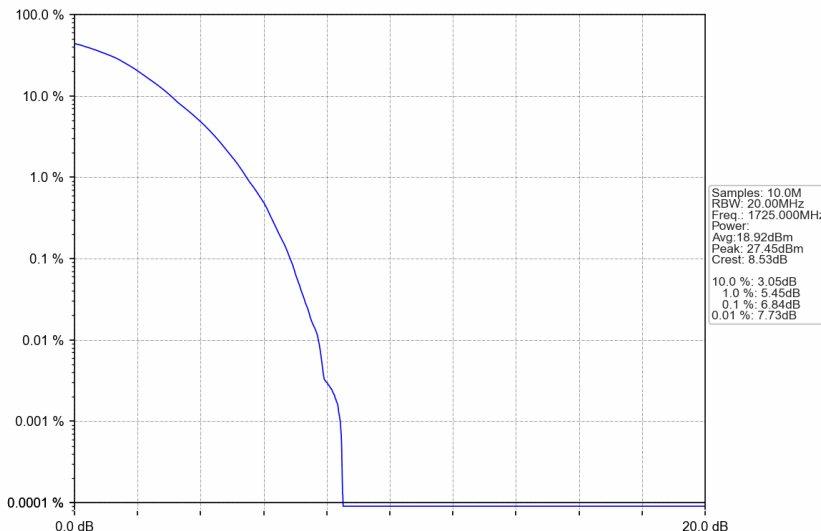
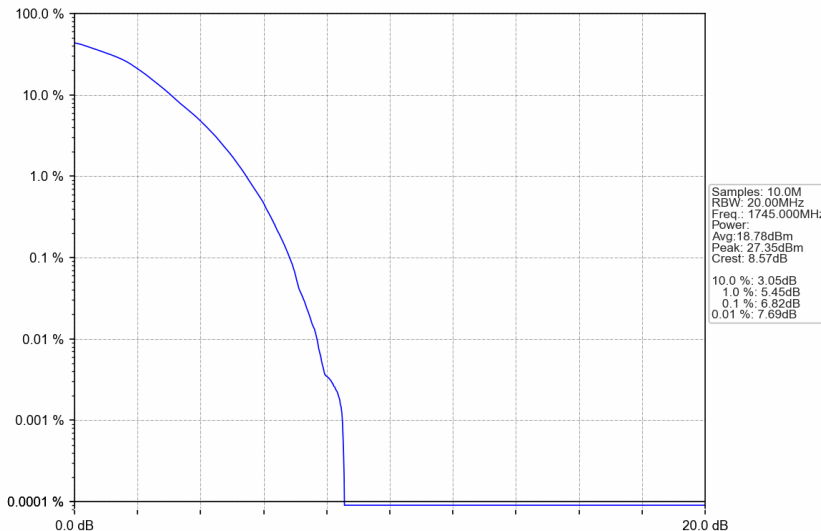


n66_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_1725MHz_Outer_Full



n66_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_1745MHz_Outer_Full

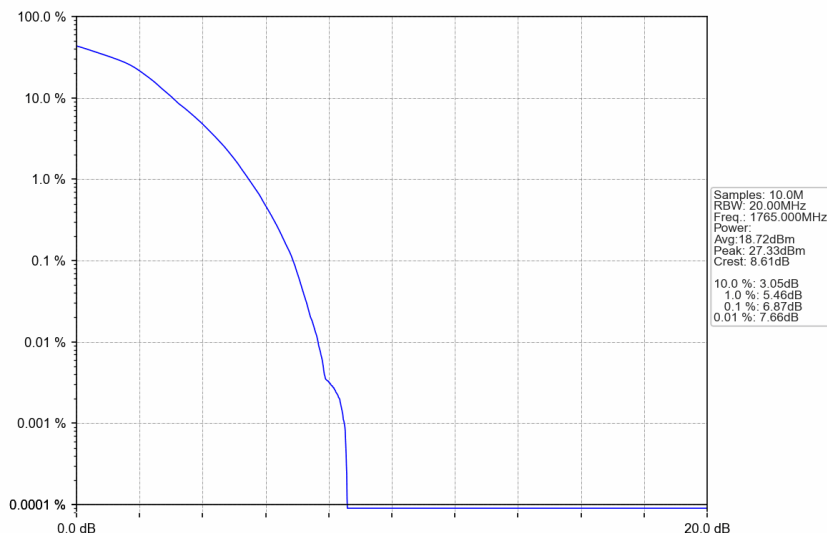


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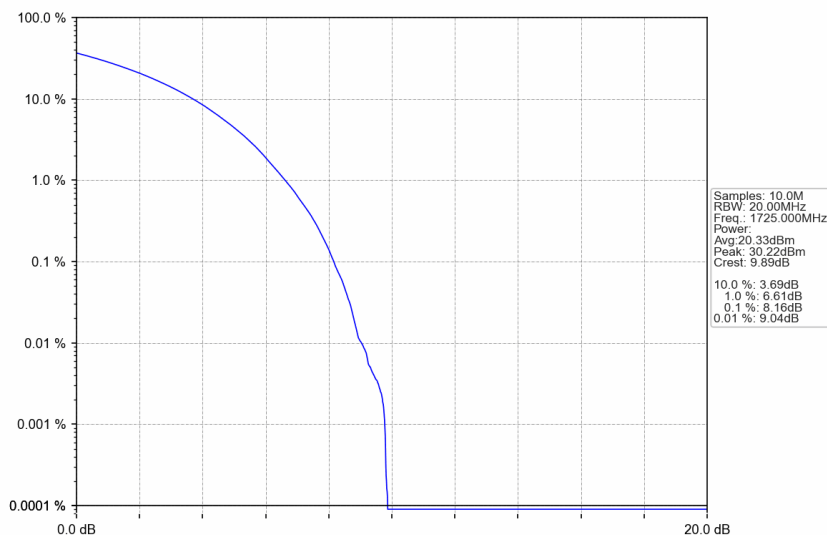
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n66_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_1765MHz_Outer_Full



n66_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_1725MHz_Outer_Full



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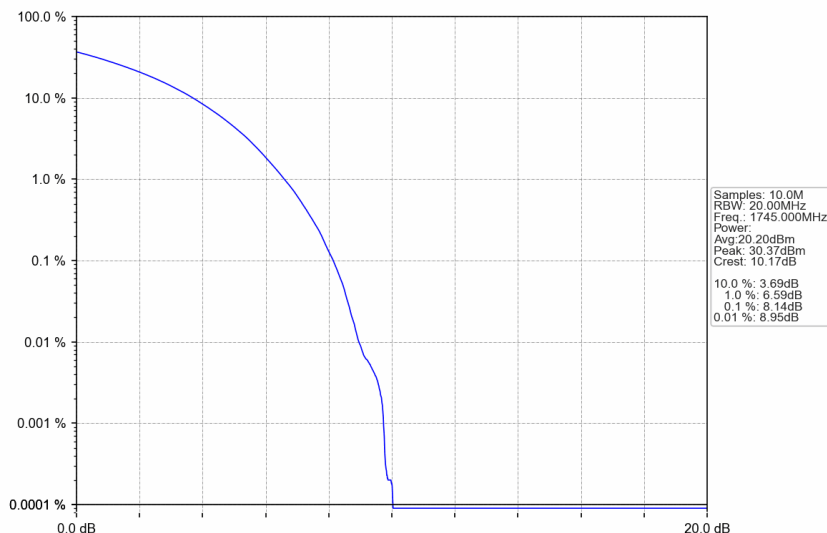


Report No.: SEWM2311000456RG02

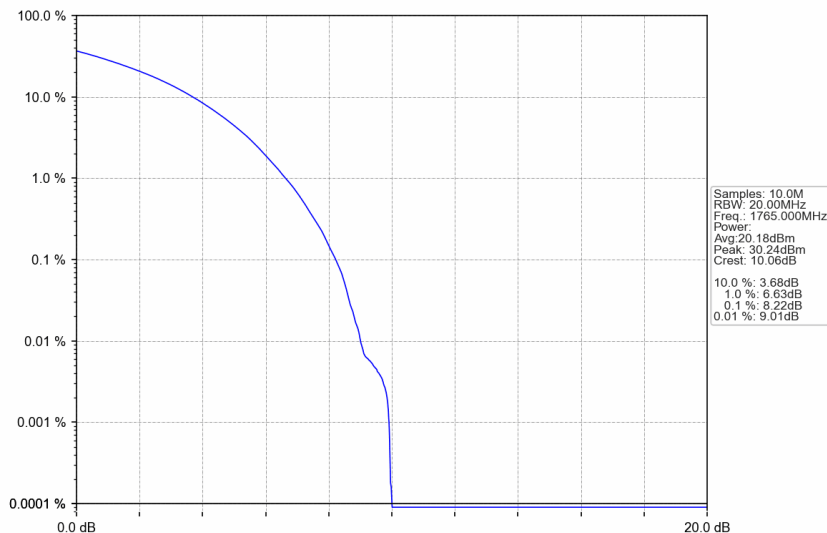
Rev.: 01

Page: 527 of 982

n66_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_1745MHz_Outer_Full



n66_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_1765MHz_Outer_Full



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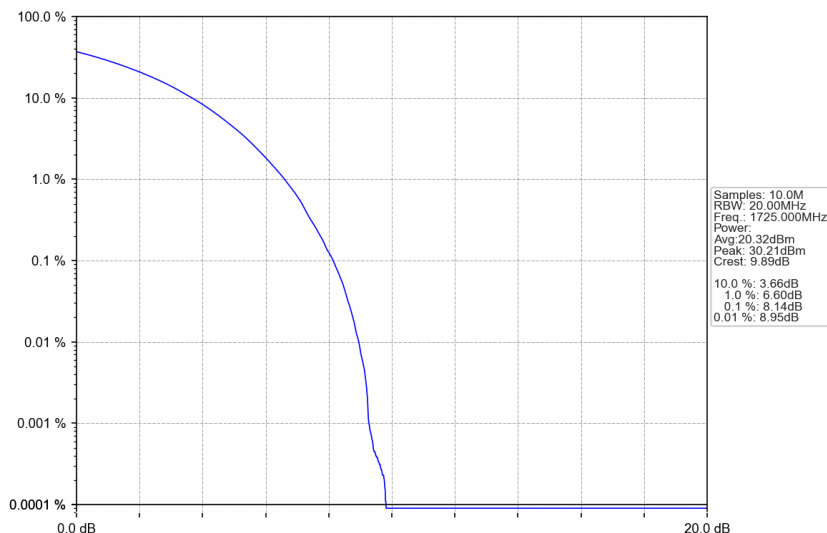
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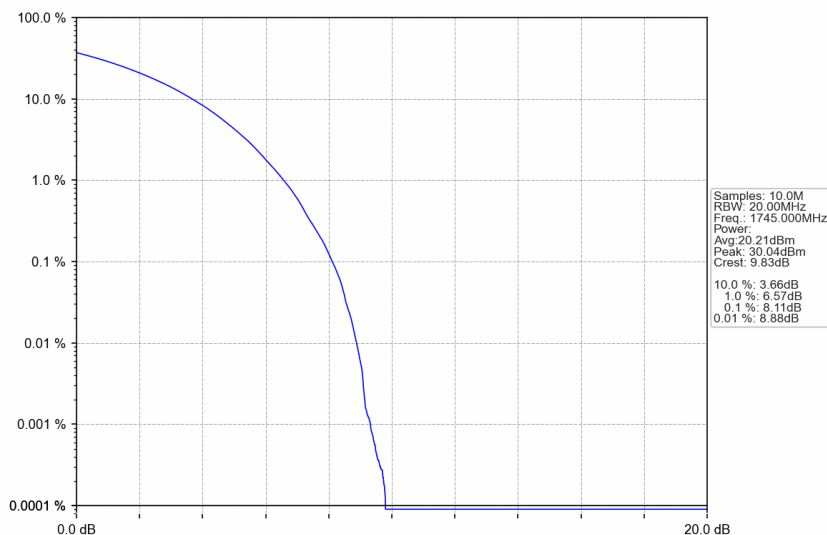
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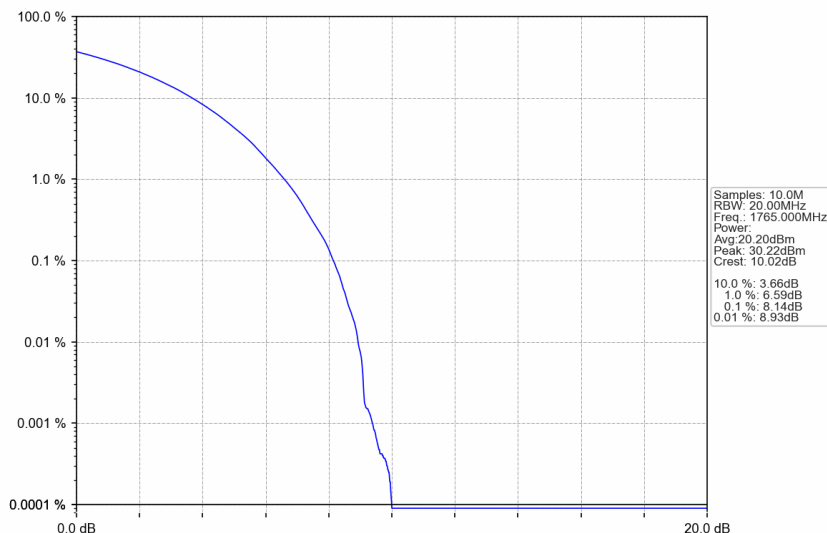


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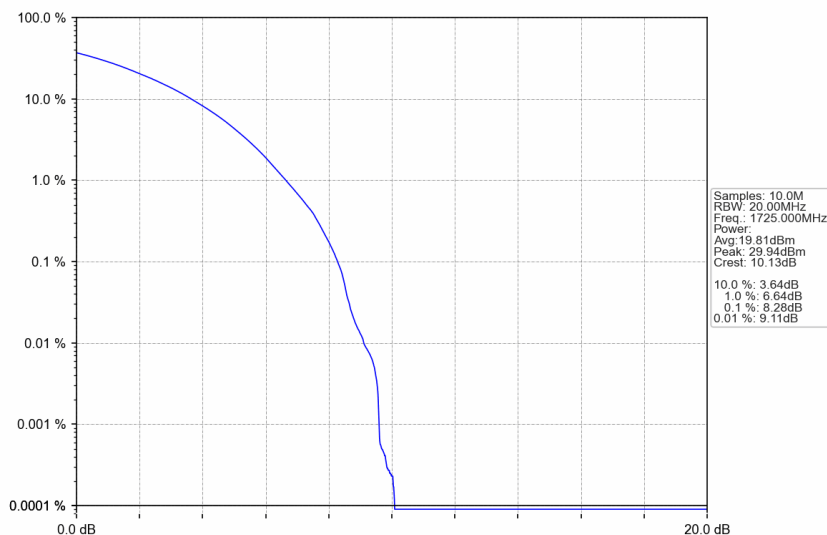
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n66_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_1765MHz_Outer_Full



n66_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_1725MHz_Outer_Full



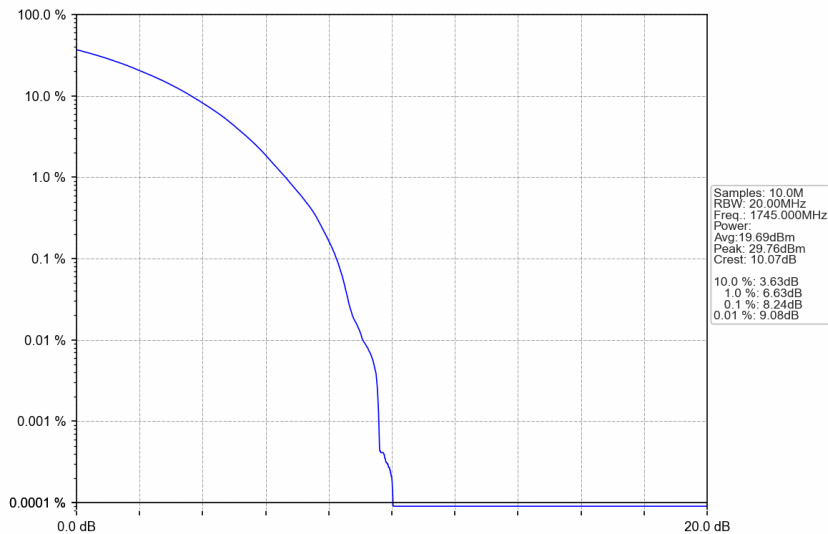
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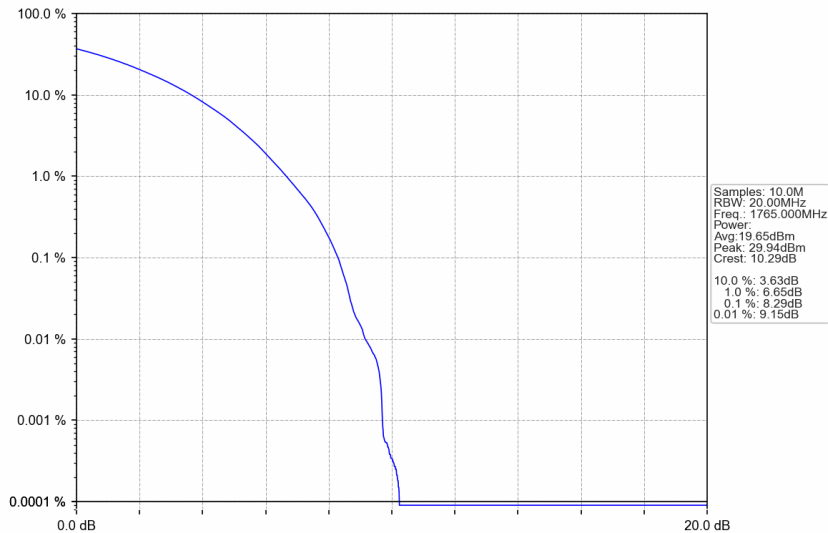
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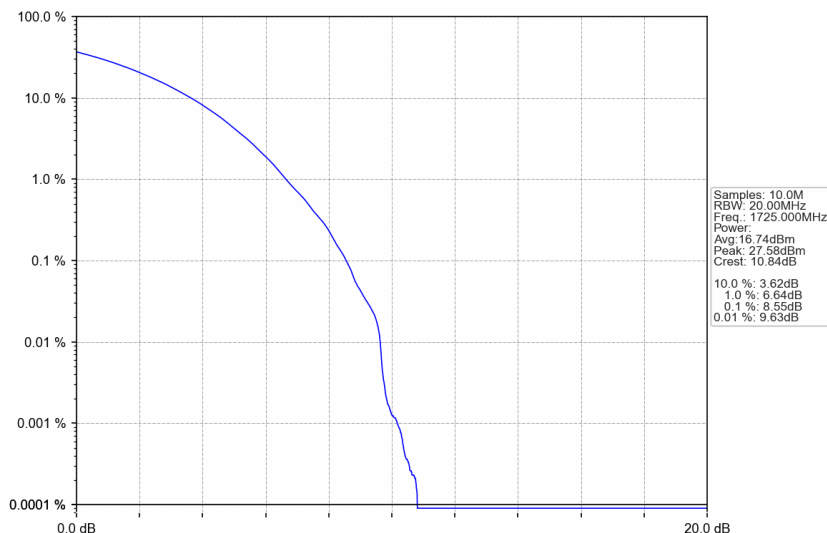


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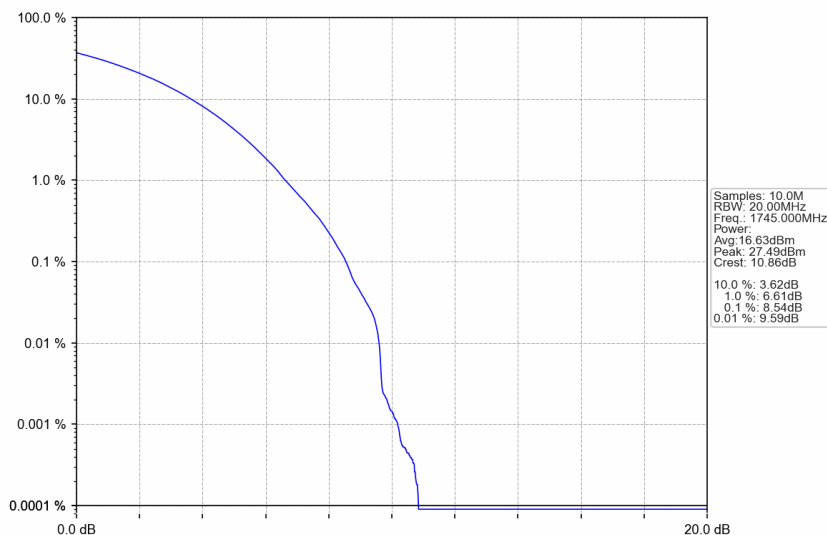
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n66_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_1725MHz_Outer_Full



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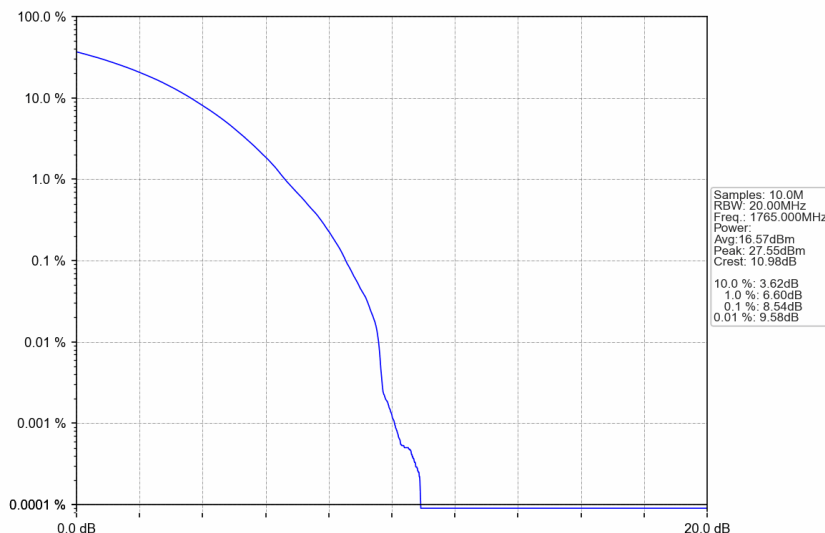
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5.14 30k_SISO_35MHz_NTNV

5.14.1 Test Result

5G NR n66 SCS=30kHz SISO 35MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1727.5	Outer_Full	4.61	/	/	<=13	Pass
	1745	Outer_Full	4.74	/	/	<=13	Pass
	1762.5	Outer_Full	4.79	/	/	<=13	Pass
DFT-s-OFDM QPSK	1727.5	Outer_Full	5.07	/	/	<=13	Pass
	1745	Outer_Full	5.04	/	/	<=13	Pass
	1762.5	Outer_Full	5.16	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1727.5	Outer_Full	6.42	/	/	<=13	Pass
	1745	Outer_Full	6.40	/	/	<=13	Pass
	1762.5	Outer_Full	6.46	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1727.5	Outer_Full	6.66	/	/	<=13	Pass
	1745	Outer_Full	6.60	/	/	<=13	Pass
	1762.5	Outer_Full	6.64	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1727.5	Outer_Full	6.77	/	/	<=13	Pass
	1745	Outer_Full	6.76	/	/	<=13	Pass
	1762.5	Outer_Full	6.82	/	/	<=13	Pass
CP-OFDM QPSK	1727.5	Outer_Full	8.21	/	/	<=13	Pass
	1745	Outer_Full	8.16	/	/	<=13	Pass
	1762.5	Outer_Full	8.21	/	/	<=13	Pass
CP-OFDM 16 QAM	1727.5	Outer_Full	8.23	/	/	<=13	Pass
	1745	Outer_Full	8.20	/	/	<=13	Pass
	1762.5	Outer_Full	8.27	/	/	<=13	Pass
CP-OFDM 64 QAM	1727.5	Outer_Full	8.30	/	/	<=13	Pass
	1745	Outer_Full	8.25	/	/	<=13	Pass
	1762.5	Outer_Full	8.30	/	/	<=13	Pass
CP-OFDM 256 QAM	1727.5	Outer_Full	8.63	/	/	<=13	Pass
	1745	Outer_Full	8.59	/	/	<=13	Pass
	1762.5	Outer_Full	8.60	/	/	<=13	Pass

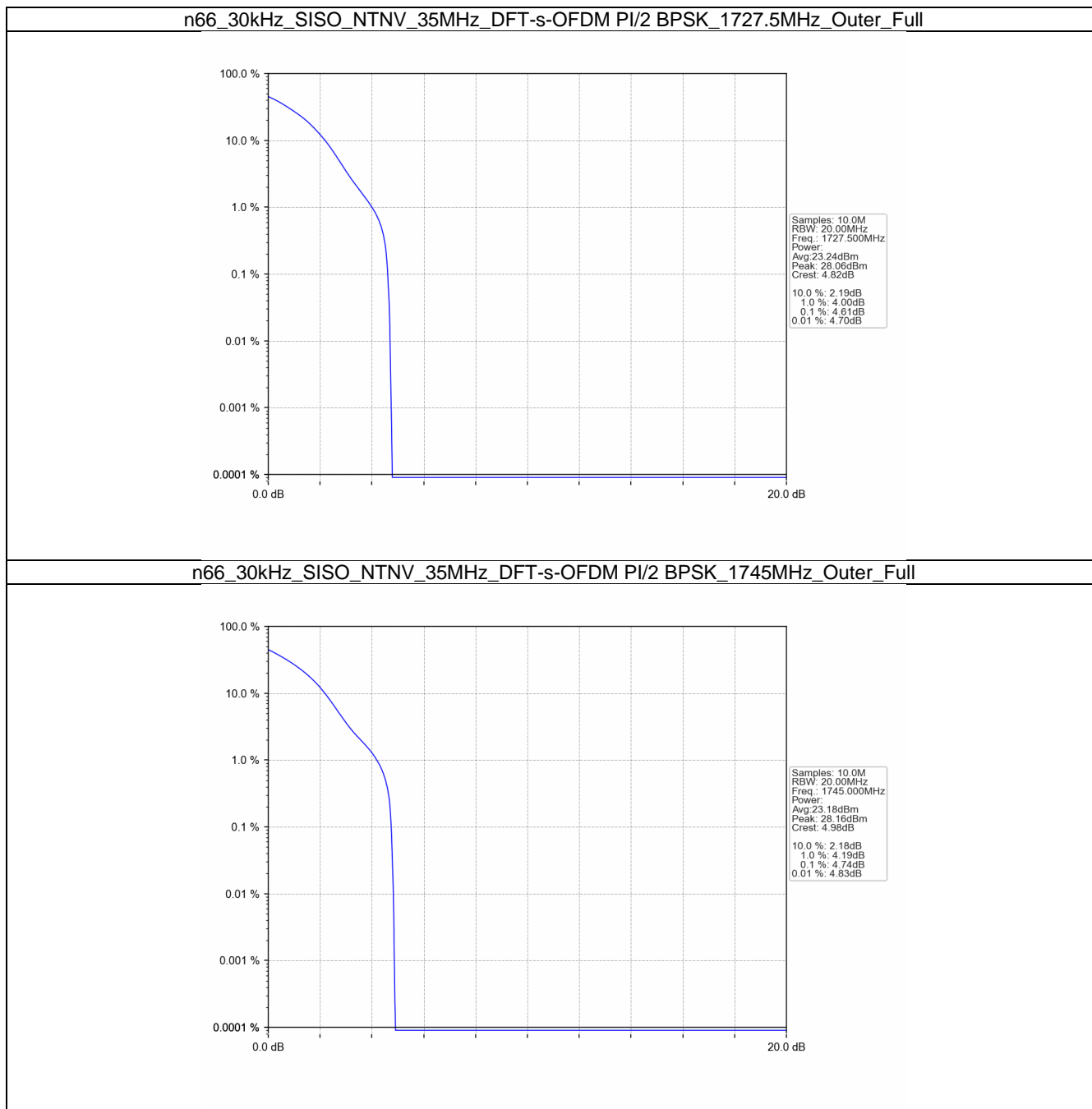


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5.14.2 Test Graph

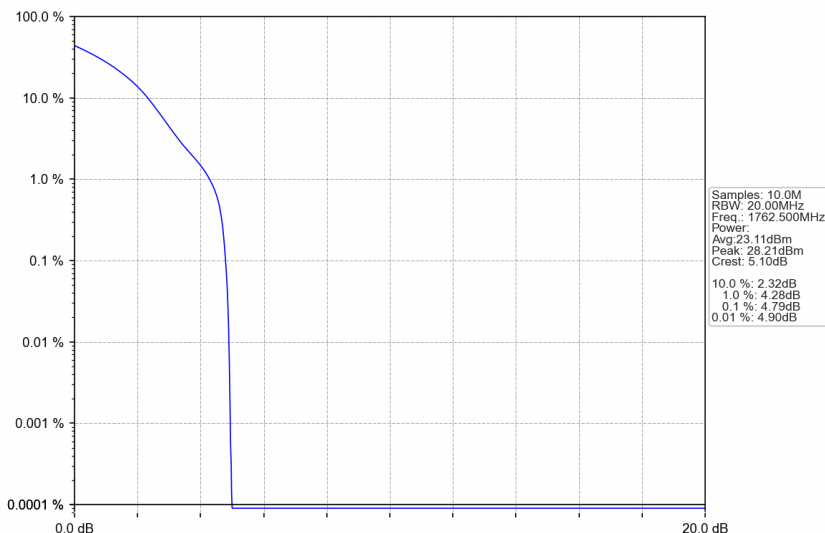


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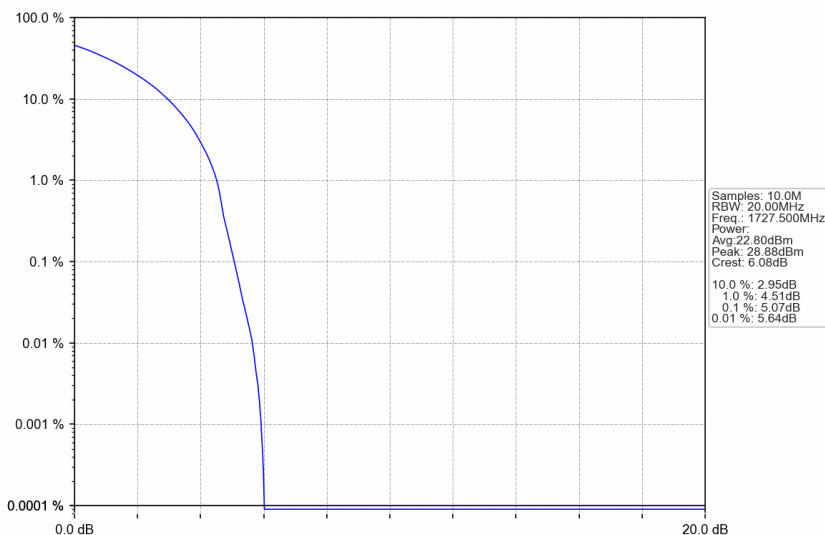
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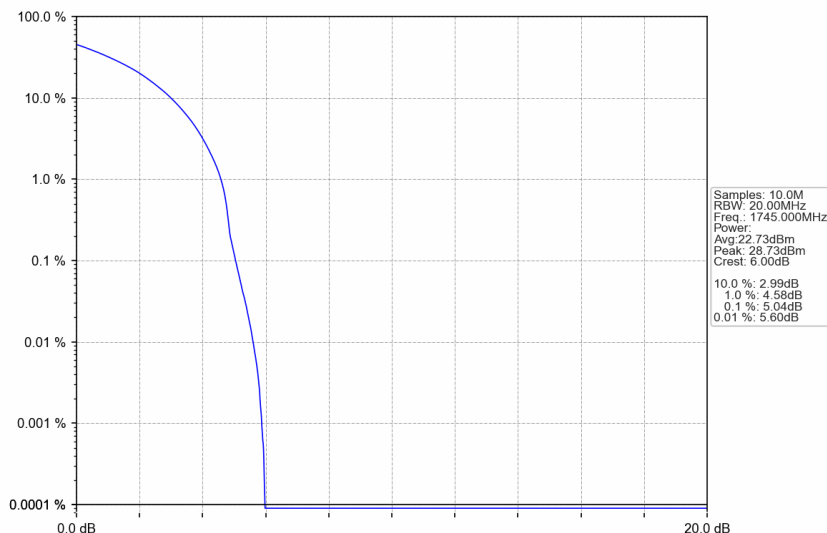
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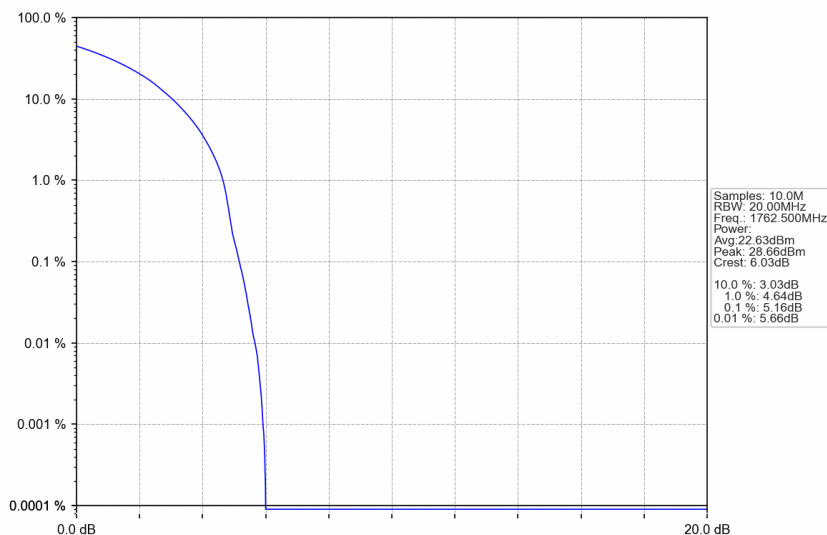
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n66_30kHz_SISO_NTNV_35MHz_DFT-s-OFDM QPSK_1745MHz_Outer_Full



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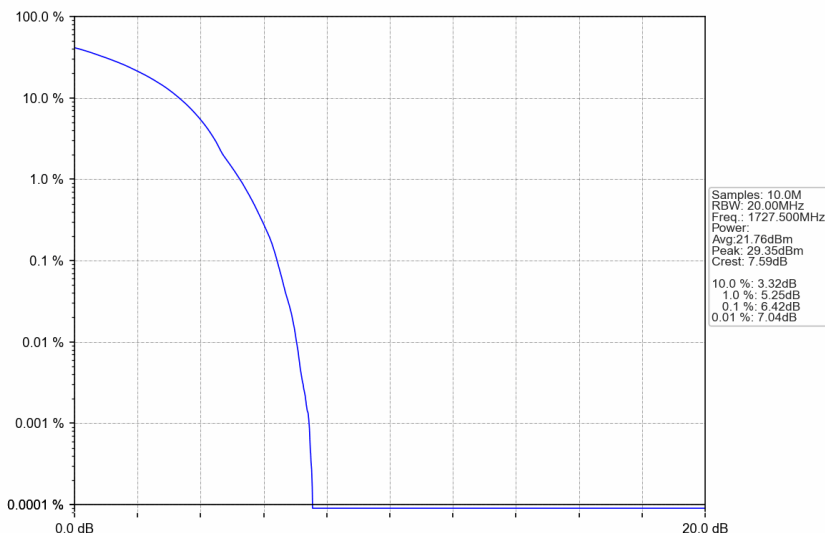
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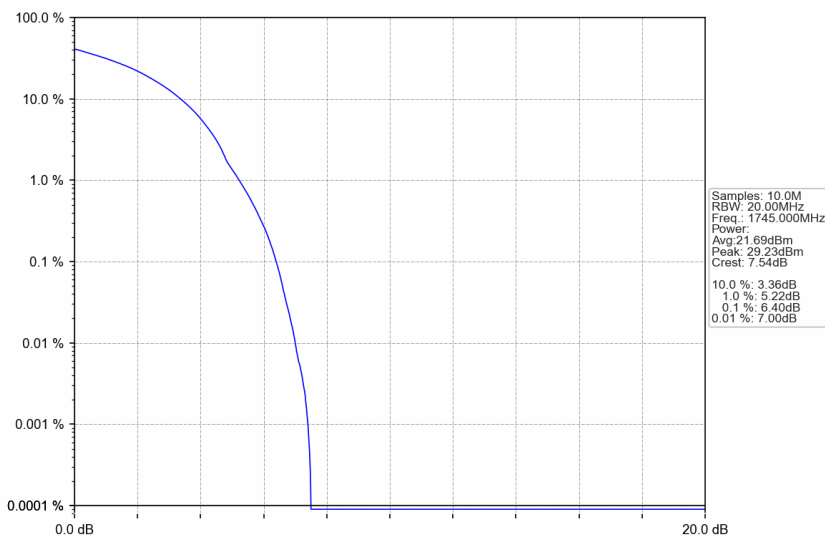
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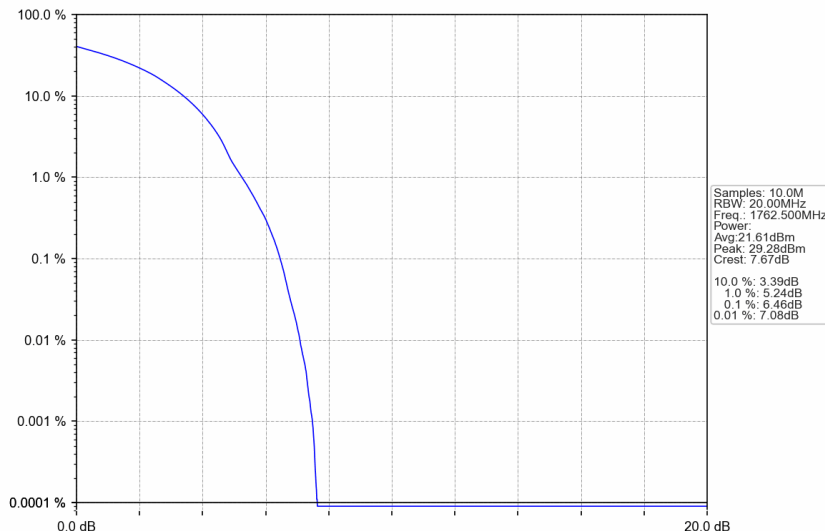
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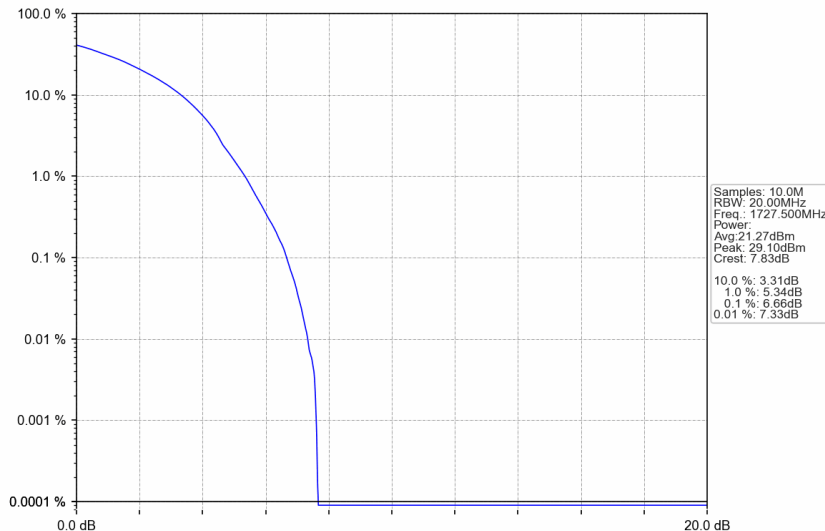
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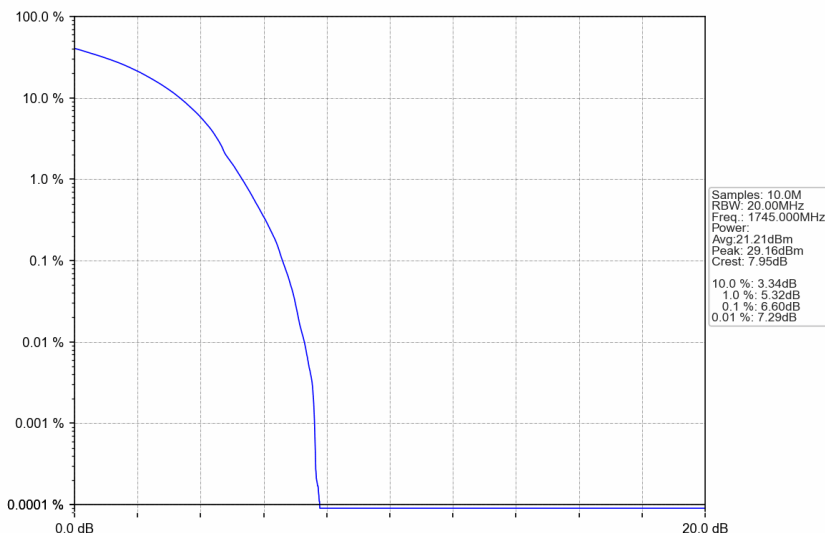
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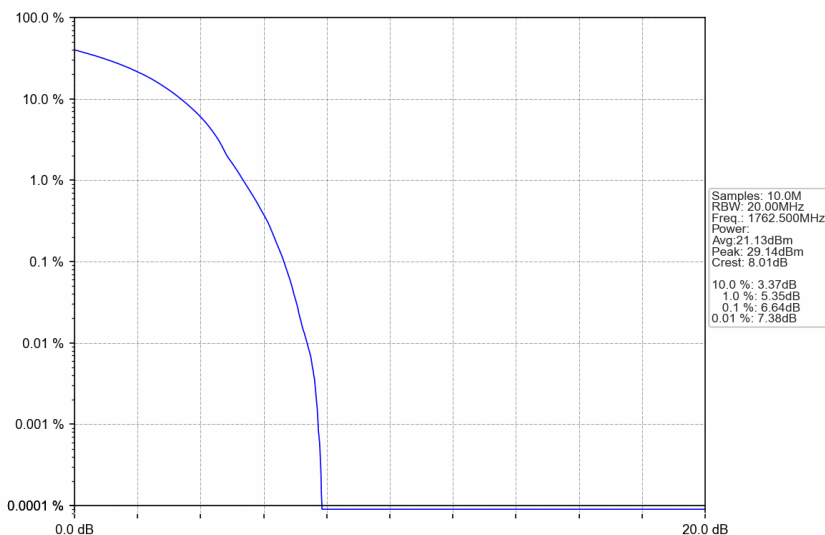
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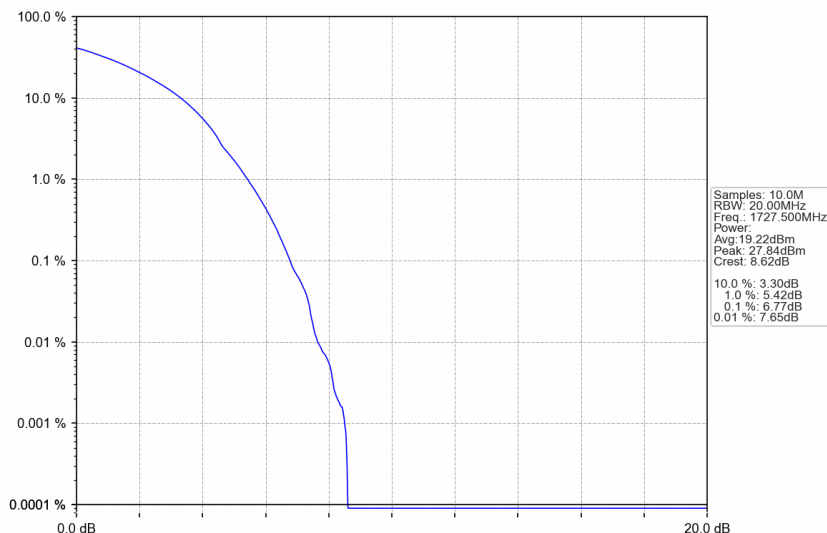


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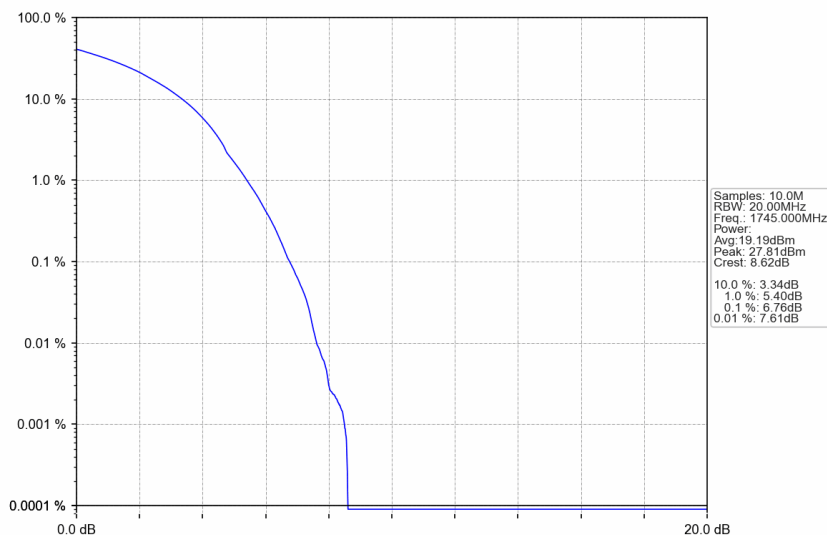
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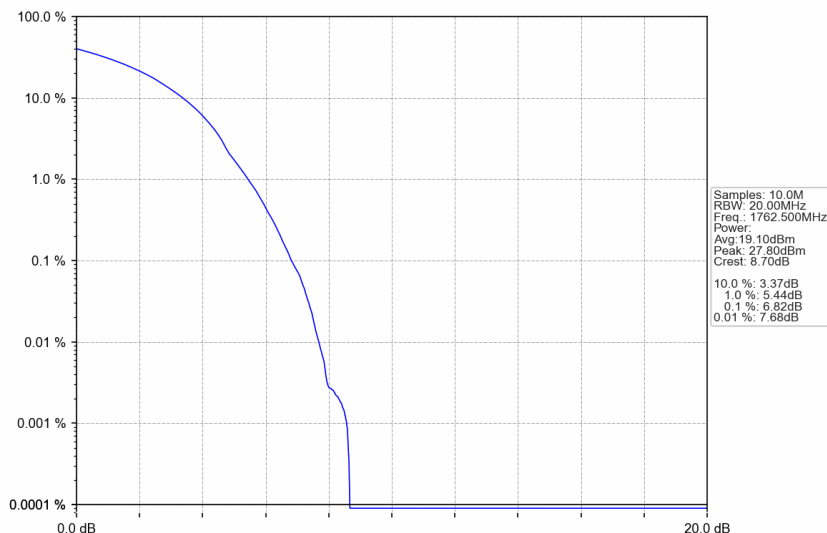
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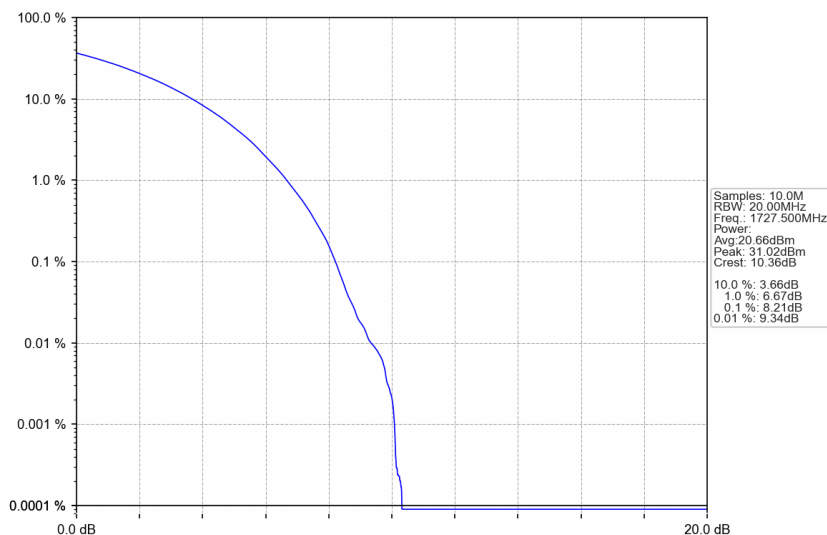
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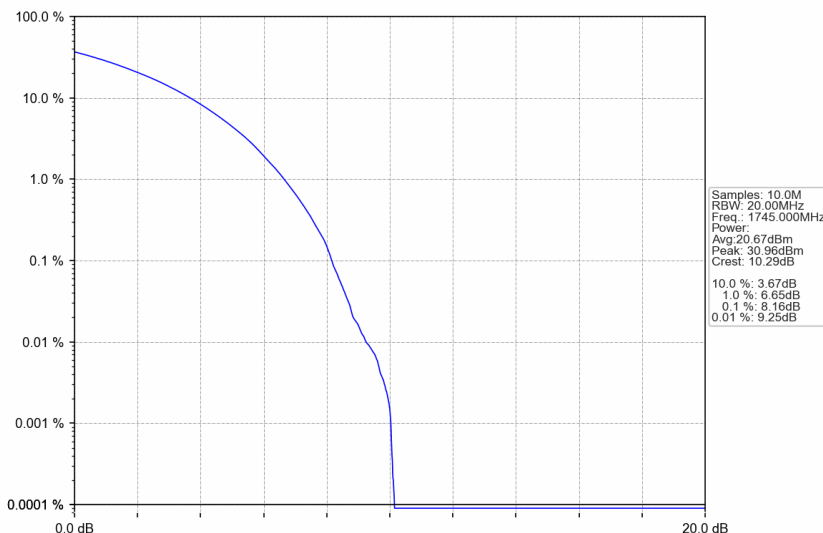


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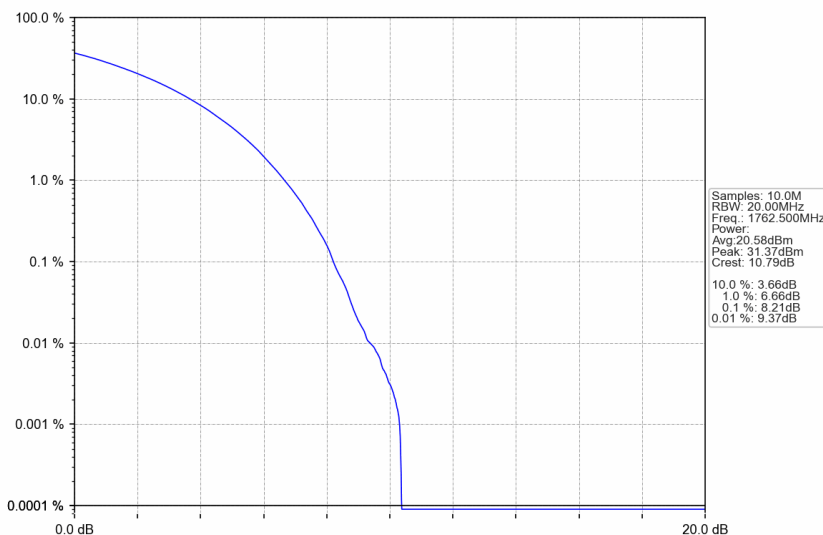
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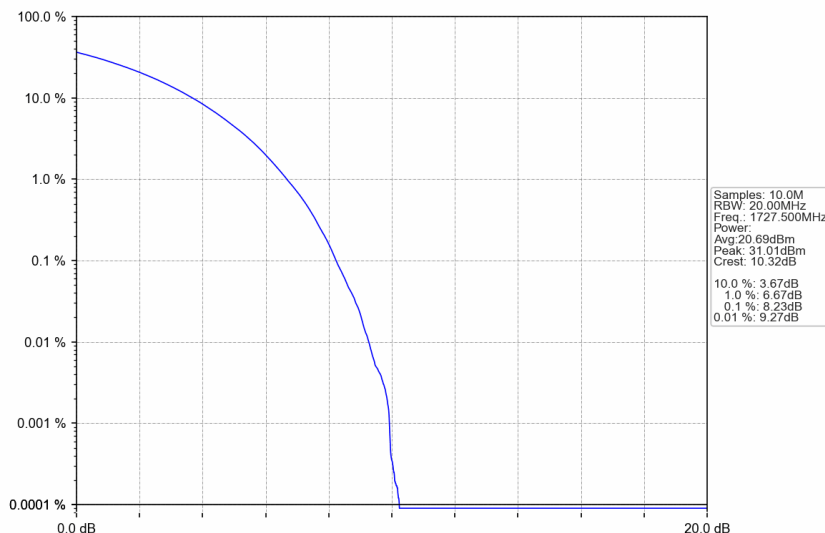


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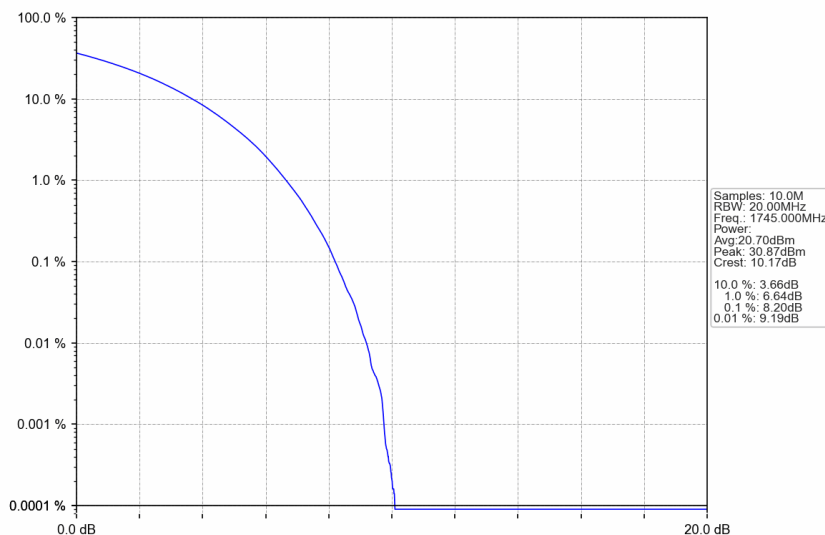
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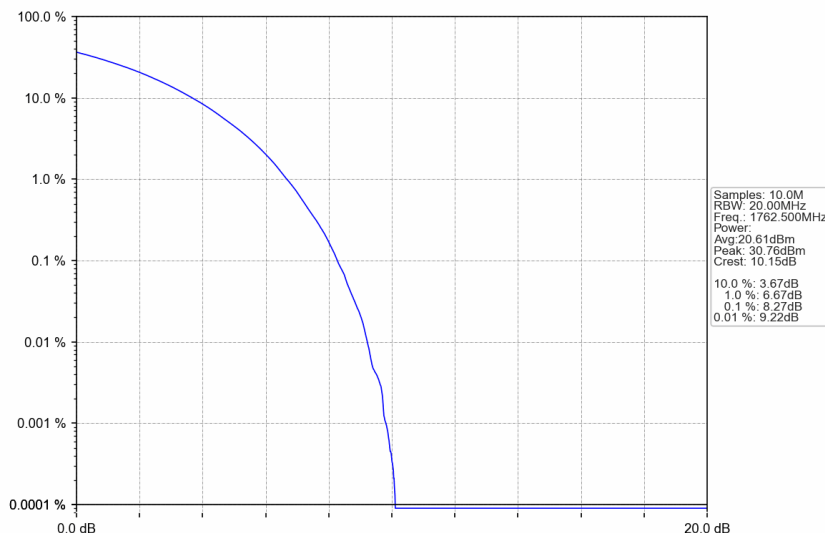
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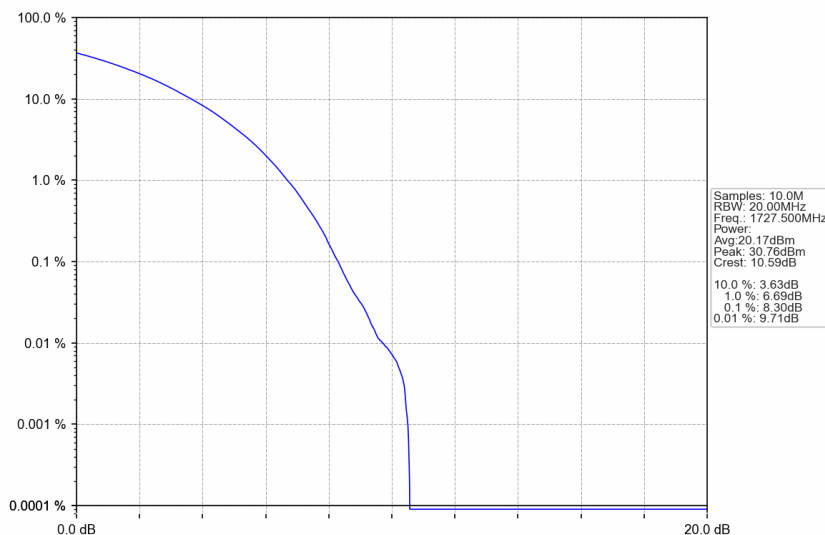
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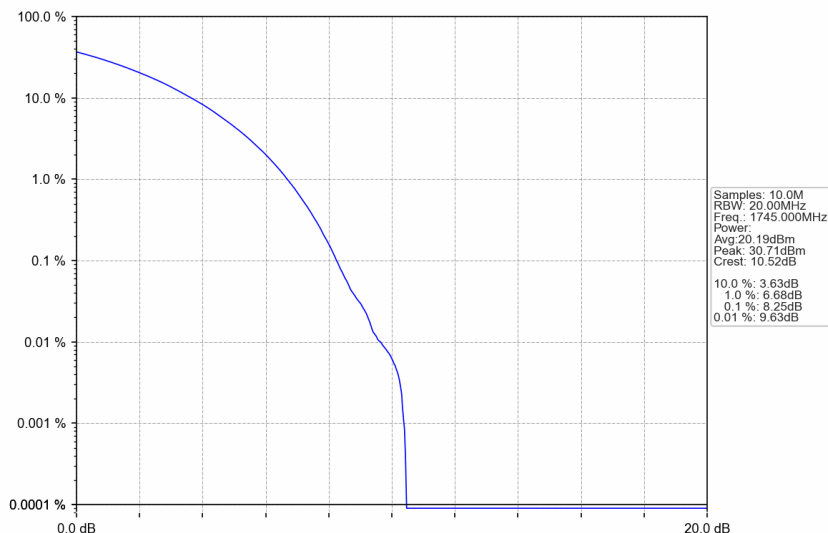
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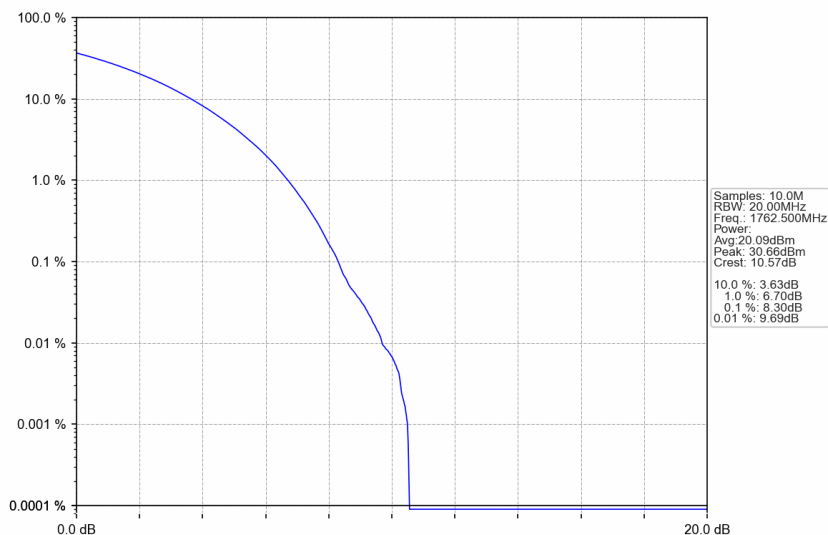
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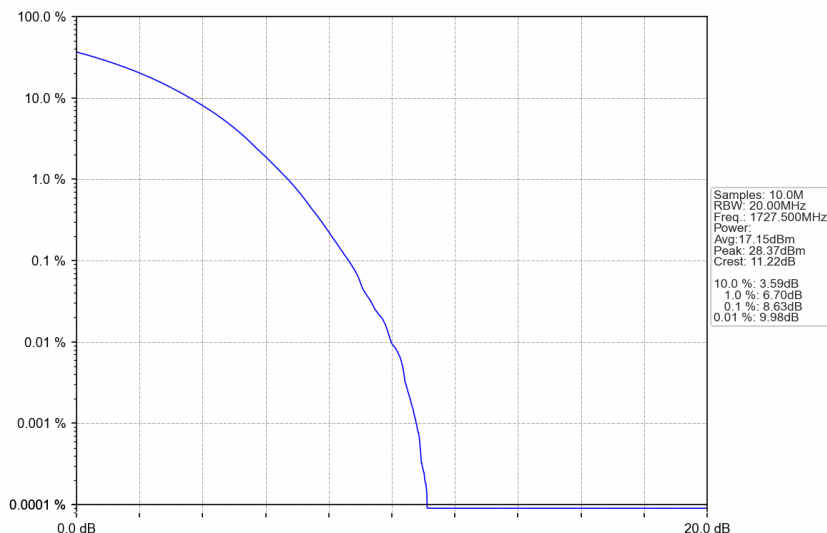
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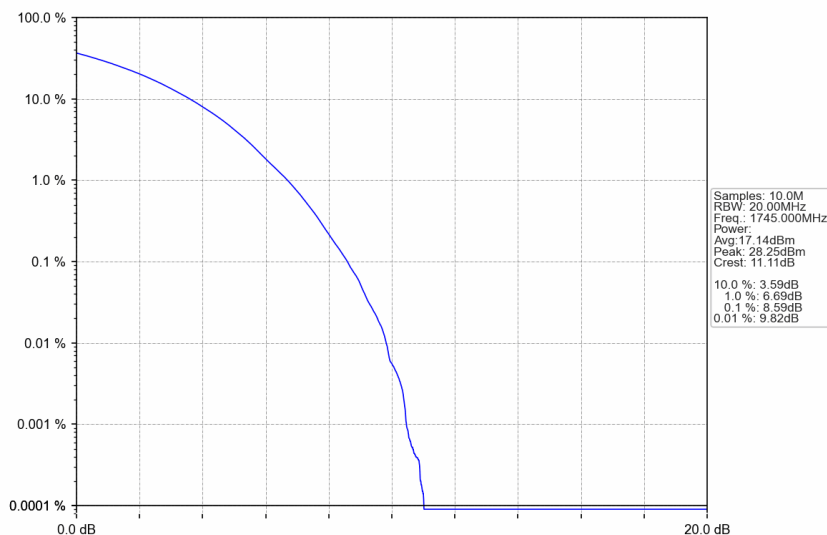
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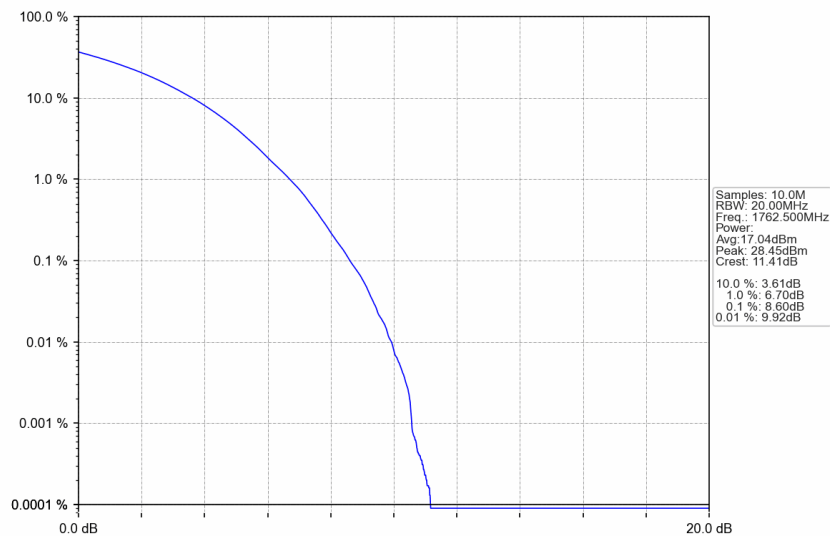


Report No.: SEWM2311000456RG02

Rev.: 01

Page: 547 of 982

n66_30kHz_SISO_NTNV_35MHz_CP-OFDM 256 QAM_1762.5MHz_Outer_Full



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5.15 30k_SISO_40MHz_NTNV

5.15.1 Test Result

5G NR n66 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	1730	Outer_Full	5.90	/	/	<=13	Pass
	1745	Outer_Full	6.08	/	/	<=13	Pass
	1760	Outer_Full	6.16	/	/	<=13	Pass
DFT-s-OFDM QPSK	1730	Outer_Full	5.93	/	/	<=13	Pass
	1745	Outer_Full	6.08	/	/	<=13	Pass
	1760	Outer_Full	6.16	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1730	Outer_Full	6.93	/	/	<=13	Pass
	1745	Outer_Full	6.93	/	/	<=13	Pass
	1760	Outer_Full	6.95	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1730	Outer_Full	6.87	/	/	<=13	Pass
	1745	Outer_Full	6.88	/	/	<=13	Pass
	1760	Outer_Full	6.90	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1730	Outer_Full	6.95	/	/	<=13	Pass
	1745	Outer_Full	6.94	/	/	<=13	Pass
	1760	Outer_Full	6.98	/	/	<=13	Pass
CP-OFDM QPSK	1730	Outer_Full	8.33	/	/	<=13	Pass
	1745	Outer_Full	8.31	/	/	<=13	Pass
	1760	Outer_Full	8.33	/	/	<=13	Pass
CP-OFDM 16 QAM	1730	Outer_Full	8.26	/	/	<=13	Pass
	1745	Outer_Full	8.23	/	/	<=13	Pass
	1760	Outer_Full	8.26	/	/	<=13	Pass
CP-OFDM 64 QAM	1730	Outer_Full	8.43	/	/	<=13	Pass
	1745	Outer_Full	8.42	/	/	<=13	Pass
	1760	Outer_Full	8.44	/	/	<=13	Pass
CP-OFDM 256 QAM	1730	Outer_Full	8.38	/	/	<=13	Pass
	1745	Outer_Full	8.34	/	/	<=13	Pass
	1760	Outer_Full	8.34	/	/	<=13	Pass

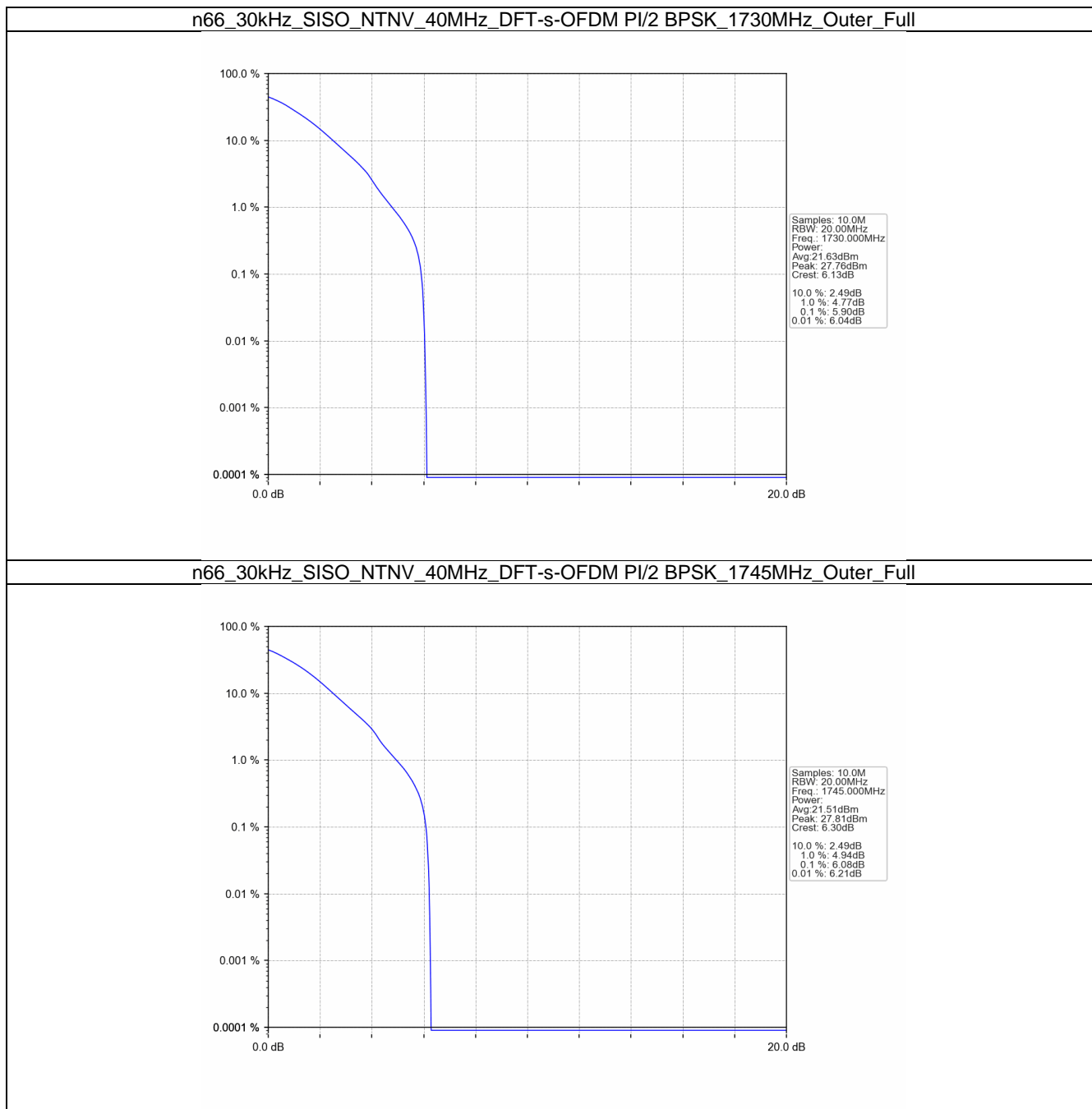


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5.15.2 Test Graph

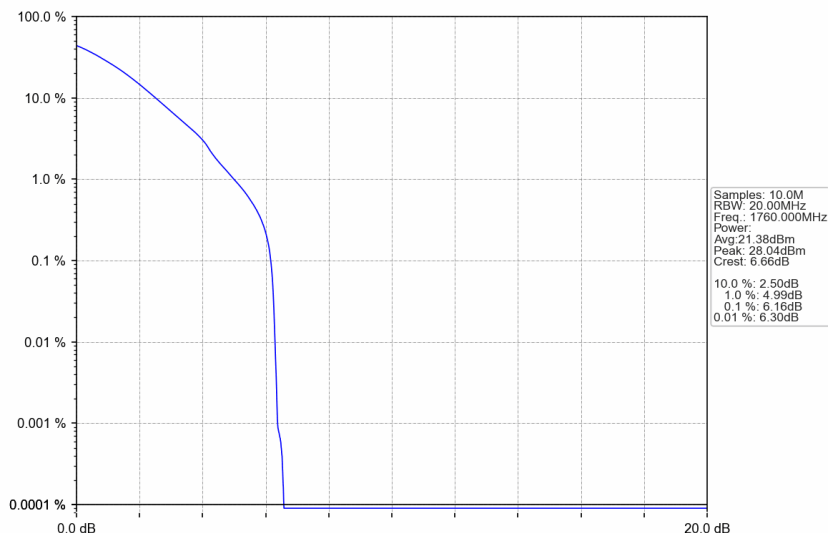


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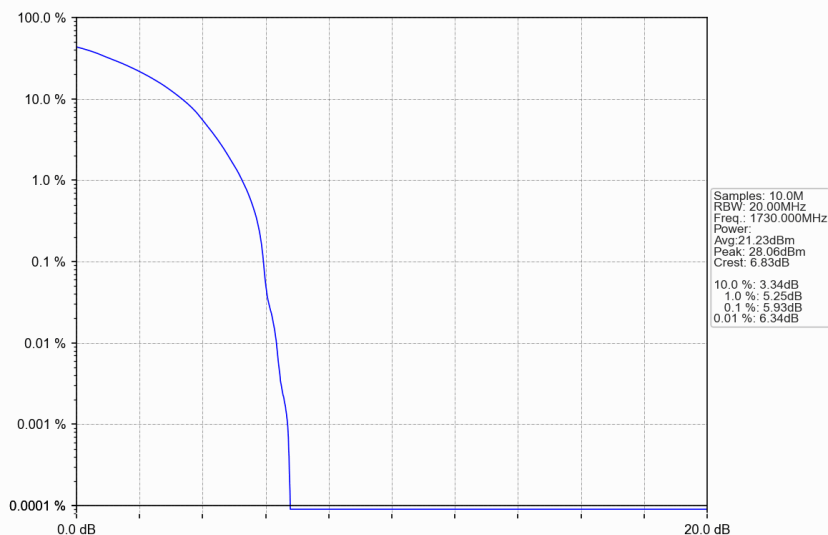
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n66_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_1760MHz_Outer_Full



n66_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_1730MHz_Outer_Full

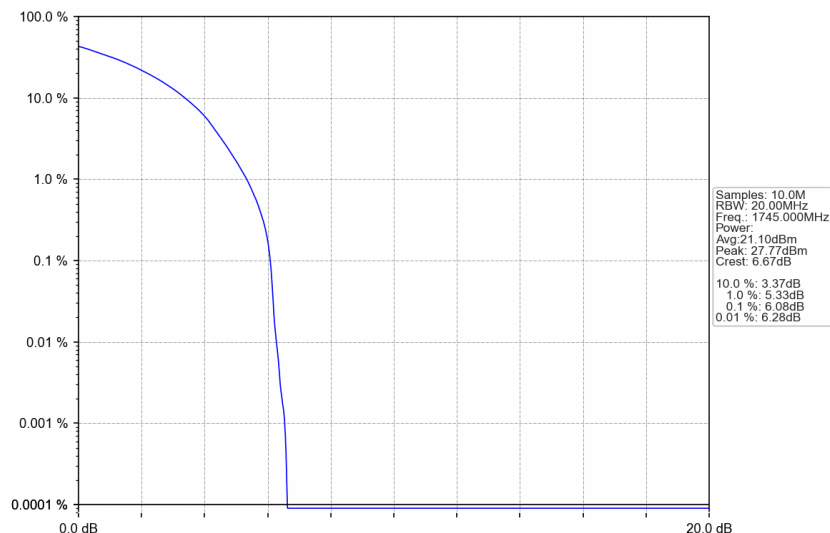


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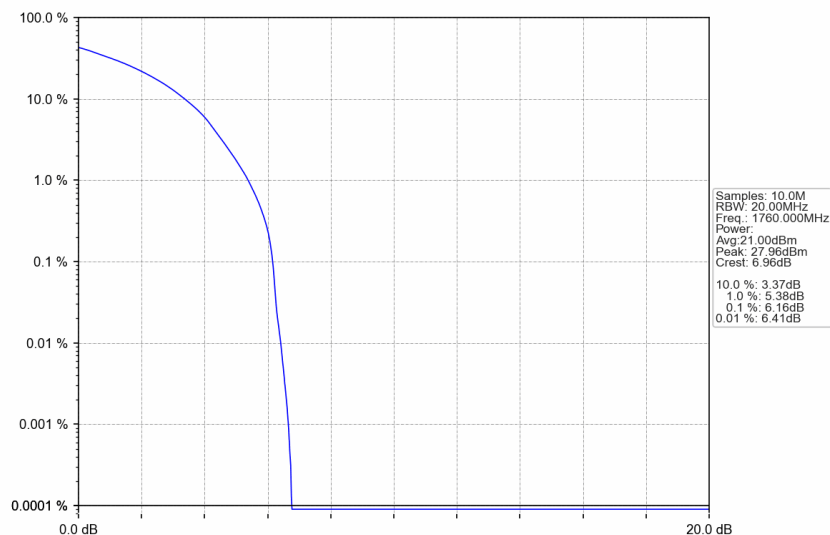
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n66_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_1745MHz_Outer_Full



n66_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_1760MHz_Outer_Full

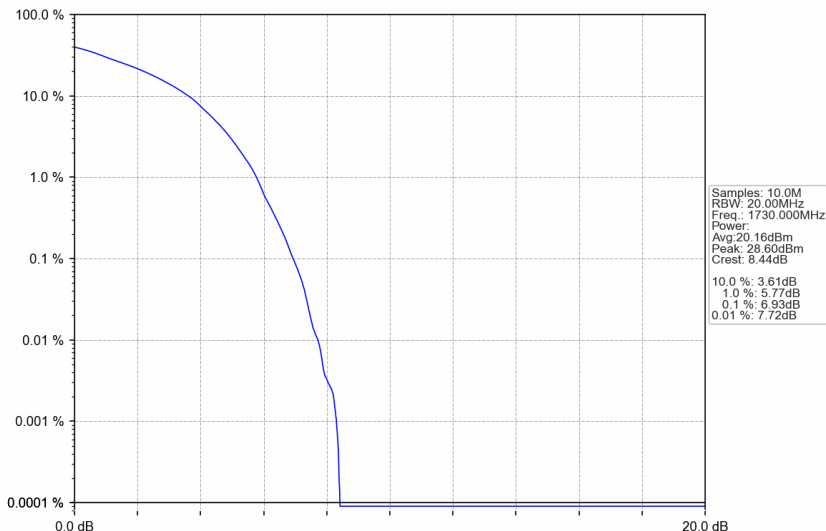


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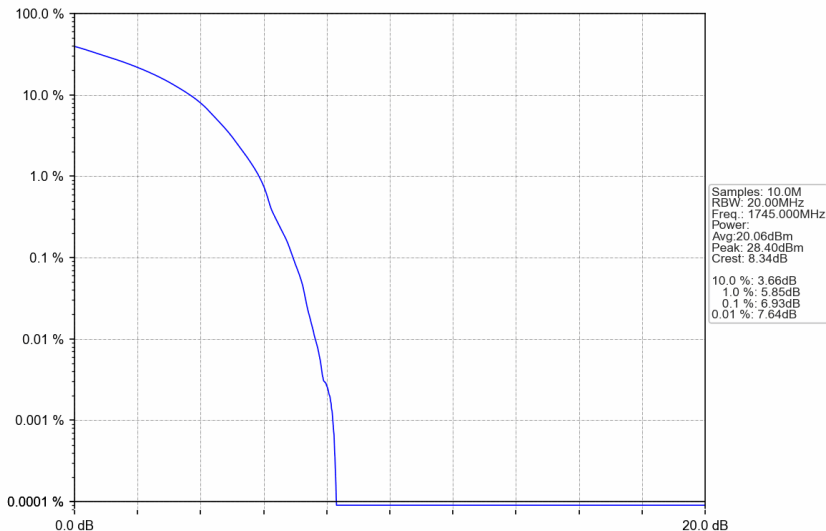
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n66_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_1730MHz_Outer_Full



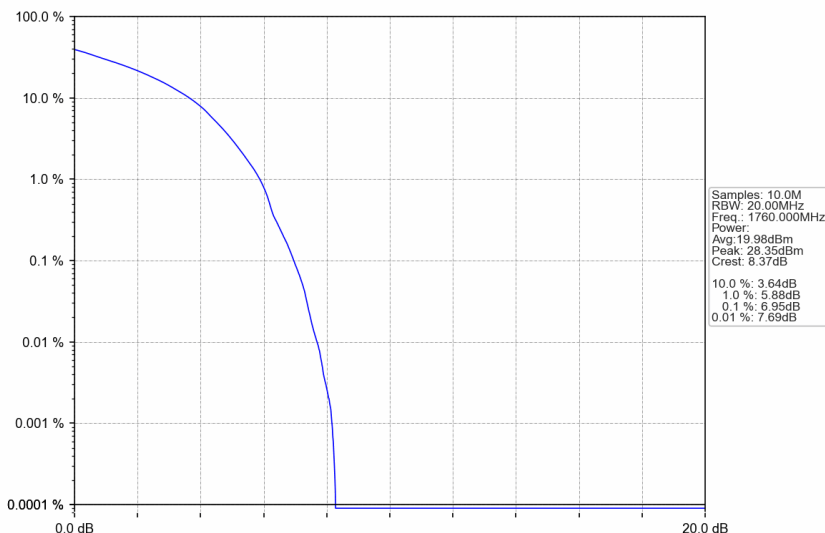
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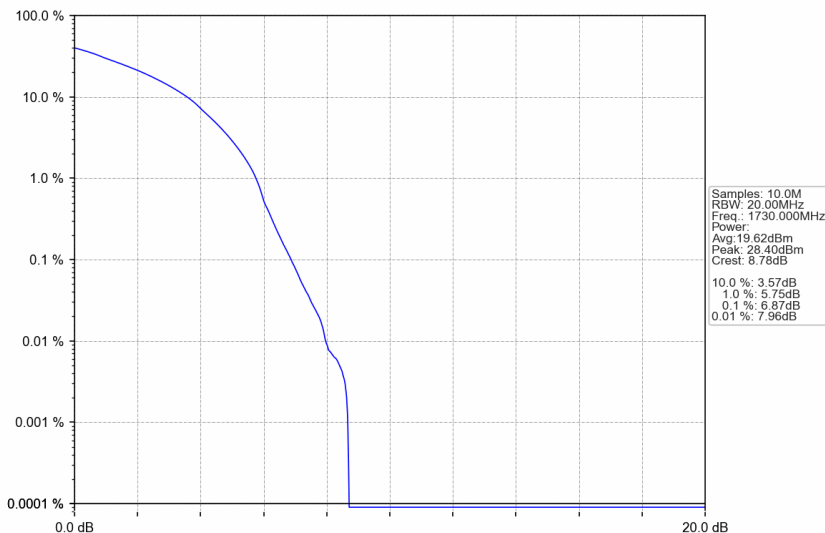
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n66_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_1760MHz_Outer_Full



n66_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_1730MHz_Outer_Full



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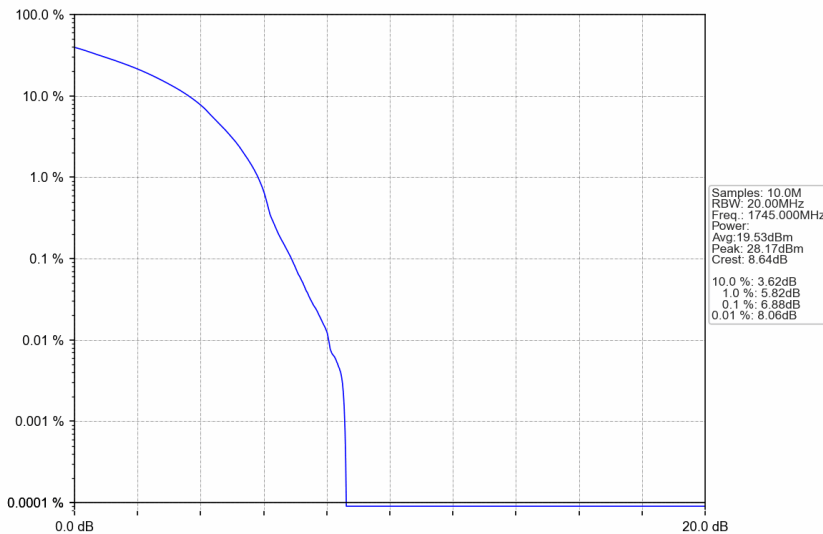


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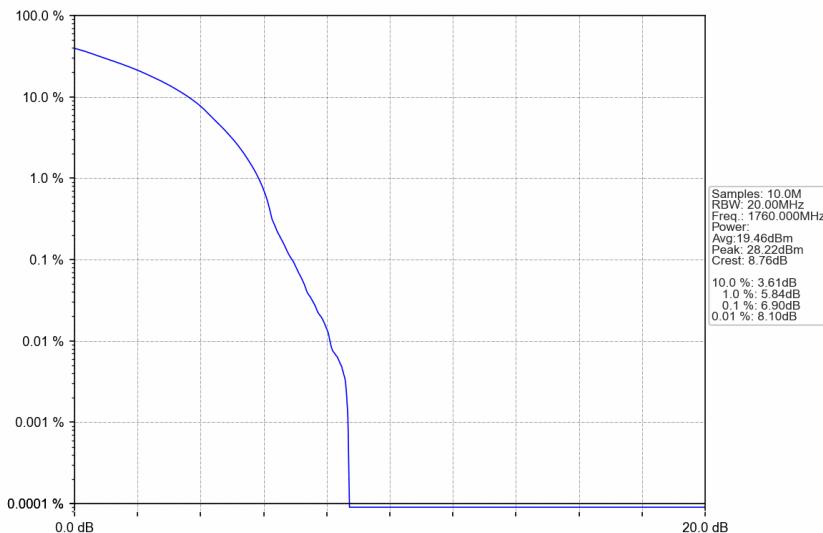
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n66_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_1745MHz_Outer_Full



n66_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_1760MHz_Outer_Full



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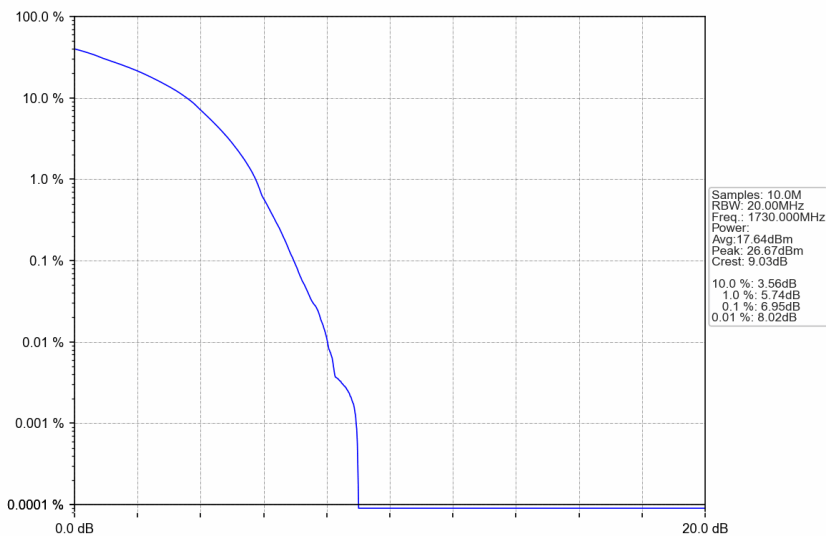
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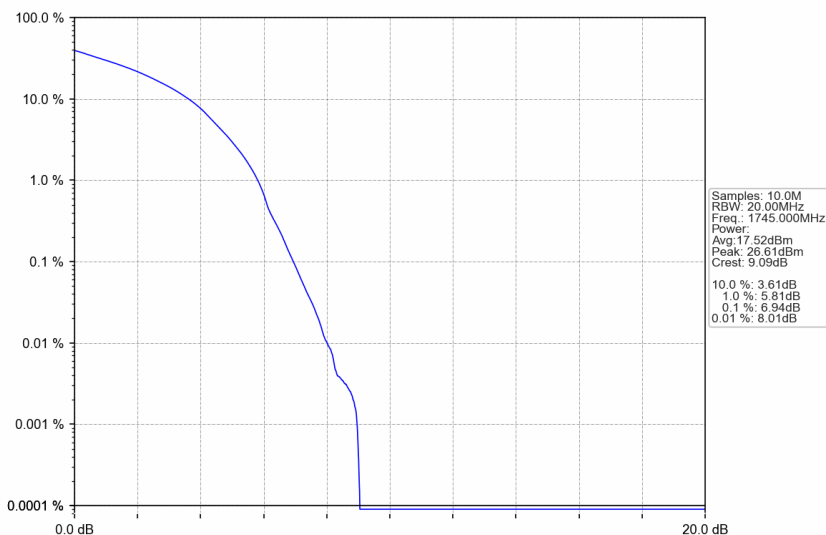
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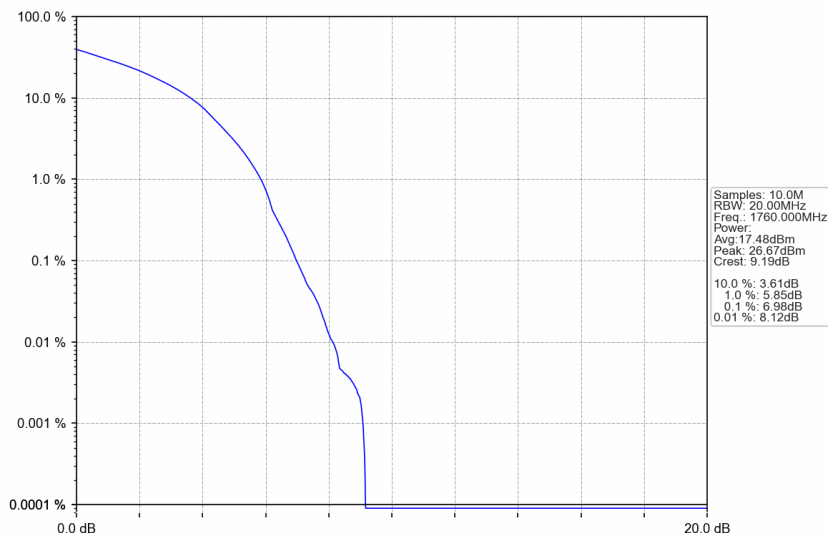


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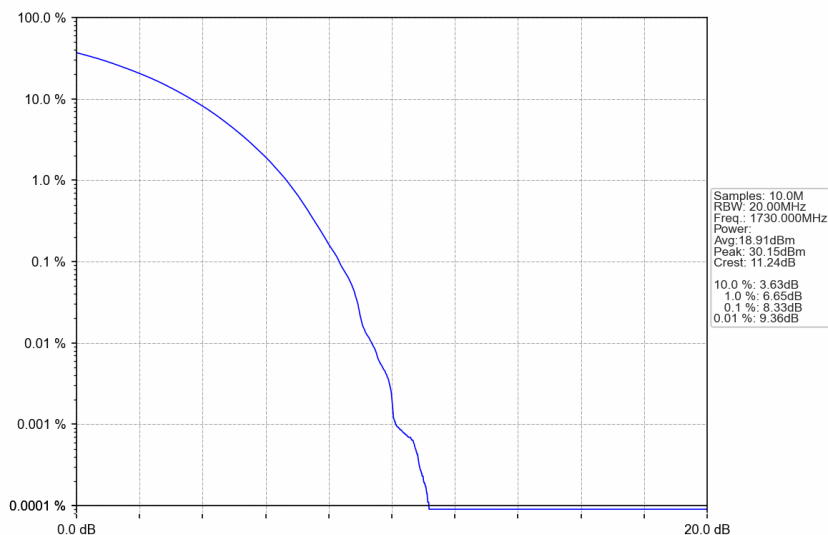
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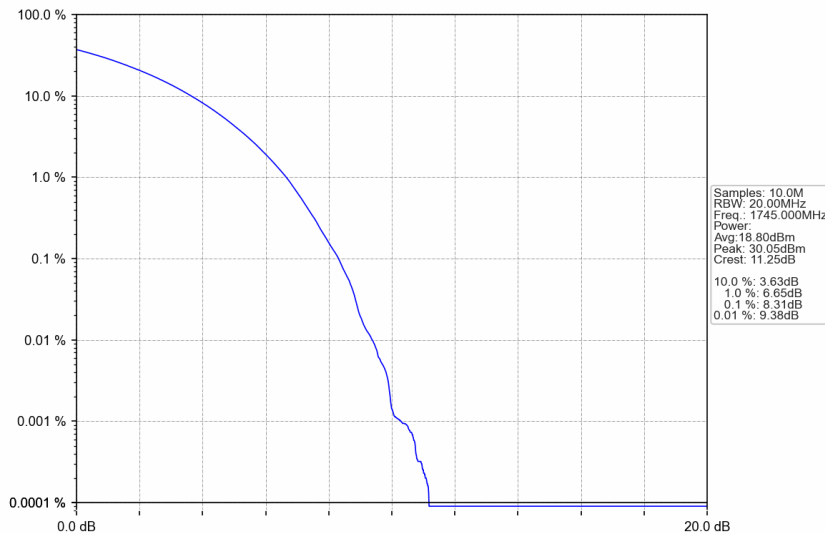


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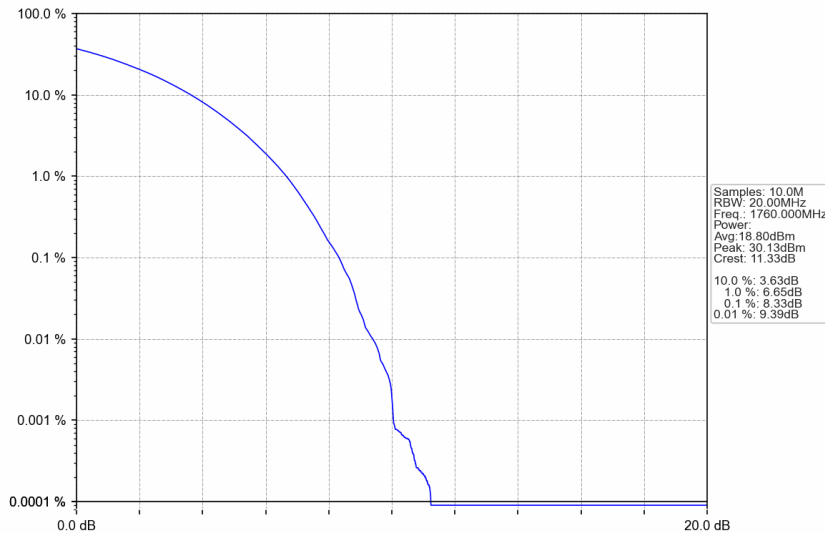
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n66_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_1760MHz_Outer_Full



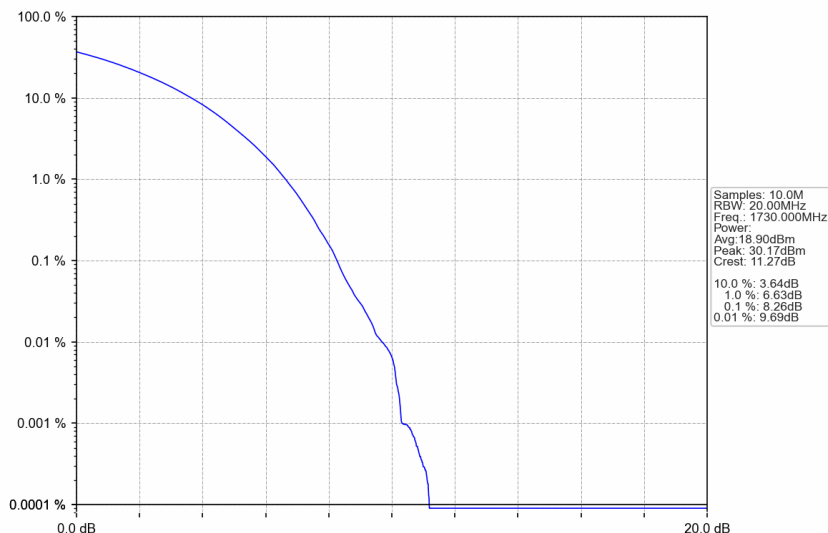
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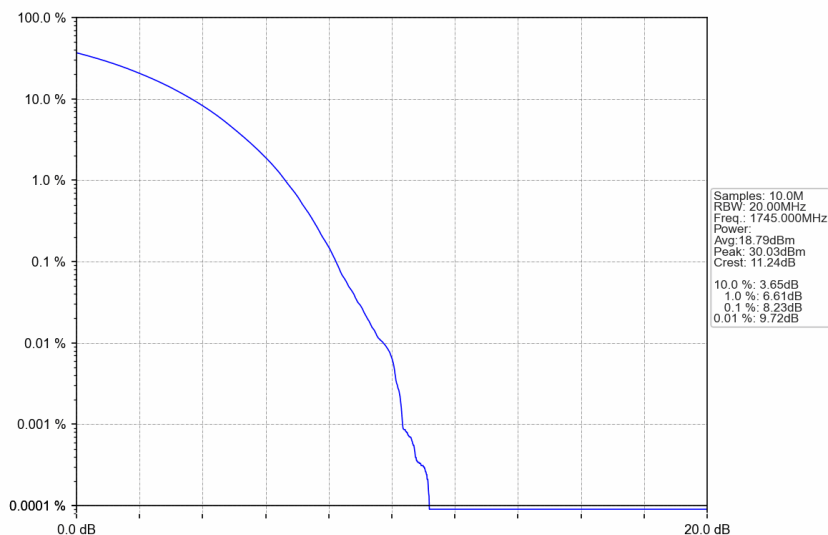
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n66_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_1730MHz_Outer_Full



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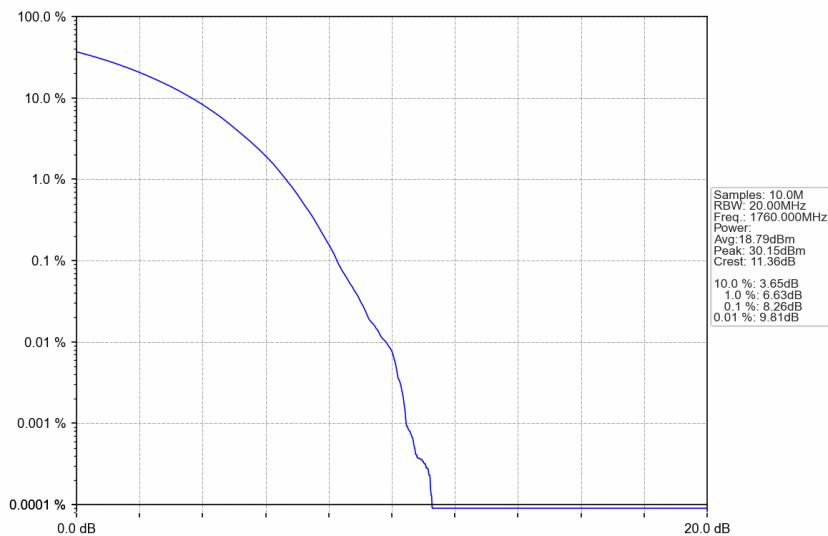


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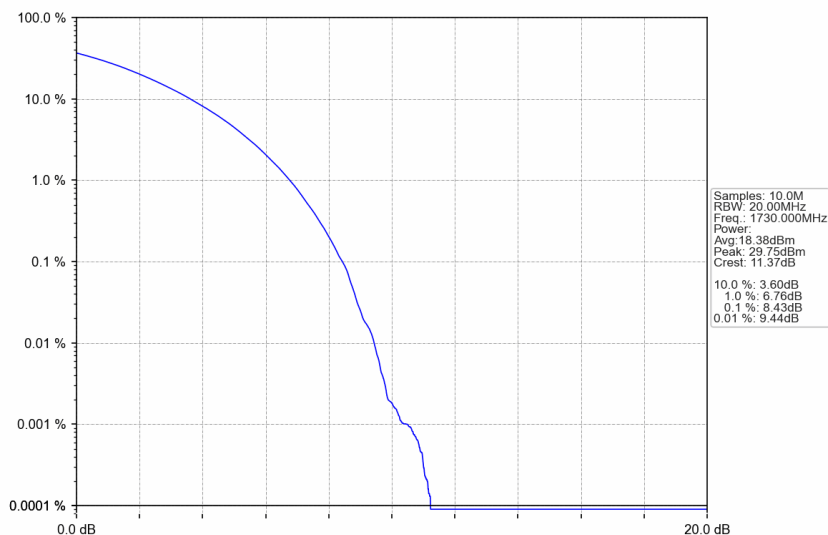
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n66_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_1760MHz_Outer_Full



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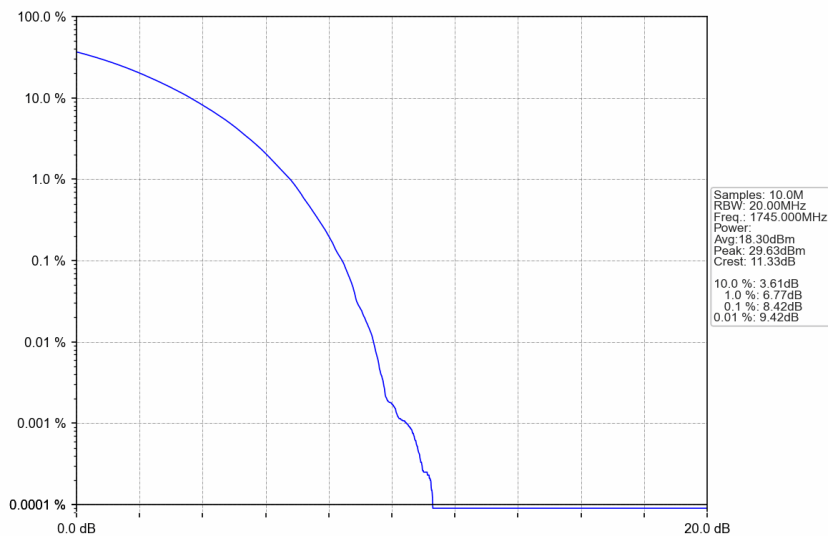


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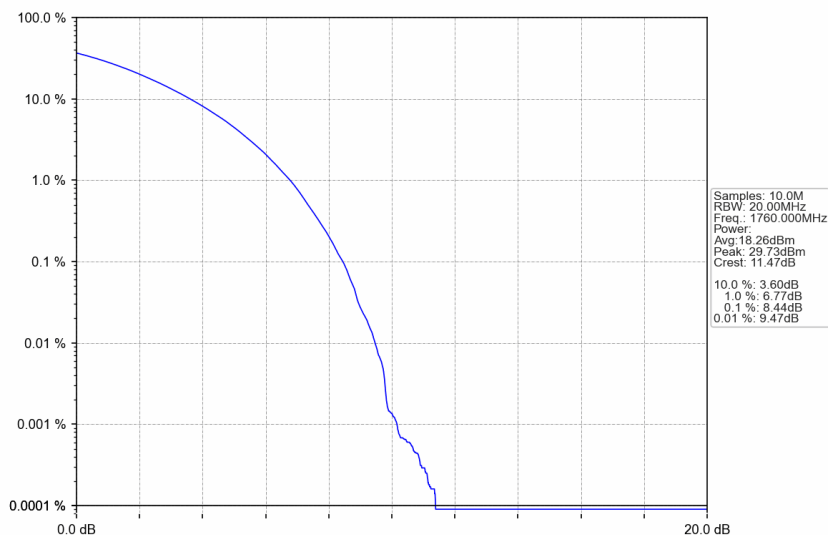
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n66_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_1745MHz_Outer_Full



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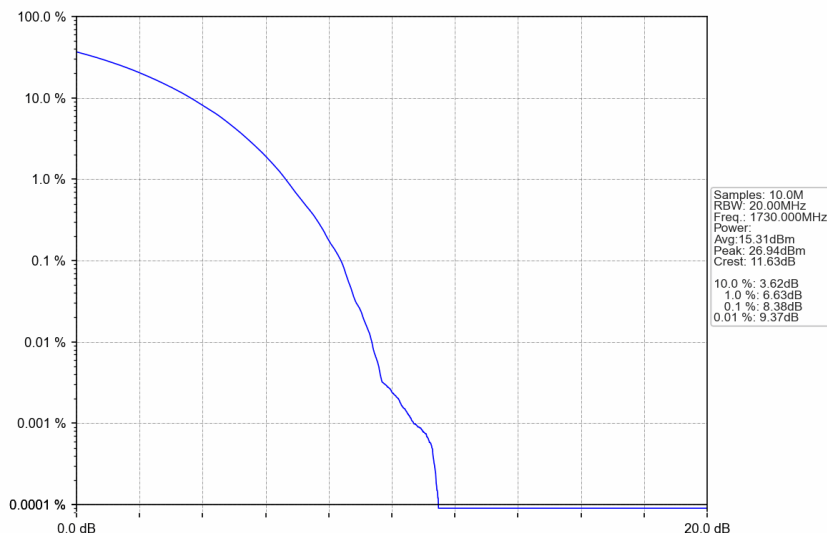
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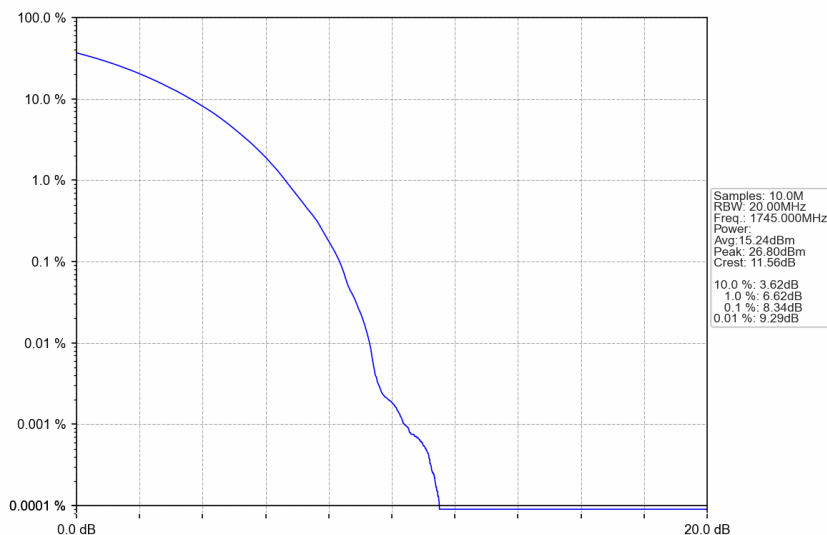
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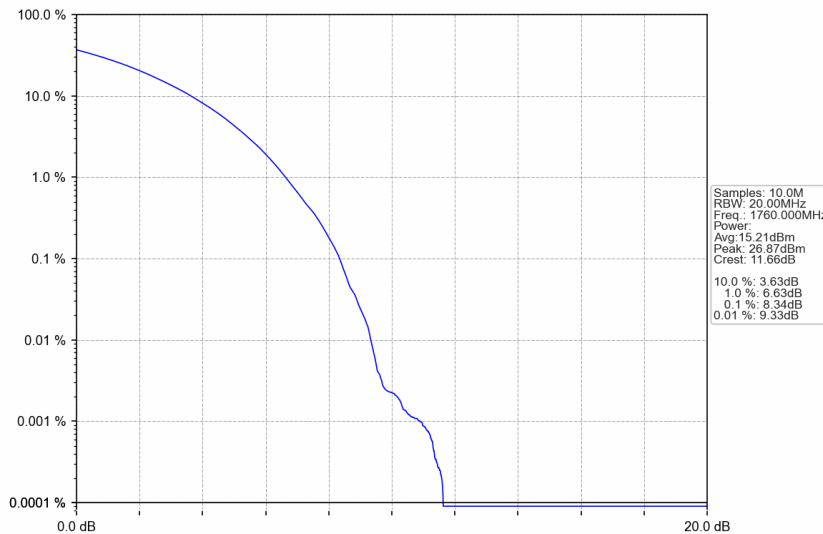


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n66_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_1760MHz_Outer_Full



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6. Spurious Emission & Band Edges

6.1 15k_SISO_5MHz_NTNV

6.1.1 Test Result

5G NR n66 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM PI/2 BPSK	1712.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	1745	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	1712.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	1745	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	1712.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	1745	Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
1777.5	Inner_1RB_Right	Refer To Test Graph			Pass	
	Edge_1RB_Left	Refer To Test Graph			Pass	
	Outer_Full	Refer To Test Graph			Pass	

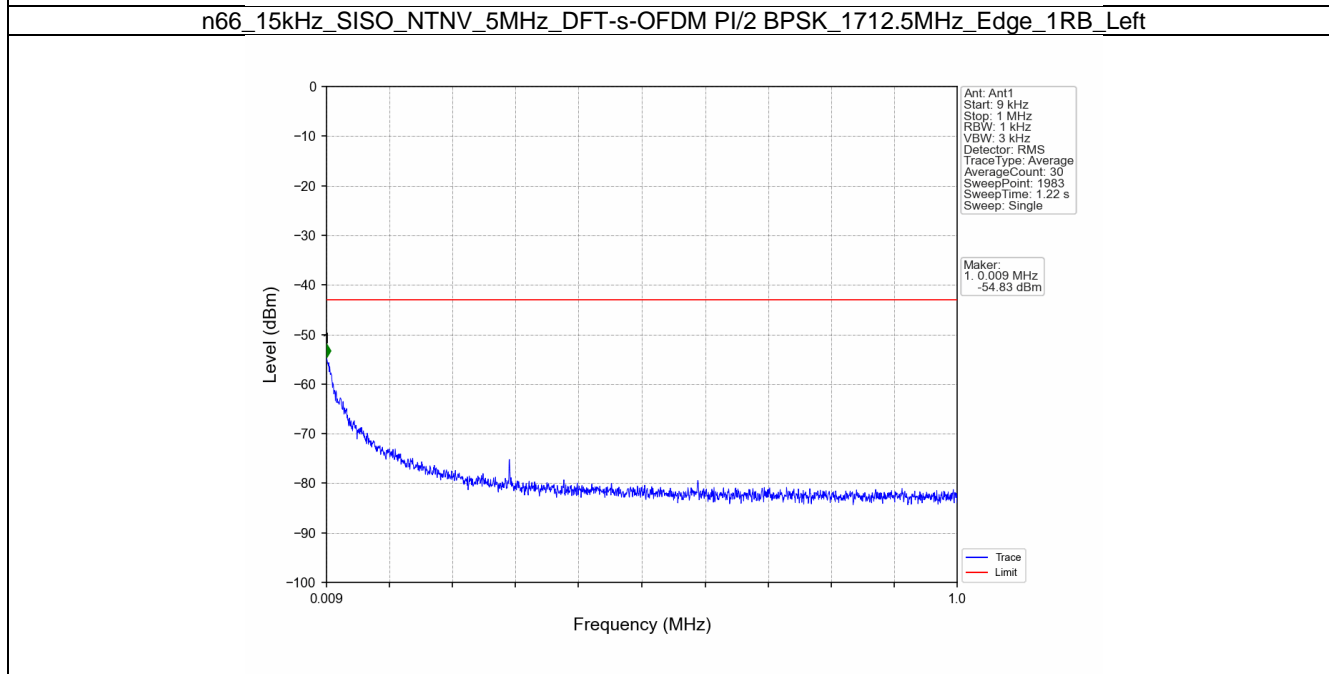
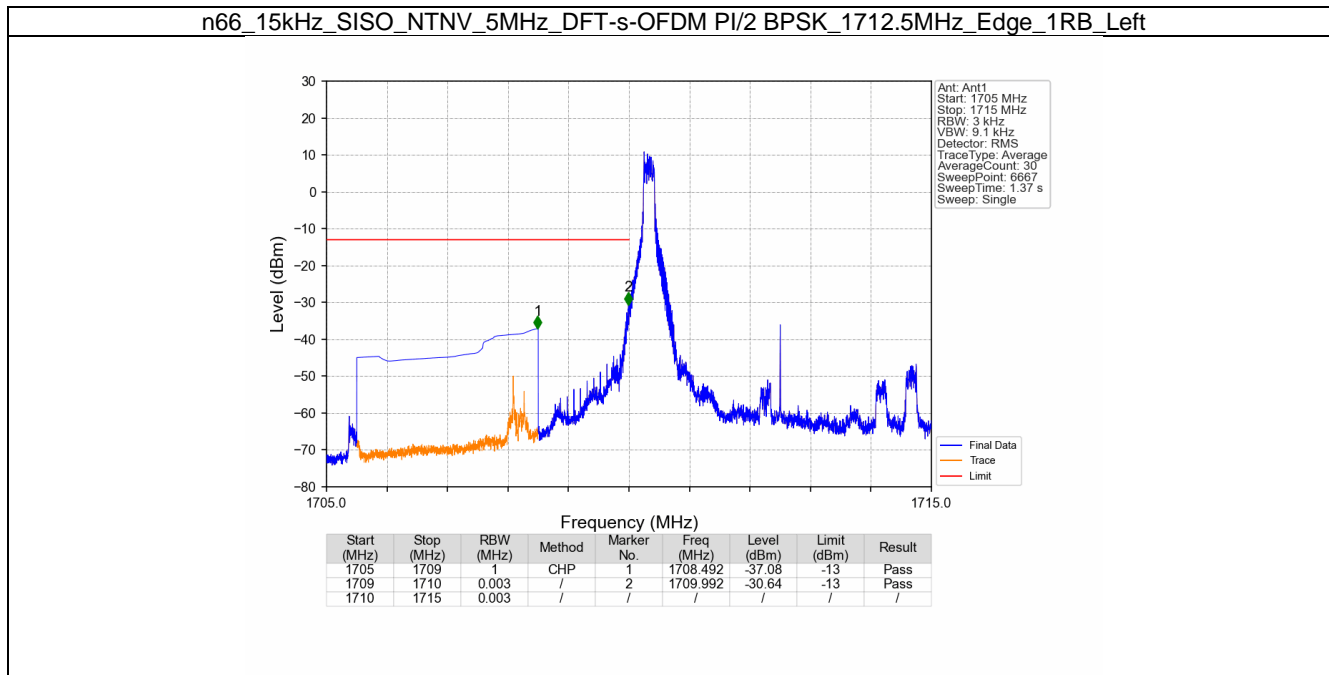


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6.1.2 Test Graph

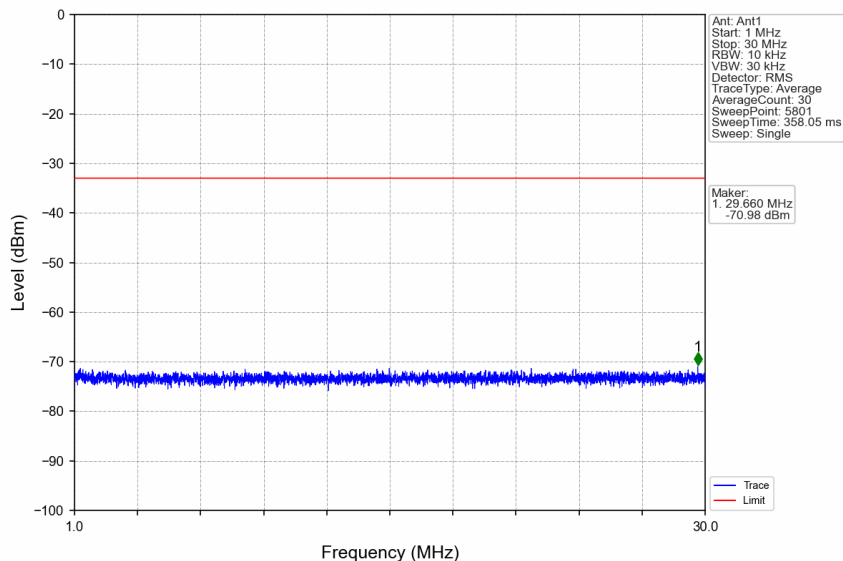


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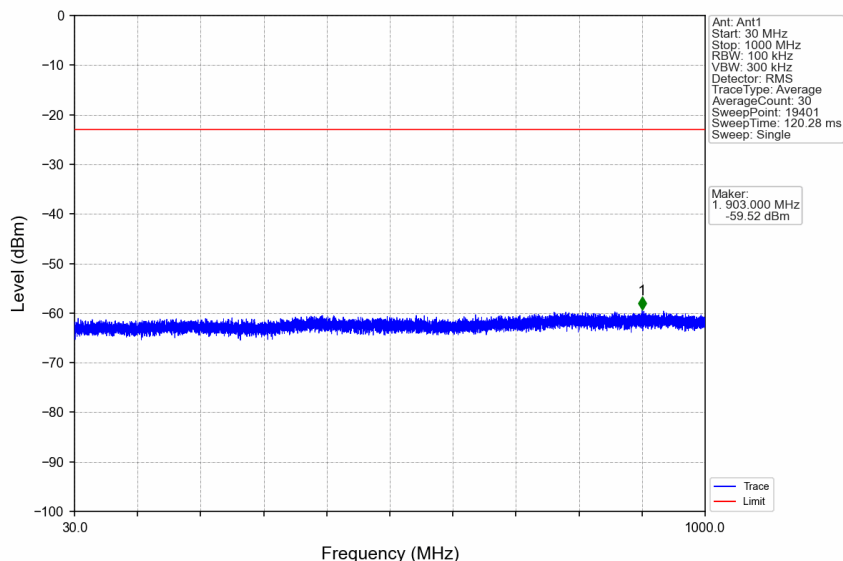
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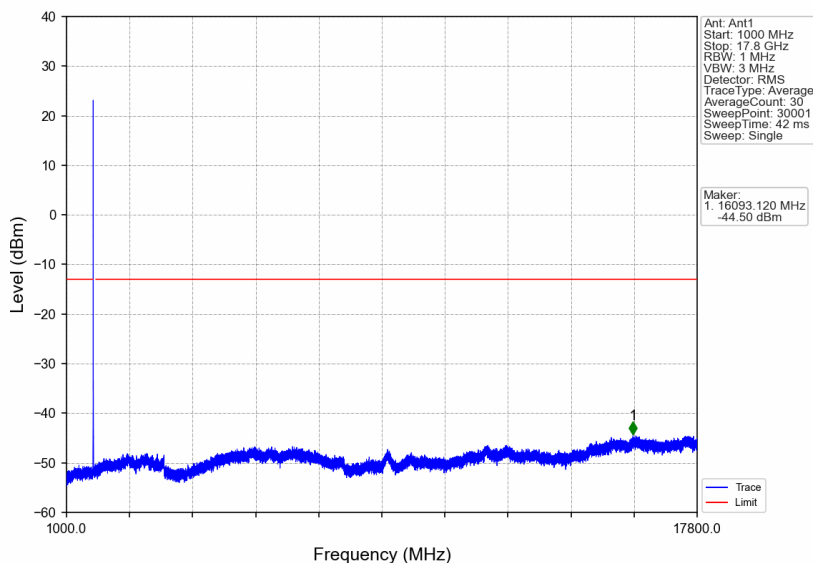
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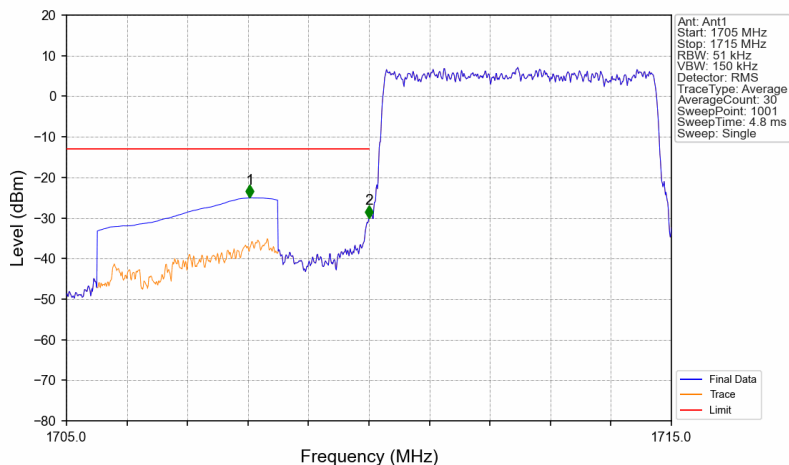
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1712.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.030	-25.05	-13	Pass
1709	1710	0.051	/	/	1710.000	-30.01	-13	Pass
1710	1715	0.051	/	/	/	/	/	/



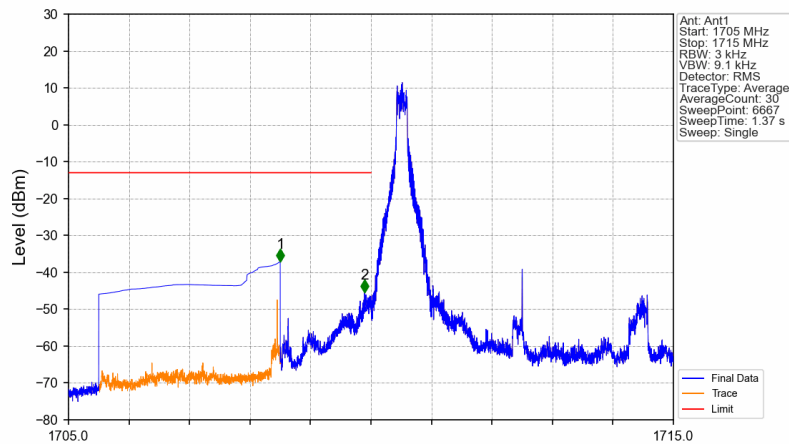
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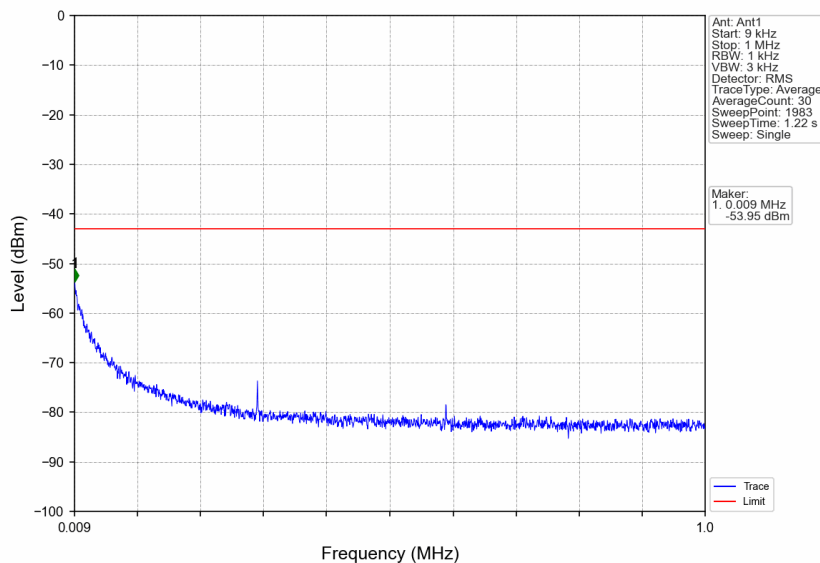
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-37.10	-13	Pass
1709	1710	0.003	/	2	1709.895	-45.52	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

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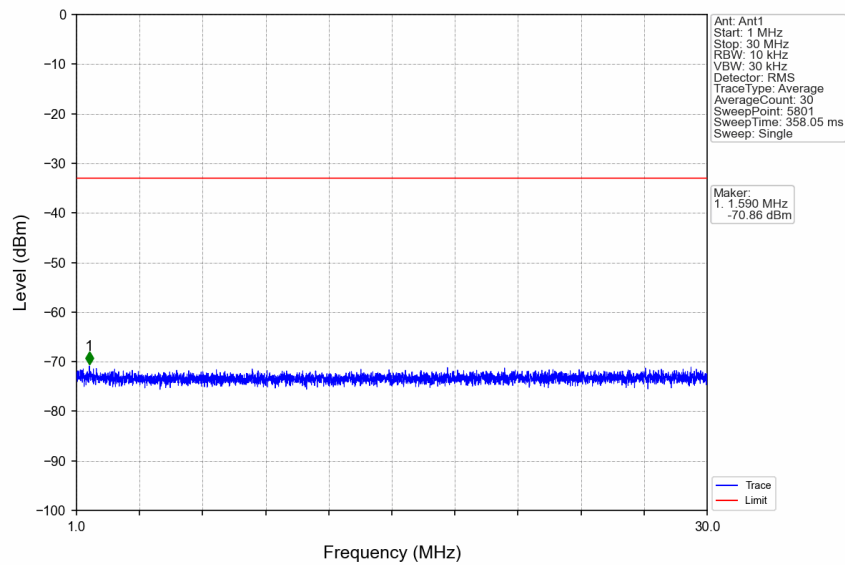


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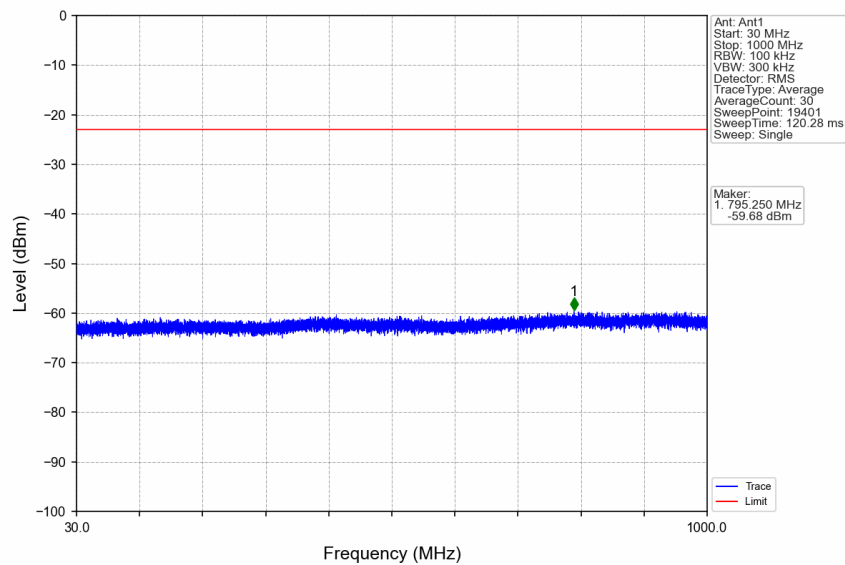
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1745MHz_Edge_1RB_Left



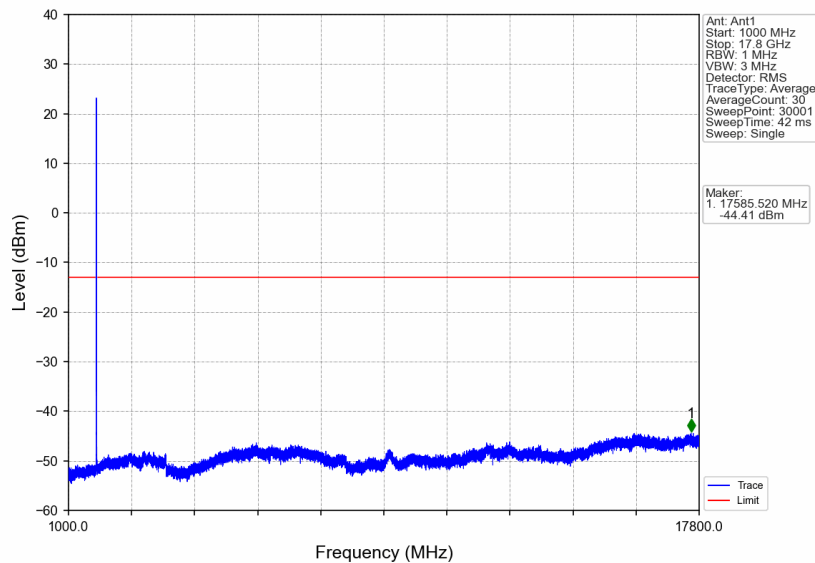
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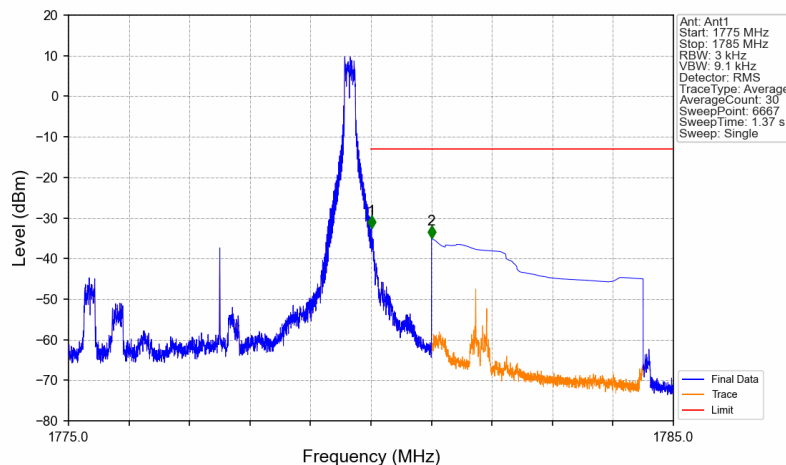
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1745MHz_Edge_1RB_Left



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1777.5MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.009	-32.50	-13	Pass
1781	1785	1	CHP	2	1781.001	-35.03	-13	Pass

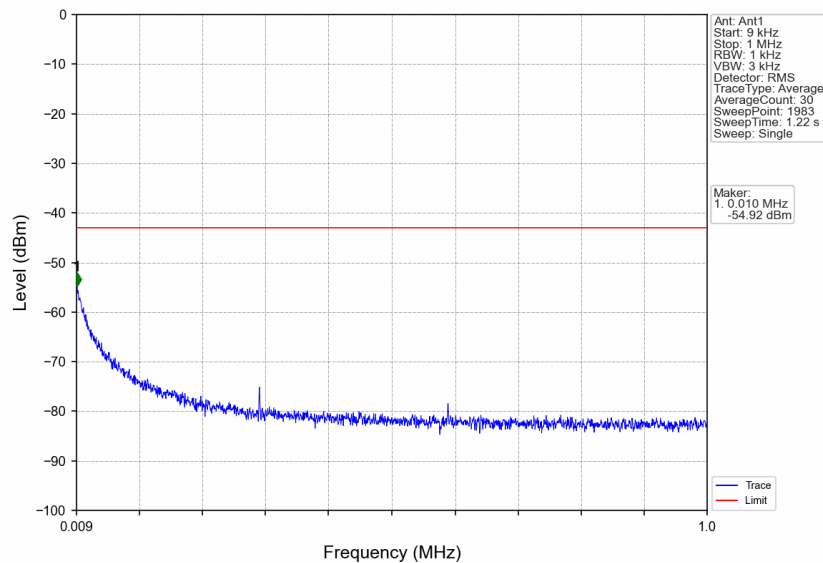


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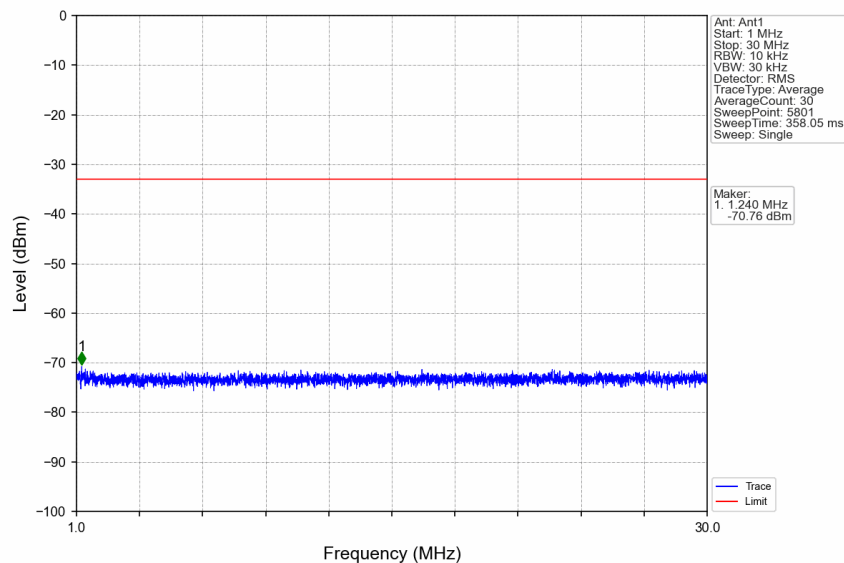
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1777.5MHz_Edge_1RB_Right



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1777.5MHz_Edge_1RB_Right

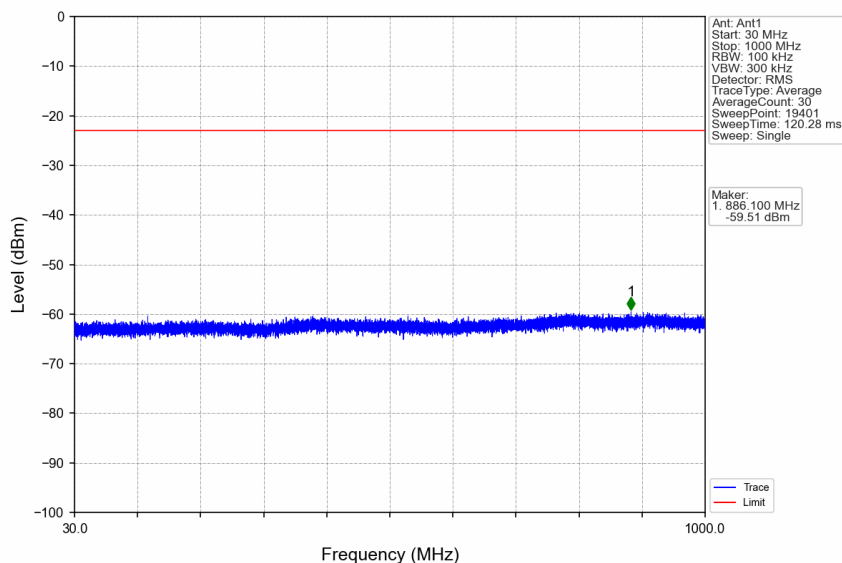


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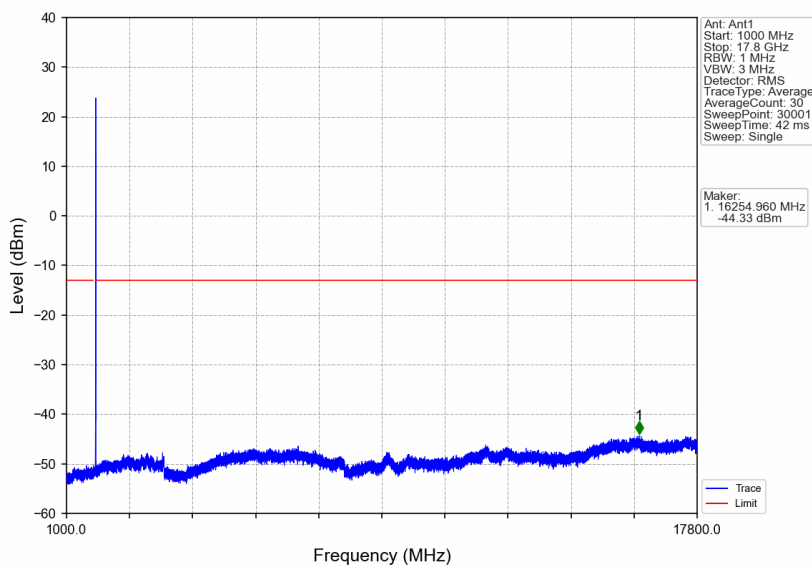
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
 Wireless Laboratory

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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1777.5MHz_Edge_1RB_Right



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1777.5MHz_Edge_1RB_Right

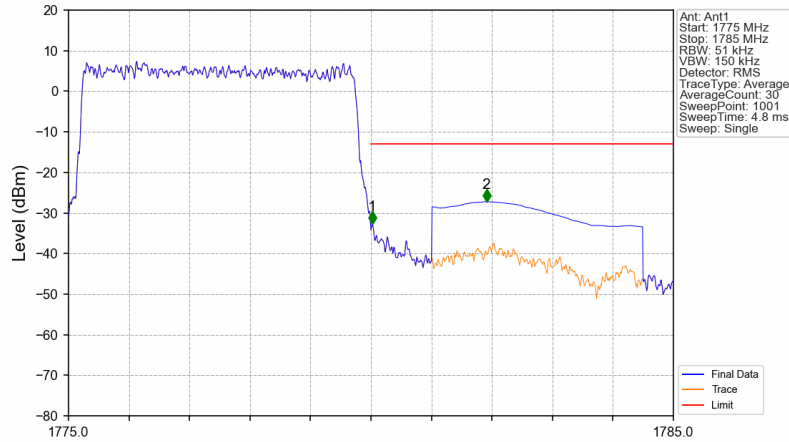


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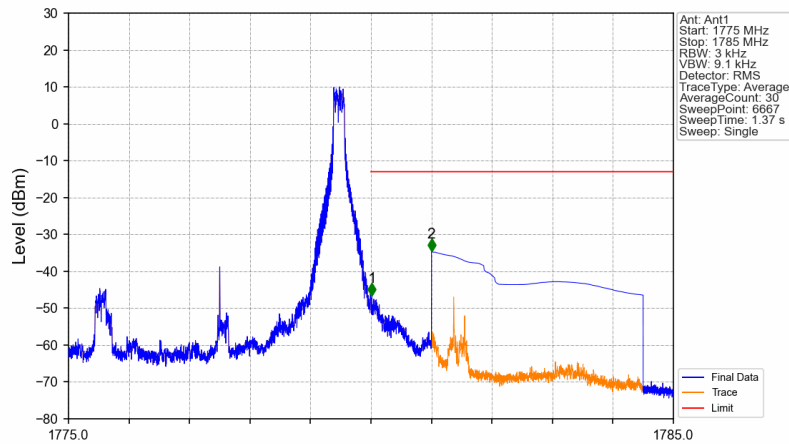
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1777.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.051	/	/	/	/	/	/
1780	1781	0.051	/	1	1780.020	-32.80	-13	Pass
1781	1785	1	CHP	2	1781.910	-27.23	-13	Pass

n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1777.5MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.017	-46.68	-13	Pass
1781	1785	1	CHP	2	1781.001	-34.64	-13	Pass

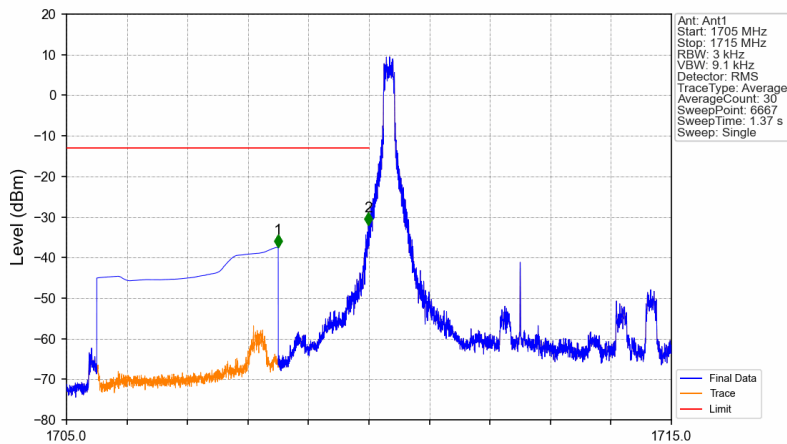


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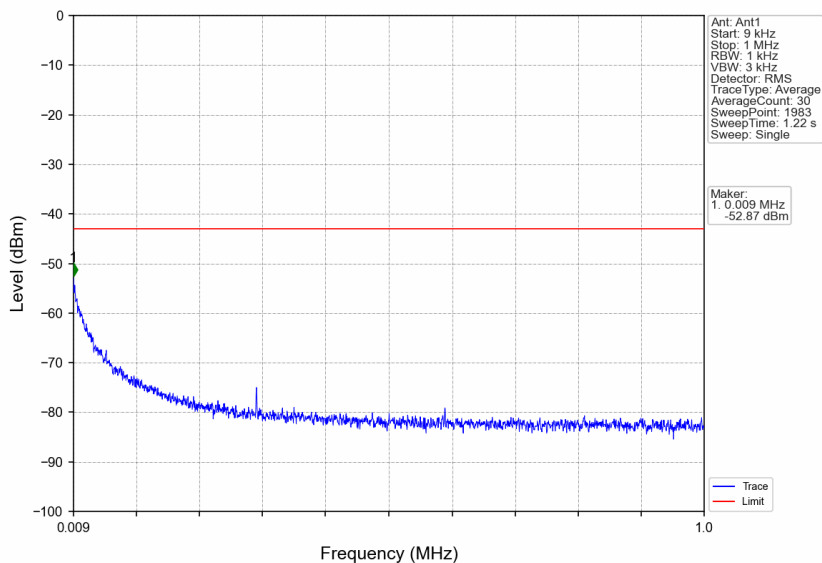
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1712.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.494	-37.48	-13	Pass
1709	1710	0.003	/	2	1709.989	-32.10	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1712.5MHz_Edge_1RB_Left

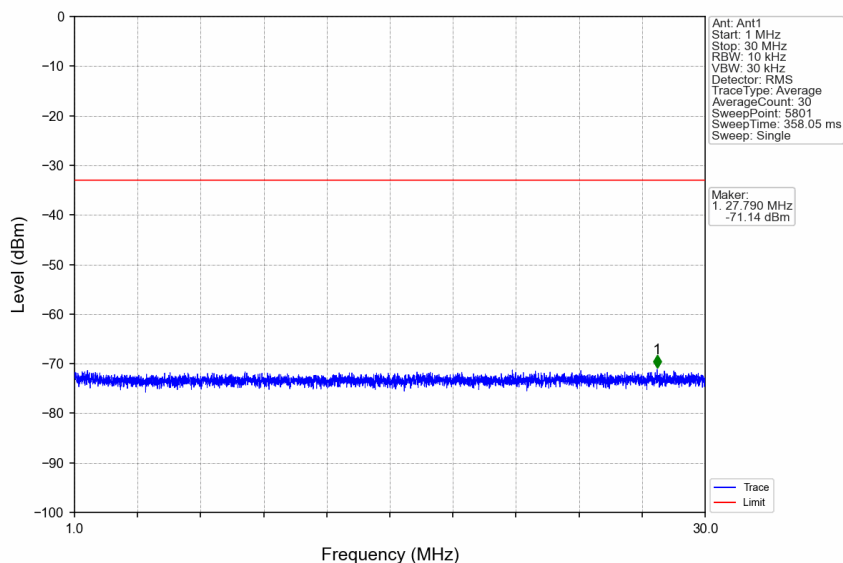


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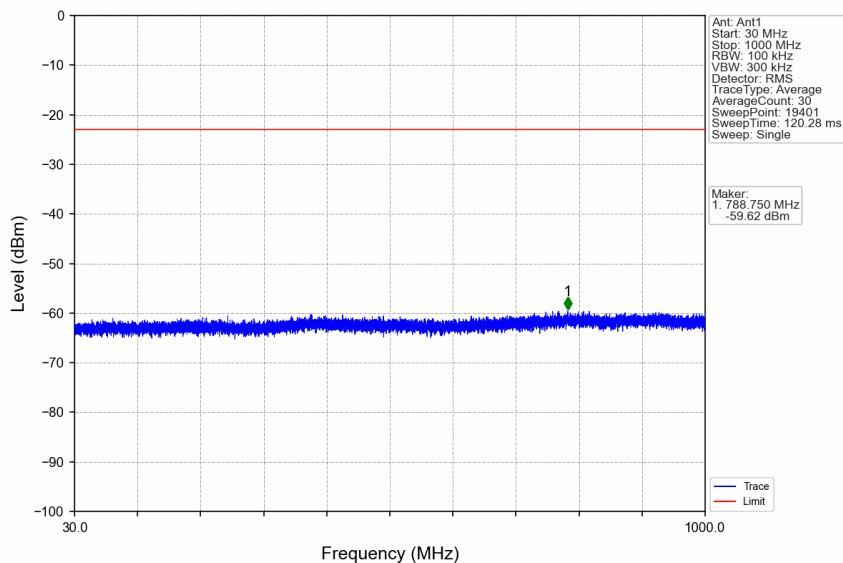
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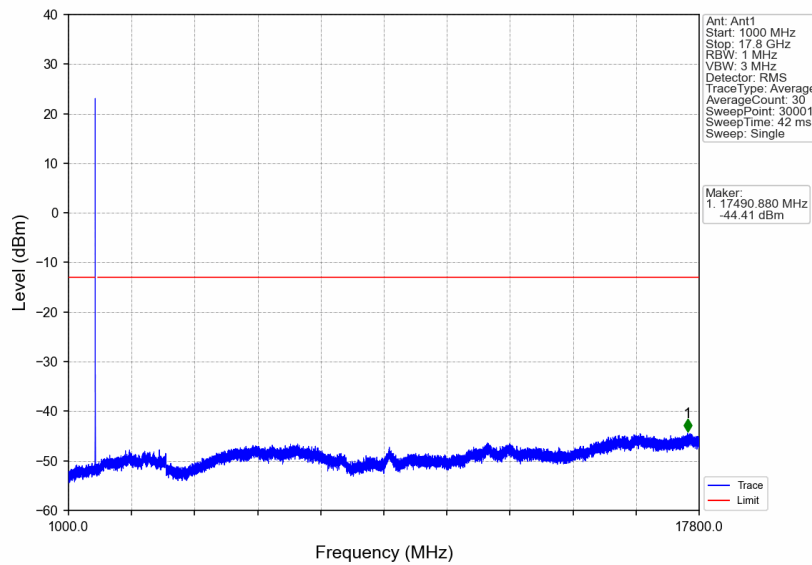
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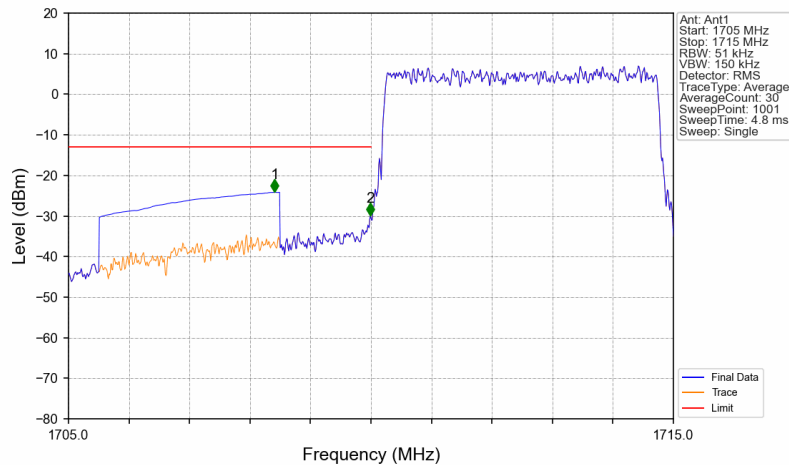
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1712.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.410	-24.17	-13	Pass
1709	1710	0.051	/	2	1709.990	-29.94	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

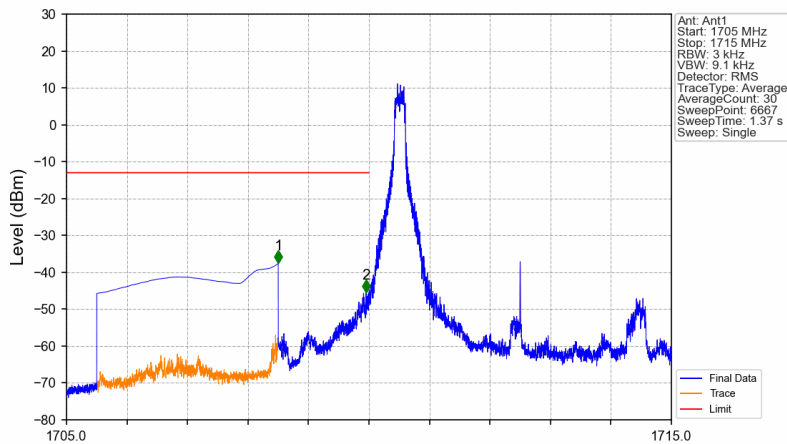


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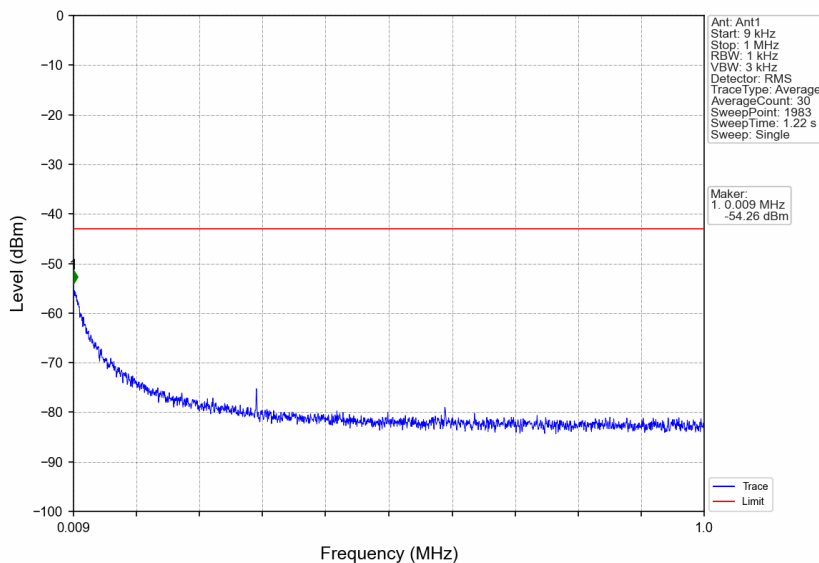
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1712.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-37.58	-13	Pass
1709	1710	0.003	/	2	1709.952	-45.48	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1745MHz_Edge_1RB_Left

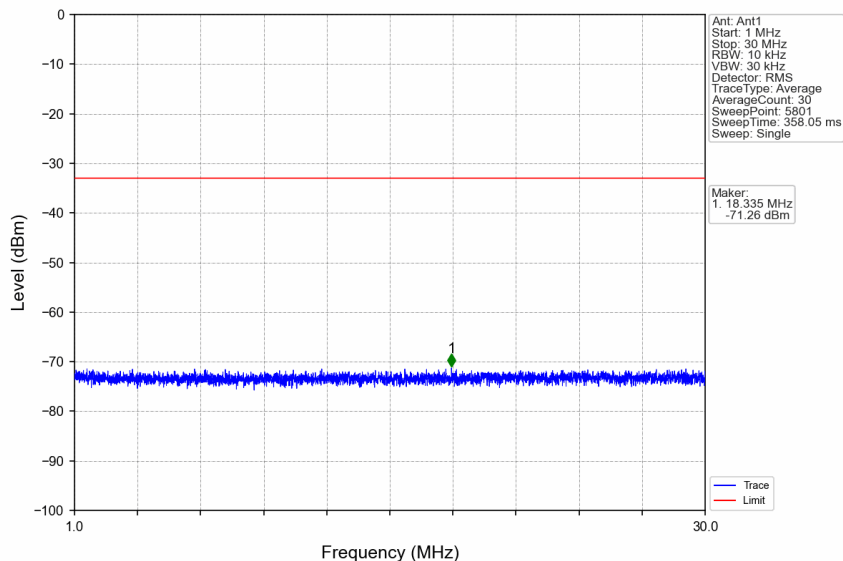


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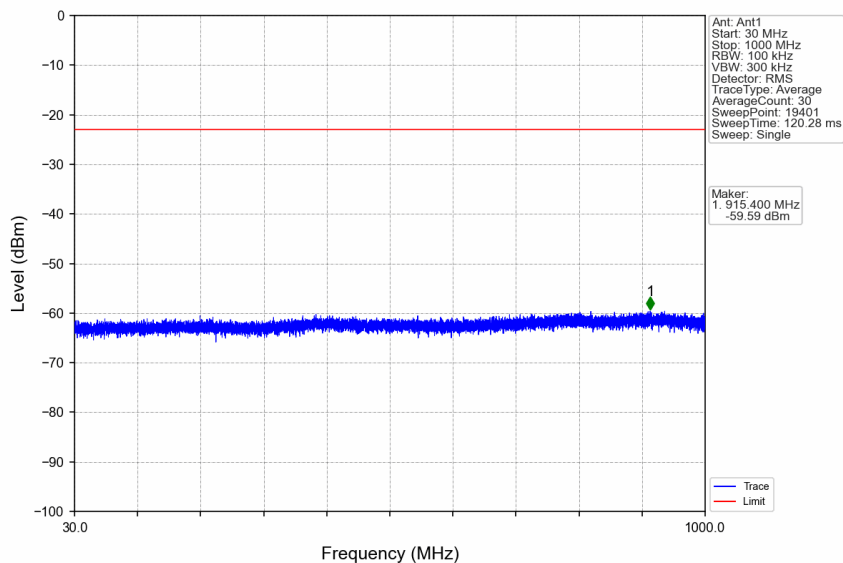
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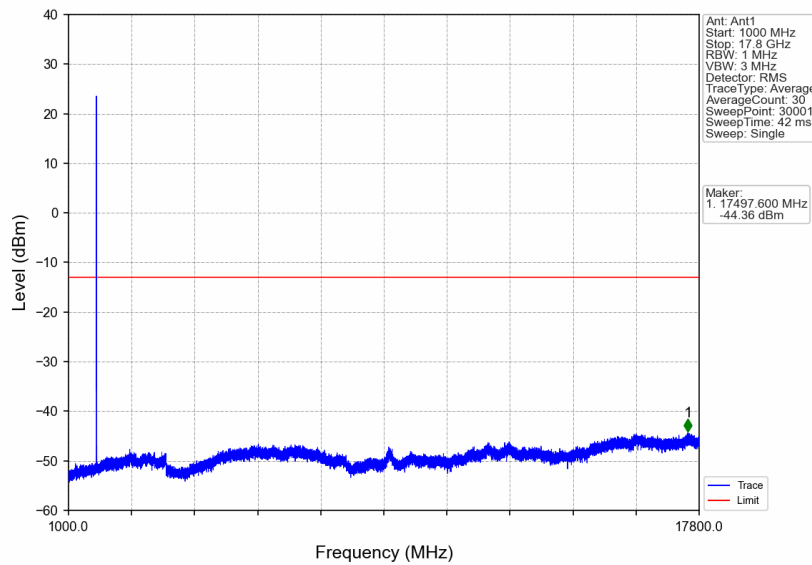


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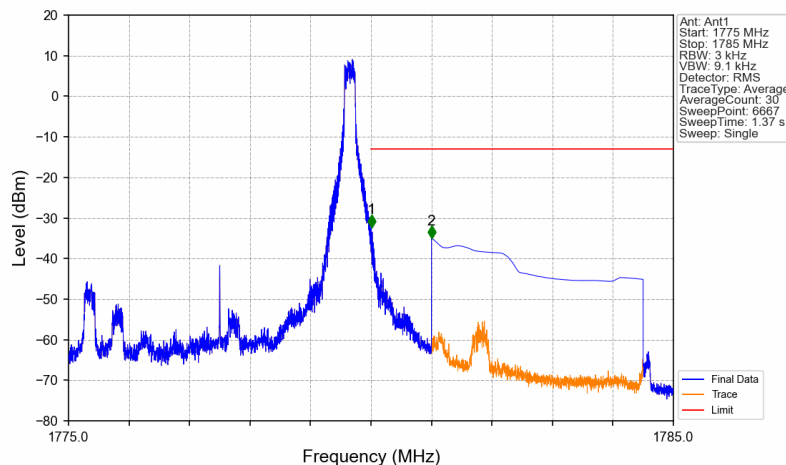
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1745MHz_Edge_1RB_Left



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1777.5MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.006	-32.31	-13	Pass
1781	1785	1	CHP	2	1781.001	-34.97	-13	Pass

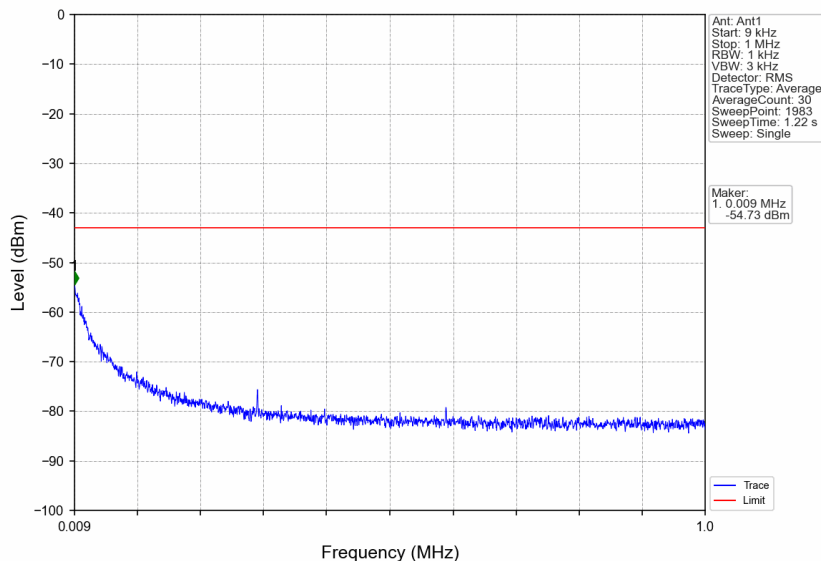


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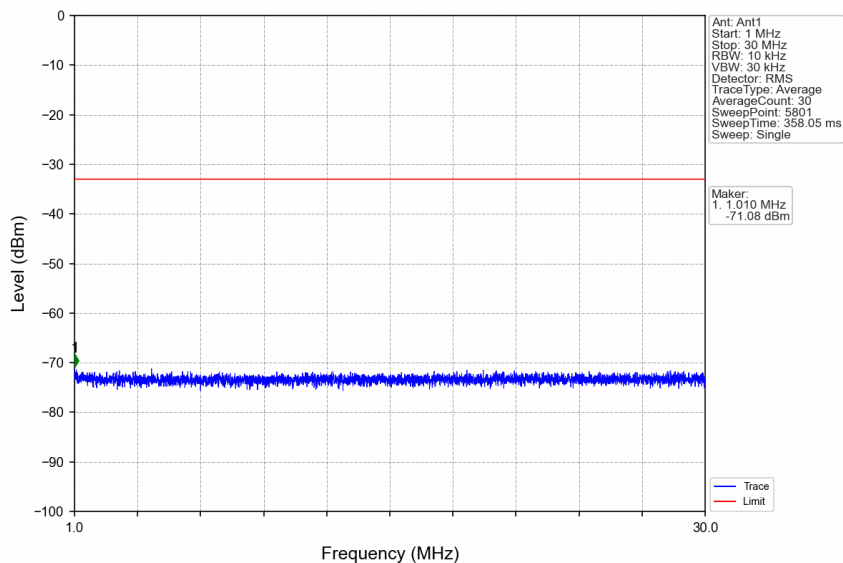
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1777.5MHz_Edge_1RB_Right



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1777.5MHz_Edge_1RB_Right



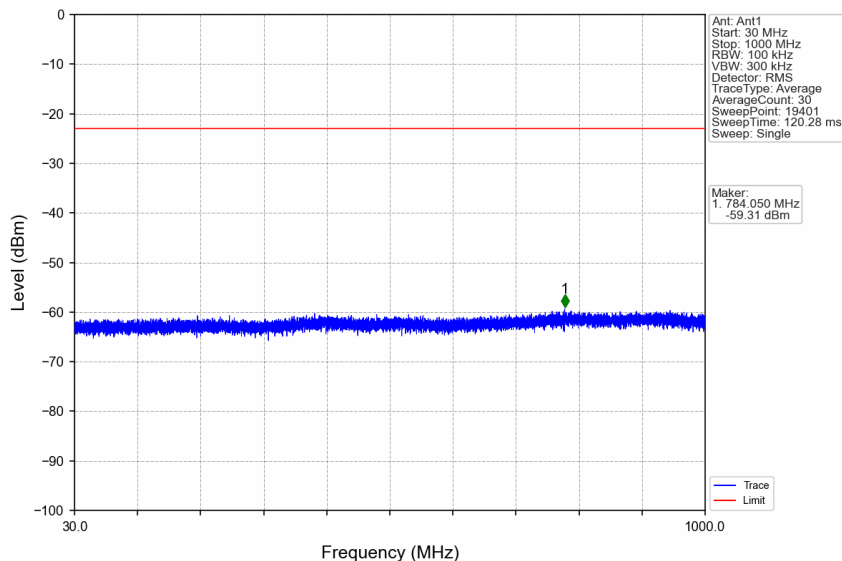
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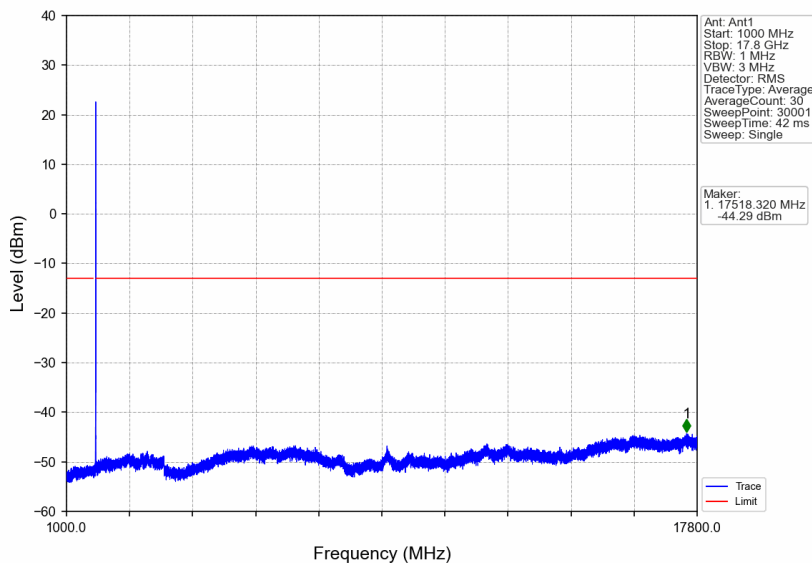
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Wireless Laboratory

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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_1777.5MHz_Edge_1RB_Right



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_1777.5MHz_Edge_1RB_Right

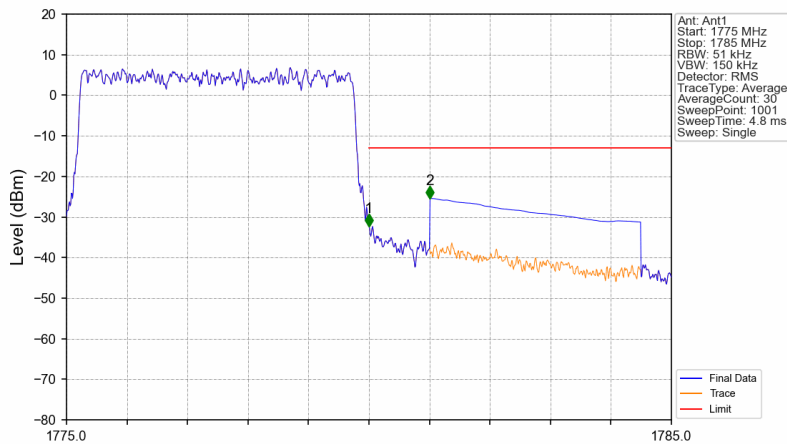


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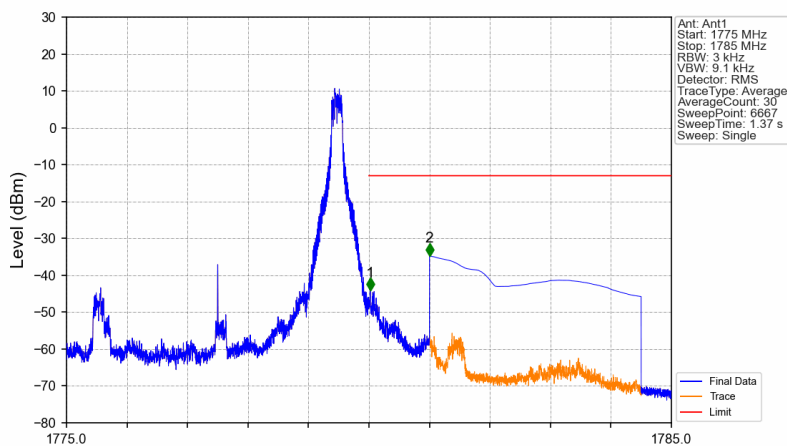
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1777.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.051	/	/	/	/	/	/
1780	1781	0.051	/	1	1780.000	-32.31	-13	Pass
1781	1785	1	CHP	2	1781.010	-25.42	-13	Pass

n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1777.5MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.023	-44.12	-13	Pass
1781	1785	1	CHP	2	1781.001	-34.73	-13	Pass

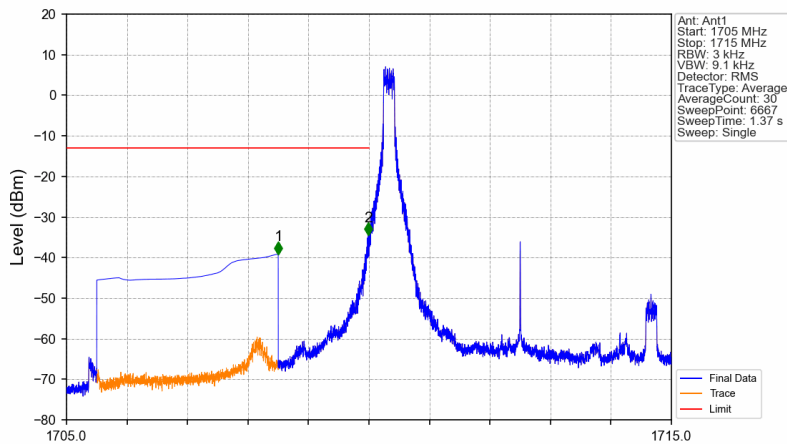


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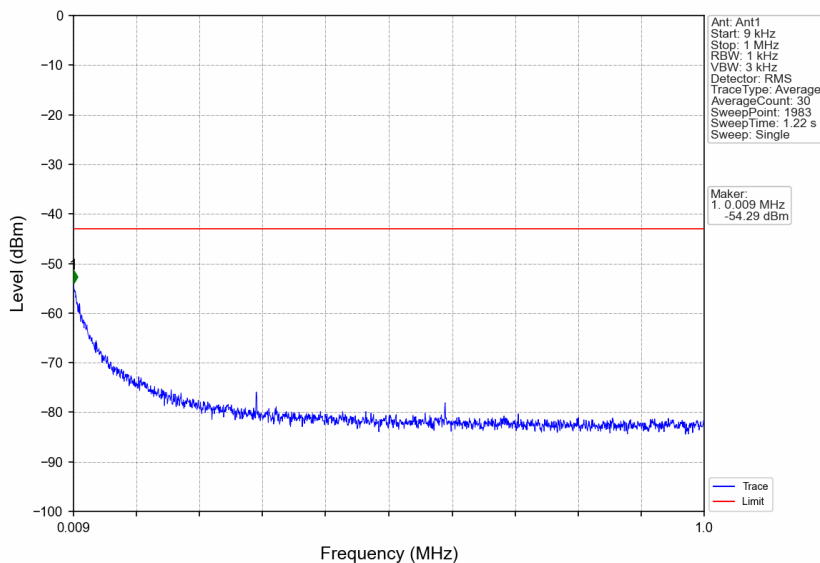
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n66_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1712.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-39.17	-13	Pass
1709	1710	0.003	/	2	1709.989	-34.53	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

n66_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1712.5MHz_Edge_1RB_Left

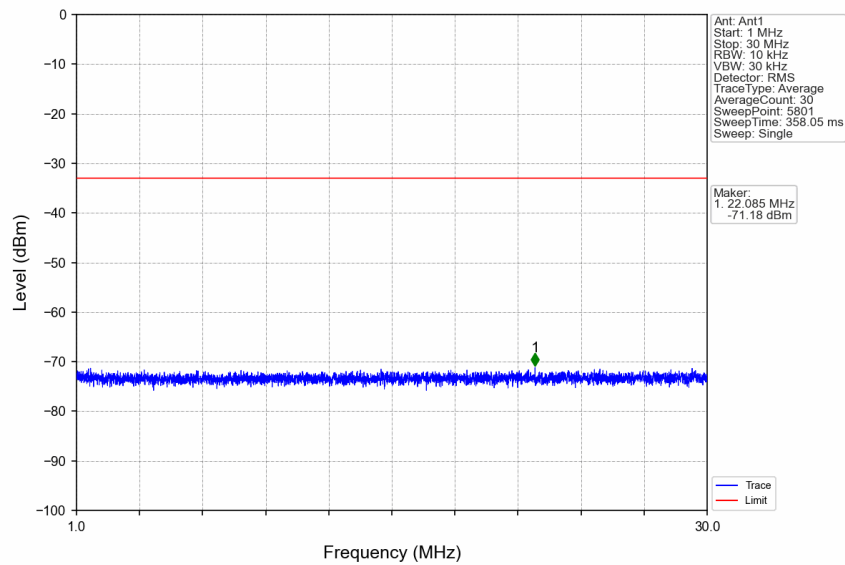


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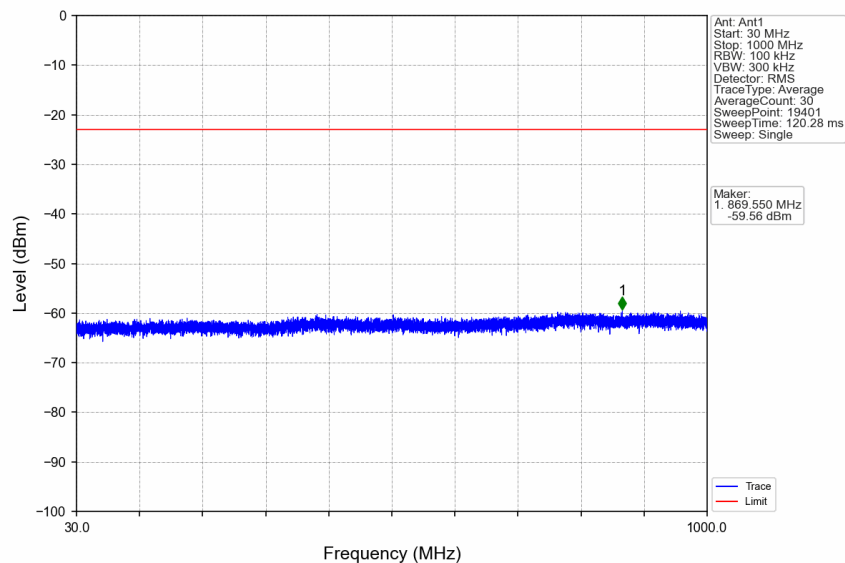
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n66_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1712.5MHz_Edge_1RB_Left

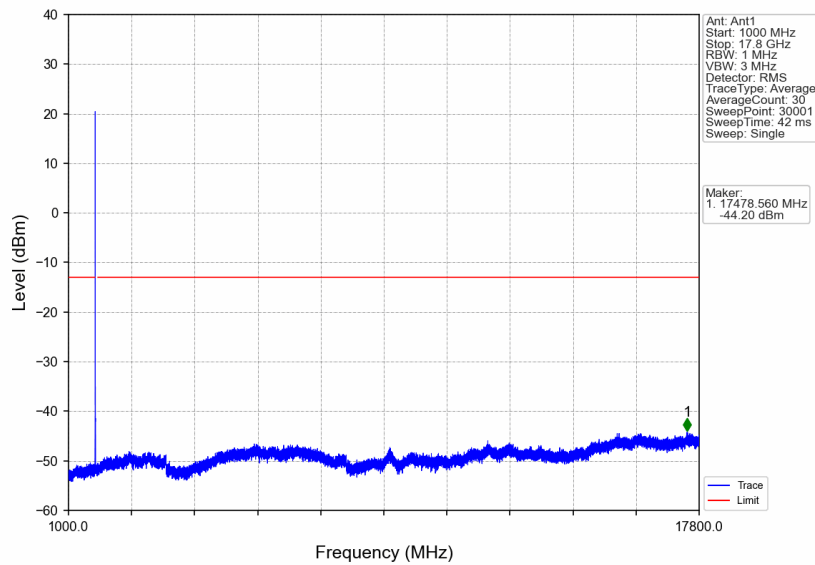


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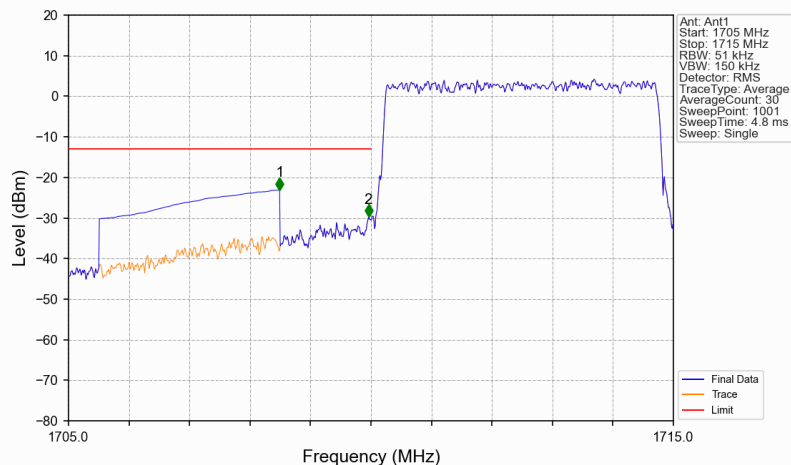
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n66_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1712.5MHz_Edge_1RB_Left



n66_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1712.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-23.13	-13	Pass
1709	1710	0.051	/	2	1709.960	-29.72	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

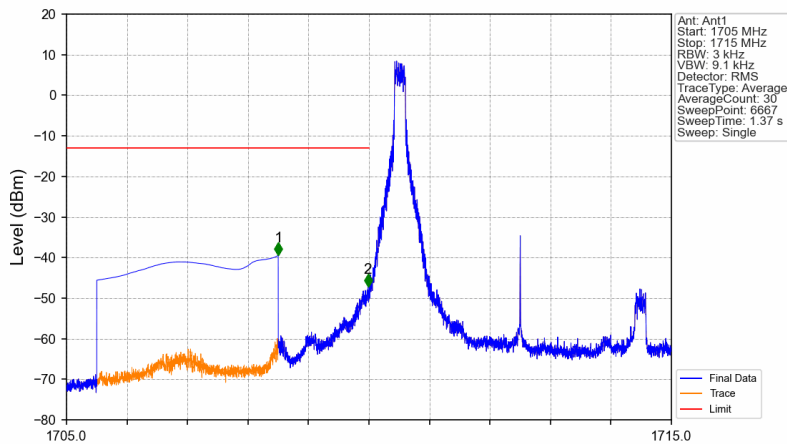


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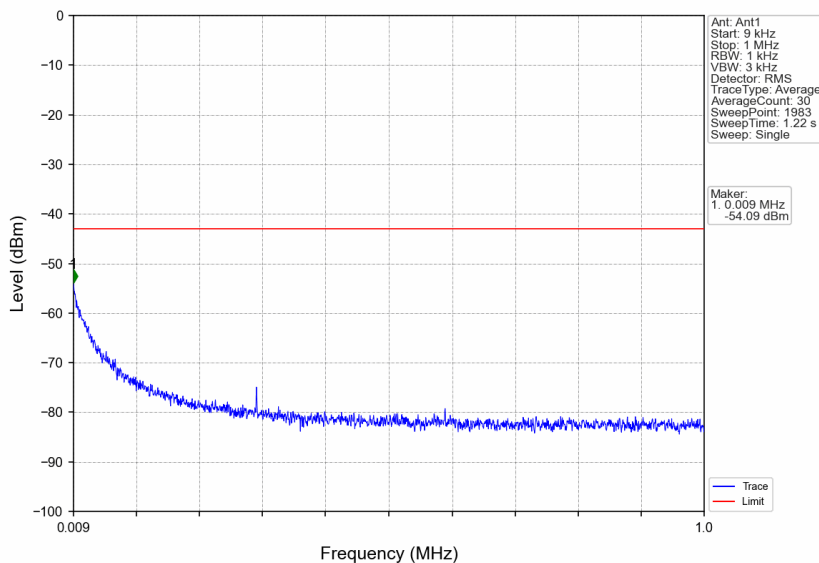
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n66_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1712.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-39.45	-13	Pass
1709	1710	0.003	/	2	1709.983	-47.15	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

n66_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1745MHz_Edge_1RB_Left

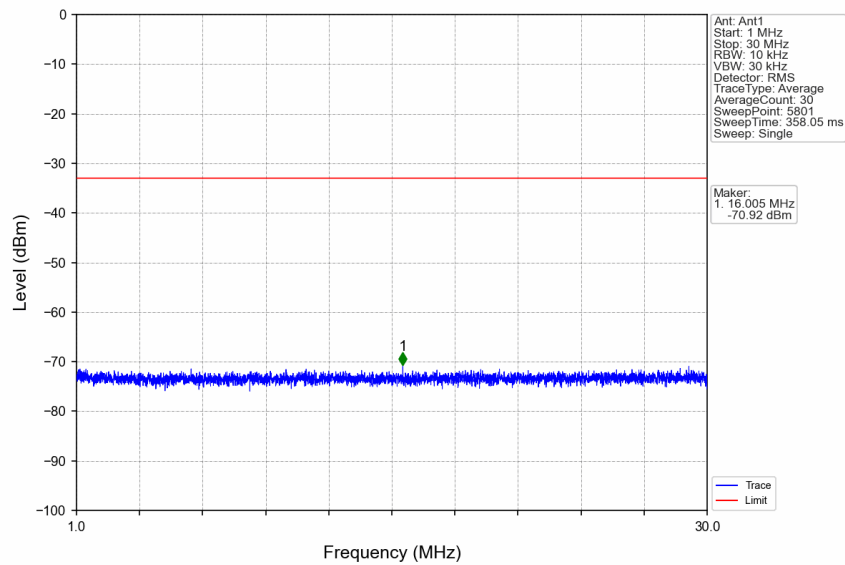


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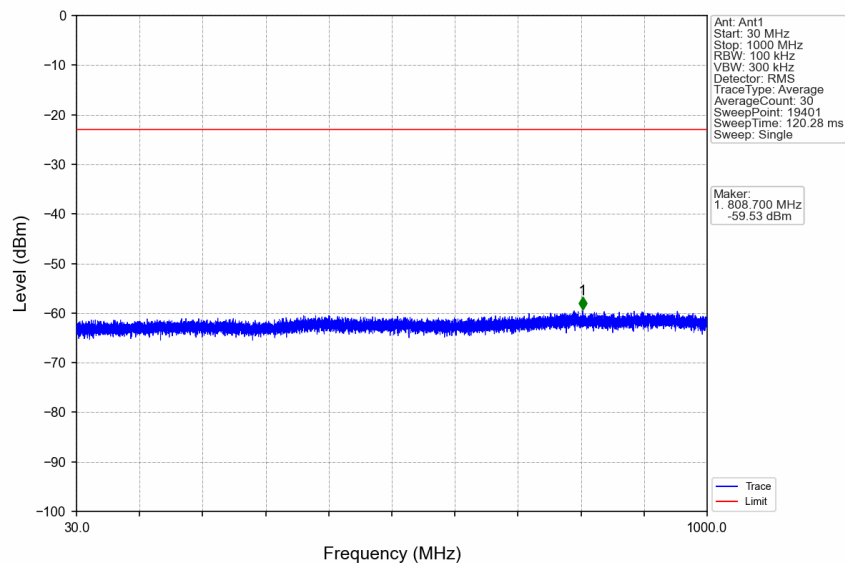
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n66_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1745MHz_Edge_1RB_Left



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