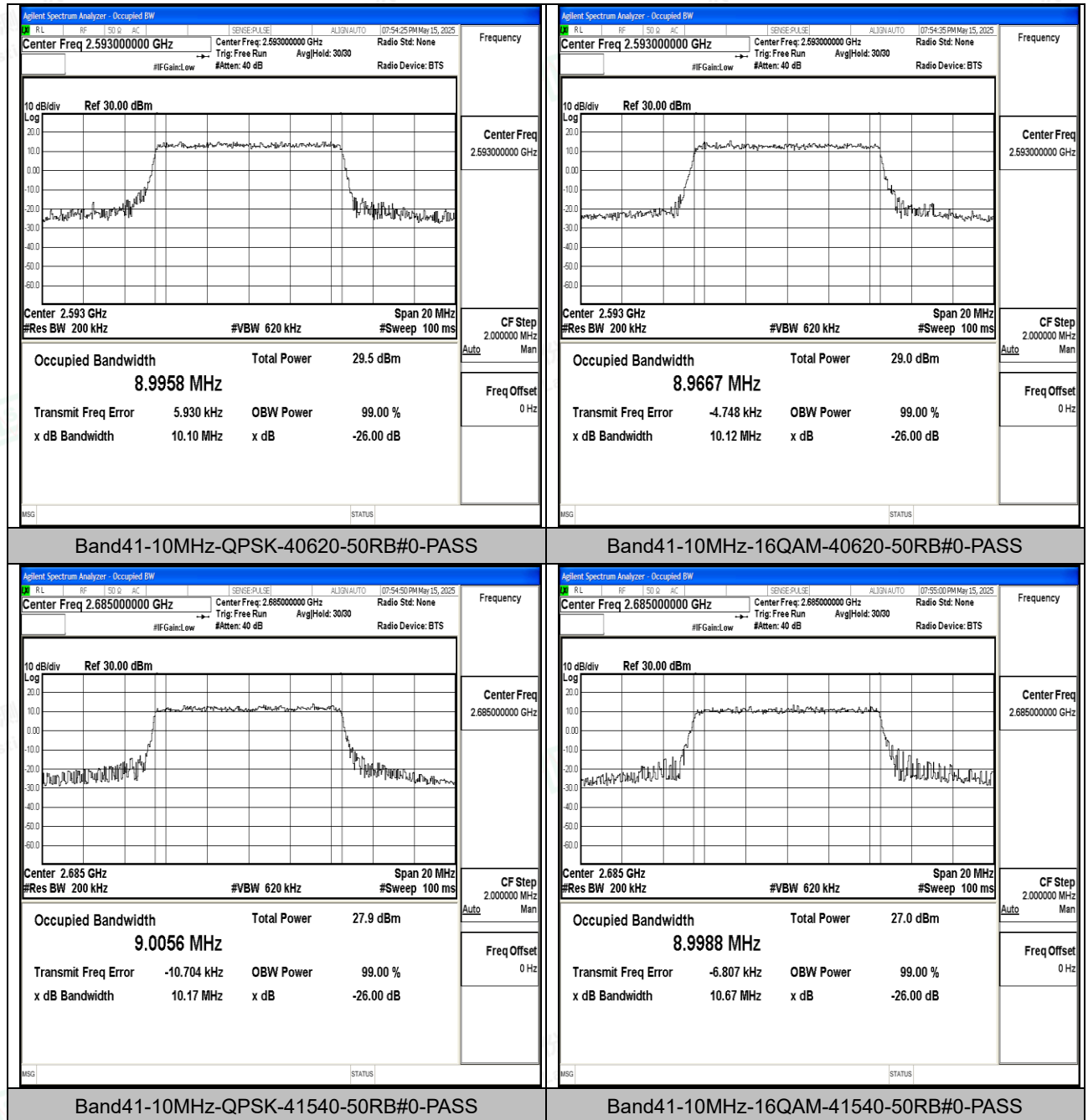


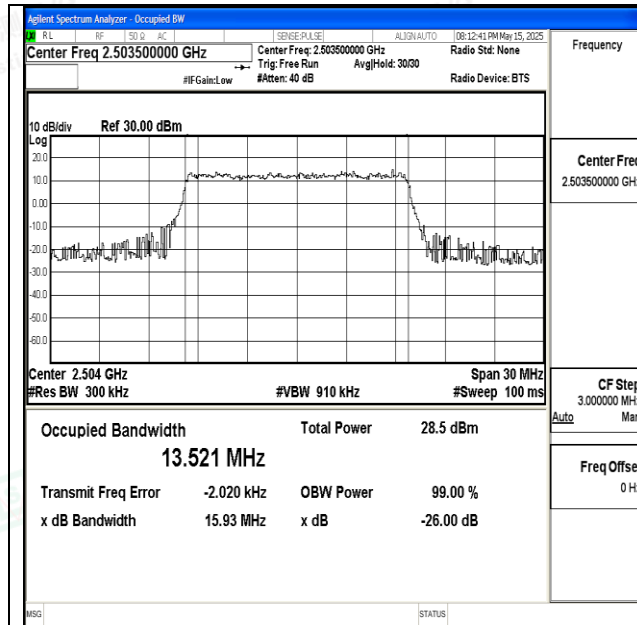


## Test Graphs

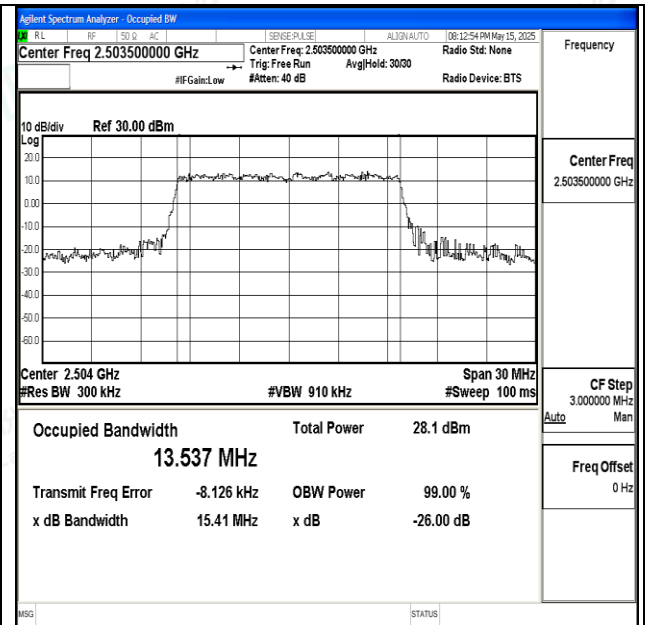




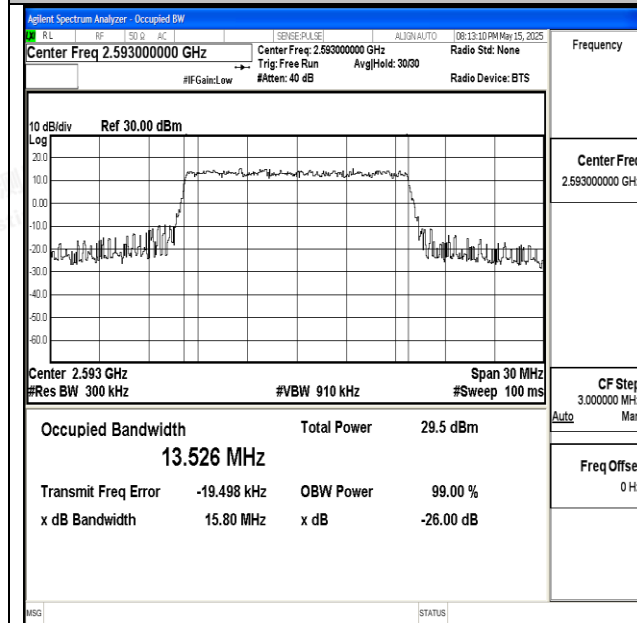




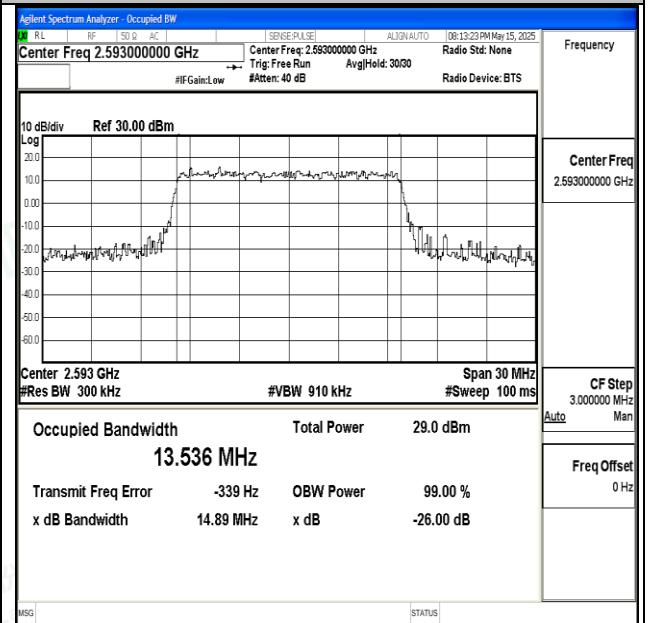
Band41-15MHz-QPSK-39725-75RB#0-PASS



Band41-15MHz-16QAM-39725-75RB#0-PASS

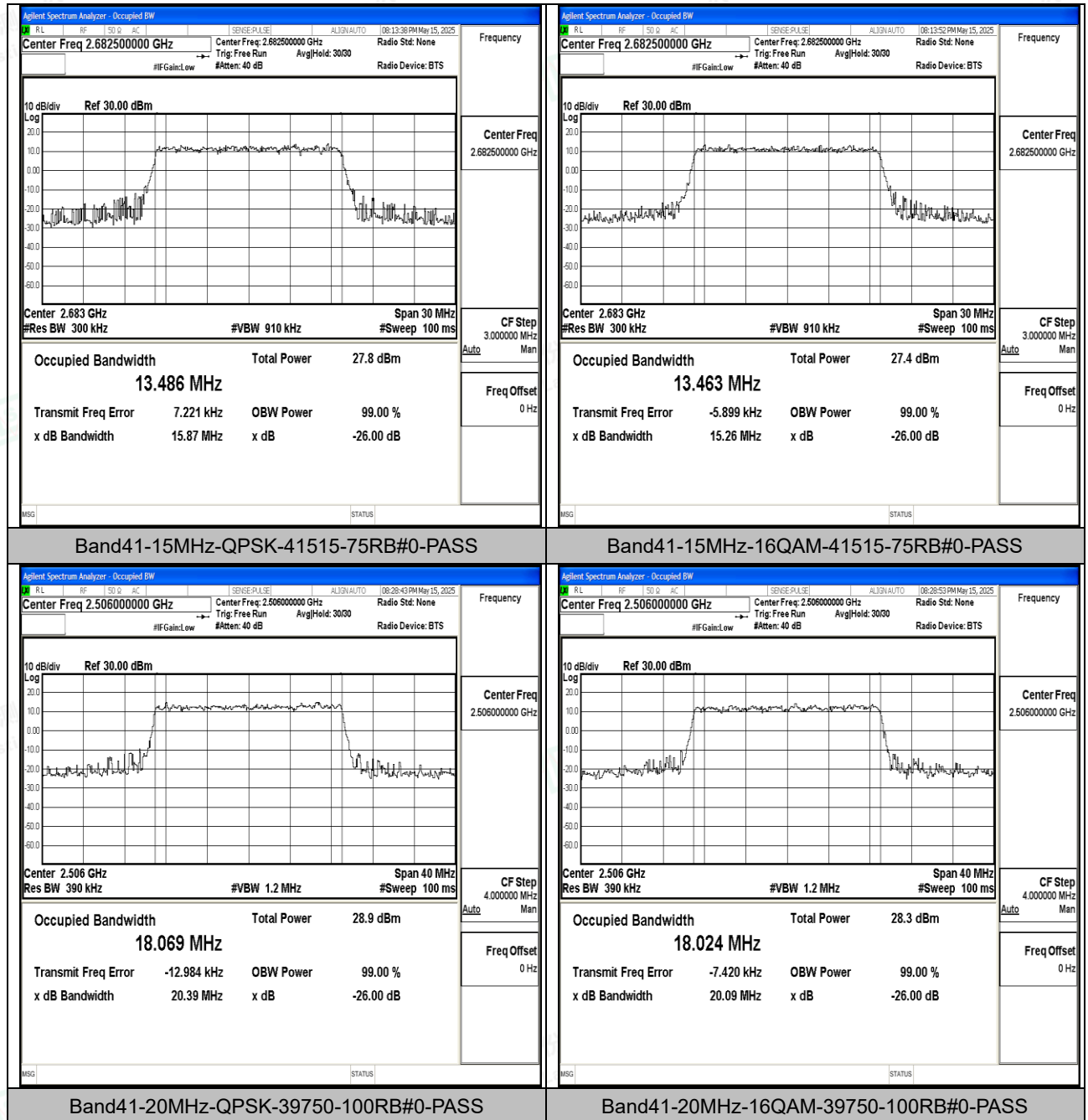


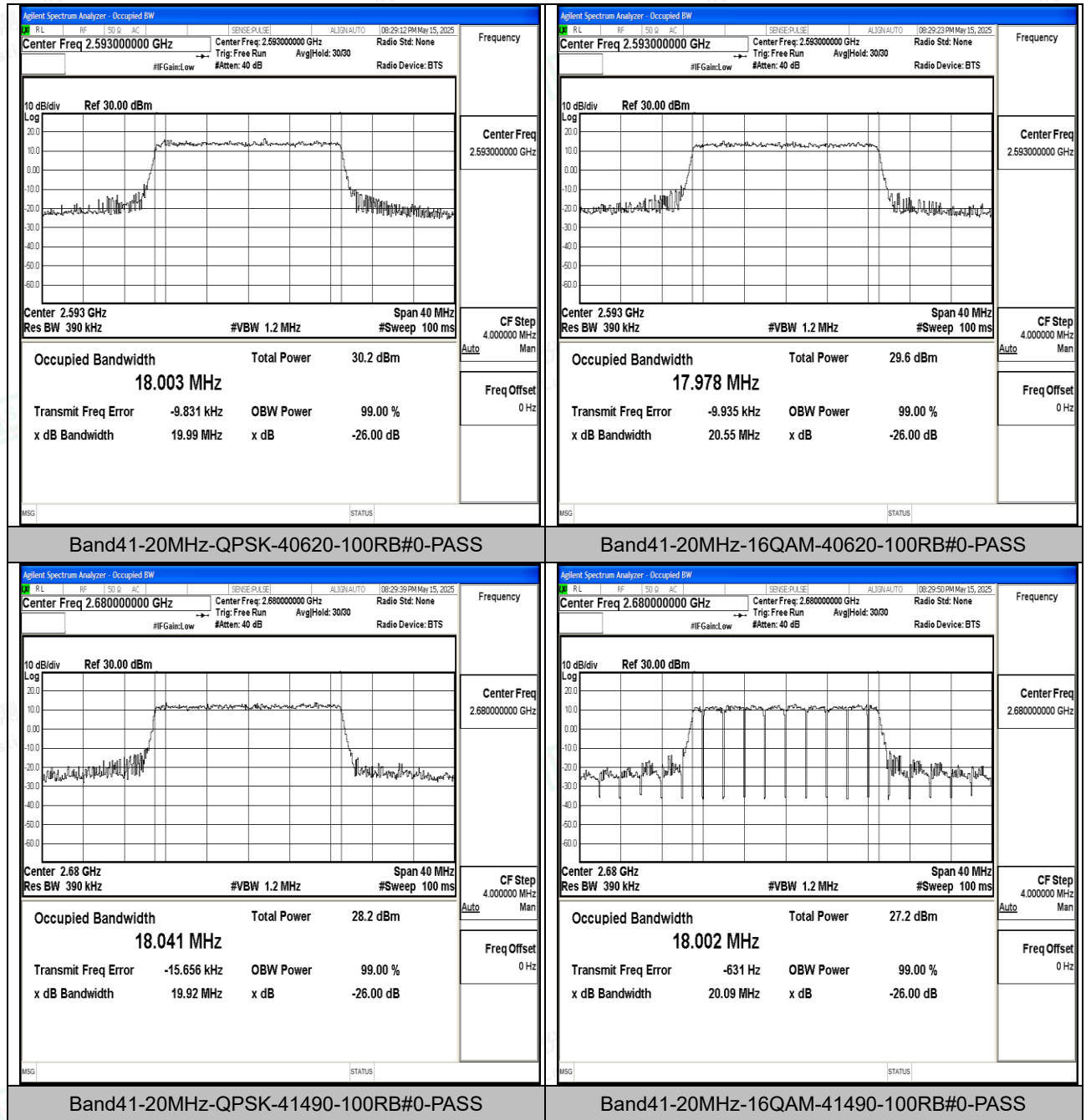
