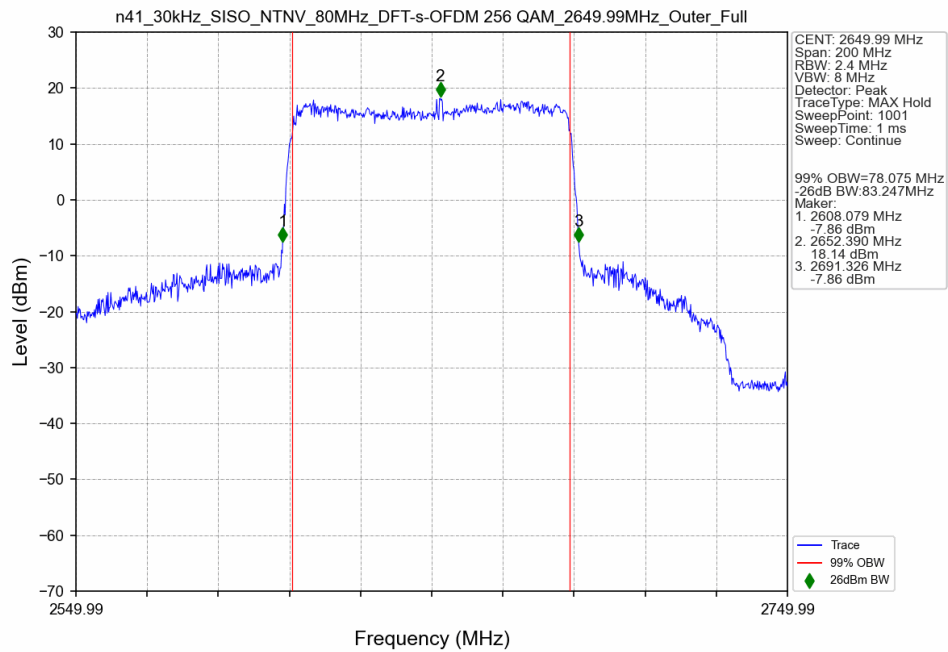
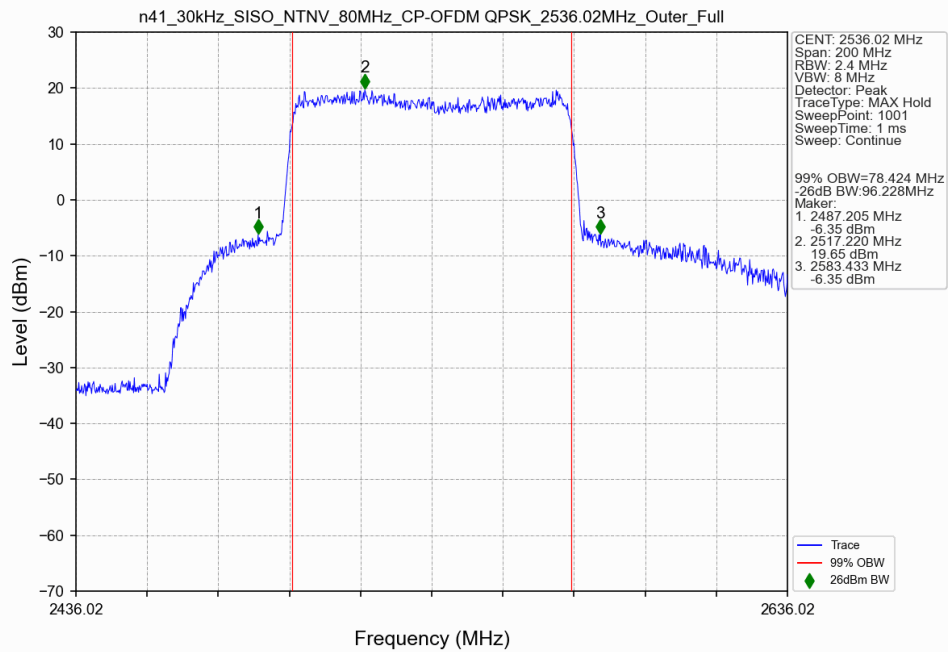


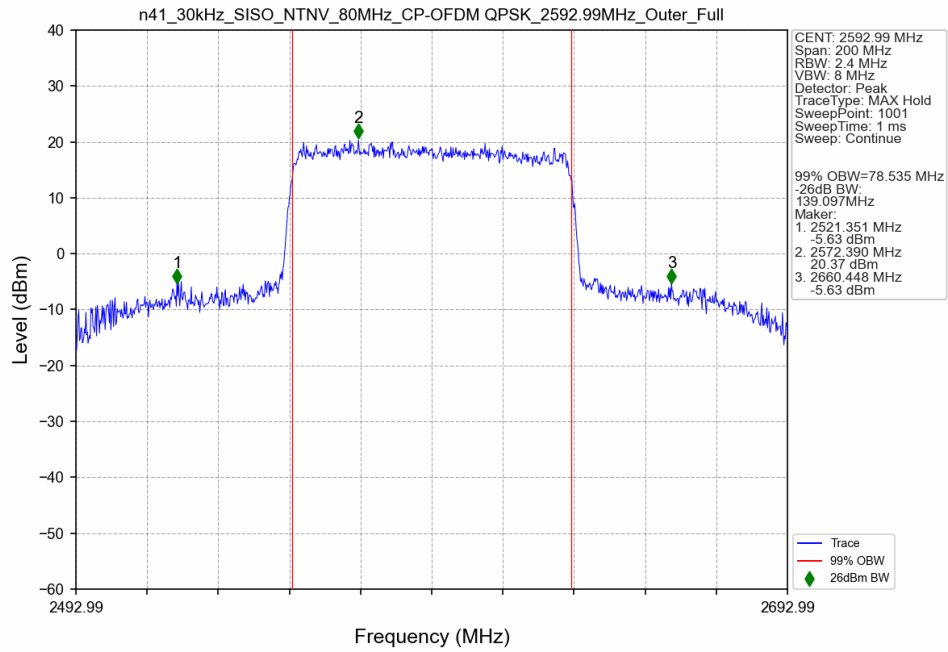
n41_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_2649.99MHz_Outer_Full_Ant2



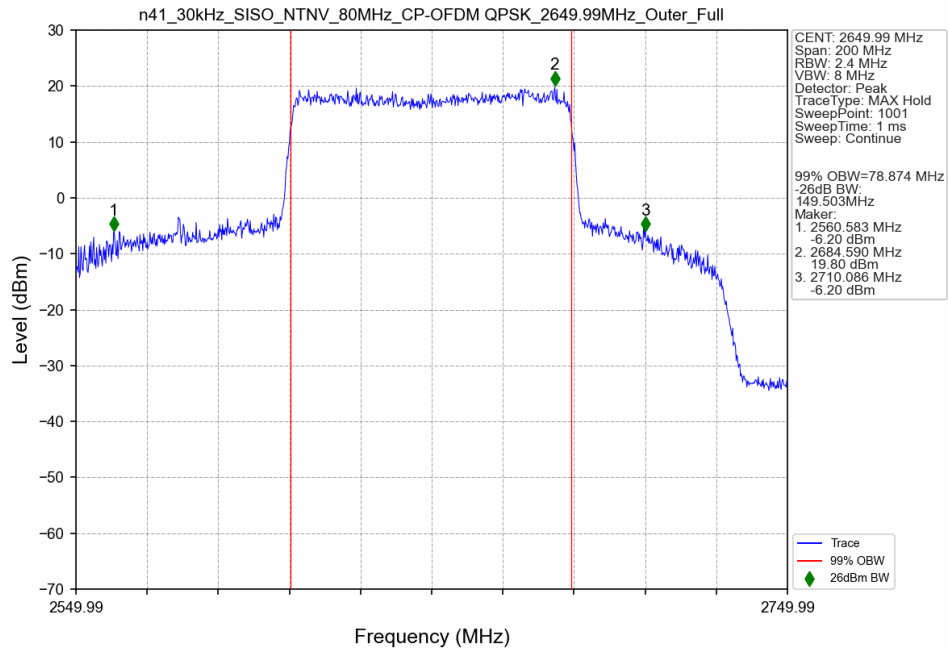
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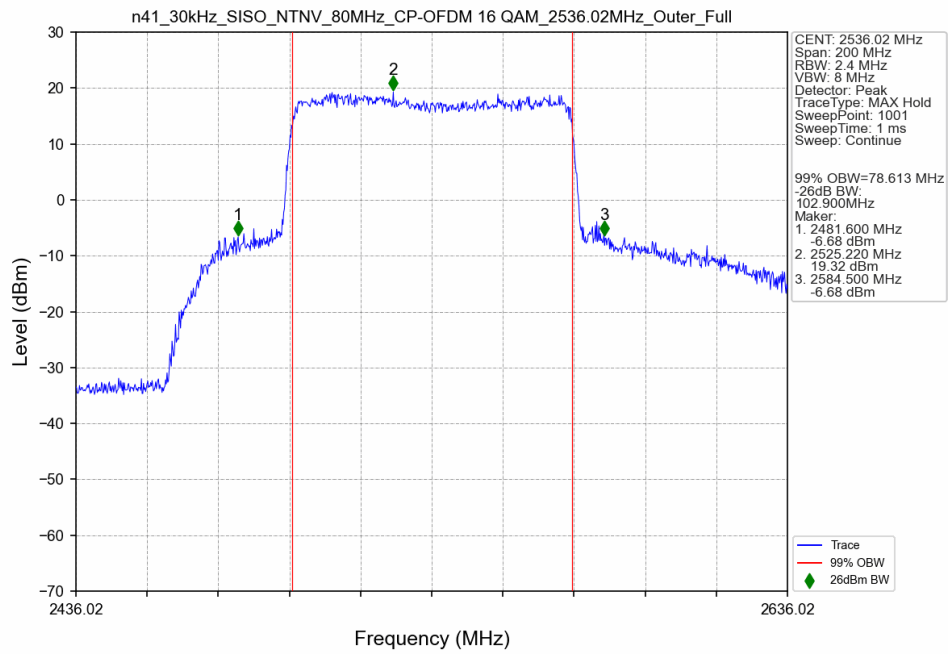
n41_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_2592.99MHz_Outer_Full_Ant2



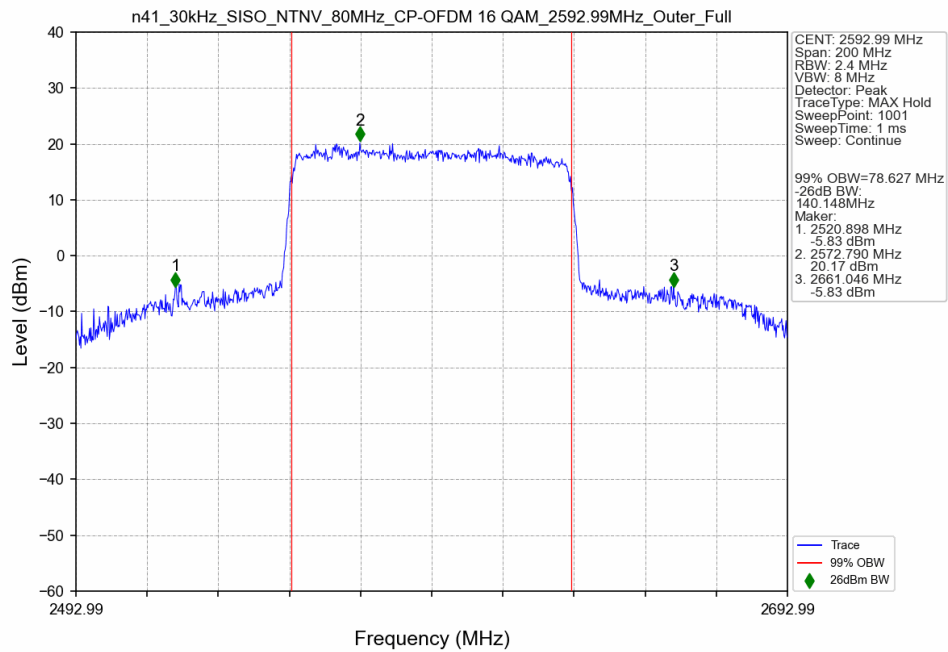
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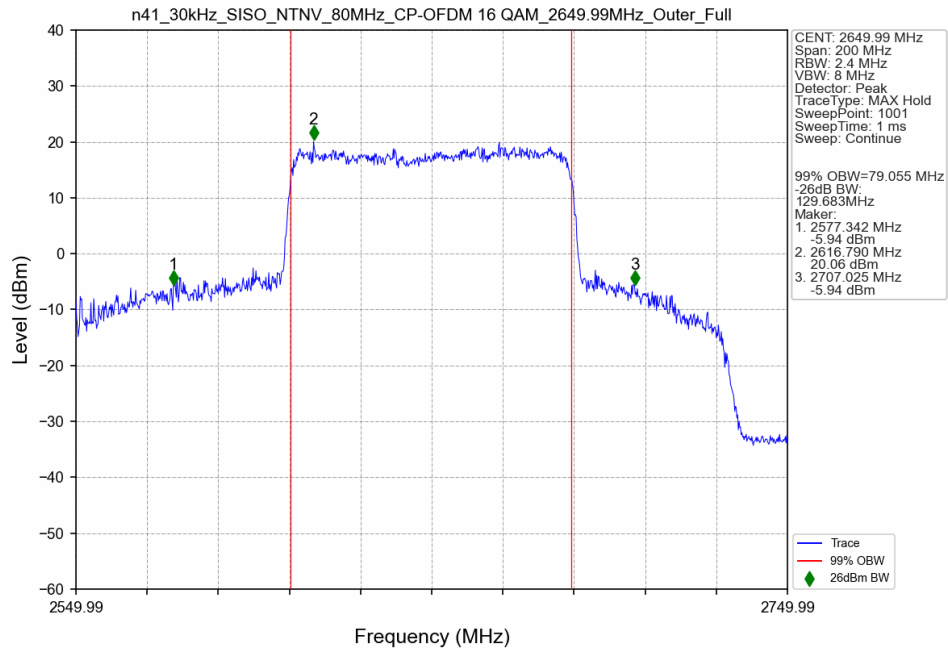
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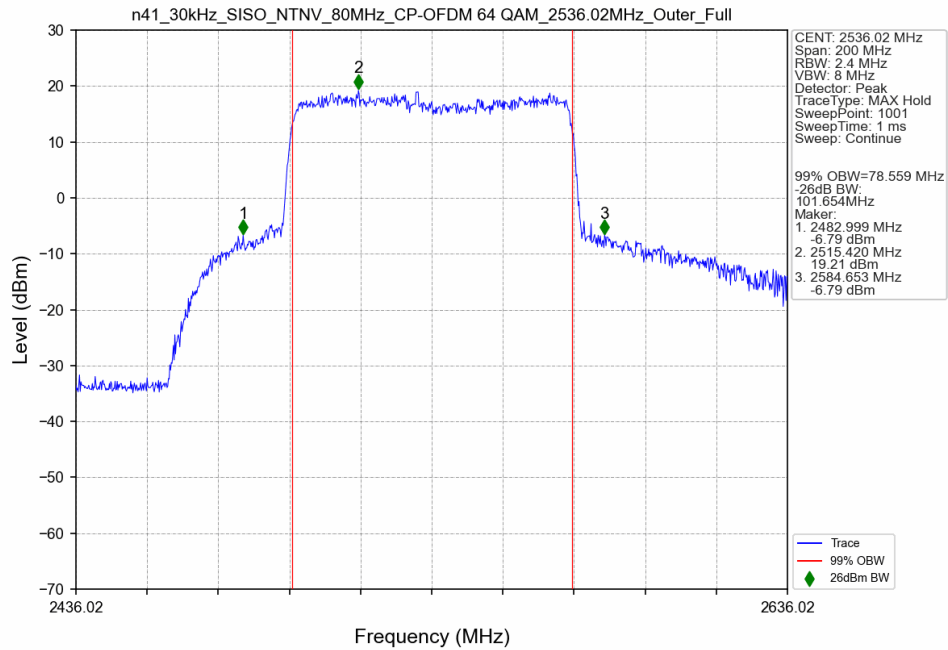
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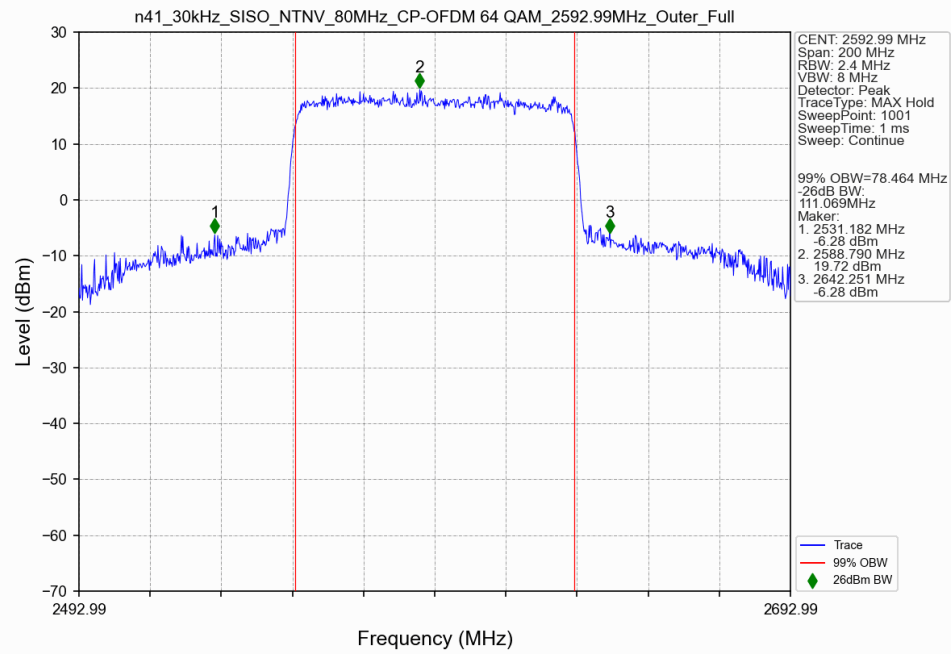
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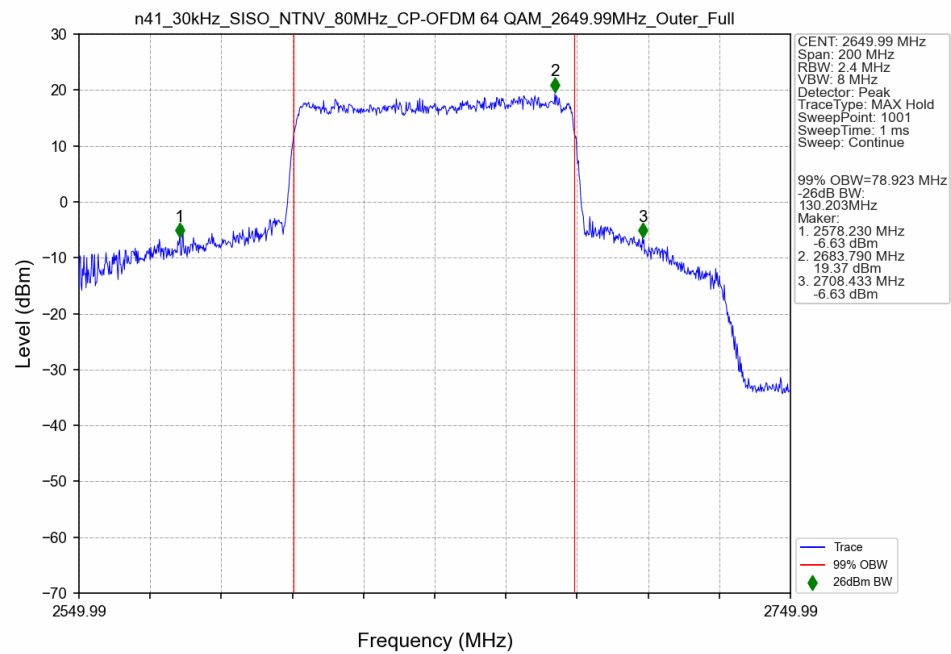
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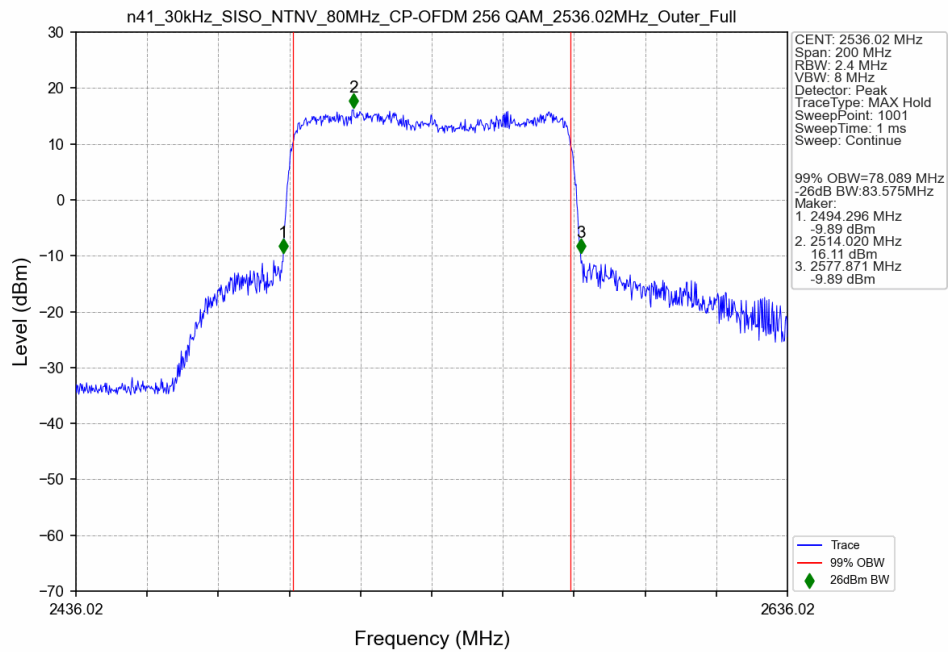
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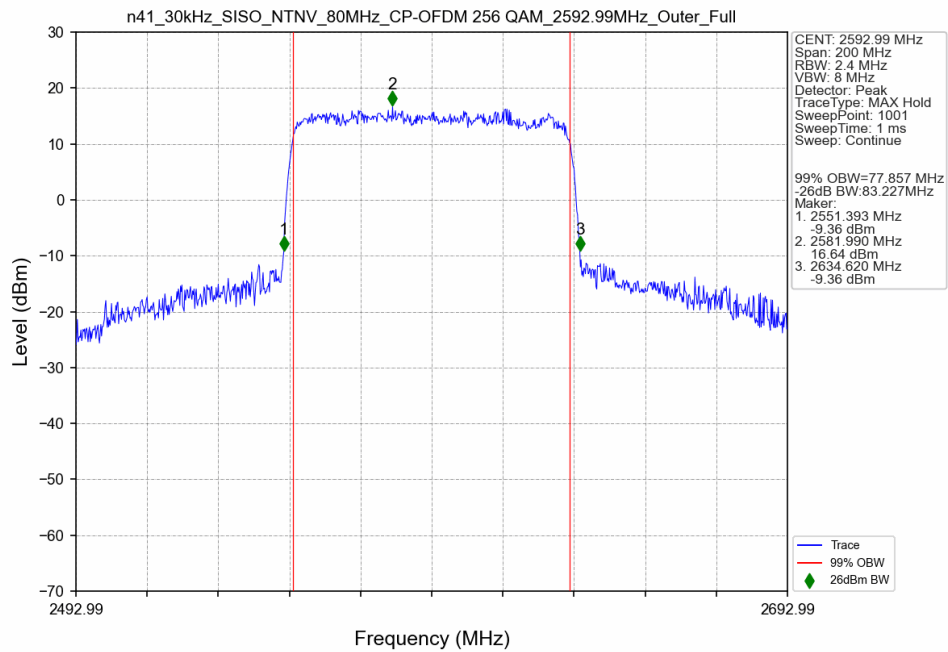
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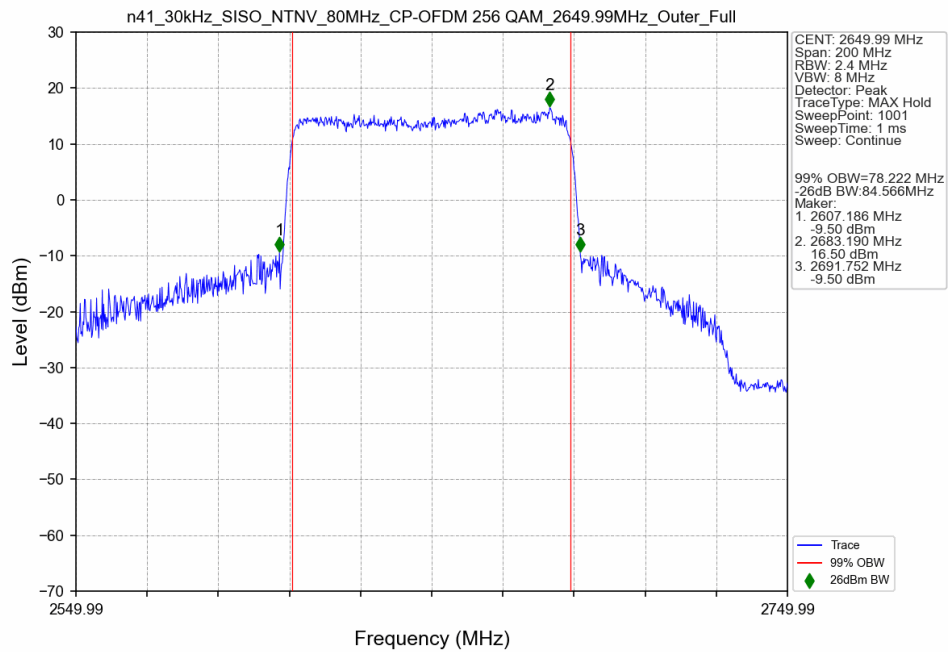


