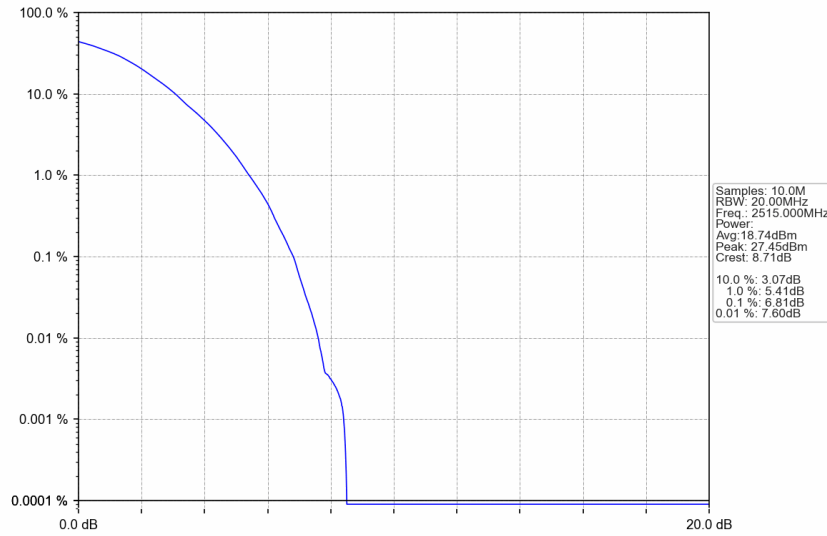
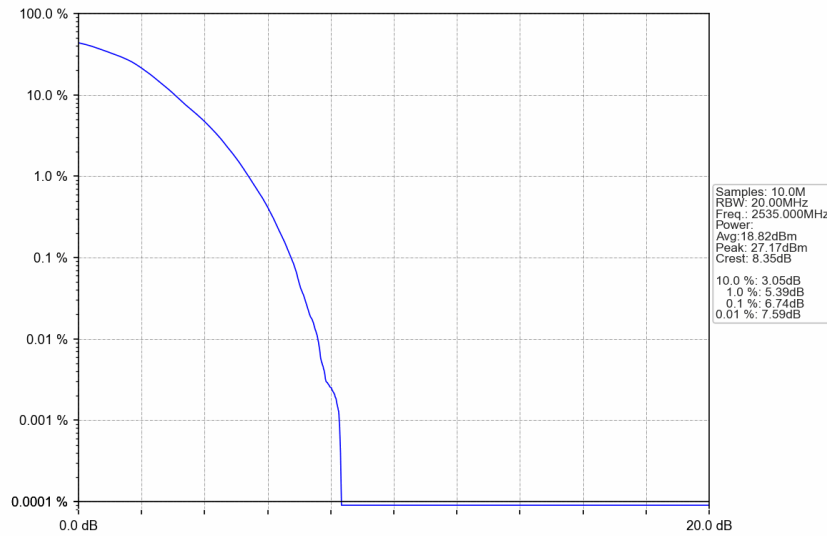


n7_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_2515MHz_Outer_Full



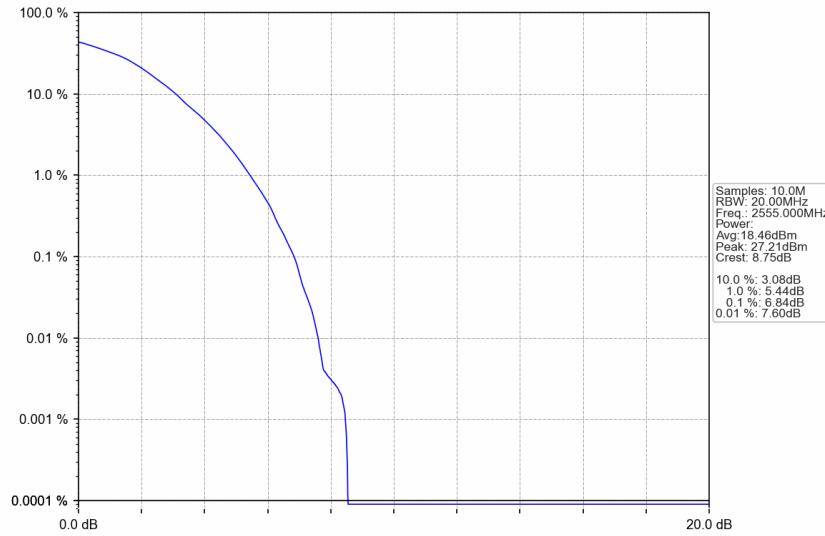
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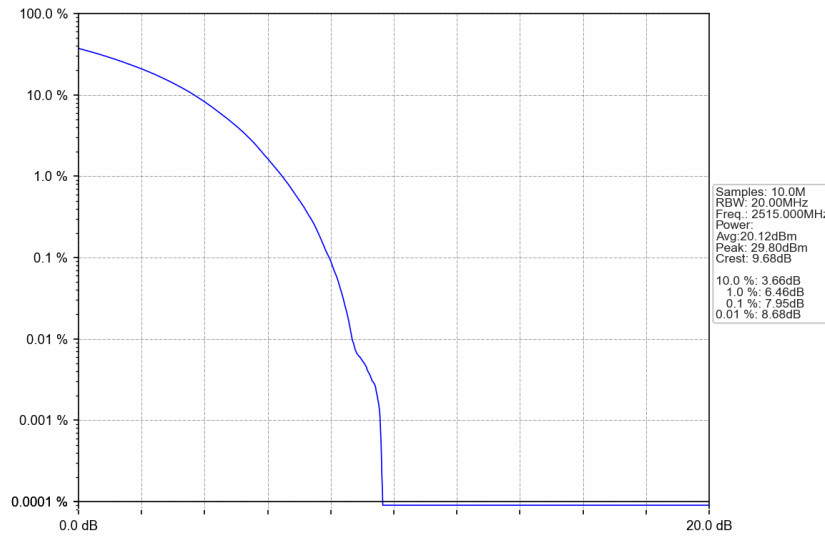
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n7_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_2555MHz_Outer_Full



n7_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_2515MHz_Outer_Full



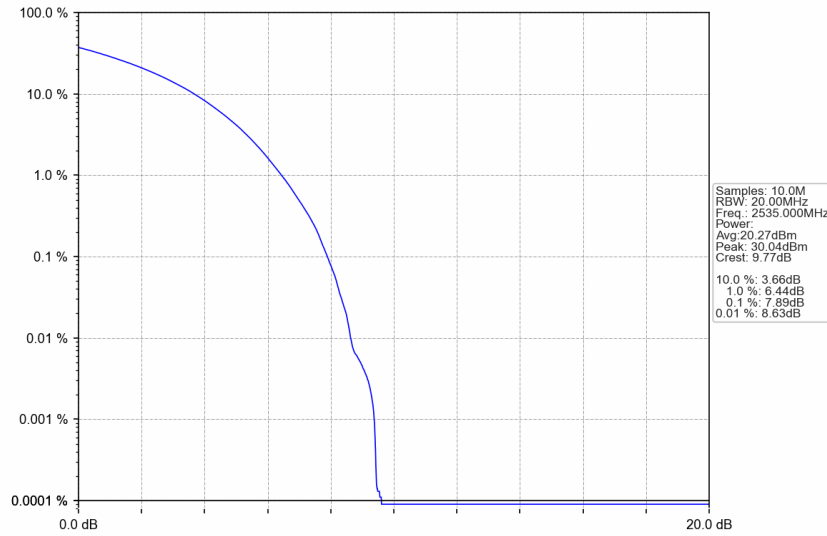
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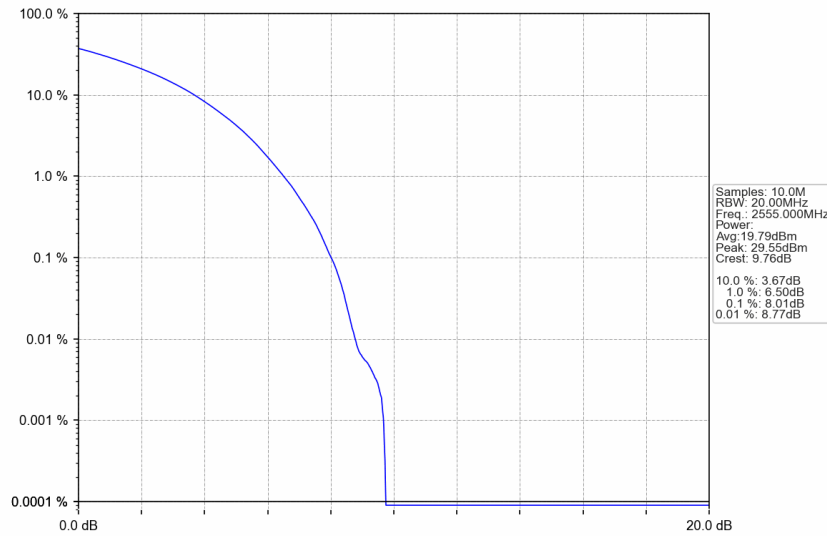
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n7_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_2535MHz_Outer_Full



n7_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_2555MHz_Outer_Full



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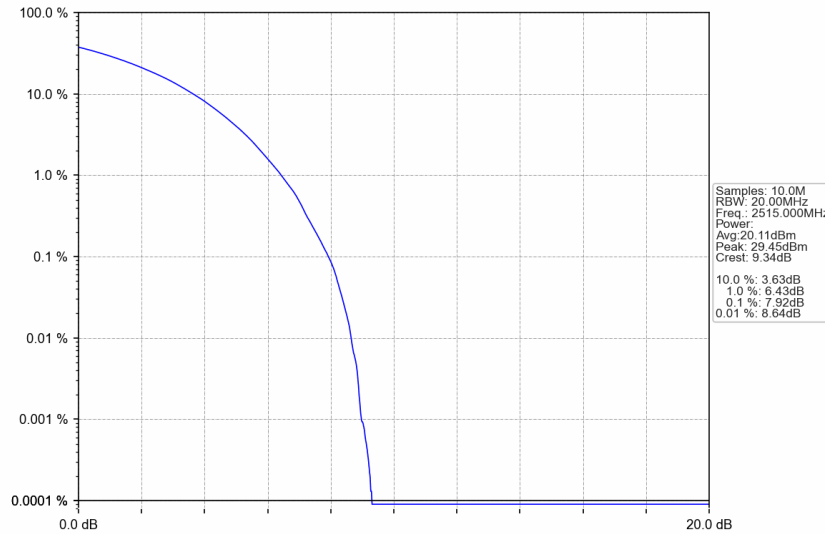
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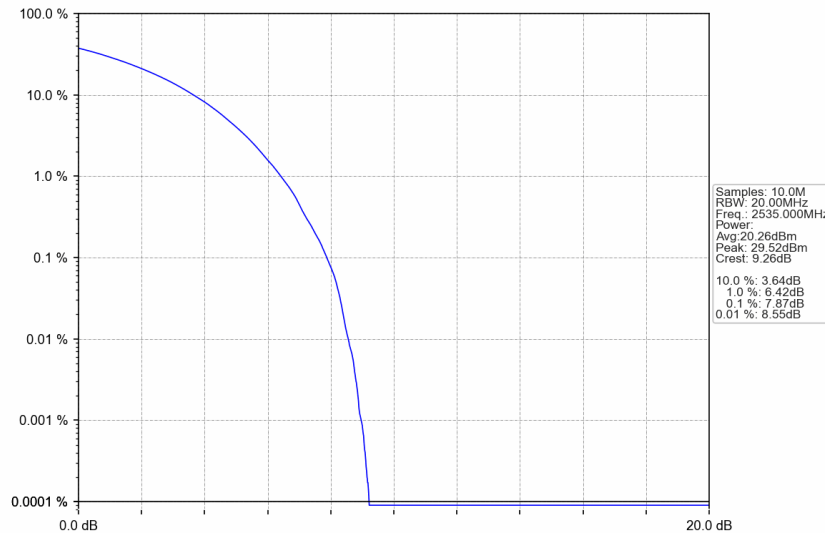
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n7_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_2515MHz_Outer_Full



n7_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_2535MHz_Outer_Full



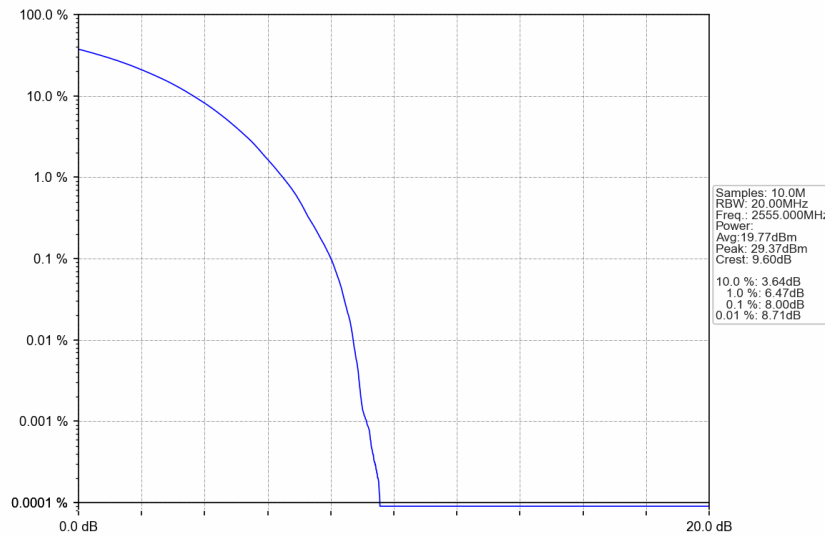
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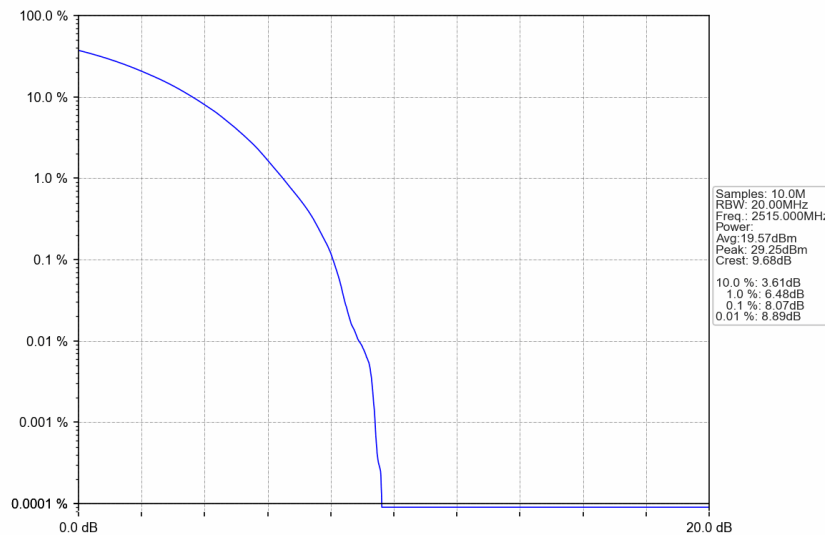
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n7_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_2555MHz_Outer_Full



n7_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_2515MHz_Outer_Full



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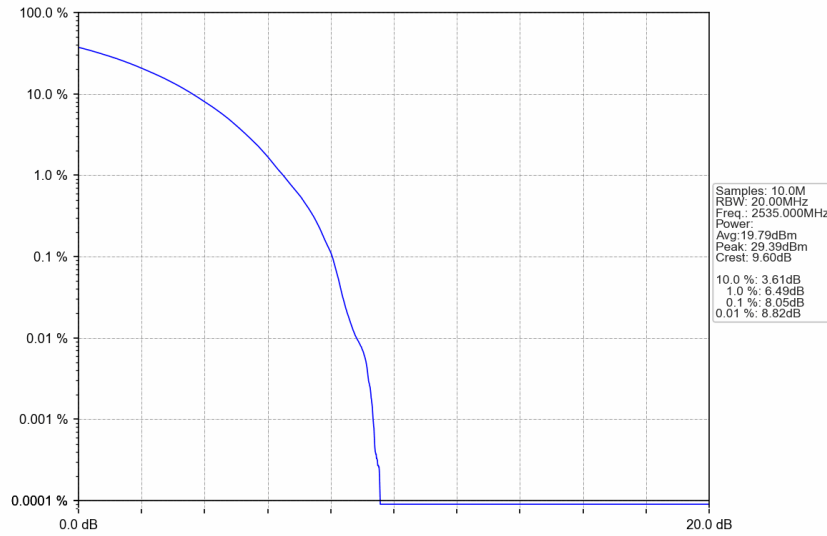
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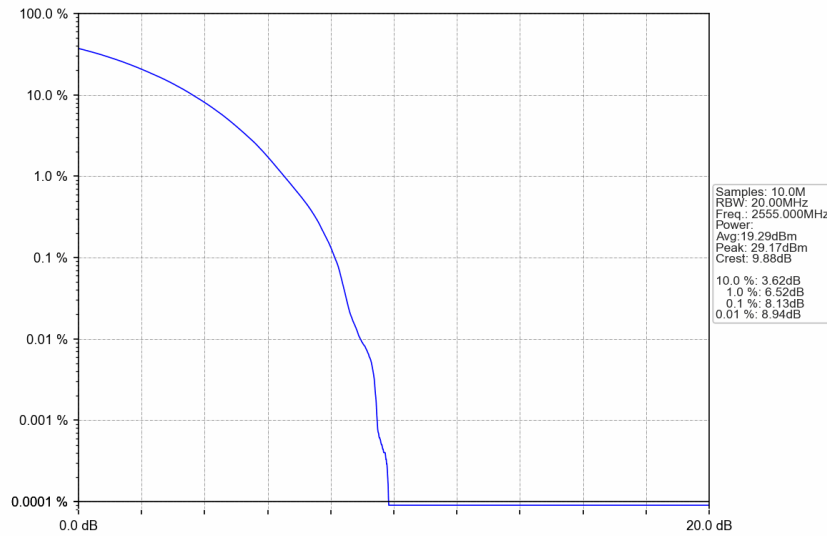
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n7_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_2535MHz_Outer_Full



n7_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_2555MHz_Outer_Full



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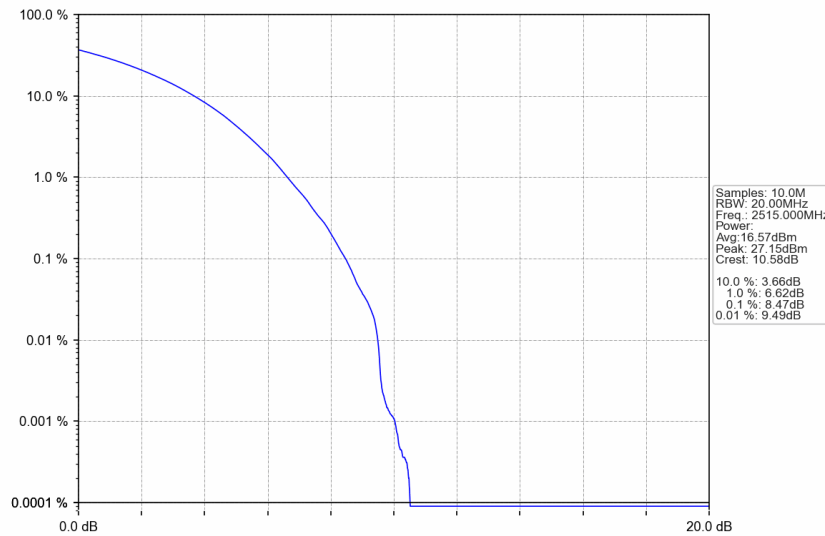
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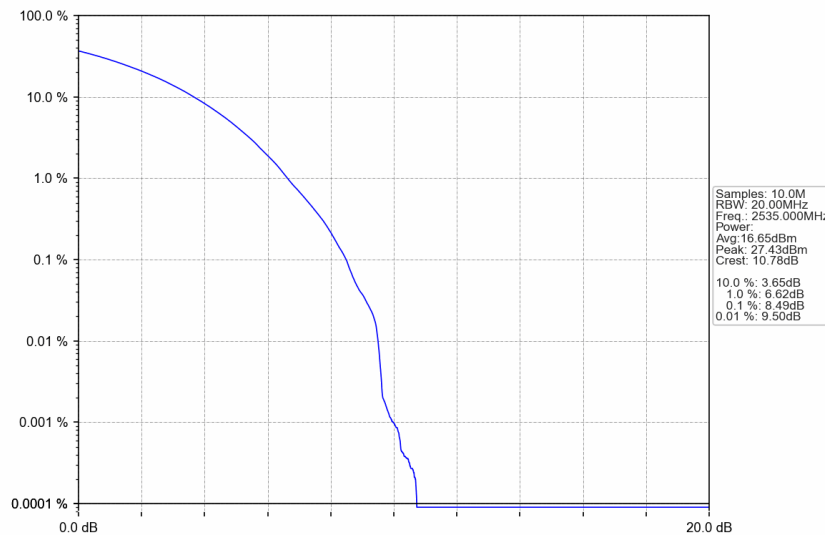
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n7_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_2515MHz_Outer_Full



n7_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_2535MHz_Outer_Full



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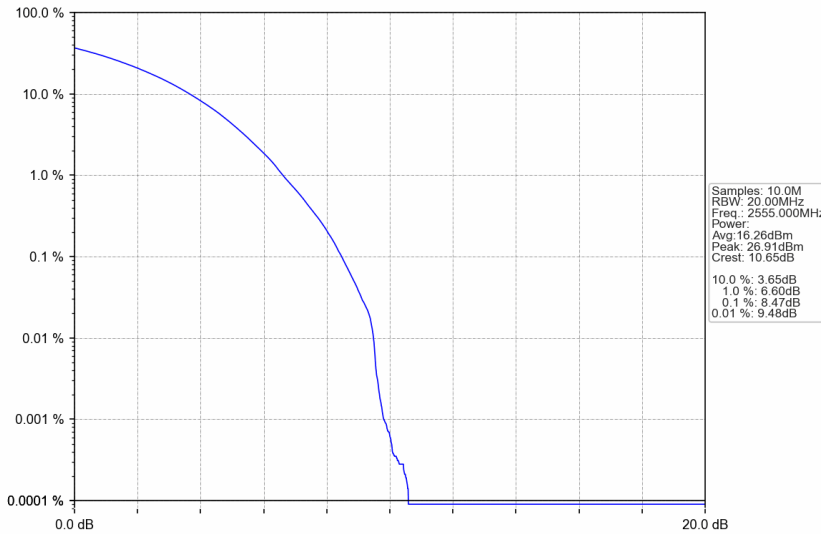


