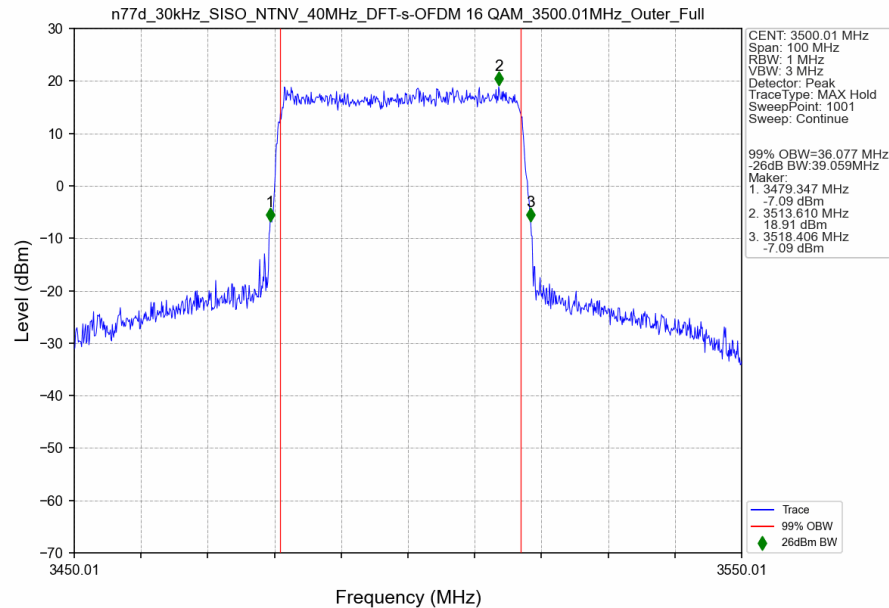
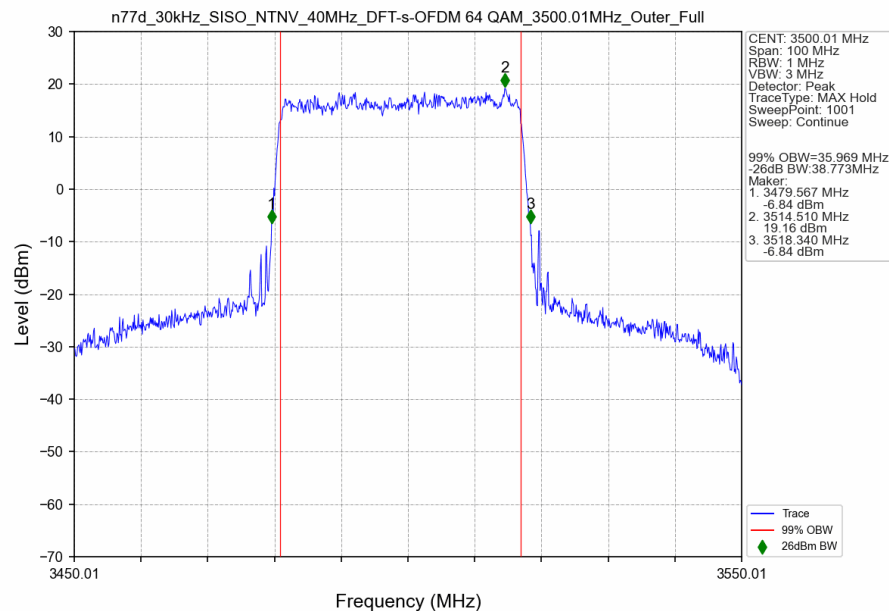


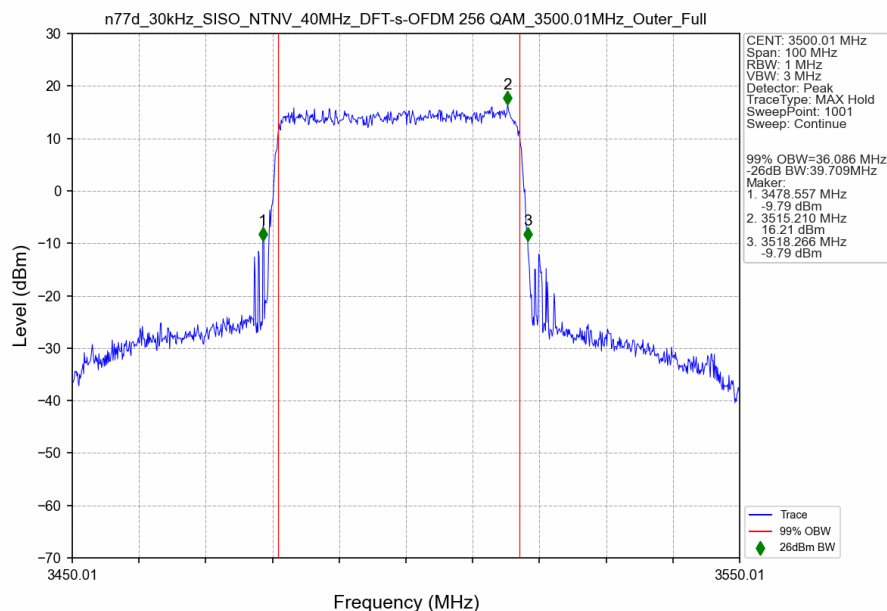
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3500.01MHz_Outer_Full_Ant6