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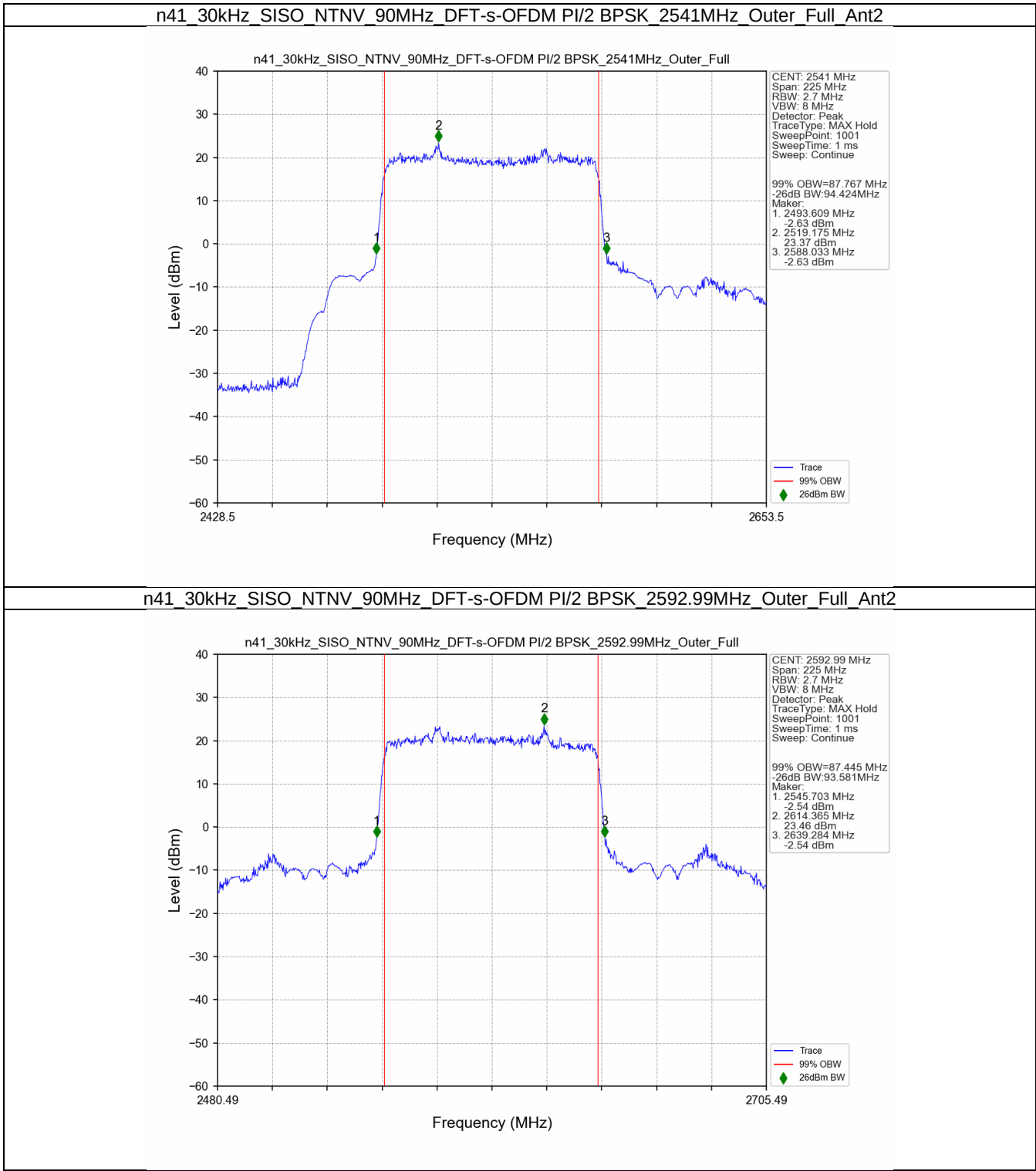


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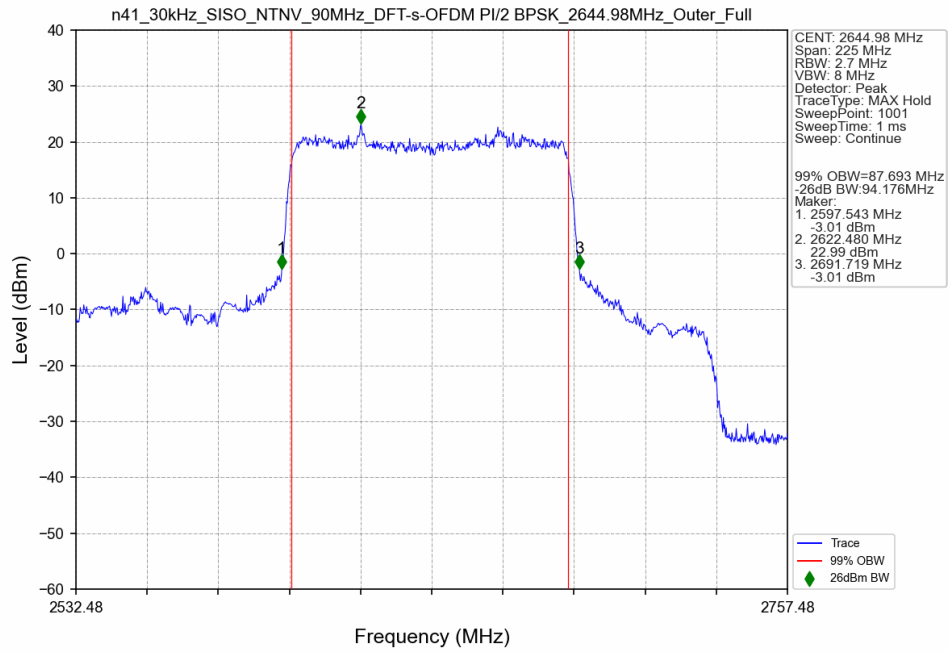




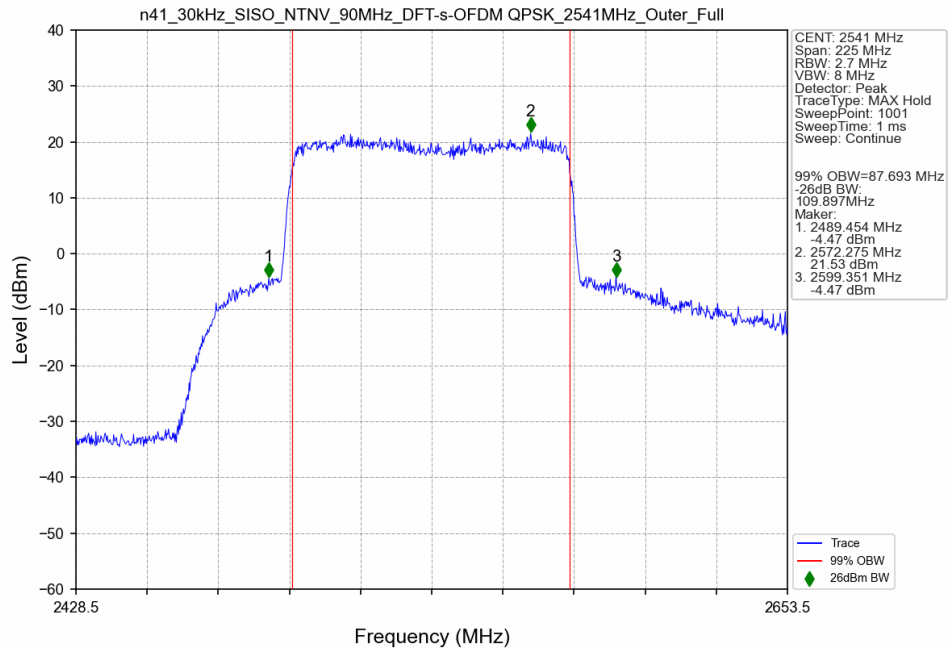
3.2.8 30k_SISO_90MHz_NTNV



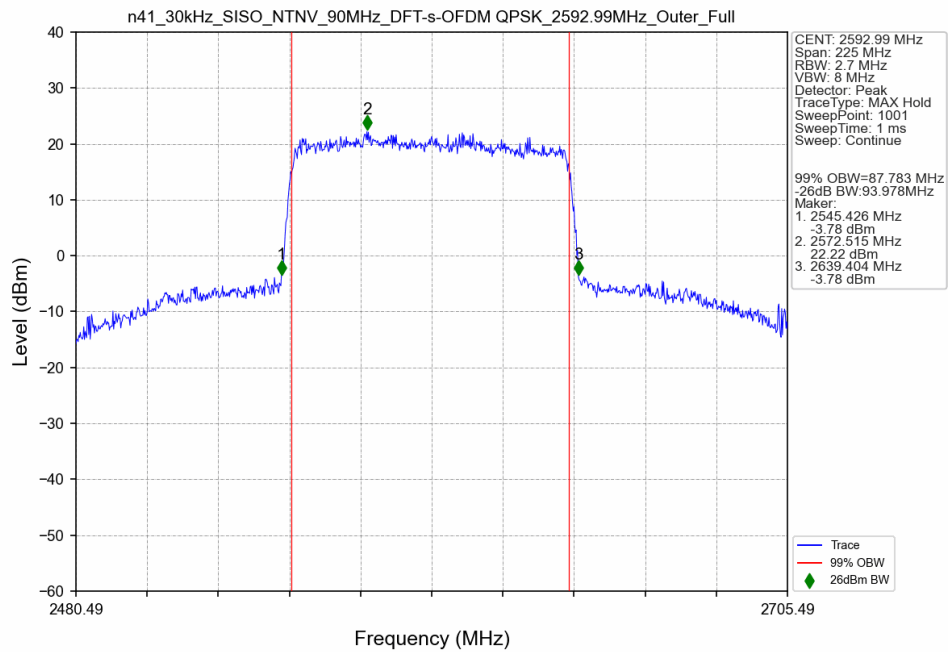
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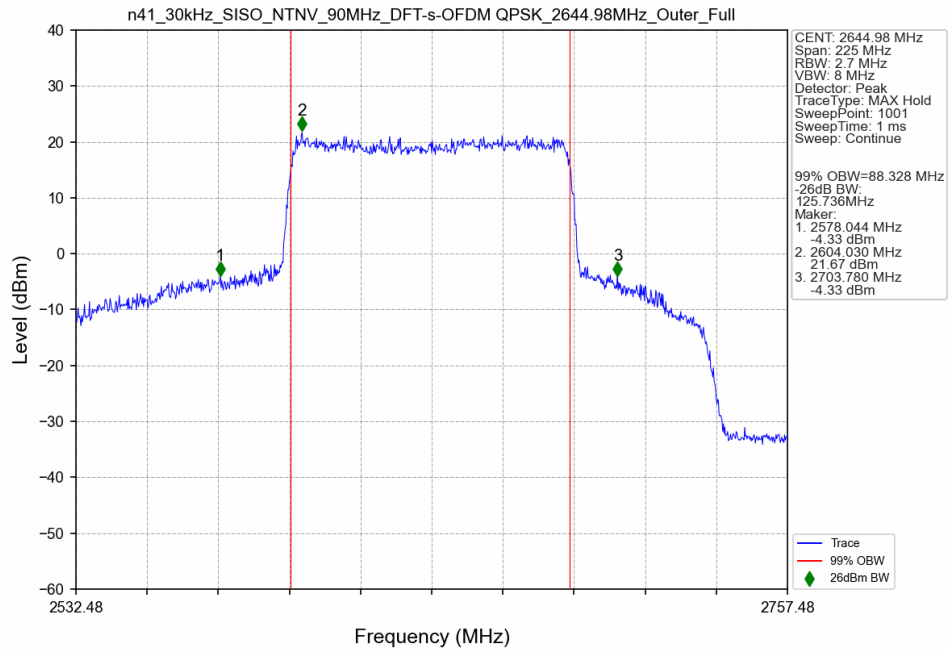
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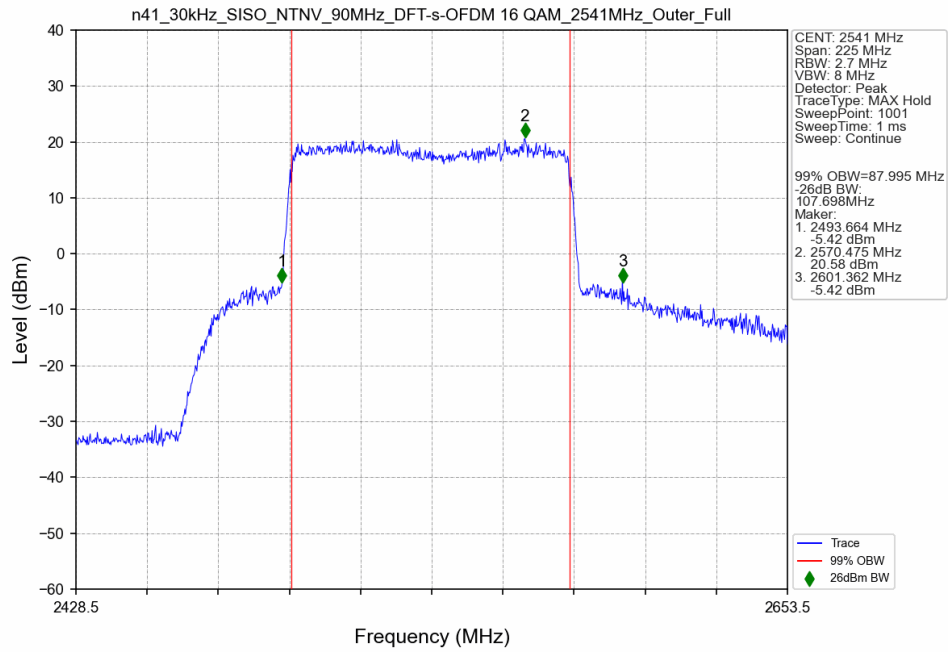
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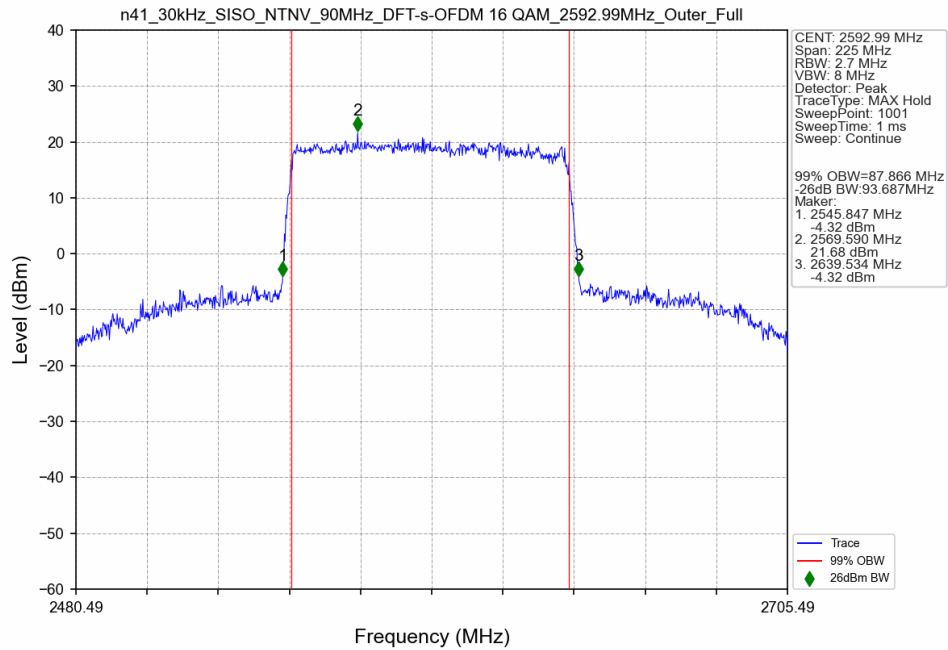
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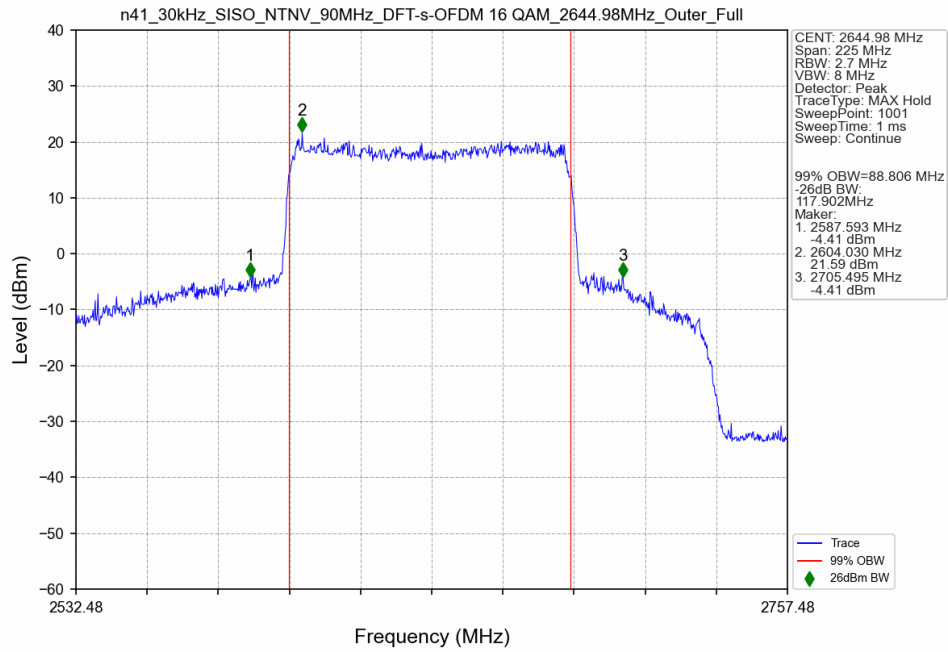
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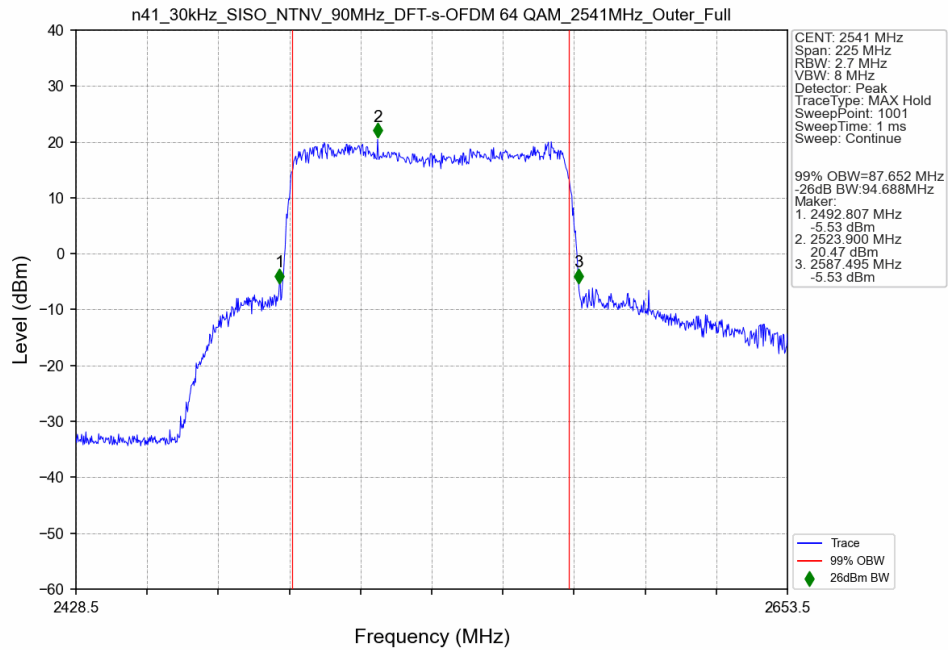
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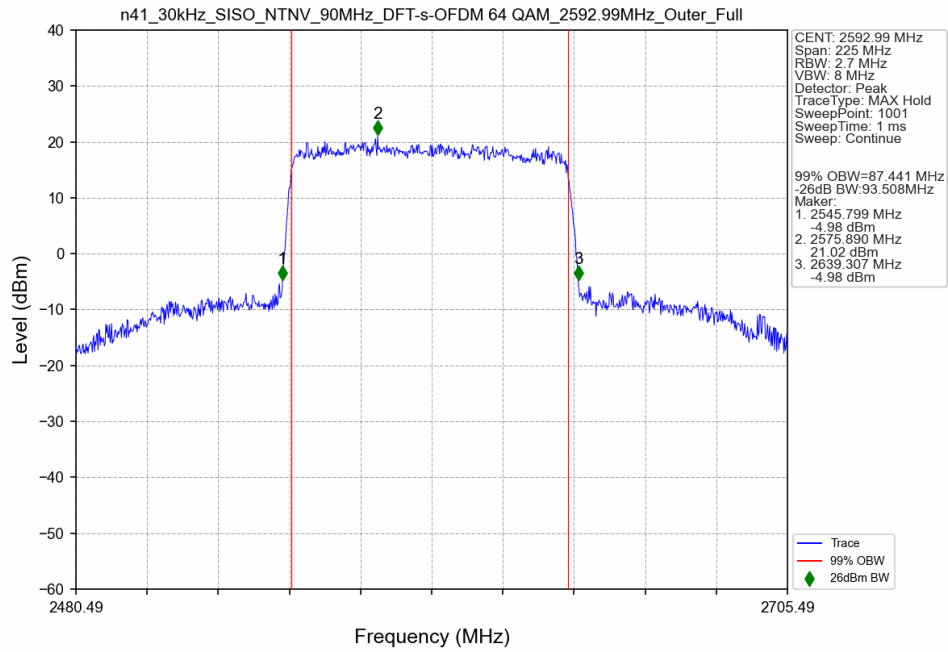
n41 30kHz SISO NTN 90MHz DFT-s-OFDM 16 QAM 2644.98MHz Outer Full Ant2



