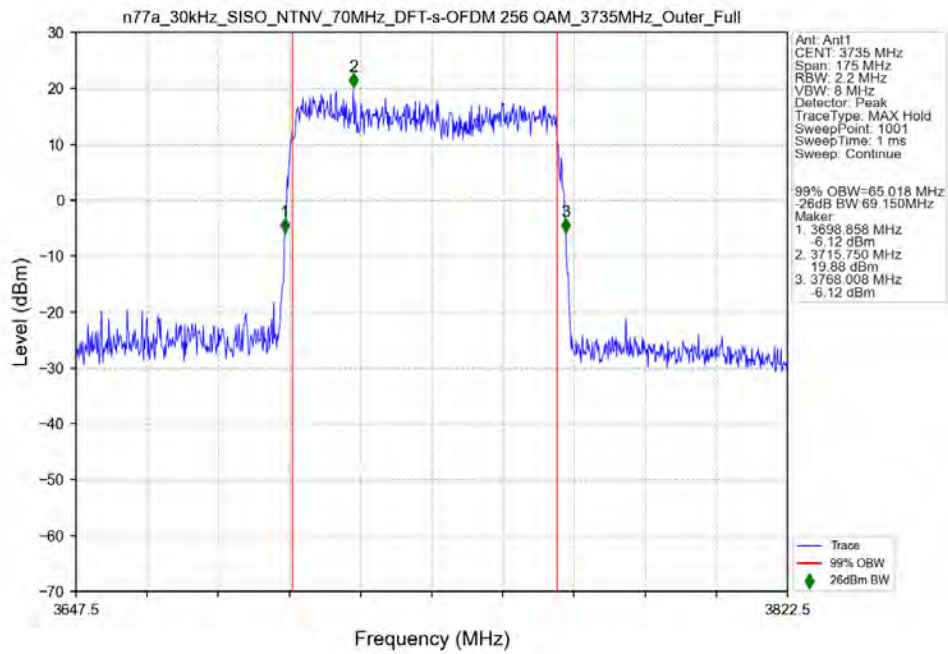
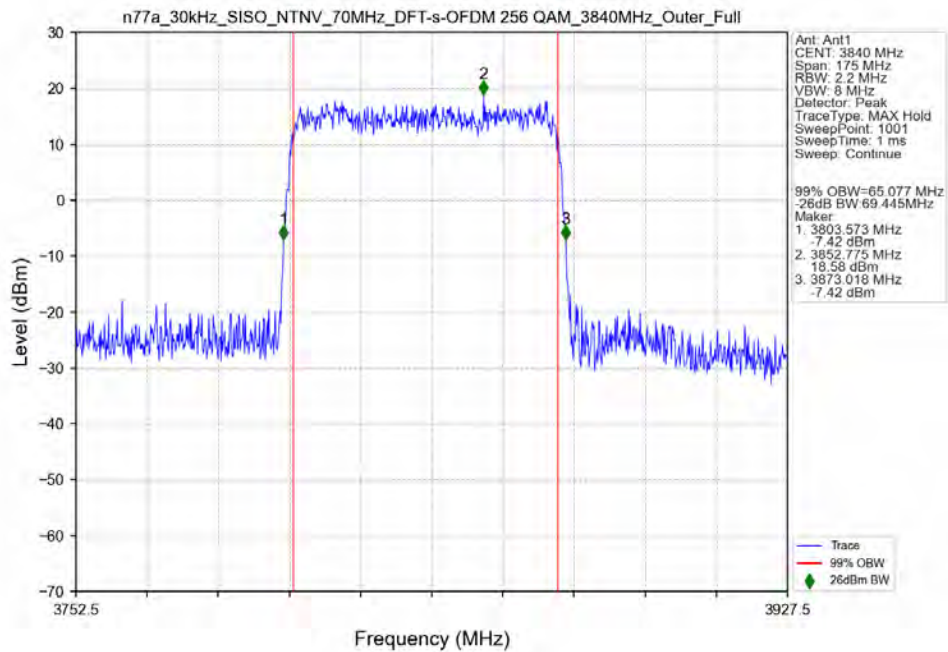


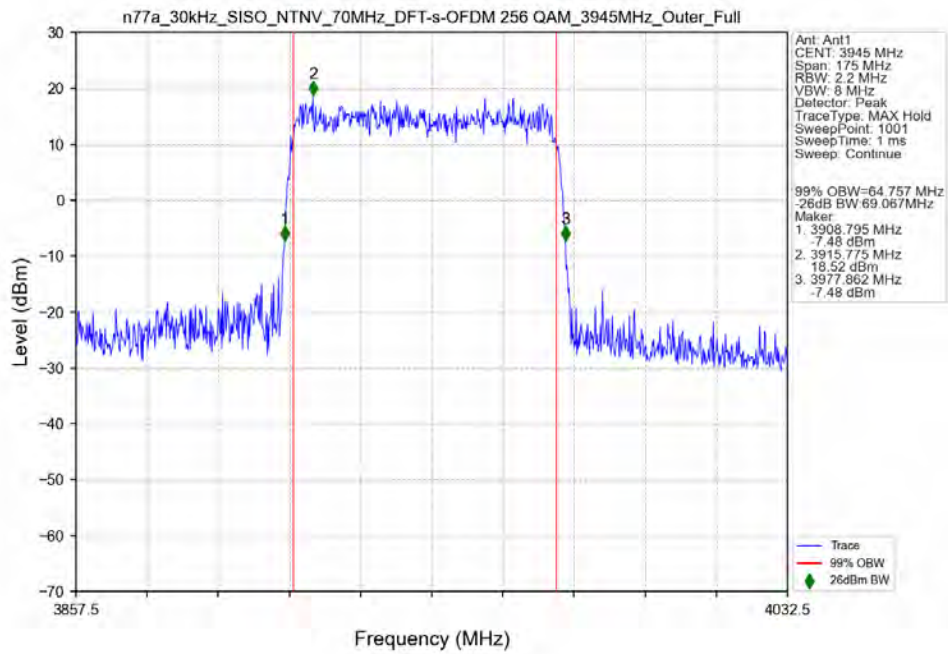
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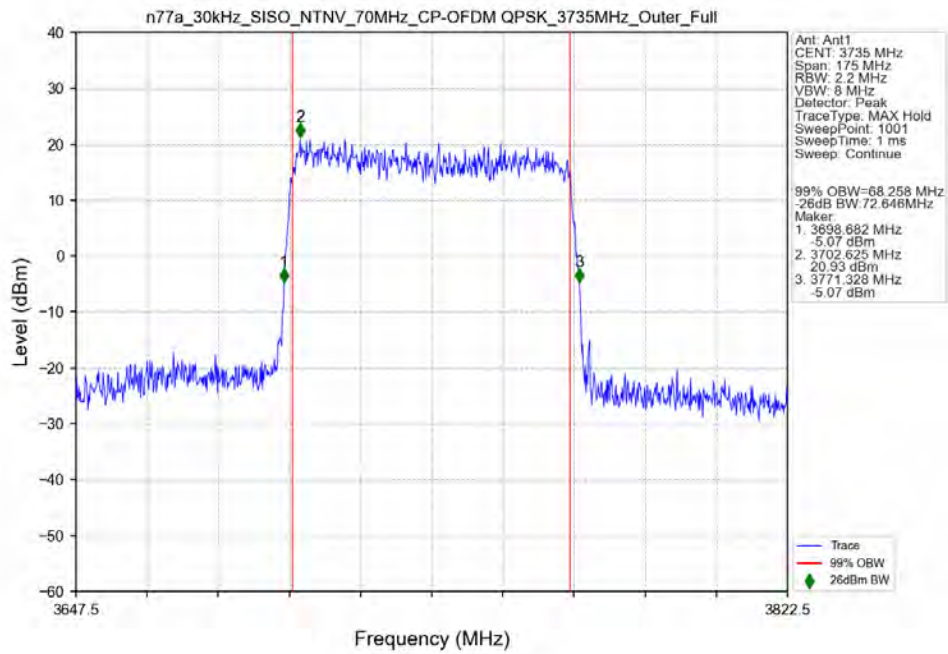
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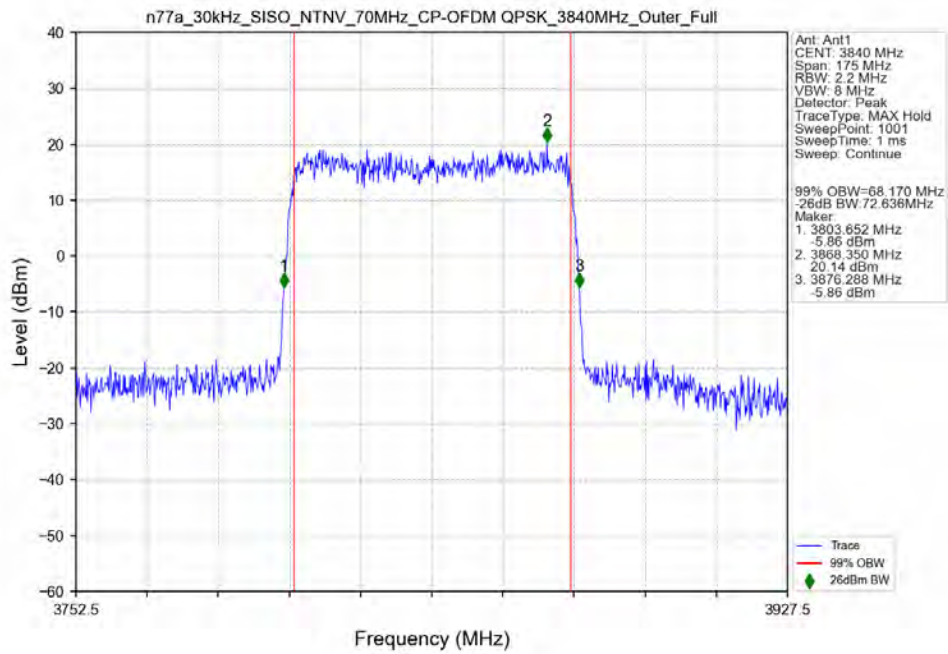
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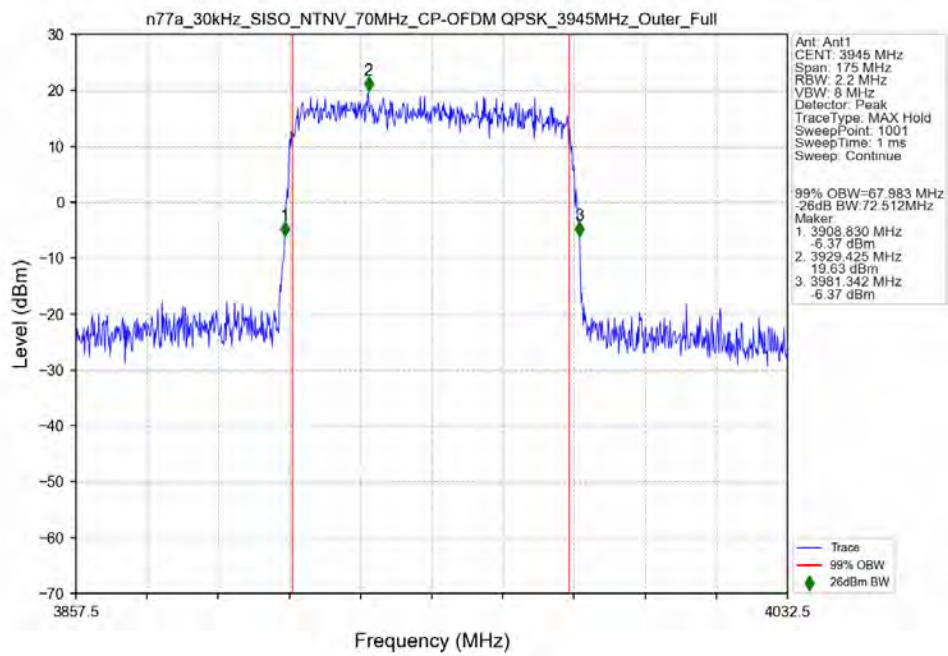
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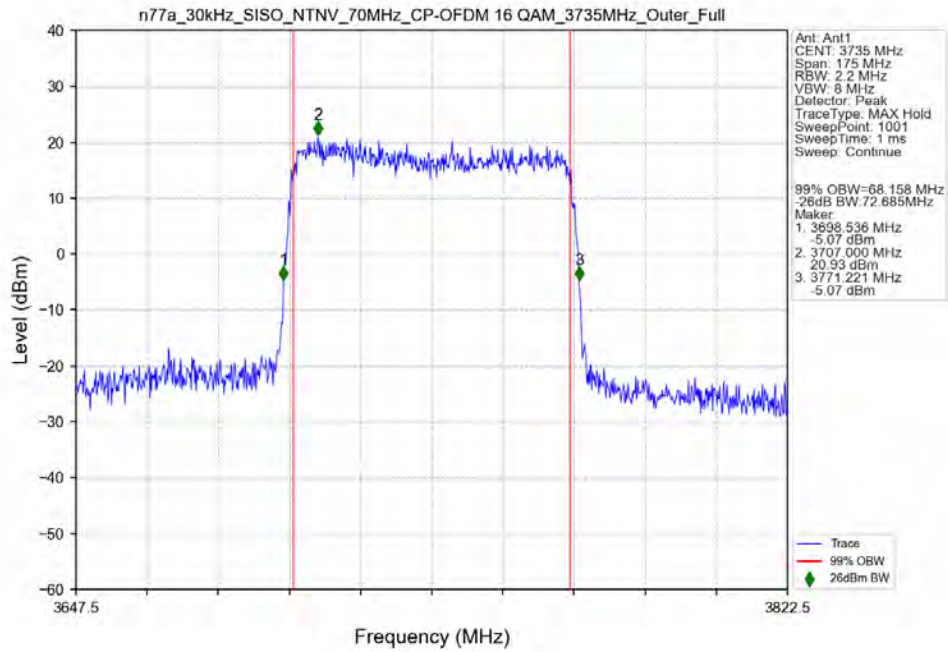
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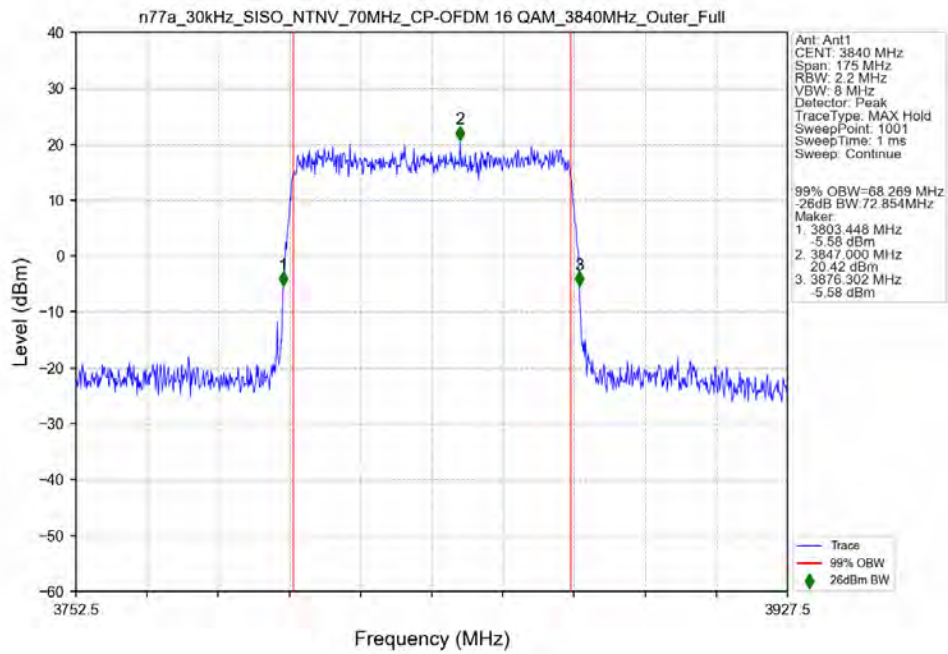
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n77a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 16 QAM\_3735MHz\_Outer\_Full\_Ant6

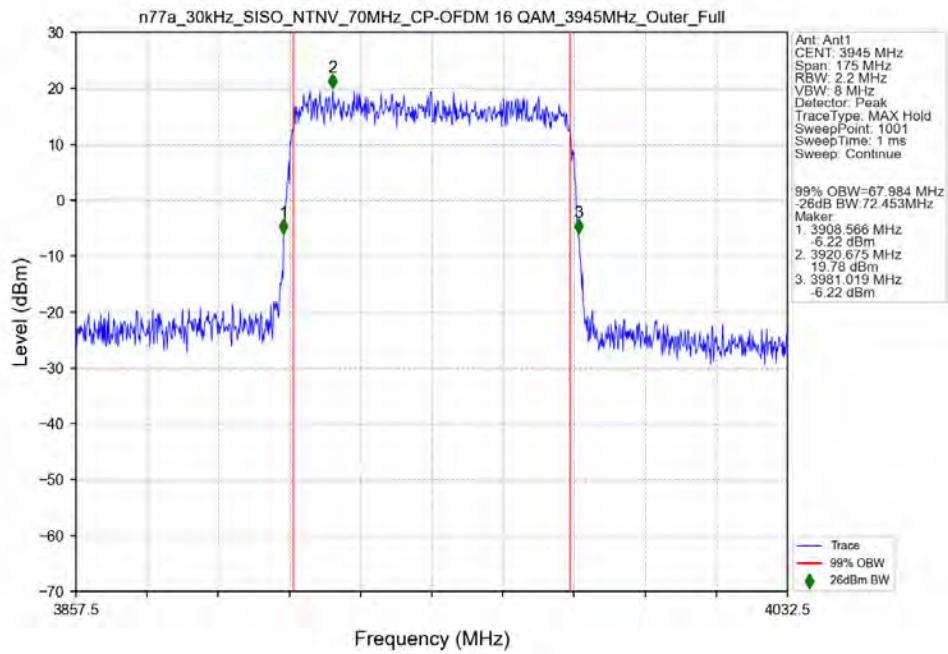


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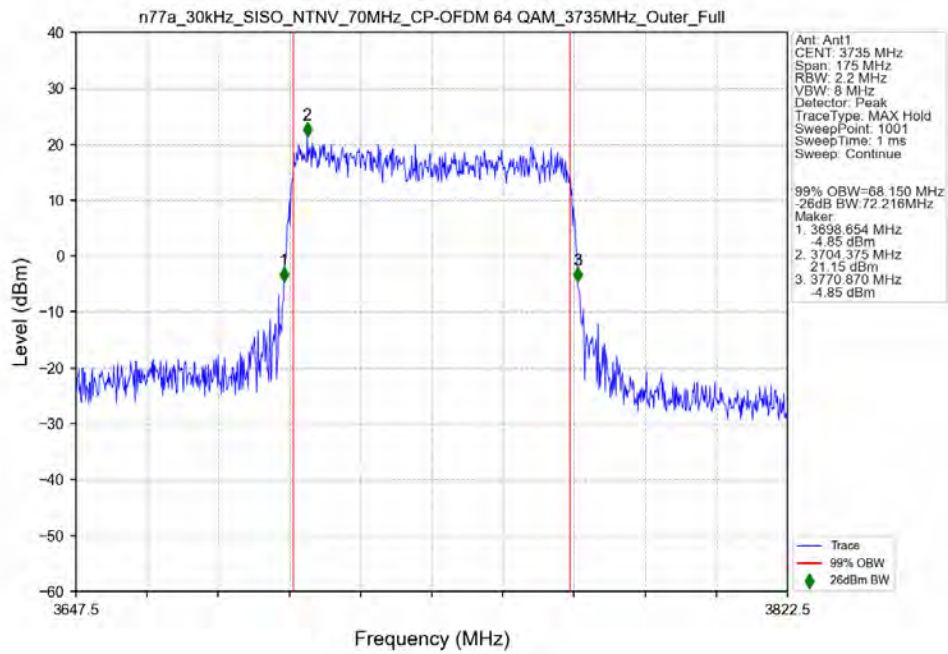




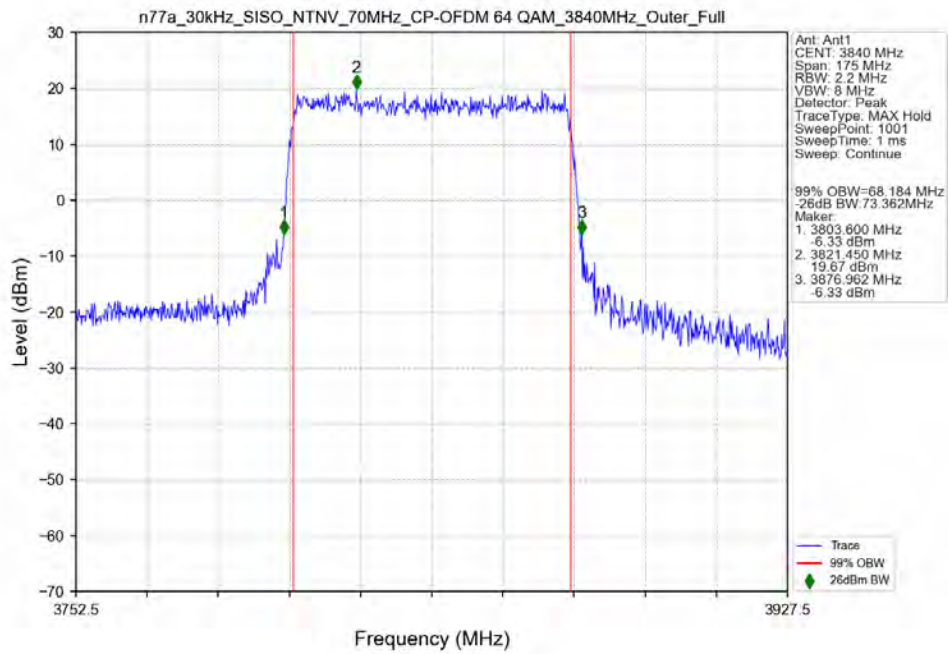
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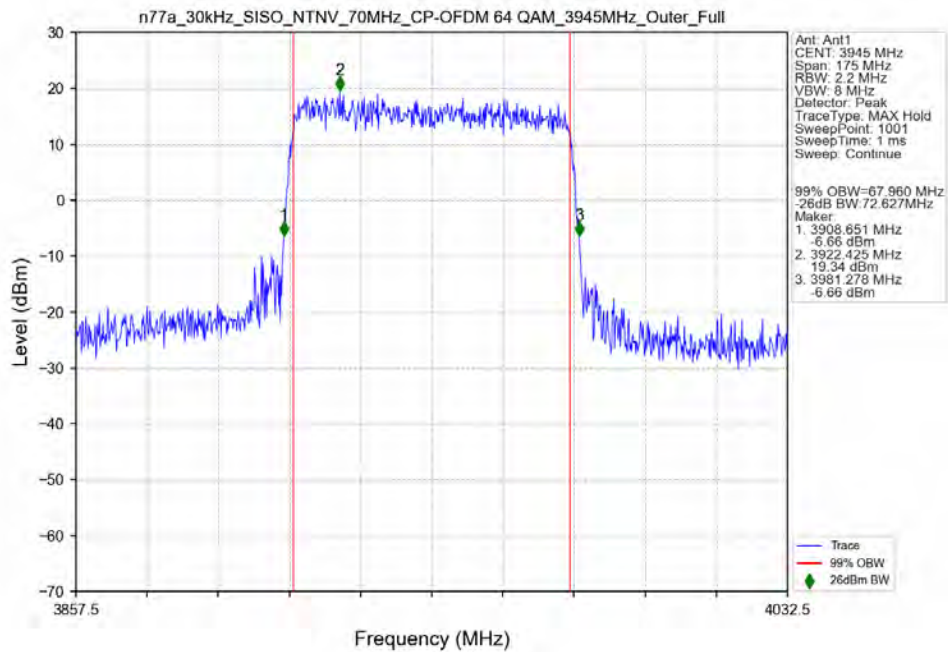
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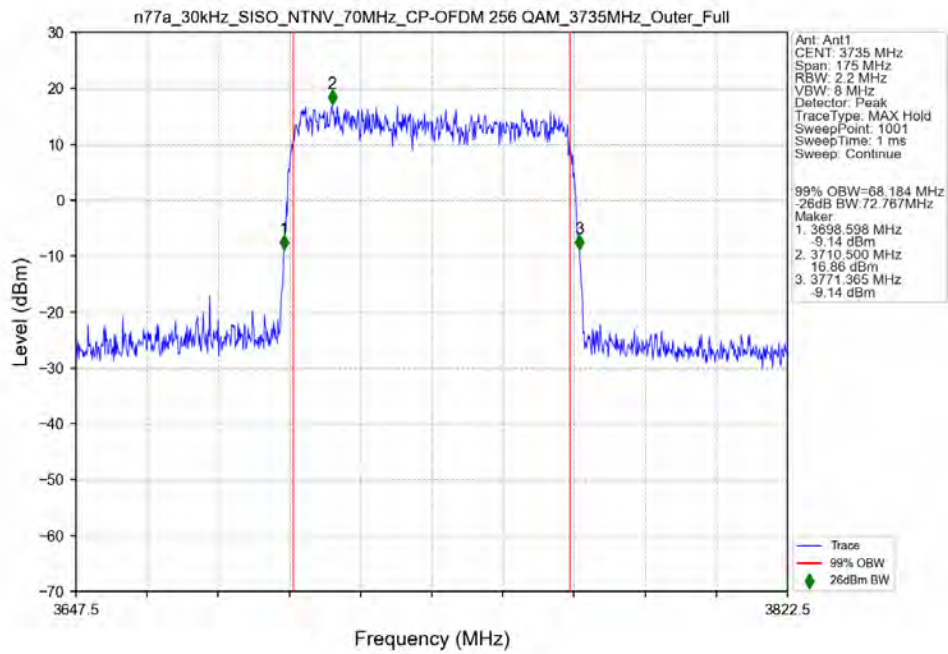
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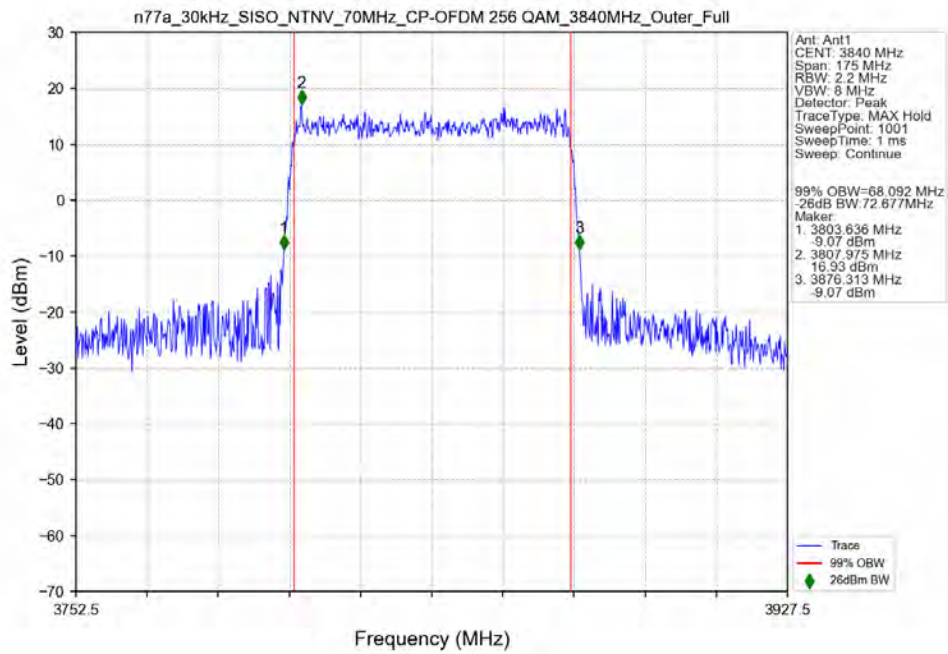
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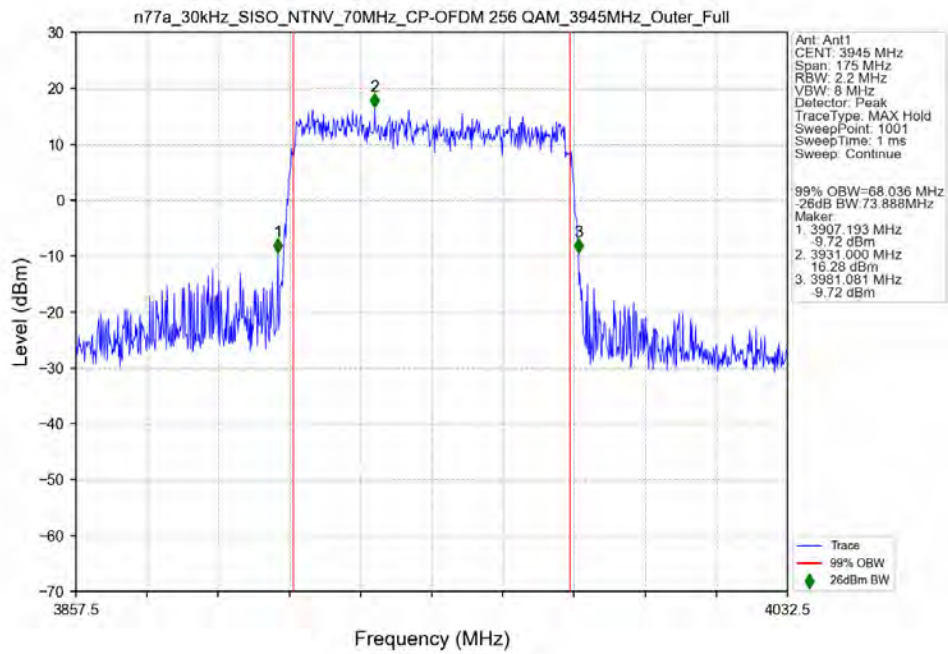
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n77a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3840MHz\_Outer\_Full\_Ant6

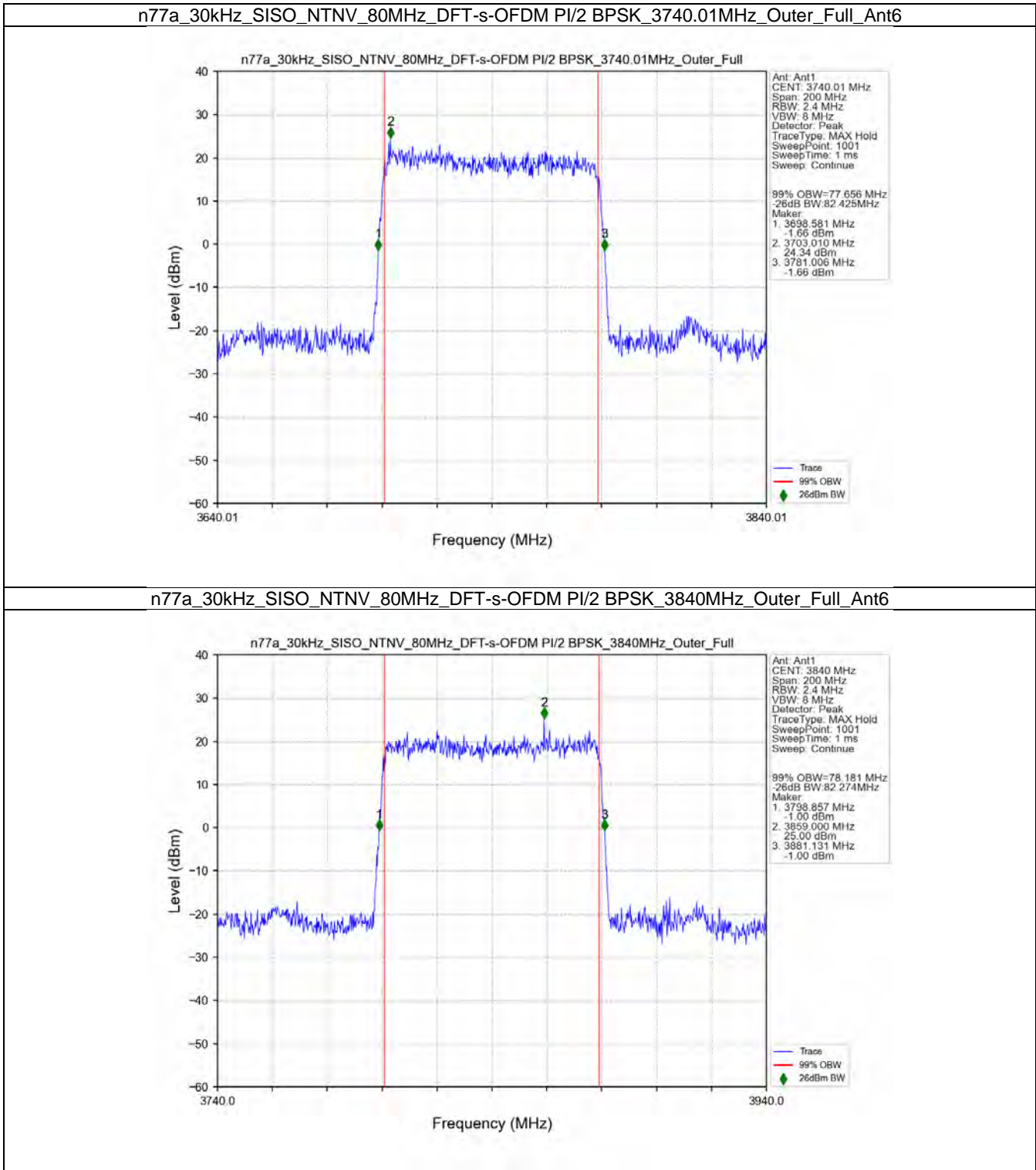


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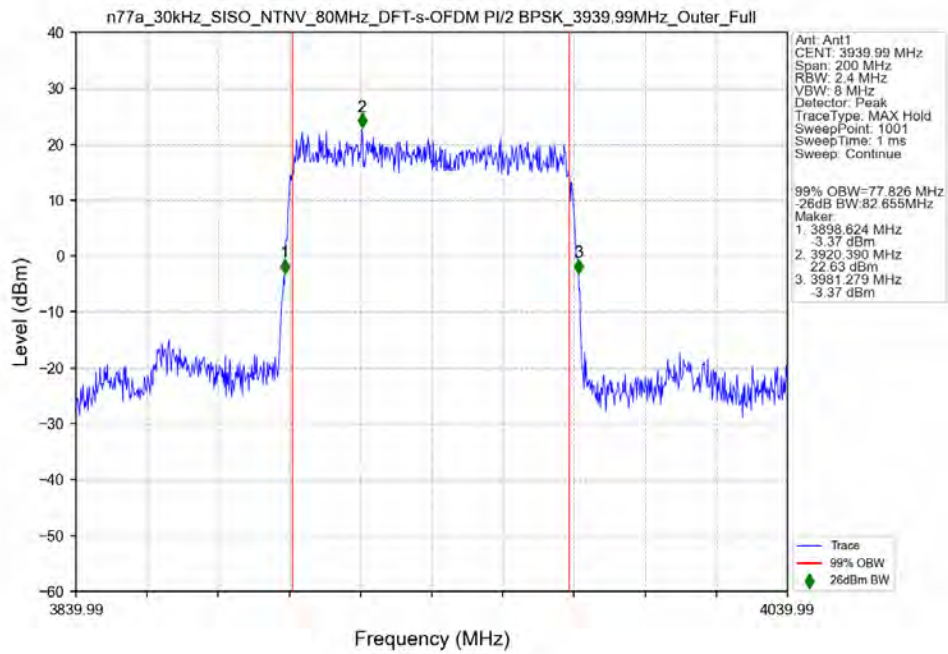




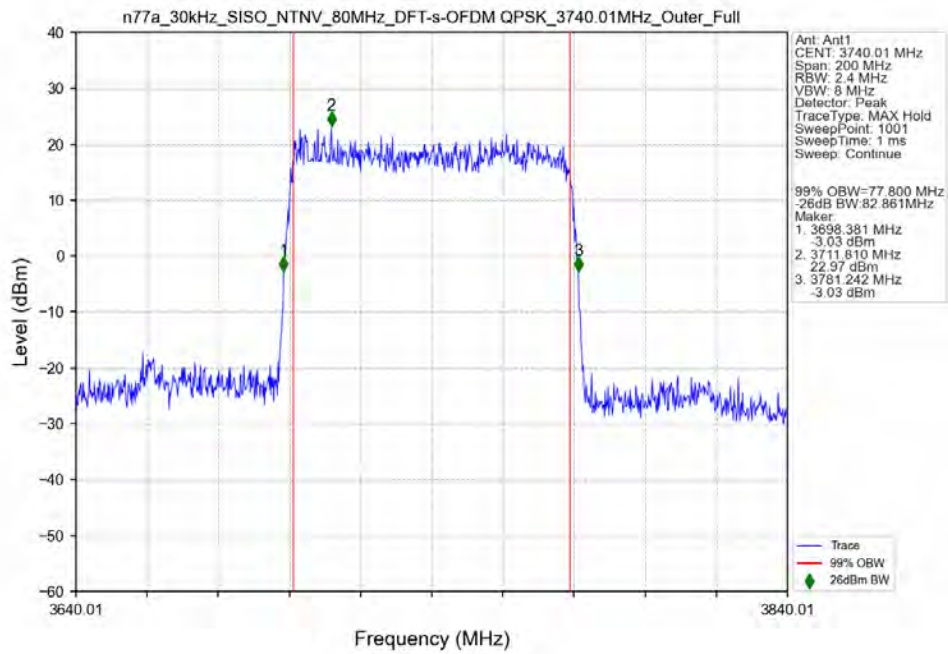
3.2.10 30k\_SISO\_80MHz\_NTNV



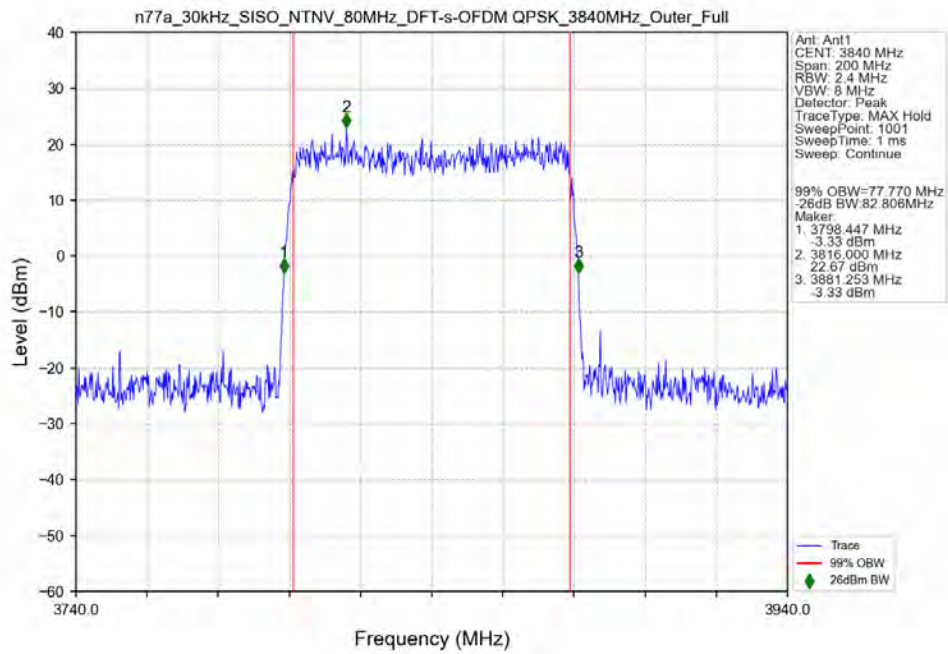
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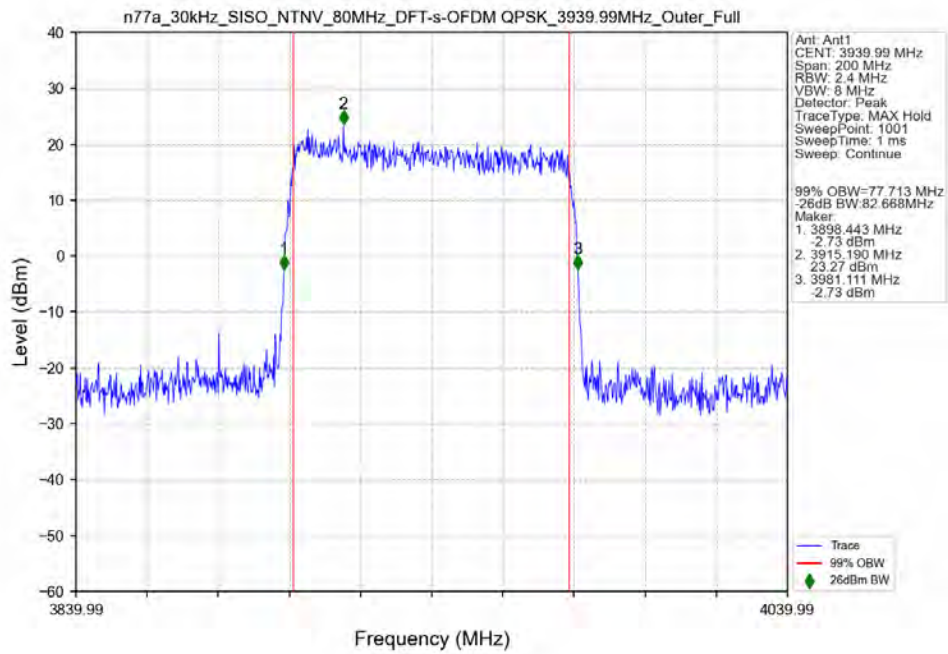
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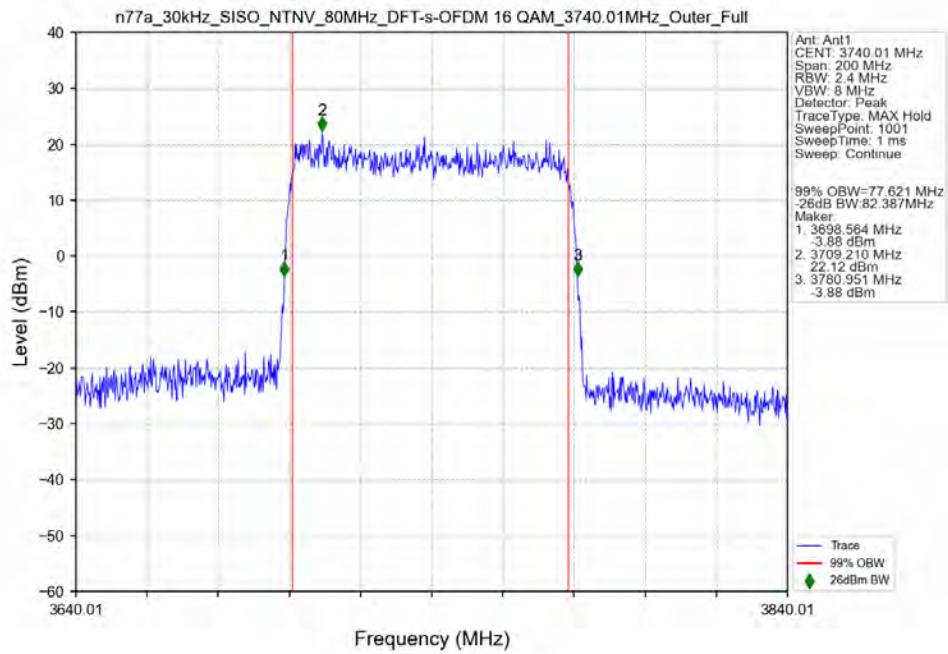
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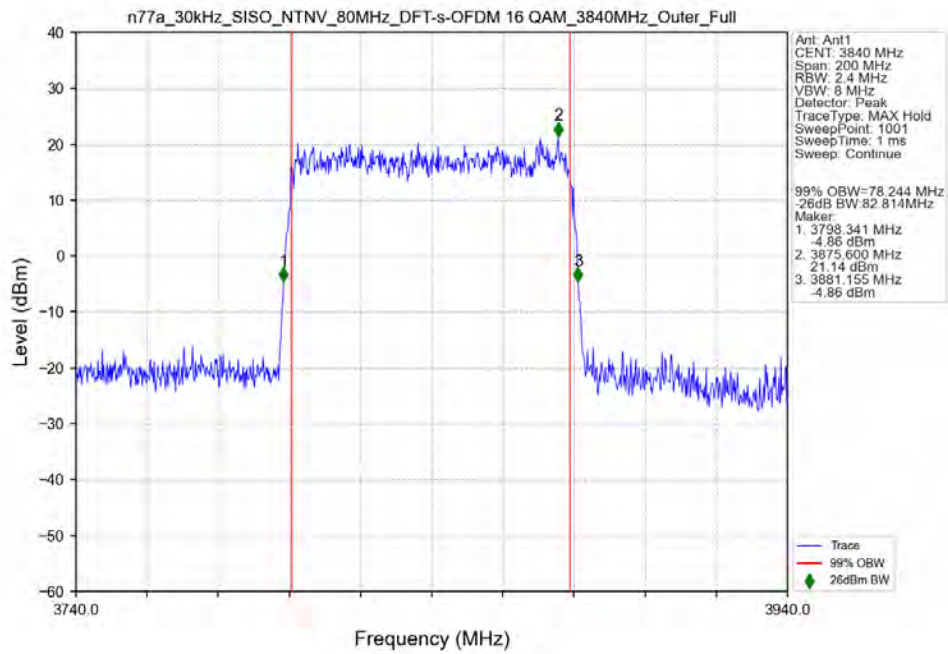
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n77a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM 16 QAM\_3740.01MHz\_Outer\_Full\_Ant6

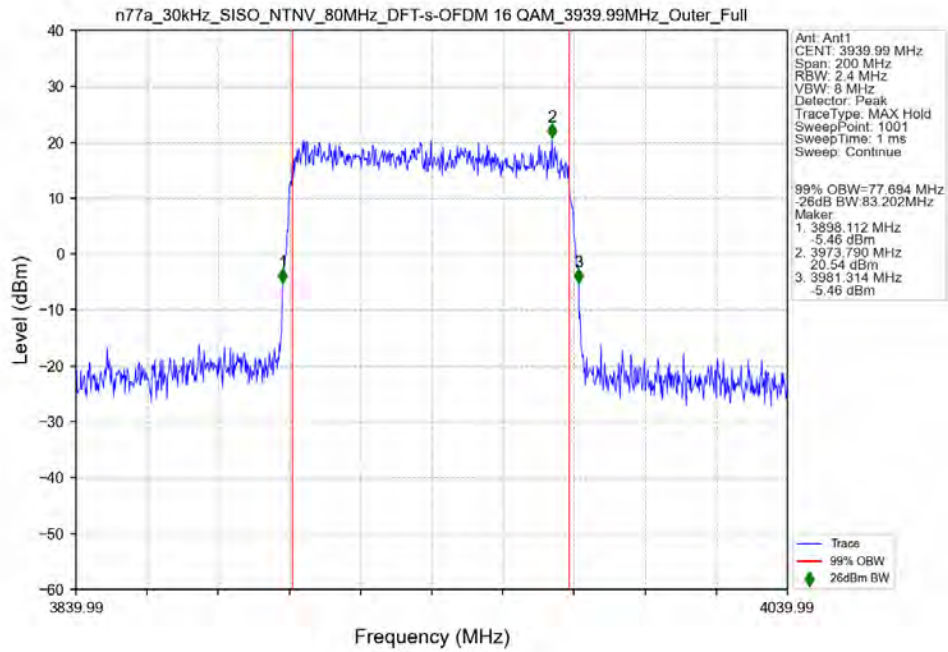


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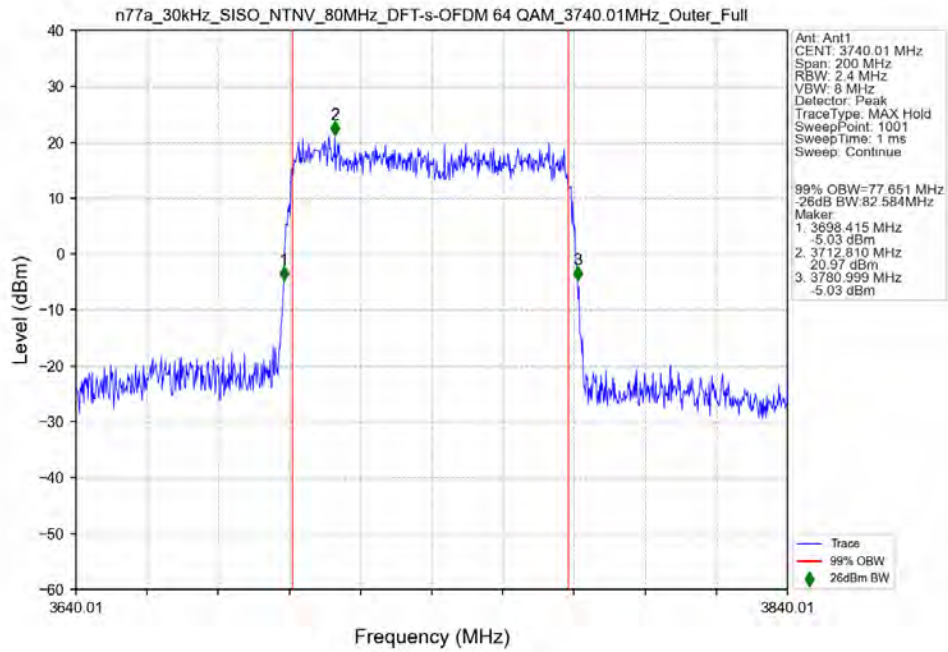




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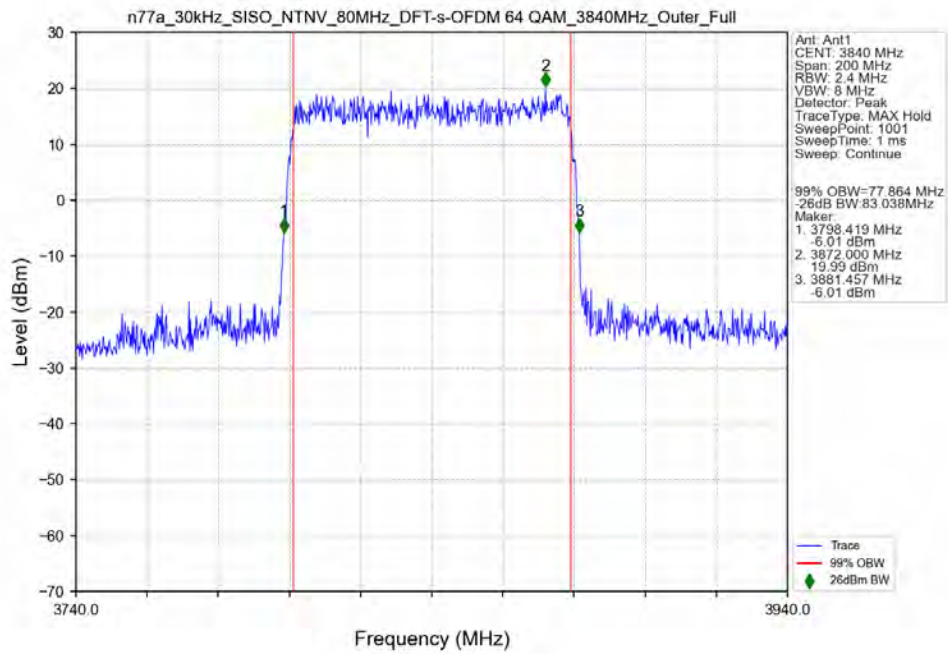


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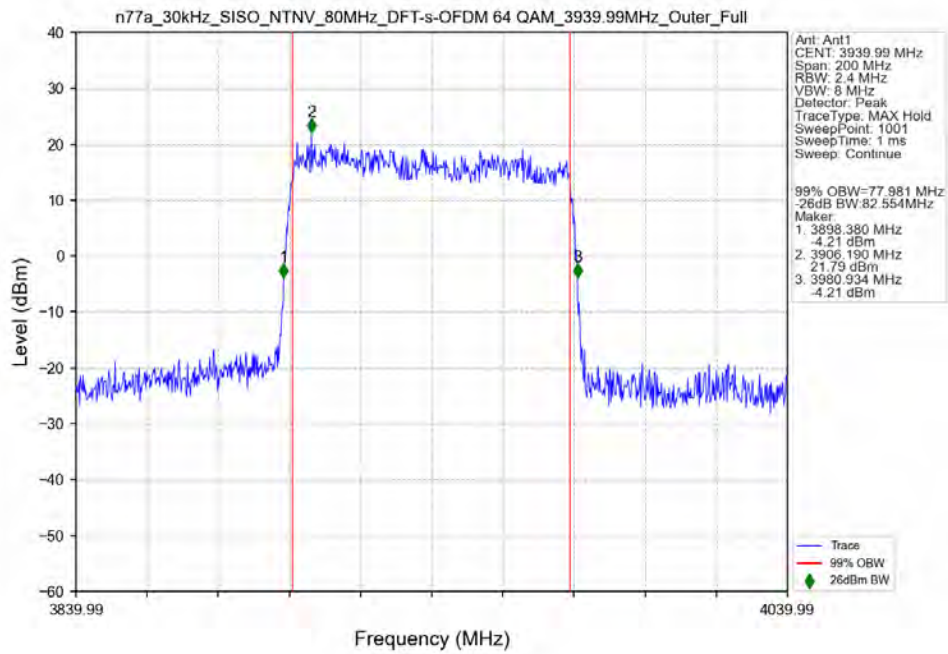




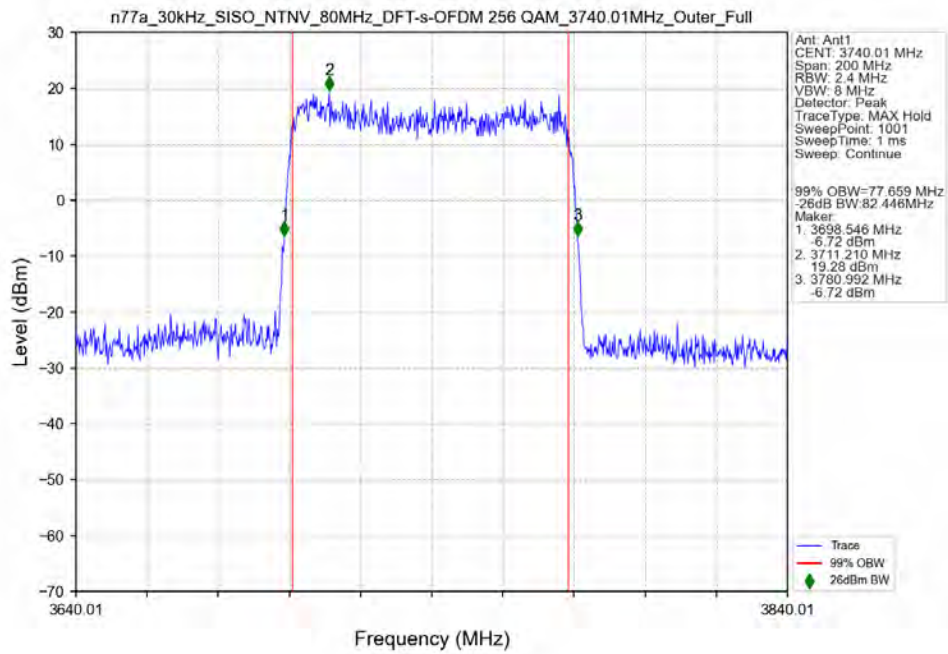
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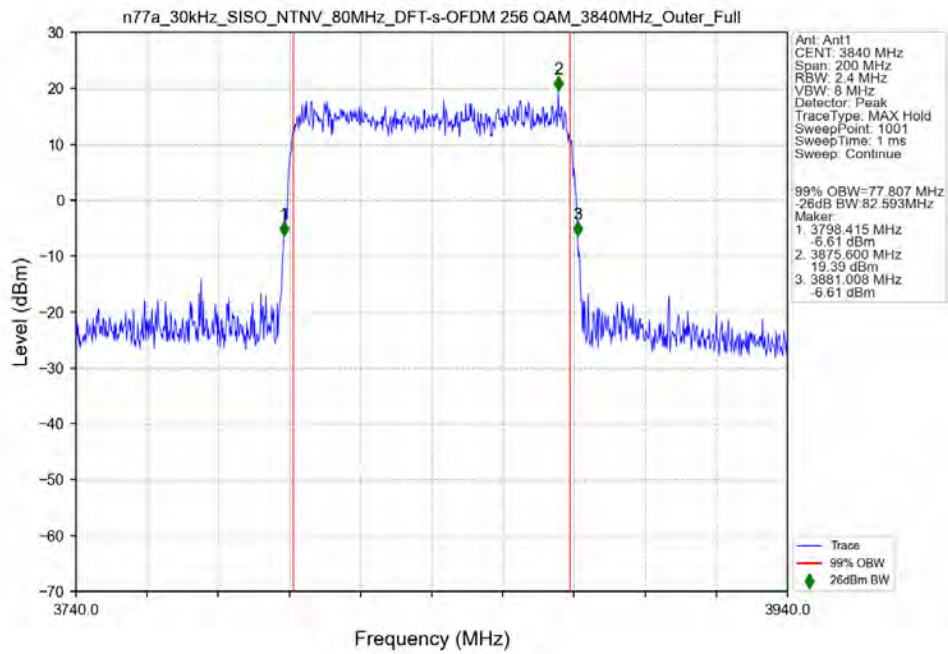
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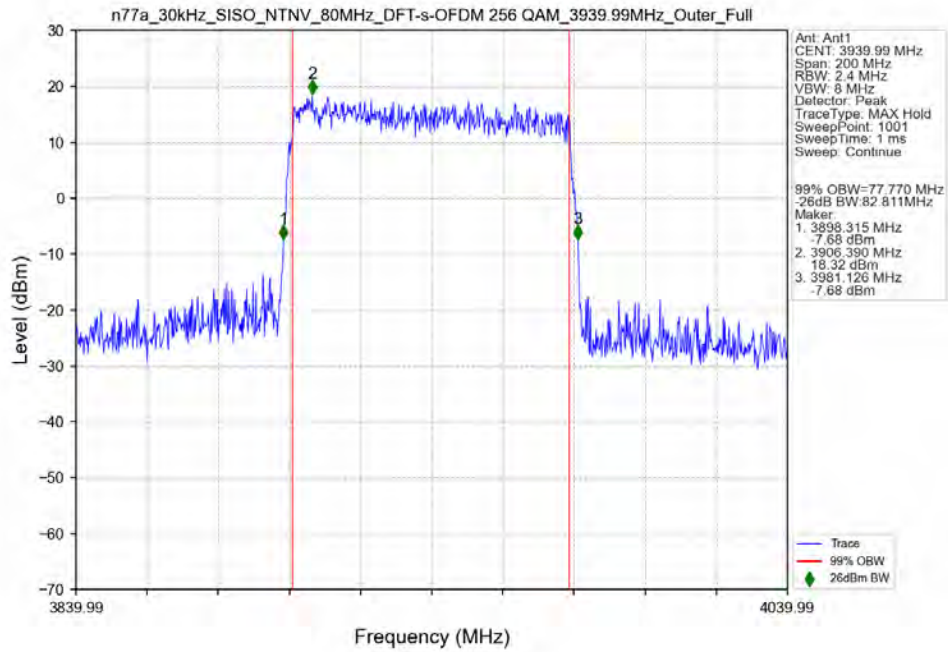
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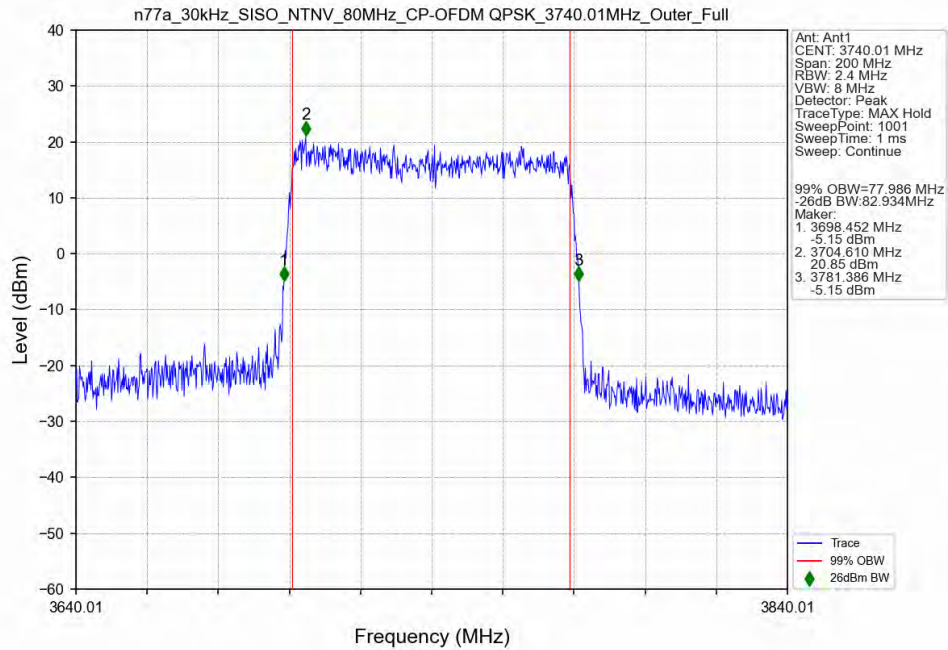
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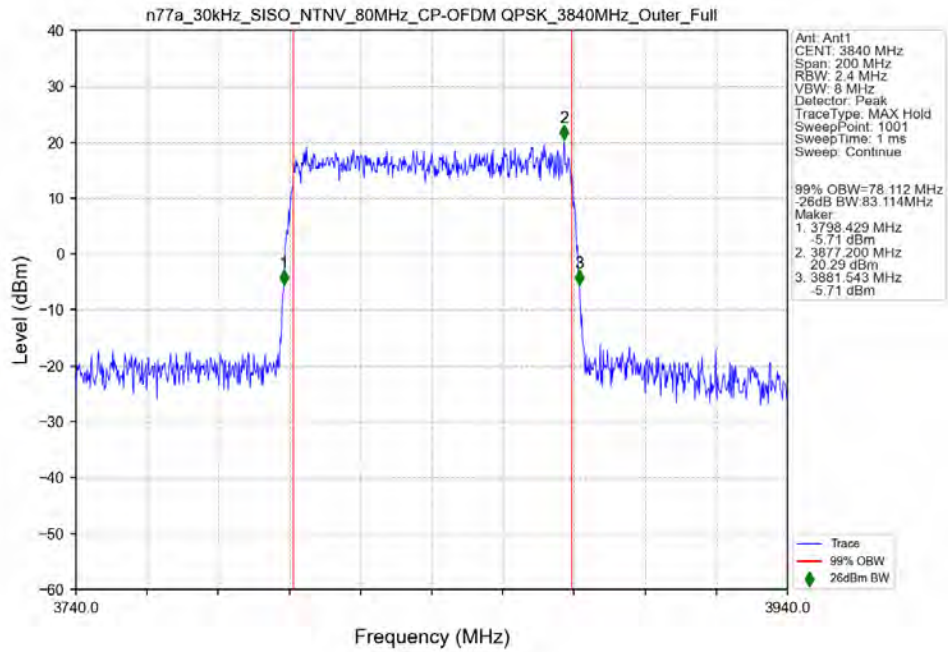
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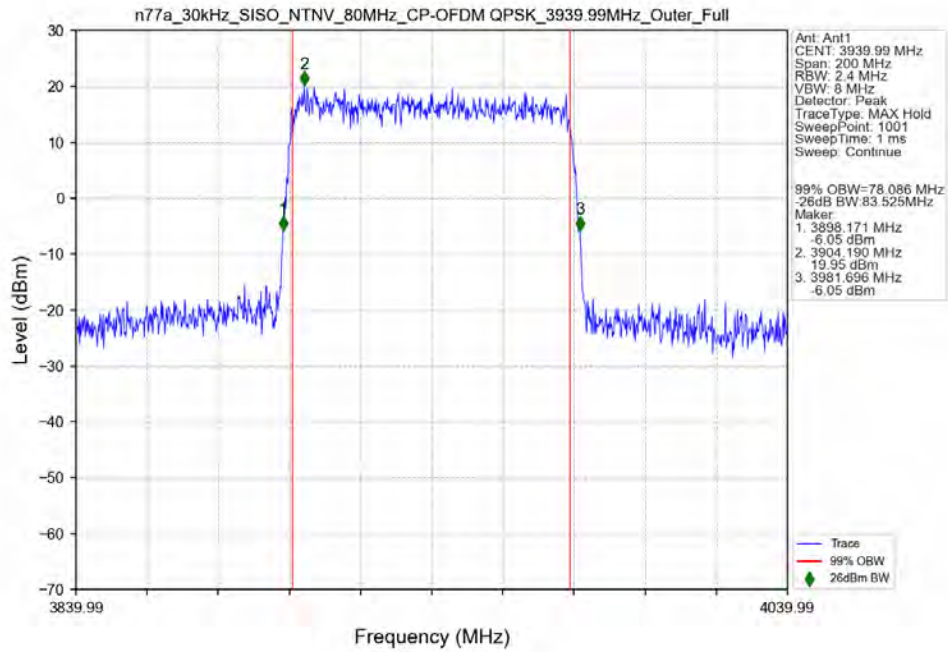
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n77a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant6

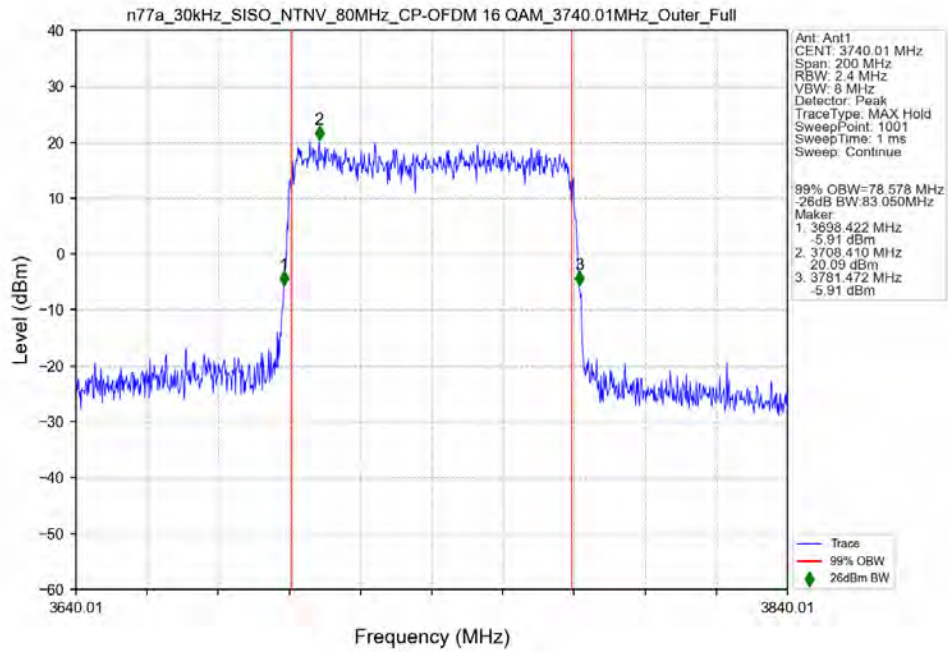


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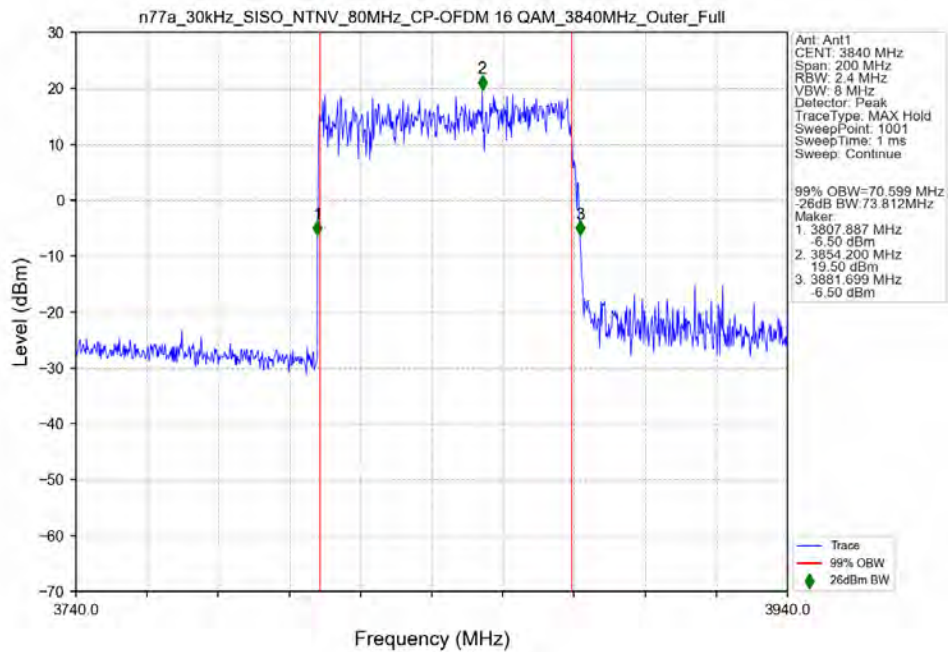




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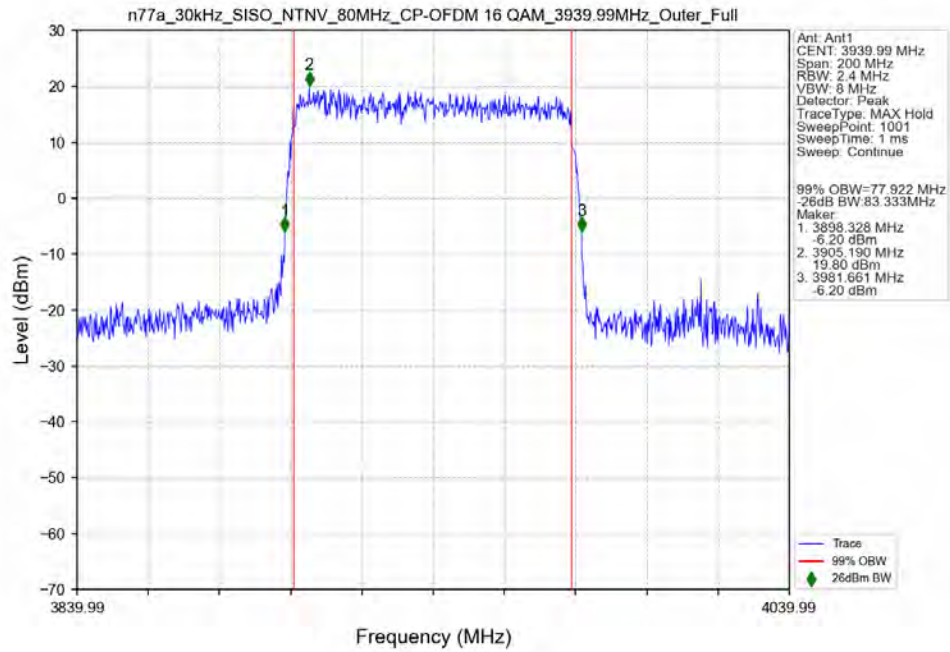


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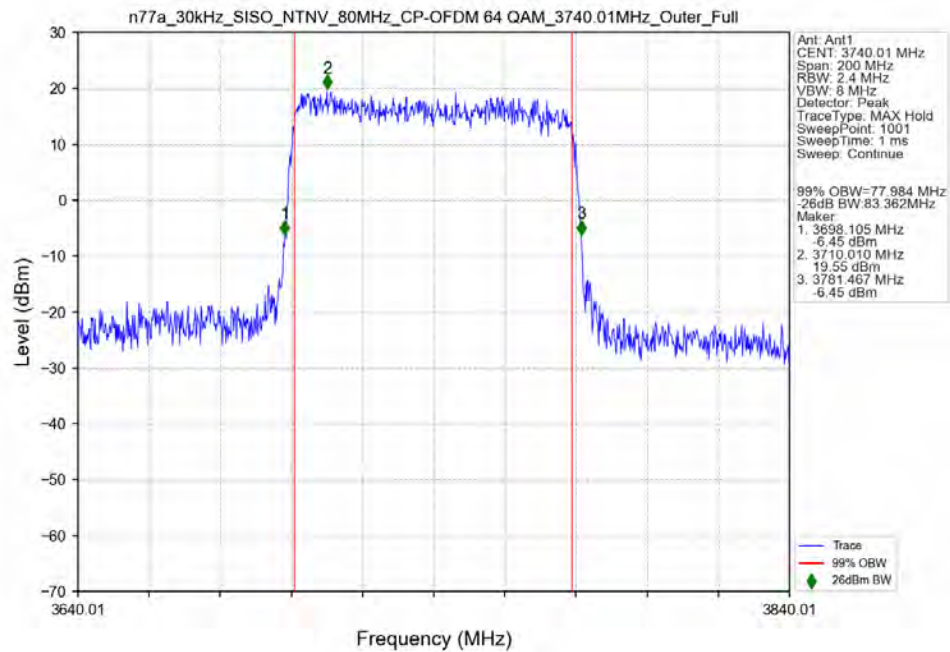




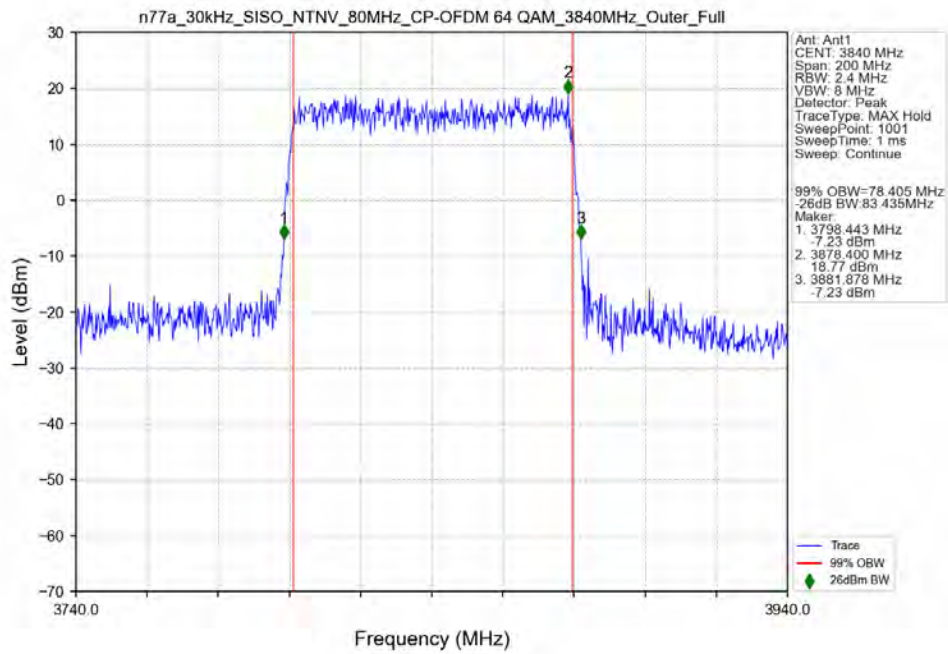
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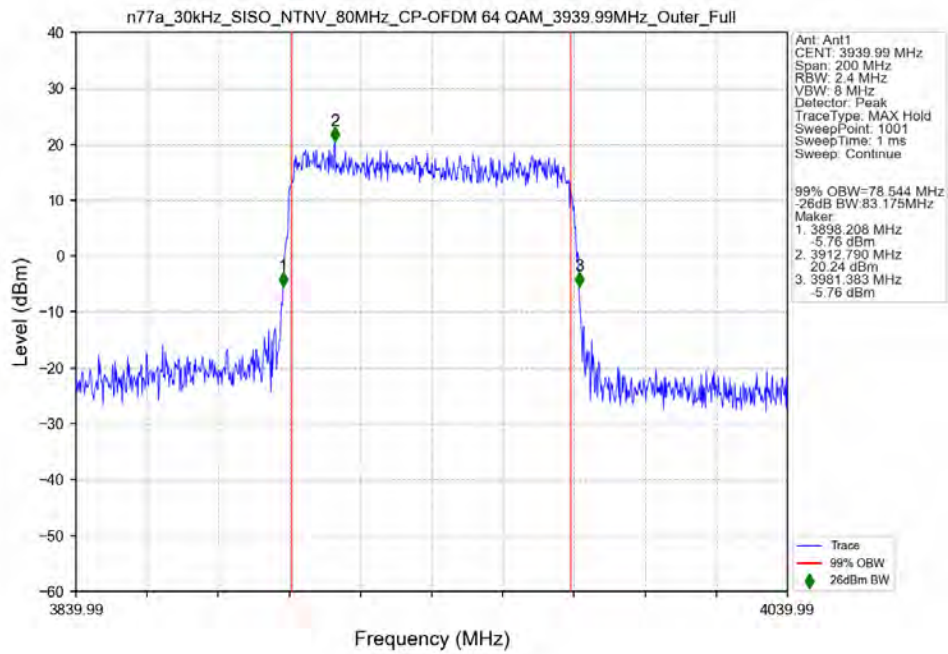
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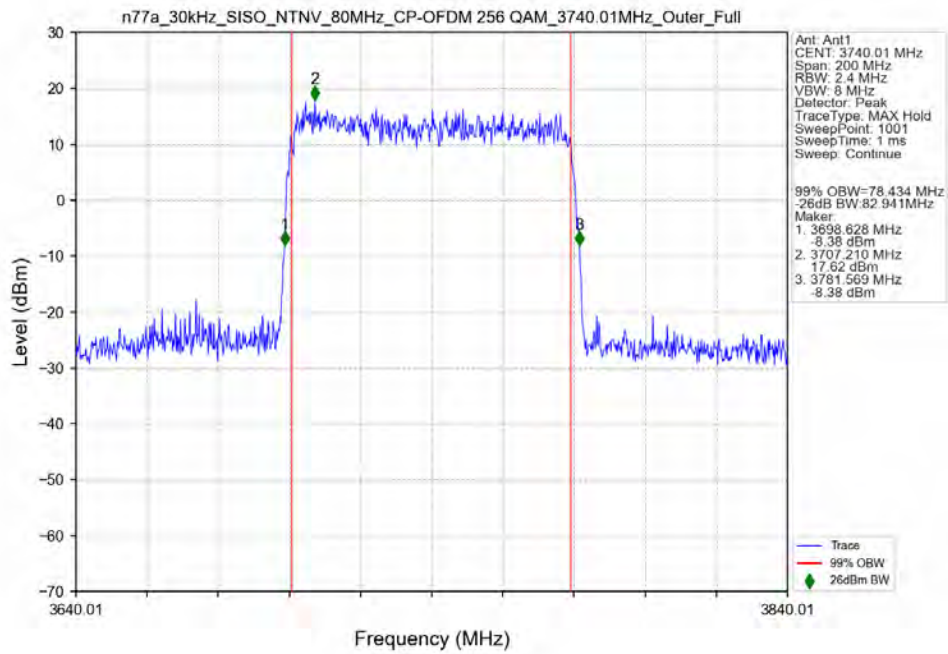
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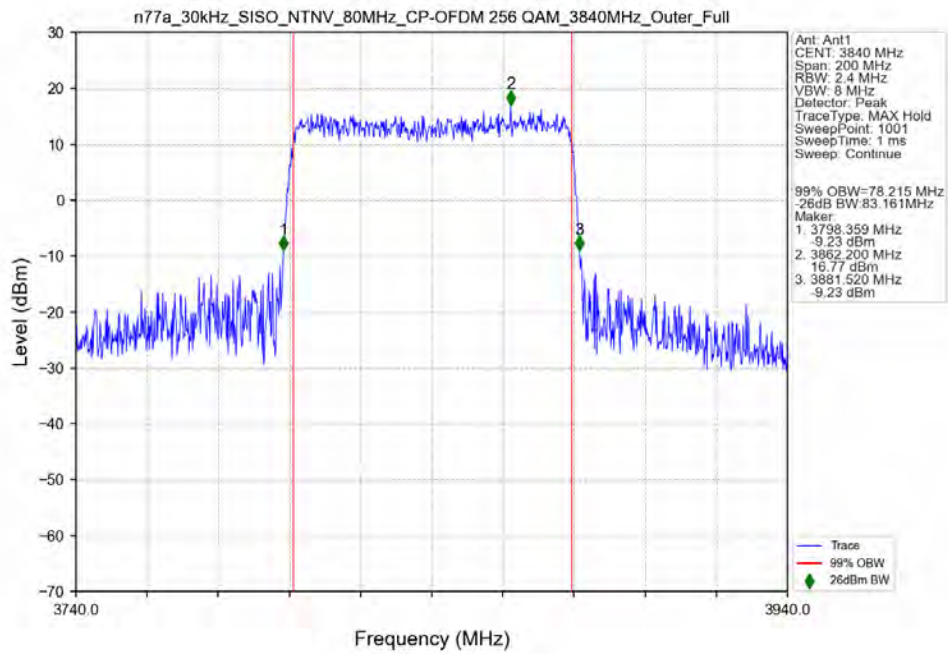
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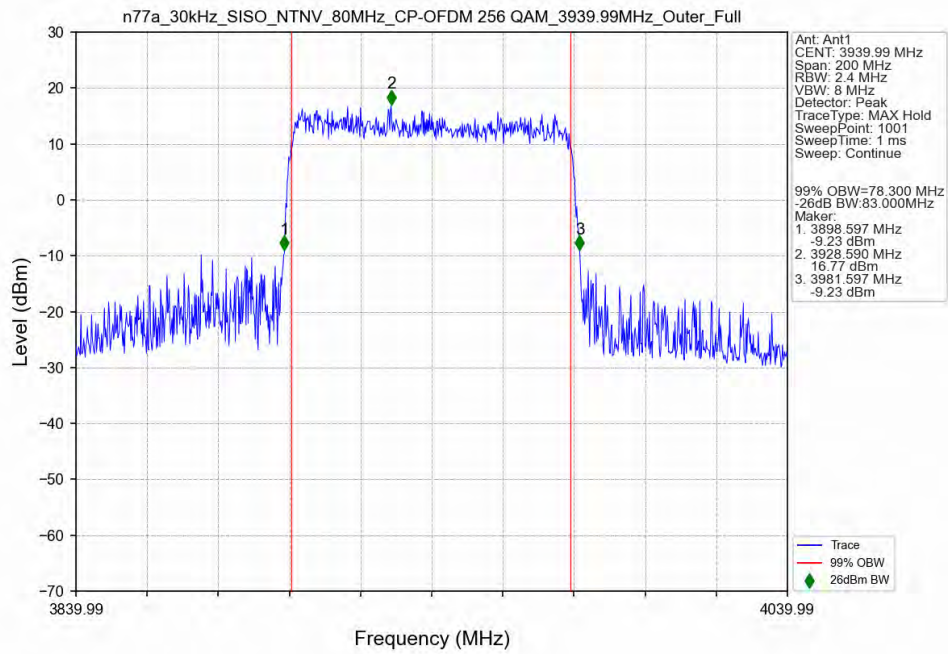
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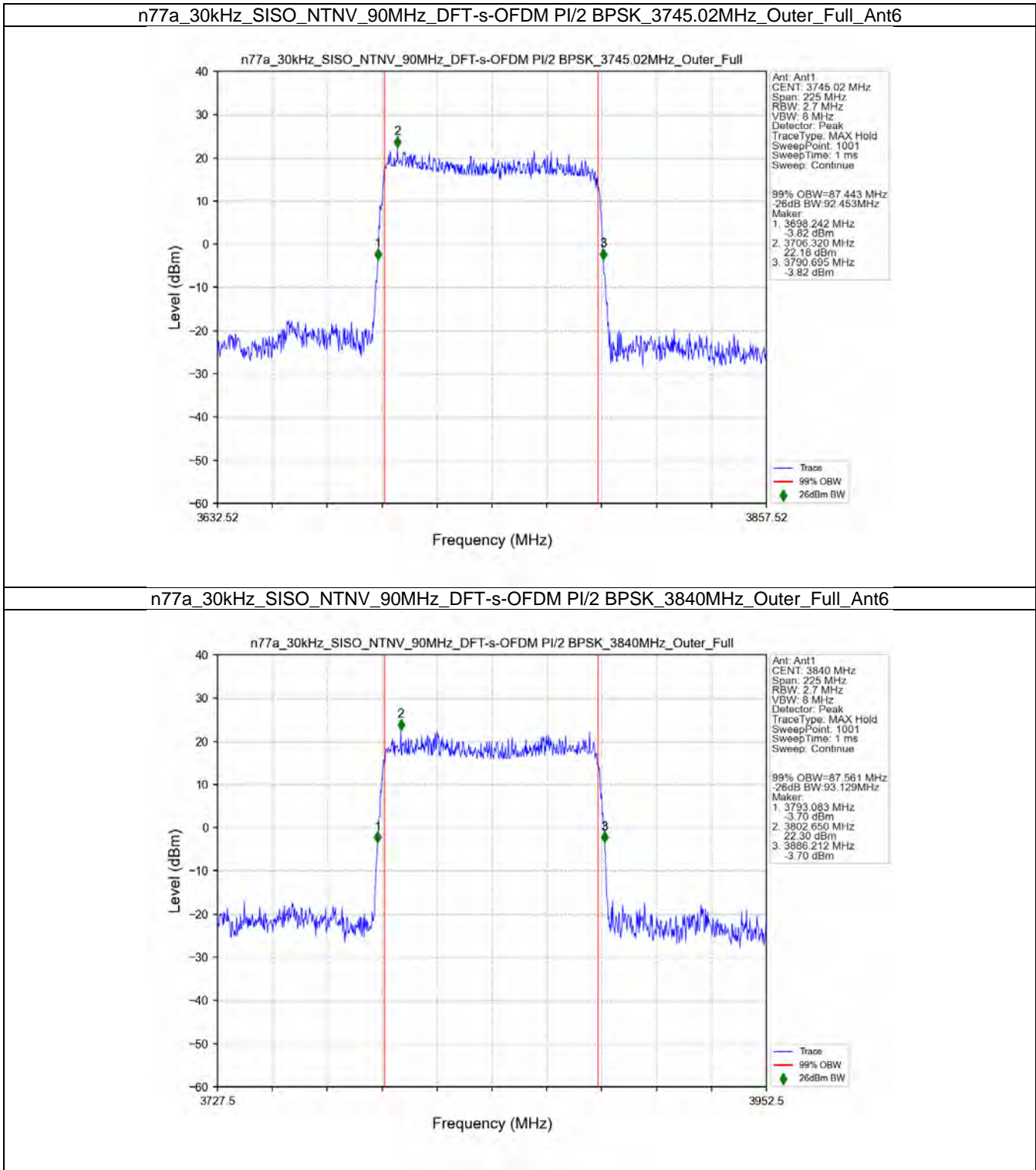
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n77a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM 256 QAM\_3939.99MHz\_Outer\_Full\_Ant6

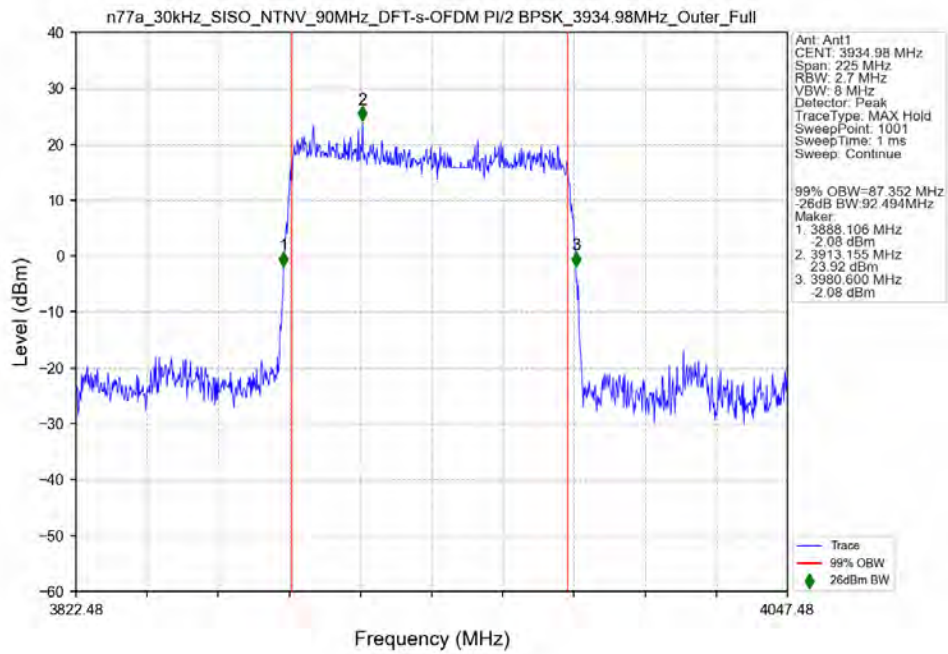


3.2.11 30k\_SISO\_90MHz\_NTNV

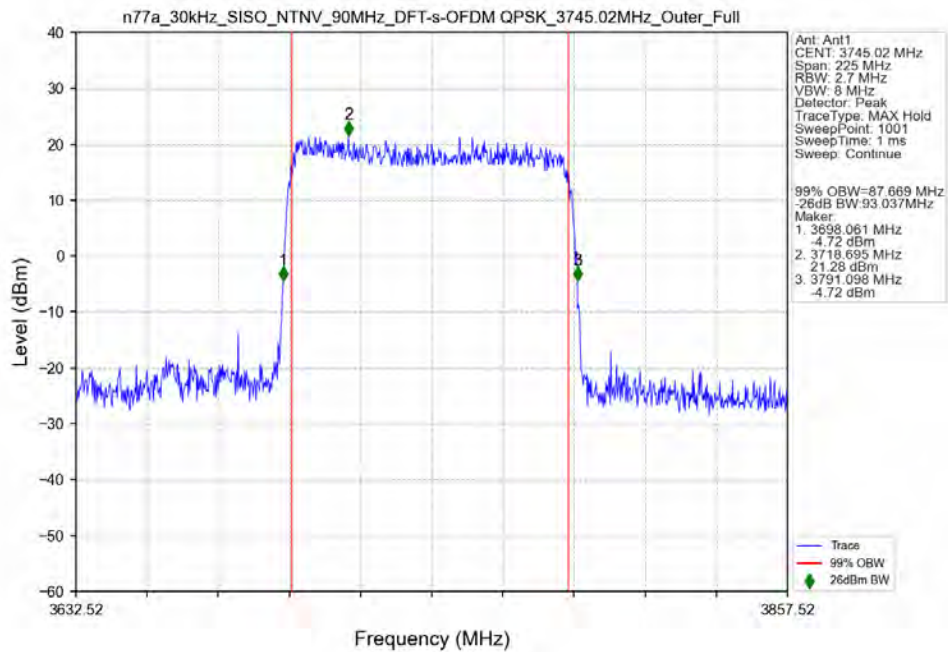




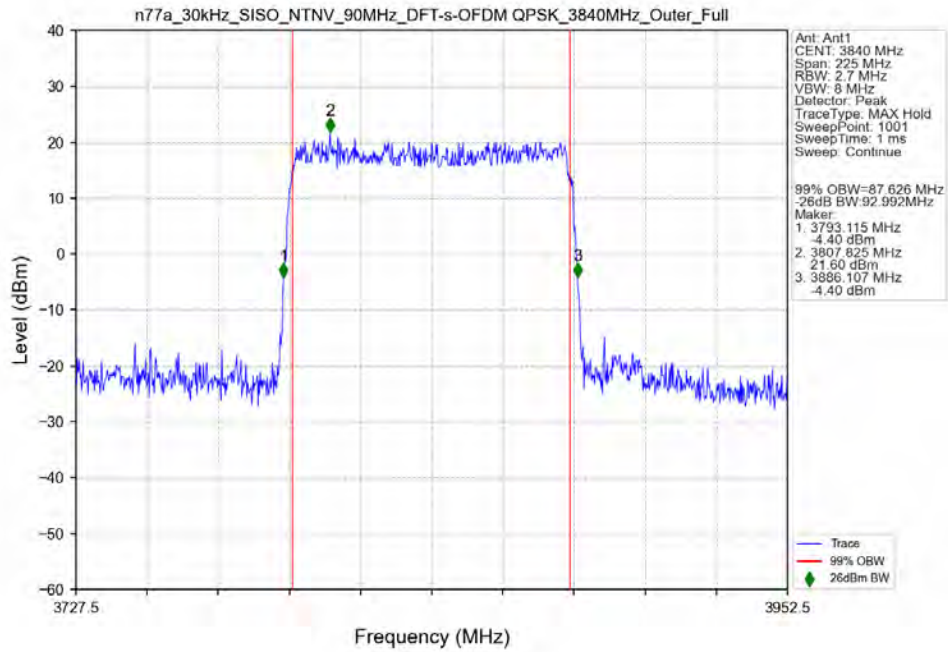
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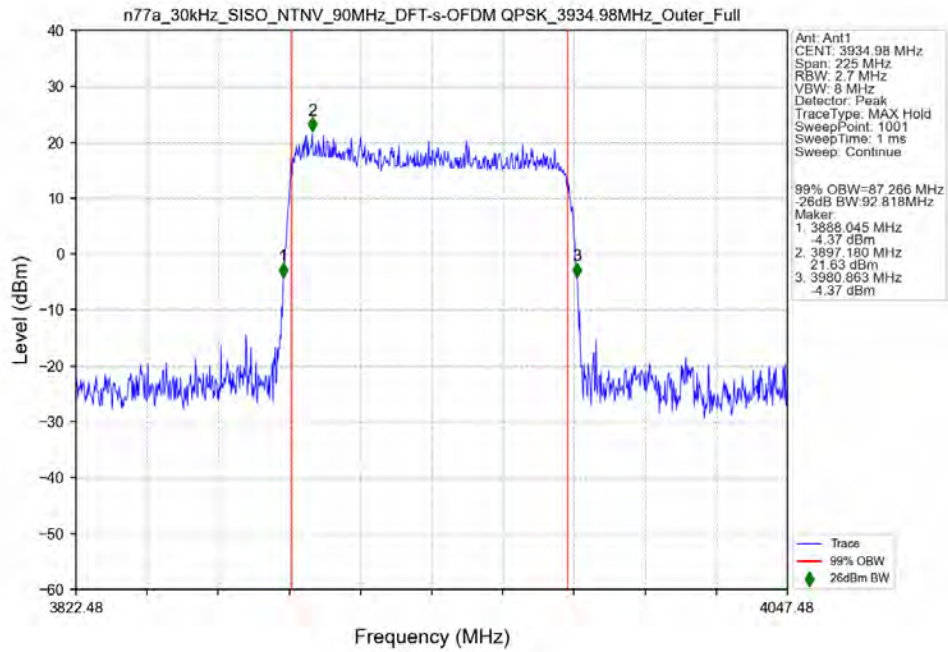
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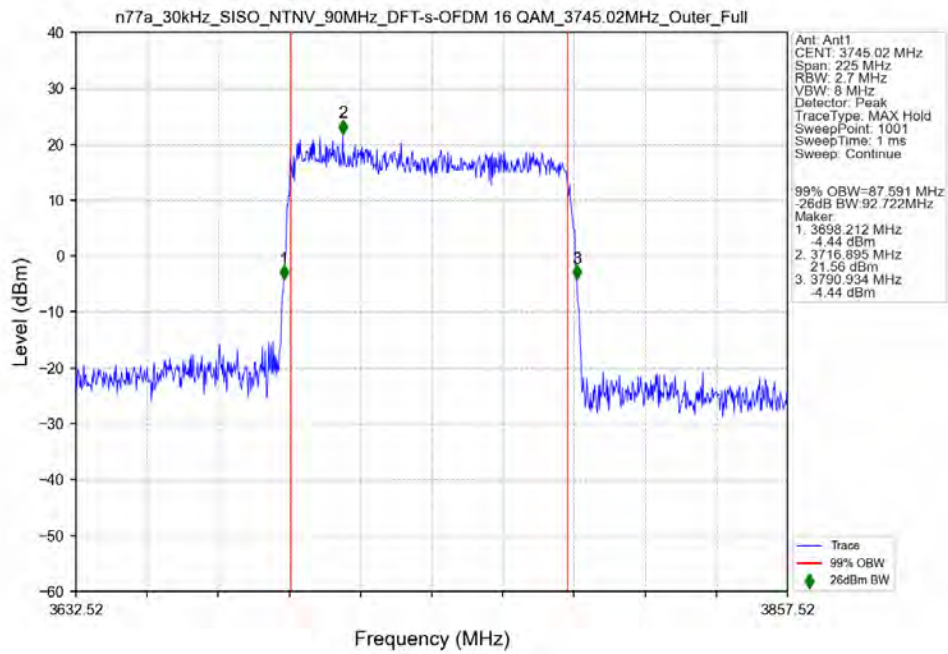
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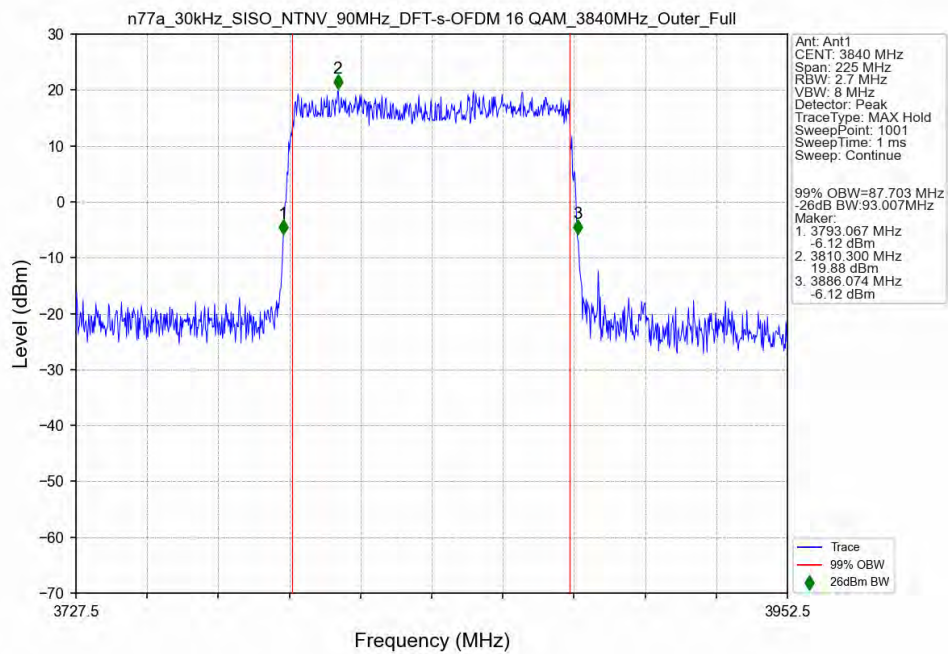
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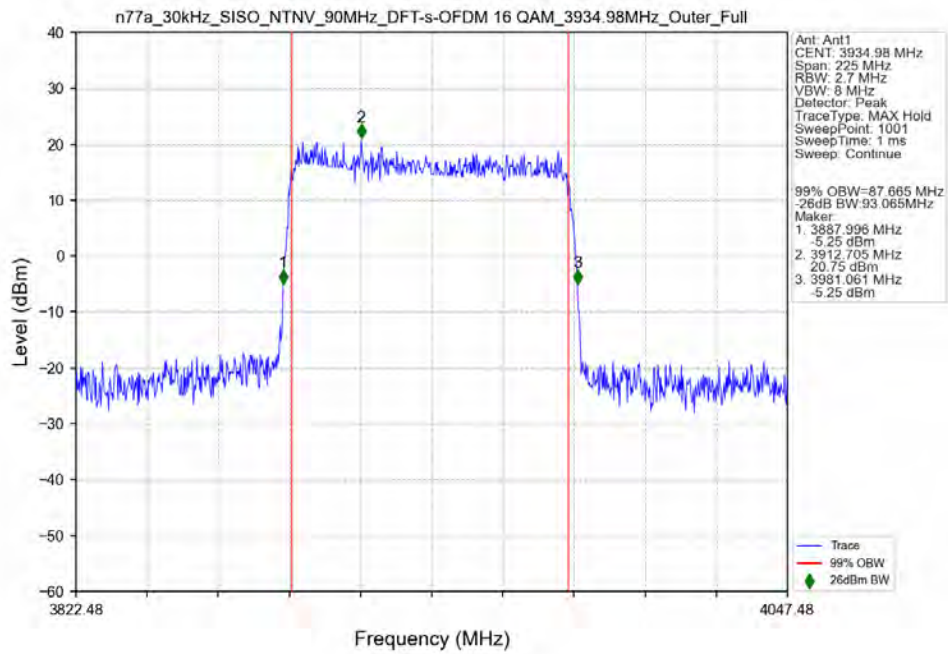
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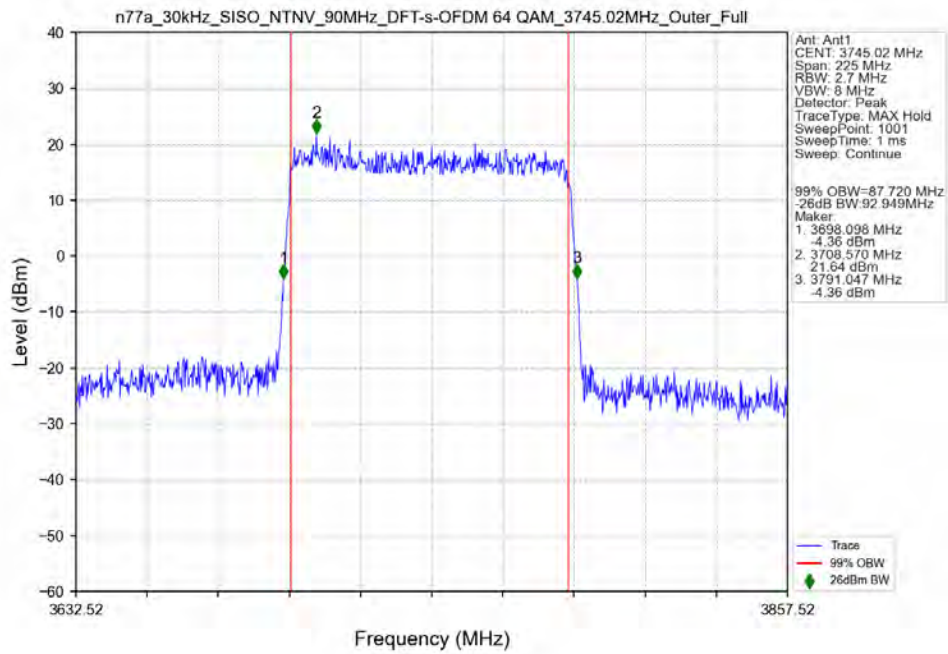
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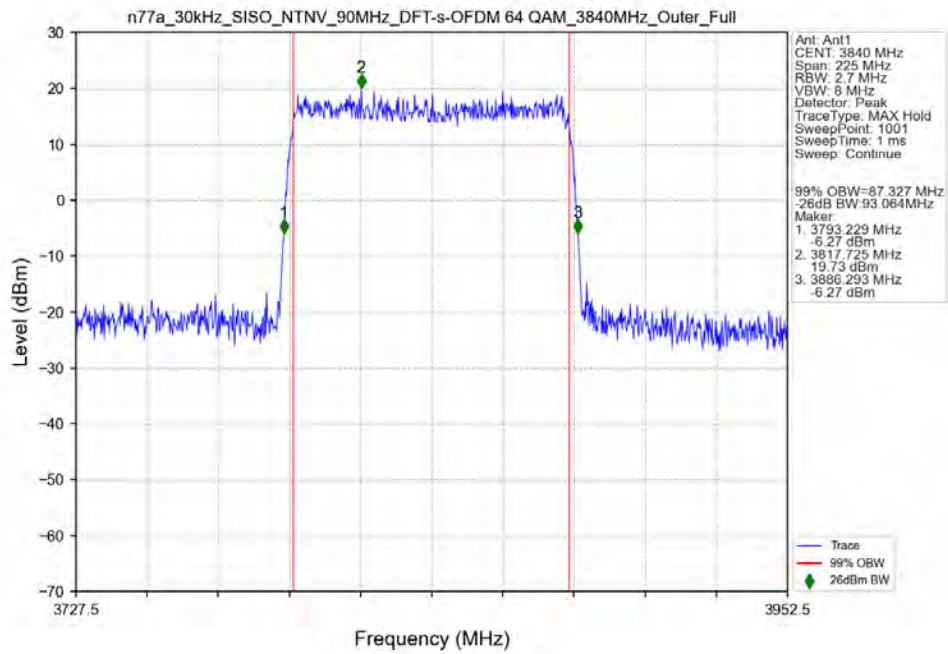


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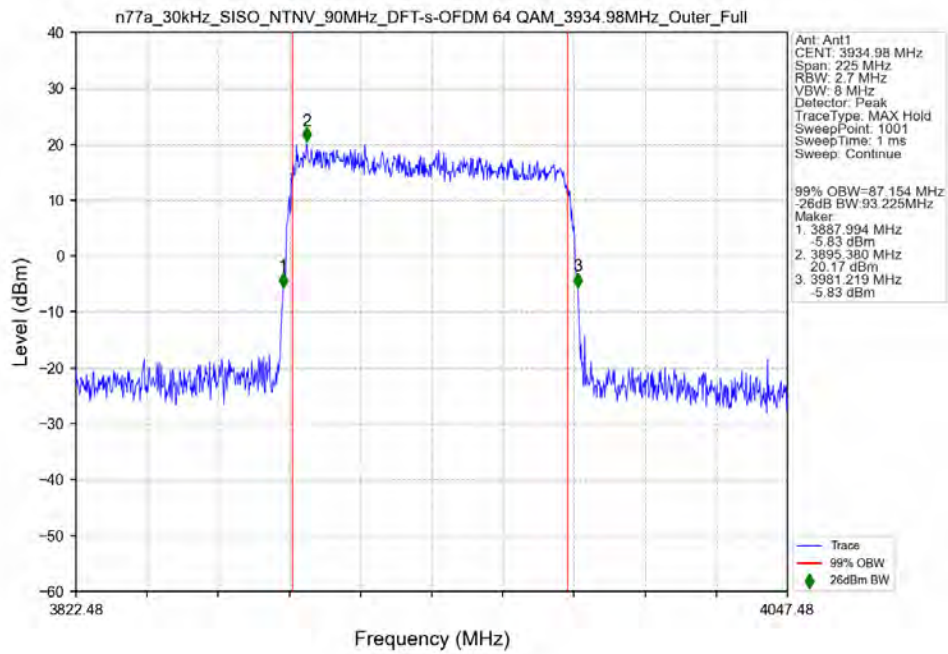




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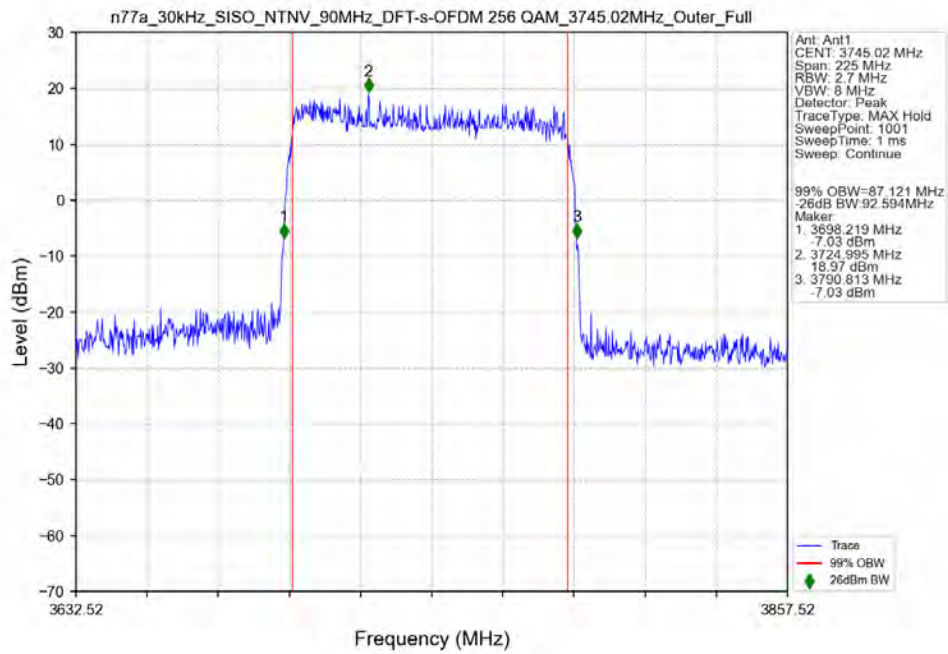


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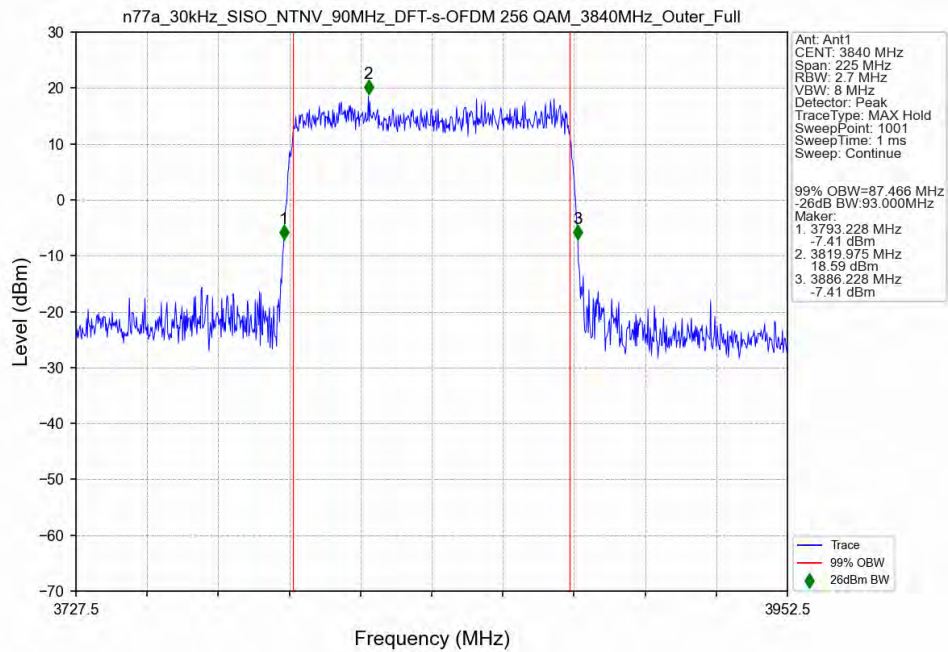




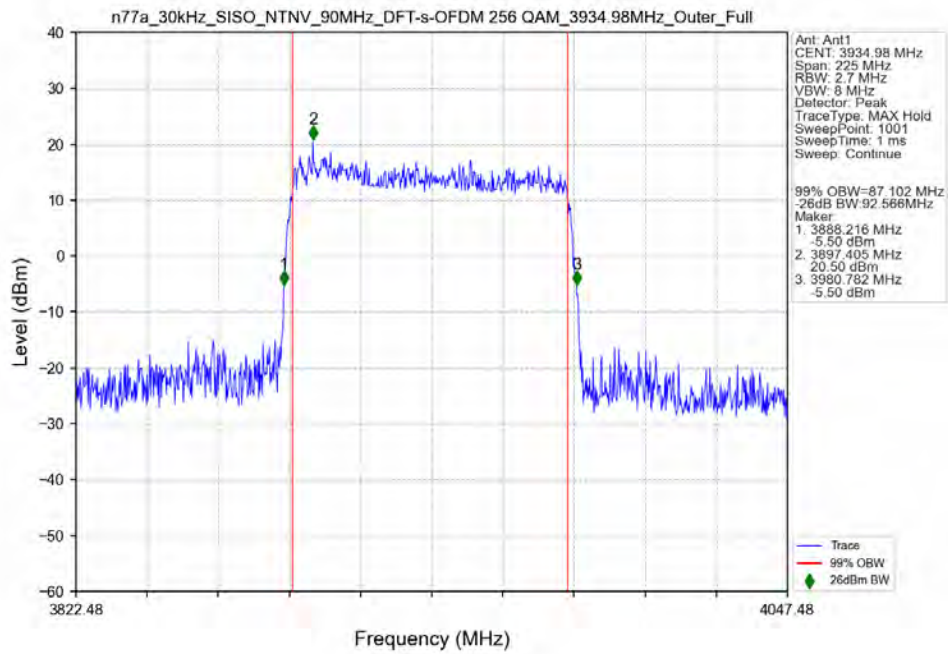
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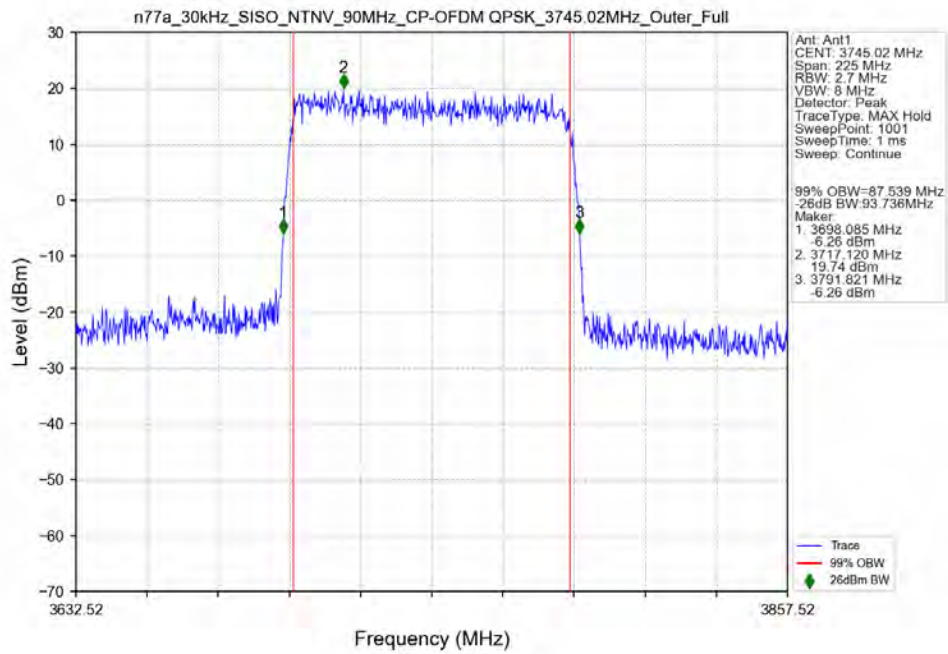
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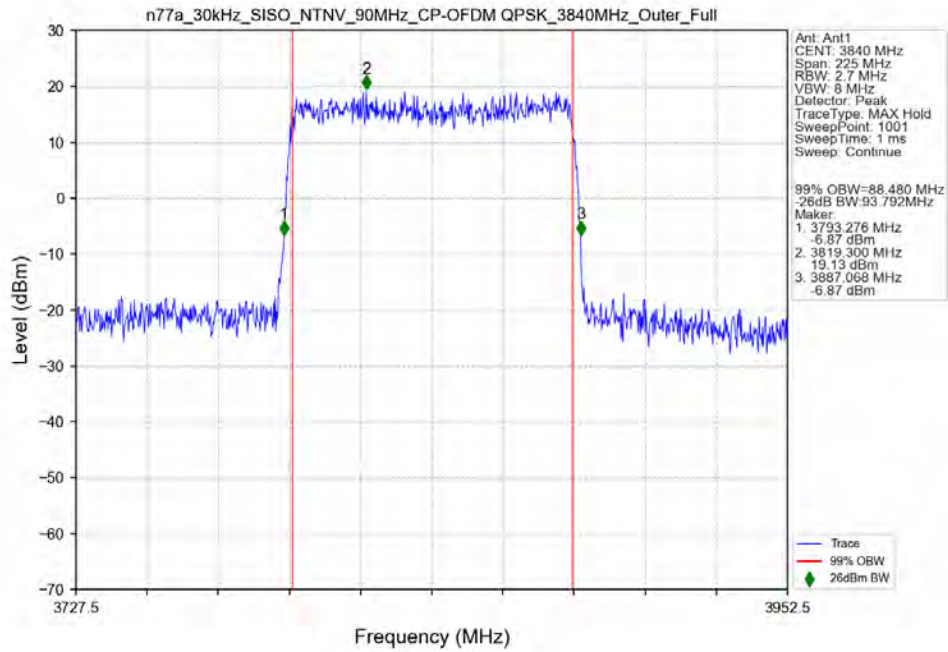
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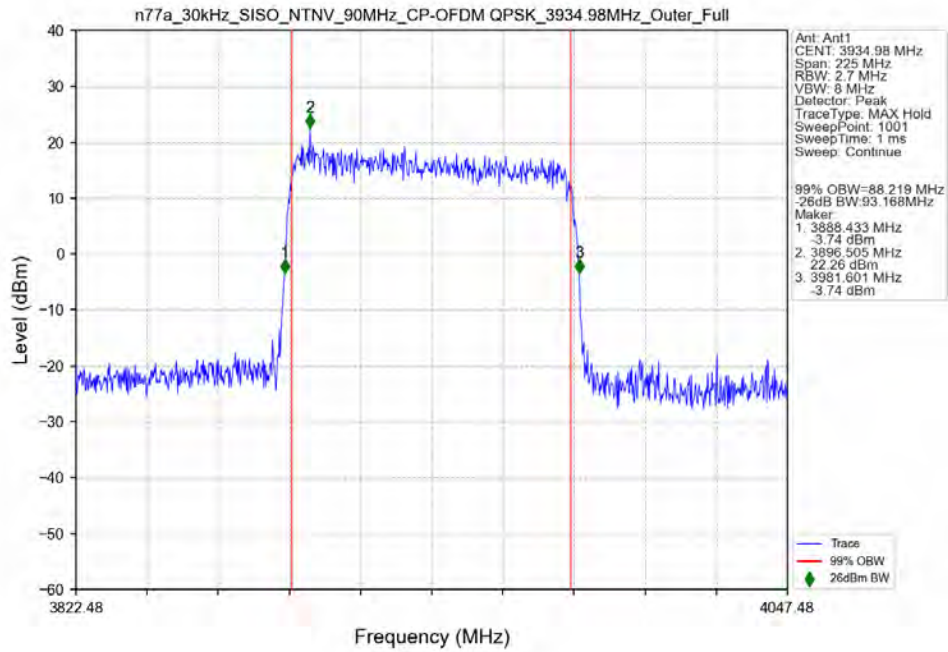
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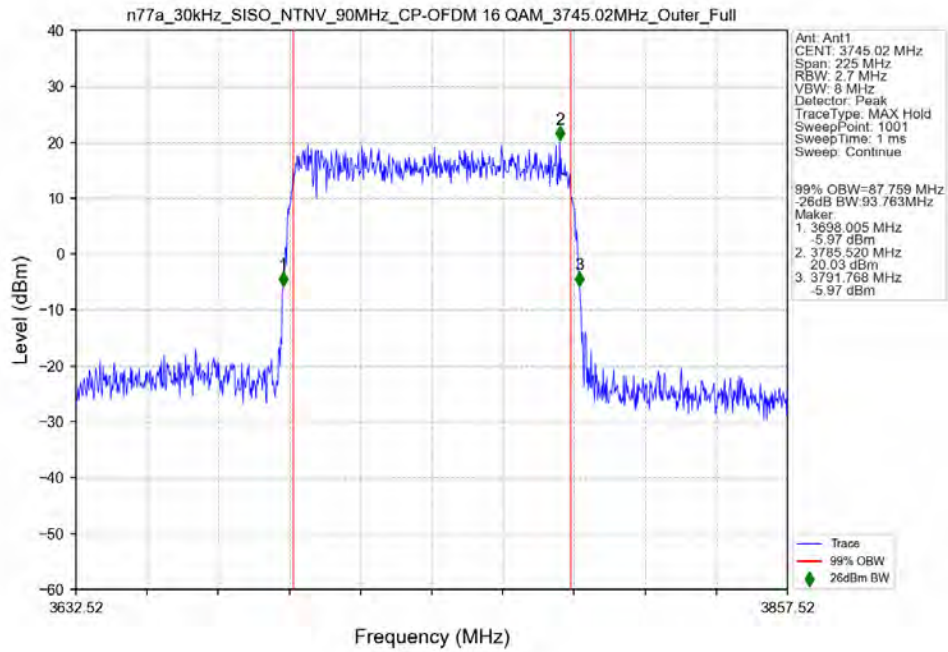
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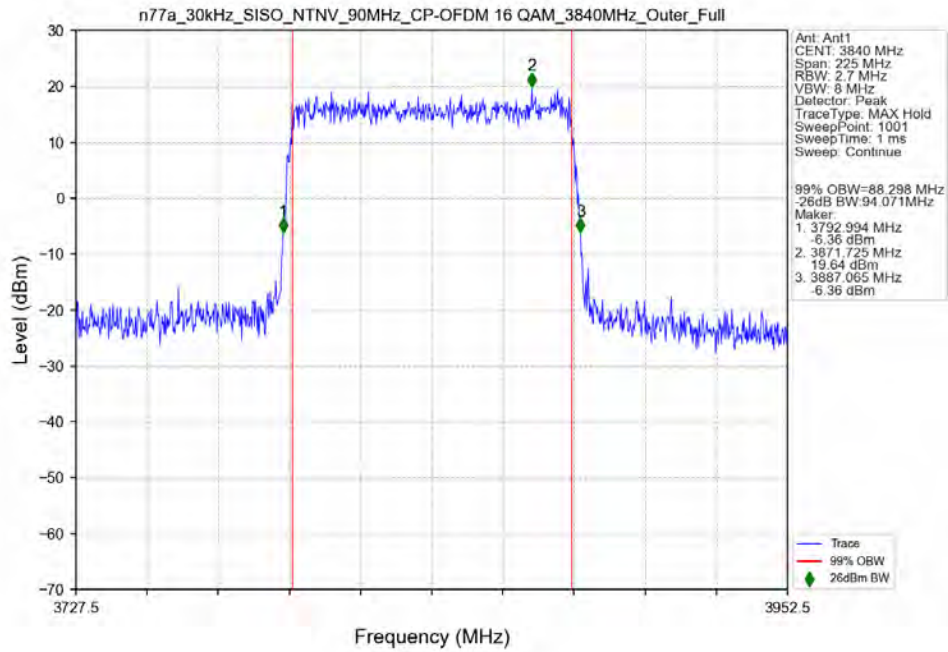
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n77a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 16 QAM 3745.02MHz\_Outer\_Full\_Ant6

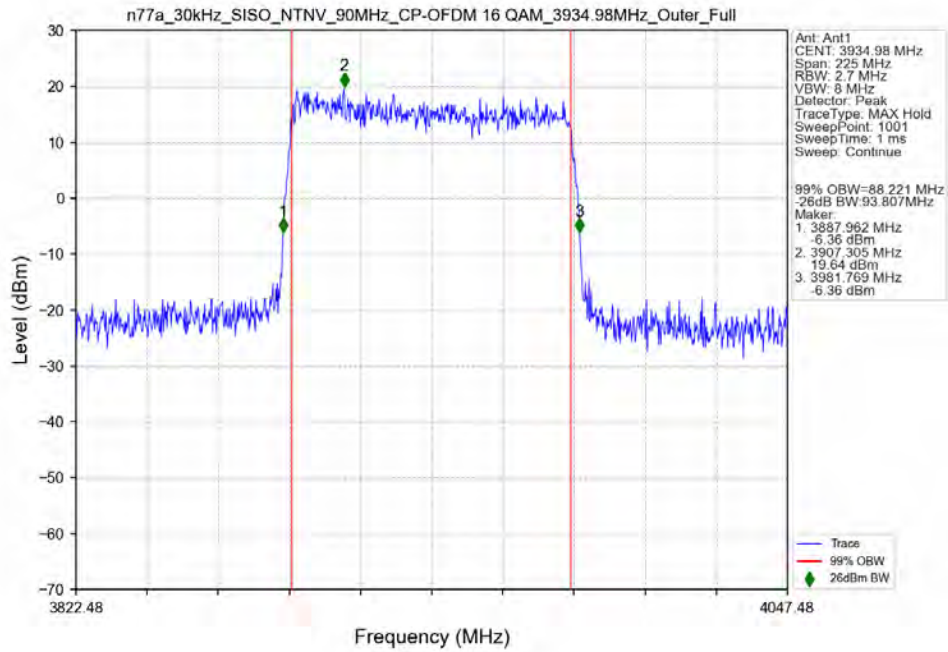


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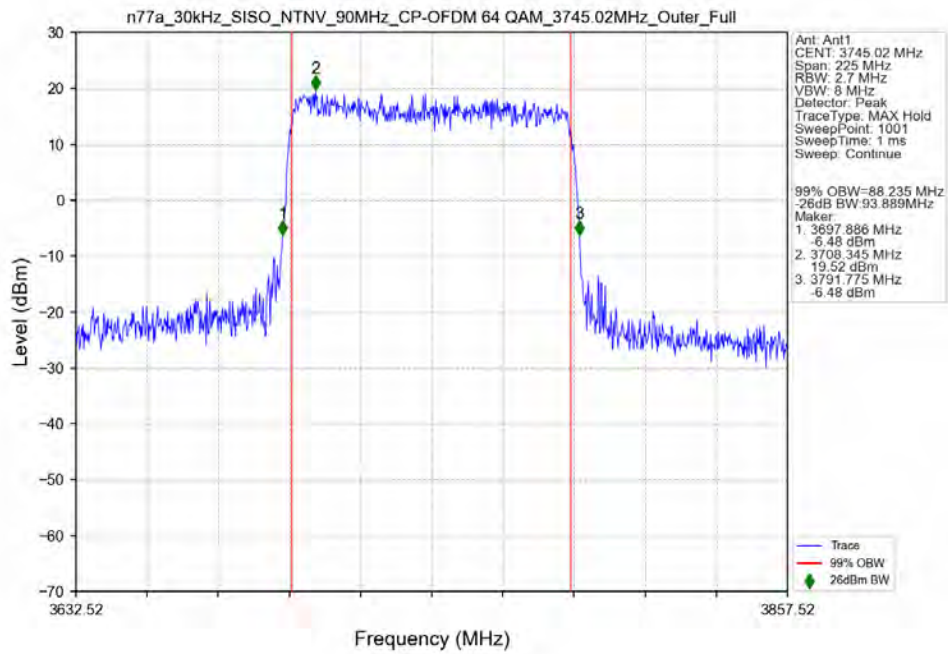




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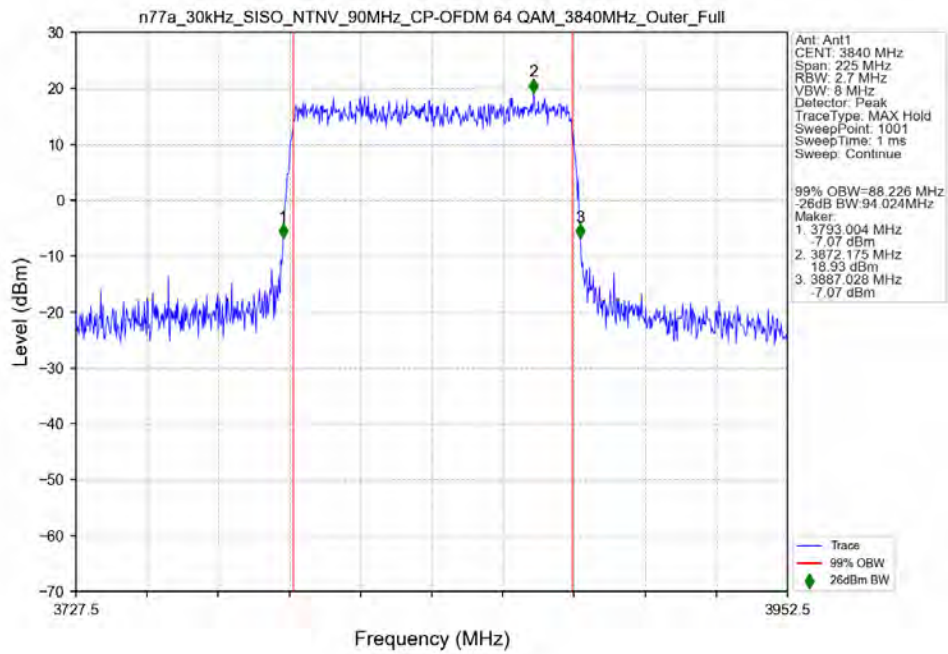


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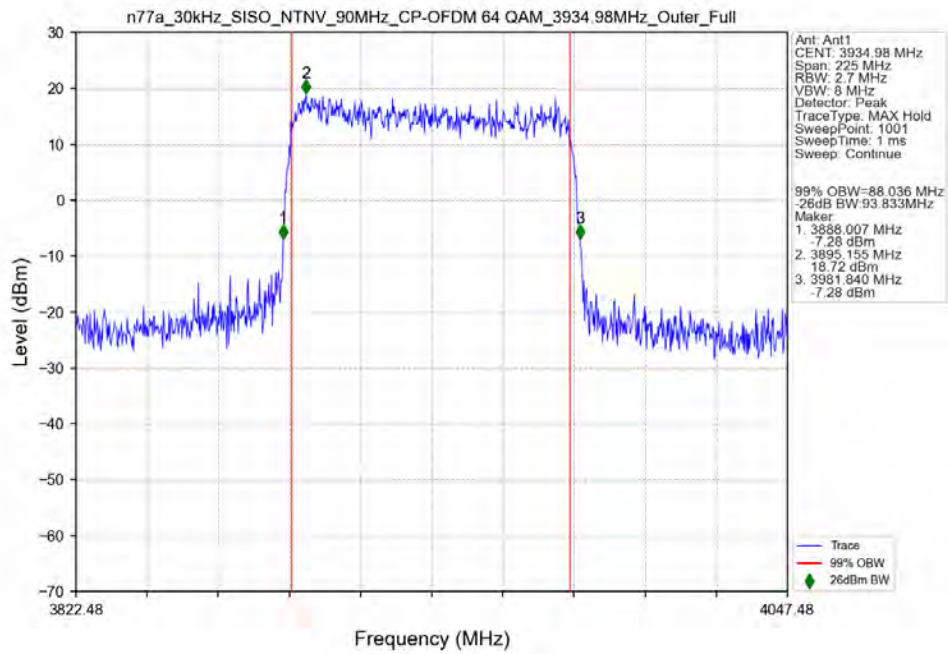




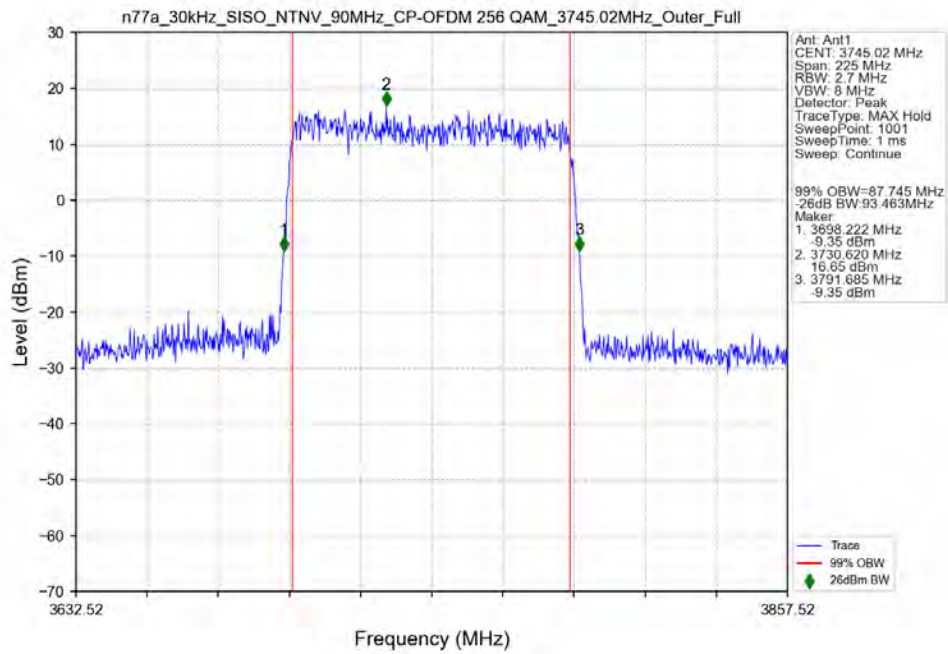
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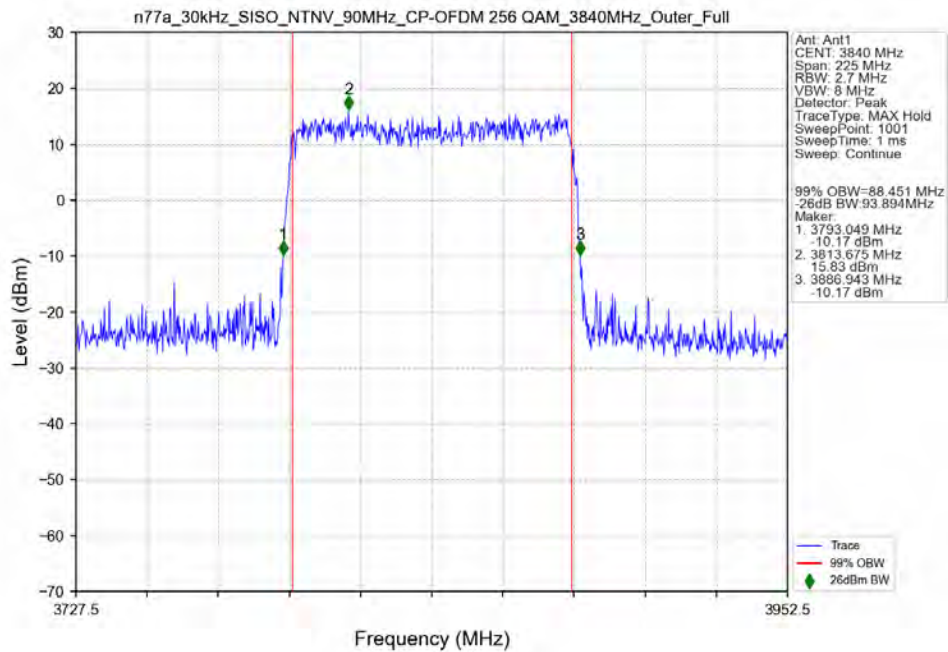
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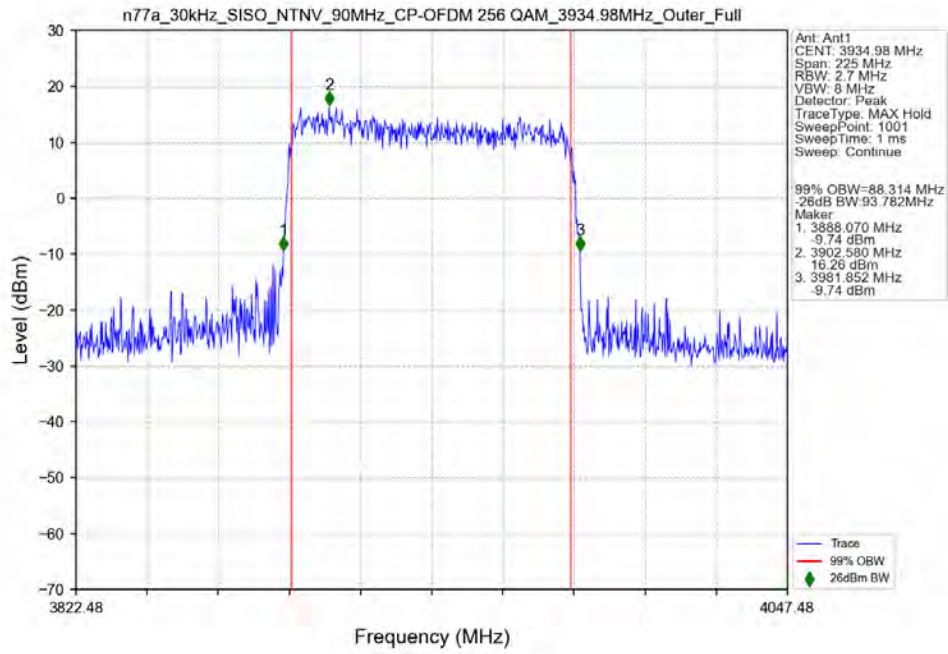
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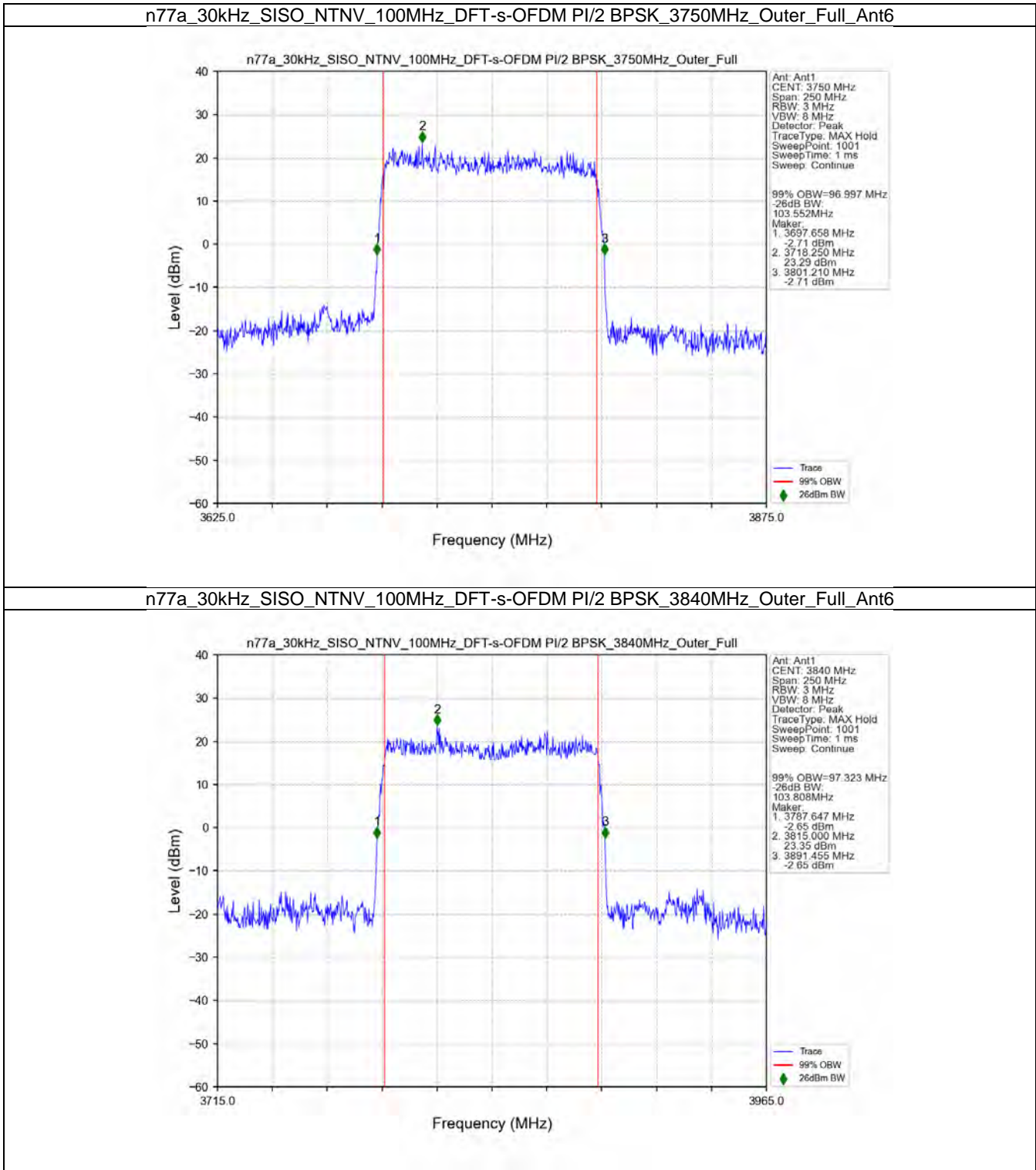
n77a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3840MHz\_Outer\_Full\_Ant6



n77a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3934.98MHz\_Outer\_Full\_Ant6

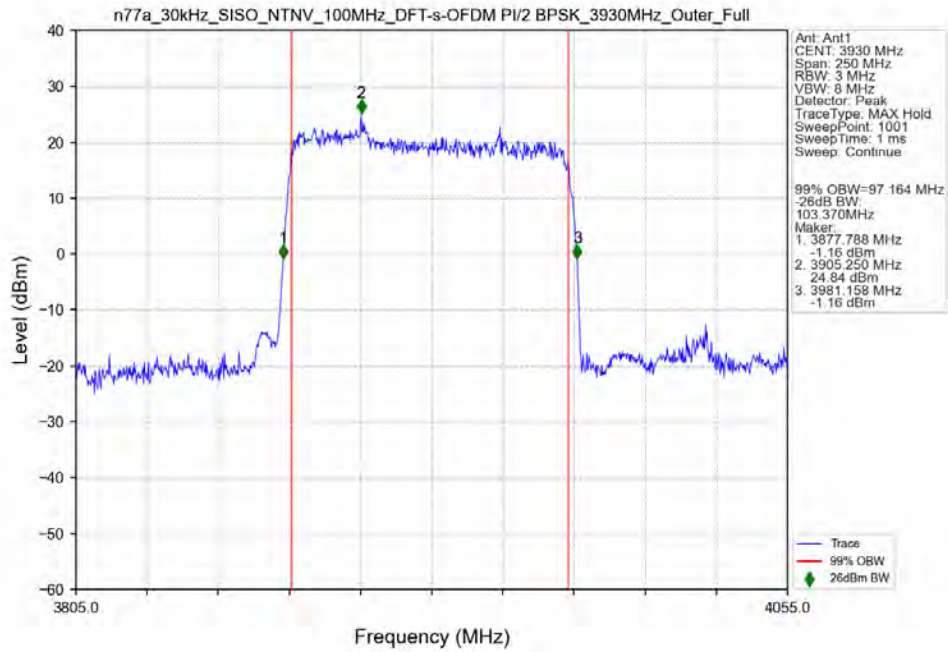


3.2.12 30k\_SISO\_100MHz\_NTNV

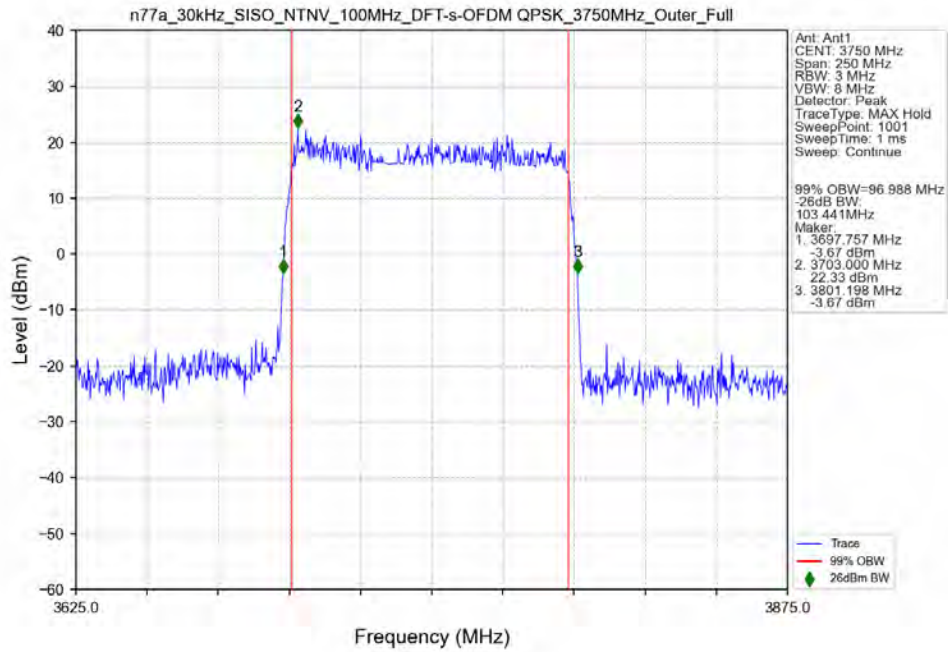




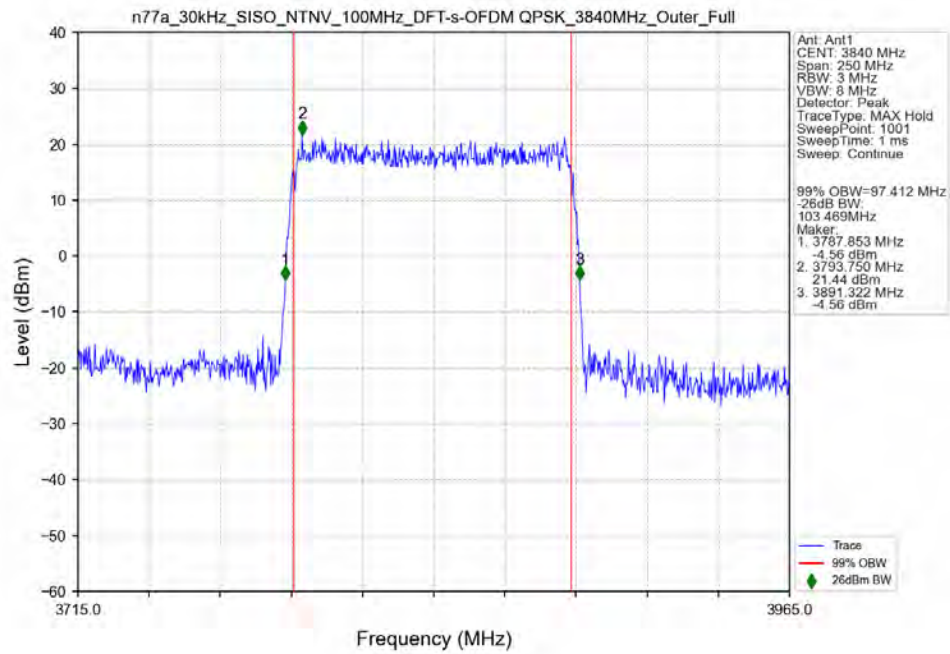
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM PI/2 BPSK\_3930MHz\_Outer\_Full\_Ant6



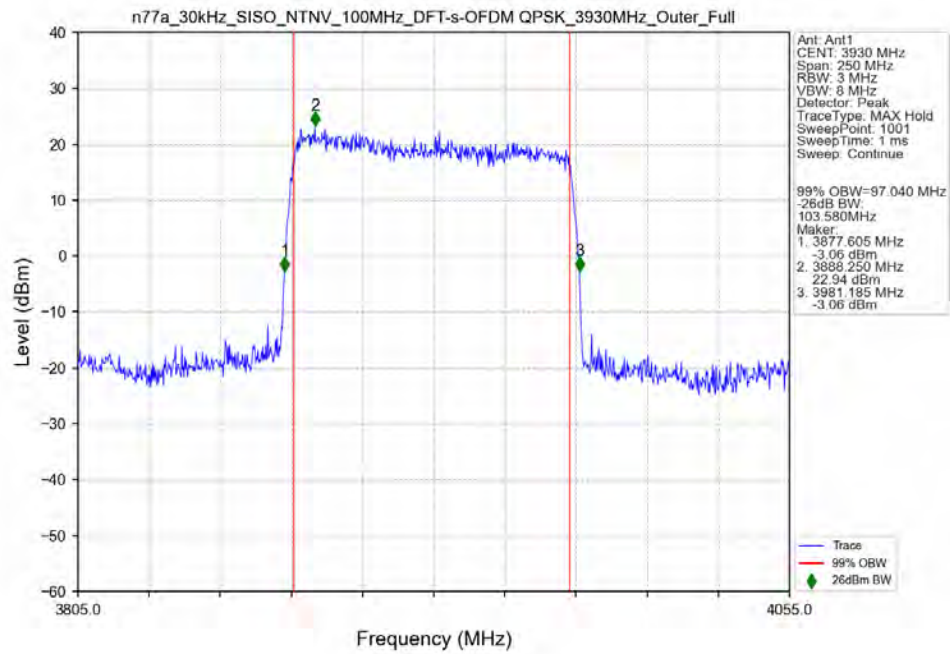
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3750MHz\_Outer\_Full\_Ant6



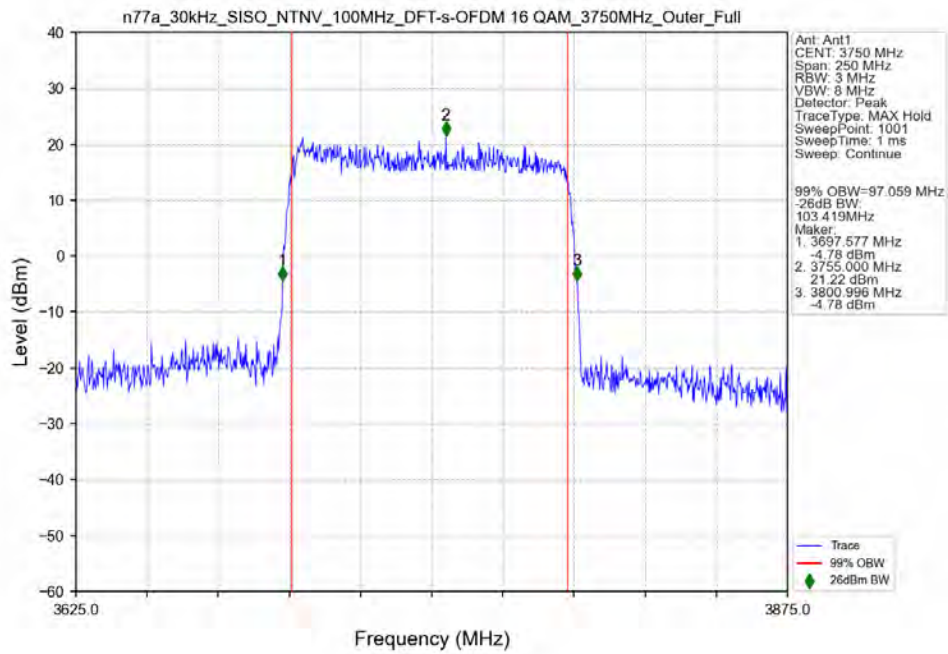
# n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant6



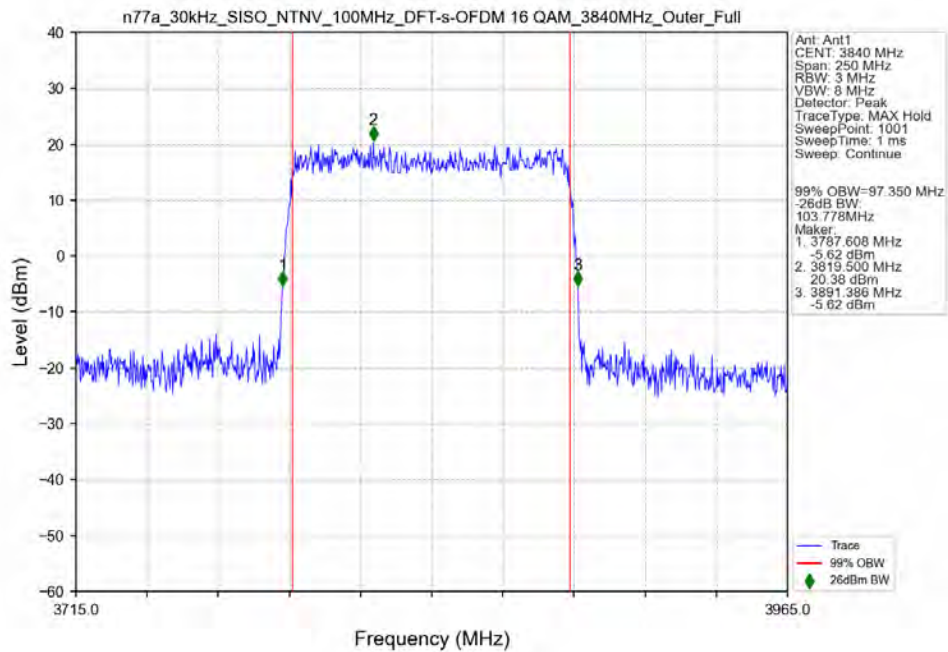
# n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3930MHz\_Outer\_Full\_Ant6



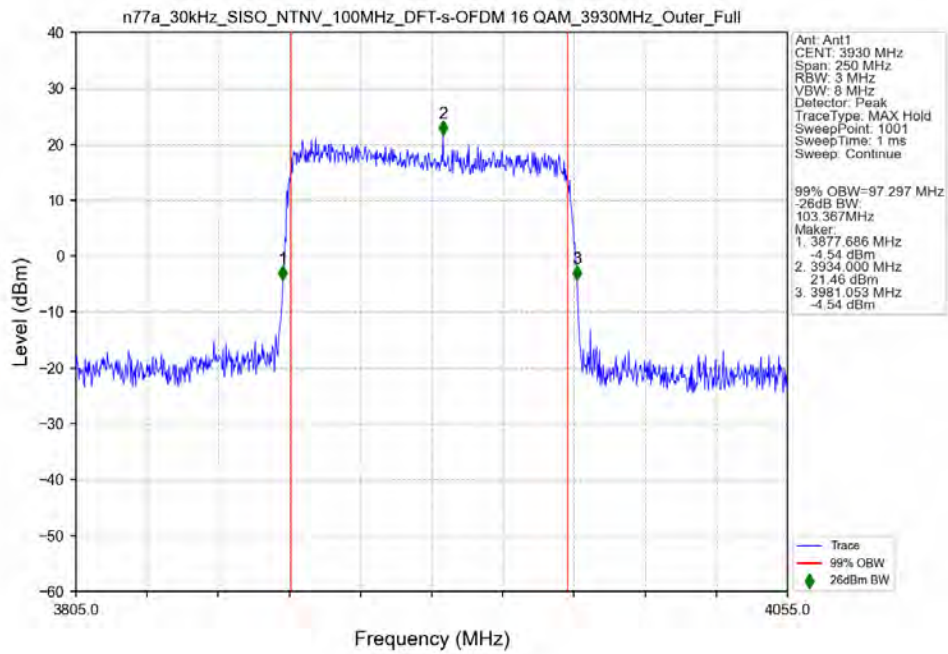
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 16 QAM\_3750MHz\_Outer\_Full\_Ant6



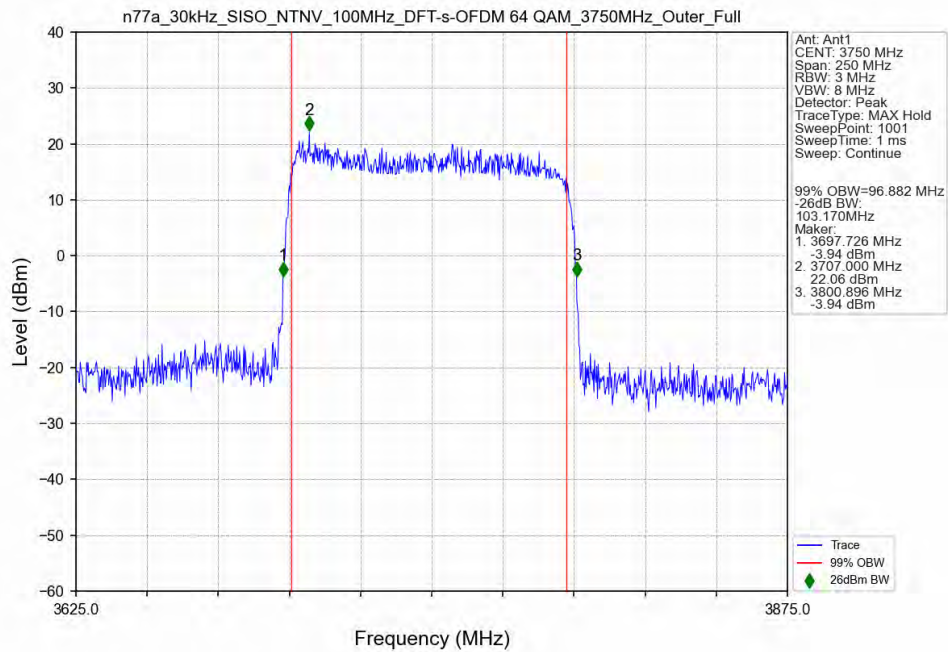
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant6



n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 16 QAM\_3930MHz\_Outer\_Full\_Ant6

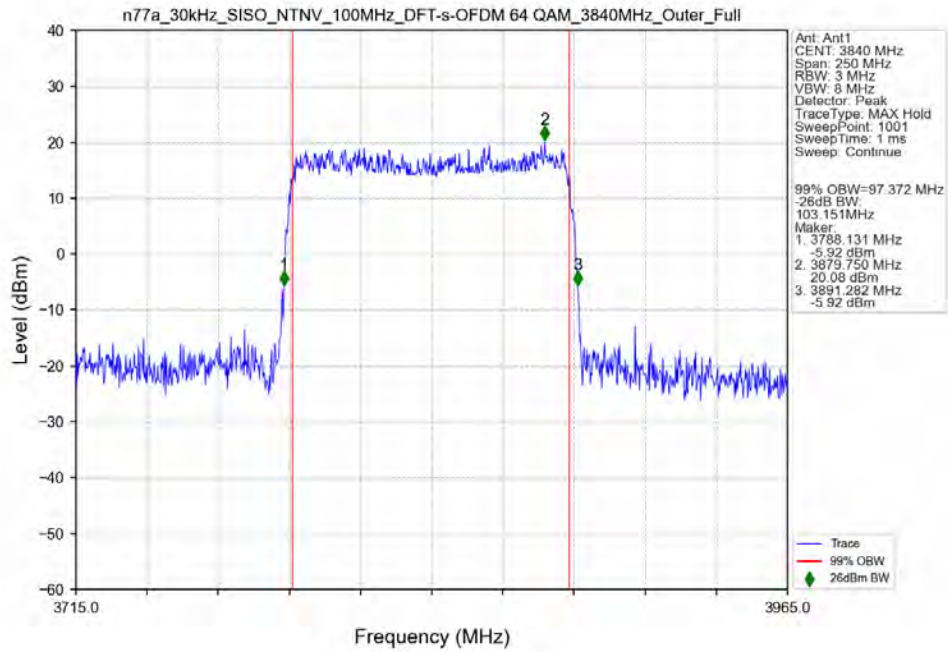


n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 64 QAM\_3750MHz\_Outer\_Full\_Ant6

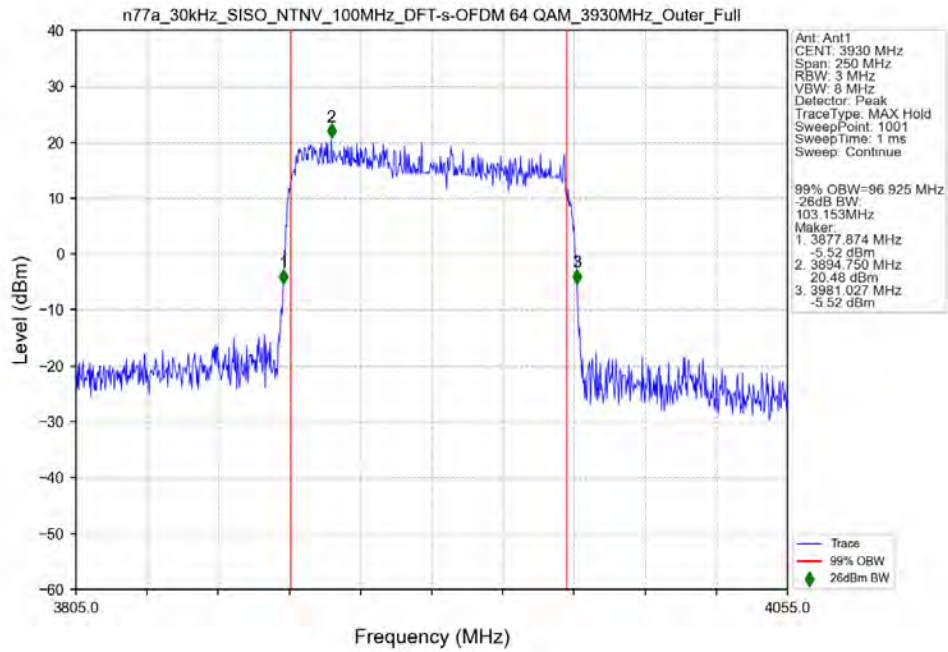




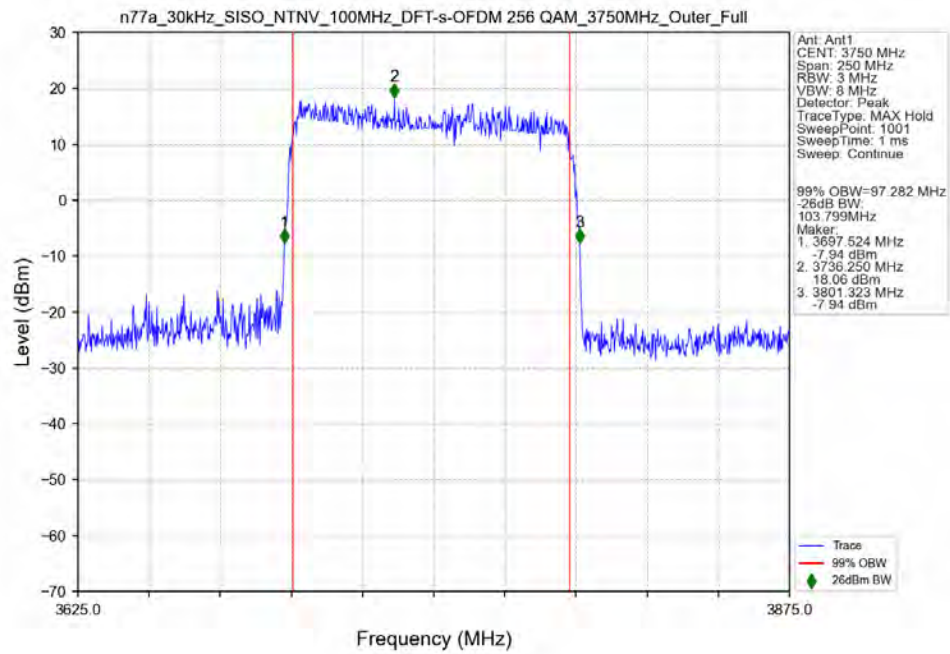
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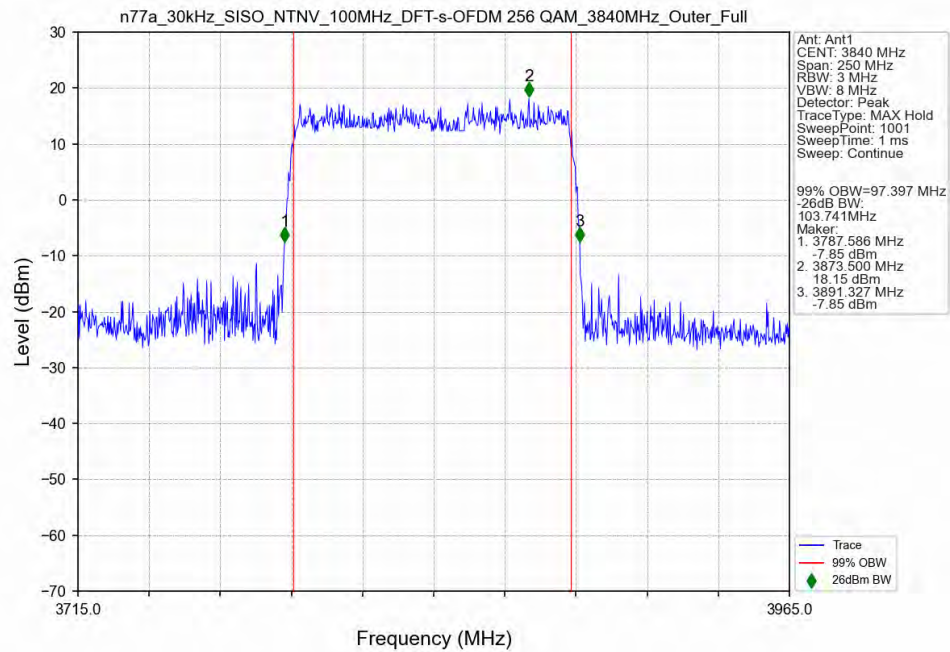
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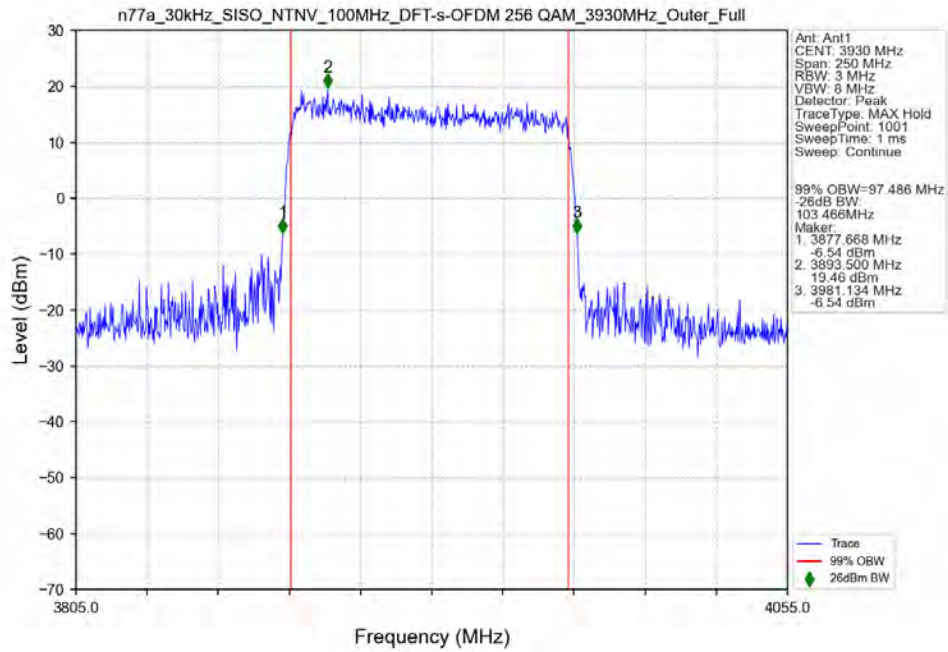
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM\_256\_QAM\_3750MHz\_Outer\_Full\_Ant6



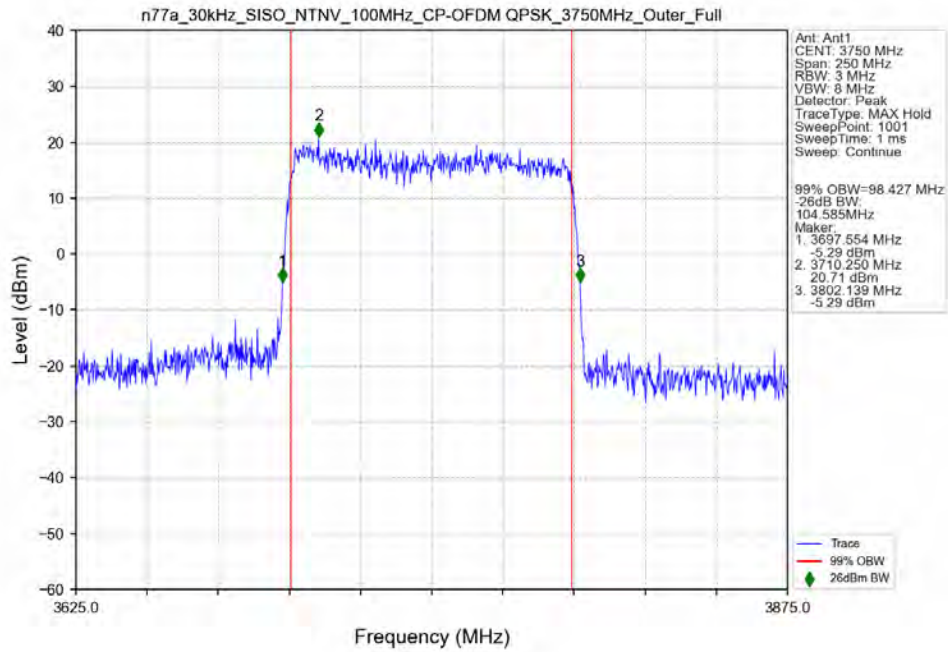
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant6



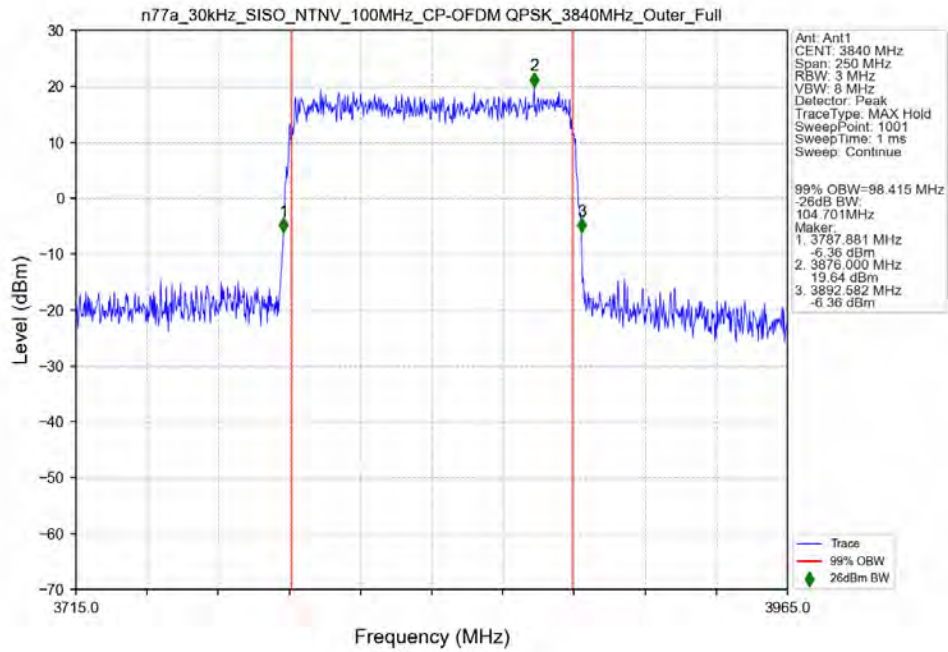
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 256 QAM\_3930MHz\_Outer\_Full\_Ant6



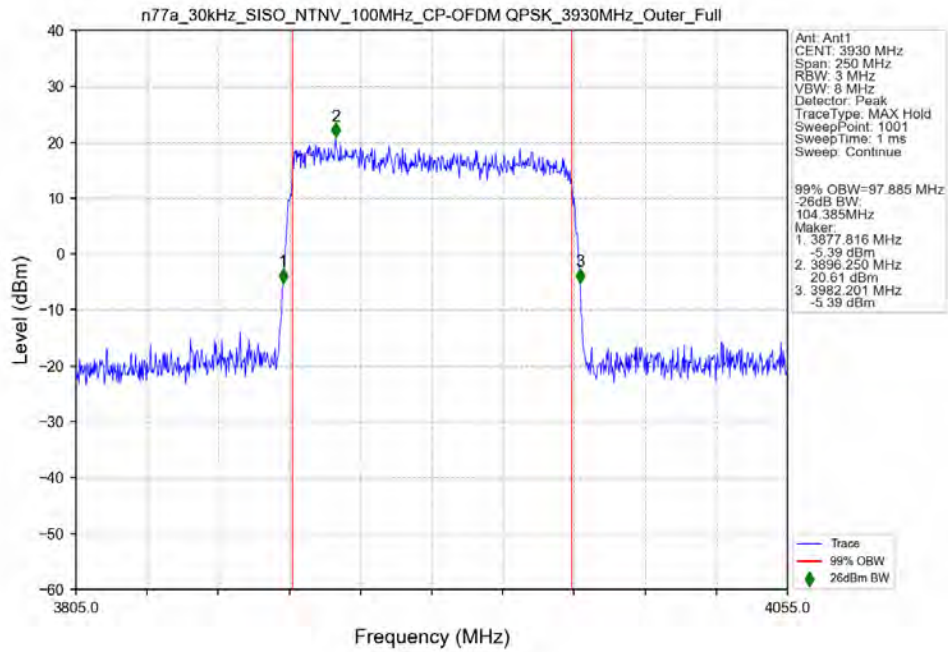
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM QPSK\_3750MHz\_Outer\_Full\_Ant6



n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant6

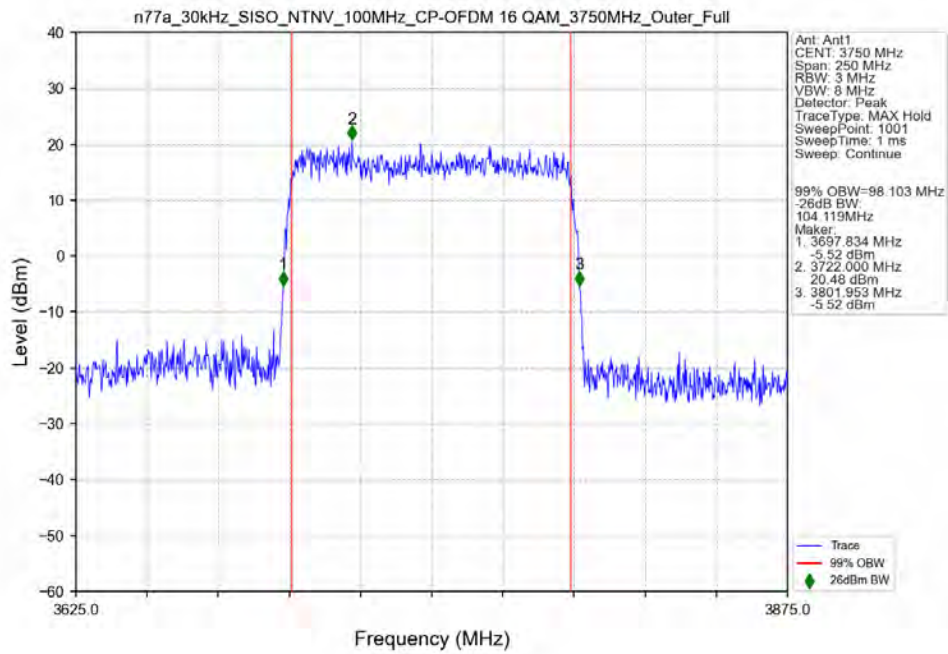


n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM QPSK\_3930MHz\_Outer\_Full\_Ant6

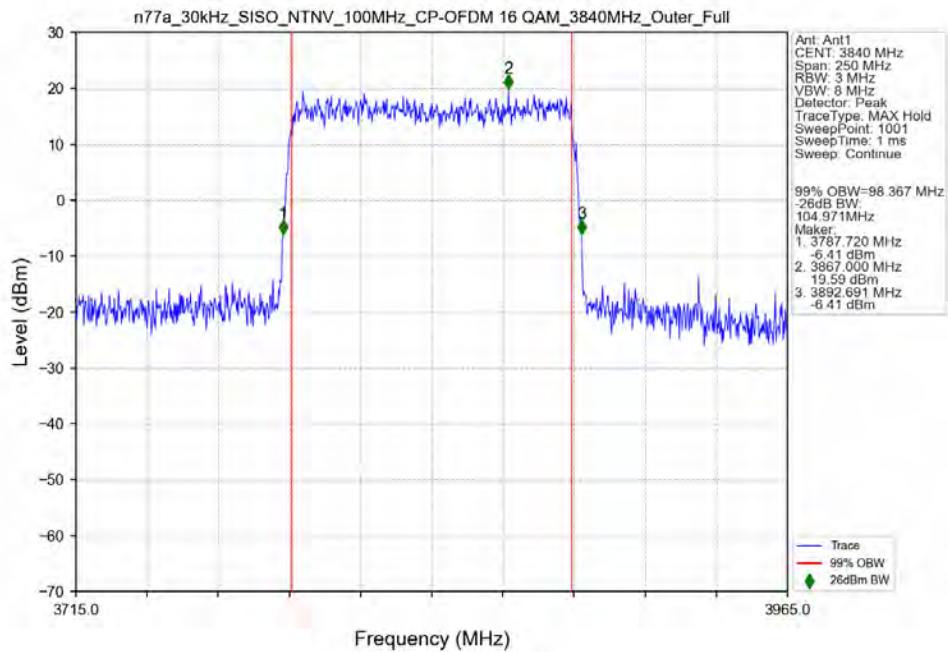




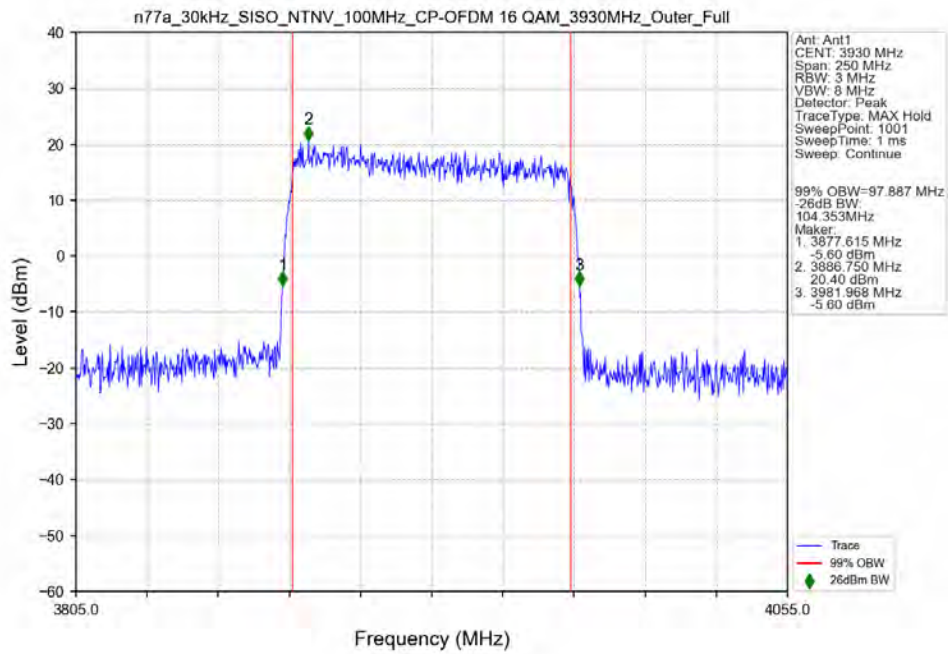
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3750MHz\_Outer\_Full\_Ant6



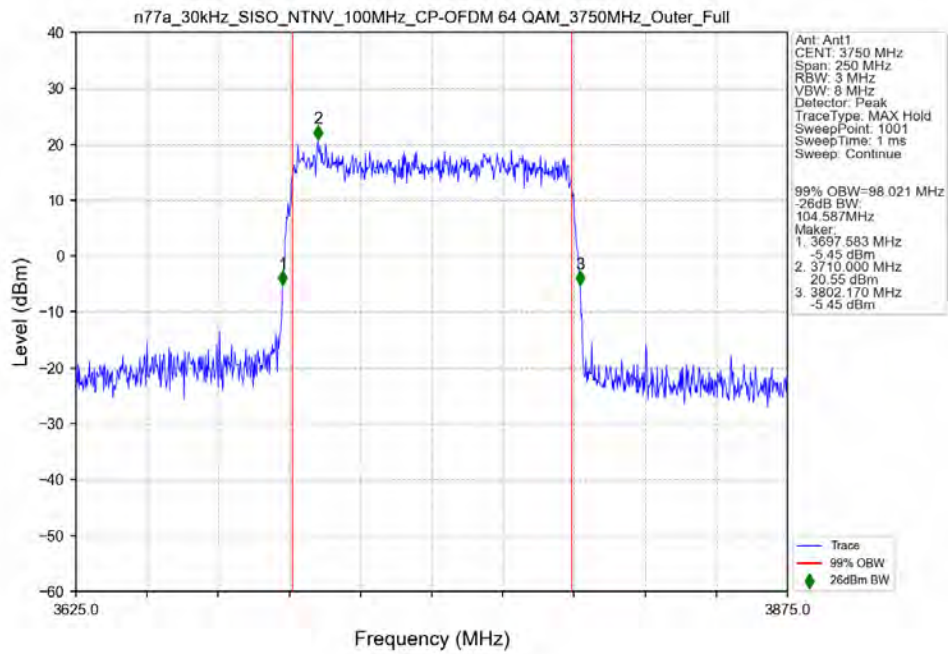
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant6



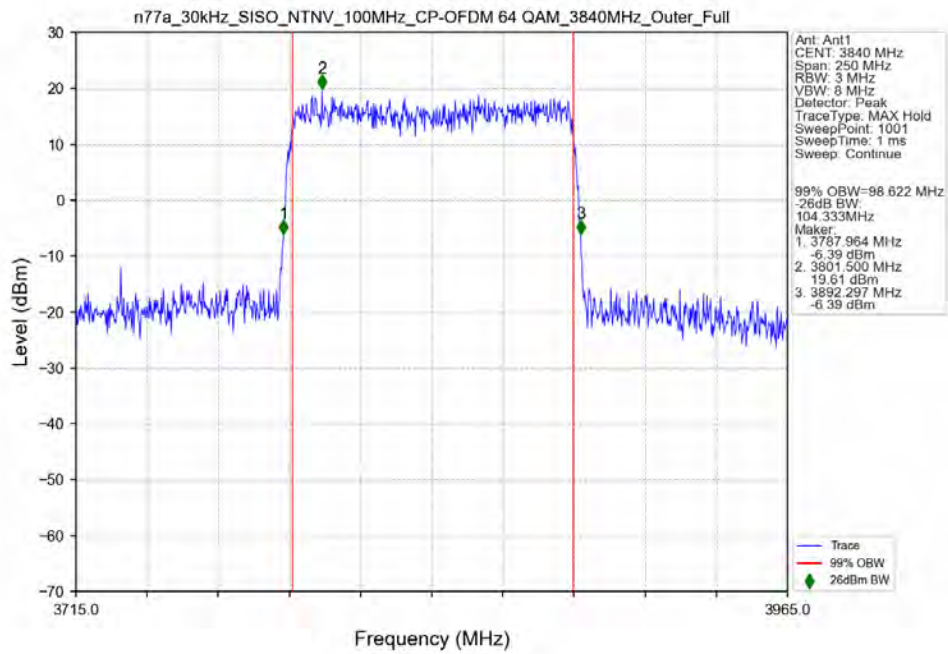
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3930MHz\_Outer\_Full\_Ant6



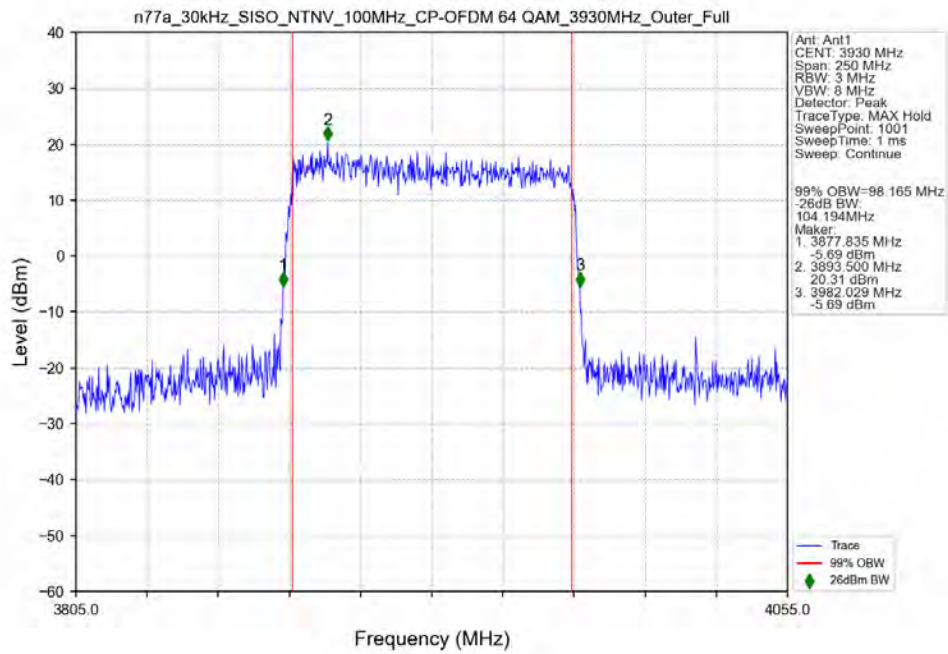
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 64 QAM\_3750MHz\_Outer\_Full\_Ant6



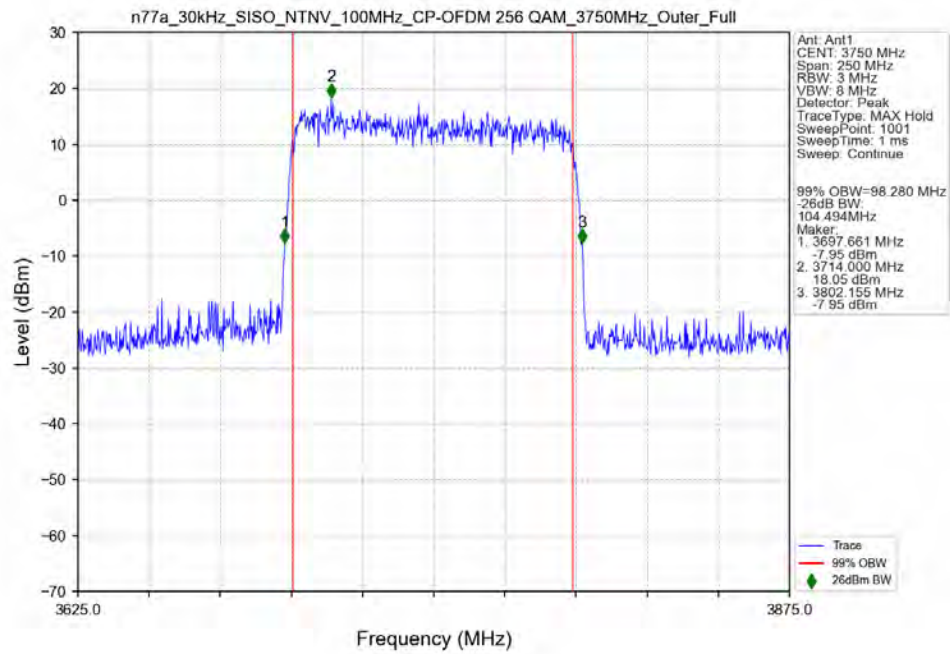
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant6



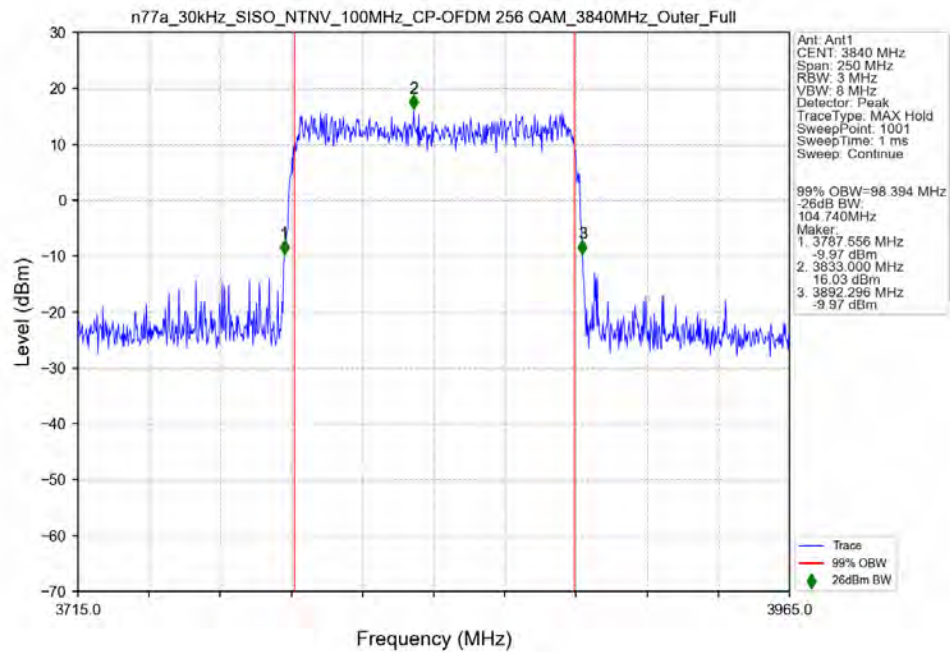
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 64 QAM\_3930MHz\_Outer\_Full\_Ant6



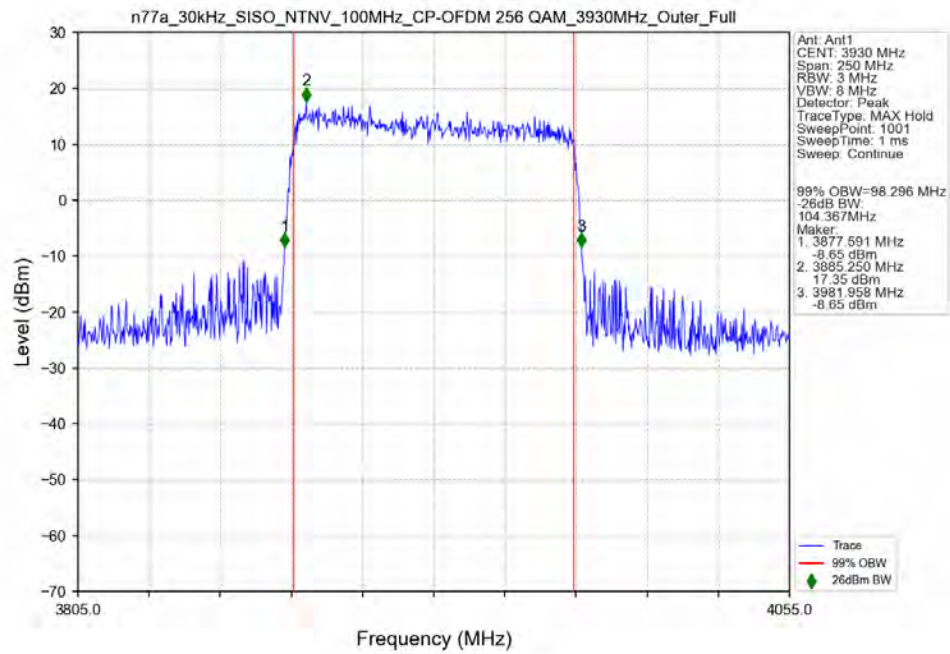
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3750MHz\_Outer\_Full\_Ant6



n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3840MHz\_Outer\_Full\_Ant6



n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3930MHz\_Outer\_Full\_Ant6





## 4. Peak-Average Ratio

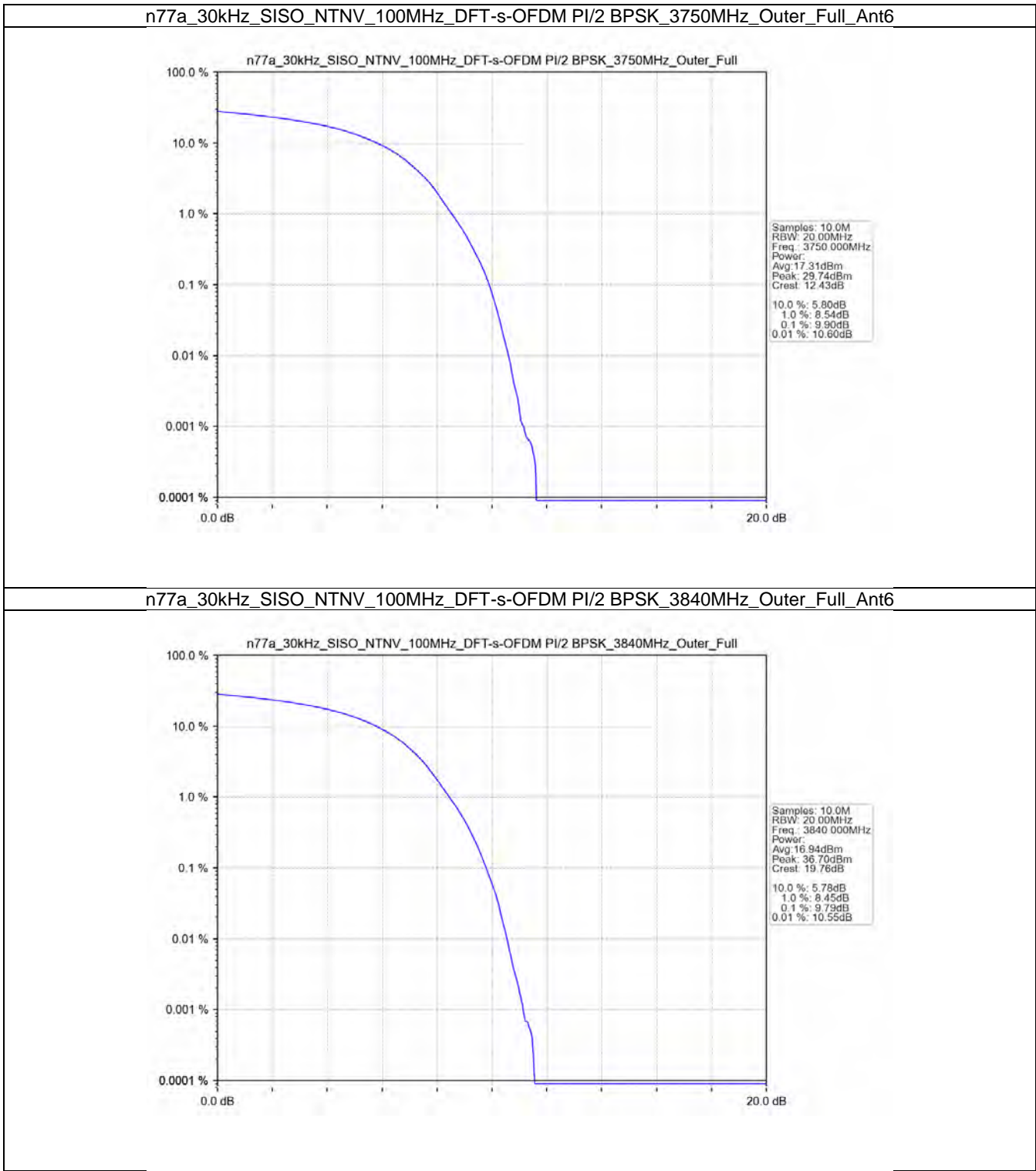
### 4.1 Test Result

#### 4.1.1 30k\_SISO\_100MHz\_NTNV

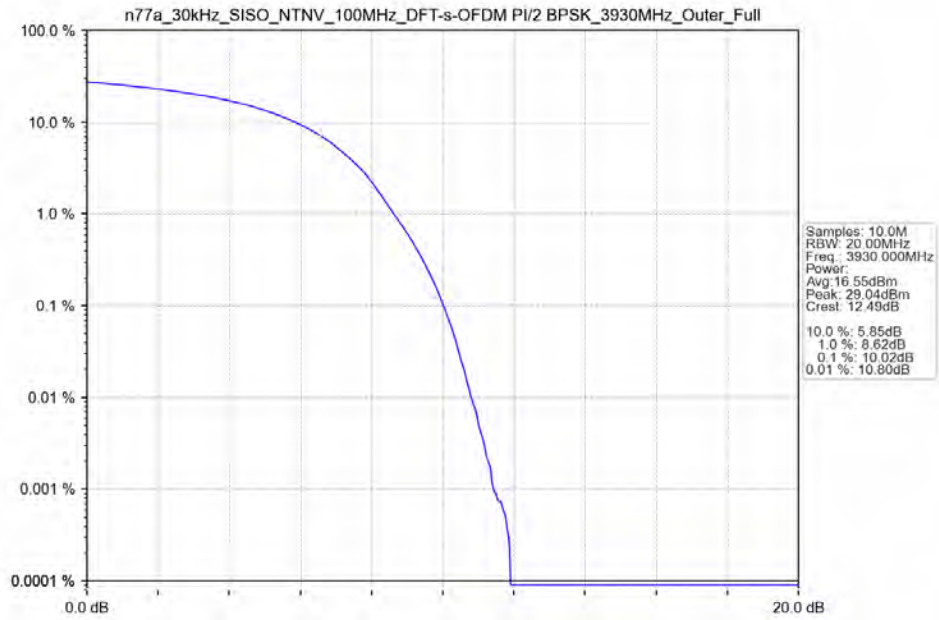
5G NR n77a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant6	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	9.90	/	/	<=13	Pass
	3840	Outer_Full	9.79	/	/	<=13	Pass
	3930	Outer_Full	10.02	/	/	<=13	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	10.91	/	/	<=13	Pass
	3840	Outer_Full	10.94	/	/	<=13	Pass
	3930	Outer_Full	10.99	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	11.56	/	/	<=13	Pass
	3840	Outer_Full	11.05	/	/	<=13	Pass
	3930	Outer_Full	11.15	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	11.20	/	/	<=13	Pass
	3840	Outer_Full	10.75	/	/	<=13	Pass
	3930	Outer_Full	10.86	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	10.98	/	/	<=13	Pass
	3840	Outer_Full	11.07	/	/	<=13	Pass
	3930	Outer_Full	11.19	/	/	<=13	Pass
CP-OFDM QPSK	3750	Outer_Full	11.48	/	/	<=13	Pass
	3840	Outer_Full	11.55	/	/	<=13	Pass
	3930	Outer_Full	11.34	/	/	<=13	Pass
CP-OFDM 16 QAM	3750	Outer_Full	11.63	/	/	<=13	Pass
	3840	Outer_Full	11.41	/	/	<=13	Pass
	3930	Outer_Full	11.94	/	/	<=13	Pass
CP-OFDM 64 QAM	3750	Outer_Full	12.09	/	/	<=13	Pass
	3840	Outer_Full	11.53	/	/	<=13	Pass
	3930	Outer_Full	11.64	/	/	<=13	Pass
CP-OFDM 256 QAM	3750	Outer_Full	11.99	/	/	<=13	Pass
	3840	Outer_Full	11.71	/	/	<=13	Pass
	3930	Outer_Full	11.65	/	/	<=13	Pass

4.2 Test Graph

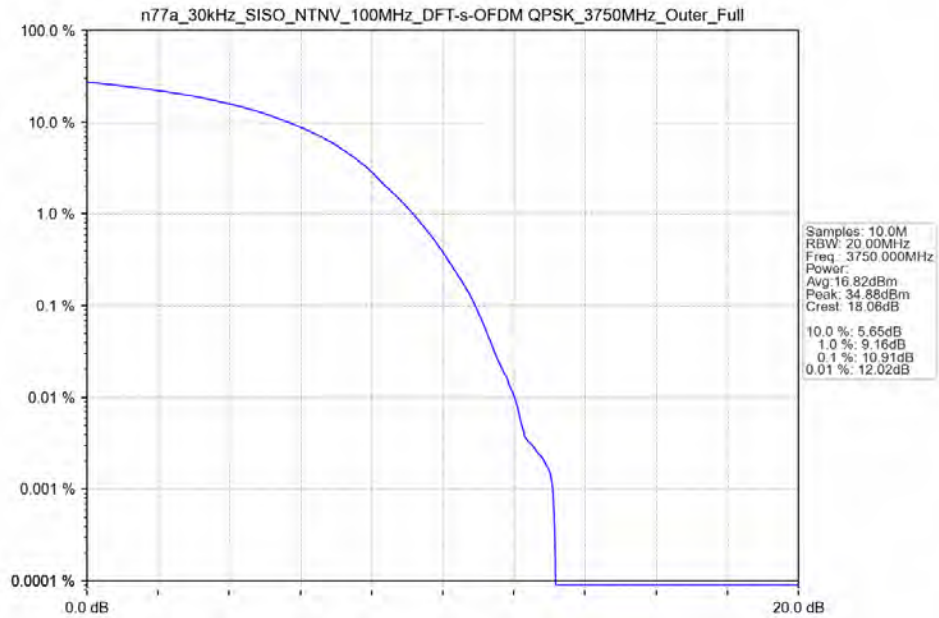
4.2.1 30k\_SISO\_100MHz\_NTNV



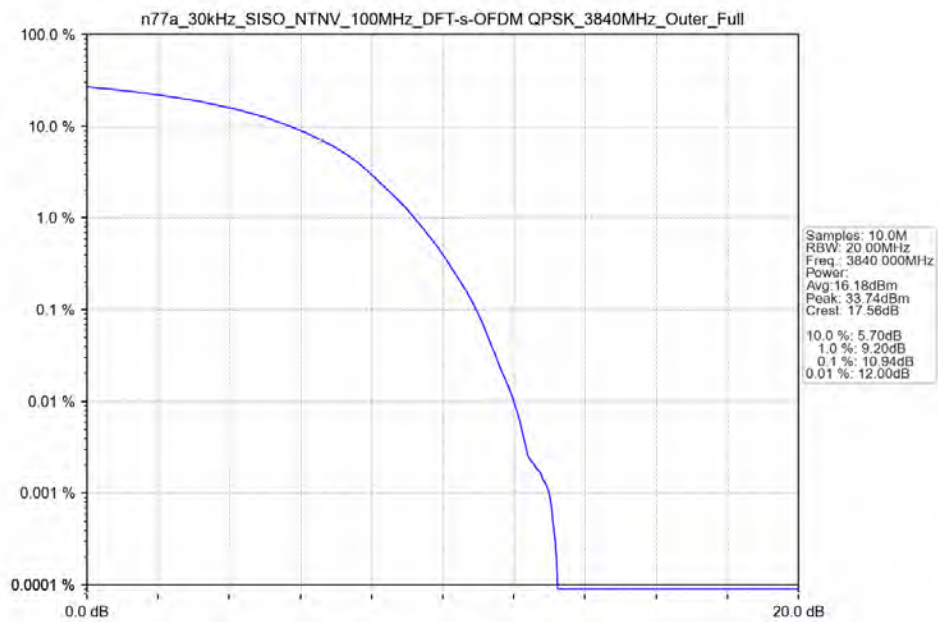
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM PI/2 BPSK\_3930MHz\_Outer\_Full\_Ant6



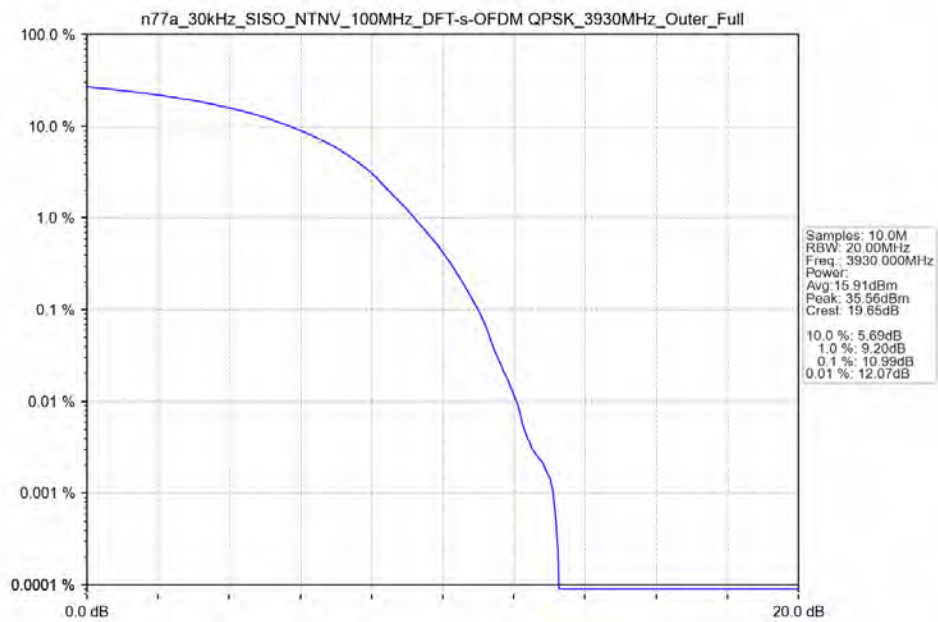
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3750MHz\_Outer\_Full\_Ant6



n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM\_QPSK\_3840MHz\_Outer\_Full\_Ant6

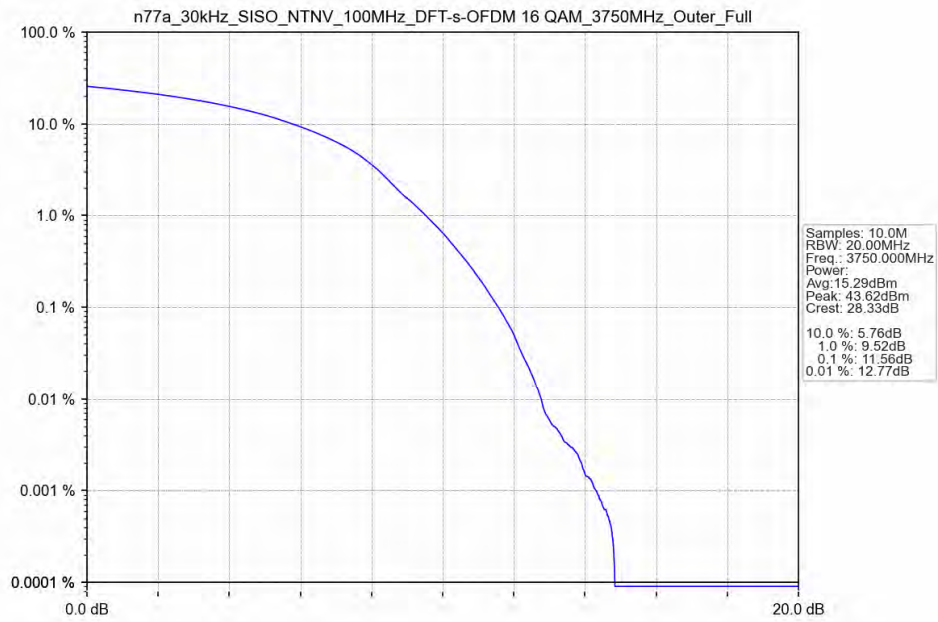


n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM\_QPSK\_3930MHz\_Outer\_Full\_Ant6

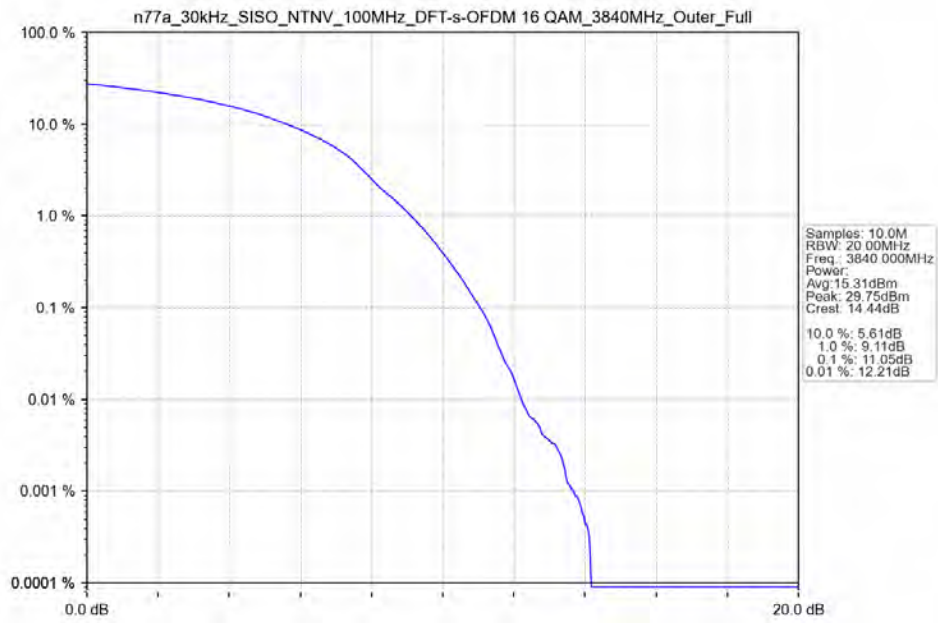




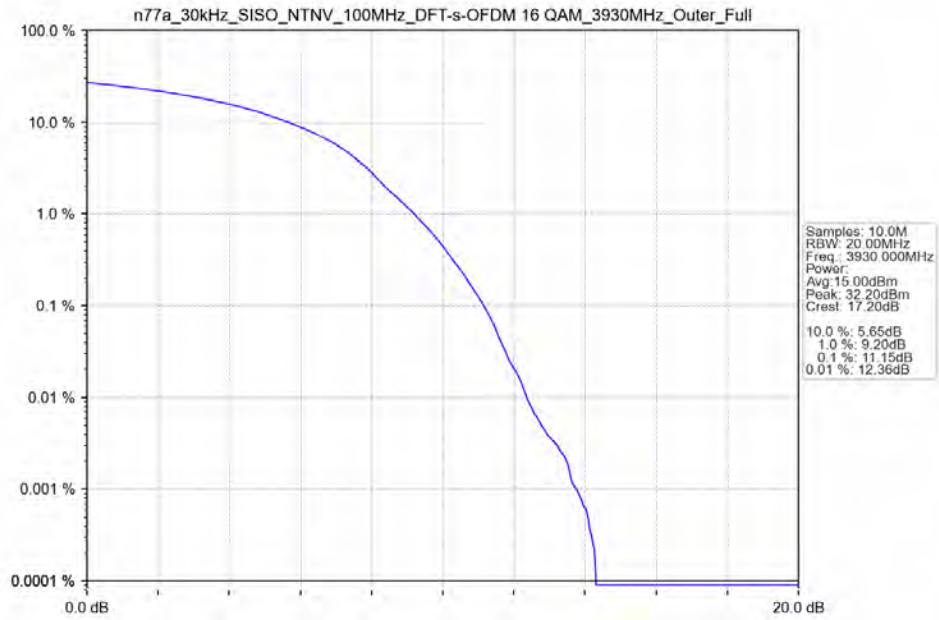
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM\_16\_QAM\_3750MHz\_Outer\_Full\_Ant6



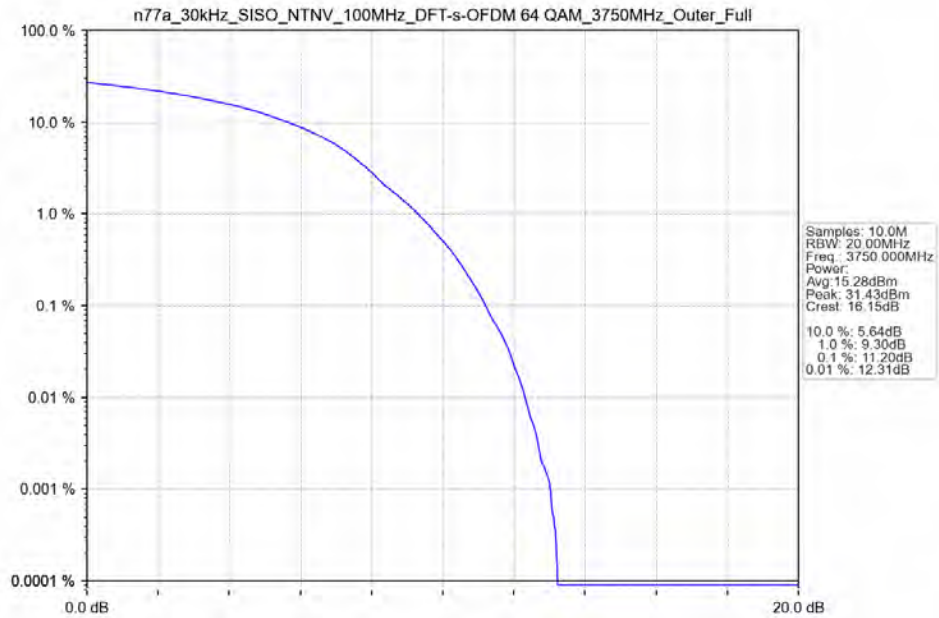
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM\_16\_QAM\_3840MHz\_Outer\_Full\_Ant6



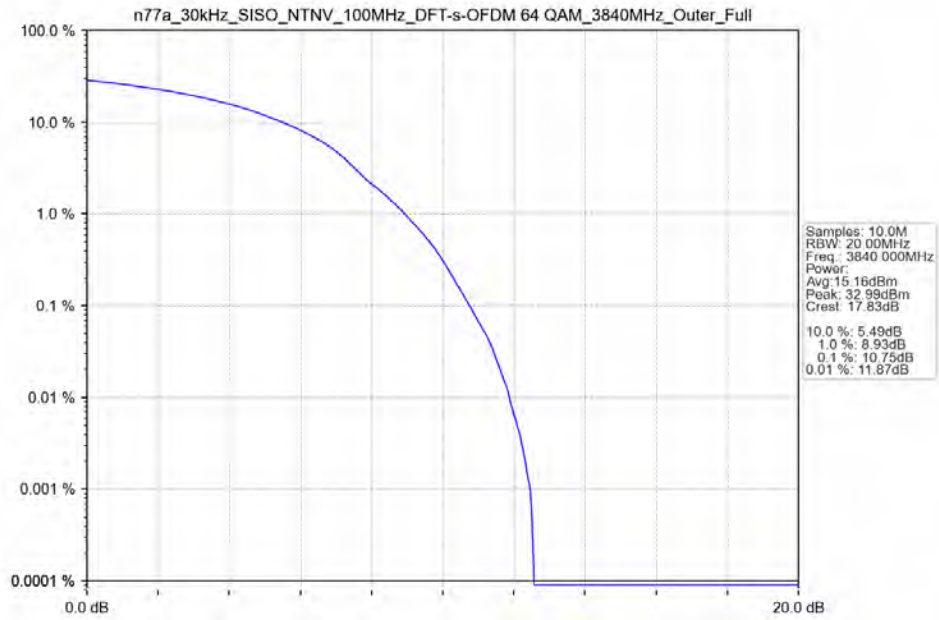
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 16 QAM\_3930MHz\_Outer\_Full\_Ant6



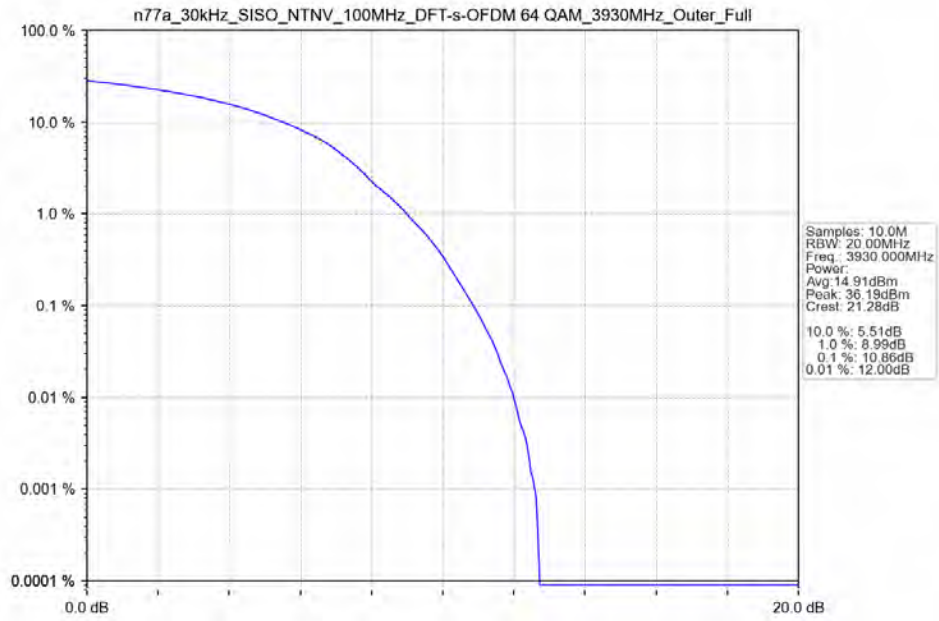
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 64 QAM\_3750MHz\_Outer\_Full\_Ant6



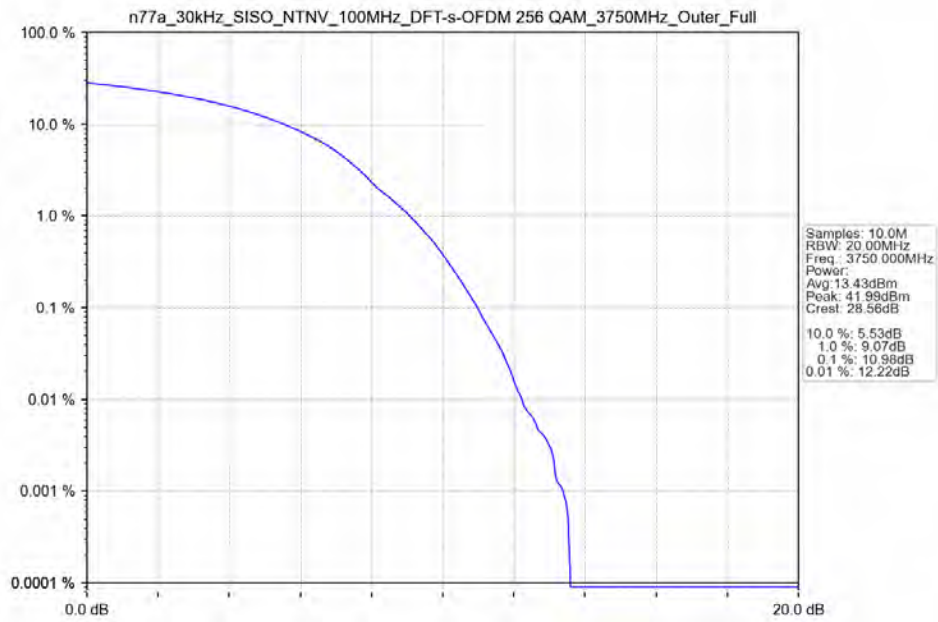
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant6



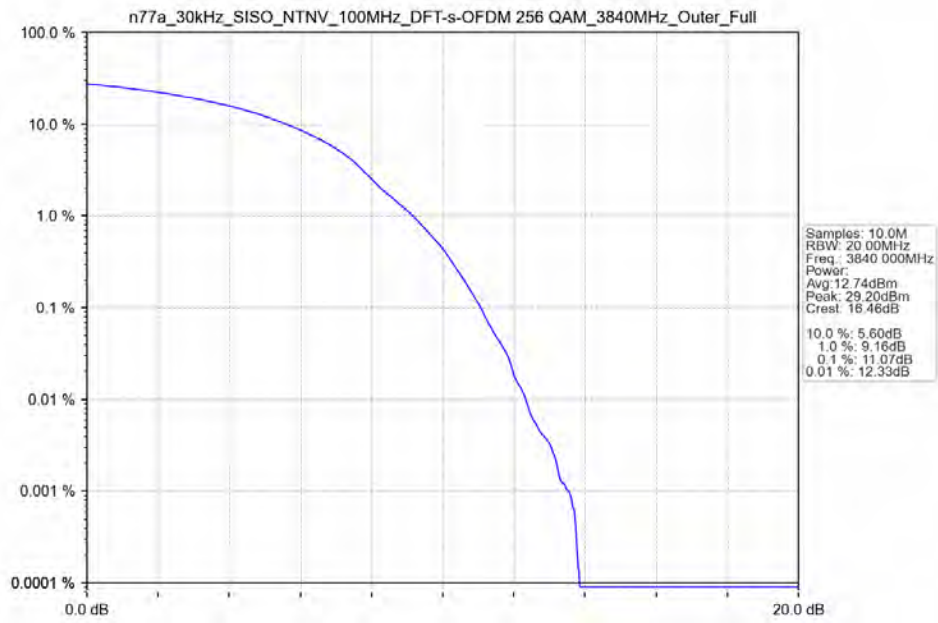
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 64 QAM\_3930MHz\_Outer\_Full\_Ant6



n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM\_256\_QAM\_3750MHz\_Outer\_Full\_Ant6

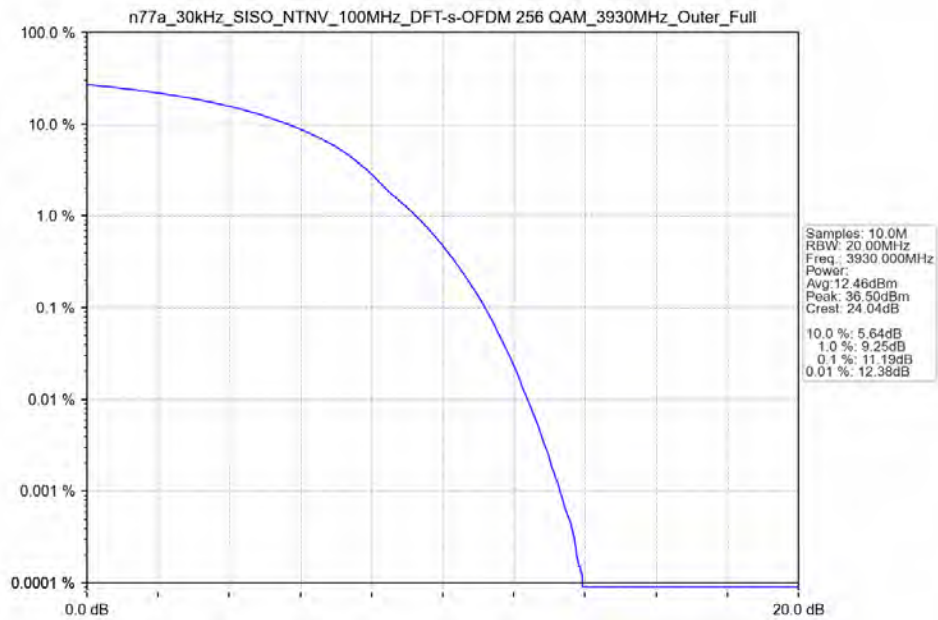


n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant6

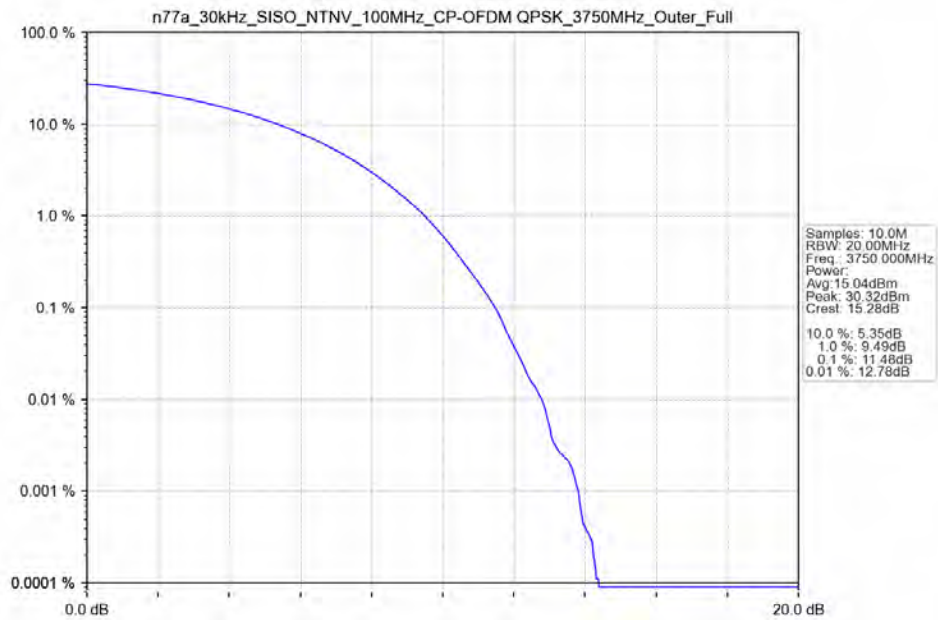




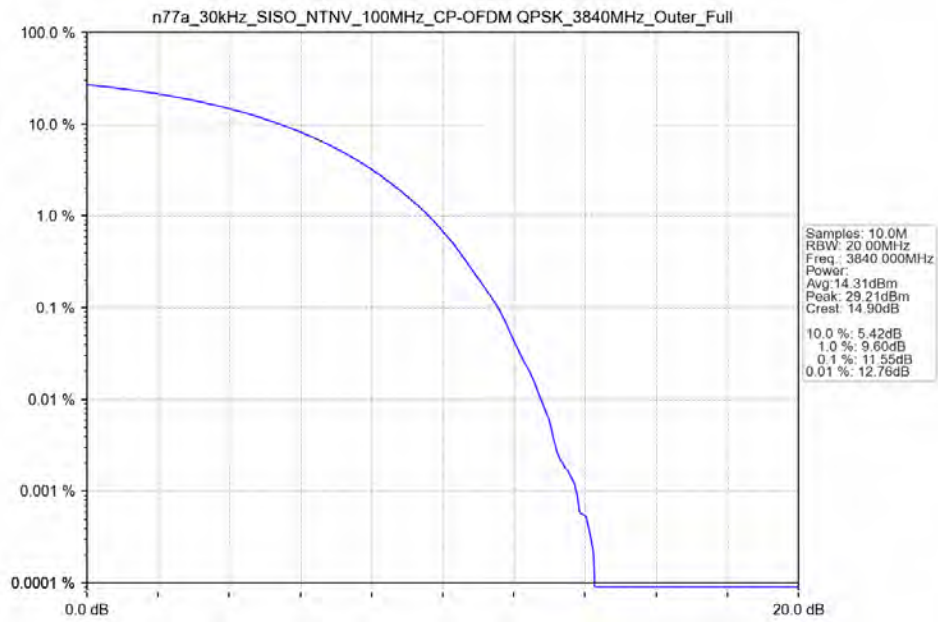
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 256 QAM\_3930MHz\_Outer\_Full\_Ant6



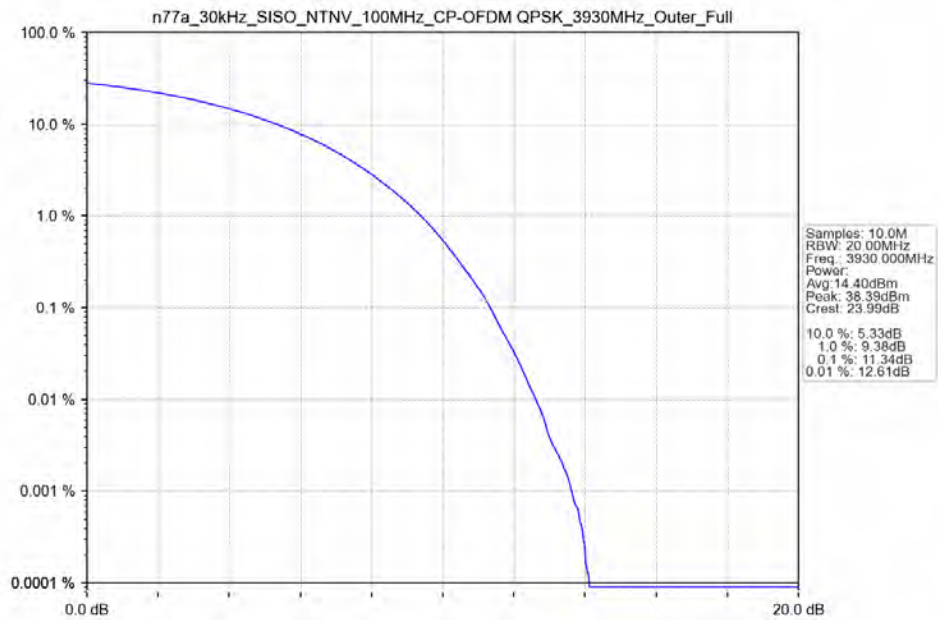
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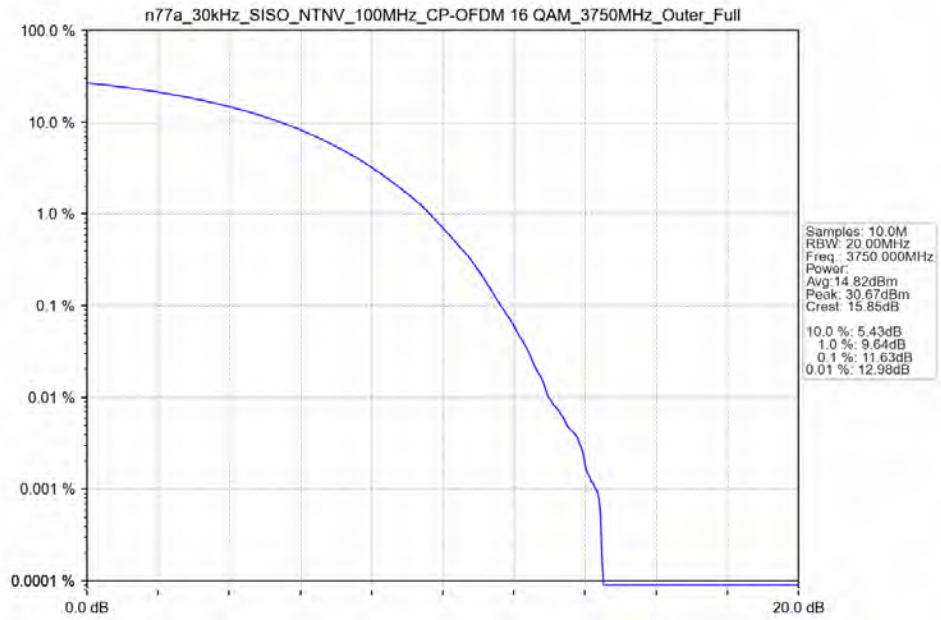
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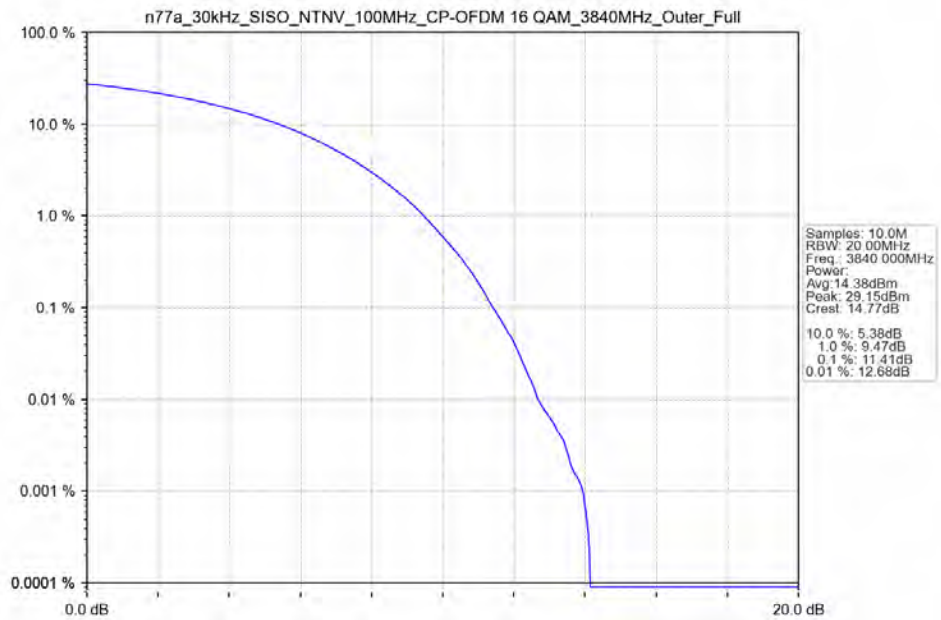
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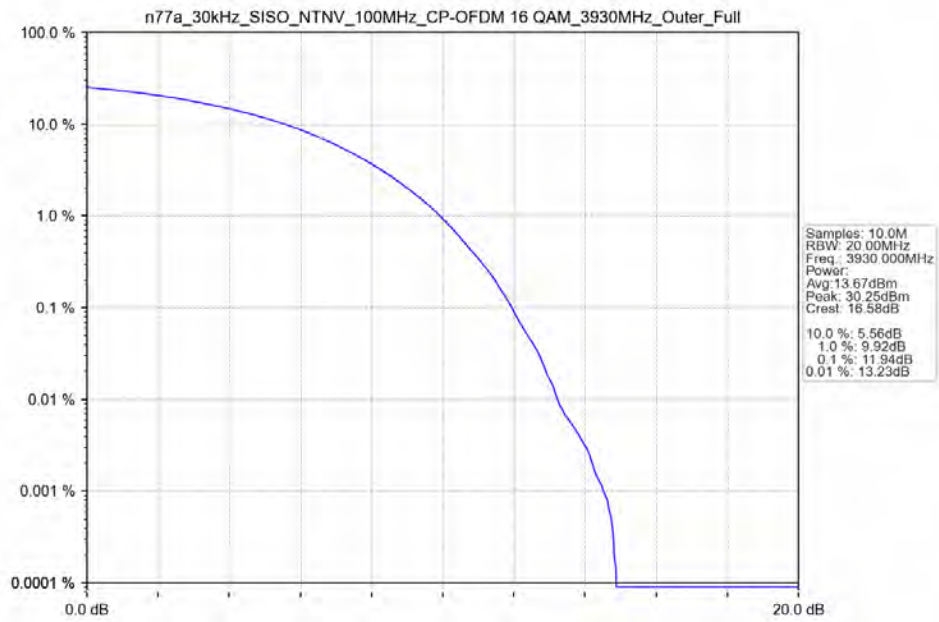
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3750MHz\_Outer\_Full\_Ant6



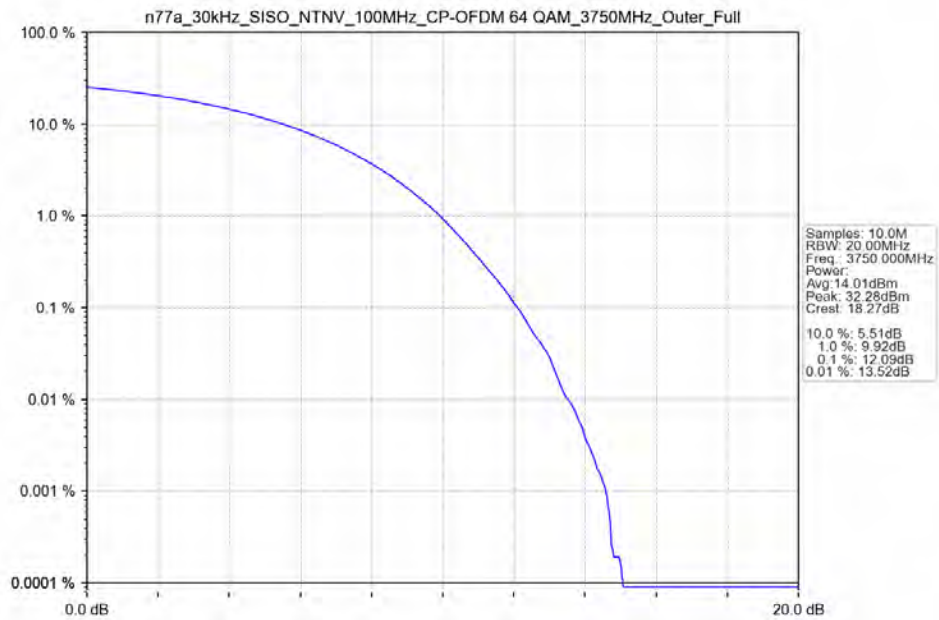
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant6



n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3930MHz\_Outer\_Full\_Ant6

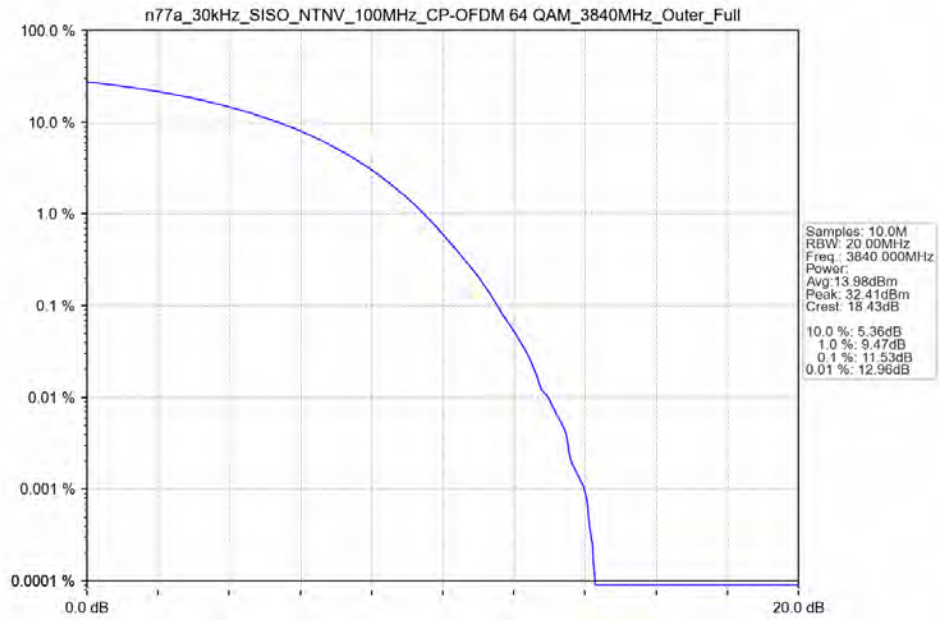


n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 64 QAM\_3750MHz\_Outer\_Full\_Ant6

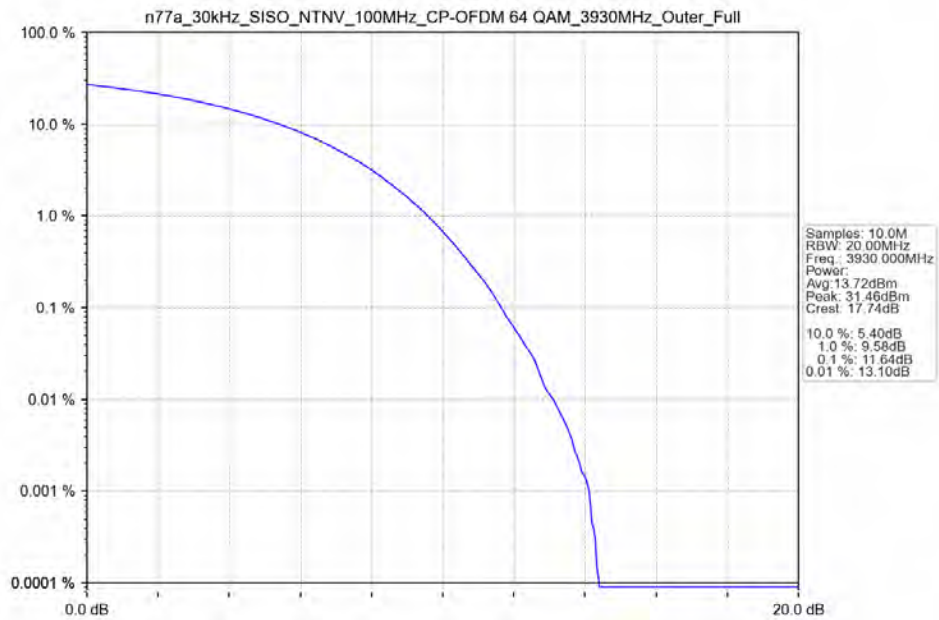




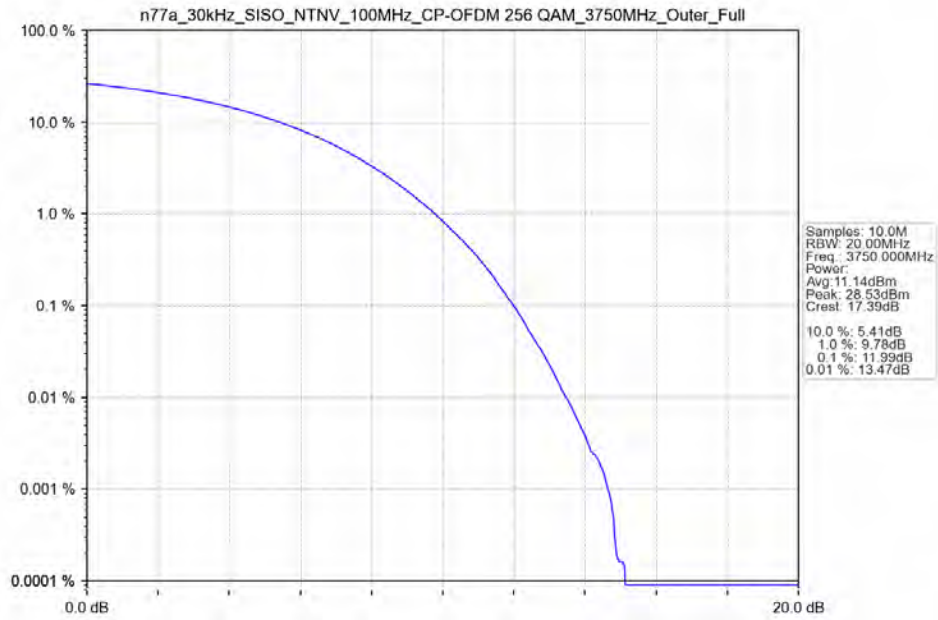
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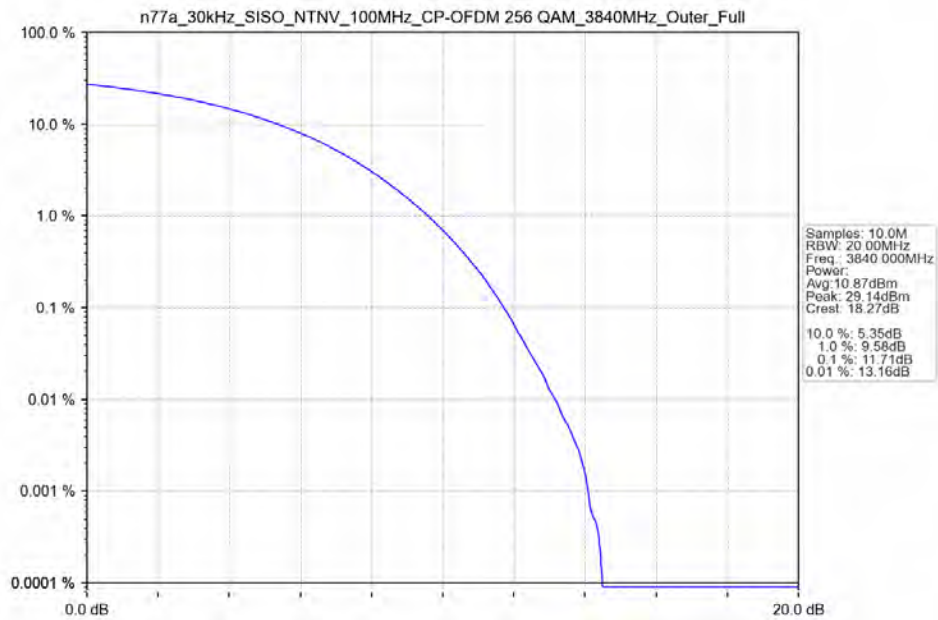
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 64 QAM\_3930MHz\_Outer\_Full\_Ant6



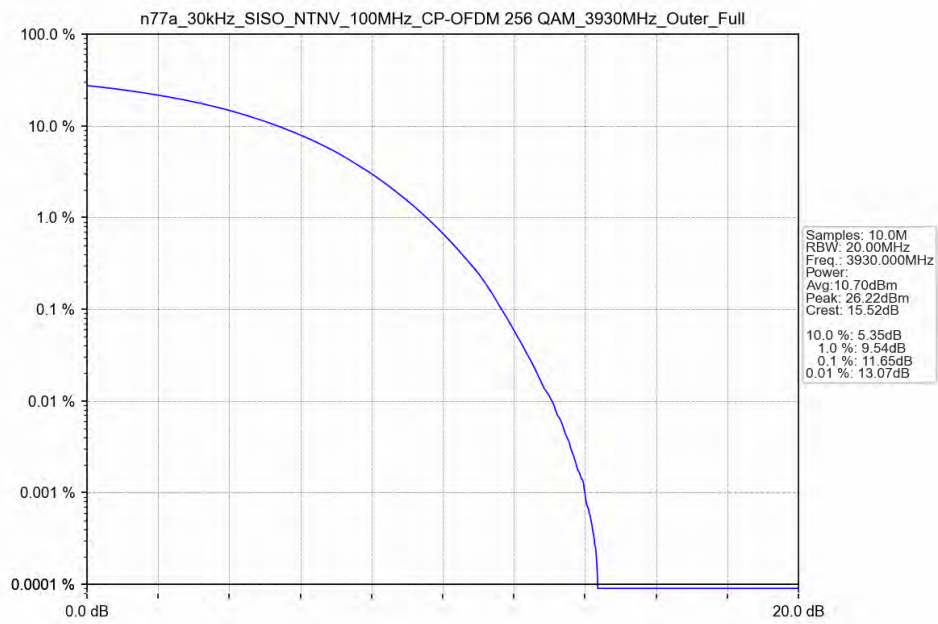
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3750MHz\_Outer\_Full\_Ant6



n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3840MHz\_Outer\_Full\_Ant6



n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3930MHz\_Outer\_Full\_Ant6



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 30k\_SISO\_10MHz\_NTNV

5G NR n77a SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant6	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3705	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3975	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3705	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3975	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3705	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3975	Inner_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 30k\_SISO\_15MHz\_NTNV

5G NR n77a SCS=30kHz SISO 15MHz NTNv								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant6	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3707.52	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3972.48	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	3707.52	Edge_1RB_Left	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Left			Refer To Test Graph				Pass	
3840		Edge_1RB_Left	Refer To Test Graph				Pass	
		3972.48	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	3707.52	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	

	3972.48	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass

### 5.1.3 30k\_SISO\_20MHz\_NTNV

5G NR n77a SCS=30kHz SISO 20MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant6	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3710.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3969.99	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3710.01		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3840	Inner_1RB_Left	Refer To Test Graph				Pass	
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Edge_1RB_Right	Refer To Test Graph				Pass	
	3969.99	Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Right	Refer To Test Graph				Pass	
		CP-OFDM QPSK	3710.01	Edge_1RB_Left	Refer To Test Graph			
Outer_Full	Refer To Test Graph				Pass			
Inner_1RB_Left	Refer To Test Graph				Pass			
3840	Edge_1RB_Left		Refer To Test Graph				Pass	
	3969.99		Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
3969.99		Inner_1RB_Right	Refer To Test Graph				Pass	

### 5.1.4 30k\_SISO\_25MHz\_NTNV

5G NR n77a SCS=30kHz SISO 25MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant6	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3712.5	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3967.5	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3712.5		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3840	Inner_1RB_Left	Refer To Test Graph				Pass	
		3967.5	Edge_1RB_Left	Refer To Test Graph				Pass
			Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3712.5		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass	
		Edge_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Right	Refer To Test Graph				Pass	
		3967.5	Outer_Full	Refer To Test Graph				Pass
			Inner_1RB_Left	Refer To Test Graph				Pass



		Inner_1RB_Right	Refer To Test Graph	Pass
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### 5.1.5 30k\_SISO\_30MHz\_NTNV

5G NR n77a SCS=30kHz SISO 30MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant6	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3715.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3964.98	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	3715.02	Edge_1RB_Left	Refer To Test Graph			
Outer_Full	Refer To Test Graph				Pass			
Inner_1RB_Left	Refer To Test Graph				Pass			
3840	Edge_1RB_Left		Refer To Test Graph				Pass	
	3964.98		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		3715.02	Edge_1RB_Left	Refer To Test Graph			
Outer_Full		Refer To Test Graph				Pass		
Inner_1RB_Left		Refer To Test Graph				Pass		
3840		Edge_1RB_Left	Refer To Test Graph				Pass	
		3964.98	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
			Inner_1RB_Right	Refer To Test Graph				Pass

### 5.1.6 30k\_SISO\_40MHz\_NTNV

5G NR n77a SCS=30kHz SISO 40MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant6	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3720	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3960	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3720		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3840	Inner_1RB_Left	Refer To Test Graph				Pass	
		3960	Edge_1RB_Left	Refer To Test Graph				Pass
			Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3720		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass	
		Edge_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Right	Refer To Test Graph				Pass	
		3960	Outer_Full	Refer To Test Graph				Pass
			Inner_1RB_Right	Refer To Test Graph				Pass

### 5.1.7 30k\_SISO\_50MHz\_NTNV

5G NR n77a SCS=30kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant6	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3725.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3840	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	3725.01	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Inner_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3954.99	Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
	3725.01	Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass

### 5.1.8 30k\_SISO\_60MHz\_NTNV

5G NR n77a SCS=30kHz SISO 60MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant6	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3730.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3949.98	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3730.02		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3840	Inner_1RB_Left	Refer To Test Graph				Pass	
		Edge_1RB_Left	Refer To Test Graph				Pass	
		3949.98	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	3730.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3949.98	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Right	Refer To Test Graph				Pass			

### 5.1.9 30k\_SISO\_70MHz\_NTNV

5G NR n77a SCS=30kHz SISO 70MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant6	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3735	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3945	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3735		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3840	Inner_1RB_Left	Refer To Test Graph				Pass	
		3945	Edge_1RB_Left	Refer To Test Graph				Pass
			Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3735		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3945	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
3945	Inner_1RB_Right		Refer To Test Graph				Pass	

#### 5.1.10 30k\_SISO\_80MHz\_NTNV

5G NR n77a SCS=30kHz SISO 80MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant6	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3740.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3939.99	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3740.01		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3840	Inner_1RB_Left	Refer To Test Graph				Pass	
		3939.99	Edge_1RB_Left	Refer To Test Graph				Pass
			Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3740.01		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3939.99	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
	3740.01		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3840	Inner_1RB_Left	Refer To Test Graph				Pass	
		3939.99	Edge_1RB_Left	Refer To Test Graph				Pass
			Edge_1RB_Right	Refer To Test Graph				Pass

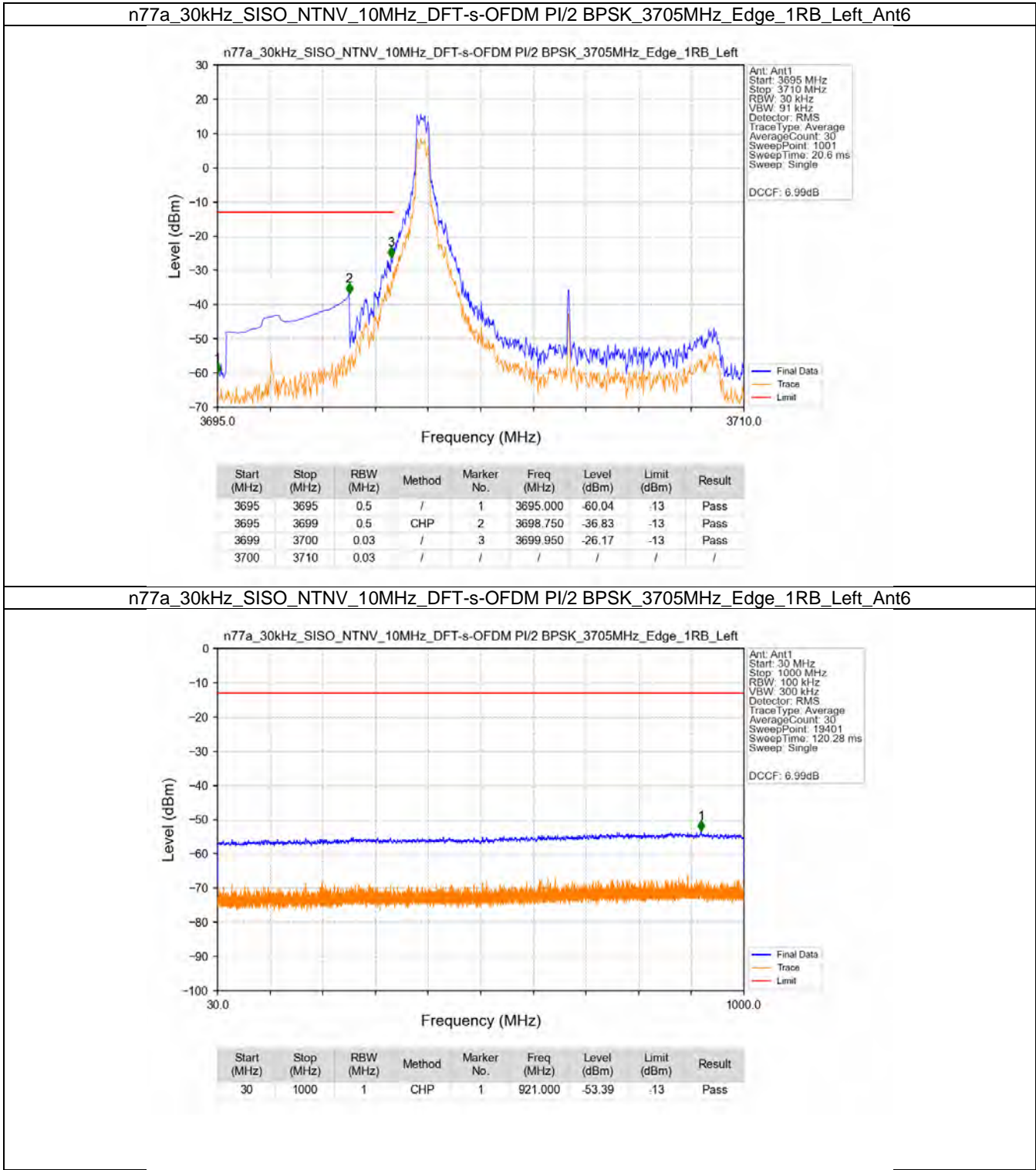
#### 5.1.11 30k\_SISO\_90MHz\_NTNV

5G NR n77a SCS=30kHz SISO 90MHz NTN				
Modulation	Frequency	RB	Spurious Emission	Verdict



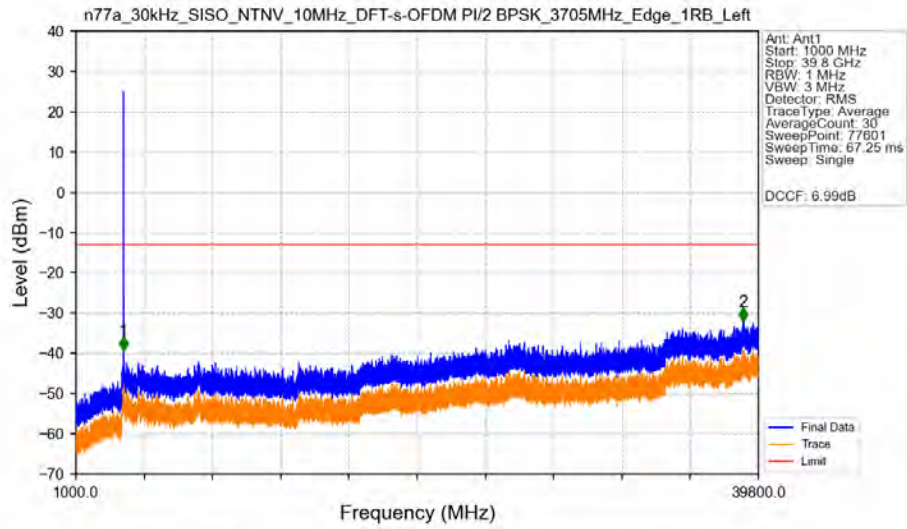
5.2 Test Graph

5.2.1 30k\_SISO\_10MHz\_NTNV



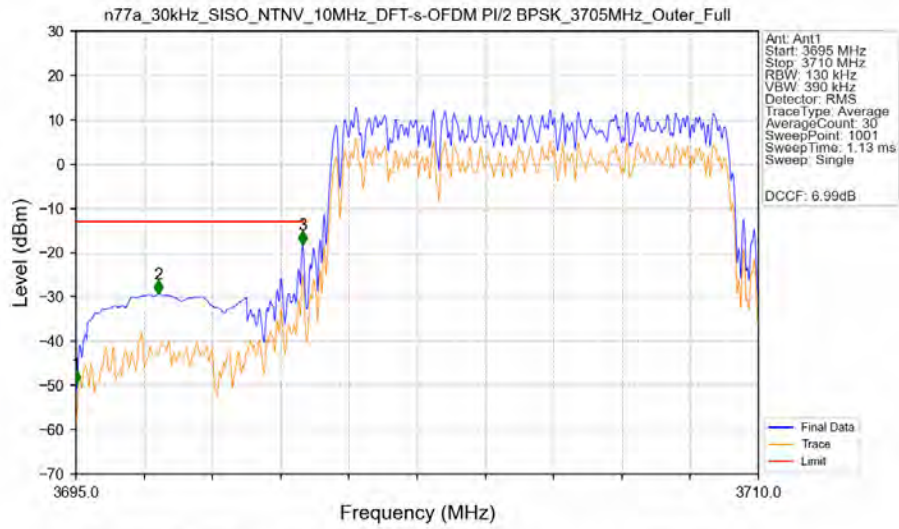


n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3705MHz\_Edge\_1RB\_Left\_Ant6



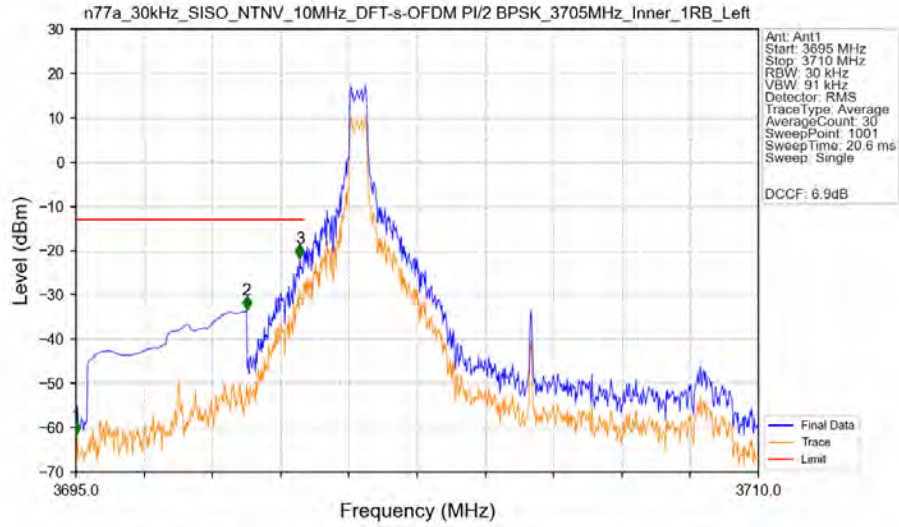
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3693.000	-39.32	-13	Pass
3695	3715	1	/	/	/	/	/	/
3715	39800	1	/	2	38933.000	-32.05	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3705MHz\_Outer\_Full\_Ant6

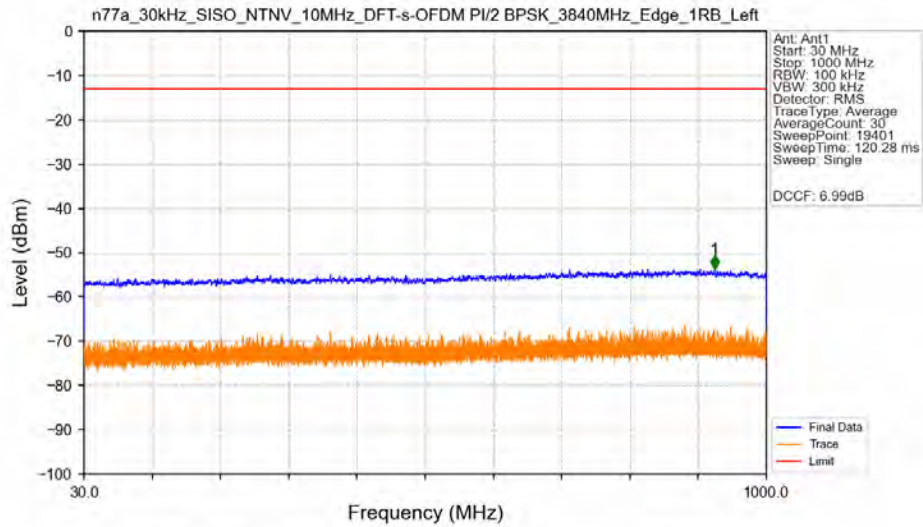


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-49.58	-13	Pass
3695	3699	0.5	CHP	2	3696.815	-29.34	-13	Pass
3699	3700	0.13	/	3	3699.980	-18.29	-13	Pass
3700	3710	0.13	/	/	/	/	/	/

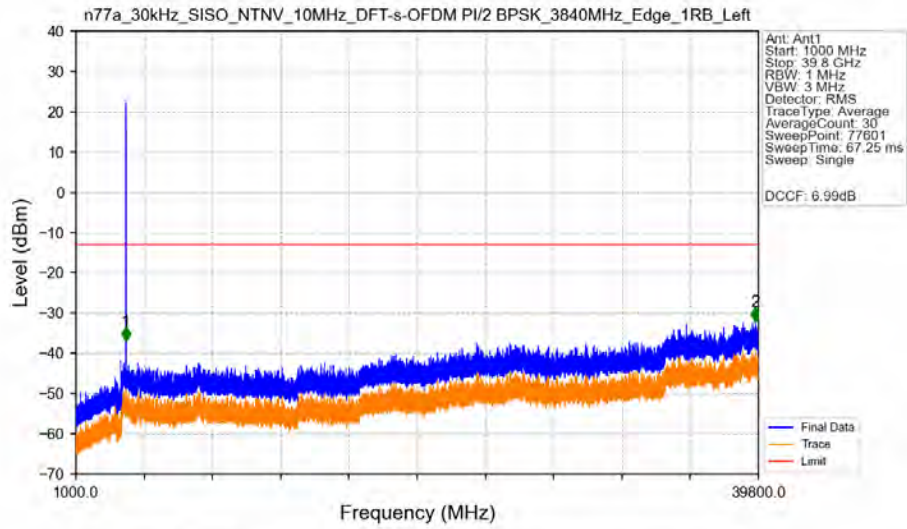
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3705MHz\_Inner\_1RB\_Left\_Ant6



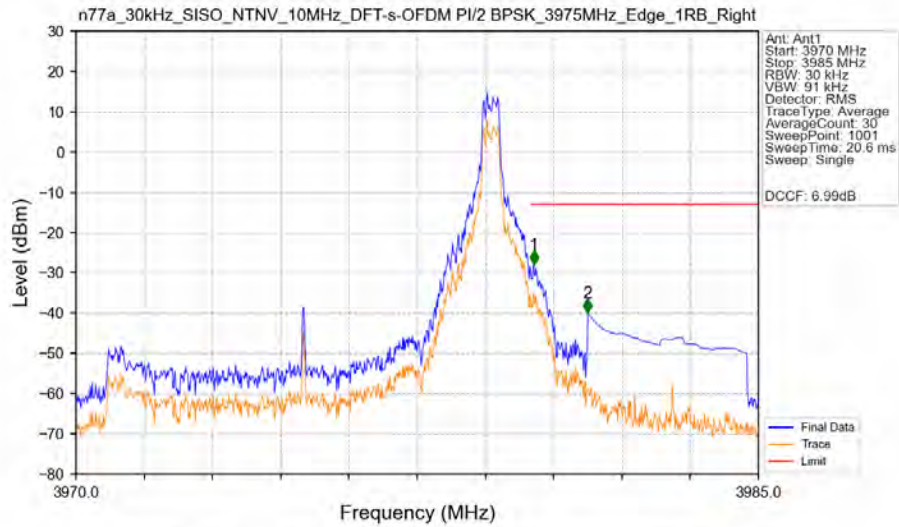
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6



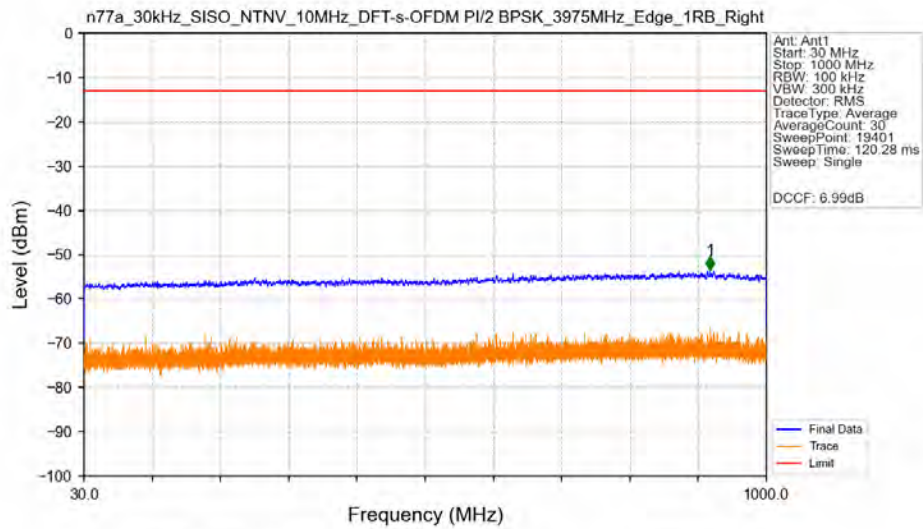
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6



n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3975MHz\_Edge\_1RB\_Right\_Ant6

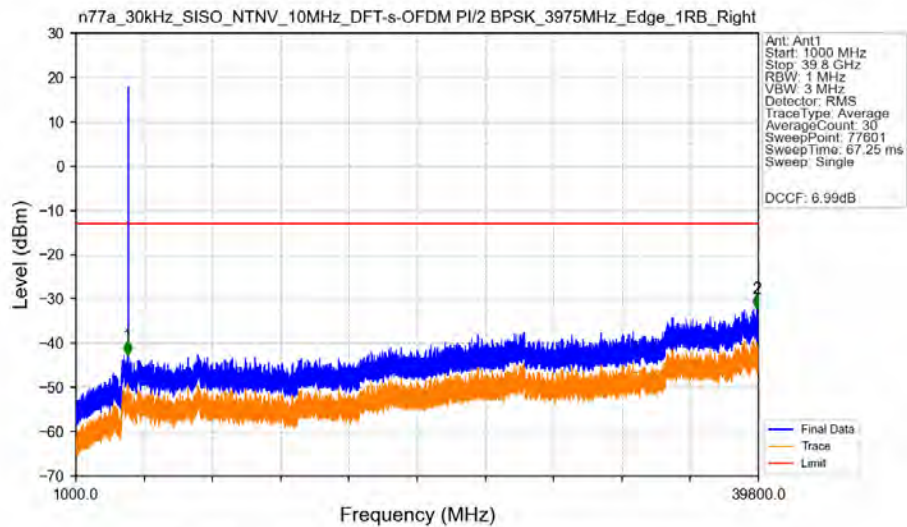


n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3975MHz\_Edge\_1RB\_Right\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	920.050	-53.51	-13	Pass

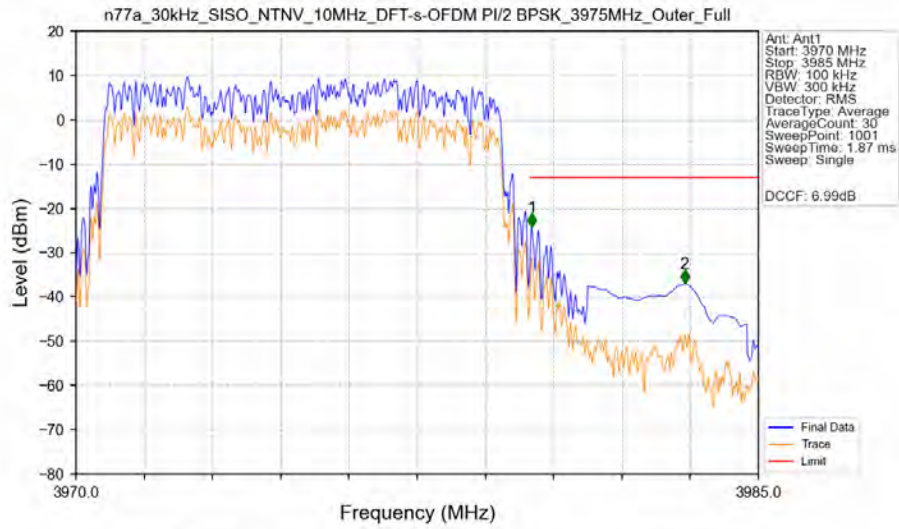
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3975MHz\_Edge\_1RB\_Right\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3965	1	/	1	3937.000	-42.55	-13	Pass
3965	3985	1	/	/	/	/	/	/
3985	39800	1	/	2	39710.000	-32.01	-13	Pass

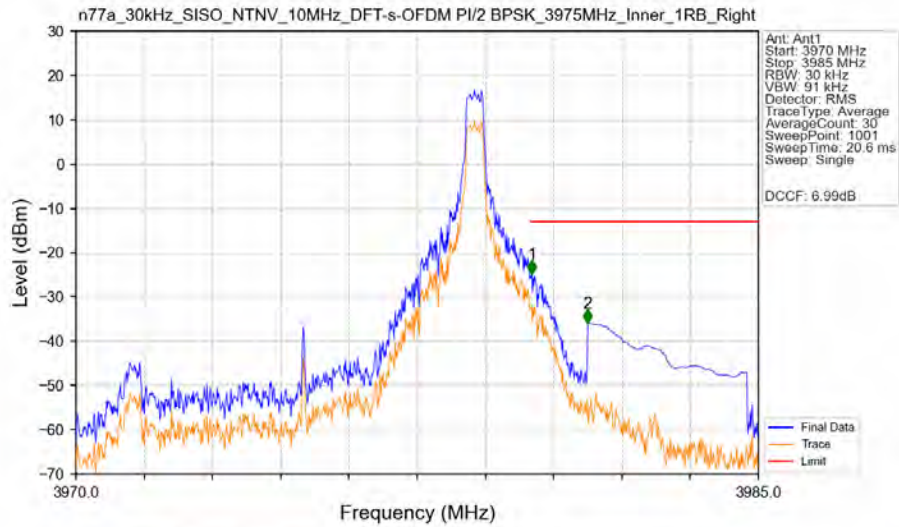


n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3975MHz\_Outer\_Full\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3970	3980	0.1	/	/	/	/	/	/
3980	3981	0.1	/	1	3980.020	-24.23	-13	Pass
3981	3985	0.5	CHP	2	3983.380	-37.03	-13	Pass

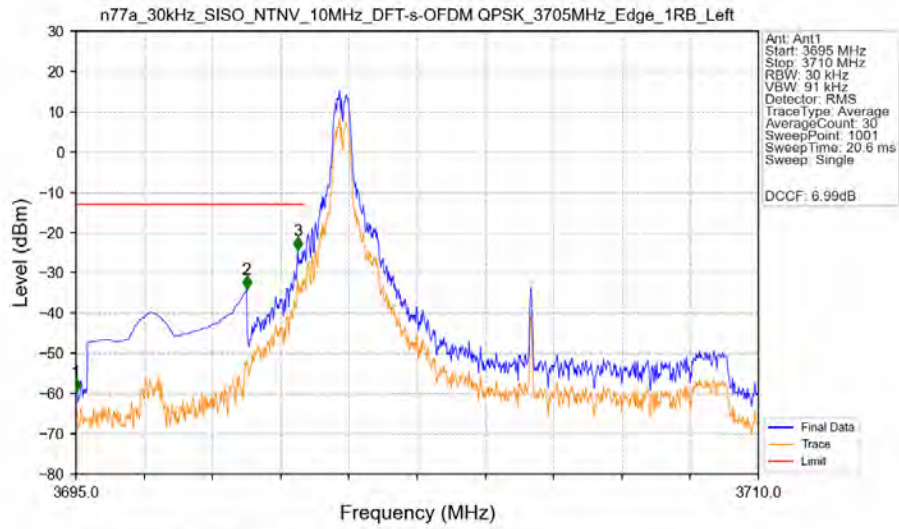
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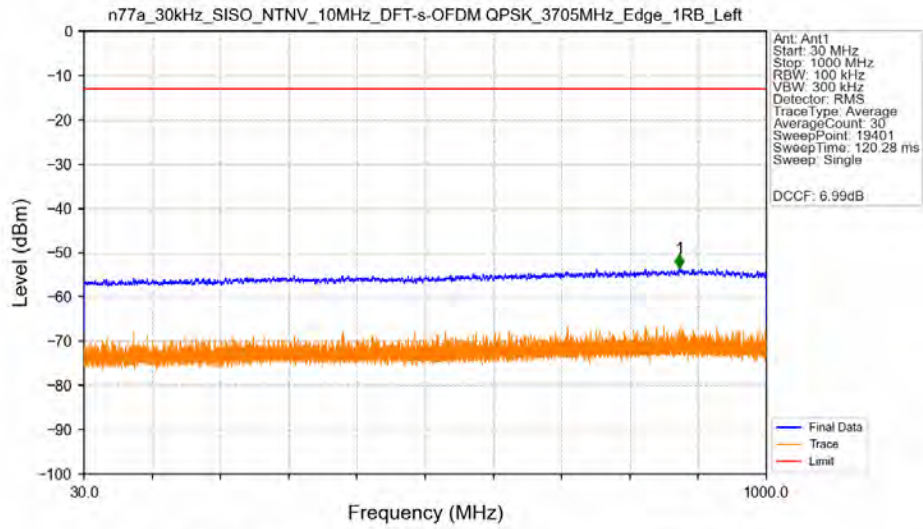
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3970	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	1	3980.020	-24.78	-13	Pass
3981	3985	0.5	CHP	2	3981.250	-35.94	-13	Pass



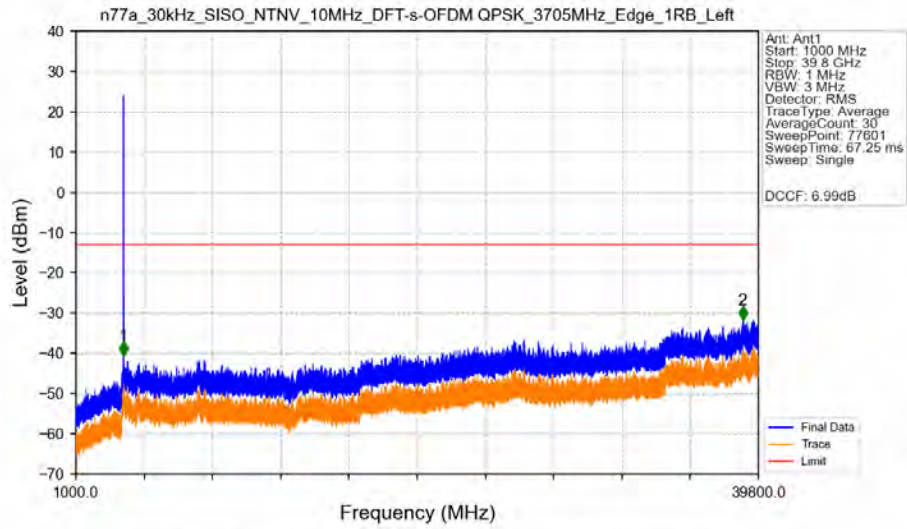
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant6



n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant6

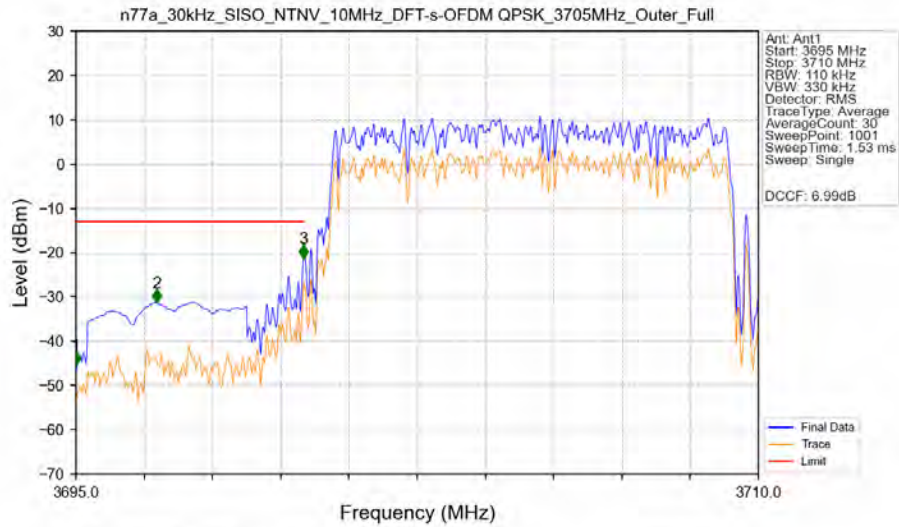


n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant6



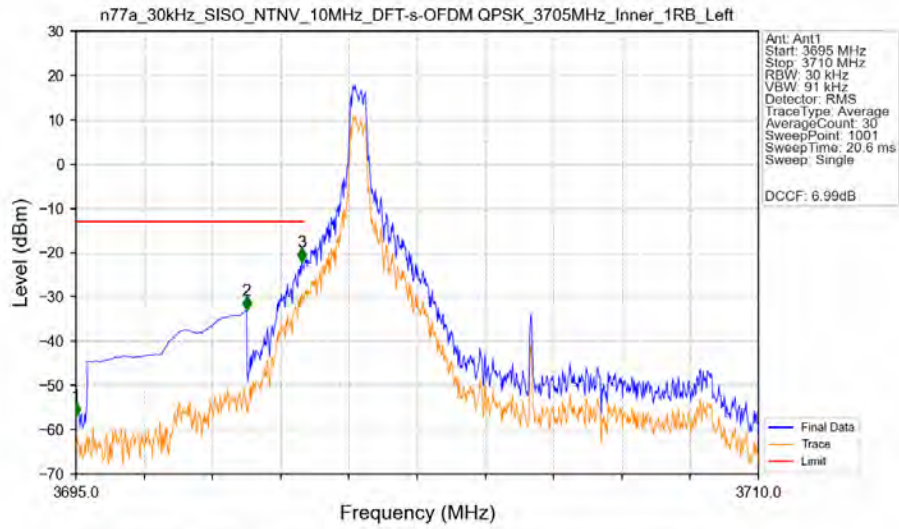
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3693.000	-40.45	-13	Pass
3695	3715	1	/	/	/	/	/	/
3715	39800	1	/	2	38911.500	-31.72	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3705MHz\_Outer\_Full\_Ant6



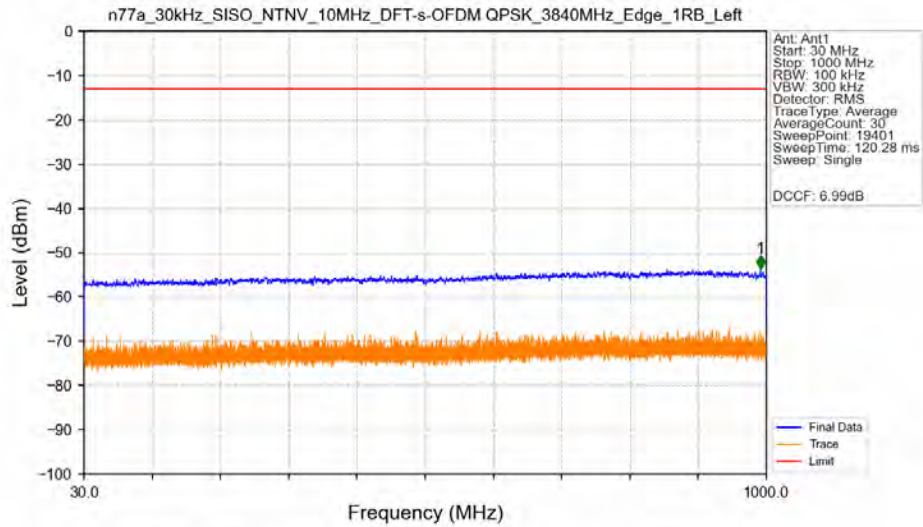
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-45.31	-13	Pass
3695	3699	0.5	CHP	2	3696.770	-31.27	-13	Pass
3699	3700	0.11	/	3	3699.995	-21.30	-13	Pass
3700	3710	0.11	/	/	/	/	/	/

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3705MHz\_Inner\_1RB\_Left\_Ant6



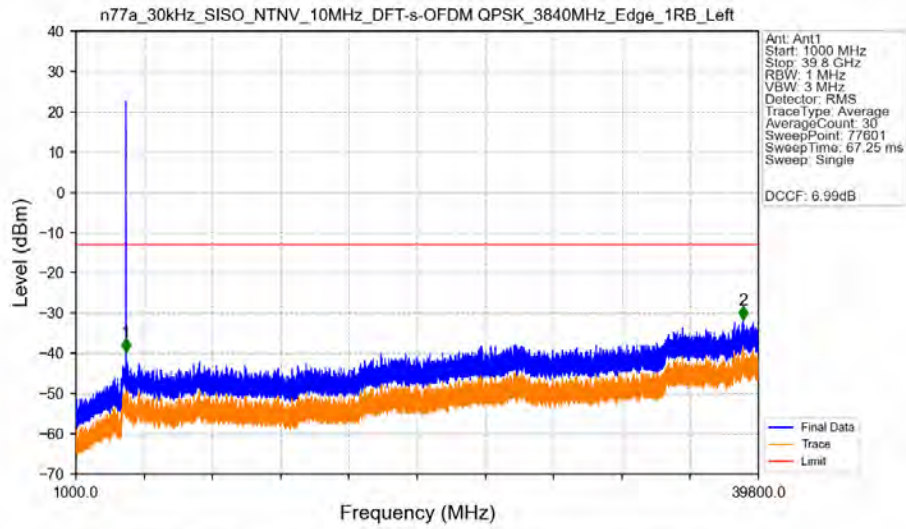
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-56.75	-13	Pass
3695	3699	0.5	CHP	2	3698.750	-32.96	-13	Pass
3699	3700	0.03	/	3	3699.965	-22.09	-13	Pass
3700	3710	0.03	/	/	/	/	/	/

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6



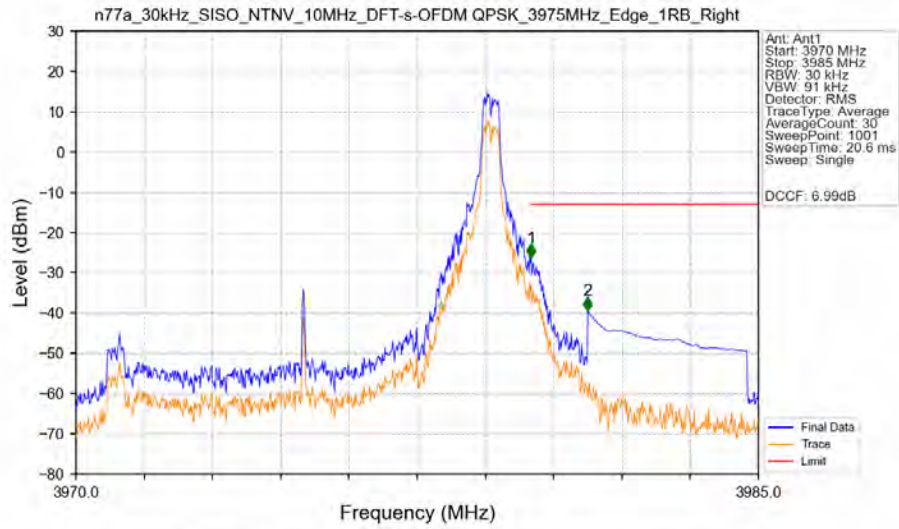
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	991.700	-53.59	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3830	1	/	1	3828.500	-39.75	-13	Pass
3830	3850	1	/	/	/	/	/	/
3850	39800	1	/	2	38944.000	-31.69	-13	Pass

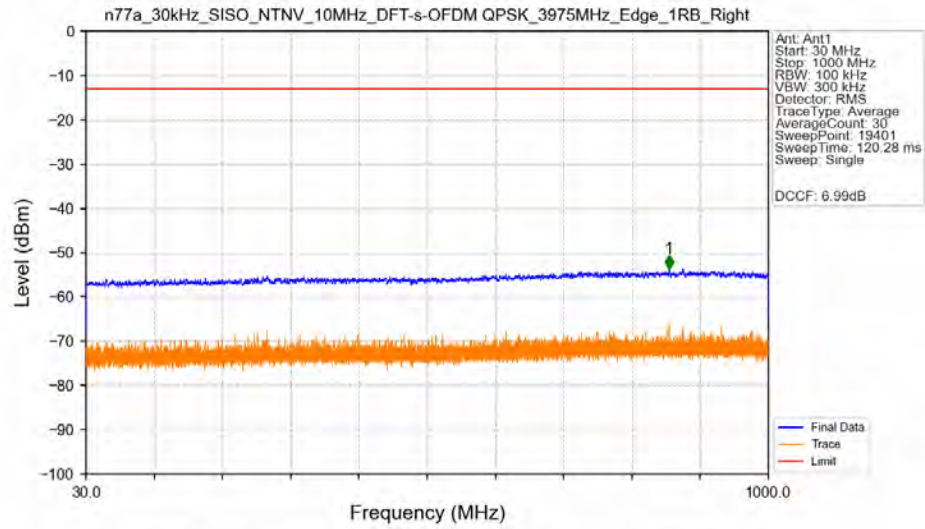
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant6



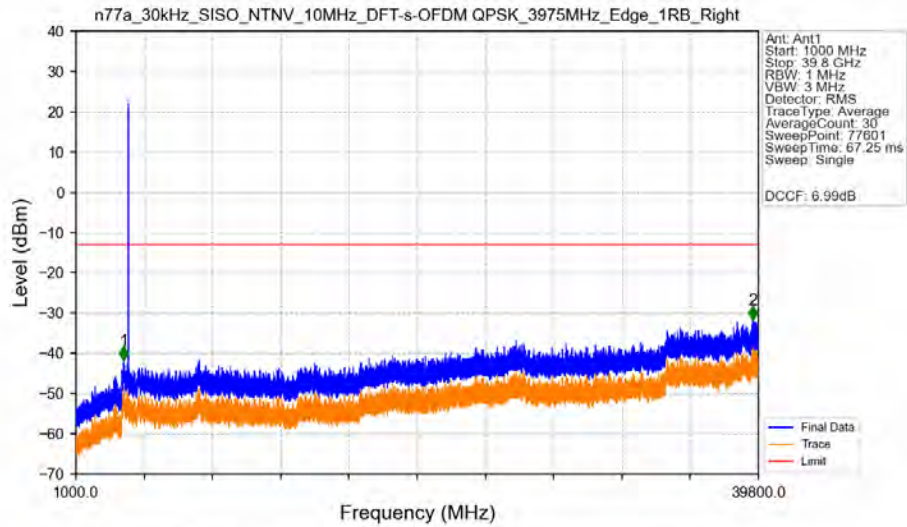
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3970	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	1	3980.005	-26.19	-13	Pass
3981	3985	0.5	CHP	2	3981.250	-39.37	-13	Pass



# n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant6

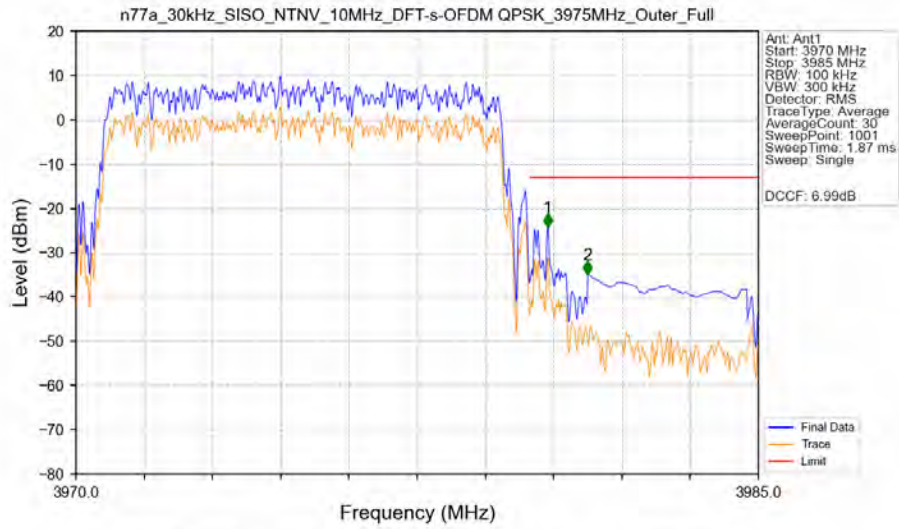


# n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant6

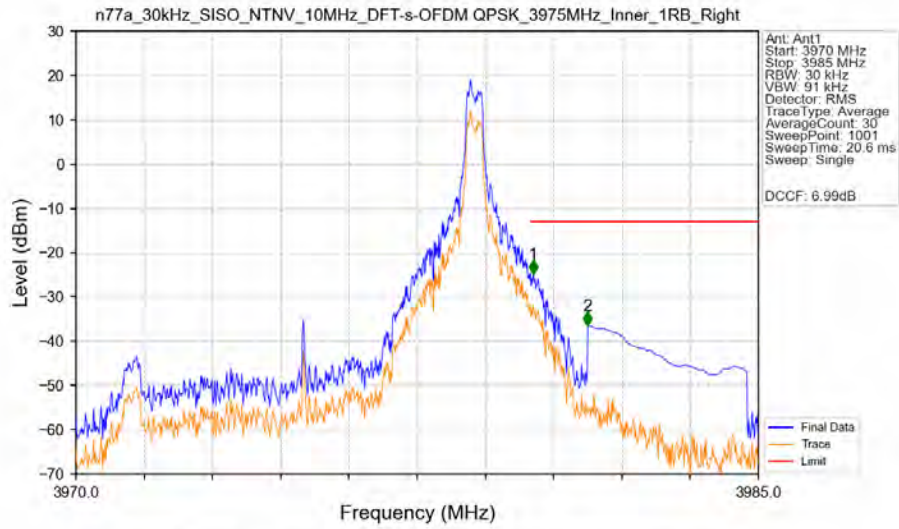




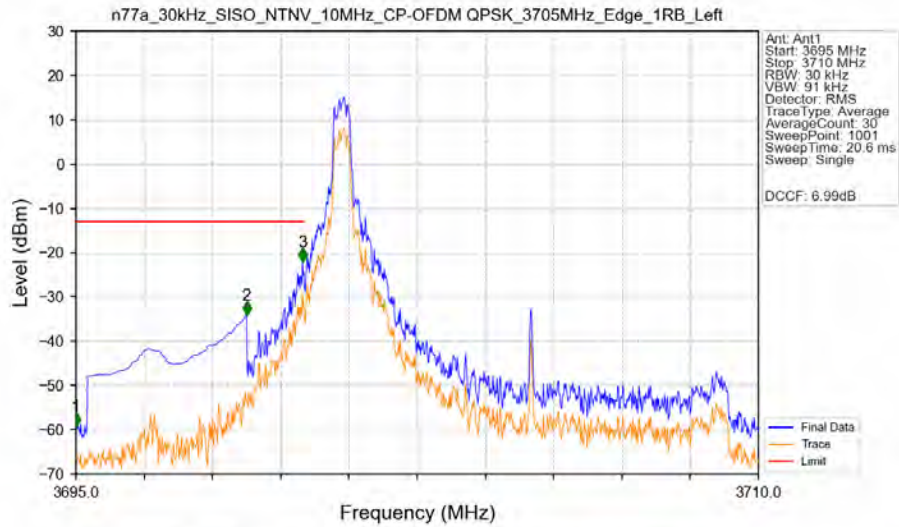
# n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3975MHz\_Outer\_Full\_Ant6



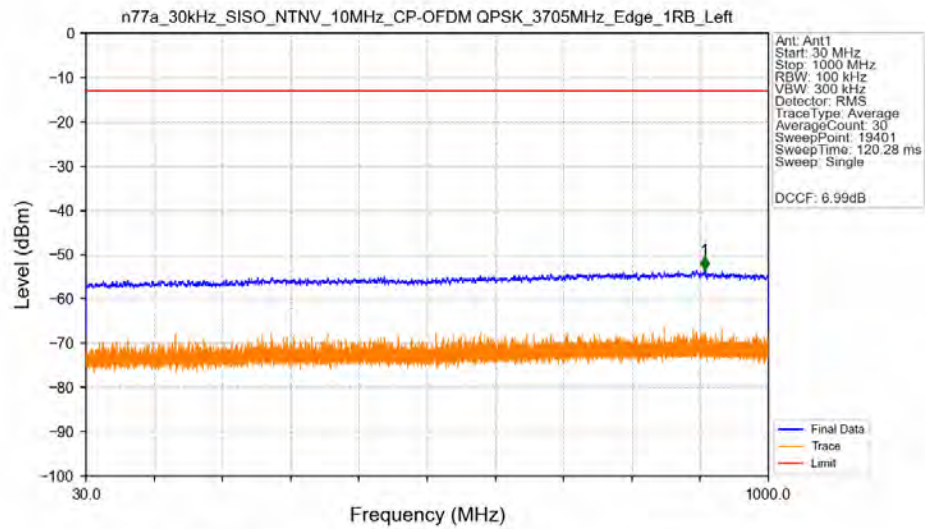
# n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3975MHz\_Inner\_1RB\_Right\_Ant6



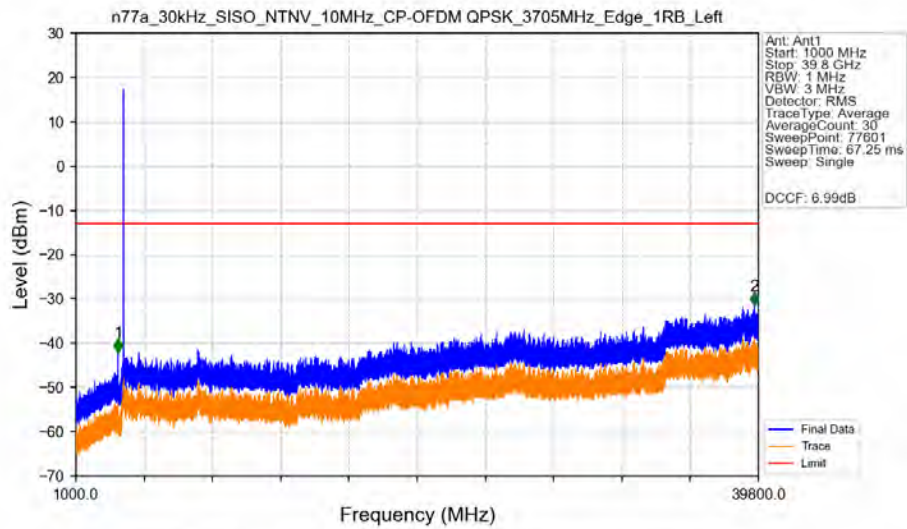
# n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant6



# n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant6

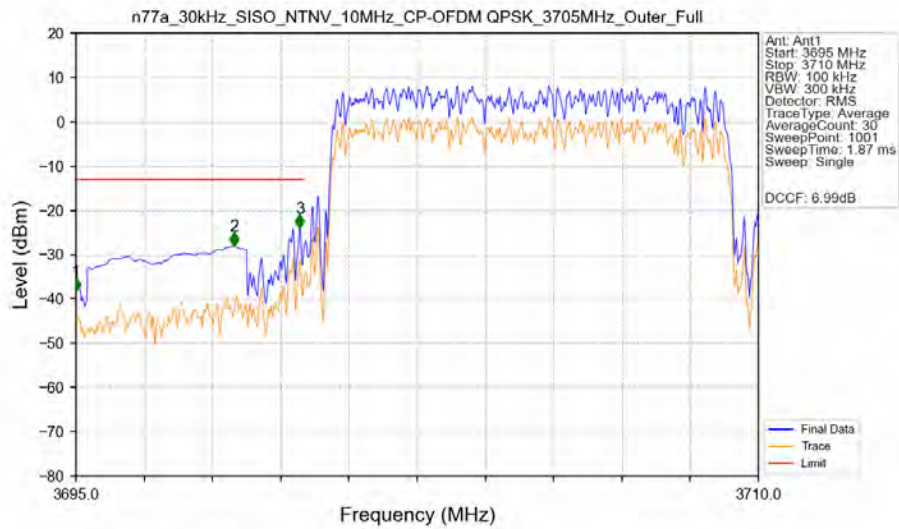


# n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant6



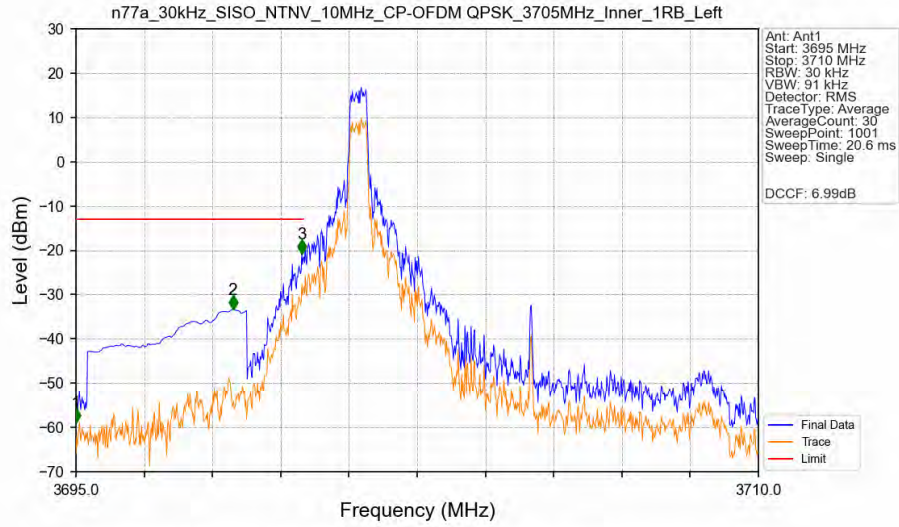
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3393.500	-42.10	-13	Pass
3695	3715	1	/	/	/	/	/	/
3715	39800	1	/	2	39580.500	-31.59	-13	Pass

# n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3705MHz\_Outer\_Full\_Ant6



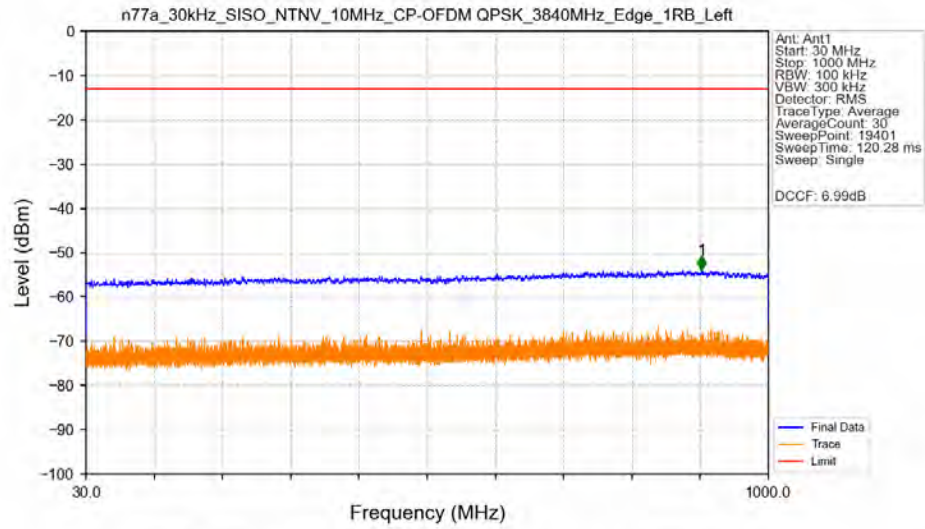
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-38.15	-13	Pass
3695	3699	0.5	CHP	2	3698.480	-28.08	-13	Pass
3699	3700	0.1	/	3	3699.920	-23.96	-13	Pass
3700	3710	0.1	/	/	/	/	/	/

# n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3705MHz\_Inner\_1RB\_Left\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-58.89	-13	Pass
3695	3699	0.5	CHP	2	3698.450	-33.28	-13	Pass
3699	3700	0.03	/	3	3699.965	-20.70	-13	Pass
3700	3710	0.03	/	/	/	/	/	/

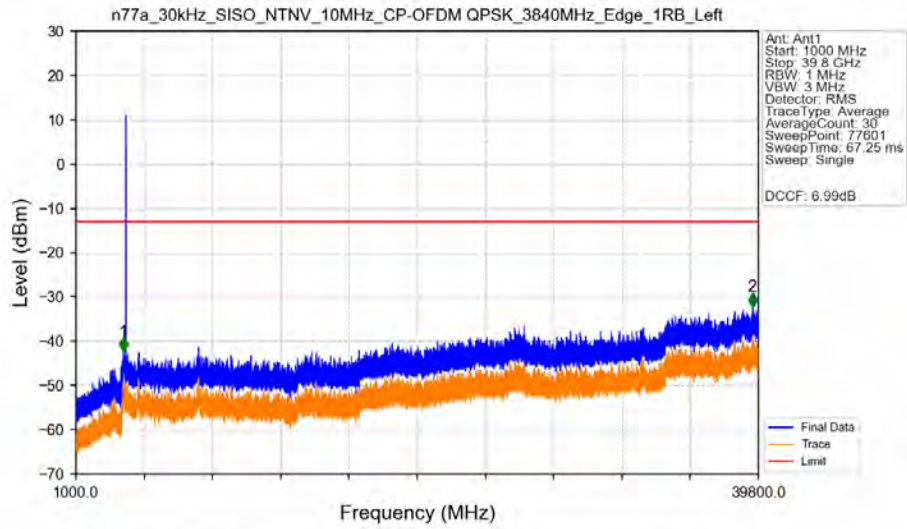
# n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6



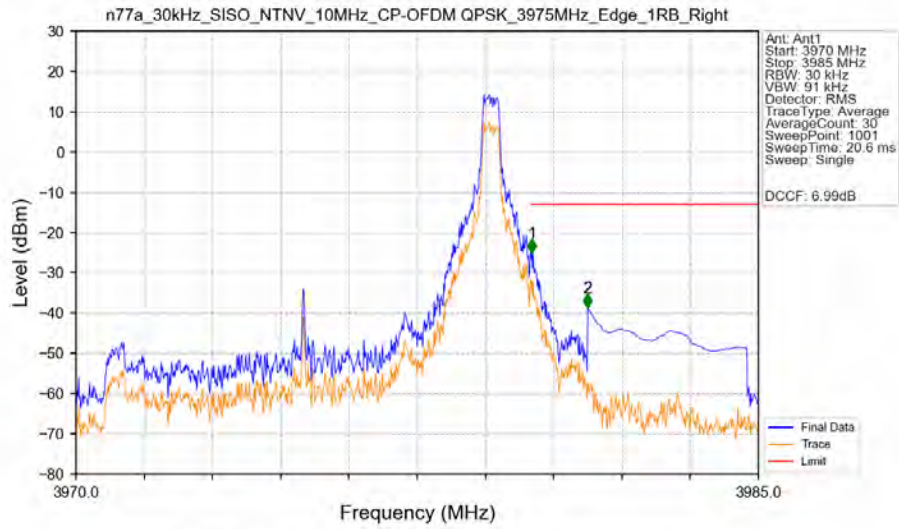
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	905.150	-53.89	-13	Pass



n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6

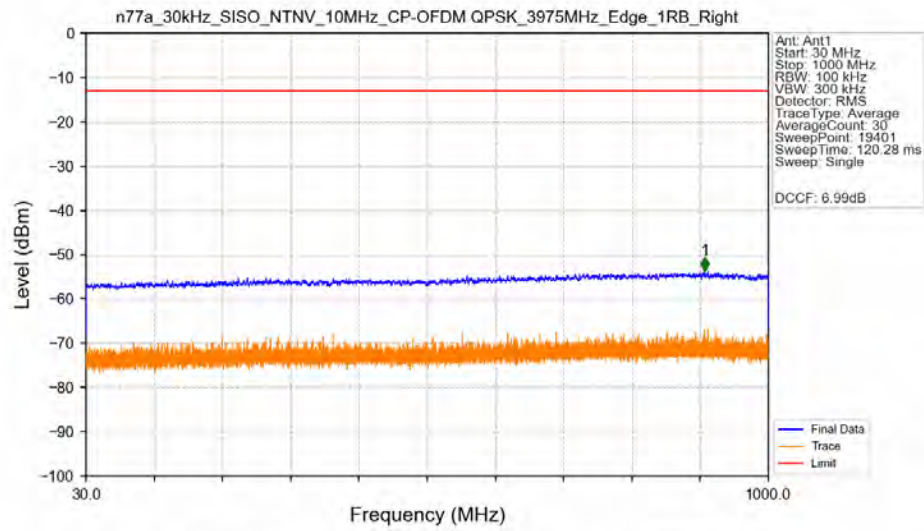


n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant6



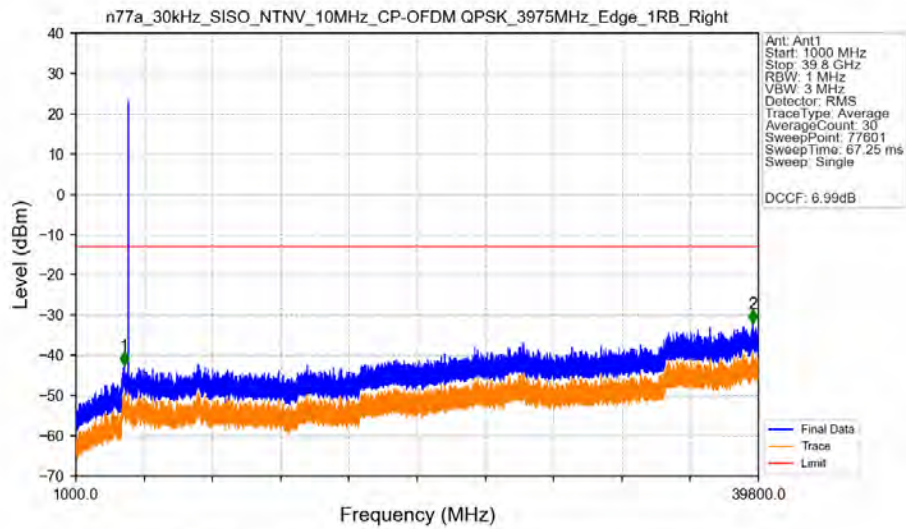


n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant6



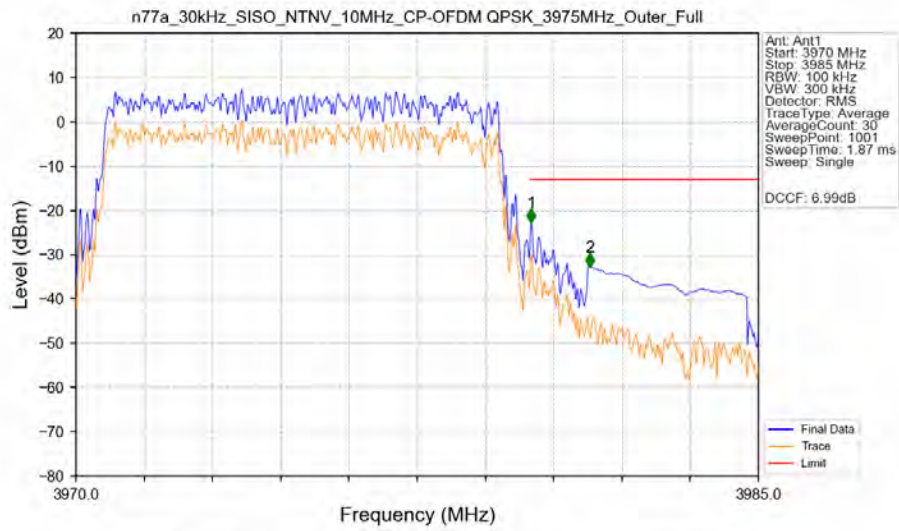
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	909.800	-53.59	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant6

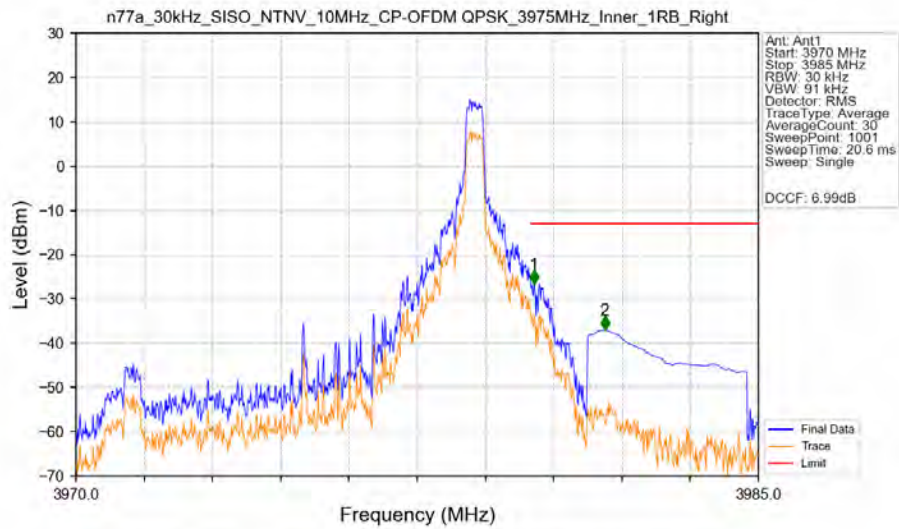


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3965	1	/	1	3752.000	-42.58	-13	Pass
3965	3985	1	/	/	/	/	/	/
3985	39800	1	/	2	39478.500	-32.15	-13	Pass

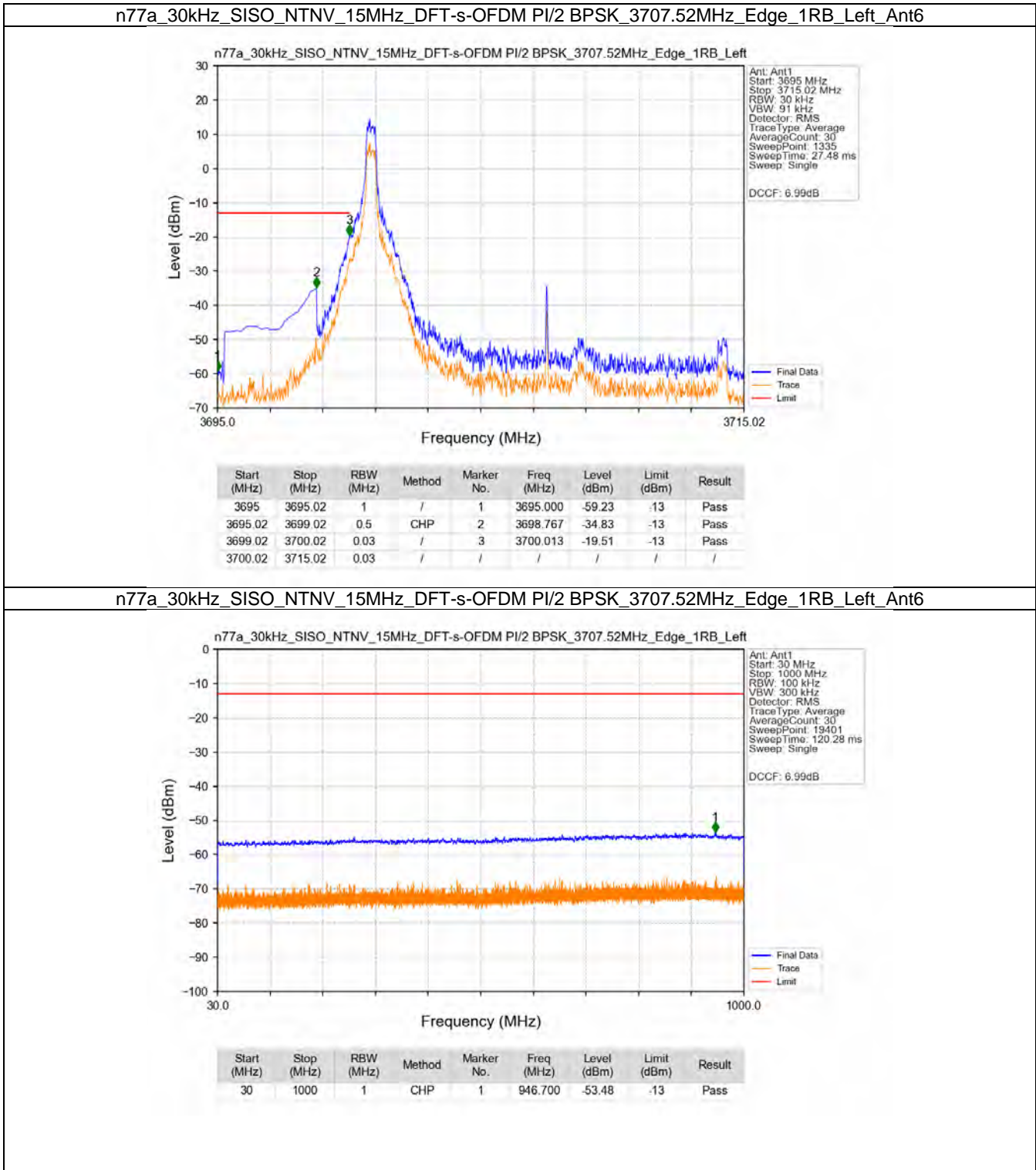
# n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3975MHz\_Outer\_Full\_Ant6



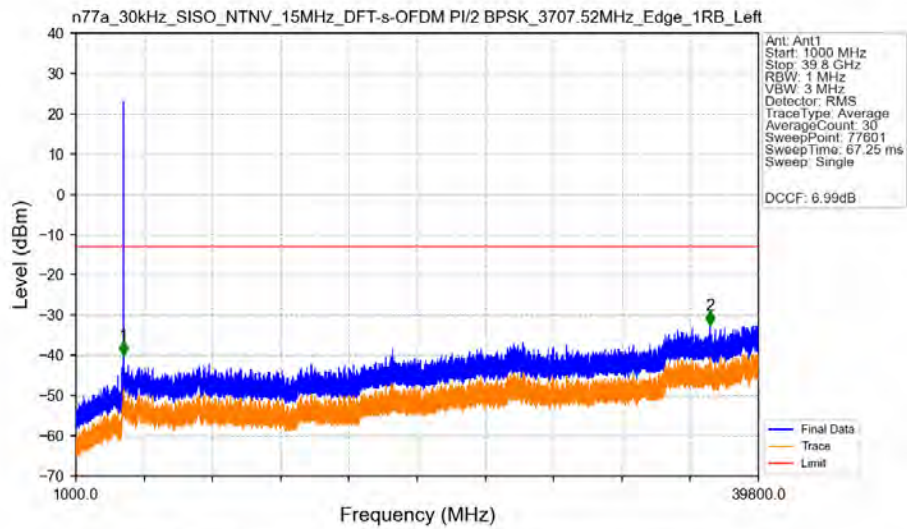
# n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3975MHz\_Inner\_1RB\_Right\_Ant6



5.2.2 30k\_SISO\_15MHz\_NTNV

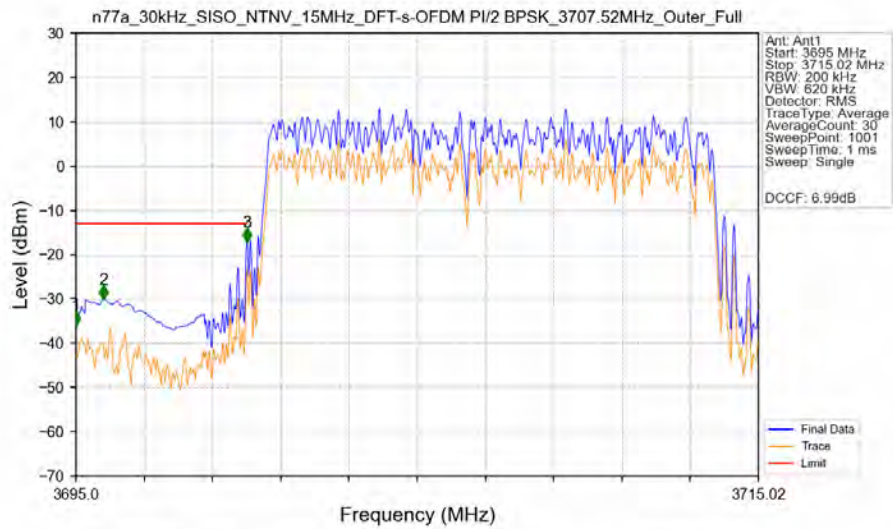


# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK 3707.52MHz\_Edge\_1RB\_Left\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.02	1	/	1	3693.000	-39.82	-13	Pass
3695.02	3720.02	1	/	/	/	/	/	/
3720.02	39800	1	/	2	37053.500	-32.48	-13	Pass

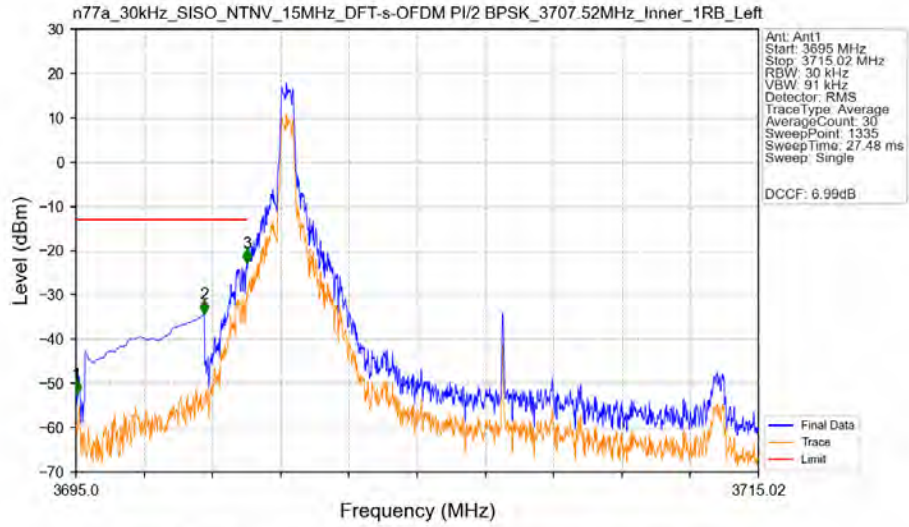
# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK 3707.52MHz\_Outer\_Full\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.000	-35.80	-13	Pass
3695.02	3699.02	0.5	CHP	2	3695.801	-30.05	-13	Pass
3699.02	3700.02	0.2	/	3	3700.005	-17.09	-13	Pass
3700.02	3715.02	0.2	/	/	/	/	/	/

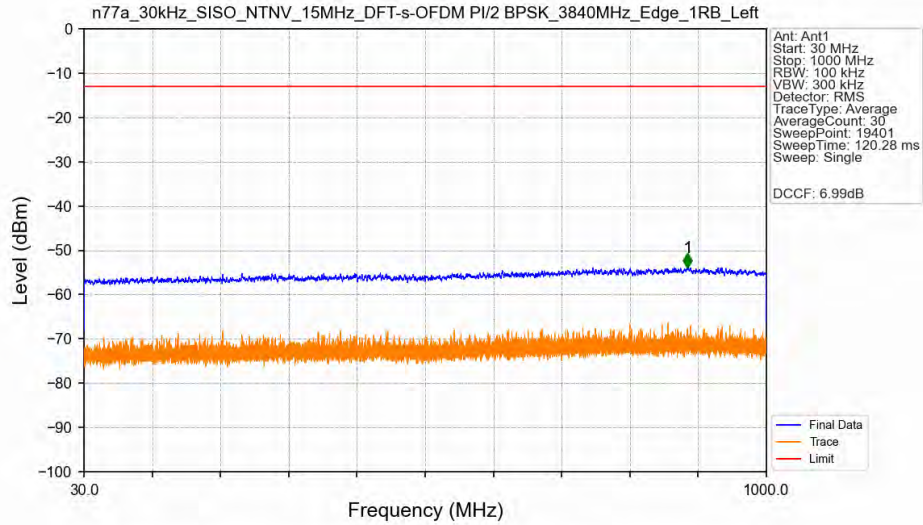


# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3707.52MHz\_Inner\_1RB\_Left\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.015	-52.35	-13	Pass
3695.02	3699.02	0.5	CHP	2	3698.767	-34.31	-13	Pass
3699.02	3700.02	0.03	/	3	3700.013	-22.72	-13	Pass
3700.02	3715.02	0.03	/	/	/	/	/	/

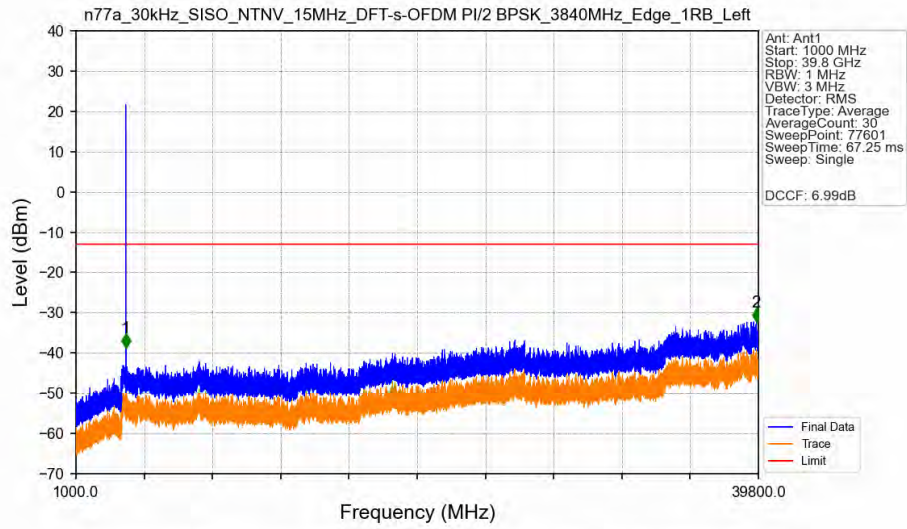
# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	887.950	-53.86	-13	Pass

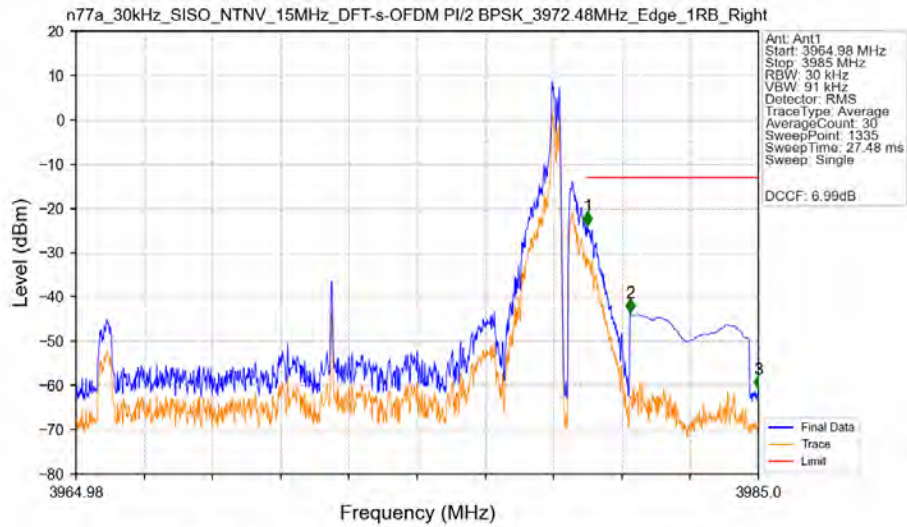


n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6



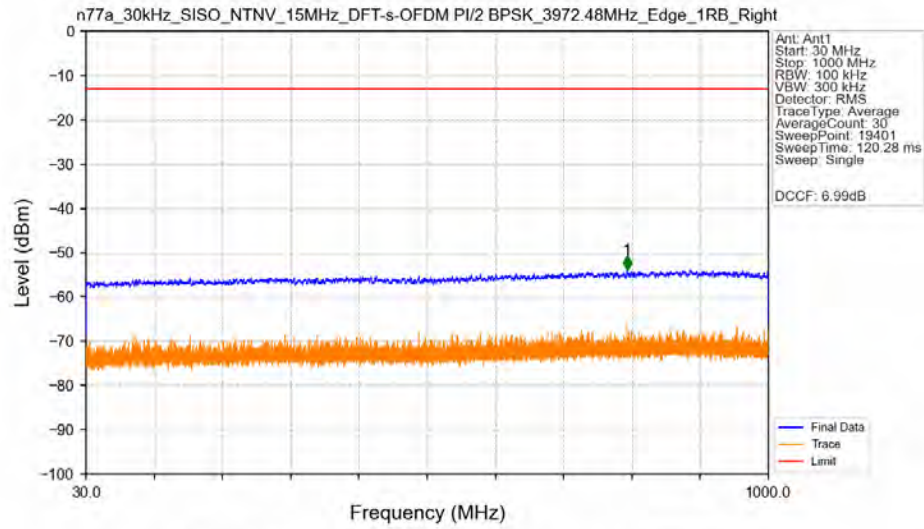
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3827.5	1	/	1	3826.000	-38.73	-13	Pass
3827.5	3852.5	1	/	/	/	/	/	/
3852.5	39800	1	/	2	39690.500	-32.28	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3972.48MHz\_Edge\_1RB\_Right\_Ant6

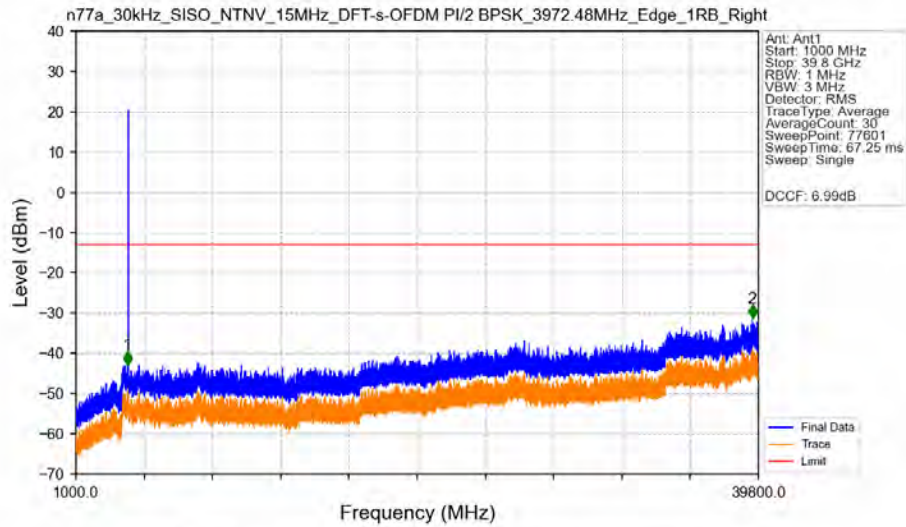


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	1	3979.987	-23.93	-13	Pass
3980.98	3984.98	0.5	CHP	2	3981.233	-43.54	-13	Pass
3984.98	3985	1	CHP	3	3985.000	-60.89	-13	Pass

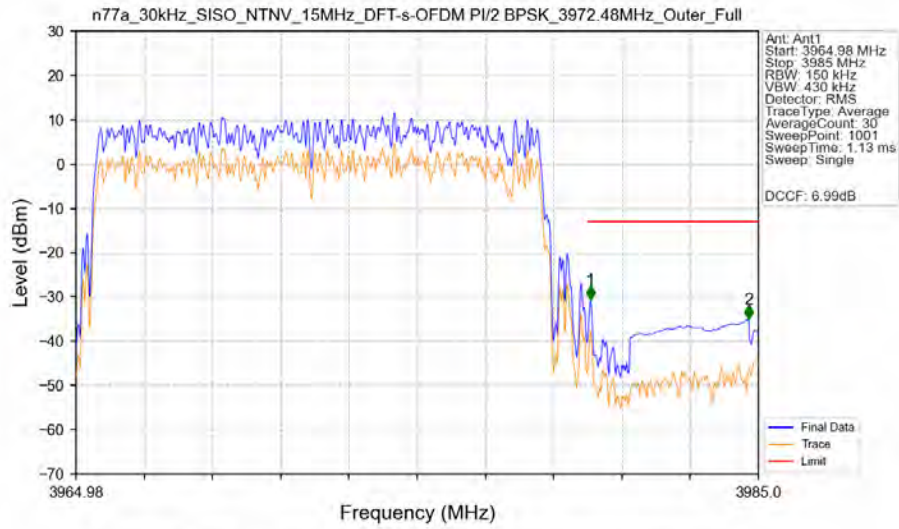
# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3972.48MHz\_Edge\_1RB\_Right\_Ant6



# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3972.48MHz\_Edge\_1RB\_Right\_Ant6

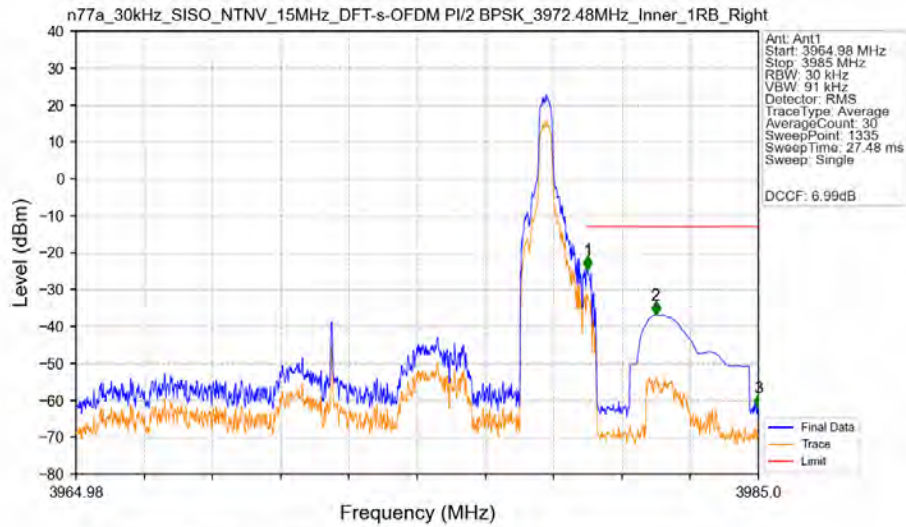


# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3972.48MHz\_Outer\_Full\_Ant6



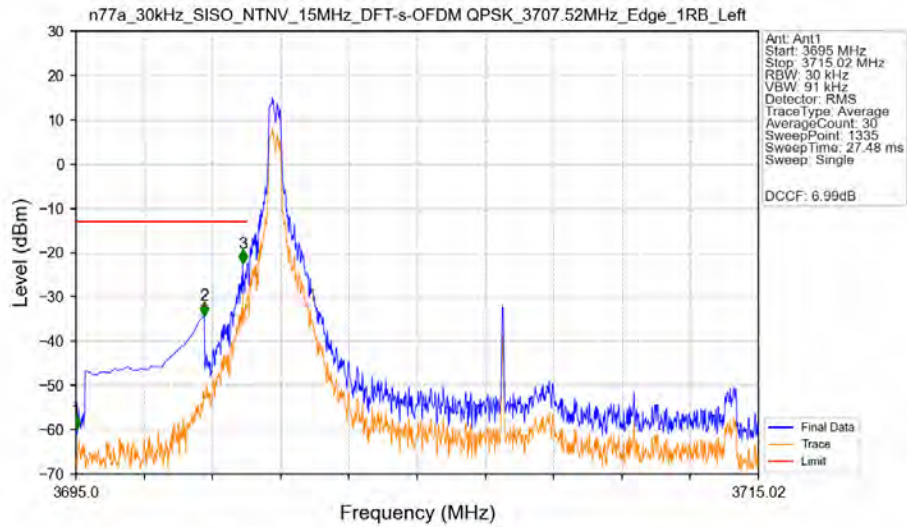
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.98	3979.98	0.15	/	/	/	/	/	/
3979.98	3980.98	0.15	/	1	3980.075	-30.56	-13	Pass
3980.98	3984.98	0.5	CHP	2	3984.720	-34.93	-13	Pass

# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3972.48MHz\_Inner\_1RB\_Right\_Ant6

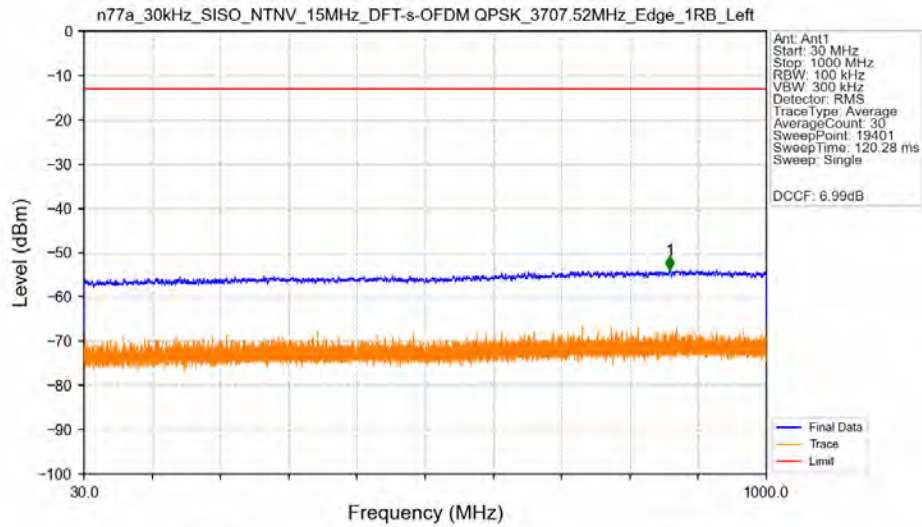


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	1	3979.987	-24.62	-13	Pass
3980.98	3984.98	0.5	CHP	2	3981.983	-36.78	-13	Pass
3984.98	3985	1	CHP	3	3985.000	-62.07	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3707.52MHz\_Edge\_1RB\_Left\_Ant6

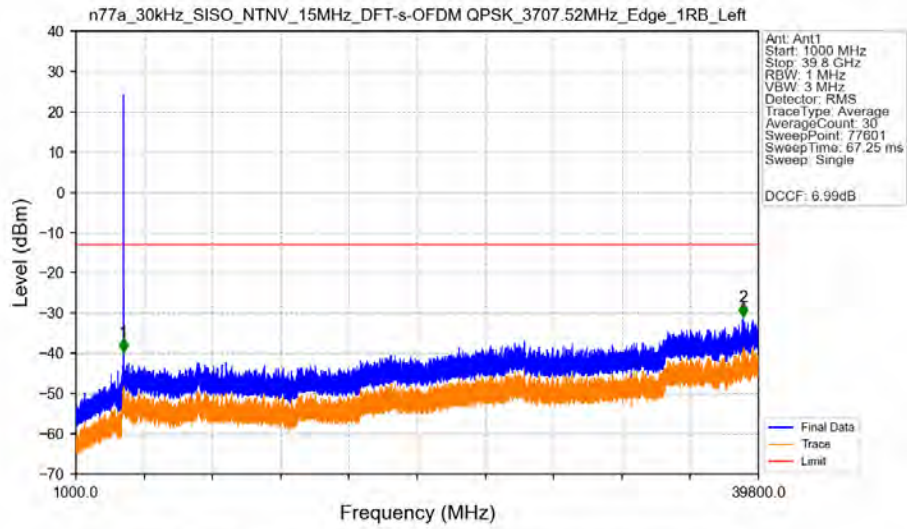


n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3707.52MHz\_Edge\_1RB\_Left\_Ant6



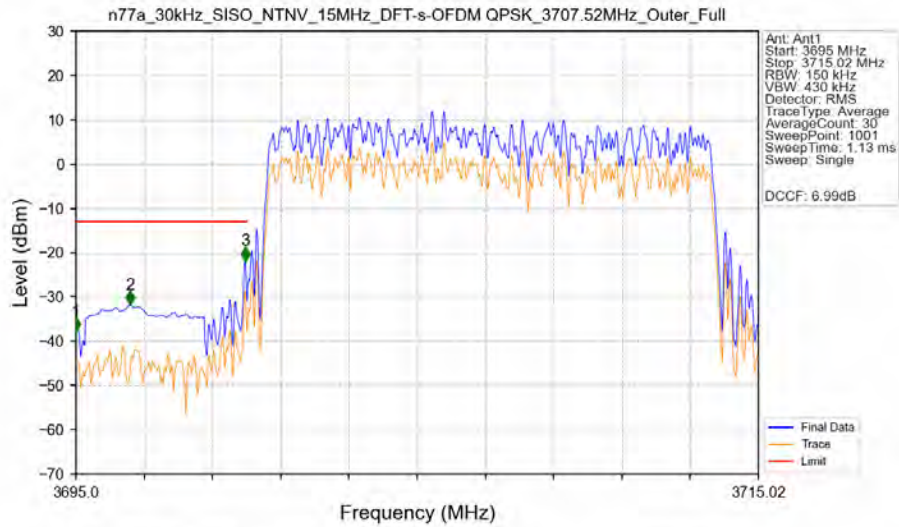


# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3707.52MHz\_Edge\_1RB\_Left\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.02	1	/	1	3692.500	-39.67	-13	Pass
3695.02	3720.02	1	/	/	/	/	/	/
3720.02	39800	1	/	2	38950.000	-30.96	-13	Pass

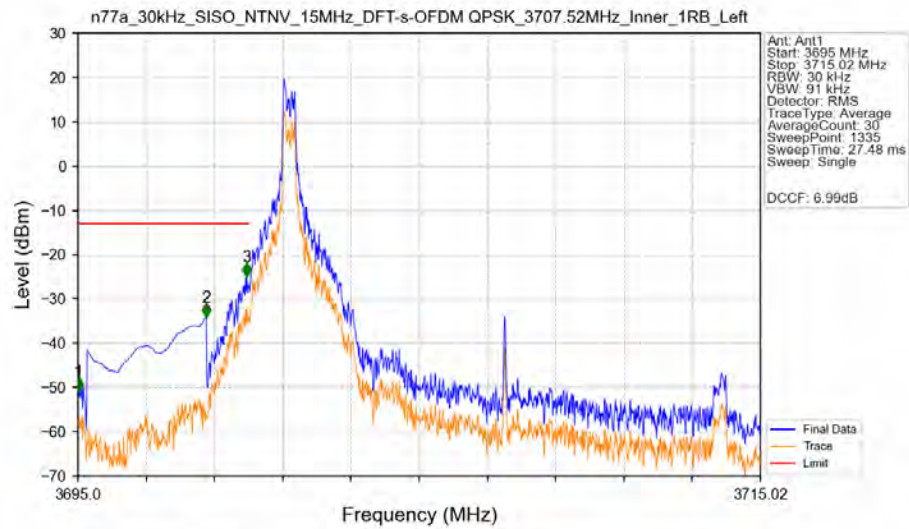
# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3707.52MHz\_Outer\_Full\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.000	-37.63	-13	Pass
3695.02	3699.02	0.5	CHP	2	3696.582	-31.78	-13	Pass
3699.02	3700.02	0.15	/	3	3699.965	-21.77	-13	Pass
3700.02	3715.02	0.15	/	/	/	/	/	/

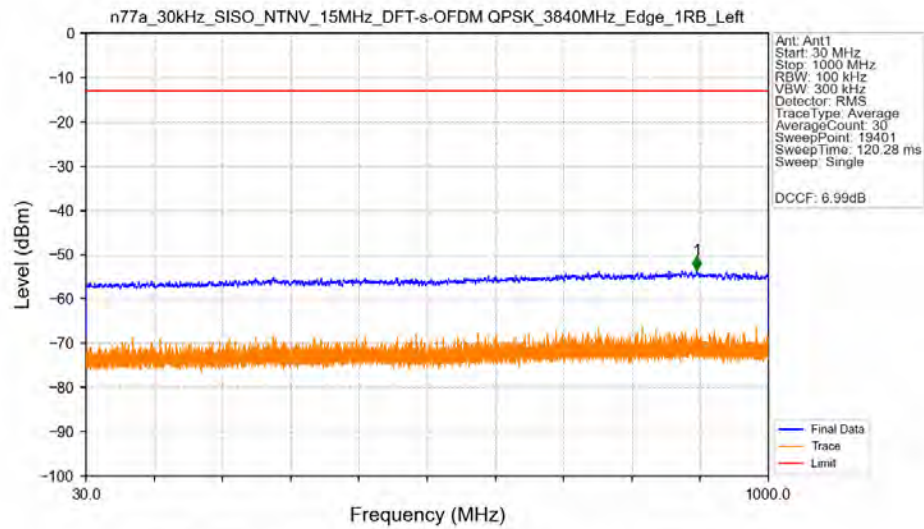


# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3707.52MHz\_Inner\_1RB\_Left\_Ant6



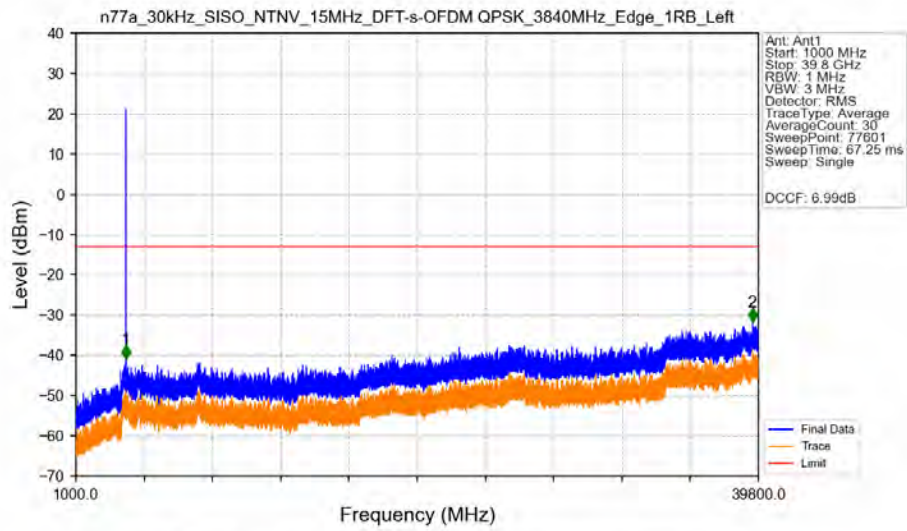
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.015	-50.75	-13	Pass
3695.02	3699.02	0.5	CHP	2	3698.767	-33.98	-13	Pass
3699.02	3700.02	0.03	/	3	3699.952	-24.98	-13	Pass
3700.02	3715.02	0.03	/	/	/	/	/	/

# n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6



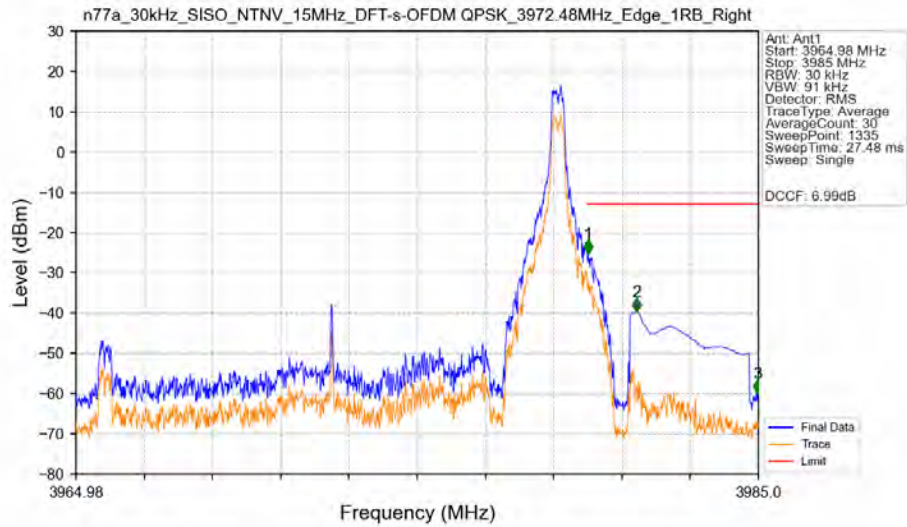
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	898.050	-53.58	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6



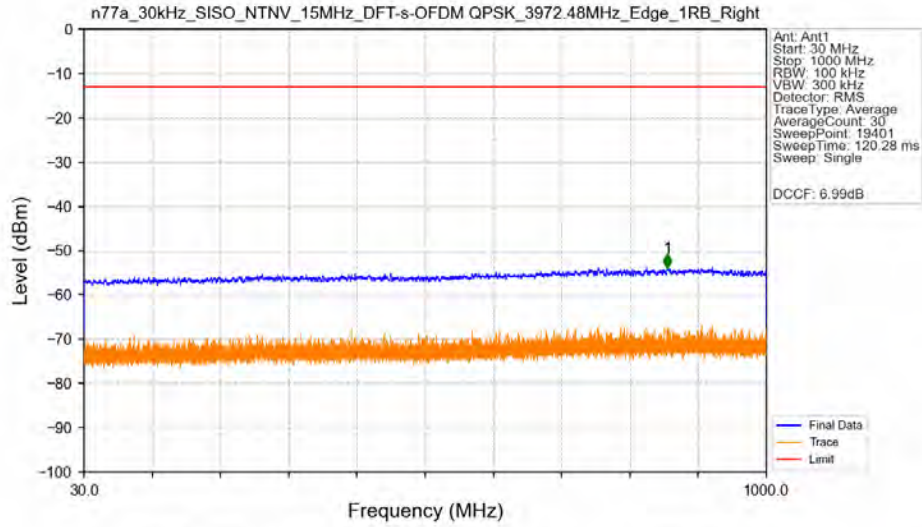
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3827.5	1	/	1	3826.000	-40.89	-13	Pass
3827.5	3852.5	1	/	/	/	/	/	/
3852.5	39800	1	/	2	39464.000	-31.75	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3972.48MHz\_Edge\_1RB\_Right\_Ant6

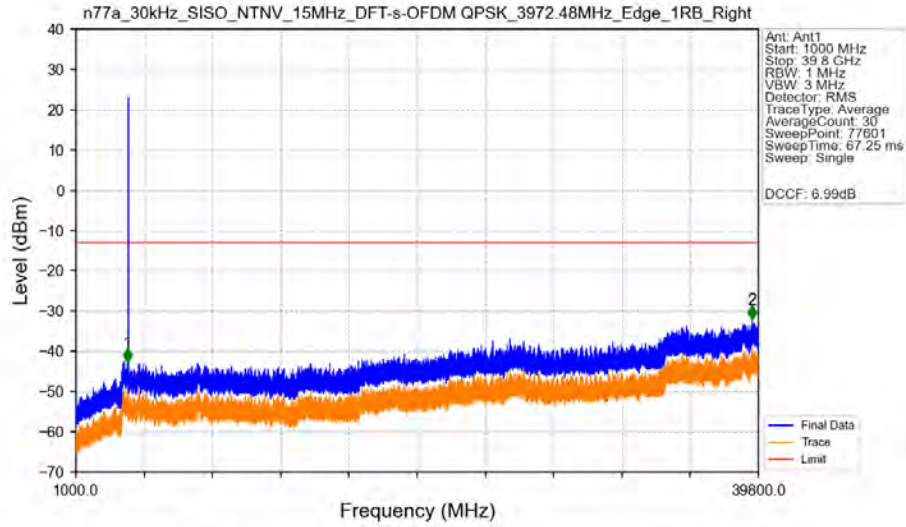


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	1	3980.003	-25.32	-13	Pass
3980.98	3984.98	0.5	CHP	2	3981.428	-39.76	-13	Pass
3984.98	3985	1	CHP	3	3984.985	-60.00	-13	Pass

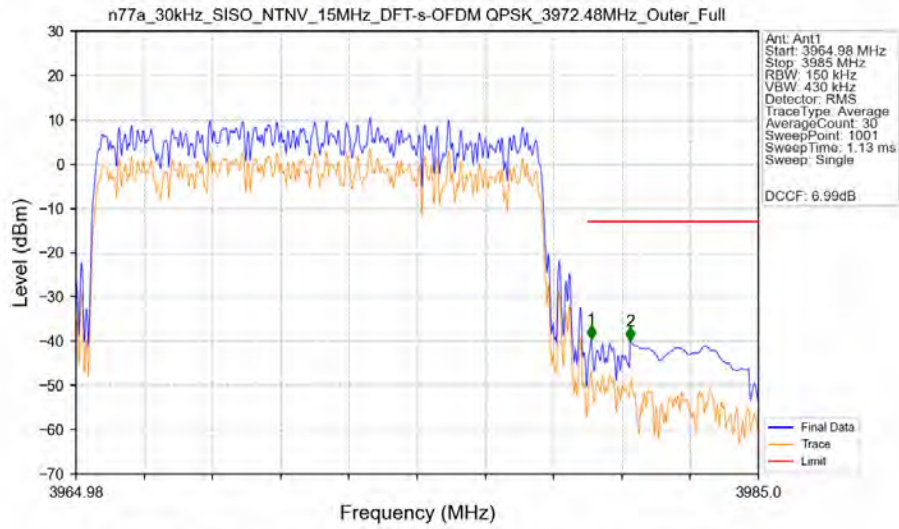
n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3972.48MHz\_Edge\_1RB\_Right\_Ant6



n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3972.48MHz\_Edge\_1RB\_Right\_Ant6

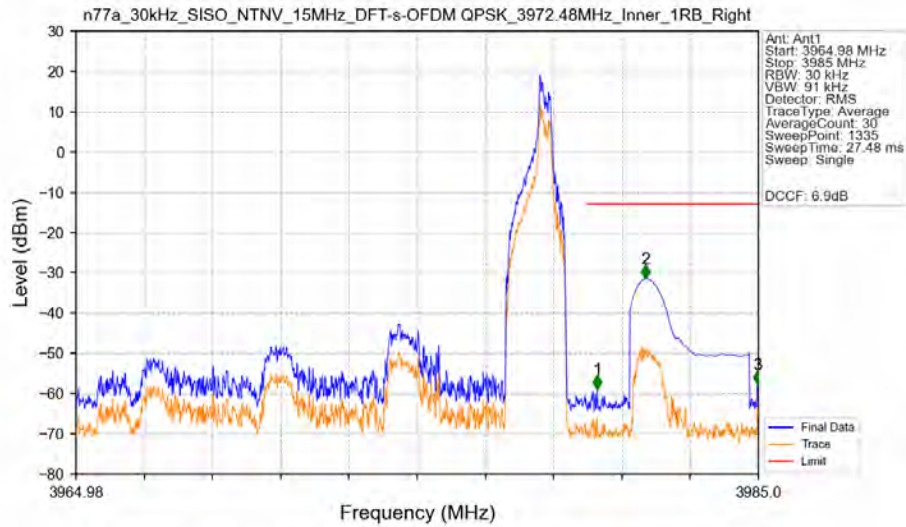


n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3972.48MHz\_Outer\_Full\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.98	3979.98	0.15	/	/	/	/	/	/
3979.98	3980.98	0.15	/	1	3980.095	-39.59	-13	Pass
3980.98	3984.98	0.5	CHP	2	3981.236	-39.95	-13	Pass

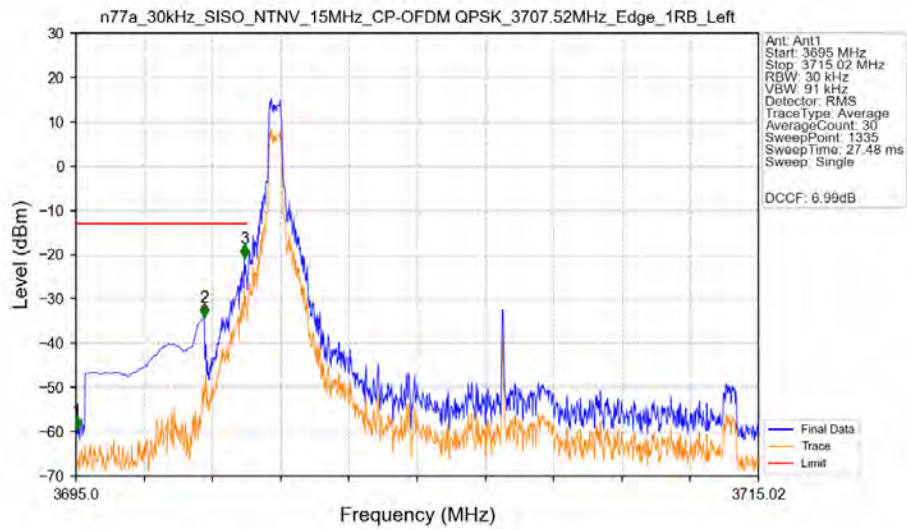
n77a\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3972.48MHz\_Inner\_1RB\_Right\_Ant6



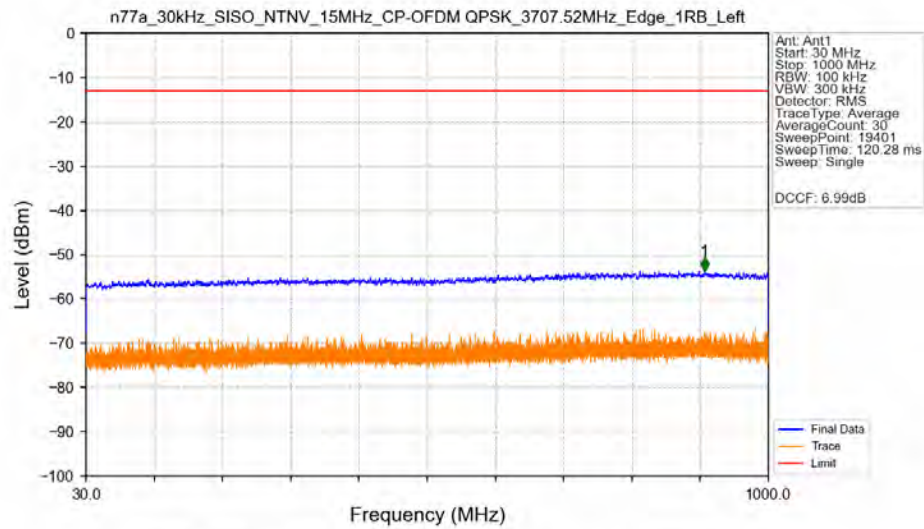
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	1	3980.273	-58.90	-13	Pass
3980.98	3984.98	0.5	CHP	2	3981.698	-31.48	-13	Pass
3984.98	3985	1	CHP	3	3984.985	-57.67	-13	Pass



n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3707.52MHz\_Edge\_1RB\_Left\_Ant6

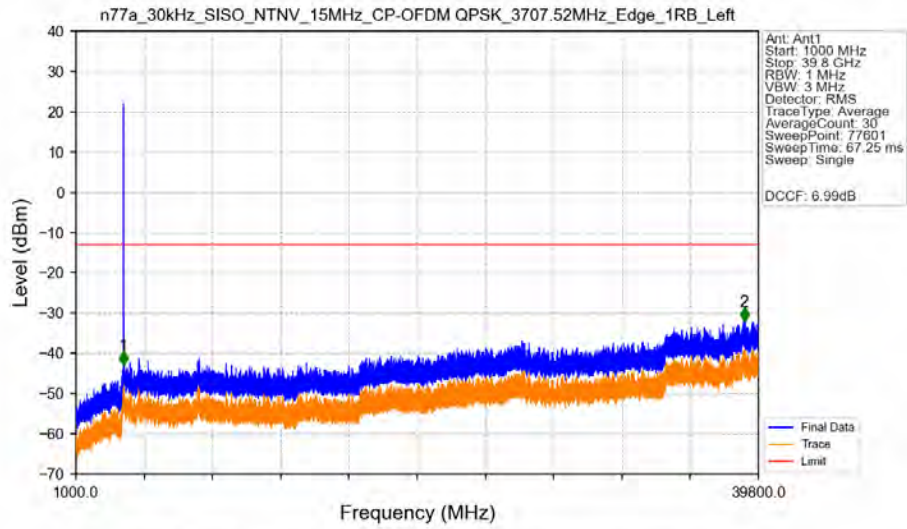


n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3707.52MHz\_Edge\_1RB\_Left\_Ant6



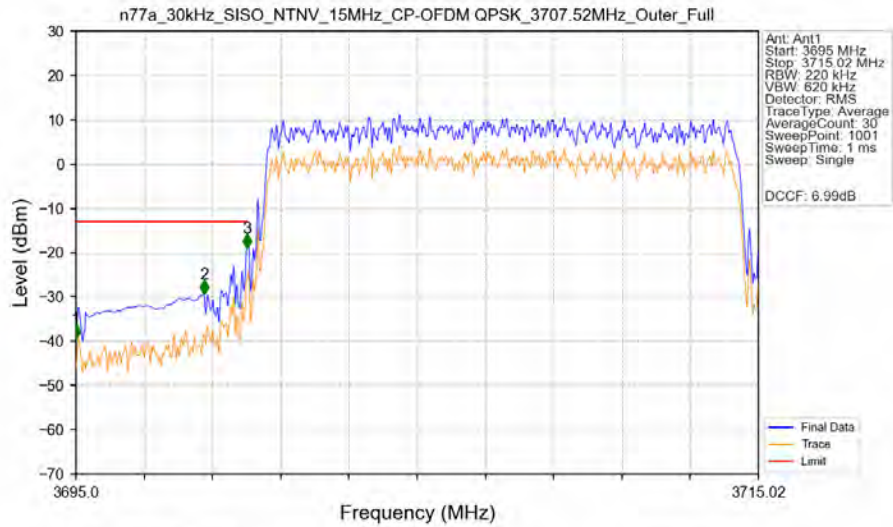


n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3707.52MHz\_Edge\_1RB\_Left\_Ant6



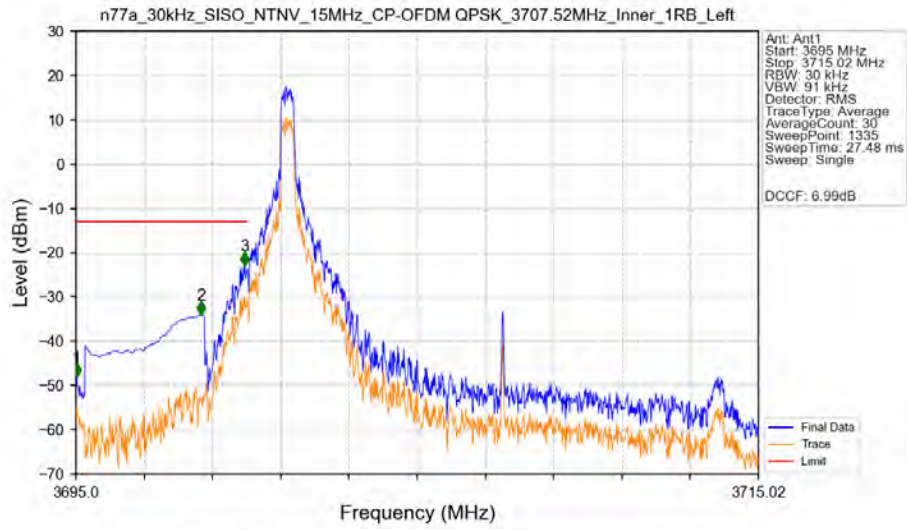
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.02	1	/	1	3693.000	-42.94	-13	Pass
3695.02	3720.02	1	/	/	/	/	/	/
3720.02	39800	1	/	2	39001.000	-32.06	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3707.52MHz\_Outer\_Full\_Ant6

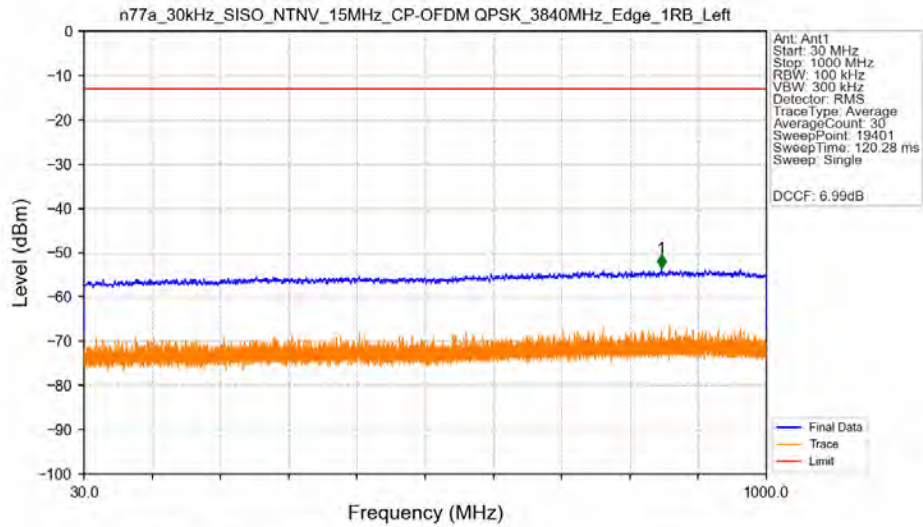


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.000	-39.31	-13	Pass
3695.02	3699.02	0.5	CHP	2	3698.764	-29.31	-13	Pass
3699.02	3700.02	0.22	/	3	3700.005	-18.99	-13	Pass
3700.02	3715.02	0.22	/	/	/	/	/	/

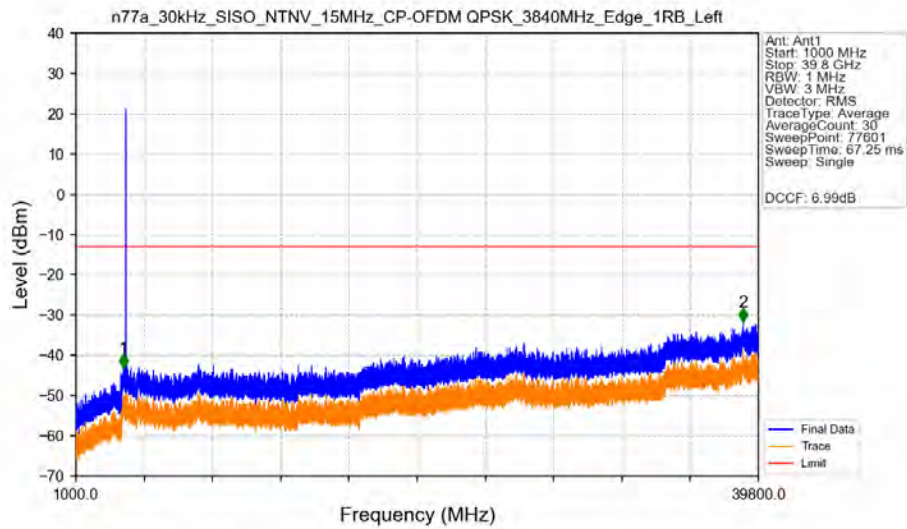
n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3707.52MHz\_Inner\_1RB\_Left\_Ant6



n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6

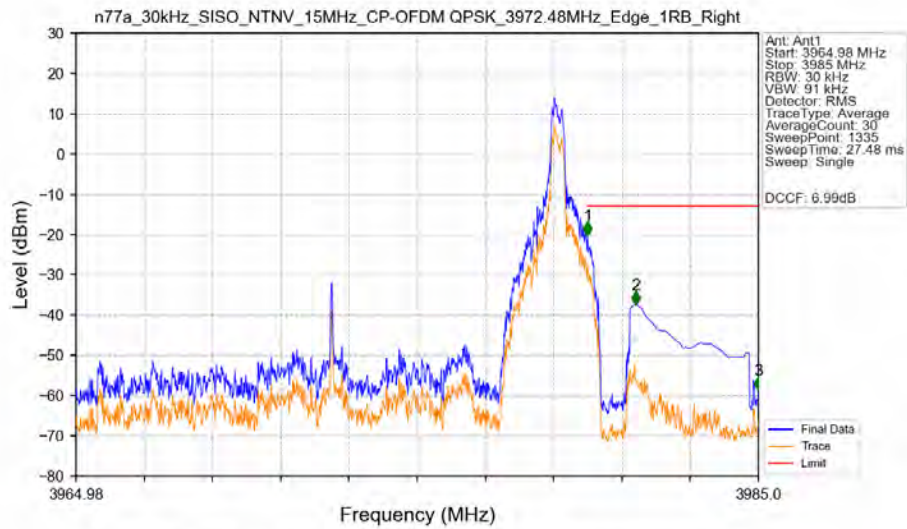


# n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant6



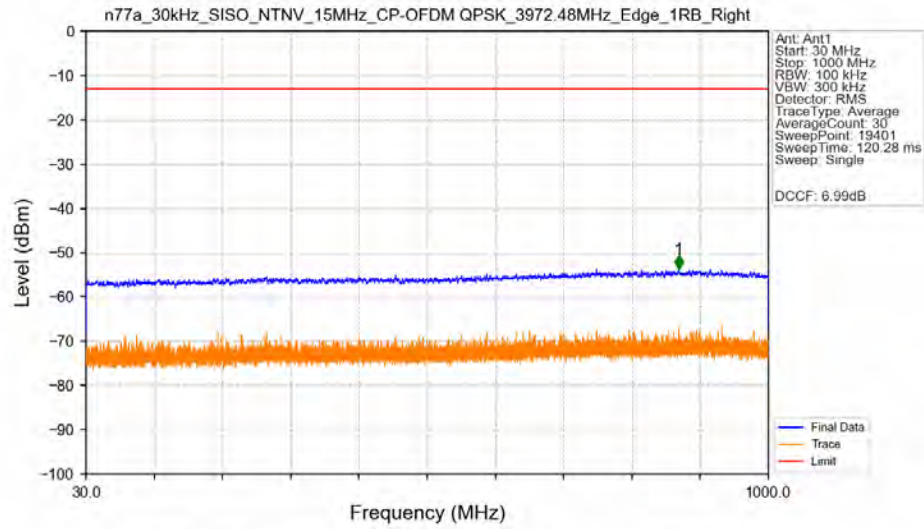
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3827.5	1	/	1	3703.500	-43.14	-13	Pass
3827.5	3852.5	1	/	/	/	/	/	/
3852.5	39800	1	/	2	38947.000	-31.73	-13	Pass

# n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3972.48MHz\_Edge\_1RB\_Right\_Ant6

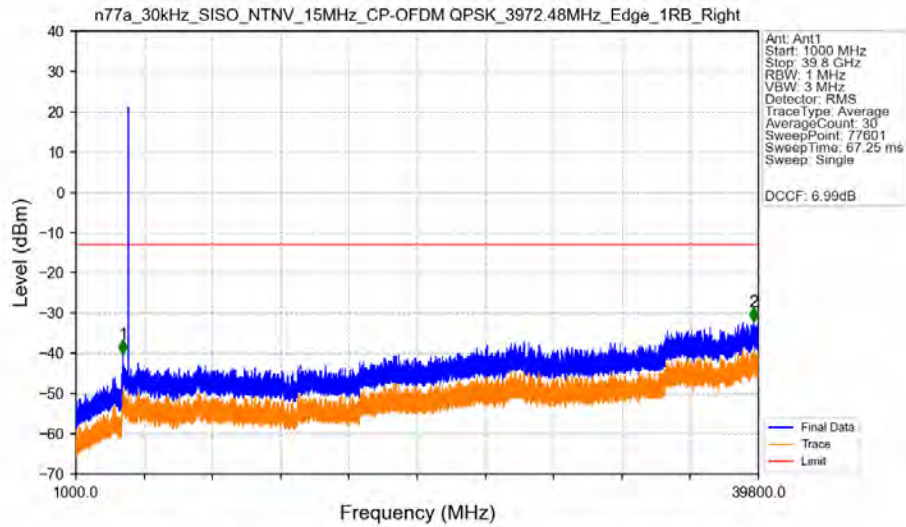


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	1	3979.987	-20.30	-13	Pass
3980.98	3984.98	0.5	CHP	2	3981.398	-37.44	-13	Pass
3984.98	3985	1	CHP	3	3985.000	-58.77	-13	Pass

# n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_QPSK\_3972.48MHz\_Edge\_1RB\_Right\_Ant6

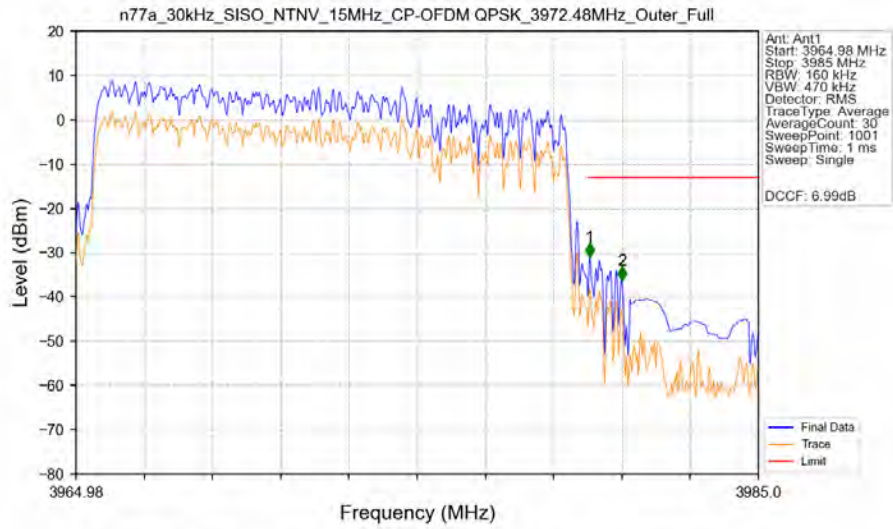


# n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_QPSK\_3972.48MHz\_Edge\_1RB\_Right\_Ant6



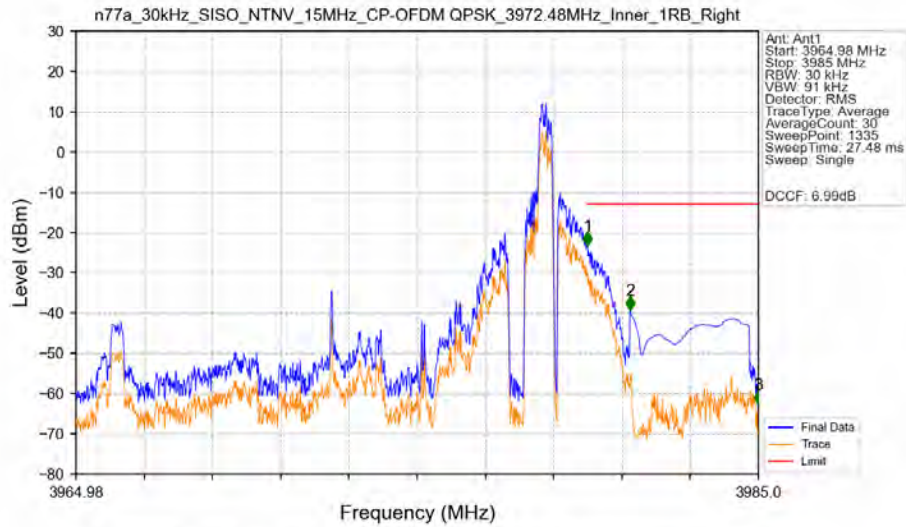


# n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3972.48MHz\_Outer\_Full\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.98	3979.98	0.16	/	/	/	/	/	/
3979.98	3980.98	0.16	/	1	3980.055	-30.94	-13	Pass
3980.98	3984.98	0.5	CHP	2	3980.996	-36.22	-13	Pass

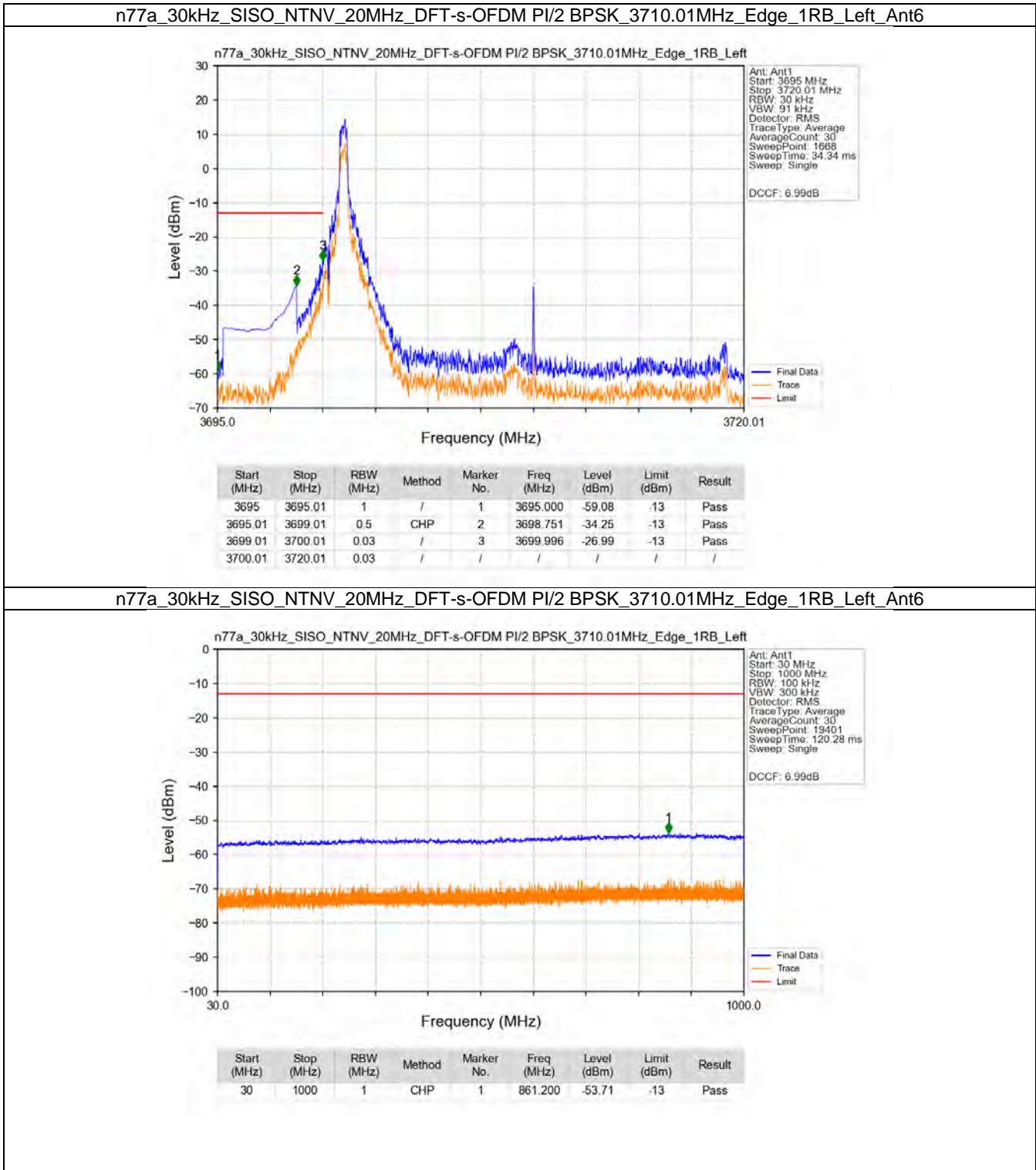
# n77a\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3972.48MHz\_Inner\_1RB\_Right\_Ant6



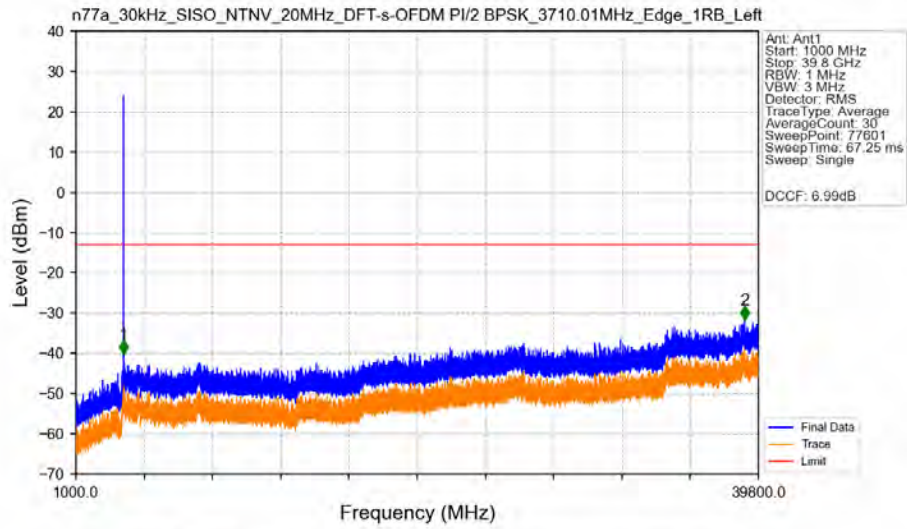
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	1	3979.987	-23.17	-13	Pass
3980.98	3984.98	0.5	CHP	2	3981.233	-39.28	-13	Pass
3984.98	3985	1	CHP	3	3985.000	-62.64	-13	Pass



5.2.3 30k\_SISO\_20MHz\_NTNV

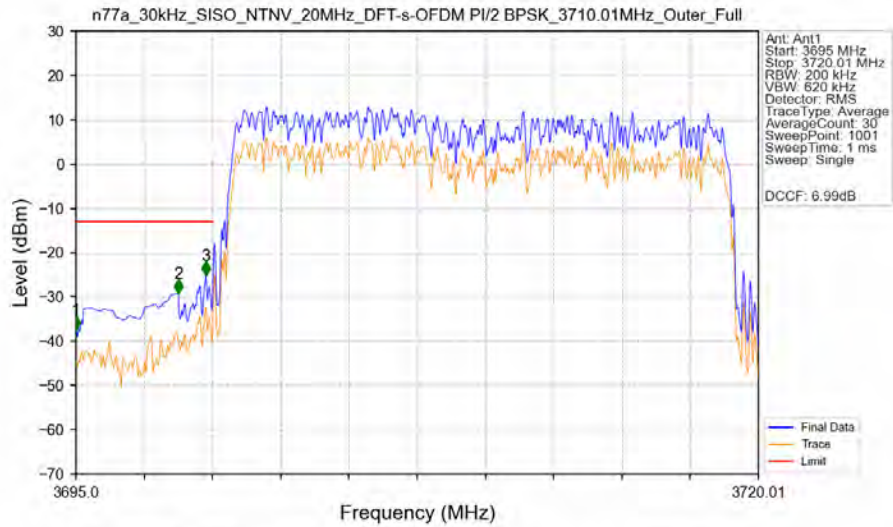


n77a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK 3710.01MHz\_Edge\_1RB\_Left\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.01	1	/	1	3692.500	-40.09	-13	Pass
3695.01	3725.01	1	/	/	/	/	/	/
3725.01	39800	1	/	2	39012.500	-31.73	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK 3710.01MHz\_Outer\_Full\_Ant6



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	/	1	3695.000	-37.29	-13	Pass
3695.01	3699.01	0.5	CHP	2	3698.751	-29.08	-13	Pass
3699.01	3700.01	0.2	/	3	3699.752	-25.13	-13	Pass
3700.01	3720.01	0.2	/	/	/	/	/	/