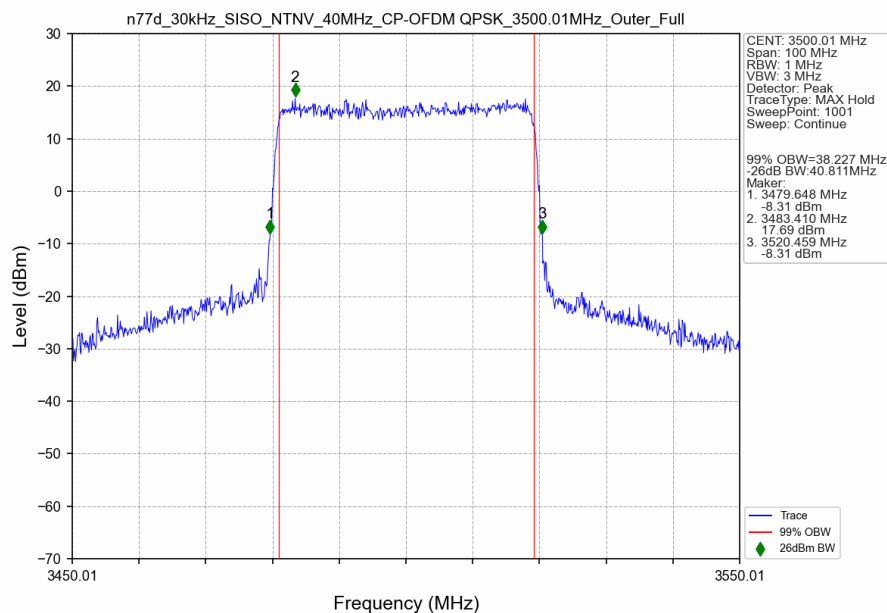
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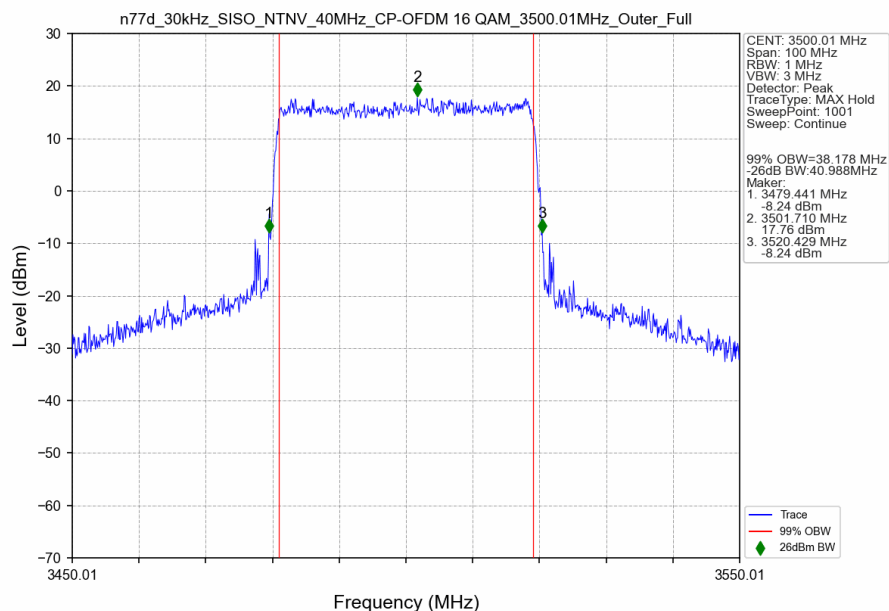
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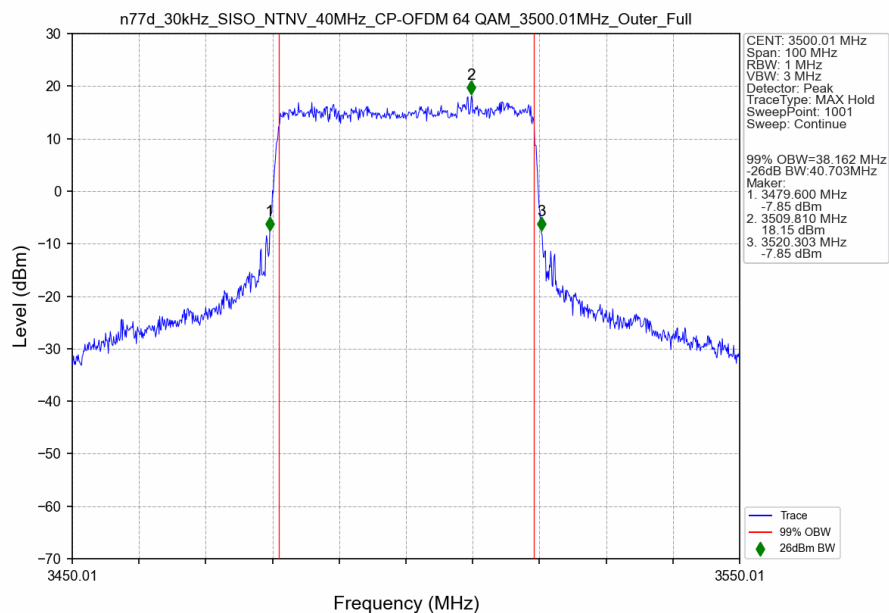
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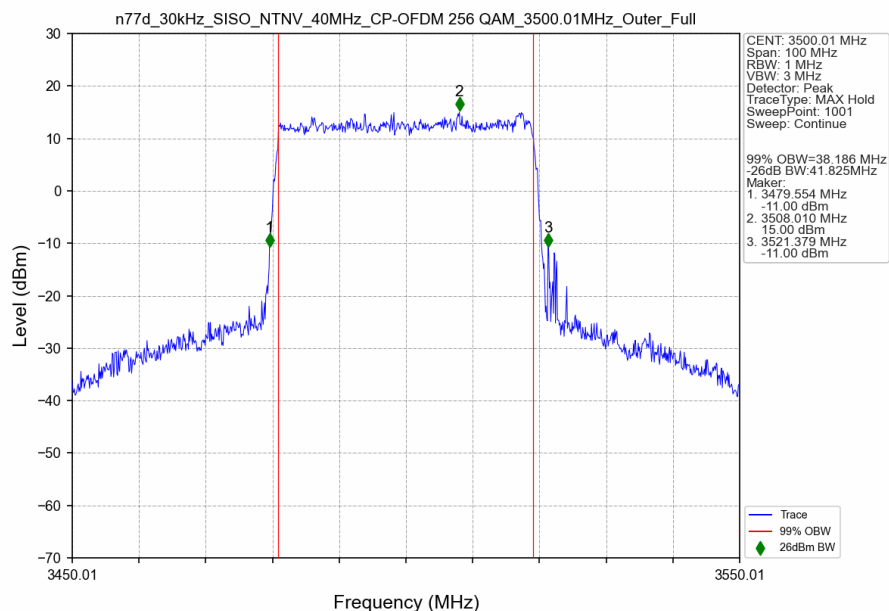
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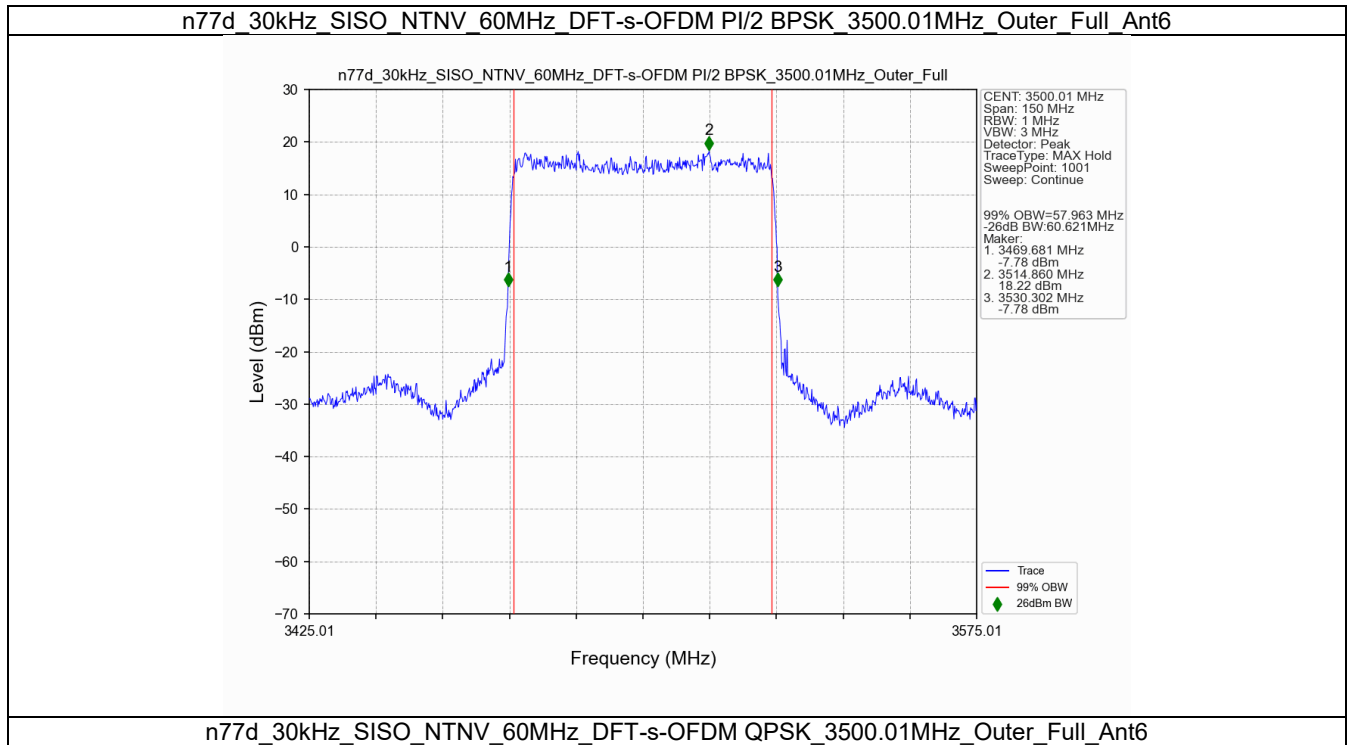
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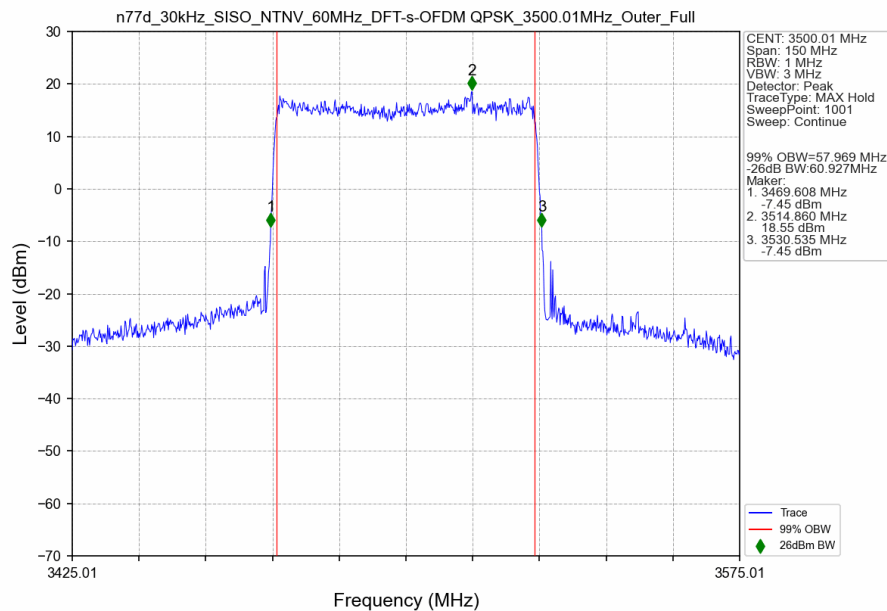


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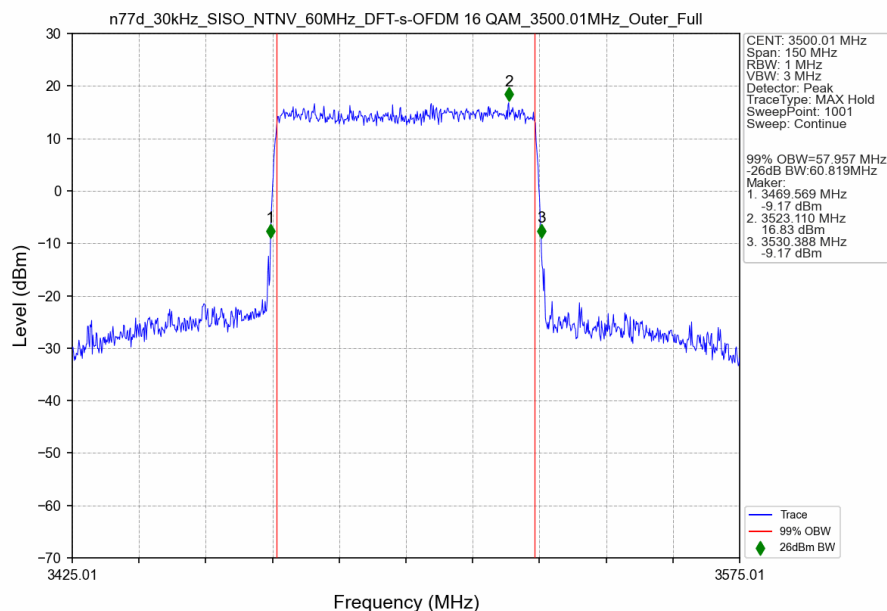