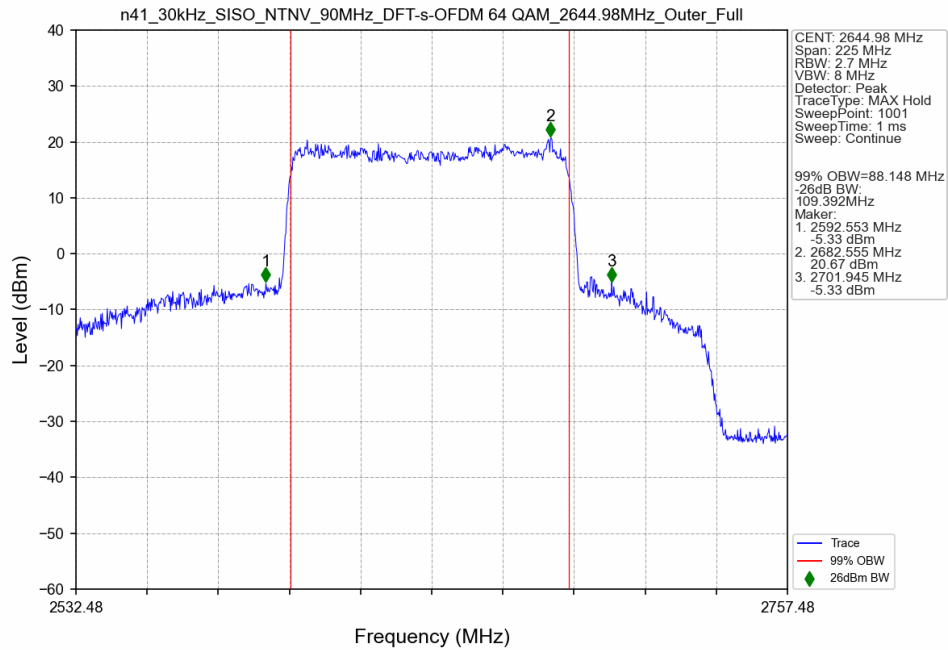
n41 30kHz SISO NTN 90MHz DFT-s-OFDM 64 QAM 2541MHz Outer Full Ant2



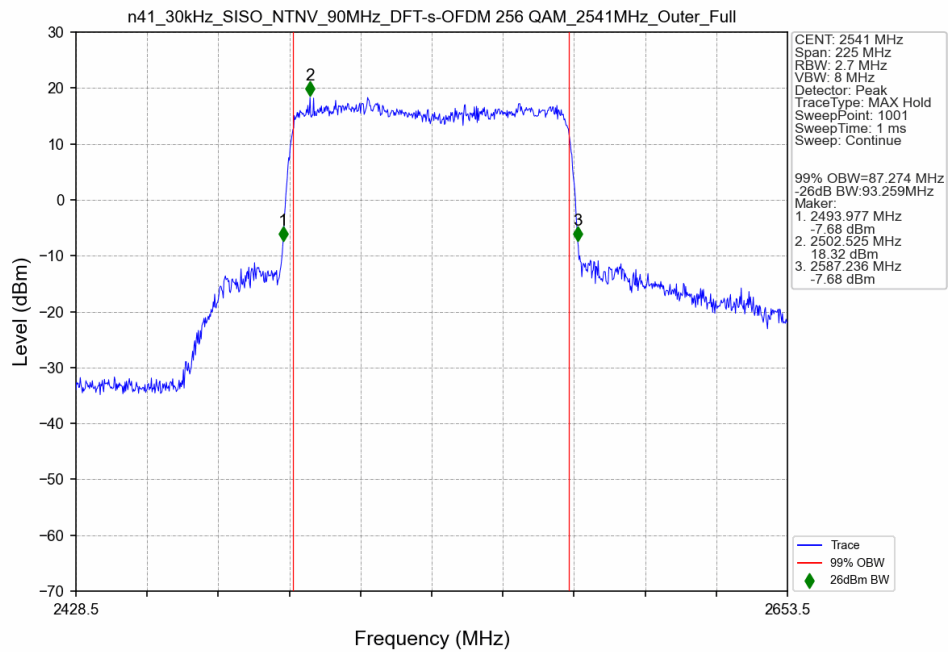
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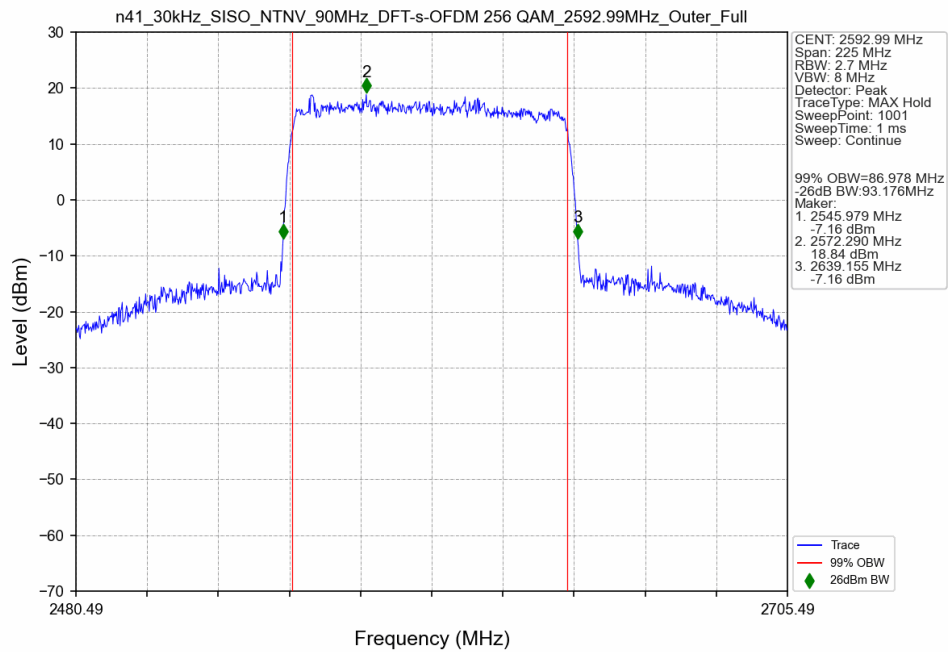
n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_2644.98MHz_Outer_Full_Ant2



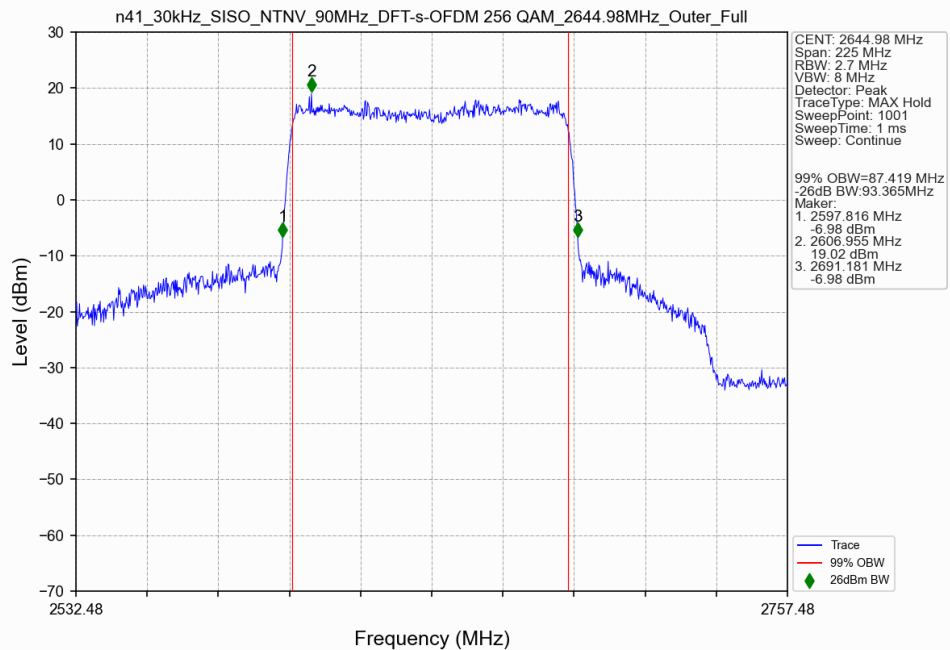
n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_2541MHz_Outer_Full_Ant2



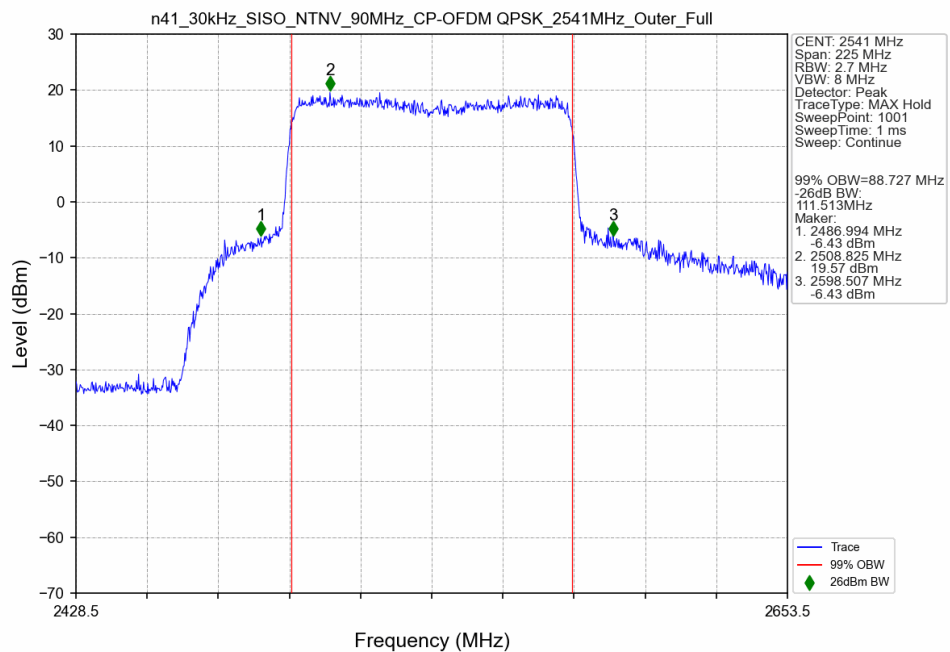
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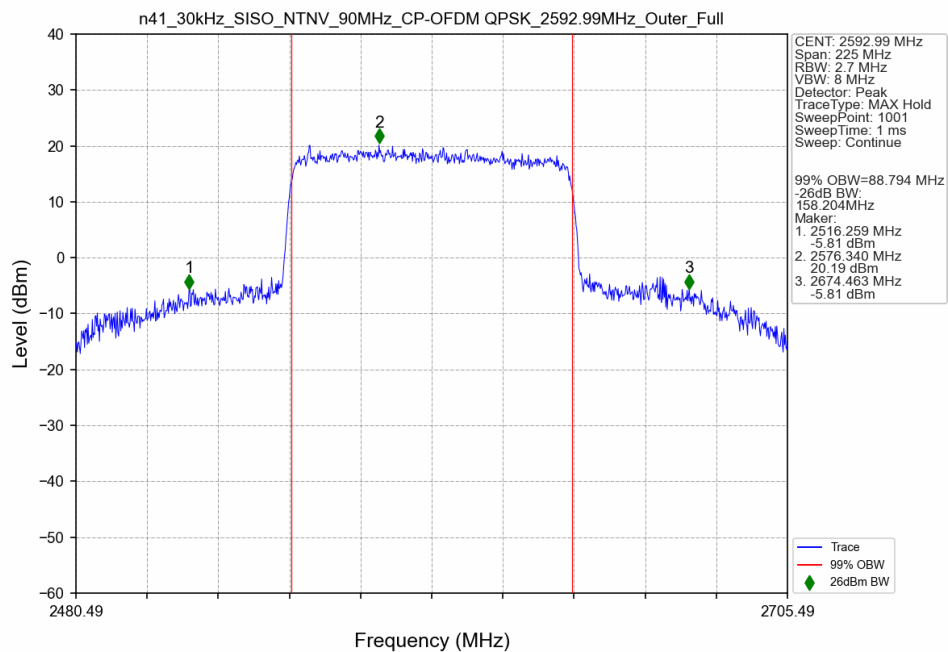
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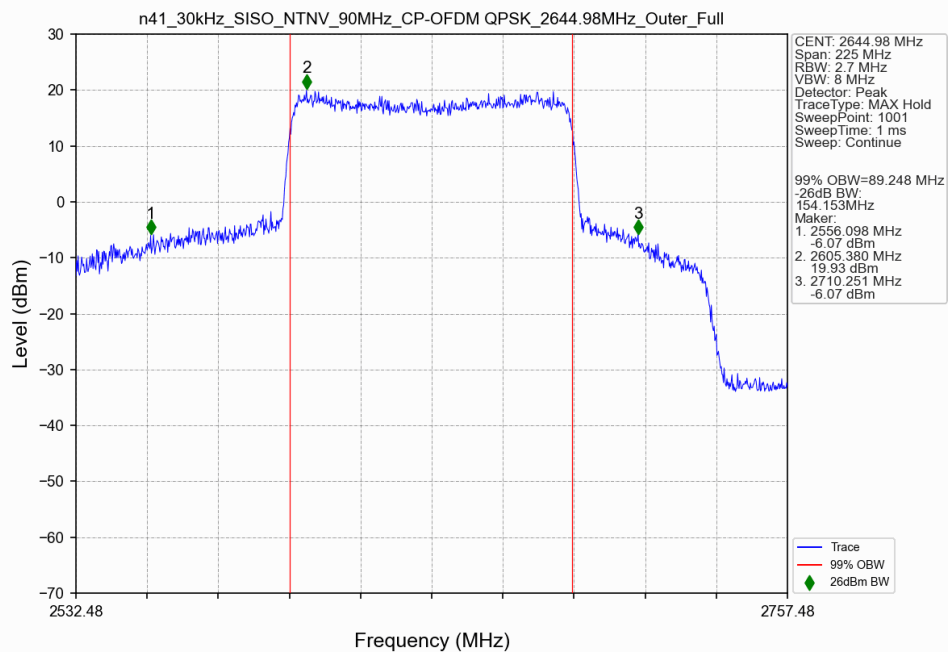
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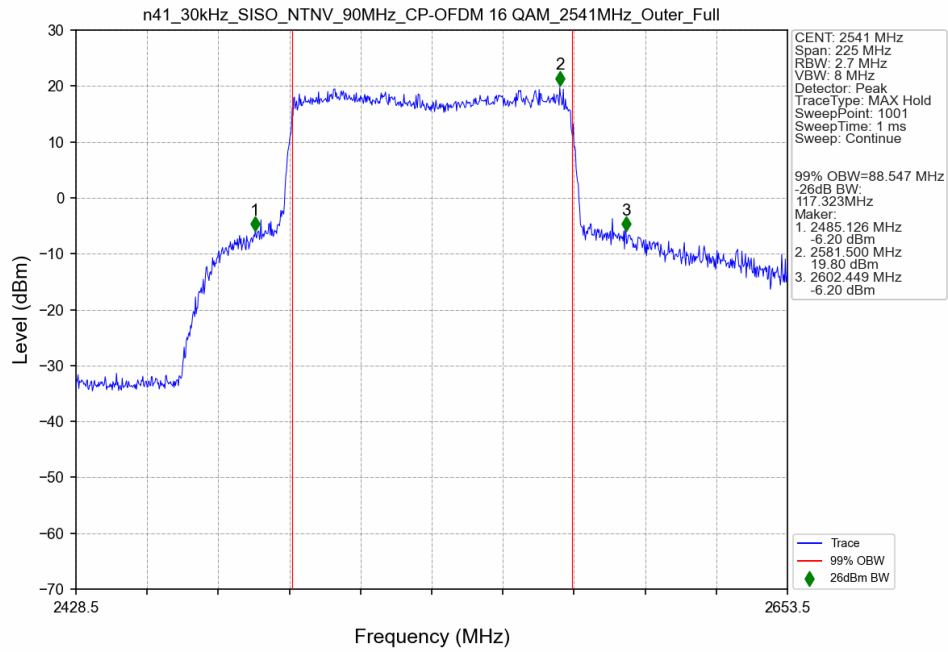
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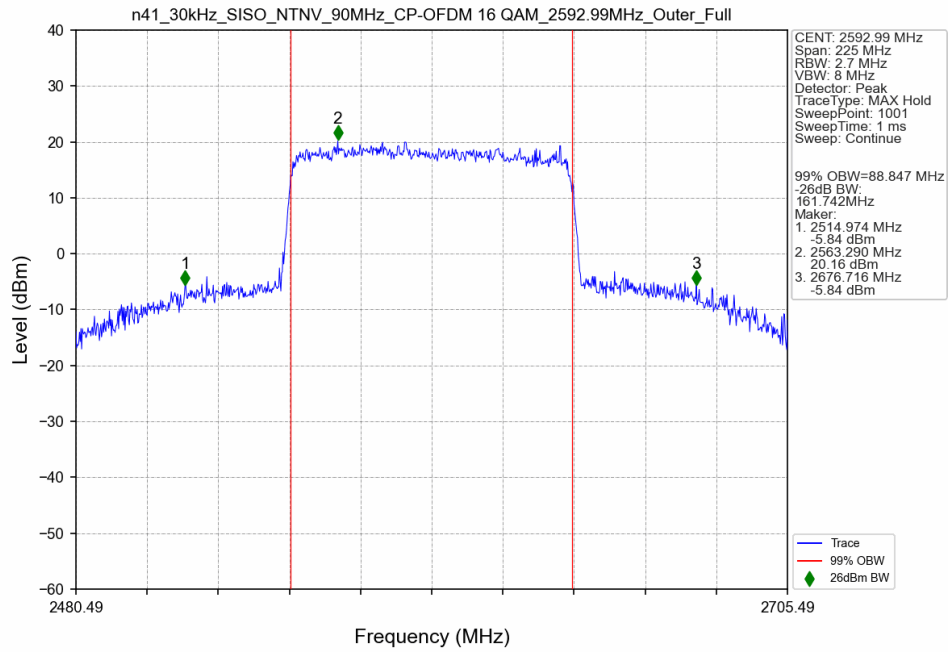
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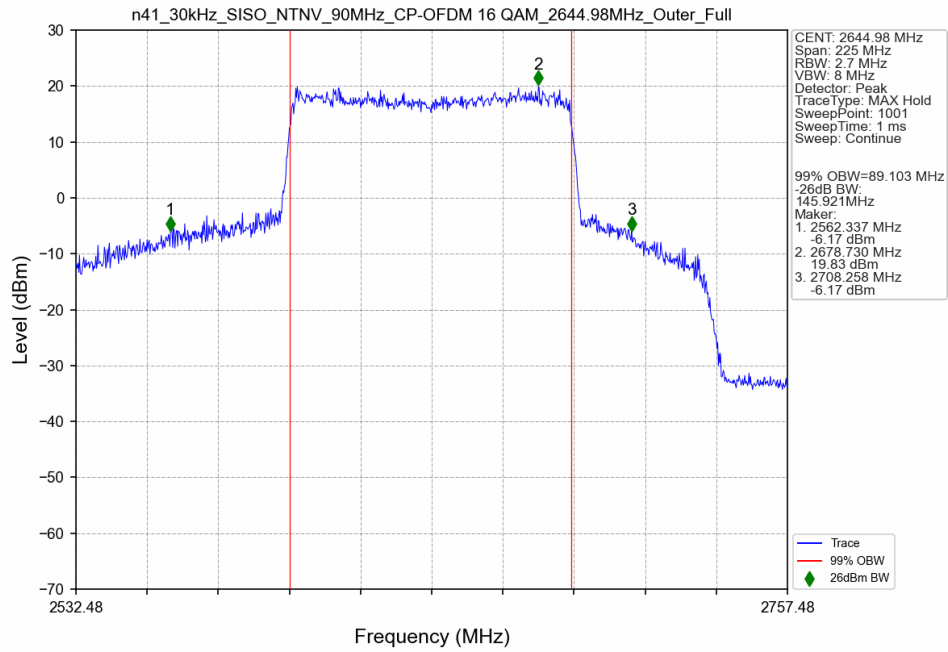
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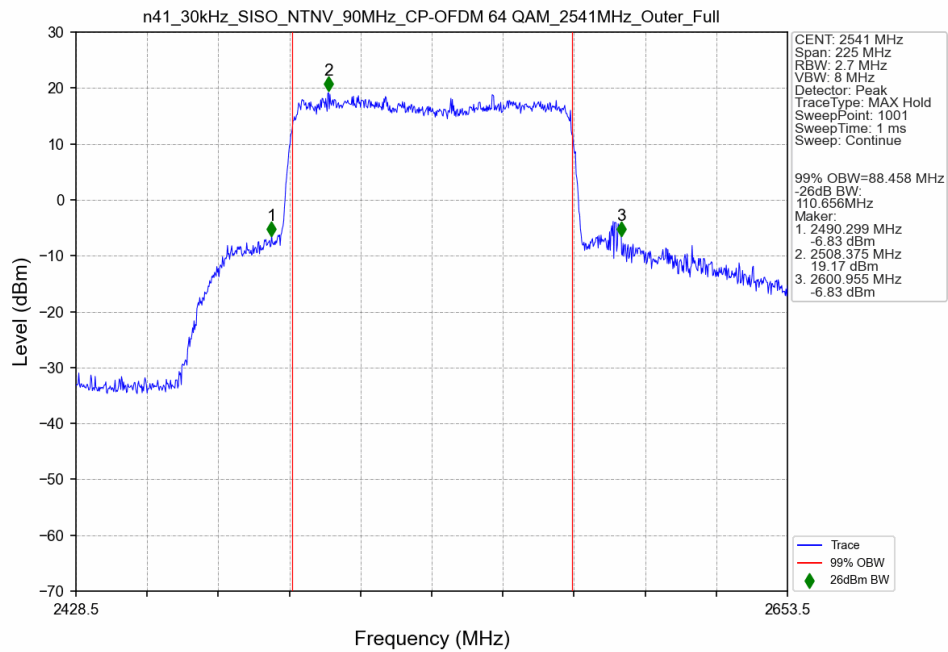
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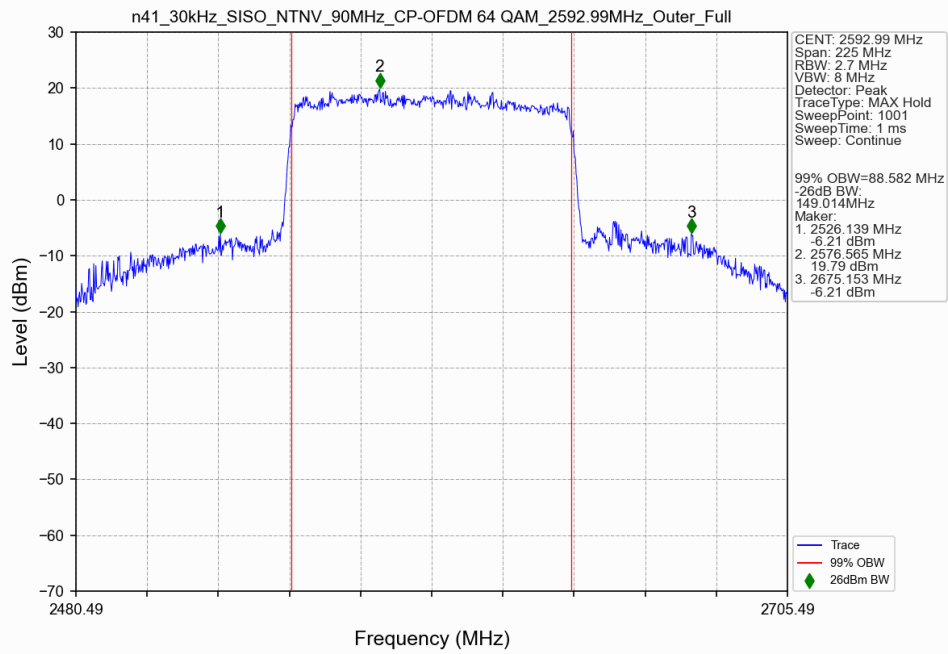
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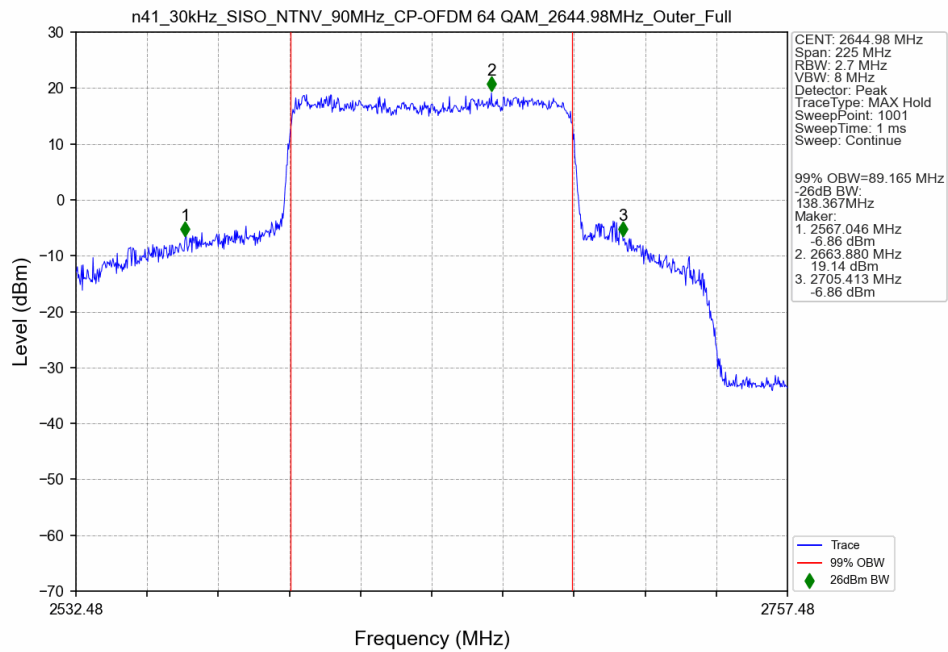
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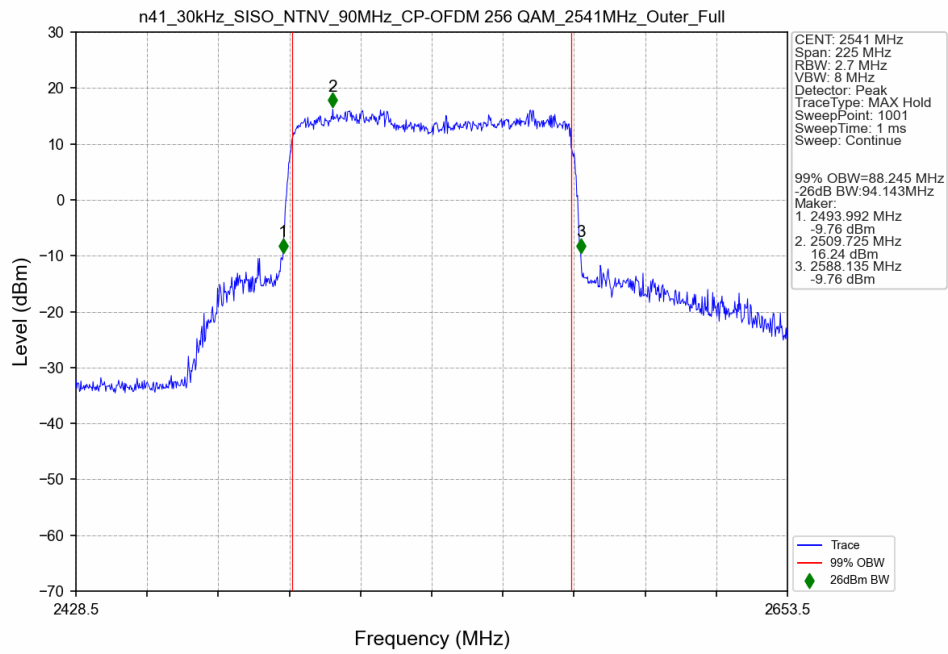
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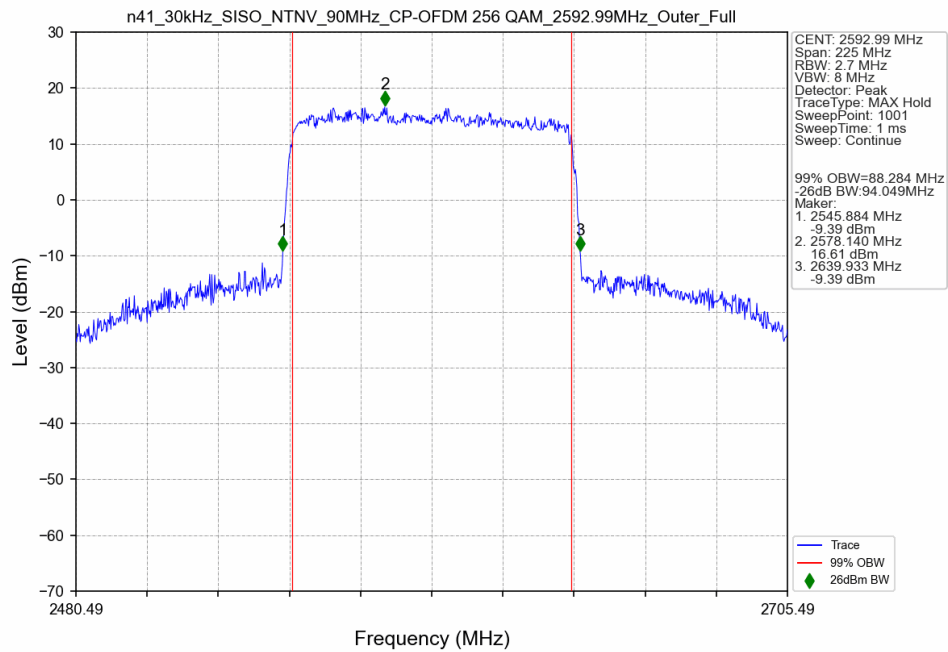
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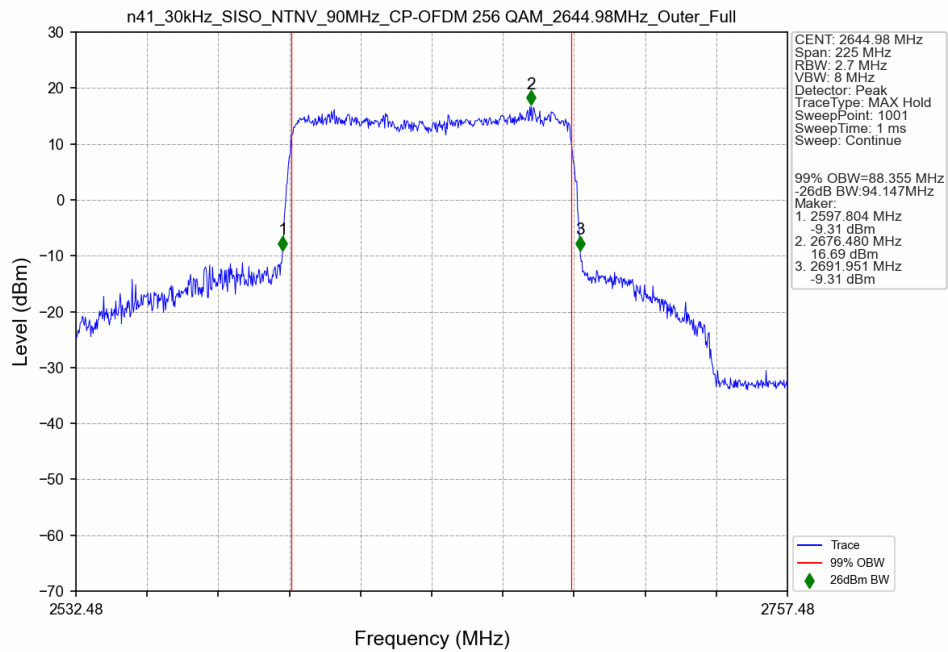


n41_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_2541MHz_Outer_Full_Ant2

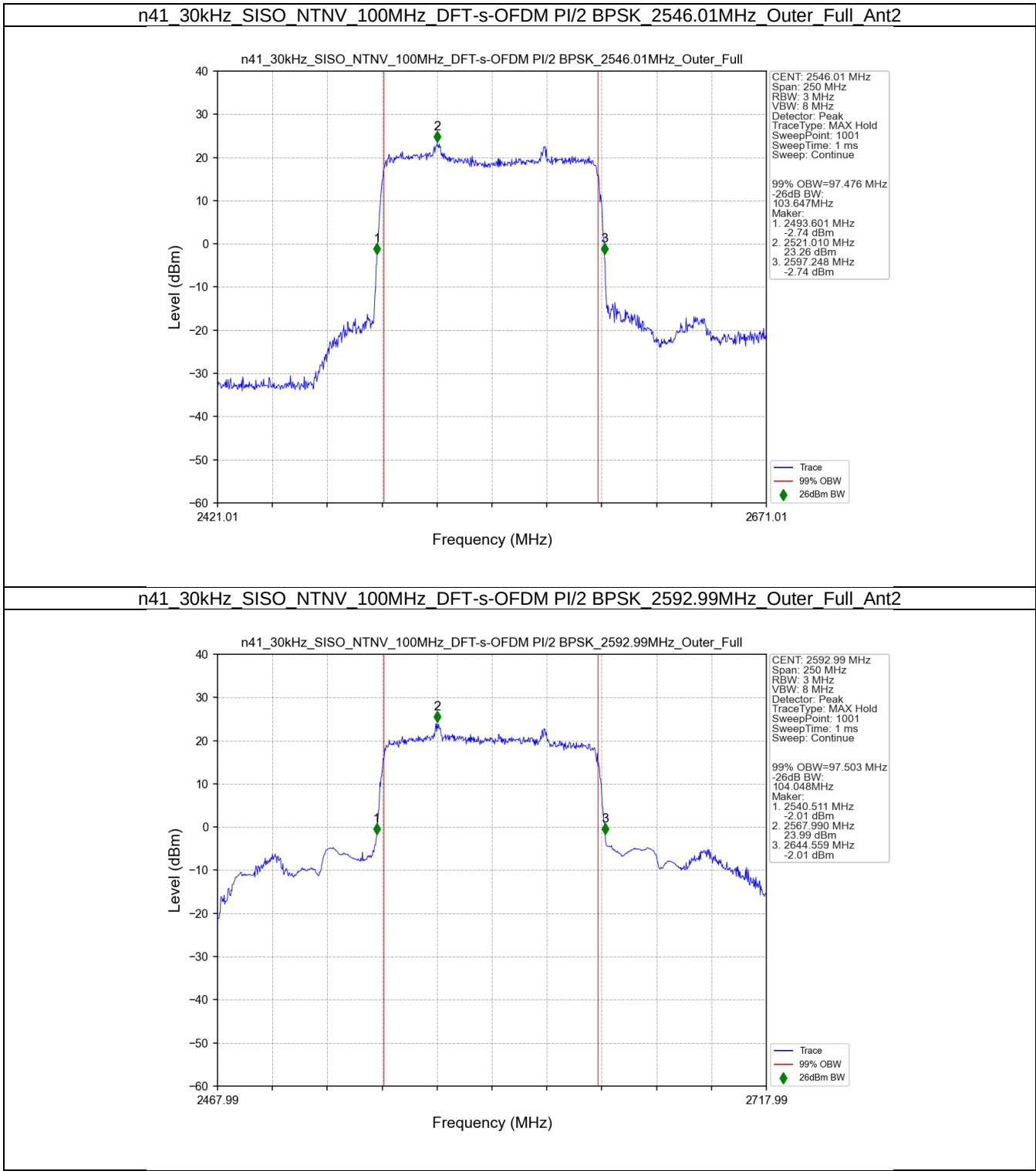


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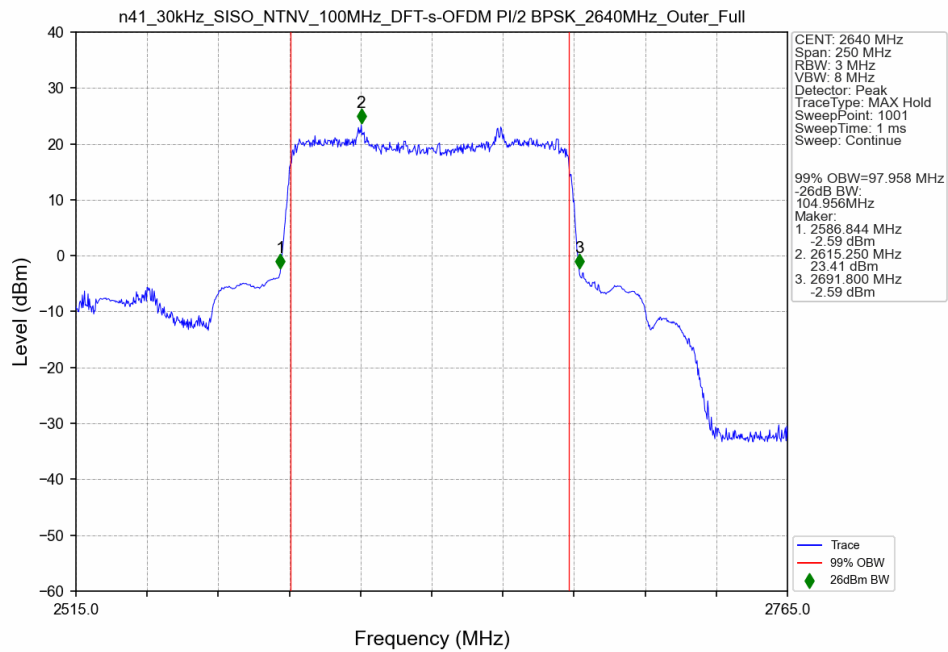




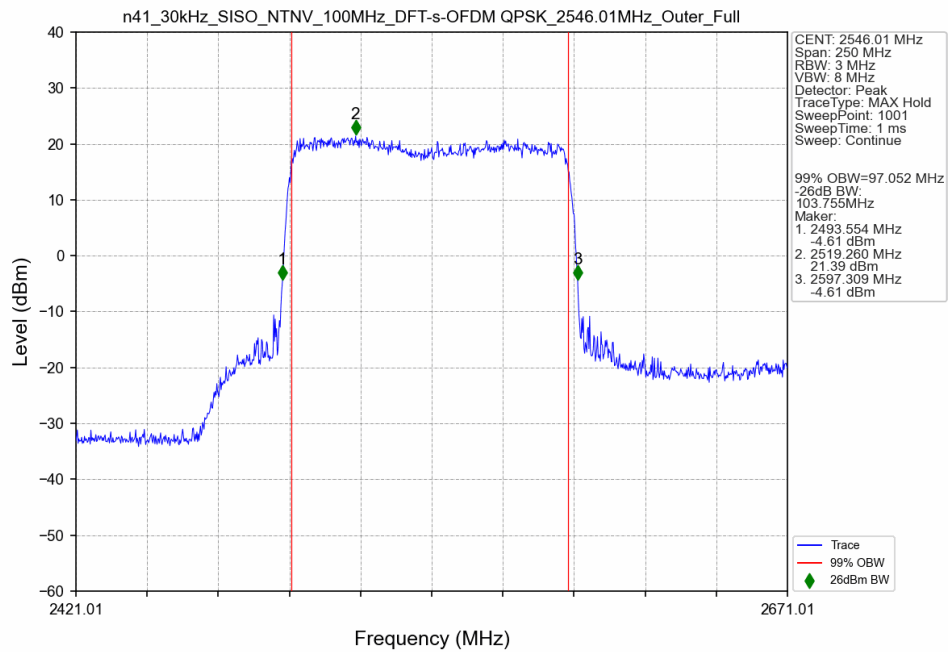
3.2.9 30k_SISO_100MHz_NTNV



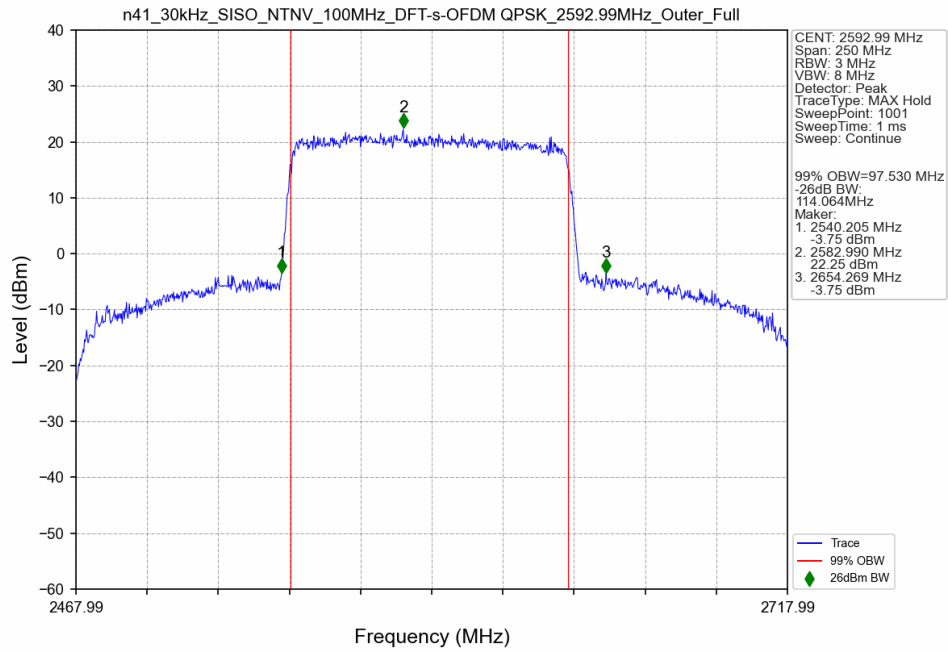
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_PI/2_BPSK_2640MHz_Outer_Full_Ant2



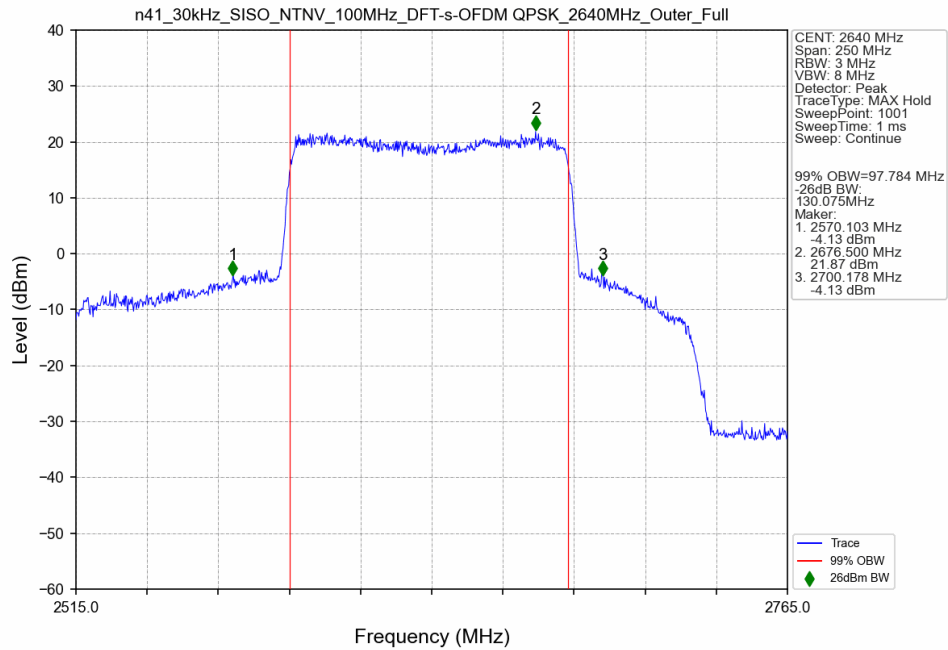
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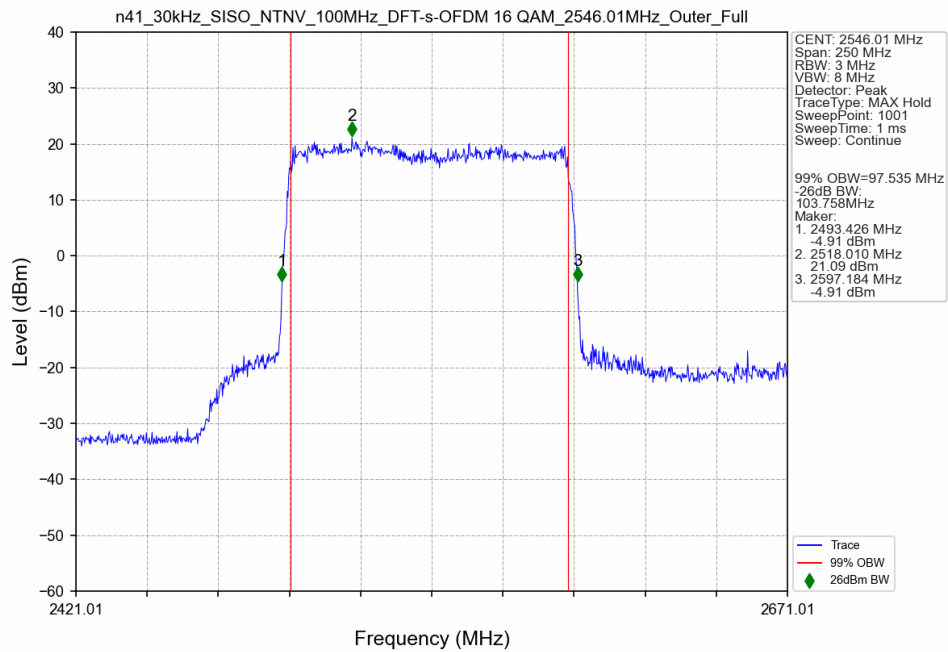
n41 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 2592.99MHz Outer Full Ant2



