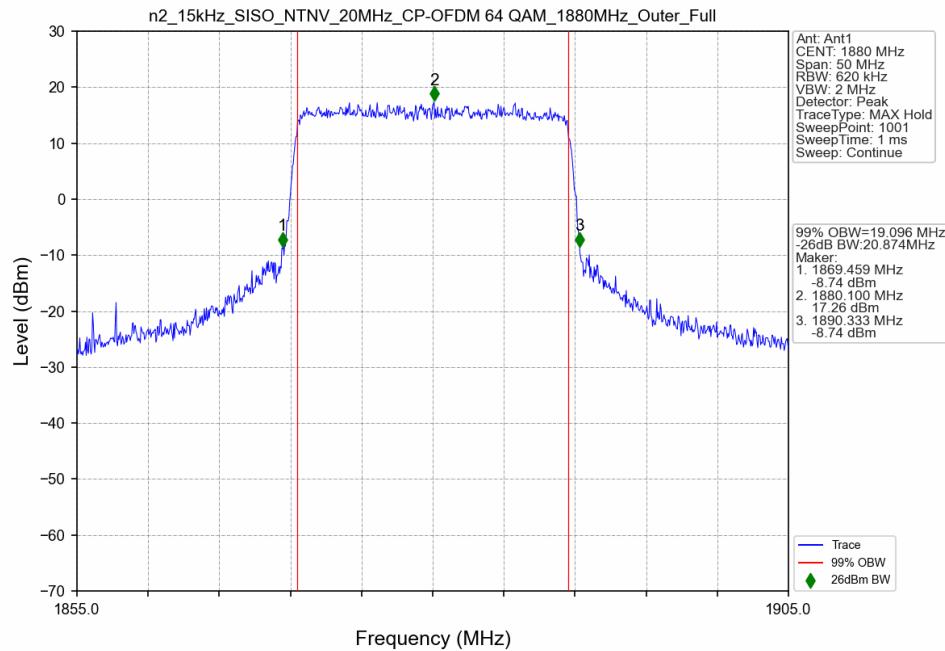
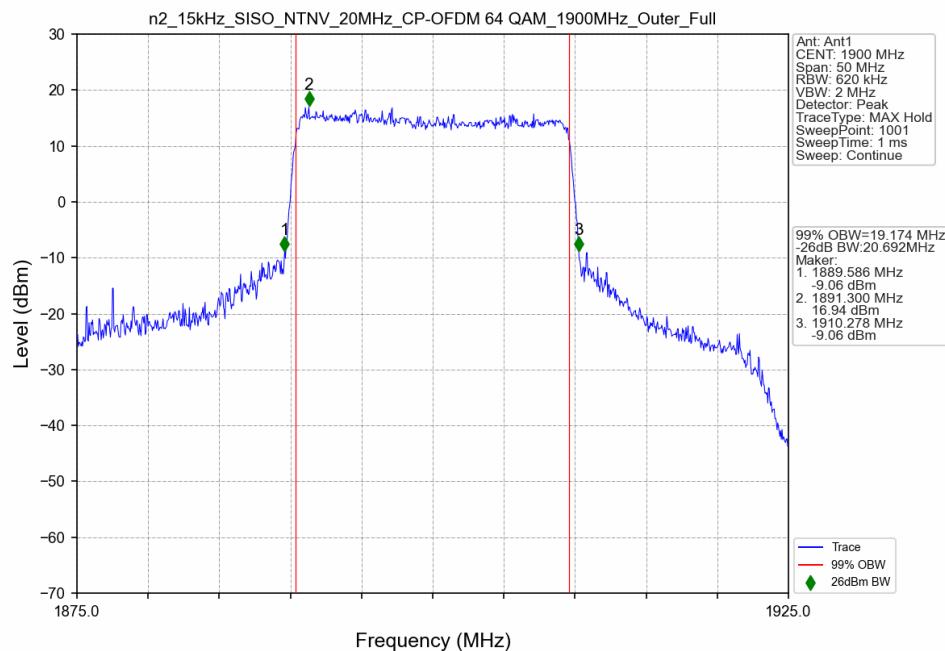


## n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_1880MHz\_Outer\_Full



## n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_1900MHz\_Outer\_Full



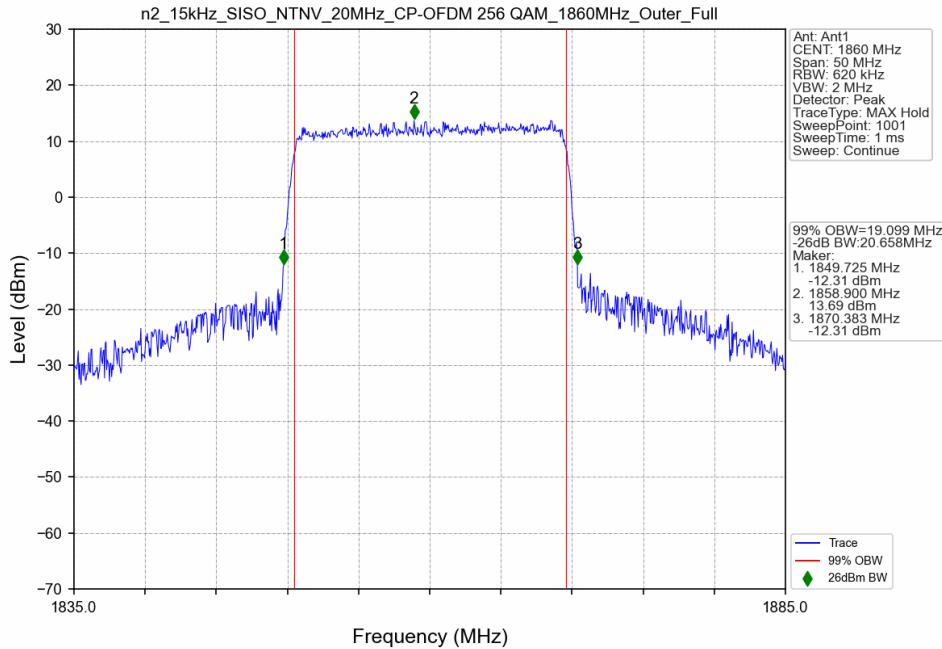
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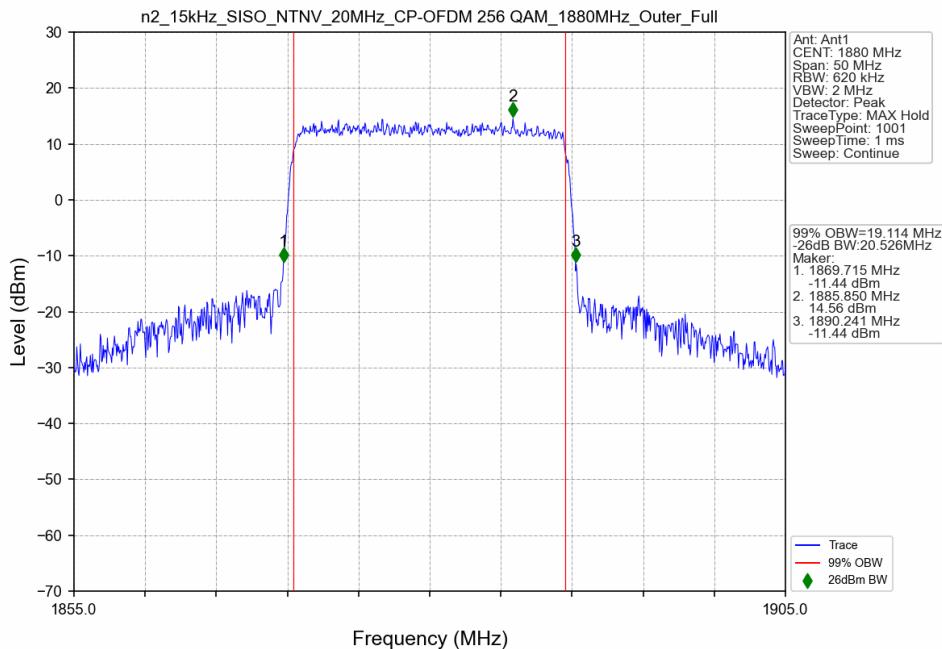
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## n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_1860MHz\_Outer\_Full



## n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_1880MHz\_Outer\_Full

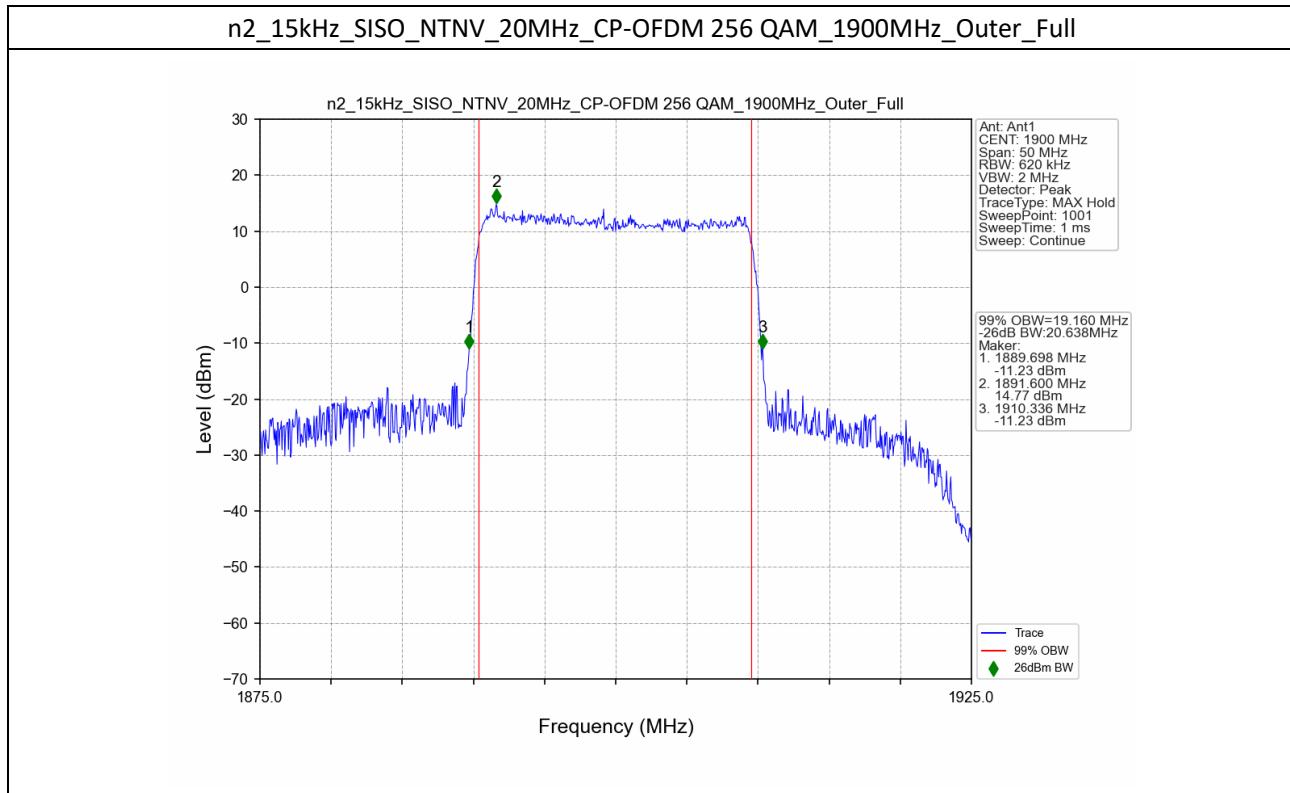


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## 4. Peak-Average Ratio

### 4.1 Test Result

#### 4.1.1 15k\_SISO\_20MHz\_NTNV

Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1860	Outer_Full	3.89	/	/	<=13	Pass
	1880	Outer_Full	3.84	/	/	<=13	Pass
	1900	Outer_Full	4.11	/	/	<=13	Pass
DFT-s-OFDM QPSK	1860	Outer_Full	8.46	/	/	<=13	Pass
	1880	Outer_Full	12.60	/	/	<=13	Pass
	1900	Outer_Full	8.48	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1860	Outer_Full	8.46	/	/	<=13	Pass
	1880	Outer_Full	5.65	/	/	<=13	Pass
	1900	Outer_Full	5.66	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1860	Outer_Full	5.90	/	/	<=13	Pass
	1880	Outer_Full	5.71	/	/	<=13	Pass
	1900	Outer_Full	5.88	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1860	Outer_Full	6.54	/	/	<=13	Pass
	1880	Outer_Full	6.53	/	/	<=13	Pass
	1900	Outer_Full	7.40	/	/	<=13	Pass
CP-OFDM QPSK	1860	Outer_Full	8.47	/	/	<=13	Pass
	1880	Outer_Full	8.00	/	/	<=13	Pass
	1900	Outer_Full	11.58	/	/	<=13	Pass
CP-OFDM 16 QAM	1860	Outer_Full	6.66	/	/	<=13	Pass
	1880	Outer_Full	6.83	/	/	<=13	Pass
	1900	Outer_Full	7.08	/	/	<=13	Pass
CP-OFDM 64 QAM	1860	Outer_Full	6.97	/	/	<=13	Pass
	1880	Outer_Full	6.70	/	/	<=13	Pass
	1900	Outer_Full	7.13	/	/	<=13	Pass
CP-OFDM 256 QAM	1860	Outer_Full	8.47	/	/	<=13	Pass
	1880	Outer_Full	8.48	/	/	<=13	Pass
	1900	Outer_Full	8.58	/	/	<=13	Pass

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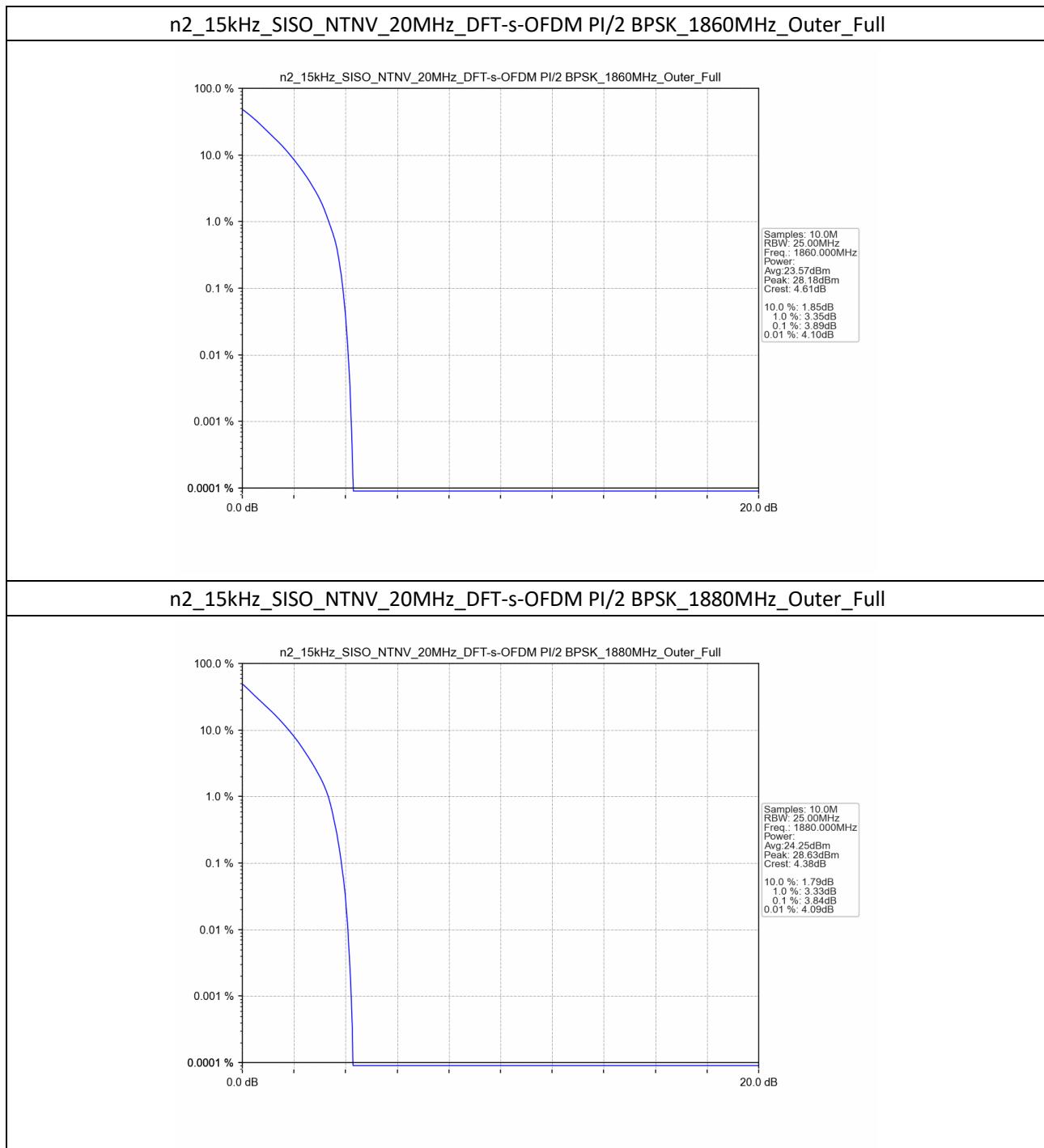


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## 4.2 Test Graph

## 4.2.1 15k\_SISO\_20MHz\_NTNV



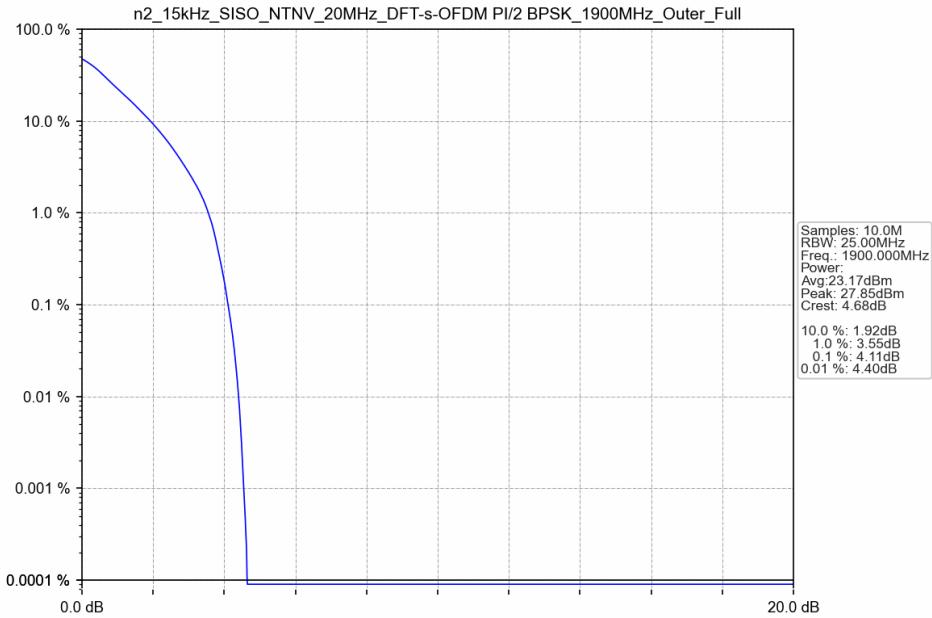
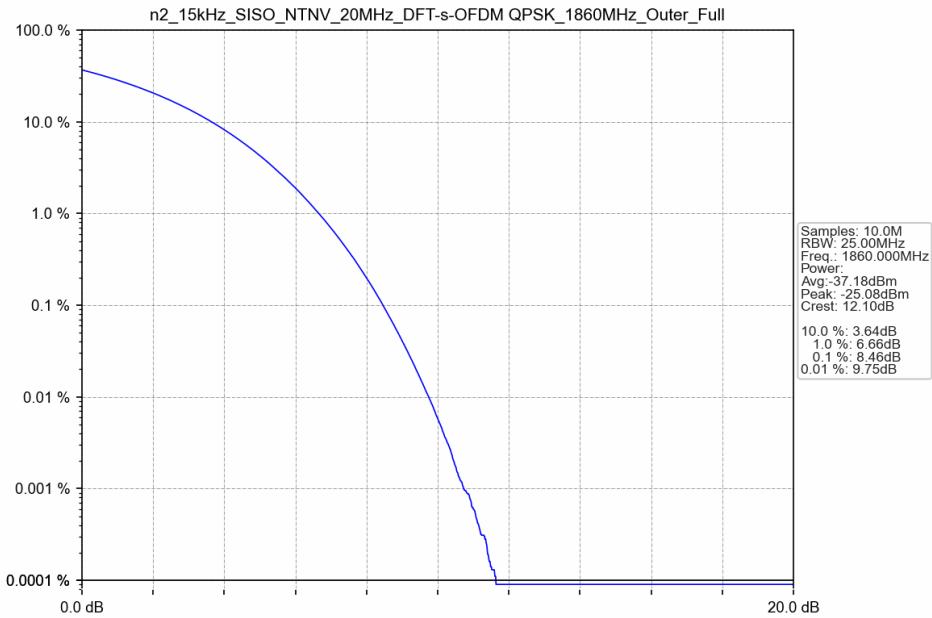
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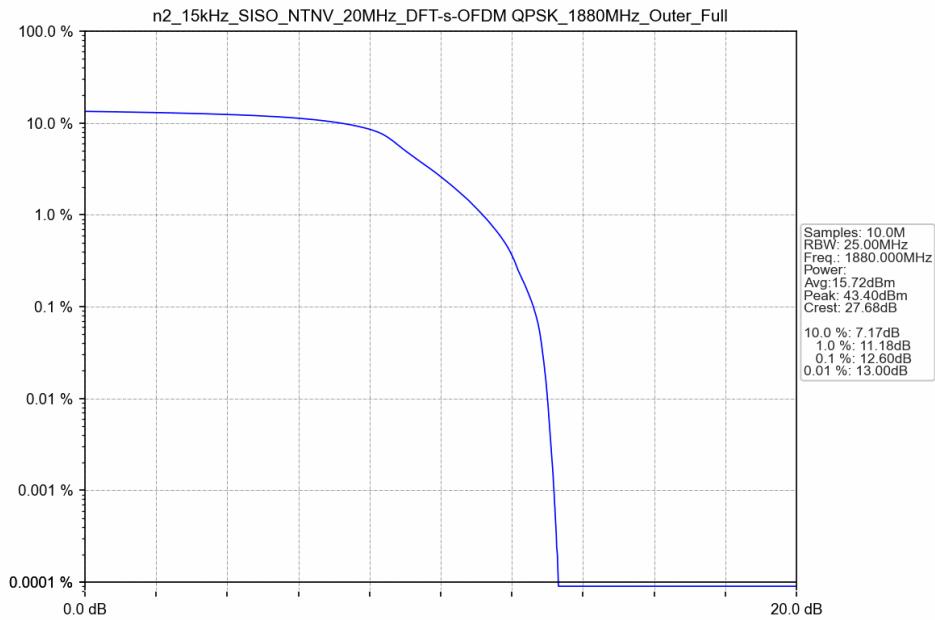
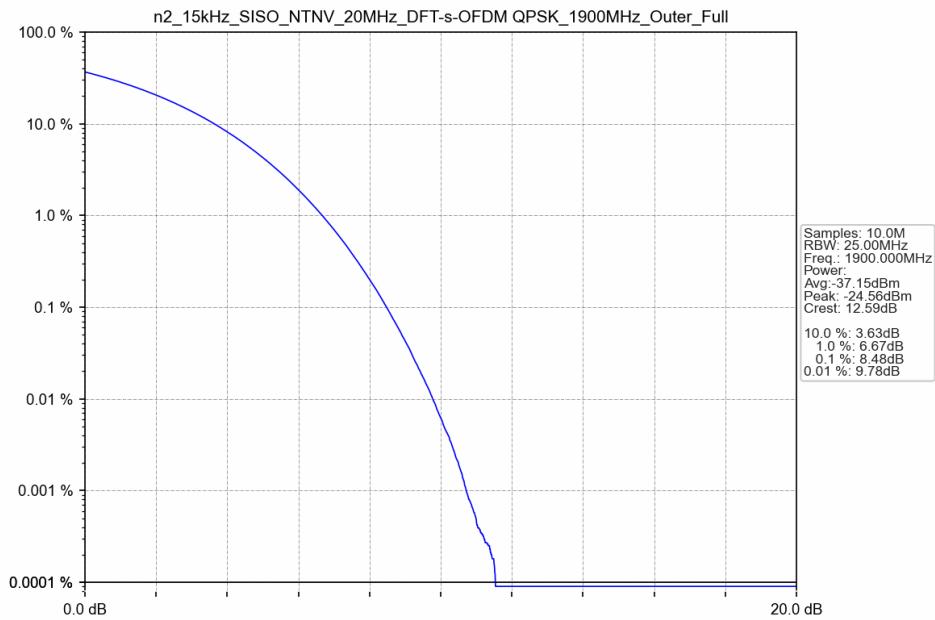
**n2\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_1900MHz\_Outer\_Full****n2\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_1860MHz\_Outer\_Full**

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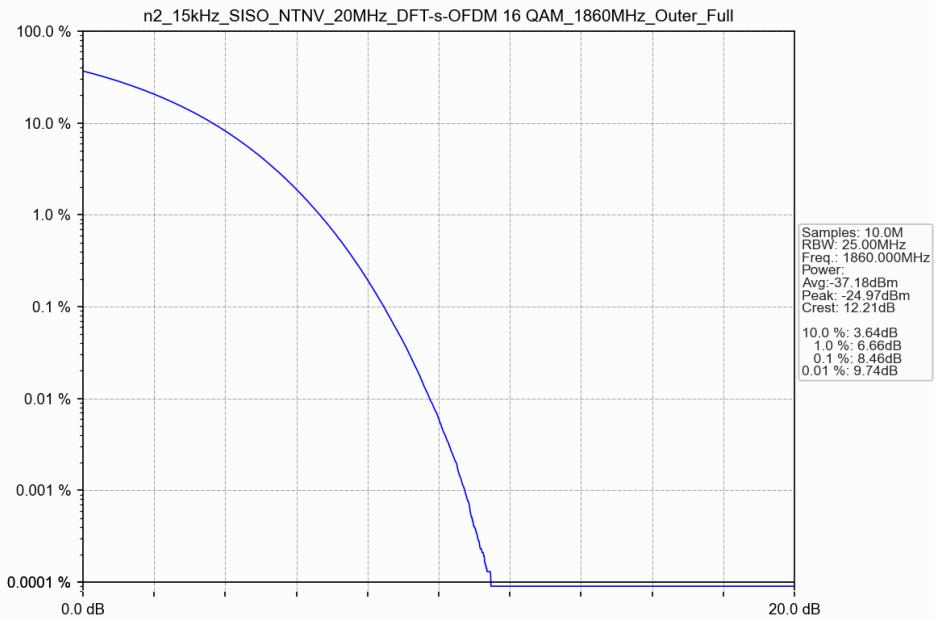
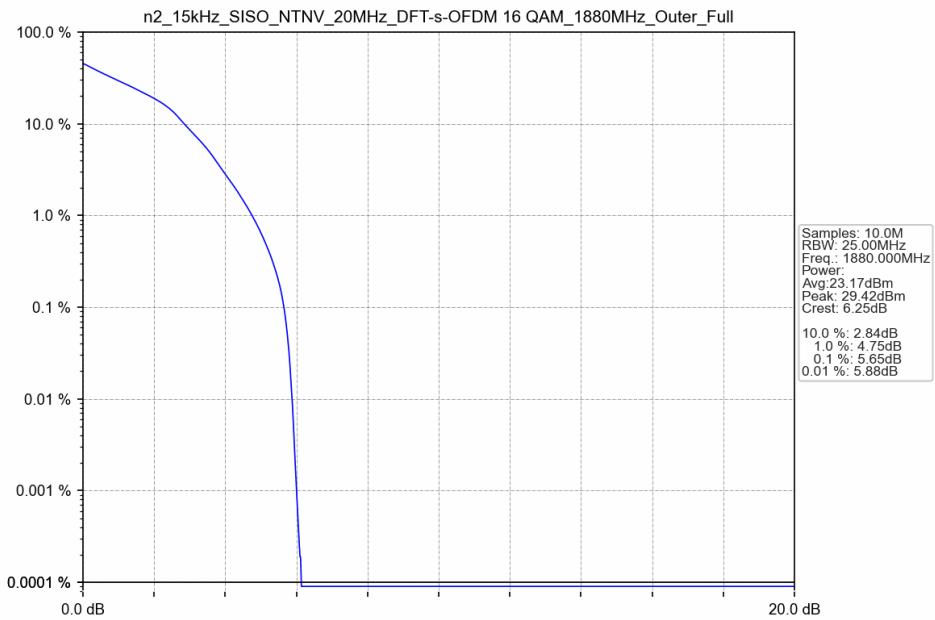
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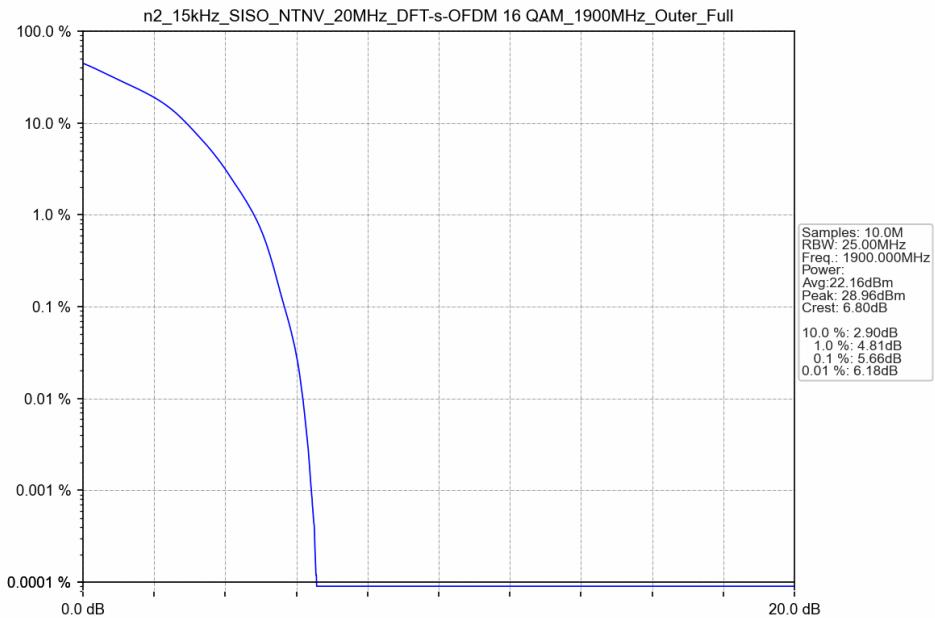
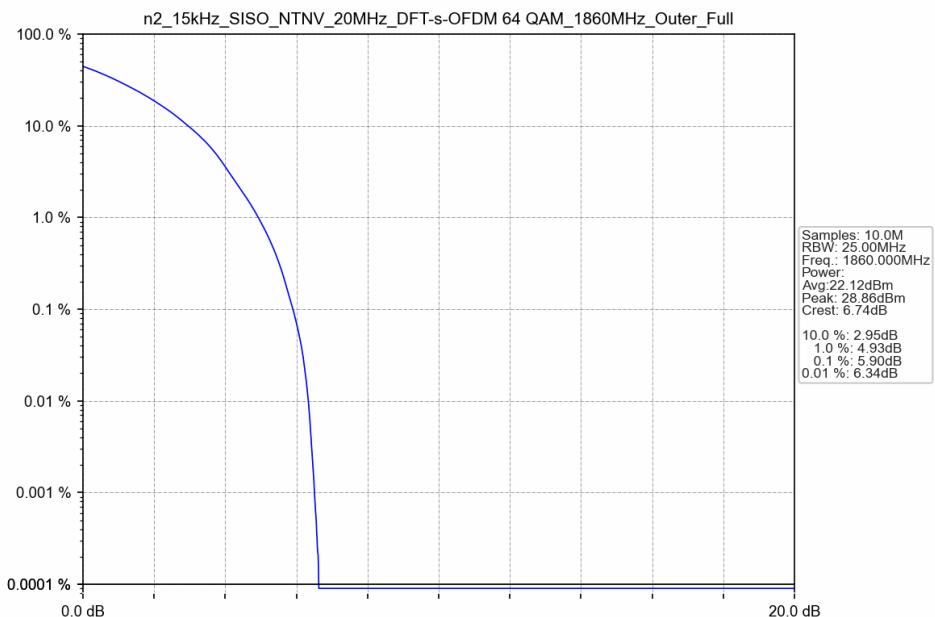
**n2\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_1860MHz\_Outer\_Full****n2\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_1880MHz\_Outer\_Full**

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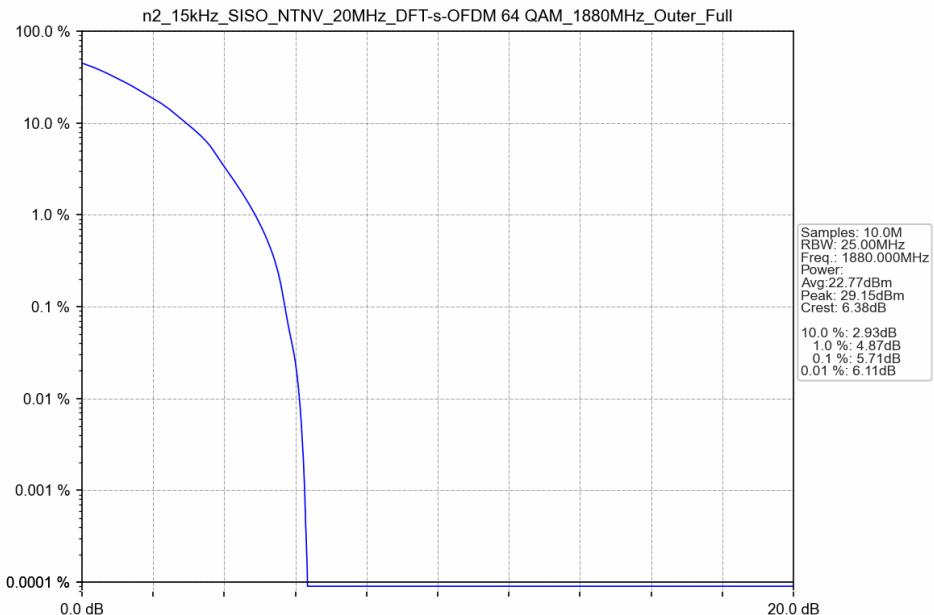
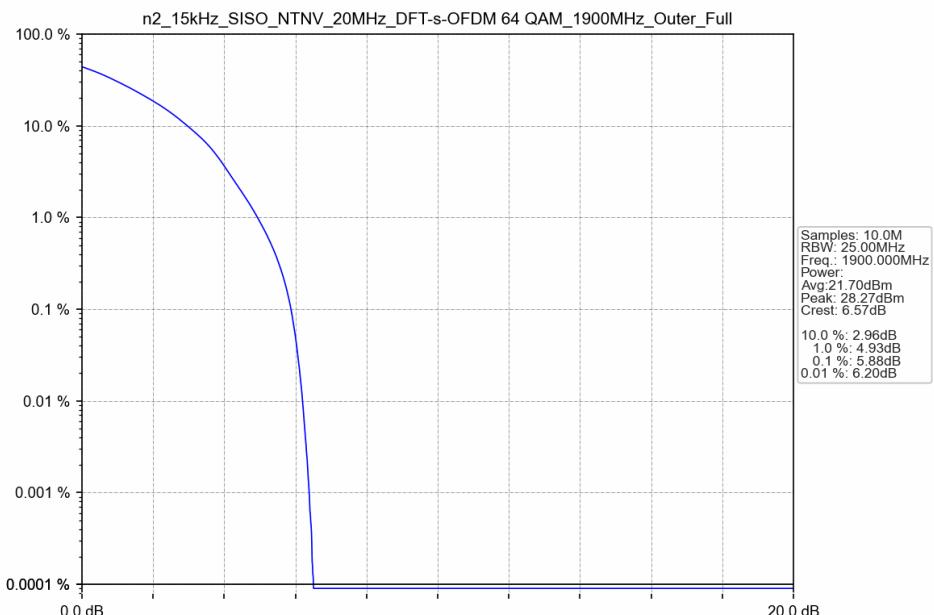
**n2\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_1900MHz\_Outer\_Full****n2\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_1860MHz\_Outer\_Full**

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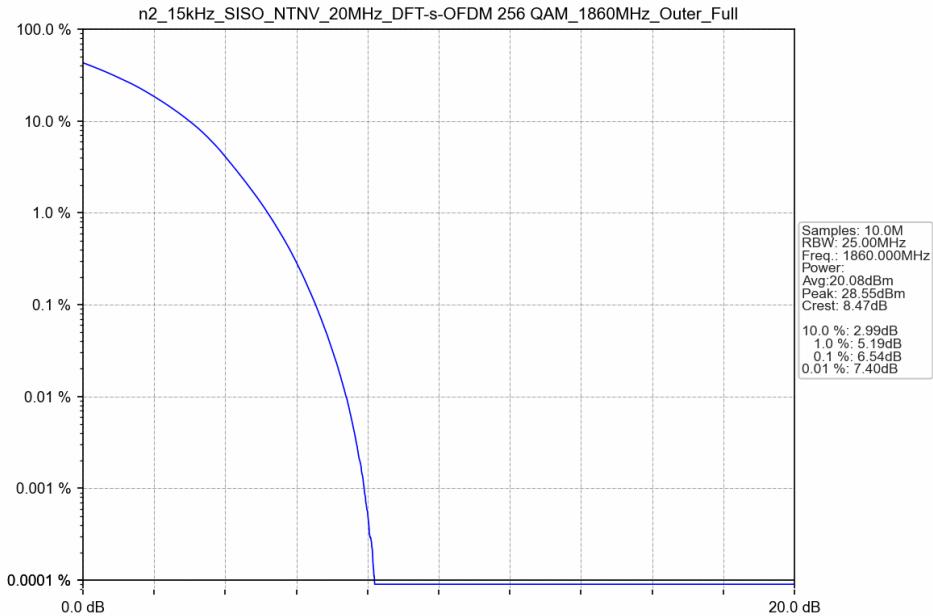
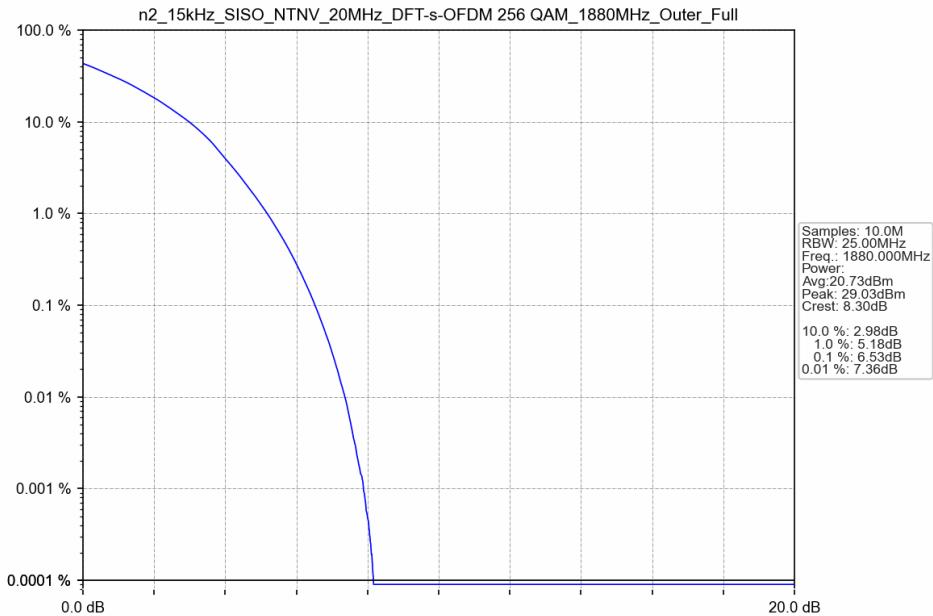
**n2\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_1880MHz\_Outer\_Full****n2\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_1900MHz\_Outer\_Full**

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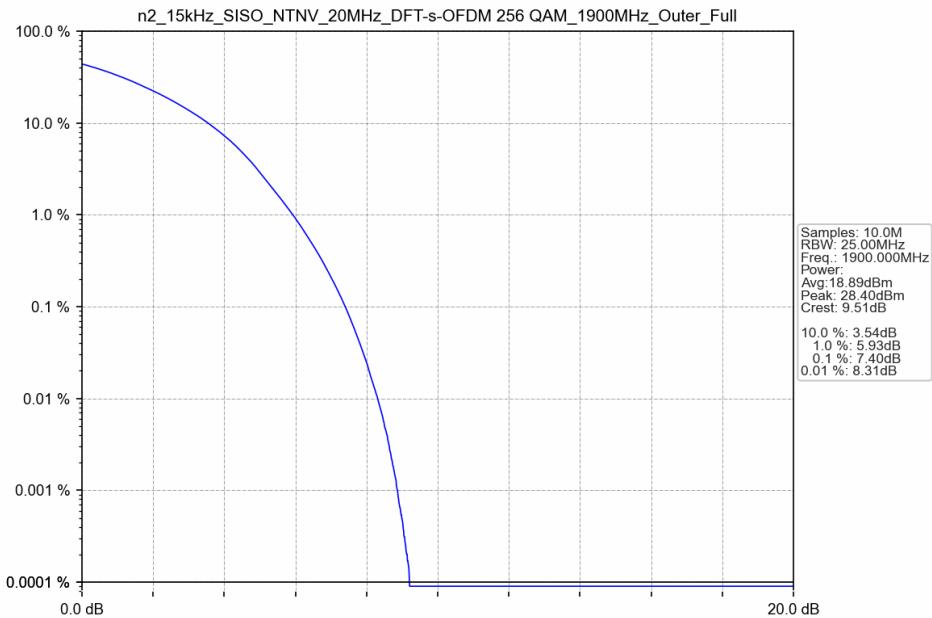
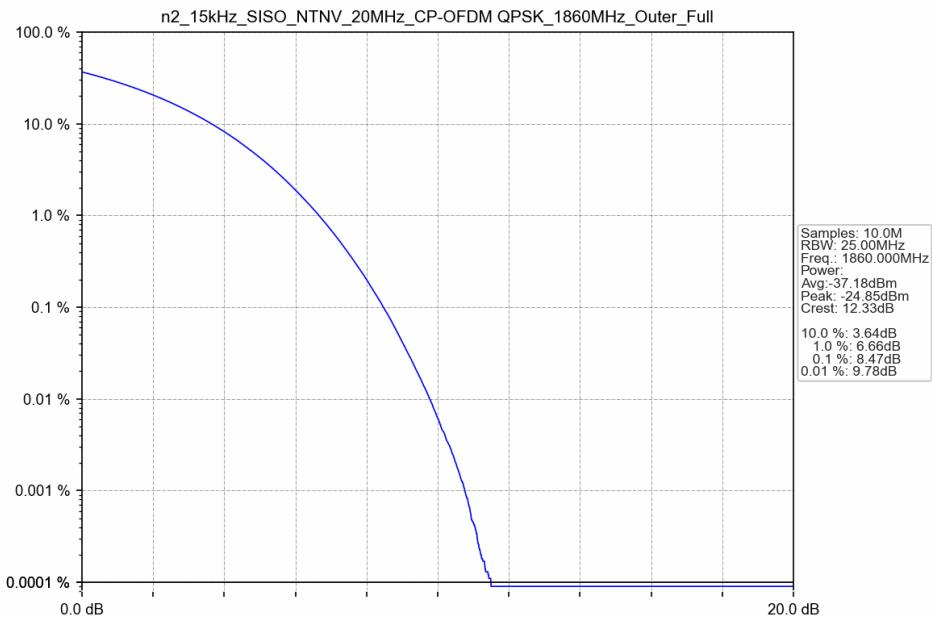
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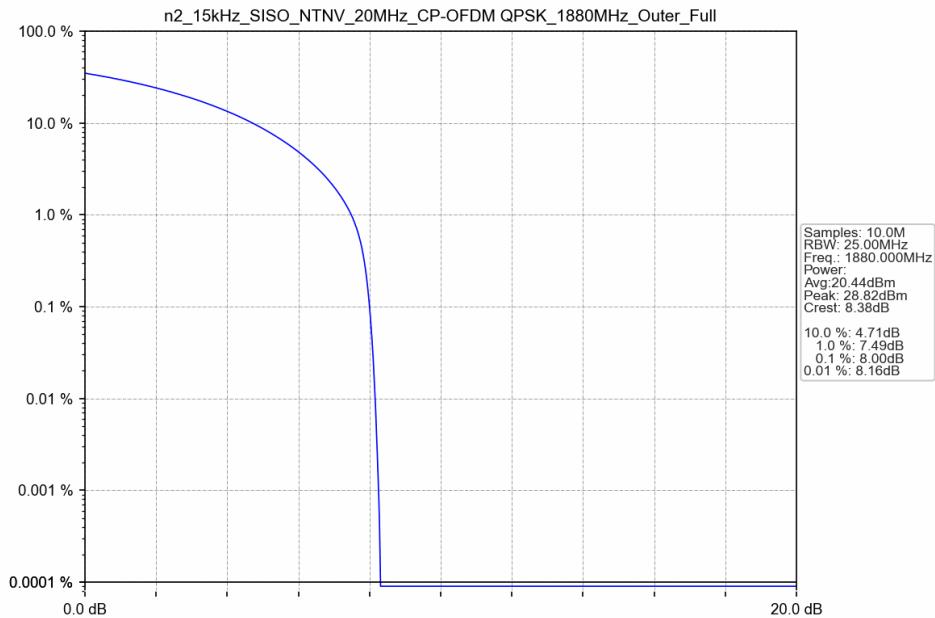
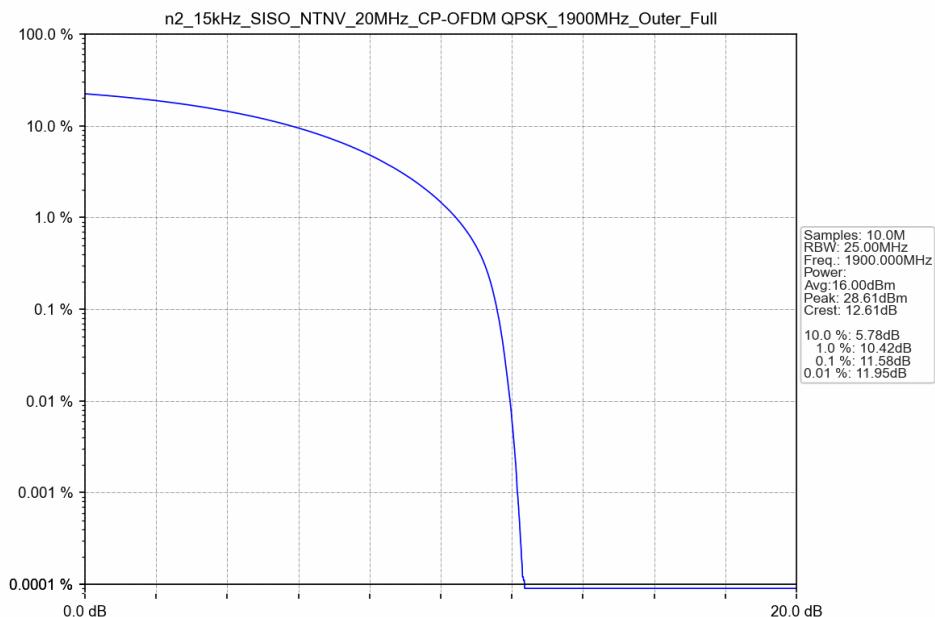
**n2\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_1900MHz\_Outer\_Full****n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_1860MHz\_Outer\_Full**

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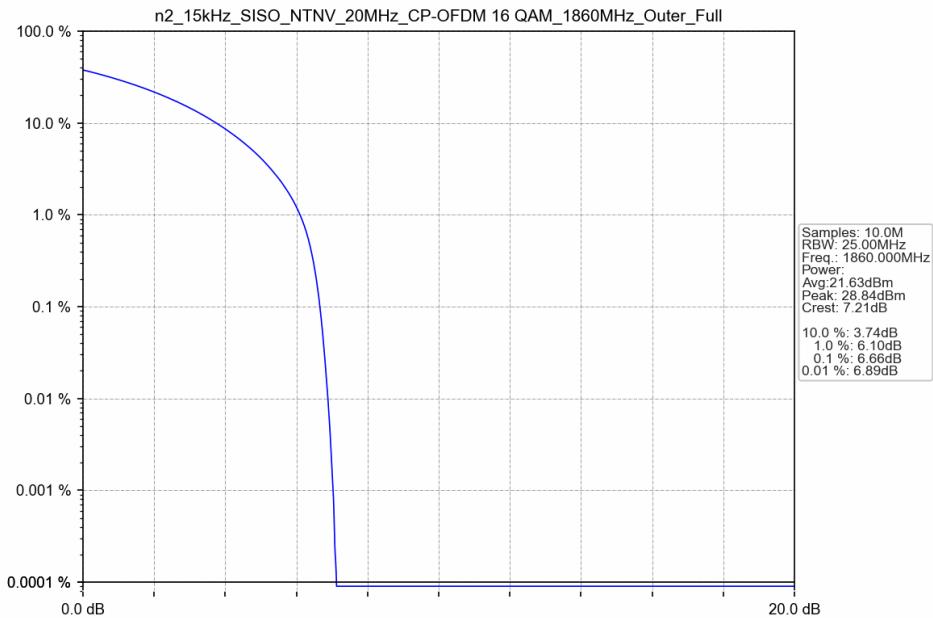
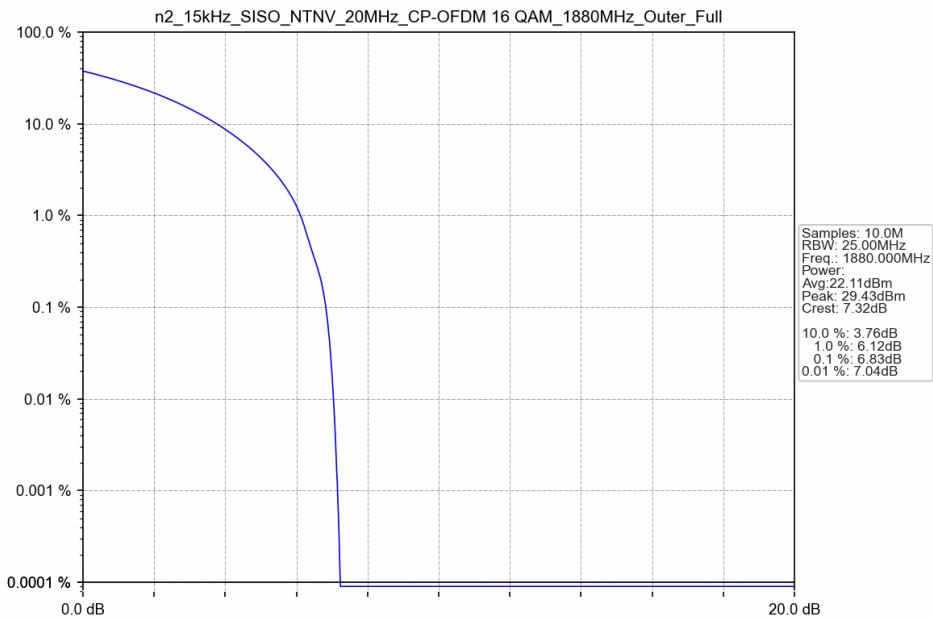
**n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_1880MHz\_Outer\_Full****n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_1900MHz\_Outer\_Full**

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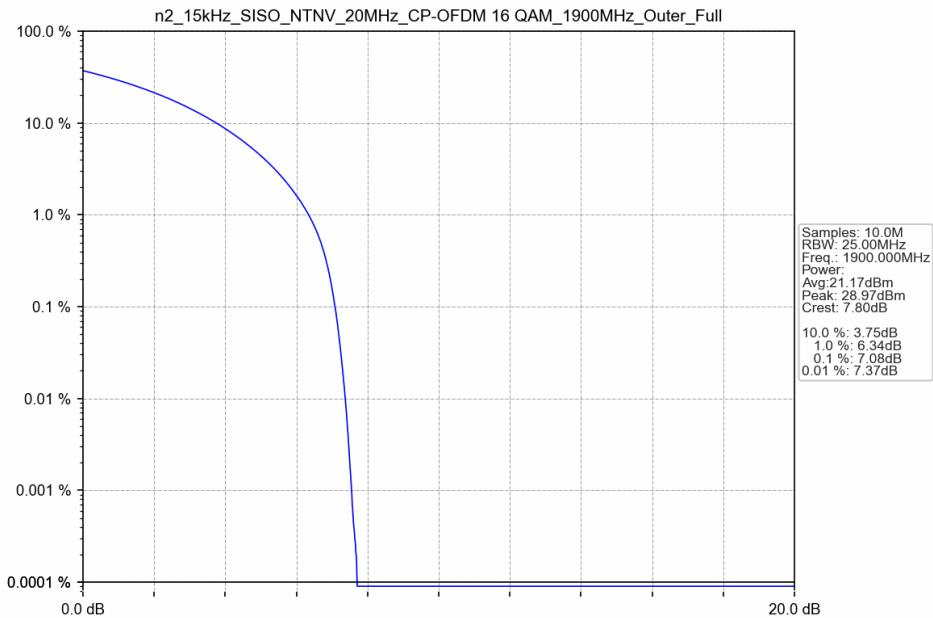
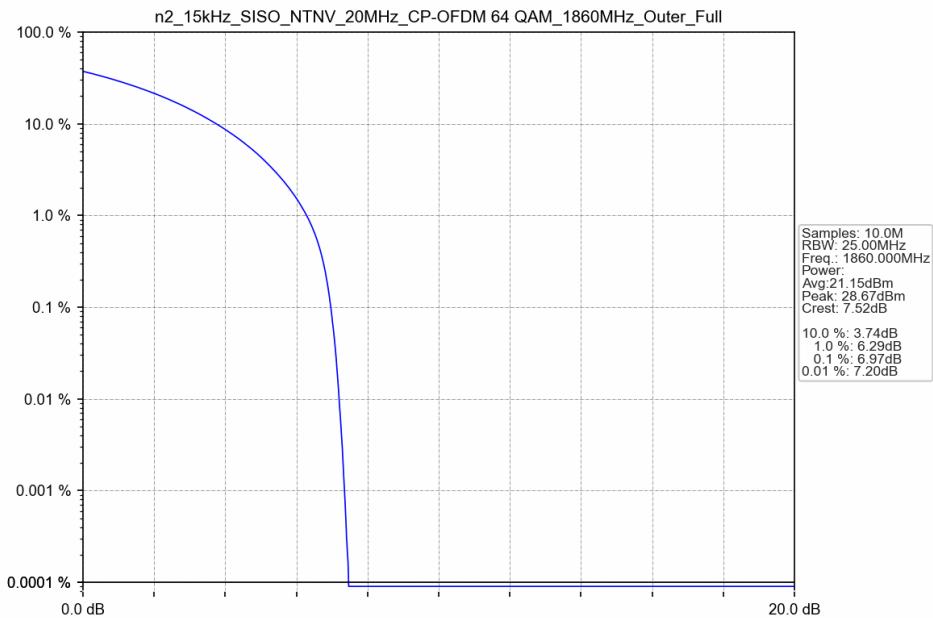
**n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_1860MHz\_Outer\_Full****n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_1880MHz\_Outer\_Full**

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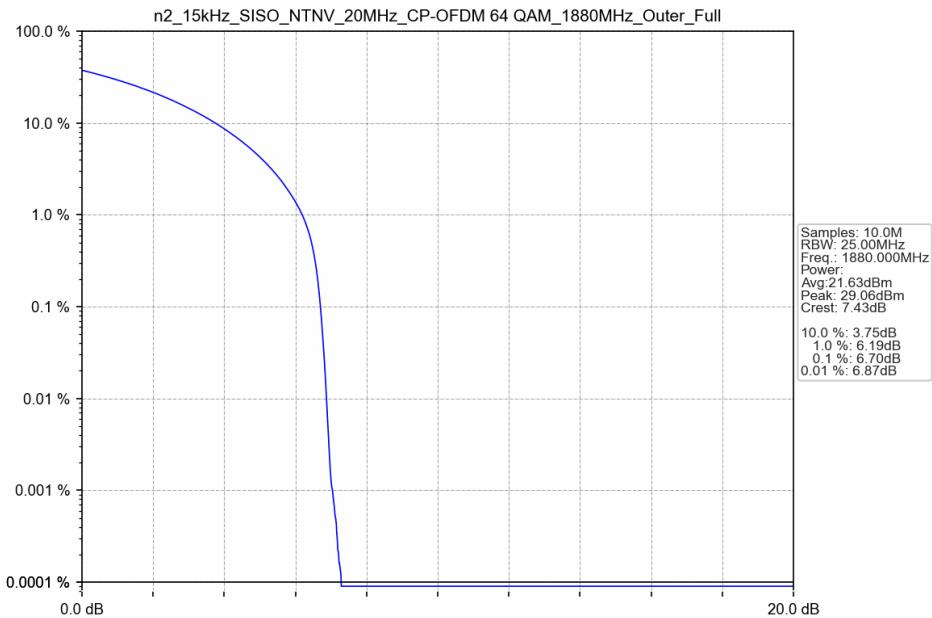
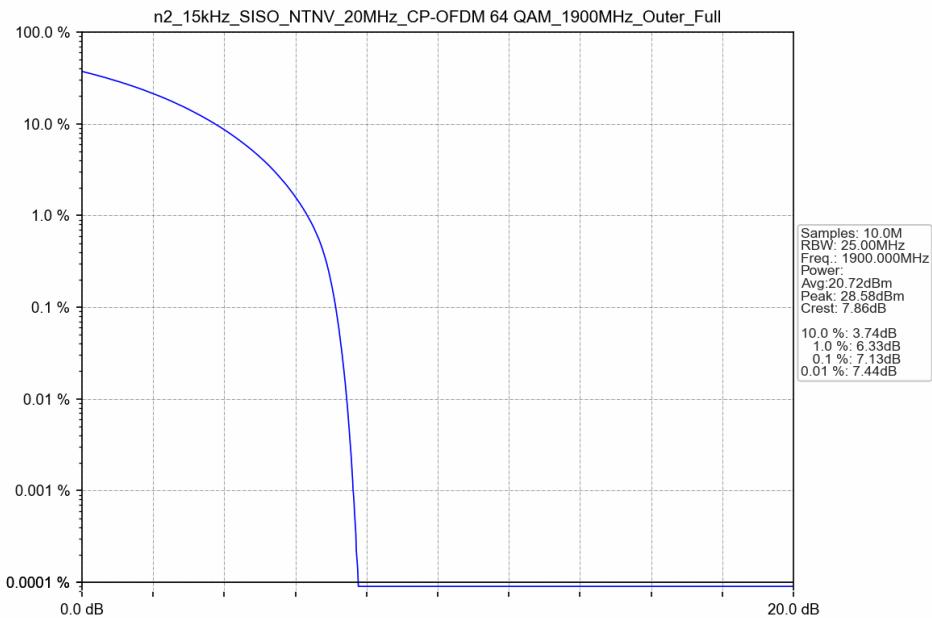
**n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_1900MHz\_Outer\_Full****n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_1860MHz\_Outer\_Full**

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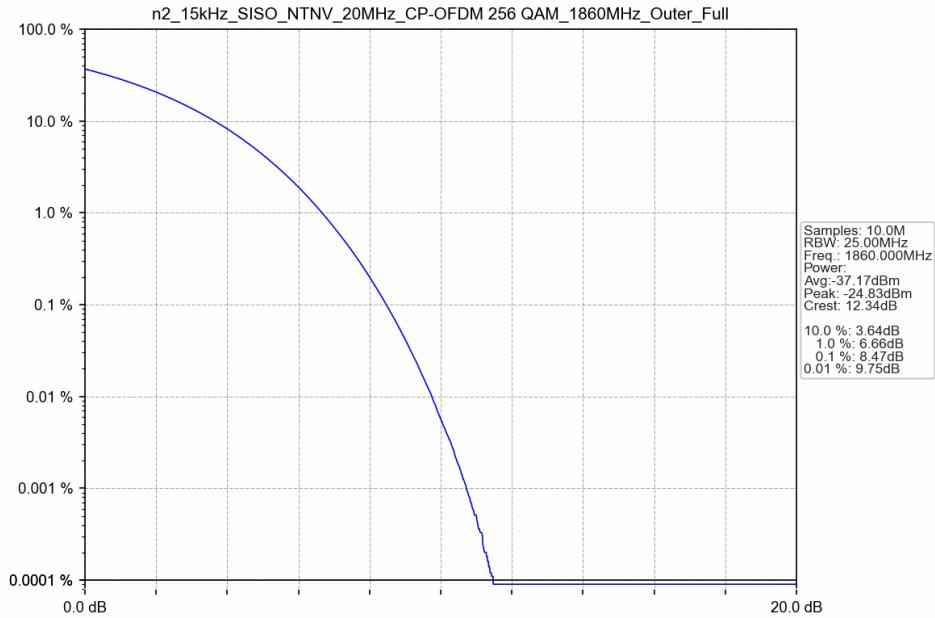
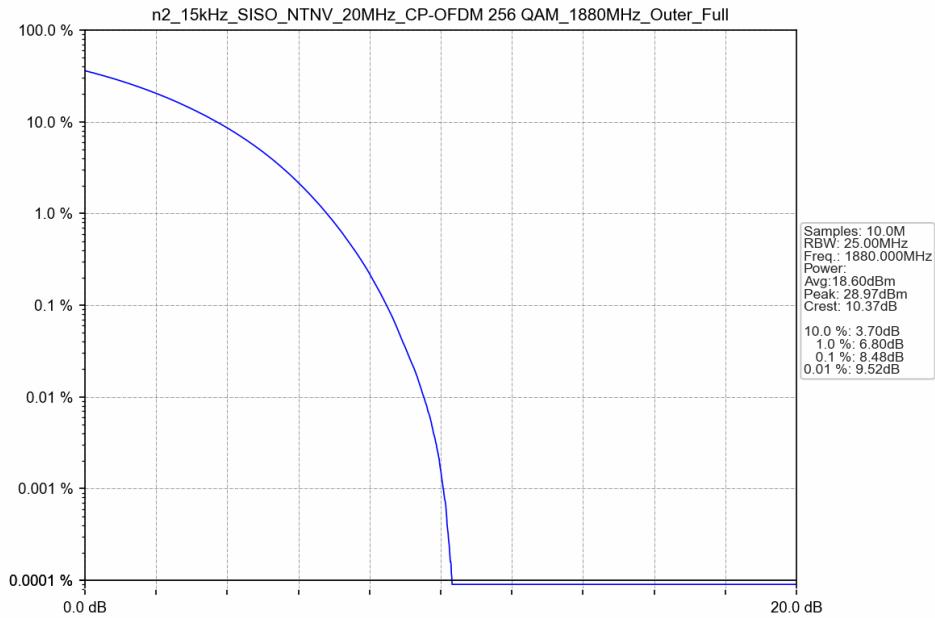
**n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_1880MHz\_Outer\_Full****n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_1900MHz\_Outer\_Full**

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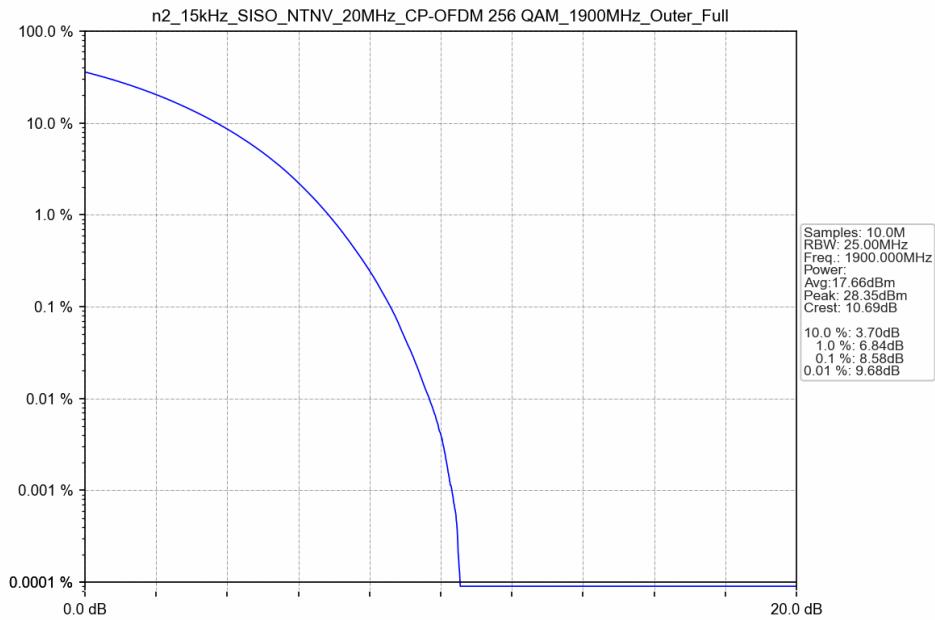
**n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_1860MHz\_Outer\_Full****n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_1880MHz\_Outer\_Full**

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**n2\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_1900MHz\_Outer\_Full**

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## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 15k\_SISO\_5MHz\_NTNV

5G NR n2 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1852.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	1907.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	1852.5	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	1907.5	Inner_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	1852.5	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	1907.5	Inner_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

#### 5.1.2 15k\_SISO\_10MHz\_NTNV

5G NR n2 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2	1855	Edge_1RB_Left	Refer To Test Graph				Pass



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BPSK		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
	1880	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
DFT-s-OFDM QPSK	1855	Edge_1RB_Left	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
	1880	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
CP-OFDM QPSK	1855	Inner_1RB_Right	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
	1880	Inner_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
	1905	Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass

### 5.1.3 15k\_SISO\_15MHz\_NTNV

5G NR n2 SCS=15kHz SISO 15MHz Ntnv						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM PI/2 BPSK	1857.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	1880	Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	1902.5	Inner_1RB_Right	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
	1857.5	Inner_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
	1880	Inner_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
	1902.5	Outer_Full	Refer To Test Graph			Pass



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		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
CP-OFDM QPSK	1857.5	Edge_1RB_Left	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
	1880	Edge_1RB_Left	Refer To Test Graph	Pass
	1902.5	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass

### 5.1.4 15k\_SISO\_20MHz\_NTNV

5G NR n2 SCS=15kHz SISO 20MHz NTNV						Verdict
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			
			Ant1	Ant2	Sum	Limit
DFT-s-OFDM PI/2 BPSK	1860	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	1880	Edge_1RB_Left	Refer To Test Graph			Pass
	1900	Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	1860	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	1880	Edge_1RB_Left	Refer To Test Graph			Pass
	1900	Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass
CP-OFDM QPSK	1860	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	1880	Edge_1RB_Left	Refer To Test Graph			Pass
	1900	Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass



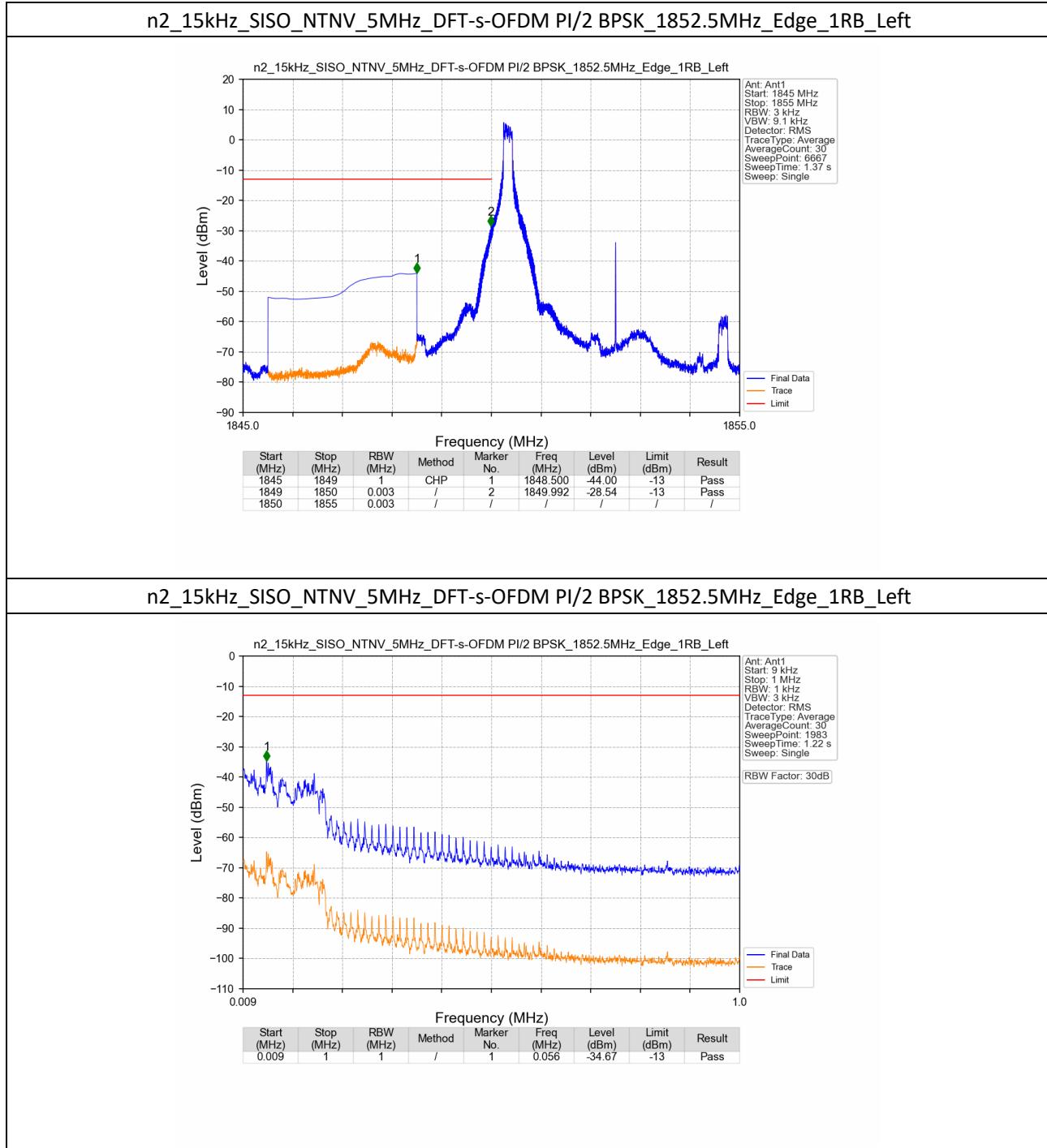
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## 5.2 Test Graph

## 5.2.1 15k\_SISO\_5MHz\_NTNV



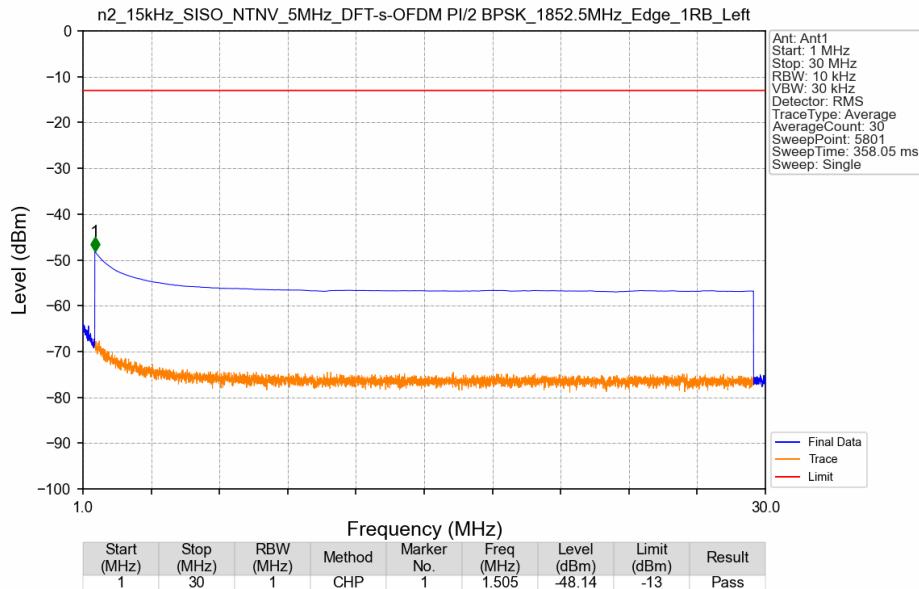
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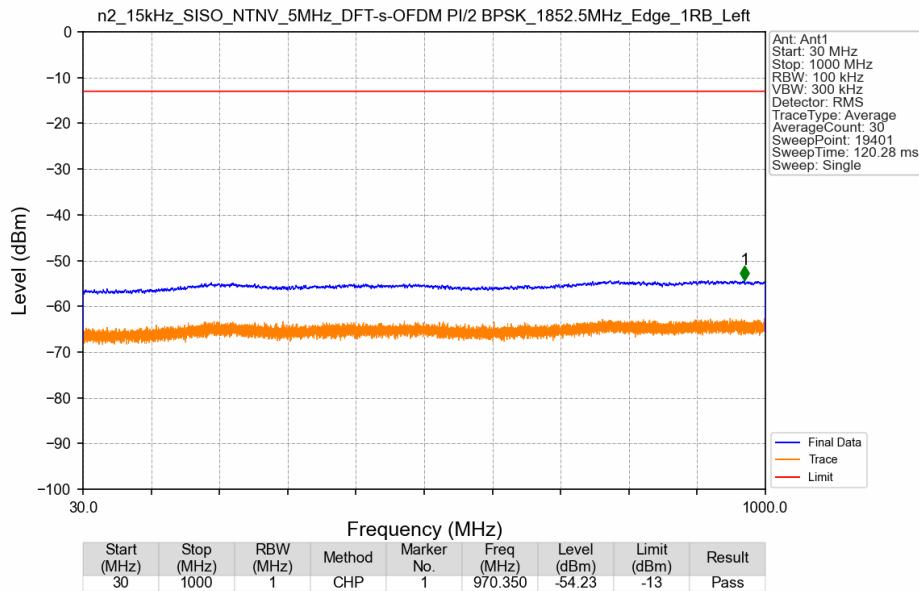
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1852.5MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1852.5MHz\_Edge\_1RB\_Left



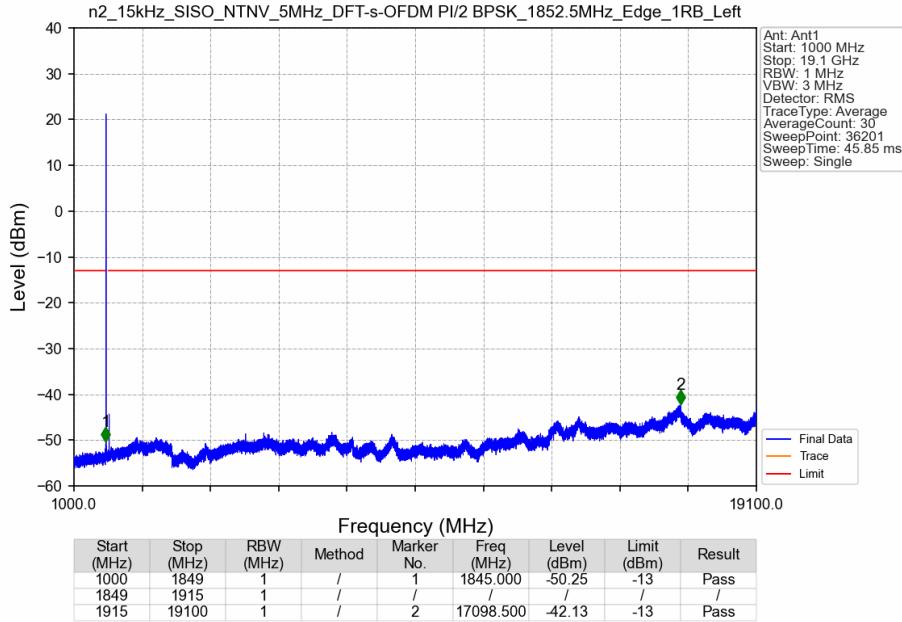
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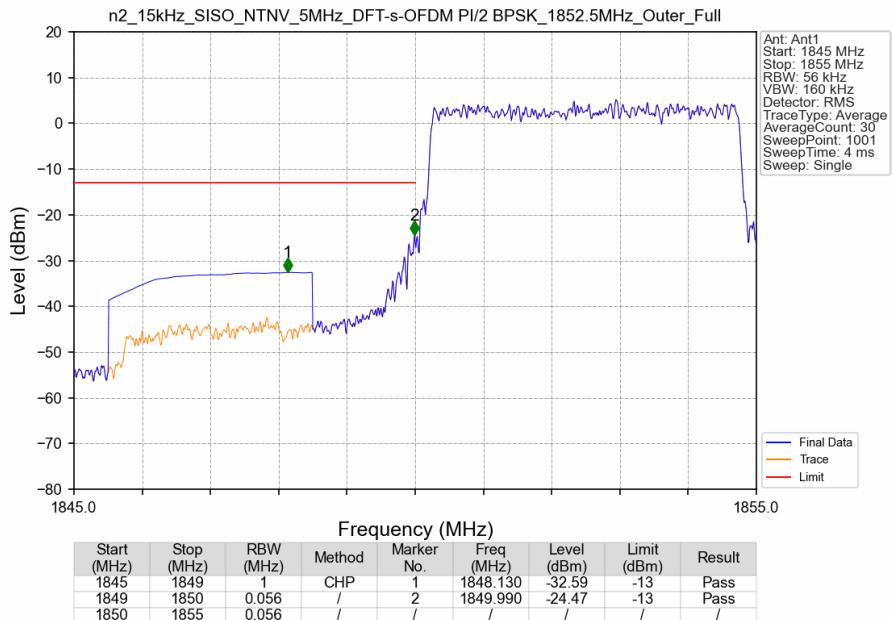
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1852.5MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1852.5MHz\_Outer\_Full



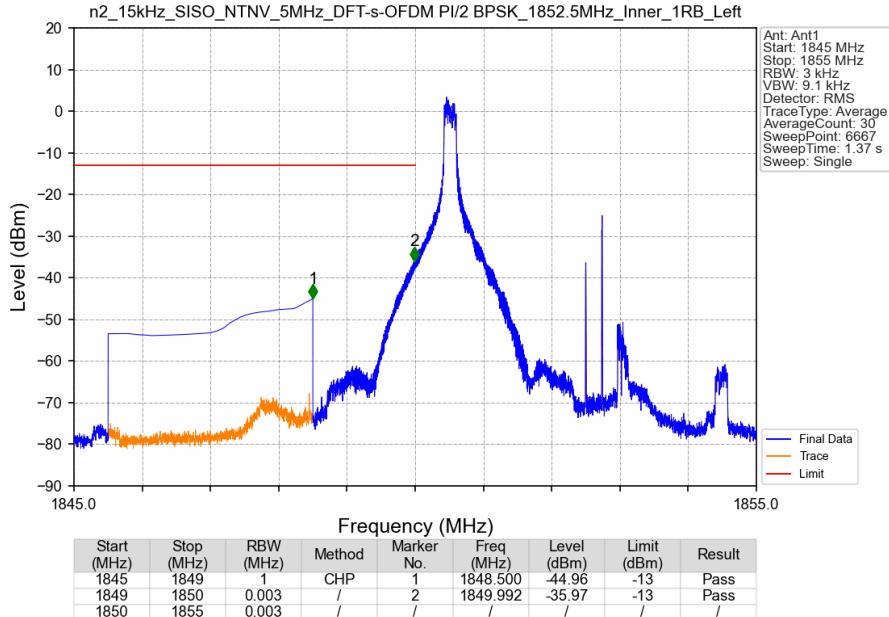
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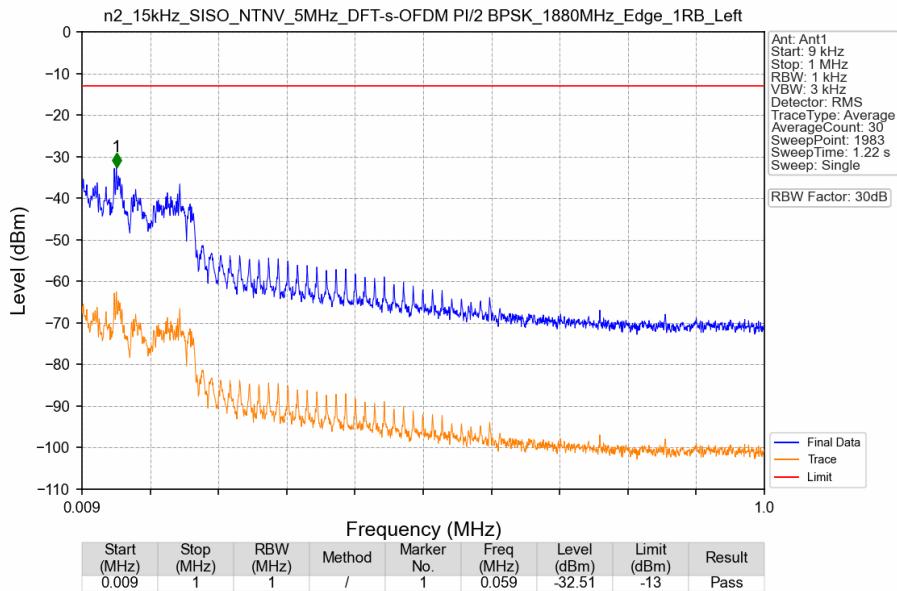
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1852.5MHz\_Inner\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1880MHz\_Edge\_1RB\_Left



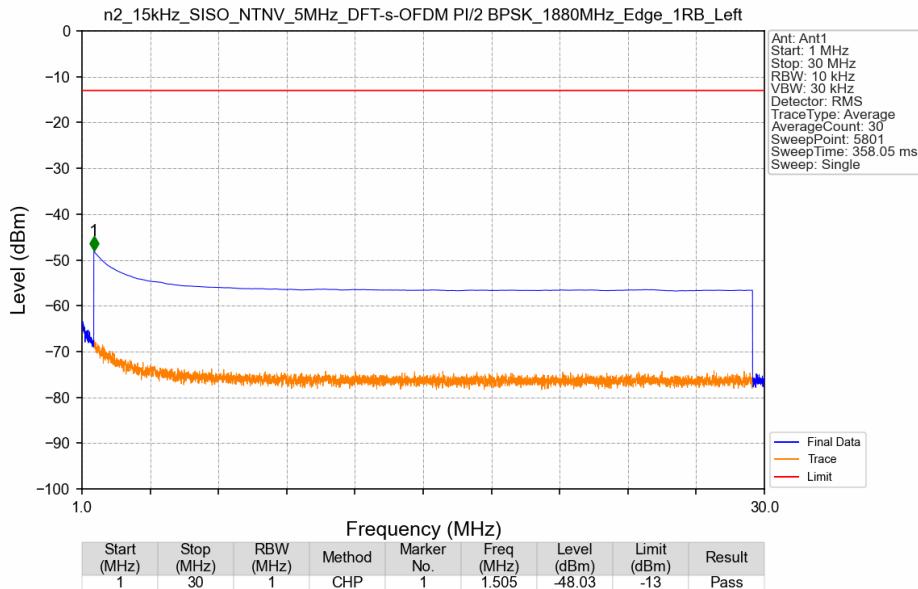
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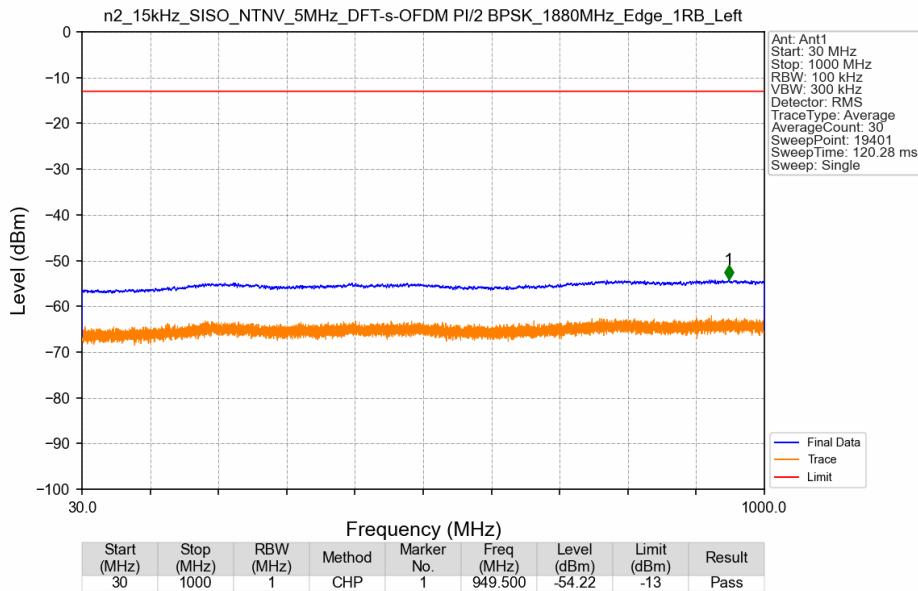
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1880MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1880MHz\_Edge\_1RB\_Left



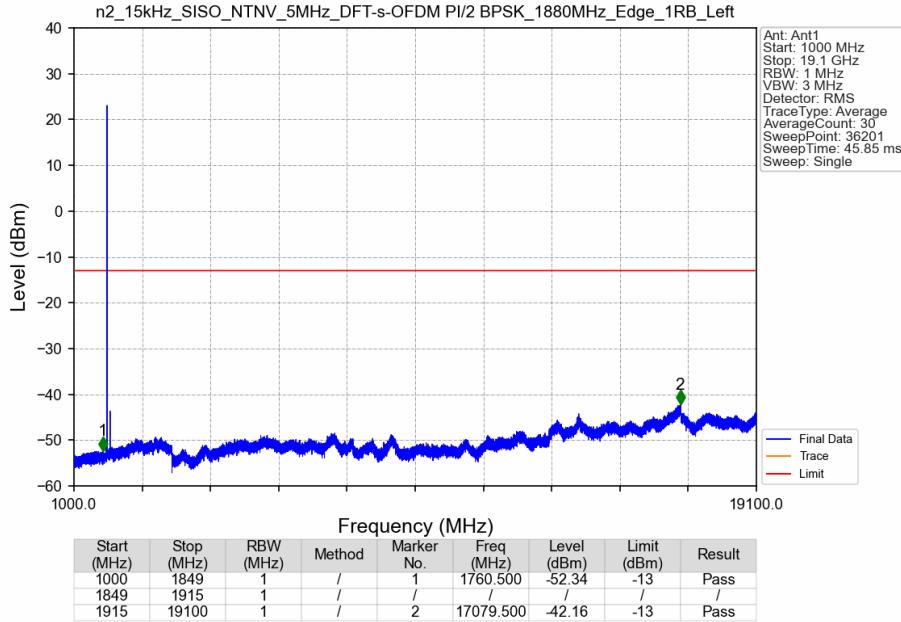
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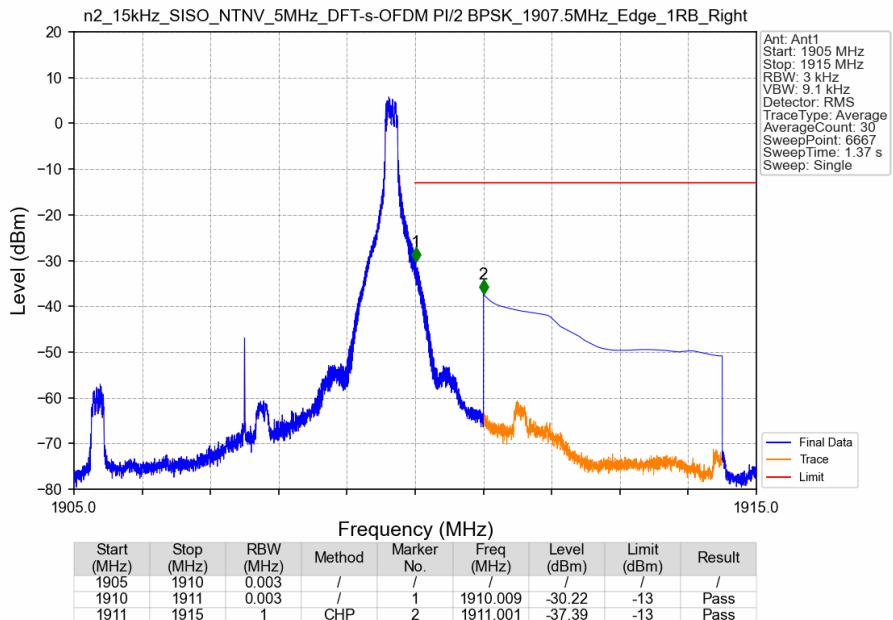
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1880MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1907.5MHz\_Edge\_1RB\_Right



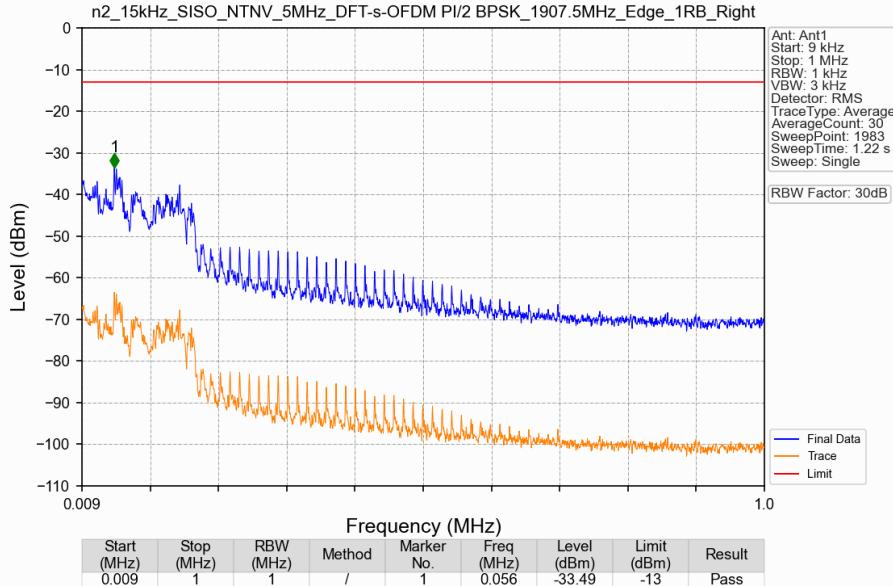
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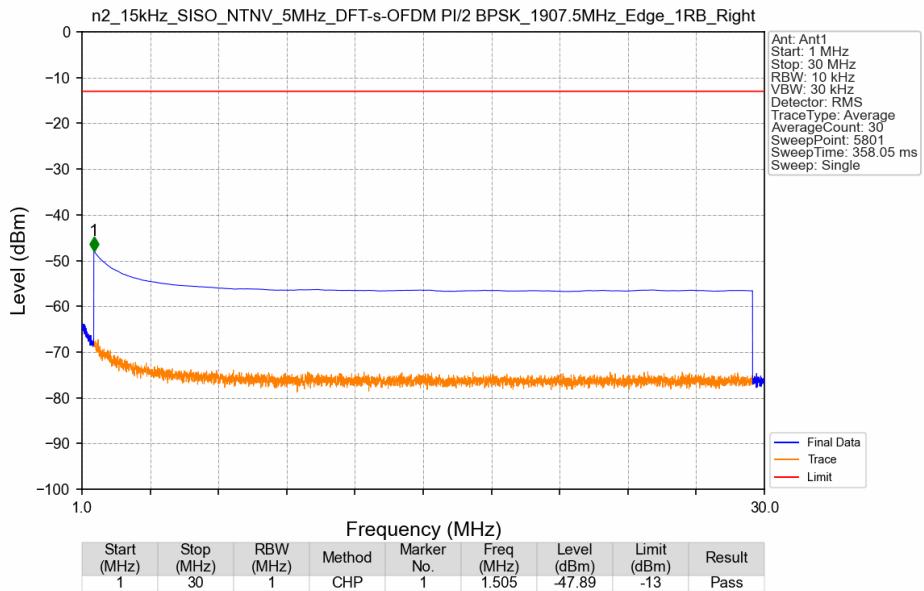
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1907.5MHz\_Edge\_1RB\_Right



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1907.5MHz\_Edge\_1RB\_Right



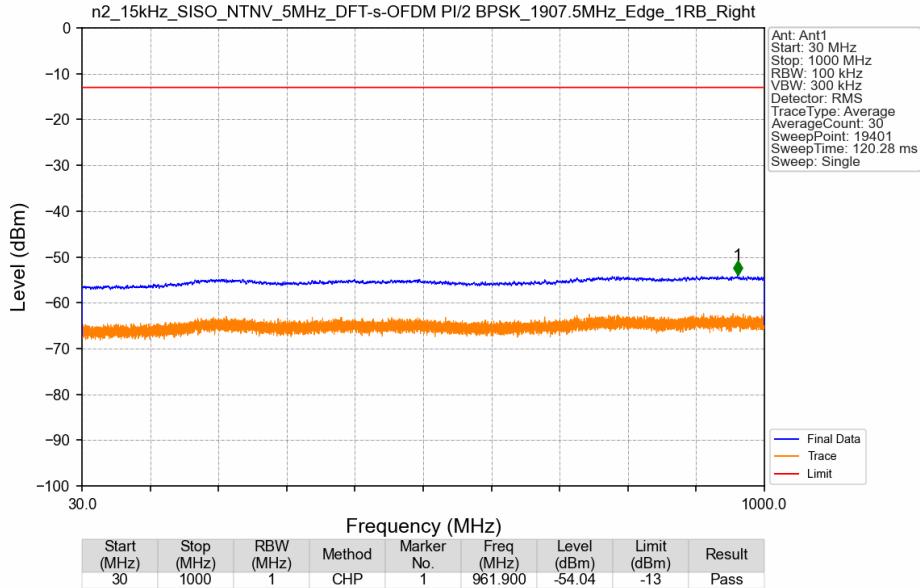
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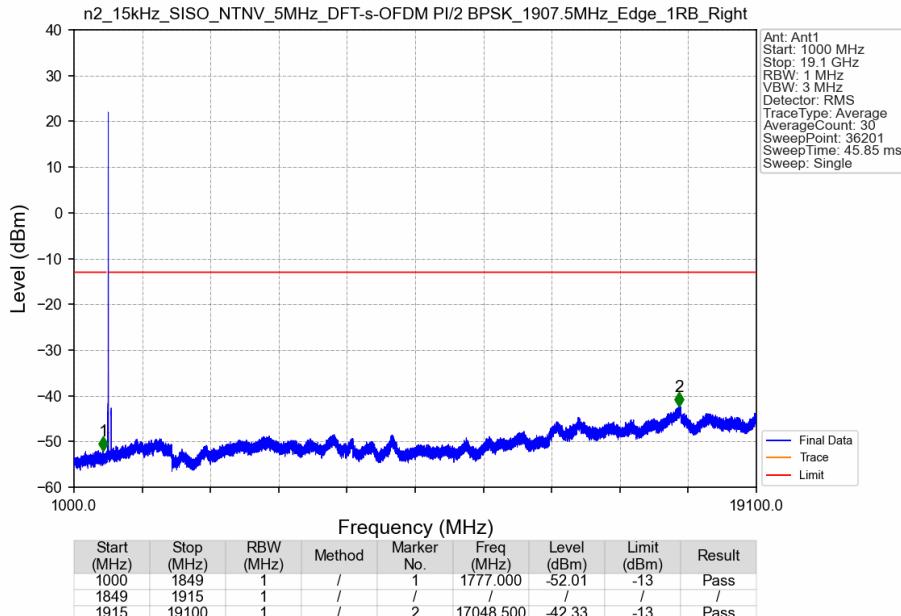
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1907.5MHz\_Edge\_1RB\_Right



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1907.5MHz\_Edge\_1RB\_Right



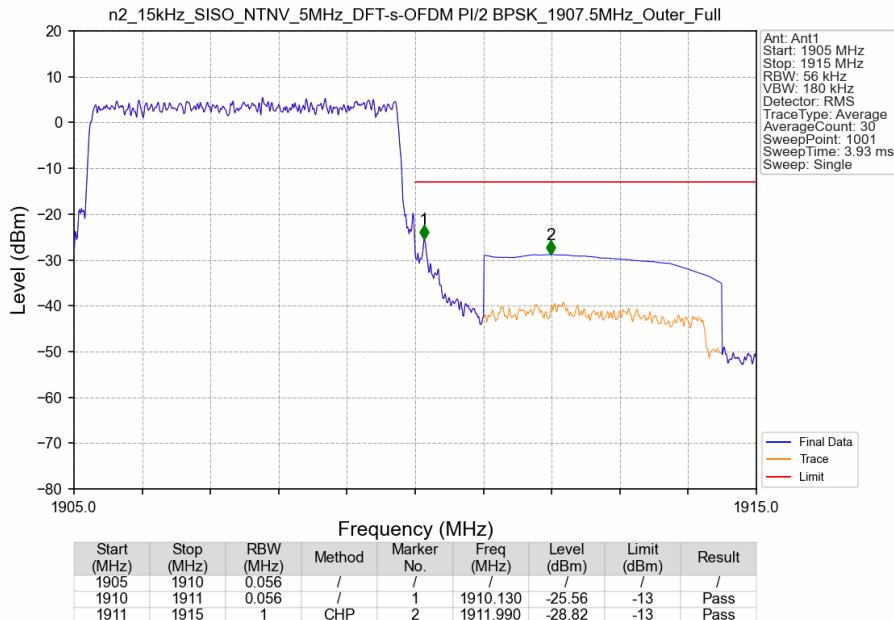
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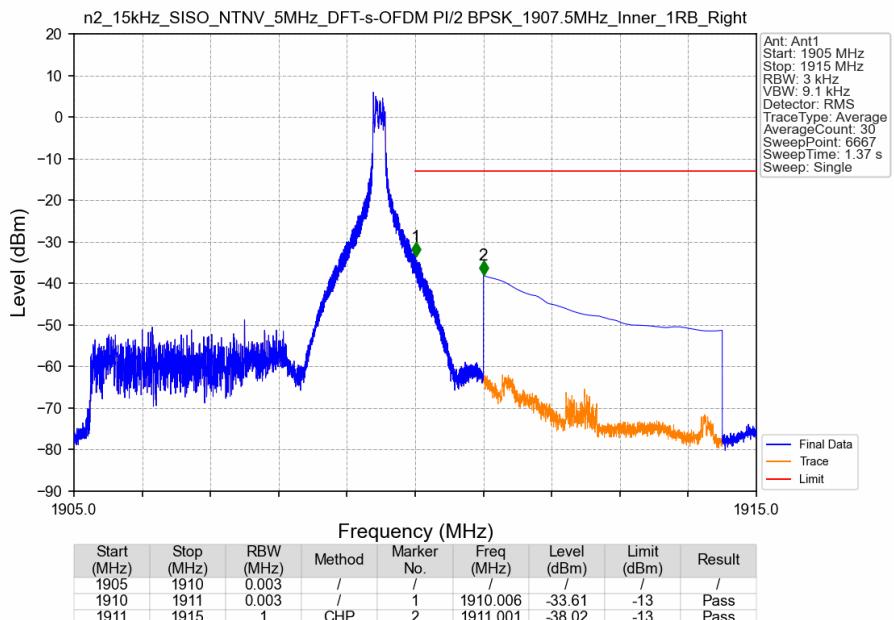
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1907.5MHz\_Outer\_Full



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1907.5MHz\_Inner\_1RB\_Right



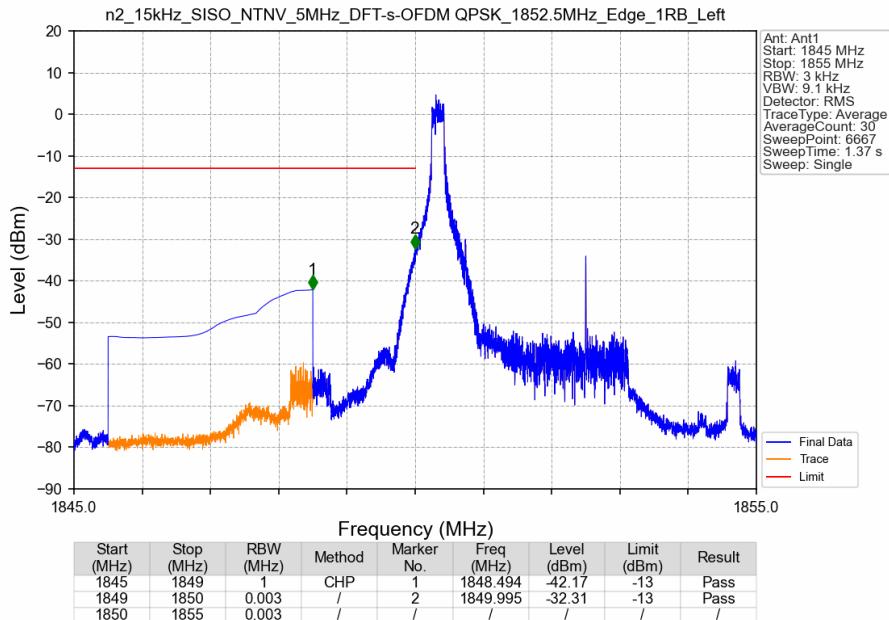
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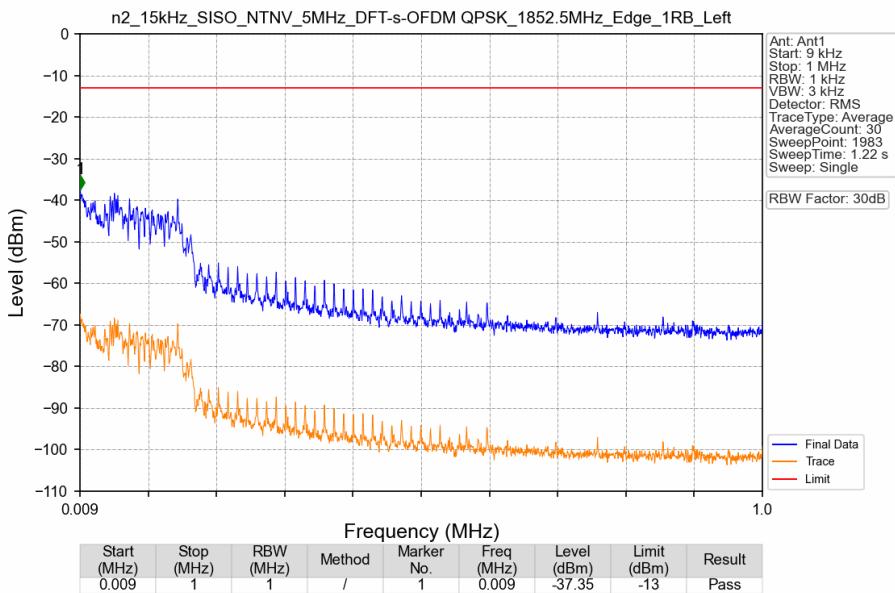
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1852.5MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1852.5MHz\_Edge\_1RB\_Left

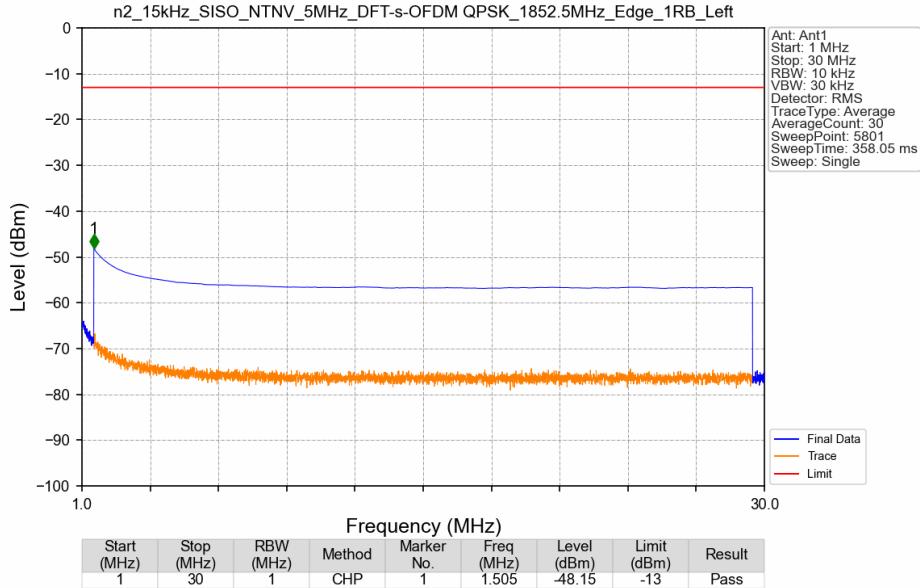


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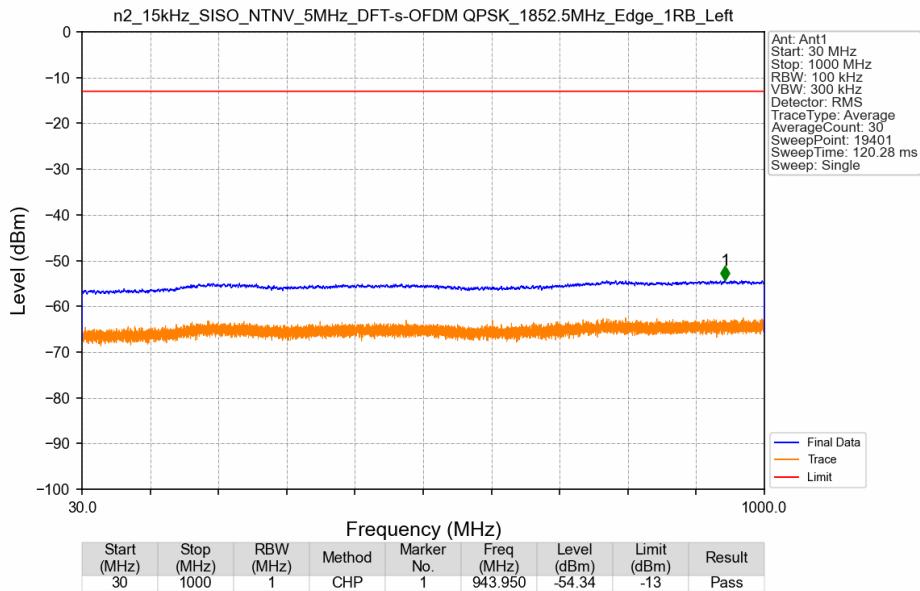
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1852.5MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1852.5MHz\_Edge\_1RB\_Left

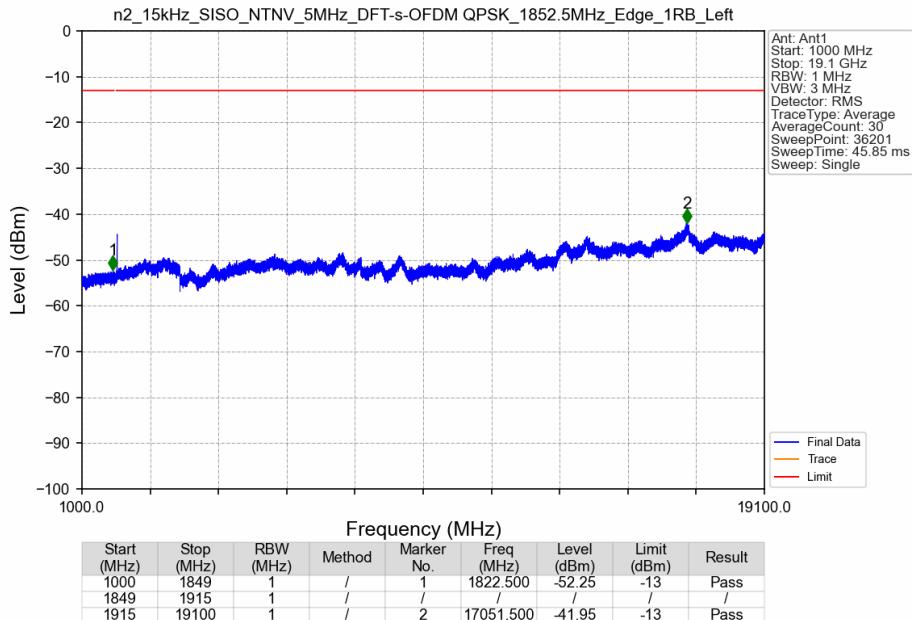


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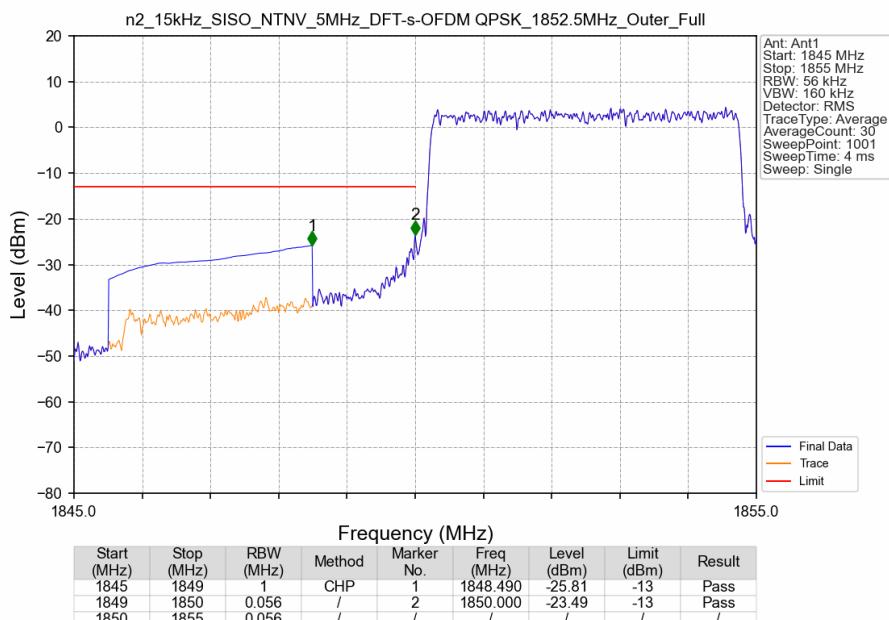
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1852.5MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1852.5MHz\_Outer\_Full



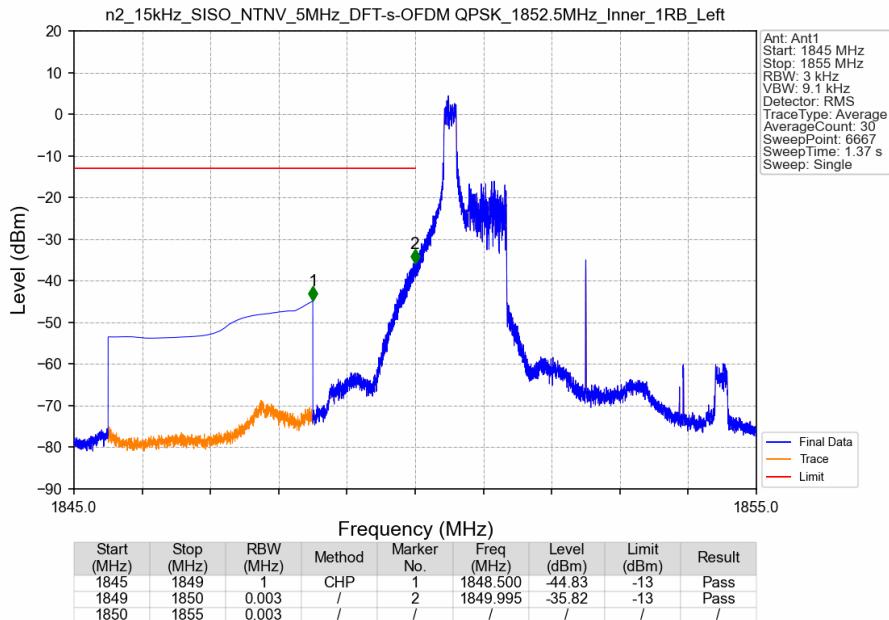
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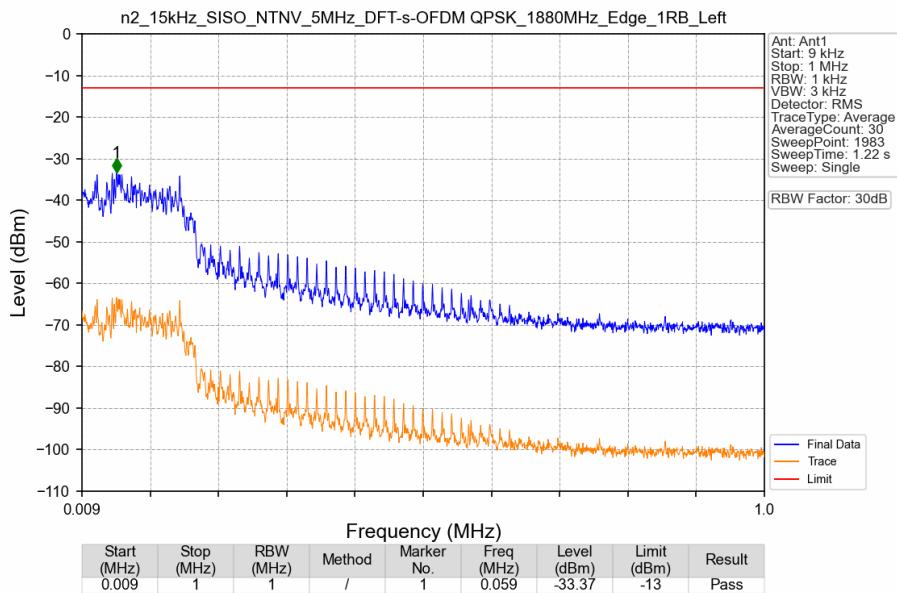
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1852.5MHz\_Inner\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1880MHz\_Edge\_1RB\_Left

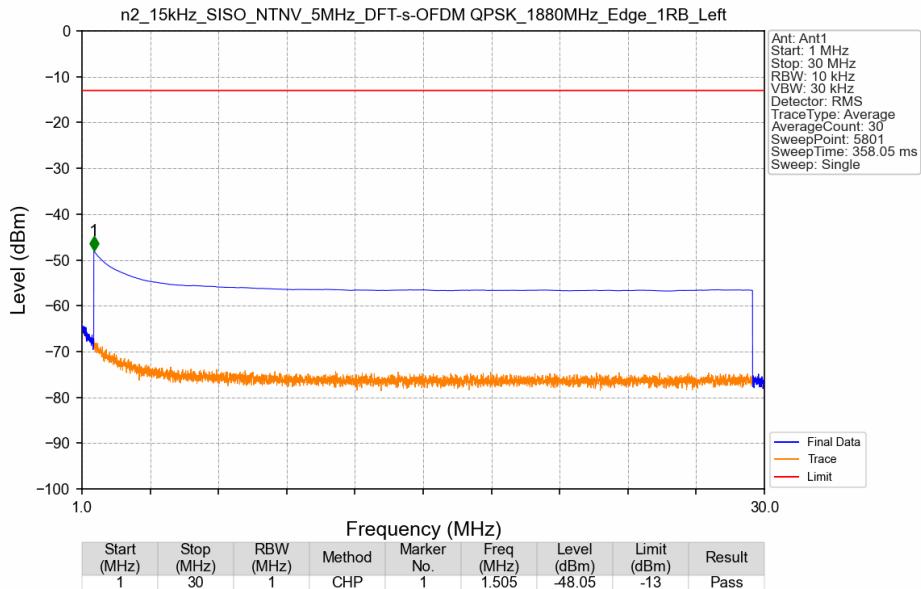


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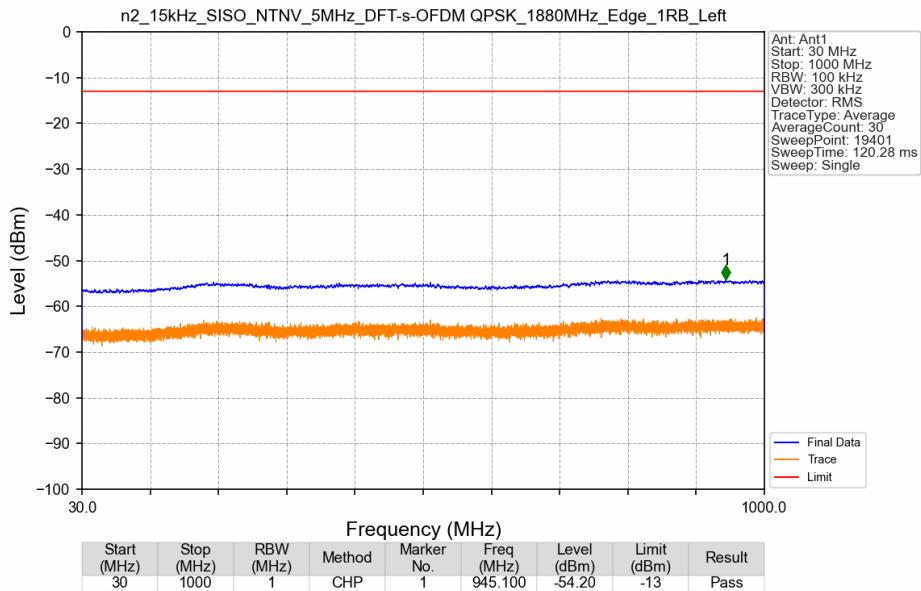
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1880MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1880MHz\_Edge\_1RB\_Left



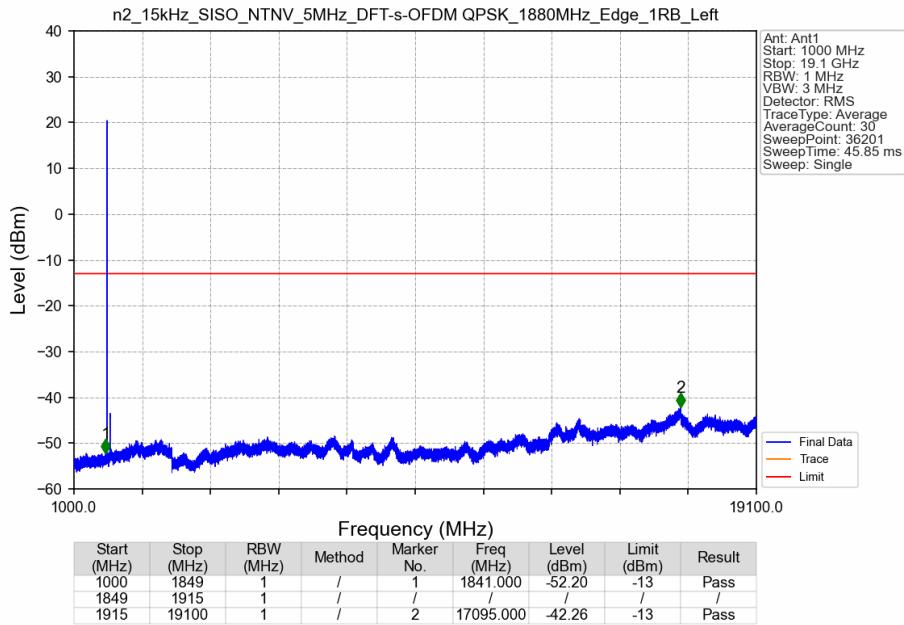
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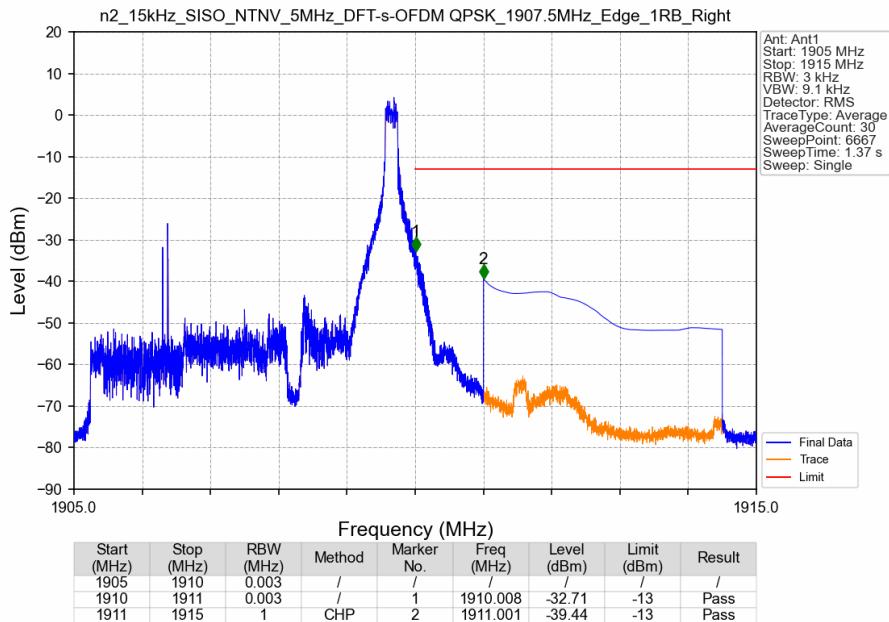
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1880MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1907.5MHz\_Edge\_1RB\_Right



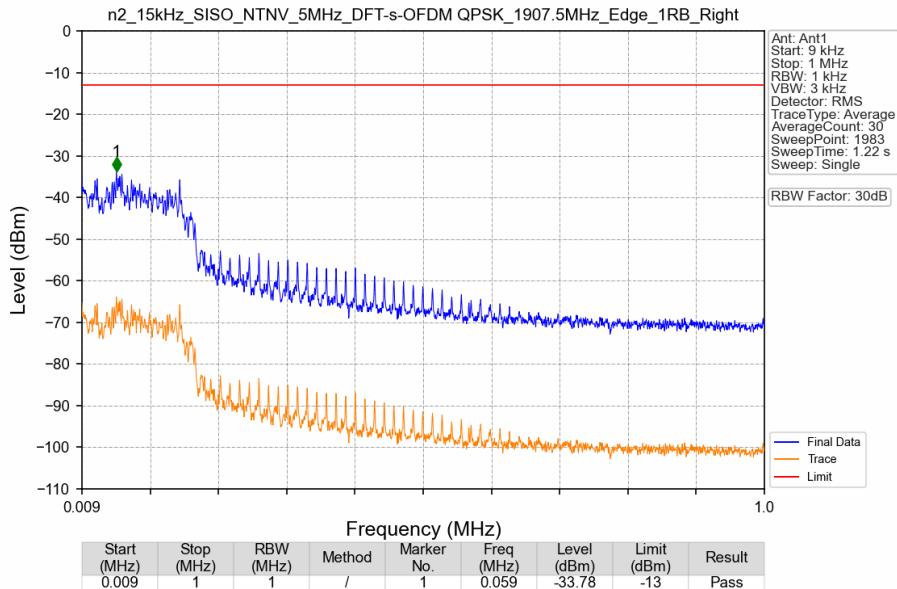
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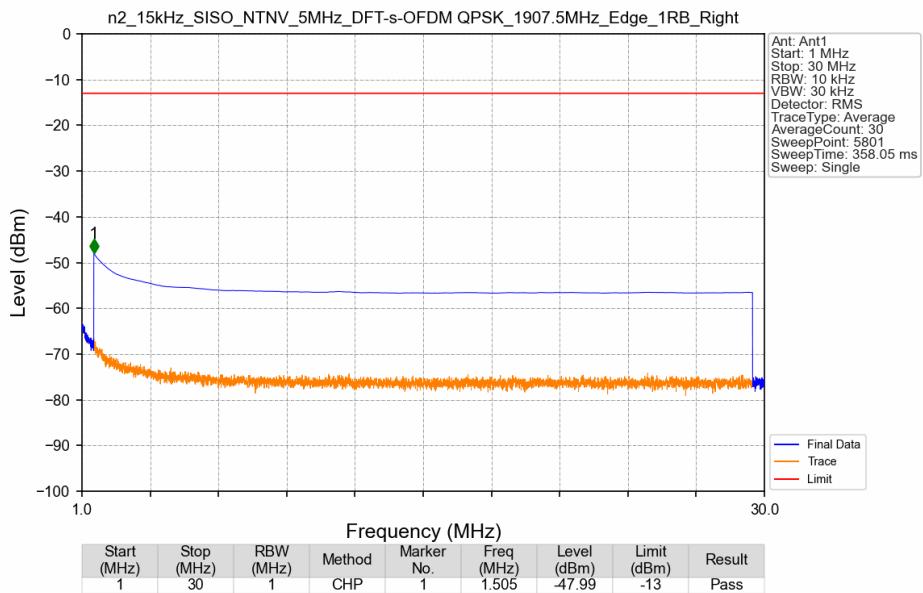
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1907.5MHz\_Edge\_1RB\_Right



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1907.5MHz\_Edge\_1RB\_Right



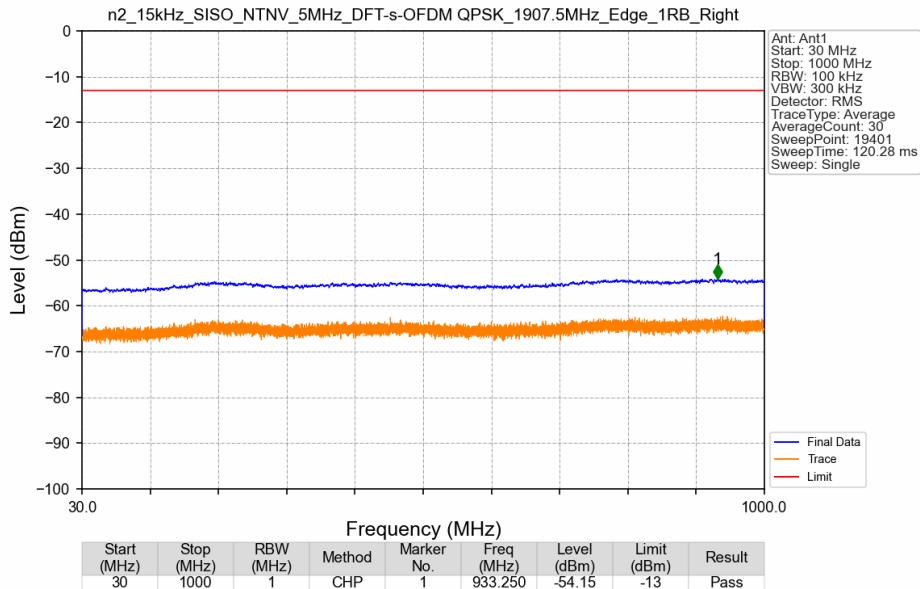
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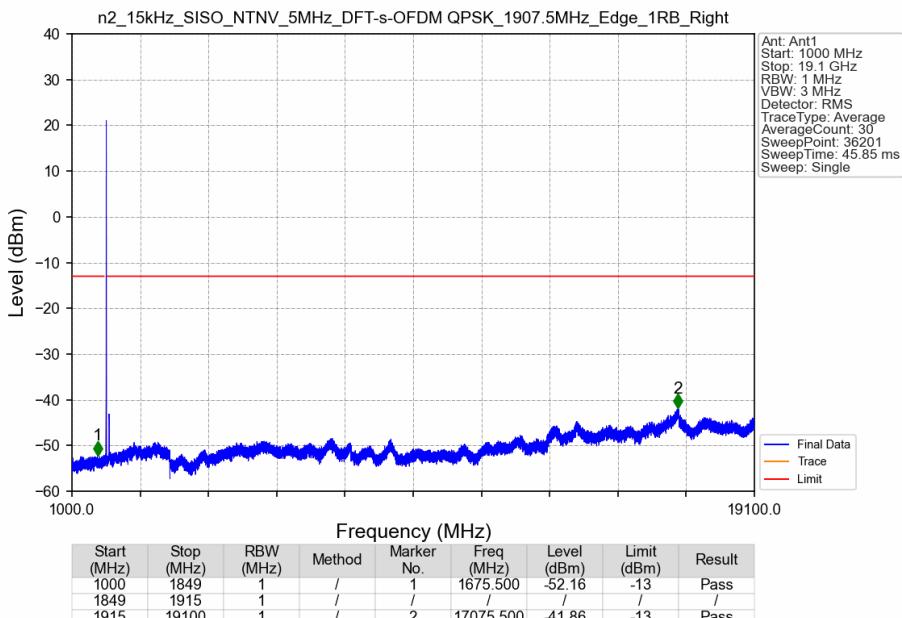
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1907.5MHz\_Edge\_1RB\_Right



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1907.5MHz\_Edge\_1RB\_Right



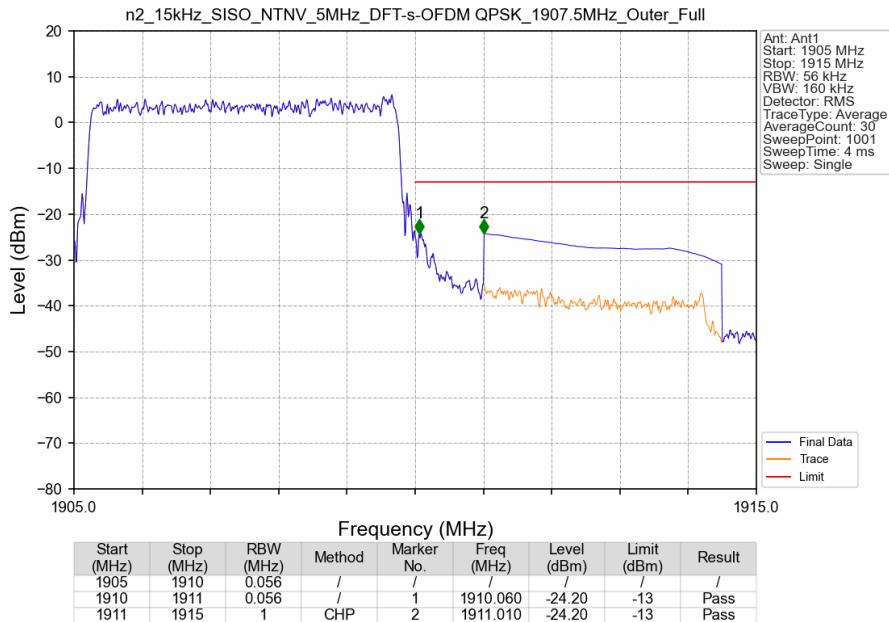
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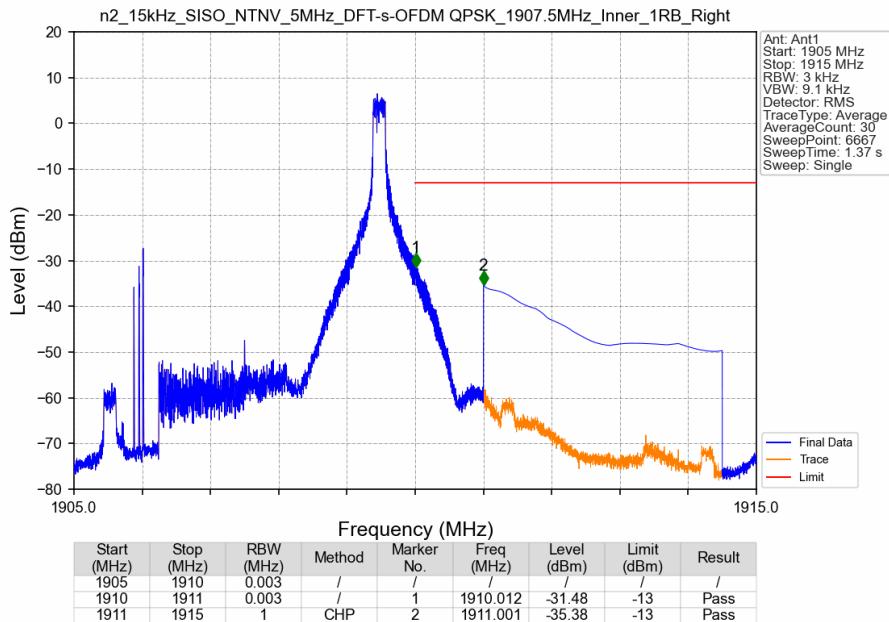
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1907.5MHz\_Outer\_Full



## n2\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1907.5MHz\_Inner\_1RB\_Right



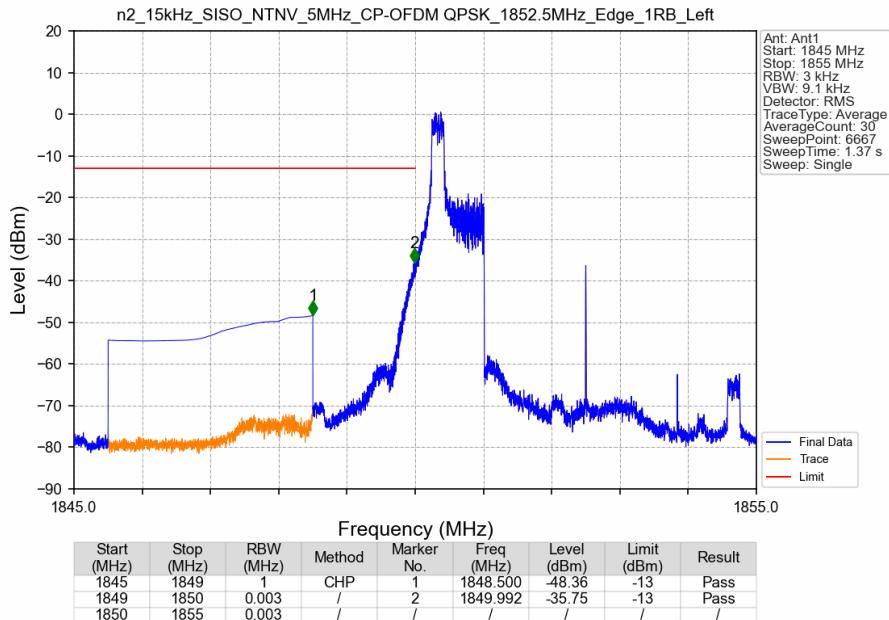
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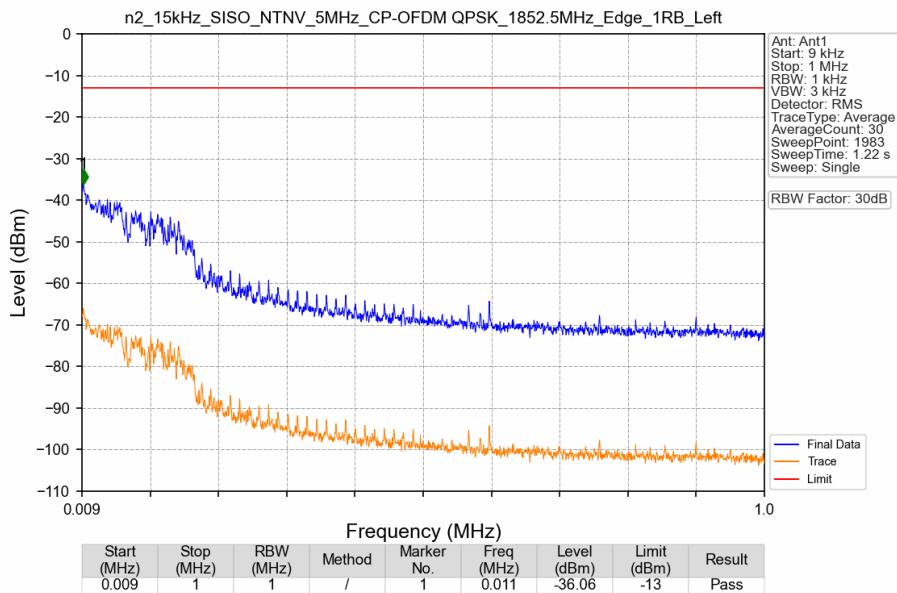
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1852.5MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1852.5MHz\_Edge\_1RB\_Left



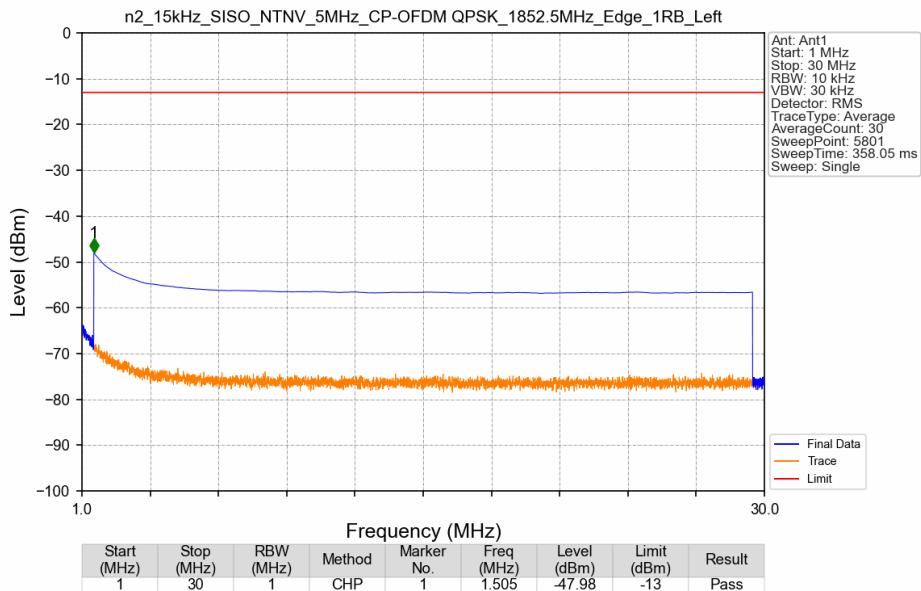
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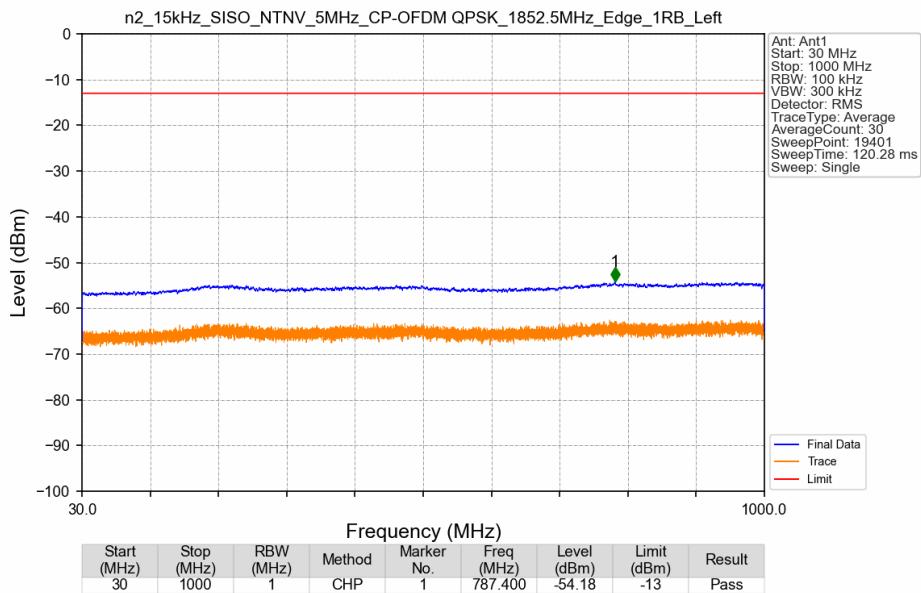
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1852.5MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1852.5MHz\_Edge\_1RB\_Left



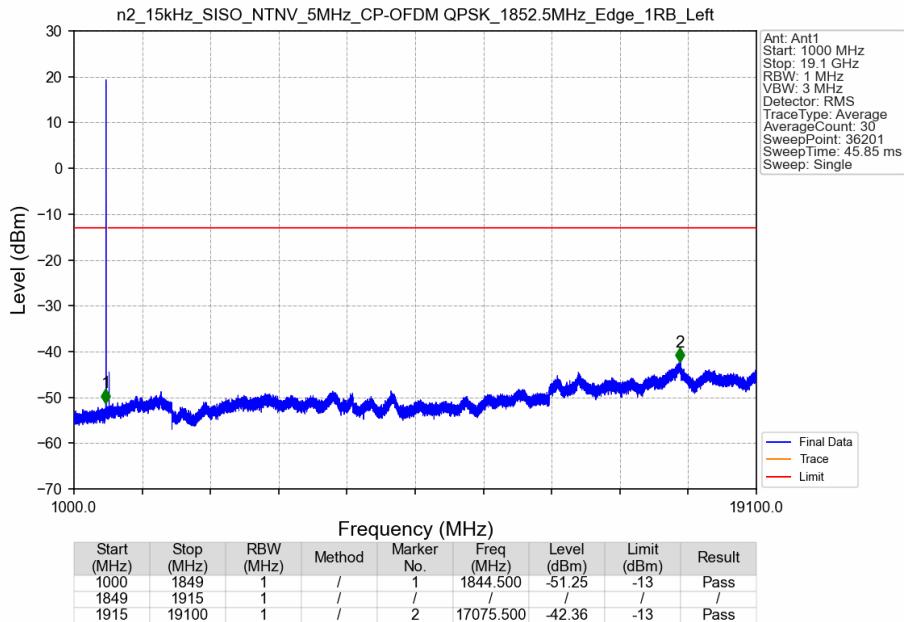
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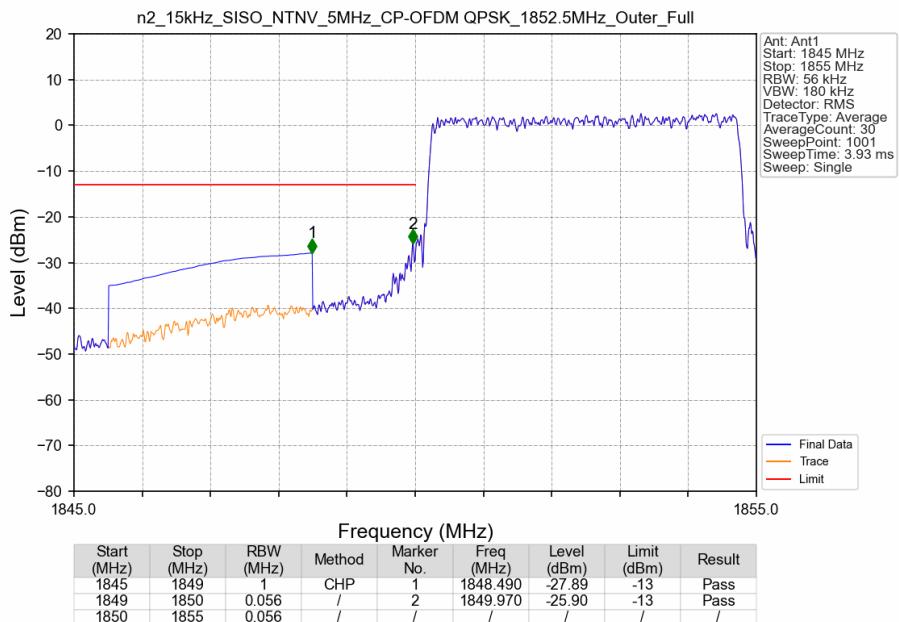
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1852.5MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1852.5MHz\_Outer\_Full



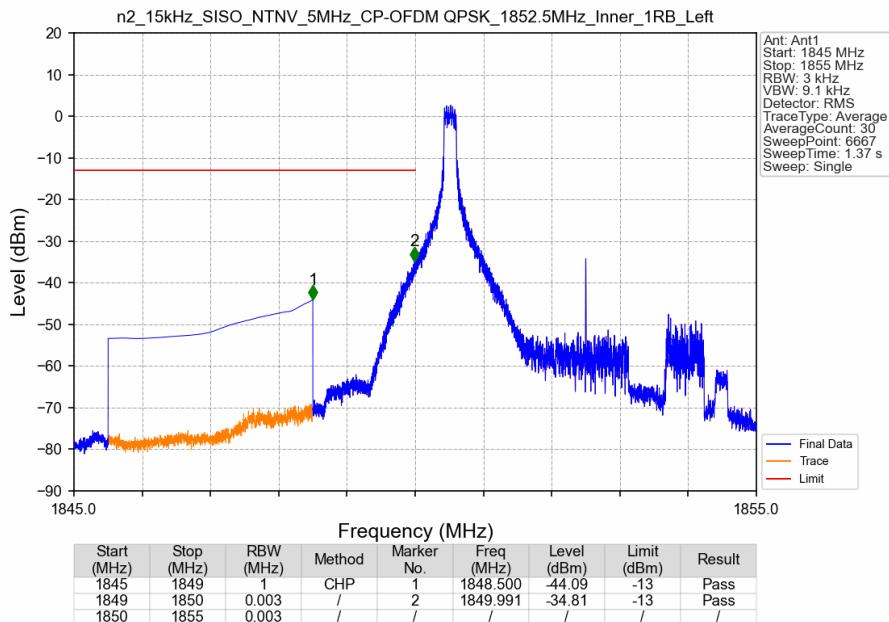
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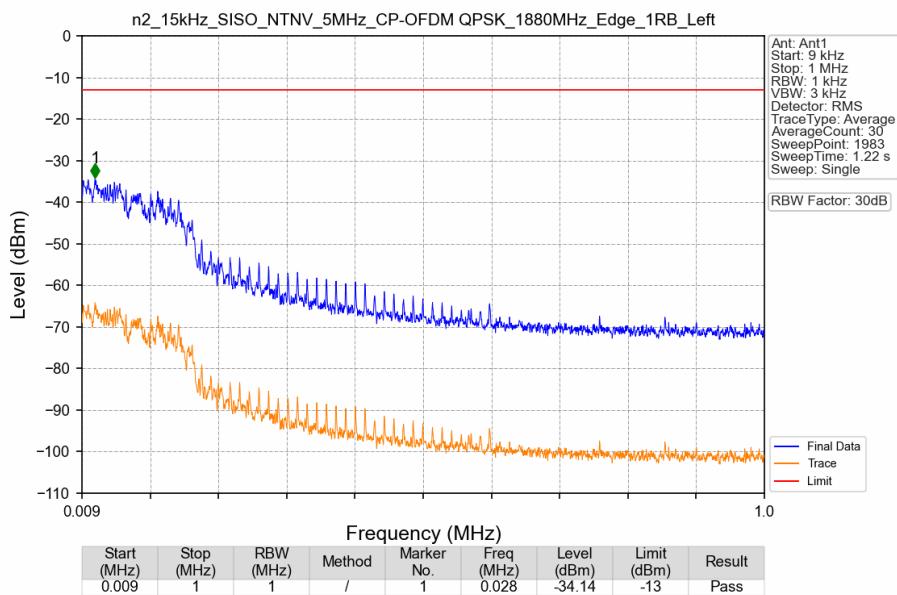
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1852.5MHz\_Inner\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1880MHz\_Edge\_1RB\_Left

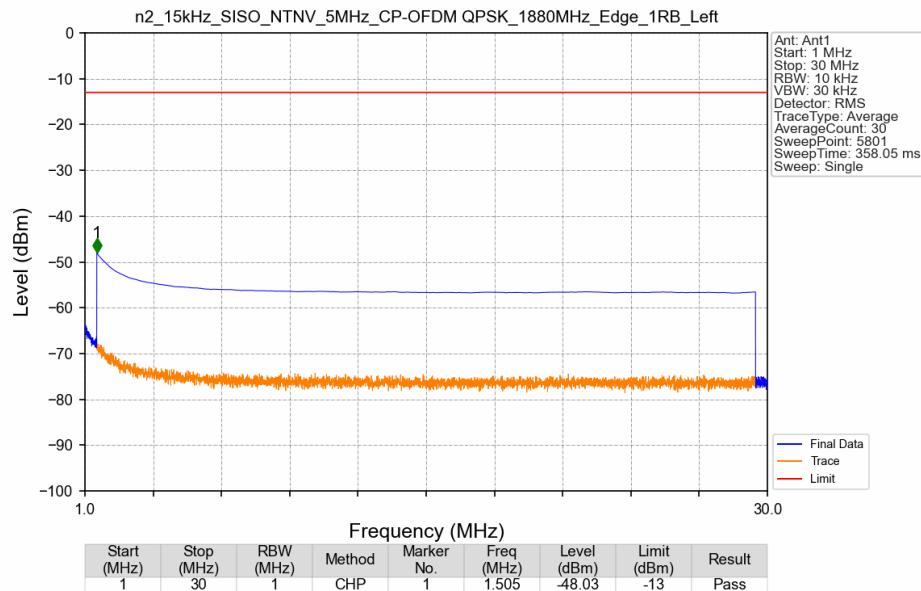


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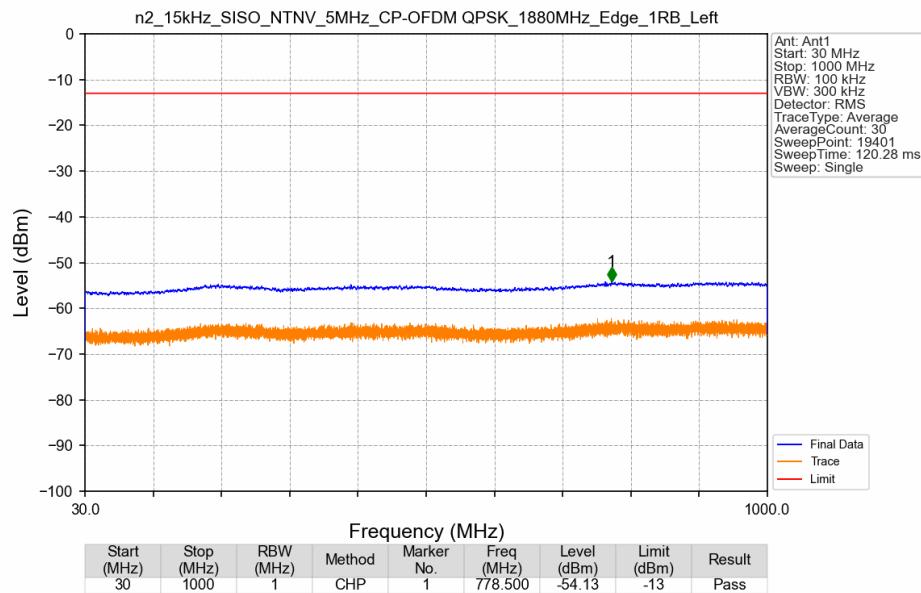
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1880MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1880MHz\_Edge\_1RB\_Left



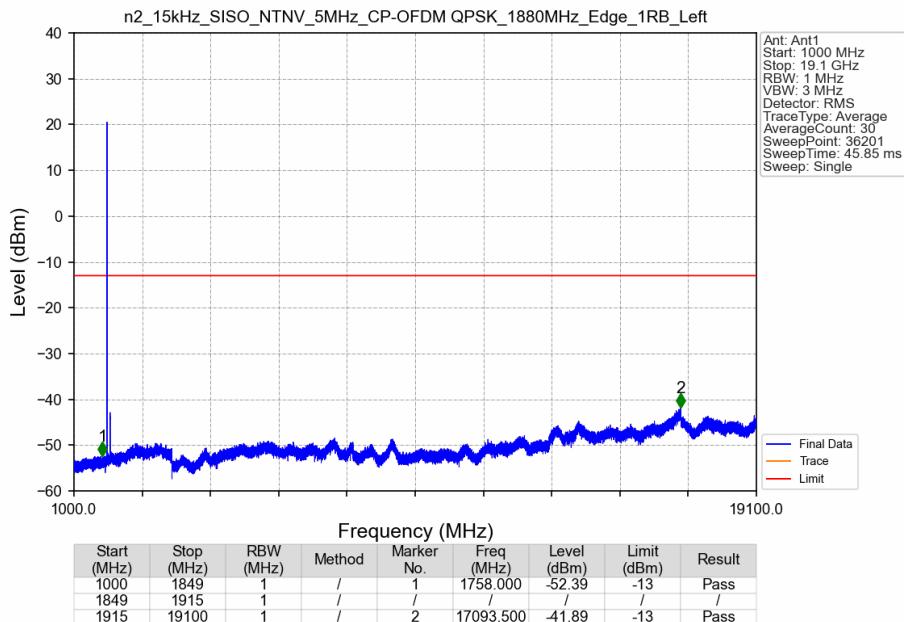
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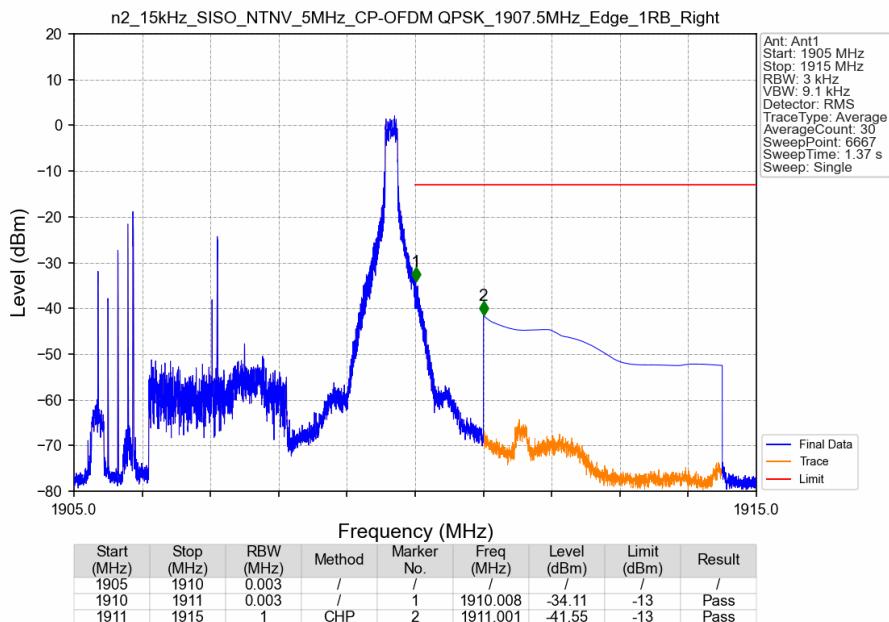
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1880MHz\_Edge\_1RB\_Left



## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1907.5MHz\_Edge\_1RB\_Right



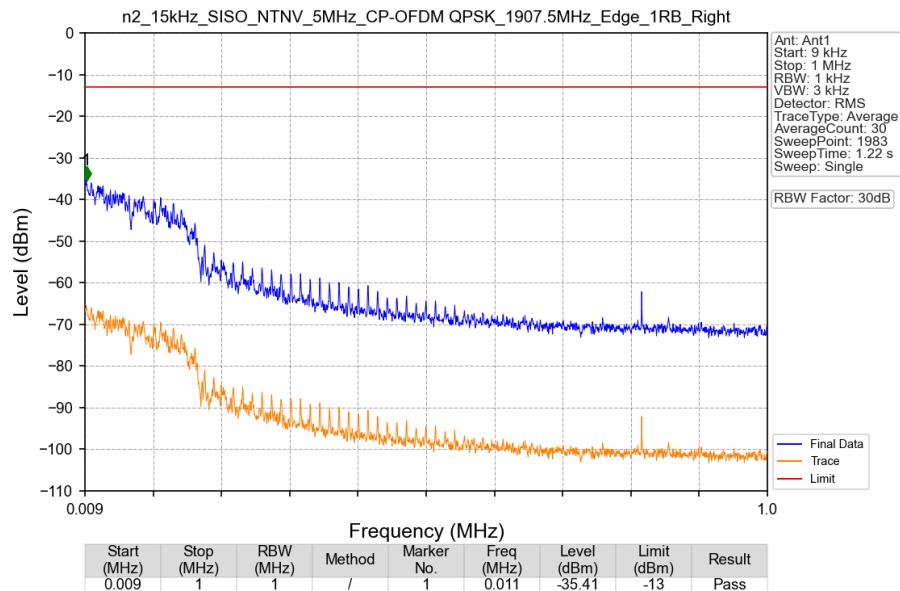
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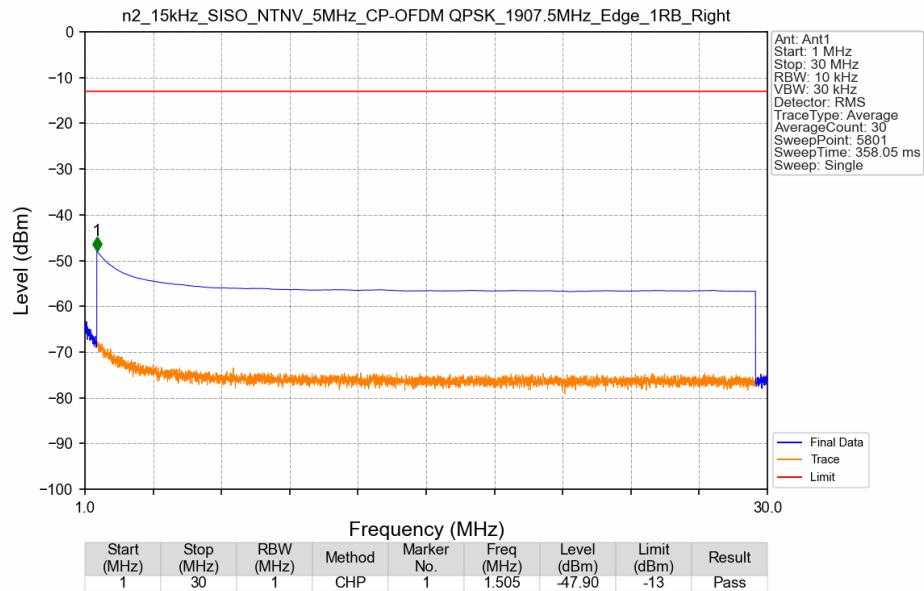
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1907.5MHz\_Edge\_1RB\_Right



## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1907.5MHz\_Edge\_1RB\_Right

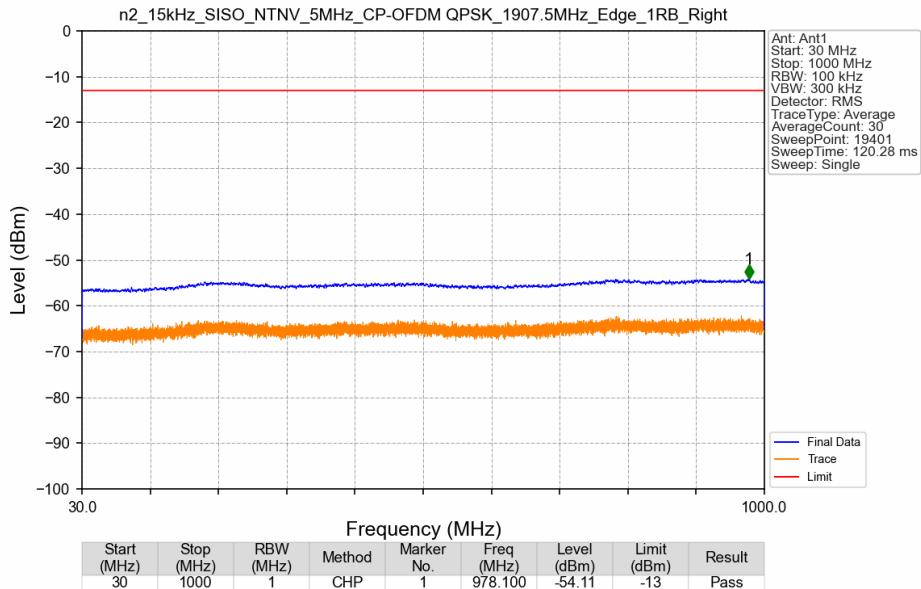


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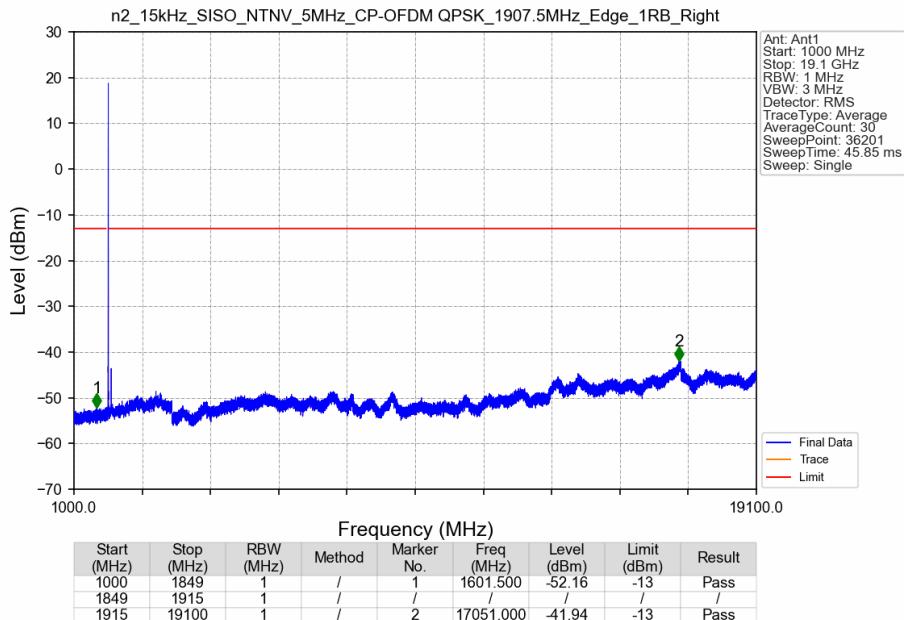
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## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1907.5MHz\_Edge\_1RB\_Right



## n2\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1907.5MHz\_Edge\_1RB\_Right



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