3.2.4 30_S_60M_NTNV

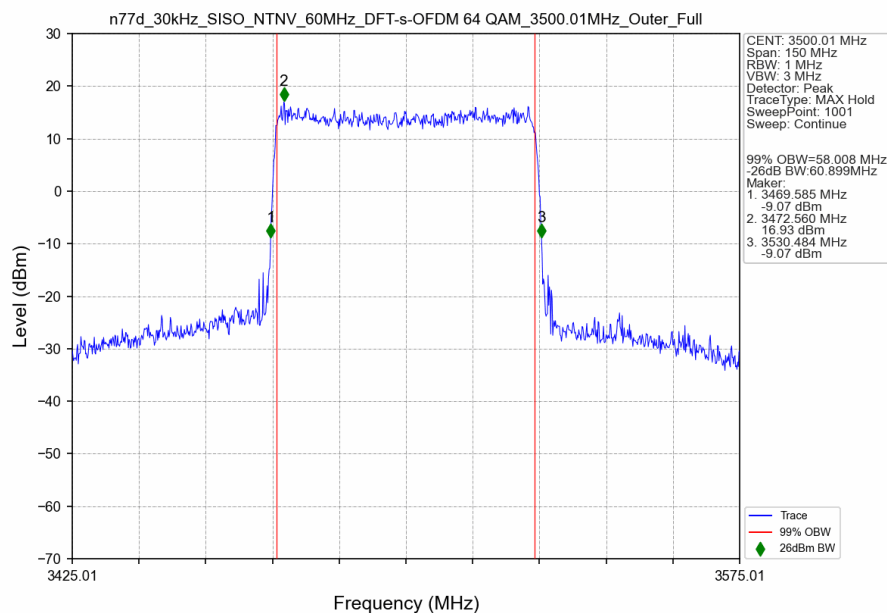




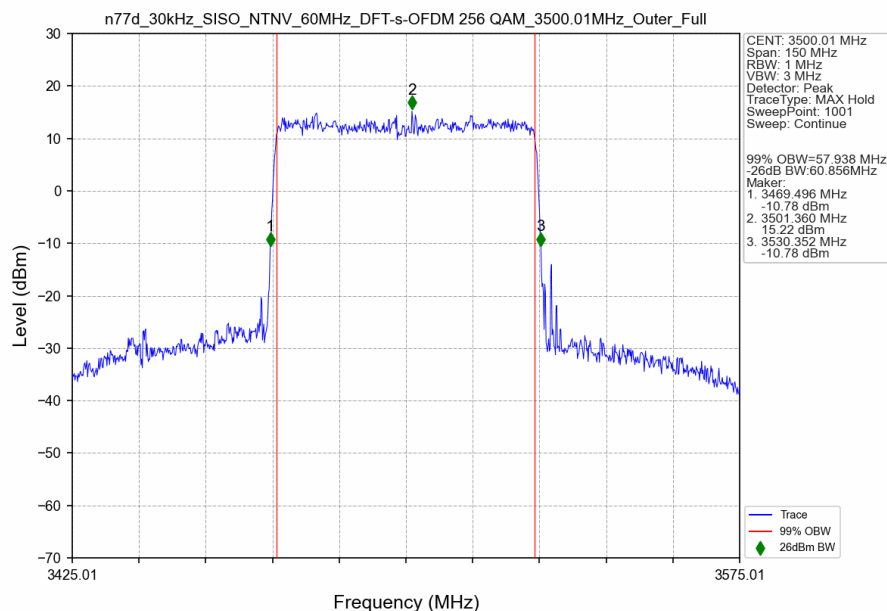
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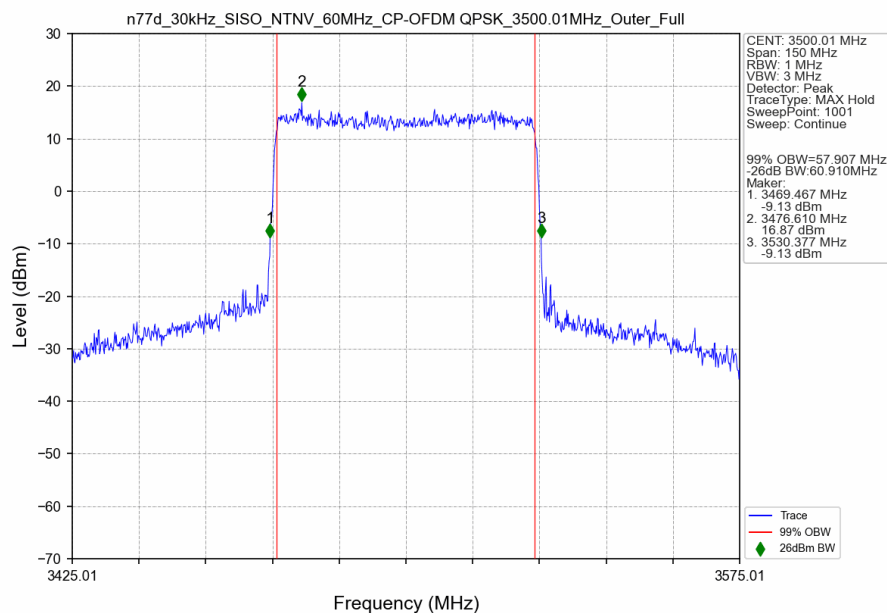
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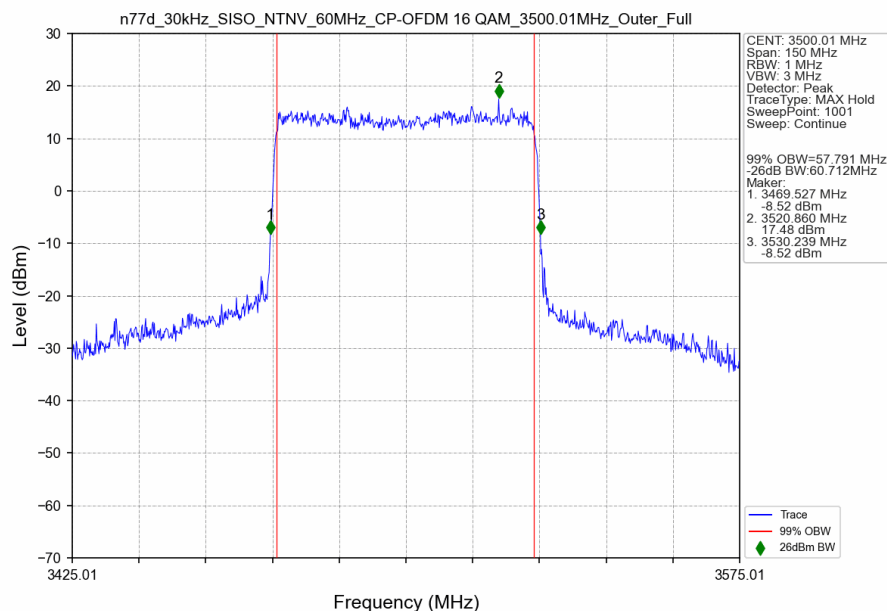
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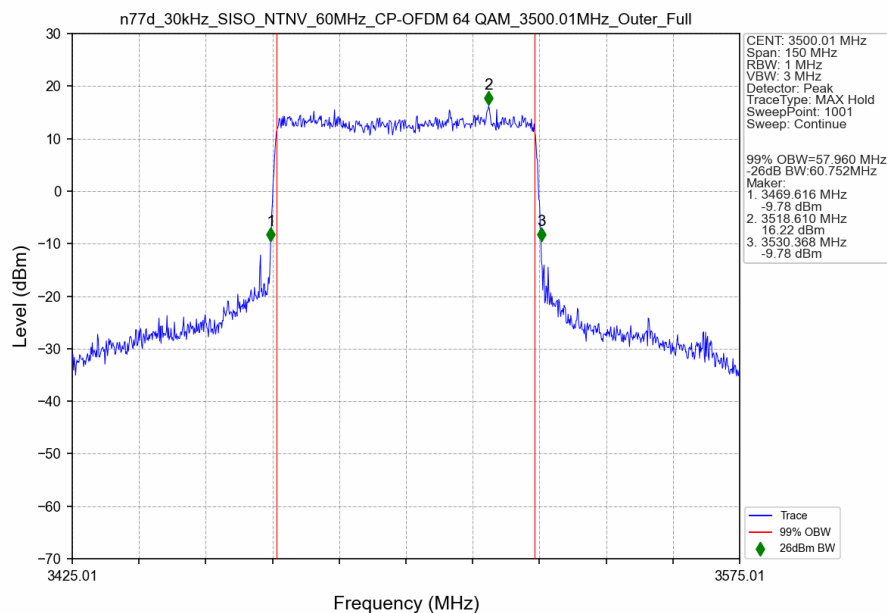
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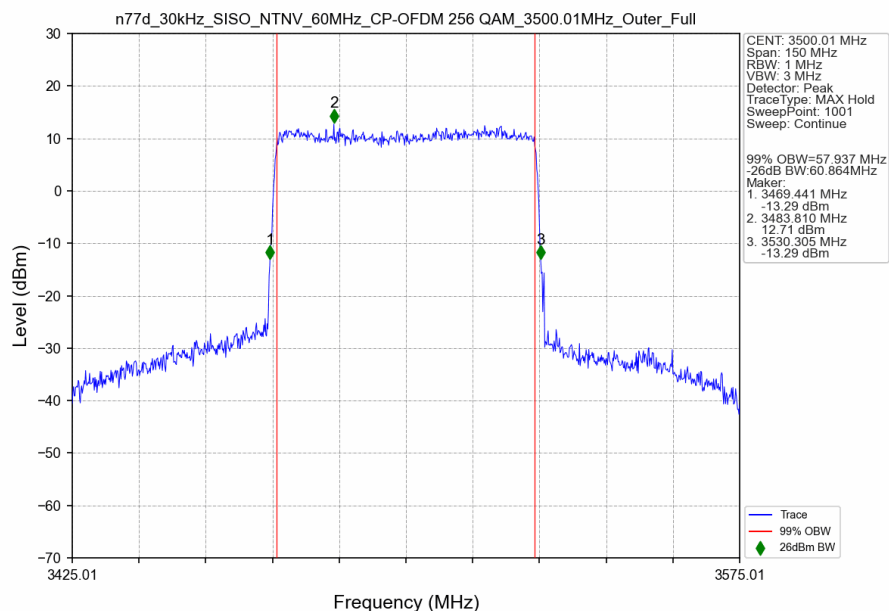
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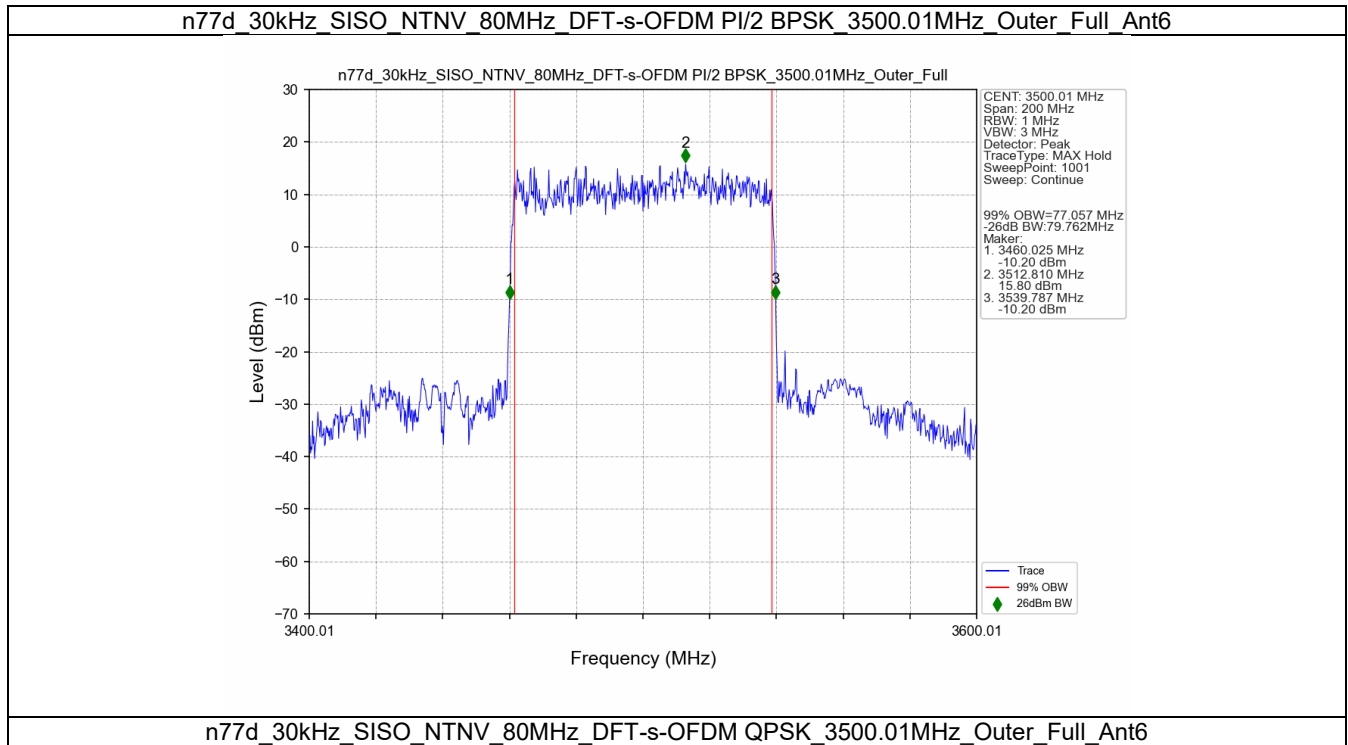
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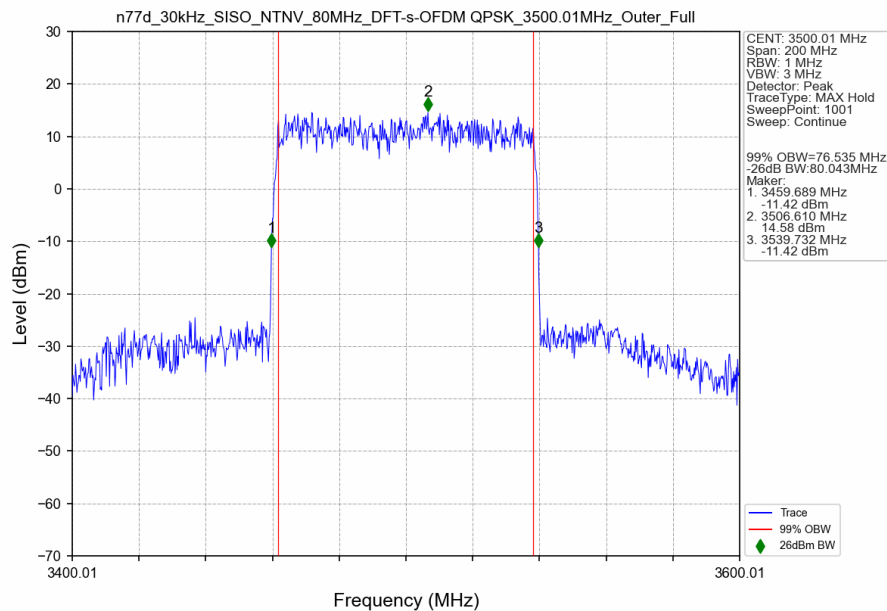


n77d_30kHz_SISO_NTNV_60MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant6

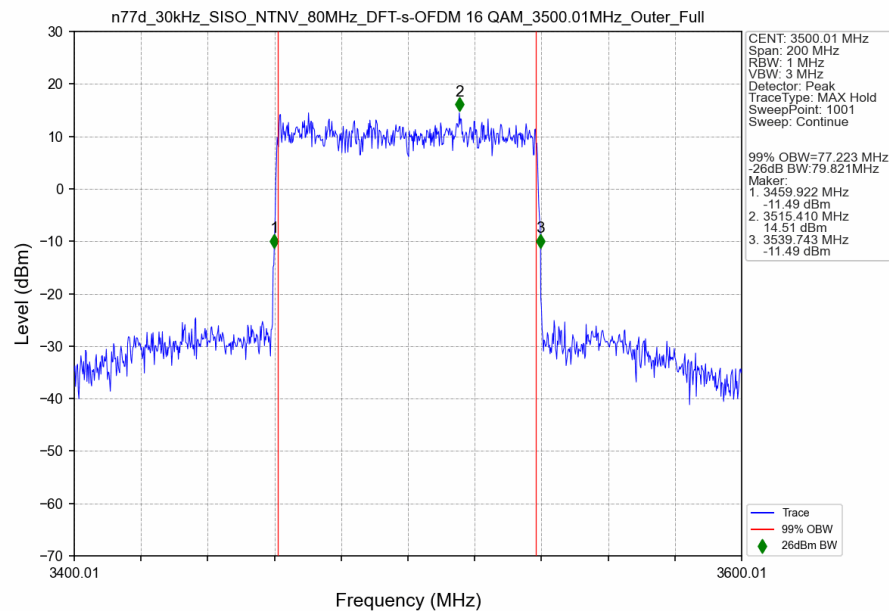


3.2.5 30_S_80M_NTNV

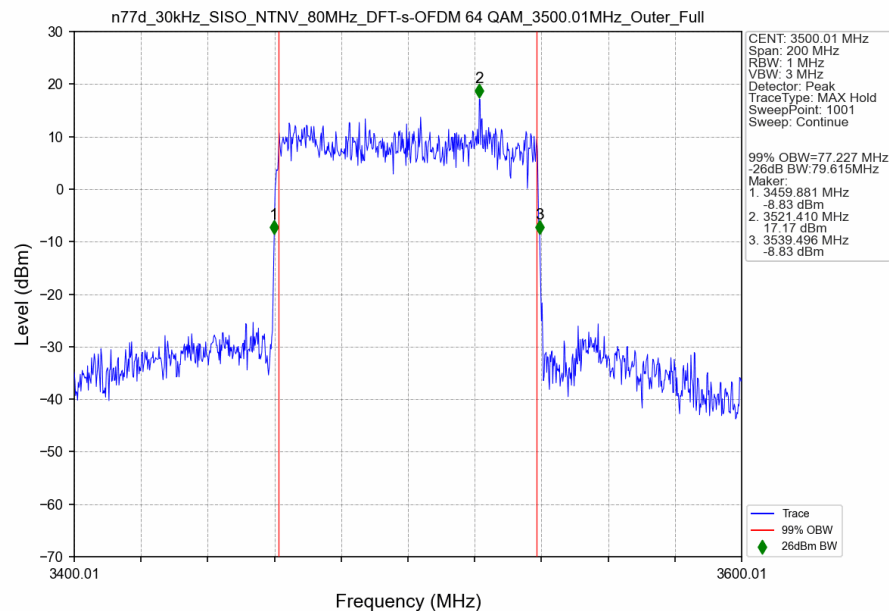




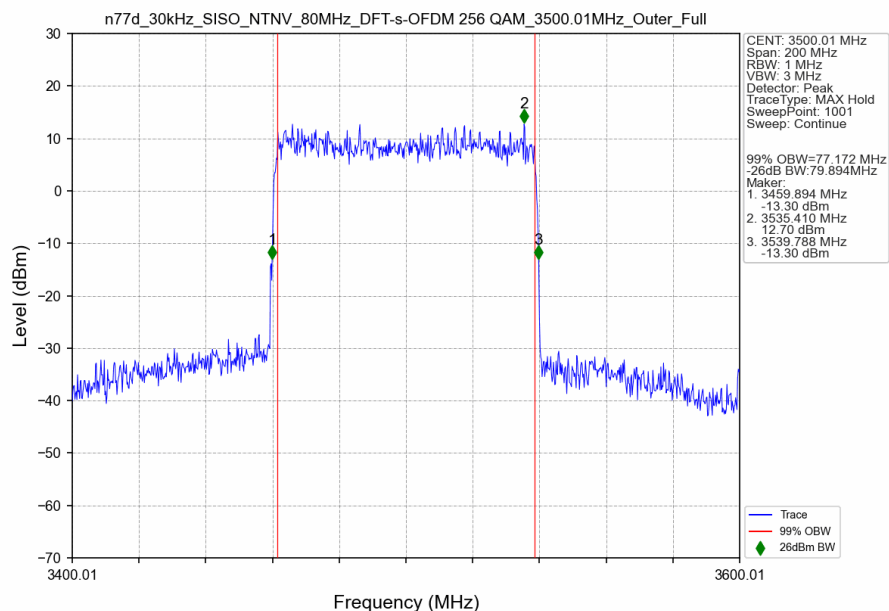
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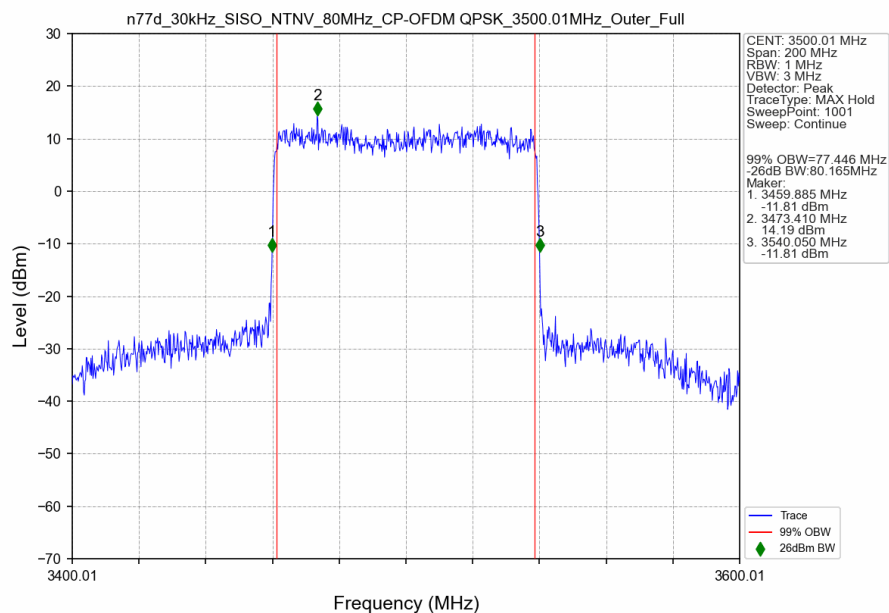
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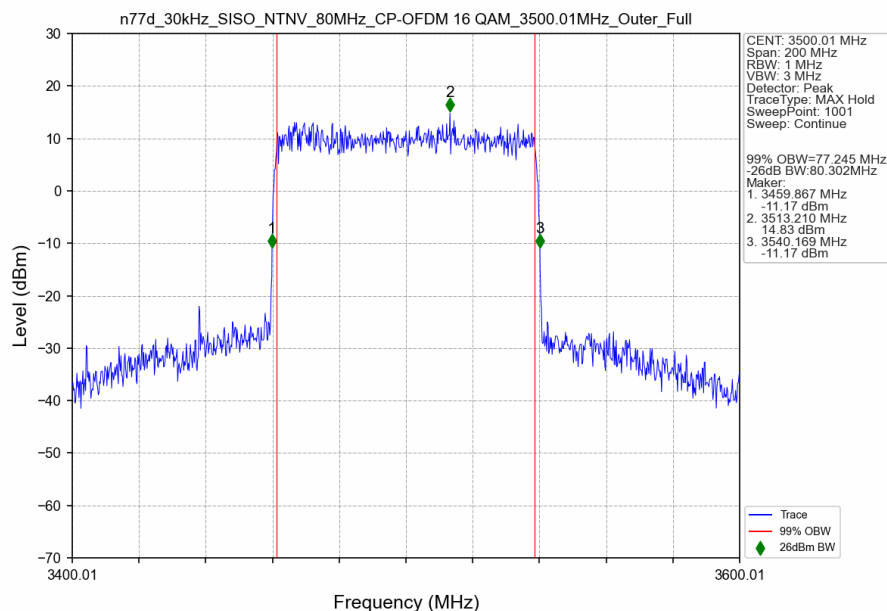
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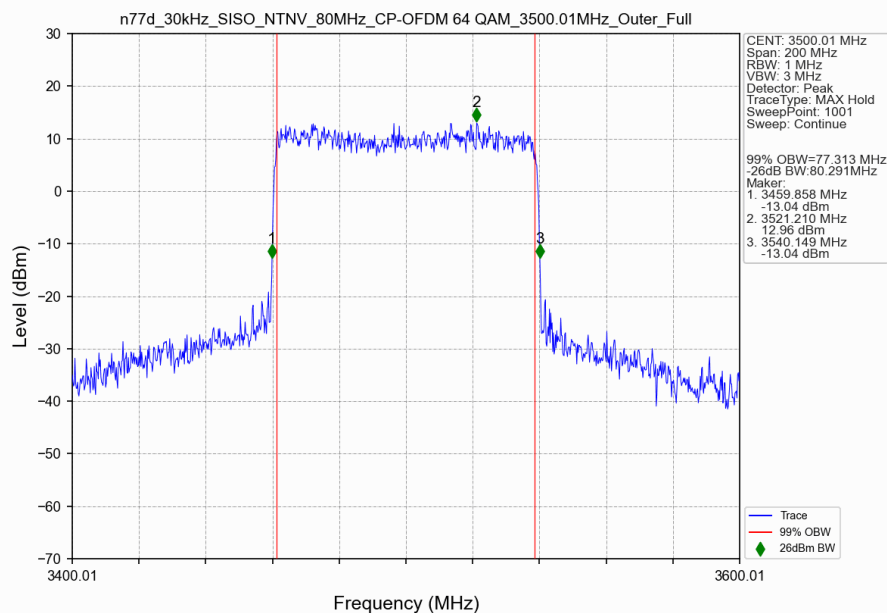
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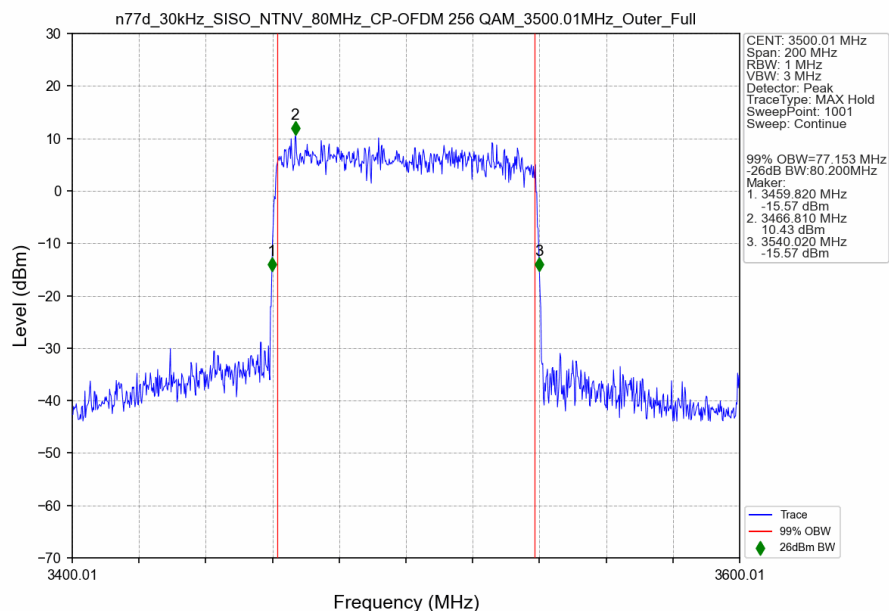
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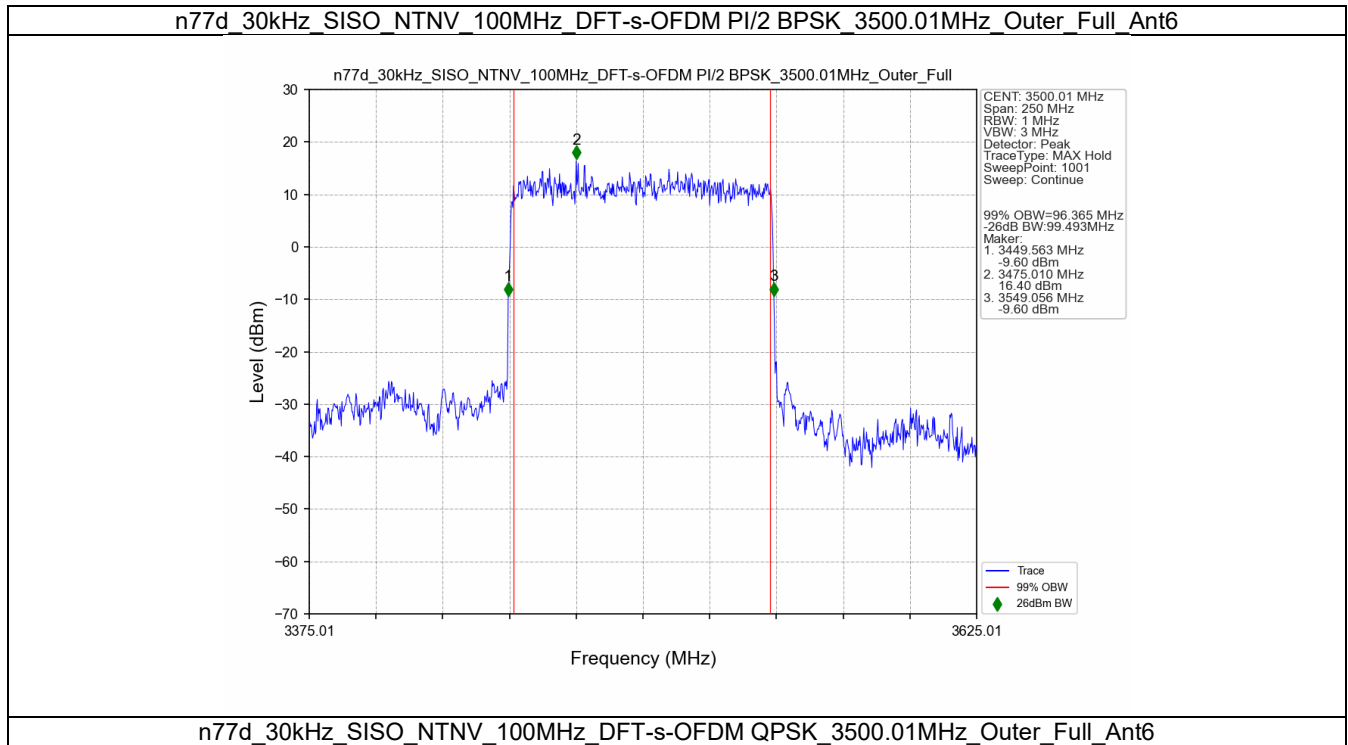
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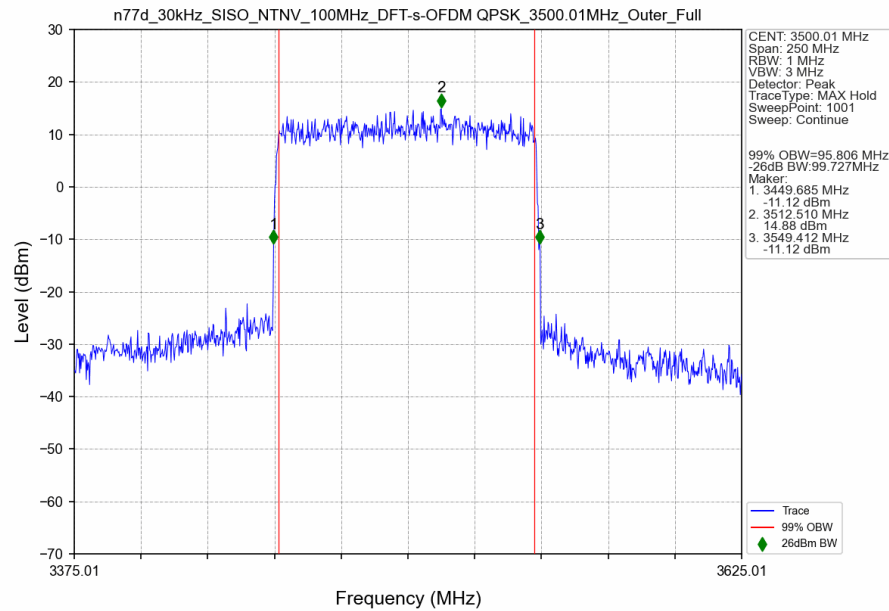


n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant6

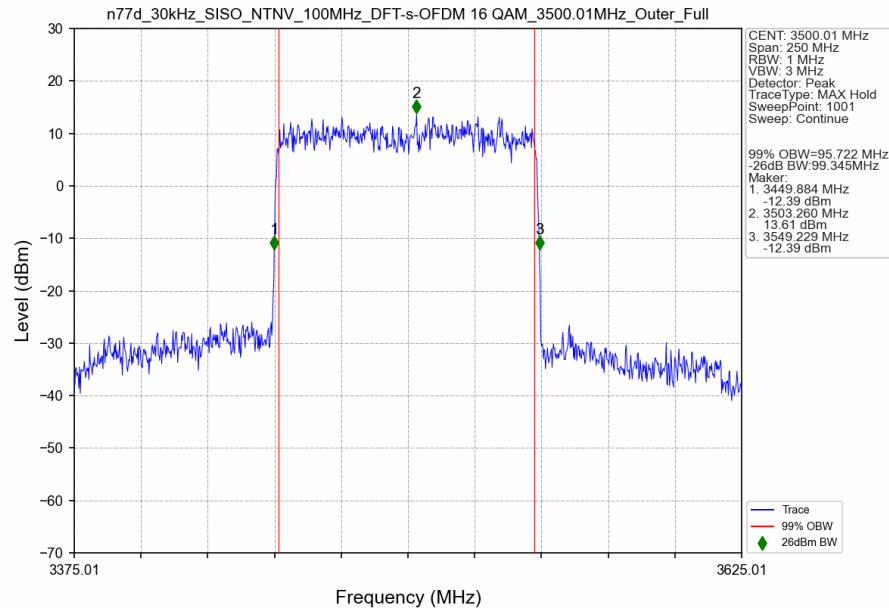


3.2.6 30_S_100M_NTNV

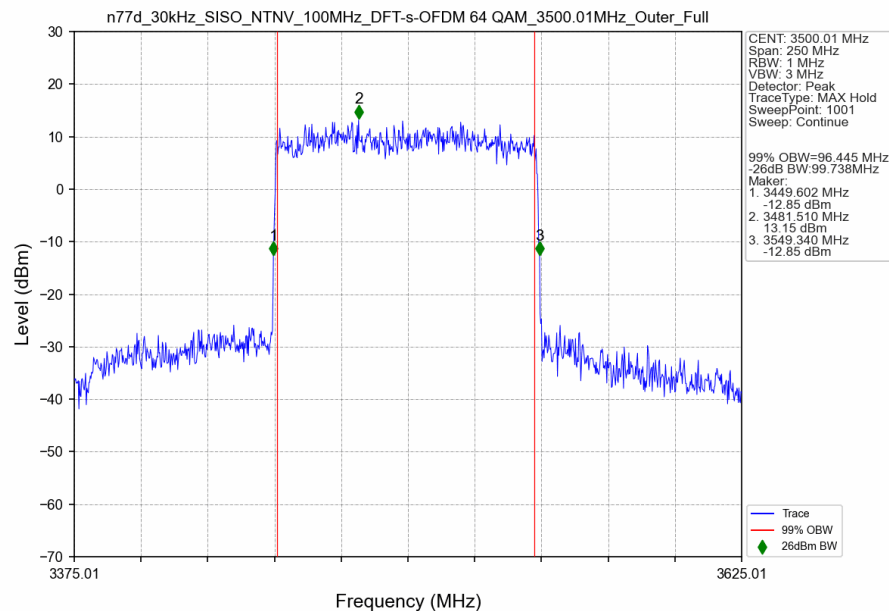




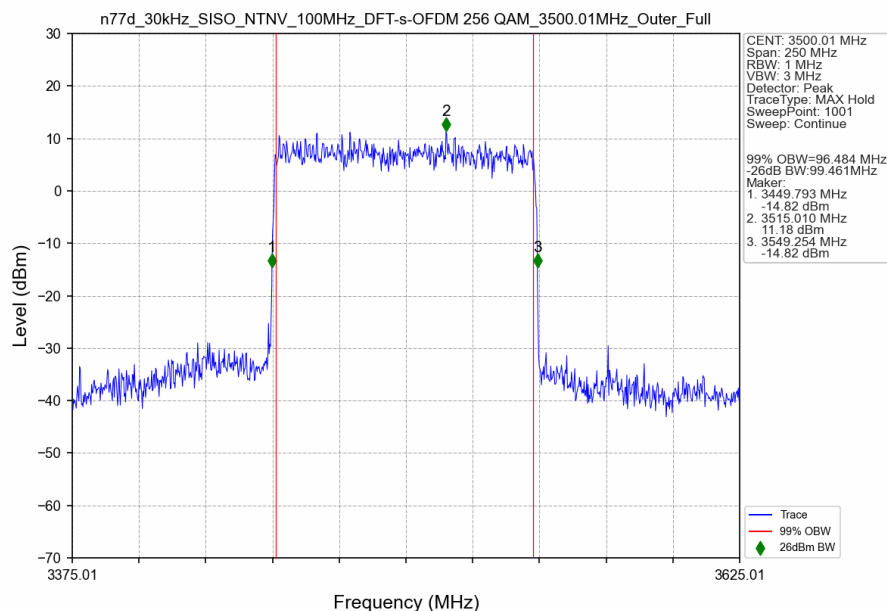
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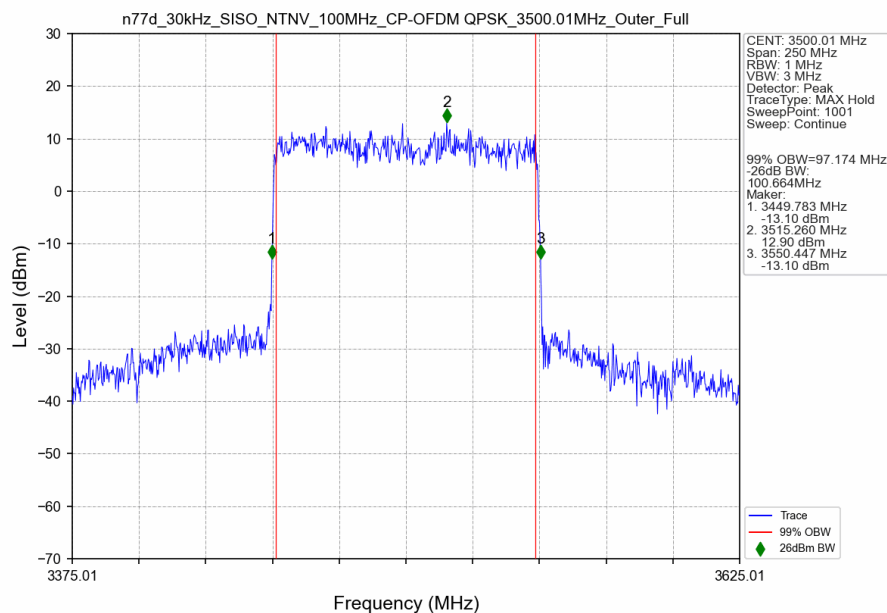
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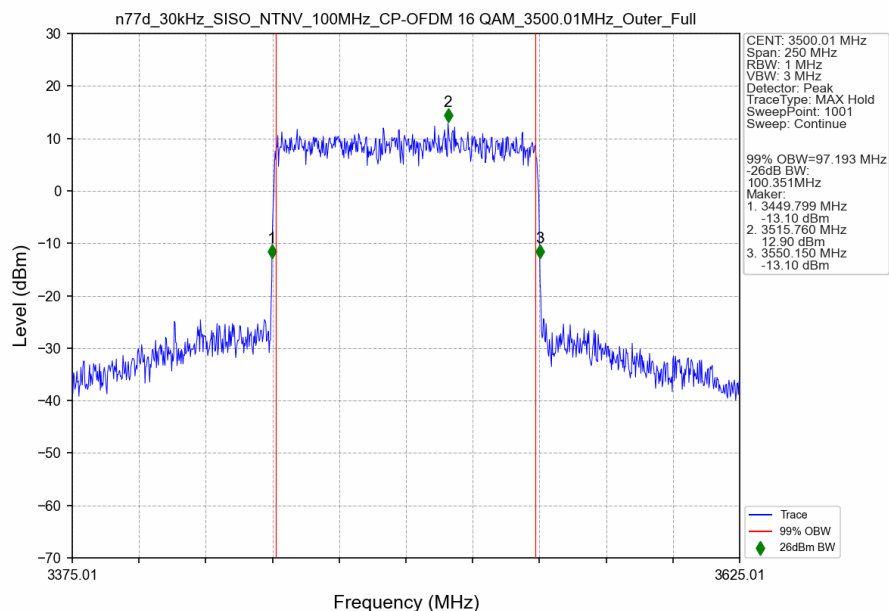
n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 256 QAM 3500.01MHz_Outer_Full_Ant6



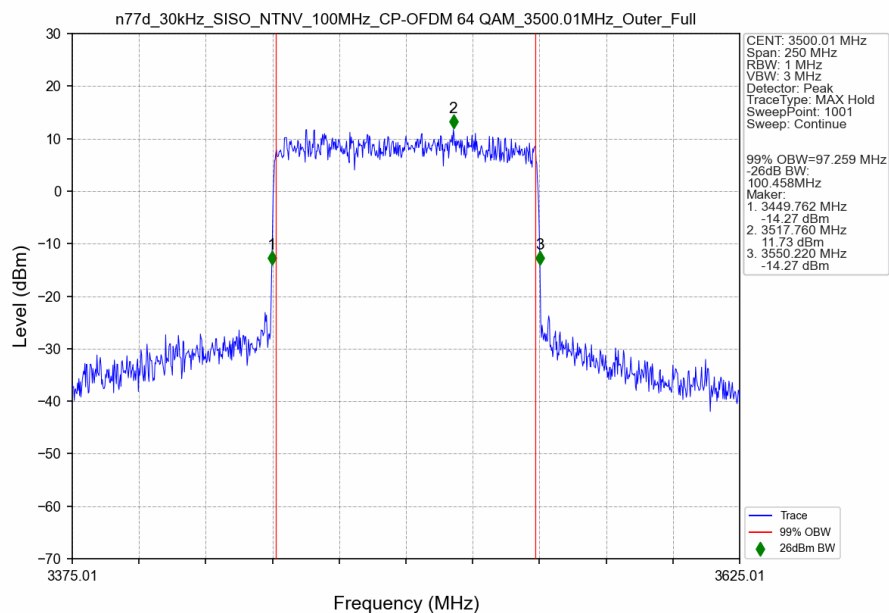
n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK 3500.01MHz_Outer_Full_Ant6



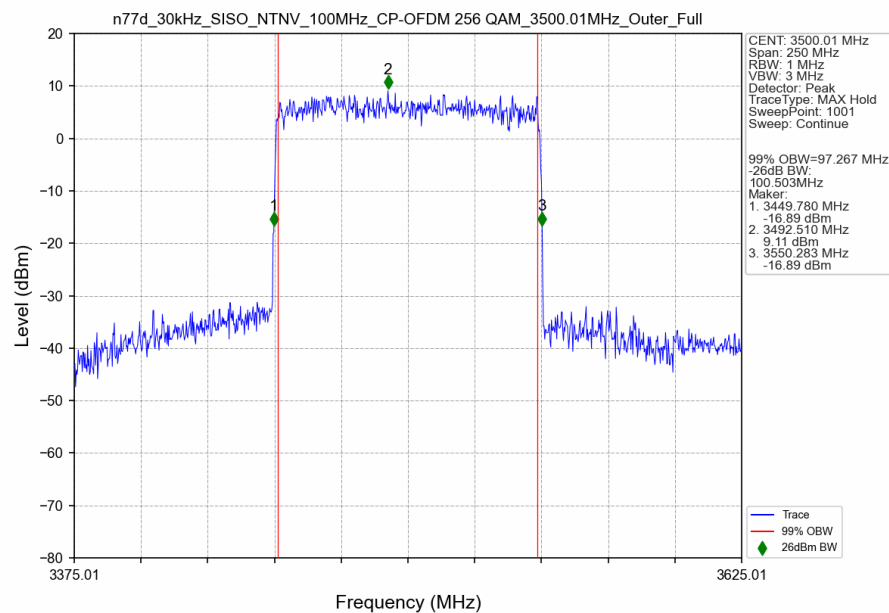
n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM_3500.01MHz_Outer_Full_Ant6



n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full_Ant6



n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM 256 QAM 3500.01MHz_Outer_Full_Ant6





4. Peak-Average Ratio

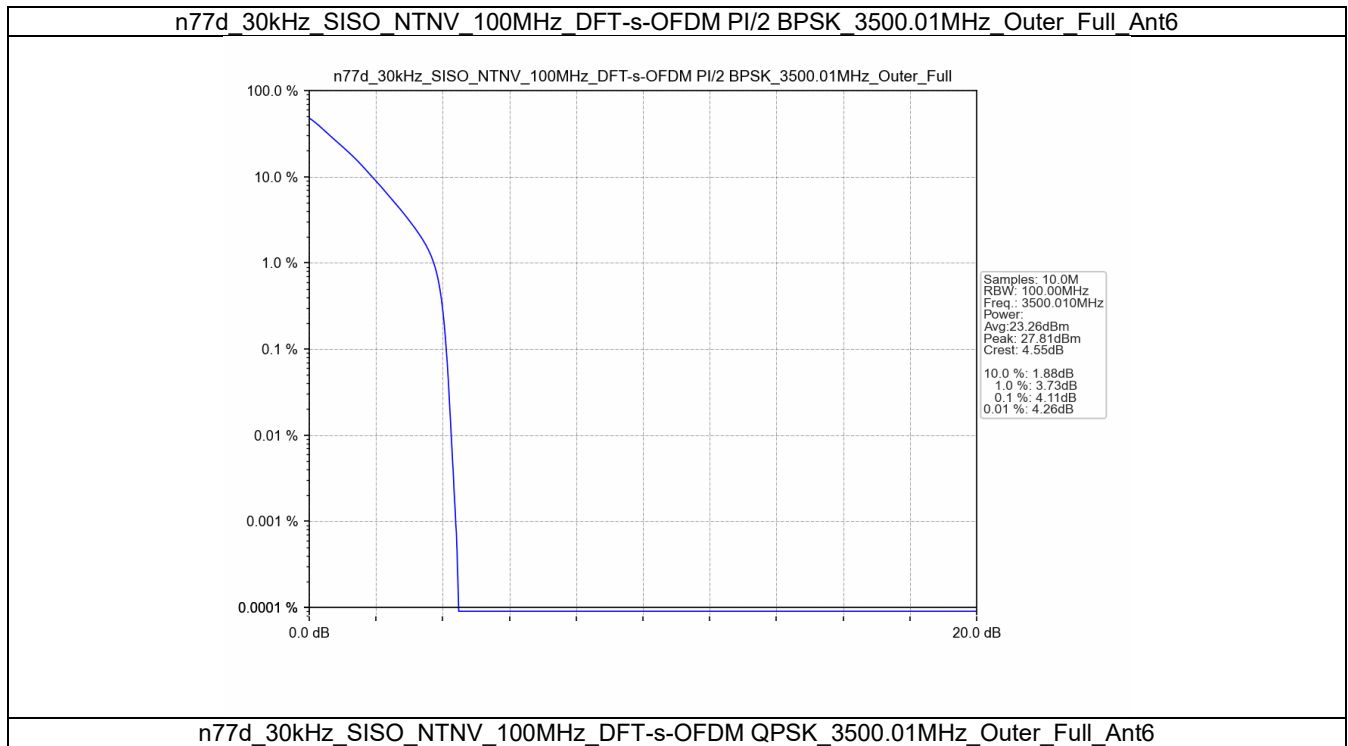
4.1 Test Result

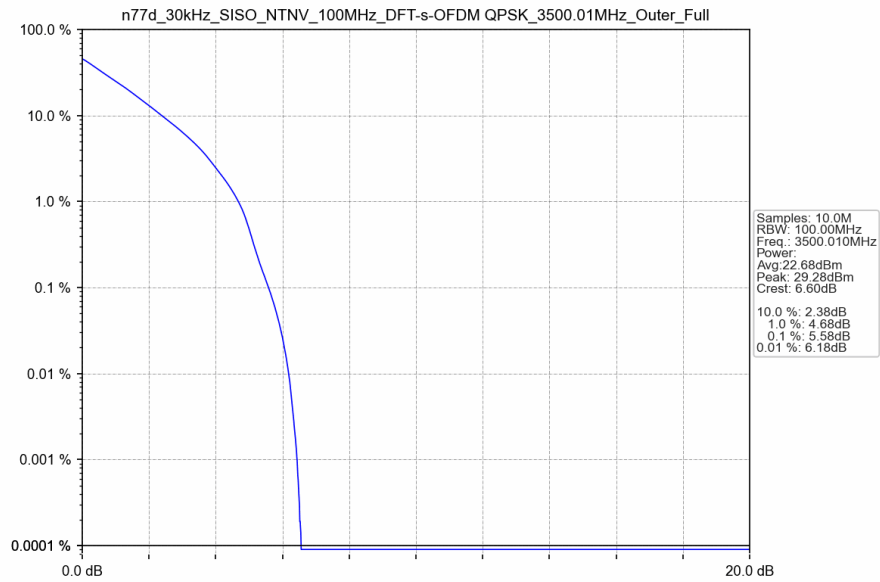
4.1.1 30_S_100M_NTNV

5G NR n77d 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	3500.01	Outer_Full	4.11	/	/	<=13	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	5.58	/	/	<=13	Pass
CP-OFDM QPSK	3500.01	Outer_Full	7.43	/	/	<=13	Pass

4.2 Test Graph

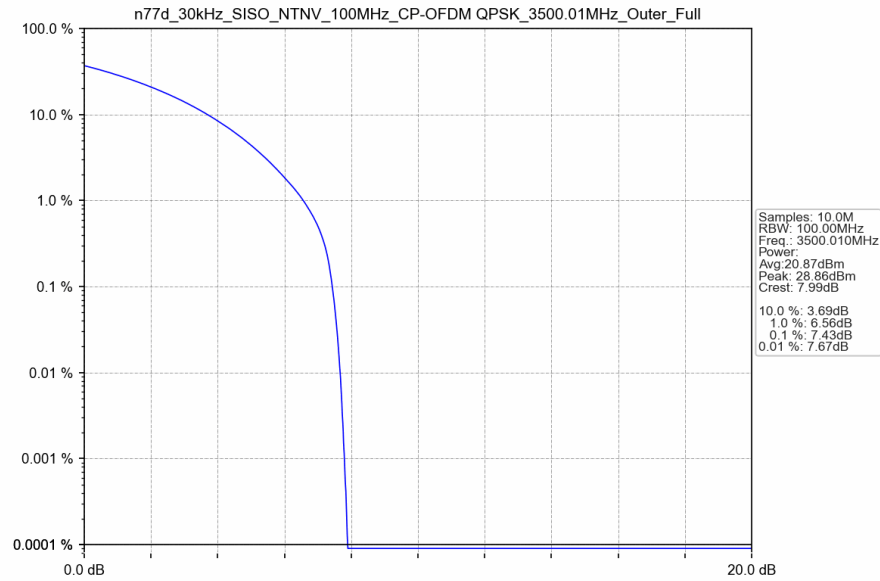
4.2.1 30_S_100M_NTNV







n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3500.01MHz_Outer_Full_Ant6





5. Spurious Emission

5.1 Test Result

5.1.1 30_S_20M_NTNV

5G NR n77d SCS=30kHz SISO 20MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant6	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
	Outer_Full		Refer To Test Graph				Pass	
CP-OFDM QPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass

5.1.2 30_S_80M_NTNV

5G NR n77d SCS=30kHz SISO 80MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant6	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3490.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3510	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3490.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3510	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3490.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3510	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass



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5.1.3 30_S_100M_NTNV

5G NR n77d SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant6	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3499.98	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3499.98	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3499.98	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass