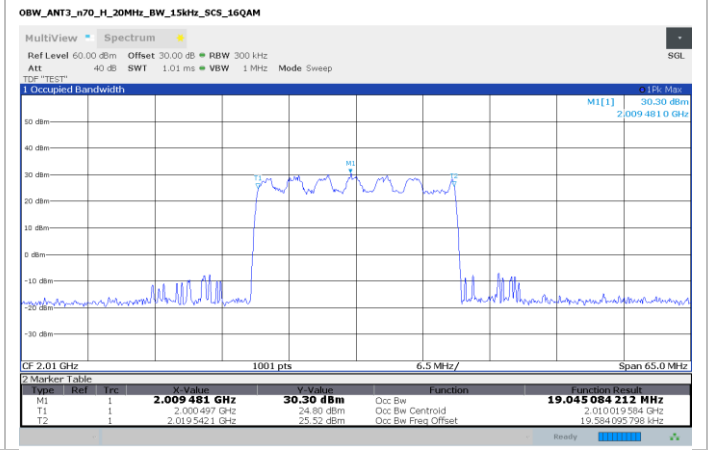
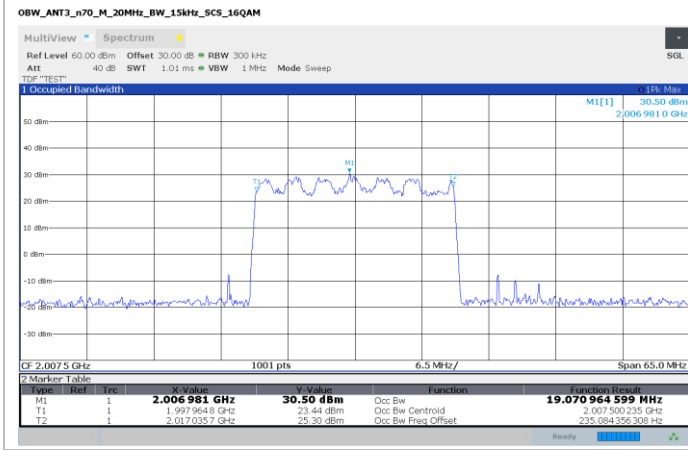
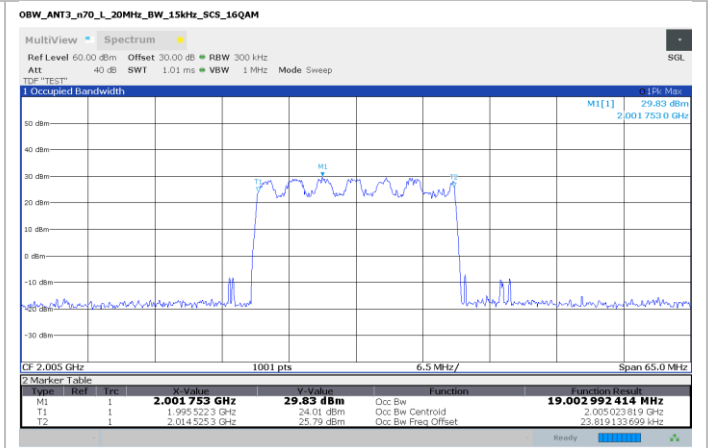
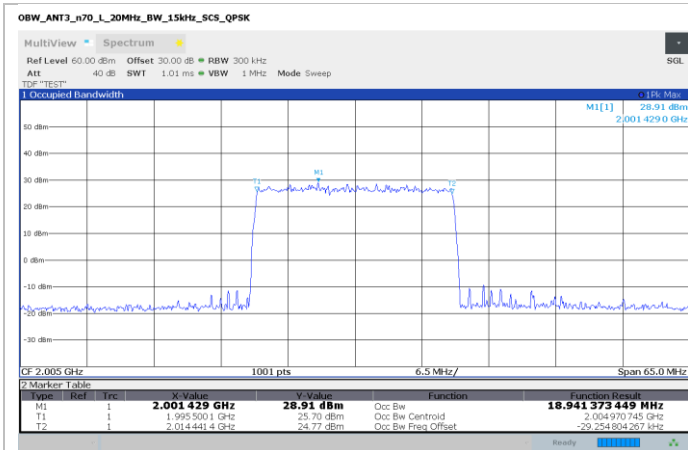


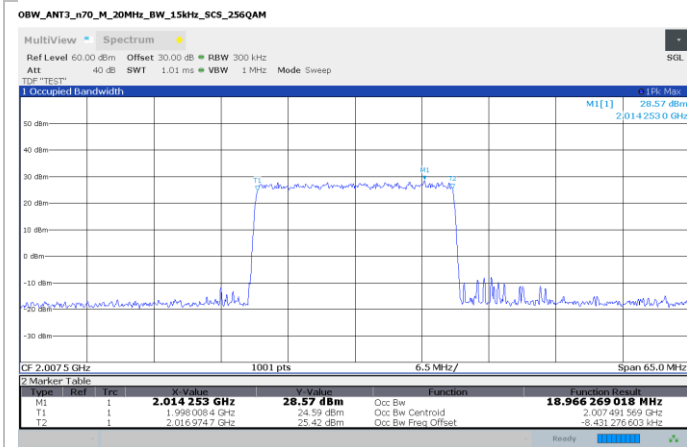
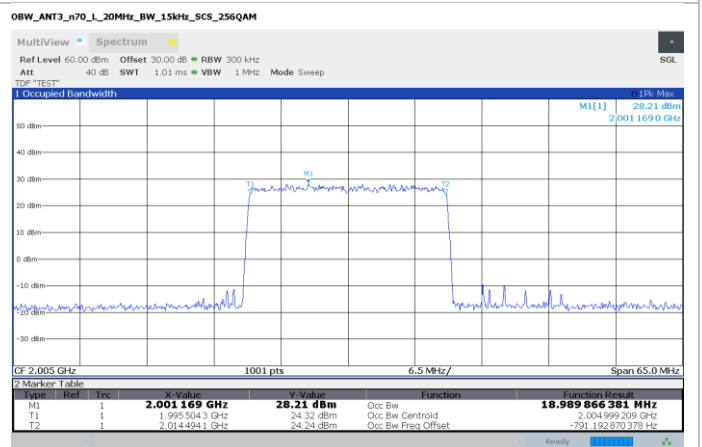
Band n70

20 MHz



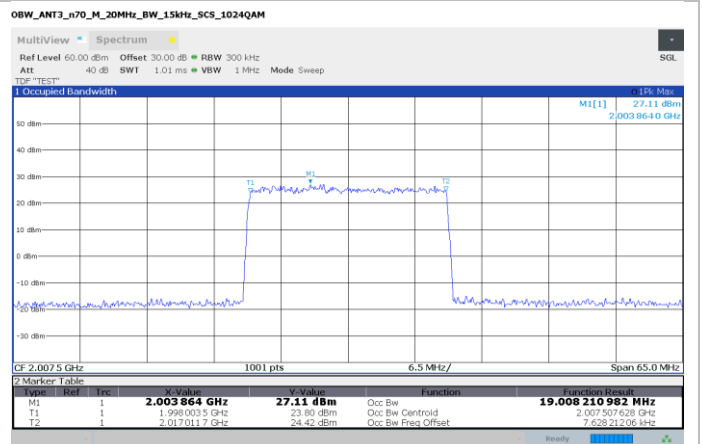
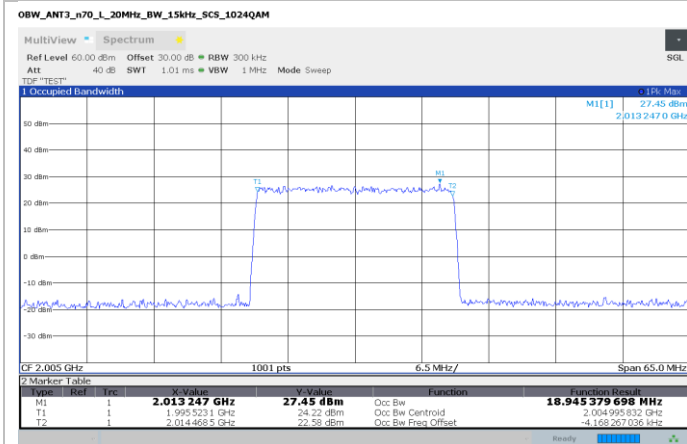
**Section 8**  
**Test name**  
**Specification**

Testing data  
 FCC §2.1049(h) 99% Occupied Bandwidth  
 FCC Part 27



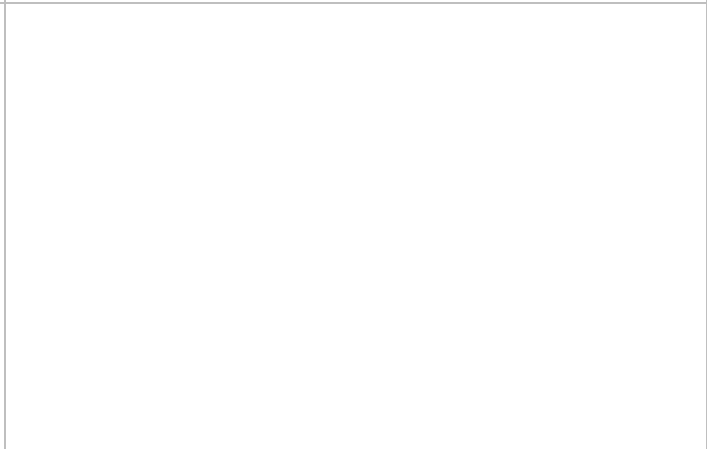
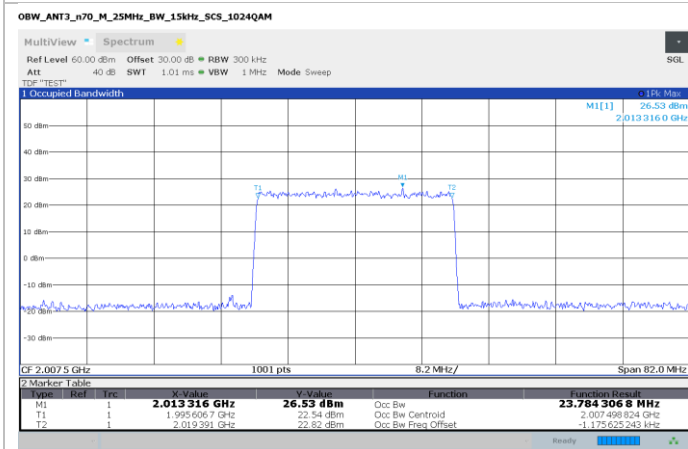
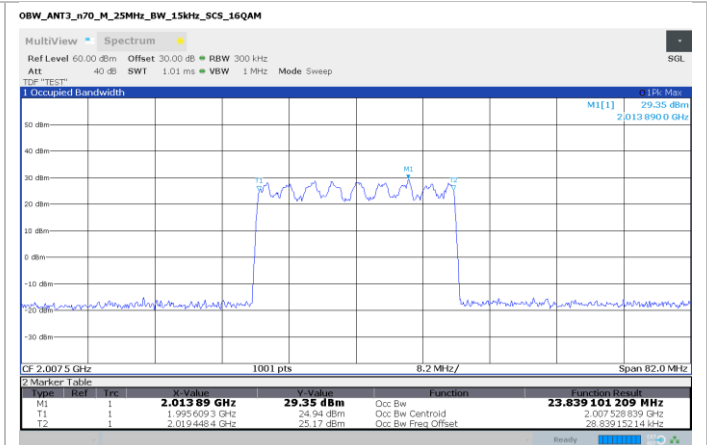
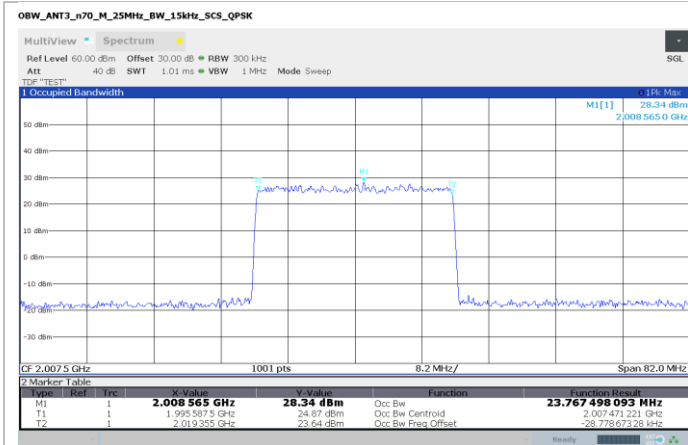
**Section 8**  
**Test name**  
**Specification**