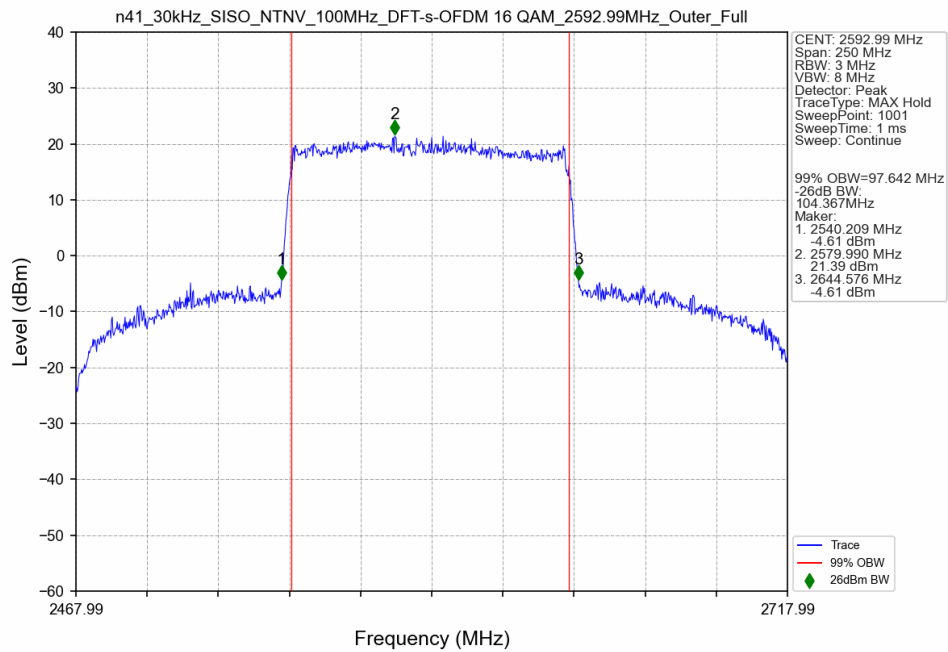
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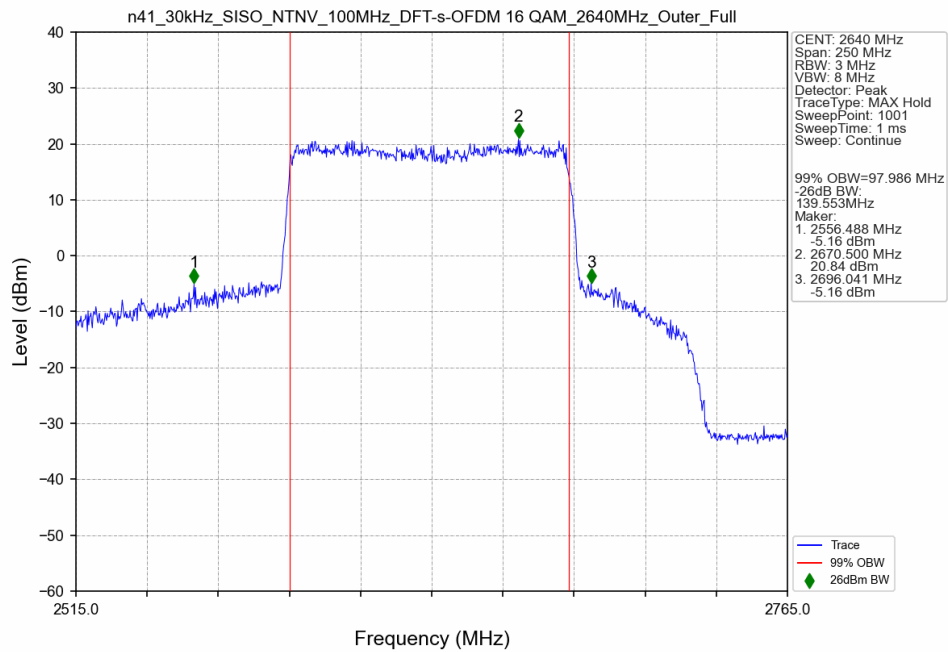
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_2546.01MHz_Outer_Full_Ant2



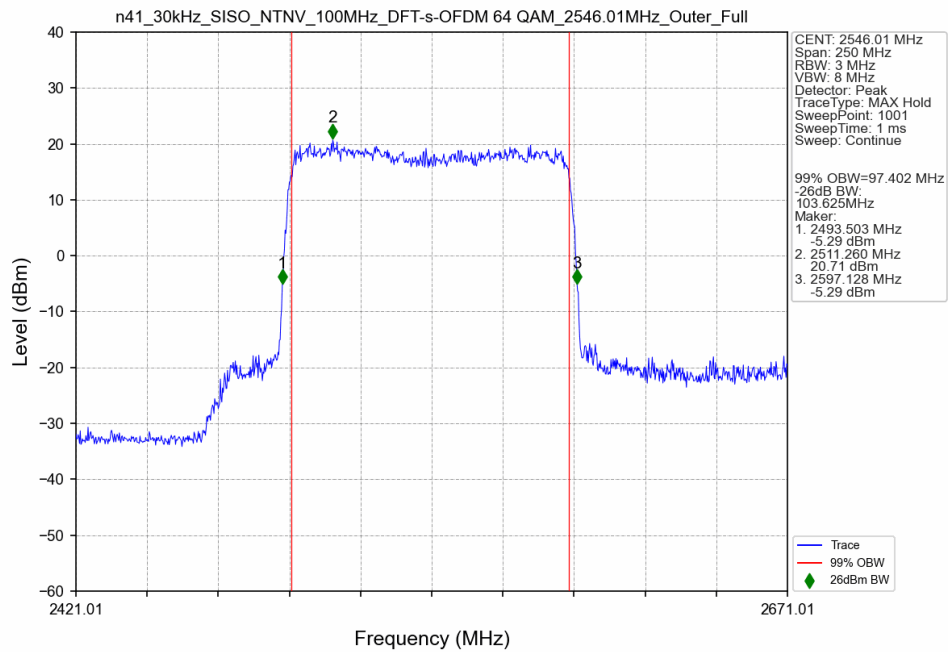
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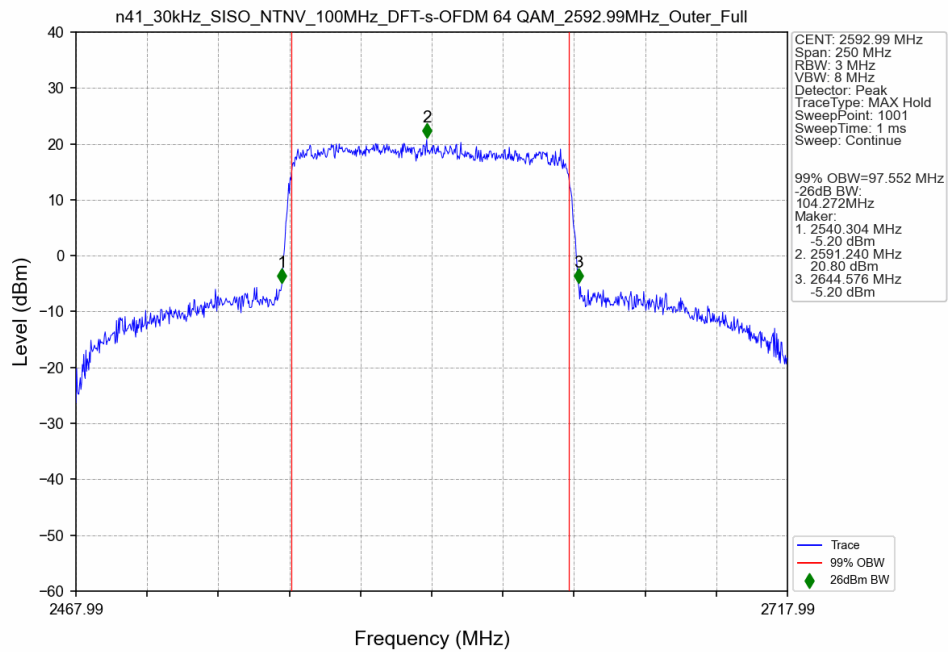
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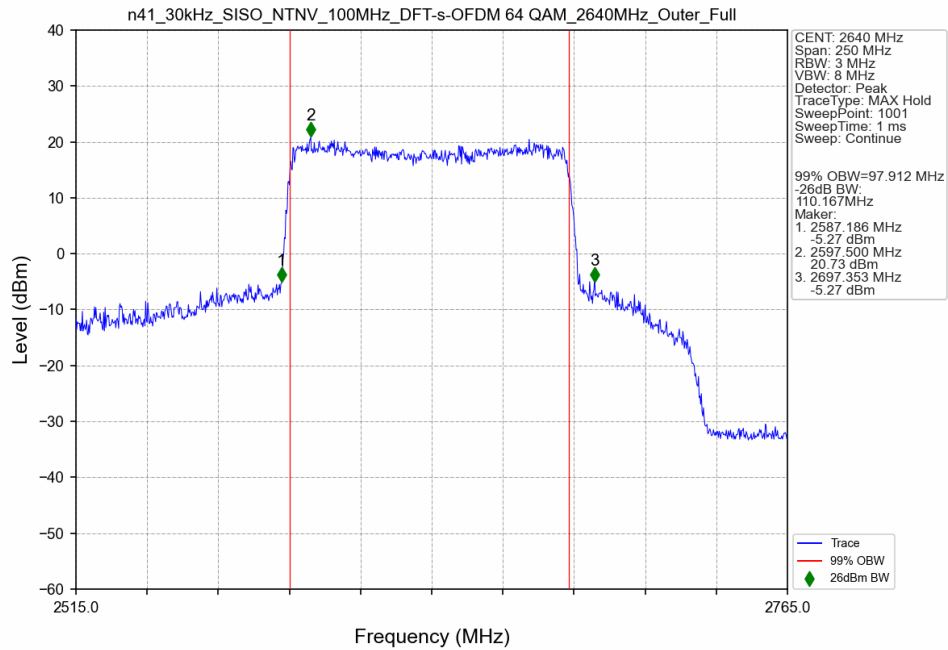
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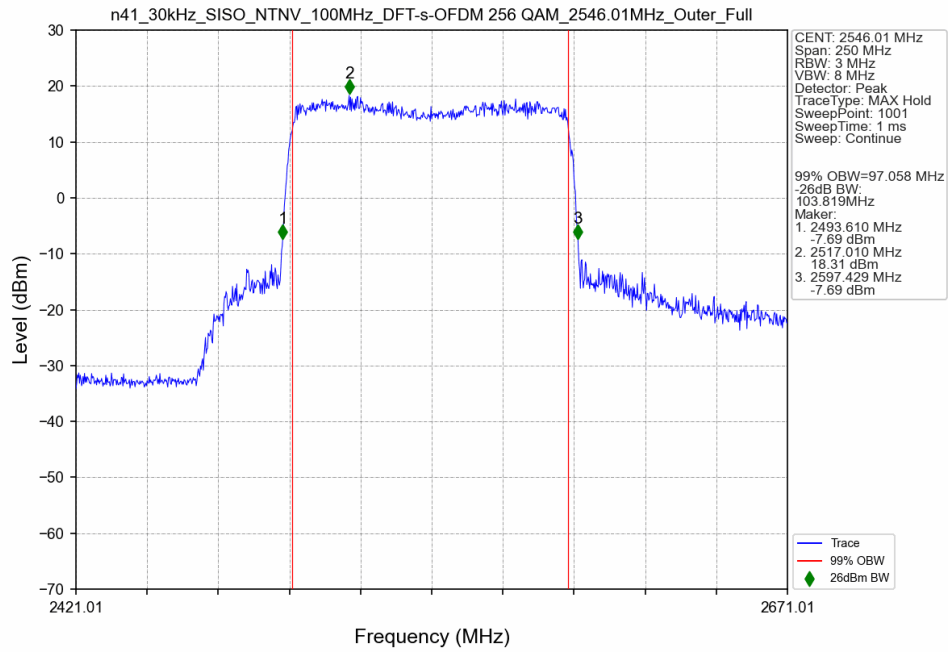
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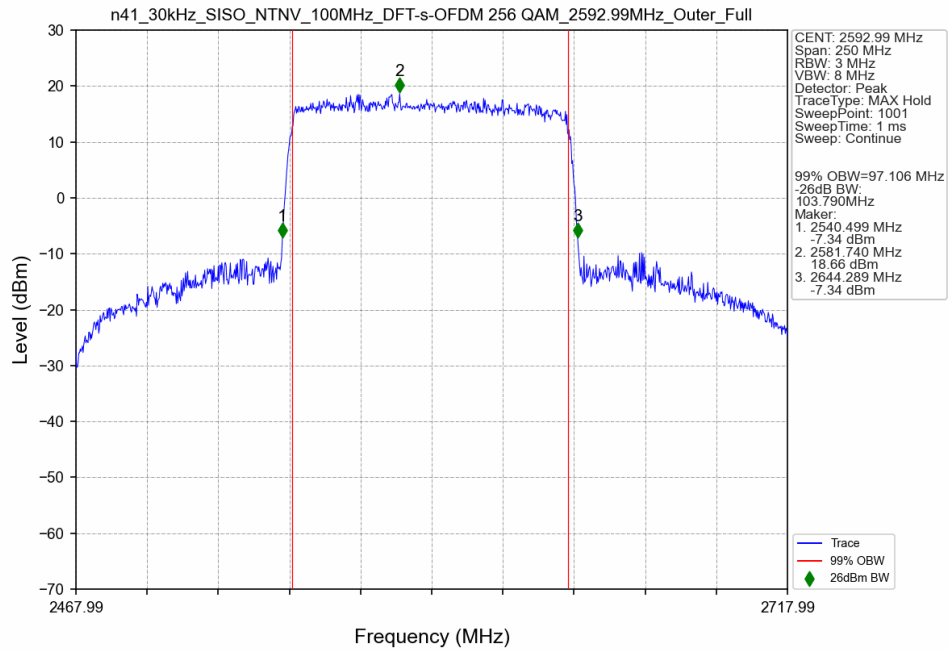
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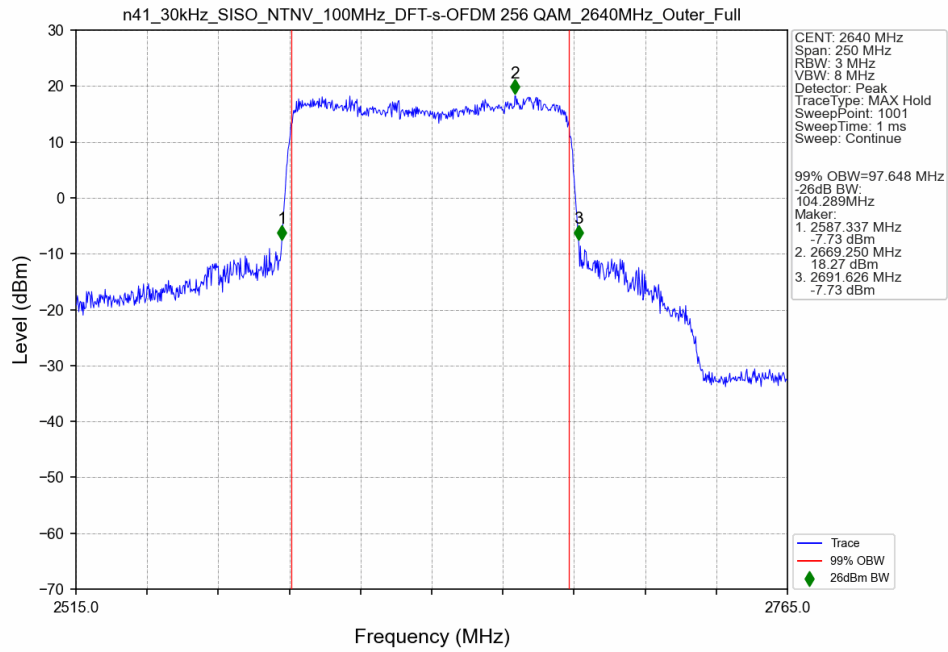
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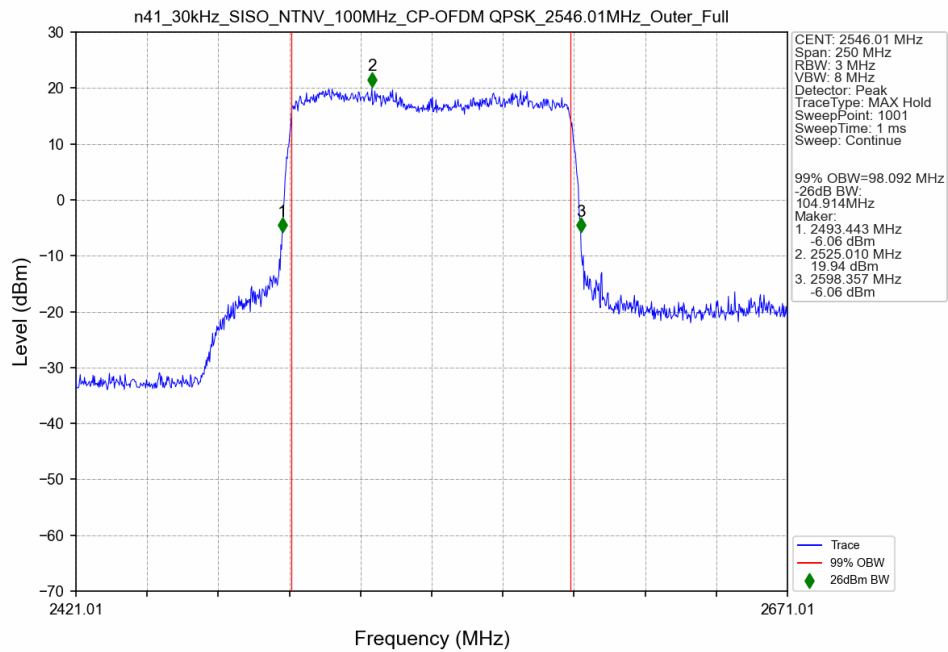
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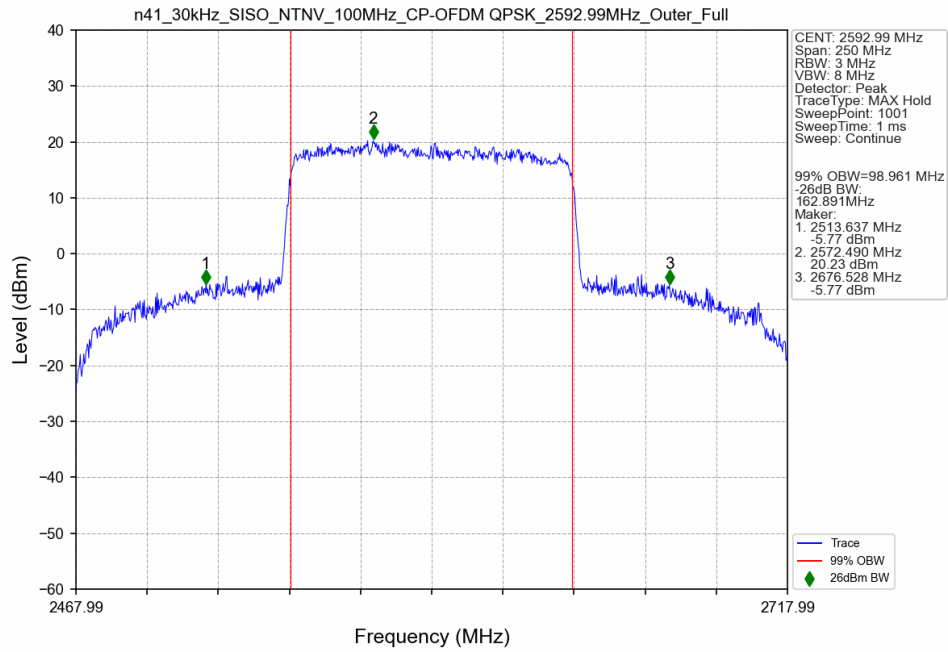
n41 30kHz SISO NTN 100MHz DFT-s-OFDM 256 QAM 2640MHz Outer Full Ant2



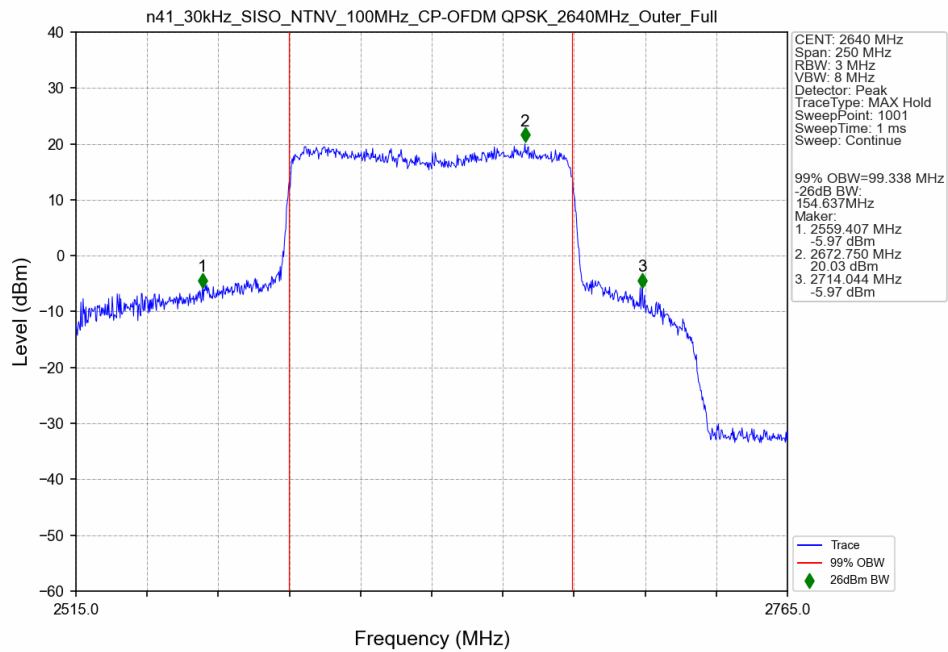
n41 30kHz SISO NTN 100MHz CP-OFDM QPSK 2546.01MHz Outer Full Ant2



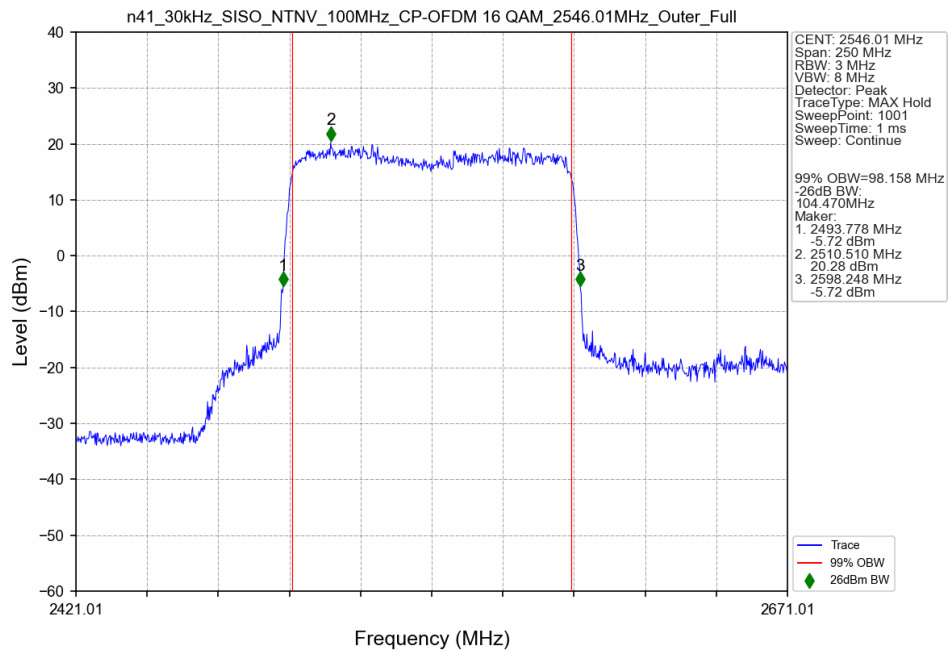
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_2592.99MHz_Outer_Full_Ant2



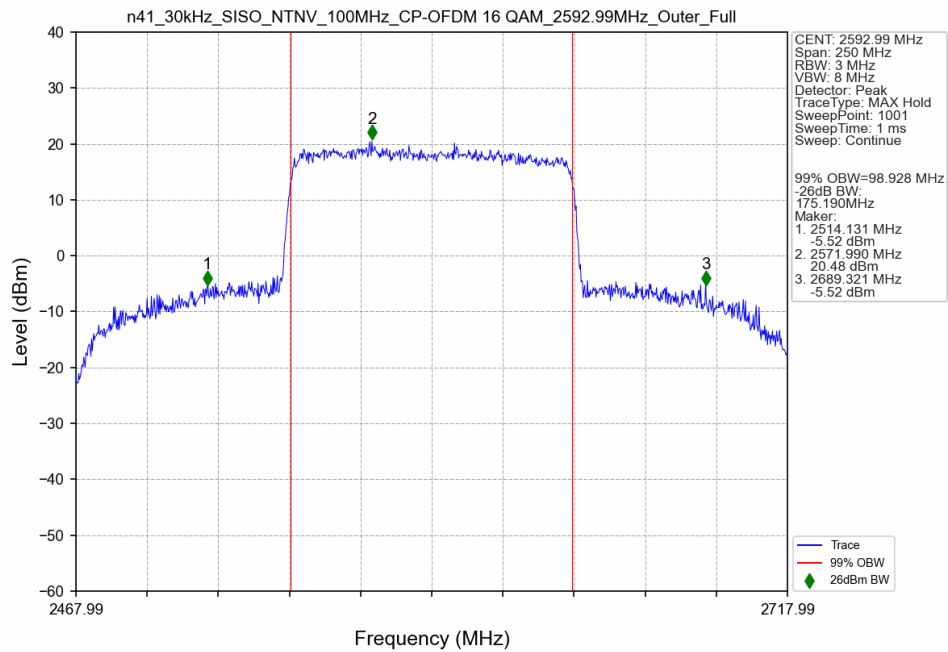
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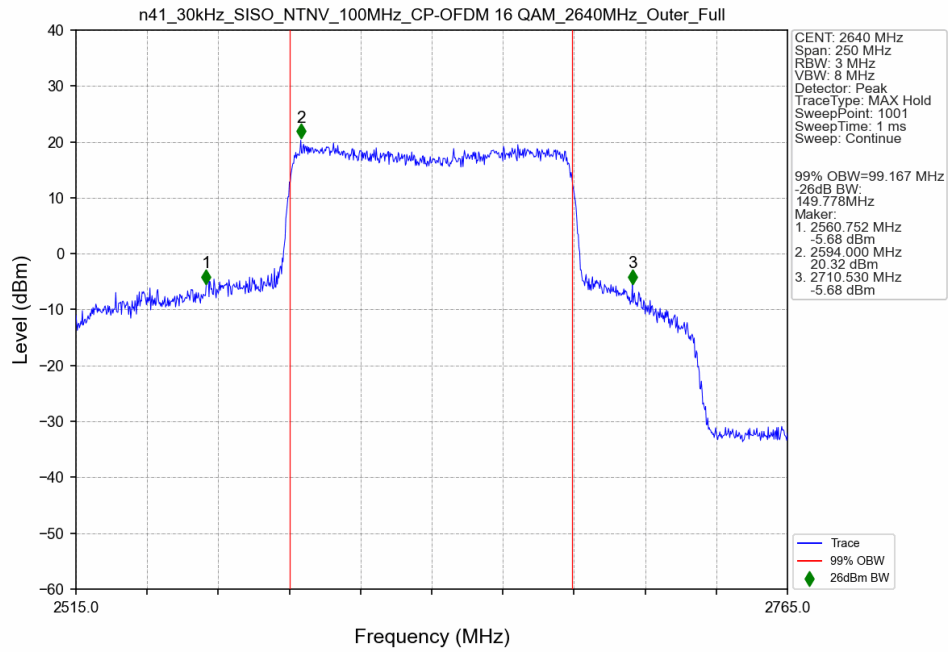
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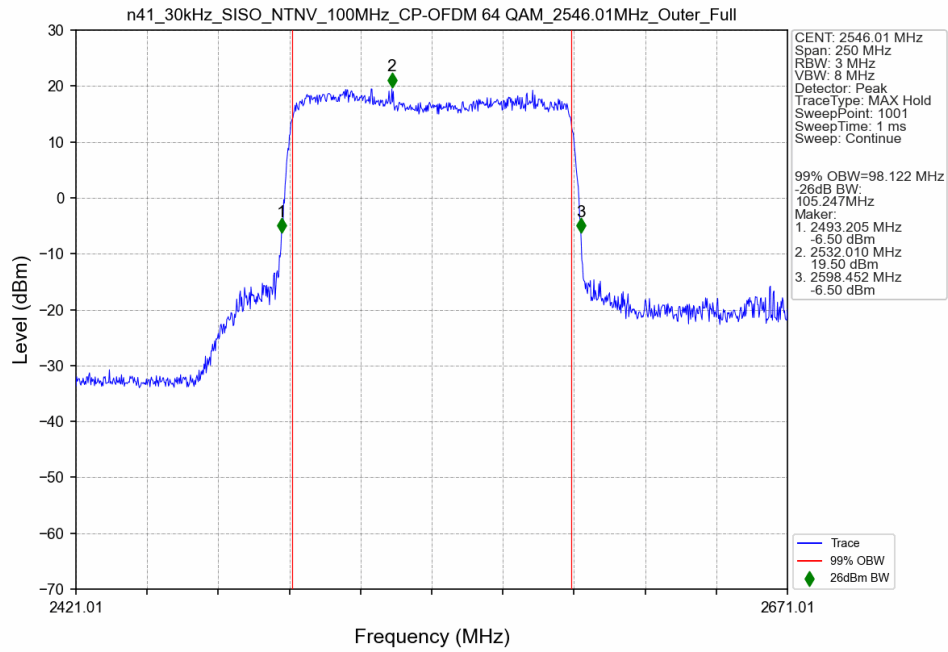
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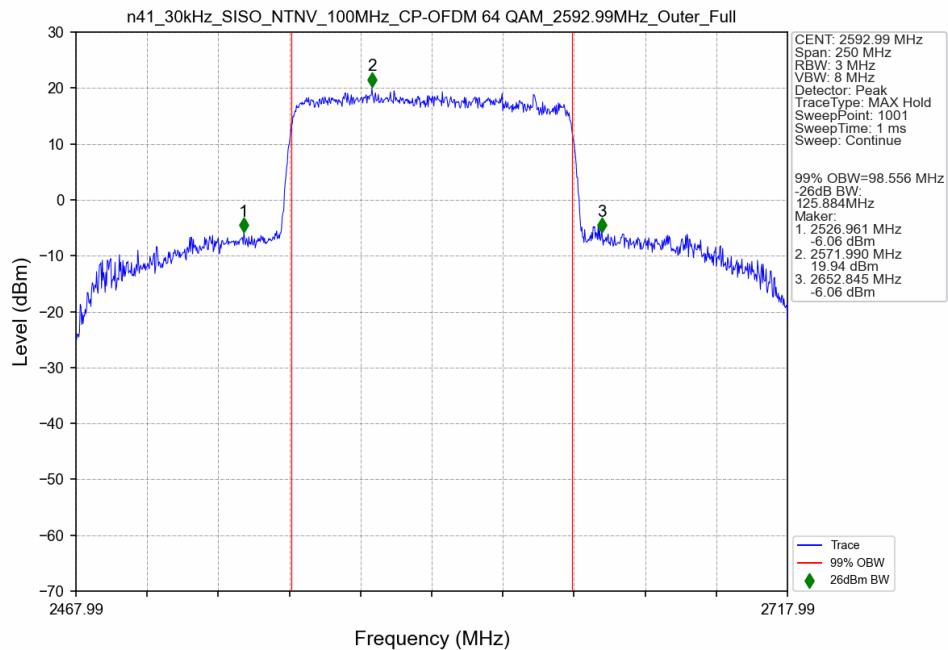
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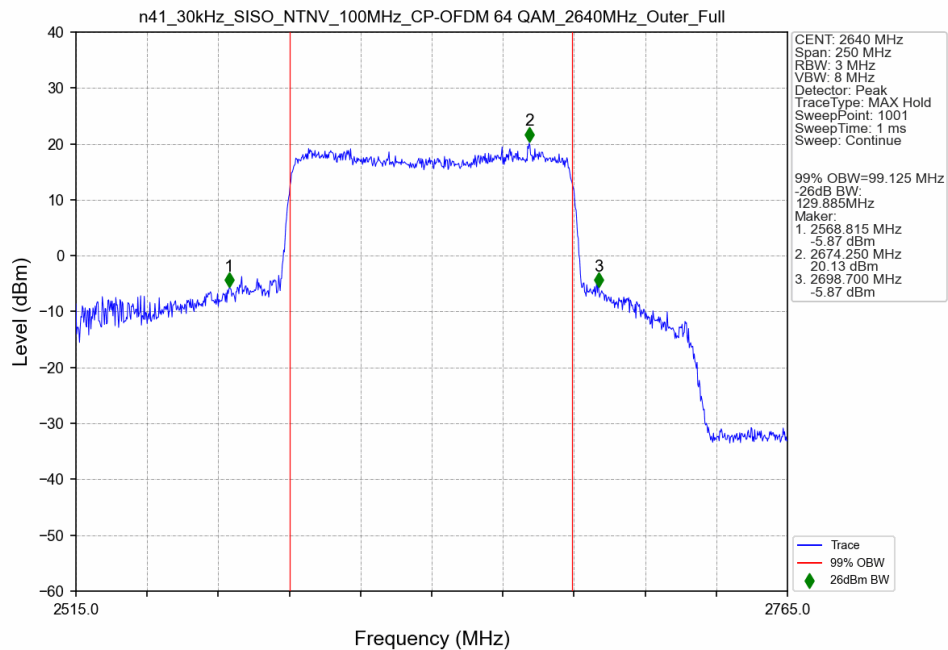
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM 2546.01MHz_Outer_Full_Ant2



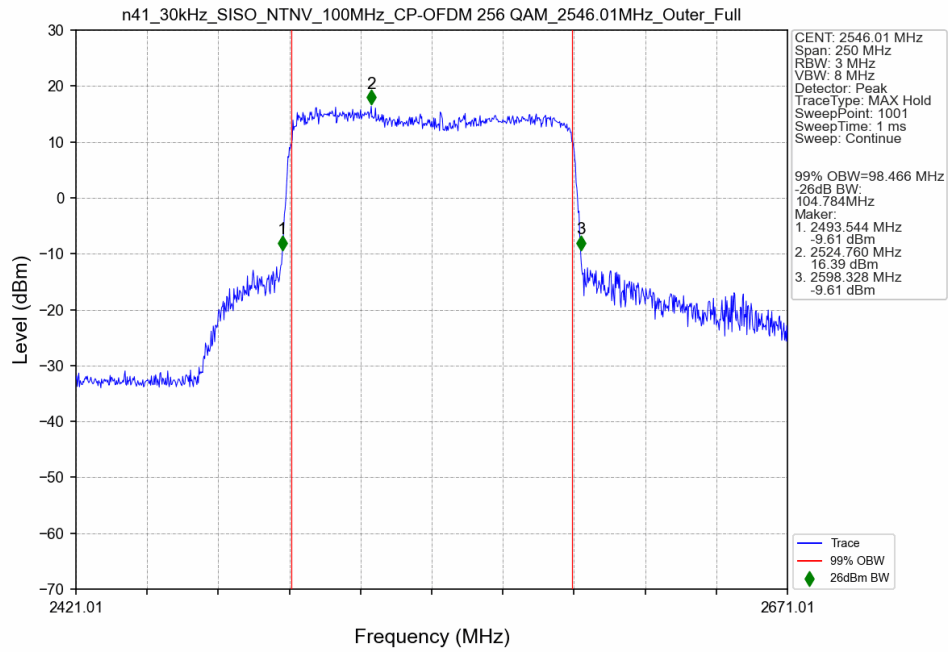
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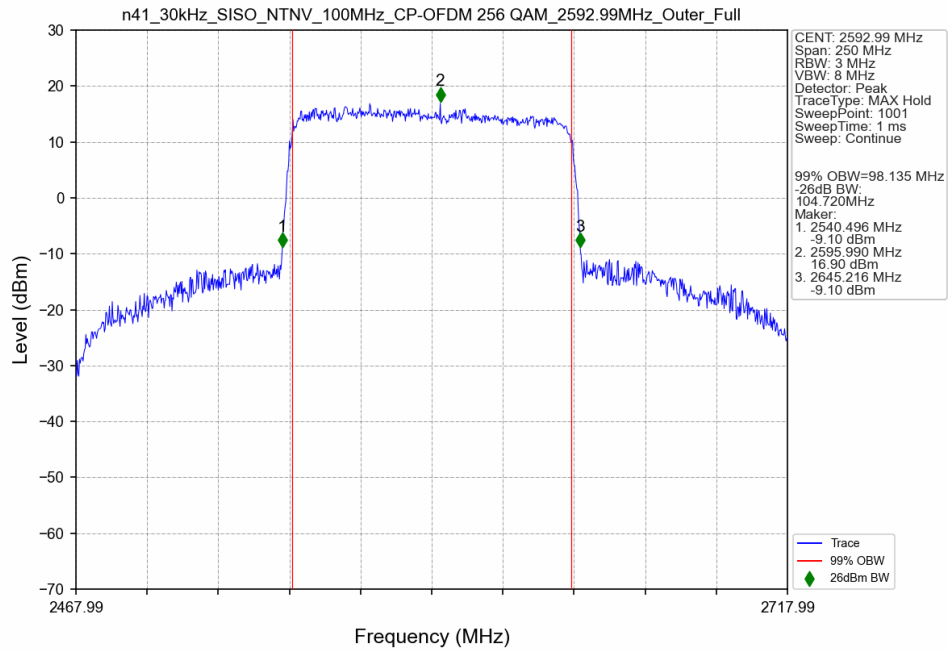
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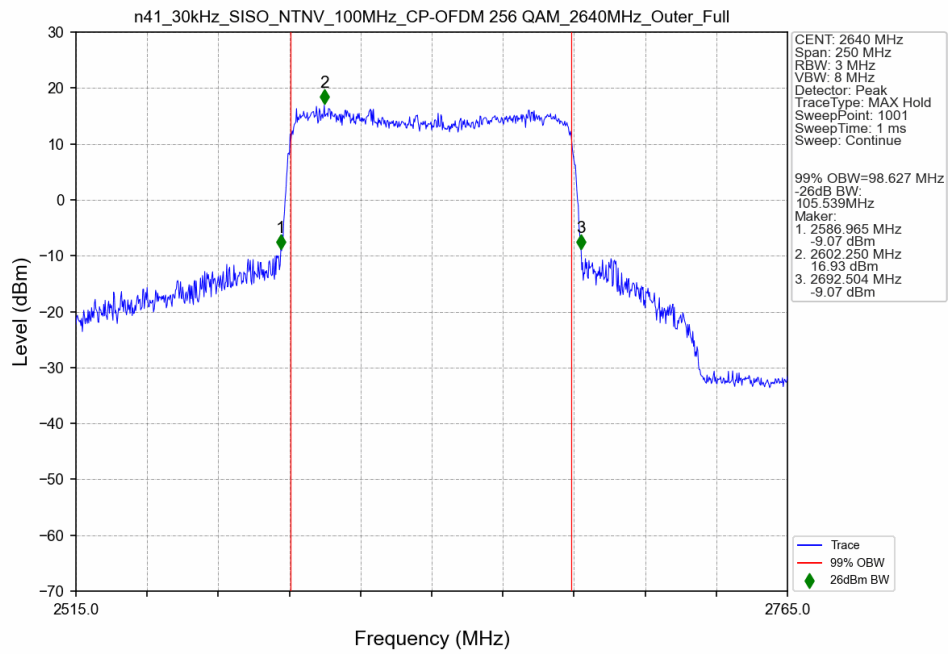
n41 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 2546.01MHz Outer Full Ant2



n41 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 2592.99MHz Outer Full Ant2



n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_2640MHz_Outer_Full_Ant2



4. Peak-Average Ratio

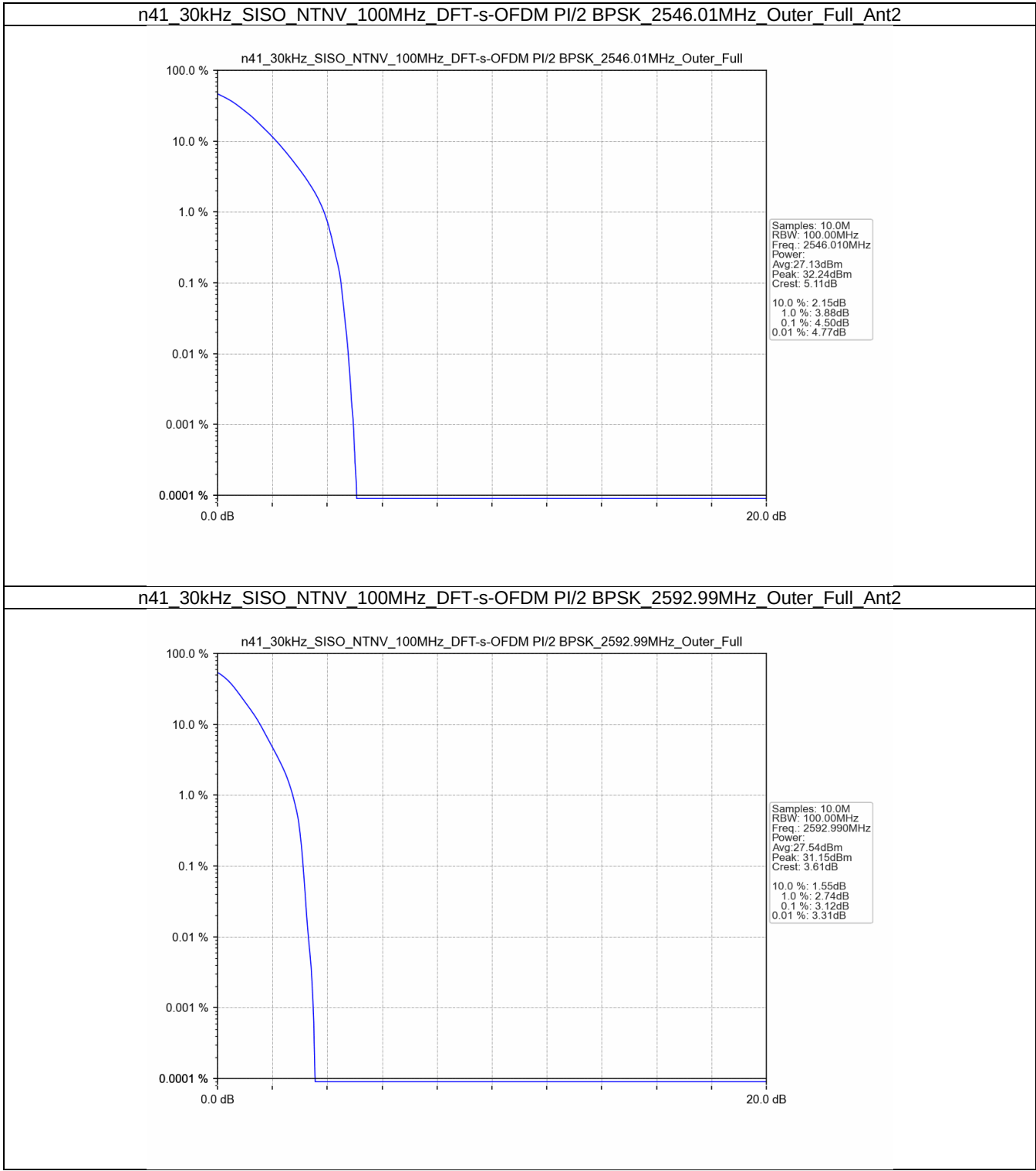
4.1 Test Result

4.1.1 30k_SISO_100MHz_NTNV

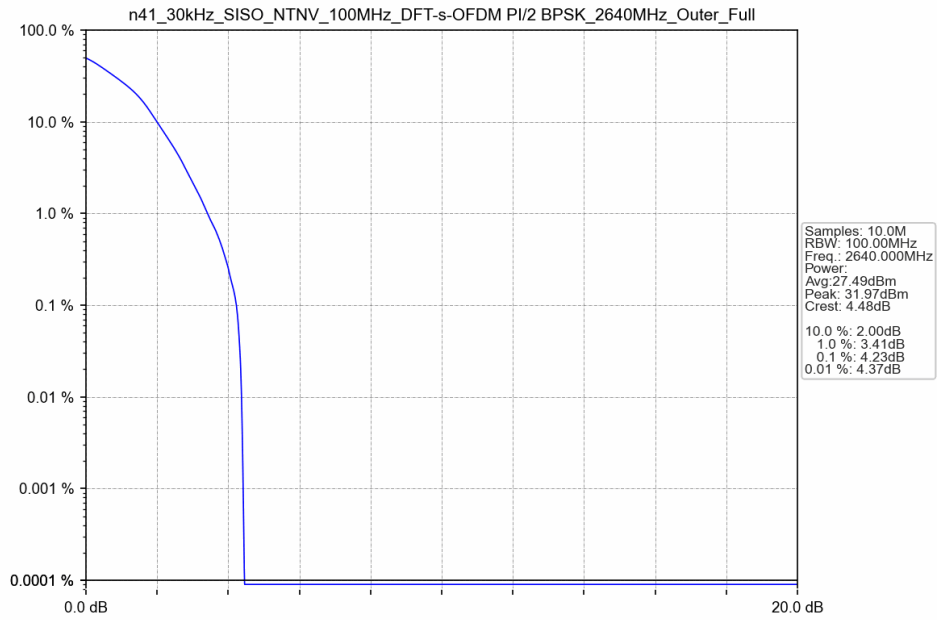
5G NR n41 SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant2	Ant5	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2546.01	Outer_Full	4.50	/	/	<=13	Pass
	2592.99	Outer_Full	3.12	/	/	<=13	Pass
	2640	Outer_Full	4.23	/	/	<=13	Pass
DFT-s-OFDM QPSK	2546.01	Outer_Full	5.17	/	/	<=13	Pass
	2592.99	Outer_Full	3.84	/	/	<=13	Pass
	2640	Outer_Full	4.64	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2546.01	Outer_Full	6.04	/	/	<=13	Pass
	2592.99	Outer_Full	4.71	/	/	<=13	Pass
	2640	Outer_Full	5.19	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2546.01	Outer_Full	6.35	/	/	<=13	Pass
	2592.99	Outer_Full	5.04	/	/	<=13	Pass
	2640	Outer_Full	5.44	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2546.01	Outer_Full	6.04	/	/	<=13	Pass
	2592.99	Outer_Full	5.72	/	/	<=13	Pass
	2640	Outer_Full	5.98	/	/	<=13	Pass
CP-OFDM QPSK	2546.01	Outer_Full	7.16	/	/	<=13	Pass
	2592.99	Outer_Full	5.80	/	/	<=13	Pass
	2640	Outer_Full	6.17	/	/	<=13	Pass
CP-OFDM 16 QAM	2546.01	Outer_Full	7.16	/	/	<=13	Pass
	2592.99	Outer_Full	5.78	/	/	<=13	Pass
	2640	Outer_Full	6.18	/	/	<=13	Pass
CP-OFDM 64 QAM	2546.01	Outer_Full	7.60	/	/	<=13	Pass
	2592.99	Outer_Full	6.21	/	/	<=13	Pass
	2640	Outer_Full	6.44	/	/	<=13	Pass
CP-OFDM 256 QAM	2546.01	Outer_Full	7.83	/	/	<=13	Pass
	2592.99	Outer_Full	7.61	/	/	<=13	Pass
	2640	Outer_Full	7.67	/	/	<=13	Pass

4.2 Test Graph

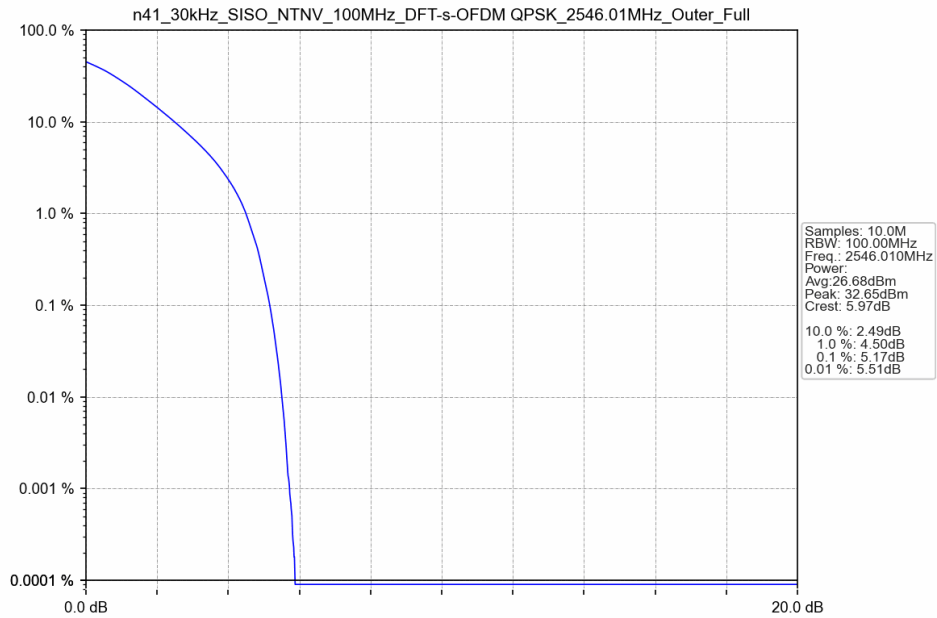
4.2.1 30k_SISO_100MHz_NTNV



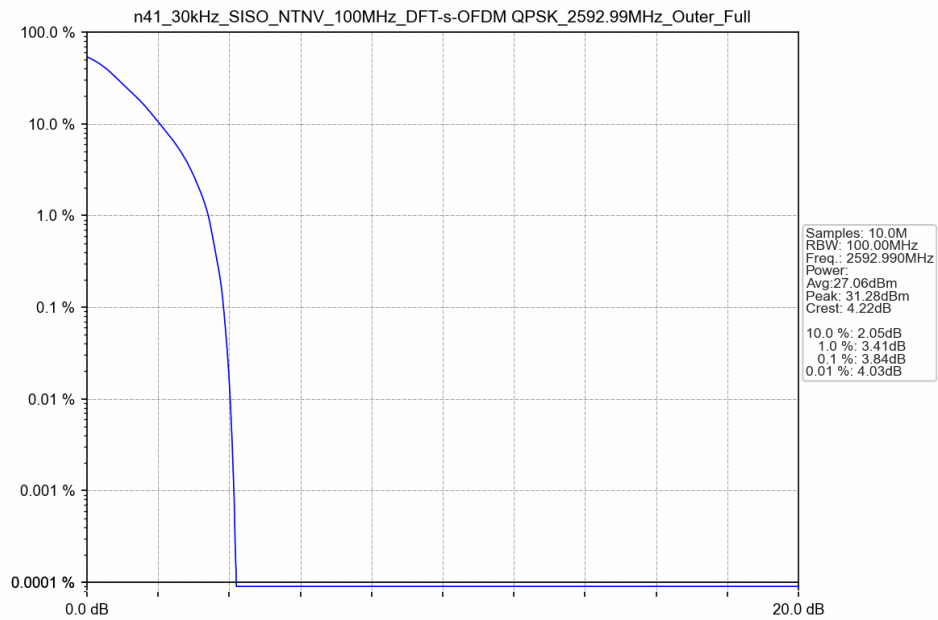
n41 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 2640MHz Outer Full Ant2



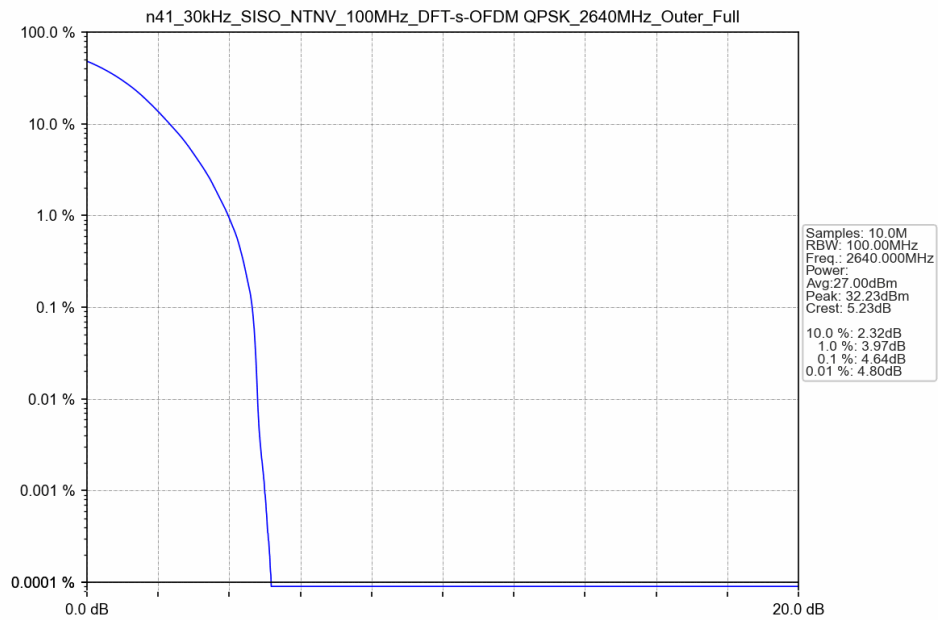
n41 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 2546.01MHz Outer Full Ant2



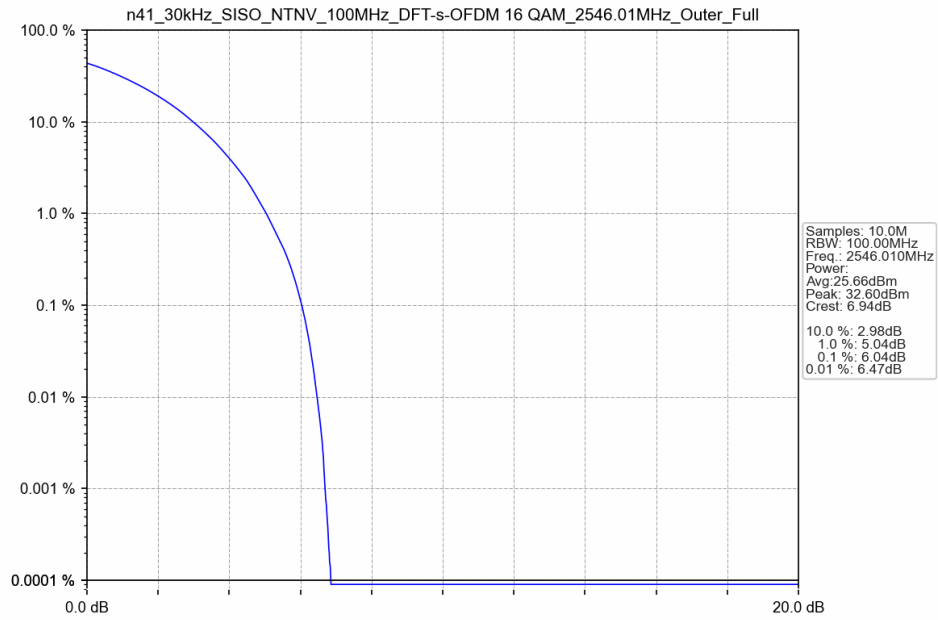
n41 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 2592.99MHz Outer Full Ant2



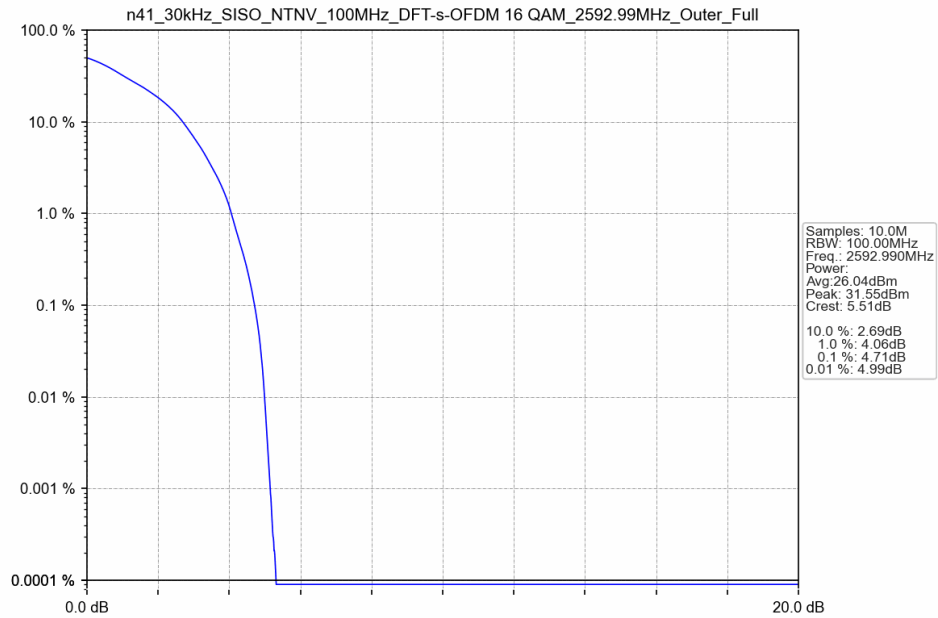
n41 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 2640MHz Outer Full Ant2



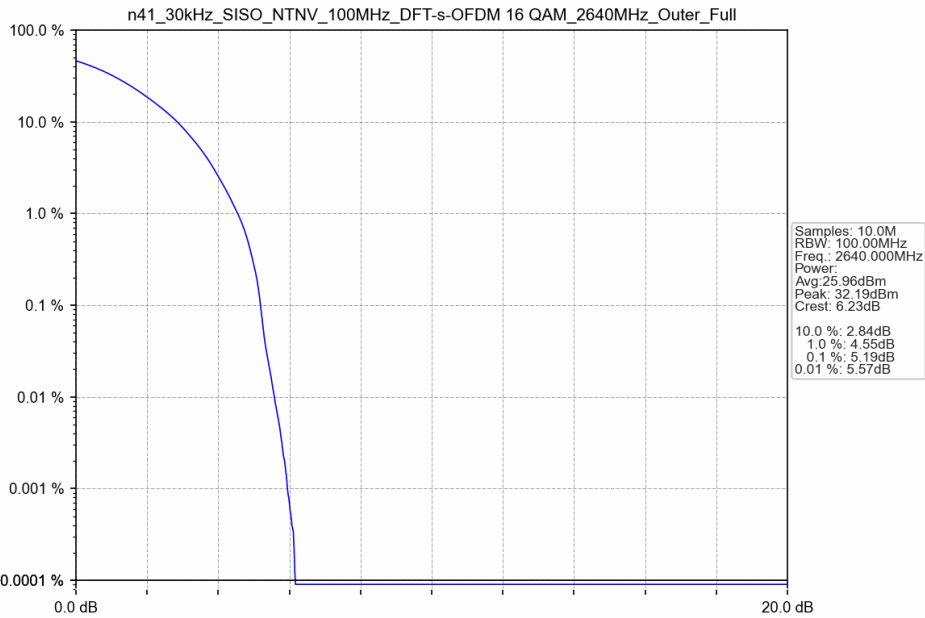
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_2546.01MHz_Outer_Full_Ant2



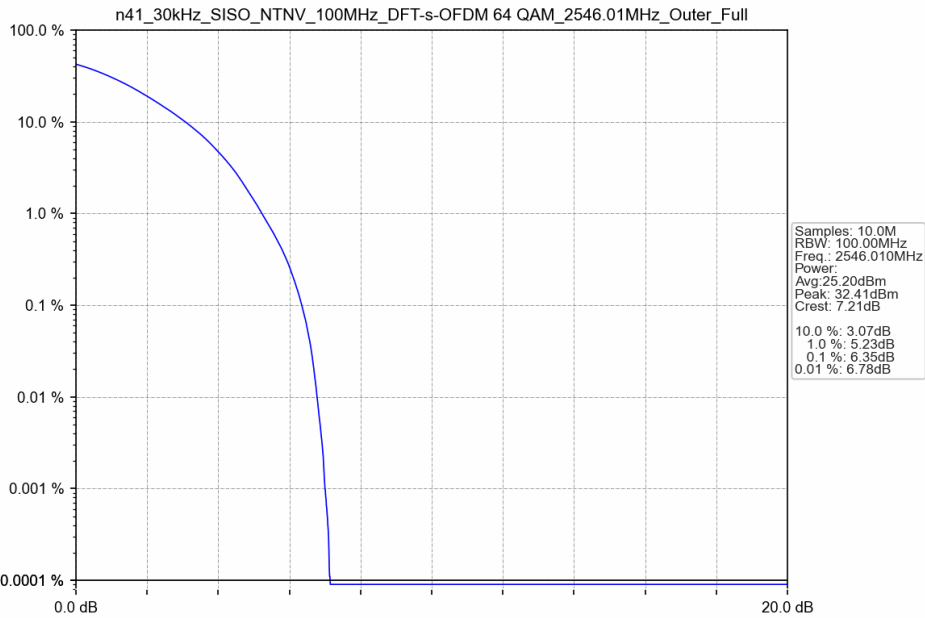
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_2592.99MHz_Outer_Full_Ant2



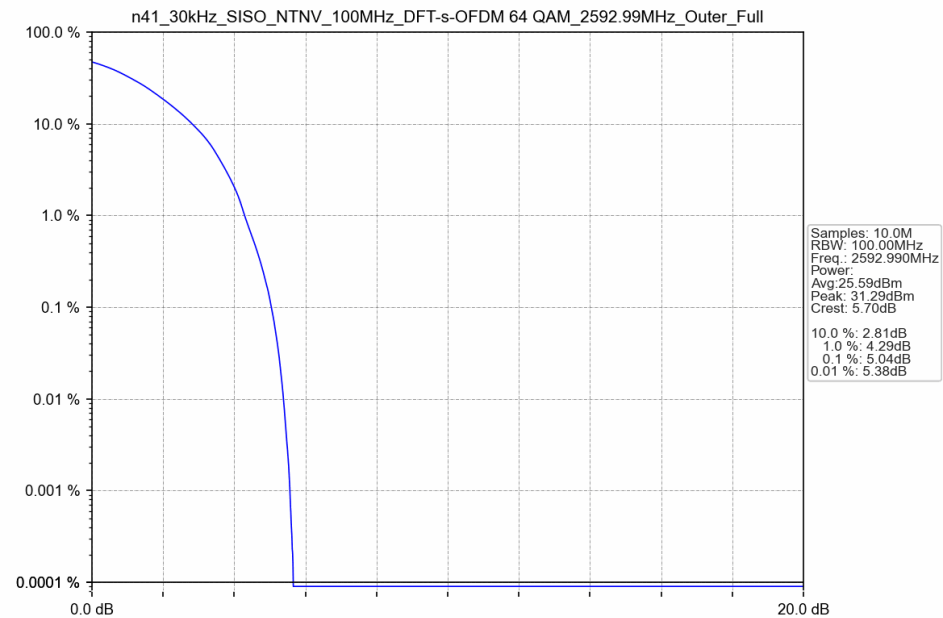
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_2640MHz_Outer_Full_Ant2



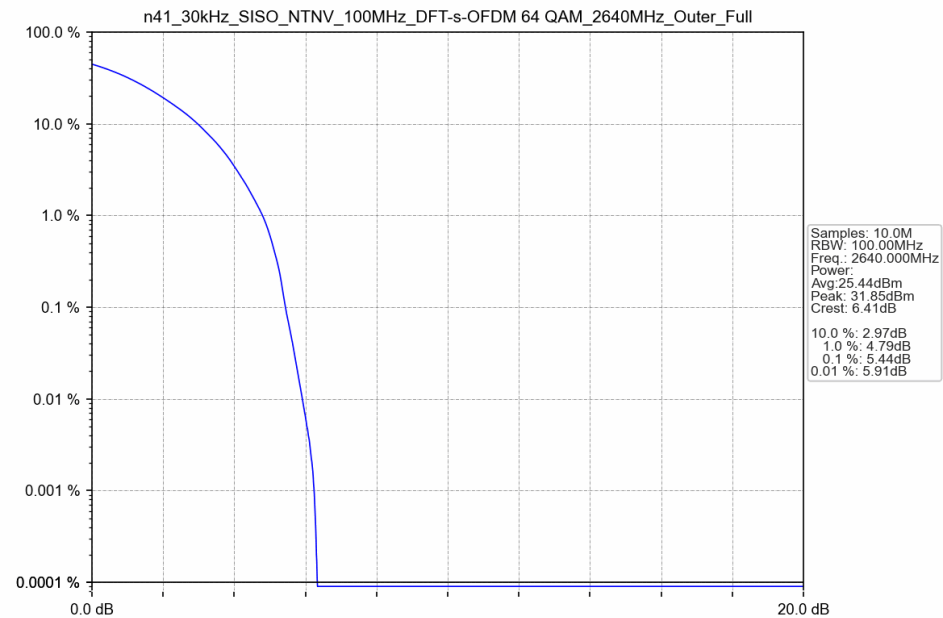
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_2546.01MHz_Outer_Full_Ant2



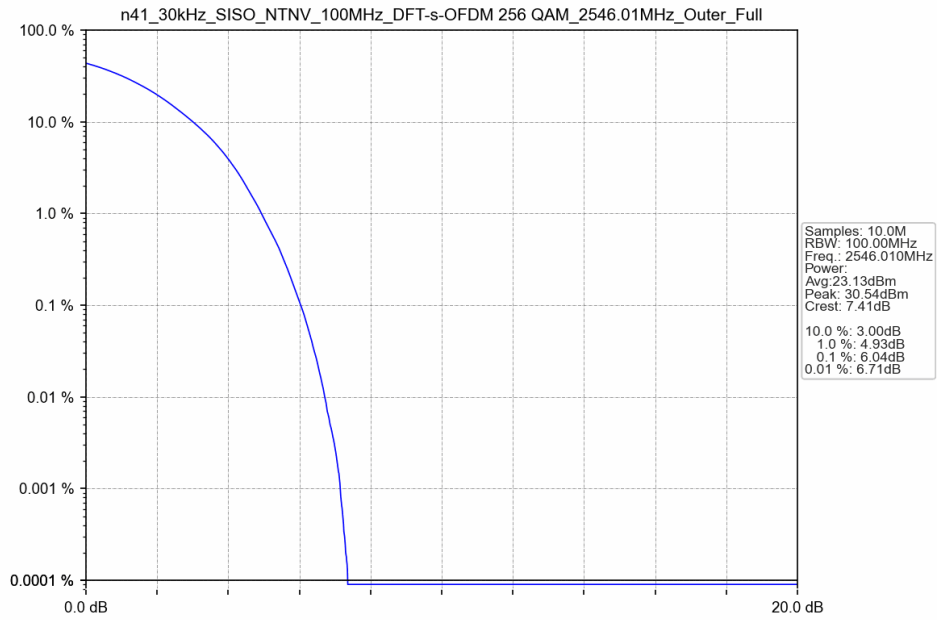
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_2592.99MHz_Outer_Full_Ant2



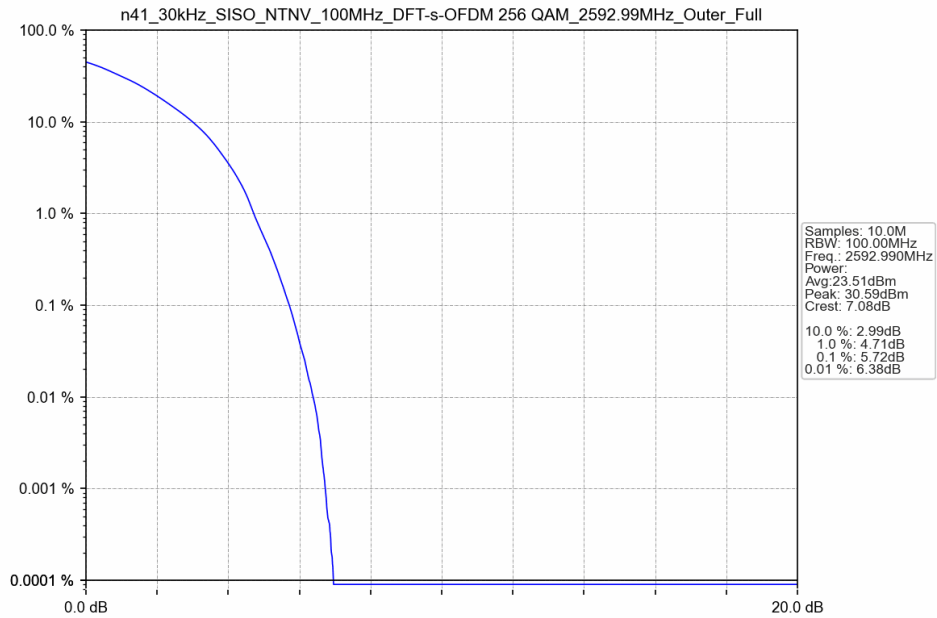
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_2640MHz_Outer_Full_Ant2



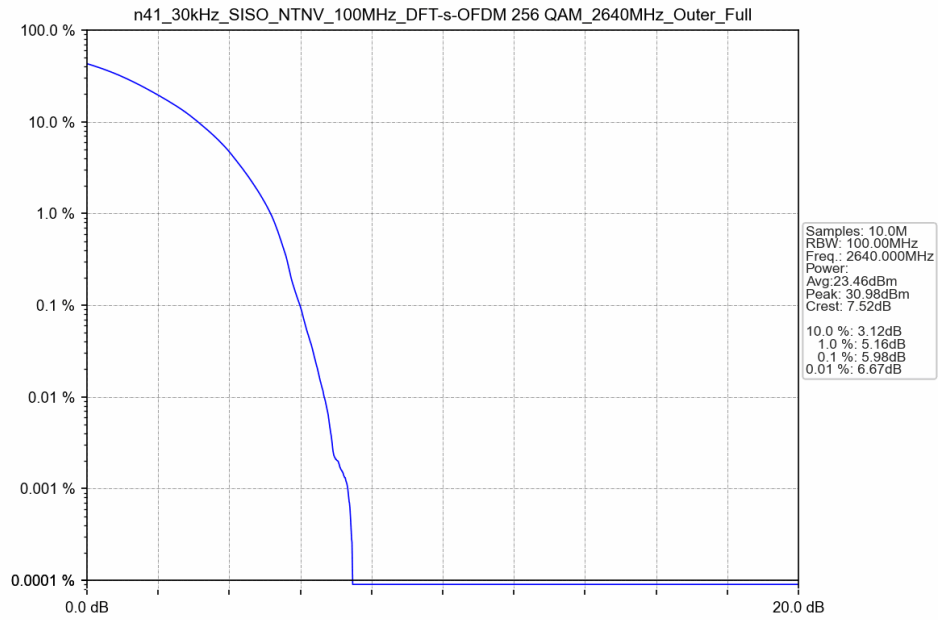
n41 30kHz SISO NTN 100MHz DFT-s-OFDM 256 QAM 2546.01MHz Outer Full Ant2



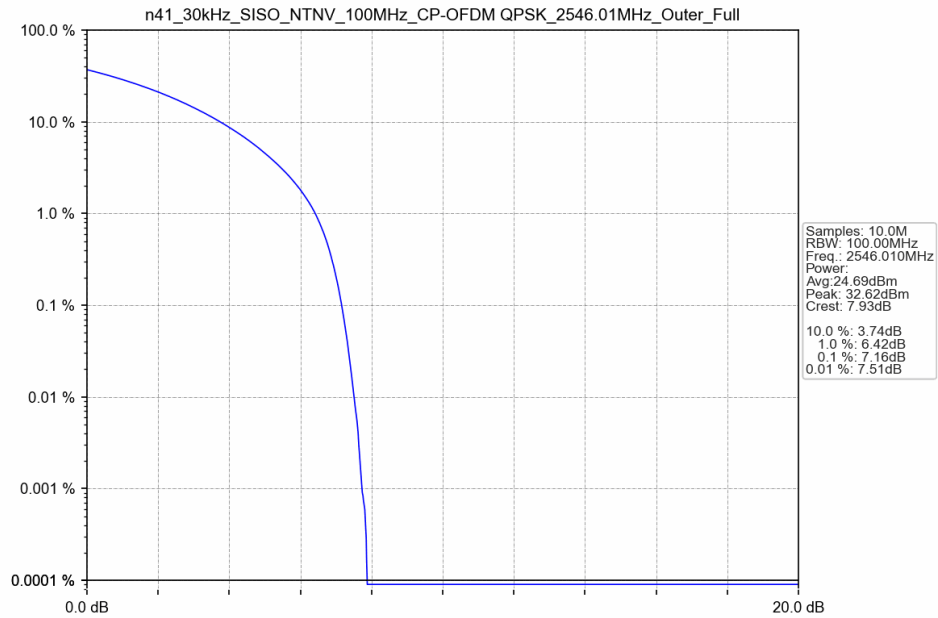
n41 30kHz SISO NTN 100MHz DFT-s-OFDM 256 QAM 2592.99MHz Outer Full Ant2



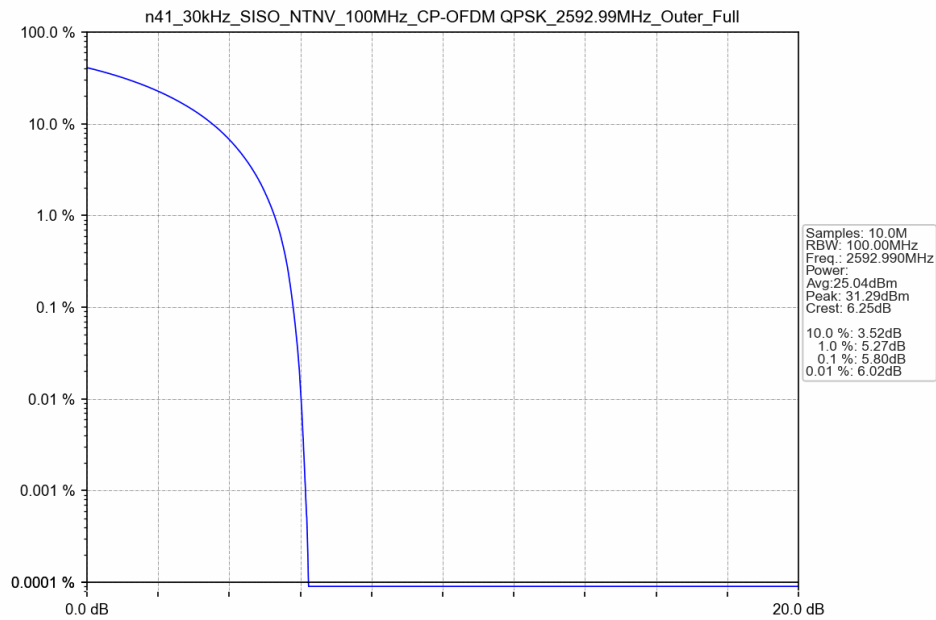
n41 30kHz SISO NTN 100MHz DFT-s-OFDM 256 QAM 2640MHz Outer Full Ant2



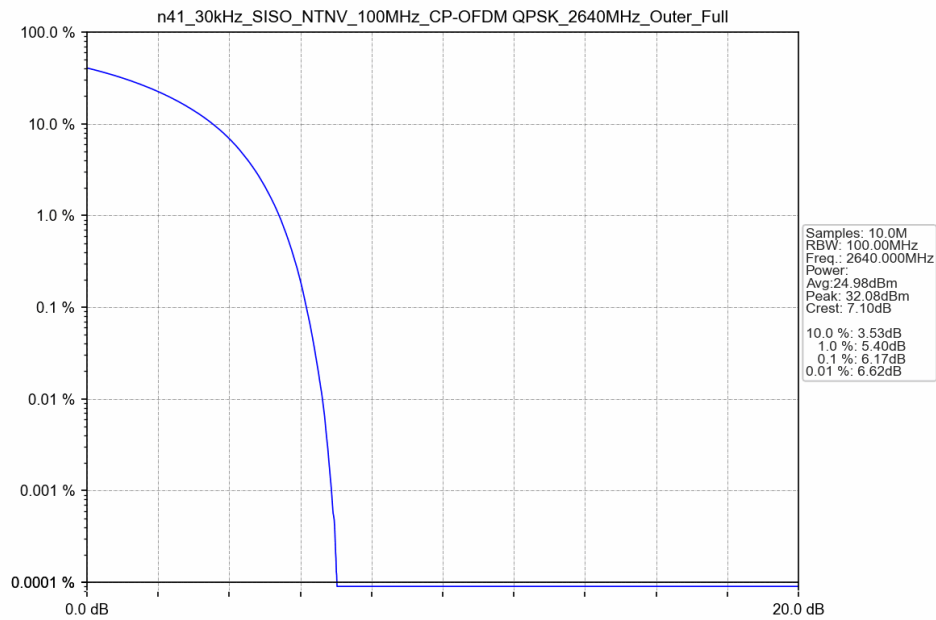
n41 30kHz SISO NTN 100MHz CP-OFDM QPSK 2546.01MHz Outer Full Ant2



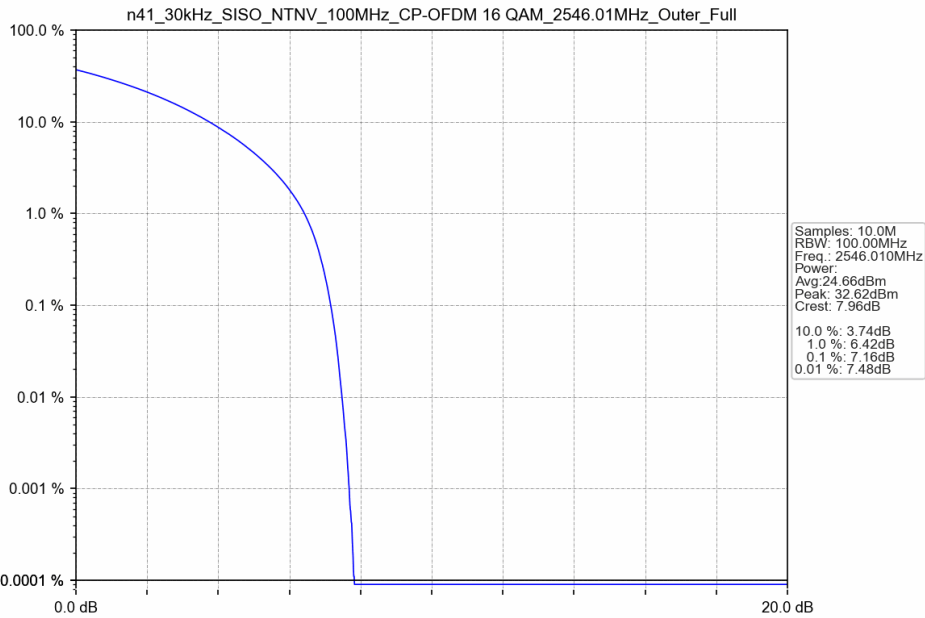
n41 30kHz SISO NTN 100MHz CP-OFDM QPSK 2592.99MHz Outer Full Ant2



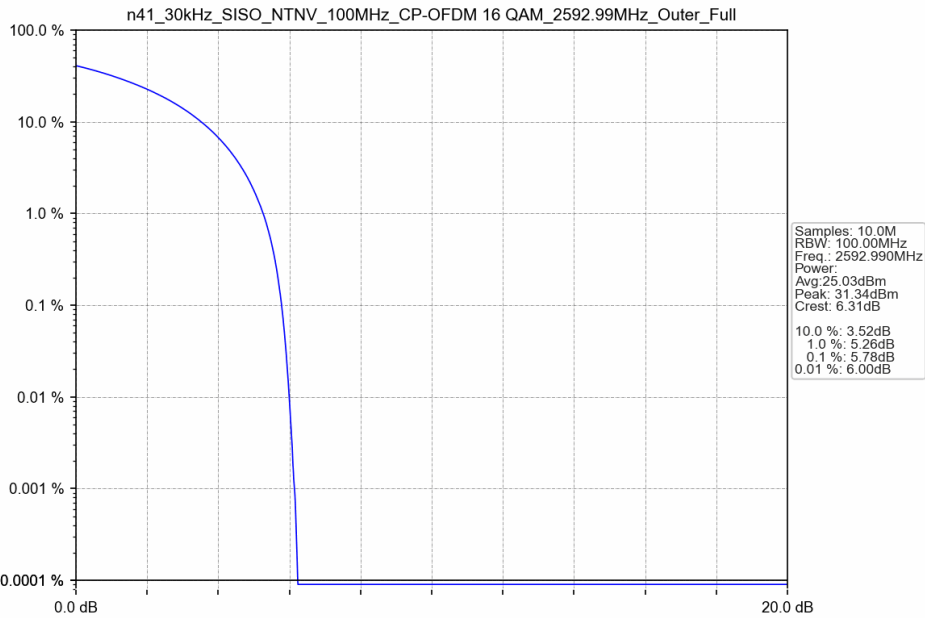
n41 30kHz SISO NTN 100MHz CP-OFDM QPSK 2640MHz Outer Full Ant2



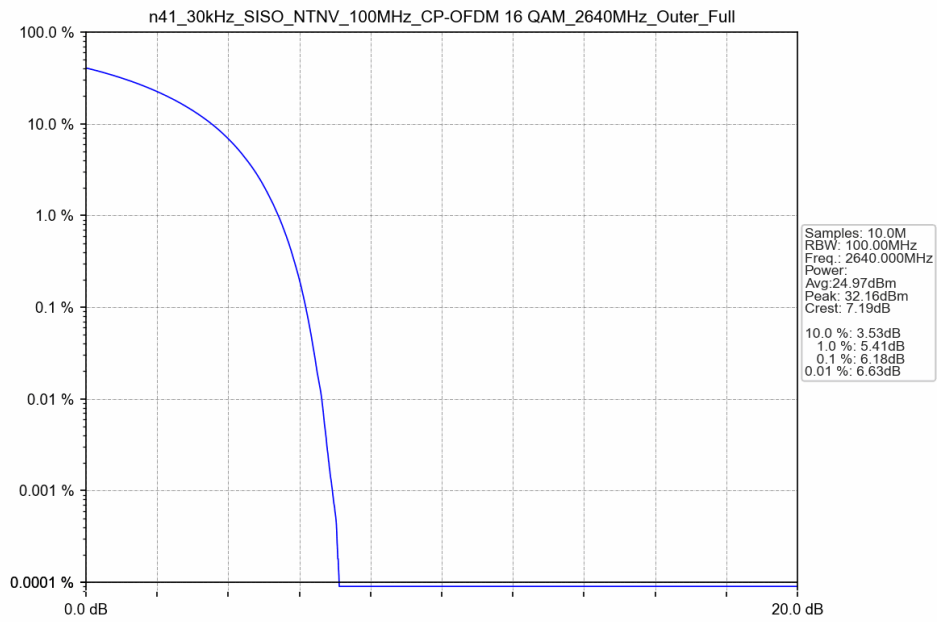
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_16_QAM_2546.01MHz_Outer_Full_Ant2



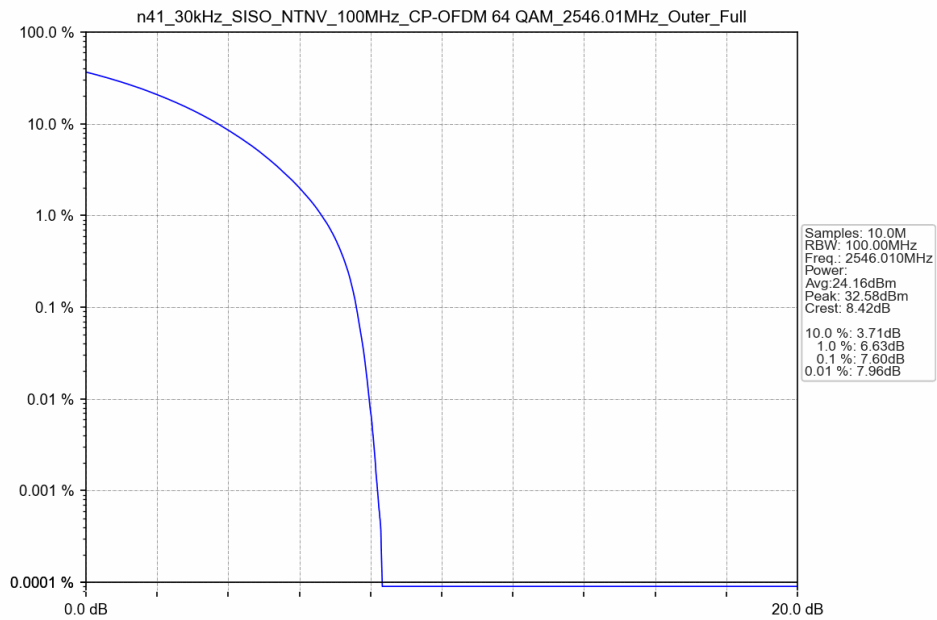
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_16_QAM_2592.99MHz_Outer_Full_Ant2



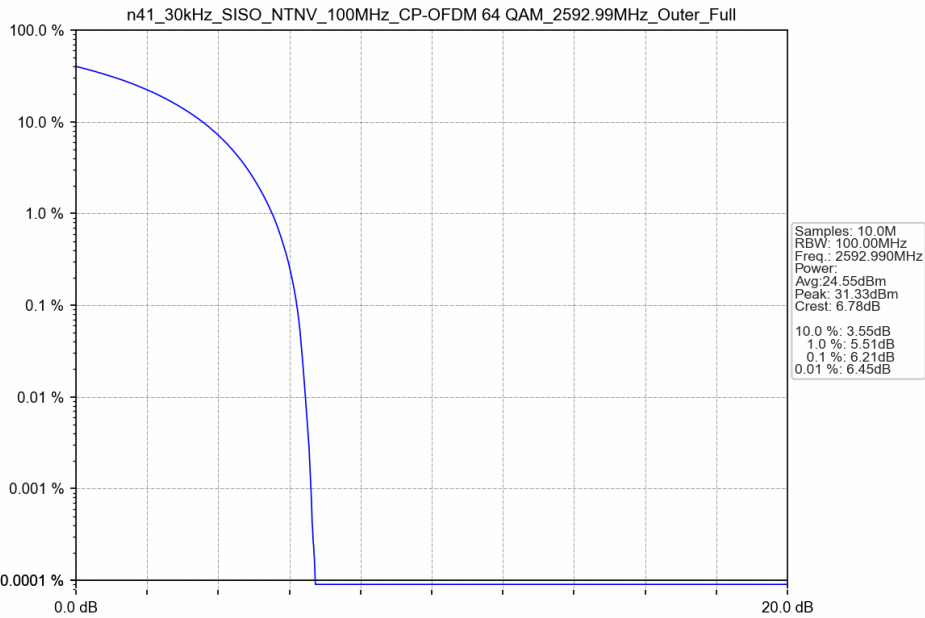
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM 2640MHz_Outer_Full_Ant2



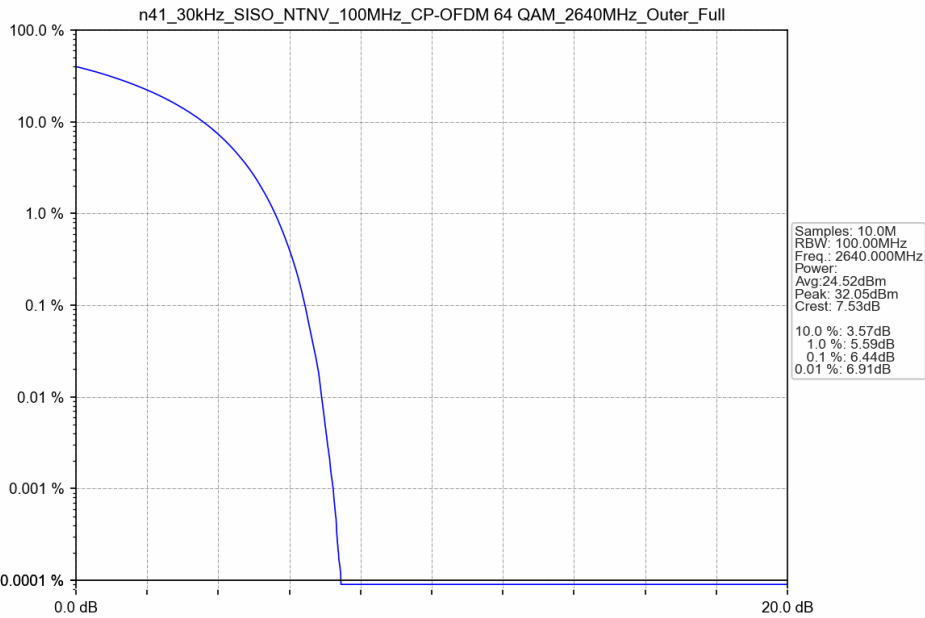
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM 2546.01MHz_Outer_Full_Ant2



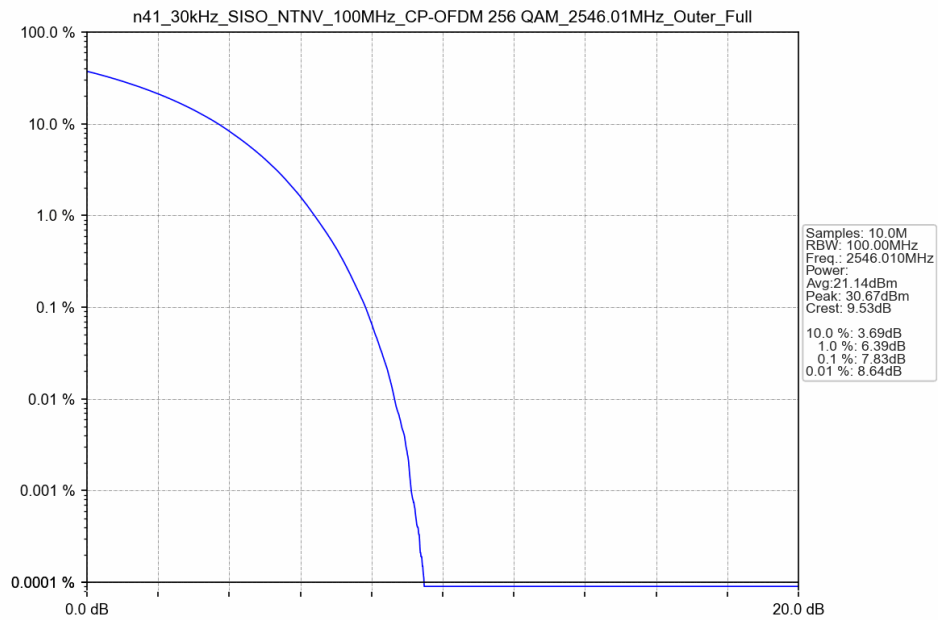
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_64_QAM_2592.99MHz_Outer_Full_Ant2



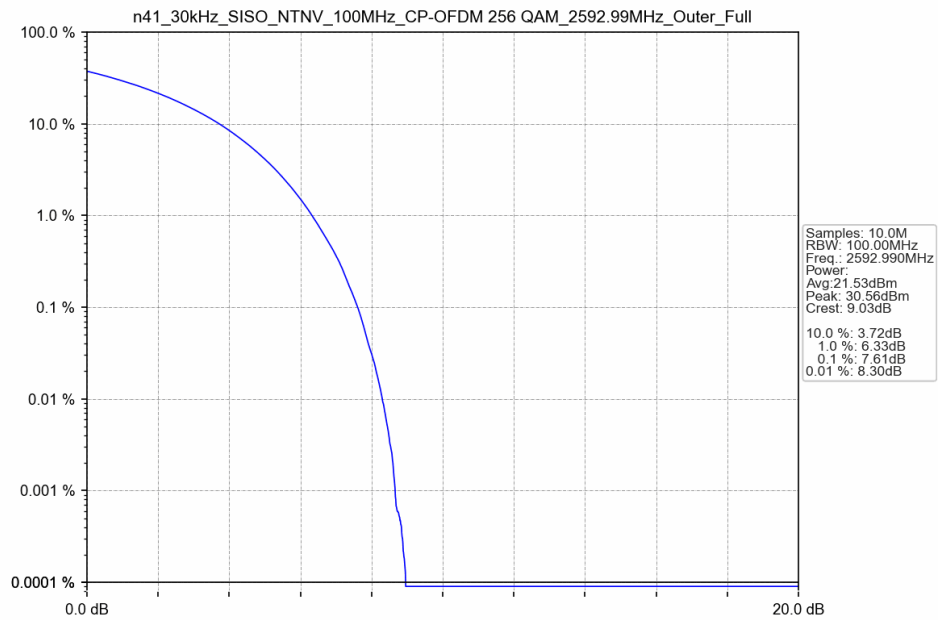
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_64_QAM_2640MHz_Outer_Full_Ant2



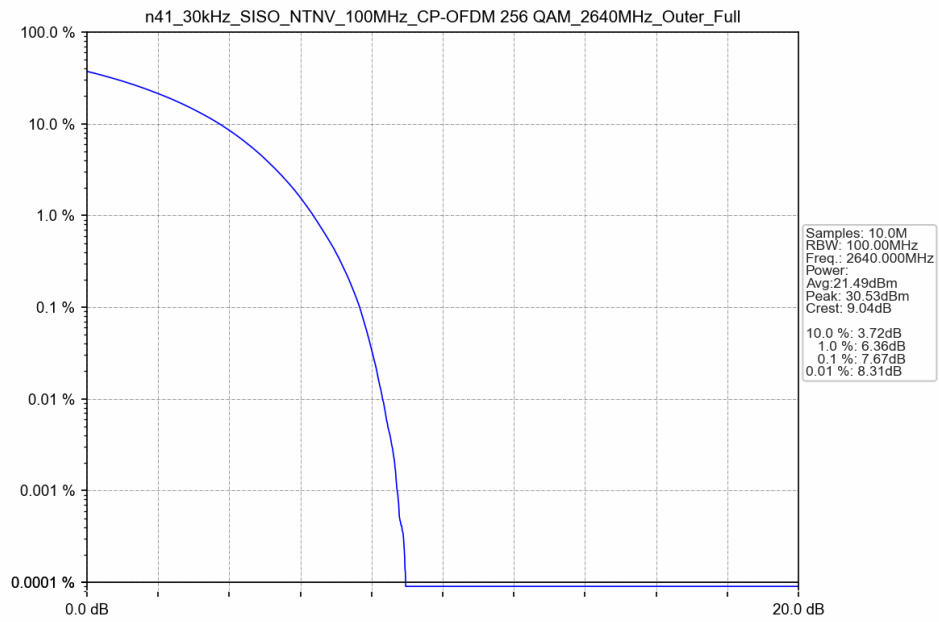
n41 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 2546.01MHz Outer Full Ant2



n41 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 2592.99MHz Outer Full Ant2



n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_2640MHz_Outer_Full_Ant2



5. Spurious Emission

5.1 Test Result

5.1.1 30k_SISO_20MHz_NTNV

5G NR n41 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant5	Sum	Limit	
DFT-s-OFDM QPSK	2506.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2592.99	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

5.1.2 30k_SISO_30MHz_NTNV

5G NR n41 SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant5	Sum	Limit	
DFT-s-OFDM QPSK	2511	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2592.99	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

5.1.3 30k_SISO_40MHz_NTNV

5G NR n41 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant5	Sum	Limit	
DFT-s-OFDM QPSK	2516.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2592.99	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

5.1.4 30k_SISO_50MHz_NTNV

5G NR n41 SCS=30kHz SISO 50MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant5	Sum	Limit	
DFT-s-OFDM QPSK	2521.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass