

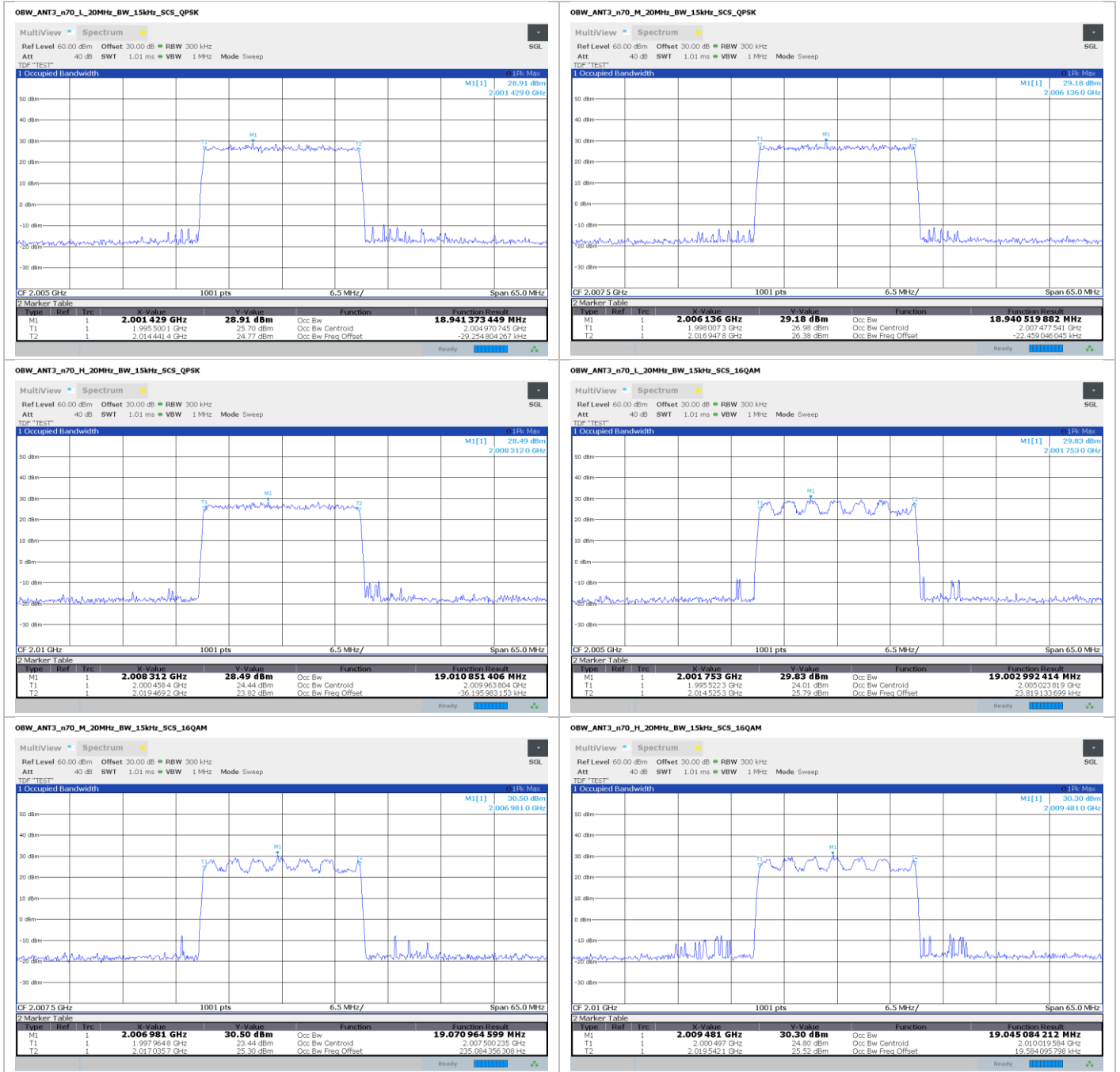
Section 8
Test name
Specification

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



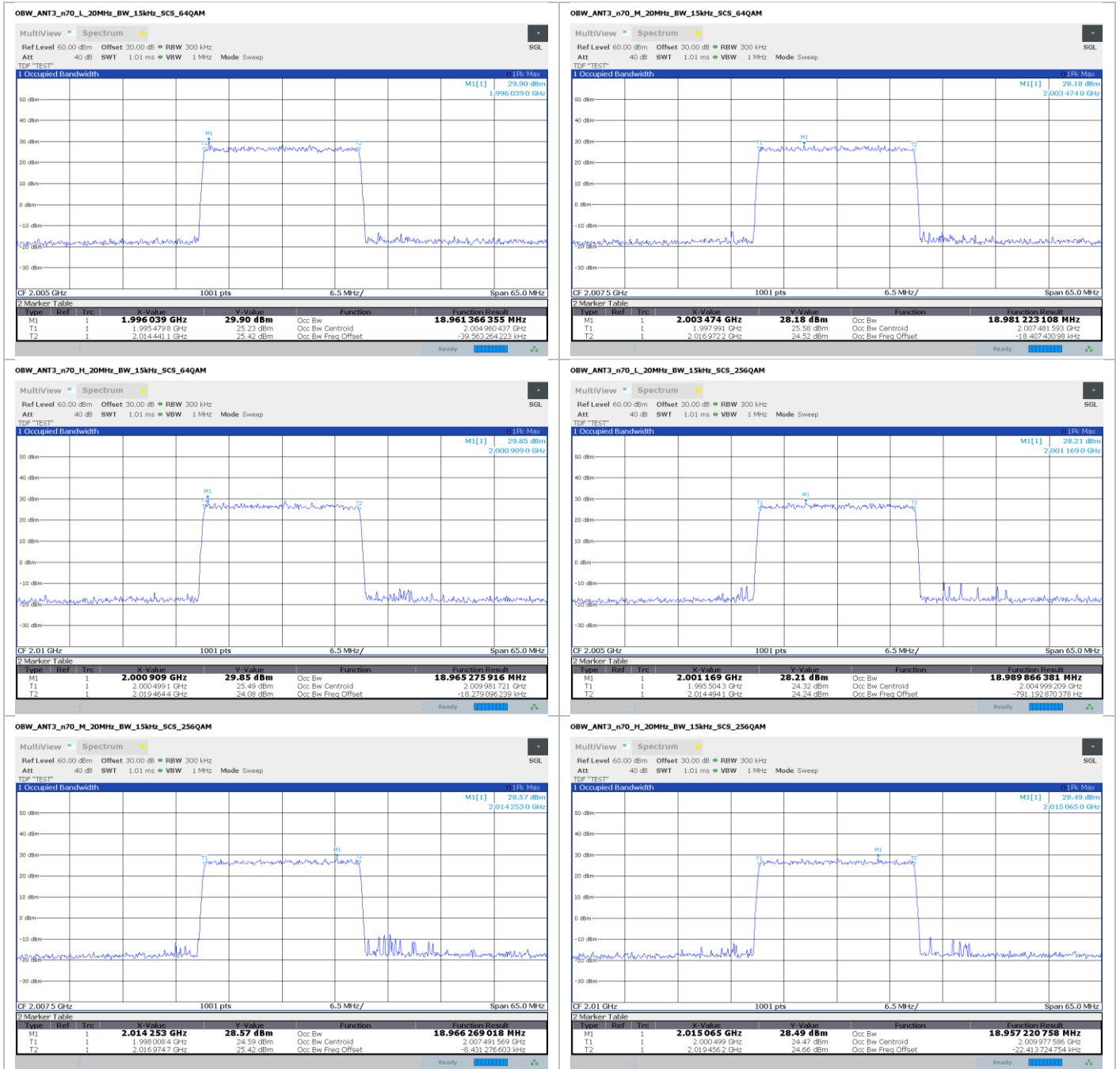
Band n70

20 MHz



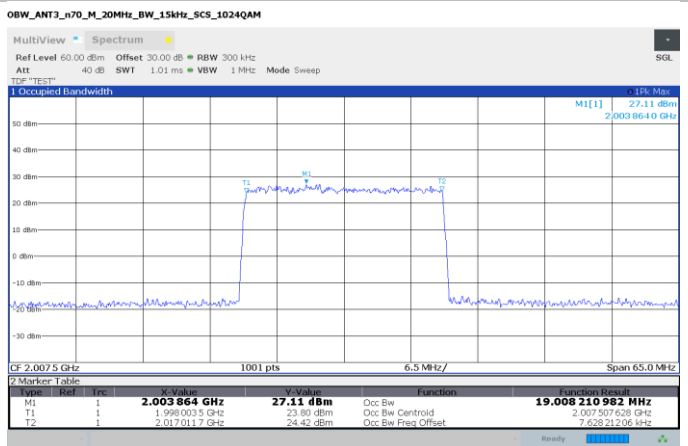
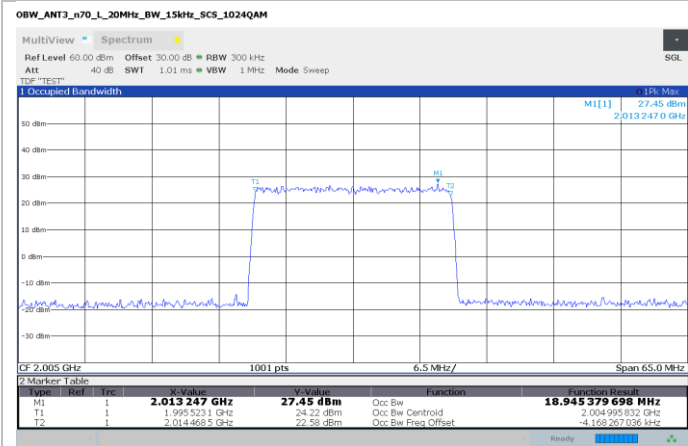
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Testing data
 FCC §2.1049(h) 99% Occupied Bandwidth
 FCC Part 27



Section 8
Test name
Specification

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



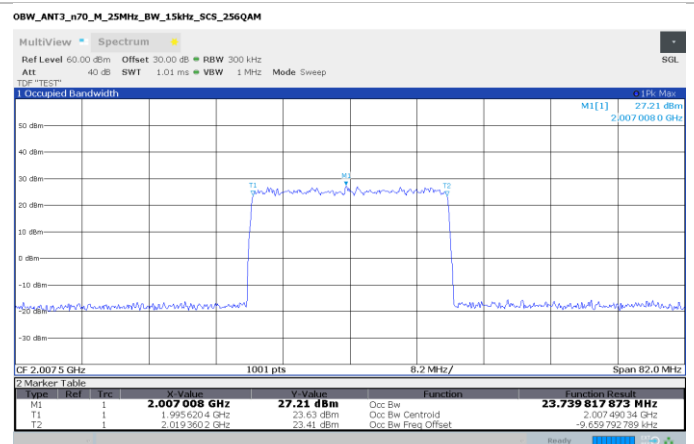
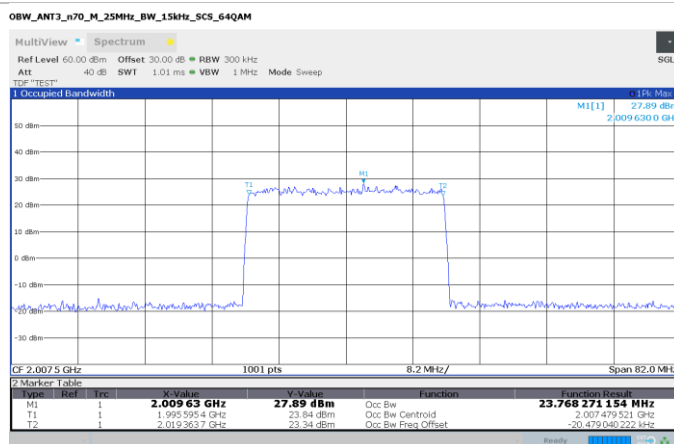
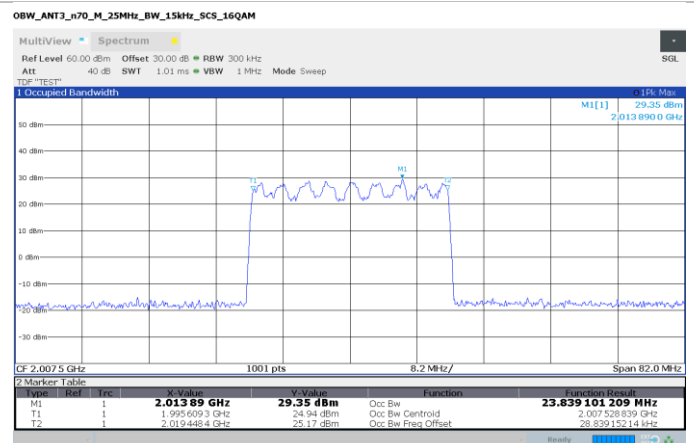
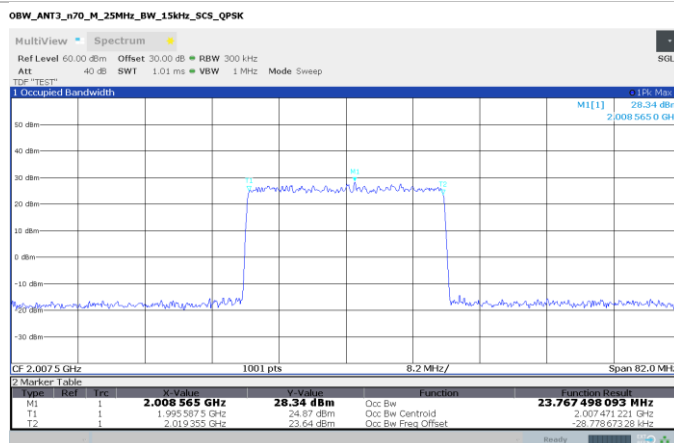
Section 8
Test name
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Testing data
FCC §2.1049(h) 99% Occupied Bandwidth
FCC Part 27



Band n70

25 MHz



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

8.3.1 Definitions and limits

(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

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

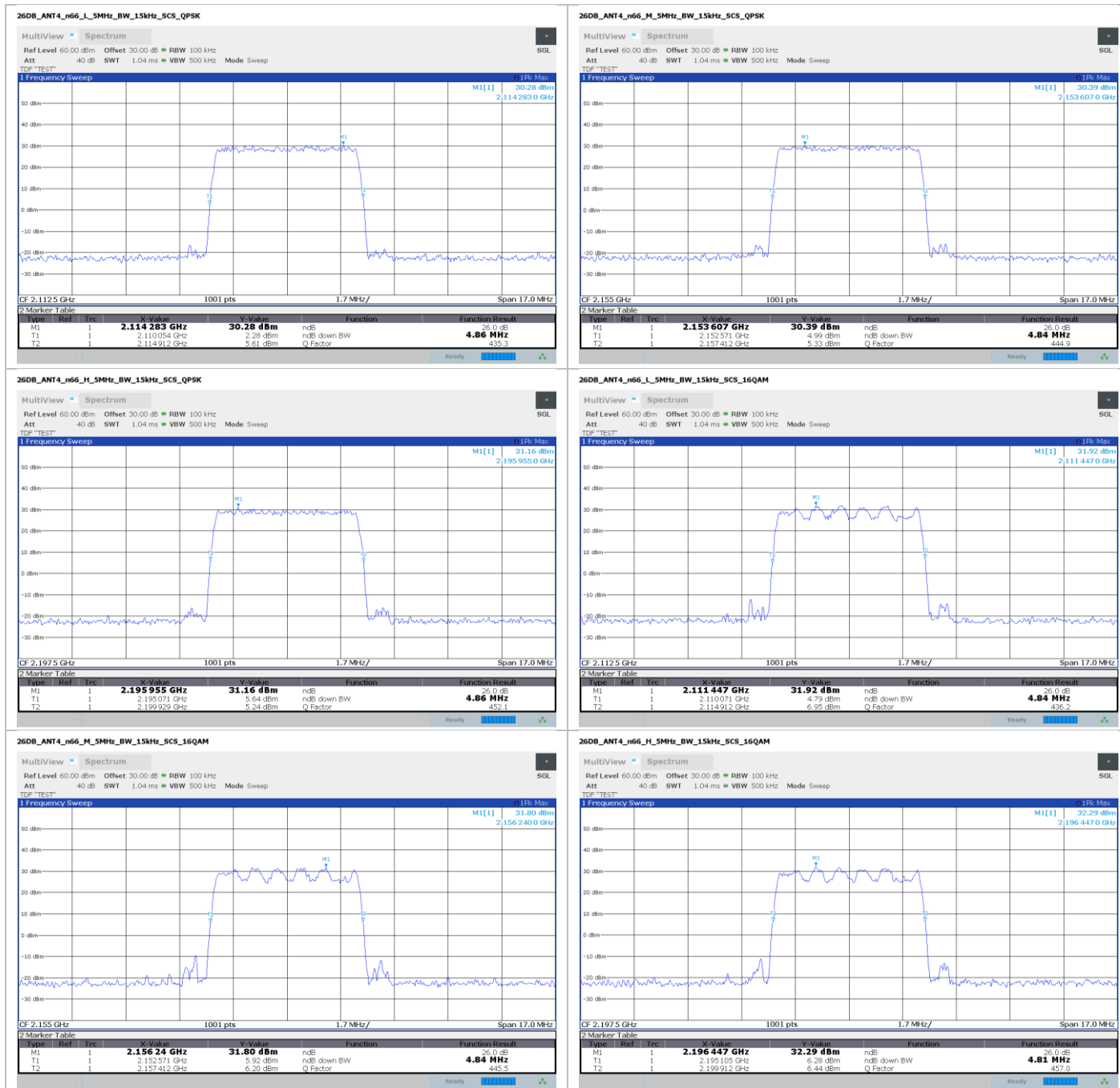
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FCC §27.53 (h)(3) 26 dB Occupied Bandwidth
FCC Part 27



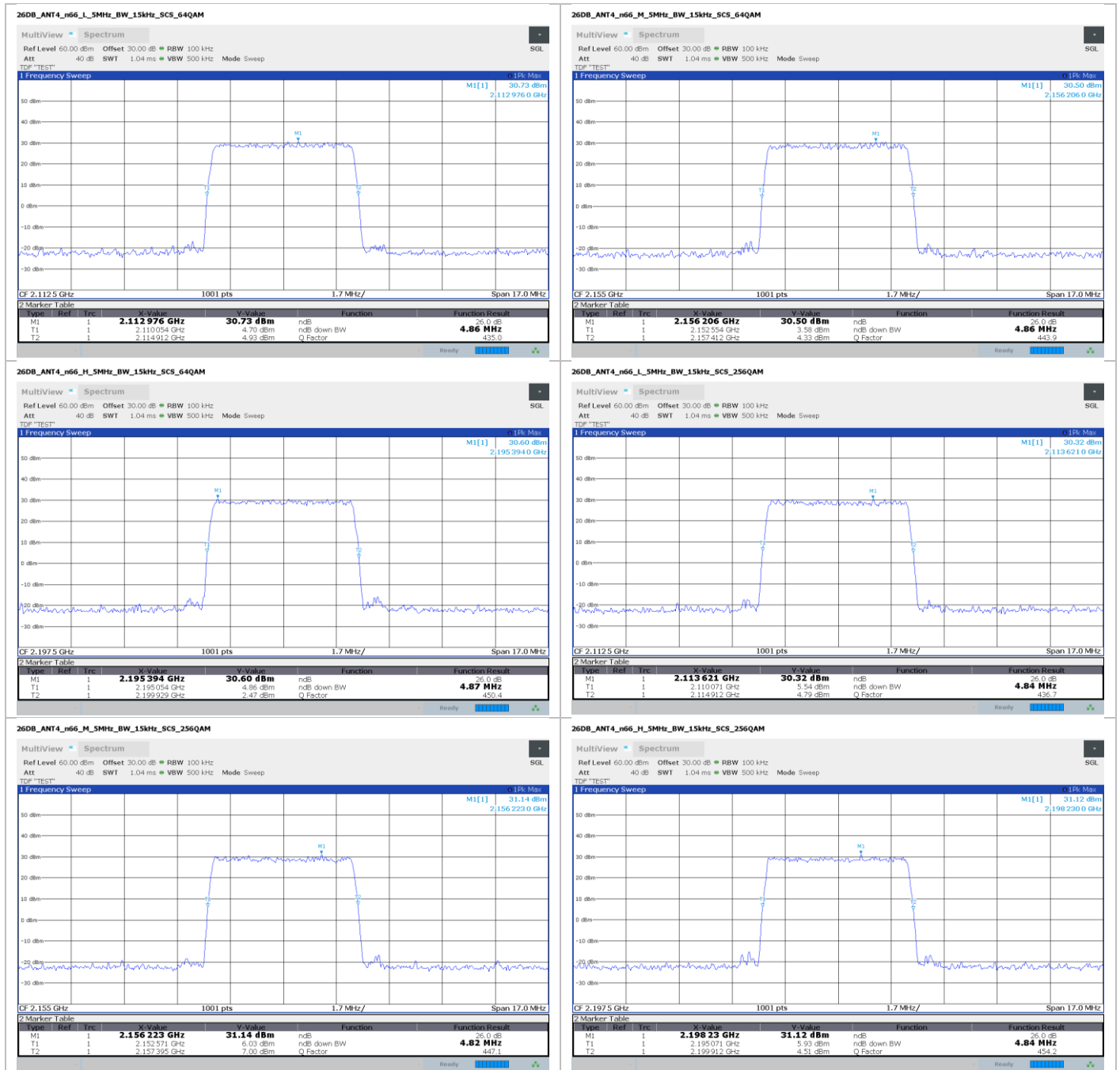
Band n66

5 MHz



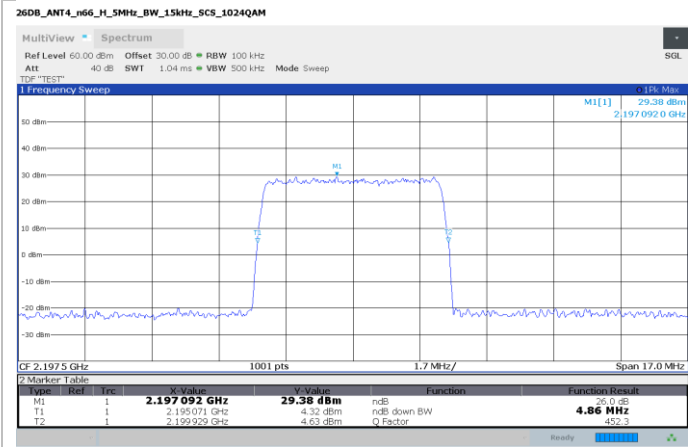
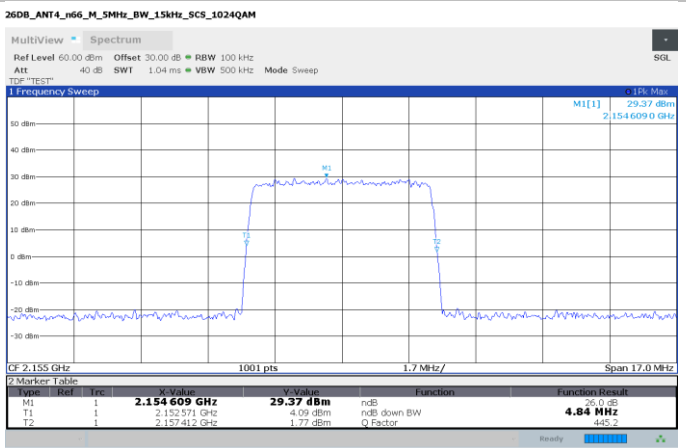
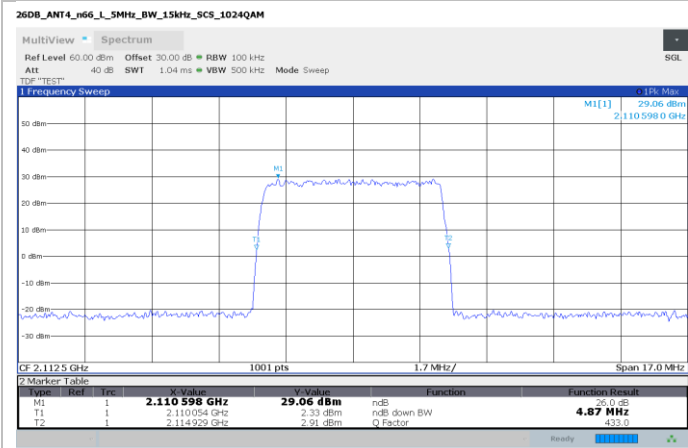
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FCC Part 27



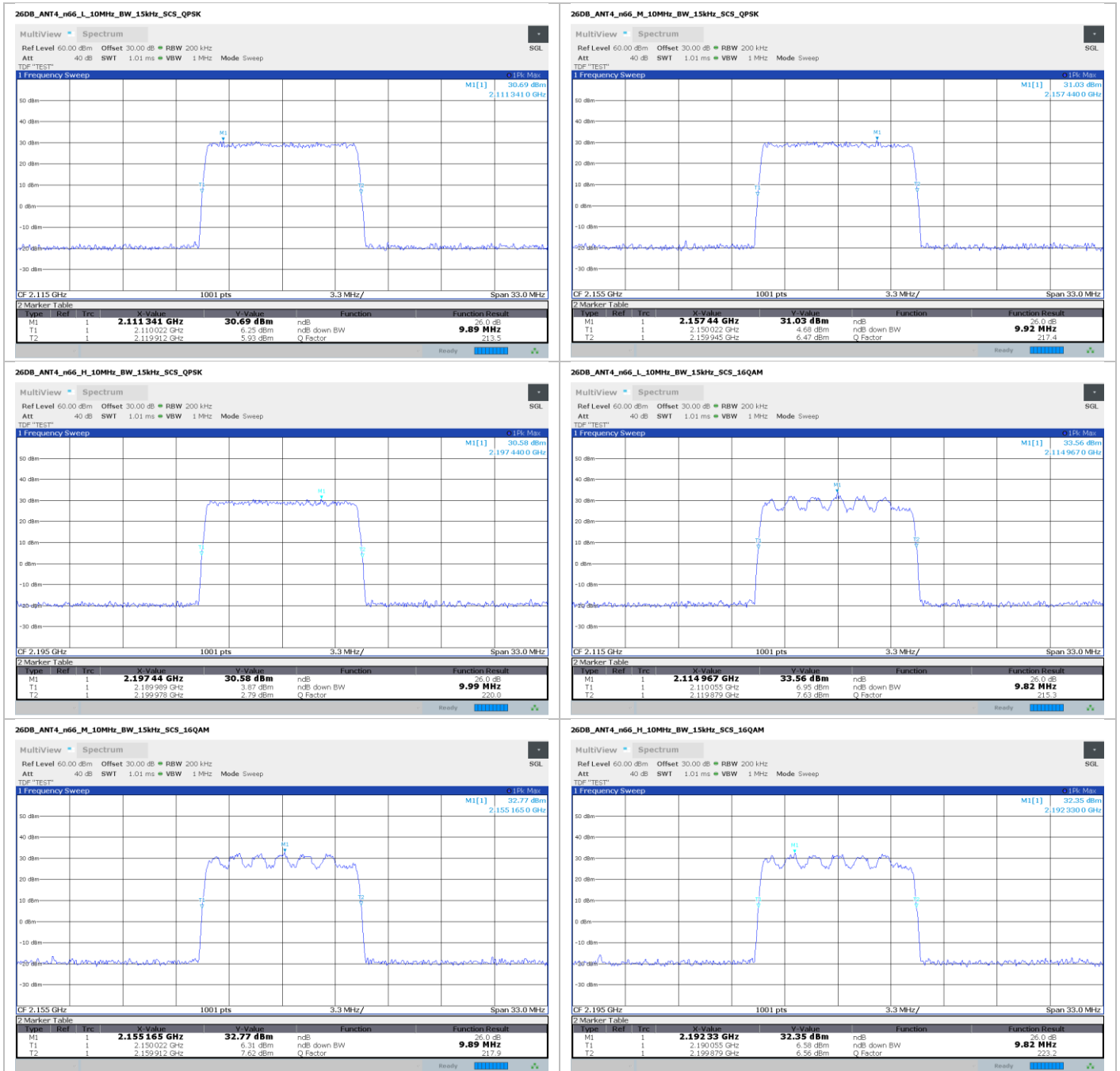
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FCC §27.53 (h)(3) 26 dB Occupied Bandwidth
FCC Part 27



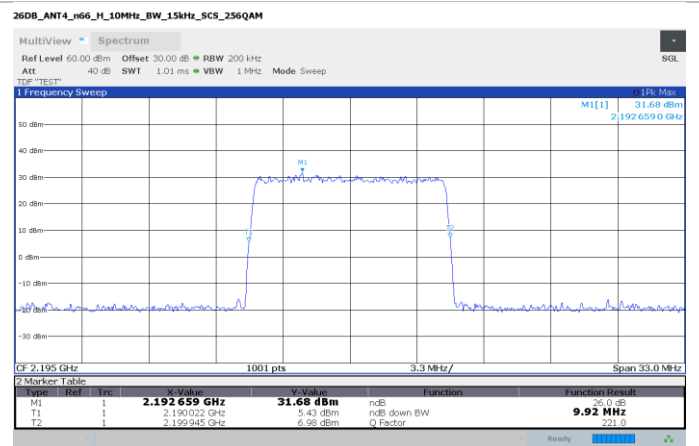
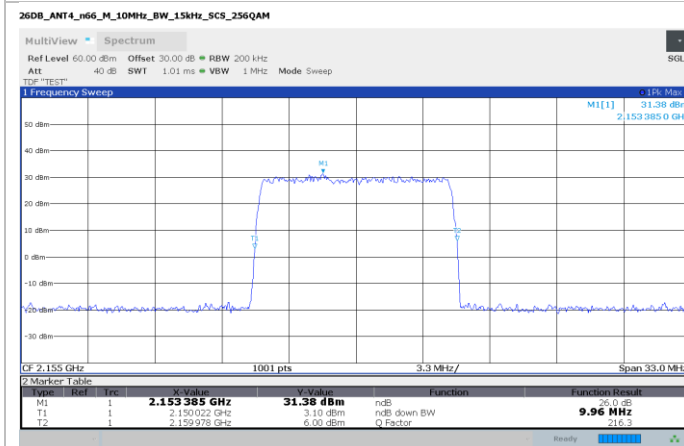
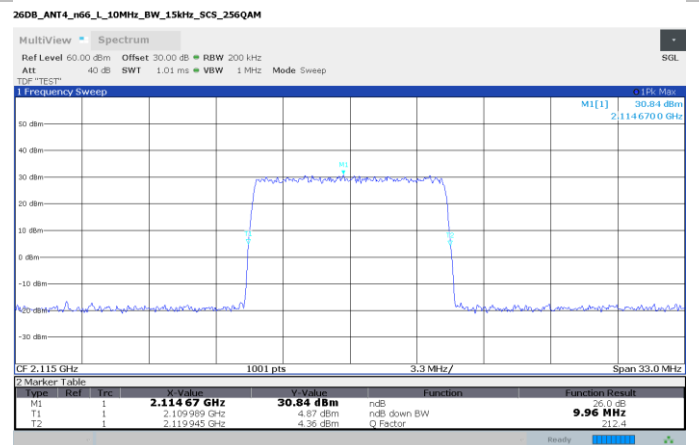
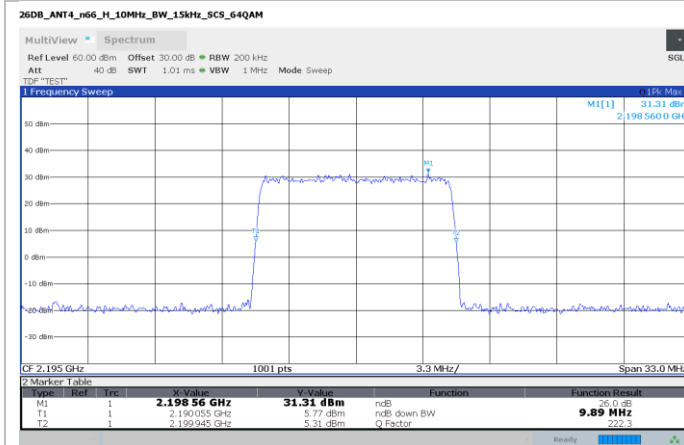
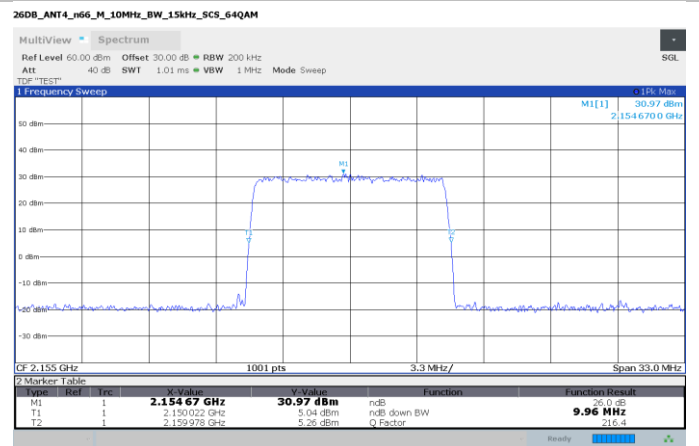
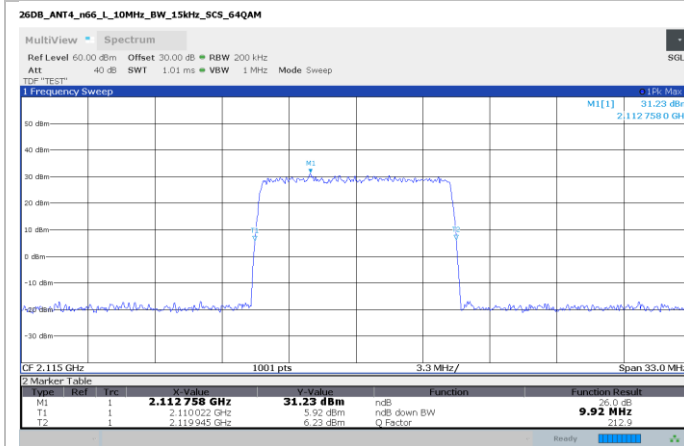
Band n66

10 MHz



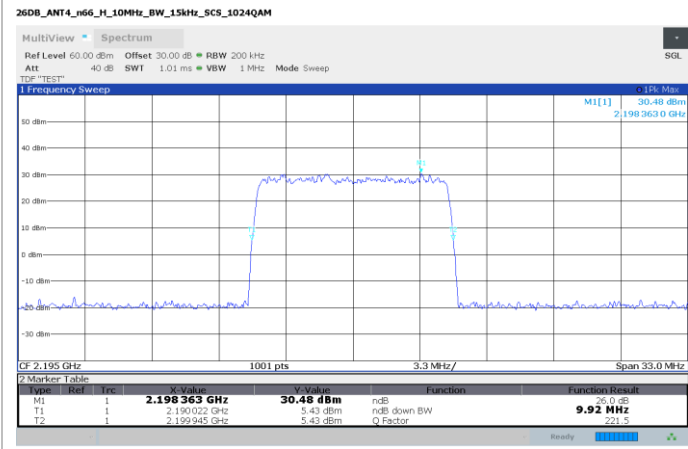
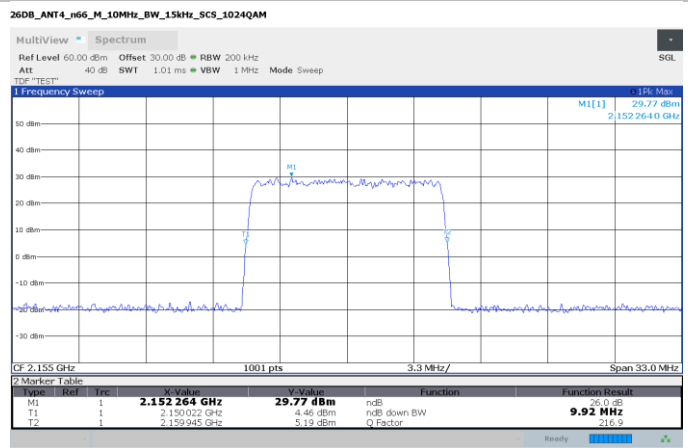
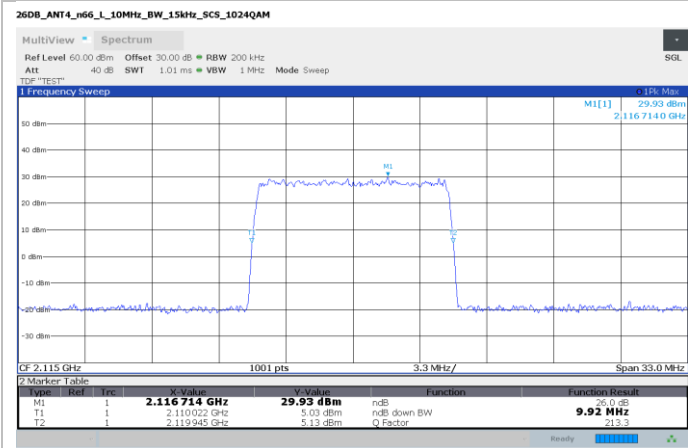
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FCC §27.53 (h)(3) 26 dB Occupied Bandwidth
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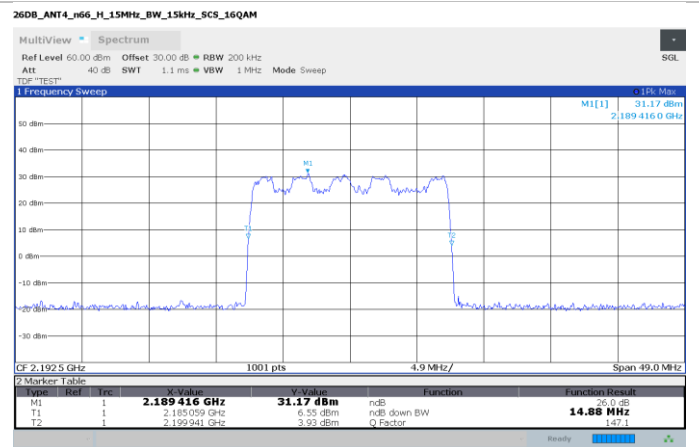
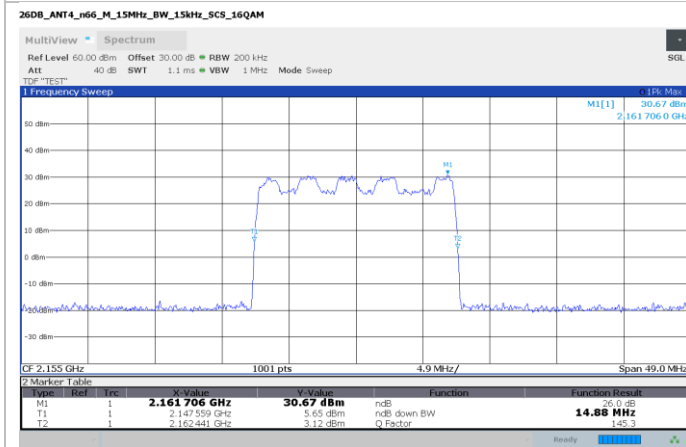
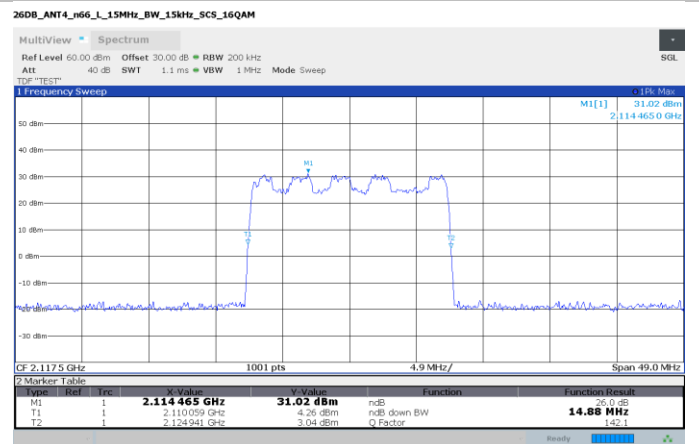
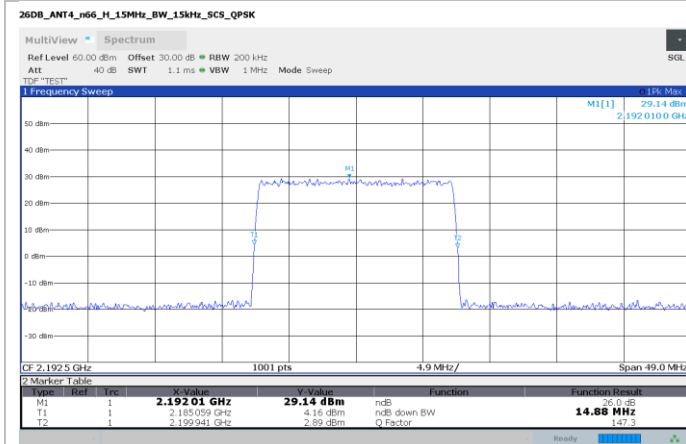
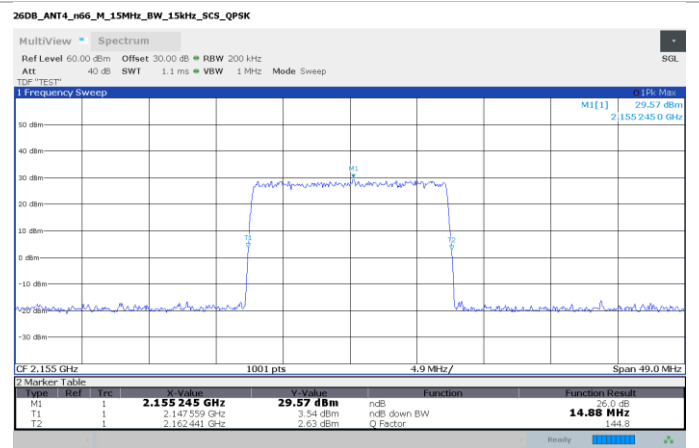
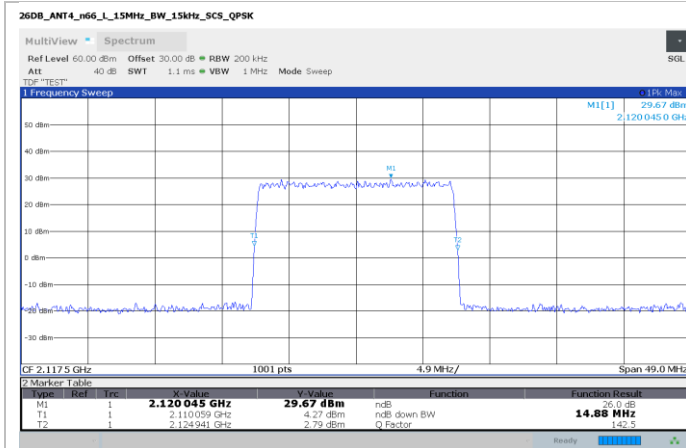
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FCC §27.53 (h)(3) 26 dB Occupied Bandwidth
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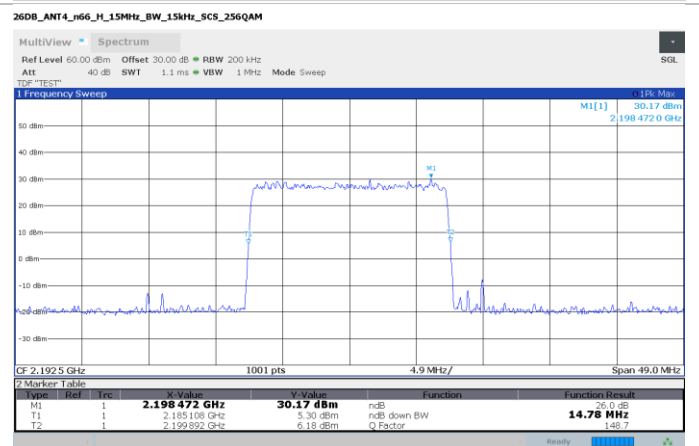
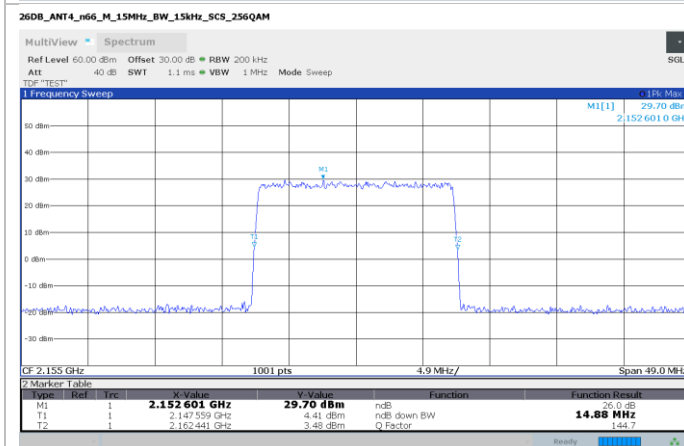
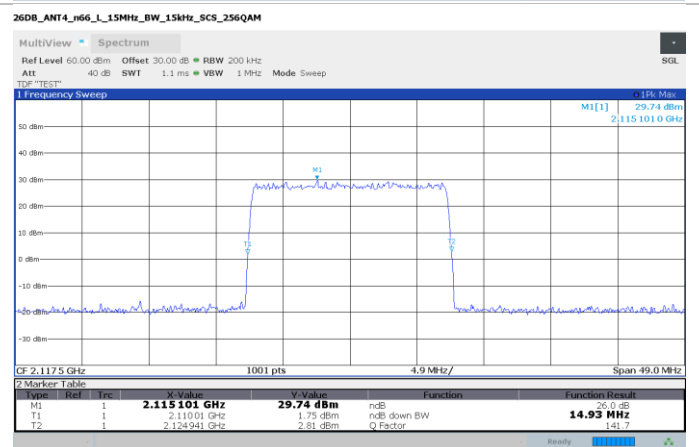
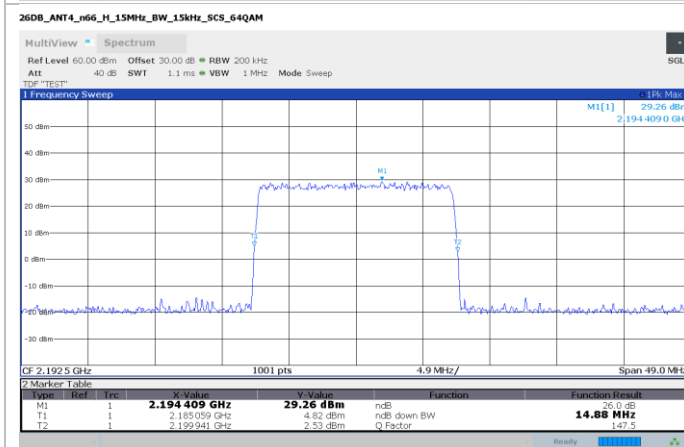
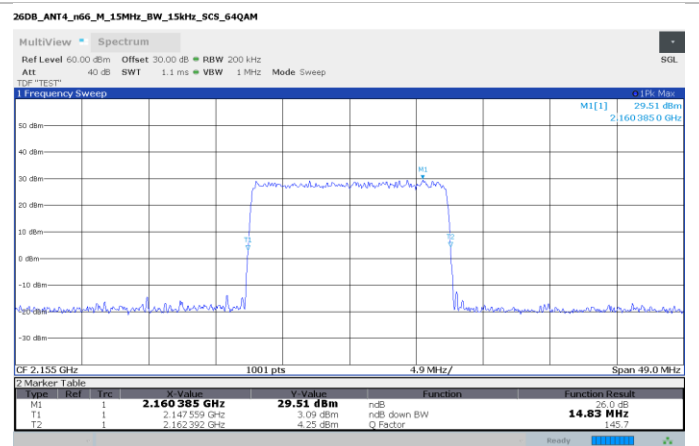
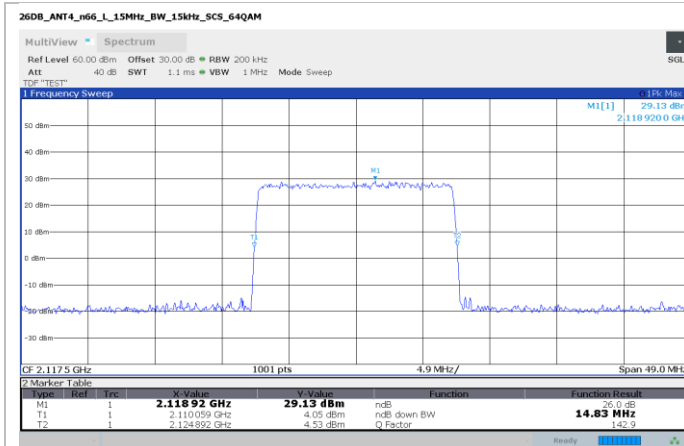
Band n66

15 MHz



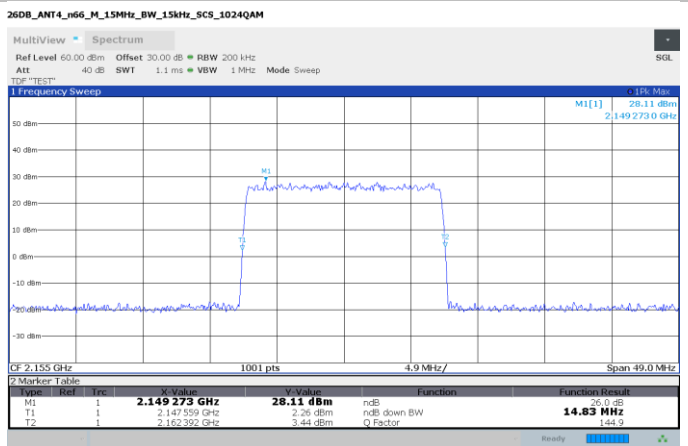
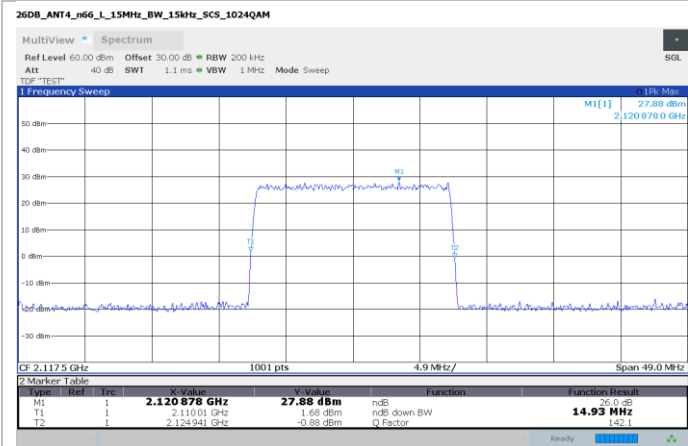
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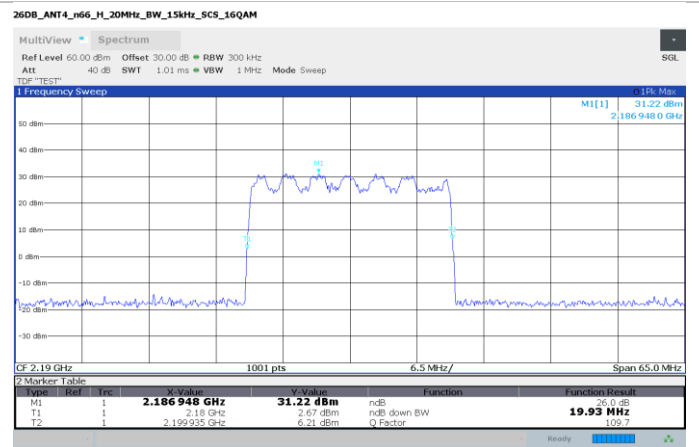
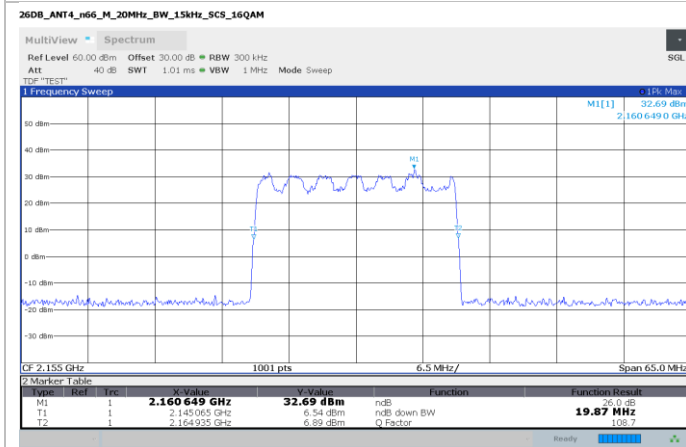
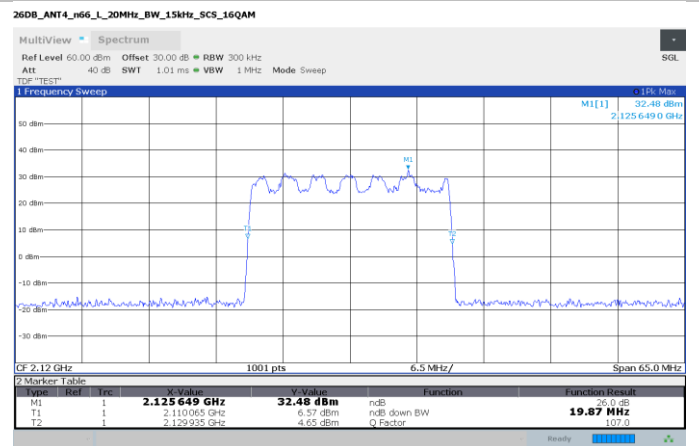
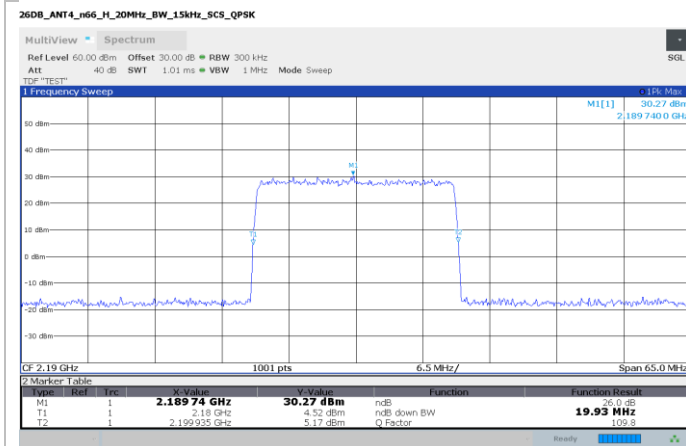
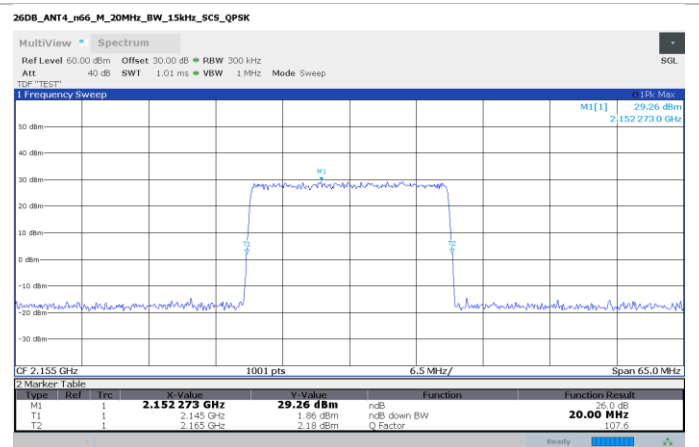
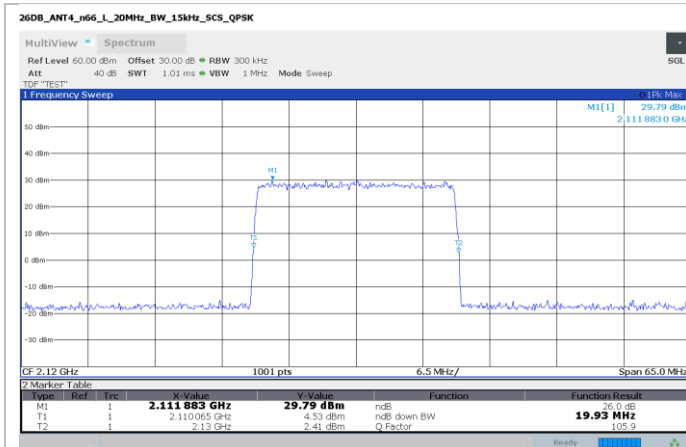
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Testing data
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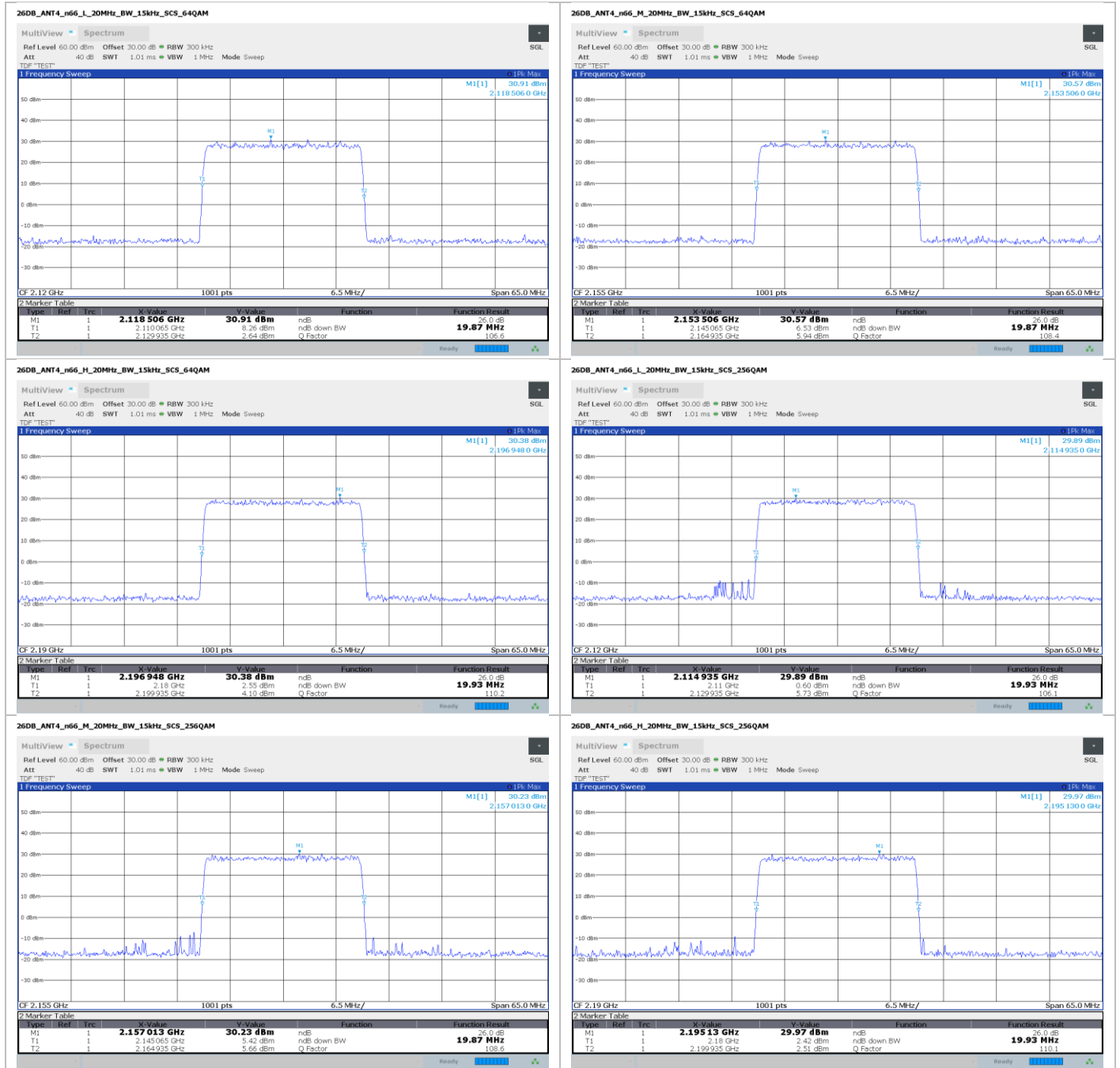
Band n66

20 MHz



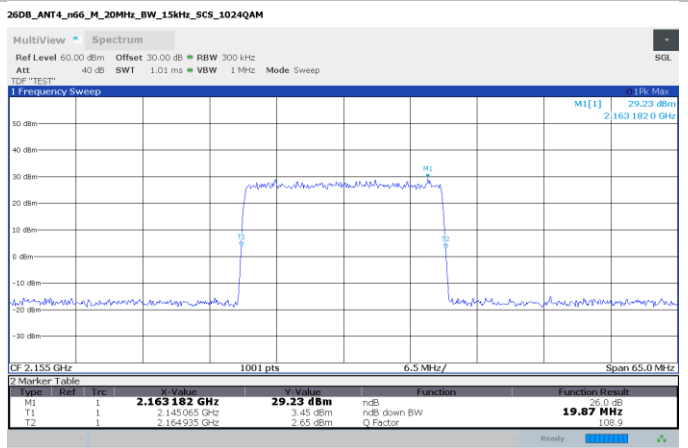
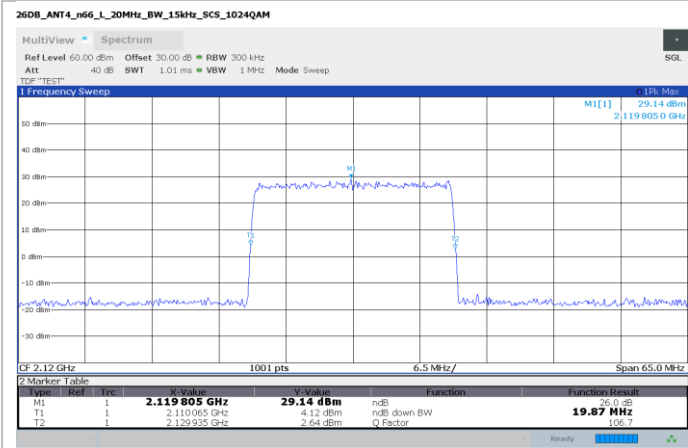
Section 8
Test name
Specification

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



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.

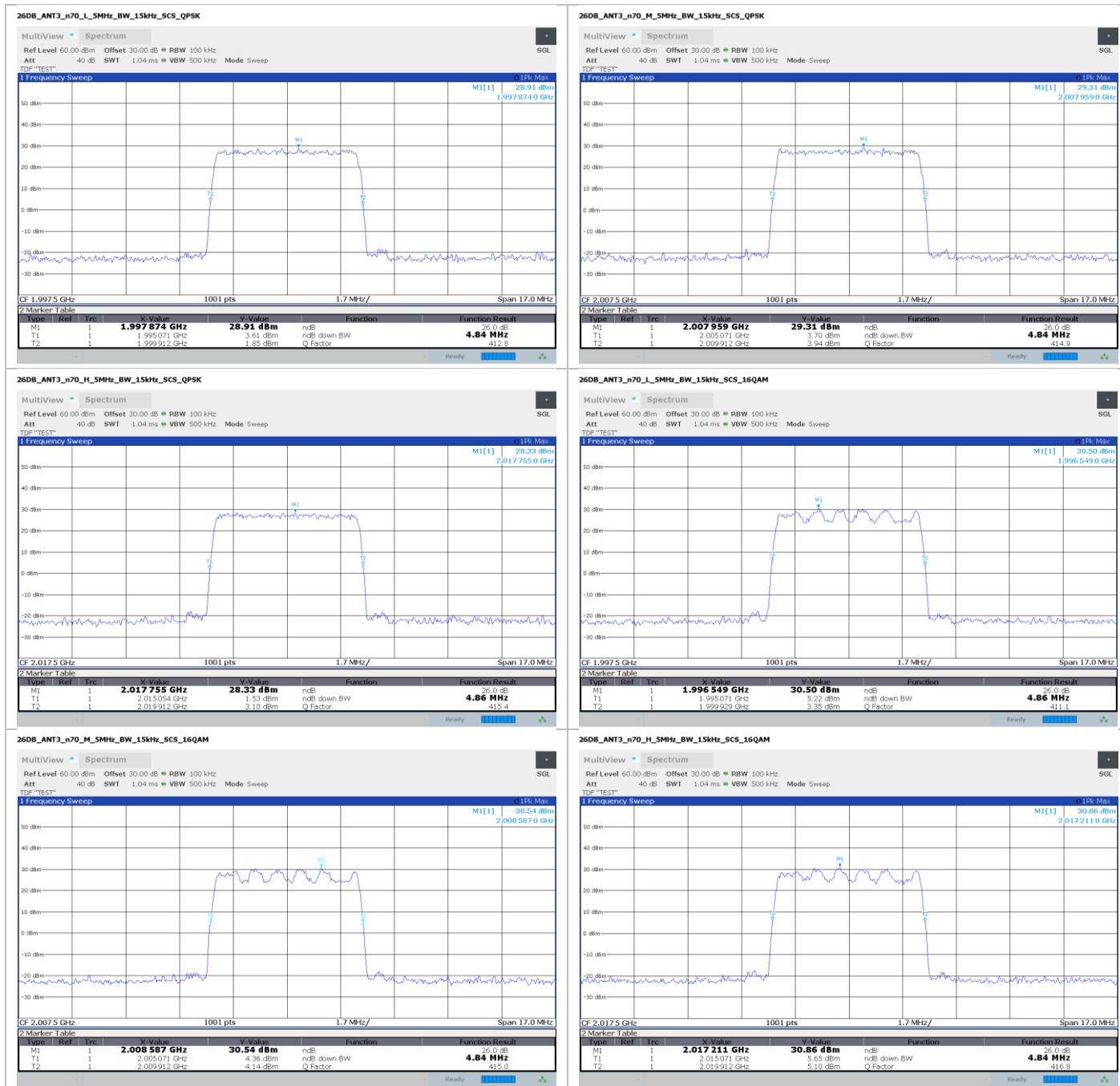
Section 8
Test name
Specification

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



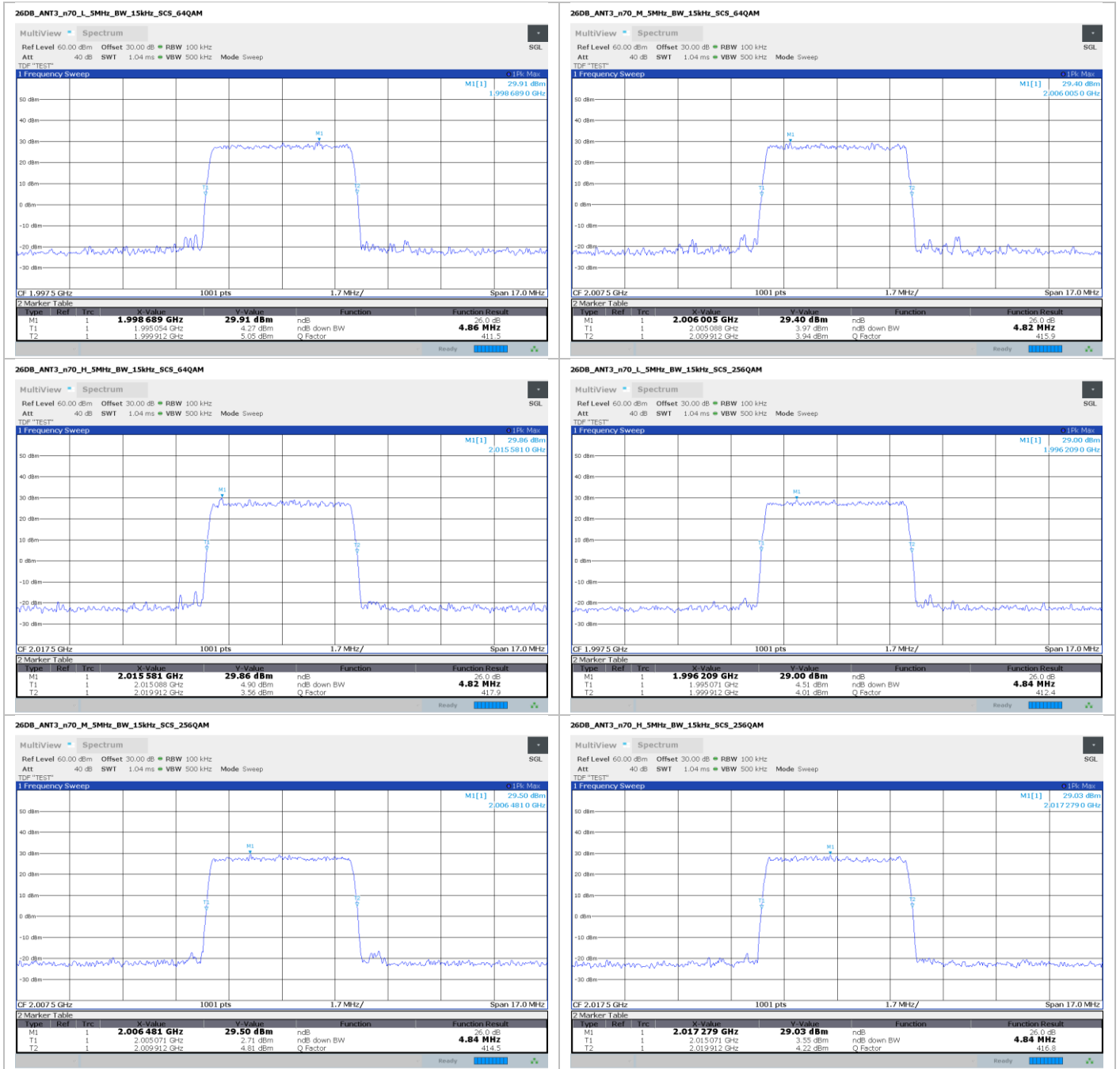
Band n70

5 MHz



Section 8
Test name
Specification

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



Section 8
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Specification

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