Testing data  
 FCC §2.1049(h) 99% Occupied Bandwidth  
 FCC Part 27



Band n70

25 MHz



### 8.3 FCC §27.53 (h)(3) 26 dB Occupied Bandwidth

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#### 8.3.1 Definitions and limits

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(3) Measurement procedure. (i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

#### 8.3.2 Test summary

---

|               |                                 |                   |           |
|---------------|---------------------------------|-------------------|-----------|
| Test date     | July 15, 2022                   | Temperature       | 22 °C     |
| Test engineer | Lan Sayasane, EMC Test Engineer | Air pressure      | 1001 mbar |
| Verdict       | Pass                            | Relative humidity | 62%       |

#### 8.3.3 Observations, settings and special notes

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Selection of Port D (Band n66) and Port C (Band n70) was according to section 8.3.4 of this document.

Test method: ANSI C63.26 Section 5.4.4

Spectrum analyzer settings:

|                      |             |
|----------------------|-------------|
| Resolution bandwidth | 1% - 5% OBW |
| Video bandwidth      | 3*RBW       |
| Frequency span       | 2*OBW       |
| Detector mode        | Peak        |
| Trace mode           | Max Hold    |

8.3.4 Test data

Band n66:

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW (MHz) |
|------|--------------|------|---------------|-----------------|
| n66  | 5 MHz        | D    | 2112.5        | 4.857           |
| n66  | 5 MHz        | D    | 2155          | 4.84            |
| n66  | 5 MHz        | D    | 2197.5        | 4.857           |

*Table 8.3-1: 26 dB Occupied bandwidth, QPSK Modulation, 5 MHz*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 5 MHz        | D    | 2112.5        | 4.84      |
| n66  | 5 MHz        | D    | 2155          | 4.84      |
| n66  | 5 MHz        | D    | 2197.5        | 4.806     |

*Table 8.3-2: 26 dB Occupied bandwidth, 16QAM Modulation, 5 MHz*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 5 MHz        | D    | 2112.5        | 4.857     |
| n66  | 5 MHz        | D    | 2155          | 4.857     |
| n66  | 5 MHz        | D    | 2197.5        | 4.874     |

*Table 8.3-3: 26 dB Occupied bandwidth, 64QAM Modulation, 5 MHz*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 5 MHz        | D    | 2112.5        | 4.84      |
| n66  | 5 MHz        | D    | 2155          | 4.823     |
| n66  | 5 MHz        | D    | 2197.5        | 4.84      |

*Table 8.3-4: 26 dB Occupied bandwidth, 256QAM Modulation, 5 MHz*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 5 MHz        | D    | 2112.5        | 4.874     |
| n66  | 5 MHz        | D    | 2155          | 4.84      |
| n66  | 5 MHz        | D    | 2197.5        | 4.857     |

*Table 8.3-5: 26 dB Occupied bandwidth, 1024QAM Modulation, 5 MHz*



| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW (MHz) |
|------|--------------|------|---------------|-----------------|
| n66  | 10 MHz       | D    | 2115          | 9.89            |
| n66  | 10 MHz       | D    | 2155          | 9.923           |
| n66  | 10 MHz       | D    | 2195          | 9.989           |

**Table 8.3-6:** 26 dB Occupied bandwidth, QPSK Modulation, 10 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 10 MHz       | D    | 2115          | 9.824     |
| n66  | 10 MHz       | D    | 2155          | 9.89      |
| n66  | 10 MHz       | D    | 2195          | 9.824     |

**Table 8.3-7:** 26 dB Occupied bandwidth, 16QAM Modulation, 10 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 10 MHz       | D    | 2115          | 9.923     |
| n66  | 10 MHz       | D    | 2155          | 9.956     |
| n66  | 10 MHz       | D    | 2195          | 9.89      |

**Table 8.3-8:** 26 dB Occupied bandwidth, 64QAM Modulation, 10 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 10 MHz       | D    | 2115          | 9.956     |
| n66  | 10 MHz       | D    | 2155          | 9.956     |
| n66  | 10 MHz       | D    | 2195          | 9.923     |

**Table 8.3-9:** 26 dB Occupied bandwidth, 256QAM Modulation, 10 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 10 MHz       | D    | 2115          | 9.923     |
| n66  | 10 MHz       | D    | 2155          | 9.923     |
| n66  | 10 MHz       | D    | 2195          | 9.923     |

**Table 8.3-10:** 26 dB Occupied bandwidth, 1024QAM Modulation.



| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW (MHz) |
|------|--------------|------|---------------|-----------------|
| n66  | 15 MHz       | D    | 2117.5        | 14.881          |
| n66  | 15 MHz       | D    | 2155          | 14.881          |
| n66  | 15 MHz       | D    | 2192.5        | 14.881          |

**Table 8.3-11:** 26 dB Occupied bandwidth, QPSK Modulation, 15 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 15 MHz       | D    | 2117.5        | 14.881    |
| n66  | 15 MHz       | D    | 2155          | 14.881    |
| n66  | 15 MHz       | D    | 2192.5        | 14.881    |

**Table 8.3-12:** 26 dB Occupied bandwidth, 16QAM Modulation, 15 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 15 MHz       | D    | 2117.5        | 14.832    |
| n66  | 15 MHz       | D    | 2155          | 14.832    |
| n66  | 15 MHz       | D    | 2192.5        | 14.881    |

**Table 8.3-13:** 26 dB Occupied bandwidth, 64QAM Modulation, 15 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 15 MHz       | D    | 2117.5        | 14.93     |
| n66  | 15 MHz       | D    | 2155          | 14.881    |
| n66  | 15 MHz       | D    | 2192.5        | 14.783    |

**Table 8.3-14:** 26 dB Occupied bandwidth, 256QAM Modulation, 15 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 15 MHz       | D    | 2117.5        | 14.93     |
| n66  | 15 MHz       | D    | 2155          | 14.832    |
| n66  | 15 MHz       | D    | 2192.5        | 14.881    |

**Table 8.3-15:** 26 dB Occupied bandwidth, 1024QAM Modulation, 15 MHz





| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW (MHz) |
|------|--------------|------|---------------|-----------------|
| n66  | 20 MHz       | D    | 2120          | 19.935          |
| n66  | 20 MHz       | D    | 2155          | 20              |
| n66  | 20 MHz       | D    | 2190          | 19.935          |

**Table 8.3-16:** 26 dB Occupied bandwidth, QPSK Modulation, 20 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 20 MHz       | D    | 2120          | 19.87     |
| n66  | 20 MHz       | D    | 2155          | 19.87     |
| n66  | 20 MHz       | D    | 2190          | 19.935    |

**Table 8.3-17:** 26 dB Occupied bandwidth, 16QAM Modulation, 20 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 20 MHz       | D    | 2120          | 19.87     |
| n66  | 20 MHz       | D    | 2155          | 19.87     |
| n66  | 20 MHz       | D    | 2190          | 19.935    |

**Table 8.3-18:** 26 dB Occupied bandwidth, 64QAM Modulation, 20 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 20 MHz       | D    | 2120          | 19.935    |
| n66  | 20 MHz       | D    | 2155          | 19.87     |
| n66  | 20 MHz       | D    | 2190          | 19.935    |

**Table 8.3-19:** 26 dB Occupied bandwidth, 256QAM Modulation, 20 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n66  | 20 MHz       | D    | 2120          | 19.87     |
| n66  | 20 MHz       | D    | 2155          | 19.87     |
| n66  | 20 MHz       | D    | 2190          | 19.935    |

**Table 8.3-20:** 26 dB Occupied bandwidth, 1024QAM Modulation, 20 MHz

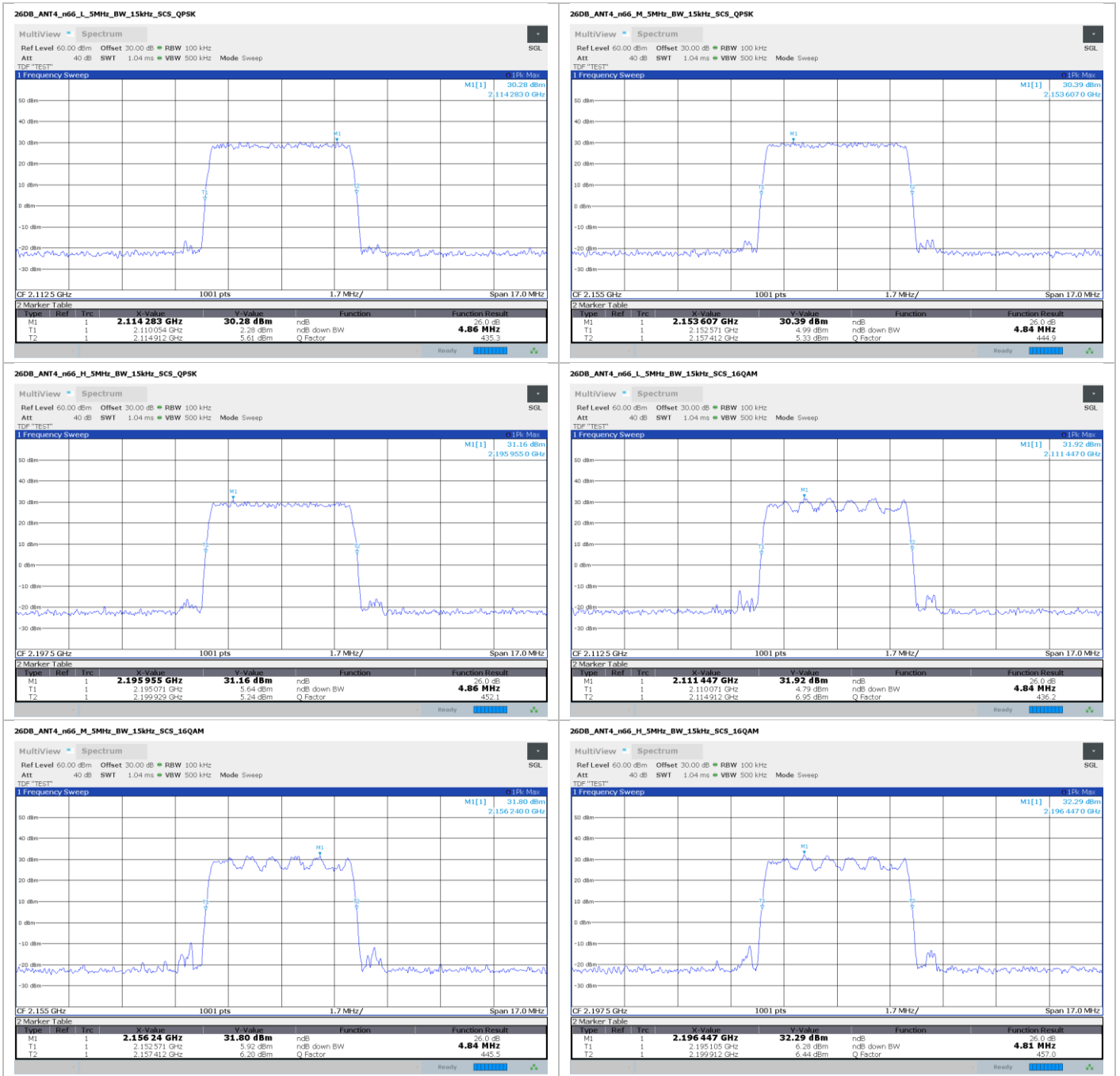
**Section 8**  
**Test name**  
**Specification**

Testing data  
 FCC §27.53 (h)(3) 26 dB Occupied Bandwidth  
 FCC Part 27



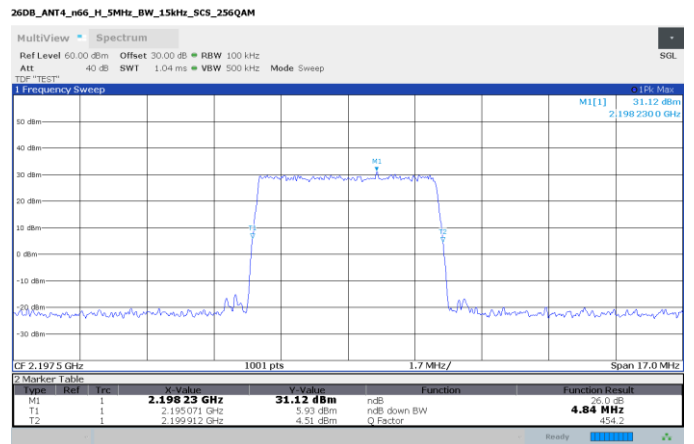
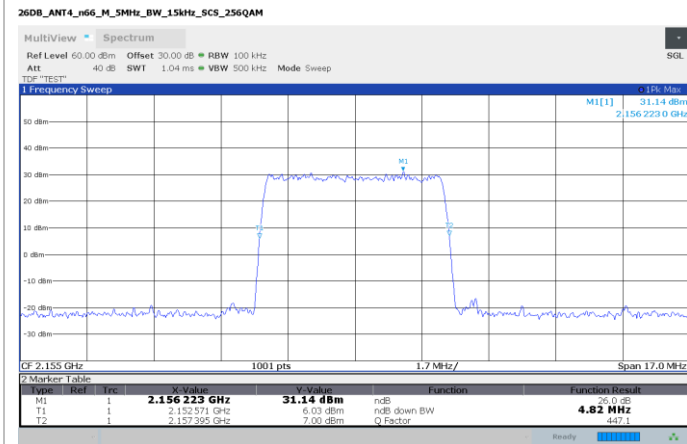
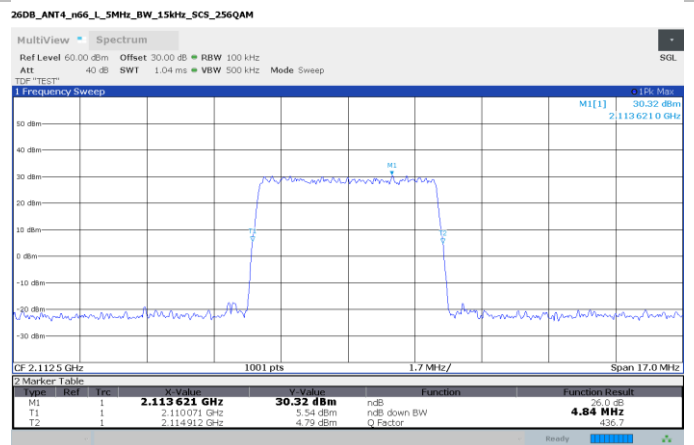
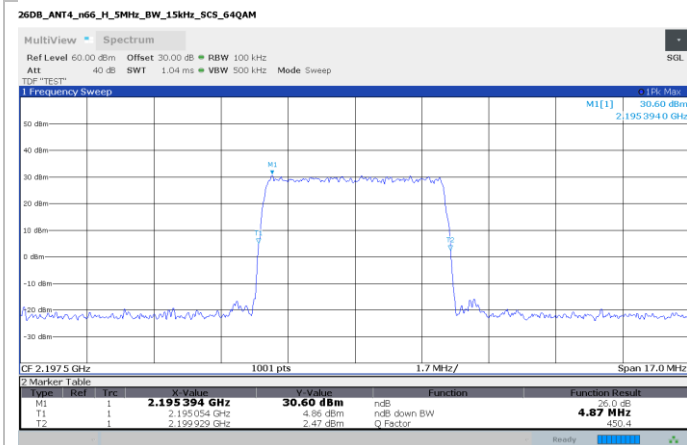
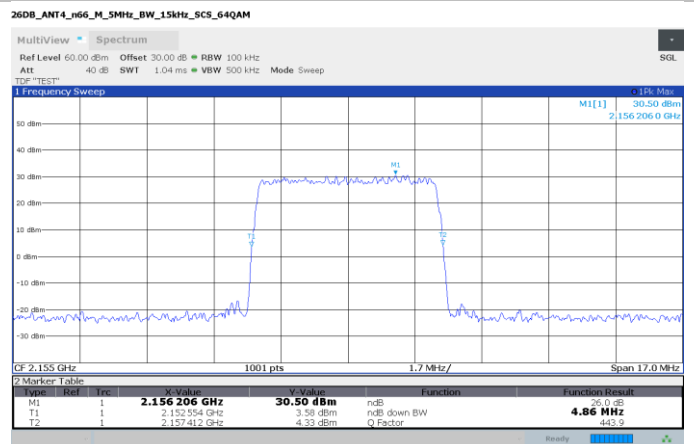
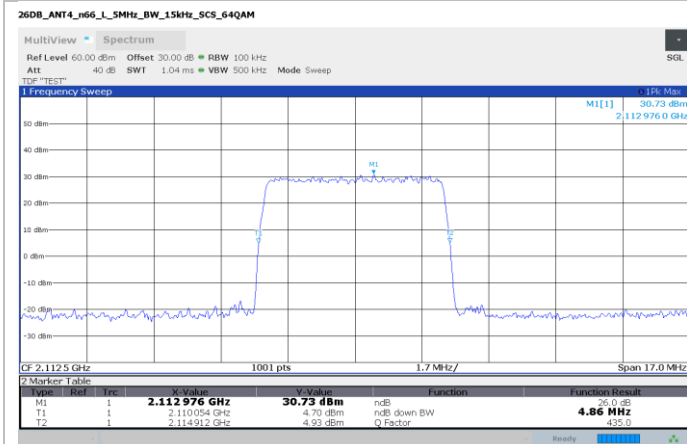
**Band n66**

**5 MHz**



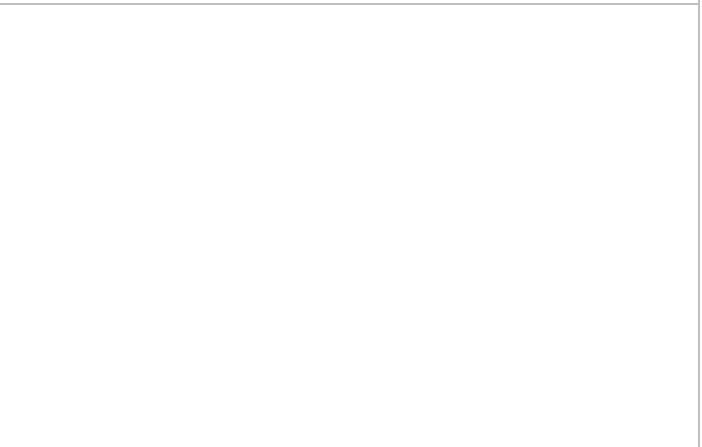
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 FCC §27.53 (h)(3) 26 dB Occupied Bandwidth  
 FCC Part 27



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 FCC §27.53 (h)(3) 26 dB Occupied Bandwidth  
 FCC Part 27



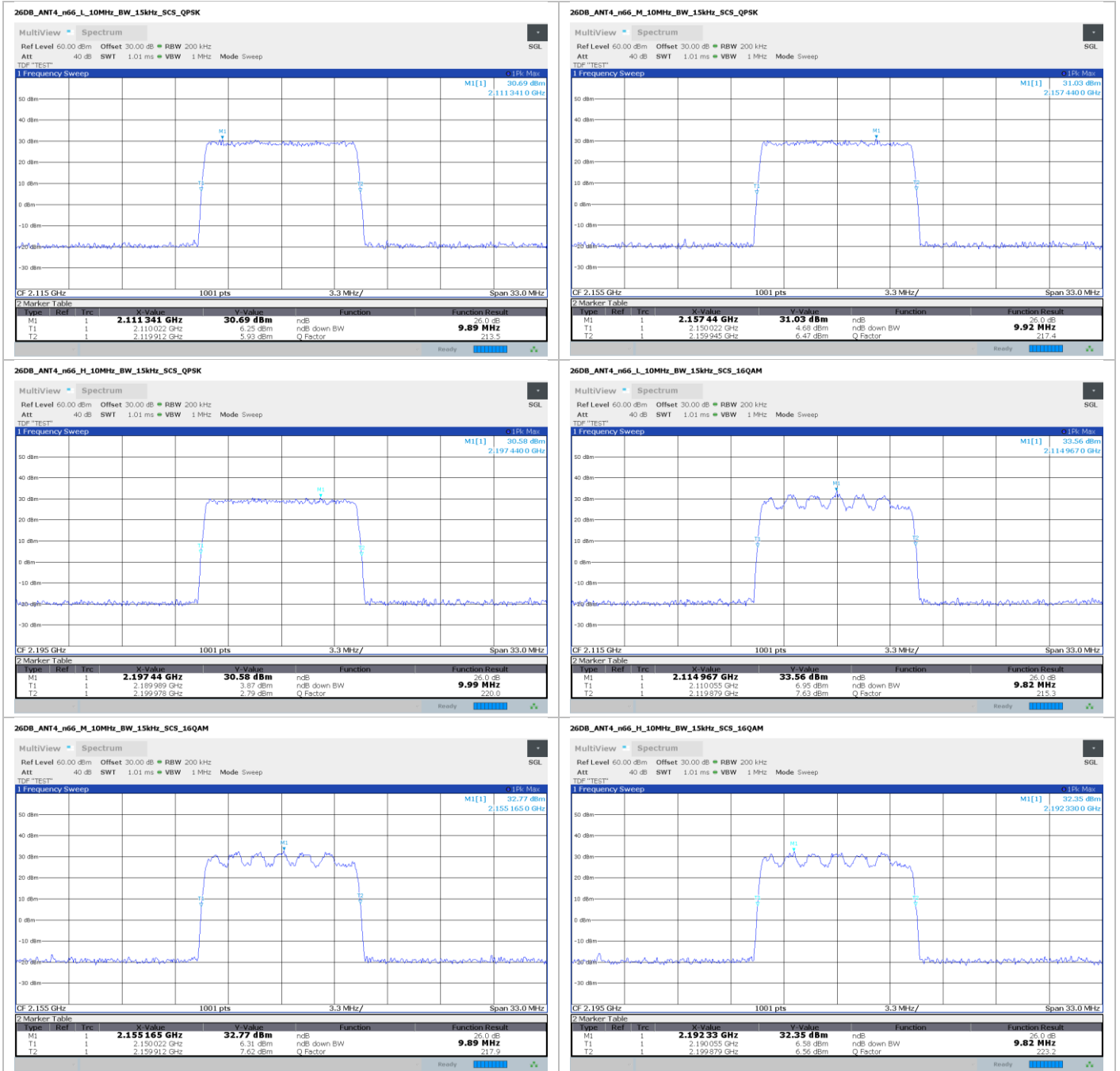
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 FCC Part 27



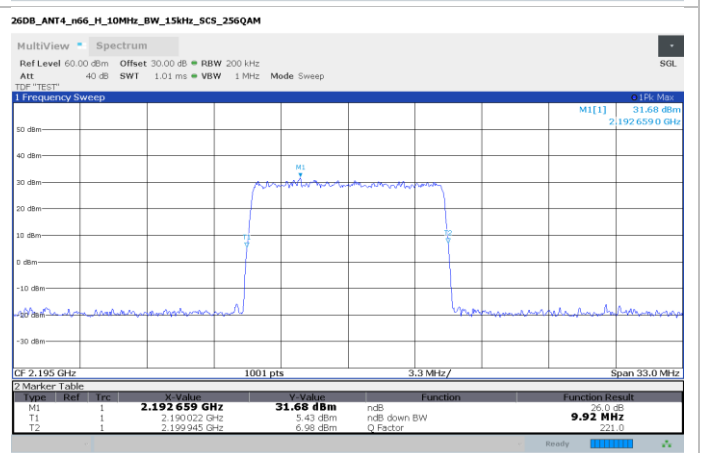
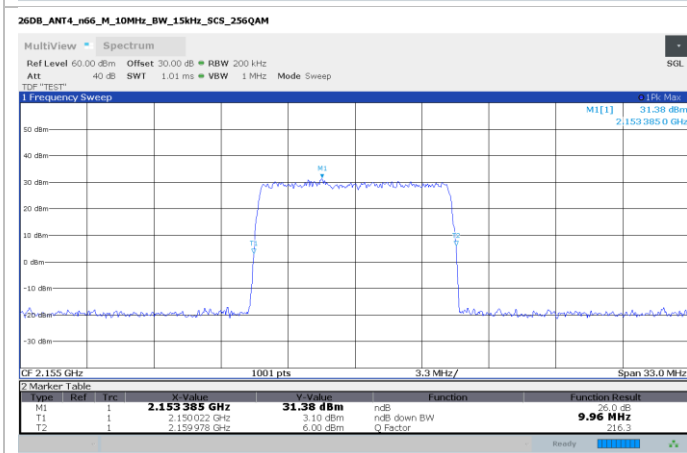
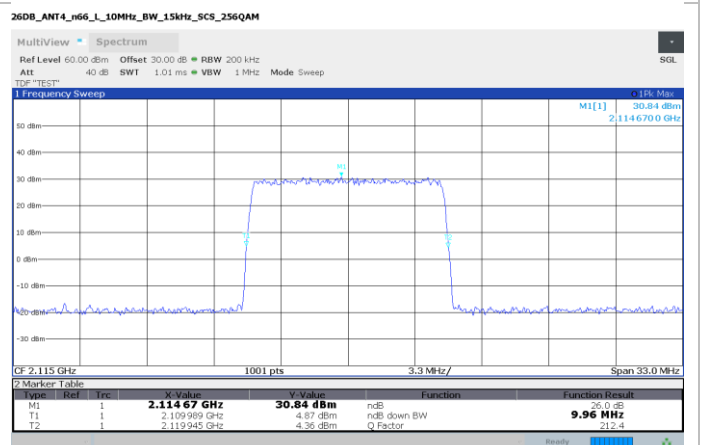
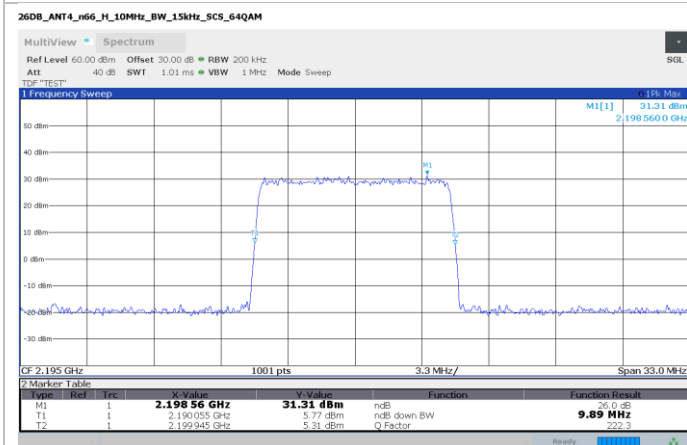
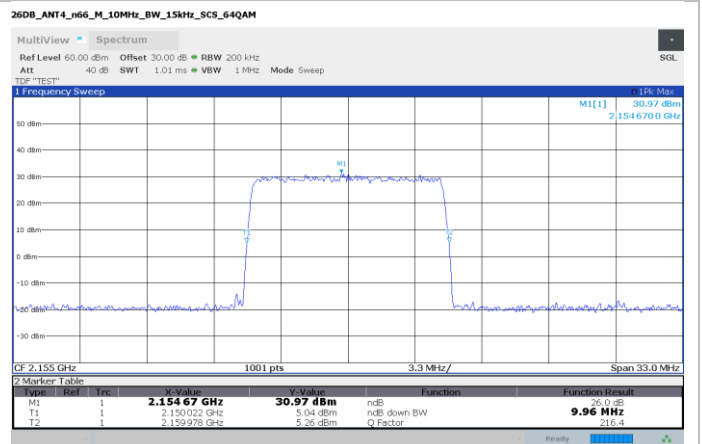
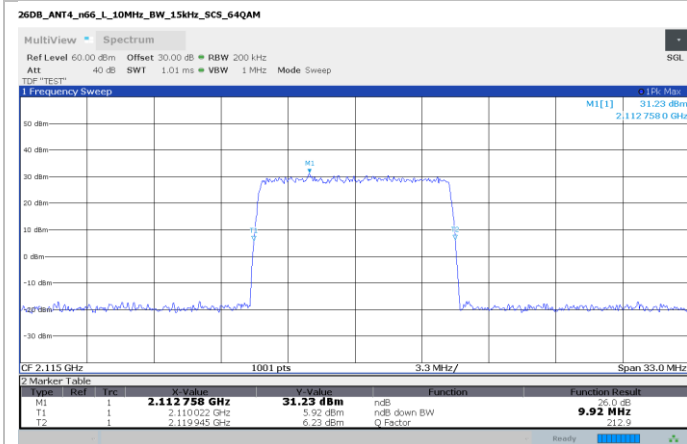
Band n66

10 MHz



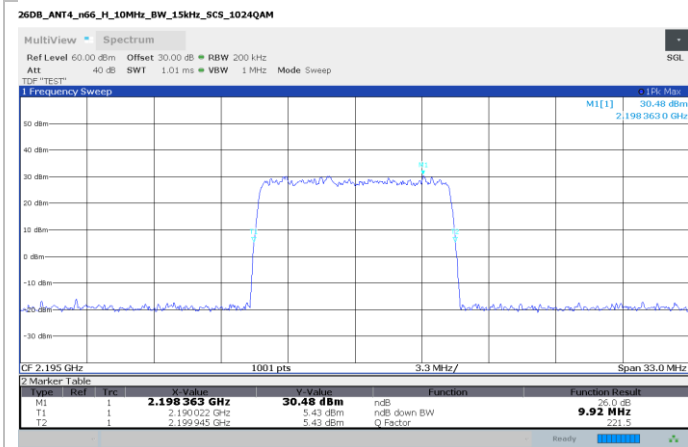
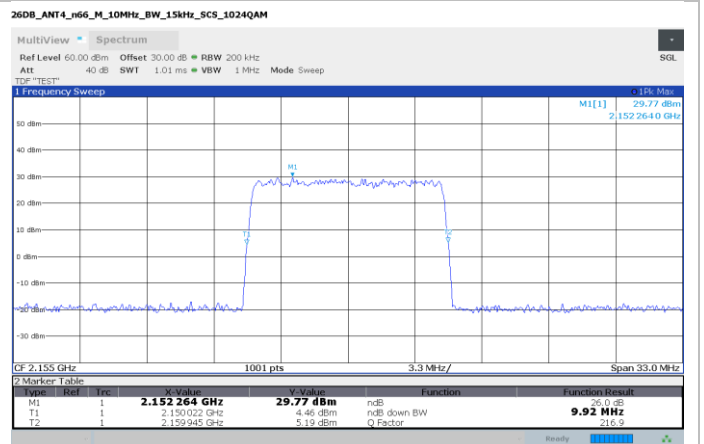
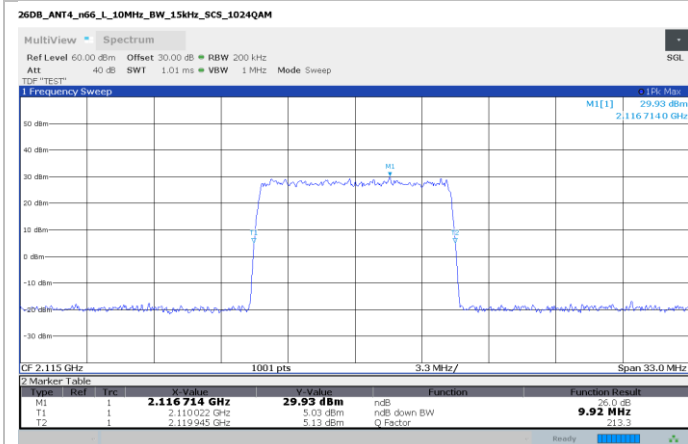
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 FCC §27.53 (h)(3) 26 dB Occupied Bandwidth  
 FCC Part 27



**Section 8**  
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Testing data  
 FCC §27.53 (h)(3) 26 dB Occupied Bandwidth  
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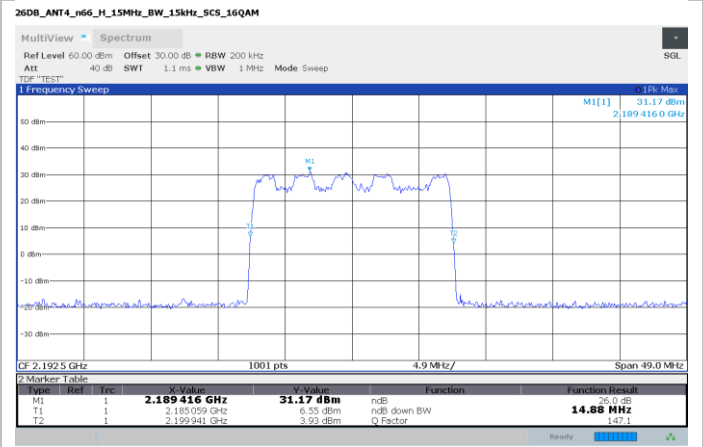
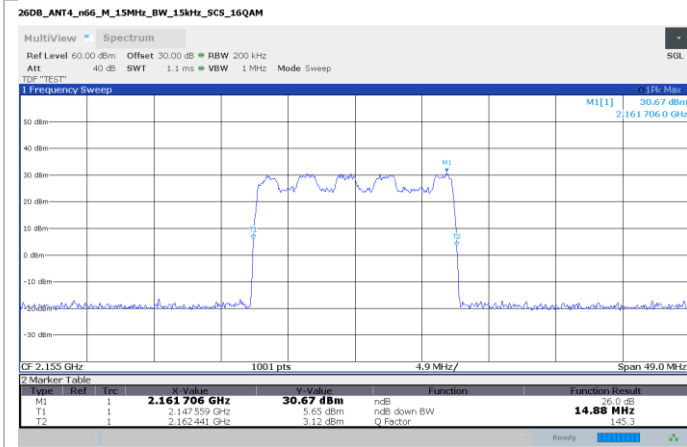
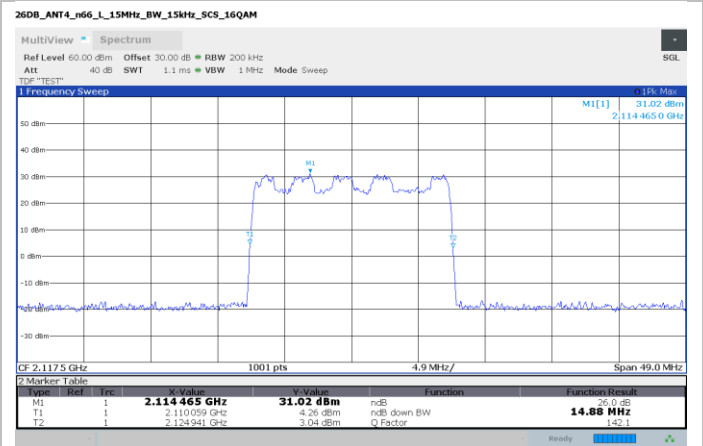
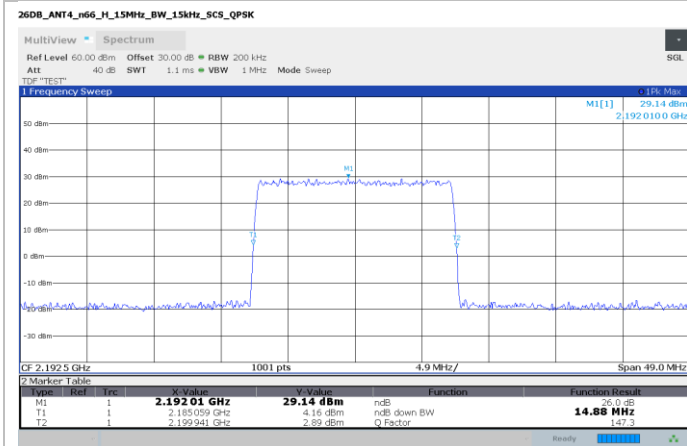
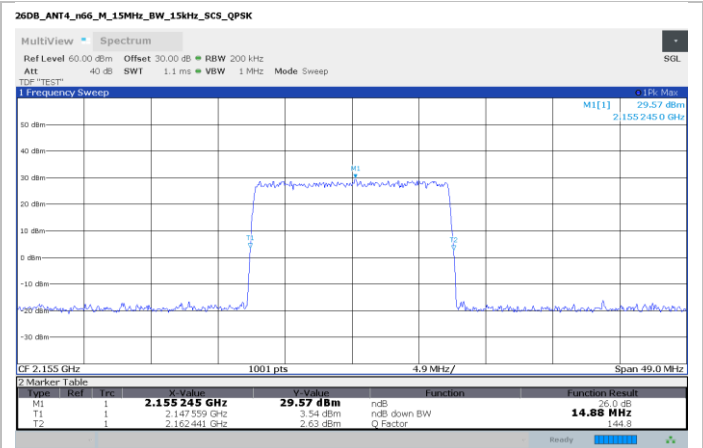
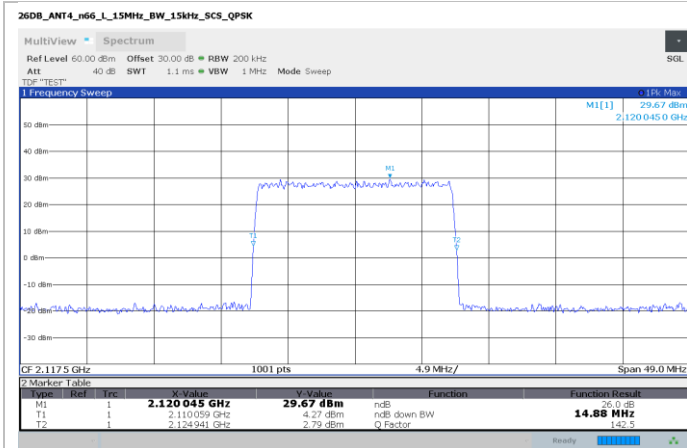
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 FCC Part 27



**Band n66**

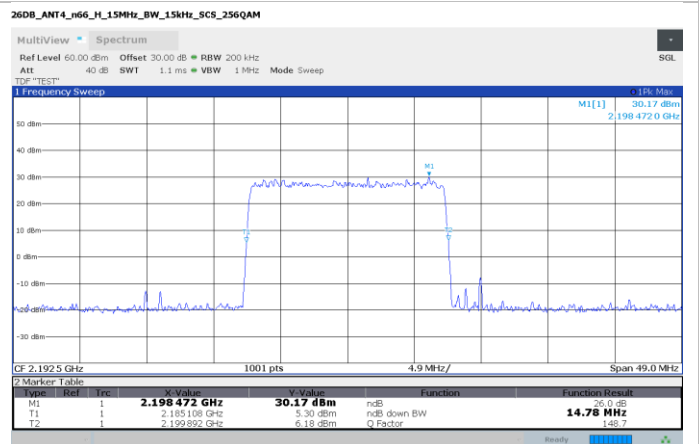
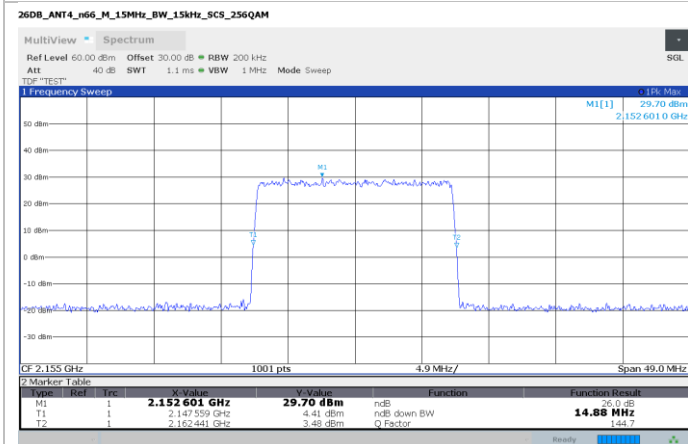
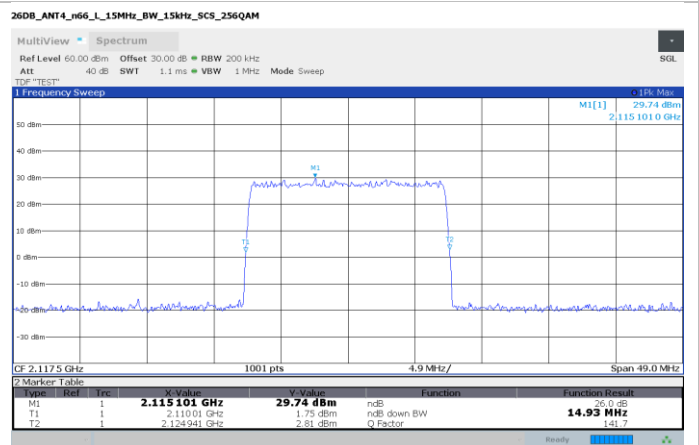
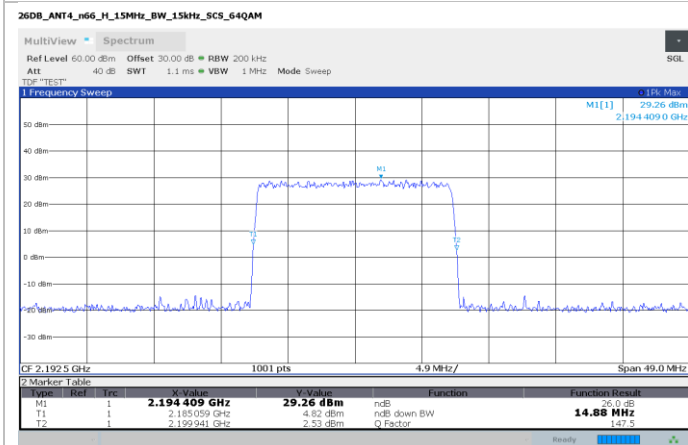
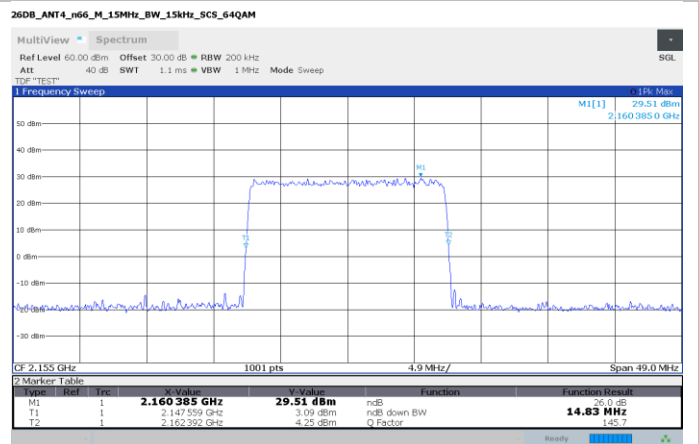
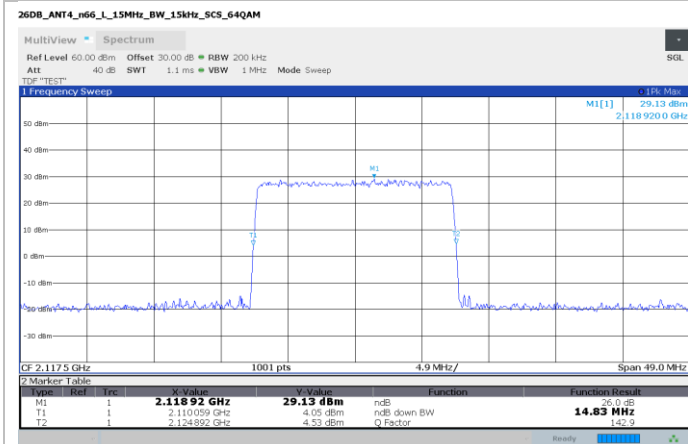
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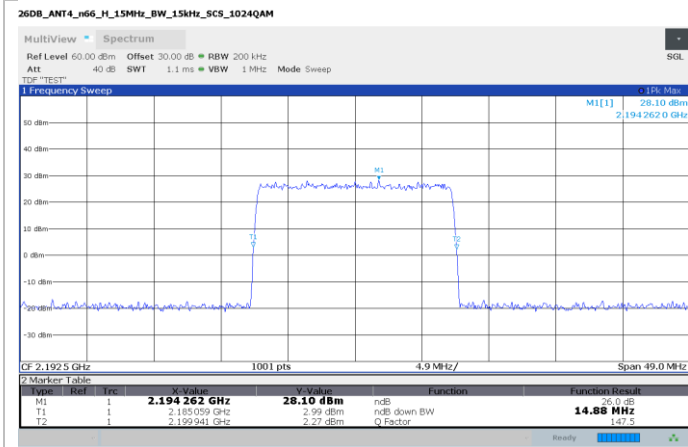
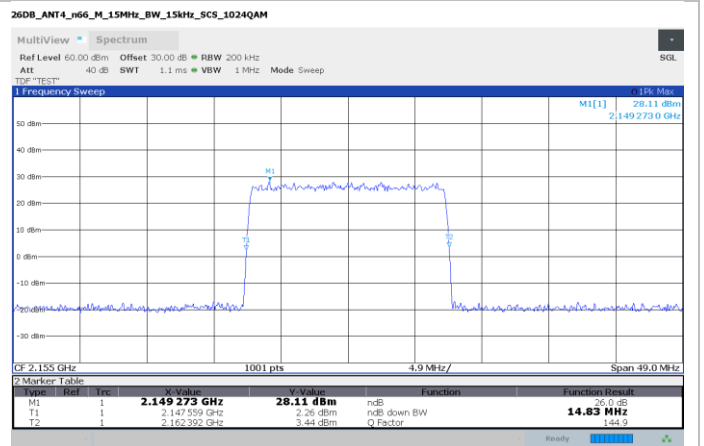
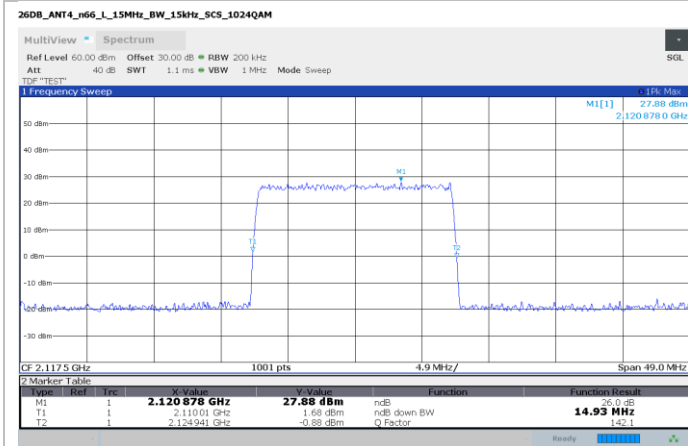
**Section 8**  
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Testing data  
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 FCC Part 27



**Section 8**  
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**Specification**

Testing data  
 FCC §27.53 (h)(3) 26 dB Occupied Bandwidth  
 FCC Part 27



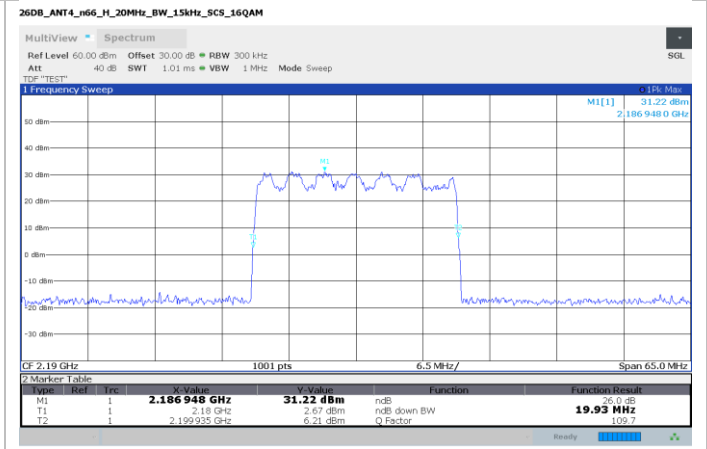
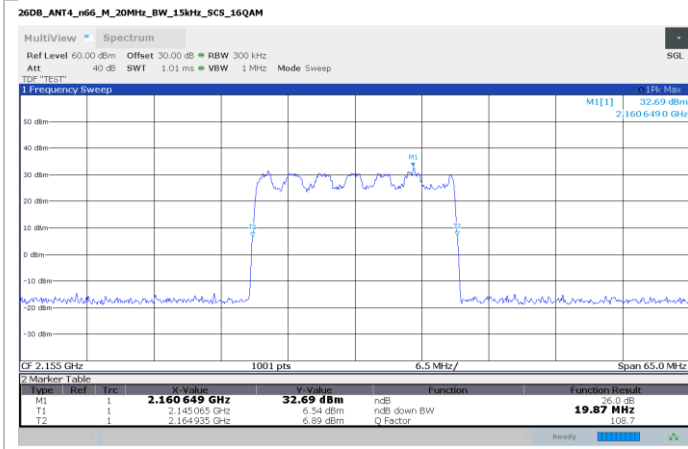
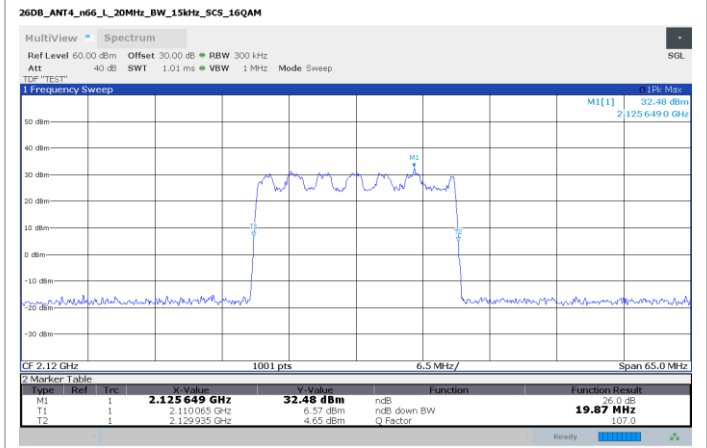
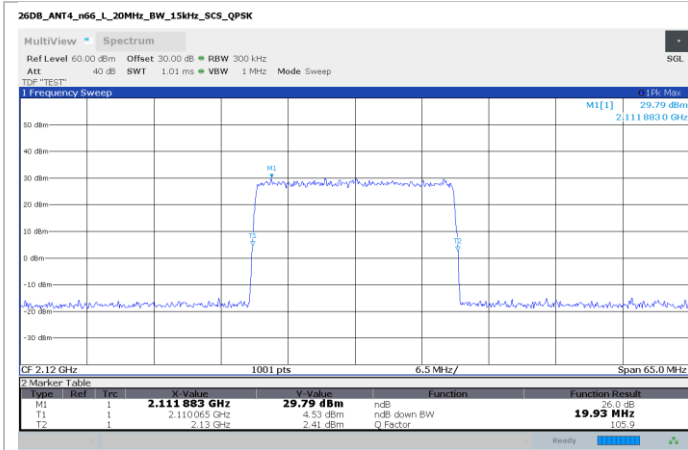
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**Specification**

Testing data  
 FCC §27.53 (h)(3) 26 dB Occupied Bandwidth  
 FCC Part 27



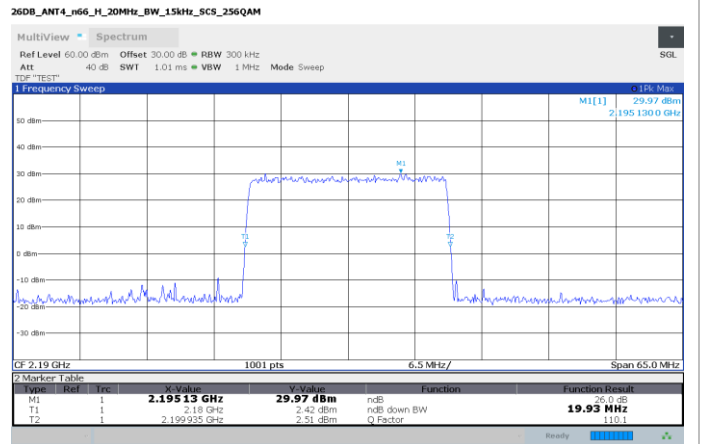
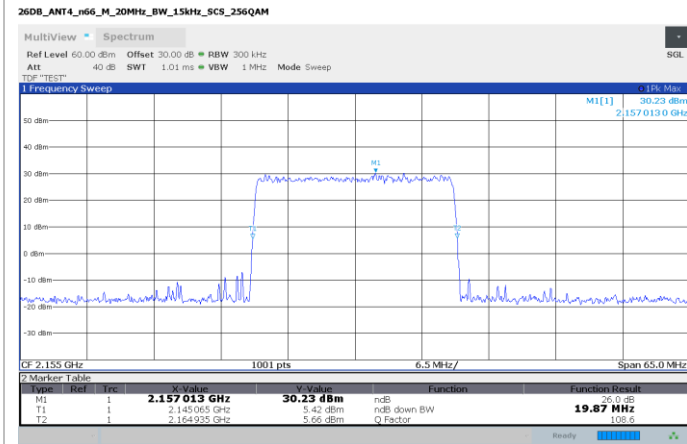
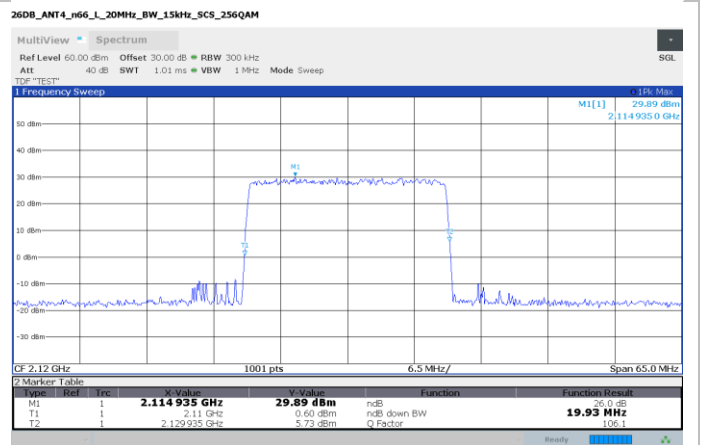
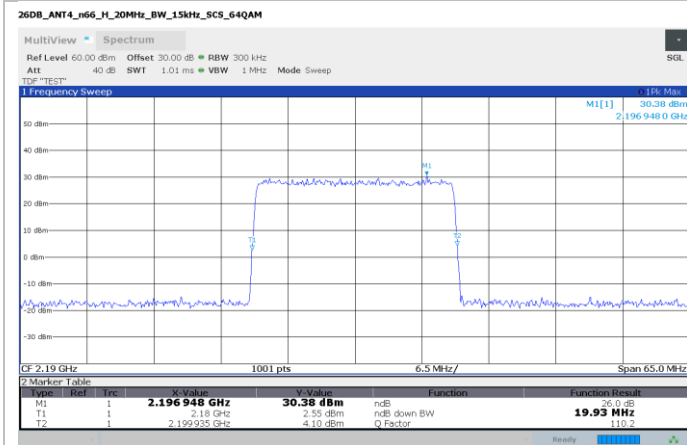
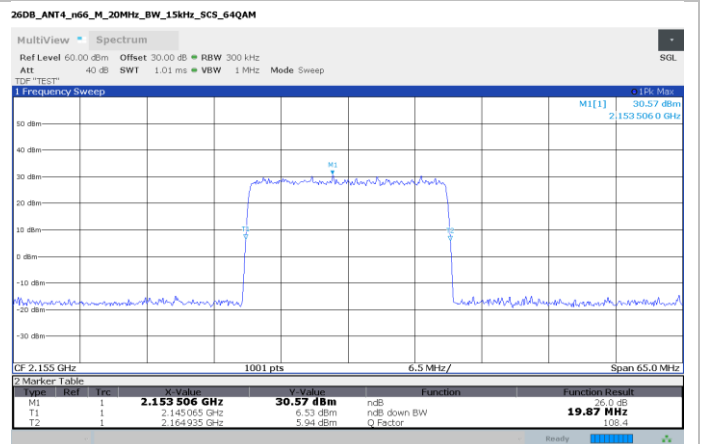
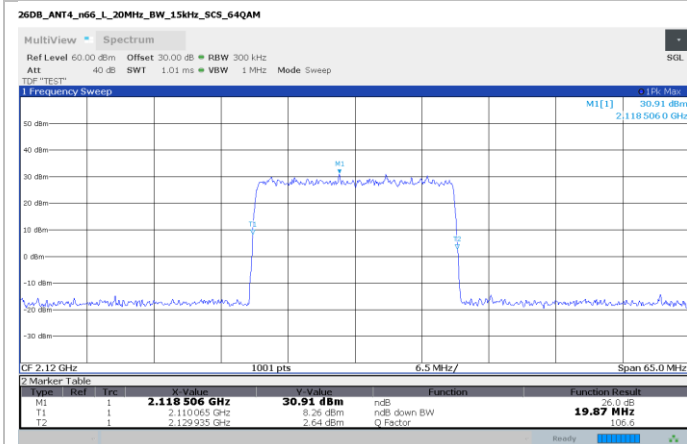
**Band n66**

**20 MHz**



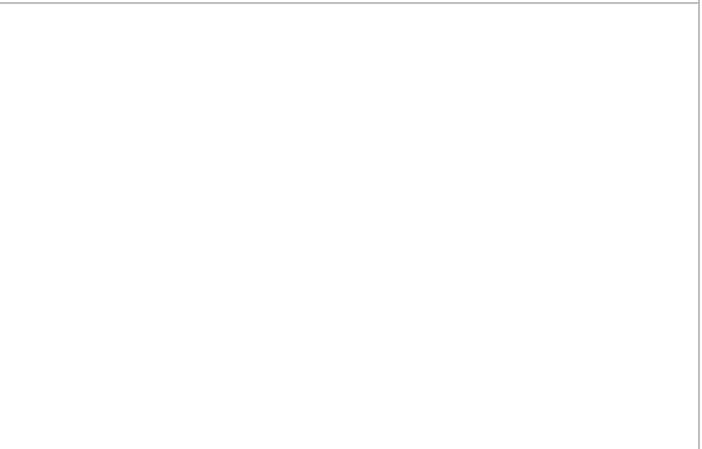
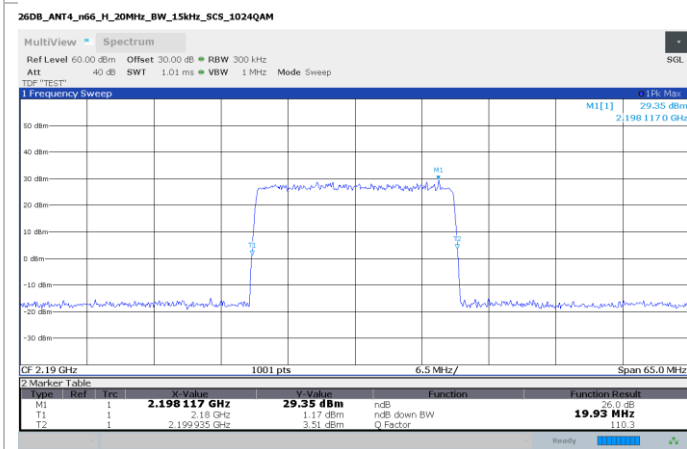
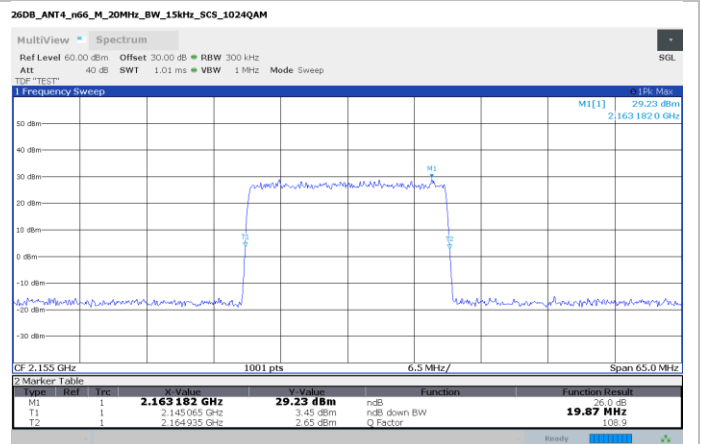
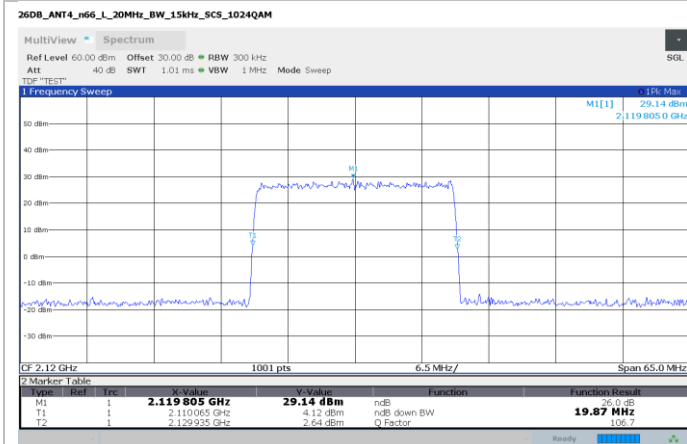
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Band n70:

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW (MHz) |
|------|--------------|------|---------------|-----------------|
| n70  | 5 MHz        | C    | 1997.5        | 4.84            |
| n70  | 5 MHz        | C    | 2007.5        | 4.84            |
| n70  | 5 MHz        | C    | 2017.5        | 4.857           |

*Table 8.3-21: 26 dB Occupied bandwidth, QPSK Modulation, 5 MHz*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 5 MHz        | C    | 1997.5        | 4.857     |
| n70  | 5 MHz        | C    | 2007.5        | 4.84      |
| n70  | 5 MHz        | C    | 2017.5        | 4.84      |

*Table 8.3-22: 26 dB Occupied bandwidth, 16QAM Modulation, 5 MHz*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 5 MHz        | C    | 1997.5        | 4.857     |
| n70  | 5 MHz        | C    | 2007.5        | 4.823     |
| n70  | 5 MHz        | C    | 2017.5        | 4.823     |

*Table 8.3-23: 26 dB Occupied bandwidth, 64QAM Modulation, 5 MHz*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 5 MHz        | C    | 1997.5        | 4.84      |
| n70  | 5 MHz        | C    | 2007.5        | 4.84      |
| n70  | 5 MHz        | C    | 2017.5        | 4.84      |

*Table 8.3-24: 26 dB Occupied bandwidth, 256QAM Modulation, 5 MHz*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 5 MHz        | C    | 1997.5        | 4.84      |
| n70  | 5 MHz        | C    | 2007.5        | 4.857     |
| n70  | 5 MHz        | C    | 2017.5        | 4.84      |

*Table 8.3-25: 26 dB Occupied bandwidth, 1024QAM Modulation, 5 MHz*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW (MHz) |
|------|--------------|------|---------------|-----------------|
| n70  | 10 MHz       | C    | 2000          | 9.923           |
| n70  | 10 MHz       | C    | 2007.5        | 9.956           |
| n70  | 10 MHz       | C    | 2015          | 9.923           |

**Table 8.3-26:** 26 dB Occupied bandwidth, QPSK Modulation, 10 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 10 MHz       | C    | 2000          | 9.923     |
| n70  | 10 MHz       | C    | 2007.5        | 9.89      |
| n70  | 10 MHz       | C    | 2015          | 9.923     |

**Table 8.3-27:** 26 dB Occupied bandwidth, 16QAM Modulation, 10 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 10 MHz       | C    | 2000          | 9.989     |
| n70  | 10 MHz       | C    | 2007.5        | 9.923     |
| n70  | 10 MHz       | C    | 2015          | 9.89      |

**Table 8.3-28:** 26 dB Occupied bandwidth, 64QAM Modulation, 10 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 10 MHz       | C    | 2000          | 9.923     |
| n70  | 10 MHz       | C    | 2007.5        | 9.923     |
| n70  | 10 MHz       | C    | 2015          | 9.89      |

**Table 8.3-29:** 26 dB Occupied bandwidth, 256QAM Modulation, 10 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 10 MHz       | C    | 2000          | 9.956     |
| n70  | 10 MHz       | C    | 2007.5        | 9.923     |
| n70  | 10 MHz       | C    | 2015          | 9.956     |

**Table 8.3-30:** 26 dB Occupied bandwidth, 1024QAM Modulation, 10 MHz



| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW (MHz) |
|------|--------------|------|---------------|-----------------|
| n70  | 20 MHz       | C    | 2005          | 19.935          |
| n70  | 20 MHz       | C    | 2007.5        | 19.935          |
| n70  | 20 MHz       | C    | 2010          | 20              |

**Table 8.3-31:** 26 dB Occupied bandwidth, QPSK Modulation, 20 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 20 MHz       | C    | 2005          | 19.935    |
| n70  | 20 MHz       | C    | 2007.5        | 19.87     |
| n70  | 20 MHz       | C    | 2010          | 19.935    |

**Table 8.3-32:** 26 dB Occupied bandwidth, 16QAM Modulation, 20 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 20 MHz       | C    | 2005          | 19.87     |
| n70  | 20 MHz       | C    | 2007.5        | 19.935    |
| n70  | 20 MHz       | C    | 2010          | 19.935    |

**Table 8.3-33:** 26 dB Occupied bandwidth, 64QAM Modulation, 20 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 20 MHz       | C    | 2005          | 19.935    |
| n70  | 20 MHz       | C    | 2007.5        | 19.935    |
| n70  | 20 MHz       | C    | 2010          | 19.935    |

**Table 8.3-34:** 26 dB Occupied bandwidth, 256QAM Modulation, 20 MHz

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 20 MHz       | C    | 2005          | 19.935    |
| n70  | 20 MHz       | C    | 2007.5        | 19.805    |
| n70  | 20 MHz       | C    | 2010          | 19.935    |

**Table 8.3-35:** 26 dB Occupied bandwidth, 1024QAM Modulation, 20 MHz



| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW (MHz) |
|------|--------------|------|---------------|-----------------|
| n70  | 25 MHz       | C    | 2007.5        | 24.821          |

*Table 8.3-36: 26 dB Occupied bandwidth, QPSK Modulation.*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 25 MHz       | C    | 2007.5        | 24.821    |

*Table 8.3-37: 26 dB Occupied bandwidth, 16QAM Modulation.*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 25 MHz       | C    | 2007.5        | 24.903    |

*Table 8.3-38: 26 dB Occupied bandwidth, 64QAM Modulation.*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 25 MHz       | C    | 2007.5        | 24.821    |

*Table 8.3-39: 26 dB Occupied bandwidth, 256QAM Modulation.*

| Band | OBW Declared | Port | Channel (MHz) | 26 dB OBW |
|------|--------------|------|---------------|-----------|
| n70  | 25 MHz       | C    | 2007.5        | 24.821    |

*Table 8.3-40: 26 dB Occupied bandwidth, 1024QAM Modulation.*

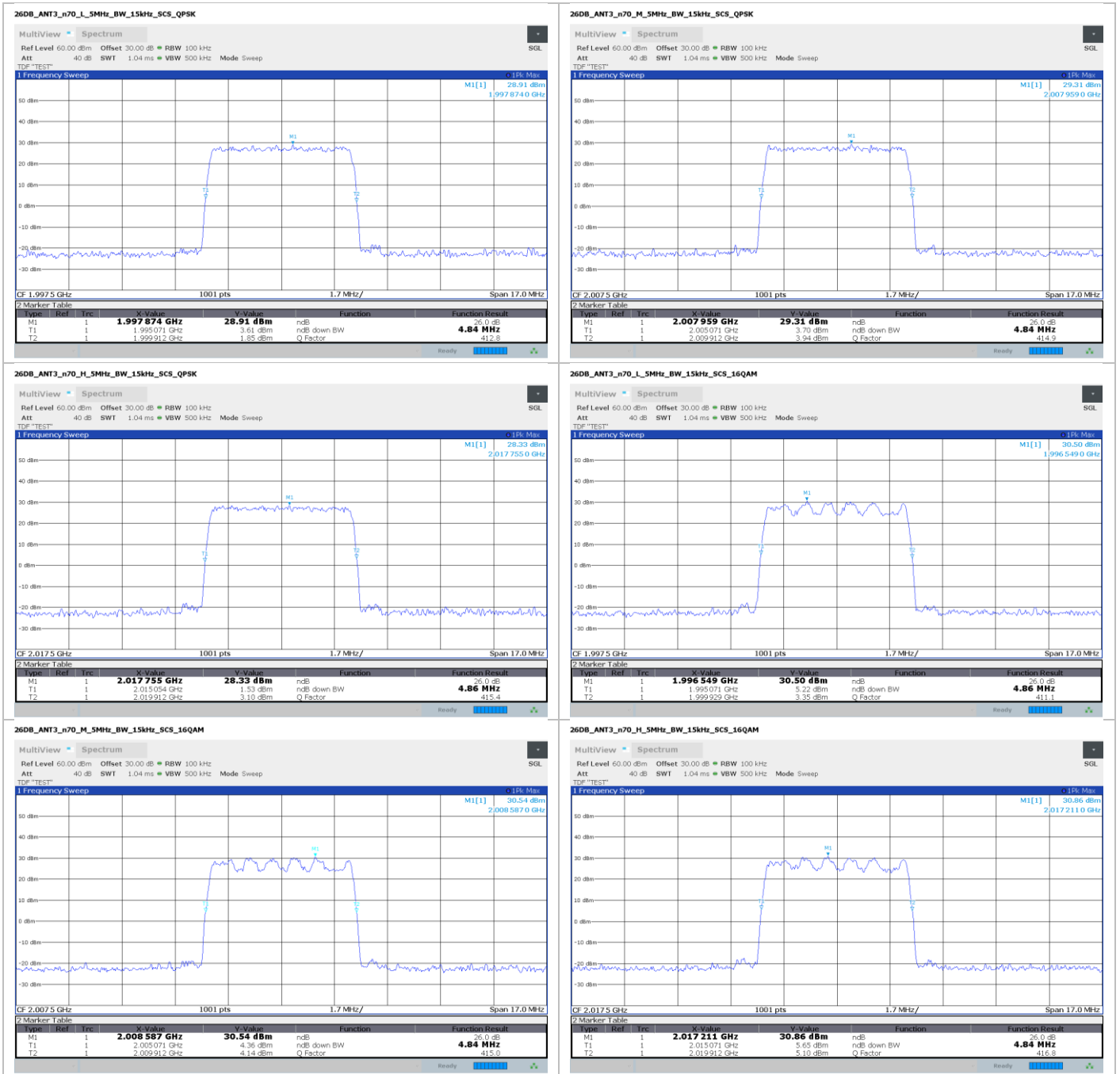
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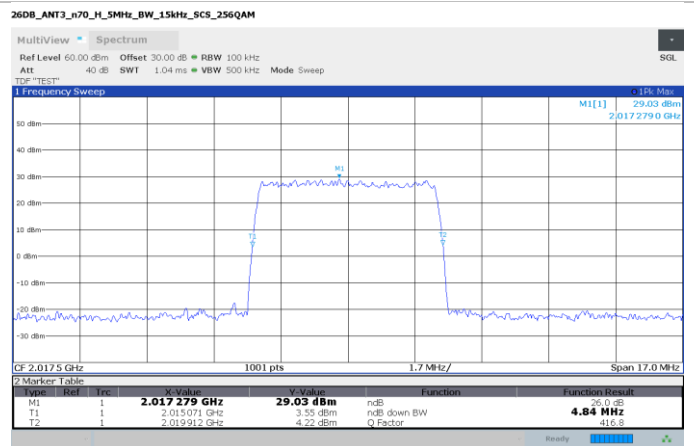
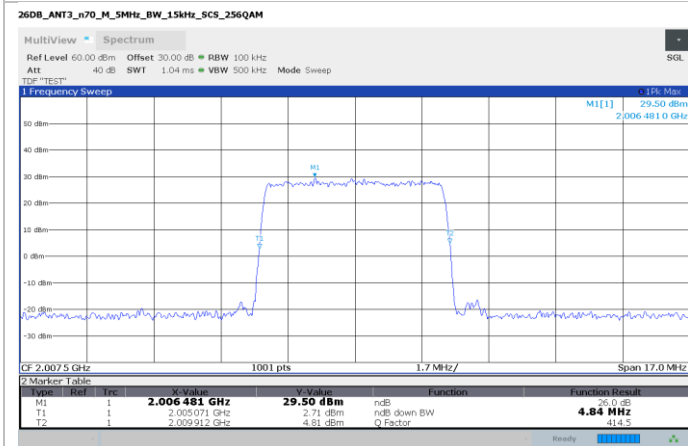
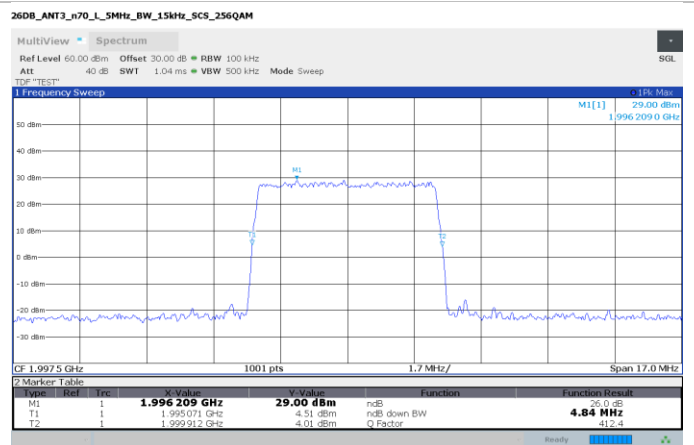
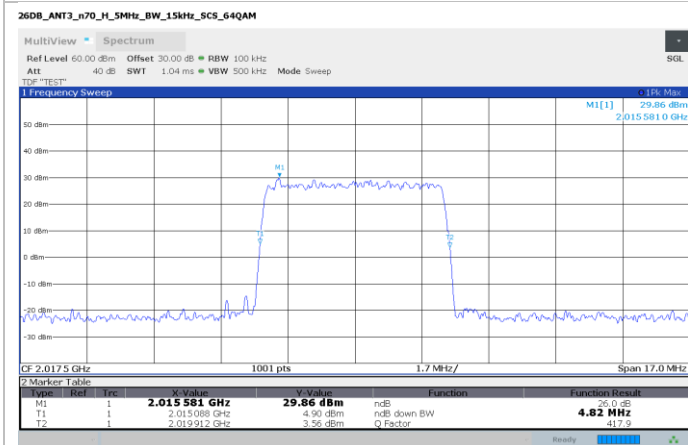
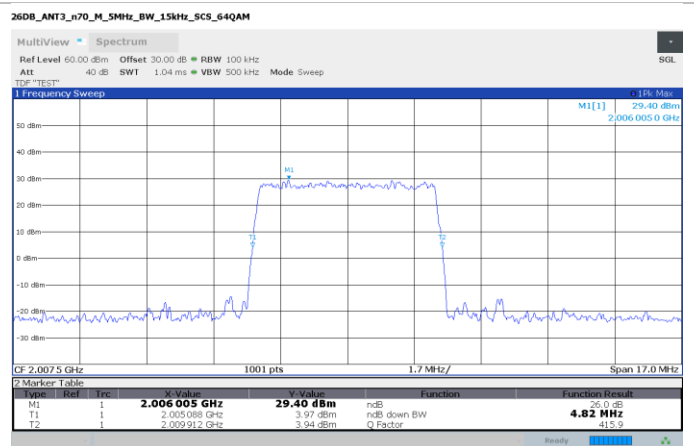
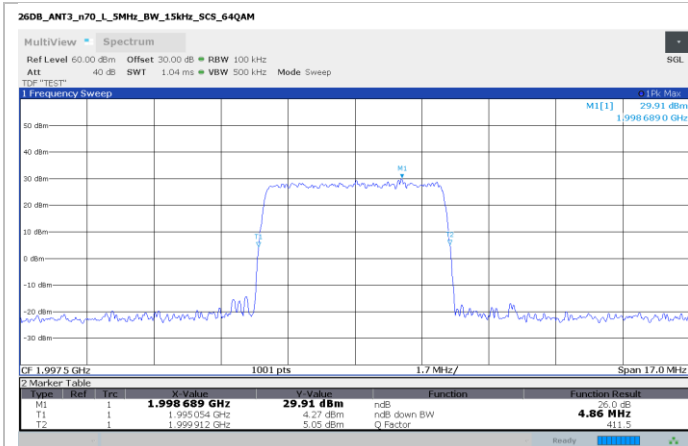
**Band n70**

**5 MHz**



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