Band41-15MHz-QPSK-40620-75RB#0-PASS



Band41-15MHz-16QAM-40620-75RB#0-PASS







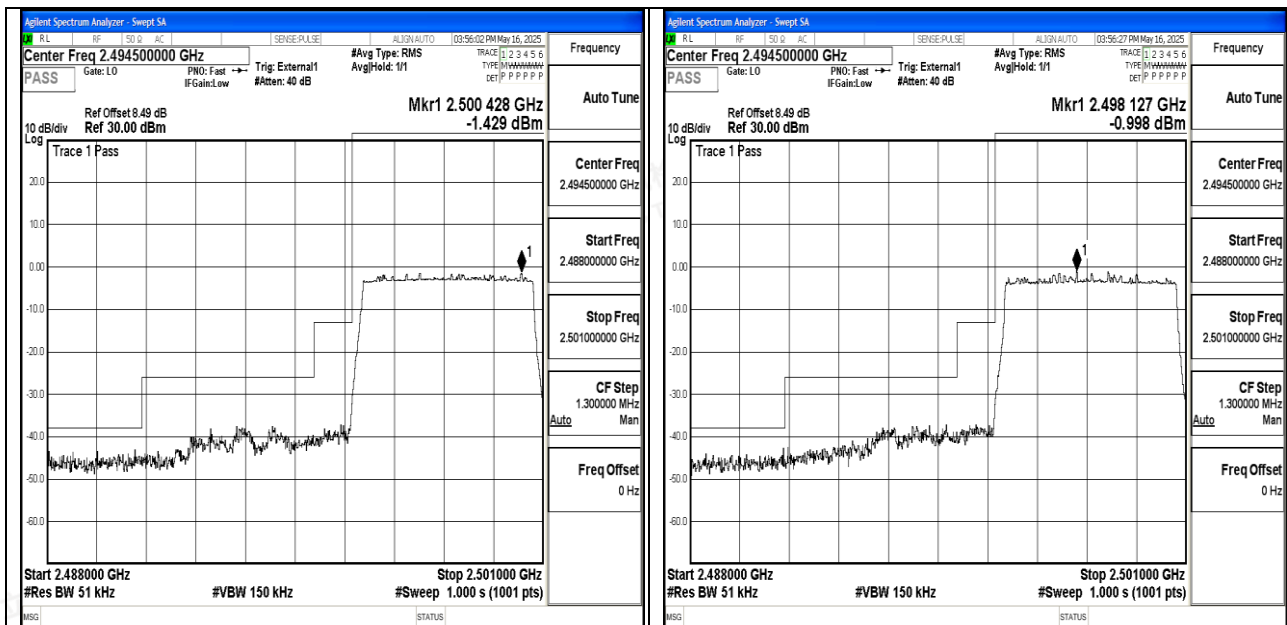


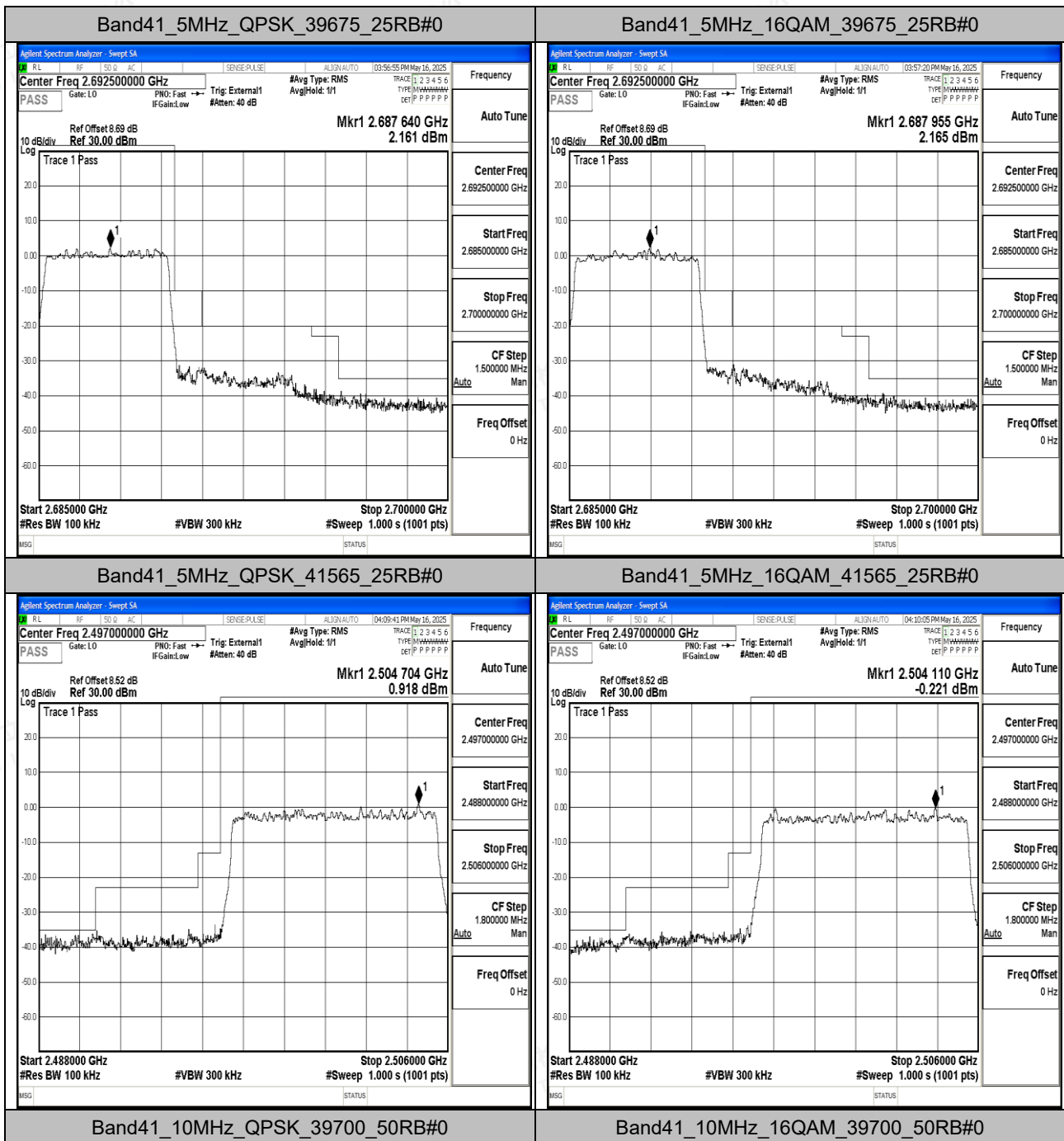
## C.4 Band Edge

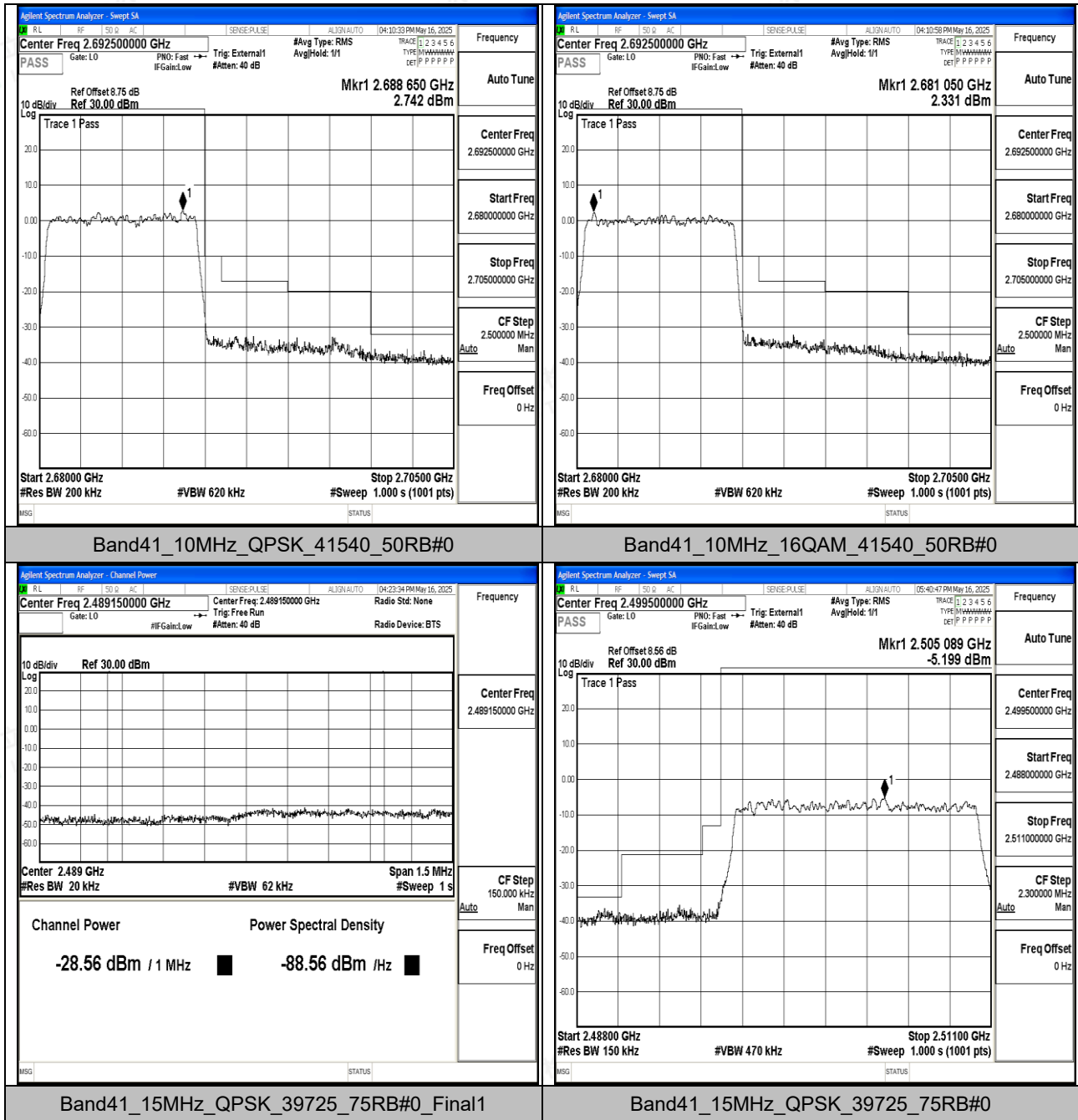
### Test Result

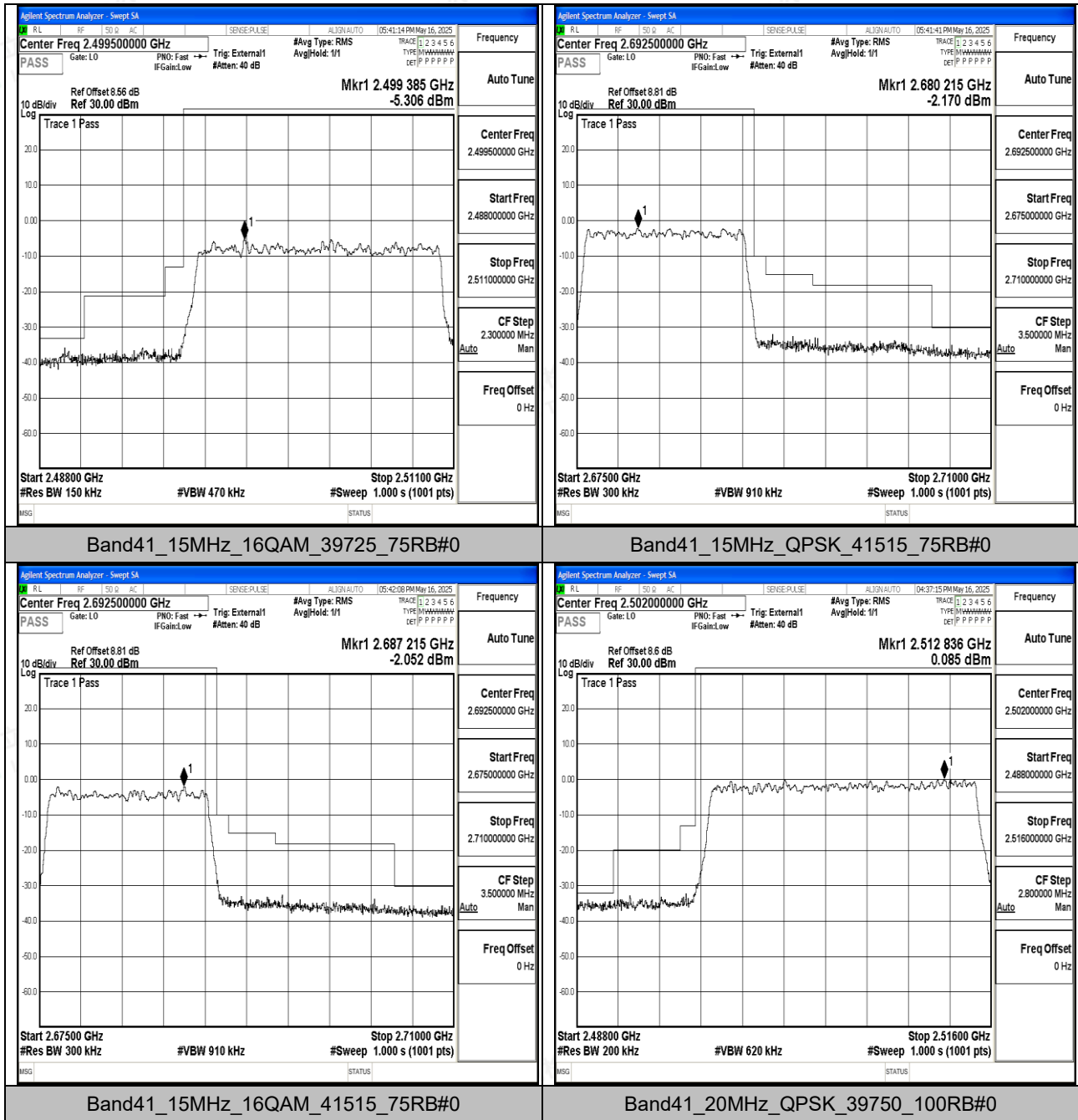
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict     |
|--------|-----------|------------|---------|------------------|-------------|-------------|
| Band41 | 5MHz      | QPSK       | 39675   | 25RB#0           | -43.06      | PASS        |
| Band41 | 5MHz      | 16QAM      | 39675   | 25RB#0           | -42.70      | PASS        |
| Band41 | 5MHz      | QPSK       | 41565   | 25RB#0           | -38.71      | PASS        |
| Band41 | 5MHz      | 16QAM      | 41565   | 25RB#0           | -39.20      | PASS        |
| Band41 | 10MHz     | QPSK       | 39700   | 50RB#0           | -36.15      | PASS        |
| Band41 | 10MHz     | 16QAM      | 39700   | 50RB#0           | -37.03      | PASS        |
| Band41 | 10MHz     | QPSK       | 41540   | 50RB#0           | -36.18      | PASS        |
| Band41 | 10MHz     | 16QAM      | 41540   | 50RB#0           | -36.78      | PASS        |
| Band41 | 15MHz     | QPSK       | 39725   | 75RB#0           | -28.56      | PASS_Final1 |
| Band41 | 15MHz     | QPSK       | 39725   | 75RB#0           | -36.41      | PASS        |
| Band41 | 15MHz     | 16QAM      | 39725   | 75RB#0           | -35.82      | PASS        |
| Band41 | 15MHz     | QPSK       | 41515   | 75RB#0           | -34.83      | PASS        |
| Band41 | 15MHz     | 16QAM      | 41515   | 75RB#0           | -35.65      | PASS        |
| Band41 | 20MHz     | QPSK       | 39750   | 100RB#0          | -33.86      | PASS        |
| Band41 | 20MHz     | 16QAM      | 39750   | 100RB#0          | -33.02      | PASS        |
| Band41 | 20MHz     | QPSK       | 41490   | 100RB#0          | -33.84      | PASS        |
| Band41 | 20MHz     | 16QAM      | 41490   | 100RB#0          | -33.83      | PASS        |

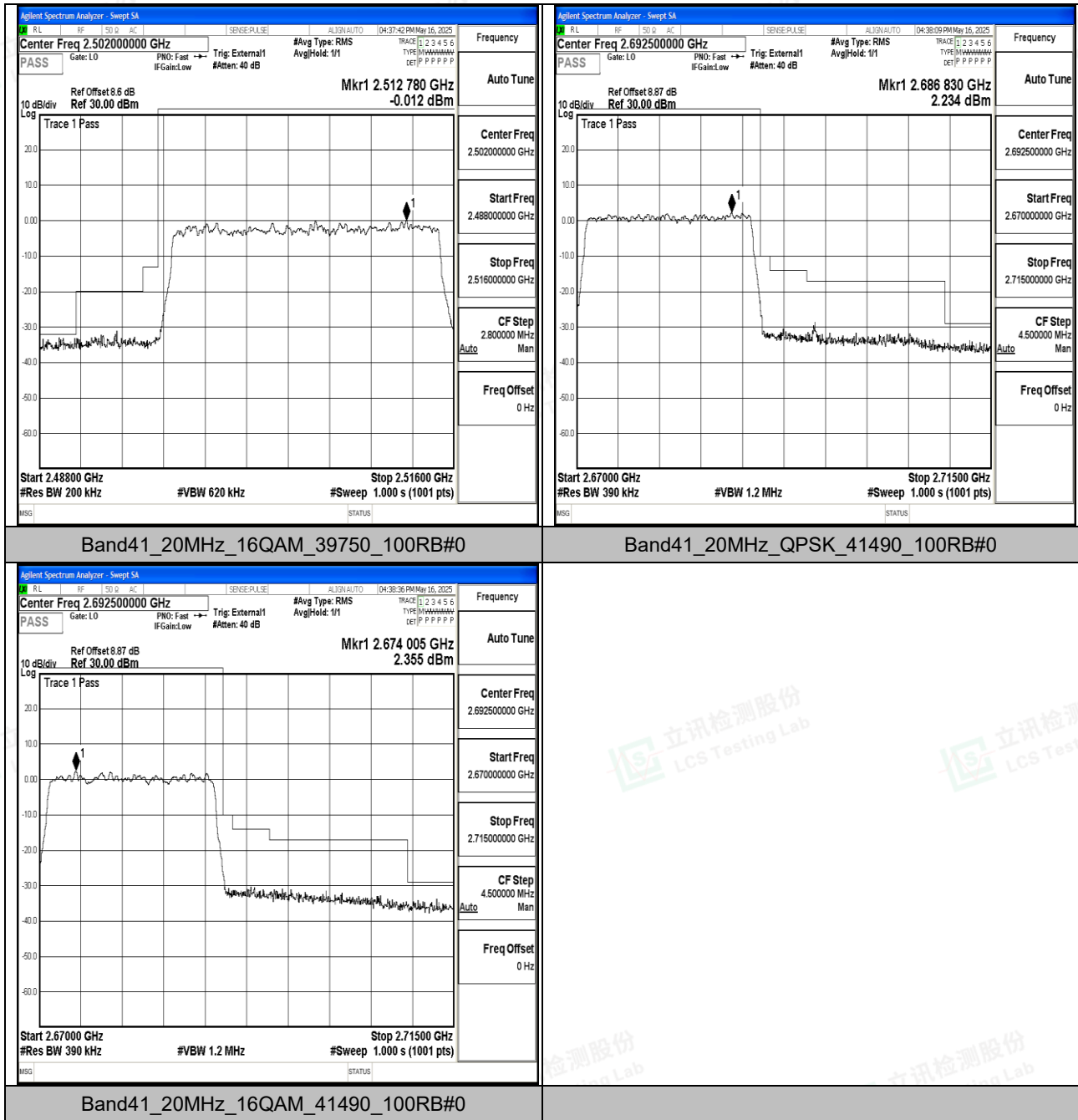
### Test Graphs













## C.5 Conducted Spurious Emission

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-----------------|--------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#0            | 0.009~0.15      | -65.62       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#0            | 0.15~30         | -63.04       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#0            | 30~1000         | -71.70       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#0            | 1000~20000      | -44.17       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#0            | 20000~27000     | -36.47       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#0            | 0.009~0.15      | -66.02       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#0            | 0.15~30         | -64.80       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#0            | 30~1000         | -72.33       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#0            | 1000~20000      | -44.47       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 1RB#0            | 20000~27000     | -36.45       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#0            | 0.009~0.15      | -65.75       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#0            | 0.15~30         | -61.09       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#0            | 30~1000         | -59.85       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#0            | 1000~20000      | -44.84       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#0            | 20000~27000     | -36.20       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 1RB#0            | 0.009~0.15      | -64.61       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 1RB#0            | 0.15~30         | -63.82       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 1RB#0            | 30~1000         | -58.28       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 1RB#0            | 1000~20000      | -44.60       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 1RB#0            | 20000~27000     | -36.13       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#0            | 0.009~0.15      | -64.53       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#0            | 0.15~30         | -64.31       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#0            | 30~1000         | -65.94       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#0            | 1000~20000      | -44.79       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#0            | 20000~27000     | -35.82       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 1RB#0            | 0.009~0.15      | -65.82       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 1RB#0            | 0.15~30         | -63.82       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 1RB#0            | 30~1000         | -65.54       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 1RB#0            | 1000~20000      | -43.99       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 1RB#0            | 20000~27000     | -35.74       | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 1RB#0            | 0.009~0.15      | -63.92       | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 1RB#0            | 0.15~30         | -64.86       | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 1RB#0            | 30~1000         | -72.78       | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 1RB#0            | 1000~20000      | -44.17       | PASS    |



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



|        |       |       |       |       |             |        |      |
|--------|-------|-------|-------|-------|-------------|--------|------|
| Band41 | 10MHz | QPSK  | 39700 | 1RB#0 | 20000~27000 | -35.81 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | 0.009~0.15  | -66.19 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | 0.15~30     | -60.84 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | 30~1000     | -72.45 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | 1000~20000  | -44.77 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | 20000~27000 | -35.65 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#0 | 0.009~0.15  | -65.77 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#0 | 0.15~30     | -64.03 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#0 | 30~1000     | -72.60 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#0 | 1000~20000  | -44.98 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#0 | 20000~27000 | -36.38 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0 | 0.009~0.15  | -66.27 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0 | 0.15~30     | -64.88 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0 | 30~1000     | -72.50 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0 | 1000~20000  | -44.57 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0 | 20000~27000 | -36.05 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#0 | 0.009~0.15  | -65.23 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#0 | 0.15~30     | -68.16 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#0 | 30~1000     | -65.65 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#0 | 1000~20000  | -44.72 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#0 | 20000~27000 | -35.66 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | 0.009~0.15  | -66.95 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | 0.15~30     | -63.81 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | 30~1000     | -62.33 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | 1000~20000  | -44.46 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | 20000~27000 | -35.98 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#0 | 0.009~0.15  | -65.38 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#0 | 0.15~30     | -67.12 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#0 | 30~1000     | -71.24 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#0 | 1000~20000  | -44.39 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#0 | 20000~27000 | -35.89 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | 0.009~0.15  | -64.63 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | 0.15~30     | -63.67 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | 30~1000     | -72.36 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | 1000~20000  | -44.62 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | 20000~27000 | -35.54 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#0 | 0.009~0.15  | -66.66 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#0 | 0.15~30     | -66.49 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#0 | 30~1000     | -72.59 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#0 | 1000~20000  | -44.24 | PASS |



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



|        |       |       |       |       |             |        |      |
|--------|-------|-------|-------|-------|-------------|--------|------|
| Band41 | 15MHz | QPSK  | 40620 | 1RB#0 | 20000~27000 | -36.17 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0 | 0.009~0.15  | -65.14 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0 | 0.15~30     | -65.92 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0 | 30~1000     | -71.07 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0 | 1000~20000  | -44.55 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0 | 20000~27000 | -36.35 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#0 | 0.009~0.15  | -62.62 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#0 | 0.15~30     | -66.93 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#0 | 30~1000     | -64.41 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#0 | 1000~20000  | -44.36 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#0 | 20000~27000 | -36.36 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | 0.009~0.15  | -65.16 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | 0.15~30     | -64.05 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | 30~1000     | -65.28 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | 1000~20000  | -44.04 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | 20000~27000 | -35.82 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#0 | 0.009~0.15  | -65.50 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#0 | 0.15~30     | -62.25 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#0 | 30~1000     | -73.26 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#0 | 1000~20000  | -44.54 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#0 | 20000~27000 | -36.11 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | 0.009~0.15  | -66.18 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | 0.15~30     | -66.79 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | 30~1000     | -72.39 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | 1000~20000  | -44.20 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | 20000~27000 | -36.31 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#0 | 0.009~0.15  | -65.18 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#0 | 0.15~30     | -68.22 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#0 | 30~1000     | -72.89 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#0 | 1000~20000  | -43.78 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#0 | 20000~27000 | -35.93 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0 | 0.009~0.15  | -64.46 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0 | 0.15~30     | -67.14 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0 | 30~1000     | -72.84 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0 | 1000~20000  | -43.53 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0 | 20000~27000 | -36.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#0 | 0.009~0.15  | -63.21 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#0 | 0.15~30     | -64.84 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#0 | 30~1000     | -65.45 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#0 | 1000~20000  | -44.41 | PASS |



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity