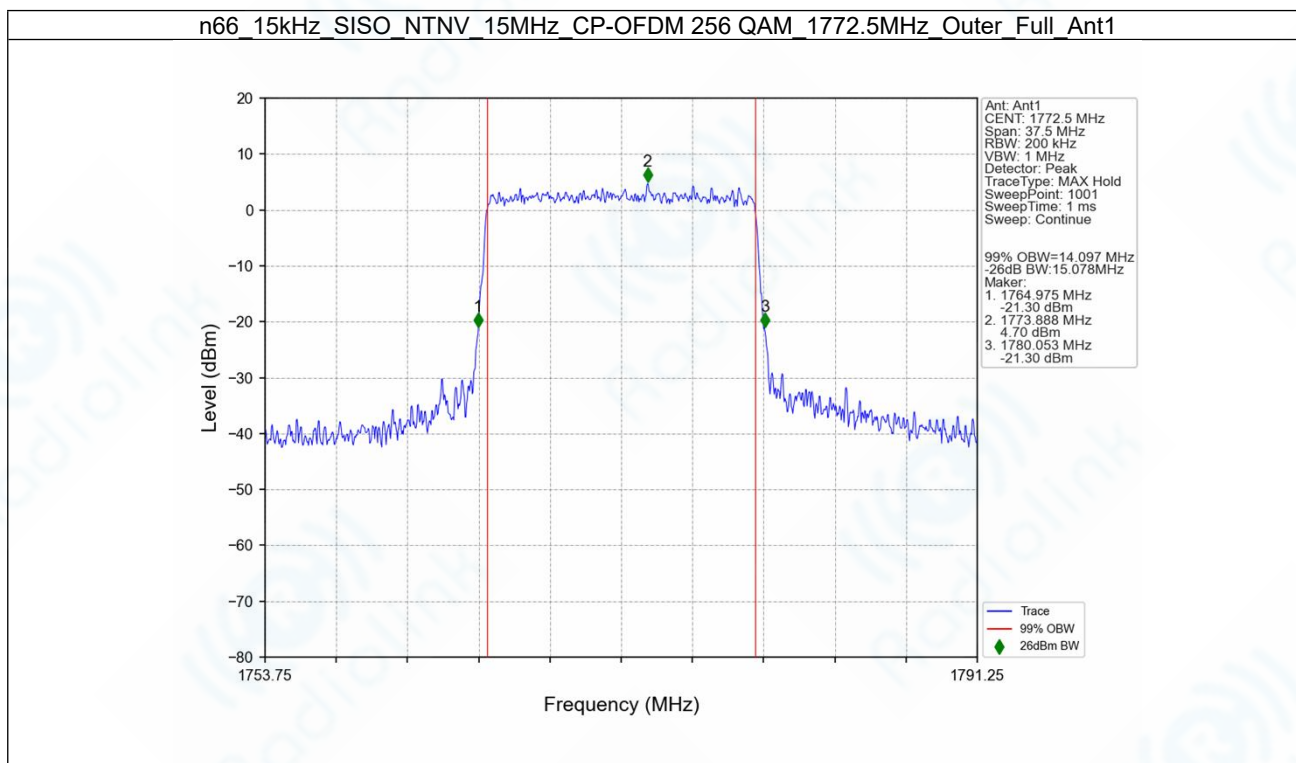
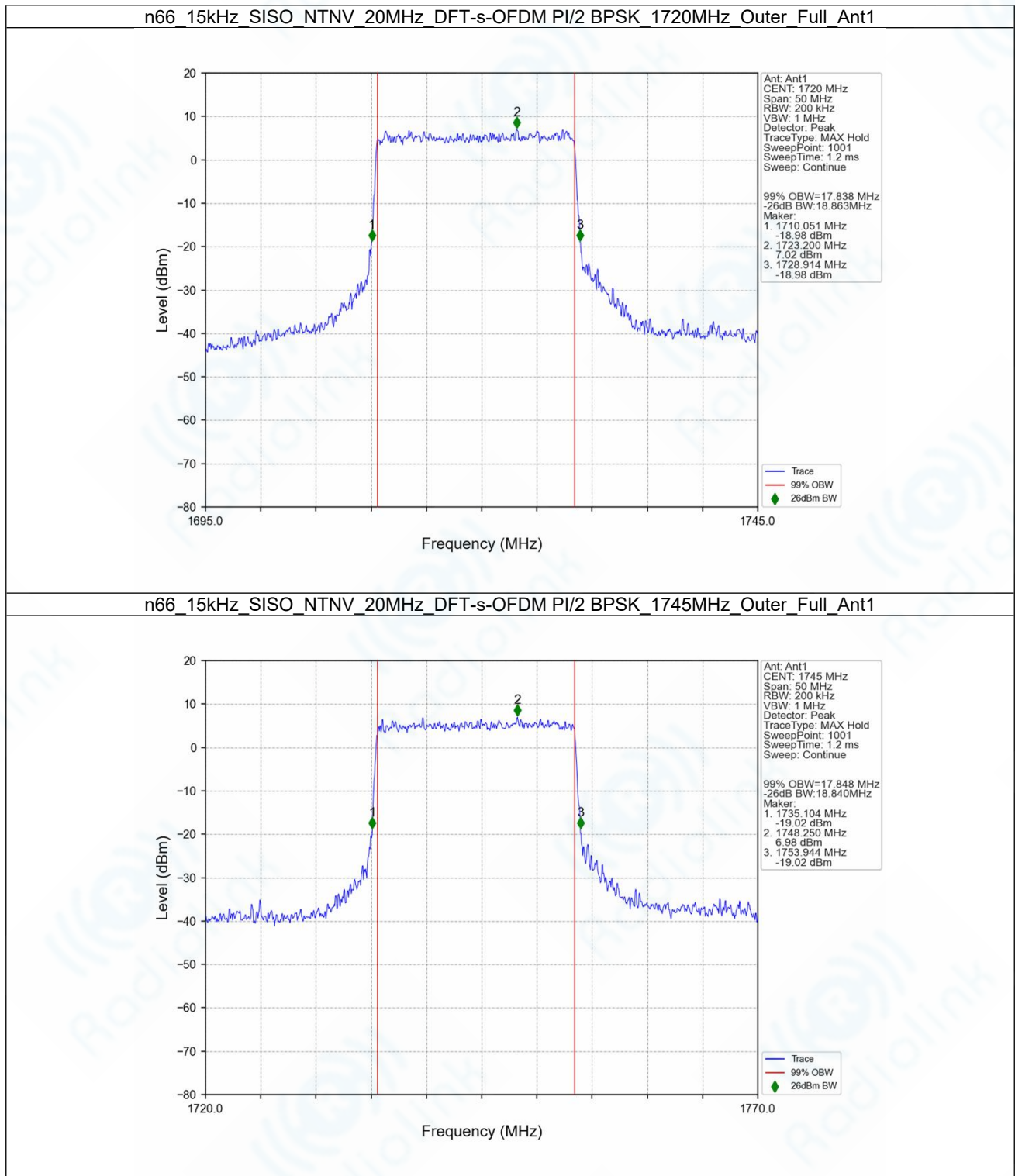




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3.2.4 15_S_20M_NTNV

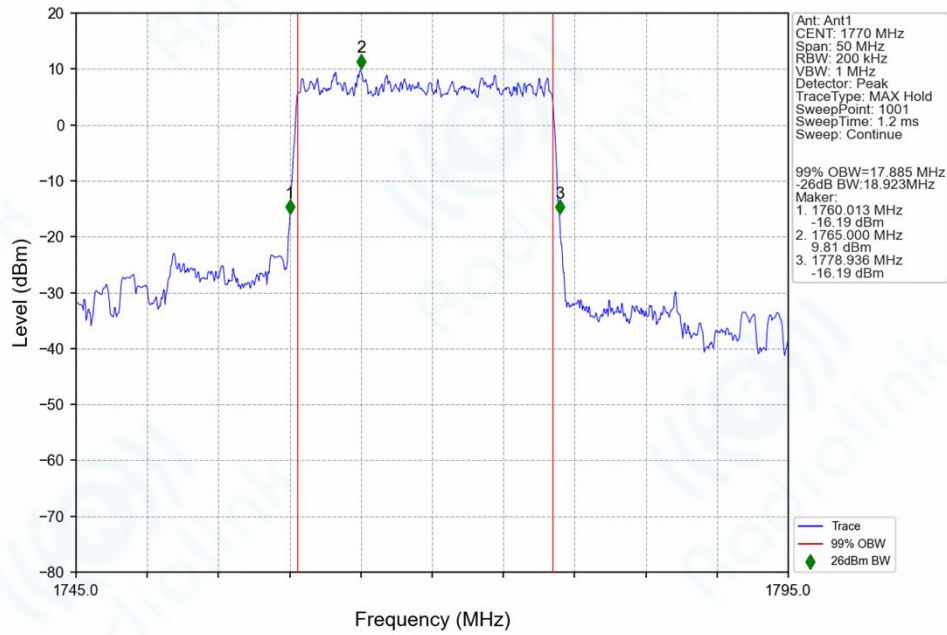


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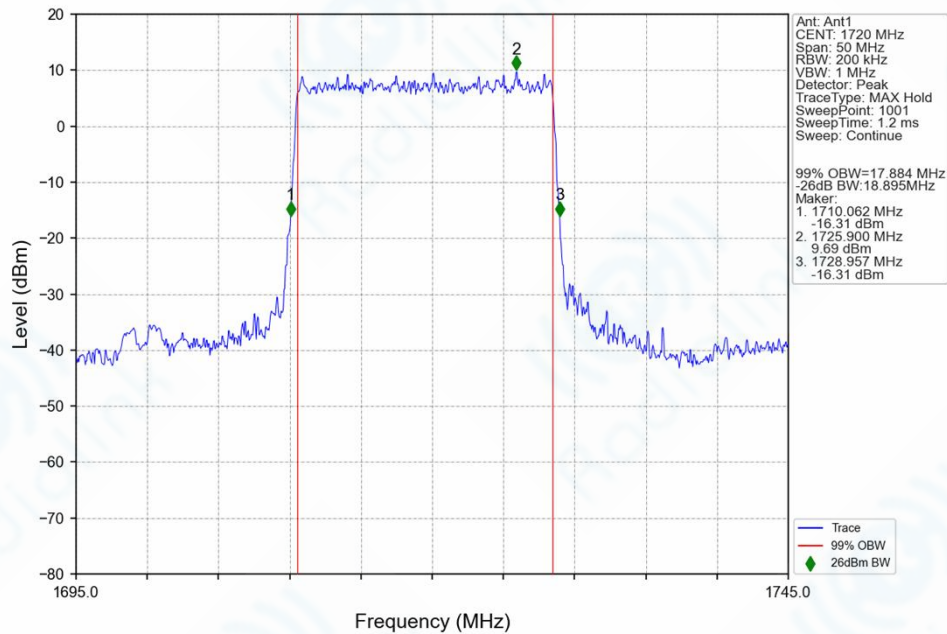
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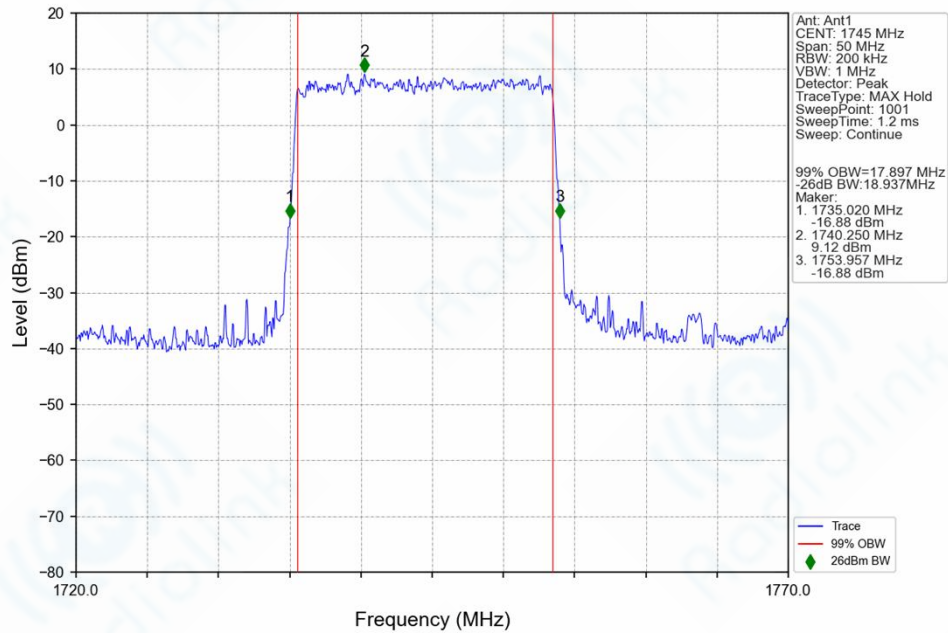
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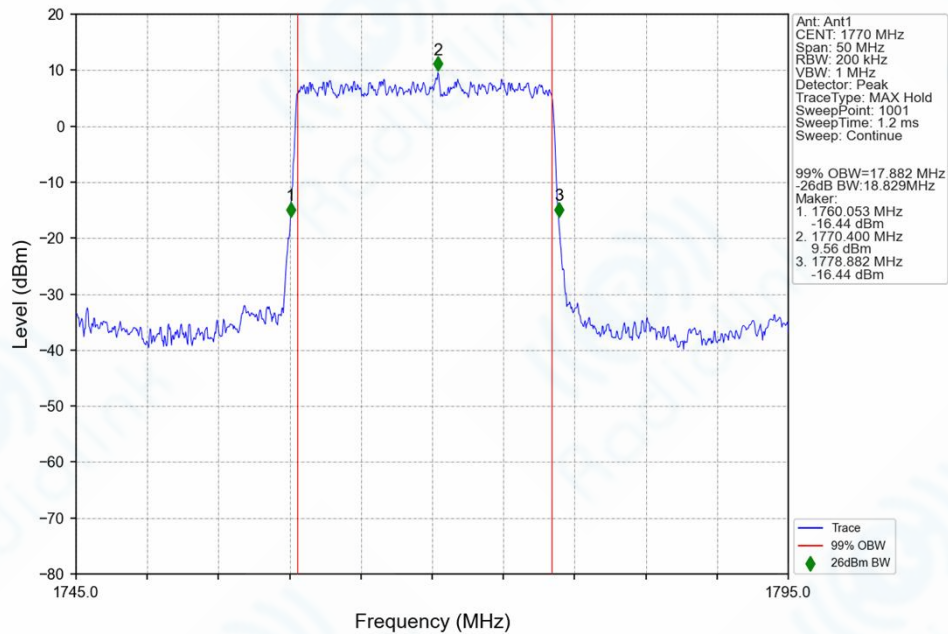
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n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_1745MHz_Outer_Full_Ant1



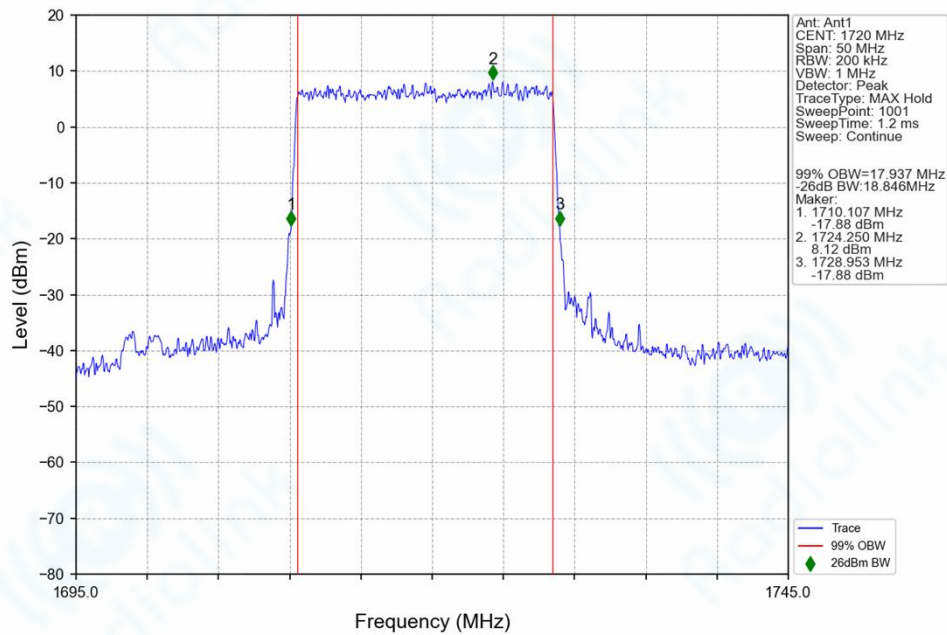
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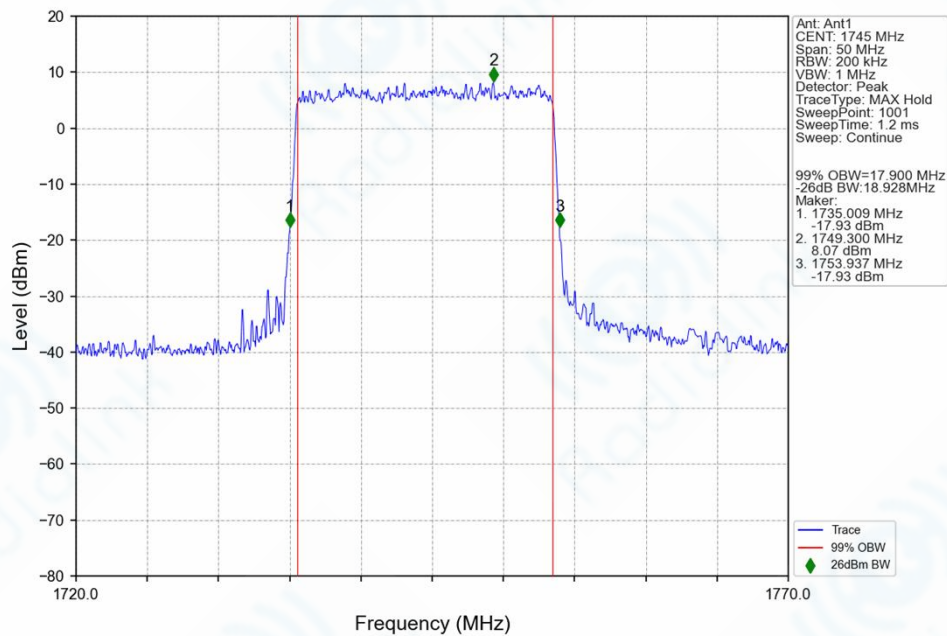
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n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1720MHz_Outer_Full_Ant1

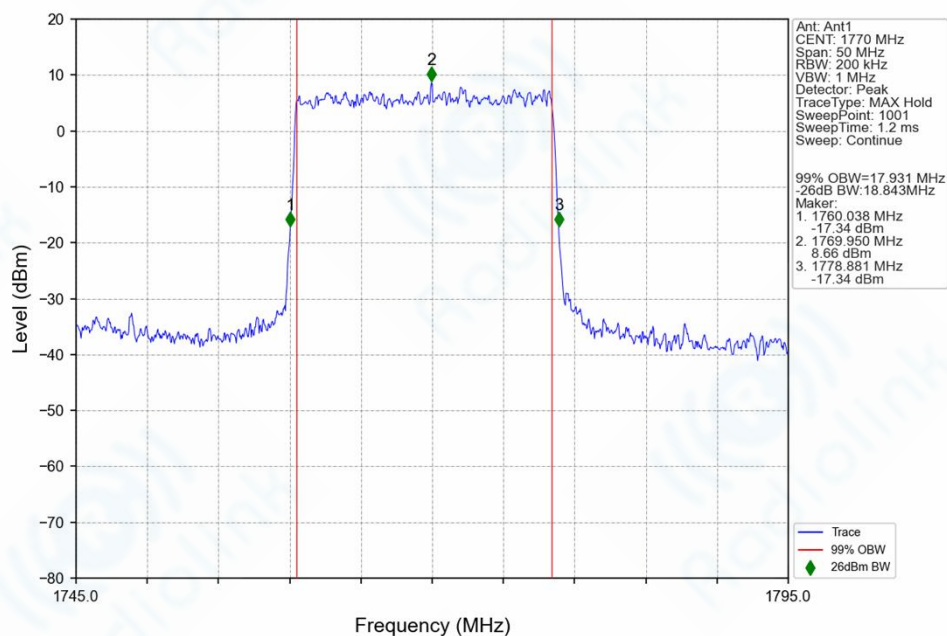


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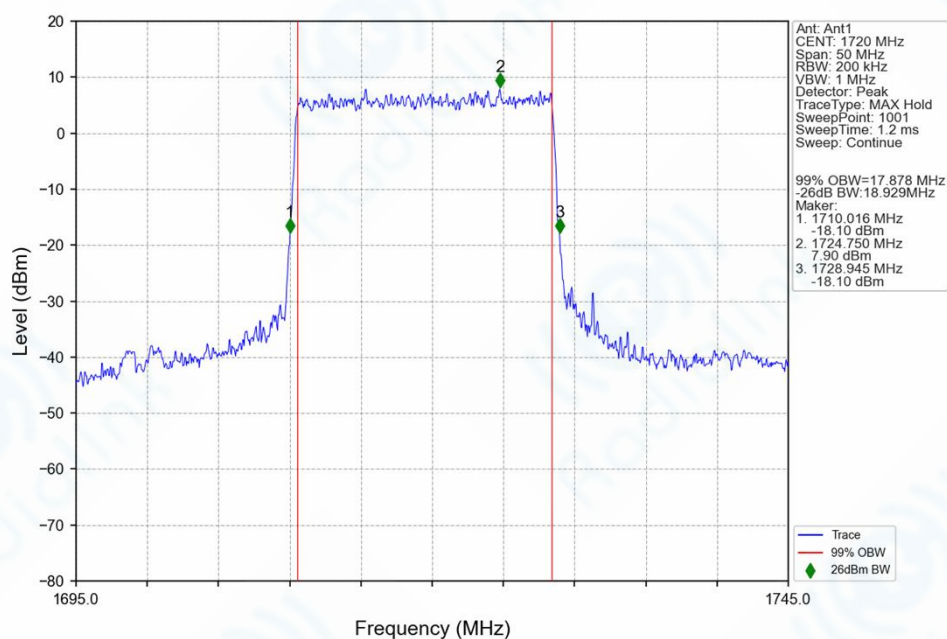

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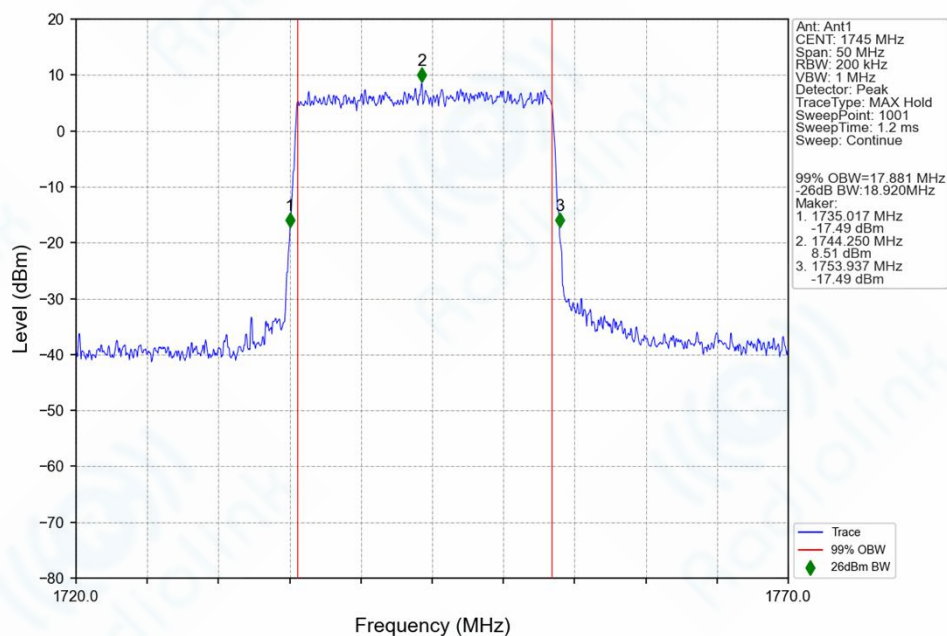
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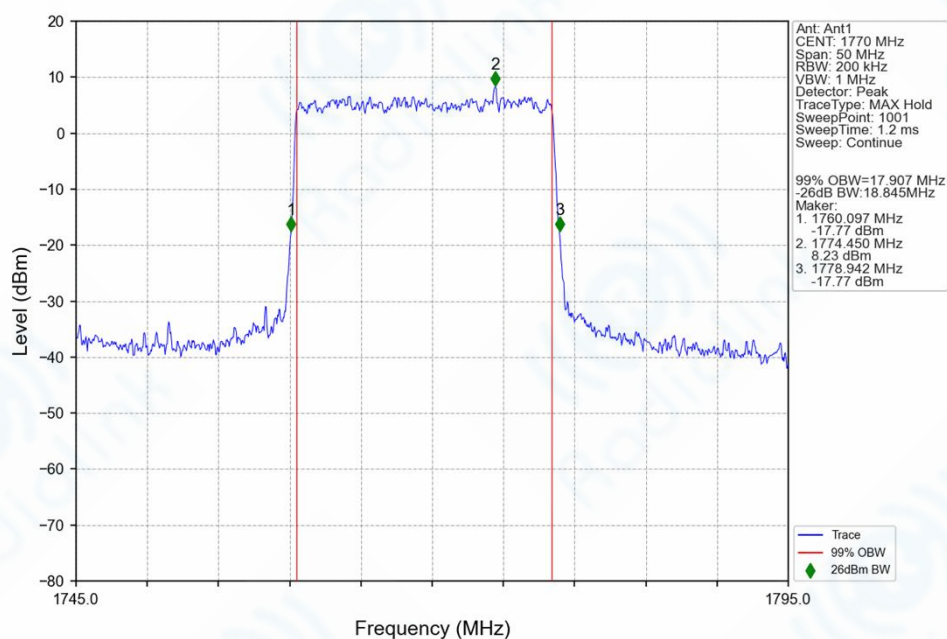
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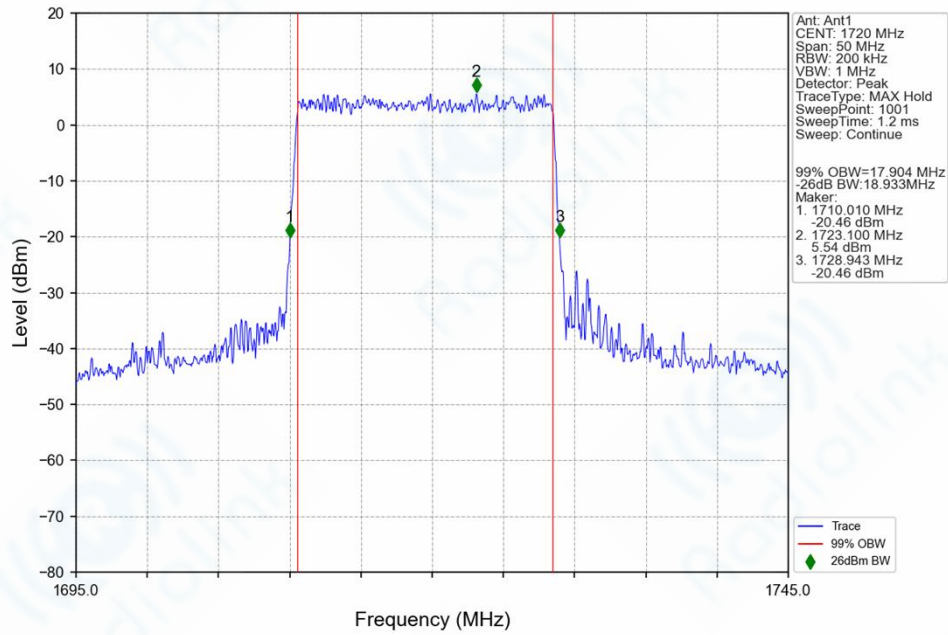


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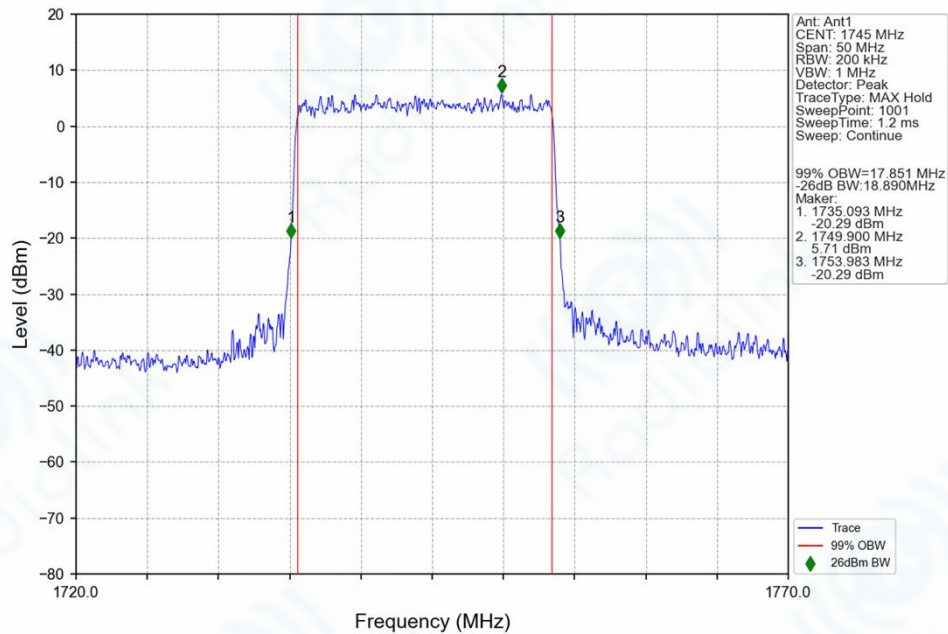

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n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_1720MHz_Outer_Full_Ant1



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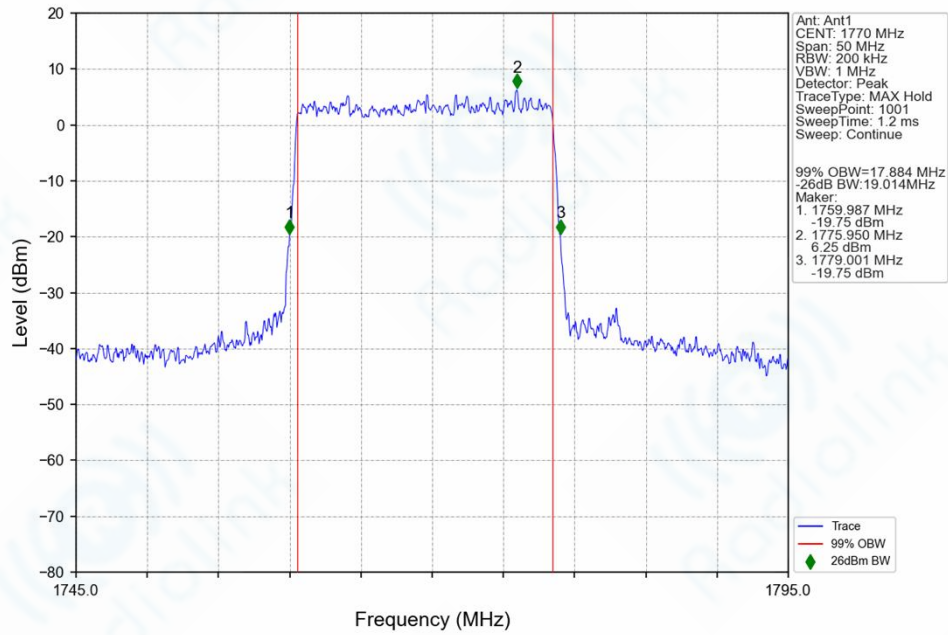


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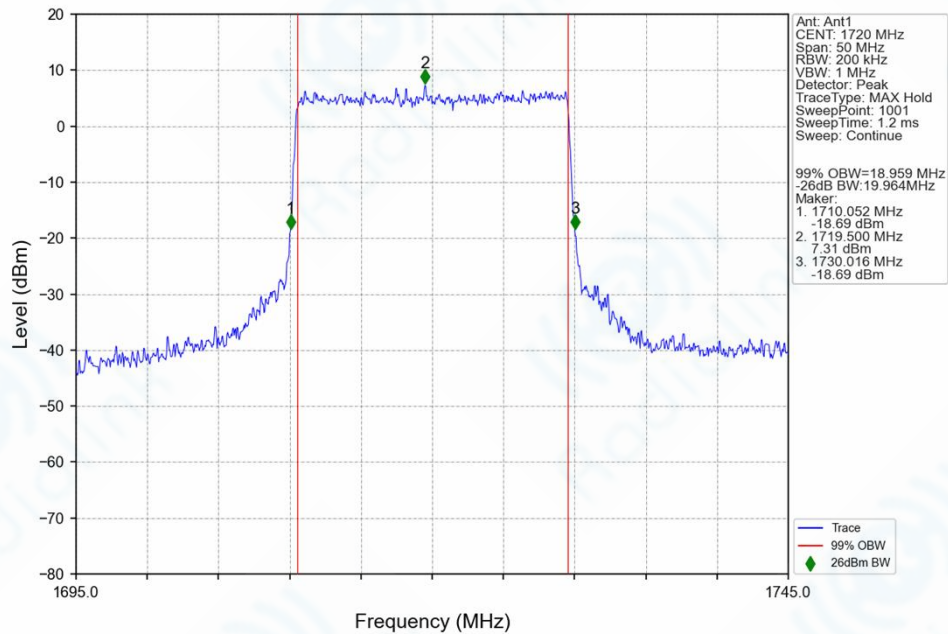
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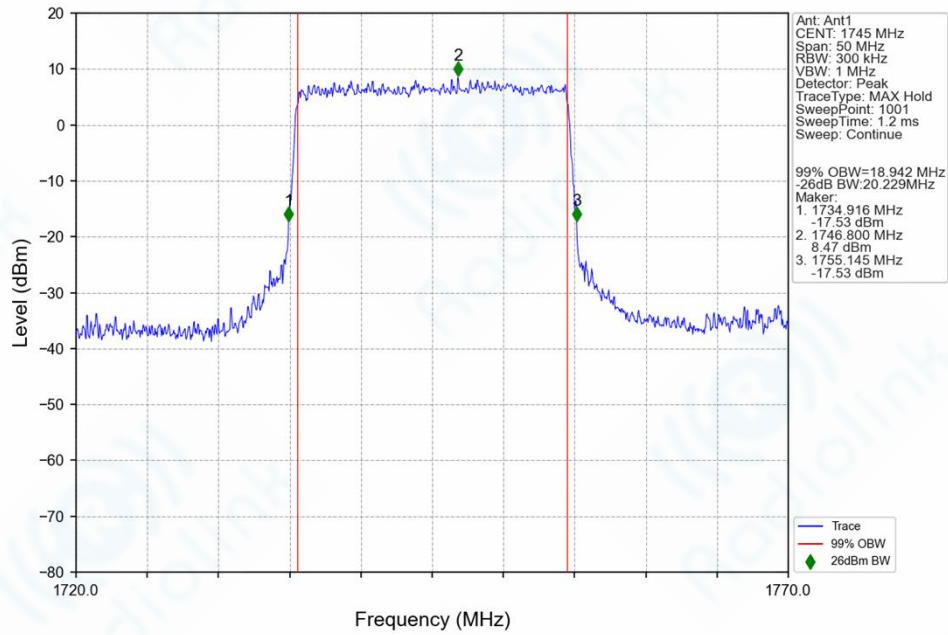
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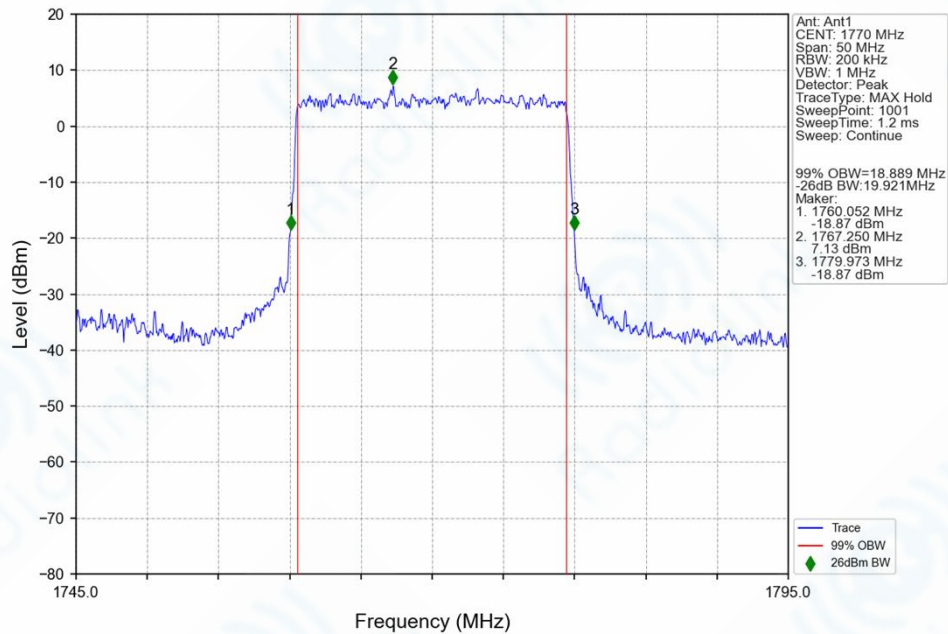
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n66_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_1745MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_1770MHz_Outer_Full_Ant1

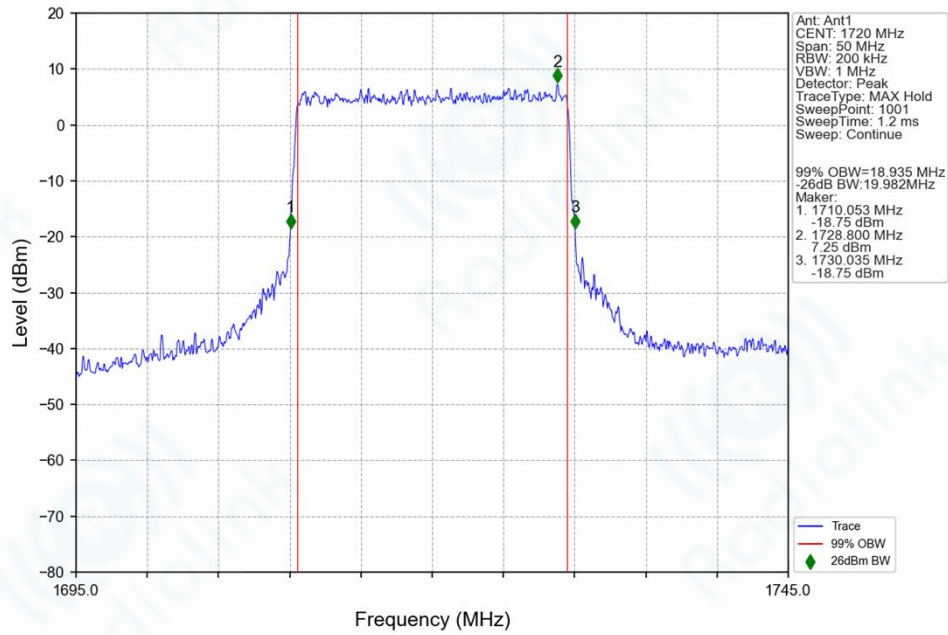


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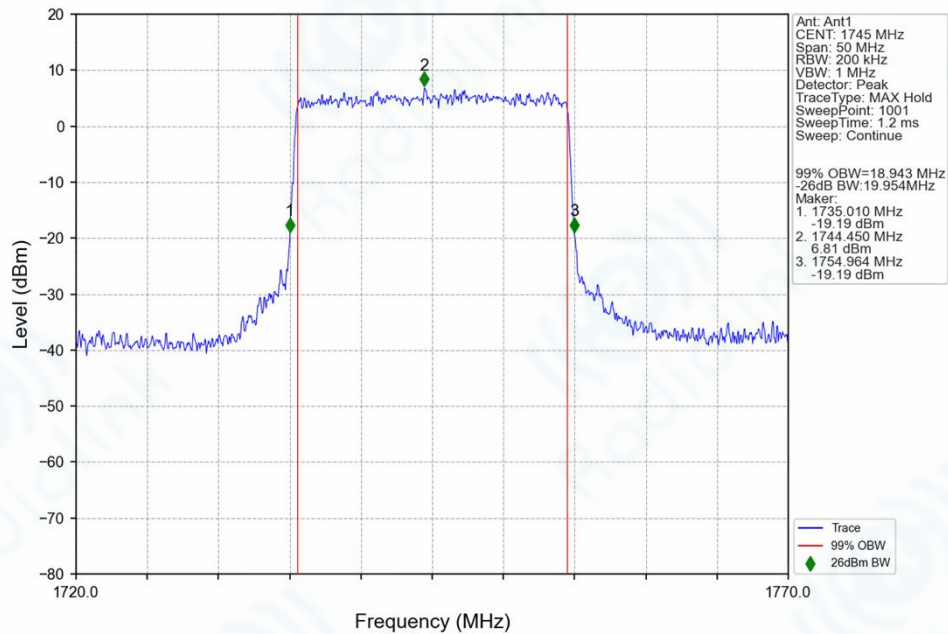
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n66_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_1720MHz_Outer_Full_Ant1



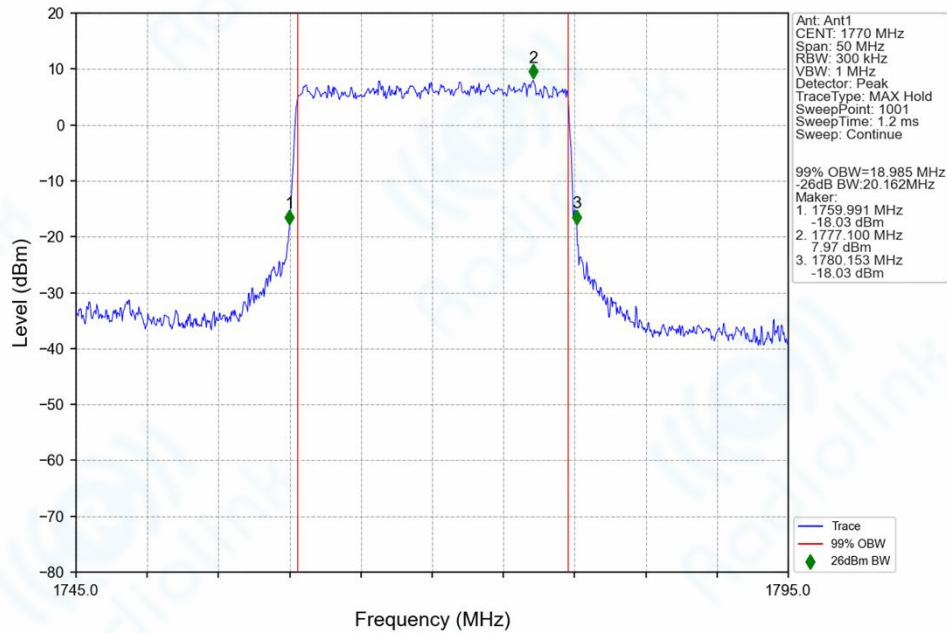
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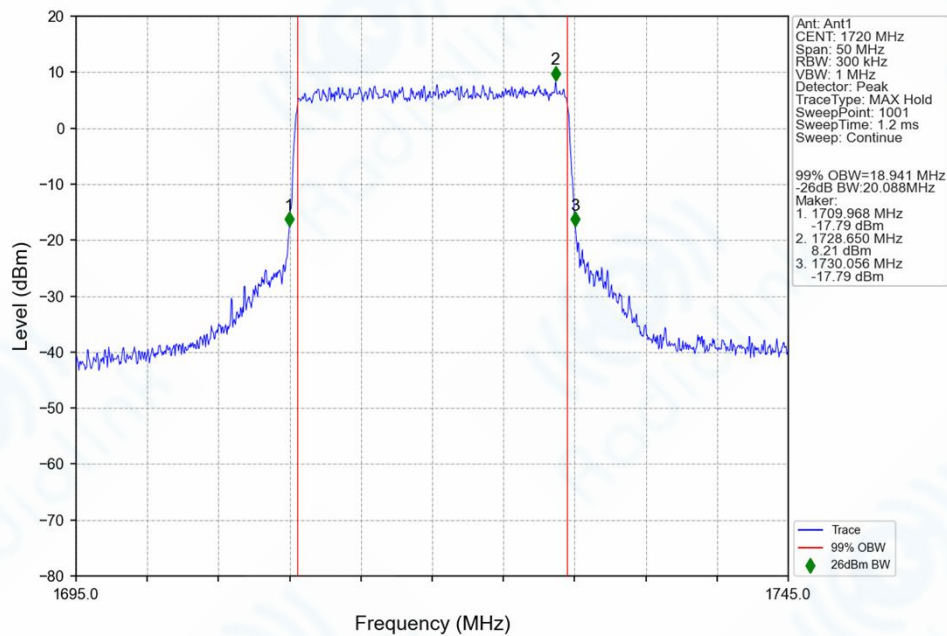
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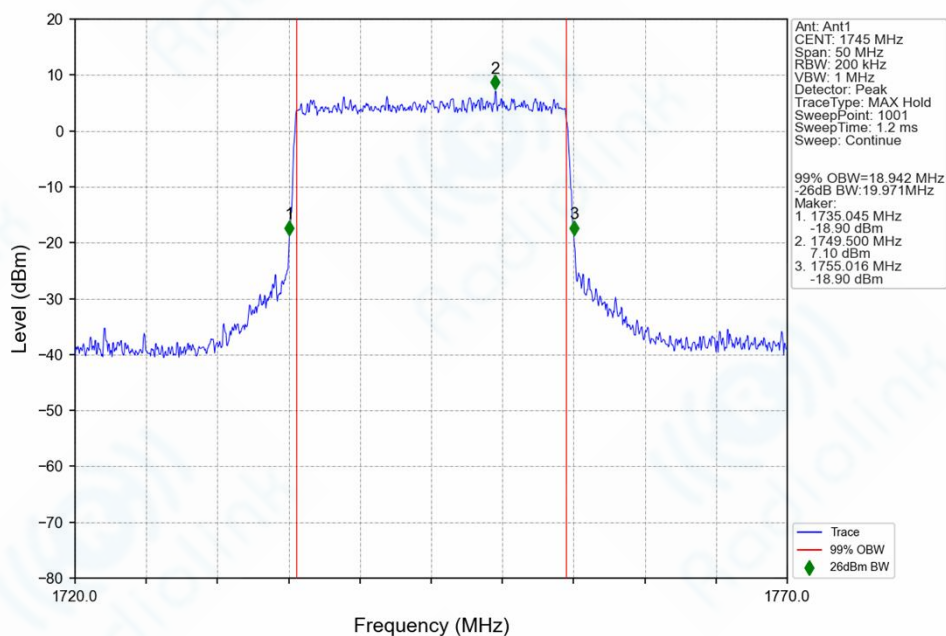
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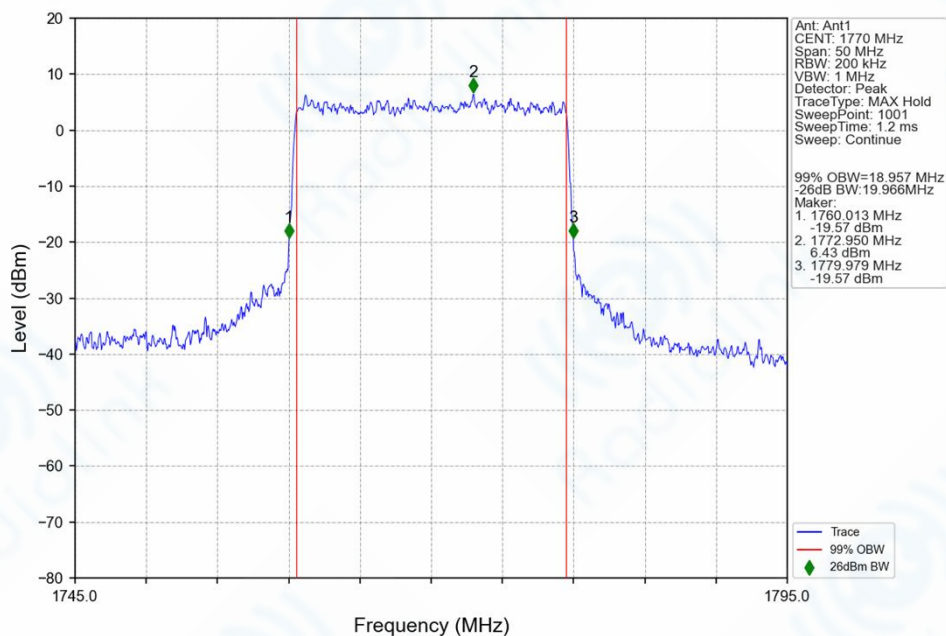
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n66_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_1745MHz_Outer_Full_Ant1



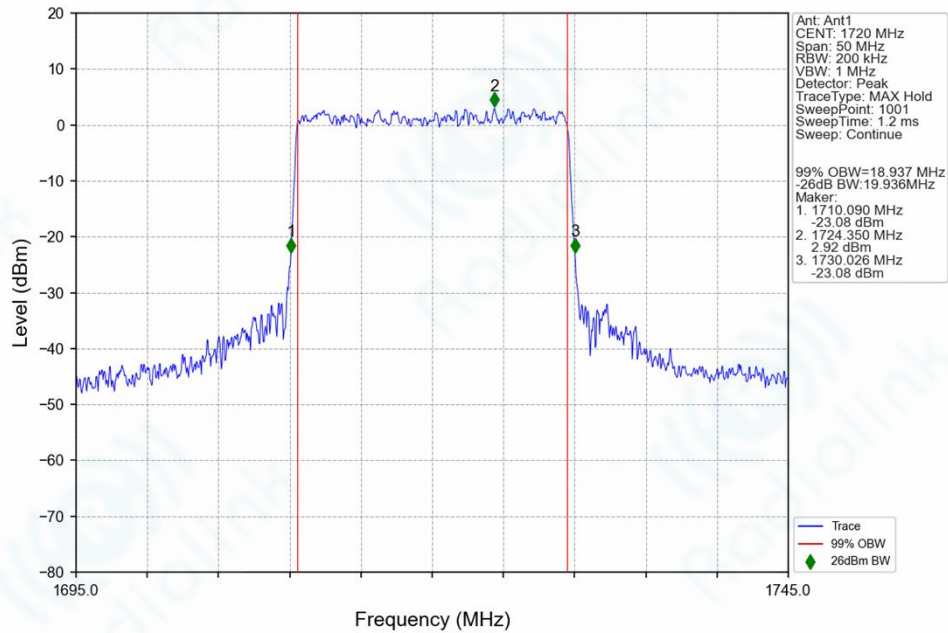
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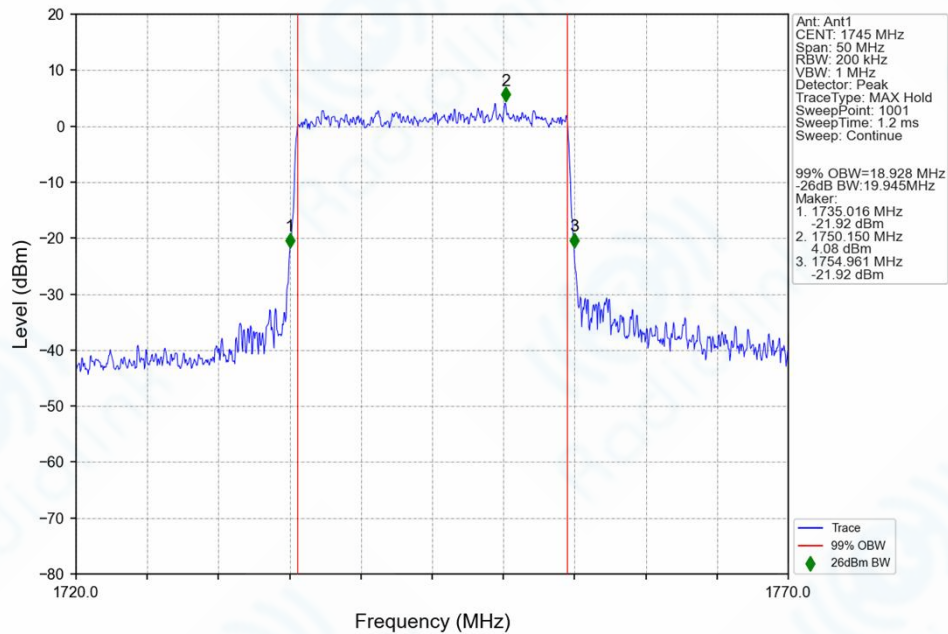
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n66_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_1720MHz_Outer_Full_Ant1

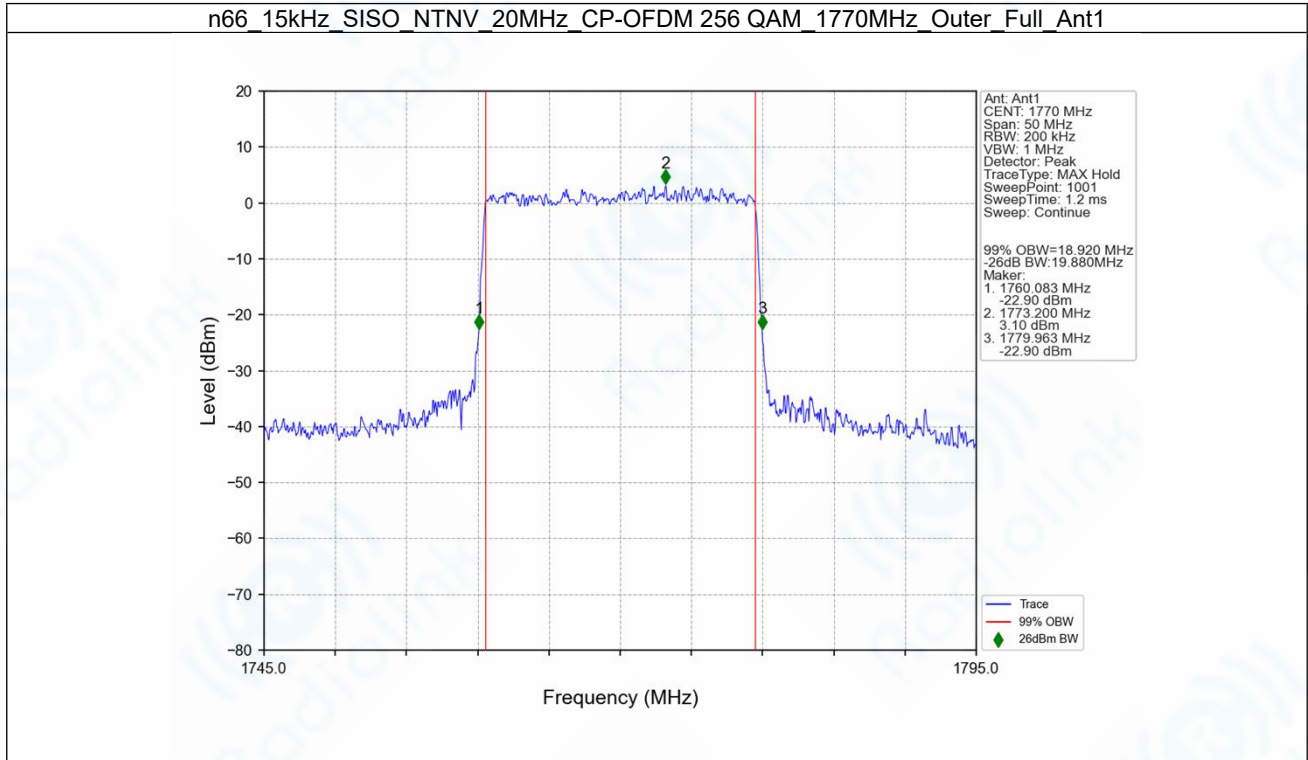


n66_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_1745MHz_Outer_Full_Ant1



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4. Peak-Average Ratio

4.1 Test Result

4.1.1 15_S_5M_NTNV

5G NR n66 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1712.5	Outer_Full	3.03	/	/	<=13	Pass
	1745	Outer_Full	3.04	/	/	<=13	Pass
	1777.5	Outer_Full	3.51	/	/	<=13	Pass
DFT-s-OFDM QPSK	1712.5	Outer_Full	4.46	/	/	<=13	Pass
	1745	Outer_Full	4.44	/	/	<=13	Pass
	1777.5	Outer_Full	4.47	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1712.5	Outer_Full	5.44	/	/	<=13	Pass
	1745	Outer_Full	5.46	/	/	<=13	Pass
	1777.5	Outer_Full	5.47	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1712.5	Outer_Full	5.99	/	/	<=13	Pass
	1745	Outer_Full	5.98	/	/	<=13	Pass
	1777.5	Outer_Full	5.96	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1712.5	Outer_Full	6.30	/	/	<=13	Pass
	1745	Outer_Full	6.25	/	/	<=13	Pass
	1777.5	Outer_Full	6.25	/	/	<=13	Pass
CP-OFDM QPSK	1712.5	Outer_Full	6.58	/	/	<=13	Pass
	1745	Outer_Full	6.58	/	/	<=13	Pass
	1777.5	Outer_Full	6.60	/	/	<=13	Pass
CP-OFDM 16 QAM	1712.5	Outer_Full	6.58	/	/	<=13	Pass
	1745	Outer_Full	6.58	/	/	<=13	Pass
	1777.5	Outer_Full	6.60	/	/	<=13	Pass
CP-OFDM 64 QAM	1712.5	Outer_Full	7.09	/	/	<=13	Pass
	1745	Outer_Full	7.09	/	/	<=13	Pass
	1777.5	Outer_Full	7.09	/	/	<=13	Pass
CP-OFDM 256 QAM	1712.5	Outer_Full	8.31	/	/	<=13	Pass
	1745	Outer_Full	8.23	/	/	<=13	Pass
	1777.5	Outer_Full	8.22	/	/	<=13	Pass

4.1.2 15_S_10M_NTNV

5G NR n66 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1715	Outer_Full	3.63	/	/	<=13	Pass
	1745	Outer_Full	3.43	/	/	<=13	Pass
	1775	Outer_Full	3.53	/	/	<=13	Pass
DFT-s-OFDM QPSK	1715	Outer_Full	4.40	/	/	<=13	Pass
	1745	Outer_Full	4.38	/	/	<=13	Pass
	1775	Outer_Full	4.38	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1715	Outer_Full	5.42	/	/	<=13	Pass
	1745	Outer_Full	5.40	/	/	<=13	Pass
	1775	Outer_Full	5.39	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1715	Outer_Full	5.84	/	/	<=13	Pass
	1745	Outer_Full	5.80	/	/	<=13	Pass
	1775	Outer_Full	5.79	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1715	Outer_Full	6.61	/	/	<=13	Pass
	1745	Outer_Full	6.53	/	/	<=13	Pass
	1775	Outer_Full	6.97	/	/	<=13	Pass
CP-OFDM QPSK	1715	Outer_Full	6.57	/	/	<=13	Pass
	1745	Outer_Full	6.56	/	/	<=13	Pass

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	1775	Outer_Full	7.09	/	/	<=13	Pass
CP-OFDM 16 QAM	1715	Outer_Full	6.58	/	/	<=13	Pass
	1745	Outer_Full	6.54	/	/	<=13	Pass
	1775	Outer_Full	7.04	/	/	<=13	Pass
CP-OFDM 64 QAM	1715	Outer_Full	7.01	/	/	<=13	Pass
	1745	Outer_Full	6.99	/	/	<=13	Pass
	1775	Outer_Full	7.49	/	/	<=13	Pass
CP-OFDM 256 QAM	1715	Outer_Full	8.35	/	/	<=13	Pass
	1745	Outer_Full	8.55	/	/	<=13	Pass
	1775	Outer_Full	8.93	/	/	<=13	Pass

4.1.3 15_S_15M_NTNV

5G NR n66 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1717.5	Outer_Full	3.75	/	/	<=13	Pass
	1745	Outer_Full	3.62	/	/	<=13	Pass
	1772.5	Outer_Full	3.46	/	/	<=13	Pass
DFT-s-OFDM QPSK	1717.5	Outer_Full	4.37	/	/	<=13	Pass
	1745	Outer_Full	4.27	/	/	<=13	Pass
	1772.5	Outer_Full	4.36	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1717.5	Outer_Full	5.33	/	/	<=13	Pass
	1745	Outer_Full	5.24	/	/	<=13	Pass
	1772.5	Outer_Full	5.26	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1717.5	Outer_Full	5.81	/	/	<=13	Pass
	1745	Outer_Full	5.77	/	/	<=13	Pass
	1772.5	Outer_Full	5.78	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1717.5	Outer_Full	6.63	/	/	<=13	Pass
	1745	Outer_Full	6.57	/	/	<=13	Pass
	1772.5	Outer_Full	6.59	/	/	<=13	Pass
CP-OFDM QPSK	1717.5	Outer_Full	6.49	/	/	<=13	Pass
	1745	Outer_Full	6.47	/	/	<=13	Pass
	1772.5	Outer_Full	6.53	/	/	<=13	Pass
CP-OFDM 16 QAM	1717.5	Outer_Full	6.47	/	/	<=13	Pass
	1745	Outer_Full	6.42	/	/	<=13	Pass
	1772.5	Outer_Full	6.45	/	/	<=13	Pass
CP-OFDM 64 QAM	1717.5	Outer_Full	6.96	/	/	<=13	Pass
	1745	Outer_Full	6.96	/	/	<=13	Pass
	1772.5	Outer_Full	7.00	/	/	<=13	Pass
CP-OFDM 256 QAM	1717.5	Outer_Full	8.27	/	/	<=13	Pass
	1745	Outer_Full	8.14	/	/	<=13	Pass
	1772.5	Outer_Full	8.09	/	/	<=13	Pass

4.1.4 15_S_20M_NTNV

5G NR n66 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1720	Outer_Full	3.63	/	/	<=13	Pass
	1745	Outer_Full	3.46	/	/	<=13	Pass
	1770	Outer_Full	3.80	/	/	<=13	Pass
DFT-s-OFDM QPSK	1720	Outer_Full	4.40	/	/	<=13	Pass
	1745	Outer_Full	4.24	/	/	<=13	Pass
	1770	Outer_Full	6.60	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1720	Outer_Full	5.31	/	/	<=13	Pass
	1745	Outer_Full	5.24	/	/	<=13	Pass
	1770	Outer_Full	7.26	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1720	Outer_Full	5.75	/	/	<=13	Pass
	1745	Outer_Full	5.70	/	/	<=13	Pass
	1770	Outer_Full	7.51	/	/	<=13	Pass

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DFT-s-OFDM 256 QAM	1720	Outer_Full	6.61	/	/	<=13	Pass
	1745	Outer_Full	6.50	/	/	<=13	Pass
	1770	Outer_Full	8.77	/	/	<=13	Pass
CP-OFDM QPSK	1720	Outer_Full	6.49	/	/	<=13	Pass
	1745	Outer_Full	6.43	/	/	<=13	Pass
	1770	Outer_Full	8.69	/	/	<=13	Pass
CP-OFDM 16 QAM	1720	Outer_Full	6.50	/	/	<=13	Pass
	1745	Outer_Full	6.42	/	/	<=13	Pass
	1770	Outer_Full	9.13	/	/	<=13	Pass
CP-OFDM 64 QAM	1720	Outer_Full	7.02	/	/	<=13	Pass
	1745	Outer_Full	7.01	/	/	<=13	Pass
	1770	Outer_Full	8.97	/	/	<=13	Pass
CP-OFDM 256 QAM	1720	Outer_Full	8.48	/	/	<=13	Pass
	1745	Outer_Full	8.50	/	/	<=13	Pass
	1770	Outer_Full	9.65	/	/	<=13	Pass

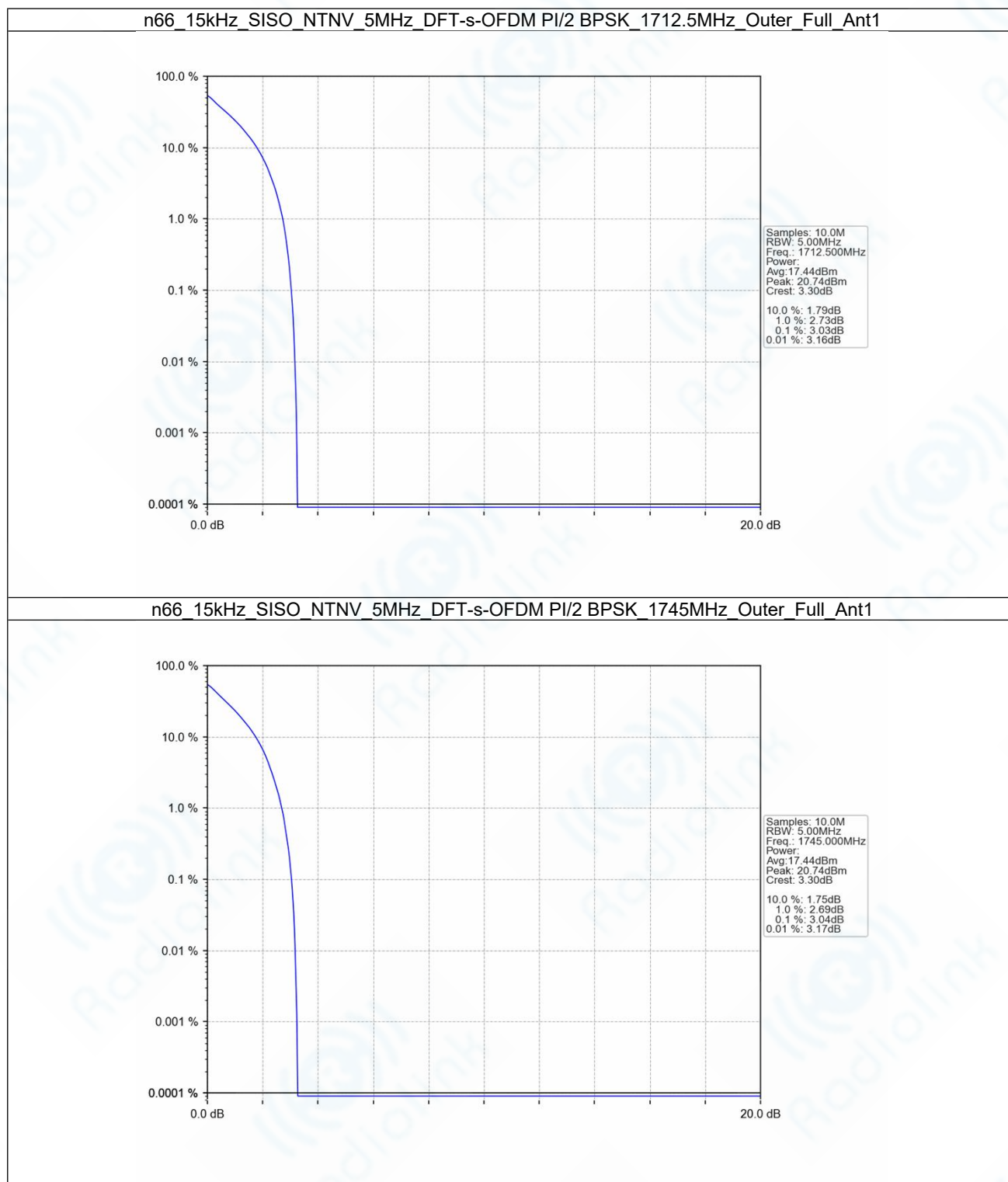


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4.2 Test Graph

4.2.1 15_S_5M_NTNV

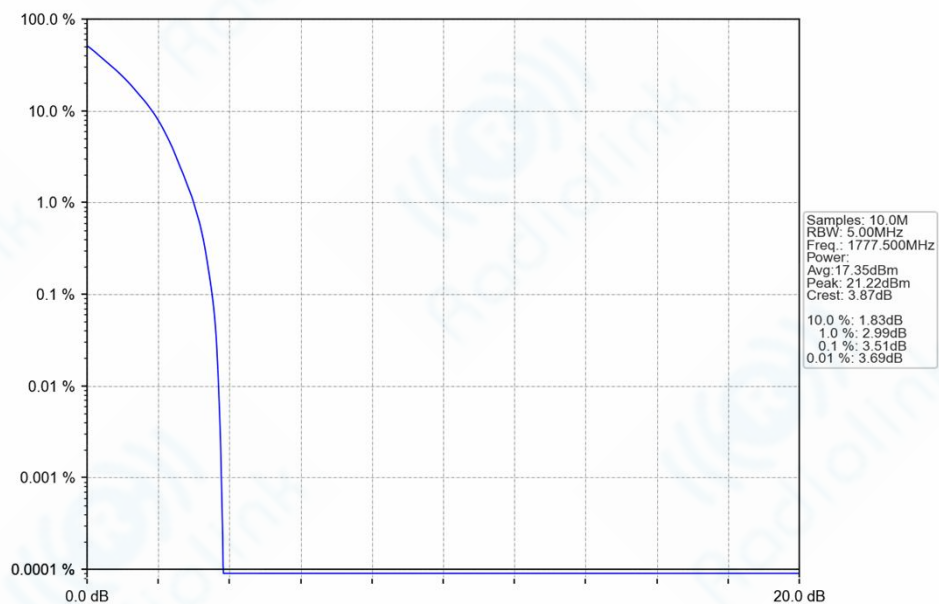


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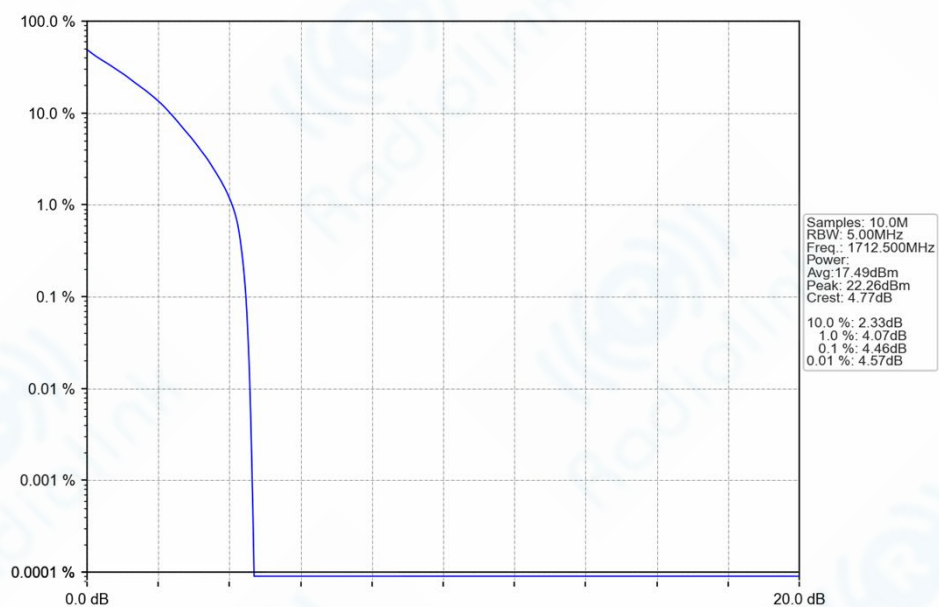
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_1777.5MHz_Outer_Full_Ant1



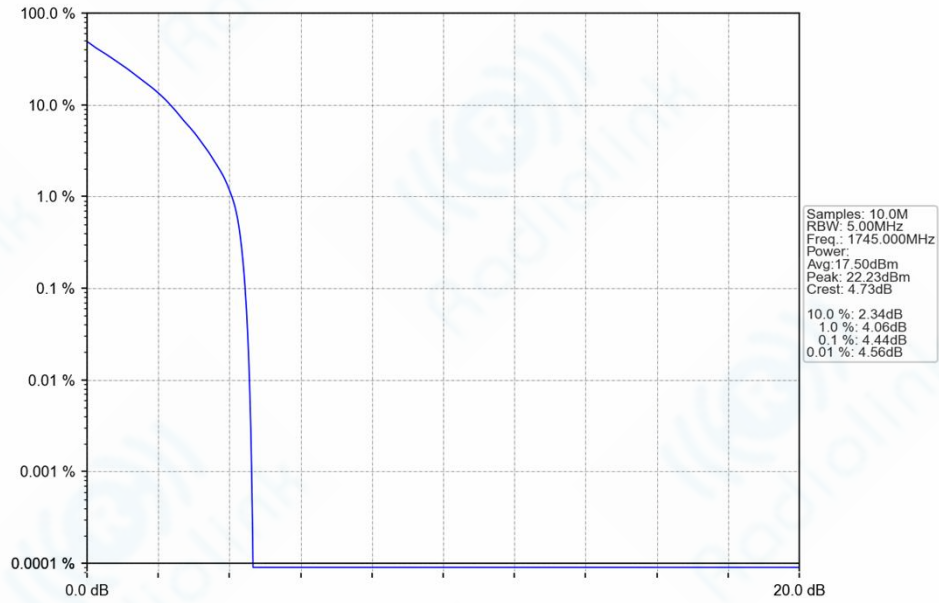
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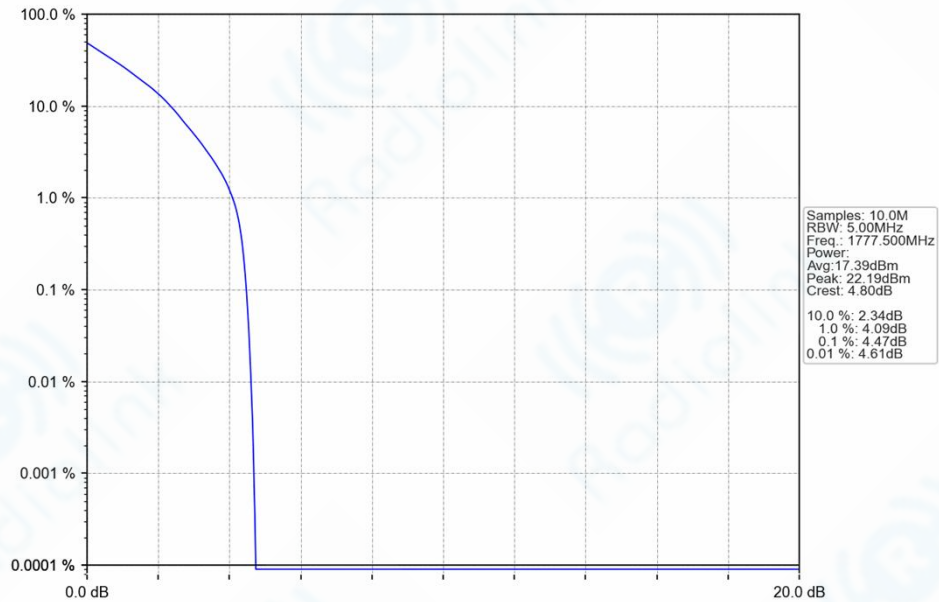
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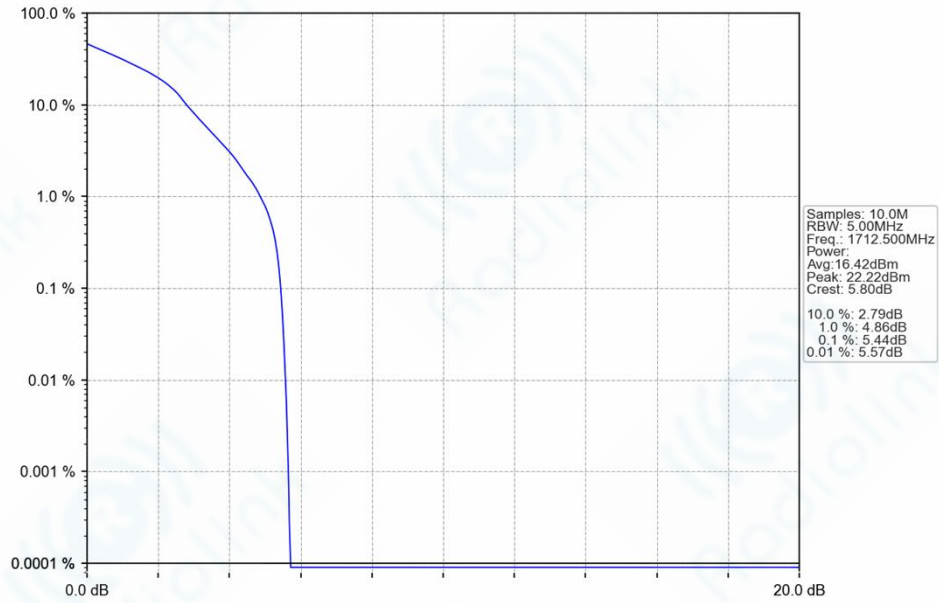
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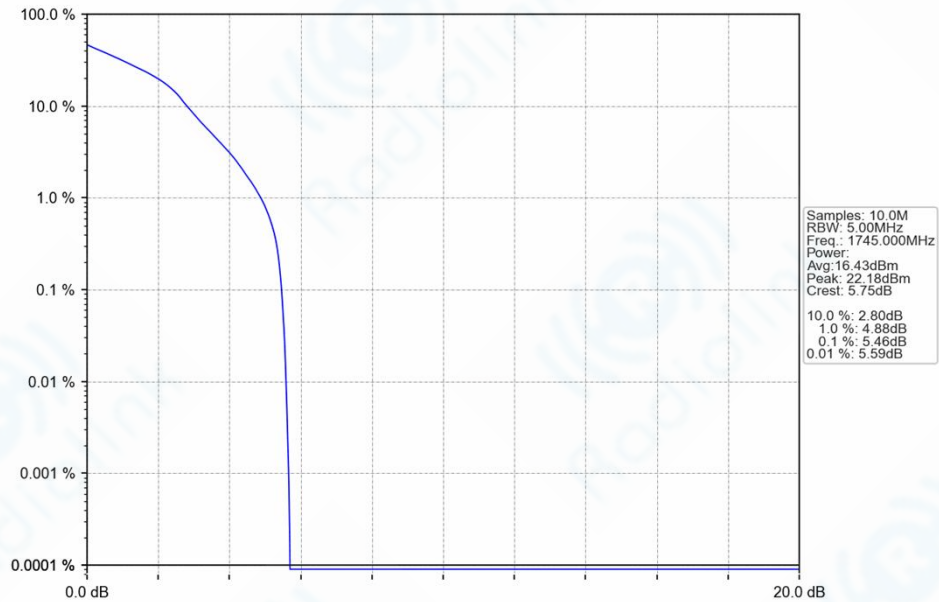
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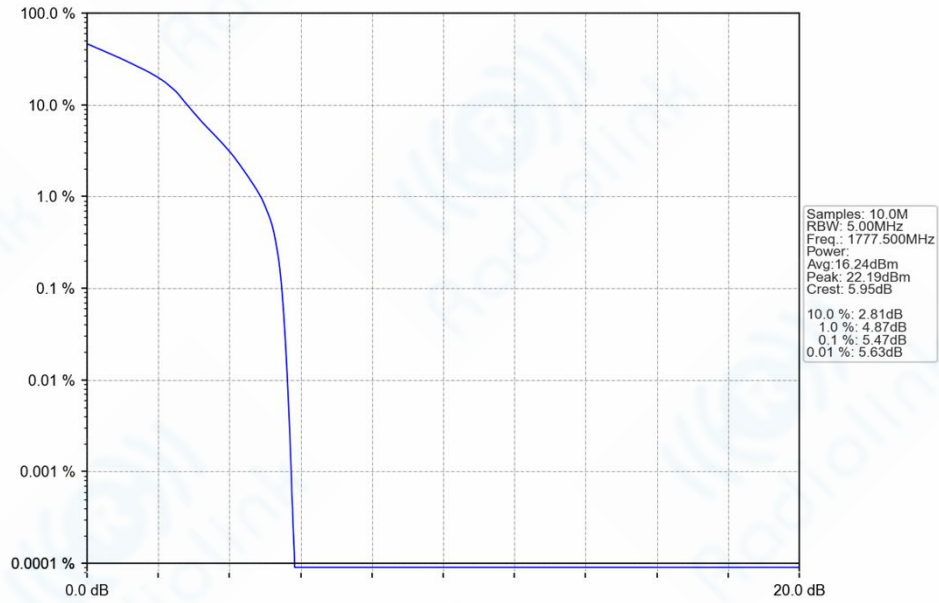


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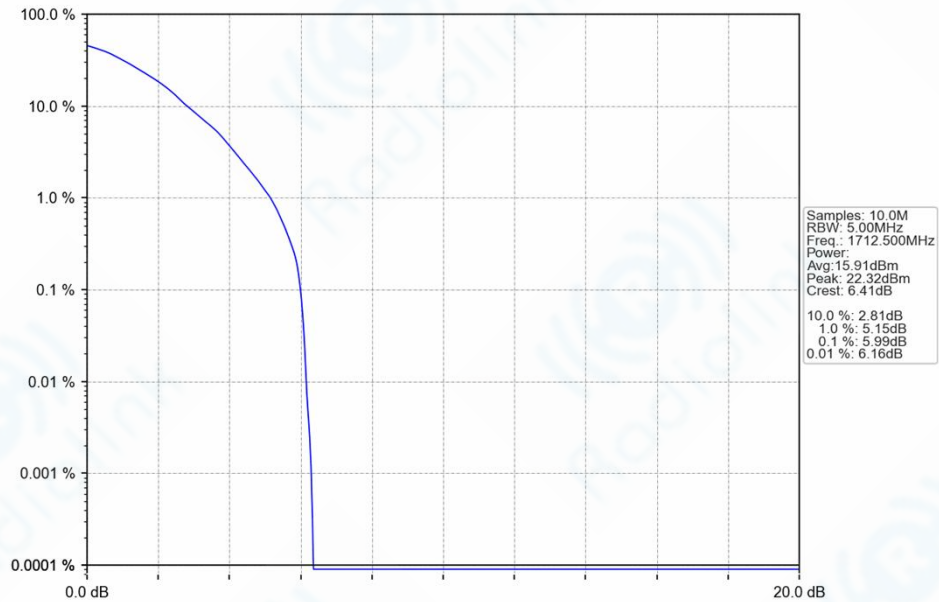

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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_1777.5MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_1712.5MHz_Outer_Full_Ant1

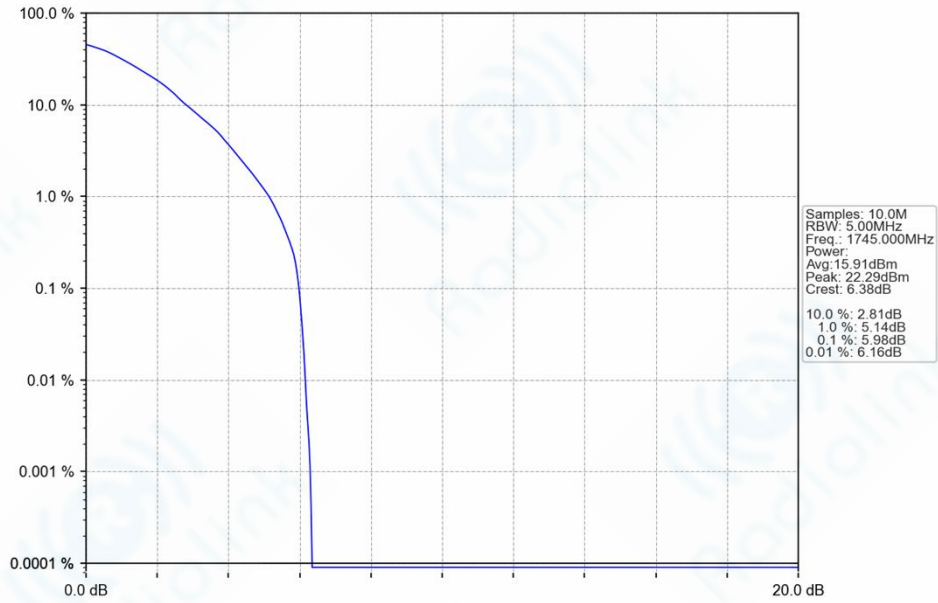


Radiolink Testing (Shenzhen) Co., Ltd.

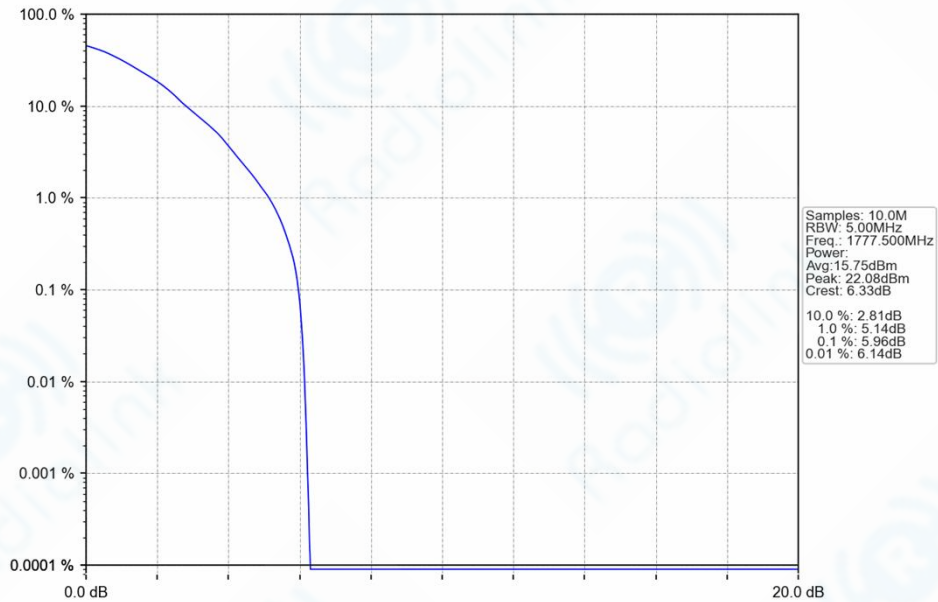
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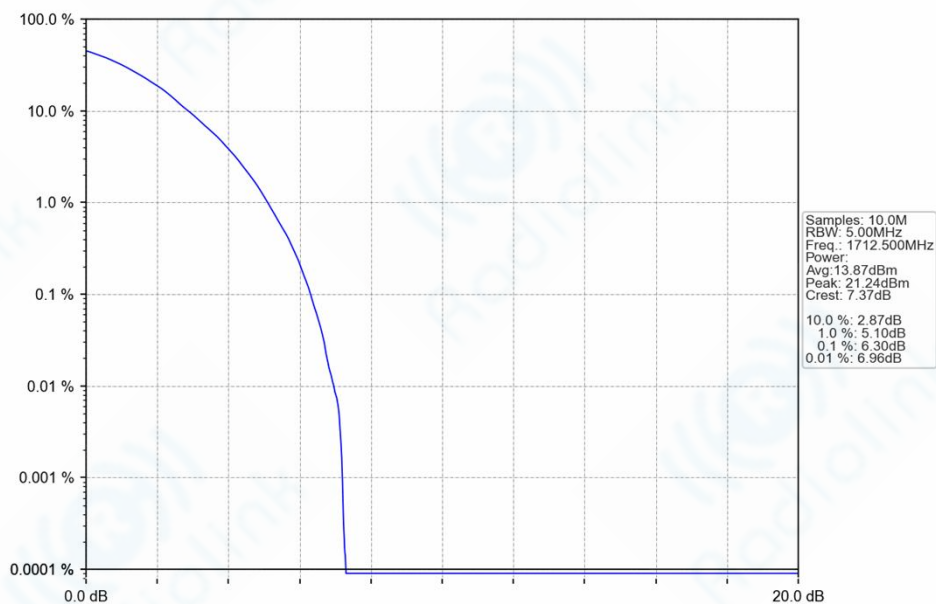
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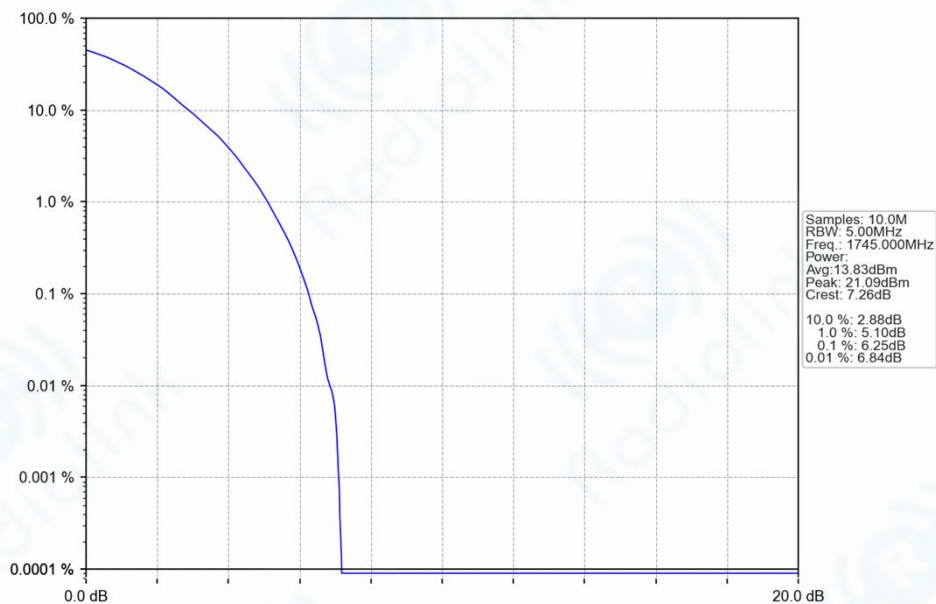
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_1712.5MHz_Outer_Full_Ant1



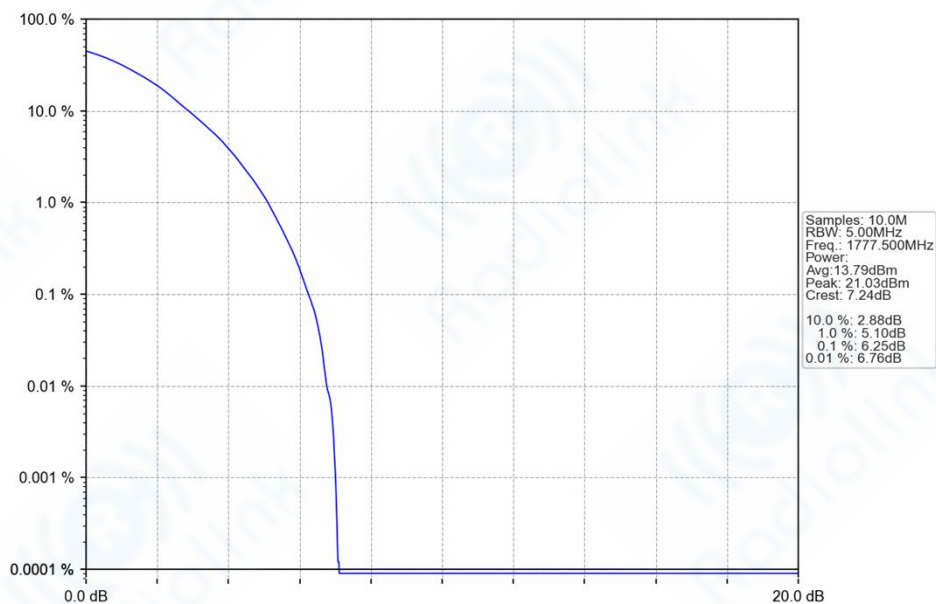
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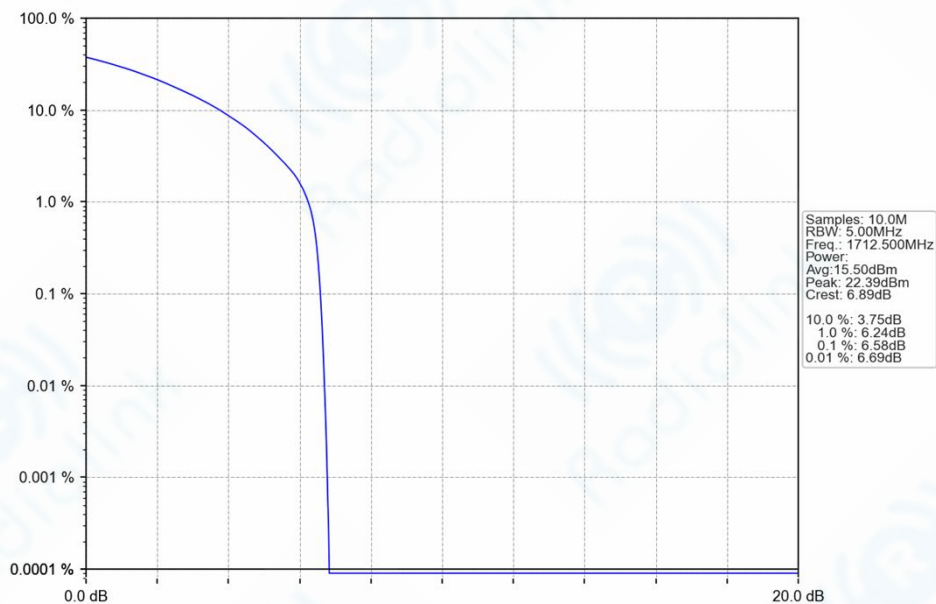
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_1777.5MHz_Outer_Full_Ant1



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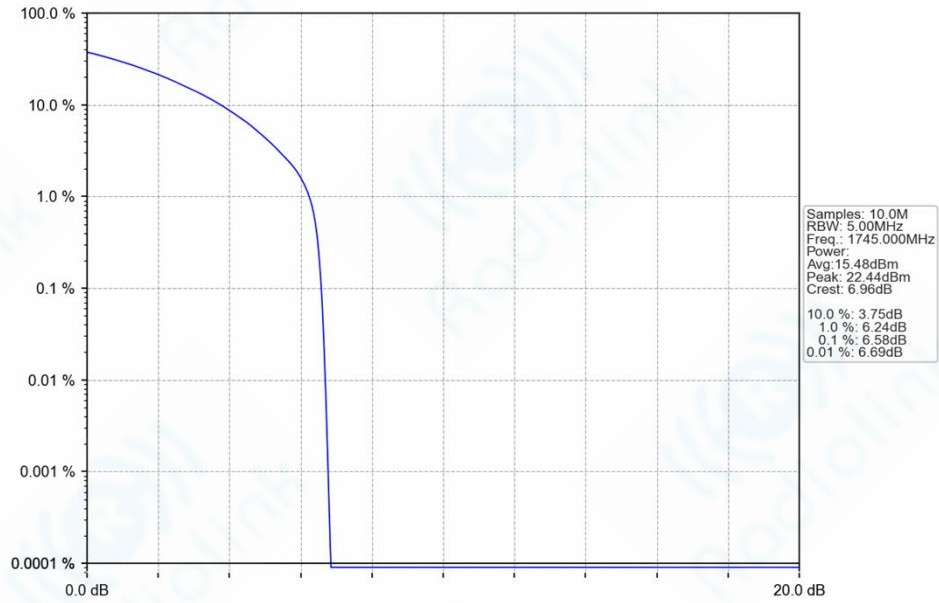


Radiolink Testing (Shenzhen) Co., Ltd.

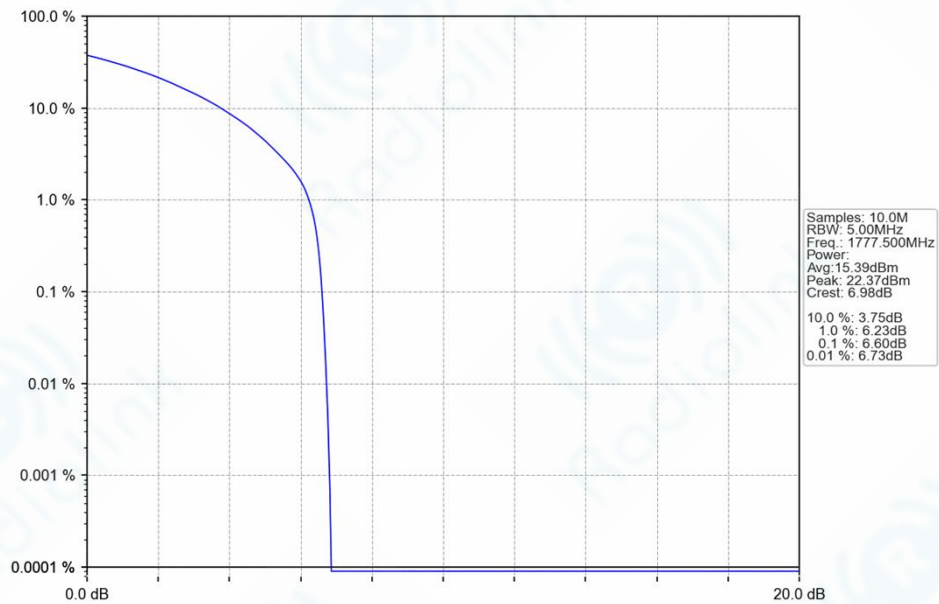
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
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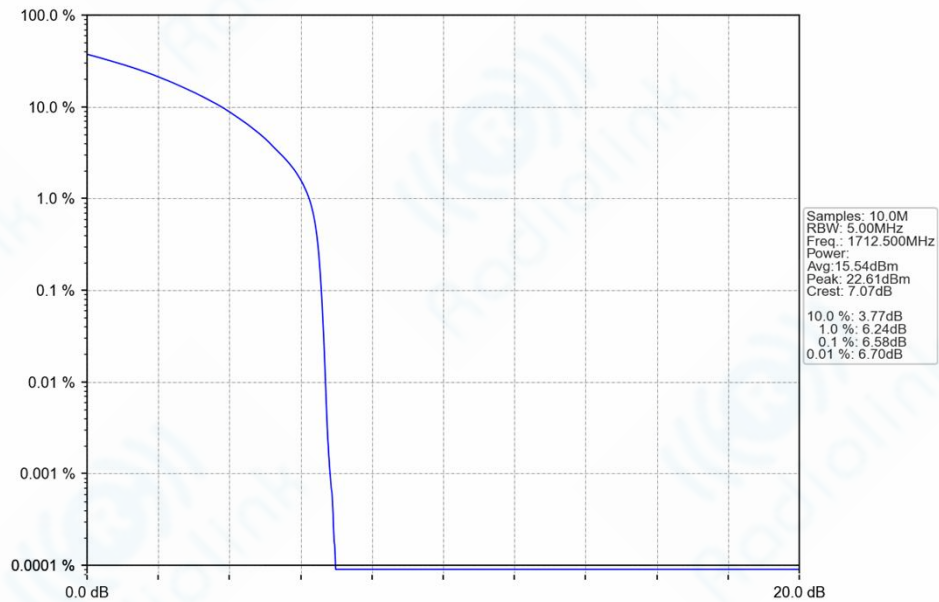
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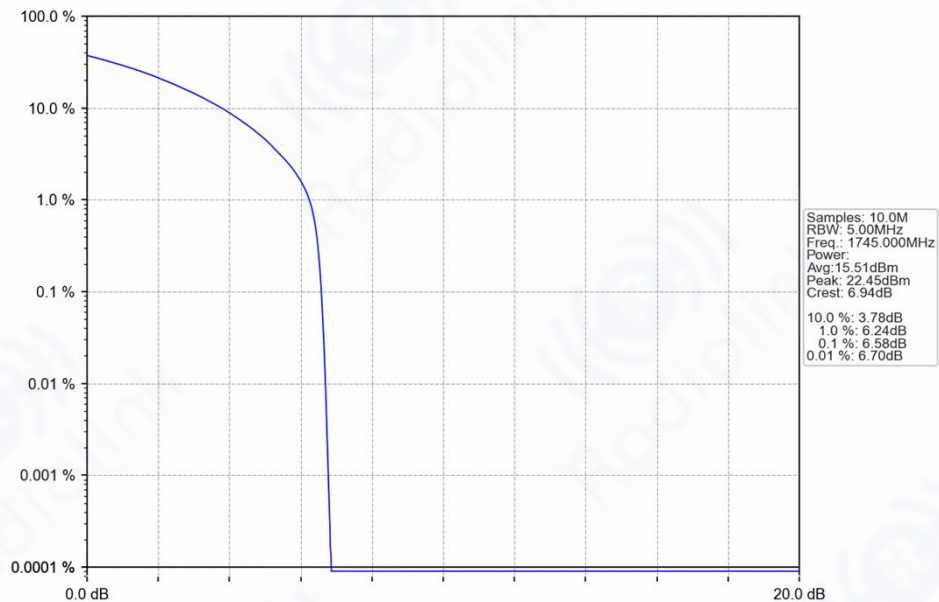
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n66_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_1712.5MHz_Outer_Full_Ant1



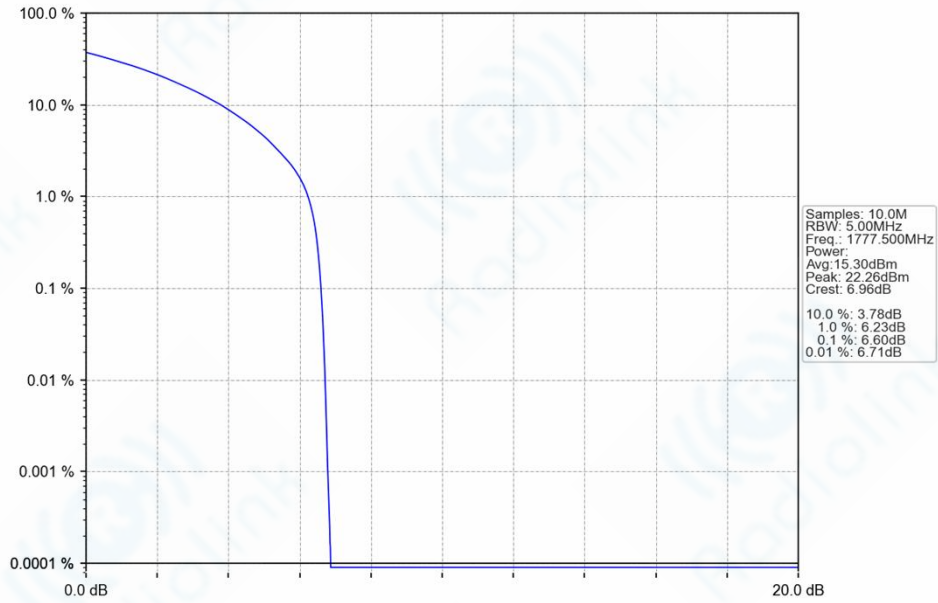
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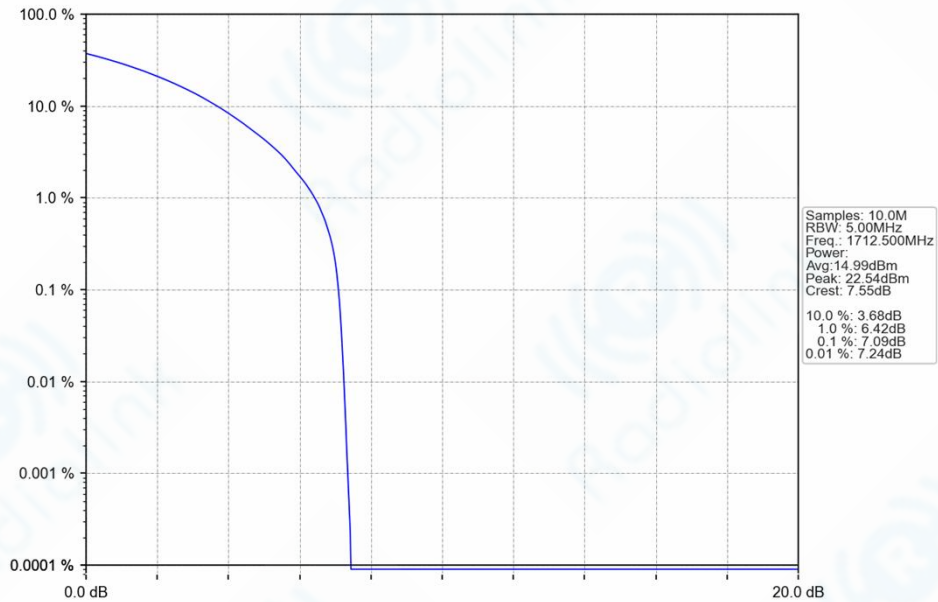
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n66_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_1777.5MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_1712.5MHz_Outer_Full_Ant1

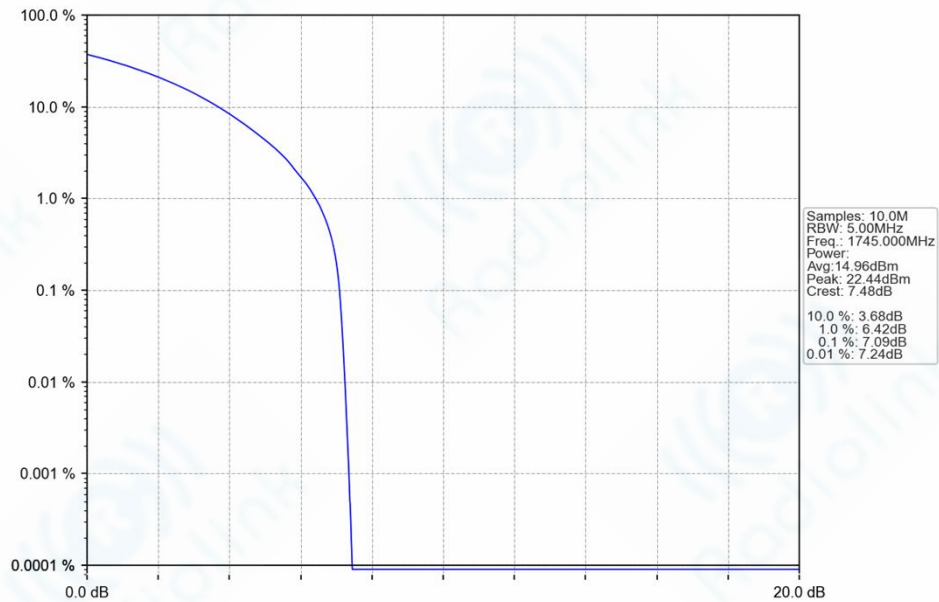


Radiolink Testing (Shenzhen) Co., Ltd.

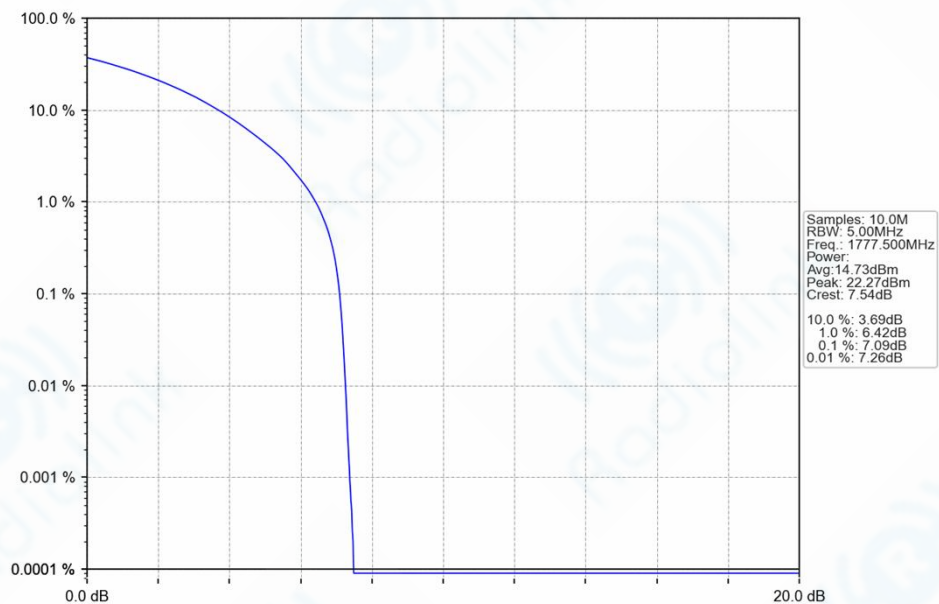
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

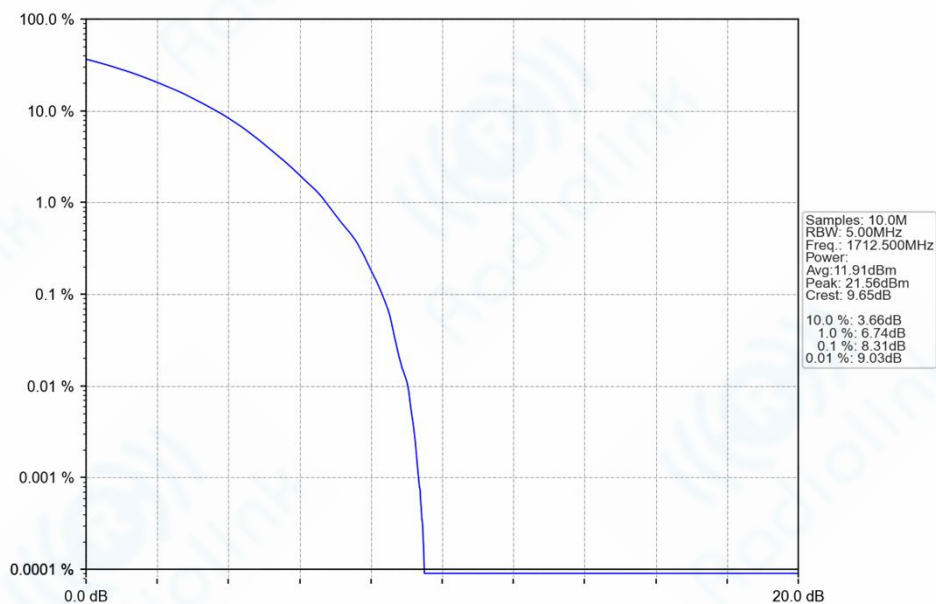
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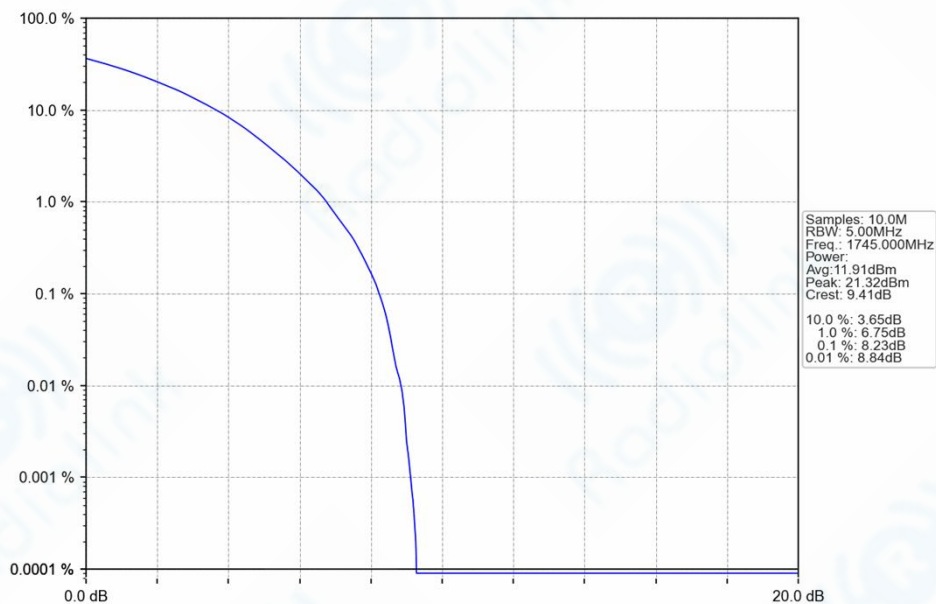
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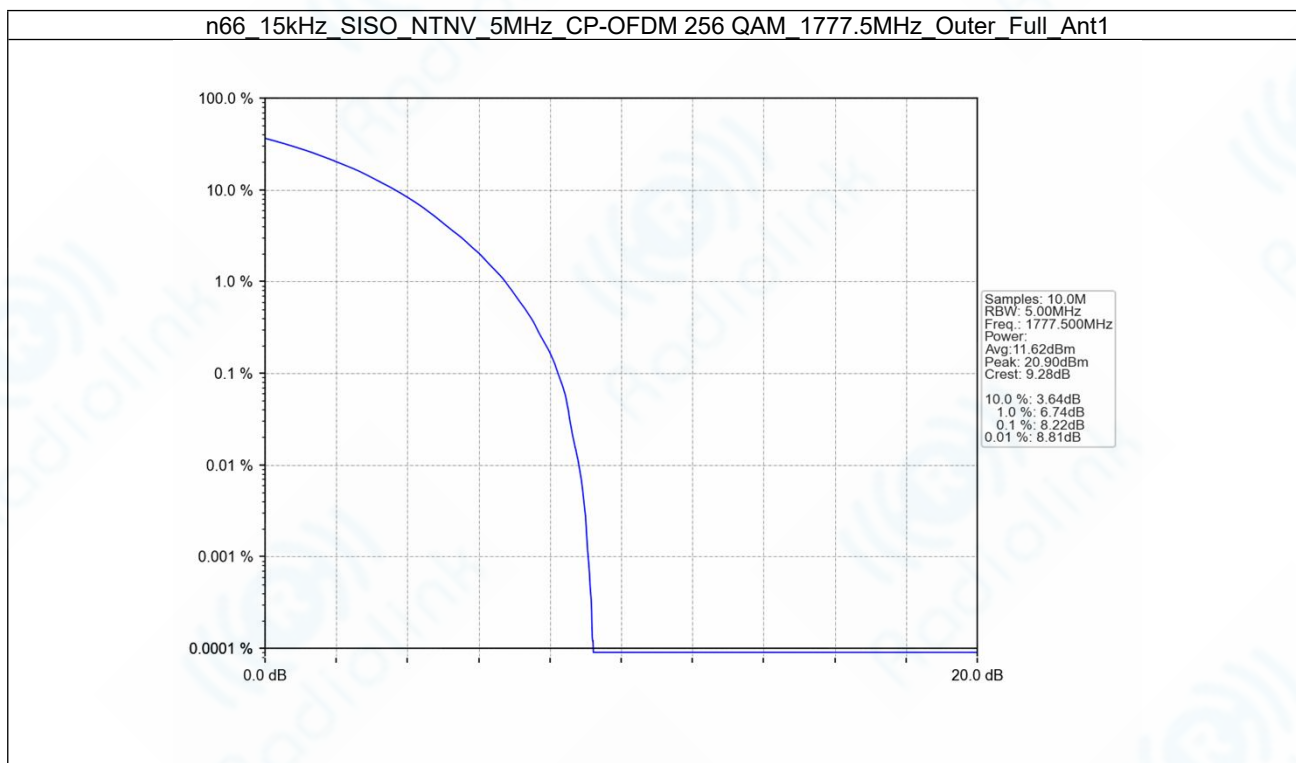
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Radiolink Testing (Shenzhen) Co., Ltd.

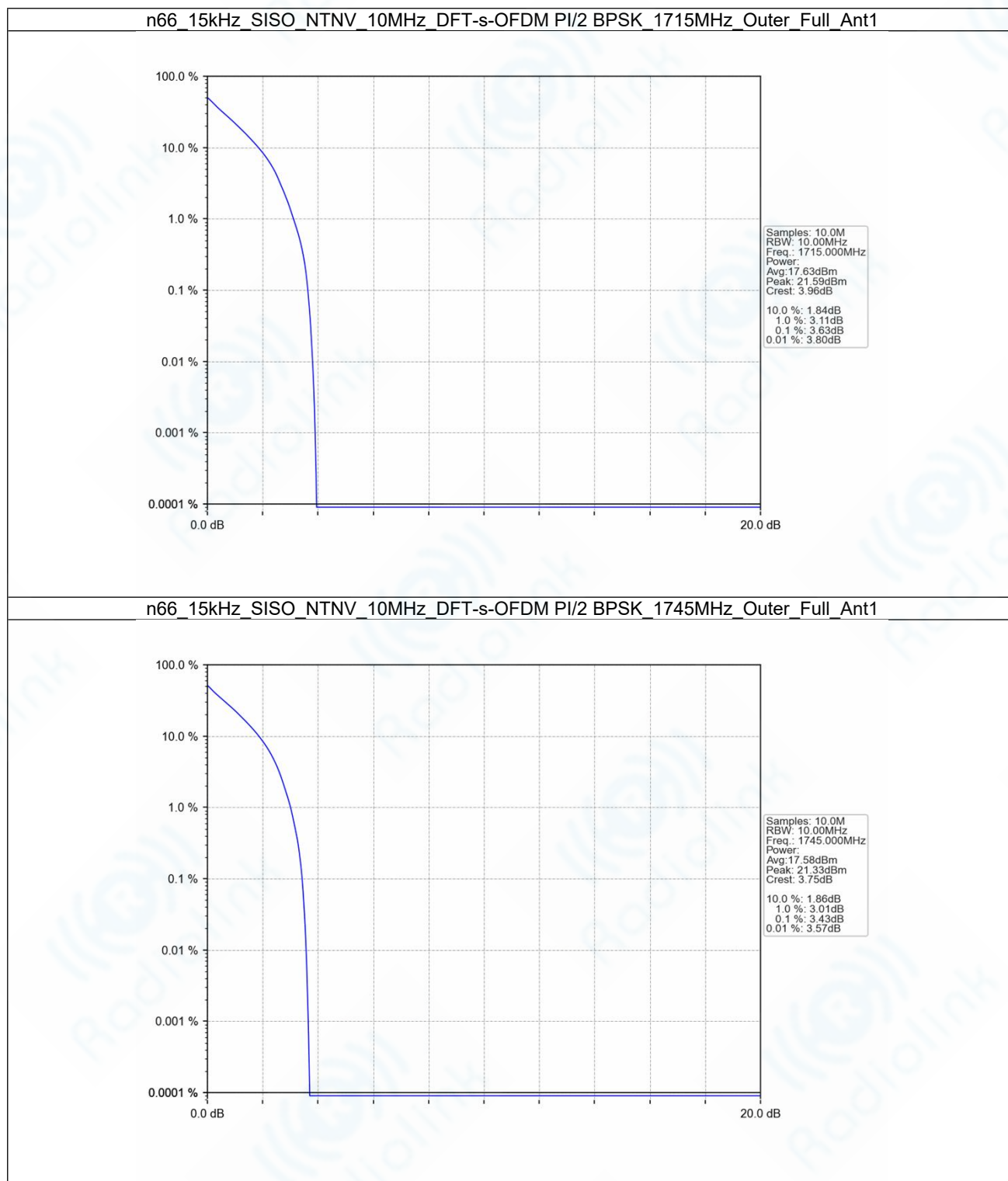
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
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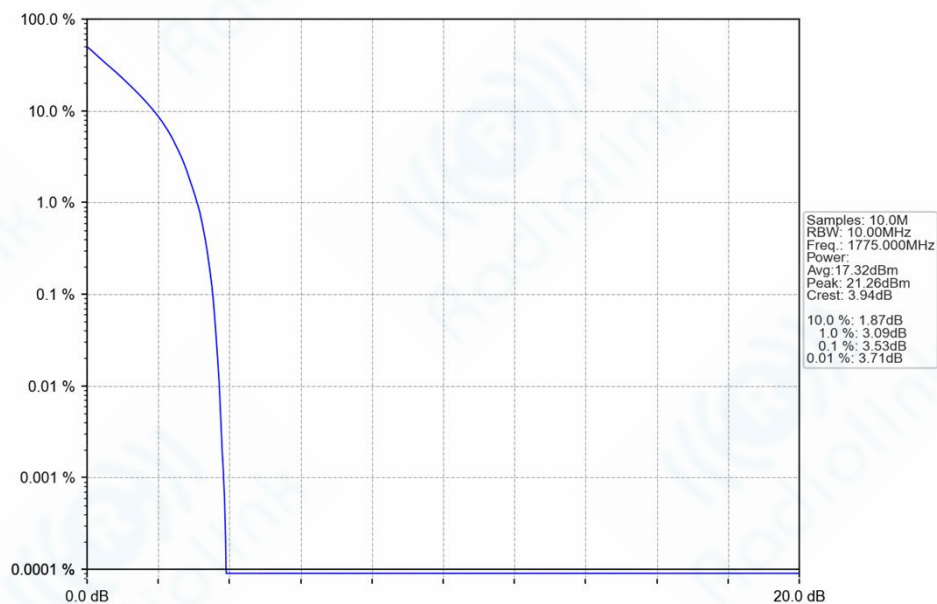
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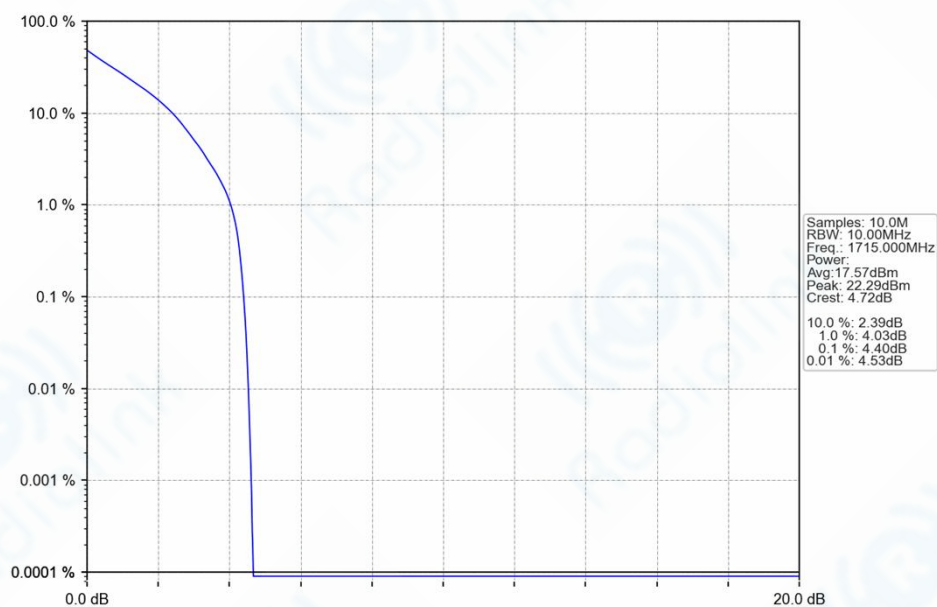
4.2.2 15_S_10M_NTNV



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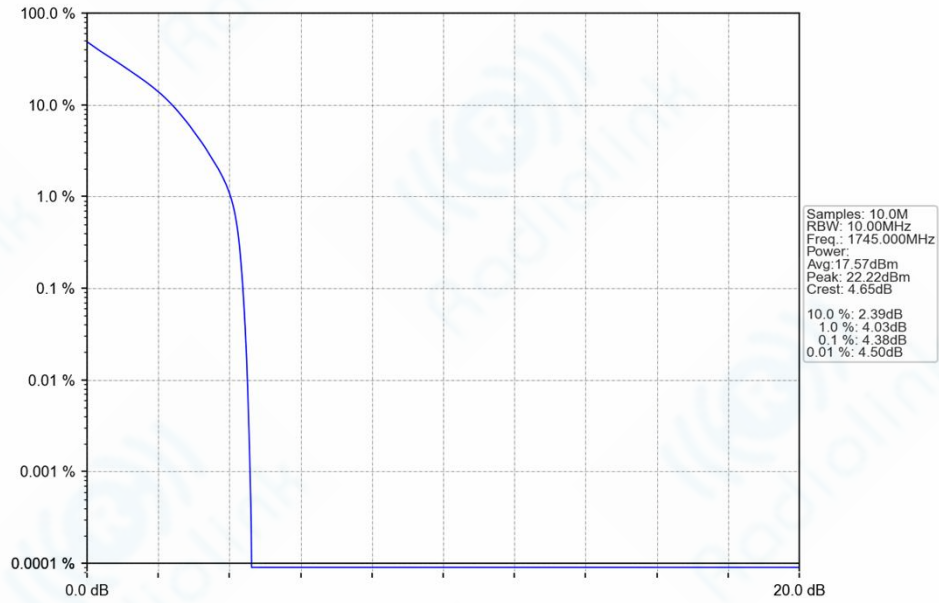
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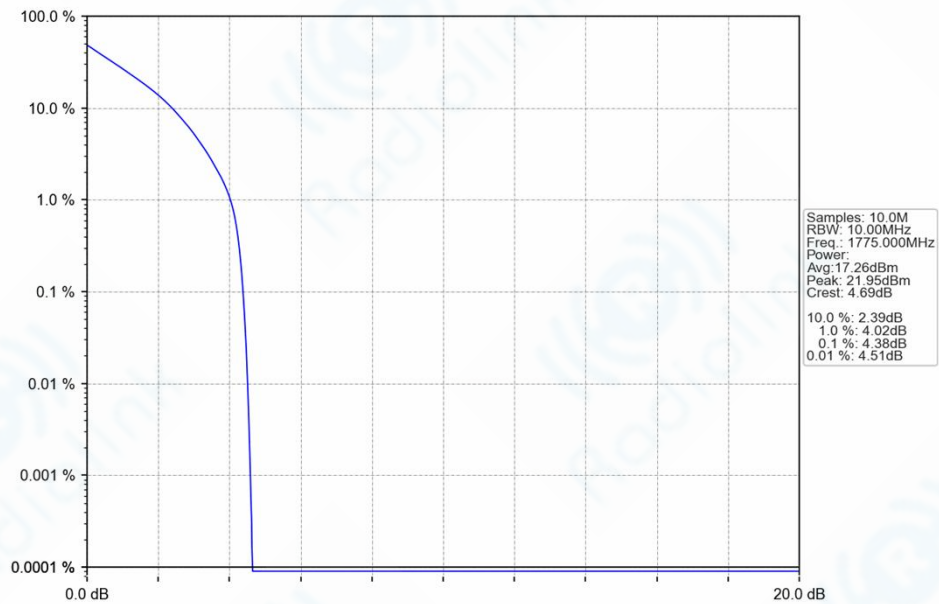
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1745MHz_Outer_Full_Ant1



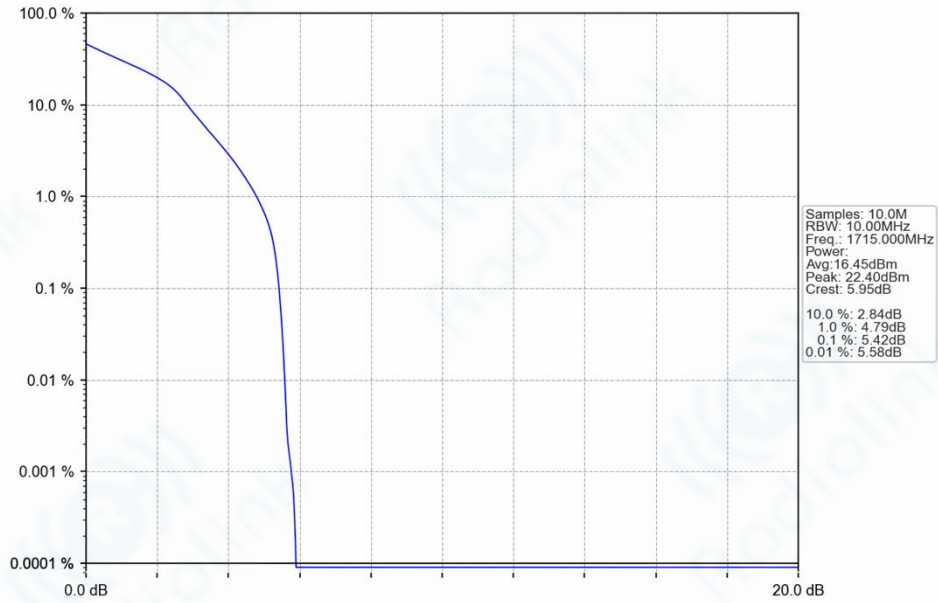
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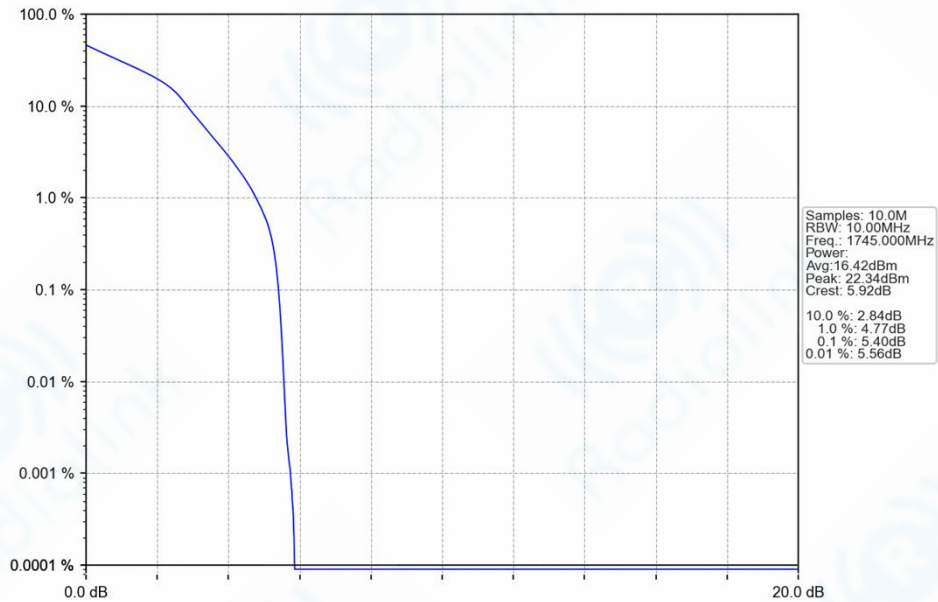
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Tel: +86 0755 23080694

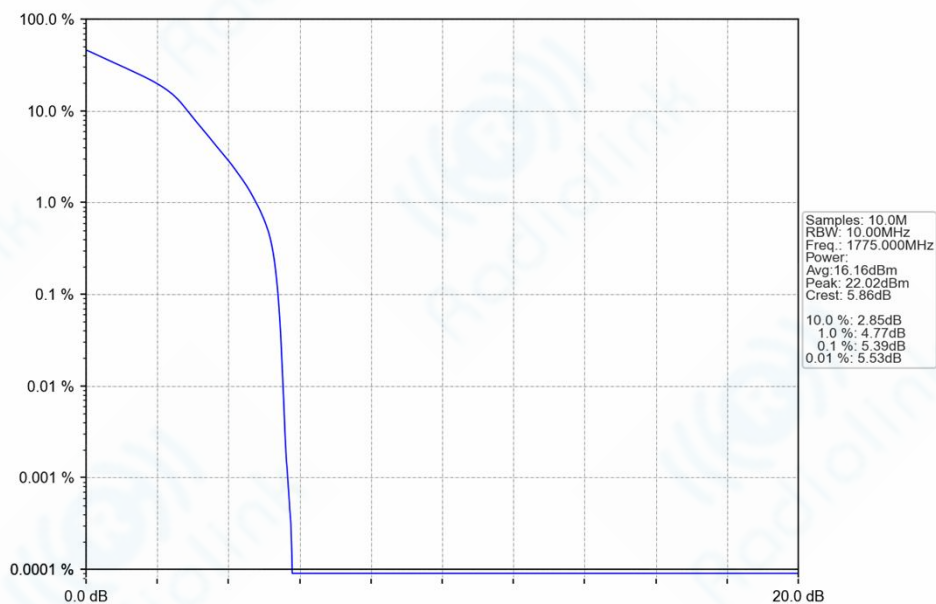
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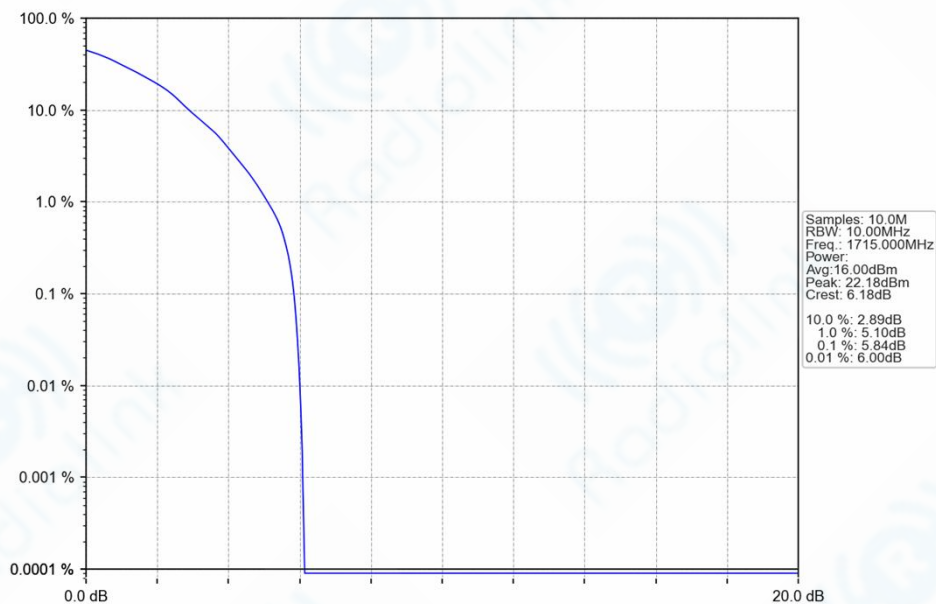
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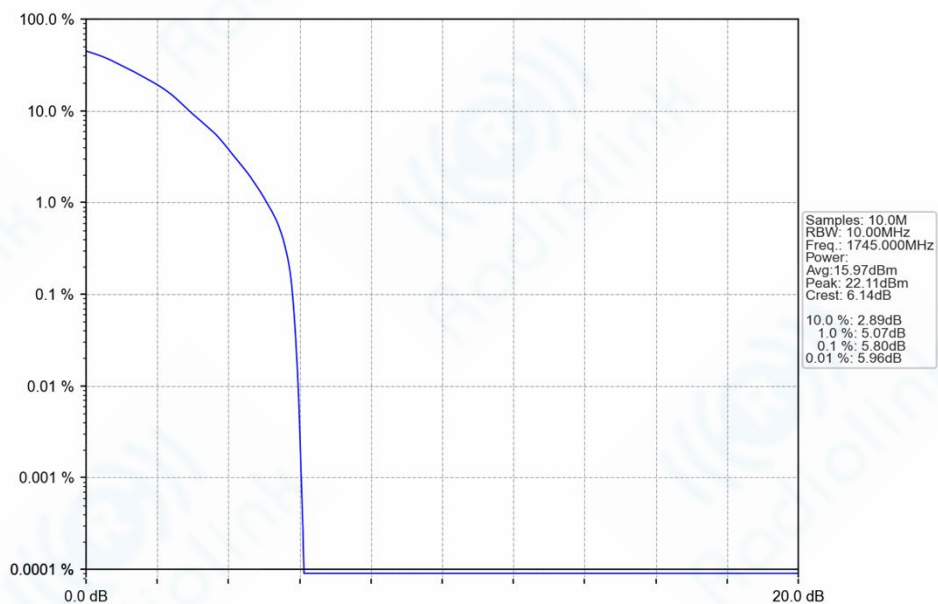
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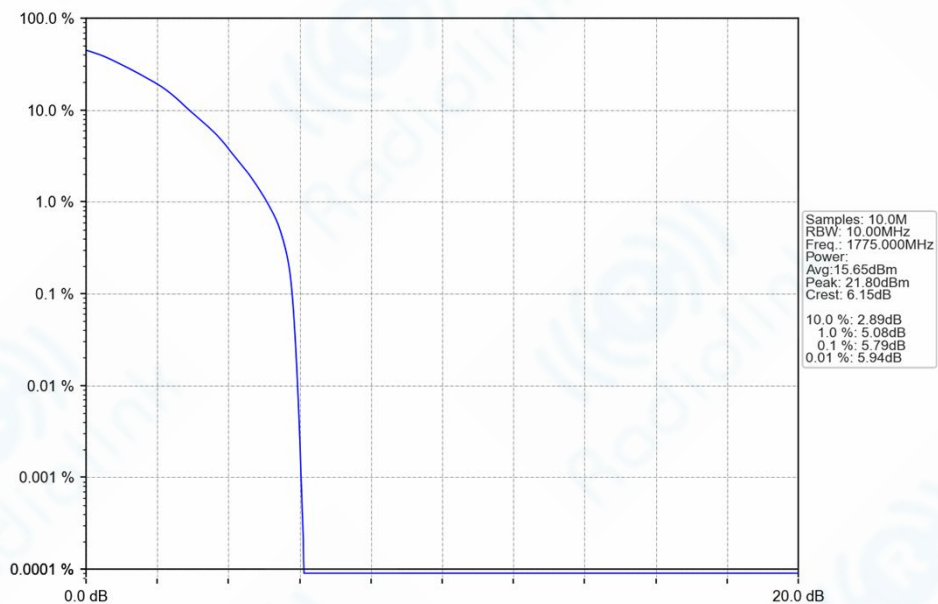
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_1745MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_1775MHz_Outer_Full_Ant1

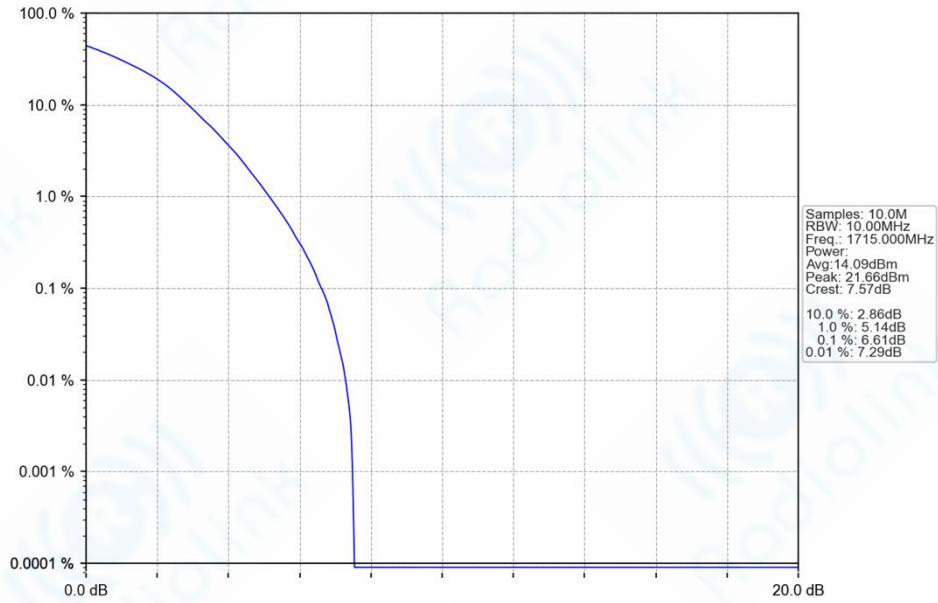


Radiolink Testing (Shenzhen) Co., Ltd.

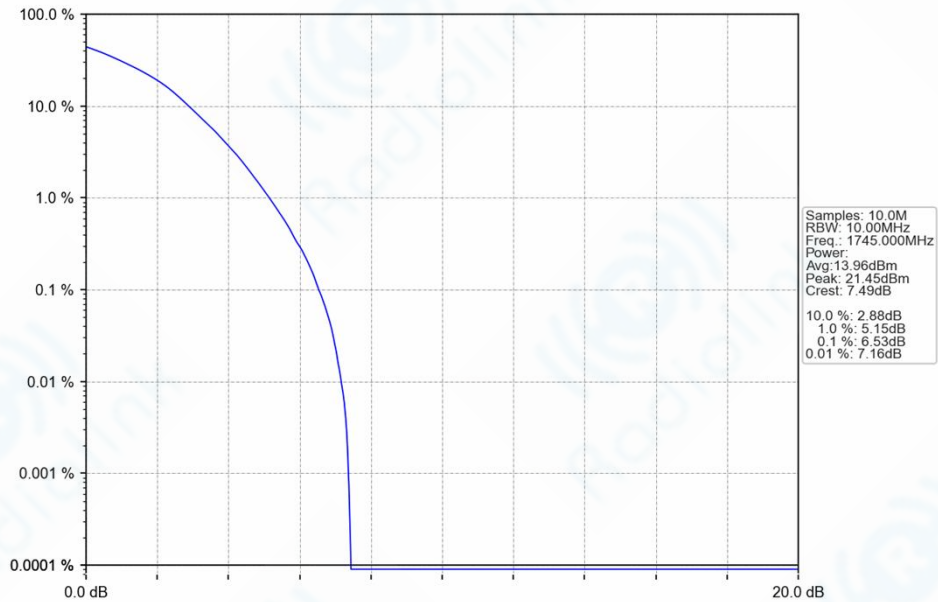
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
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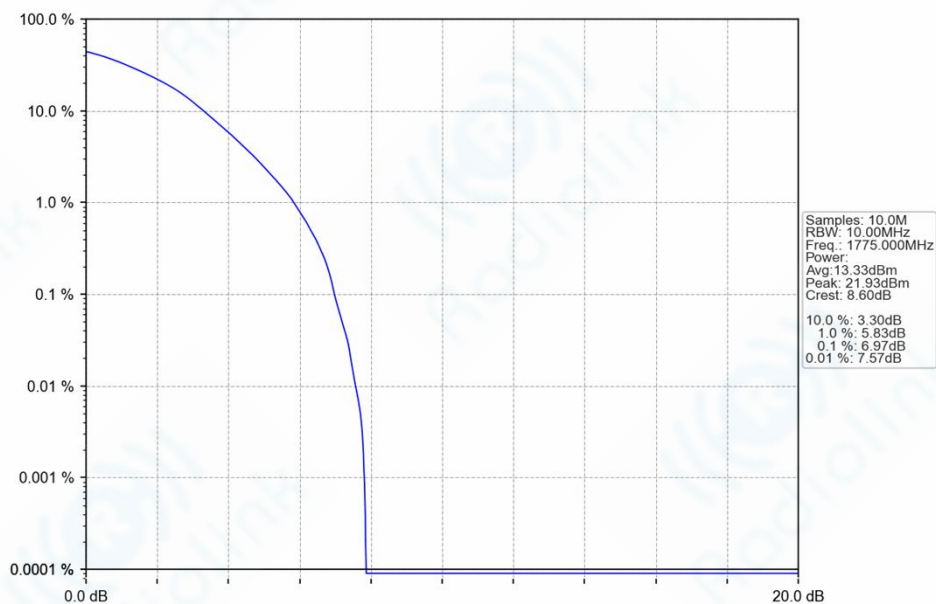
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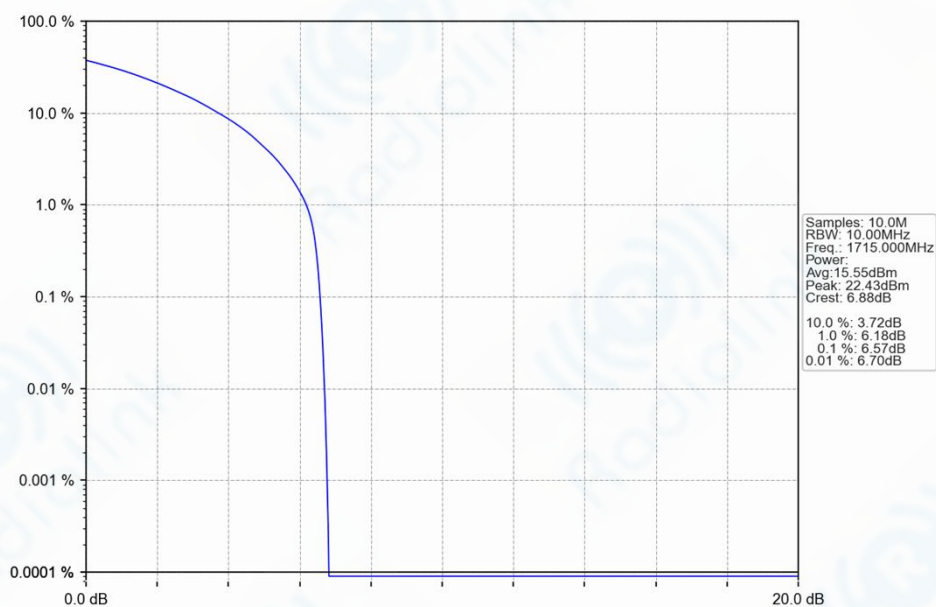
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM 1775MHz_Outer_Full_Ant1



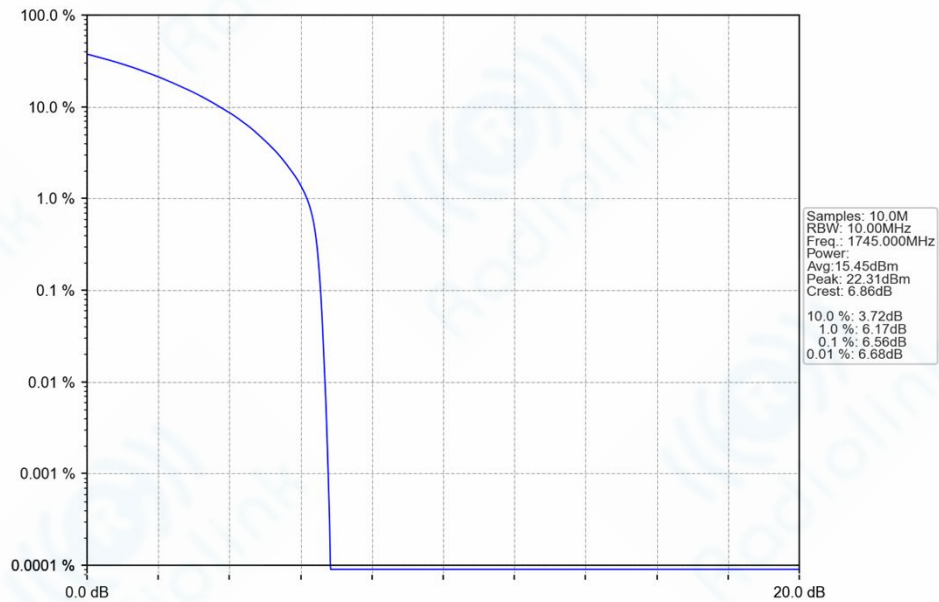
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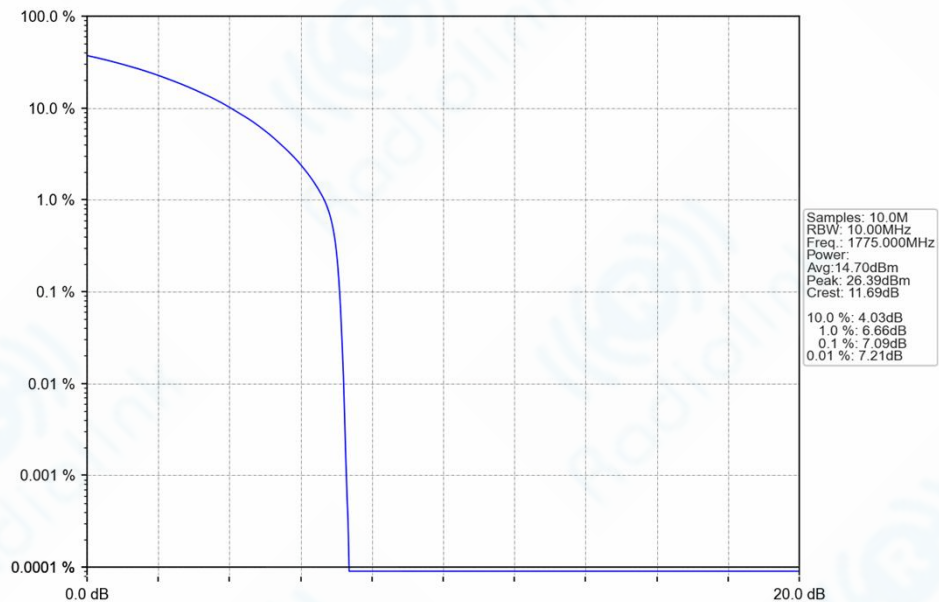
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n66_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1745MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1775MHz_Outer_Full_Ant1

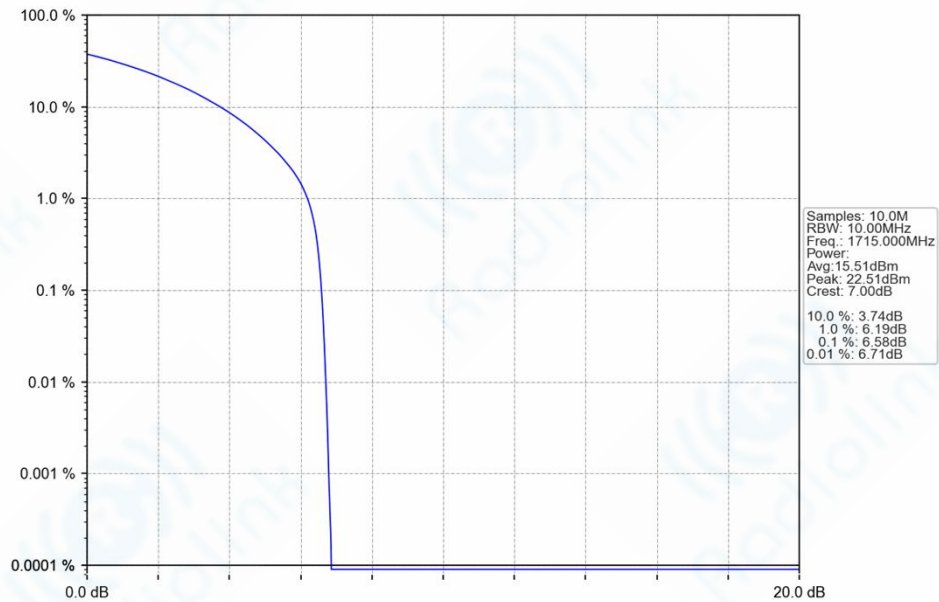


Radiolink Testing (Shenzhen) Co., Ltd.

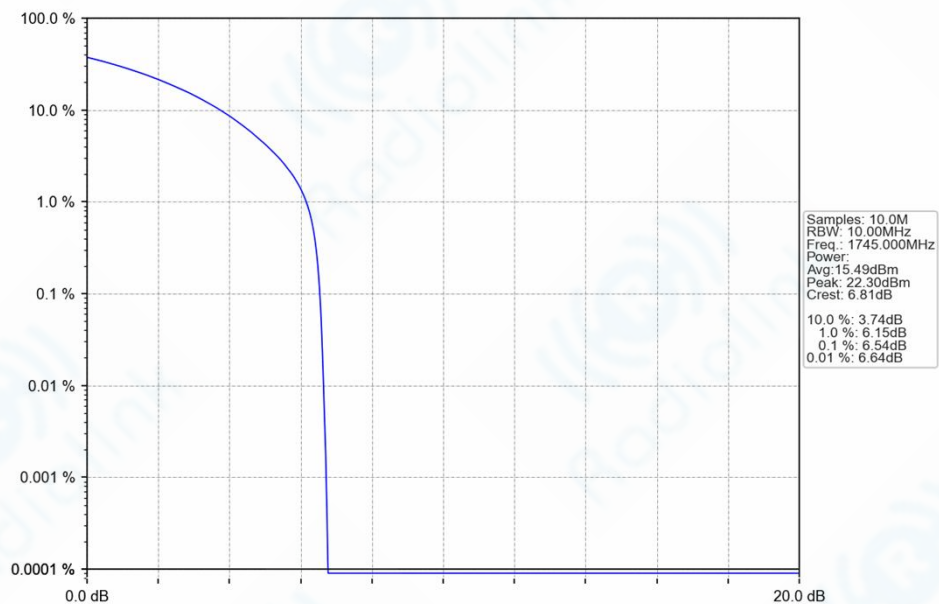
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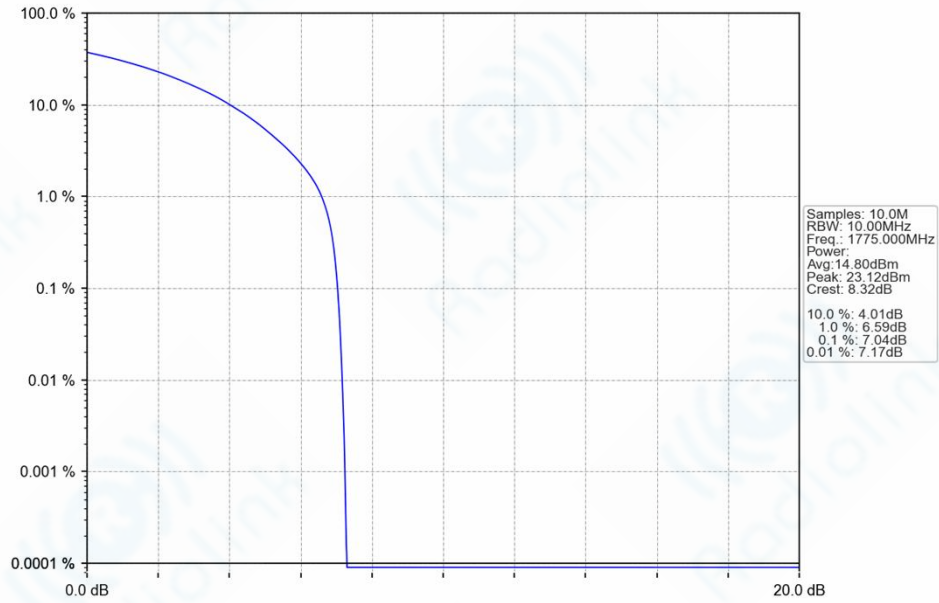
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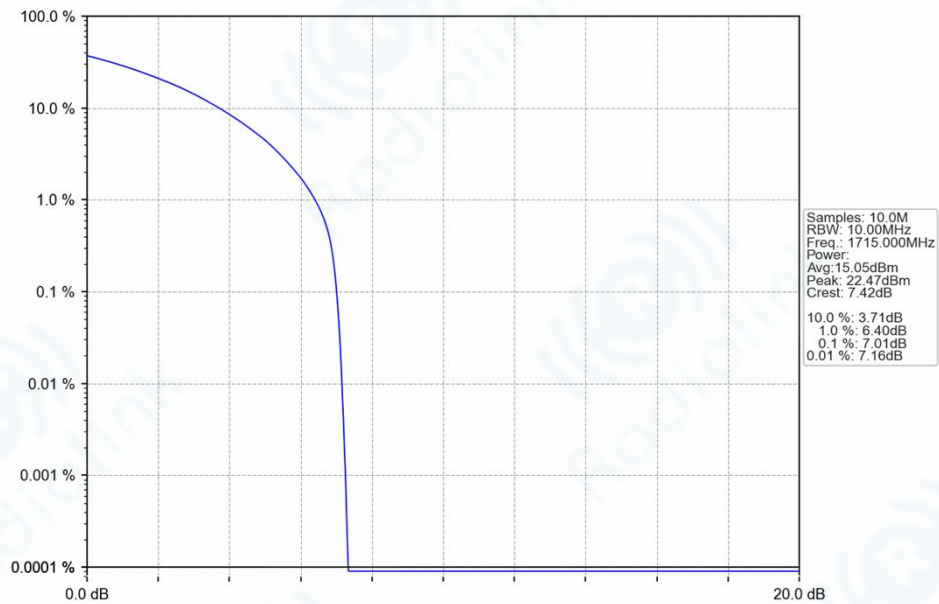
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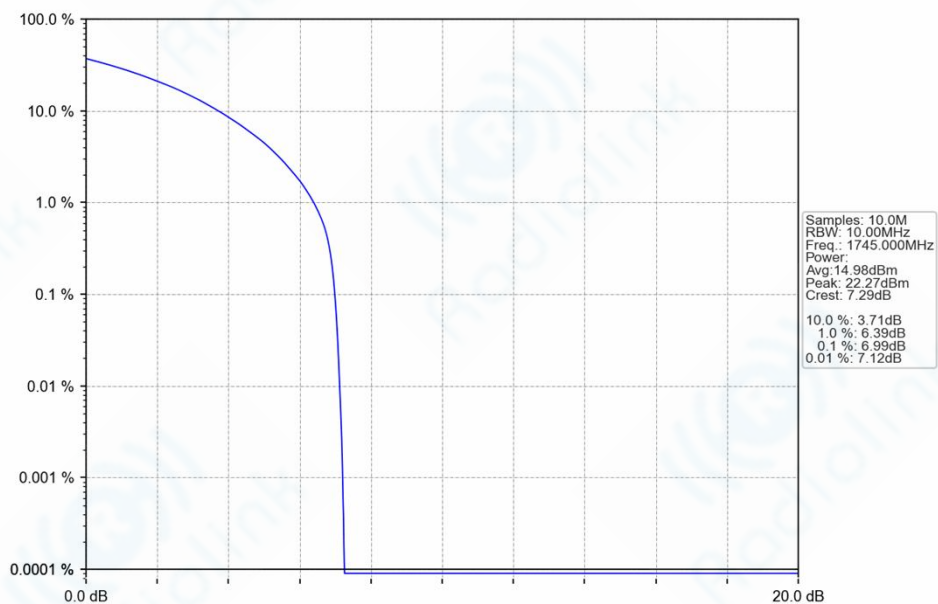


Radiolink Testing (Shenzhen) Co., Ltd.

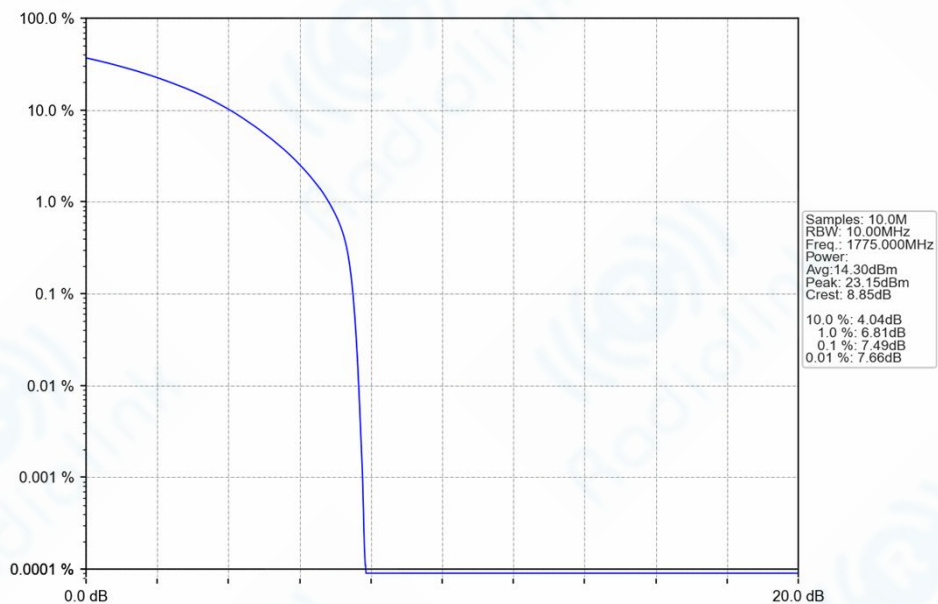
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n66_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_1745MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_1775MHz_Outer_Full_Ant1

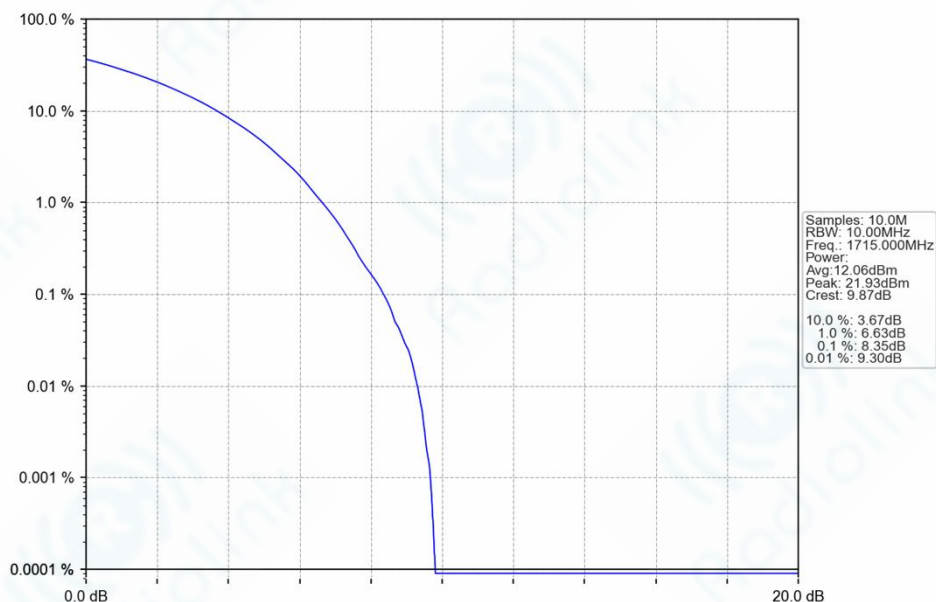


Radiolink Testing (Shenzhen) Co., Ltd.

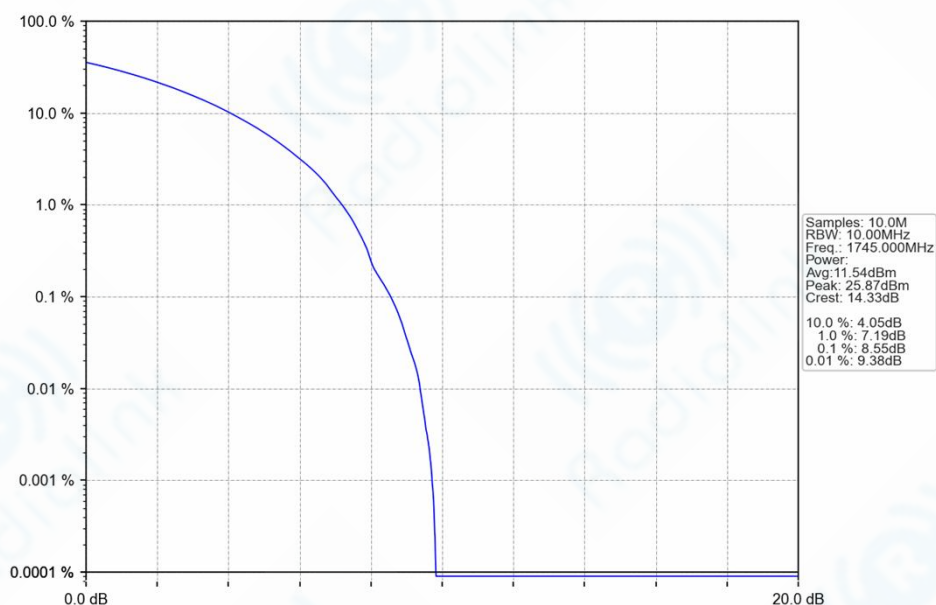
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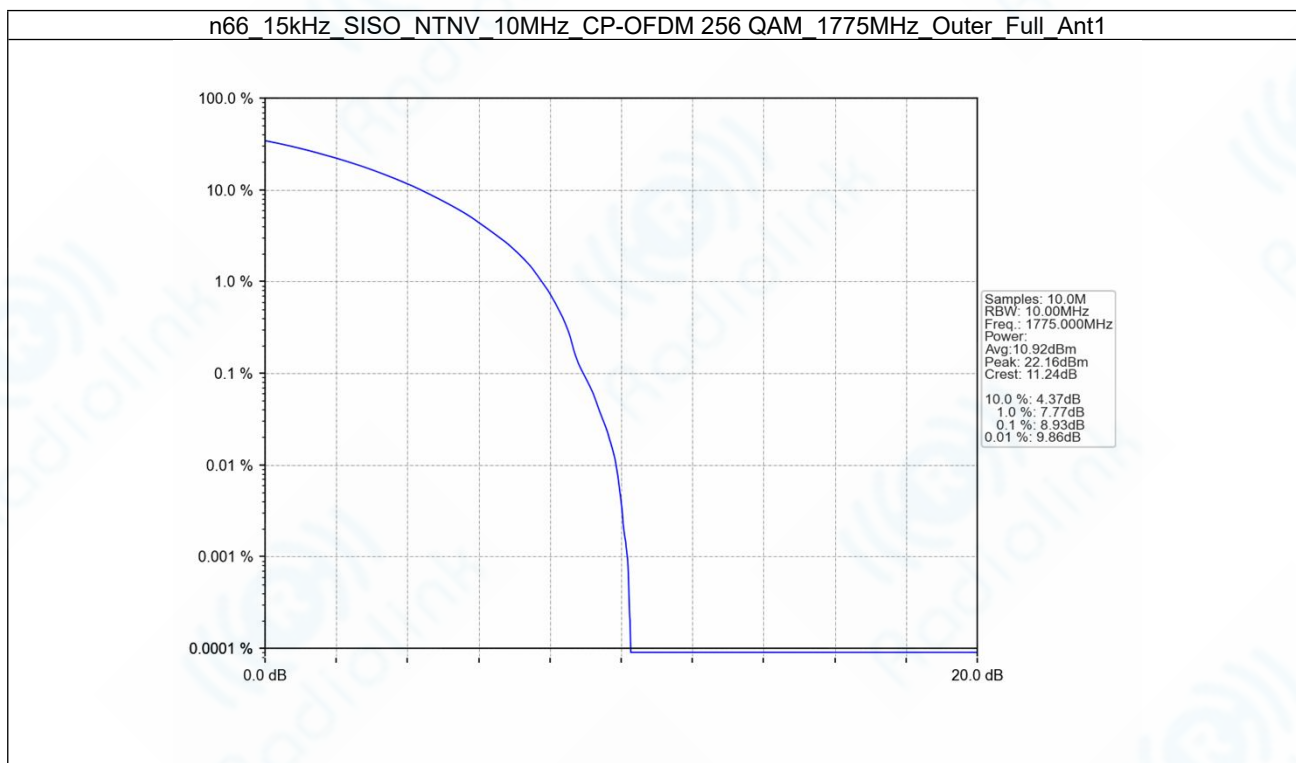
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n66_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_1715MHz_Outer_Full_Ant1



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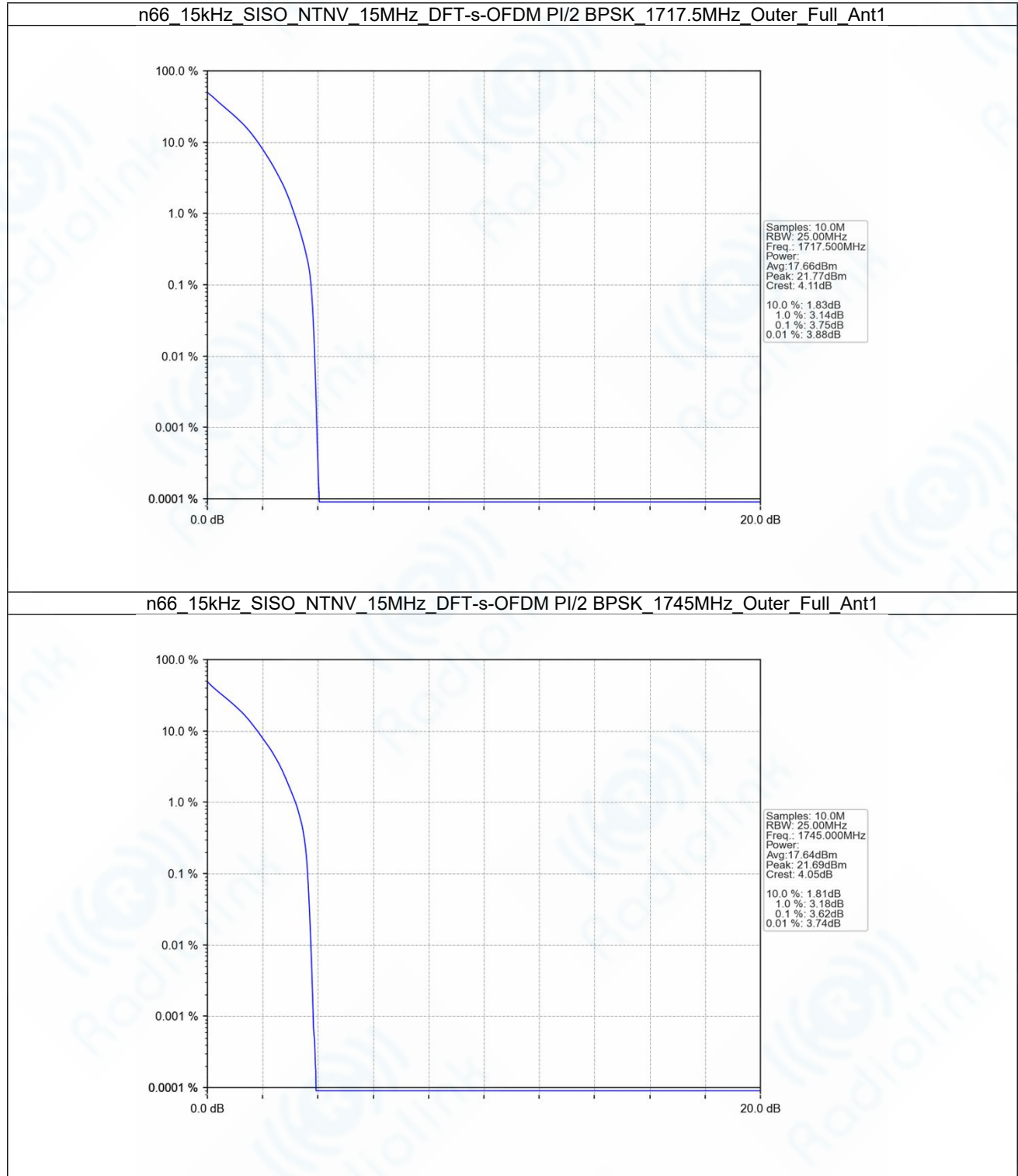




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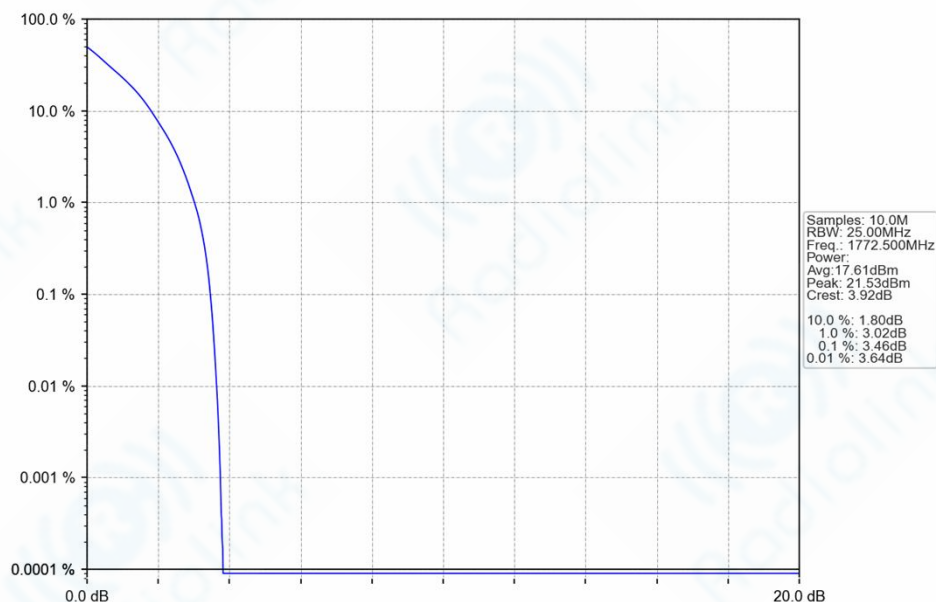
4.2.3 15_S_15M_NTNV



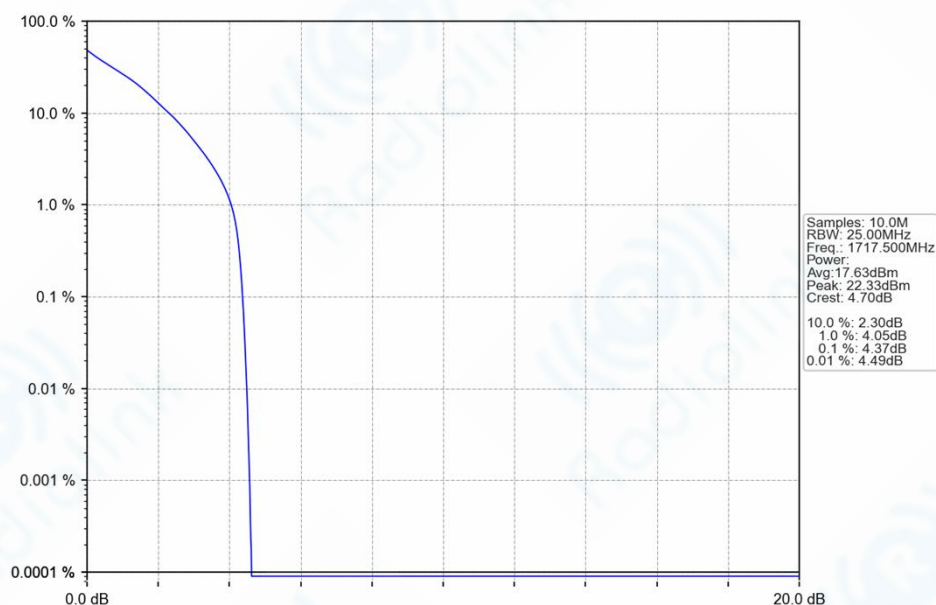
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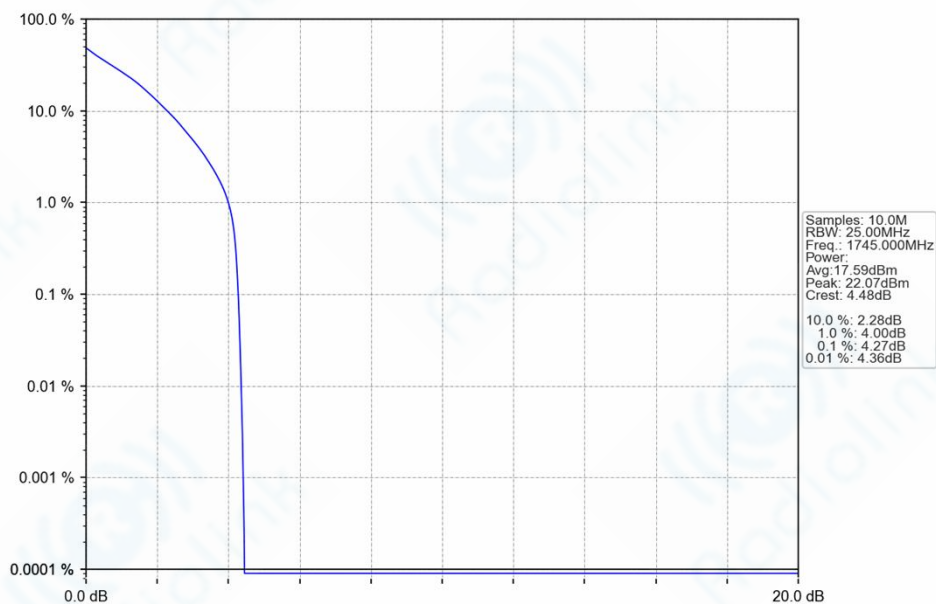
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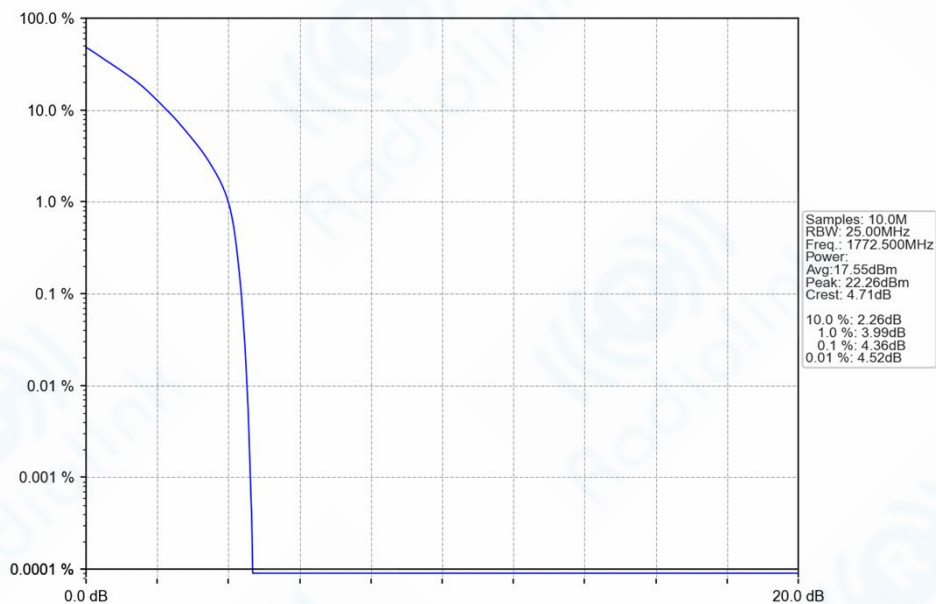
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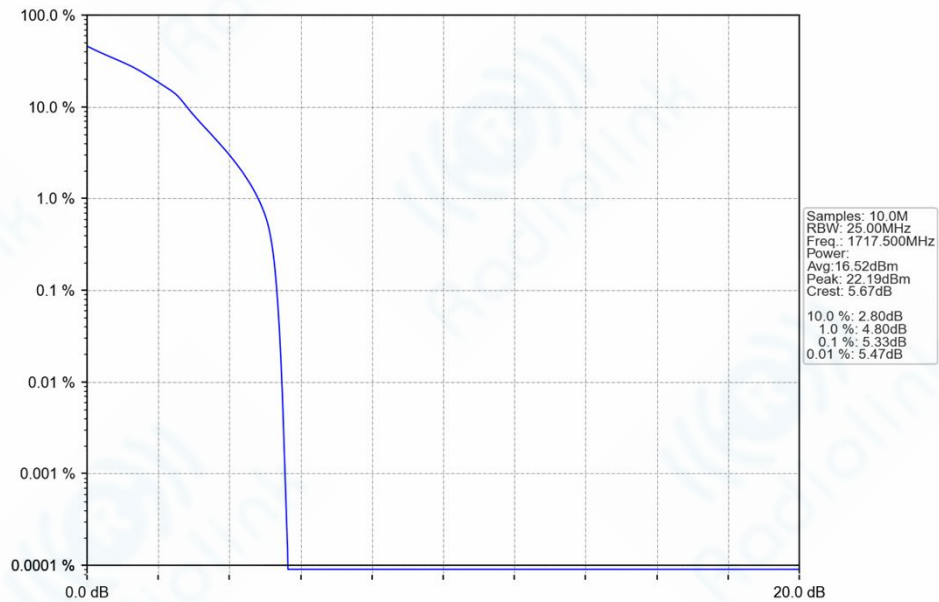
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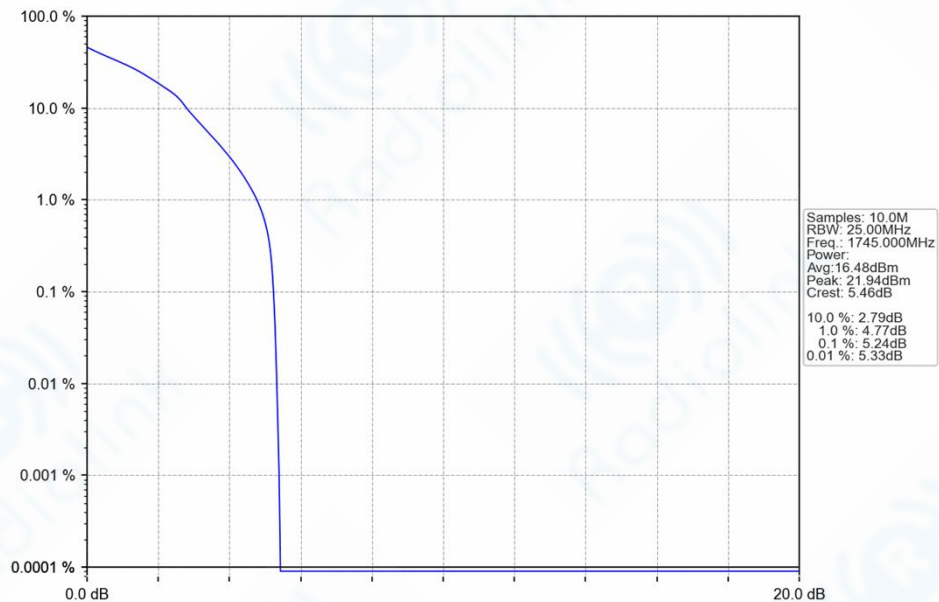
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n66_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_1717.5MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_1745MHz_Outer_Full_Ant1

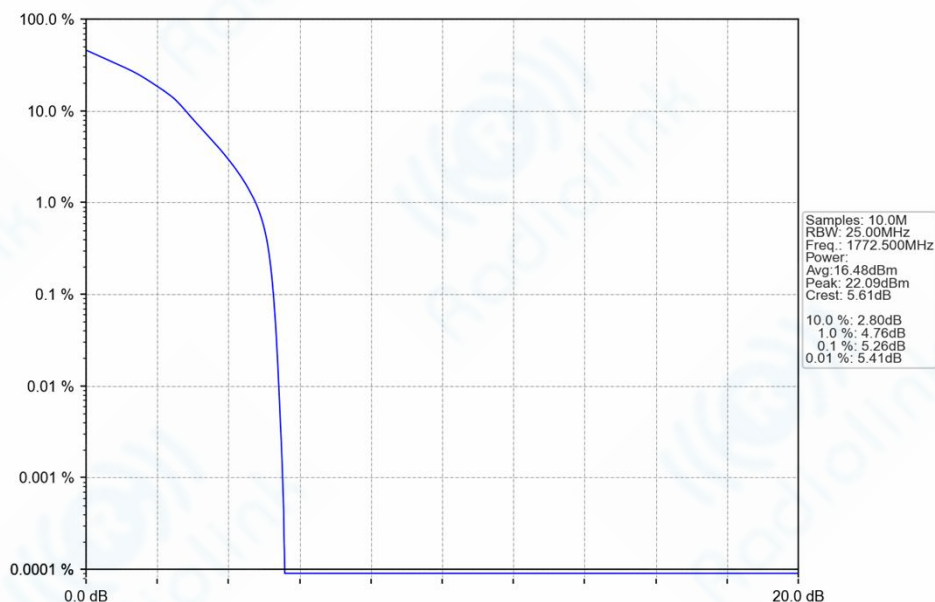


Radiolink Testing (Shenzhen) Co., Ltd.

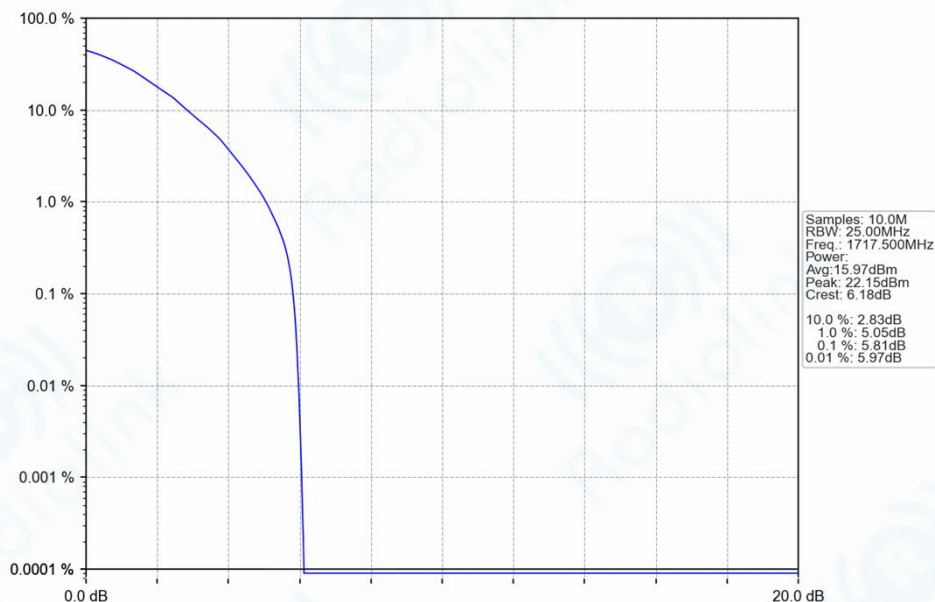
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Tel: +86 0755 23080694

n66_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_1772.5MHz_Outer_Full_Ant1



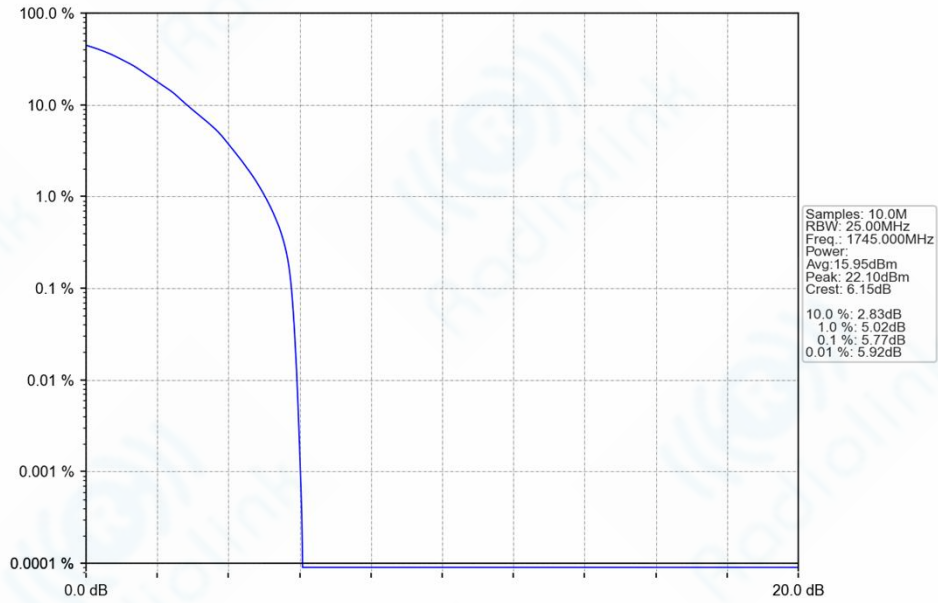
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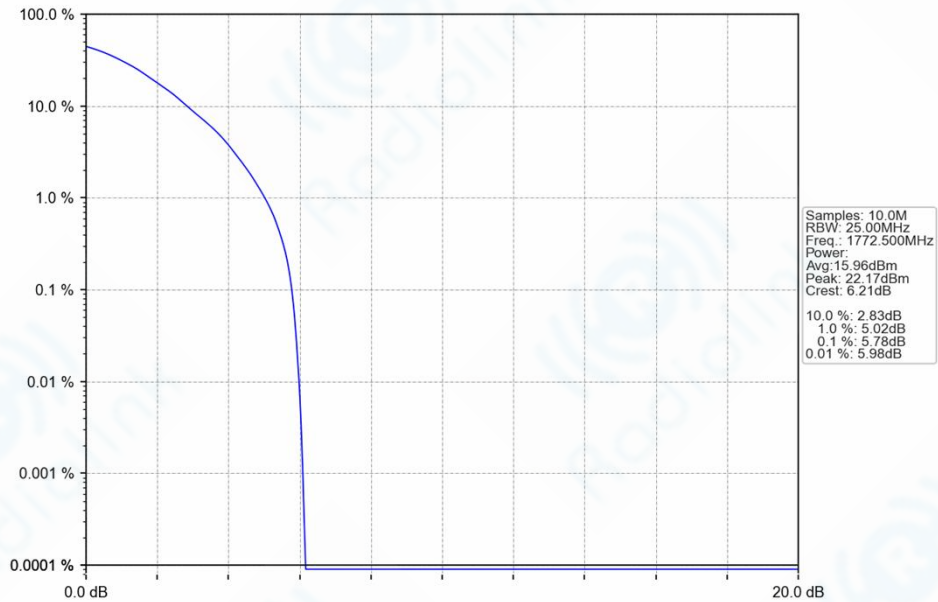
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Shenzhen, Guangdong Province, China
Tel: +86 0755 23080694

n66_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_1745MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_1772.5MHz_Outer_Full_Ant1

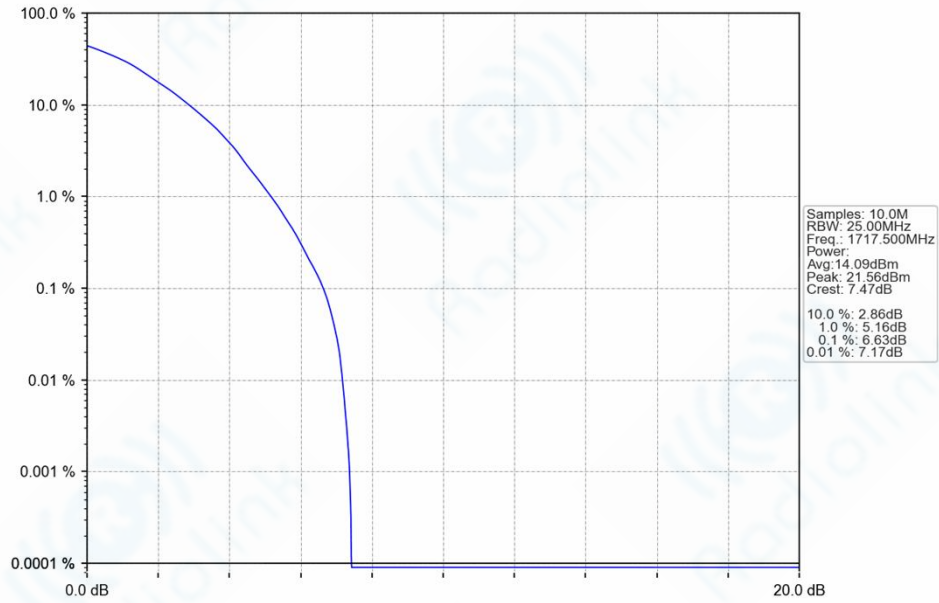


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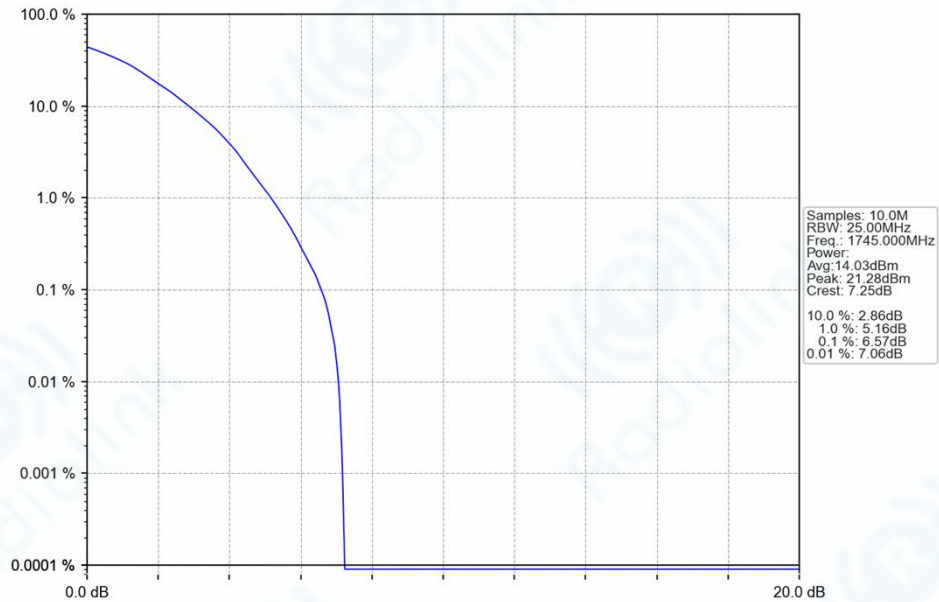
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n66_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_1717.5MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_1745MHz_Outer_Full_Ant1

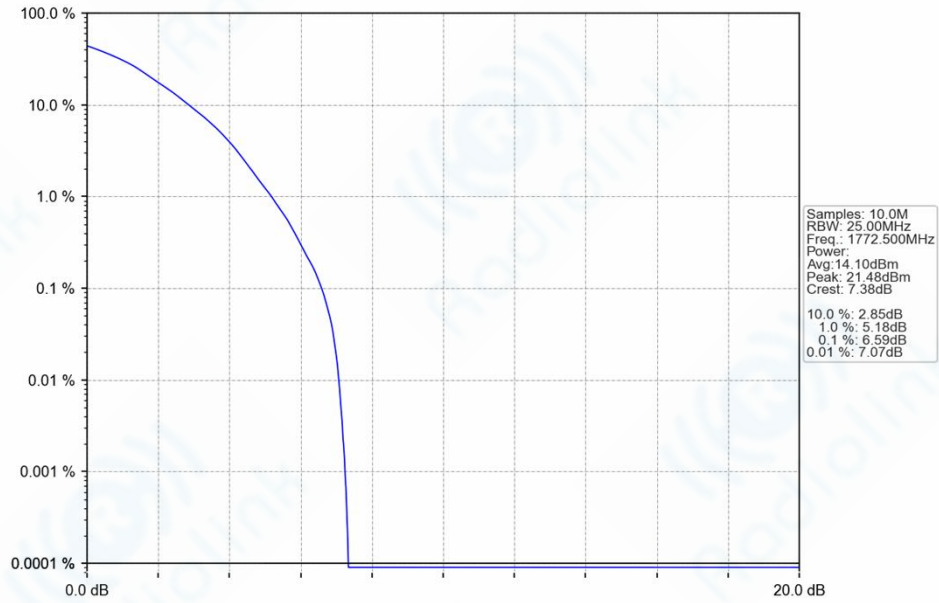


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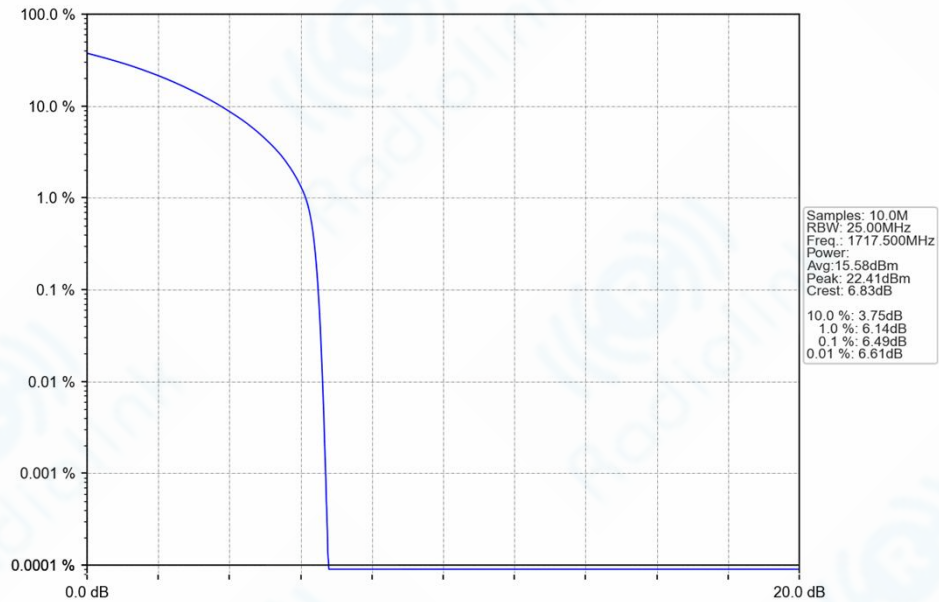
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
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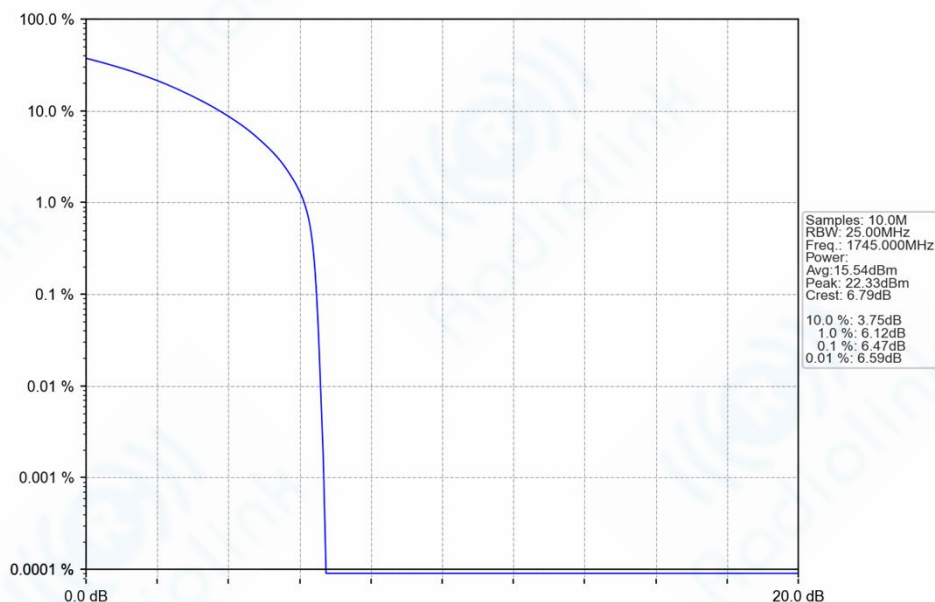
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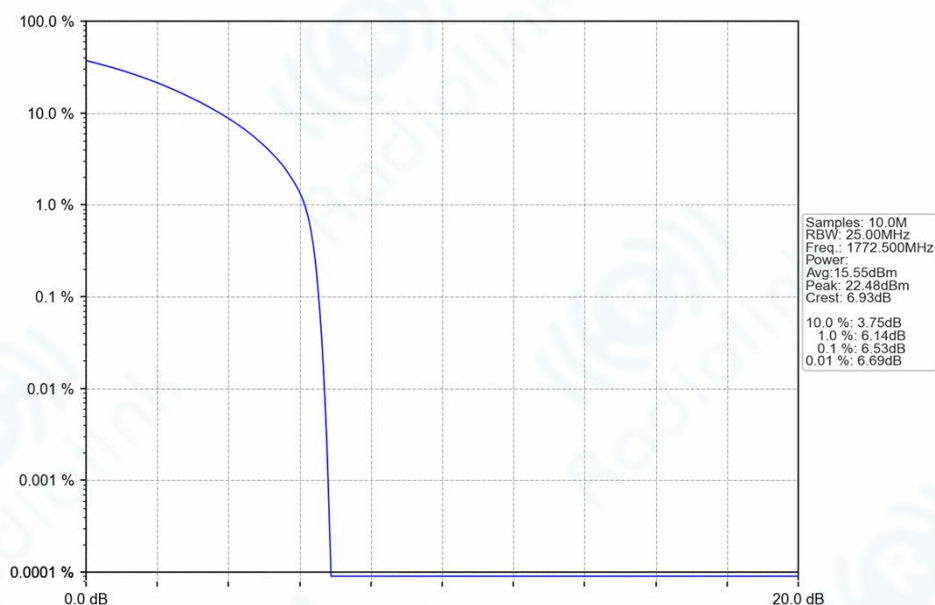
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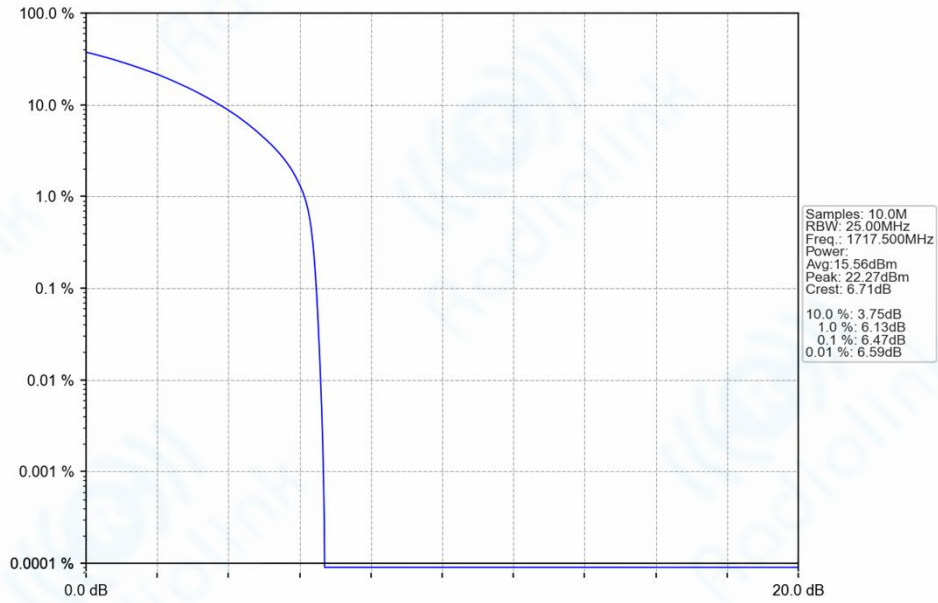


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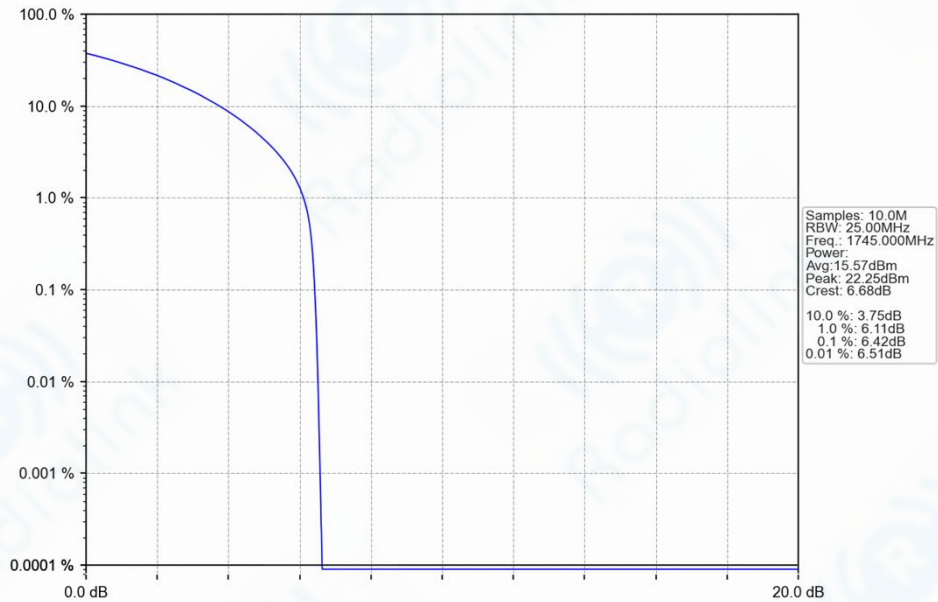

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n66_15kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_1717.5MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_1745MHz_Outer_Full_Ant1

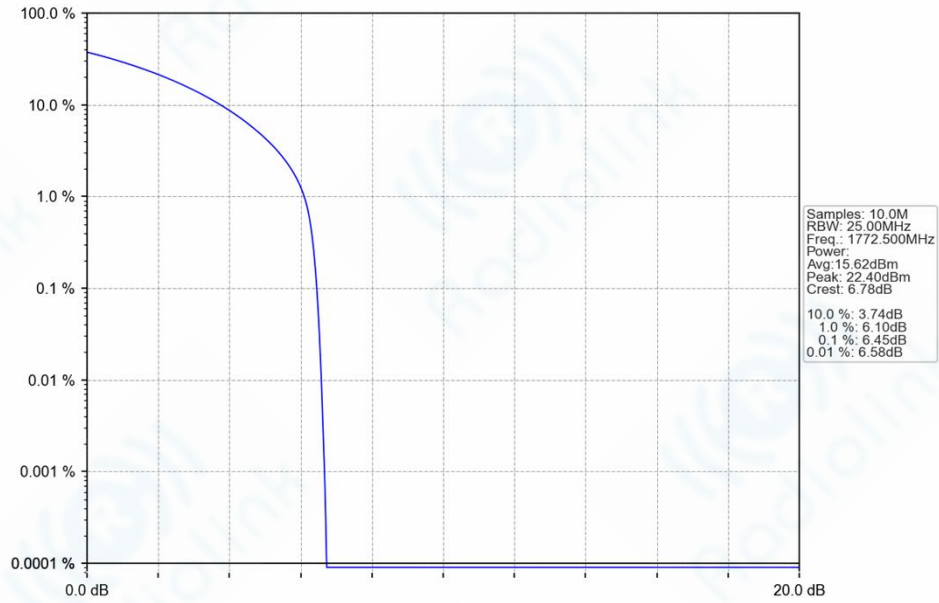


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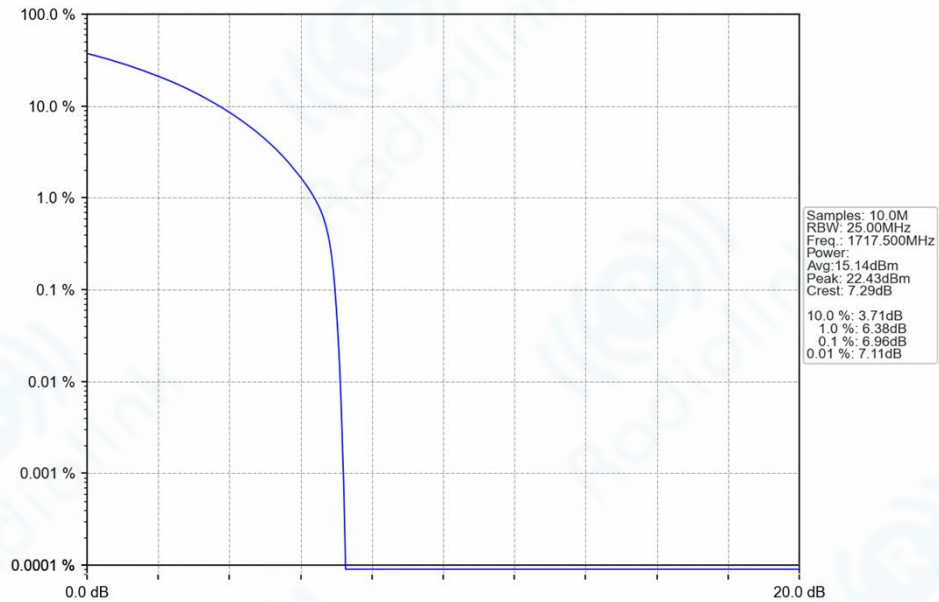
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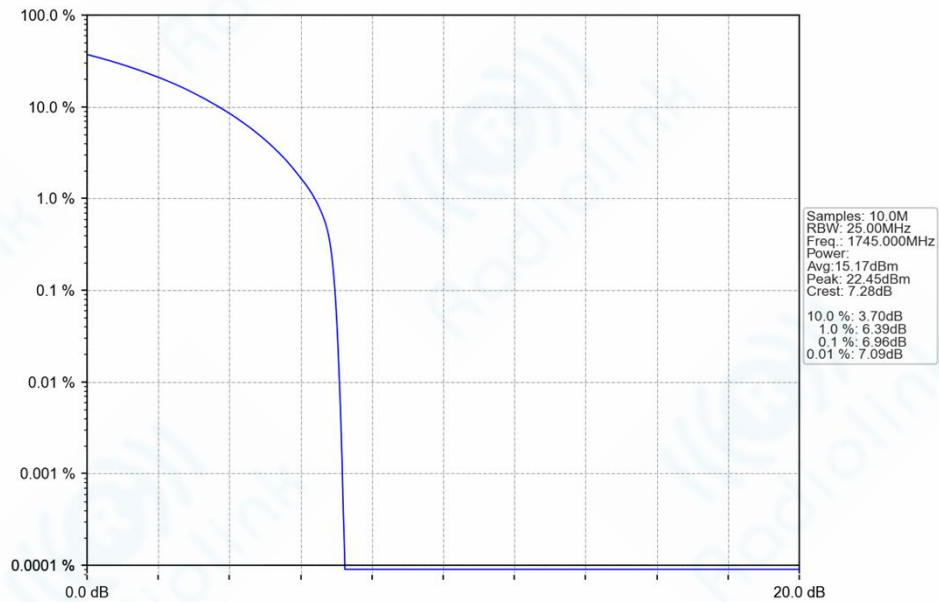
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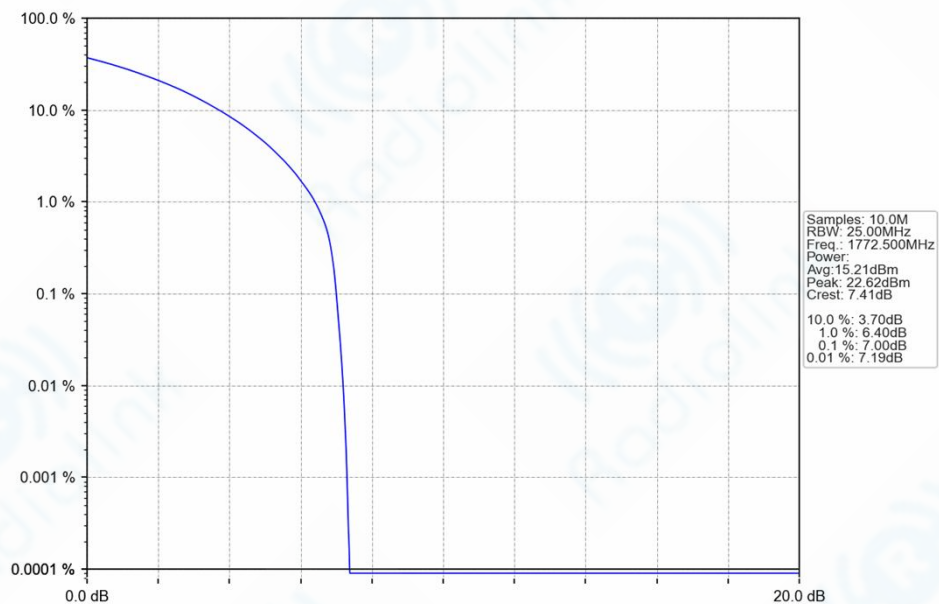
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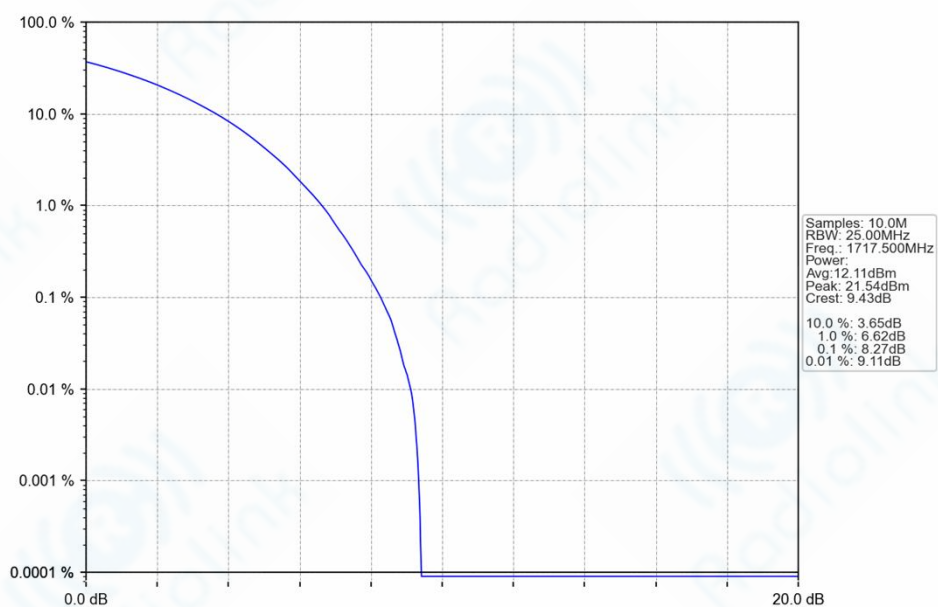
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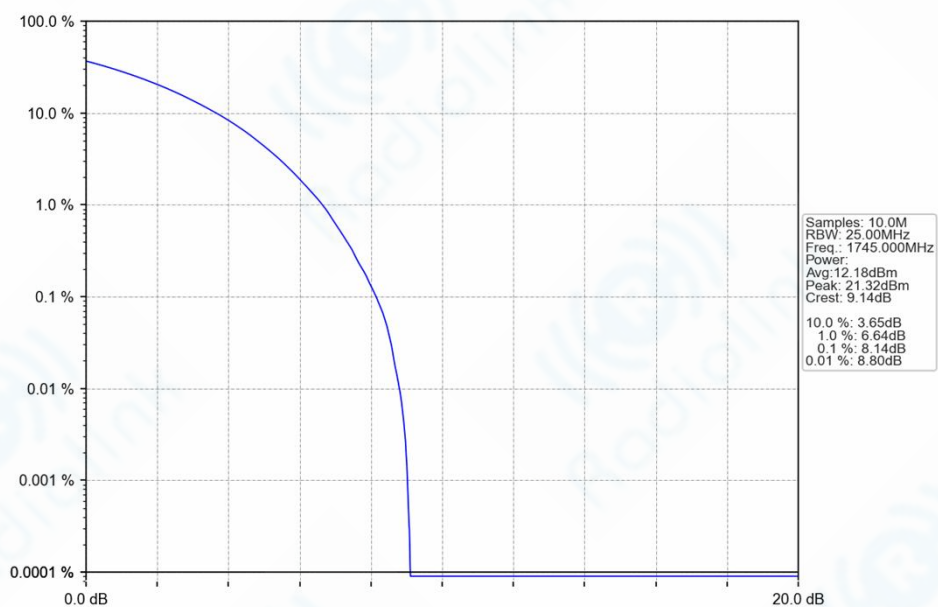
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n66_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_1717.5MHz_Outer_Full_Ant1

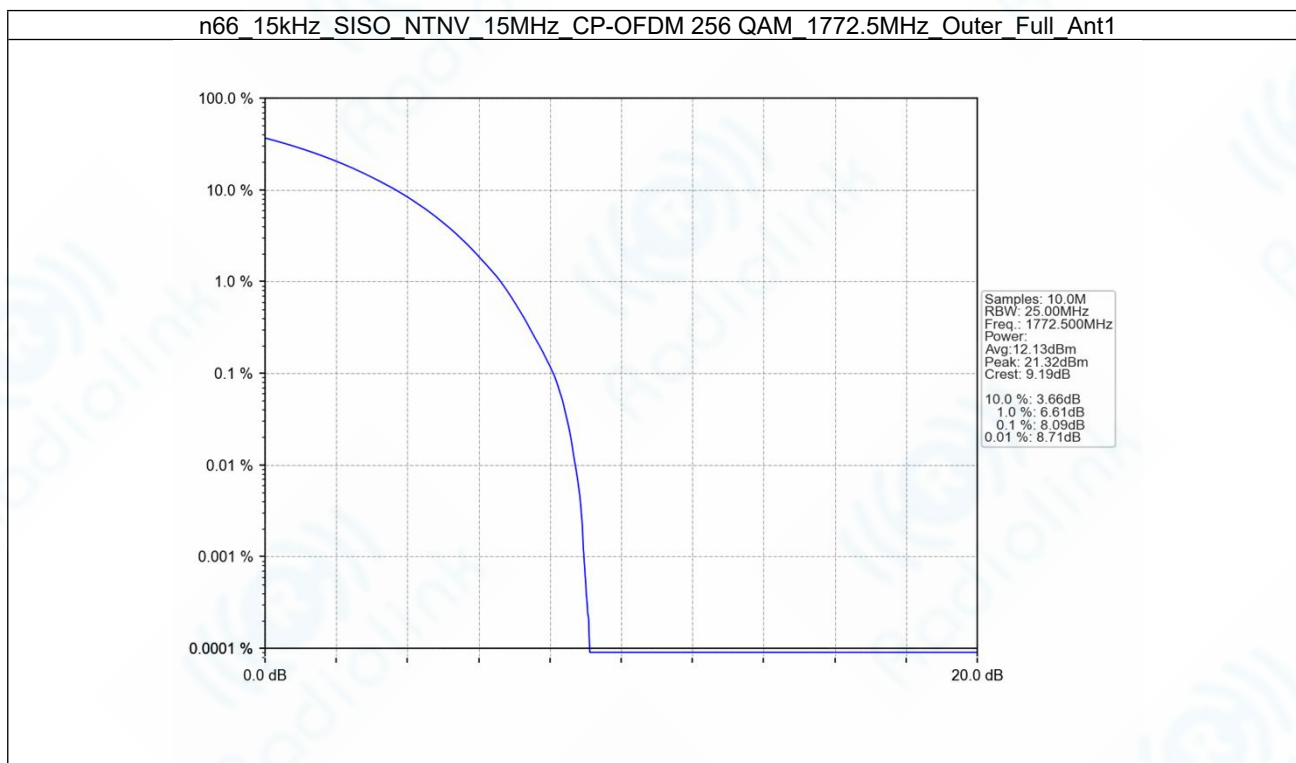


n66_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_1745MHz_Outer_Full_Ant1


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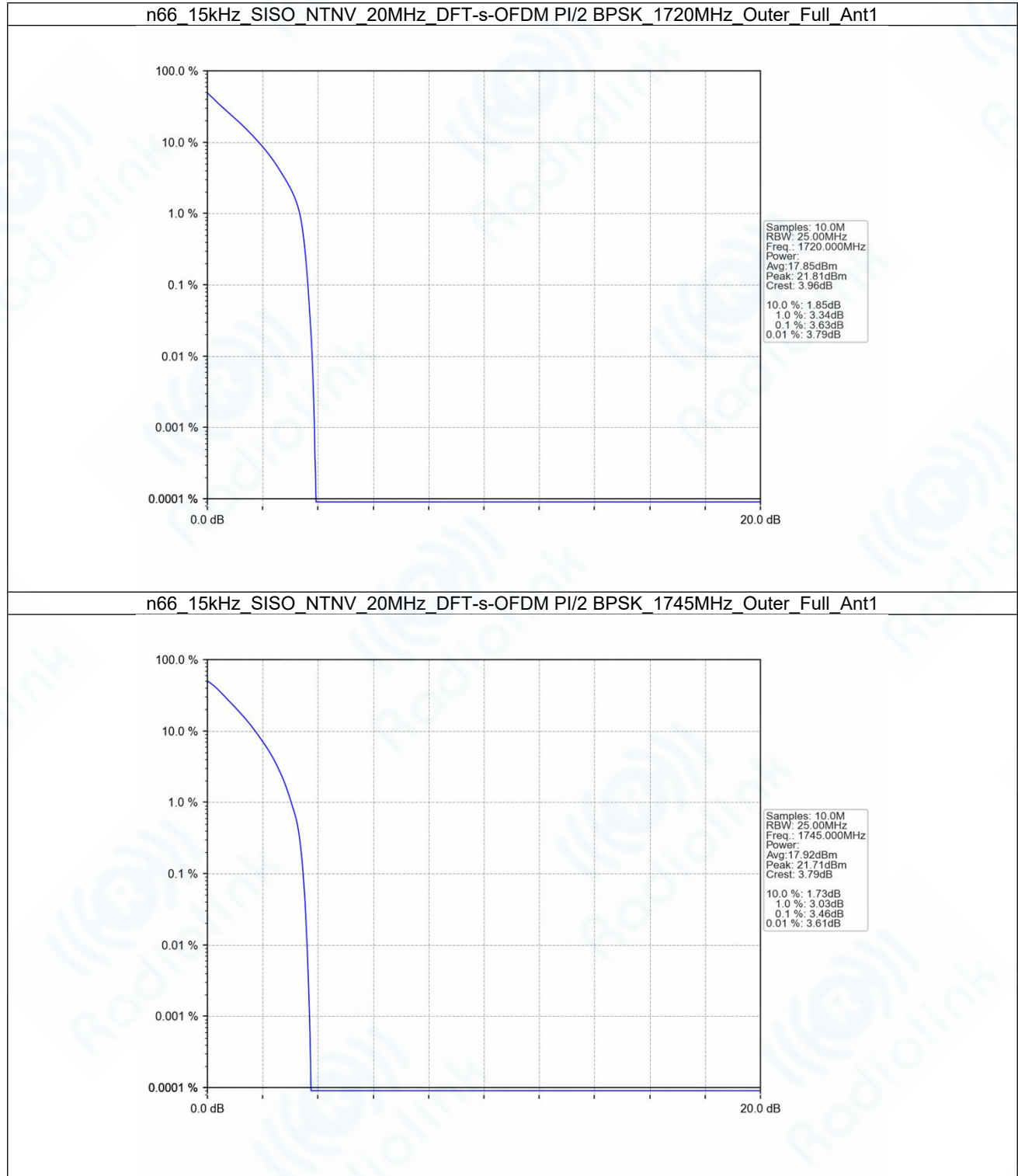
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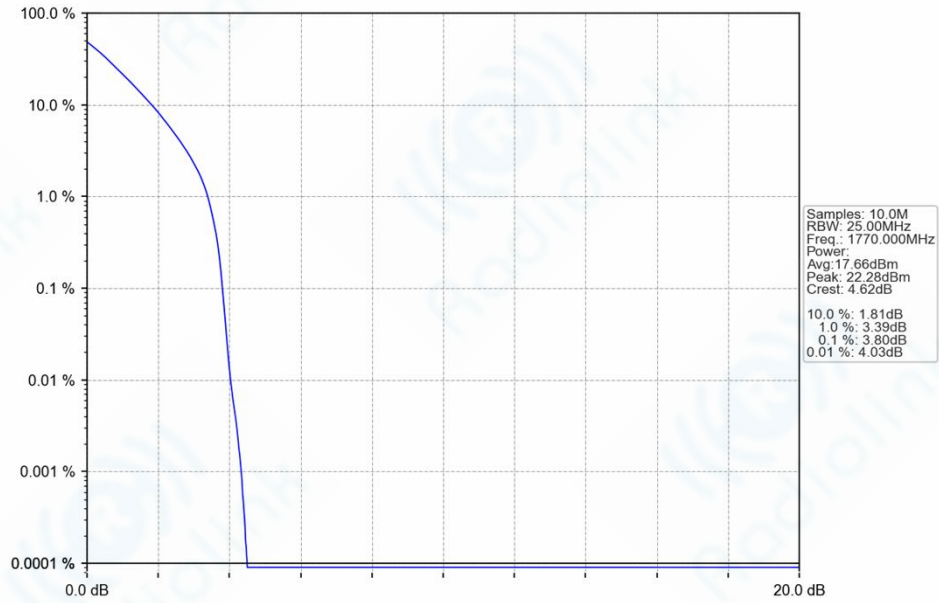
4.2.4 15_S_20M_NTNV



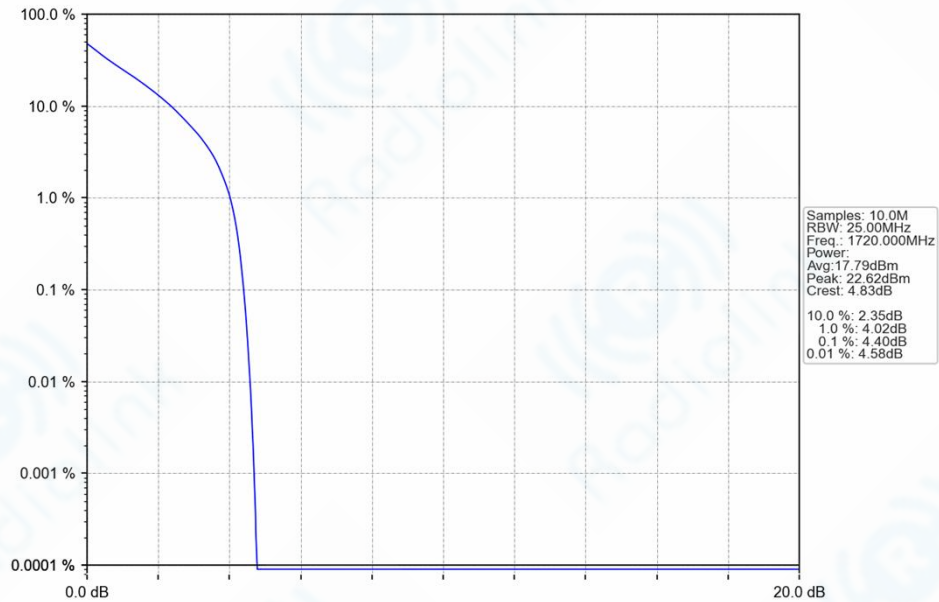
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n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_1770MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_1720MHz_Outer_Full_Ant1



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