Report No.: SEWM2311000456RG02

Rev.: 01

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n7_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_2555MHz_Outer_Full



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5.14 30k_SISO_40MHz_NTNV

5.14.1 Test Result

5G NR n7 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2520	Outer_Full	6.06	/	/	<=13	Pass
	2535	Outer_Full	6.04	/	/	<=13	Pass
	2550	Outer_Full	6.02	/	/	<=13	Pass
DFT-s-OFDM QPSK	2520	Outer_Full	6.08	/	/	<=13	Pass
	2535	Outer_Full	6.04	/	/	<=13	Pass
	2550	Outer_Full	6.03	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2520	Outer_Full	6.88	/	/	<=13	Pass
	2535	Outer_Full	6.83	/	/	<=13	Pass
	2550	Outer_Full	6.88	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2520	Outer_Full	6.82	/	/	<=13	Pass
	2535	Outer_Full	6.78	/	/	<=13	Pass
	2550	Outer_Full	6.81	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2520	Outer_Full	6.93	/	/	<=13	Pass
	2535	Outer_Full	6.85	/	/	<=13	Pass
	2550	Outer_Full	6.94	/	/	<=13	Pass
CP-OFDM QPSK	2520	Outer_Full	8.16	/	/	<=13	Pass
	2535	Outer_Full	8.11	/	/	<=13	Pass
	2550	Outer_Full	8.19	/	/	<=13	Pass
CP-OFDM 16 QAM	2520	Outer_Full	8.10	/	/	<=13	Pass
	2535	Outer_Full	8.04	/	/	<=13	Pass
	2550	Outer_Full	8.10	/	/	<=13	Pass
CP-OFDM 64 QAM	2520	Outer_Full	8.28	/	/	<=13	Pass
	2535	Outer_Full	8.19	/	/	<=13	Pass
	2550	Outer_Full	8.30	/	/	<=13	Pass
CP-OFDM 256 QAM	2520	Outer_Full	8.34	/	/	<=13	Pass
	2535	Outer_Full	8.34	/	/	<=13	Pass
	2550	Outer_Full	8.33	/	/	<=13	Pass

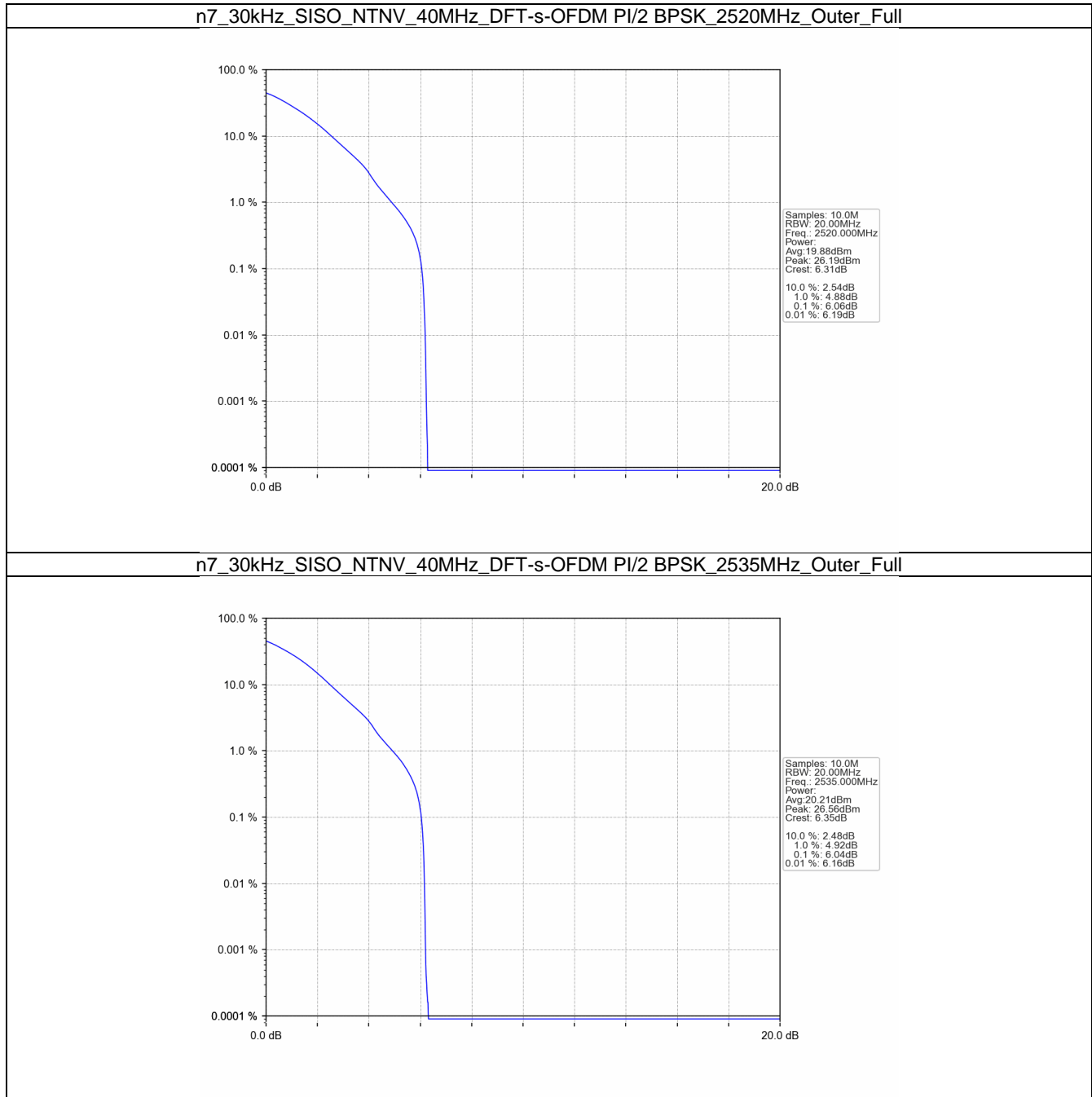


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5.14.2 Test Graph

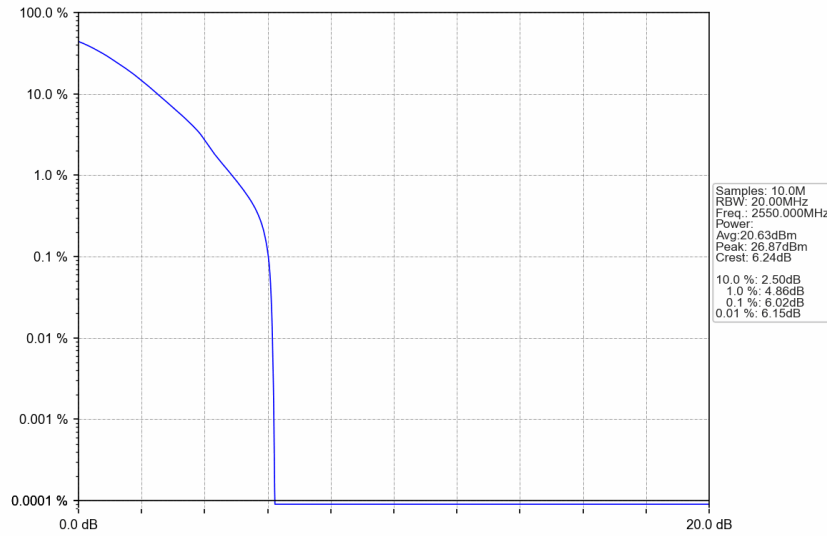


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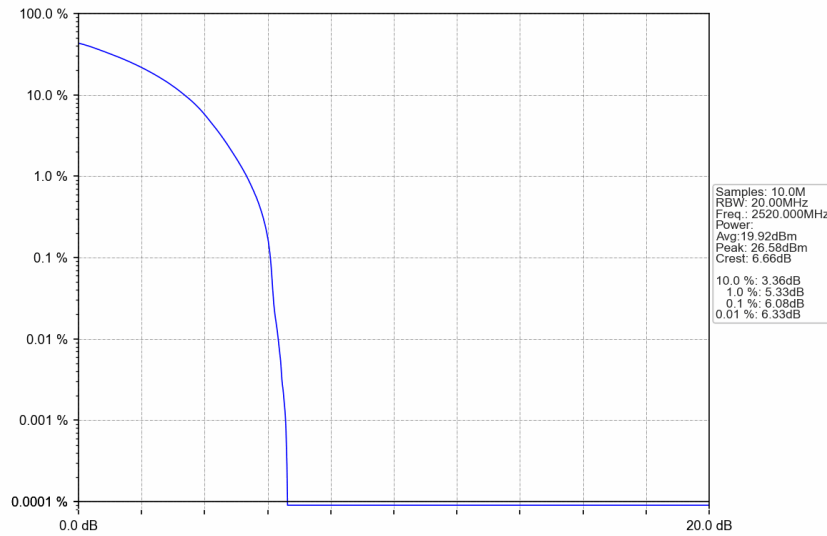
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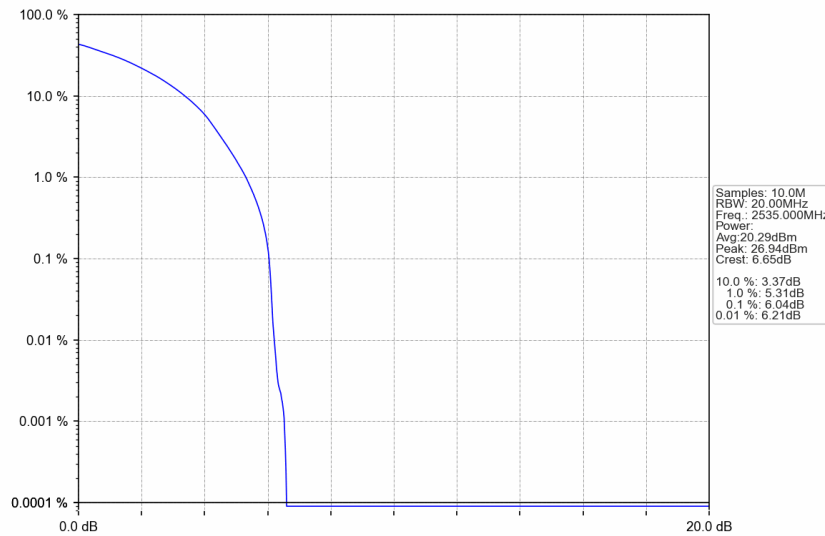


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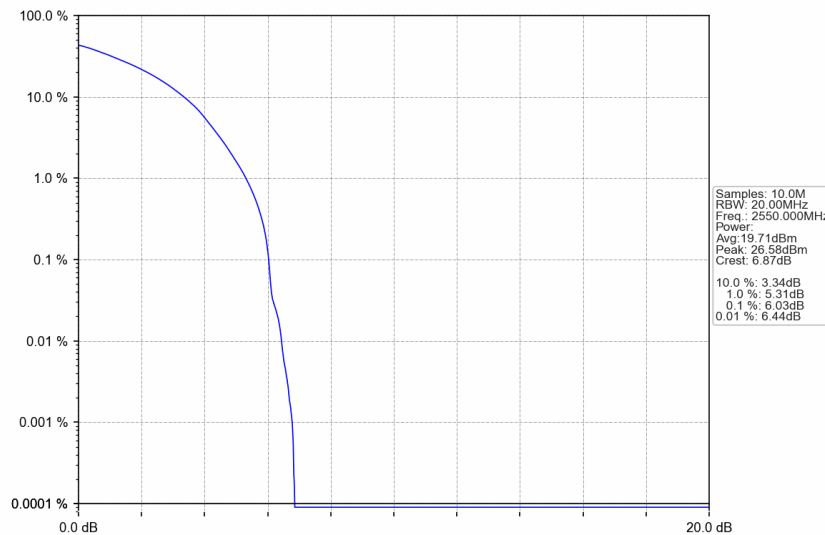
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n7_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_2535MHz_Outer_Full



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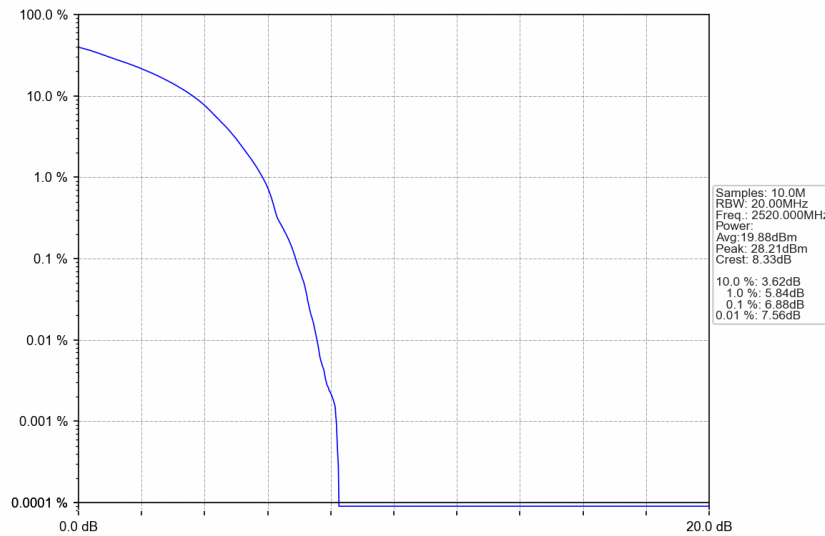
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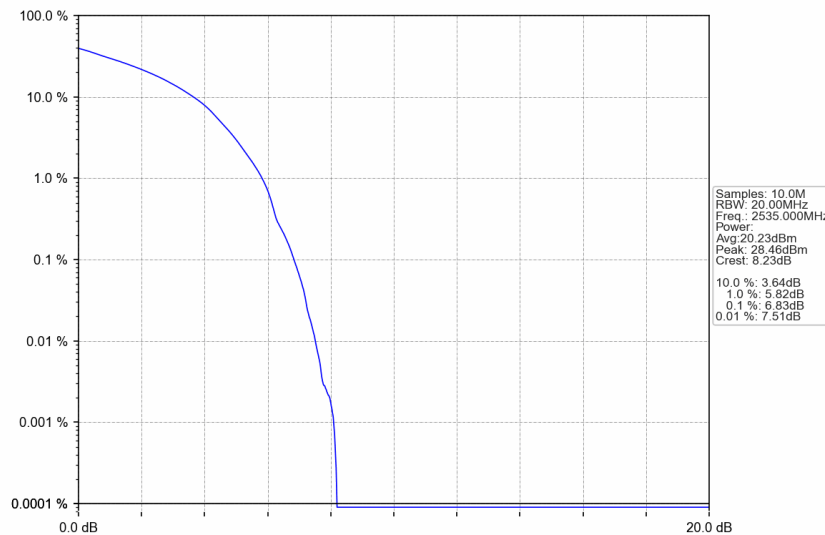
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n7_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_2520MHz_Outer_Full



n7_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_2535MHz_Outer_Full

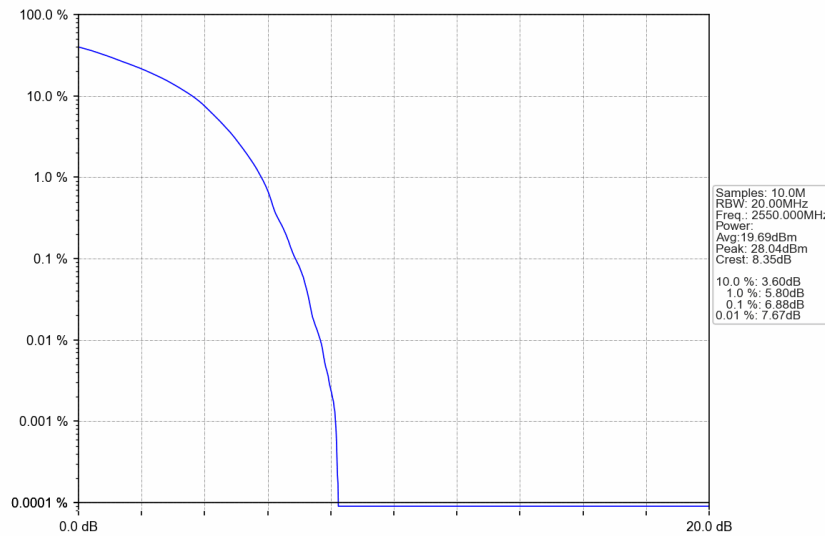


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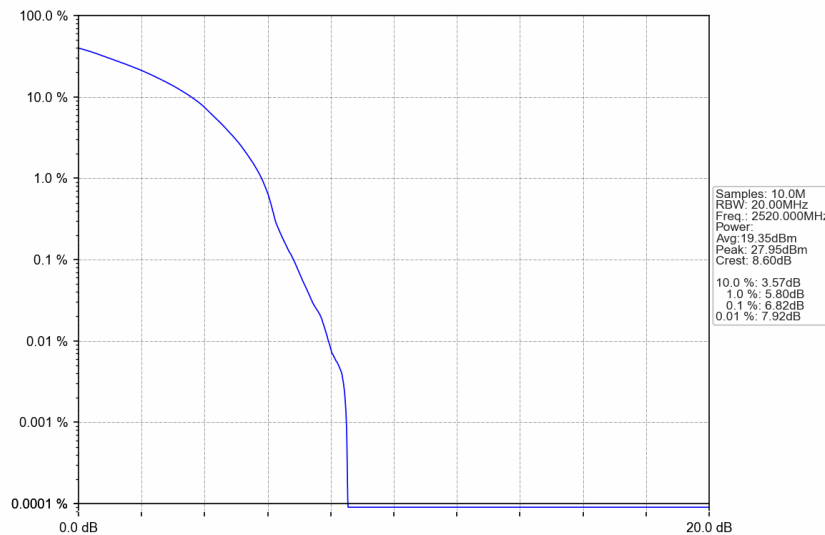
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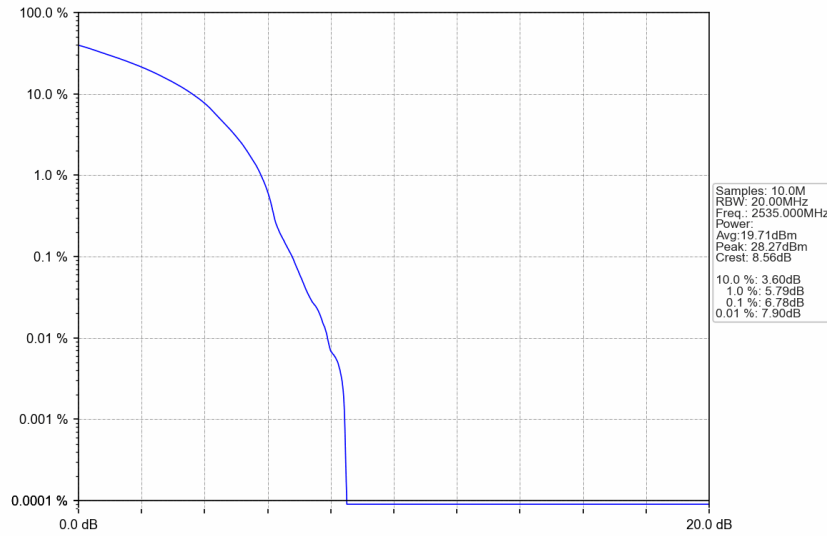
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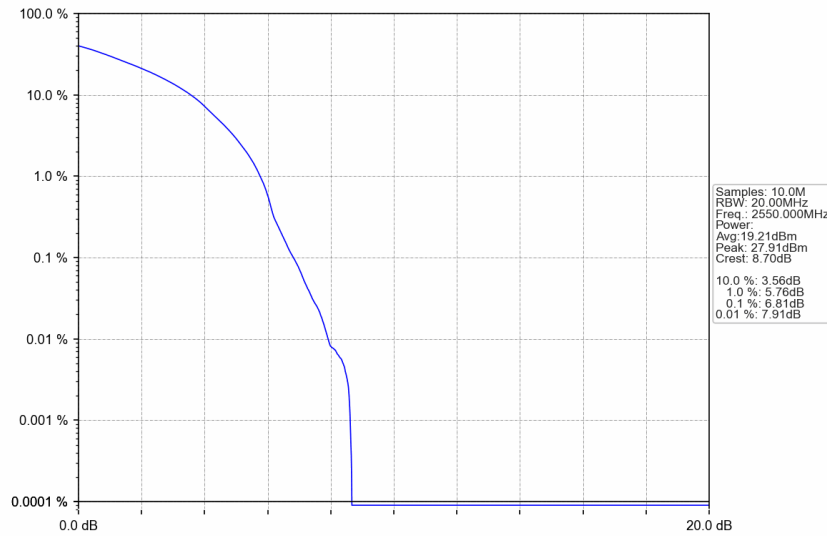
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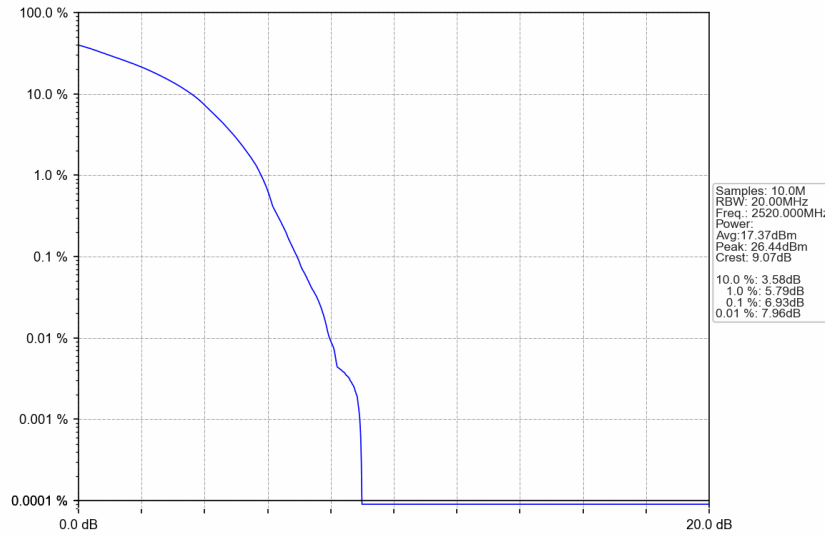
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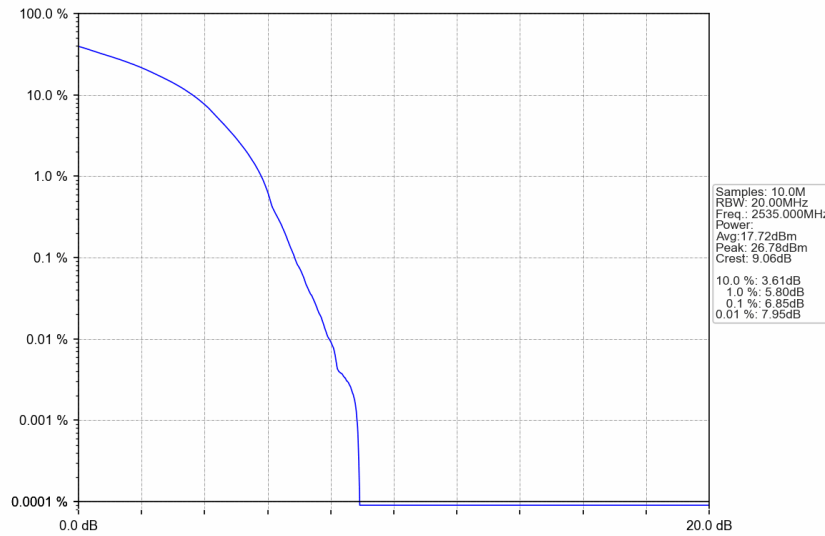
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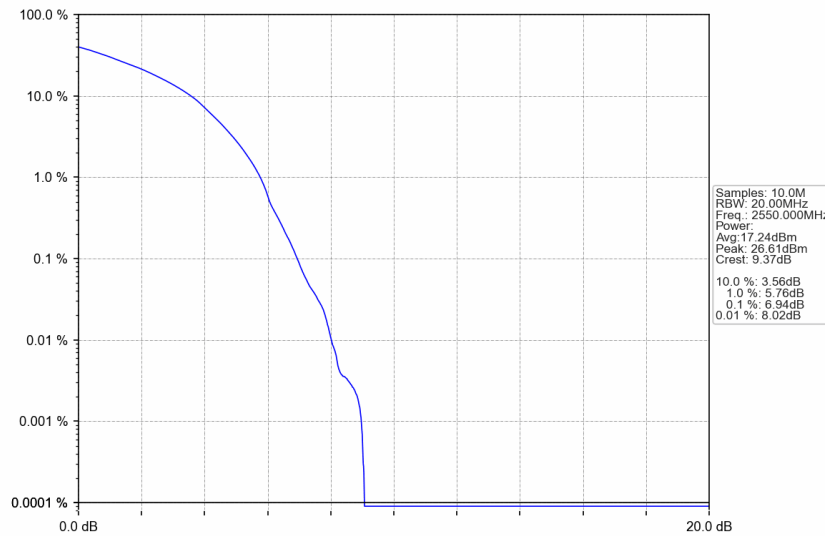
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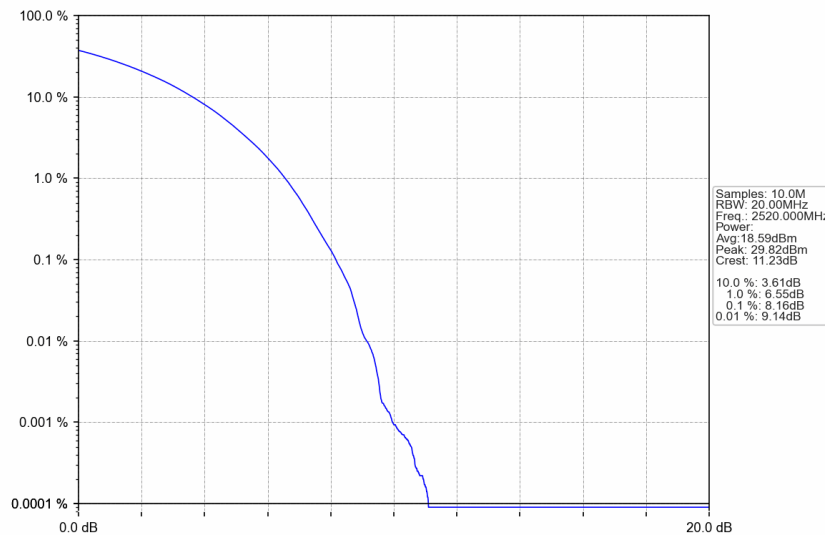
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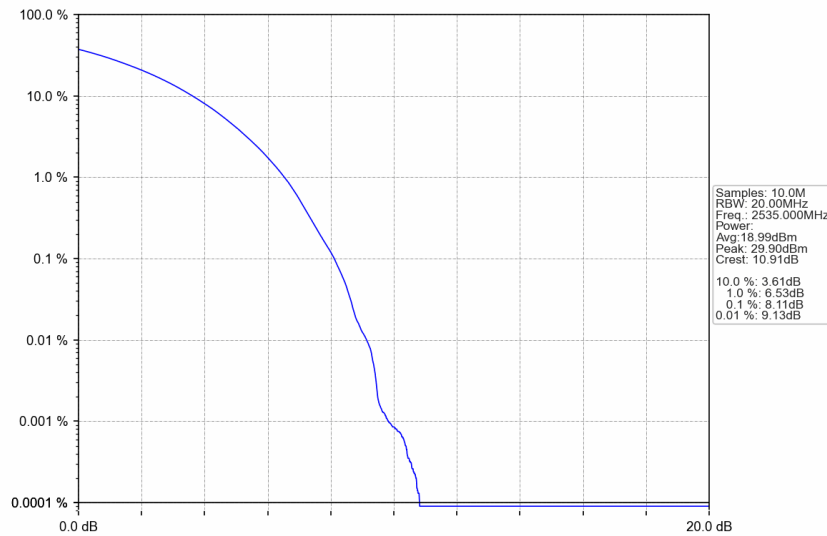
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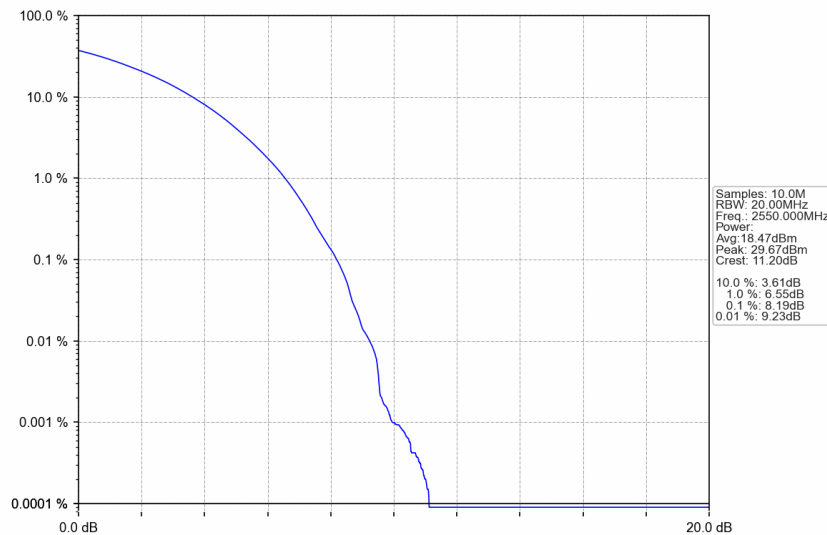
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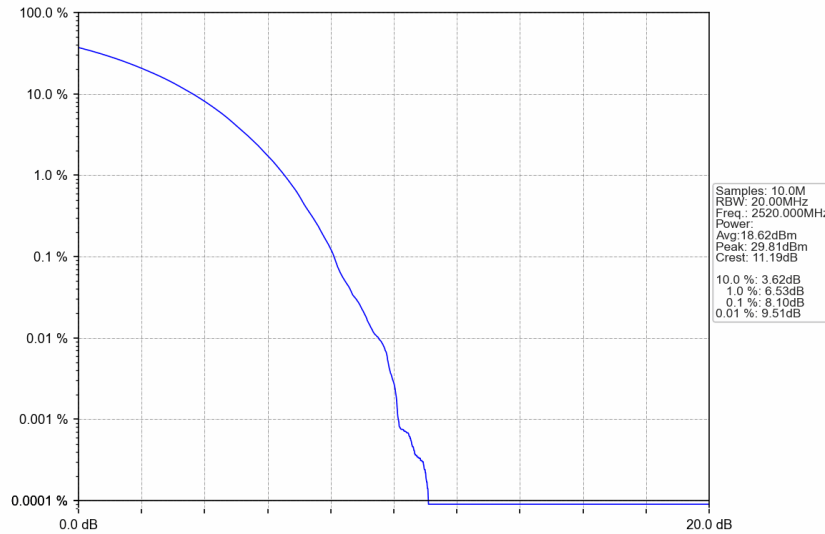
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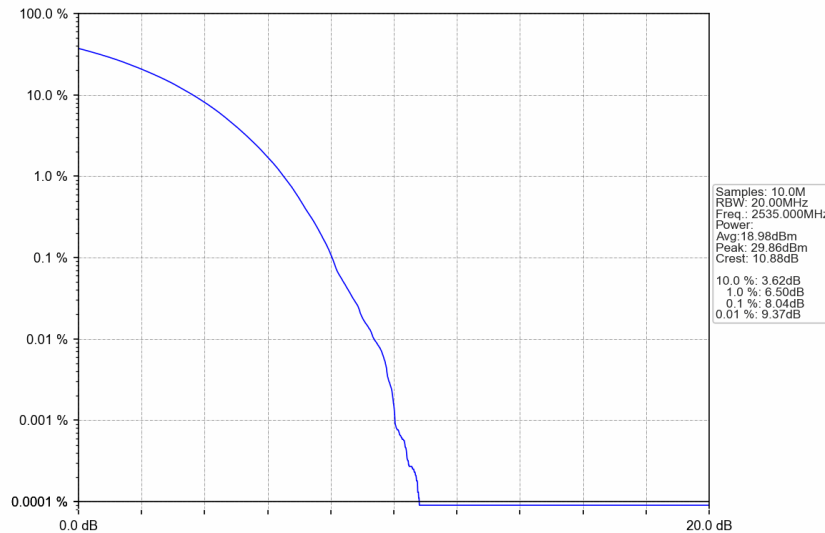
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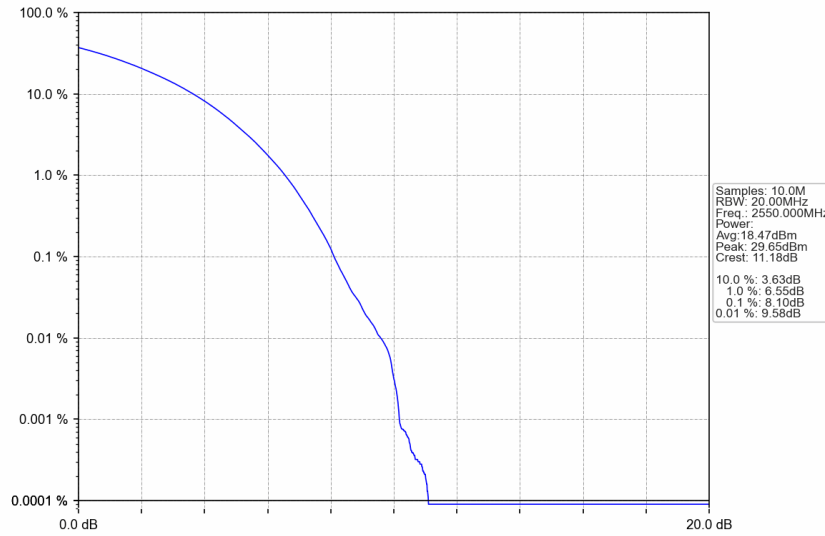


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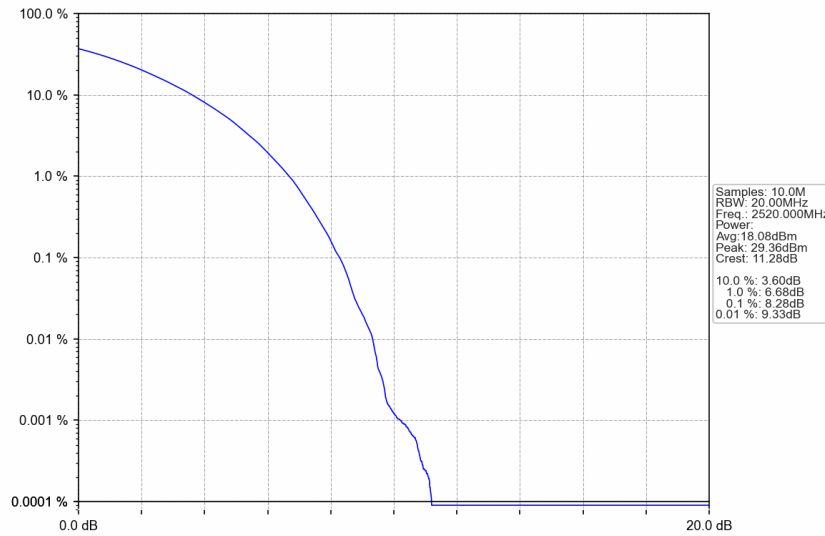
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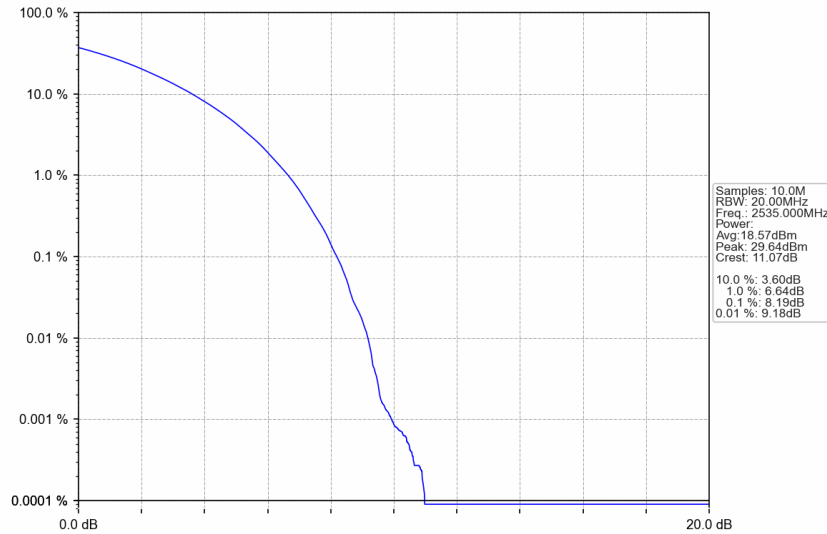


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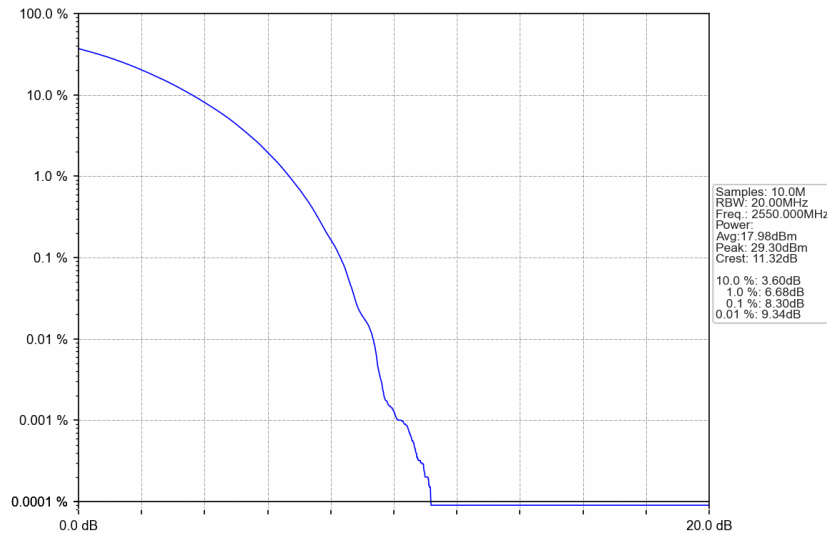
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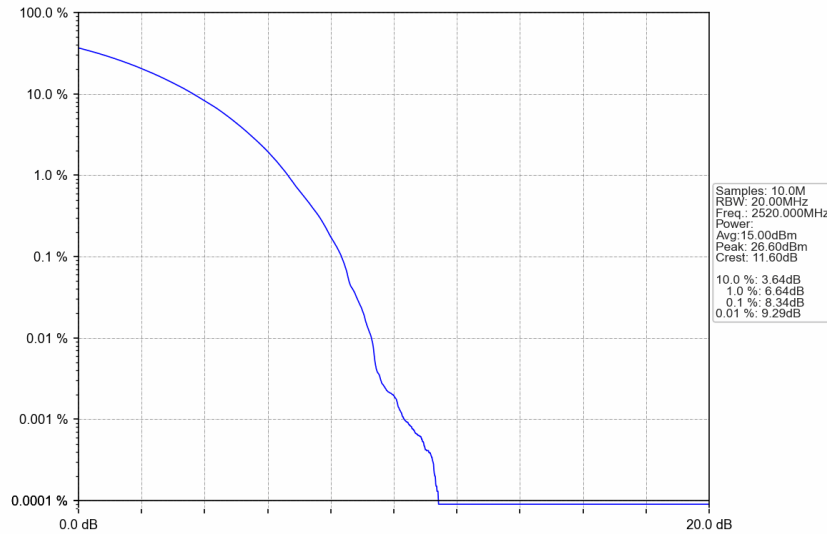
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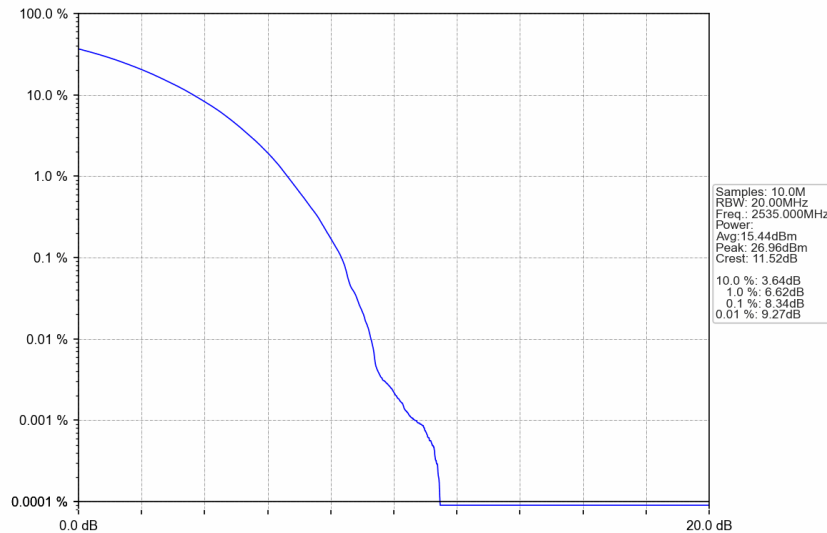
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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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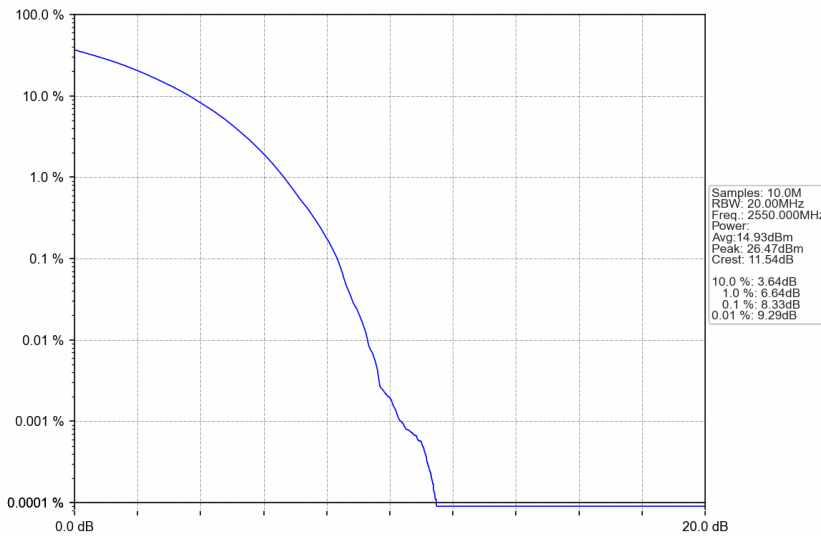


Report No.: SEWM2311000456RG02

Rev.: 01

Page: 550 of 985

n7_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_2550MHz_Outer_Full



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5.15 30k_SISO_50MHz_NTNV

5.15.1 Test Result

5G NR n7 SCS=30kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2525	Outer_Full	5.27	/	/	<=13	Pass
	2535	Outer_Full	5.08	/	/	<=13	Pass
	2545	Outer_Full	5.04	/	/	<=13	Pass
DFT-s-OFDM QPSK	2525	Outer_Full	6.28	/	/	<=13	Pass
	2535	Outer_Full	6.24	/	/	<=13	Pass
	2545	Outer_Full	6.32	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2525	Outer_Full	7.13	/	/	<=13	Pass
	2535	Outer_Full	7.06	/	/	<=13	Pass
	2545	Outer_Full	7.08	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2525	Outer_Full	7.09	/	/	<=13	Pass
	2535	Outer_Full	7.06	/	/	<=13	Pass
	2545	Outer_Full	7.06	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2525	Outer_Full	7.15	/	/	<=13	Pass
	2535	Outer_Full	7.15	/	/	<=13	Pass
	2545	Outer_Full	7.20	/	/	<=13	Pass
CP-OFDM QPSK	2525	Outer_Full	8.19	/	/	<=13	Pass
	2535	Outer_Full	8.14	/	/	<=13	Pass
	2545	Outer_Full	8.12	/	/	<=13	Pass
CP-OFDM 16 QAM	2525	Outer_Full	8.29	/	/	<=13	Pass
	2535	Outer_Full	8.26	/	/	<=13	Pass
	2545	Outer_Full	8.30	/	/	<=13	Pass
CP-OFDM 64 QAM	2525	Outer_Full	8.27	/	/	<=13	Pass
	2535	Outer_Full	8.22	/	/	<=13	Pass
	2545	Outer_Full	8.23	/	/	<=13	Pass
CP-OFDM 256 QAM	2525	Outer_Full	8.45	/	/	<=13	Pass
	2535	Outer_Full	8.41	/	/	<=13	Pass
	2545	Outer_Full	8.38	/	/	<=13	Pass

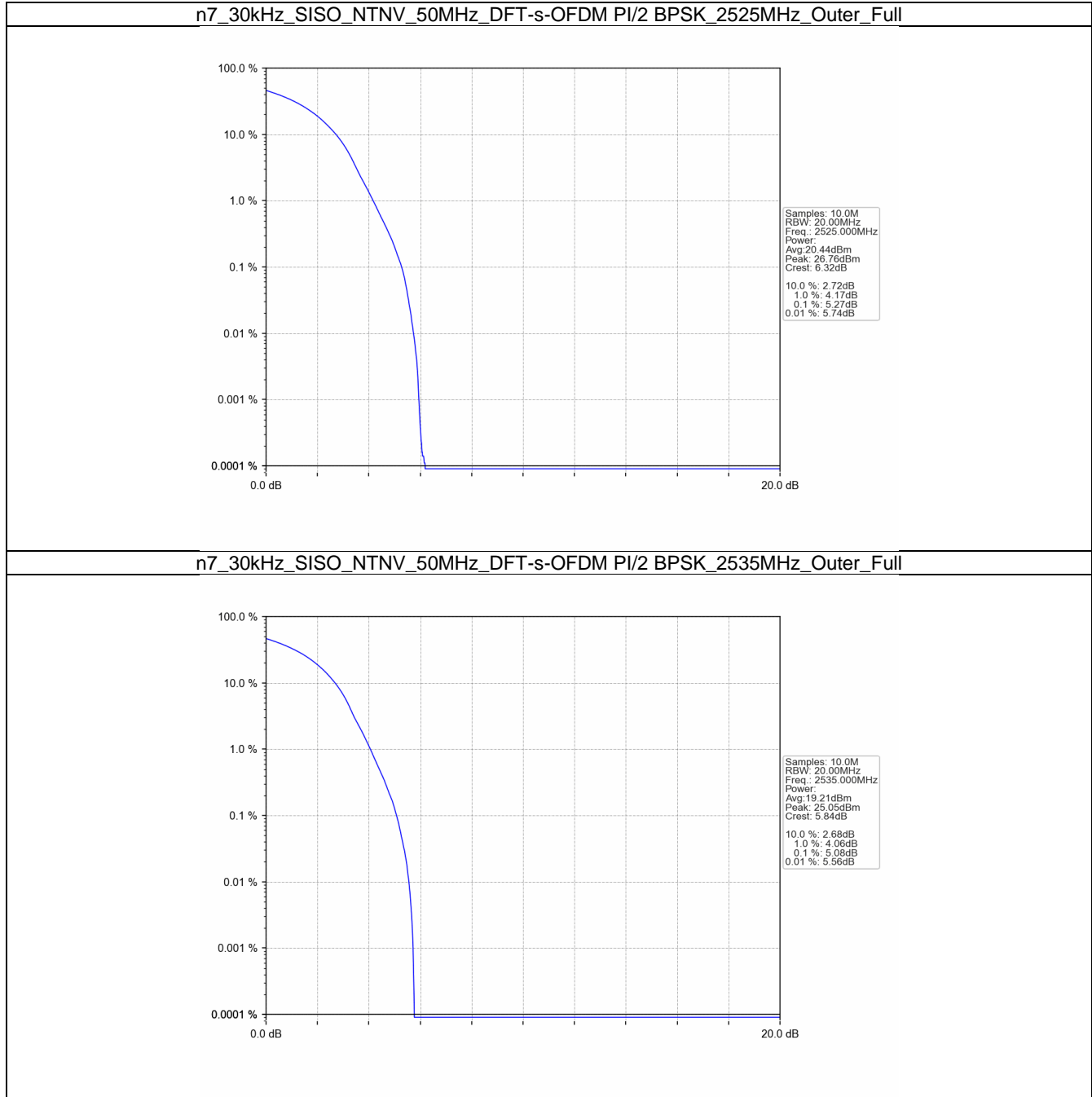


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5.15.2 Test Graph

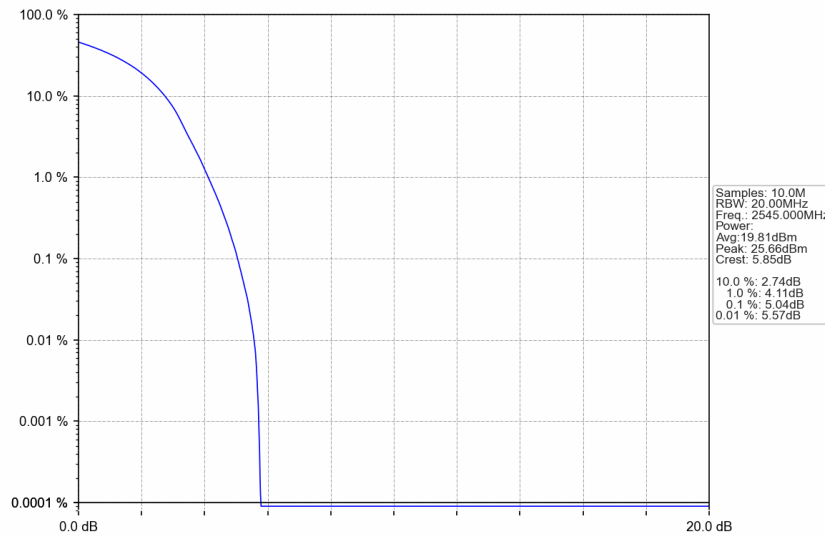


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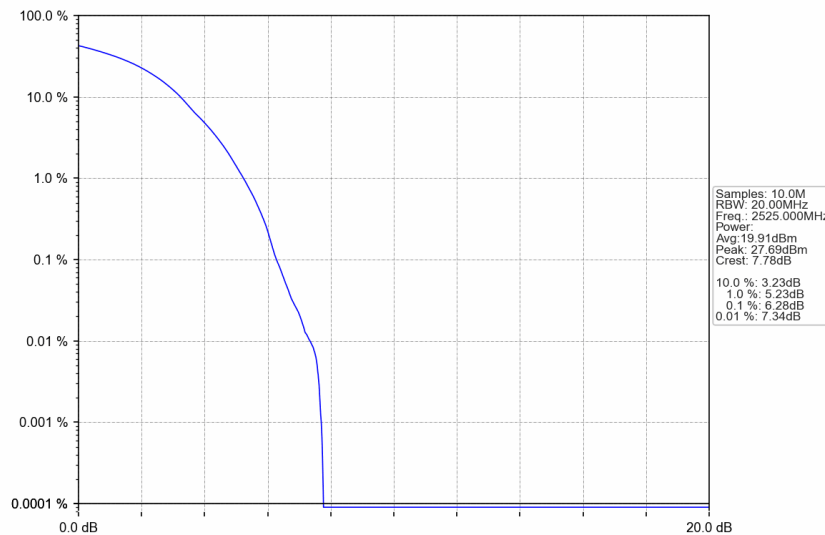
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n7_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_2525MHz_Outer_Full

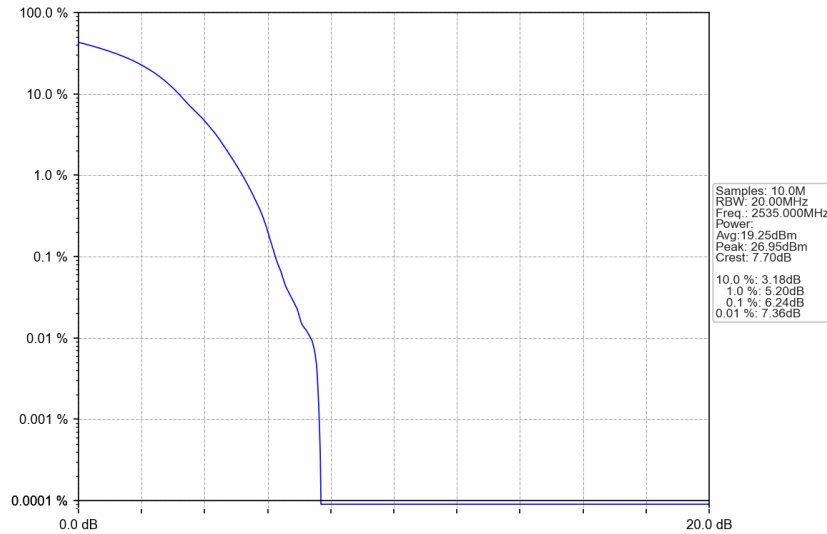


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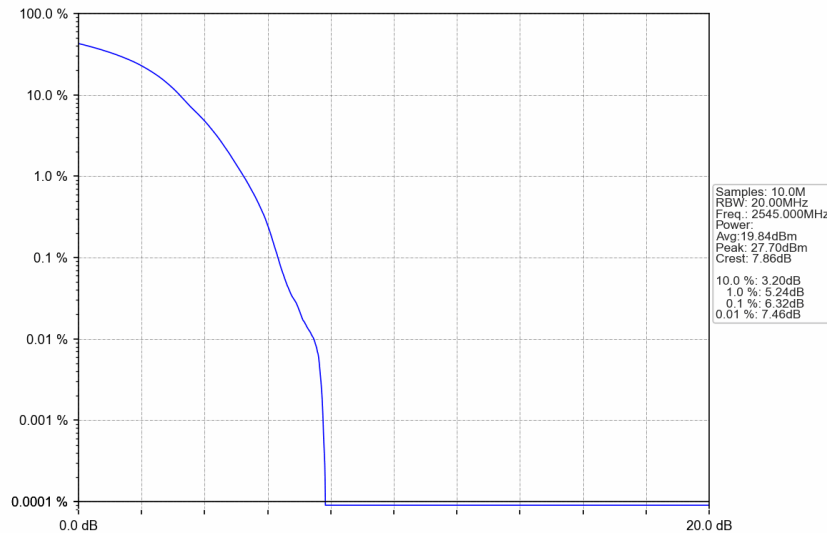
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n7_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_2545MHz_Outer_Full



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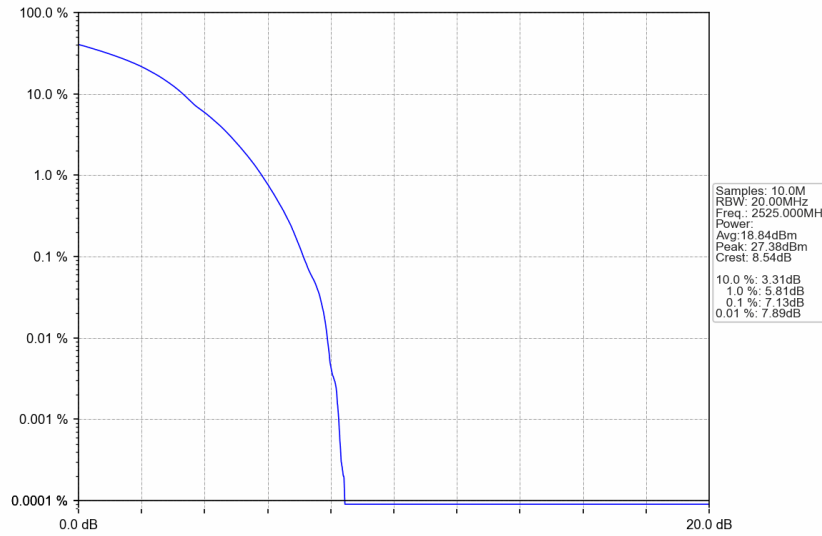
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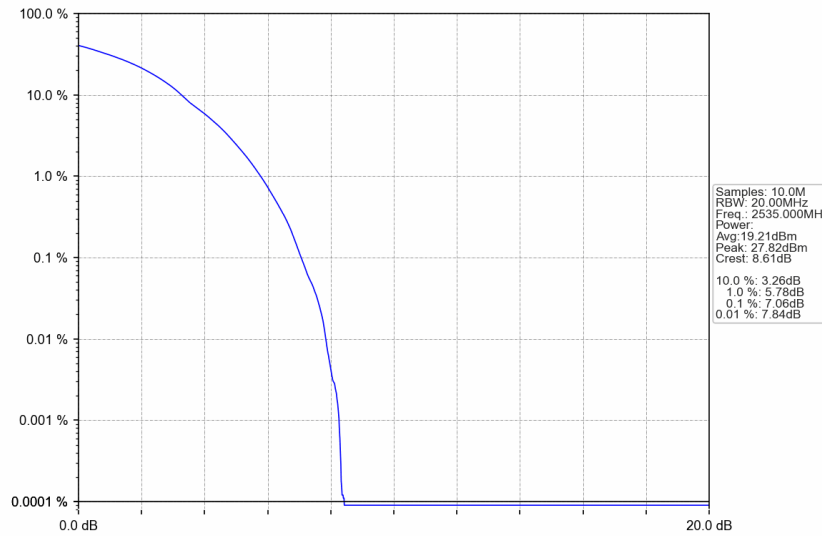
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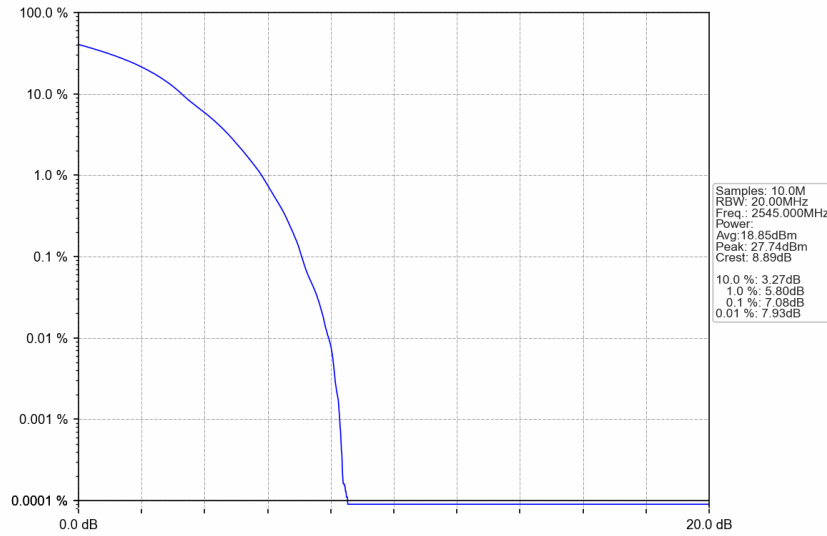


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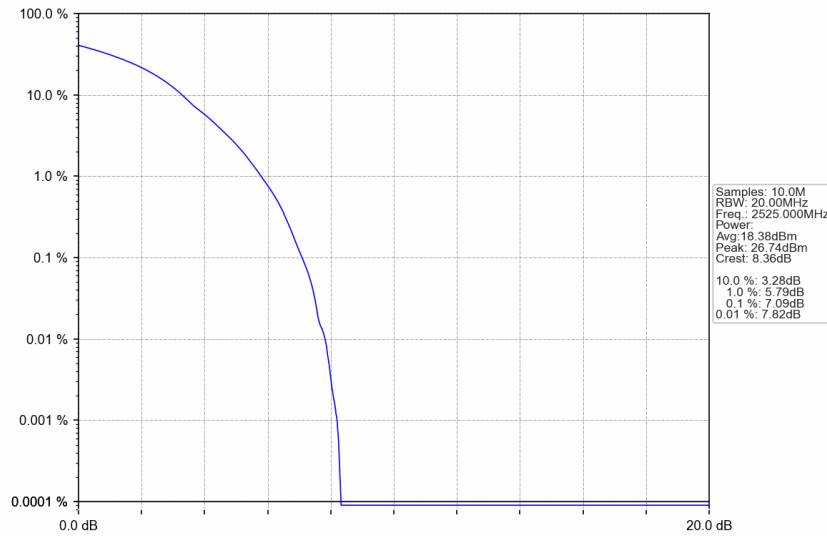
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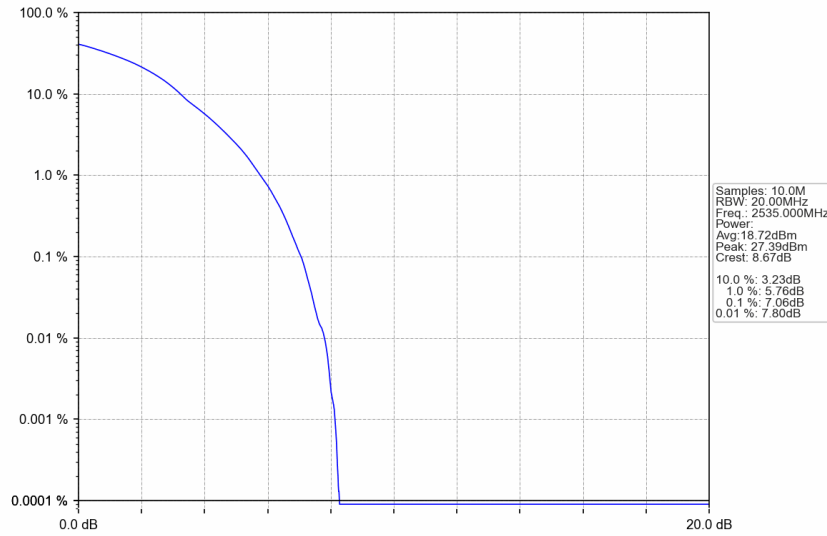


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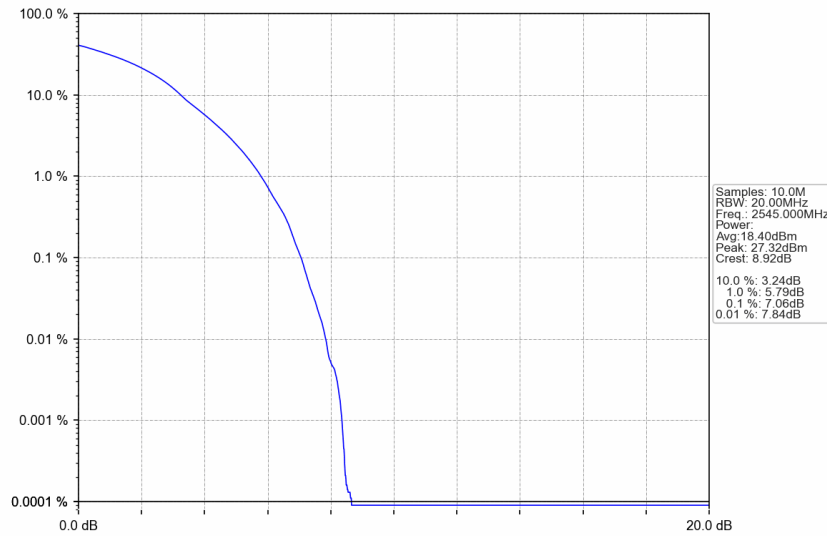
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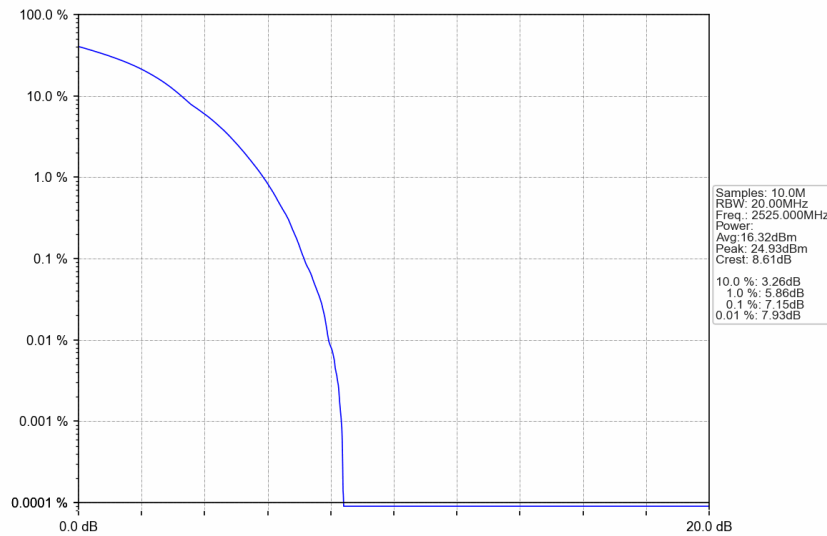
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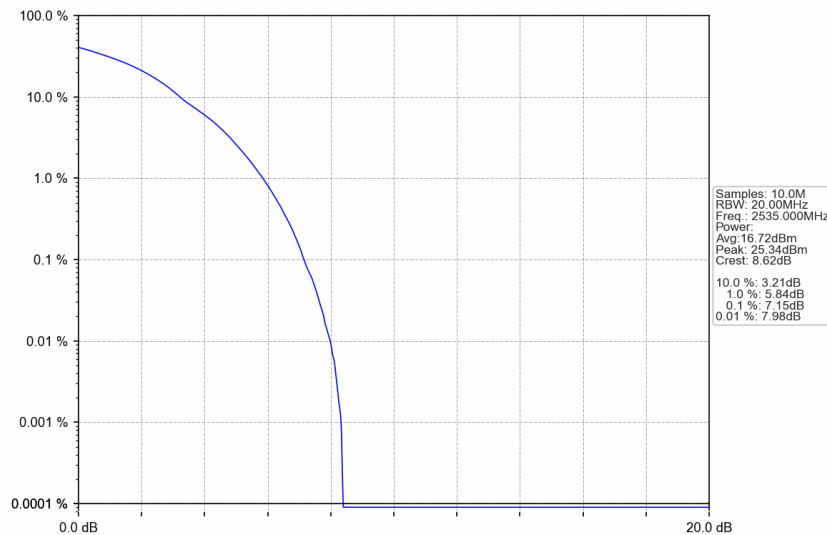
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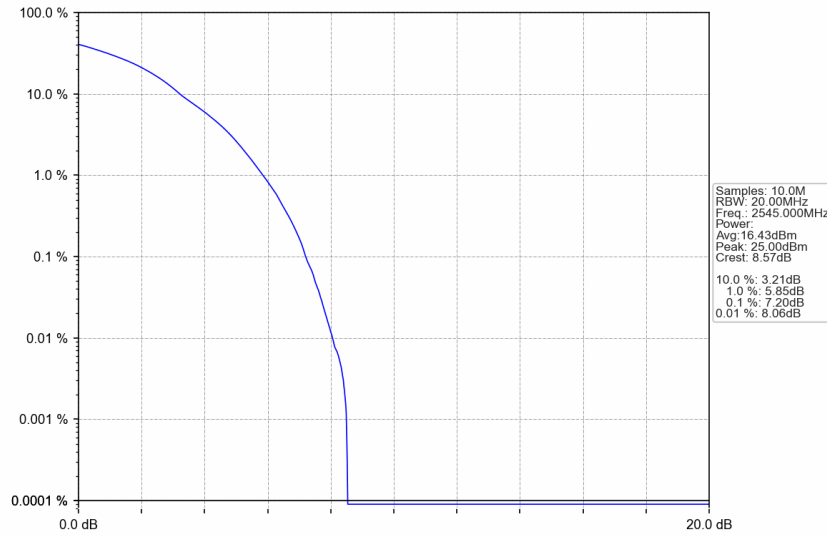
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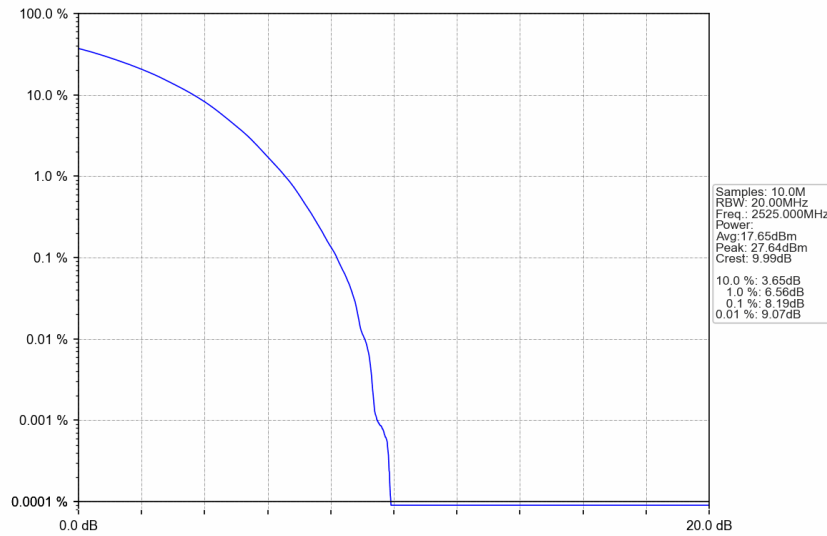
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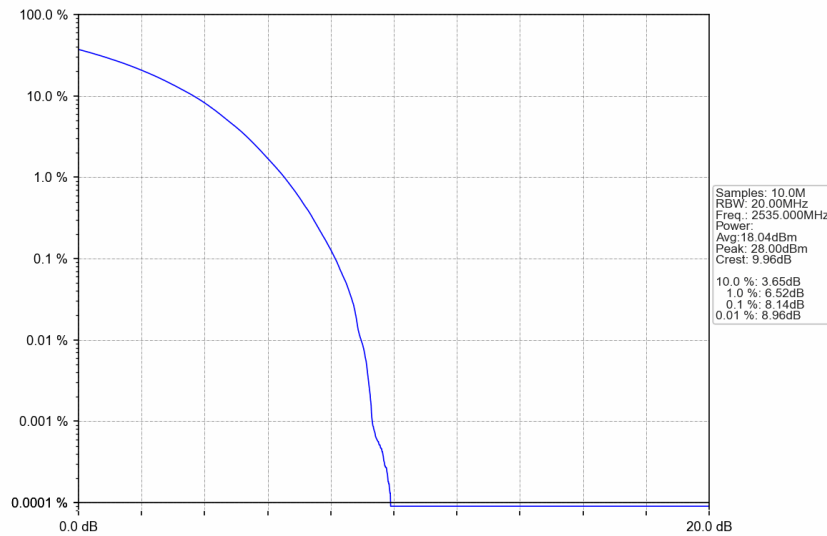
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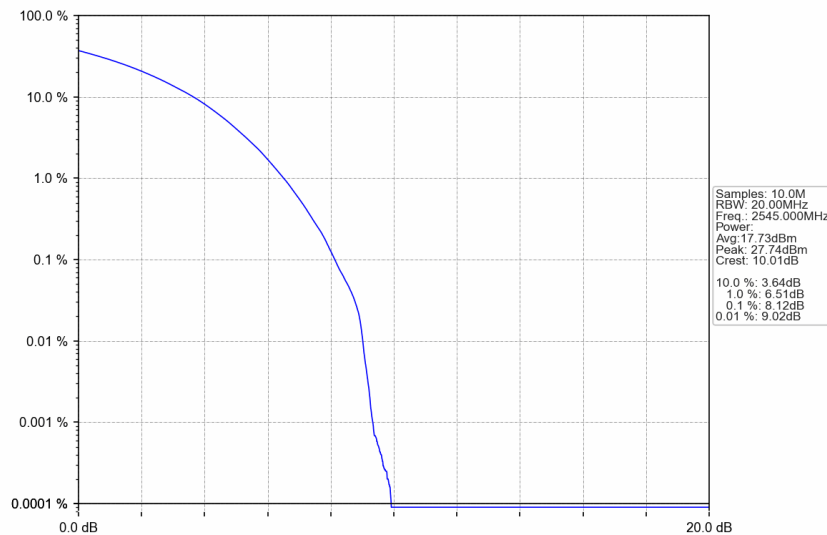
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n7_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_2545MHz_Outer_Full



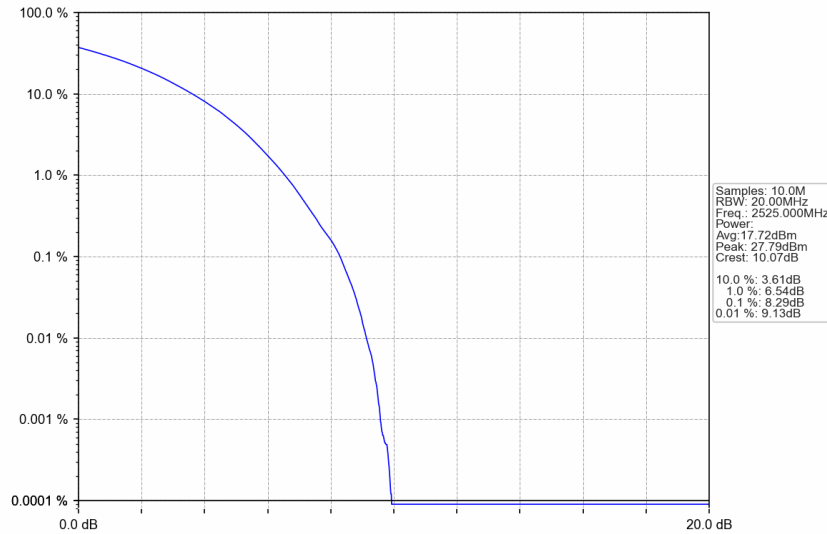
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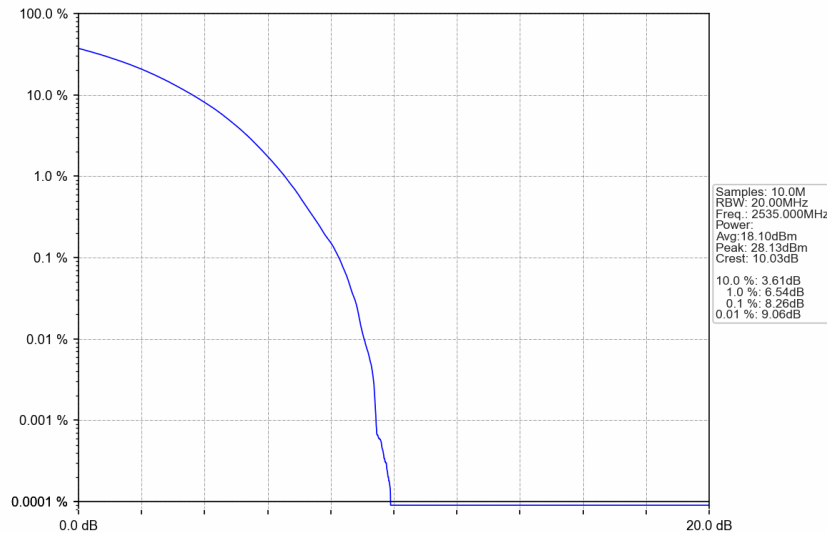
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n7_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_2525MHz_Outer_Full



n7_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_2535MHz_Outer_Full



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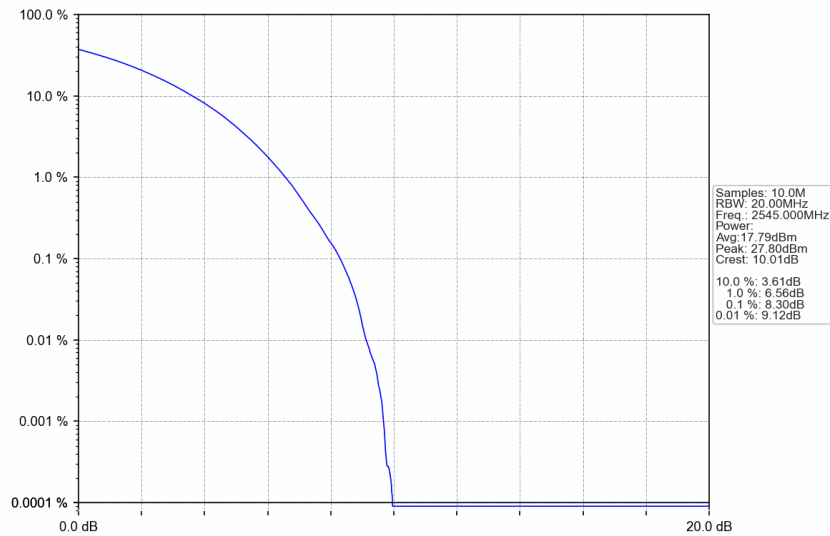
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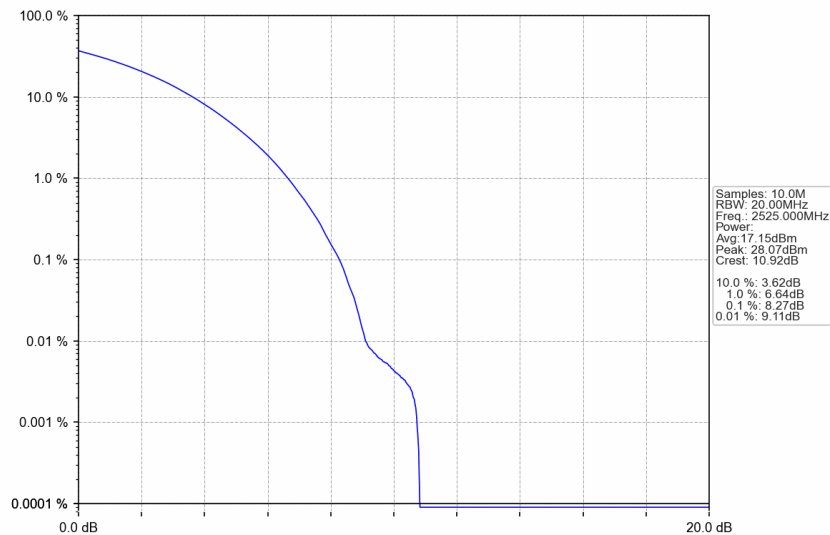
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n7_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_2545MHz_Outer_Full

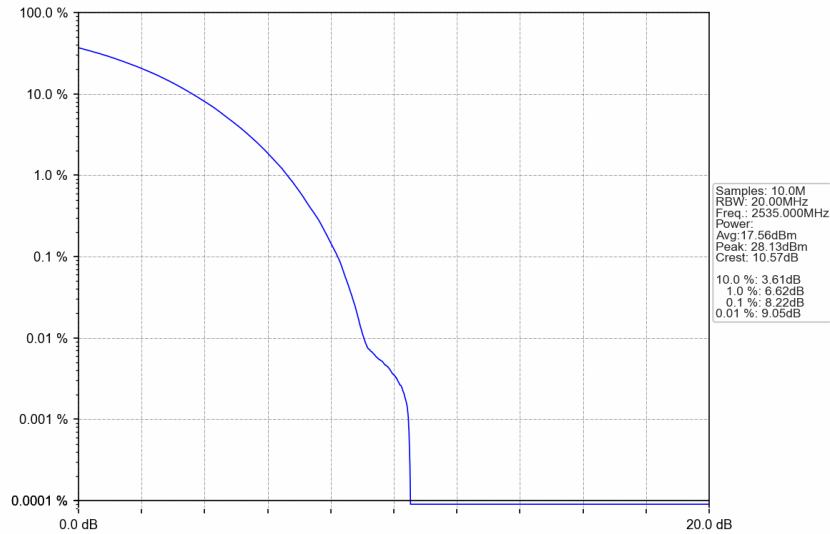


n7_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_2525MHz_Outer_Full

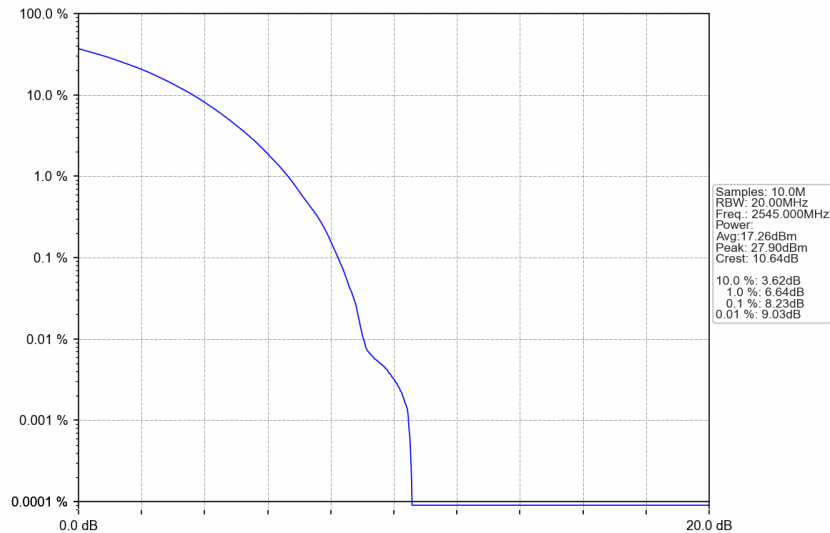


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n7_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_2535MHz_Outer_Full



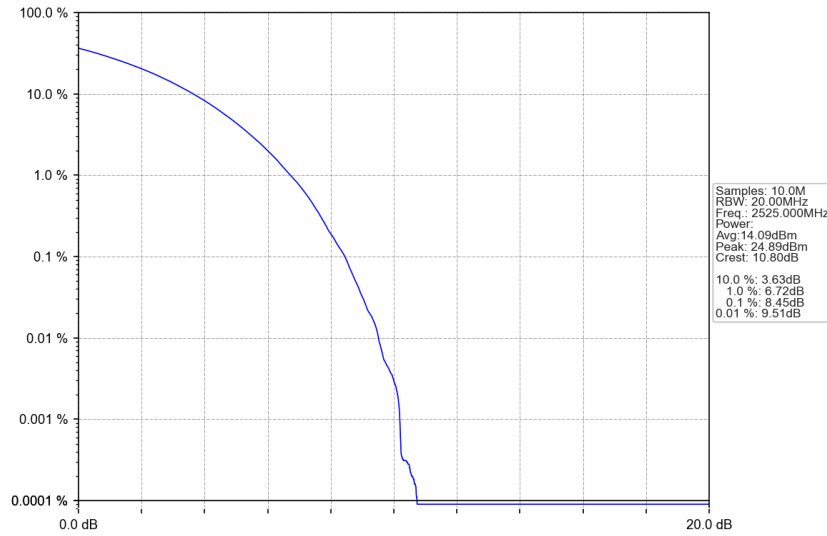
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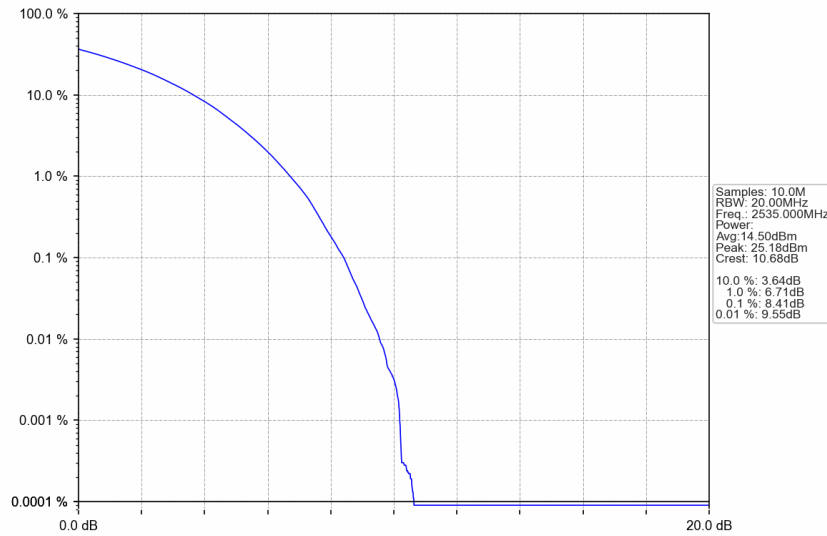
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n7_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_2525MHz_Outer_Full



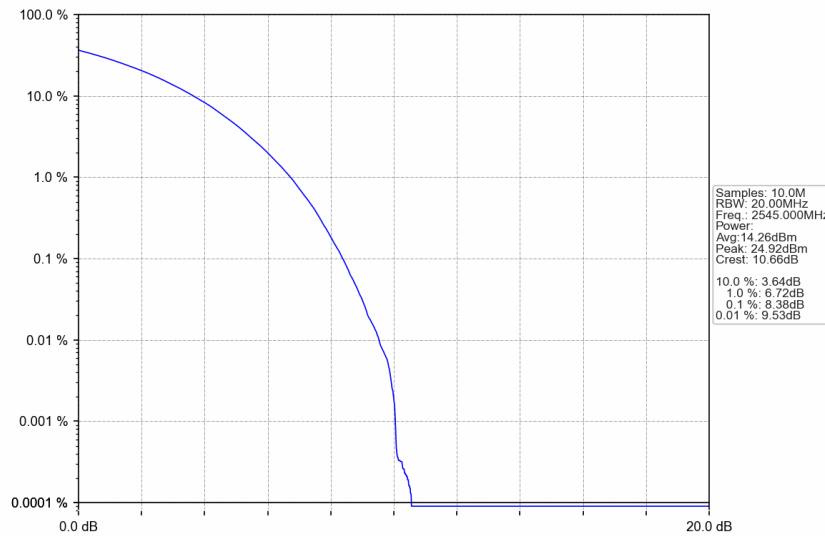
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6. Spurious Emission & Band Edges

6.1 15k_SISO_5MHz_NTNV

6.1.1 Test Result

5G NR n7 SCS=15kHz SISO 5MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM PI/2 BPSK	2502.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	2535	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	2502.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	2535	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	2502.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	2535	Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
2567.5	Edge_1RB_Left	Refer To Test Graph			Pass	
	Outer_Full	Refer To Test Graph			Pass	
	Inner_1RB_Right	Refer To Test Graph			Pass	

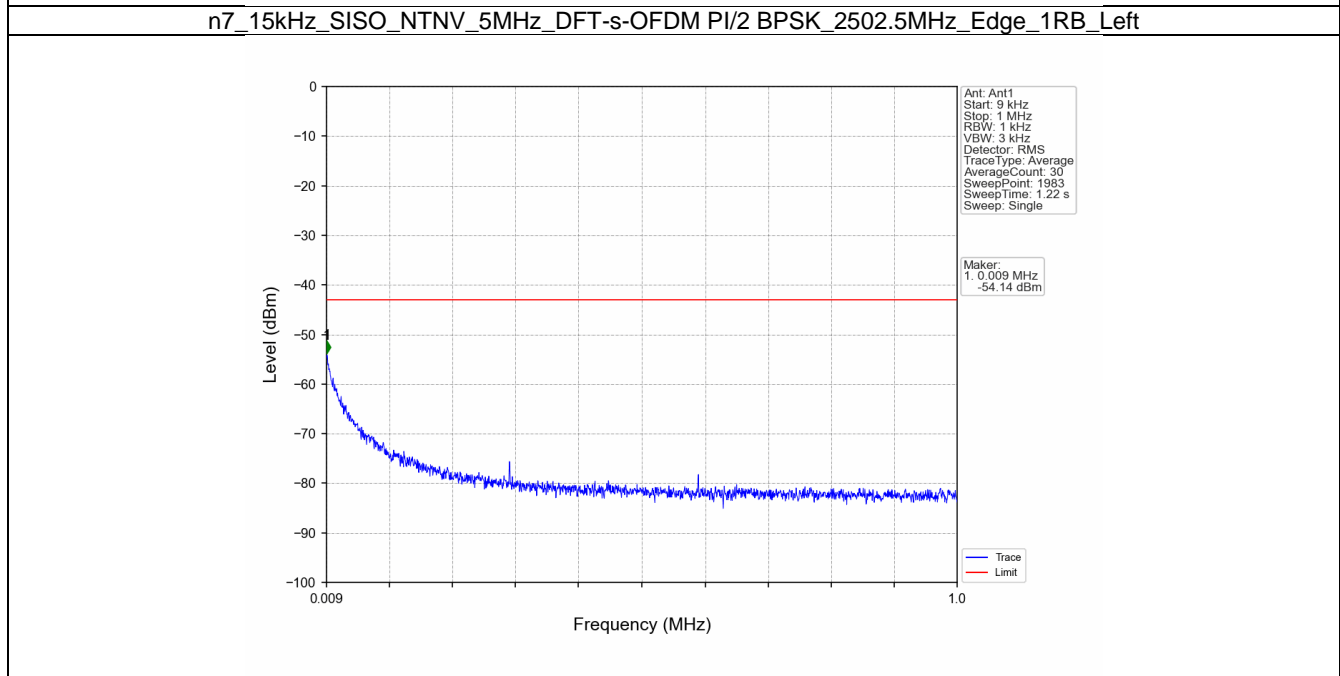
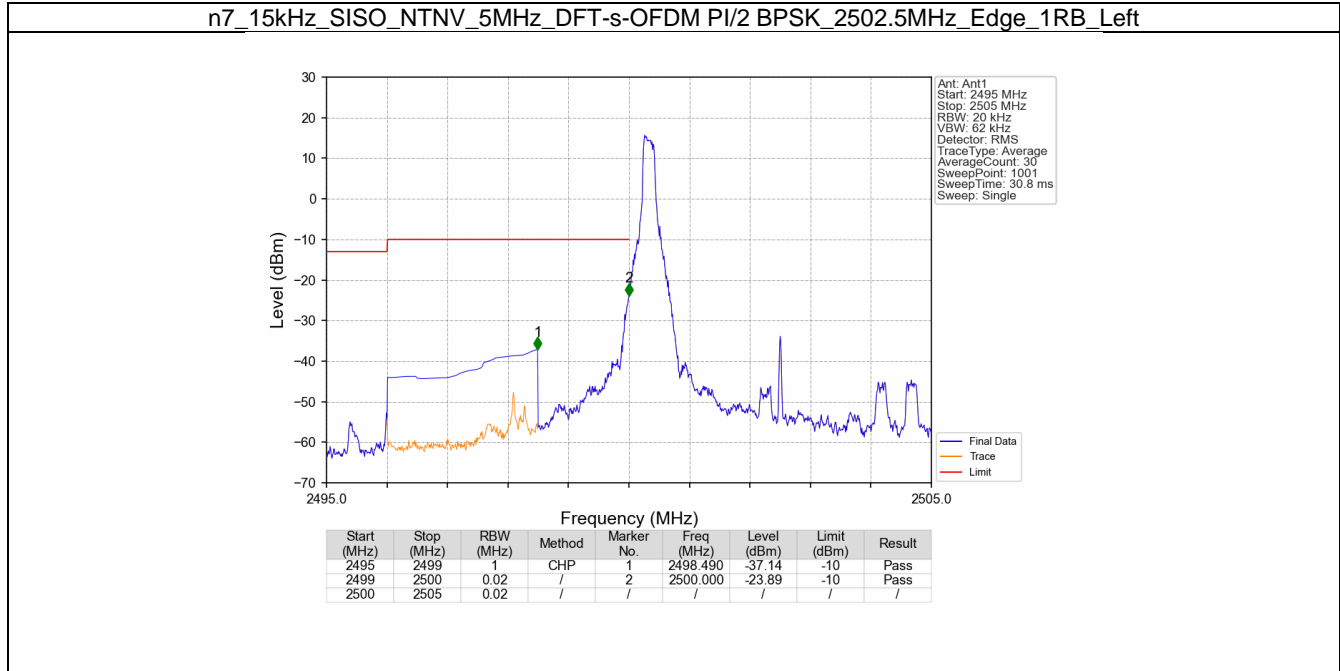


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6.1.2 Test Graph

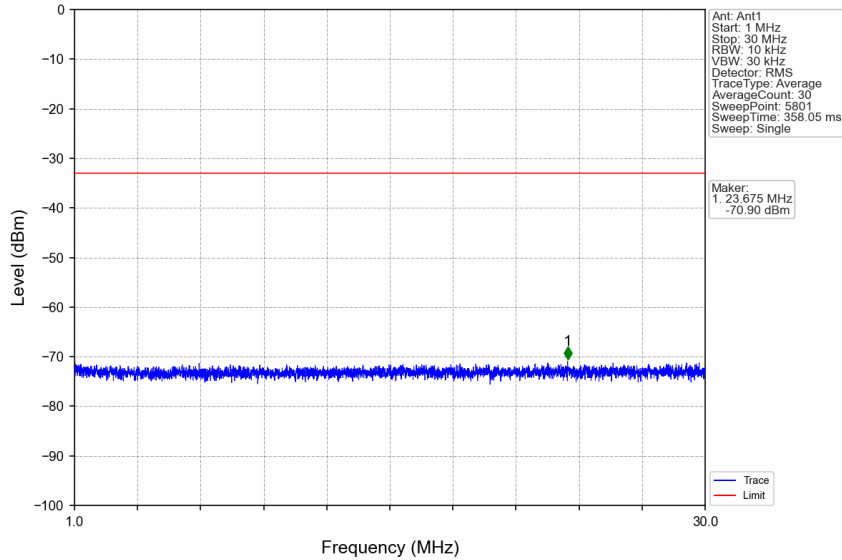


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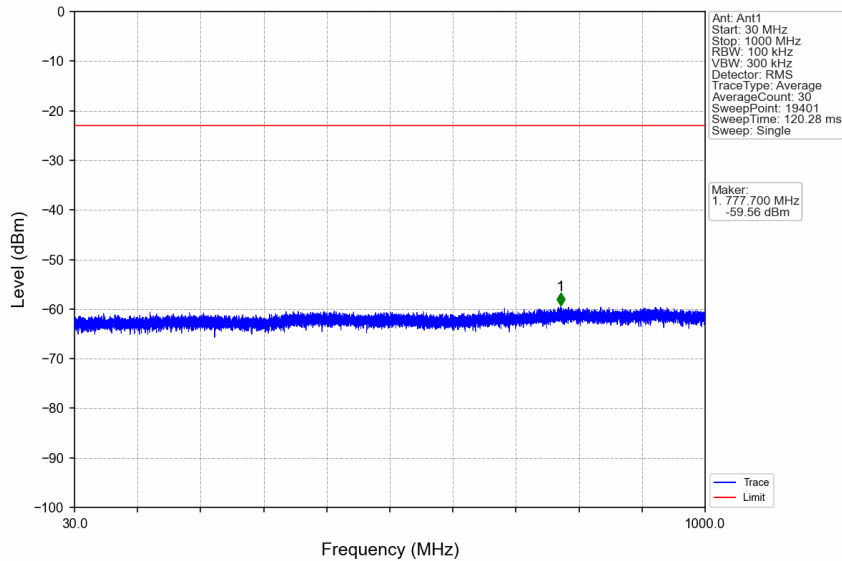
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Edge_1RB_Left

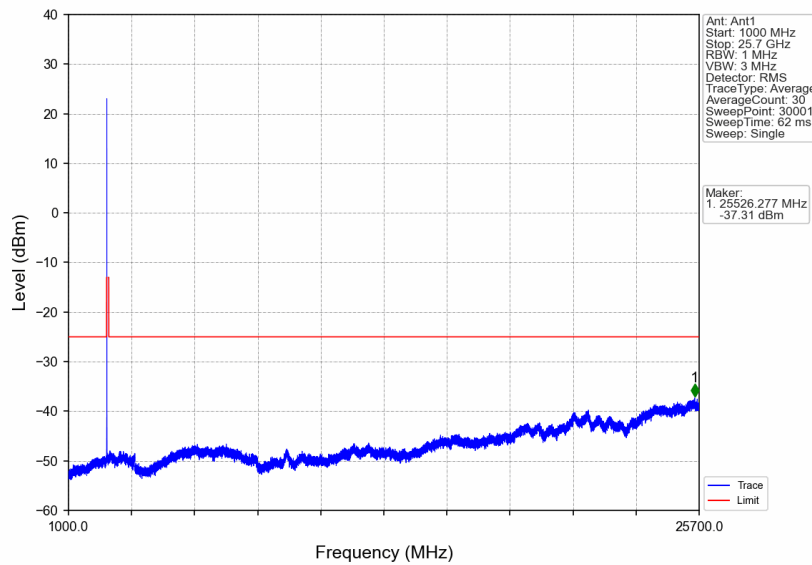


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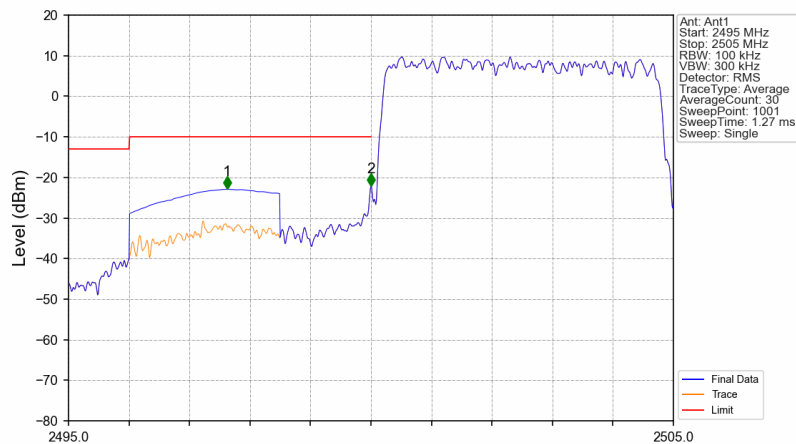
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2497.620	-22.93	-10	Pass
2499	2500	0.1	/	2	2500.000	-22.15	-10	Pass
2500	2505	0.1	/	/	/	/	/	/



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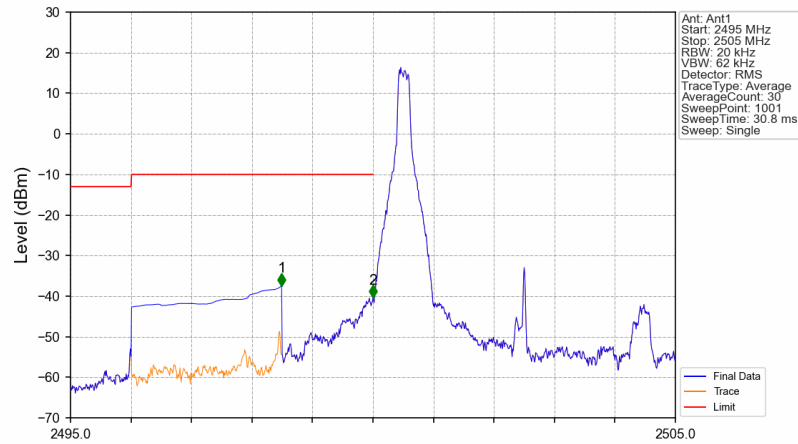
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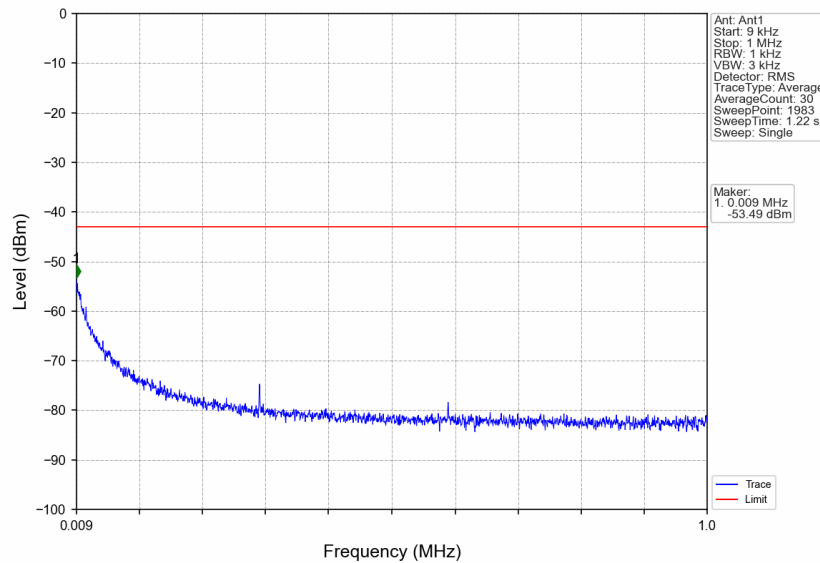
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-37.49	-10	Pass
2499	2500	0.02	/	2	2500.000	-40.39	-10	Pass
2500	2505	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Edge_1RB_Left

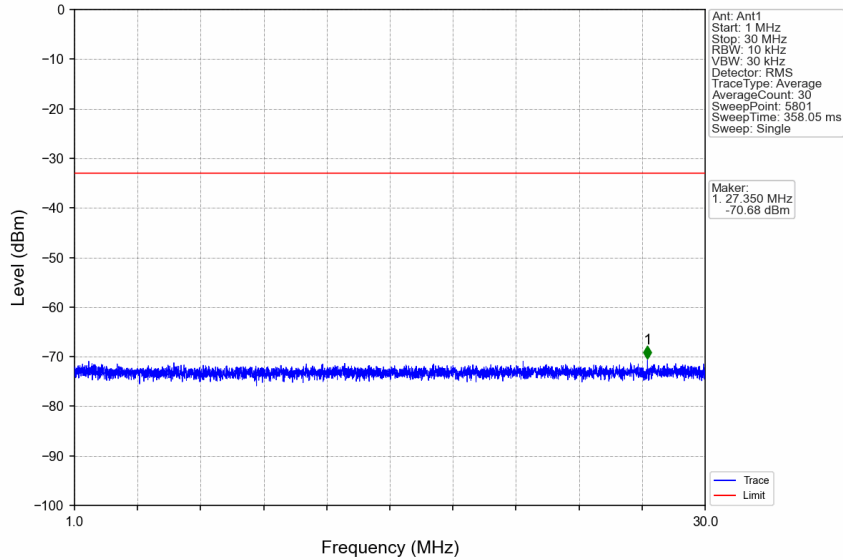


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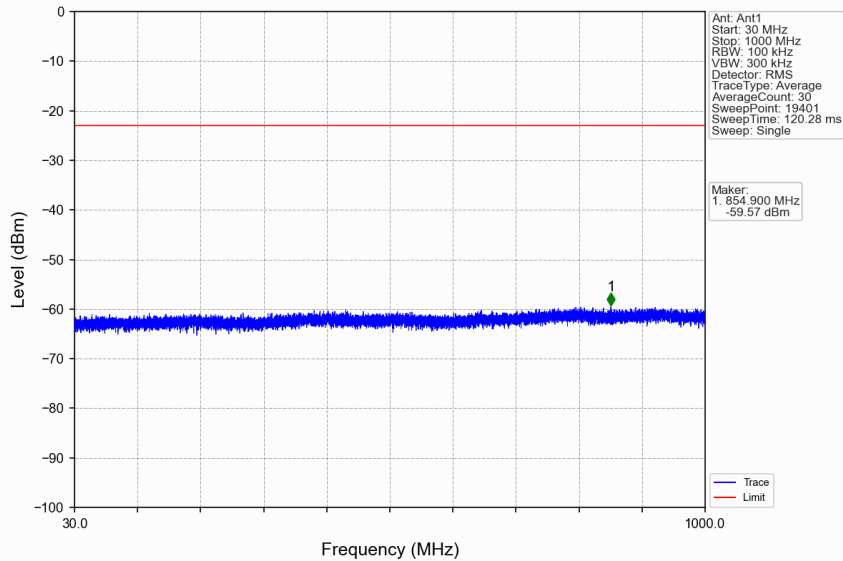
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Edge_1RB_Left



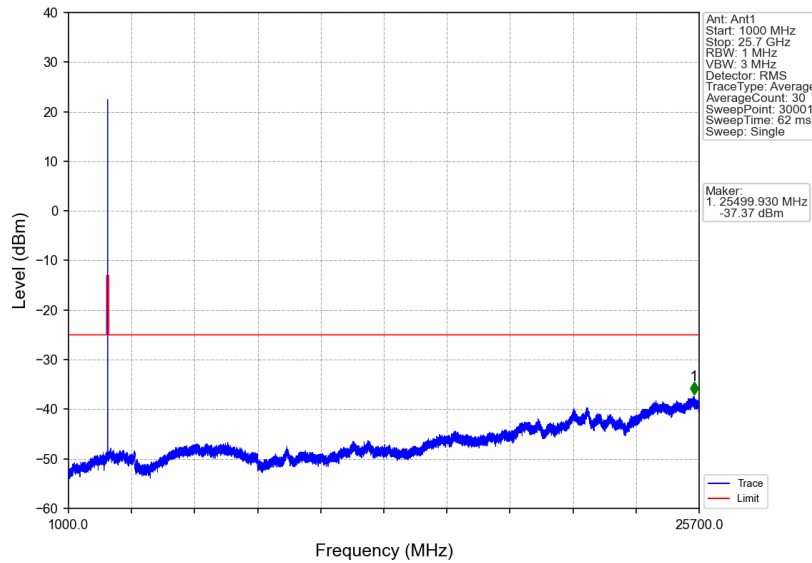
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Edge_1RB_Left



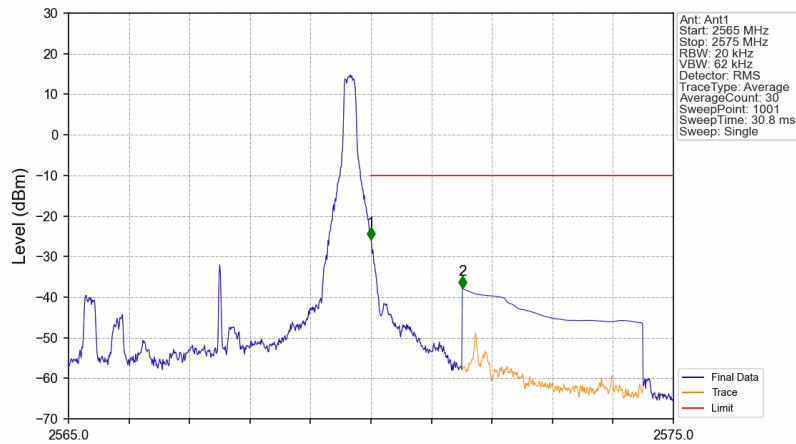
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.000	-25.93	-10	Pass
2571	2575	1	CHP	2	2571.510	-37.94	-10	Pass



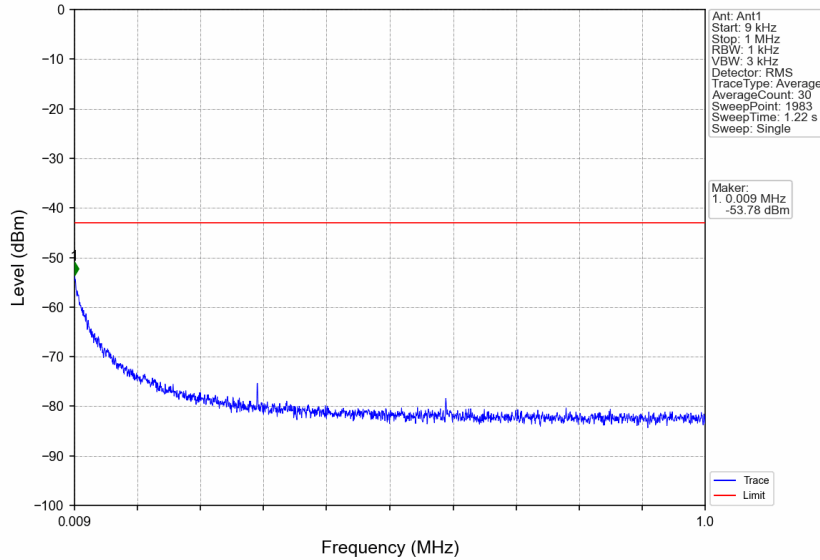
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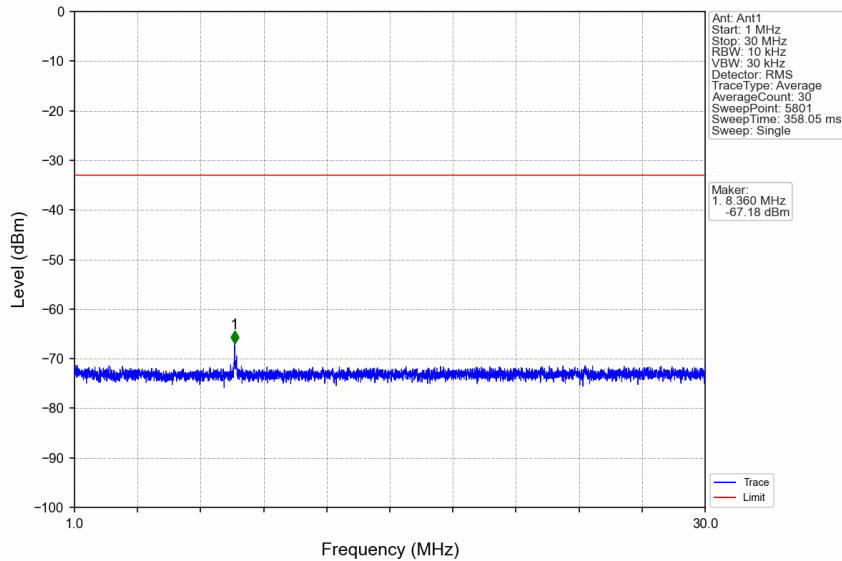
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Edge_1RB_Right

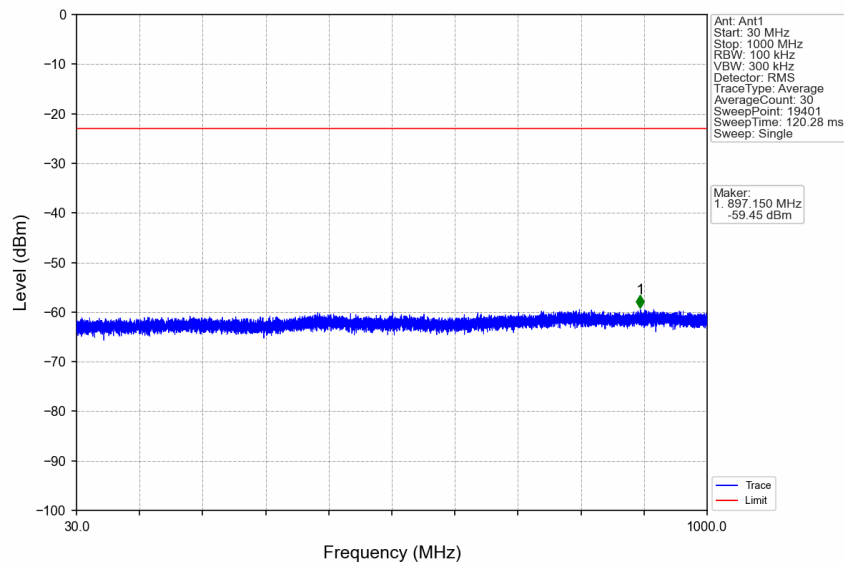


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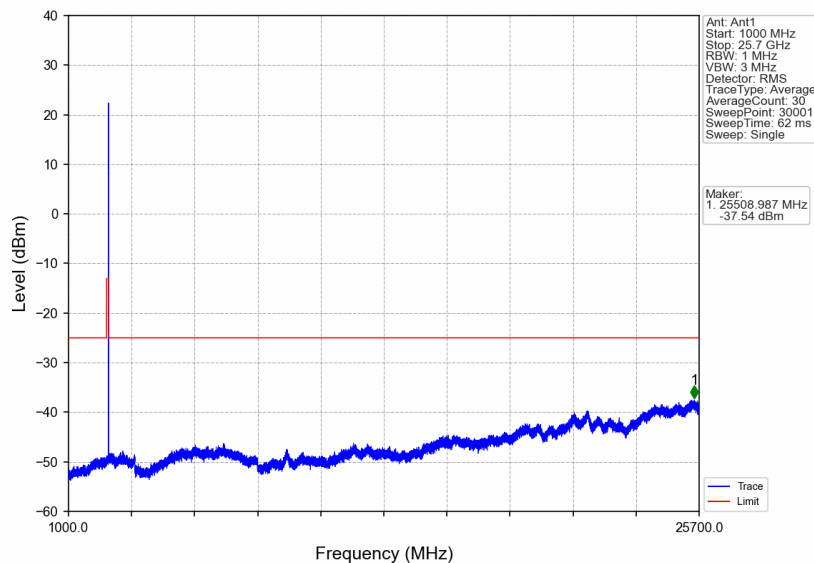
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Edge_1RB_Right



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Edge_1RB_Right

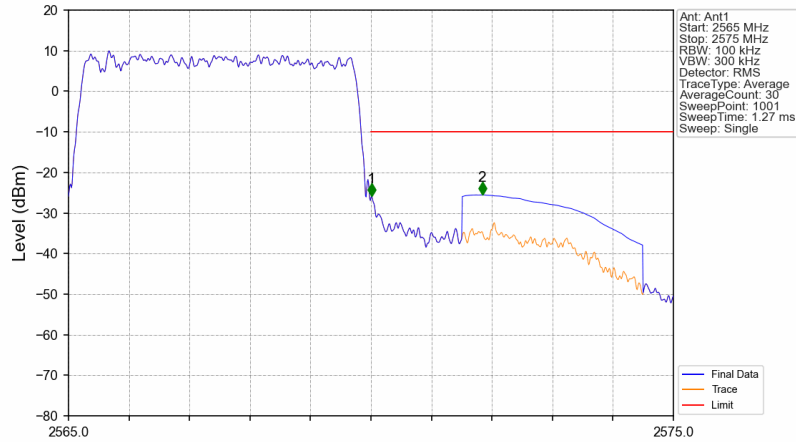


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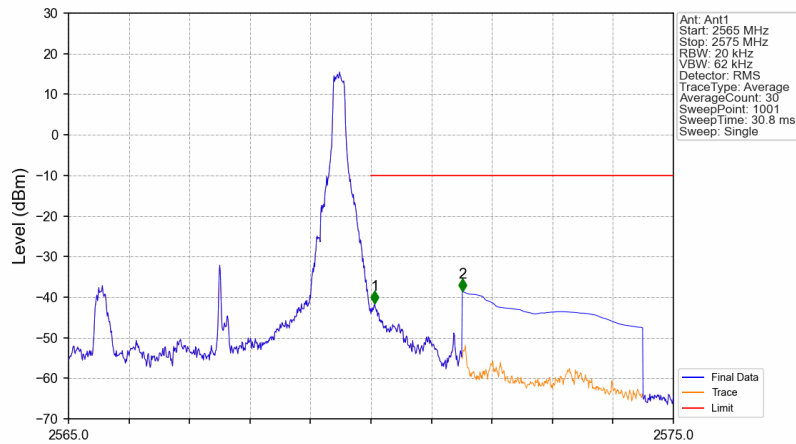
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.010	-25.86	-10	Pass
2571	2575	1	CHP	2	2571.840	-25.56	-10	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.060	-41.63	-10	Pass
2571	2575	1	CHP	2	2571.510	-38.58	-10	Pass



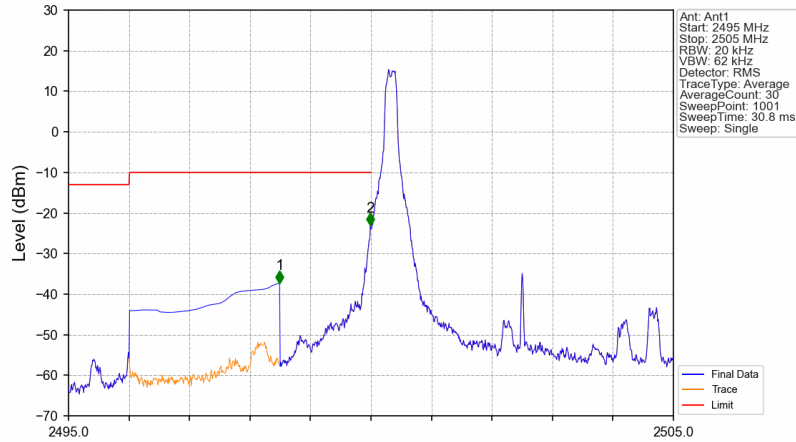
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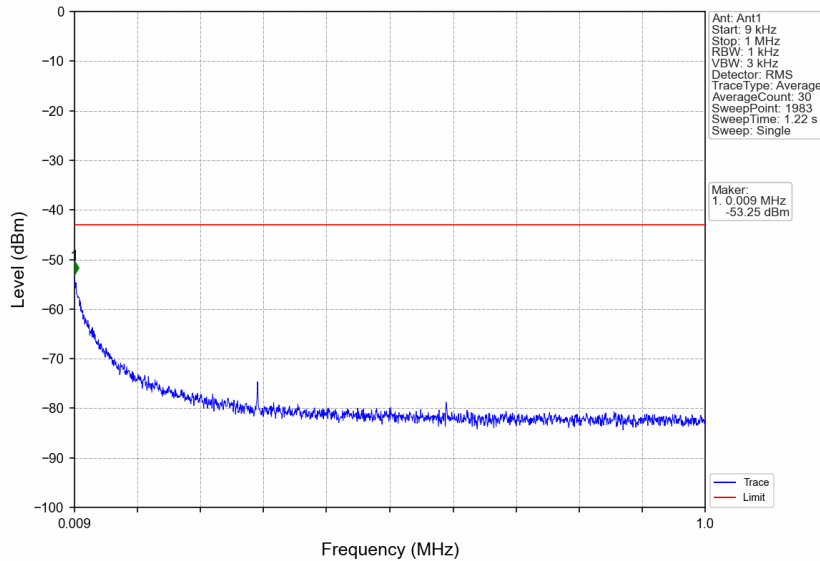
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2502.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-37.28	-10	Pass
2499	2500	0.02	/	2	2499.990	-23.12	-10	Pass
2500	2505	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2502.5MHz_Edge_1RB_Left

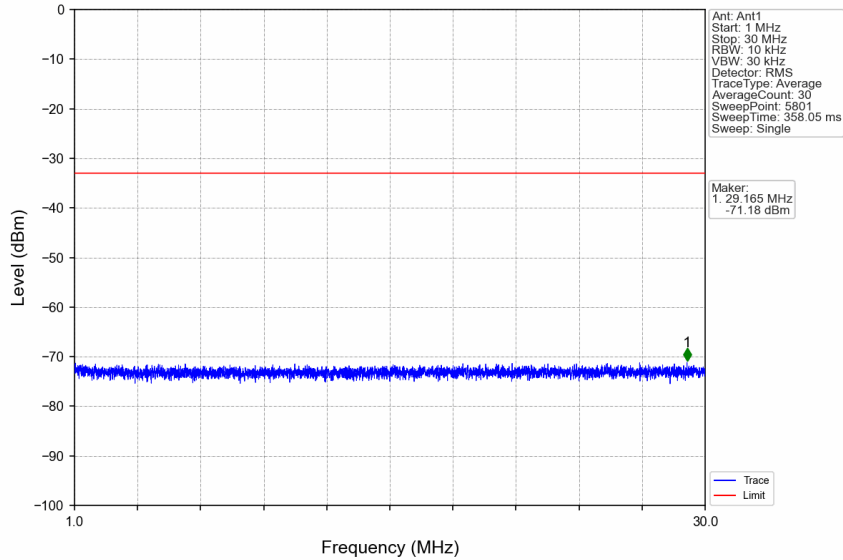


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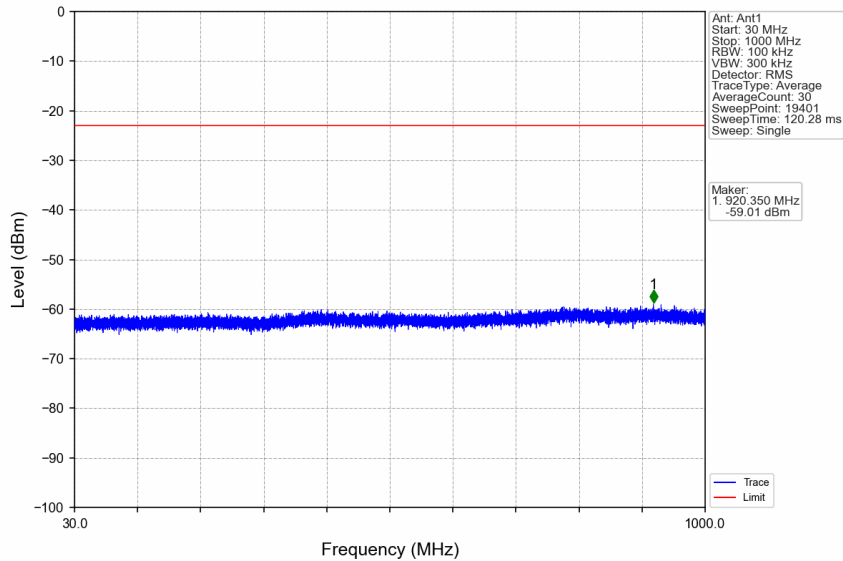
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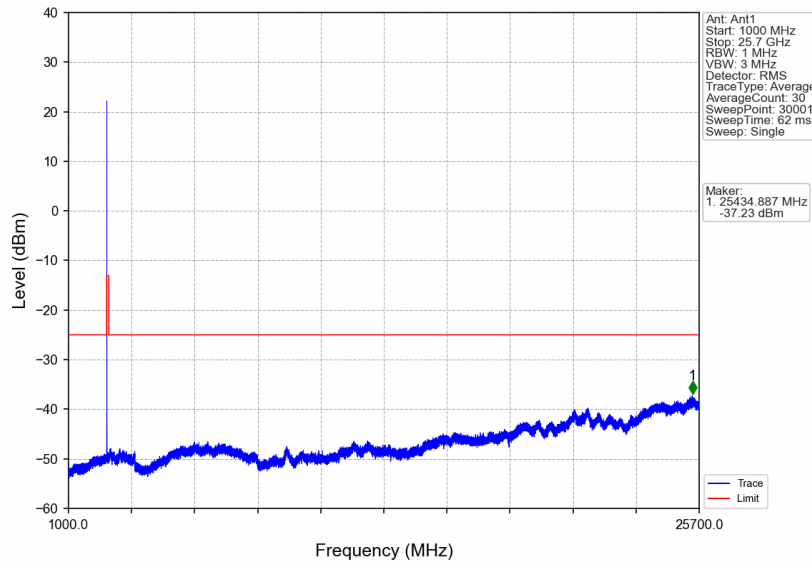


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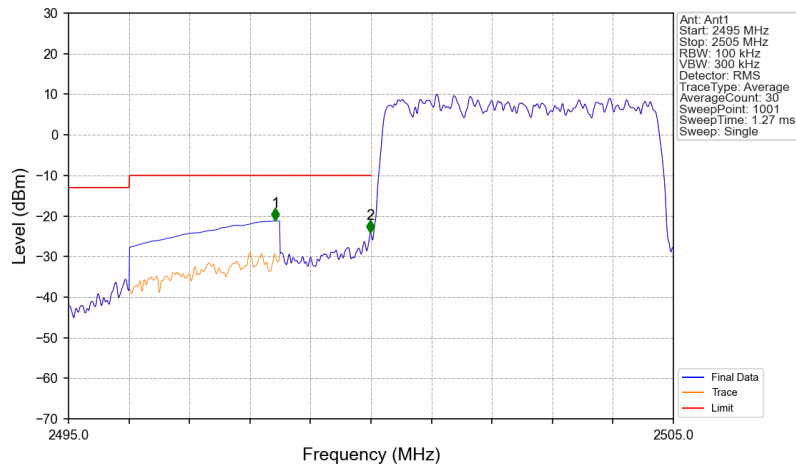
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2502.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.420	-21.21	-10	Pass
2499	2500	0.1	/	2	2499.990	-24.12	-10	Pass
2500	2505	0.1	/	/	/	/	/	/



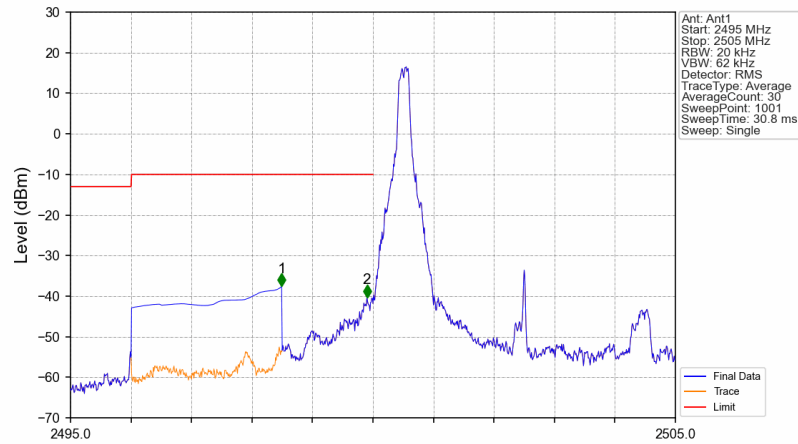
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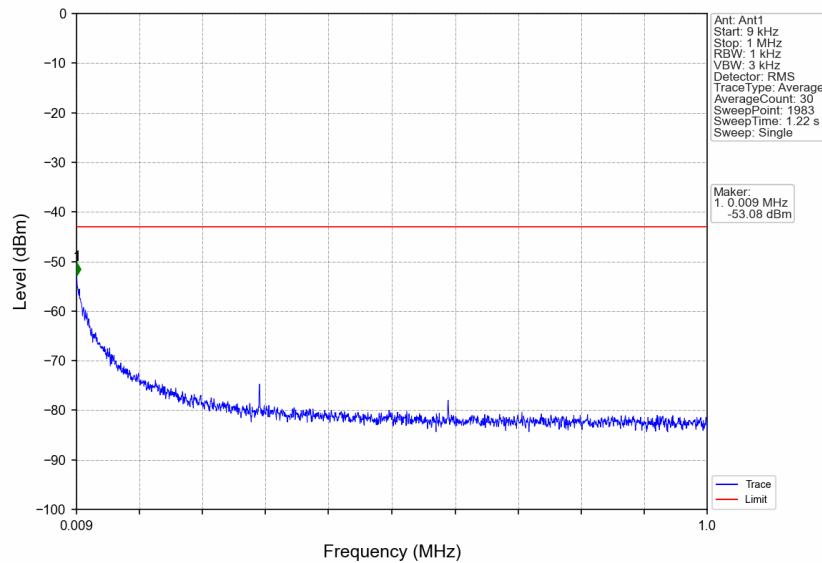
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-37.62	-10	Pass
2499	2500	0.02	/	2	2499.900	-40.30	-10	Pass
2500	2505	0.02	/	/	/	/	/	/

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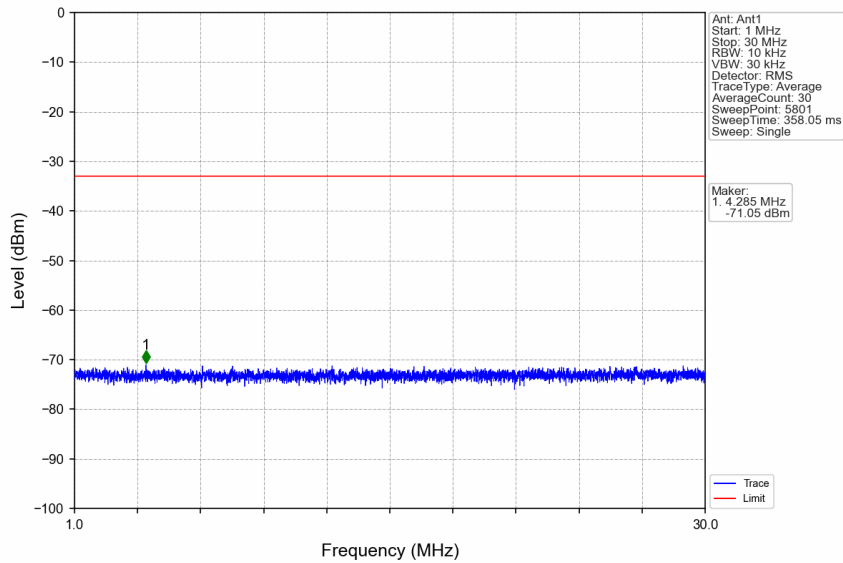
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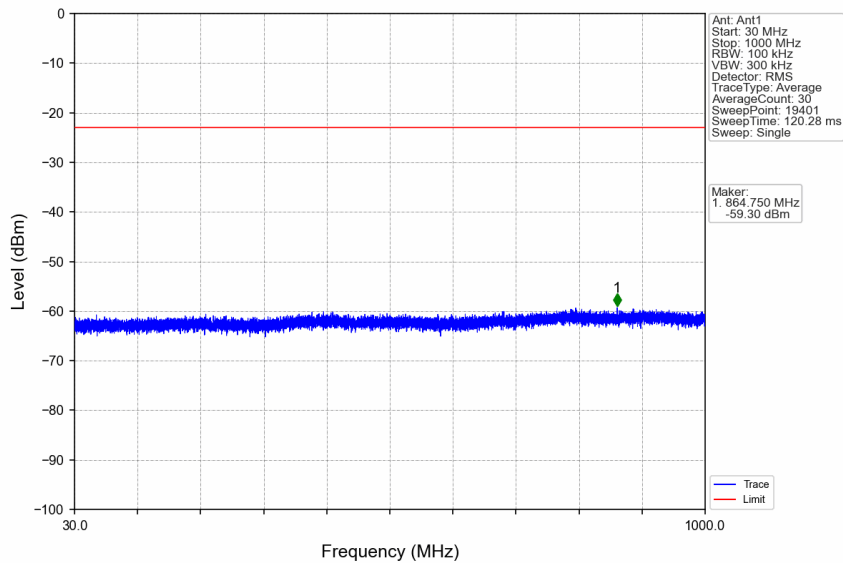
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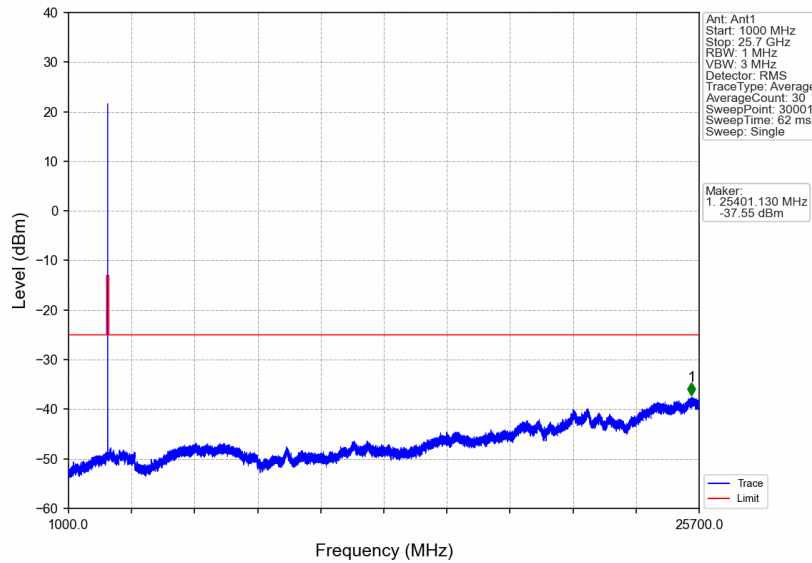


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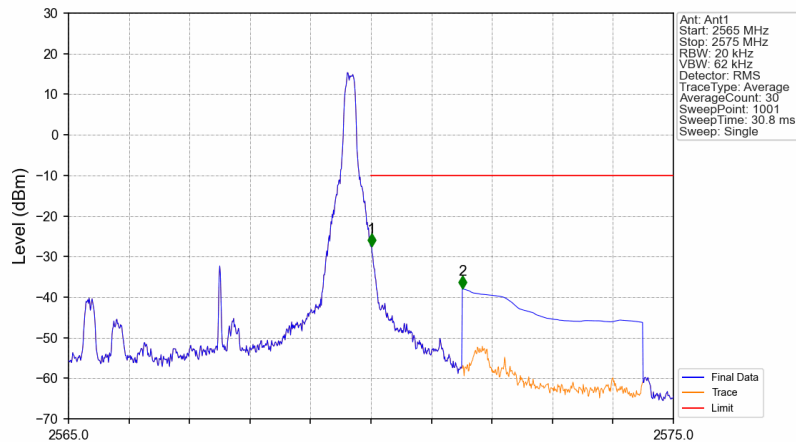
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2535MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2567.5MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.010	-27.45	-10	Pass
2571	2575	1	CHP	2	2571.510	-37.93	-10	Pass

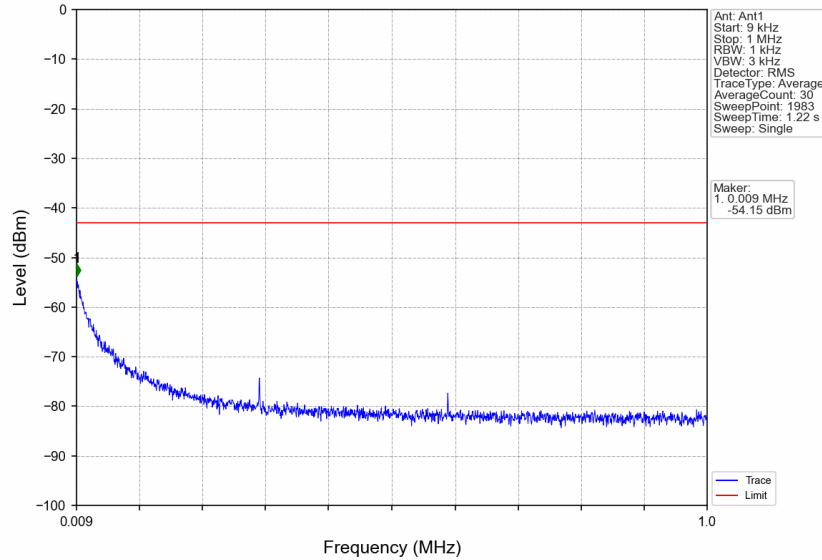


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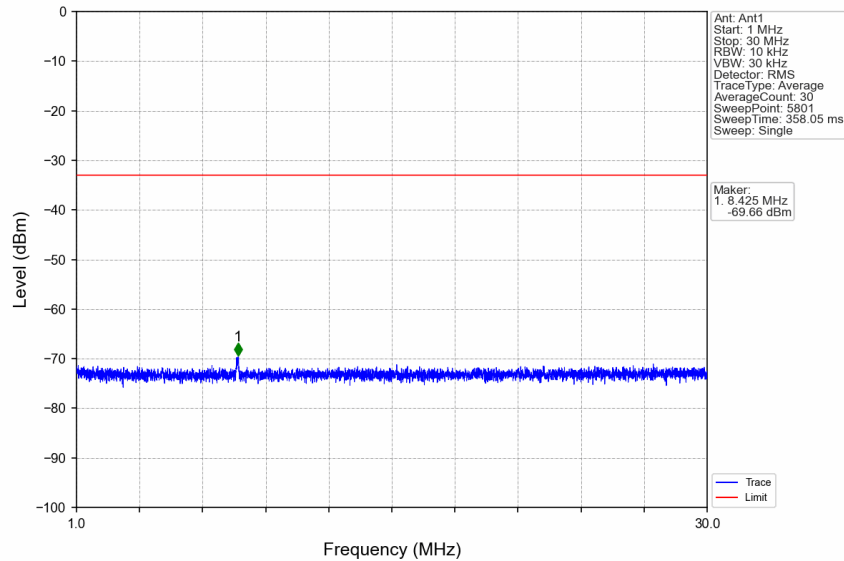
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2567.5MHz_Edge_1RB_Right



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2567.5MHz_Edge_1RB_Right

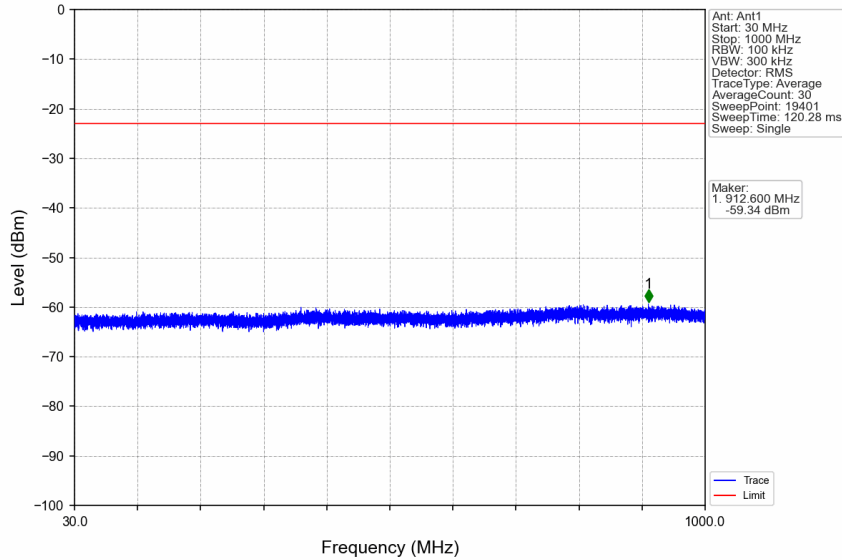


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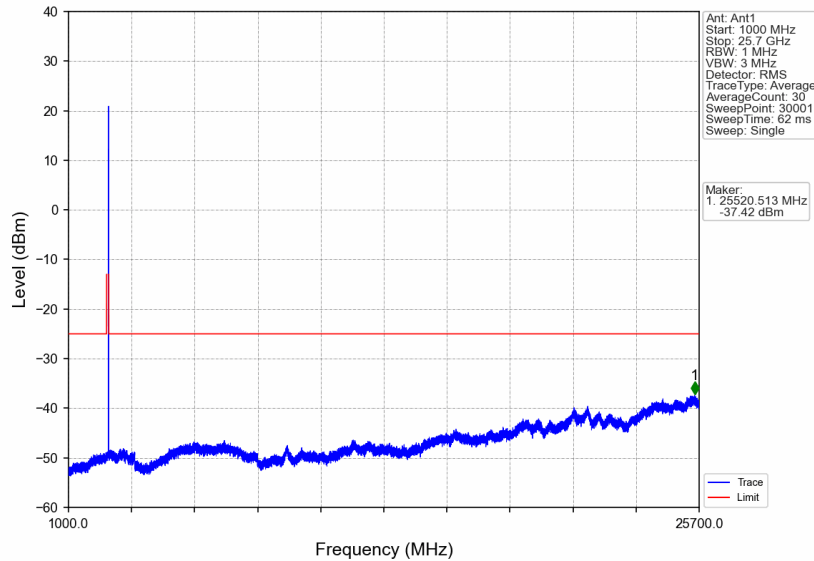
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2567.5MHz_Edge_1RB_Right



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2567.5MHz_Edge_1RB_Right

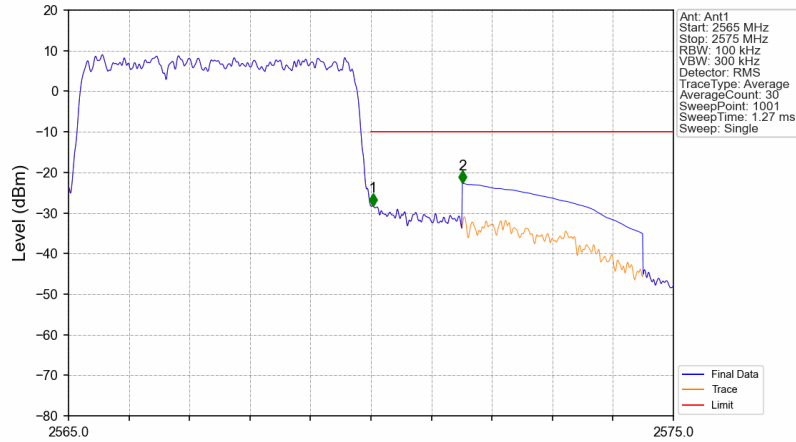


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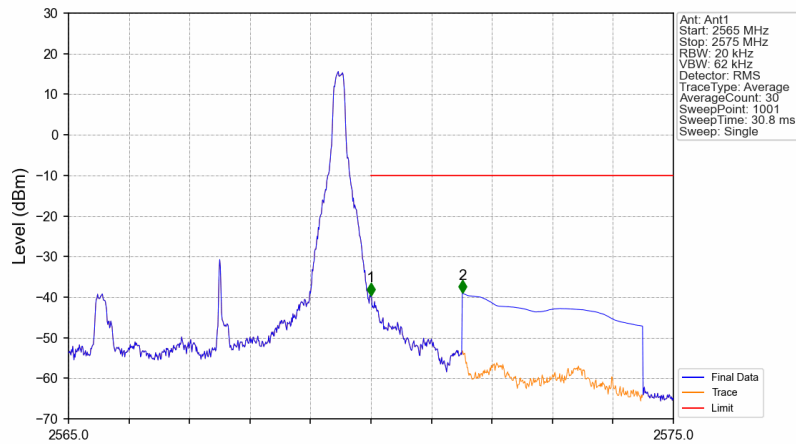
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2567.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.030	-28.26	-10	Pass
2571	2575	1	CHP	2	2571.510	-22.73	-10	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2567.5MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.000	-39.58	-10	Pass
2571	2575	1	CHP	2	2571.510	-39.02	-10	Pass



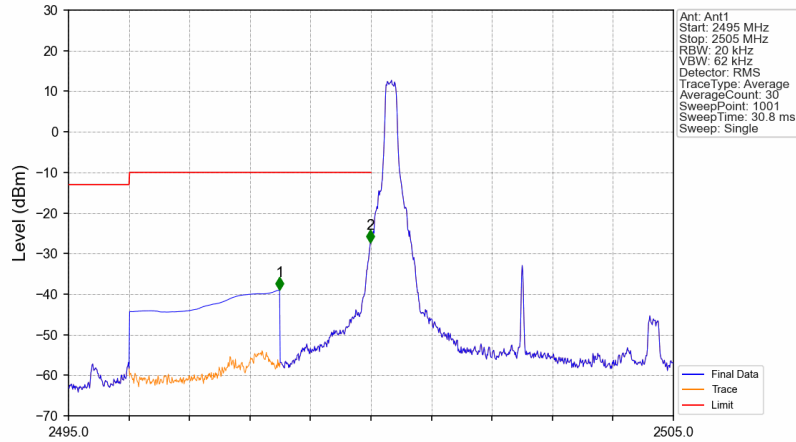
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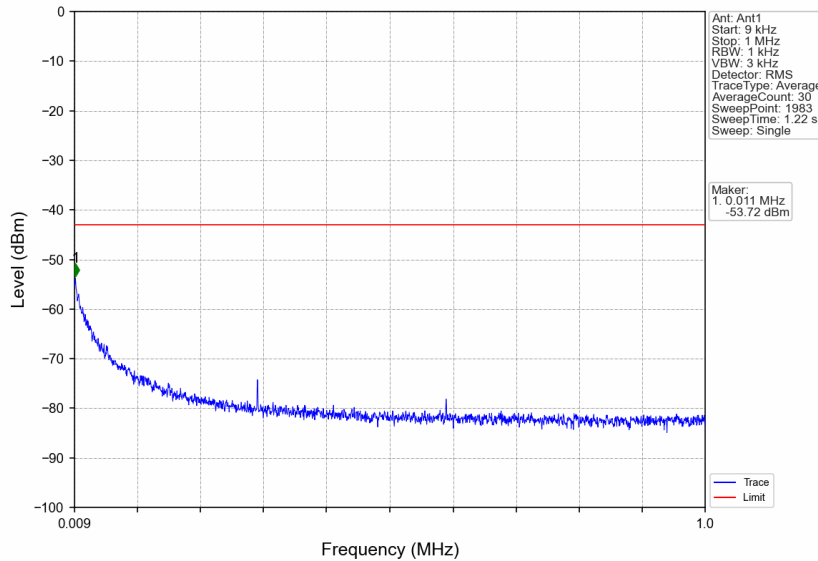
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n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2502.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-38.98	-10	Pass
2499	2500	0.02	/	2	2499.990	-27.37	-10	Pass
2500	2505	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2502.5MHz_Edge_1RB_Left

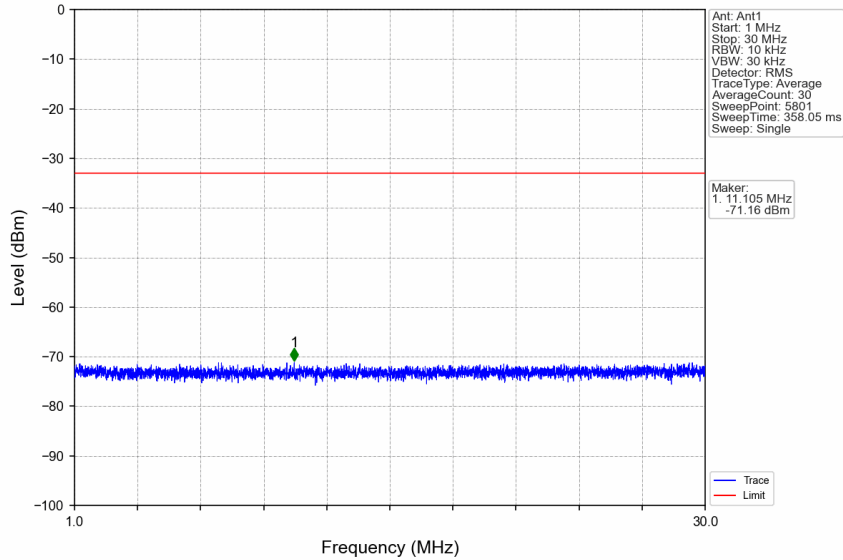


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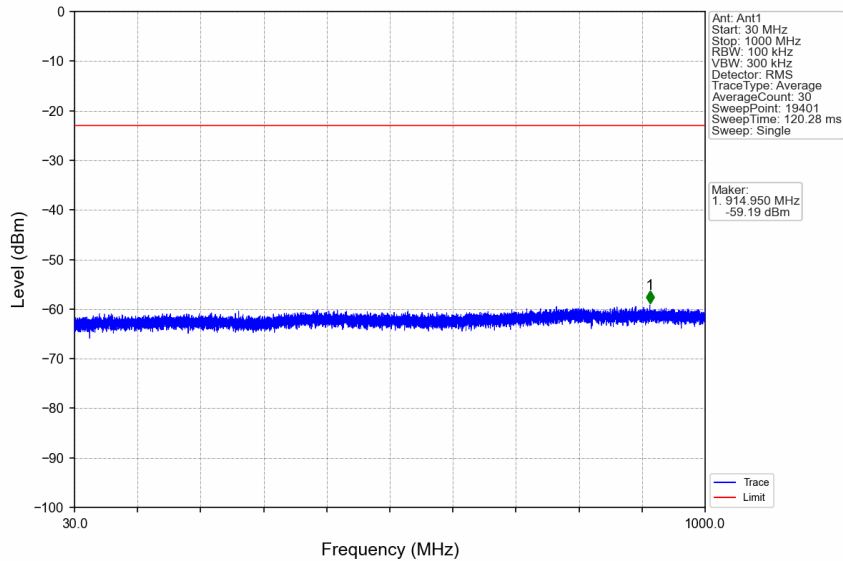
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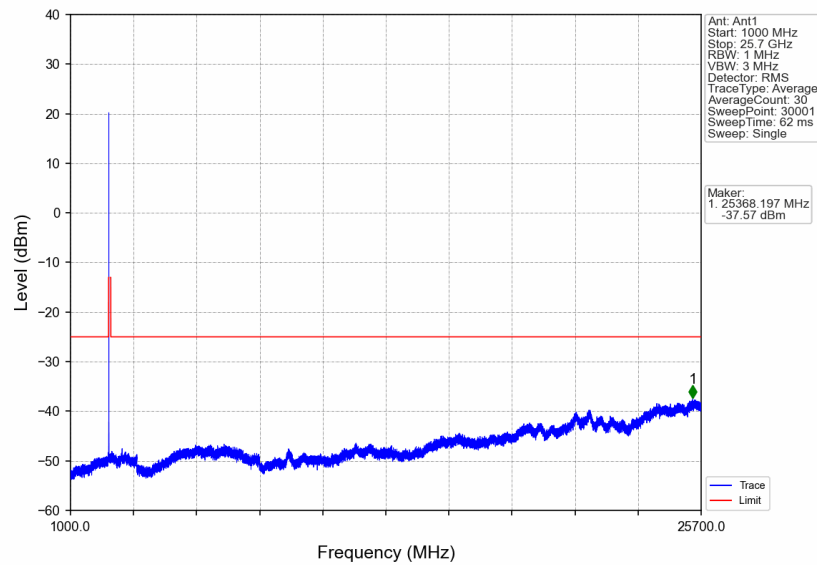
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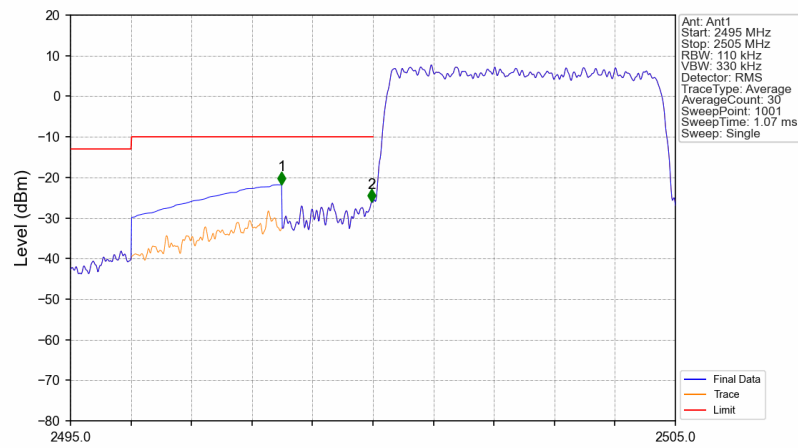
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n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2502.5MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2502.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-21.73	-10	Pass
2499	2500	0.11	/	2	2499.980	-26.08	-10	Pass
2500	2505	0.11	/	/	/	/	/	/



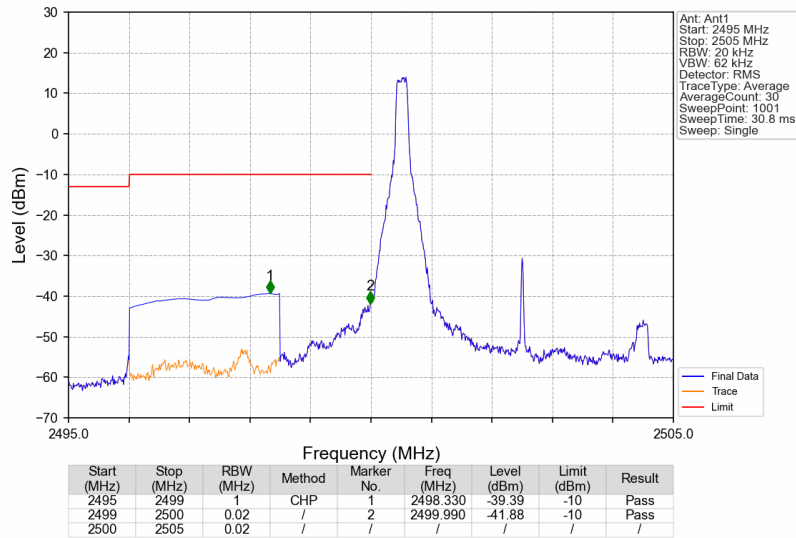
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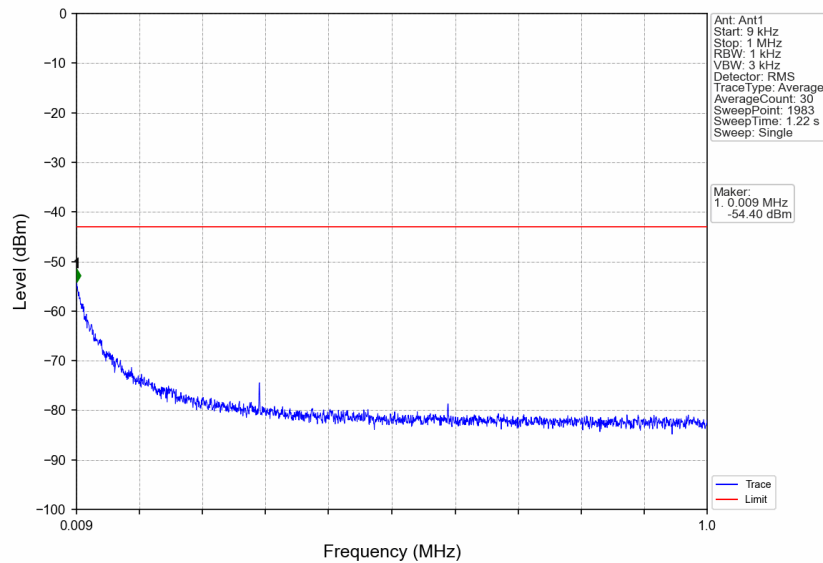
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n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2502.5MHz_Inner_1RB_Left



n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2535MHz_Edge_1RB_Left

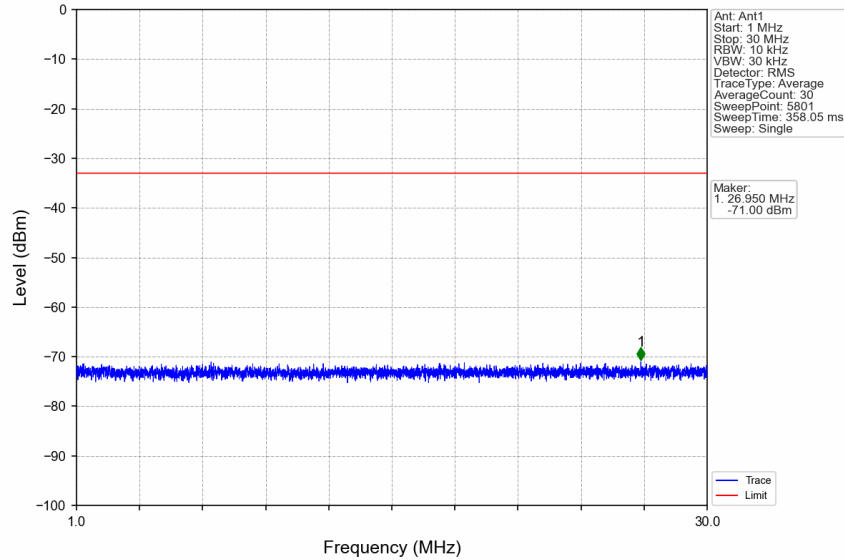


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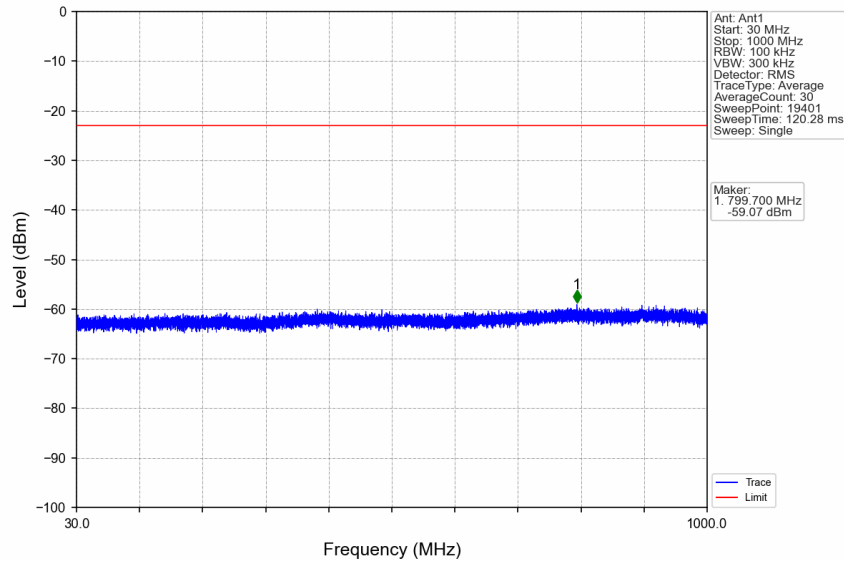
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n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2535MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2535MHz_Edge_1RB_Left



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