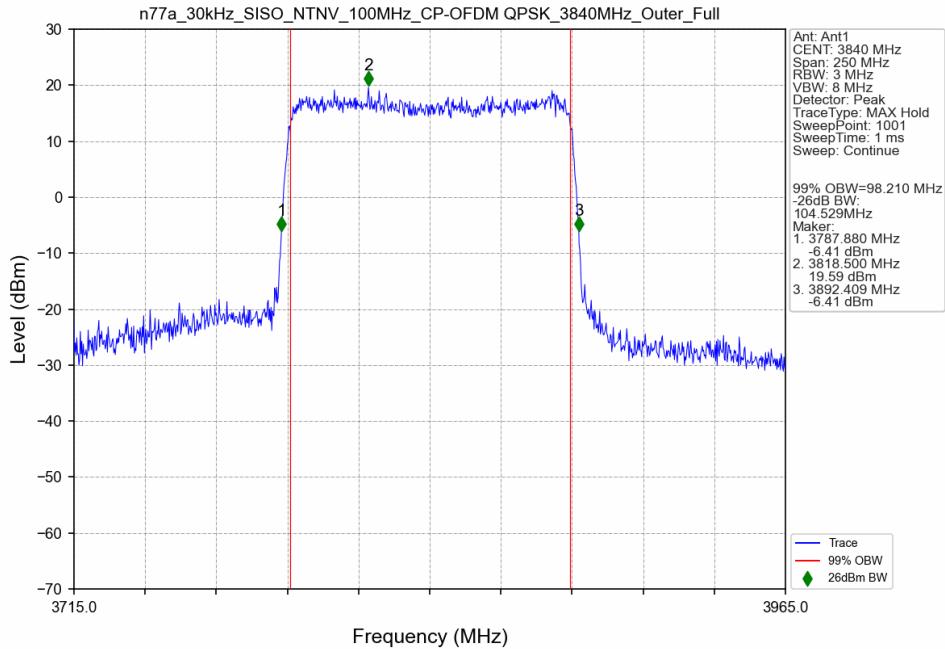
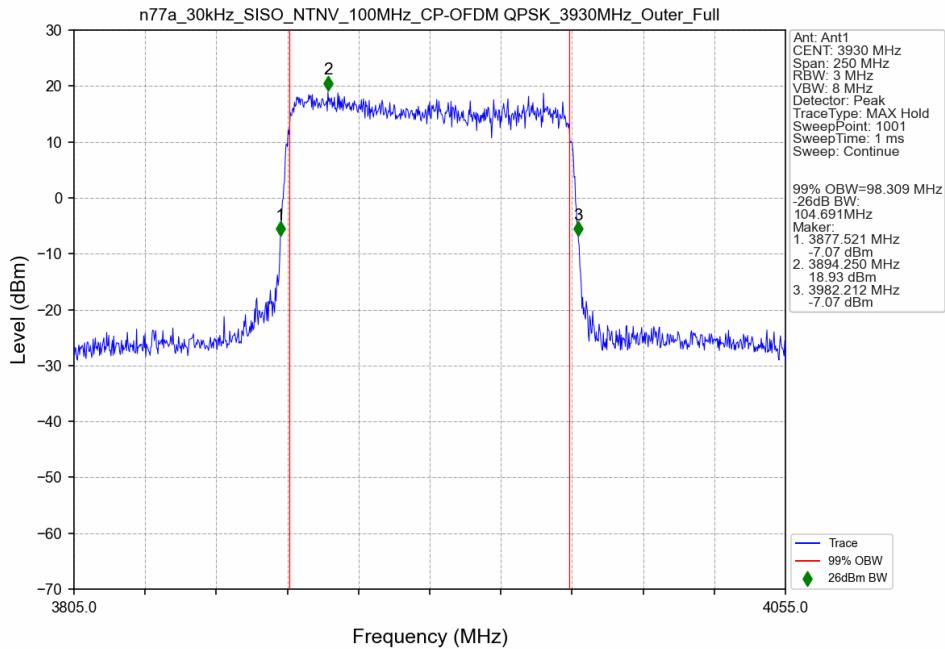


## n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM QPSK\_3840MHz\_Outer\_Full



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



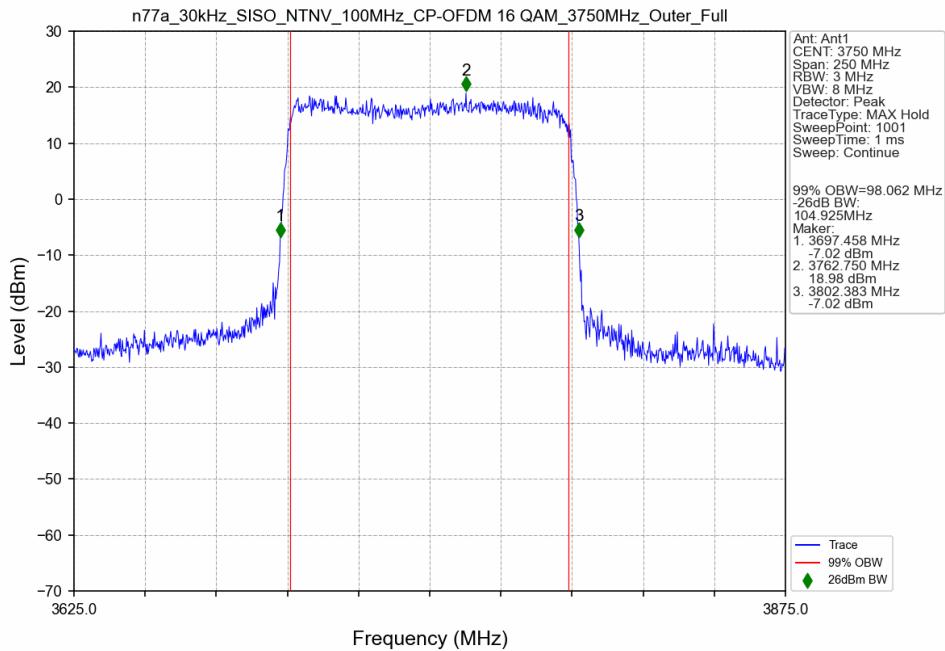
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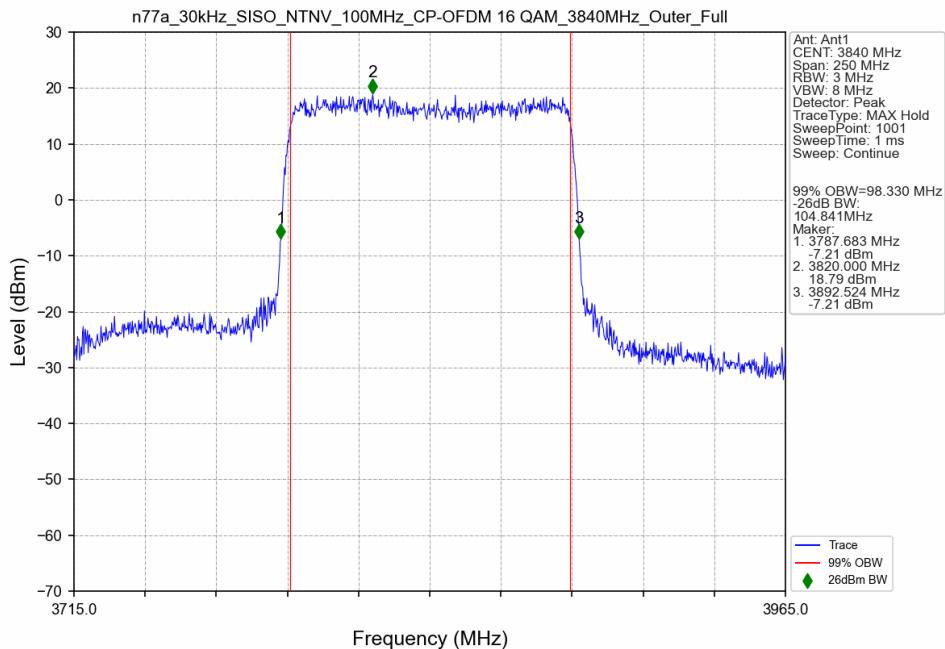
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## n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3750MHz\_Outer\_Full



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

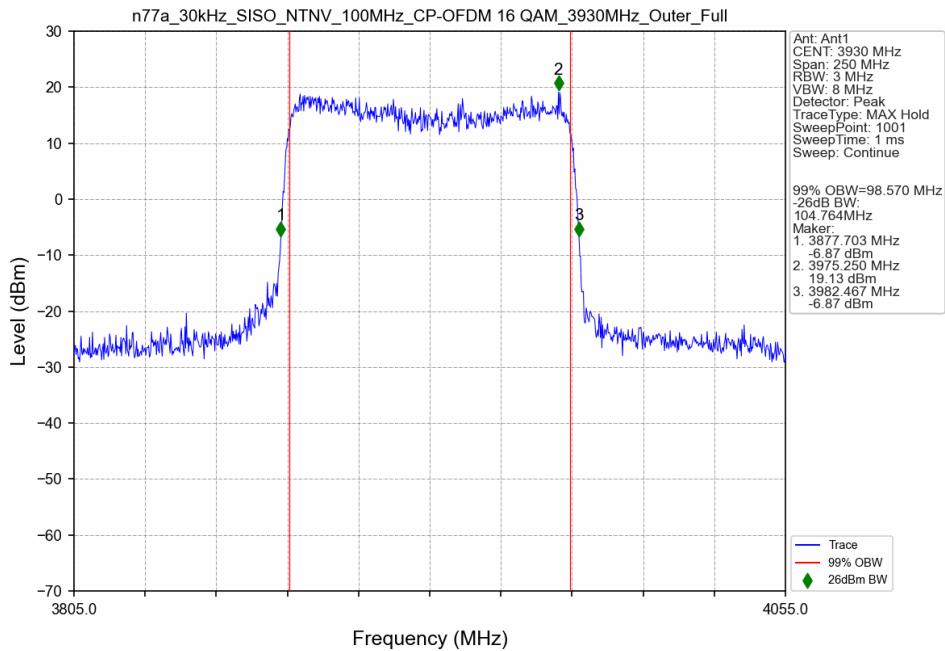


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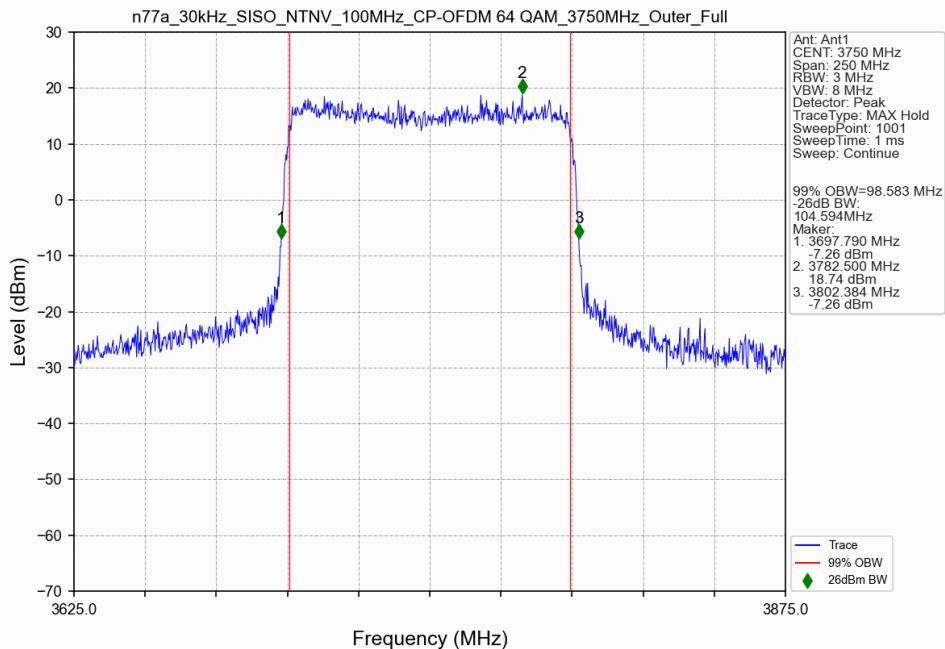
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## n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3930MHz\_Outer\_Full



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

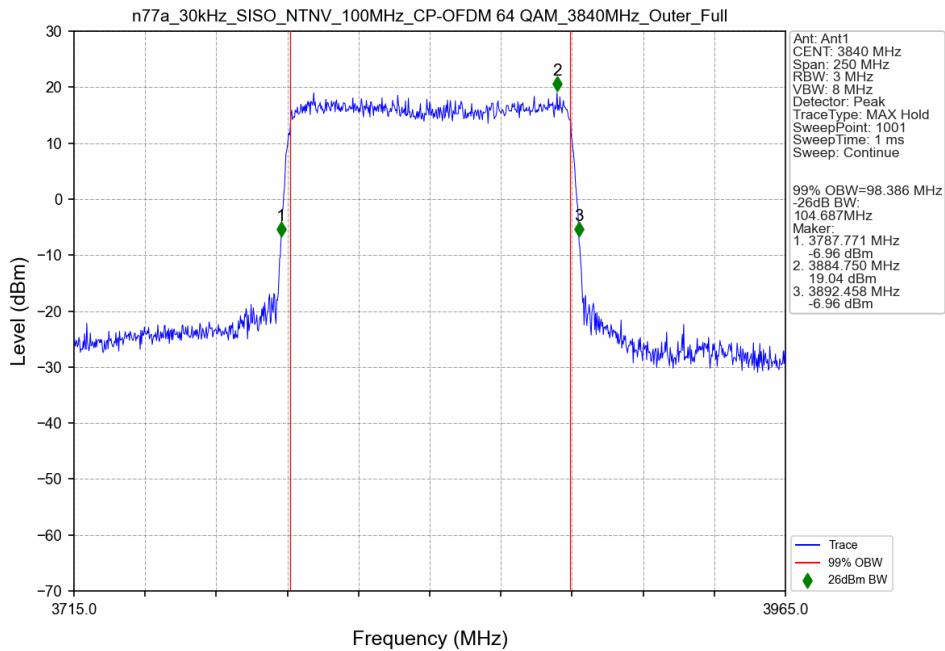


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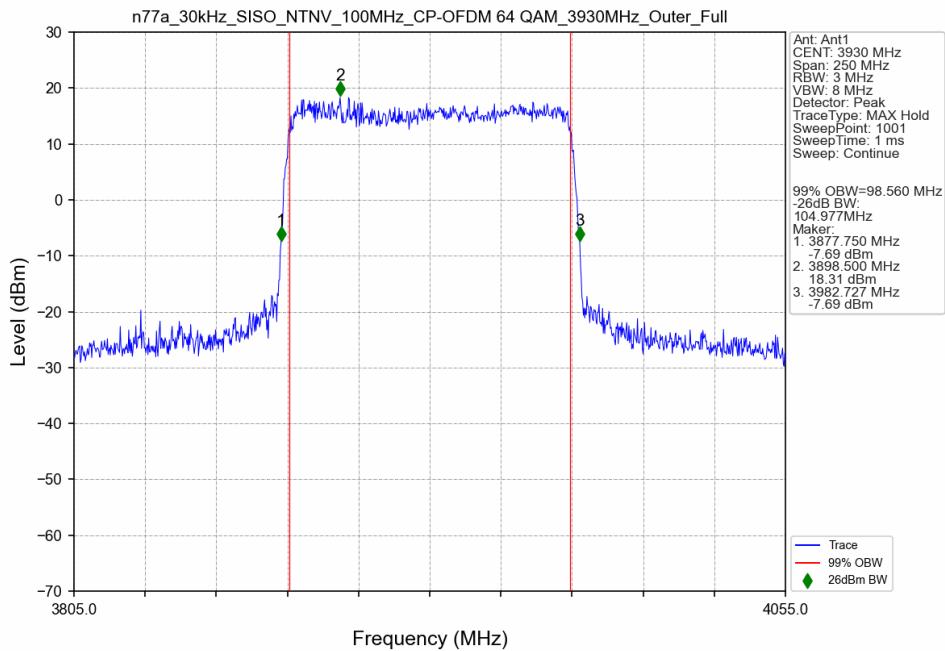
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## n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 64 QAM\_3840MHz\_Outer\_Full



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

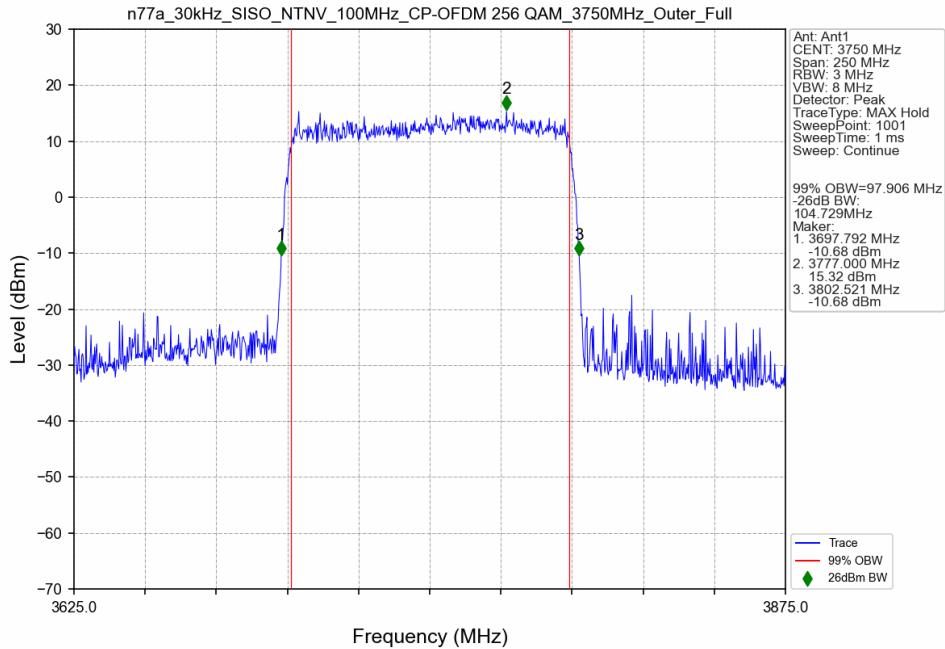


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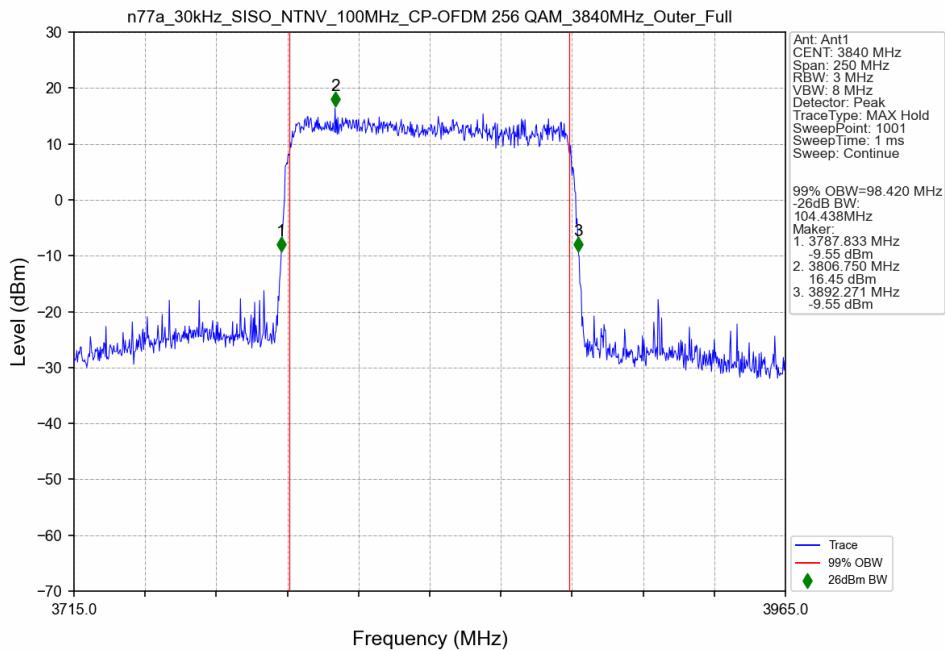
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## n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3750MHz\_Outer\_Full



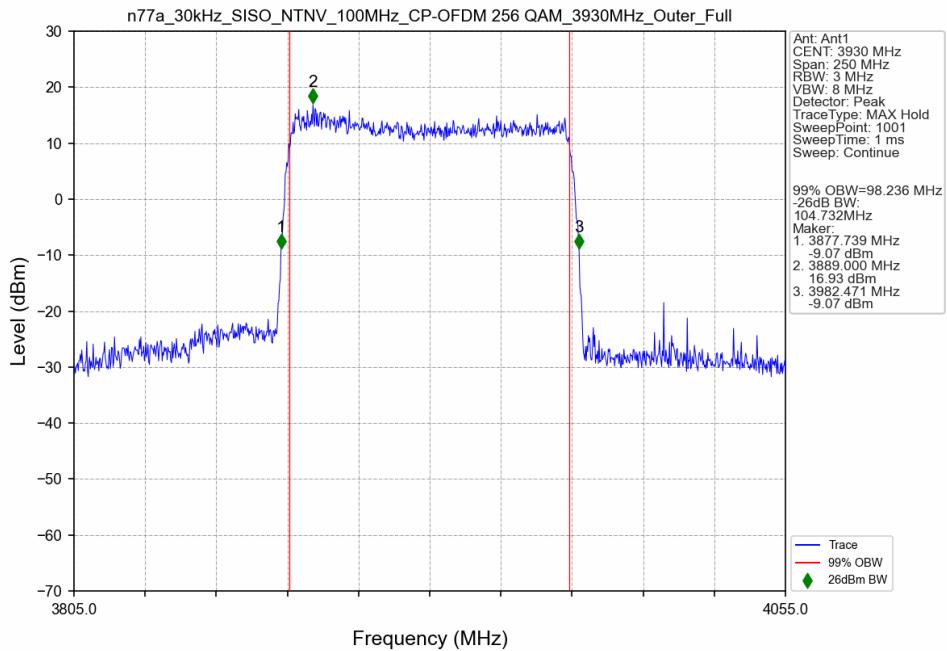
## n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3840MHz\_Outer\_Full



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

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## 4. Peak-Average Ratio

### 4.1 Test Result

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

5G NR n77a SCS=30kHz SISO 100MHz NTVN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	10.51	/	/	<=13	Pass
	3840	Outer_Full	11.84	/	/	<=13	Pass
	3930	Outer_Full	12.80	/	/	<=13	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	12.92	/	/	<=13	Pass
	3840	Outer_Full	10.75	/	/	<=13	Pass
	3930	Outer_Full	11.18	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	11.25	/	/	<=13	Pass
	3840	Outer_Full	10.96	/	/	<=13	Pass
	3930	Outer_Full	10.89	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	11.32	/	/	<=13	Pass
	3840	Outer_Full	11.77	/	/	<=13	Pass
	3930	Outer_Full	10.87	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	11.06	/	/	<=13	Pass
	3840	Outer_Full	11.29	/	/	<=13	Pass
	3930	Outer_Full	12.86	/	/	<=13	Pass
CP-OFDM QPSK	3750	Outer_Full	11.87	/	/	<=13	Pass
	3840	Outer_Full	11.89	/	/	<=13	Pass
	3930	Outer_Full	11.79	/	/	<=13	Pass
CP-OFDM 16 QAM	3750	Outer_Full	11.56	/	/	<=13	Pass
	3840	Outer_Full	11.43	/	/	<=13	Pass
	3930	Outer_Full	11.61	/	/	<=13	Pass
CP-OFDM 64 QAM	3750	Outer_Full	11.90	/	/	<=13	Pass
	3840	Outer_Full	12.74	/	/	<=13	Pass
	3930	Outer_Full	11.87	/	/	<=13	Pass
CP-OFDM 256 QAM	3750	Outer_Full	12.03	/	/	<=13	Pass
	3840	Outer_Full	11.70	/	/	<=13	Pass
	3930	Outer_Full	11.99	/	/	<=13	Pass

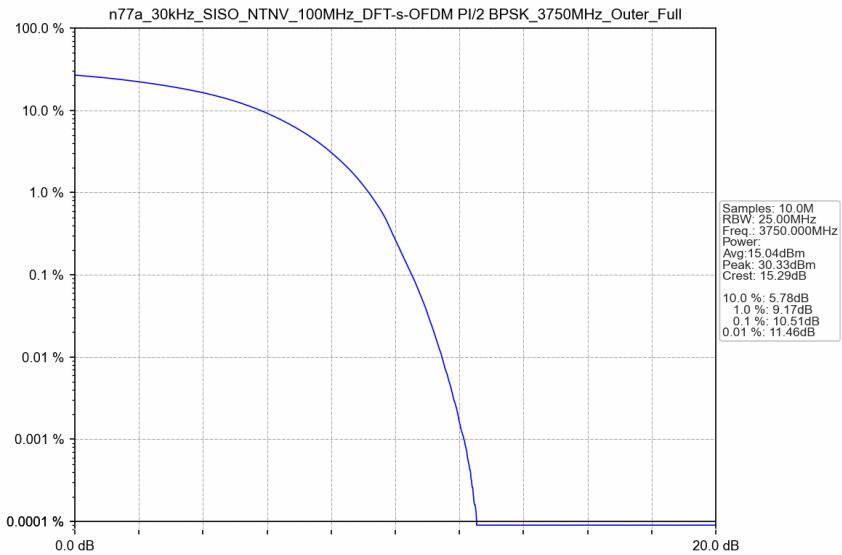
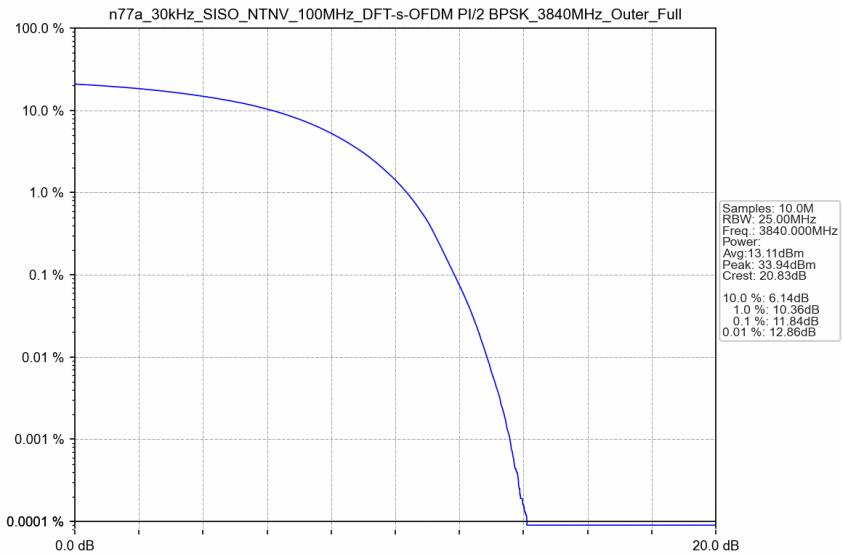
### 4.2 Test Graph



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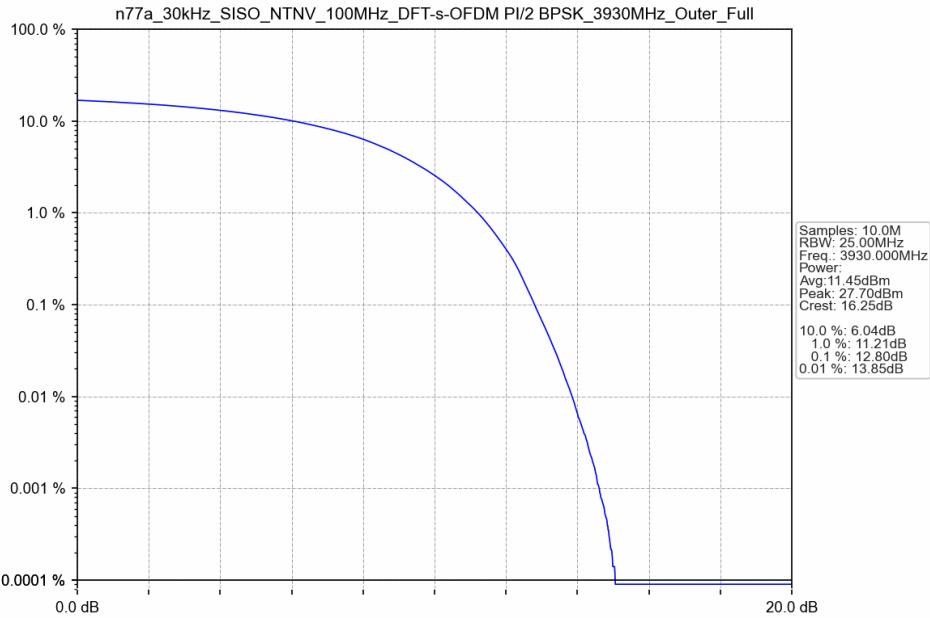
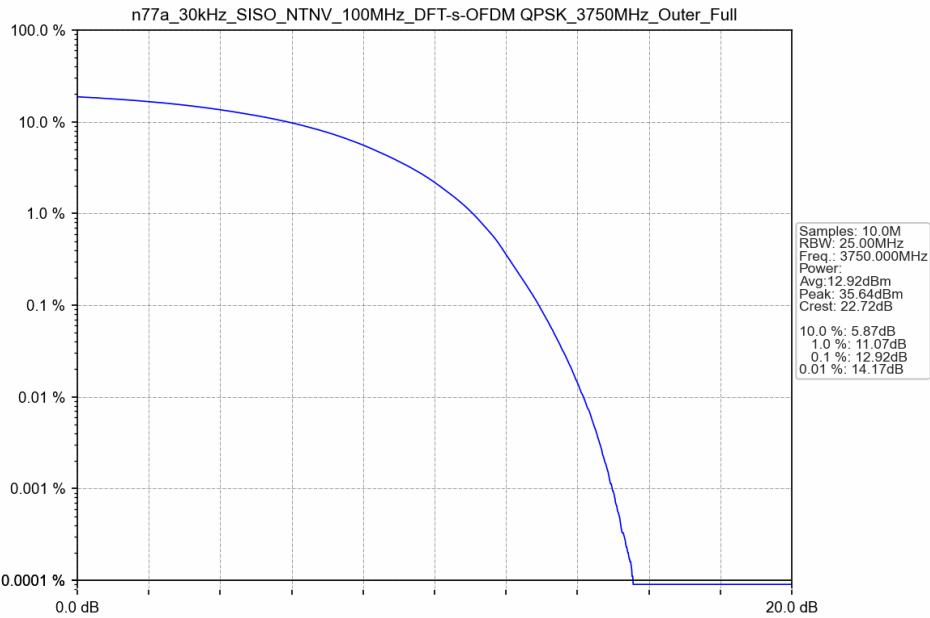
**4.2.1 30k\_SISO\_100MHz\_NTNV****n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM PI/2 BPSK\_3750MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Outer\_Full**

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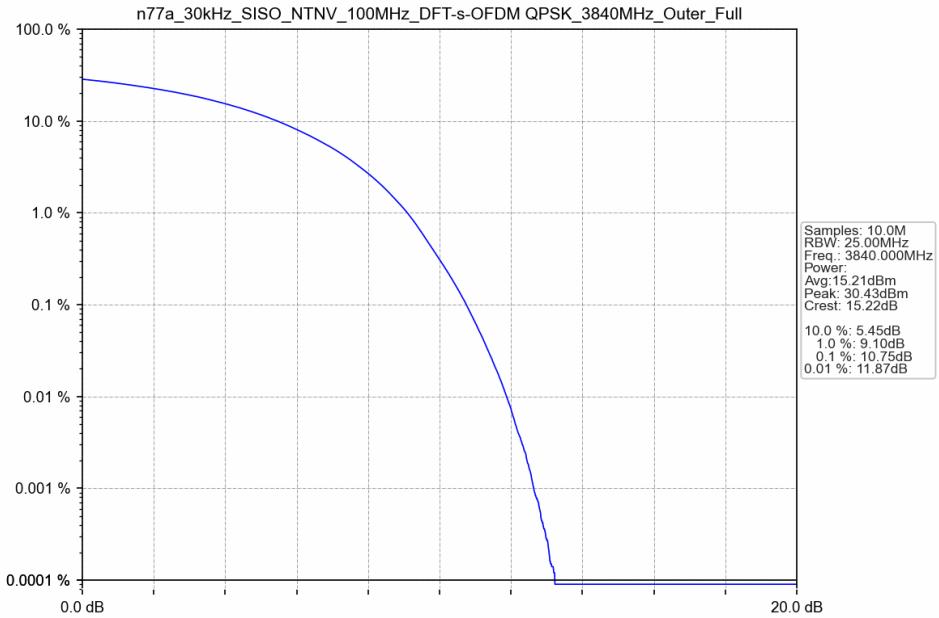
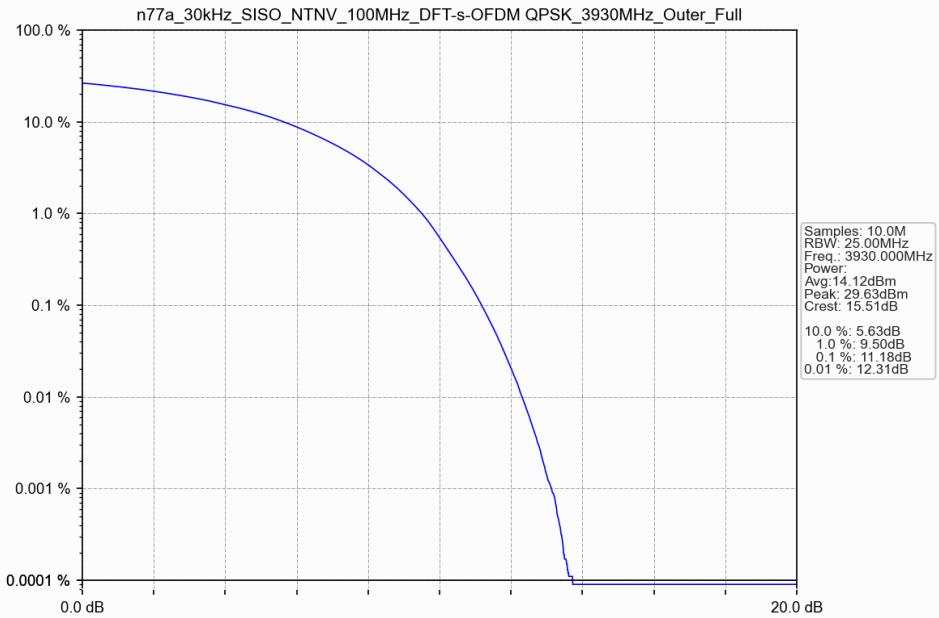
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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM PI/2 BPSK\_3930MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3750MHz\_Outer\_Full**

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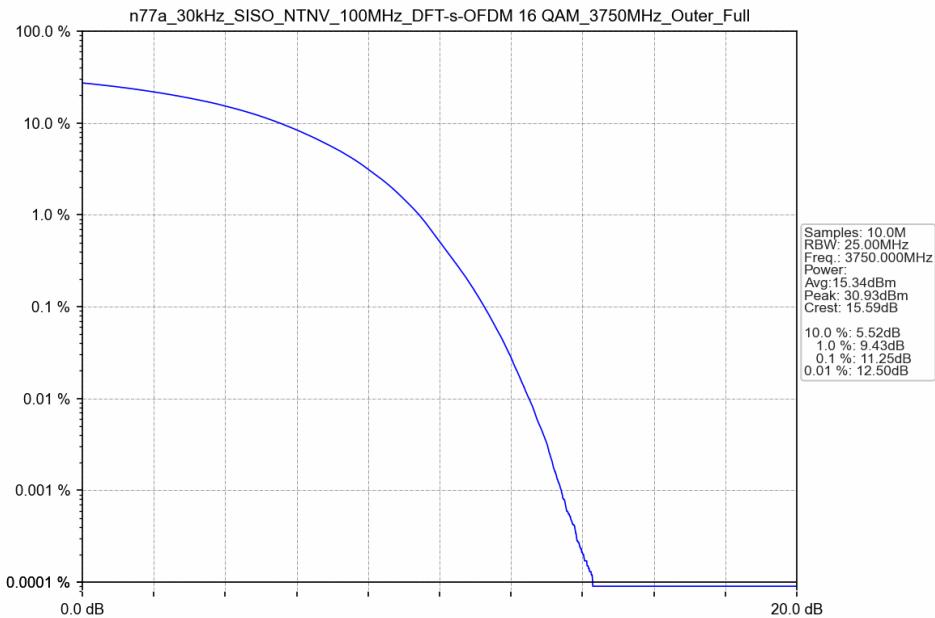
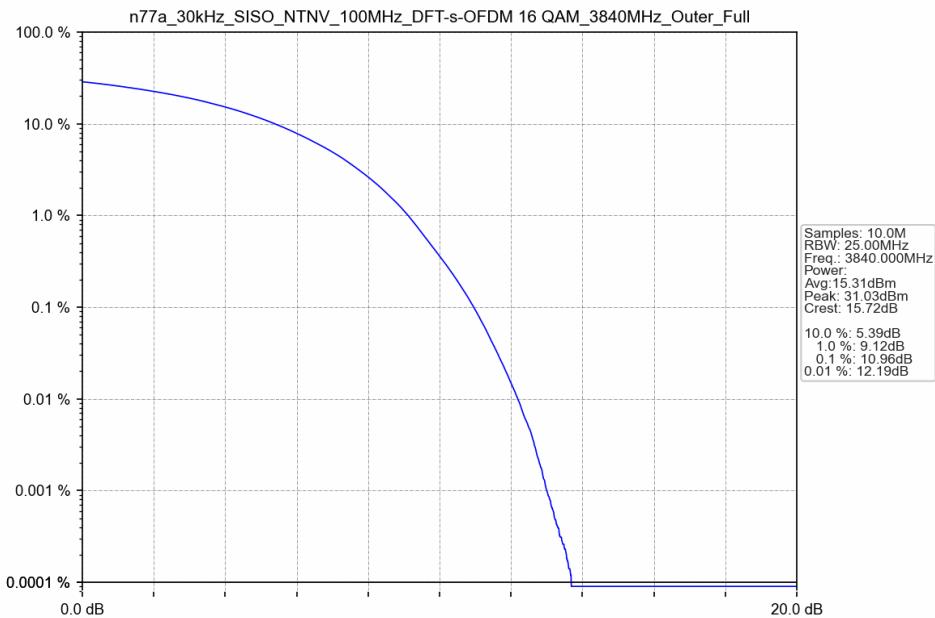
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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3840MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3930MHz\_Outer\_Full**

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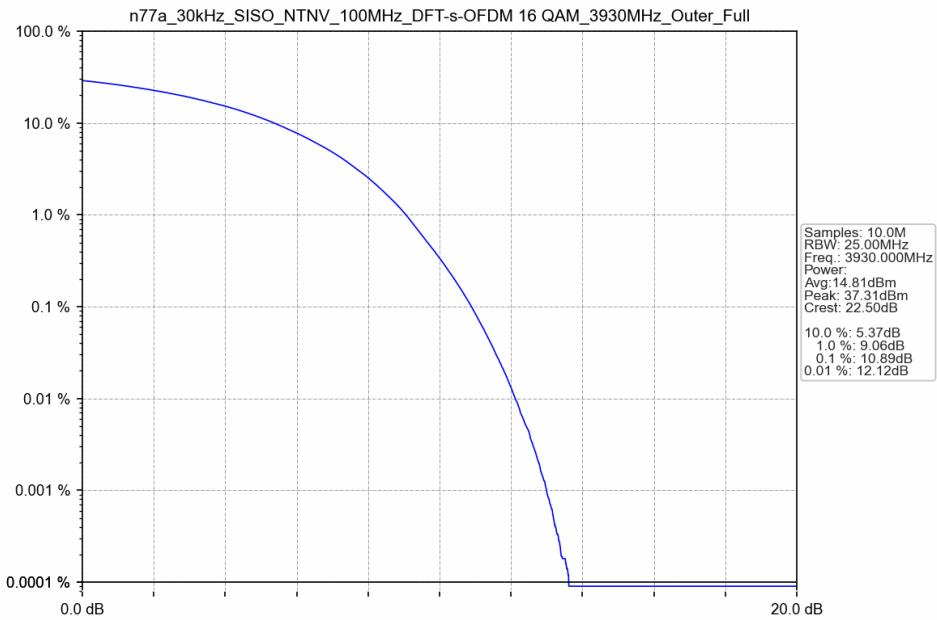
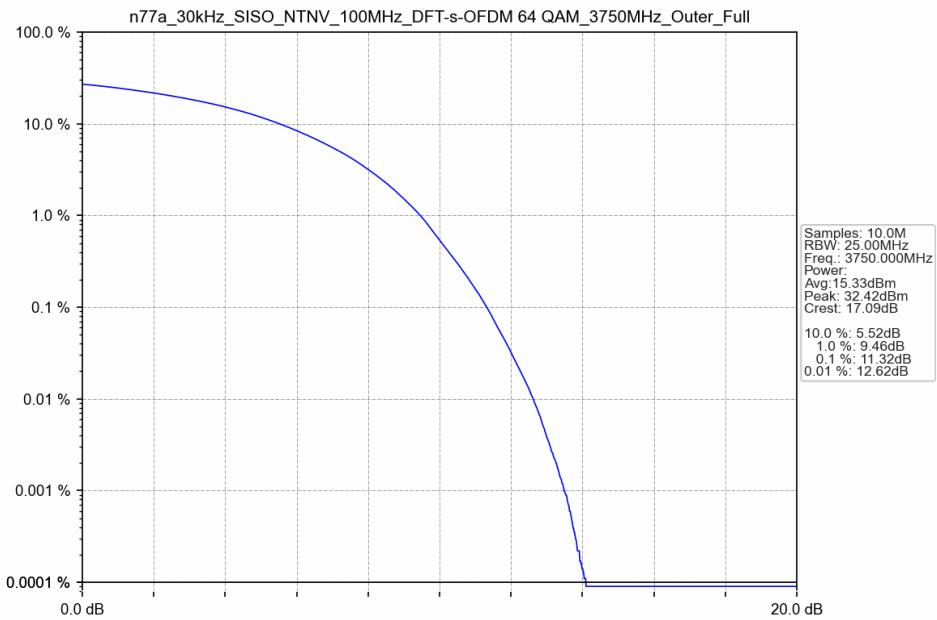
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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 16 QAM\_3750MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 16 QAM\_3840MHz\_Outer\_Full**

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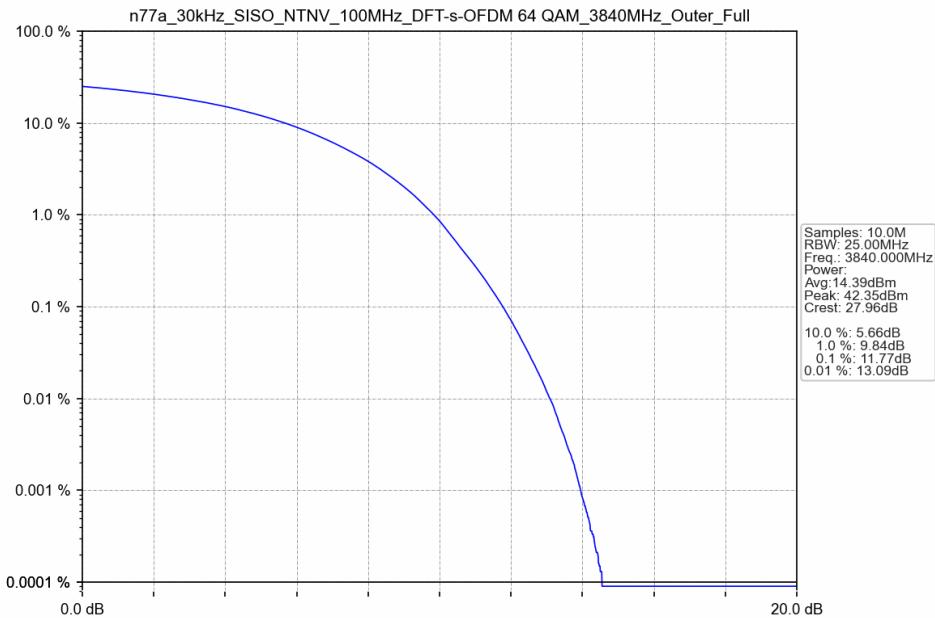
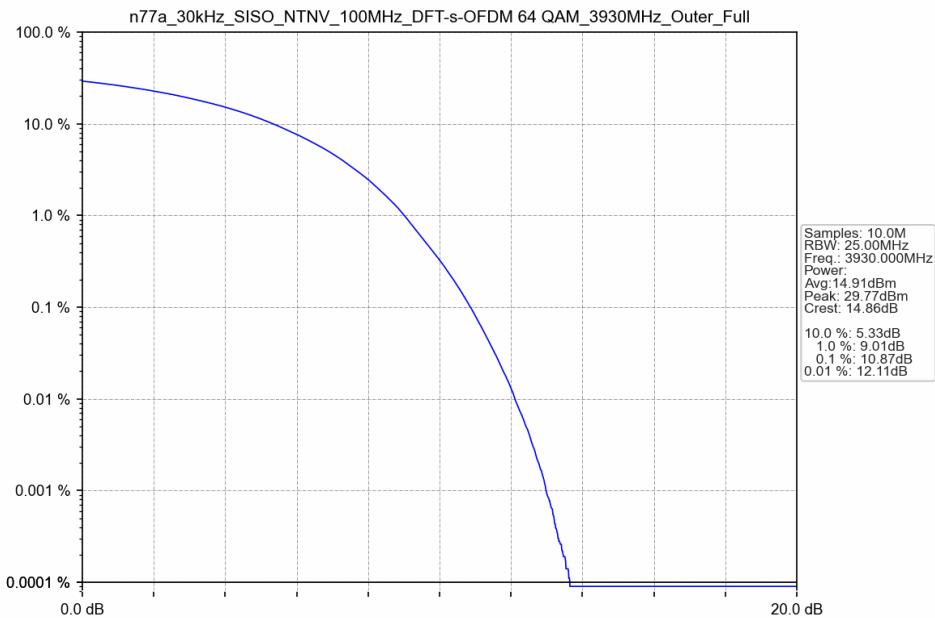
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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 16 QAM\_3930MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 64 QAM\_3750MHz\_Outer\_Full**

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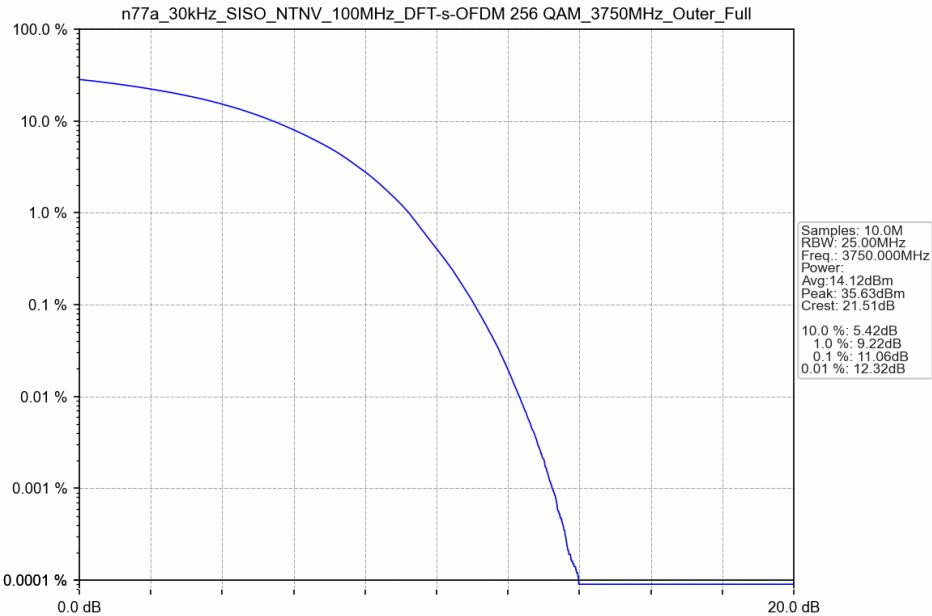
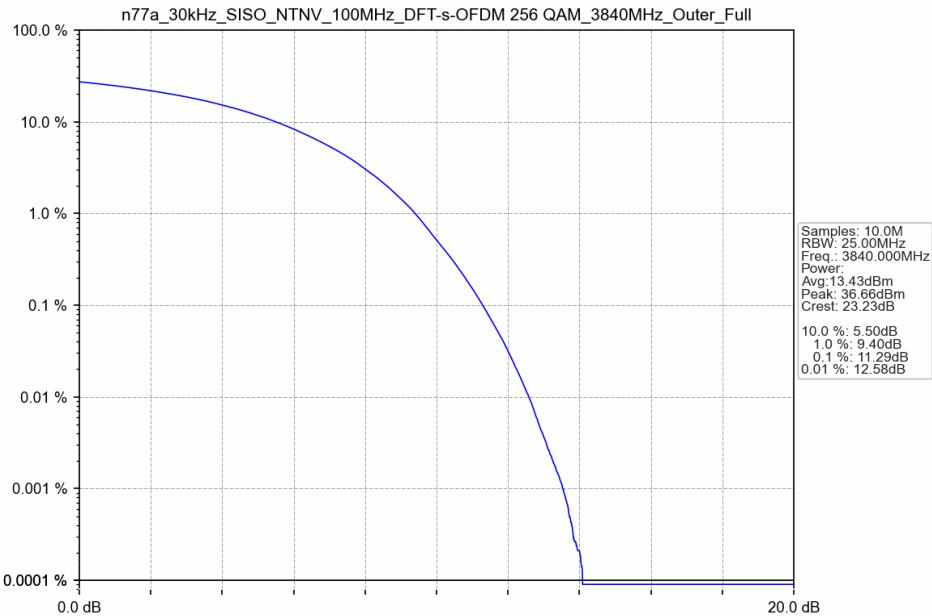
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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 64 QAM\_3840MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 64 QAM\_3930MHz\_Outer\_Full**

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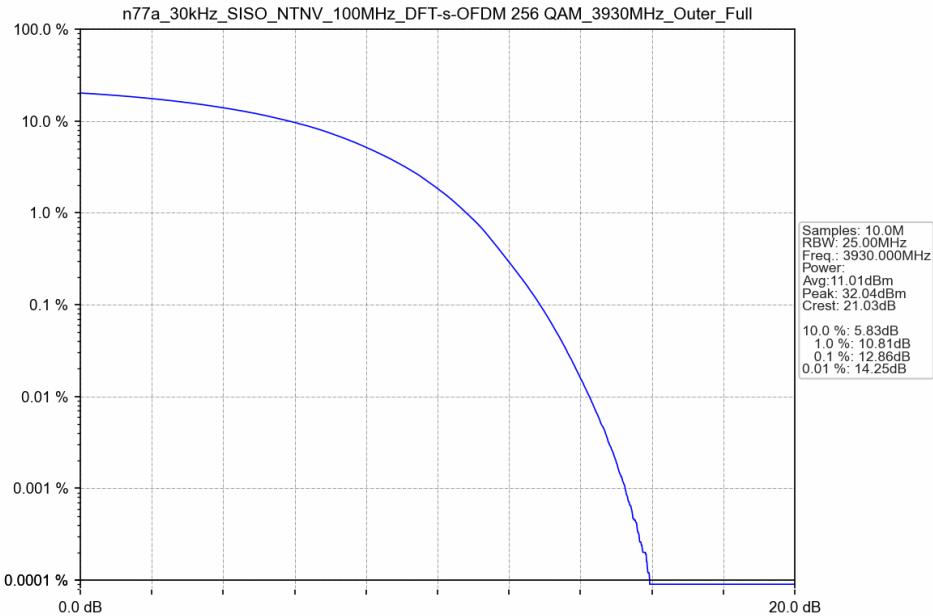
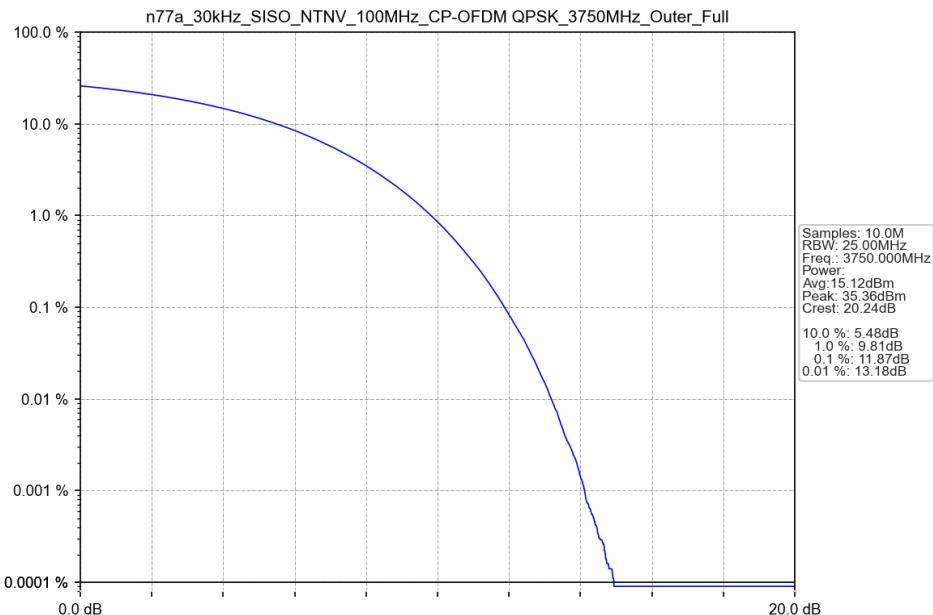
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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 256 QAM\_3750MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 256 QAM\_3840MHz\_Outer\_Full**

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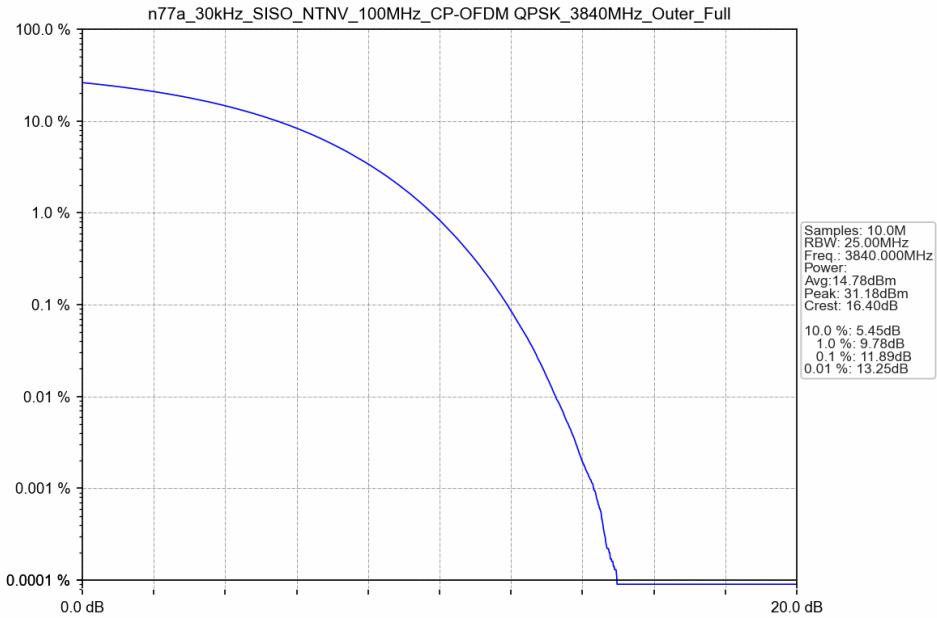
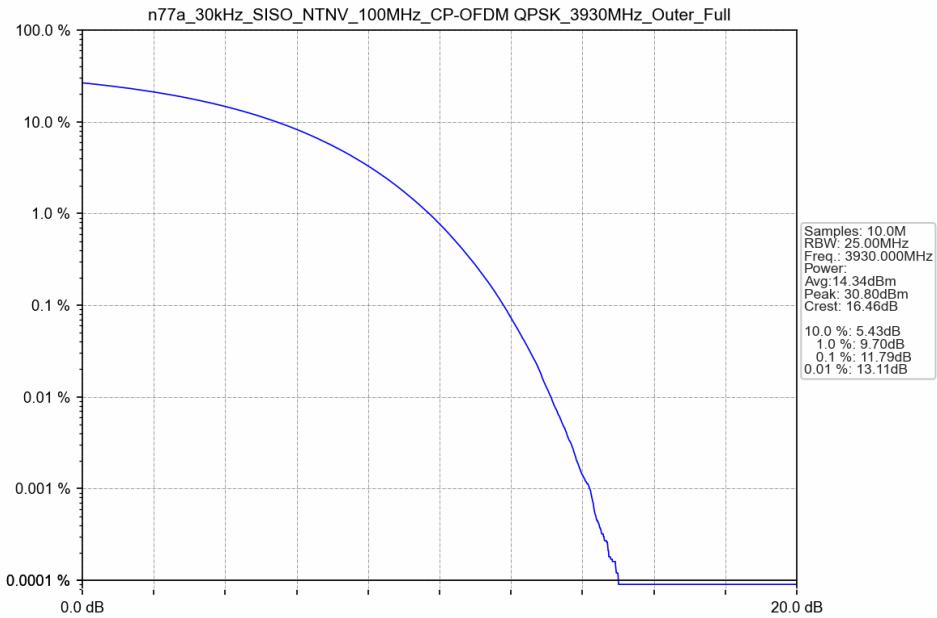
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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 256 QAM\_3930MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM QPSK\_3750MHz\_Outer\_Full**

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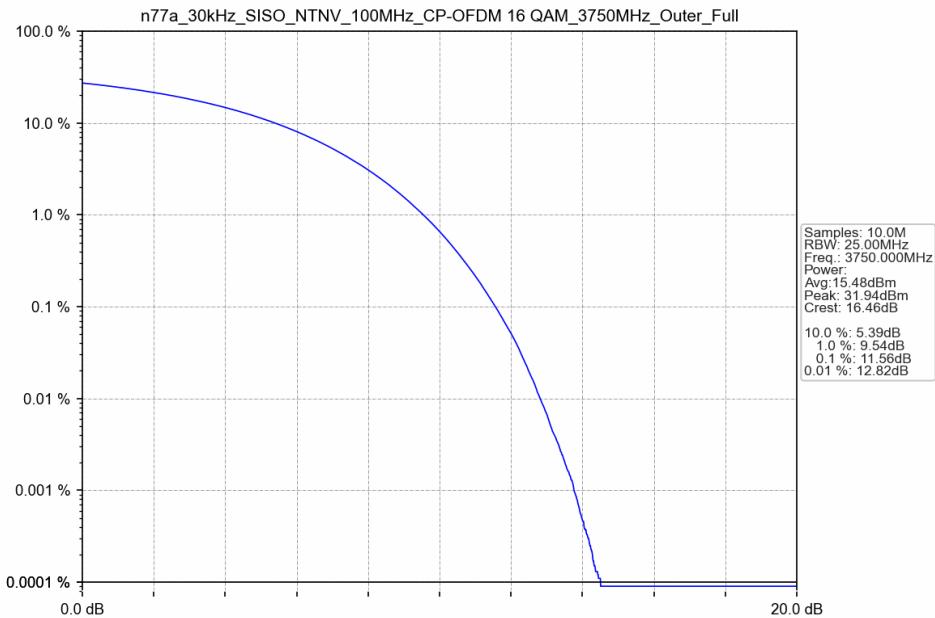
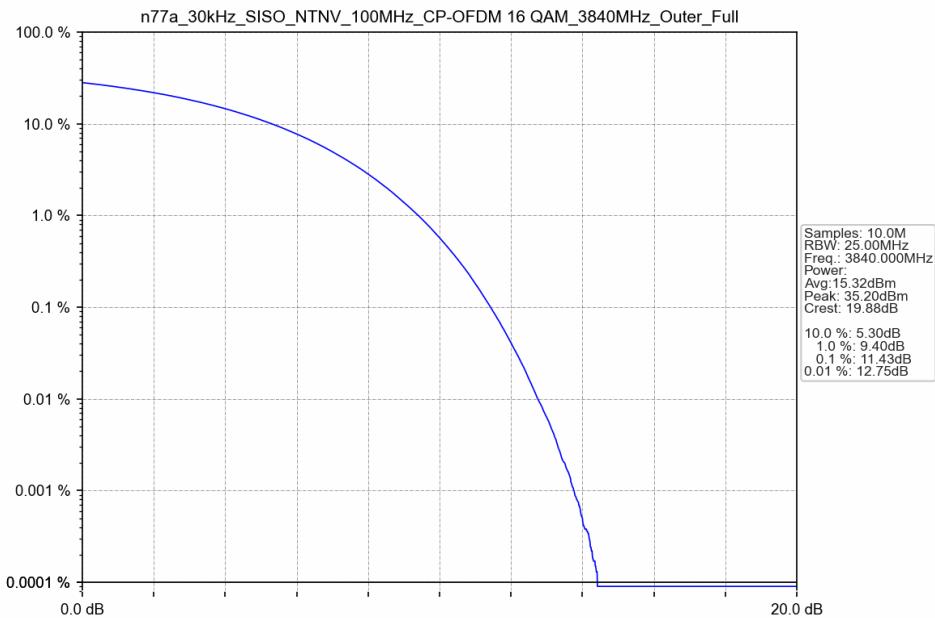
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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM QPSK\_3840MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM QPSK\_3930MHz\_Outer\_Full**

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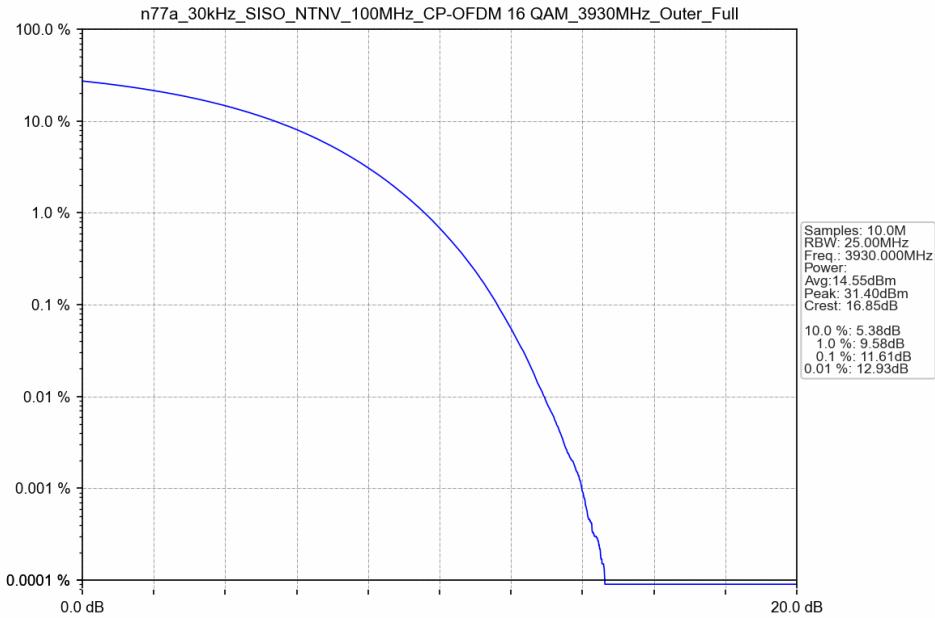
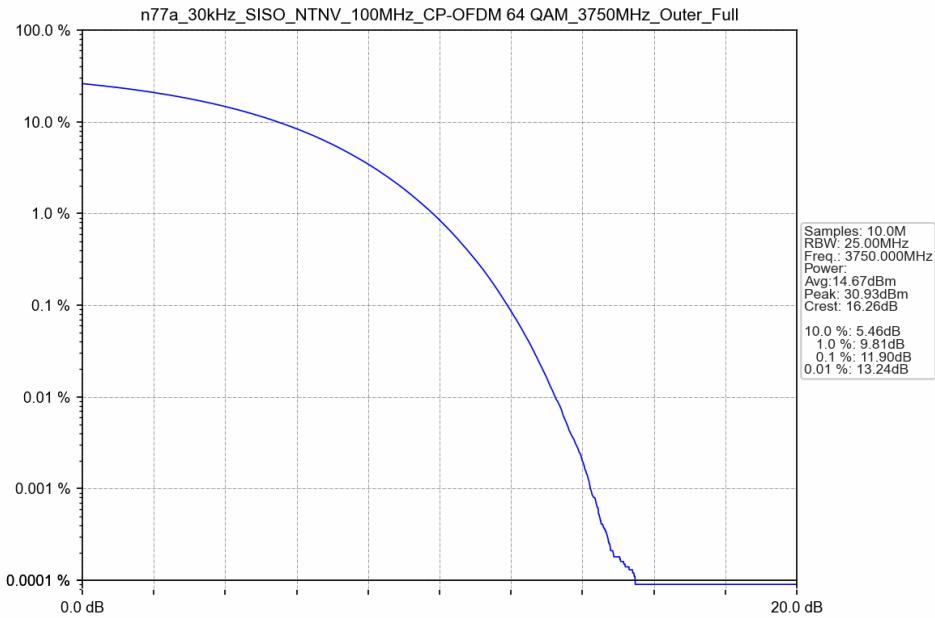
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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3750MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3840MHz\_Outer\_Full**

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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3930MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 64 QAM\_3750MHz\_Outer\_Full**

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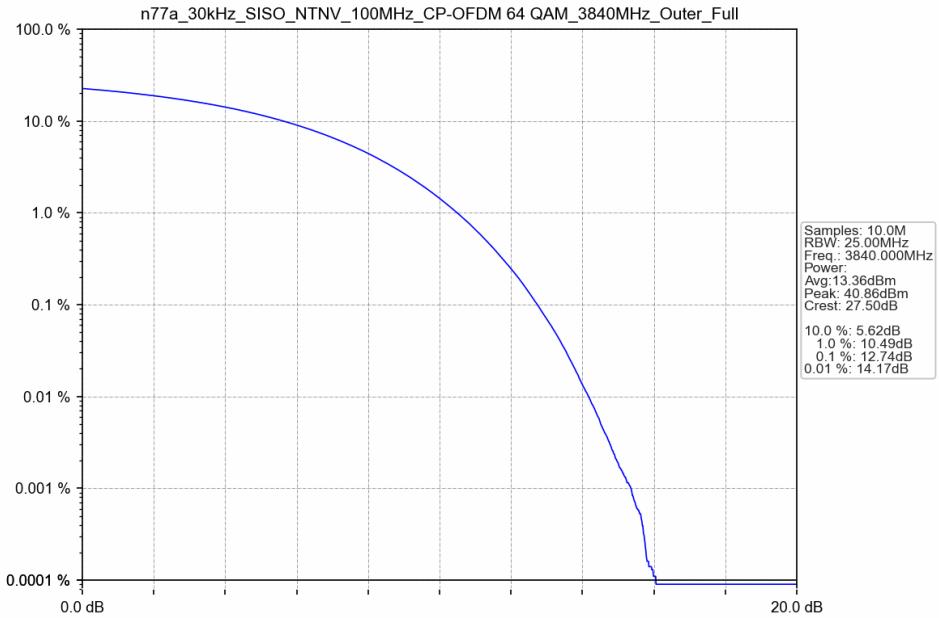
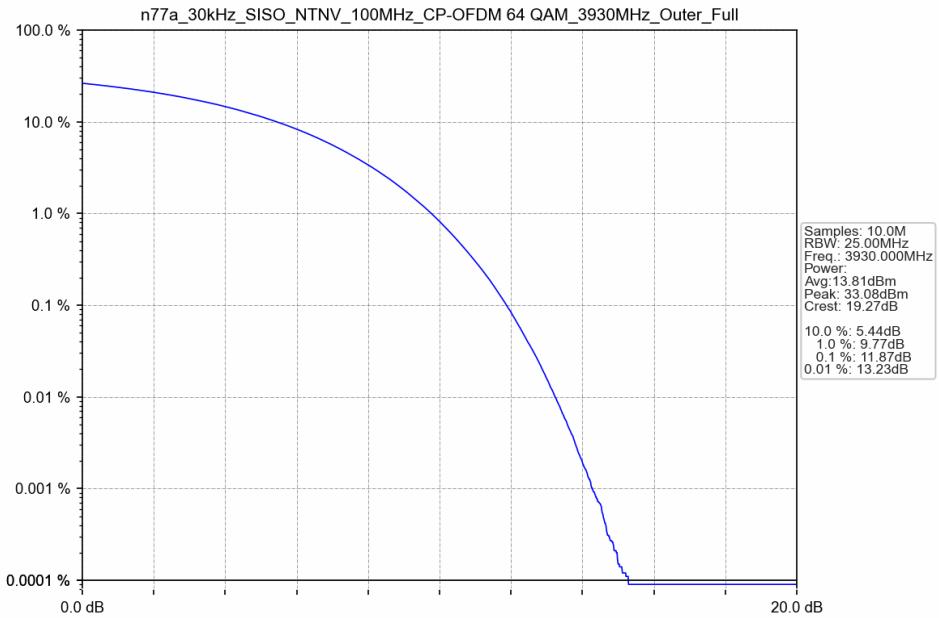
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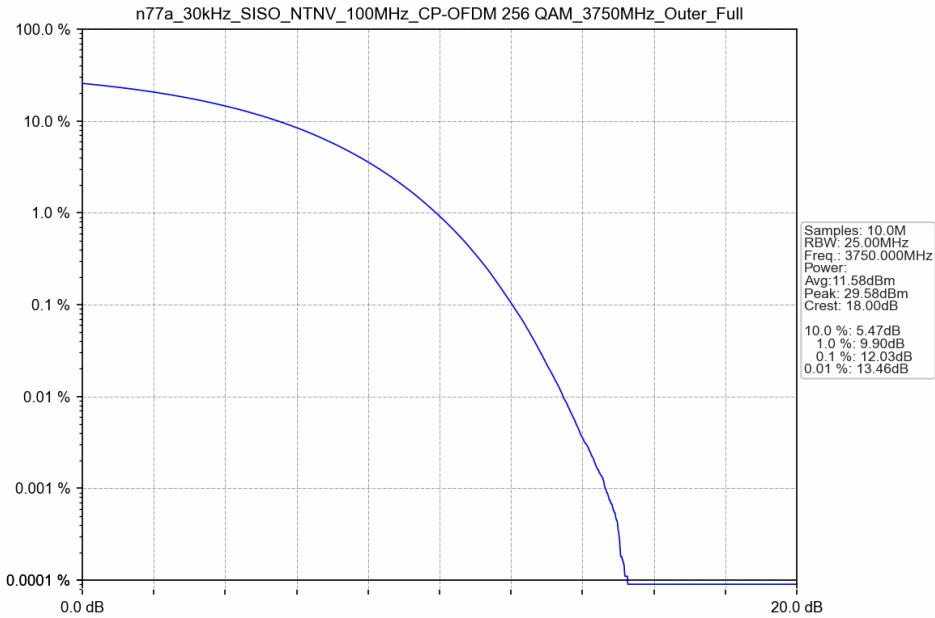
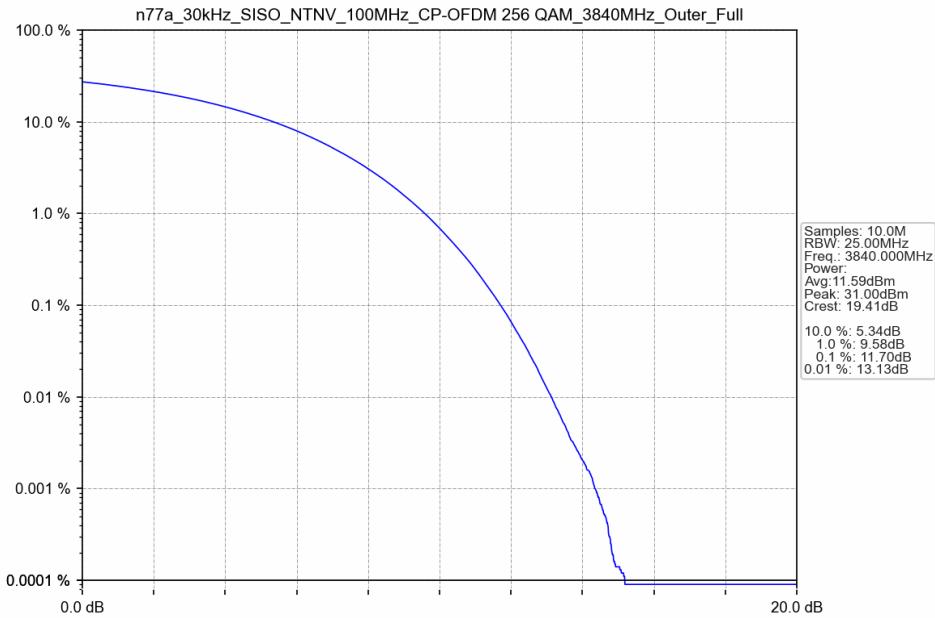
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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 64 QAM\_3840MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 64 QAM\_3930MHz\_Outer\_Full**

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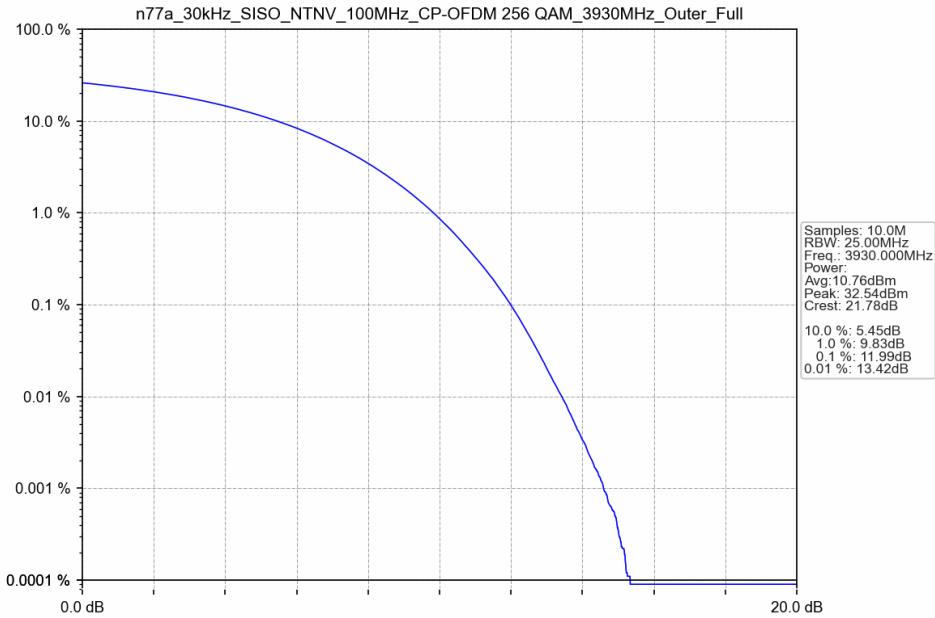
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**n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3750MHz\_Outer\_Full****n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3840MHz\_Outer\_Full**

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

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## 5. Spurious Emission

### 5.1 Test Result

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

5G NR n77a SCS=30kHz SISO 10MHz NTVN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
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
DFT-s-OFDM QPSK	3975	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_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
CP-OFDM QPSK	3975	Inner_1RB_Right	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
	3705	Inner_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
CP-OFDM QPSK	3840	Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass
	3705	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
CP-OFDM QPSK	3975	Edge_1RB_Left	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 NTVN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM PI/2	3707.52	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
	3840	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
	3972.48	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
		Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
CP-OFDM QPSK	3707.52	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
	3972.48	Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass

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

5G NR n77a SCS=30kHz SISO 20MHz NTV						Verdict
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			
			Ant1	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
	3969.99	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	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
DFT-s-OFDM QPSK	3969.99	Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	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

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		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	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
		Inner_1RB_Right	Refer To Test Graph	Pass

### 5.1.4 30k\_SISO\_30MHz\_NTNV

5G NR n77a SCS=30kHz SISO 30MHz NTVN						Verdict
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			
			Ant1	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			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
CP-OFDM QPSK	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

### 5.1.5 30k\_SISO\_40MHz\_NTNV



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5G NR n77a SCS=30kHz SISO 40MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	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
		Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	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
		Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	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
		Inner_1RB_Right	Refer To Test Graph				Pass

### 5.1.6 30k\_SISO\_50MHz\_NTV

5G NR n77a SCS=30kHz SISO 50MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	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
	3954.99	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	3725.01	Edge_1RB_Left	Refer To Test Graph				Pass



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	3840	Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
	3954.99	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	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
	3954.99	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass

### 5.1.7 30k\_SISO\_60MHz\_NTNV

5G NR n77a SCS=30kHz SISO 60MHz NTNV						Verdict
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			
			Ant1	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
		Inner_1RB_Right	Refer To Test Graph			Pass
DFT-s-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
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

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		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass

### 5.1.8 30k\_SISO\_70MHz\_NTNV

5G NR n77a SCS=30kHz SISO 70MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	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
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3945	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3735	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	3945	Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
	3735	Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	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\_80MHz\_NTNV

5G NR n77a SCS=30kHz SISO 80MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	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



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	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
		Inner_1RB_Right	Refer To Test Graph	Pass
DFT-s-OFDM QPSK	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
		Inner_1RB_Right	Refer To Test Graph	Pass
CP-OFDM QPSK	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
		Inner_1RB_Right	Refer To Test Graph	Pass

### 5.1.10 30k\_SISO\_90MHz\_NTNV

5G NR n77a SCS=30kHz SISO 90MHz Ntnv						Verdict
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			
			Ant1	Ant2	Sum	Limit
DFT-s-OFDM PI/2 BPSK	3745.02	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
	3934.98	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	3745.02	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
	3934.98	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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CP-OFDM QPSK	3745.02	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
	3934.98	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass

### 5.1.11 30k\_SISO\_100MHz\_NTNV

5G NR n77a SCS=30kHz SISO 100MHz NTVN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM PI/2 BPSK	3750	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
	3930	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	3750	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
	3930	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	3750	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
	3930	Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass

### 5.1.12 30k\_MIMO\_10MHz\_NTNV

#### 5G NR n77a SCS=30kHz MIMO 10MHz NTVN



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Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3705	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3975	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass

### 5.1.13 30k\_MIMO\_15MHz\_NTNV

5G NR n77a SCS=30kHz MIMO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3707.52	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3972.48	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass



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		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass

### 5.1.14 30k\_MIMO\_20MHz\_NTNV

5G NR n77a SCS=30kHz MIMO 20MHz NTVN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM	3710.01	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
QPSK	3969.99	Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass

### 5.1.15 30k\_MIMO\_30MHz\_NTNV

5G NR n77a SCS=30kHz MIMO 30MHz NTVN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM	3715.02	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass



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	3964.98	Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass

### 5.1.16 30k\_MIMO\_40MHz\_NTNV

5G NR n77a SCS=30kHz MIMO 40MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3720	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3960	Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass



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			Refer To Test Graph	Pass
			Refer To Test Graph	Pass

### 5.1.17 30k\_MIMO\_50MHz\_NTNV

5G NR n77a SCS=30kHz MIMO 50MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3725.01	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph		Pass		Pass
			Refer To Test Graph		Pass		Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph		Pass		Pass
			Refer To Test Graph		Pass		Pass
	3954.99	Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph		Pass		Pass
			Refer To Test Graph		Pass		Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph		Pass		Pass
			Refer To Test Graph		Pass		Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph		Pass		Pass
			Refer To Test Graph		Pass		Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph		Pass		Pass
			Refer To Test Graph		Pass		Pass

### 5.1.18 30k\_MIMO\_60MHz\_NTNV

5G NR n77a SCS=30kHz MIMO 60MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3730.02	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph		Pass		Pass
			Refer To Test Graph		Pass		Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph		Pass		Pass
			Refer To Test Graph		Pass		Pass



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3949.98	Inner_1RB_Left	Refer To Test Graph	Pass
		Refer To Test Graph	Pass
		Refer To Test Graph	Pass
	Edge_1RB_Right	Refer To Test Graph	Pass
		Refer To Test Graph	Pass
		Refer To Test Graph	Pass
	Outer_Full	Refer To Test Graph	Pass
		Refer To Test Graph	Pass
		Refer To Test Graph	Pass
	Inner_1RB_Right	Refer To Test Graph	Pass
		Refer To Test Graph	Pass
		Refer To Test Graph	Pass

### 5.1.19 30k\_MIMO\_70MHz\_NTNV

5G NR n77a SCS=30kHz MIMO 70MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3735	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3945	Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3735	Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3945	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3945	Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3735	Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass

### 5.1.20 30k\_MIMO\_80MHz\_NTNV



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5G NR n77a SCS=30kHz MIMO 80MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3740.01	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
3939.99	Edge_1RB_Right	Refer To Test Graph					Pass
		Refer To Test Graph					Pass
		Refer To Test Graph					Pass
	Outer_Full	Refer To Test Graph					Pass
		Refer To Test Graph					Pass
		Refer To Test Graph					Pass
	Inner_1RB_Right	Refer To Test Graph					Pass
		Refer To Test Graph					Pass
		Refer To Test Graph					Pass

## 5.1.21 30k\_MIMO\_90MHz\_NTV

5G NR n77a SCS=30kHz MIMO 90MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3745.02	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3934.98	Edge_1RB_Right	Refer To Test Graph				Pass
	Refer To Test Graph				Pass		

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		Refer To Test Graph	Pass
		Refer To Test Graph	Pass
		Refer To Test Graph	Pass
		Refer To Test Graph	Pass
	Outer_Full	Refer To Test Graph	Pass
		Refer To Test Graph	Pass
		Refer To Test Graph	Pass
	Inner_1RB_Right	Refer To Test Graph	Pass
		Refer To Test Graph	Pass
		Refer To Test Graph	Pass

### 5.1.22 30k\_MIMO\_100MHz\_NTNV

5G NR n77a SCS=30kHz MIMO 100MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3750	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3930	Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass

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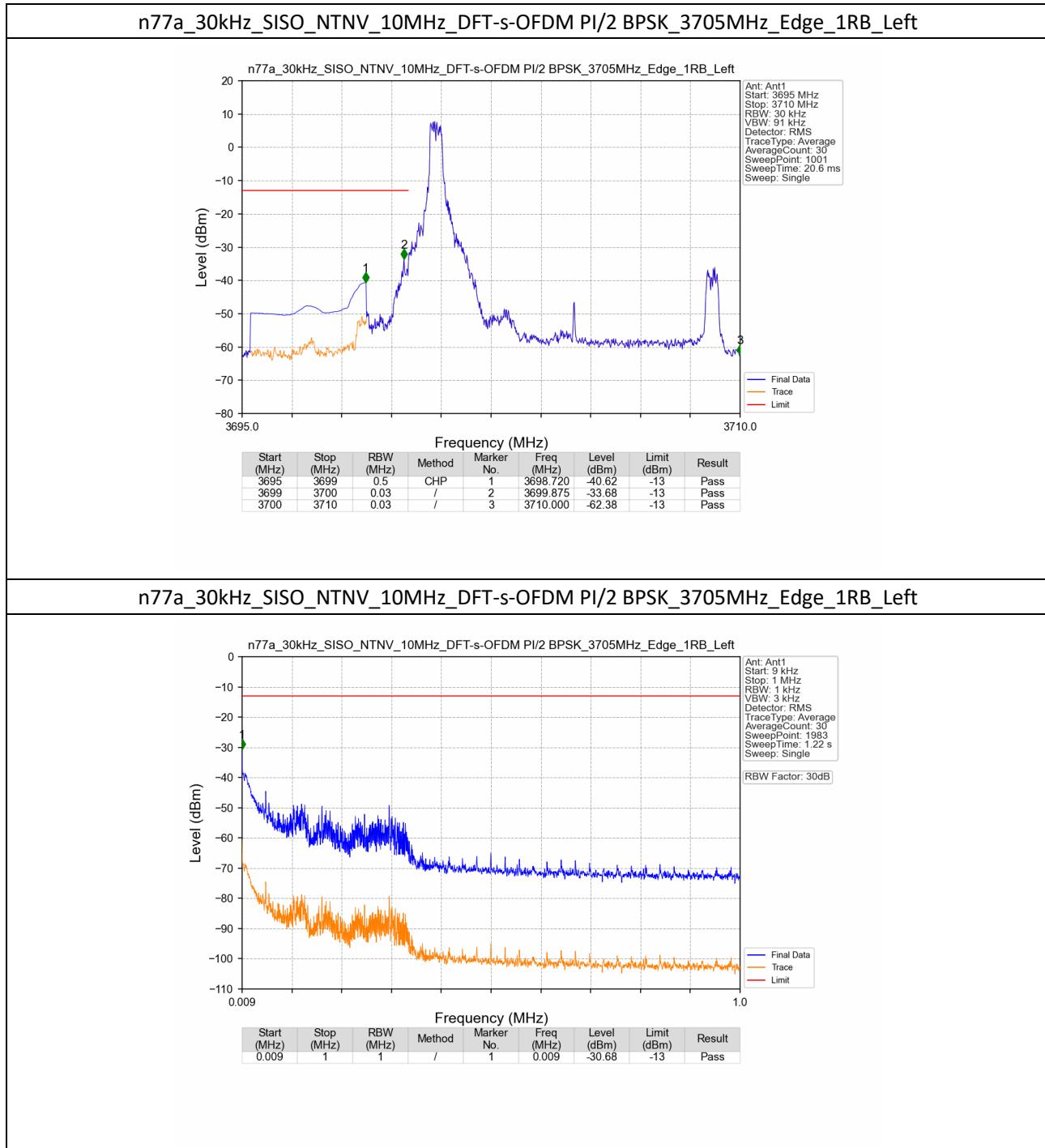
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## 5.2 Test Graph

### 5.2.1 30k\_SISO\_10MHz\_NTNV

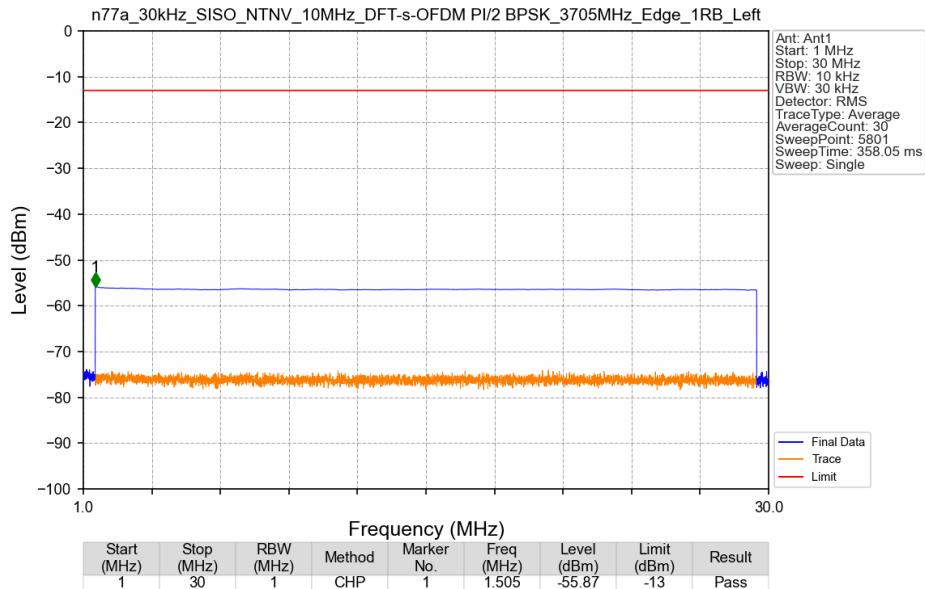


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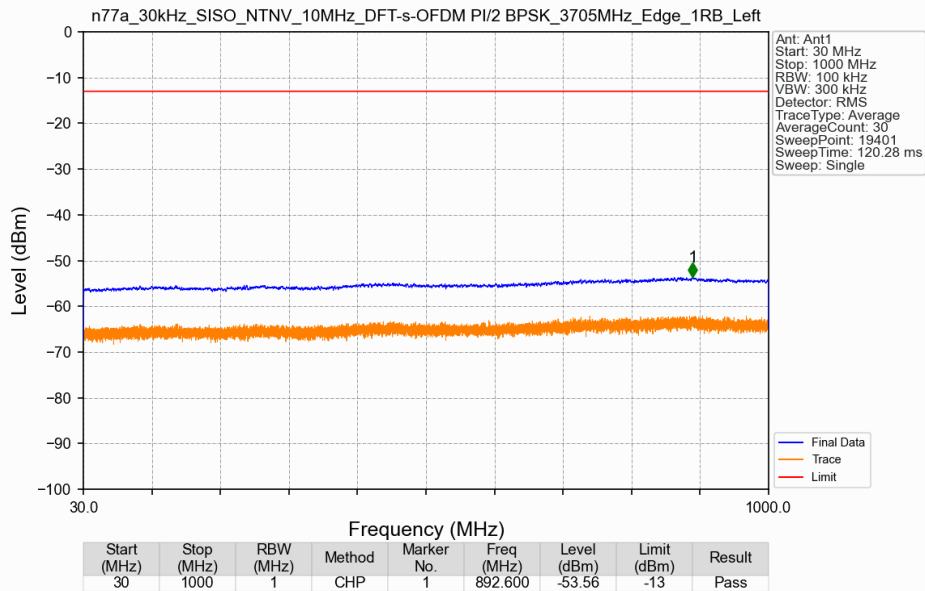
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3705MHz\_Edge\_1RB\_Left



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



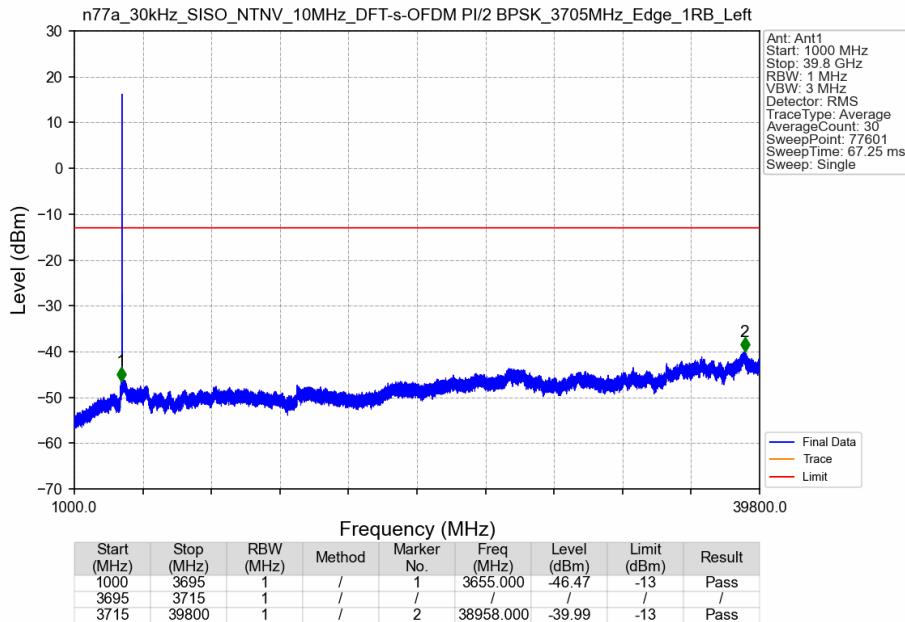
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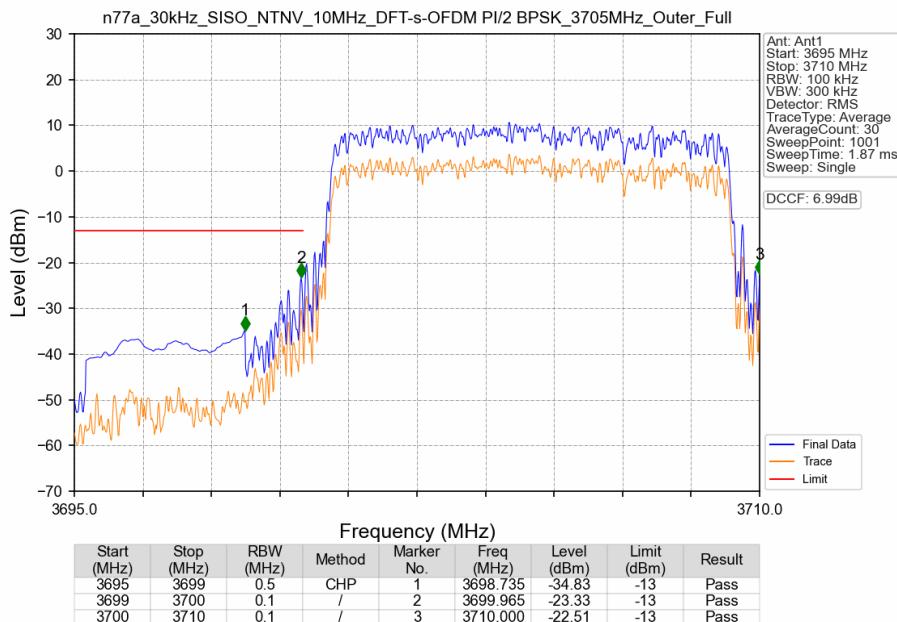
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3705MHz\_Edge\_1RB\_Left



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

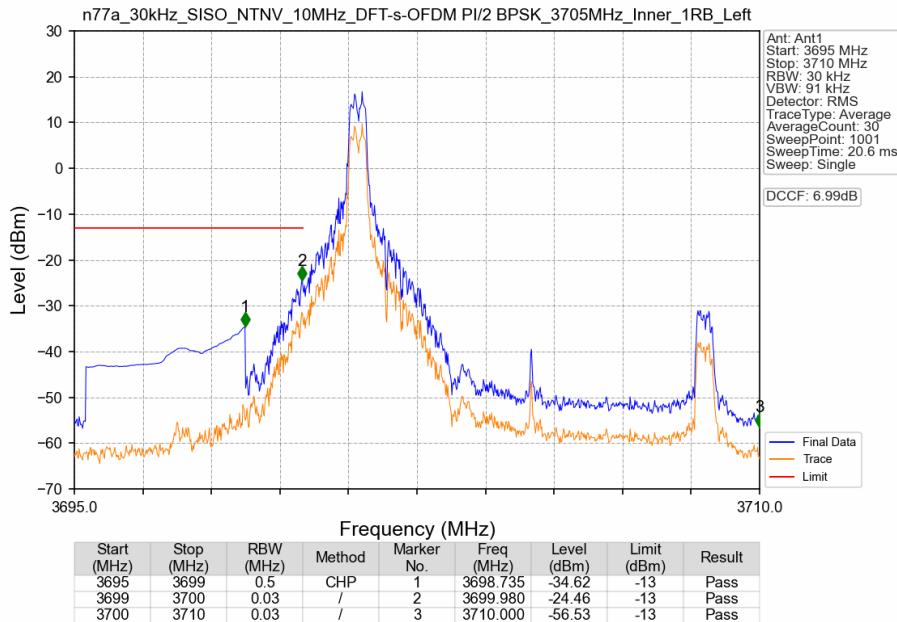


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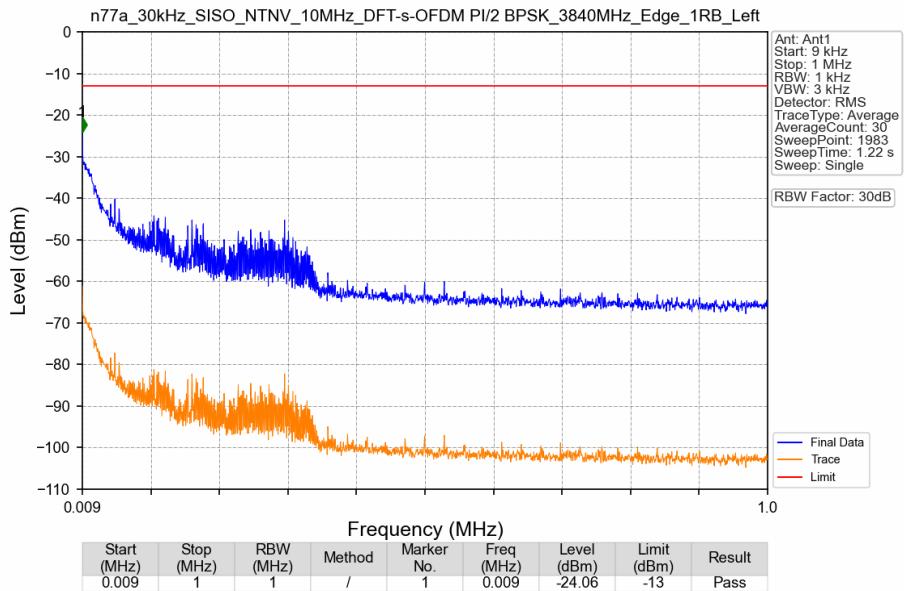
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3705MHz\_Inner\_1RB\_Left



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

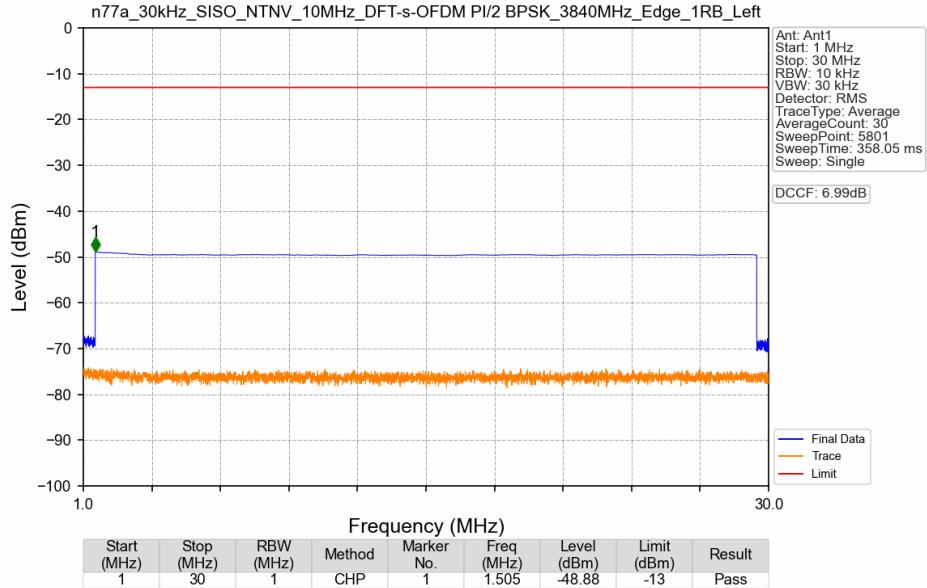


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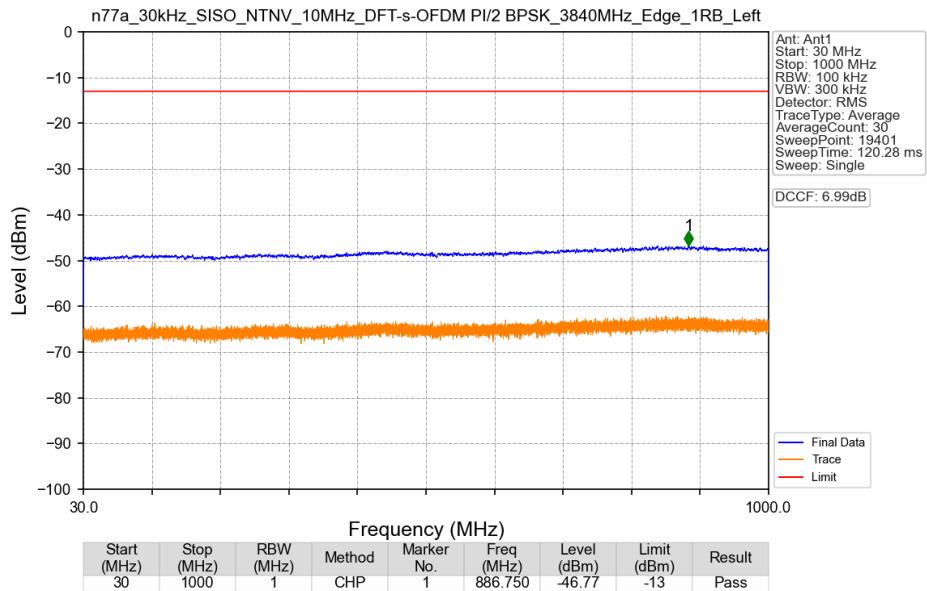
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Edge\_1RB\_Left



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



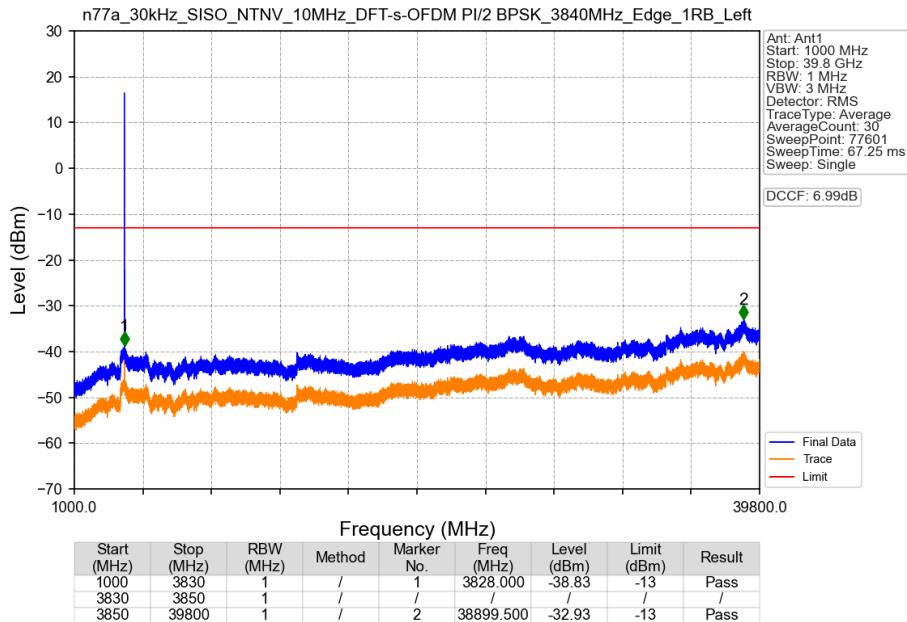
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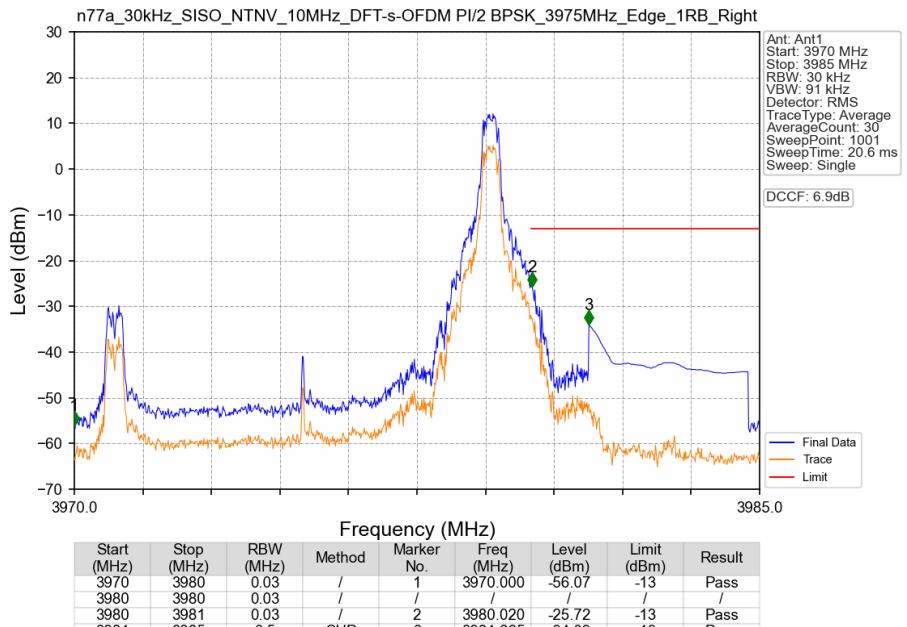
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Edge\_1RB\_Left



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

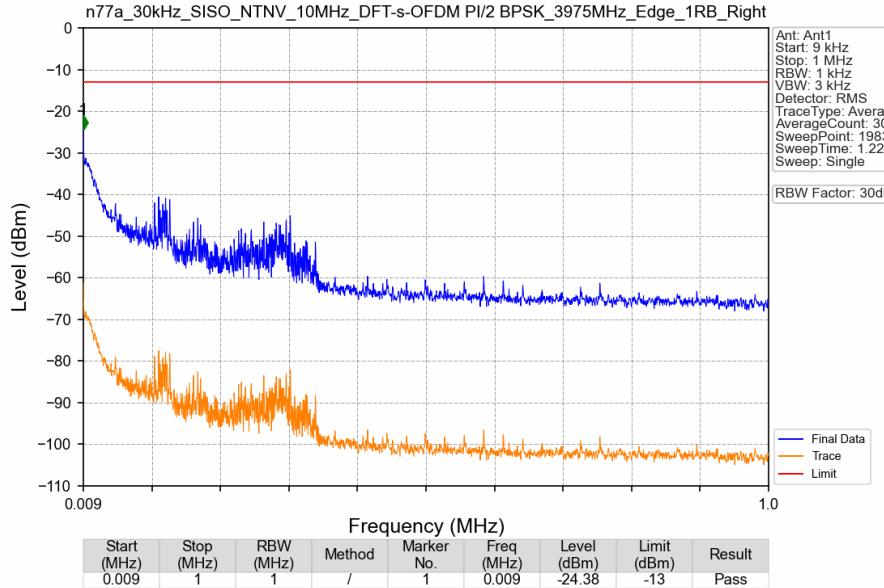


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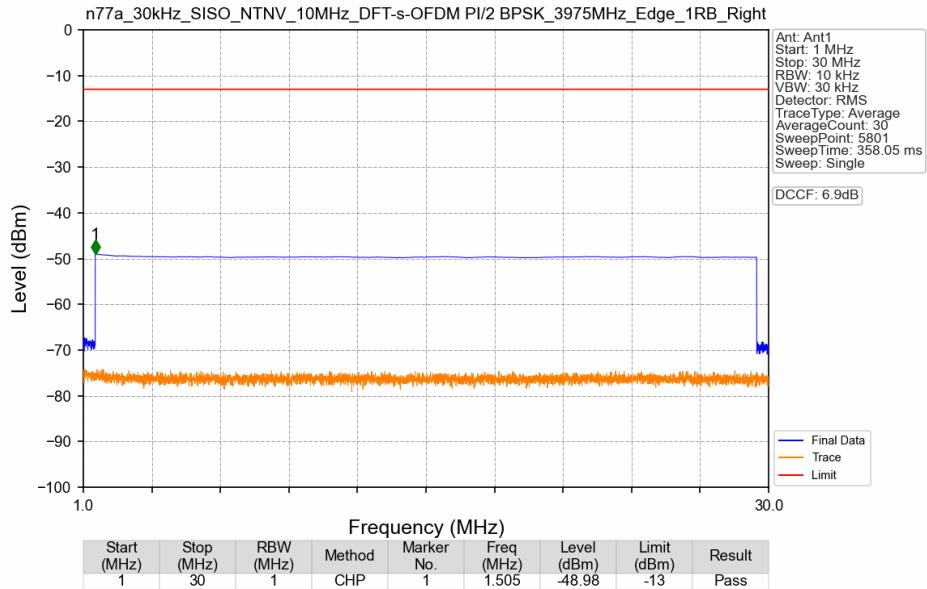
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3975MHz\_Edge\_1RB\_Right



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



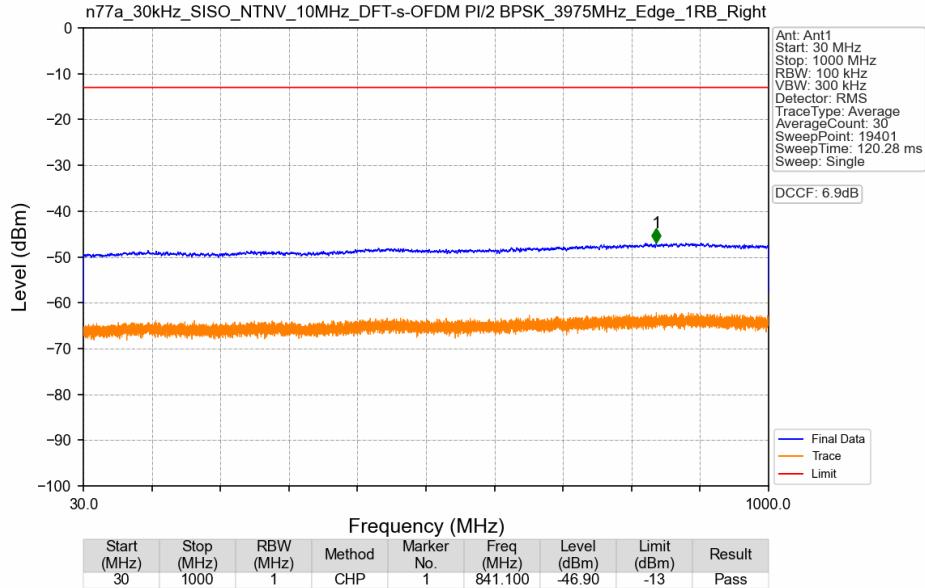
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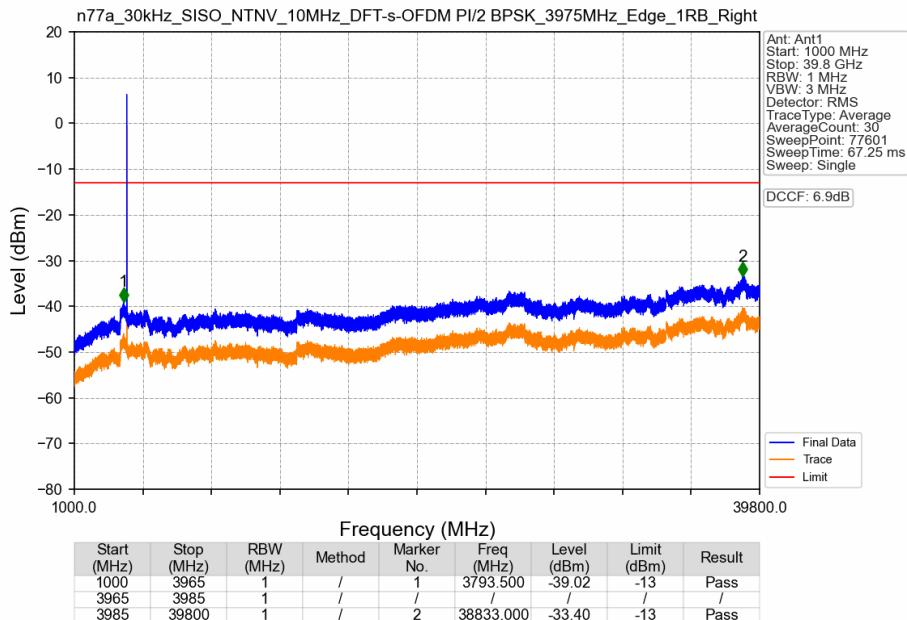
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3975MHz\_Edge\_1RB\_Right



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

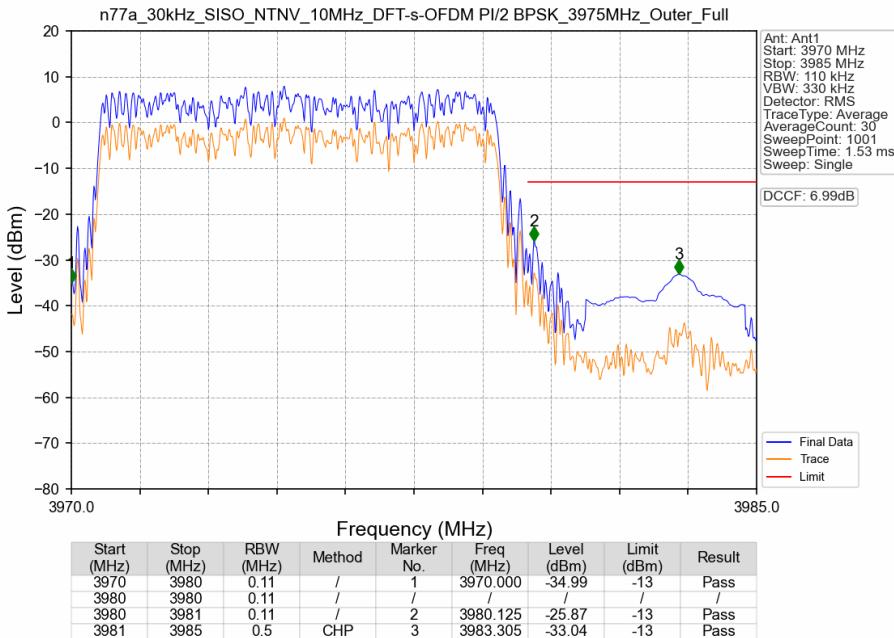


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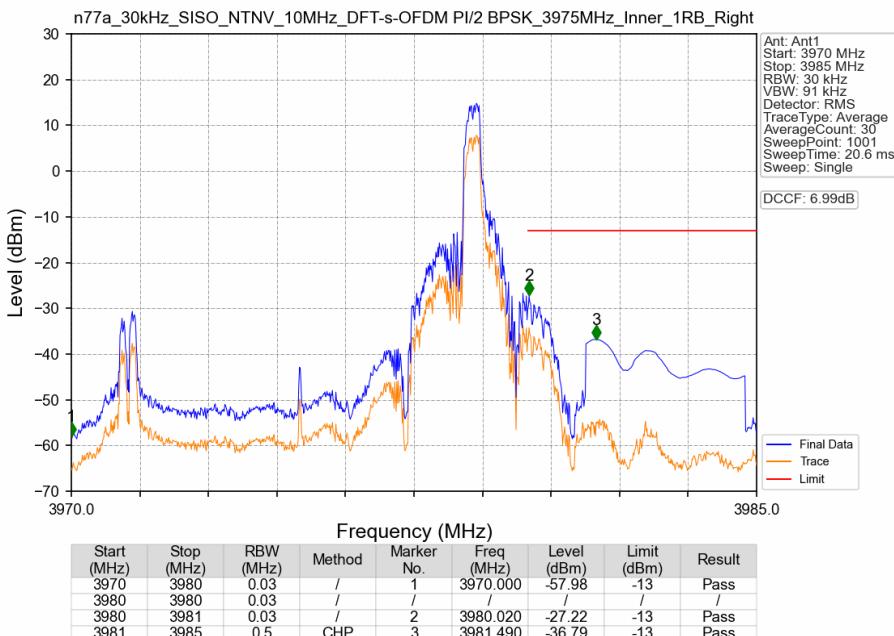
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3975MHz\_Outer\_Full



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

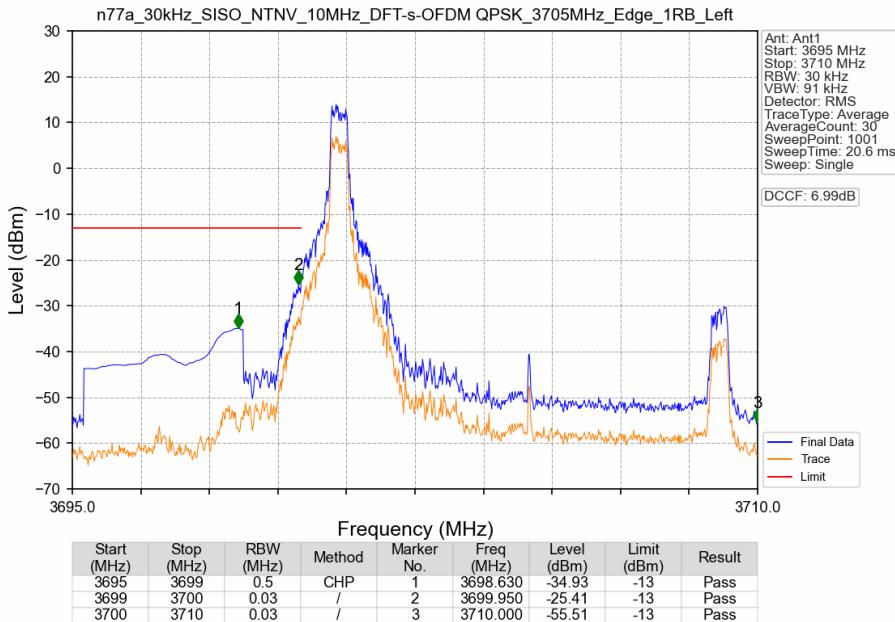


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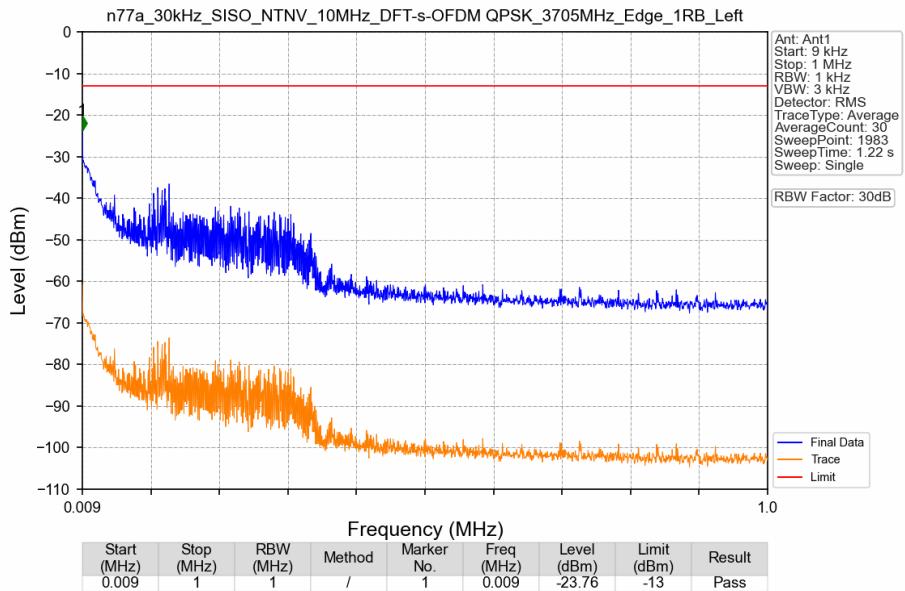
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3705MHz\_Edge\_1RB\_Left



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

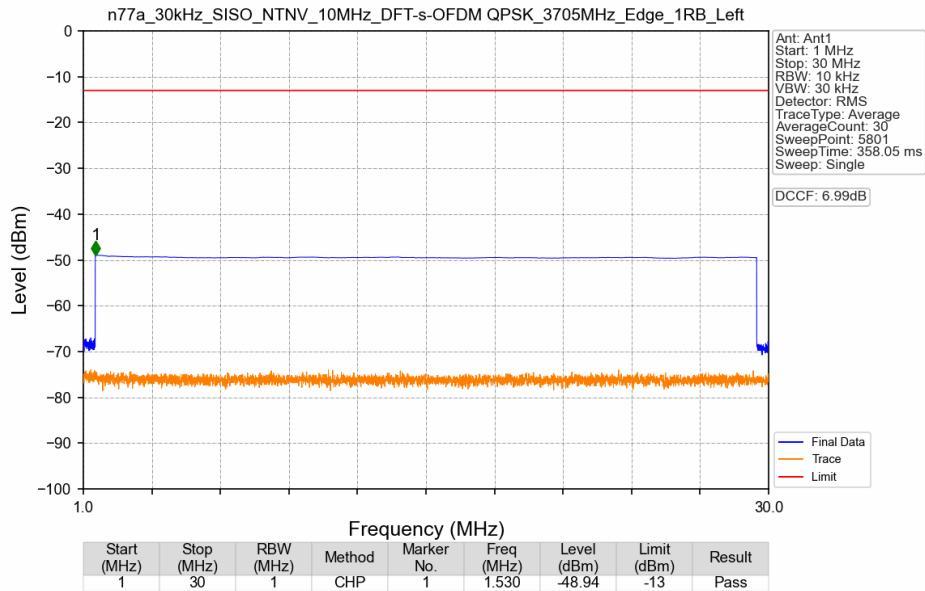


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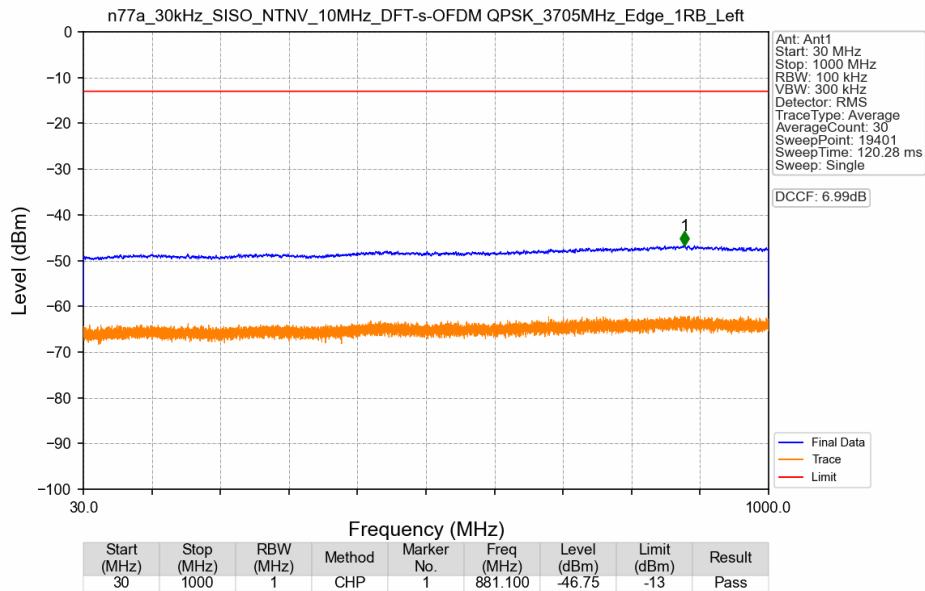
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3705MHz\_Edge\_1RB\_Left



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



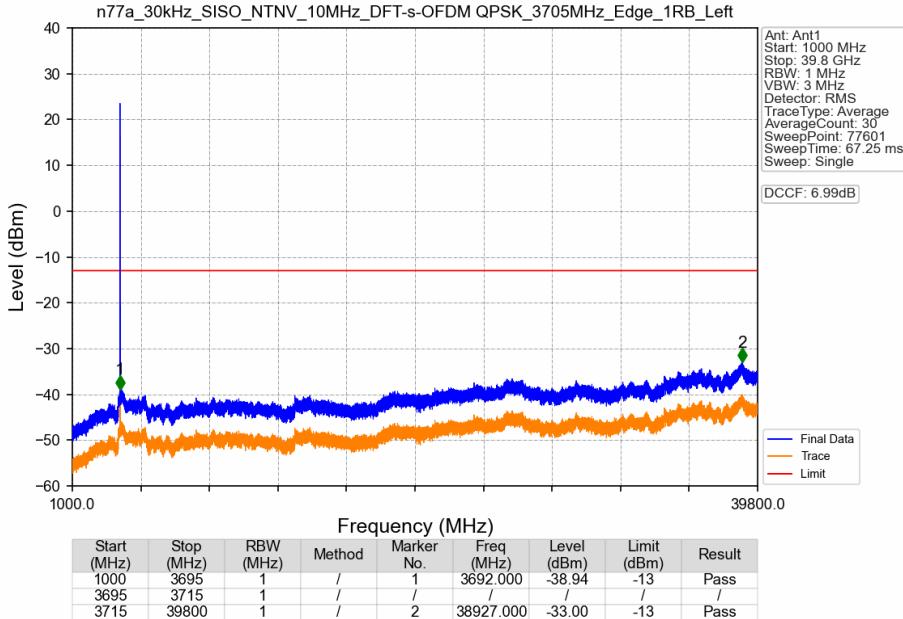
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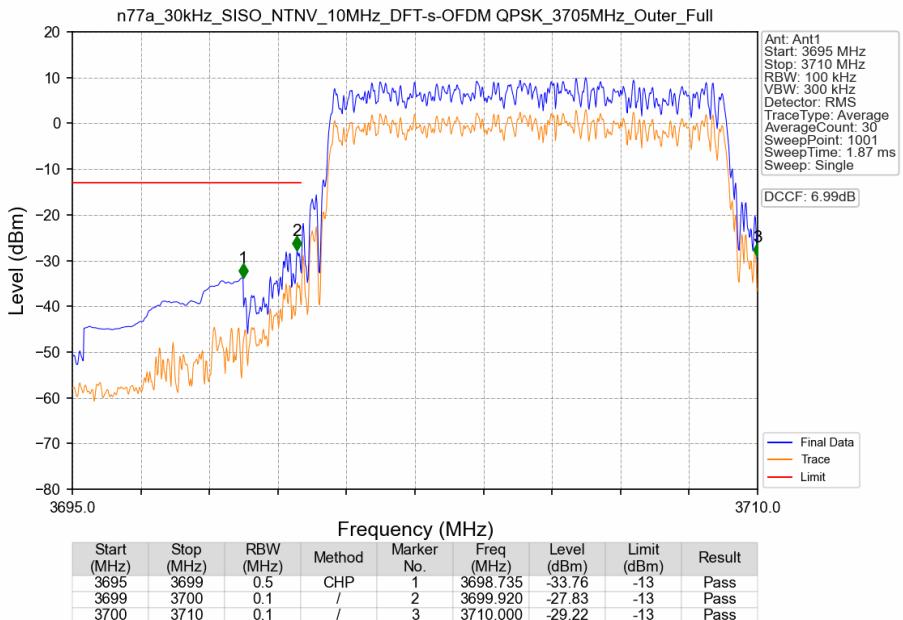
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3705MHz\_Edge\_1RB\_Left



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

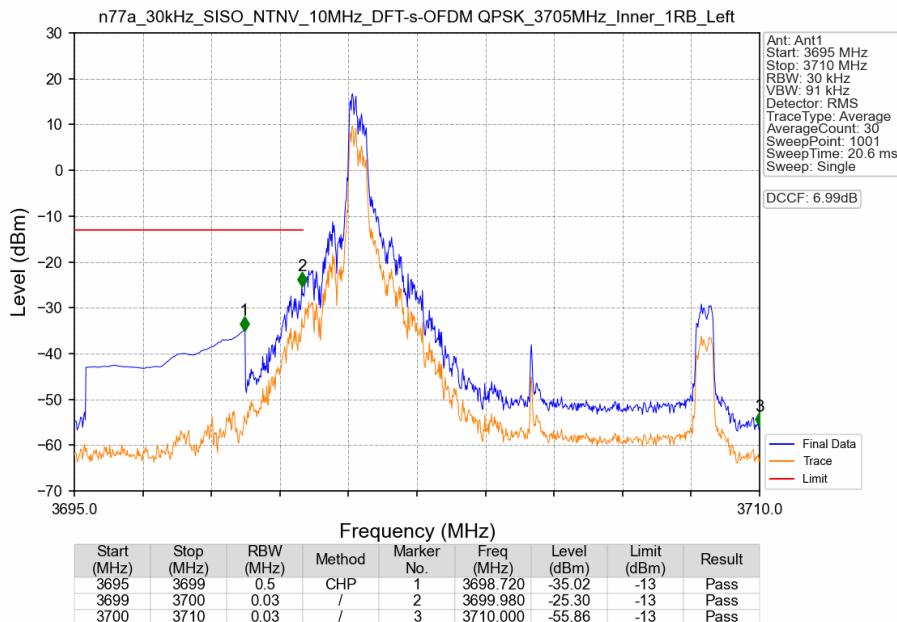


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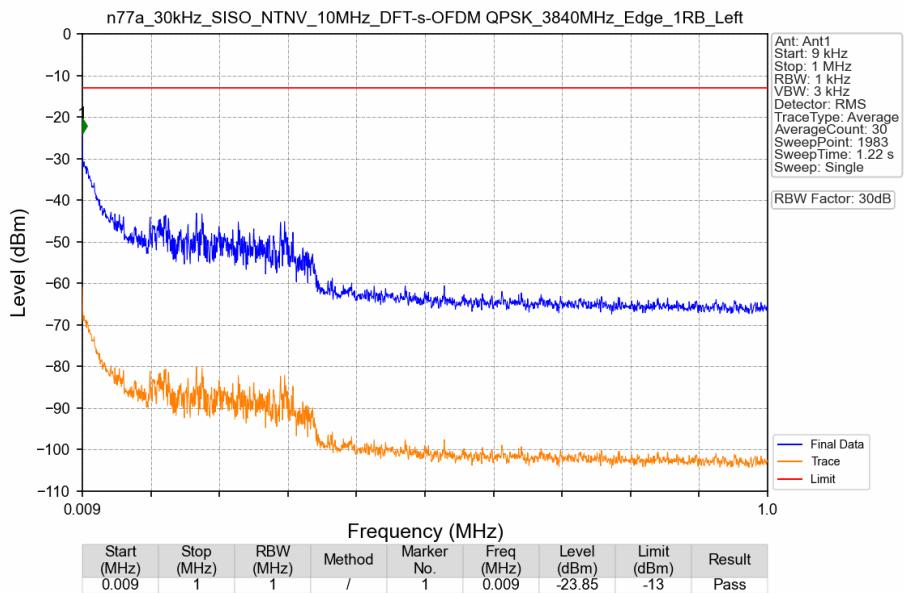
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3705MHz\_Inner\_1RB\_Left



## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3840MHz\_Edge\_1RB\_Left

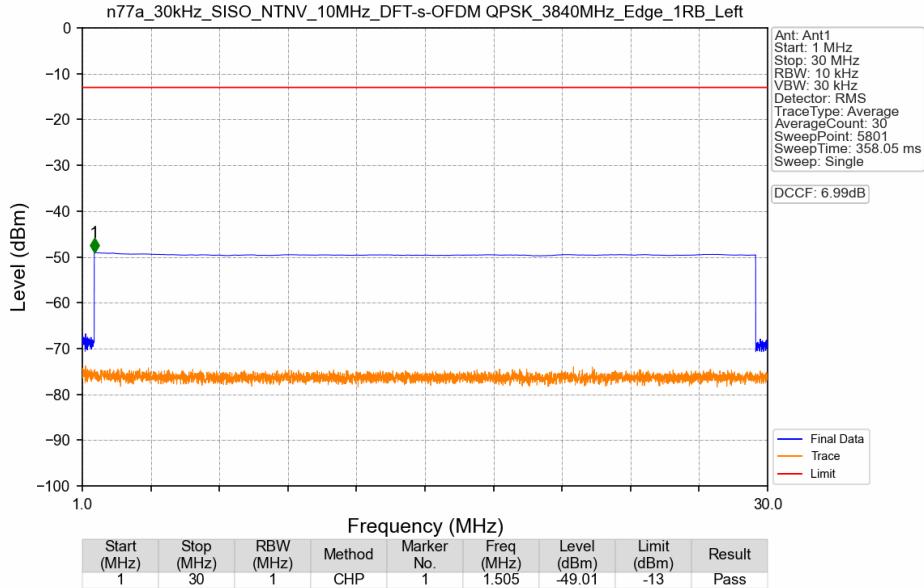


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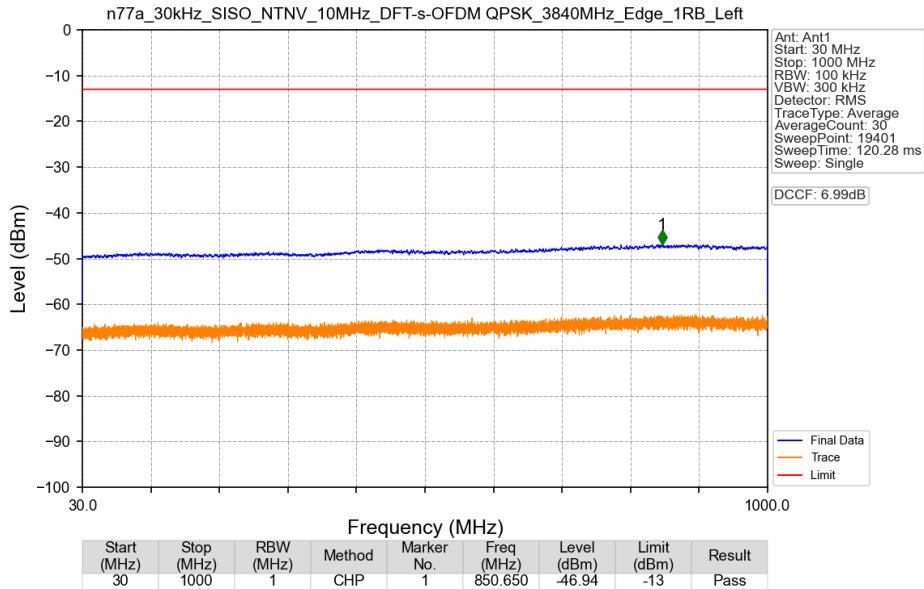
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3840MHz\_Edge\_1RB\_Left



## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3840MHz\_Edge\_1RB\_Left



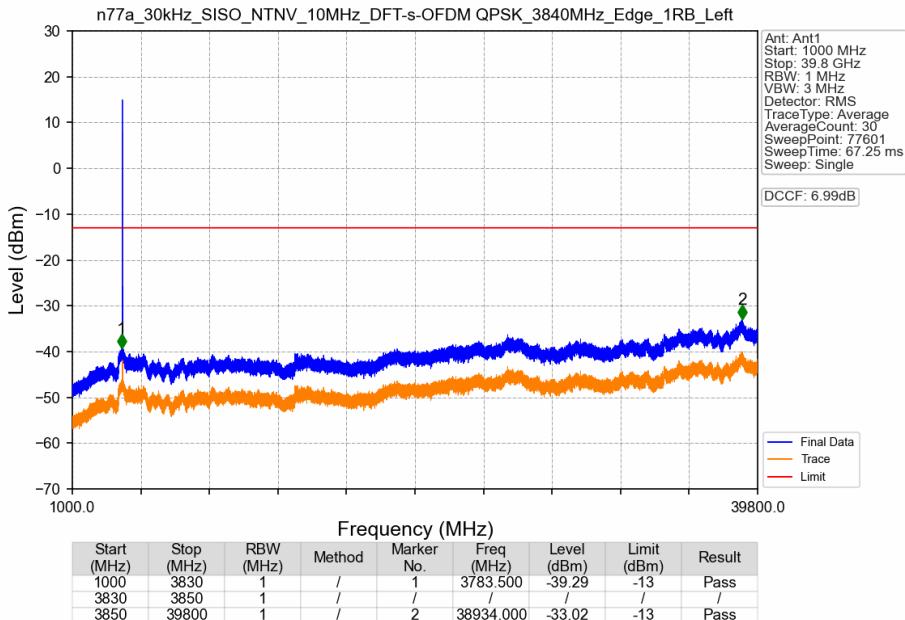
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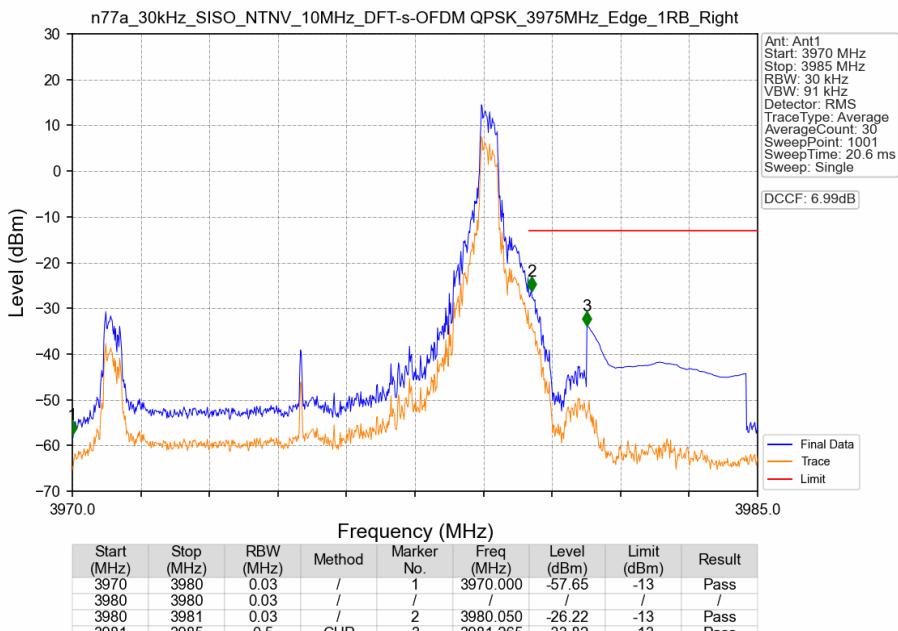
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3840MHz\_Edge\_1RB\_Left



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

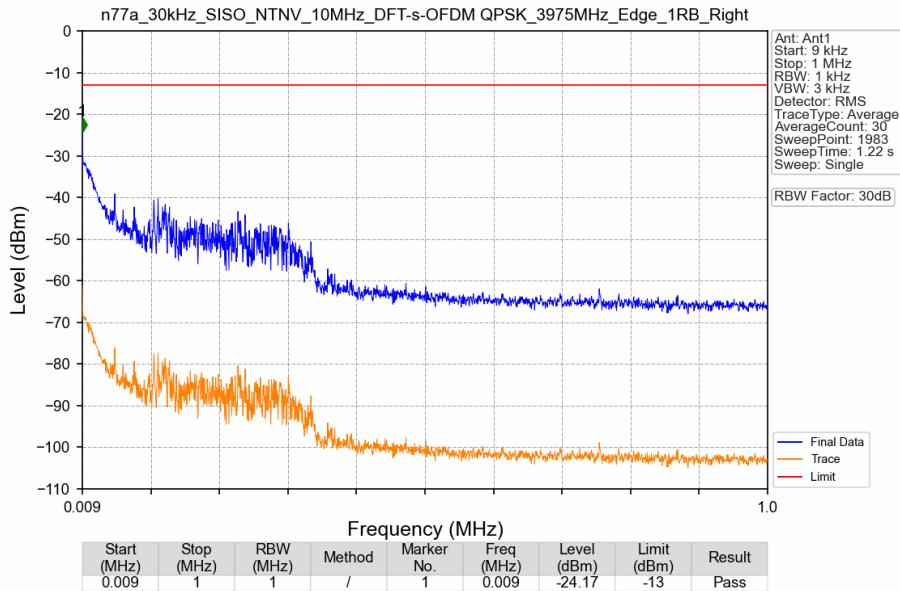


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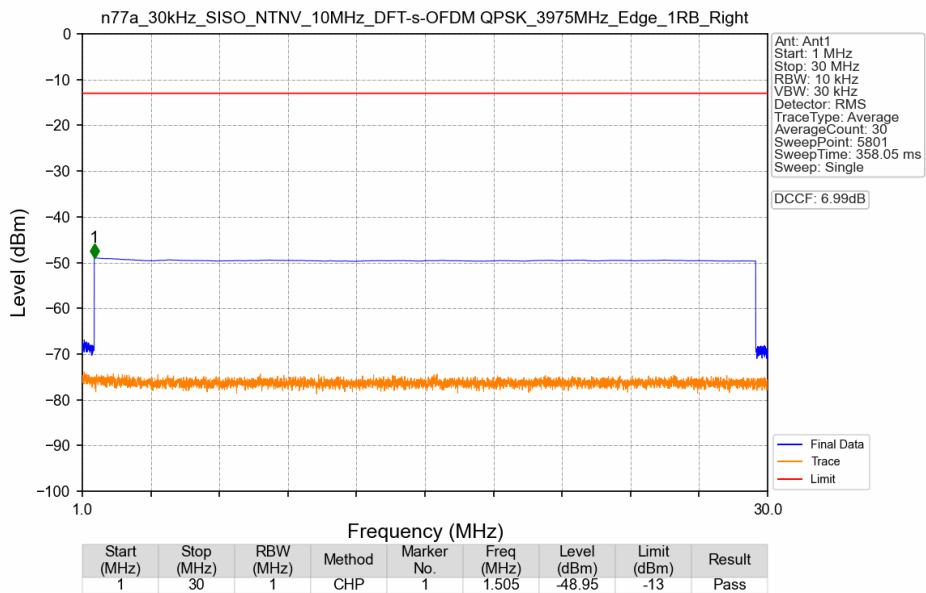
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## n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3975MHz\_Edge\_1RB\_Right



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



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