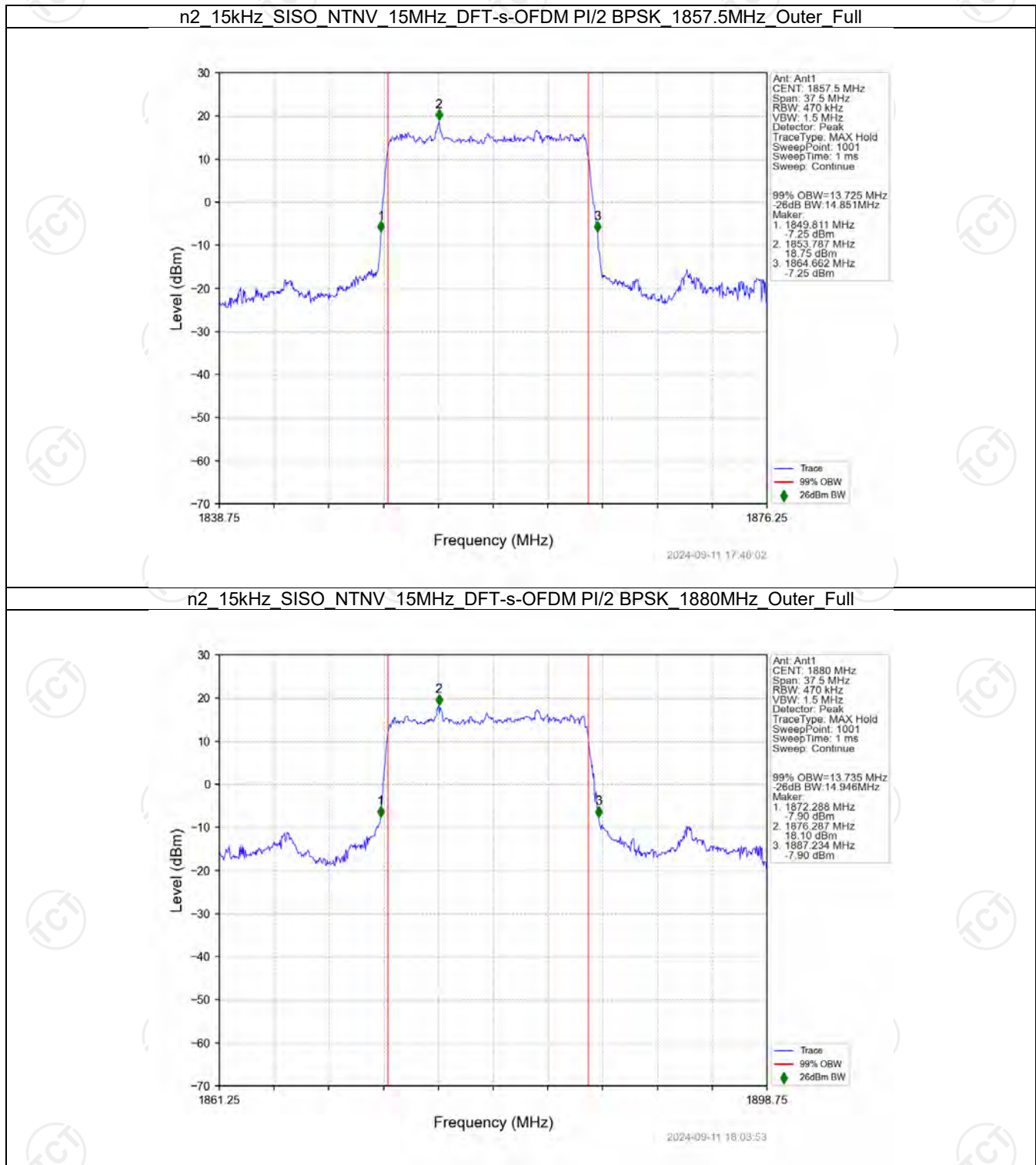
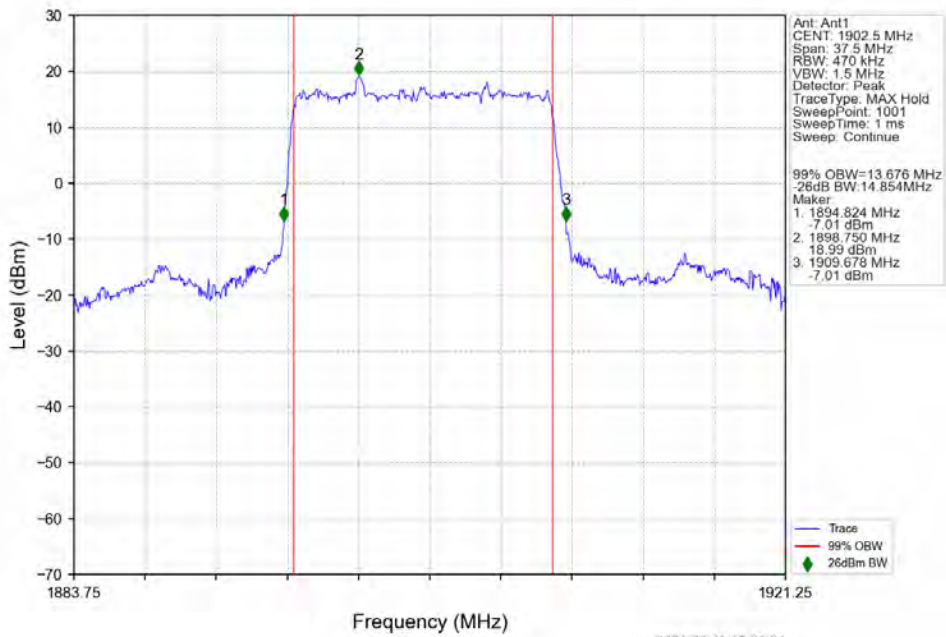


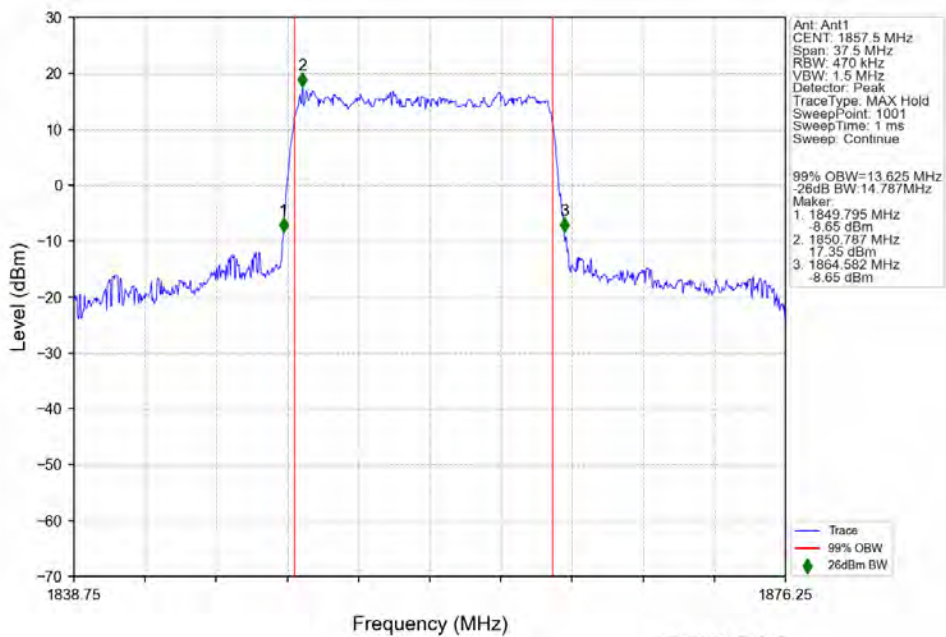
4.2.3 15k\_SISO\_15MHz\_NTNV



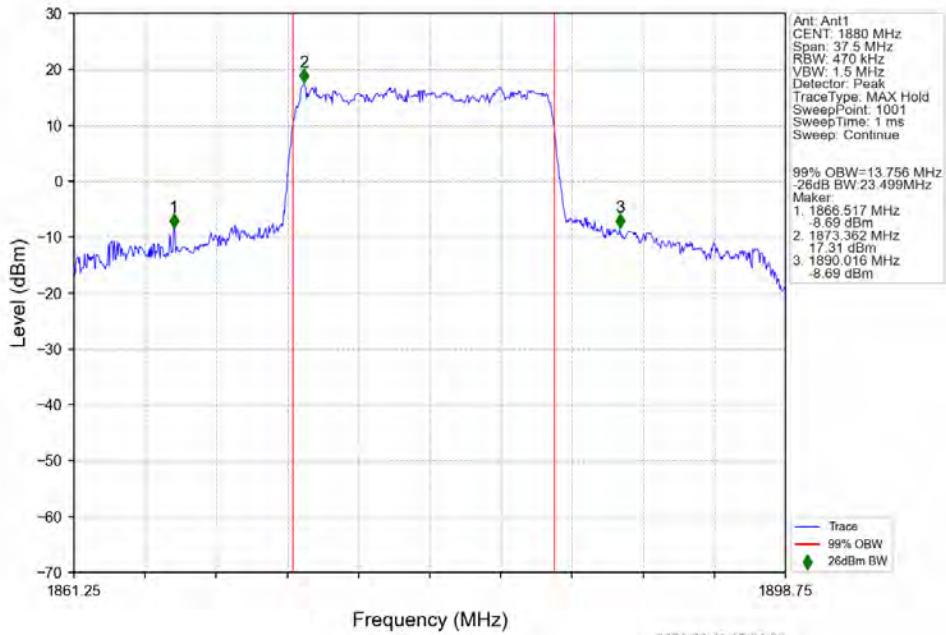
n2 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 1902.5MHz Outer Full



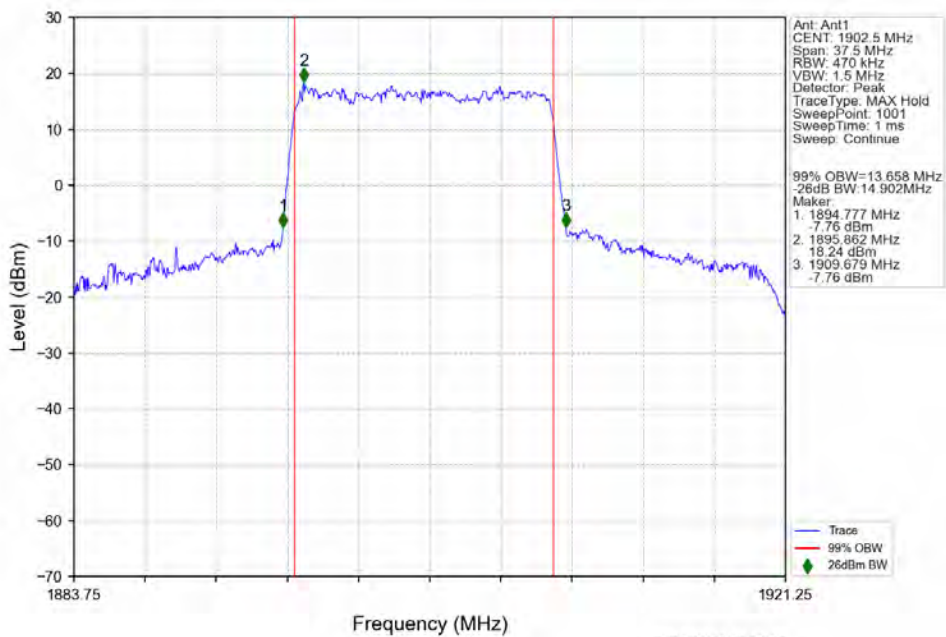
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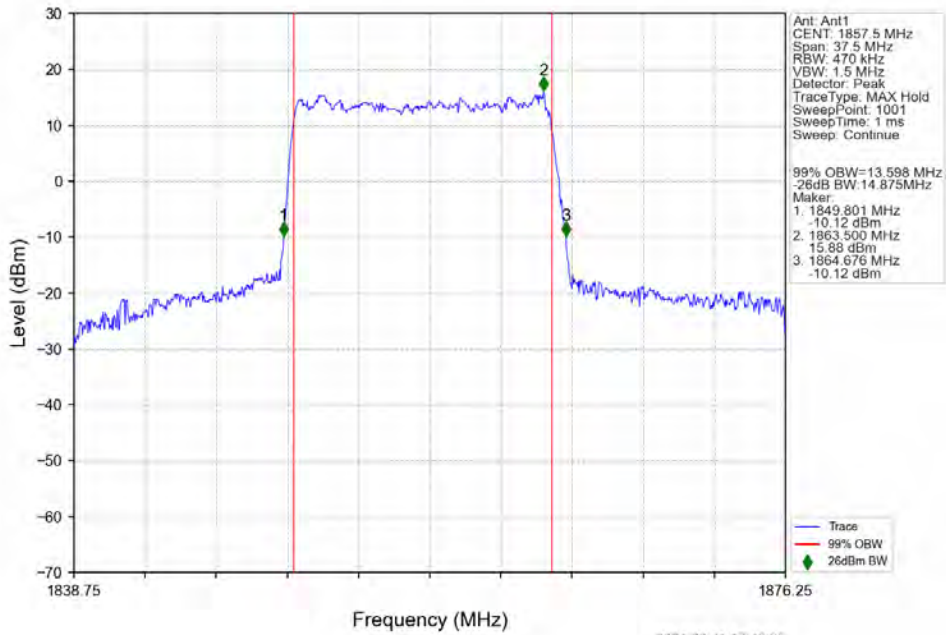
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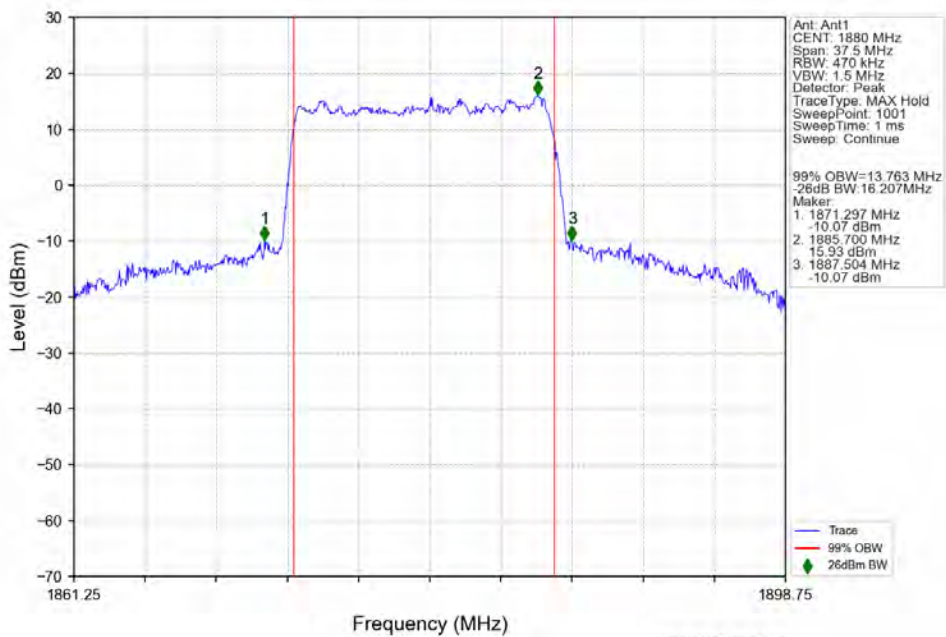
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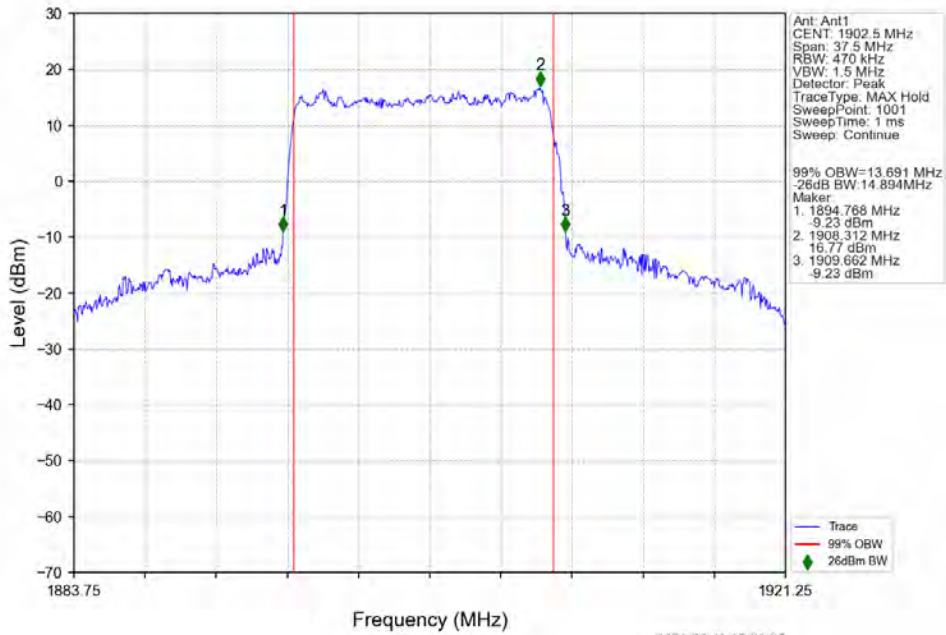
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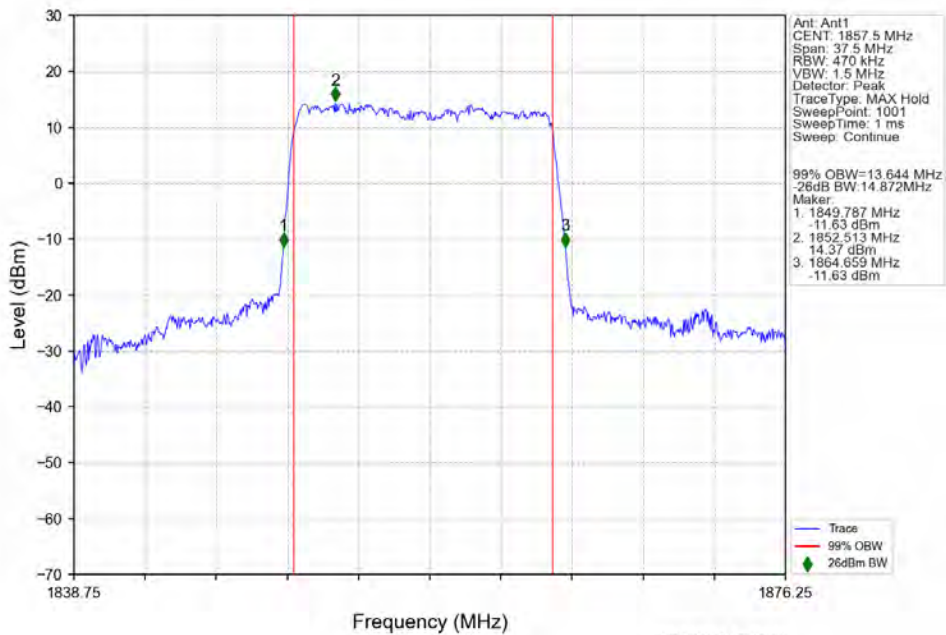
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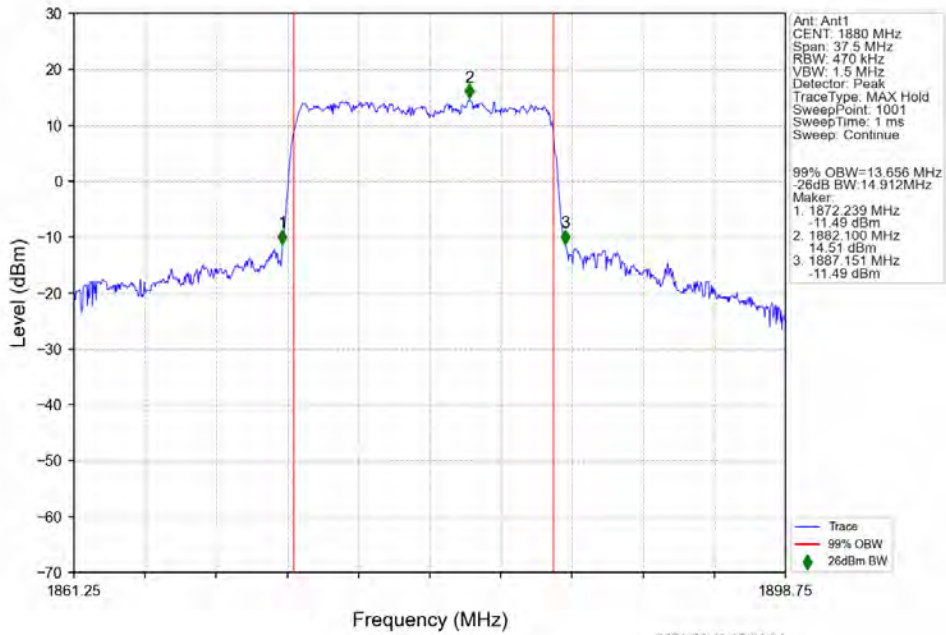
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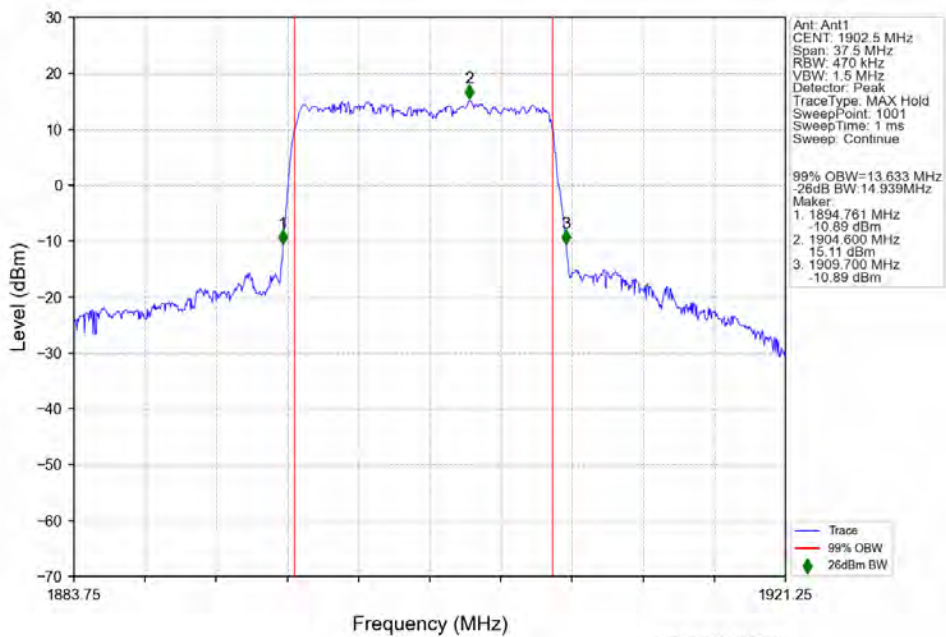
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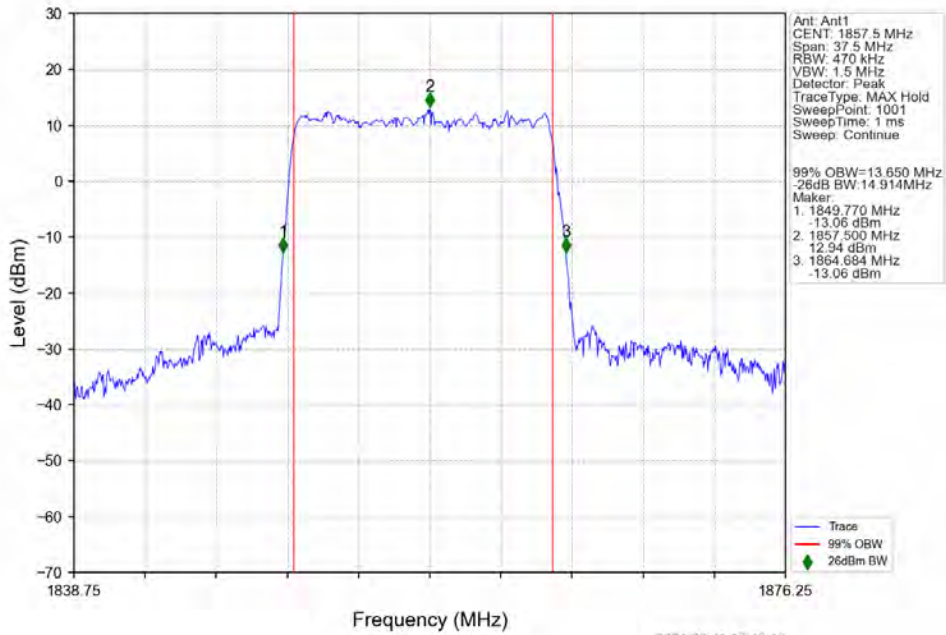
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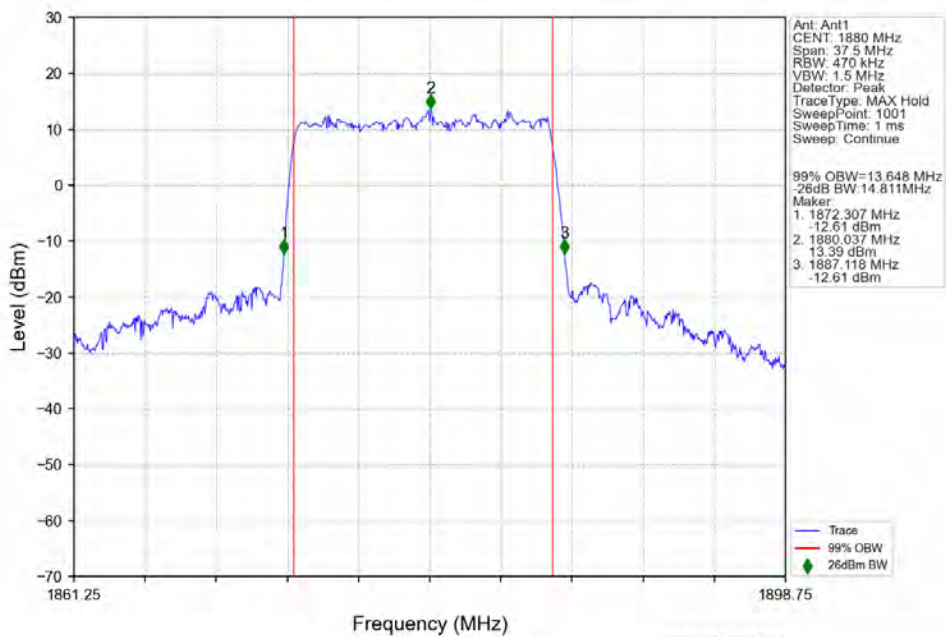
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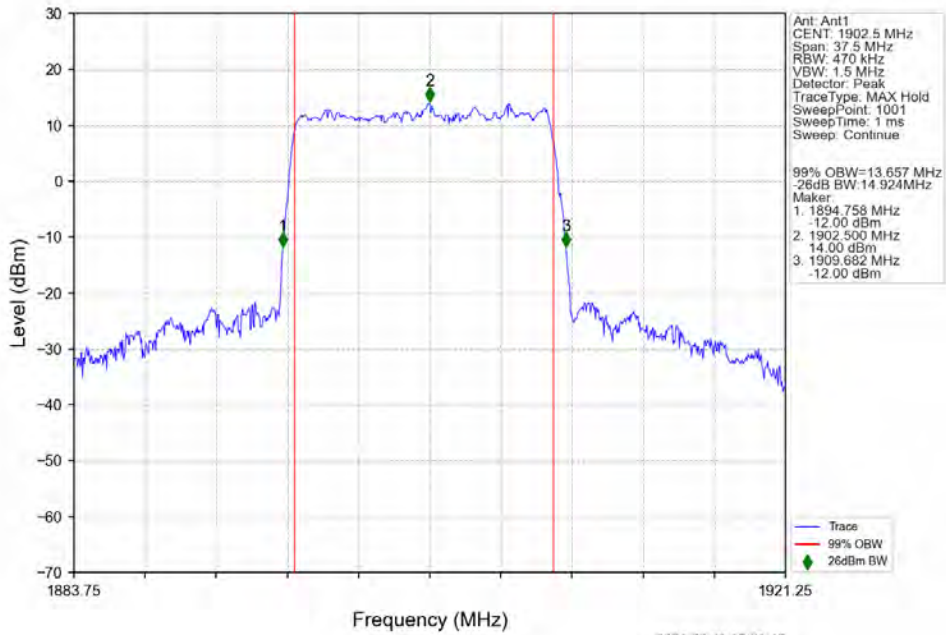
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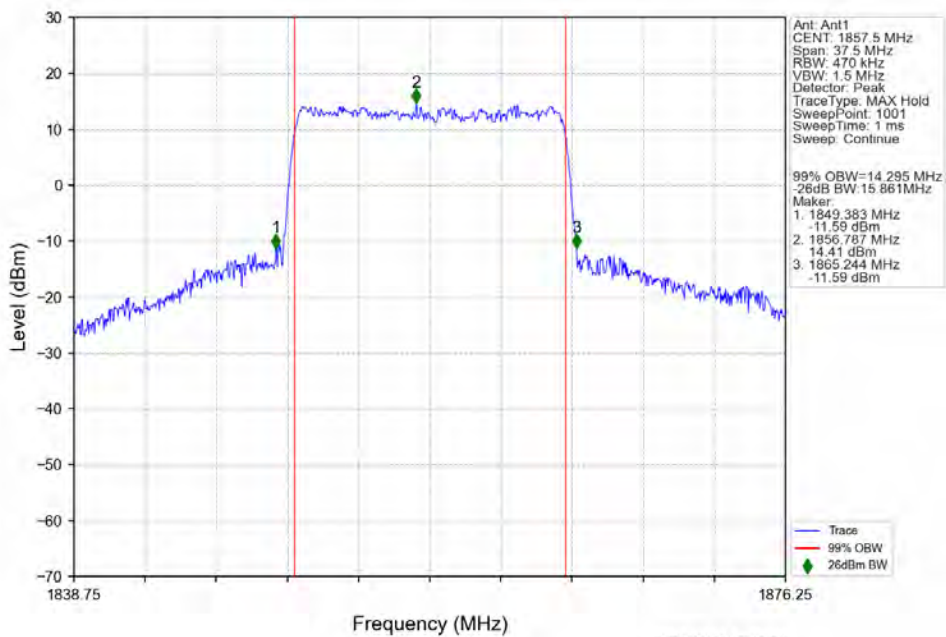
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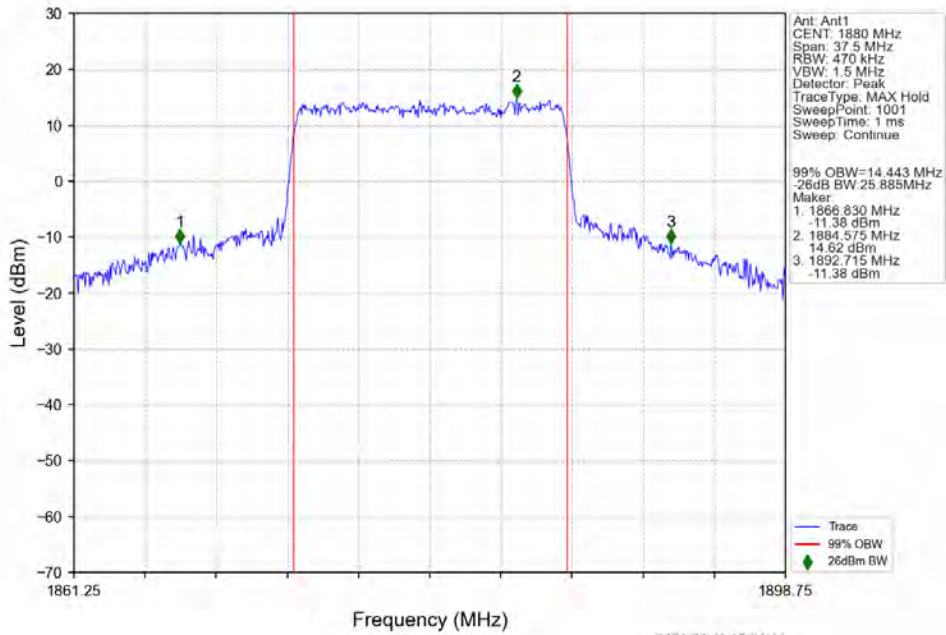


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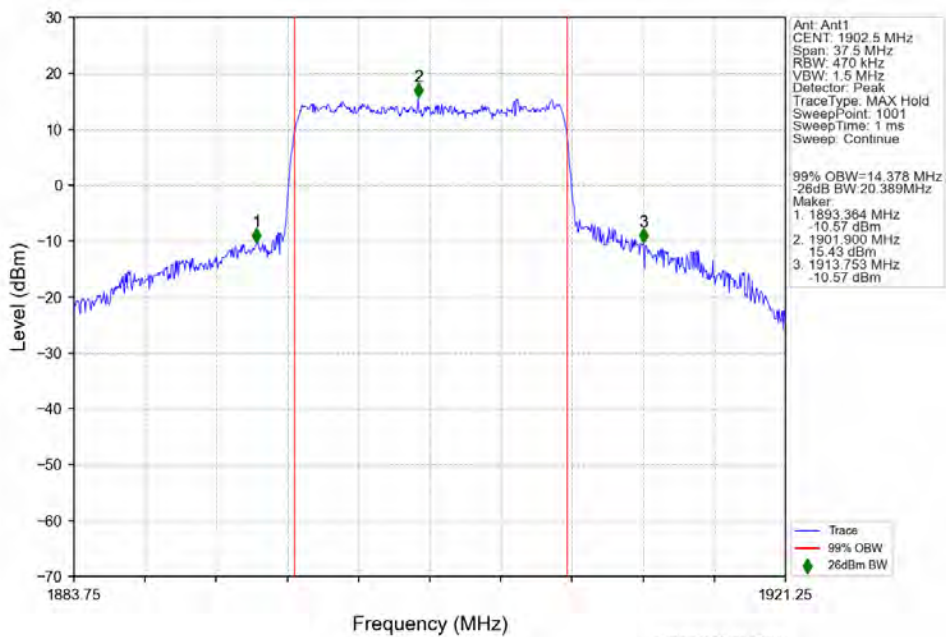




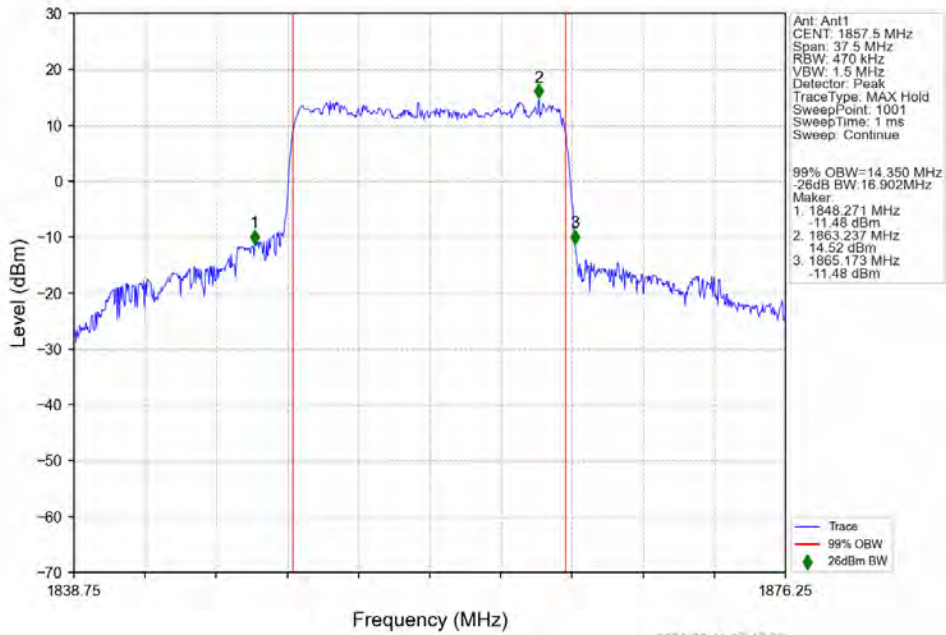
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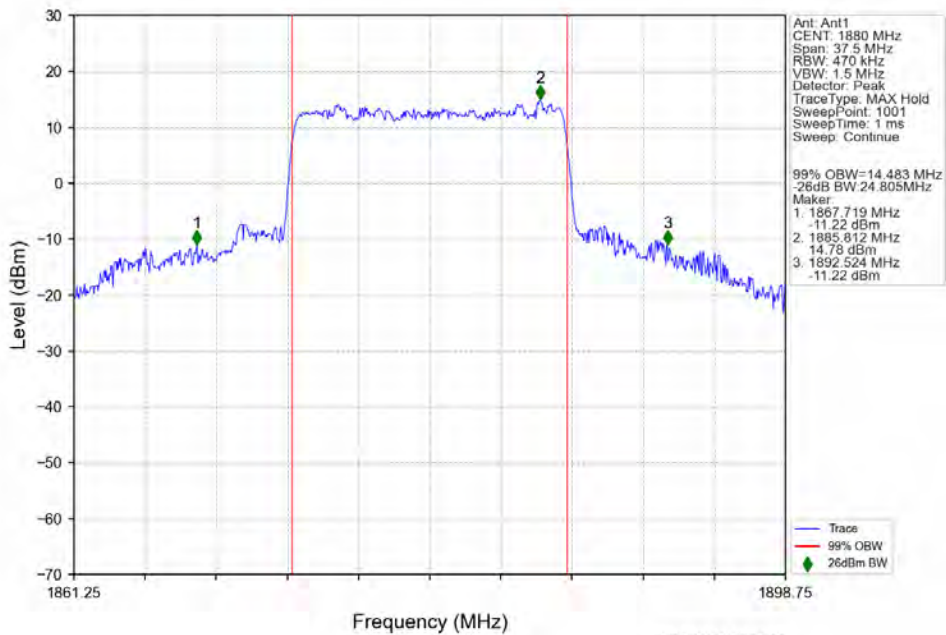
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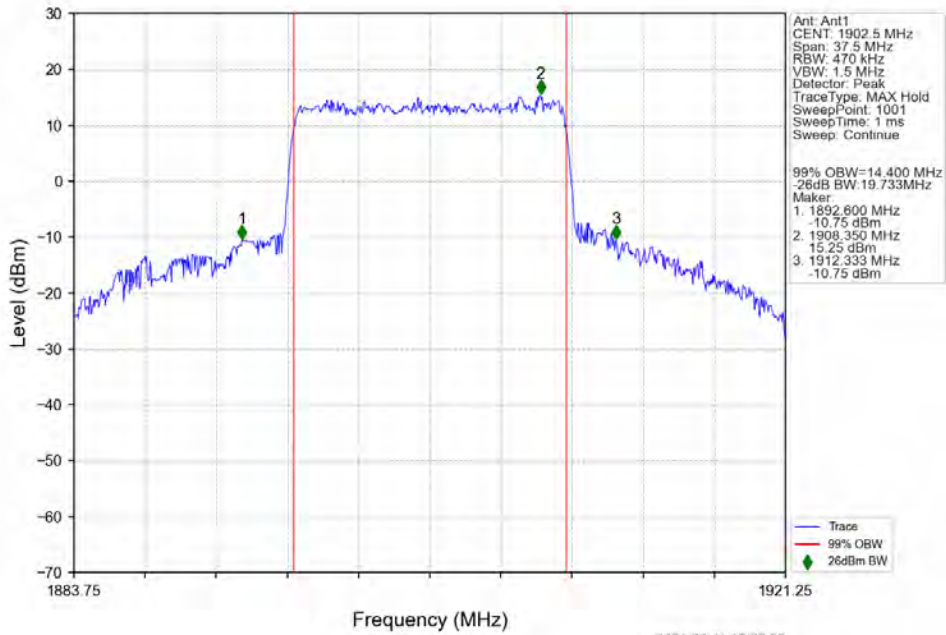
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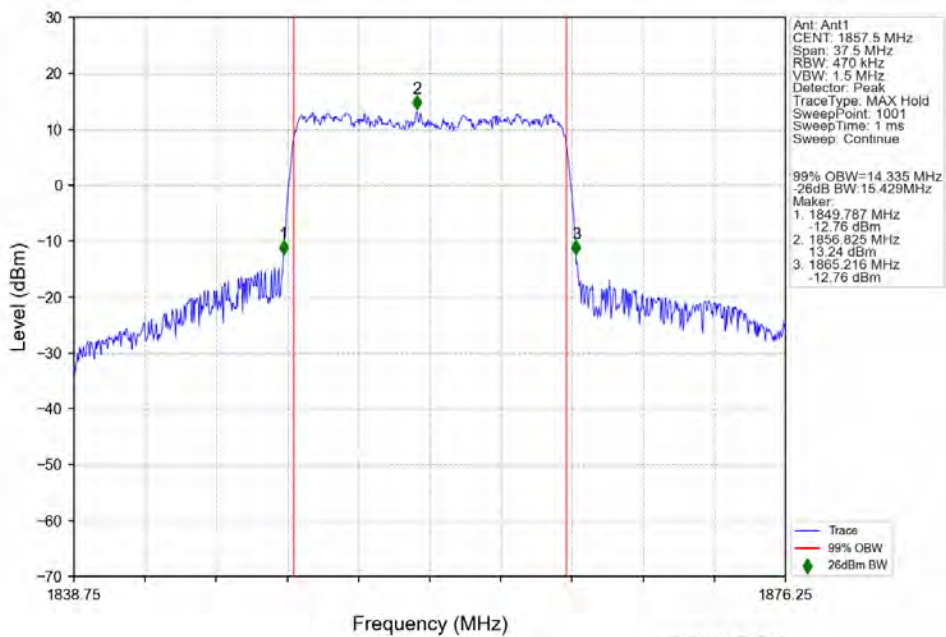
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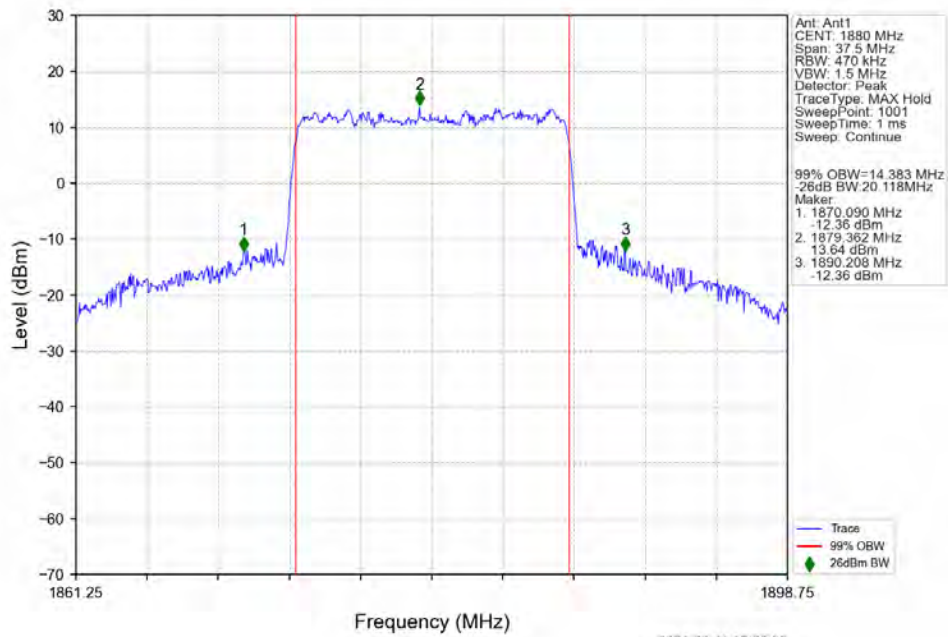
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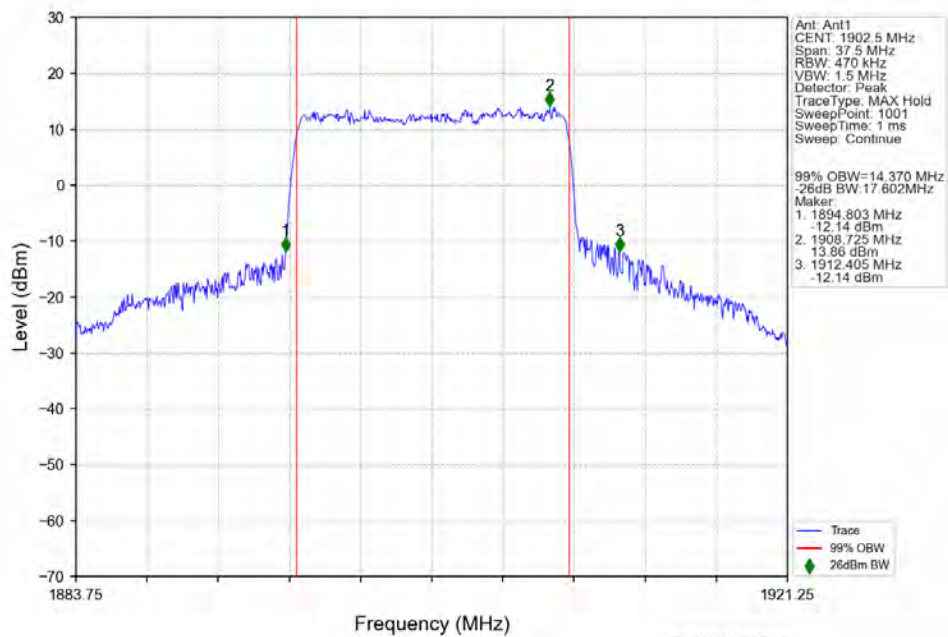
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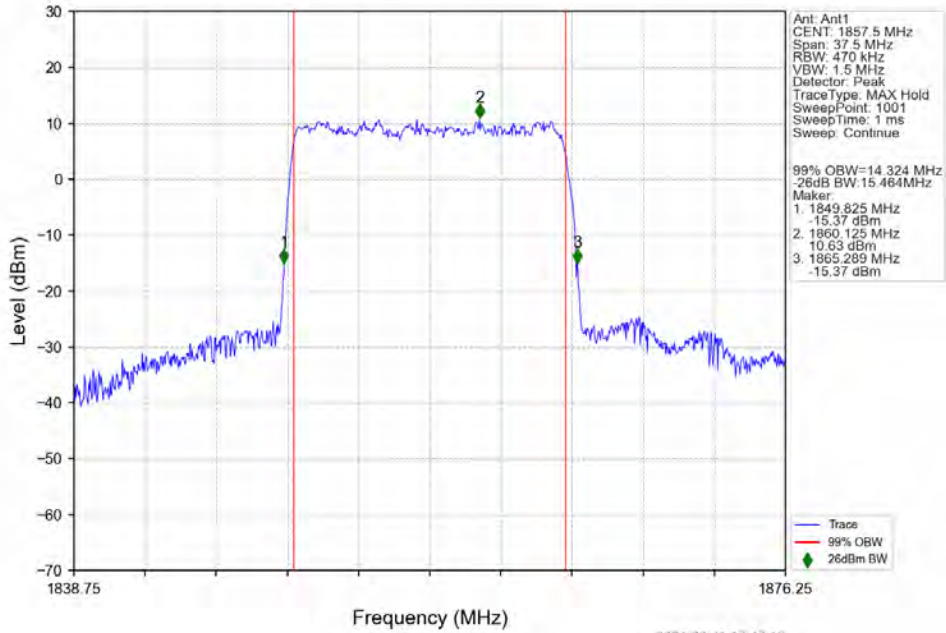
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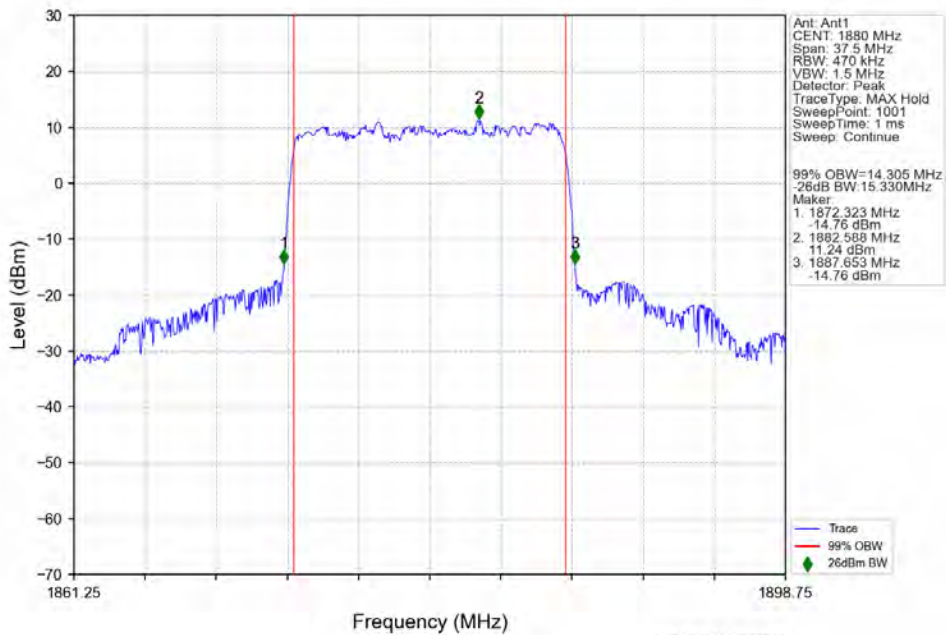
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n2 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 1857.5MHz Outer Full



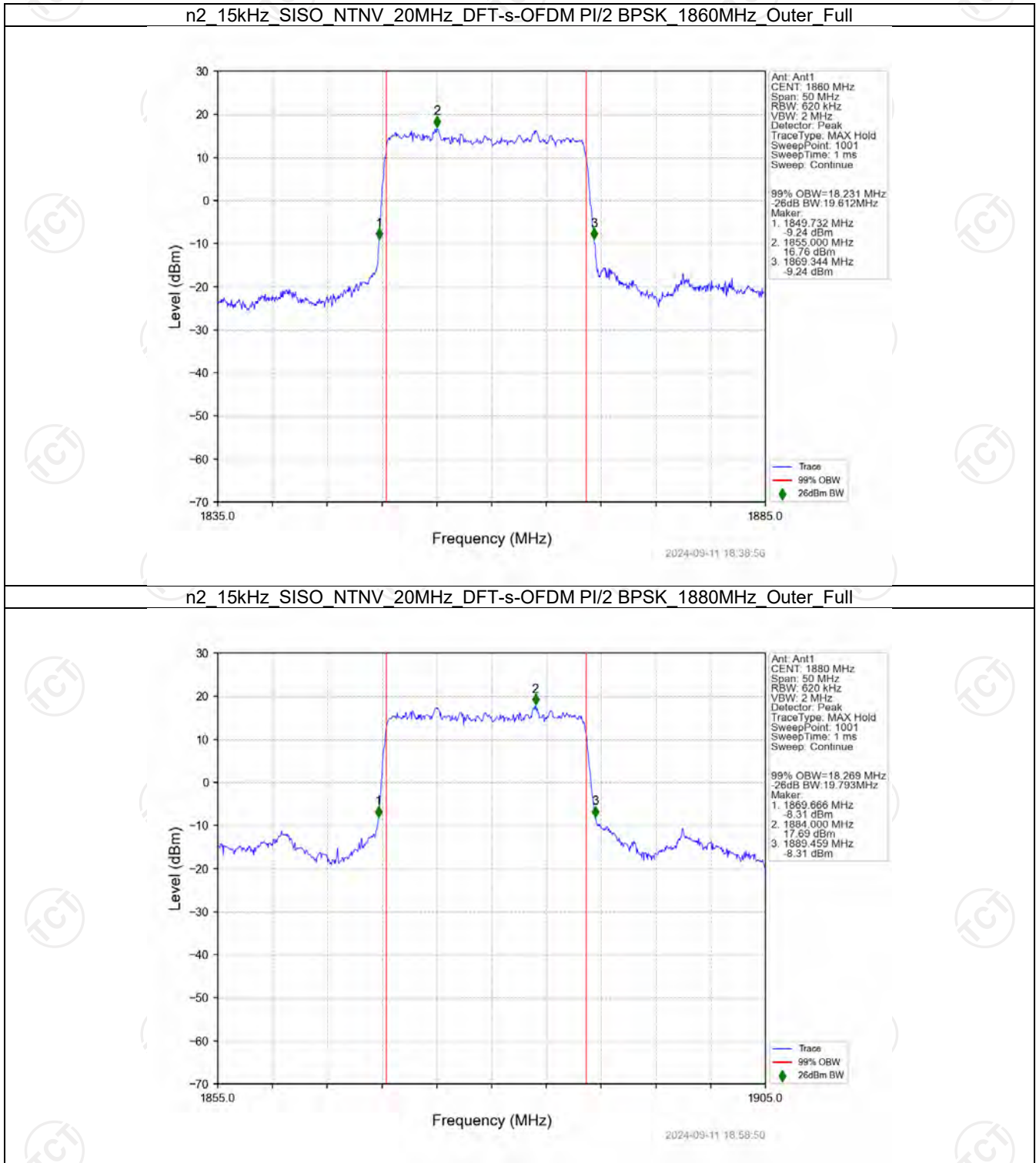
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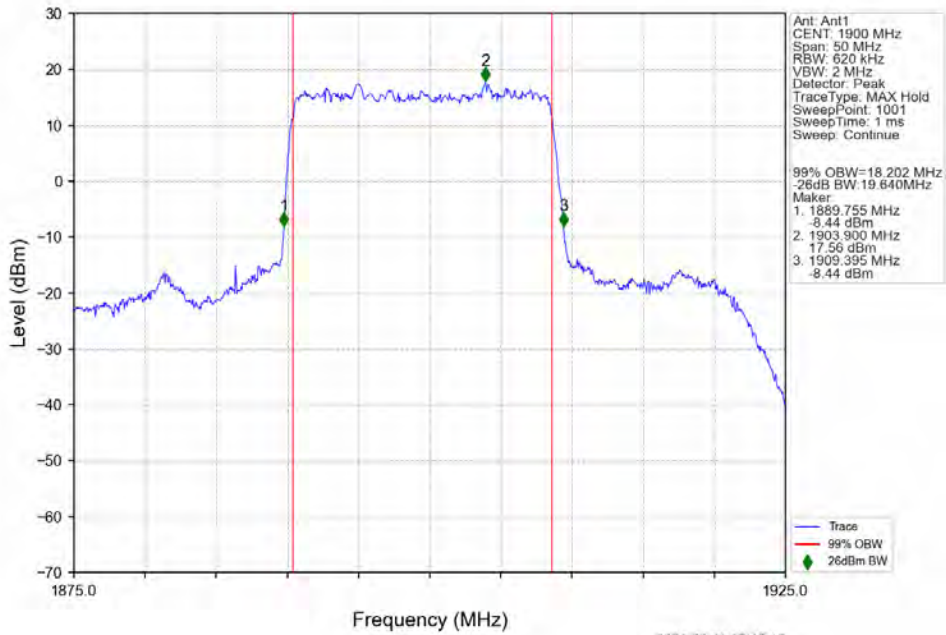
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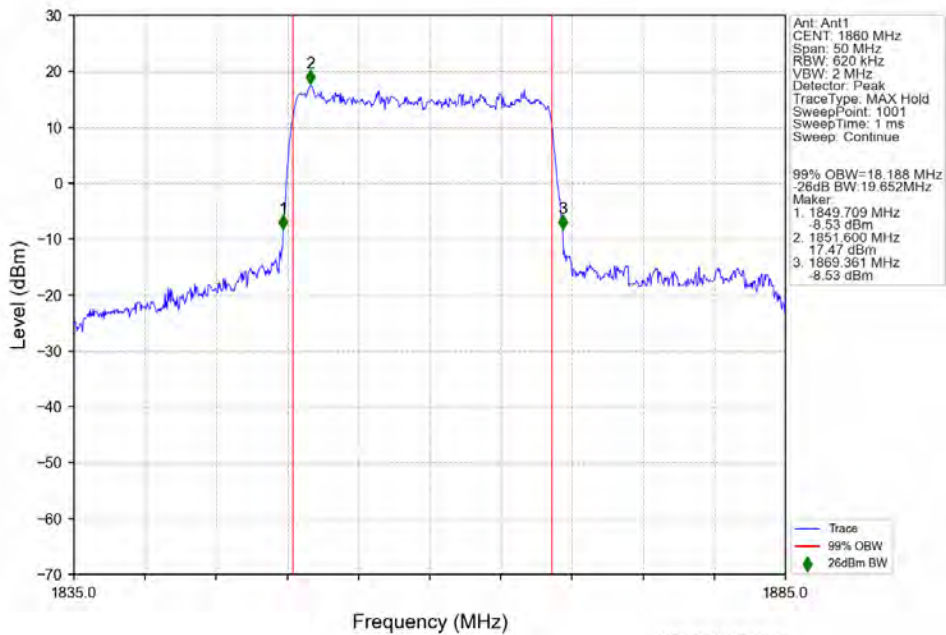
4.2.4 15k\_SISO\_20MHz\_NTNV



n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Outer Full

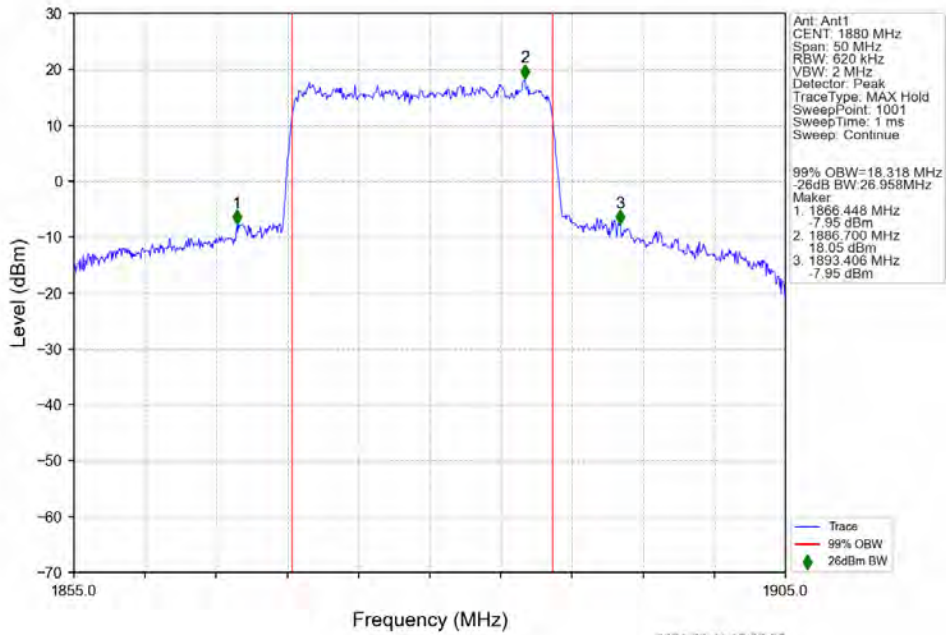


n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1860MHz Outer Full

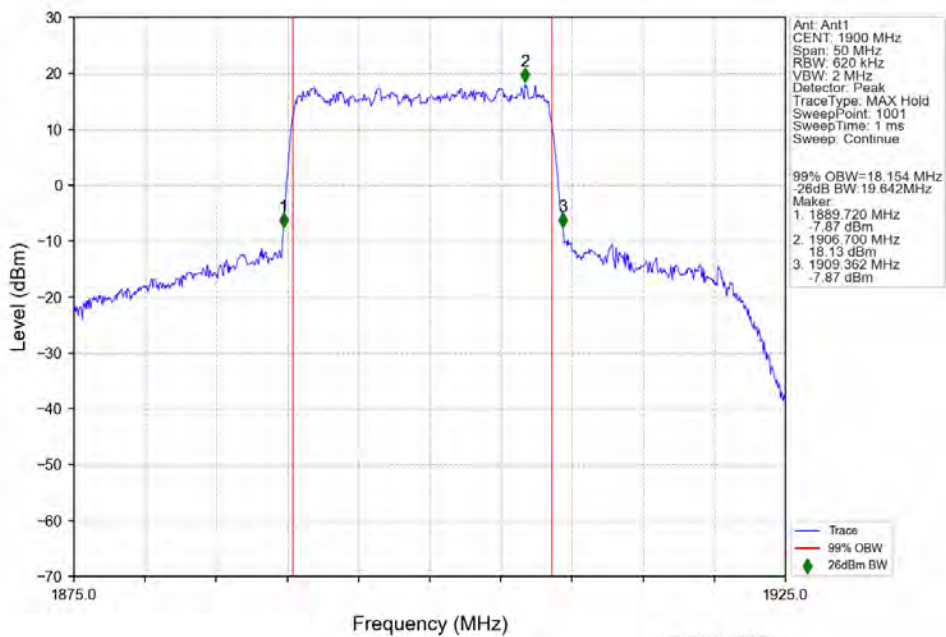




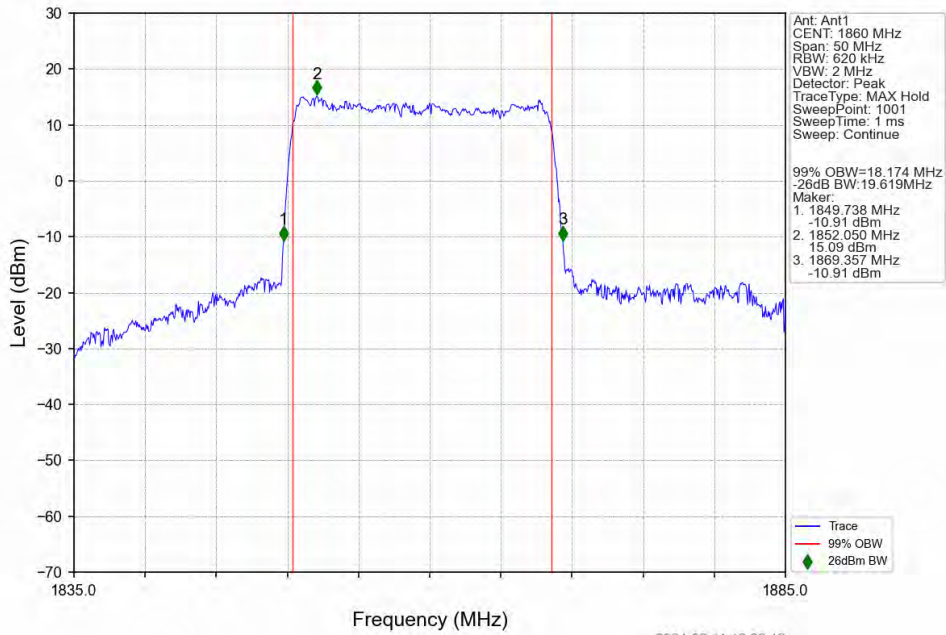
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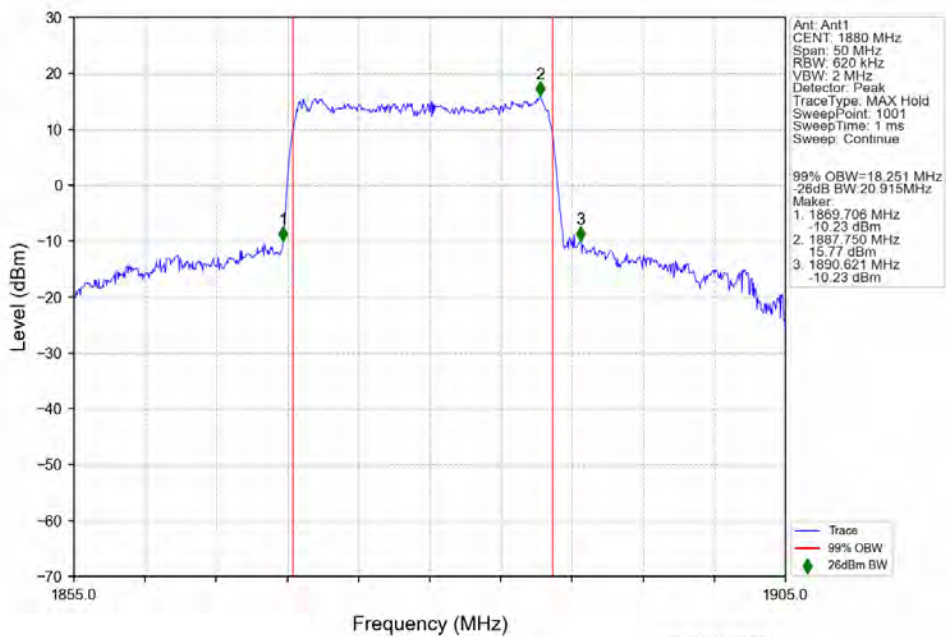
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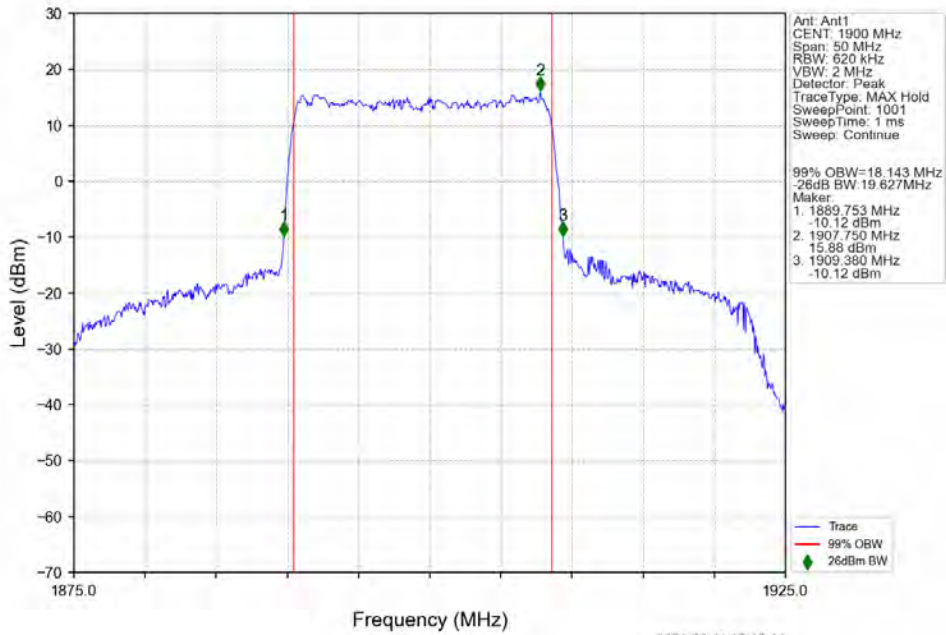
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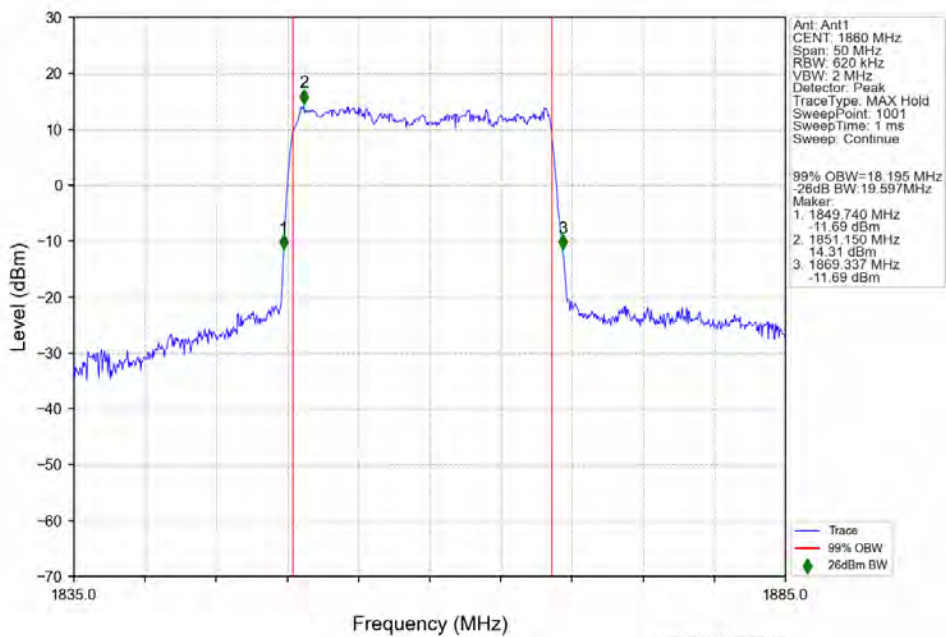
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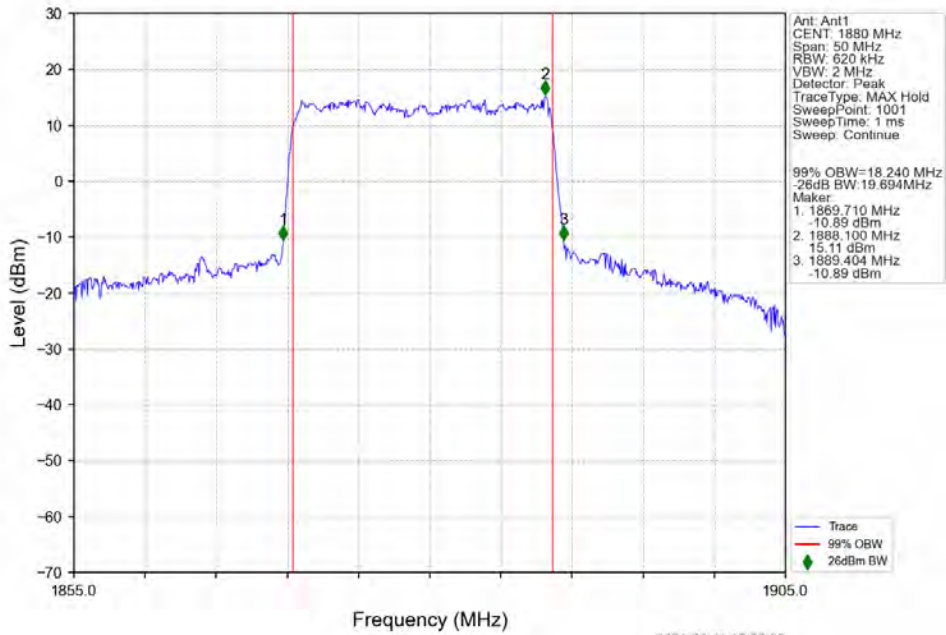
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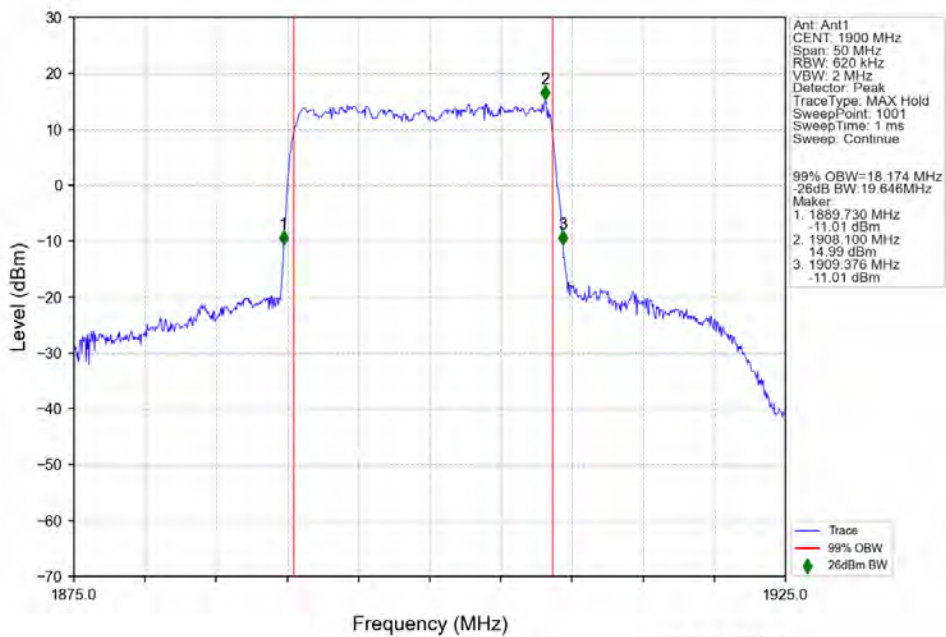
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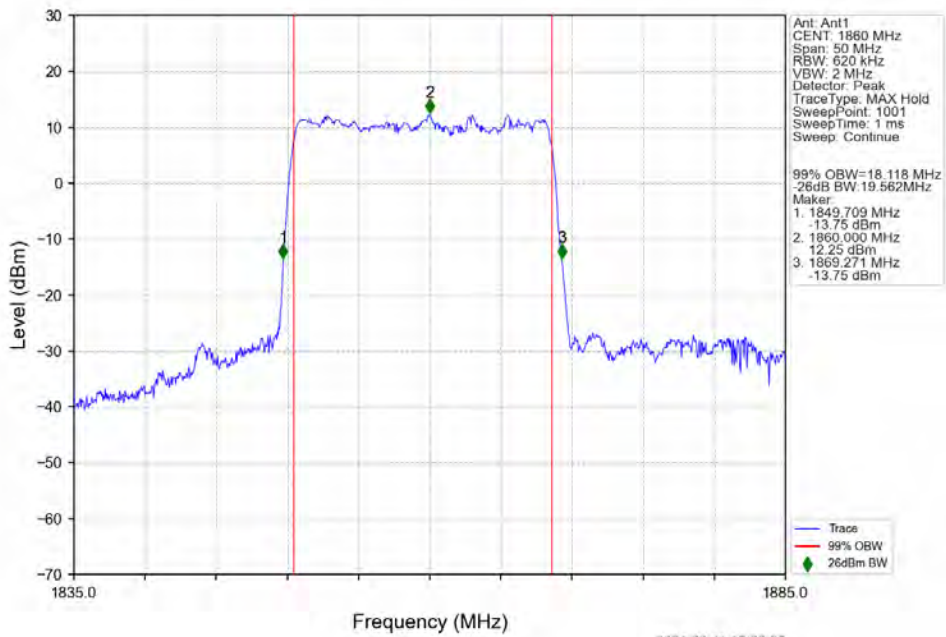
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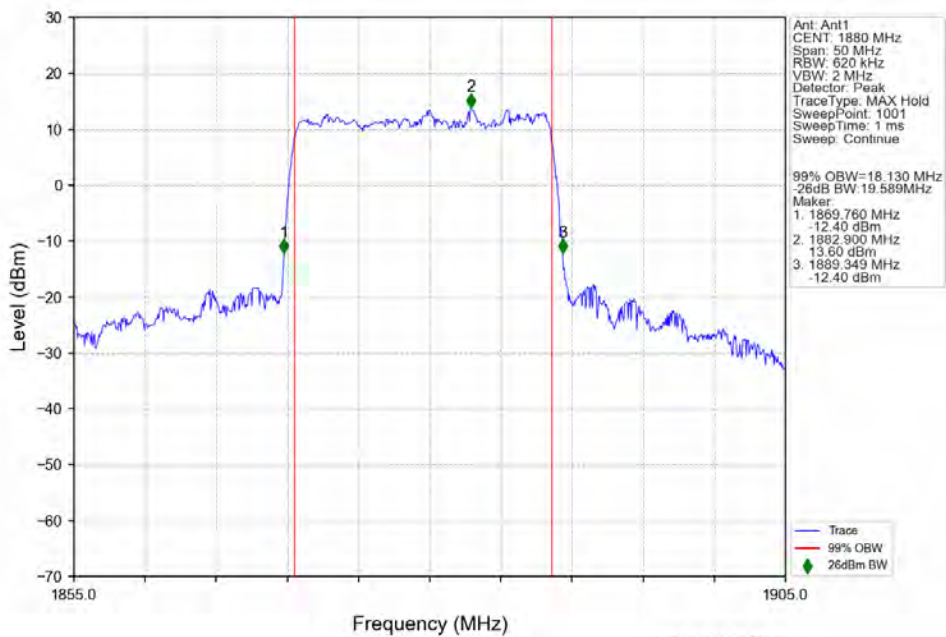
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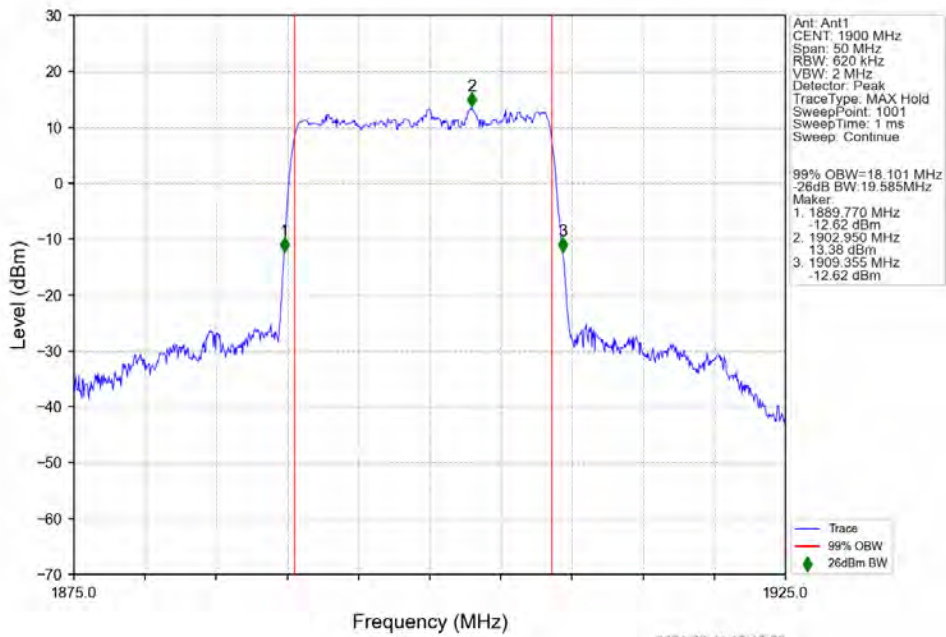
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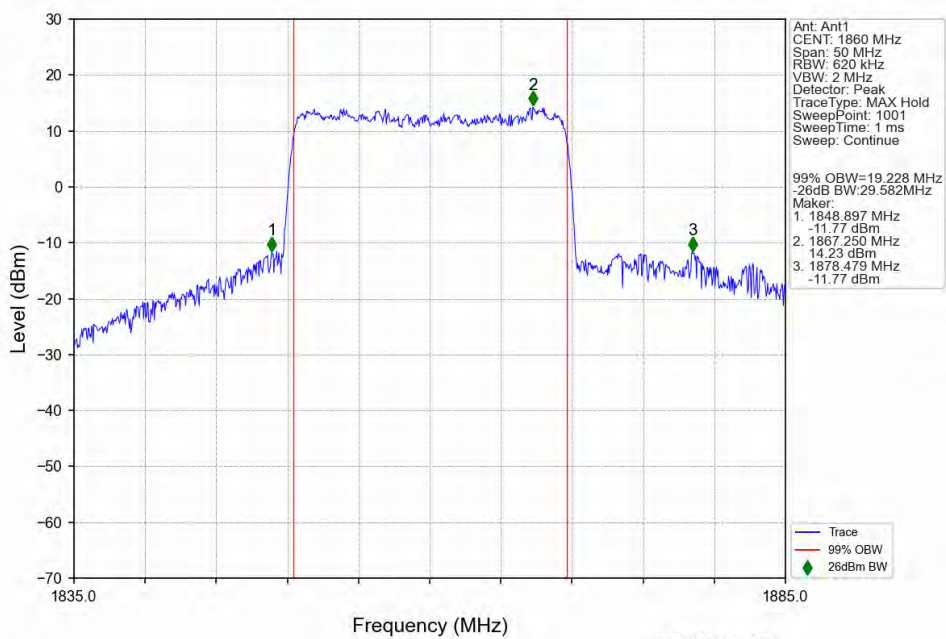
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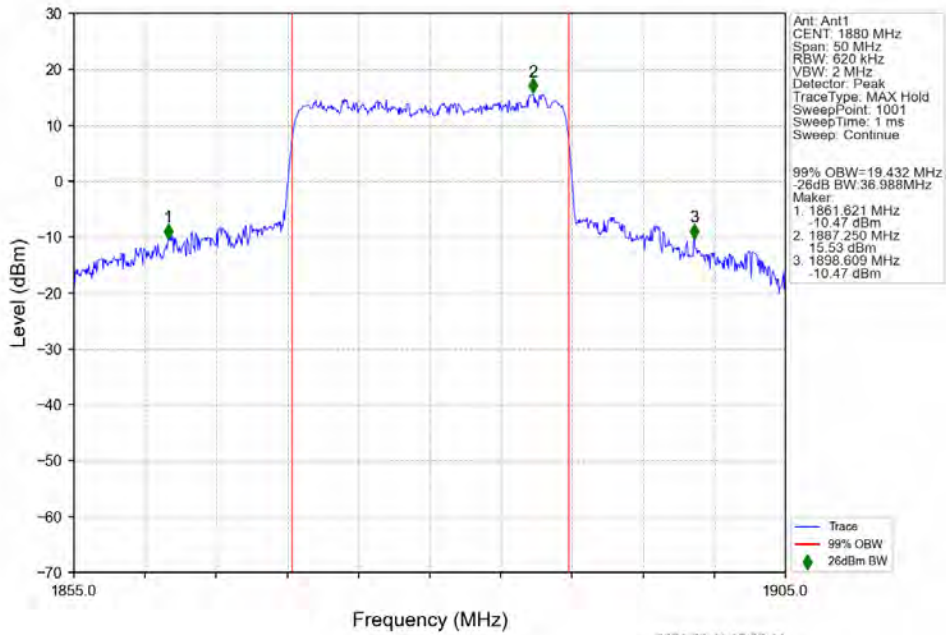
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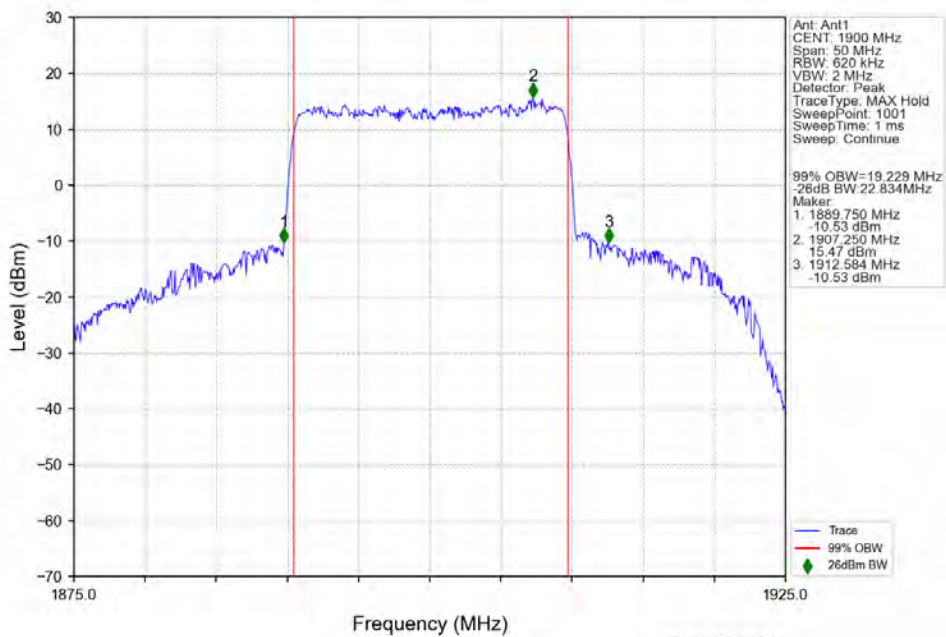
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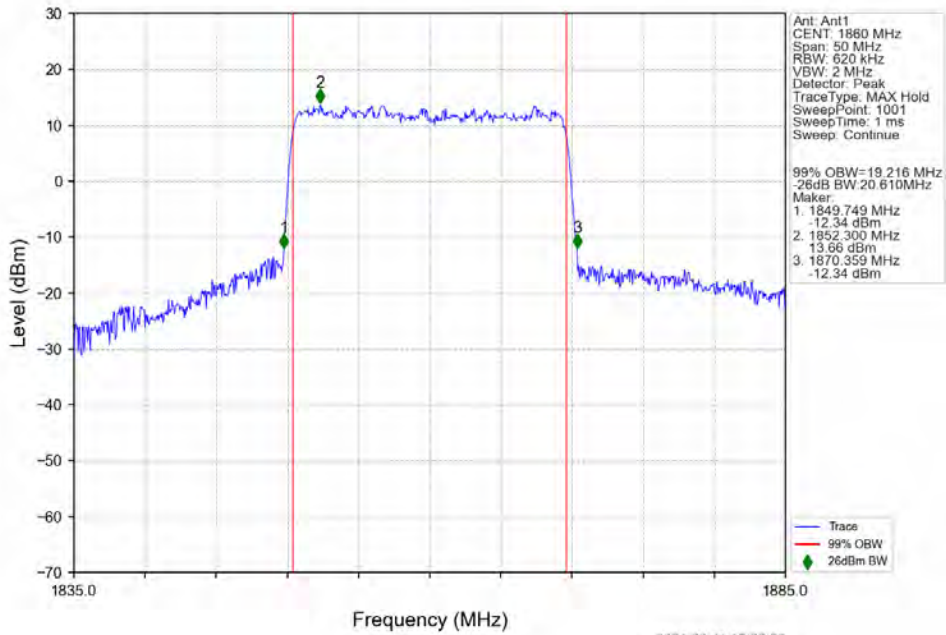
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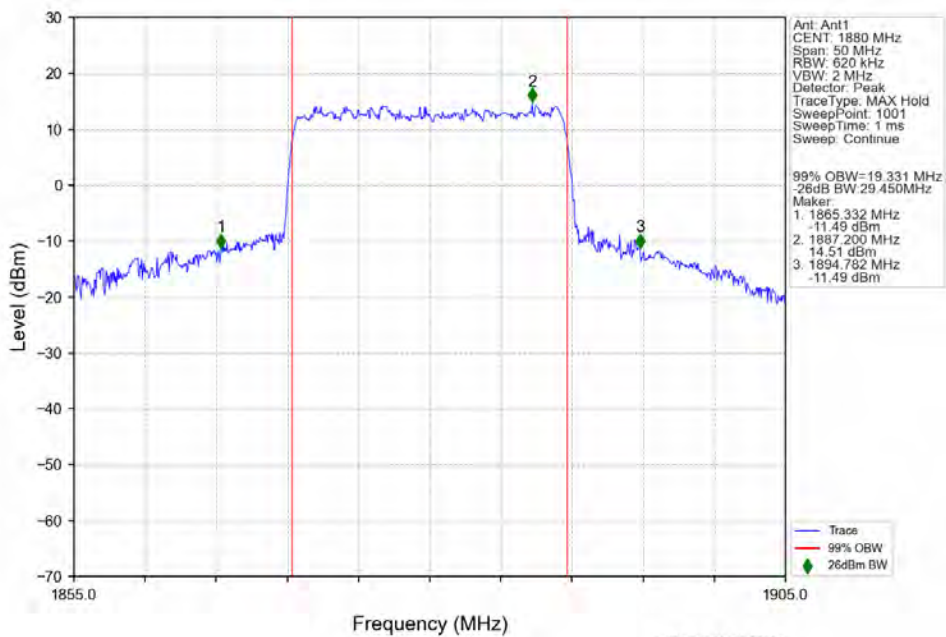
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n2 15kHz SISO NTV 20MHz CP-OFDM 16 QAM 1860MHz Outer Full

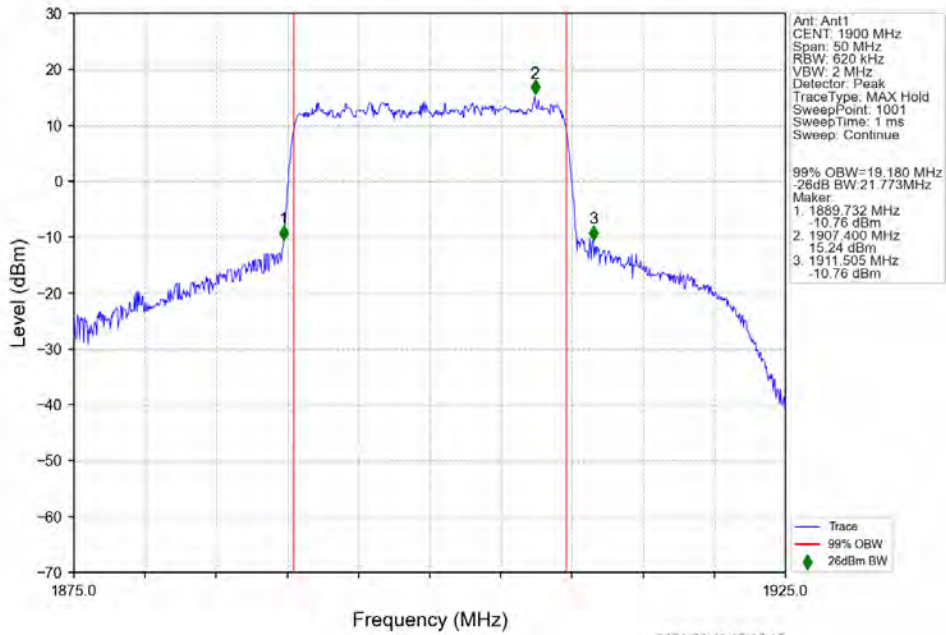


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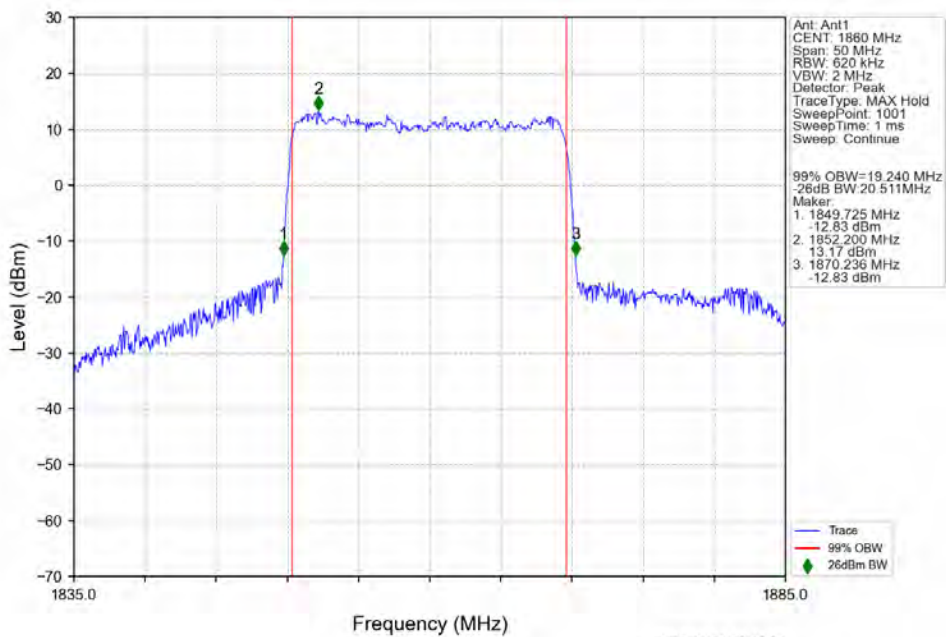




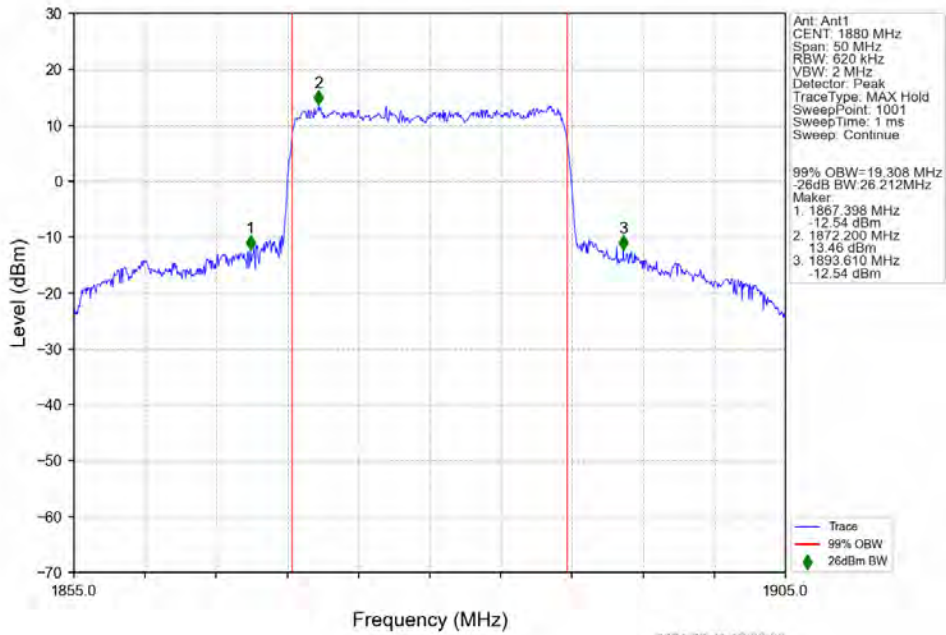
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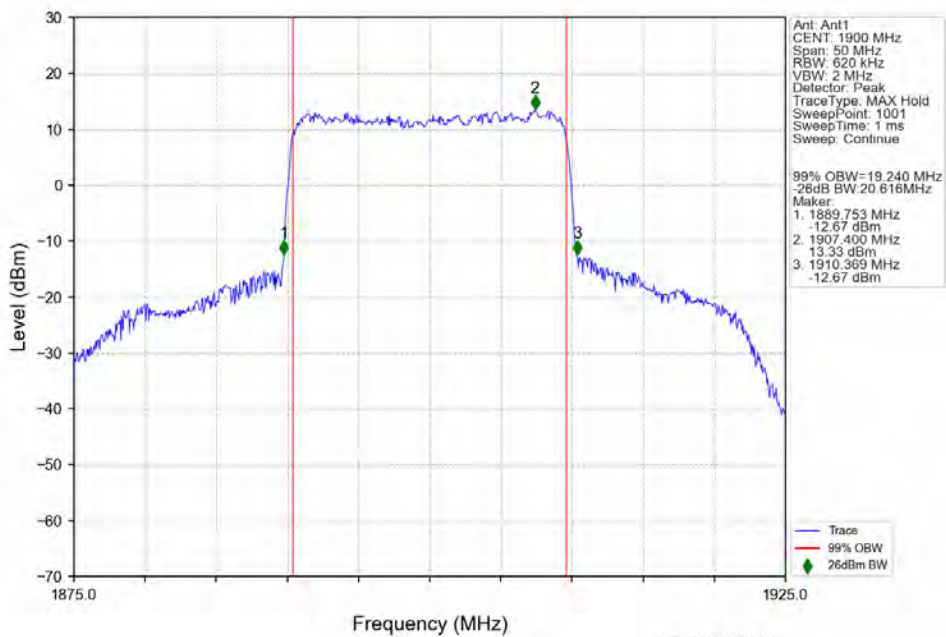
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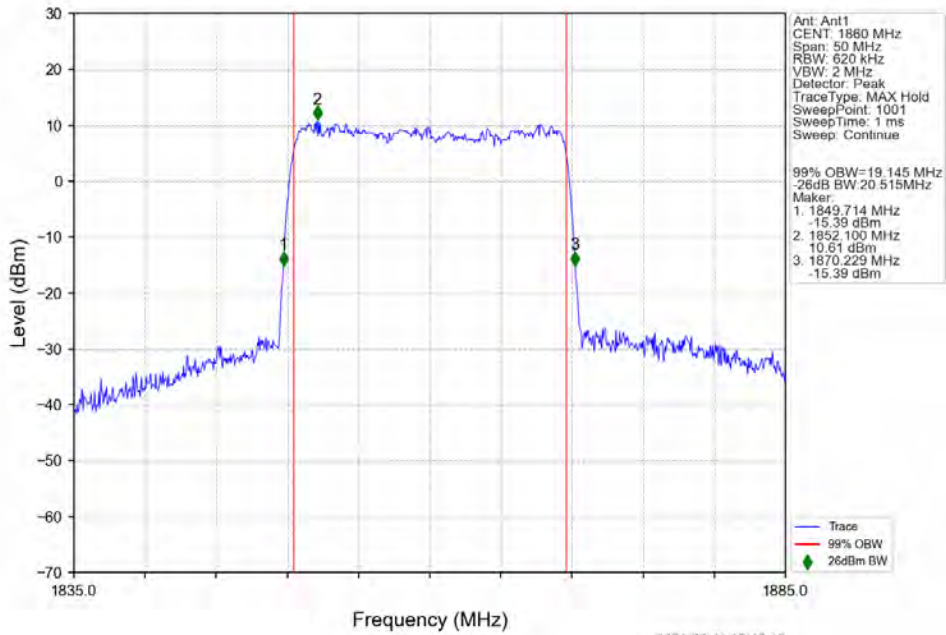
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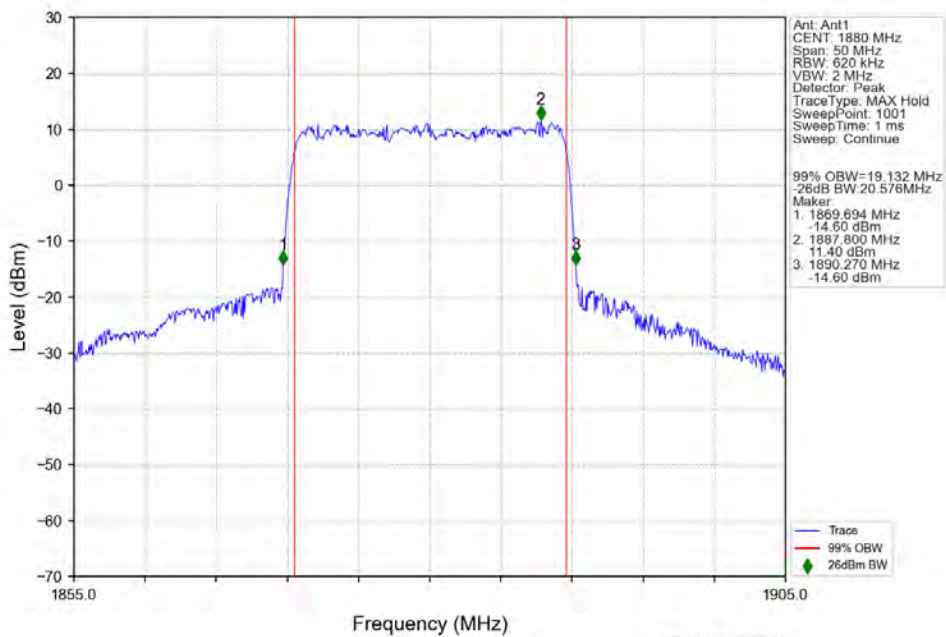
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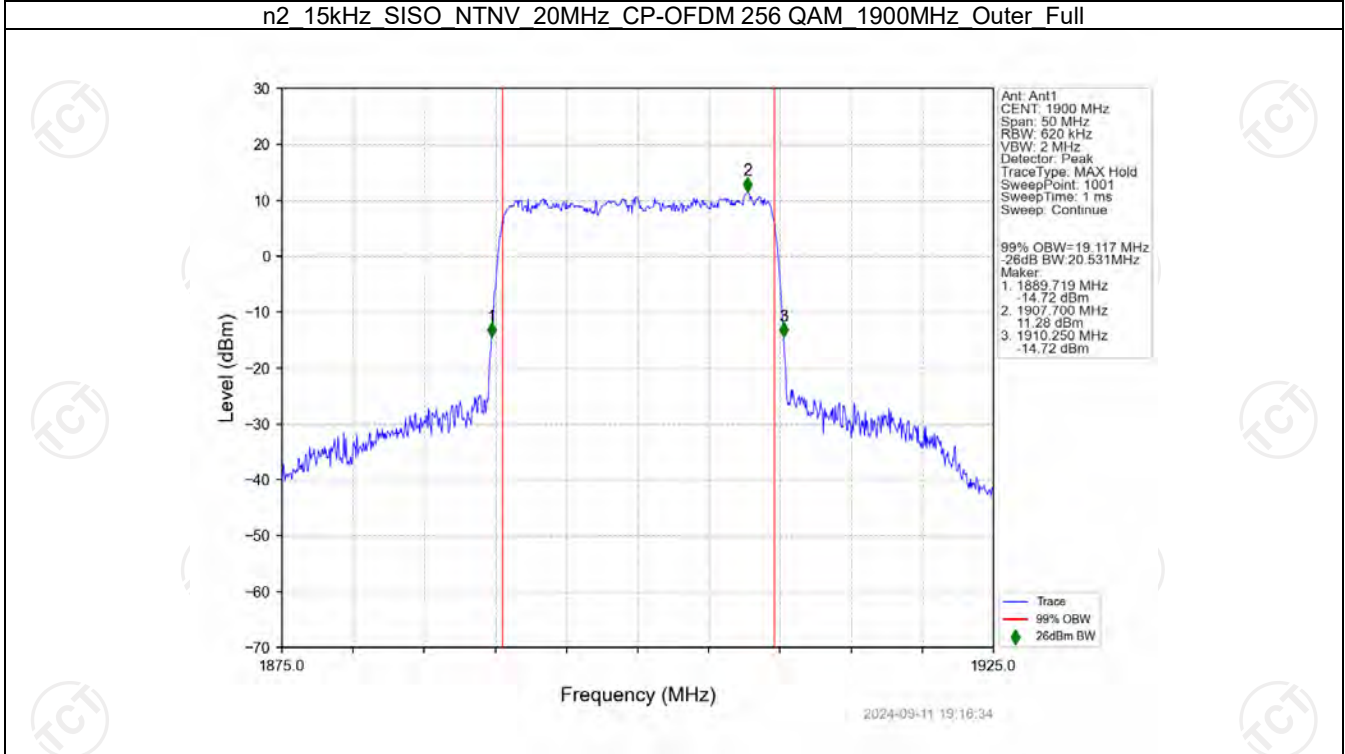
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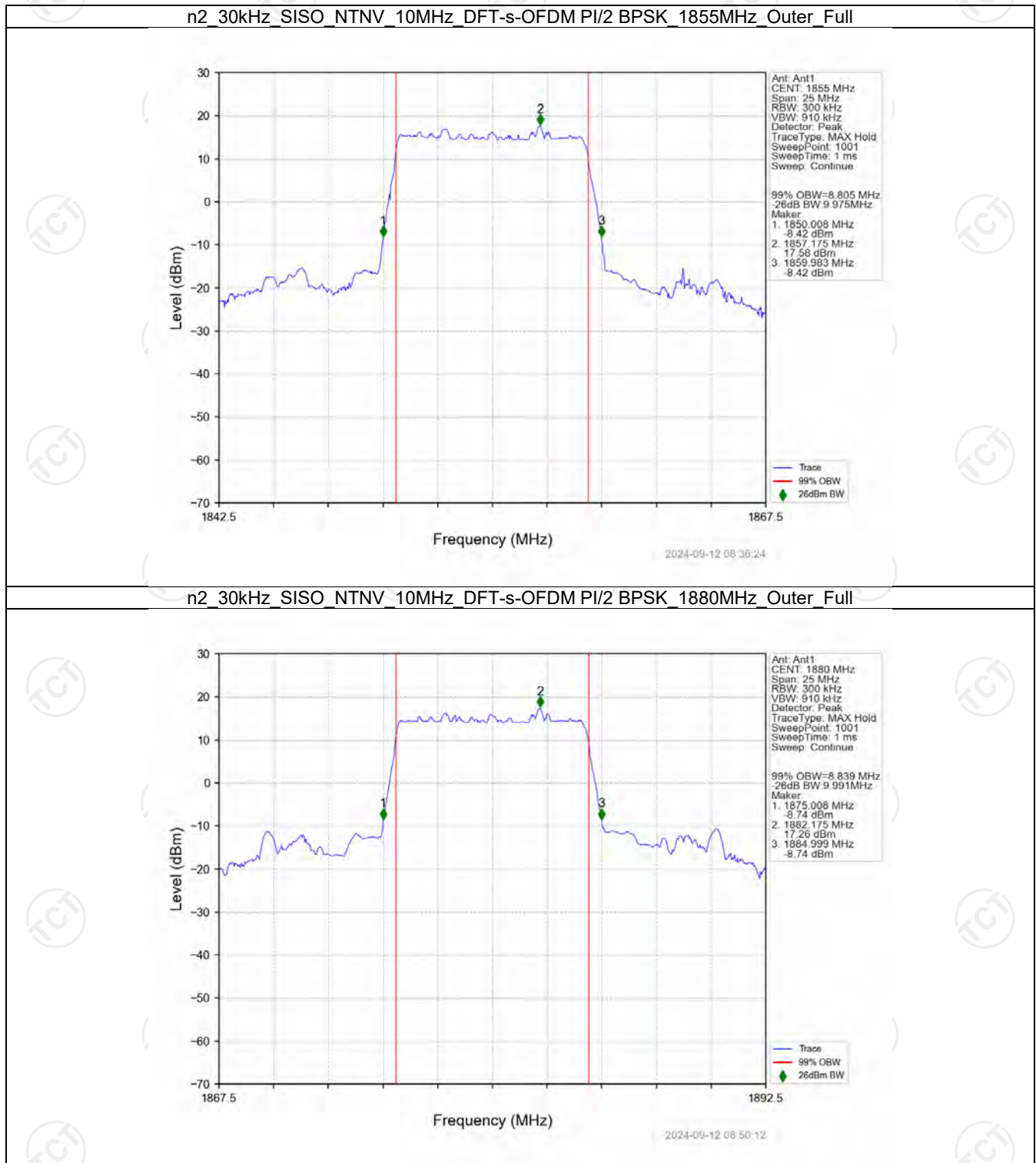
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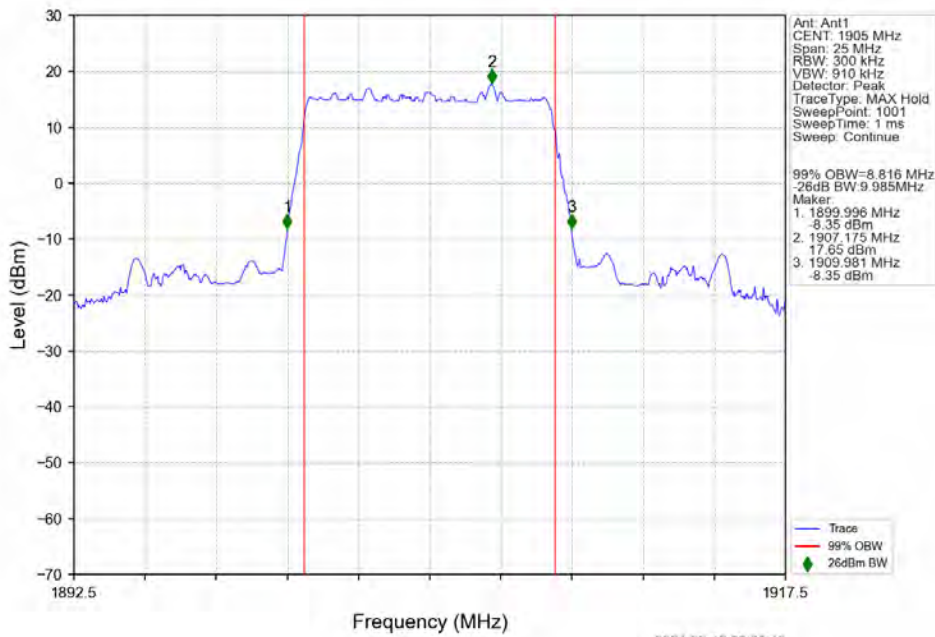
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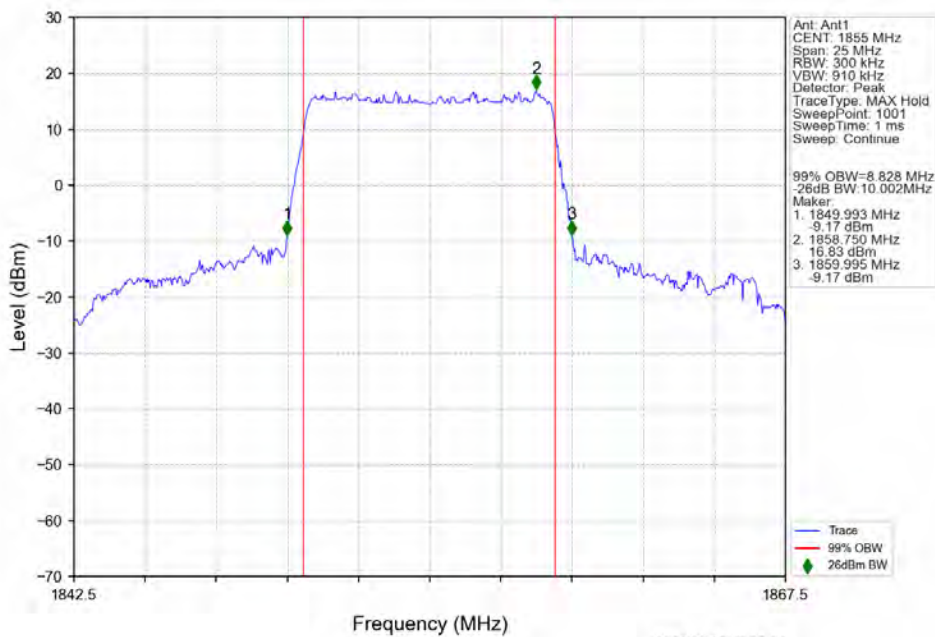
4.2.5 30k\_SISO\_10MHz\_NTNV



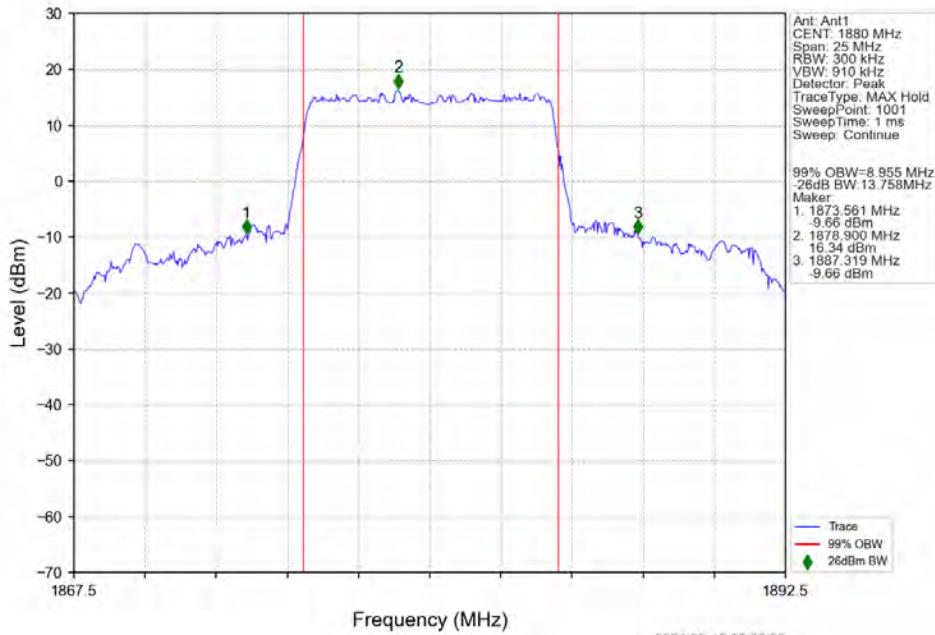
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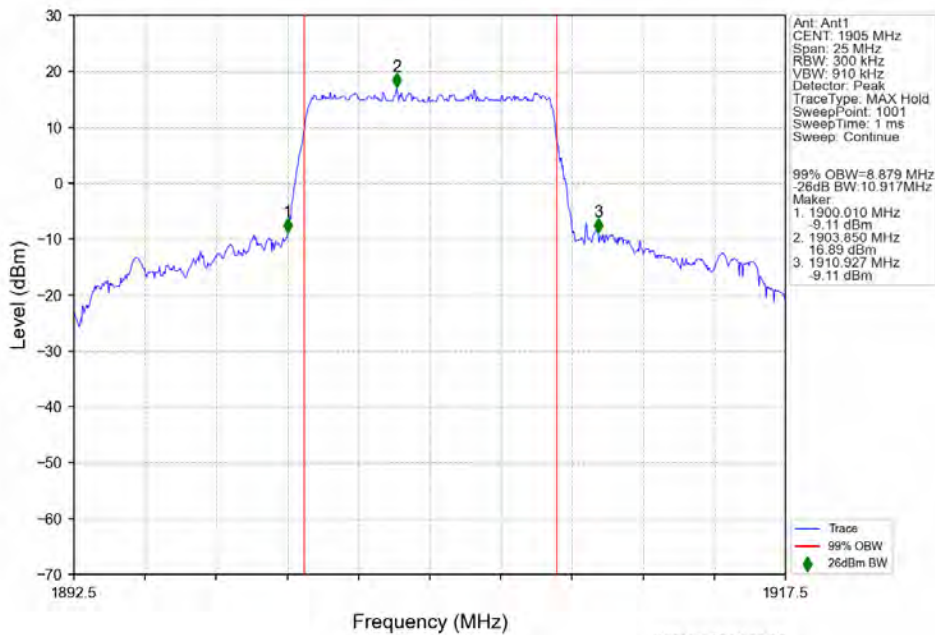
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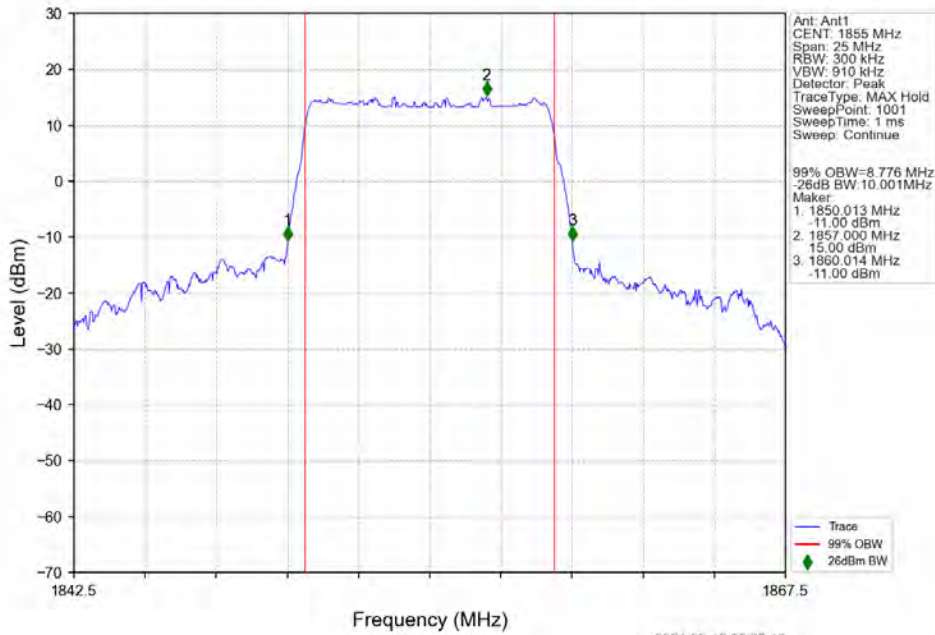
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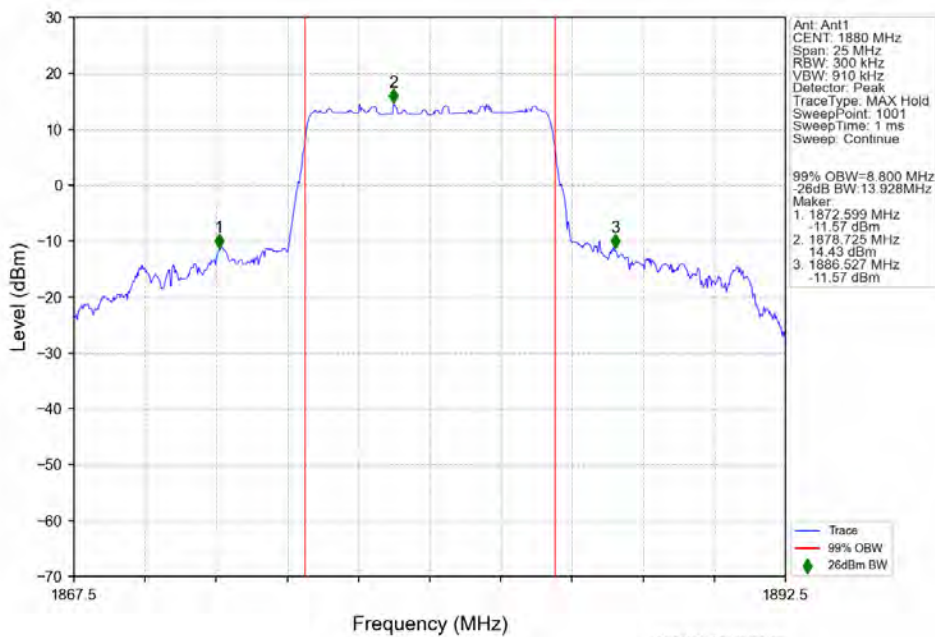
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n2 30kHz SISO NTNv 10MHz DFT-s-OFDM 16 QAM 1855MHz Outer Full

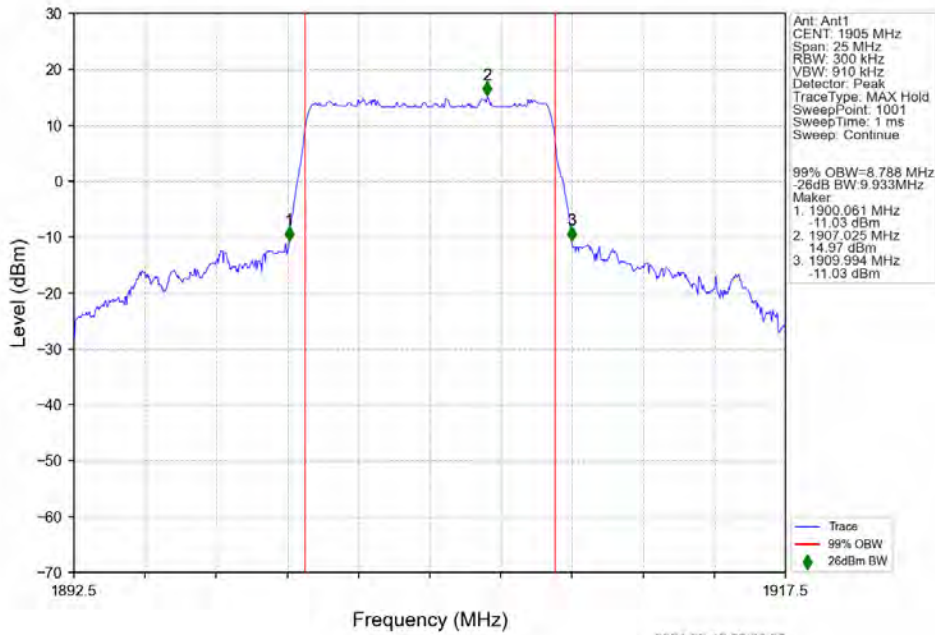


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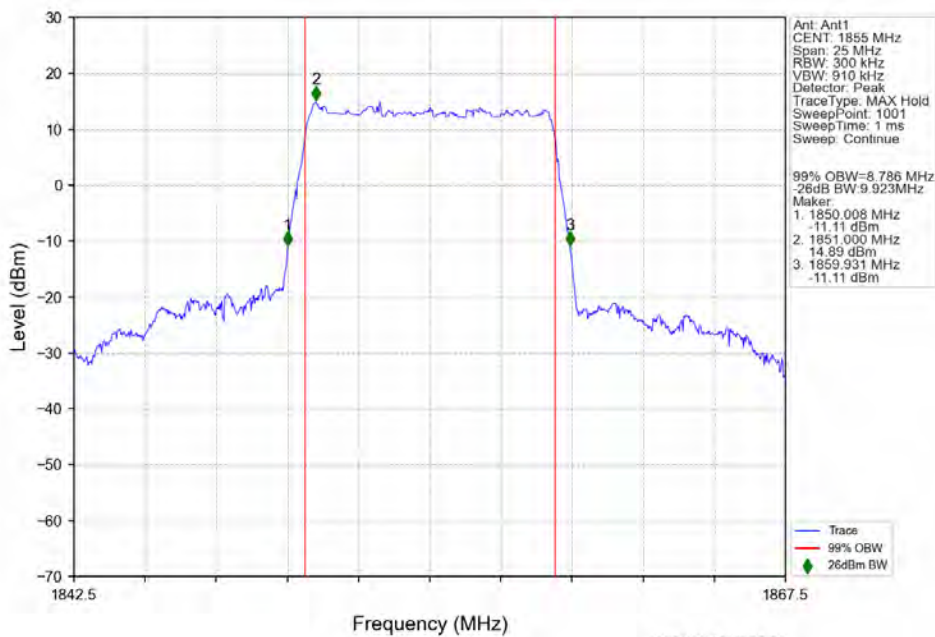




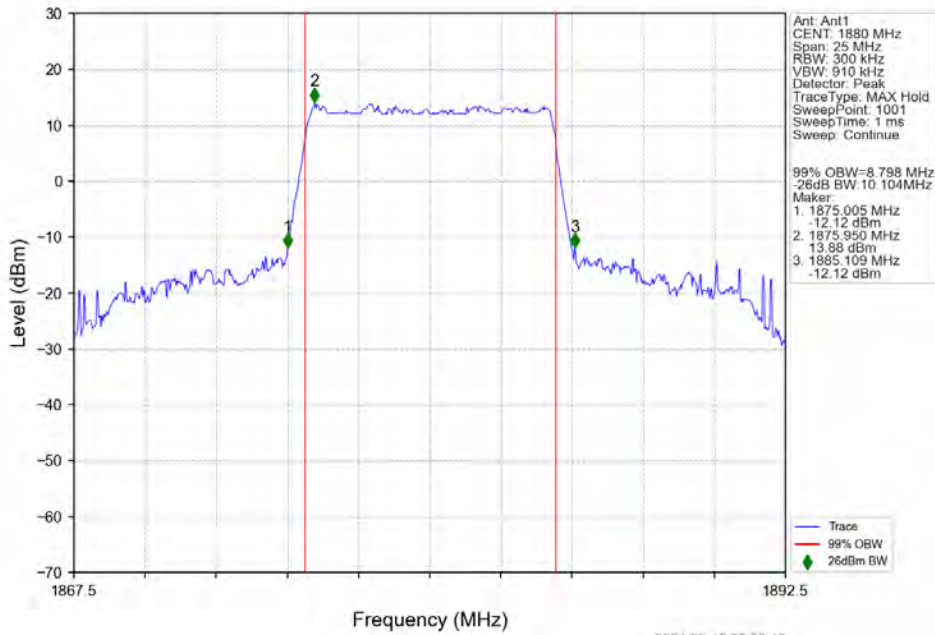
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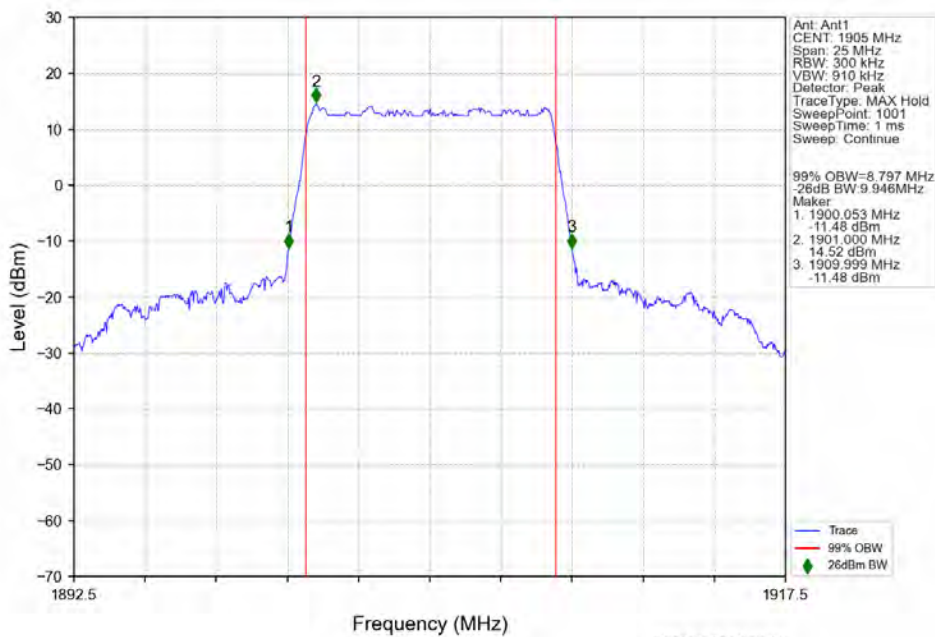
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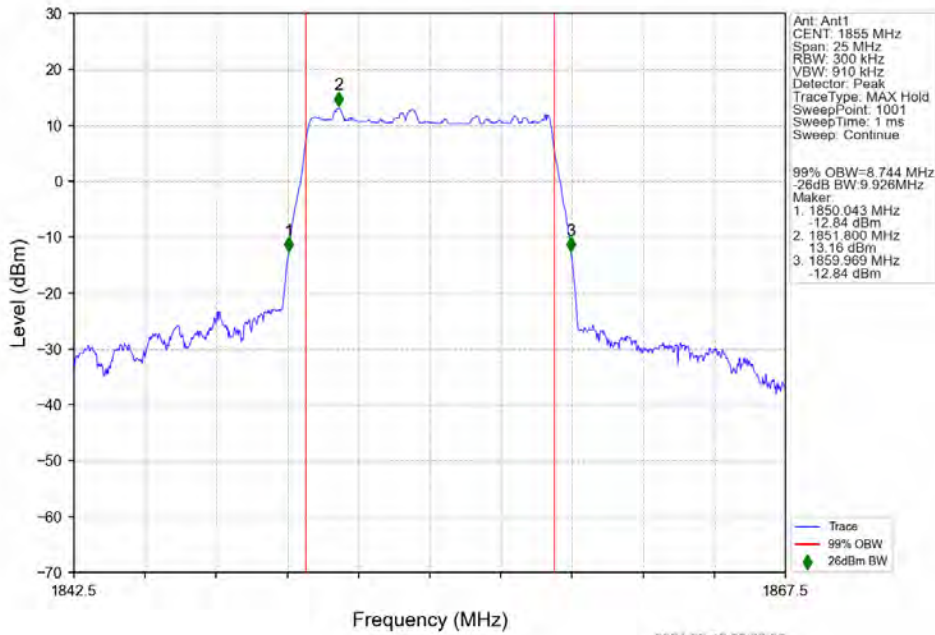
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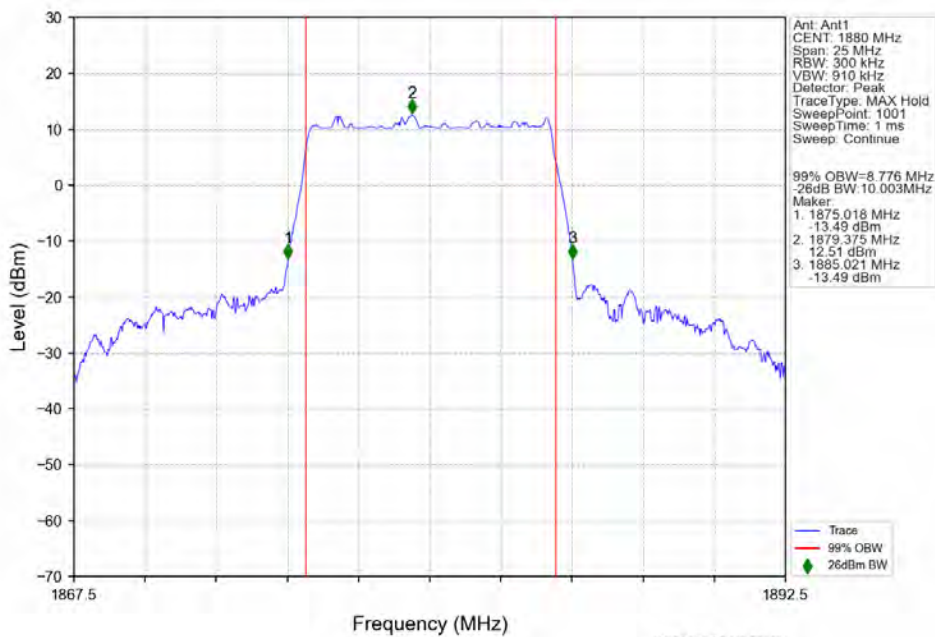
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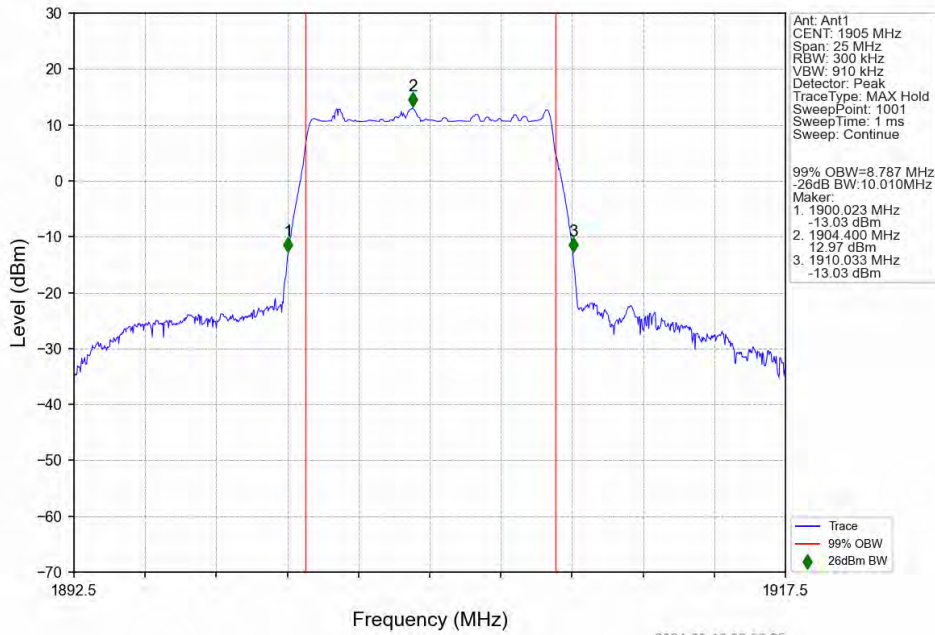
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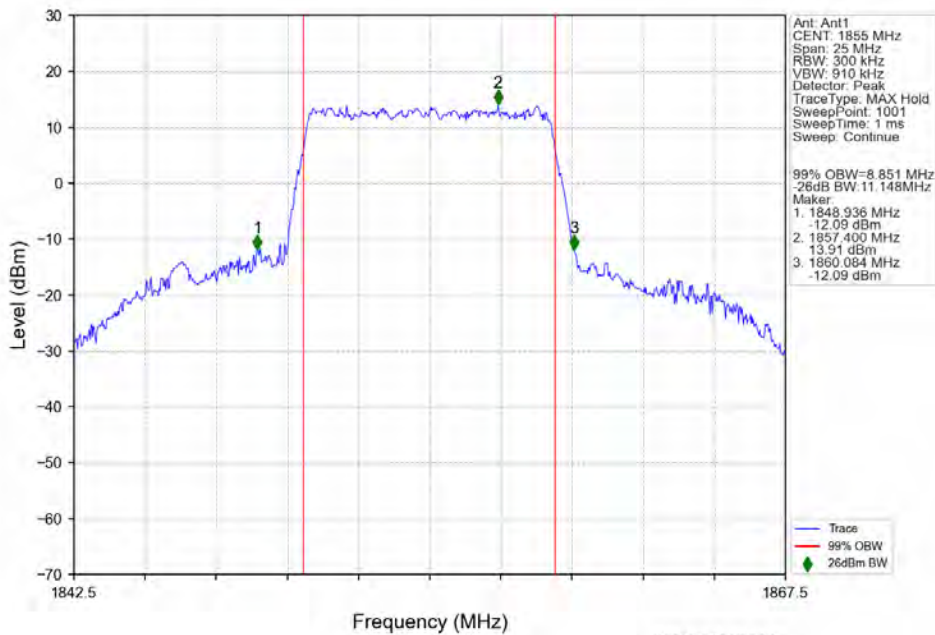
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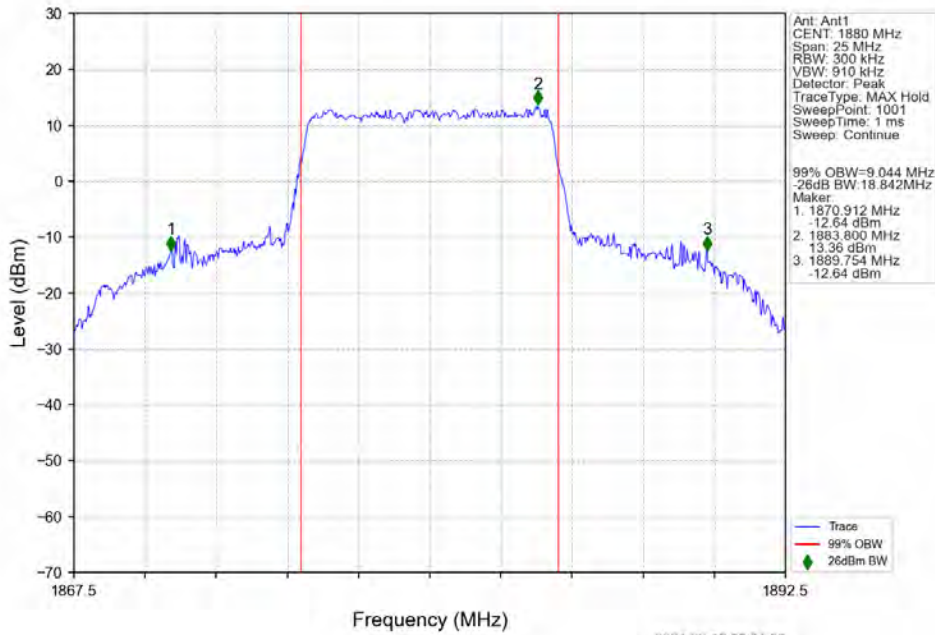
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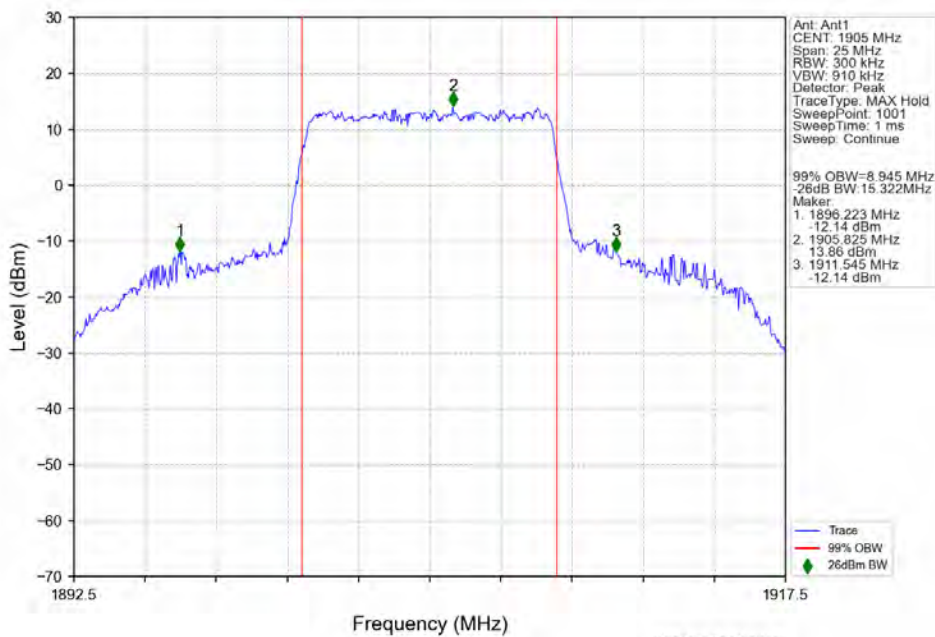
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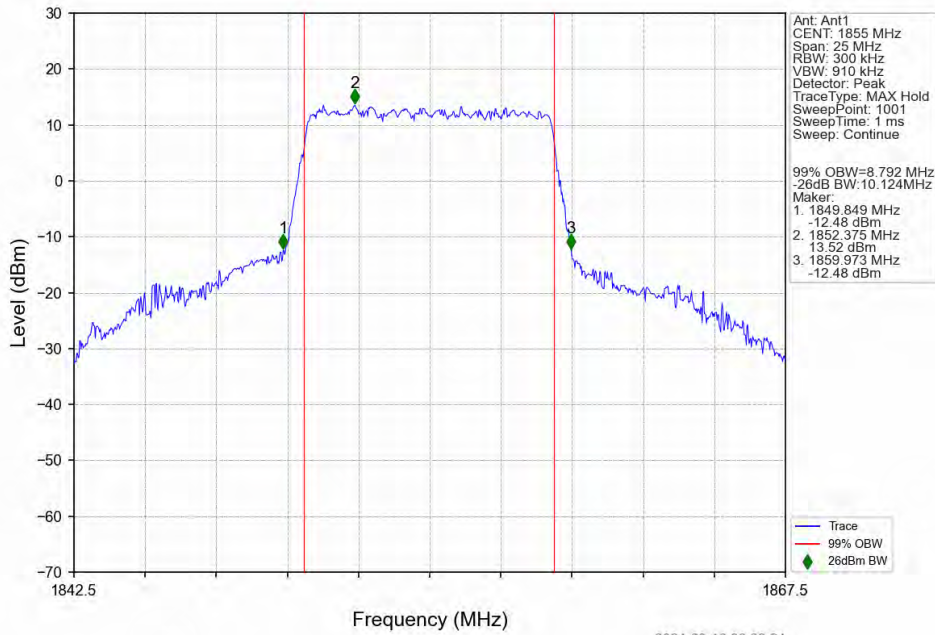
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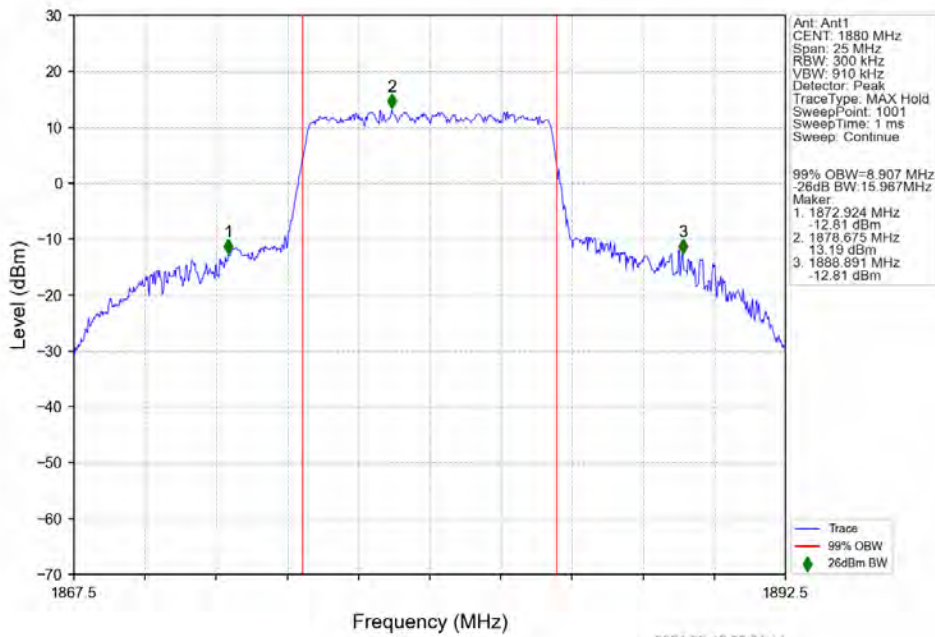
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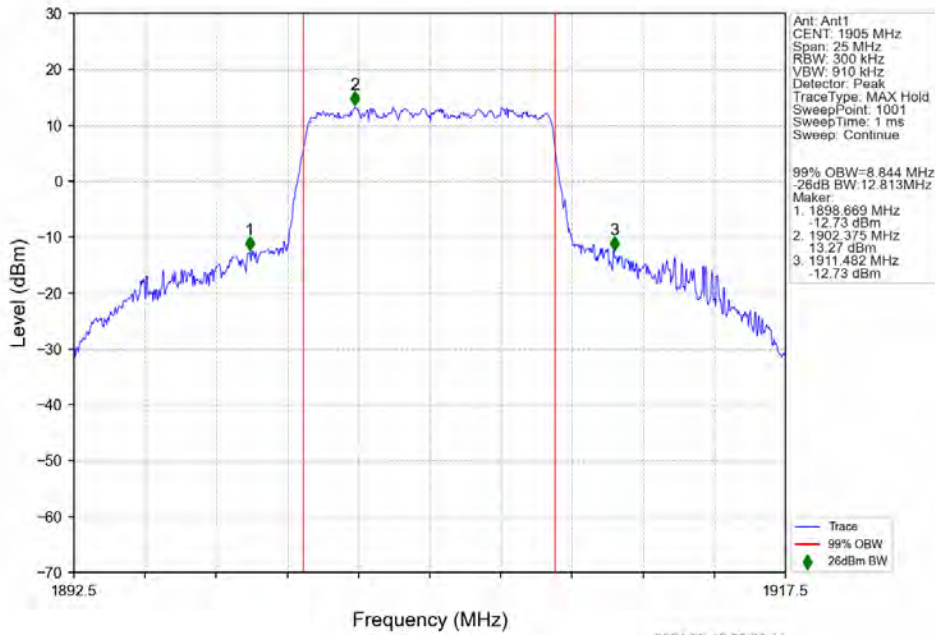
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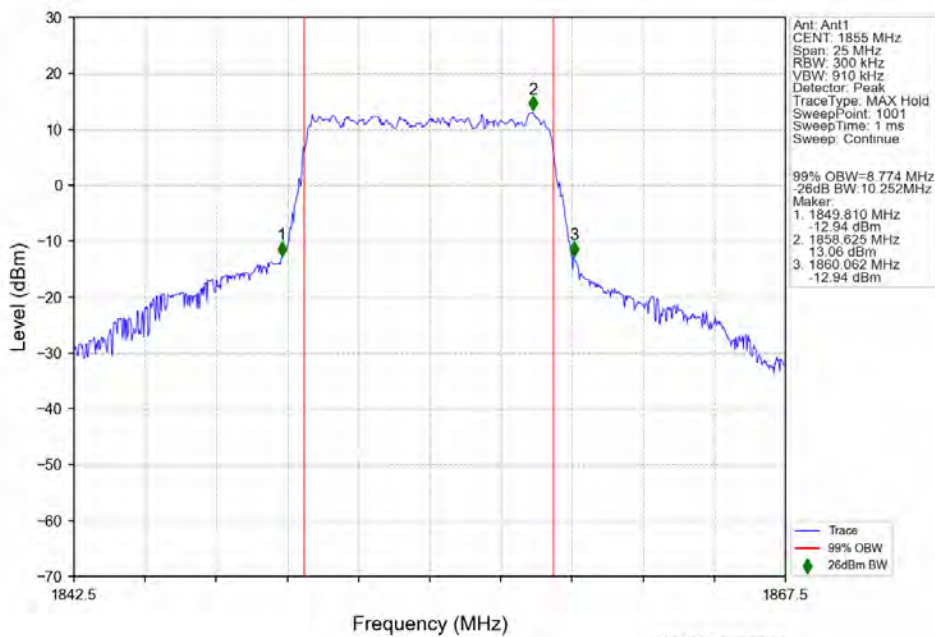
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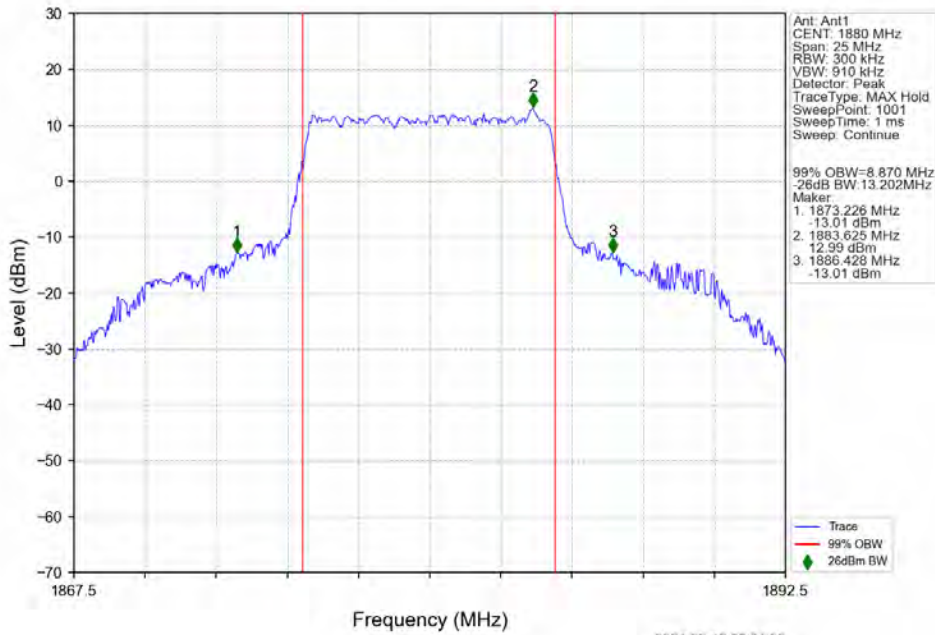
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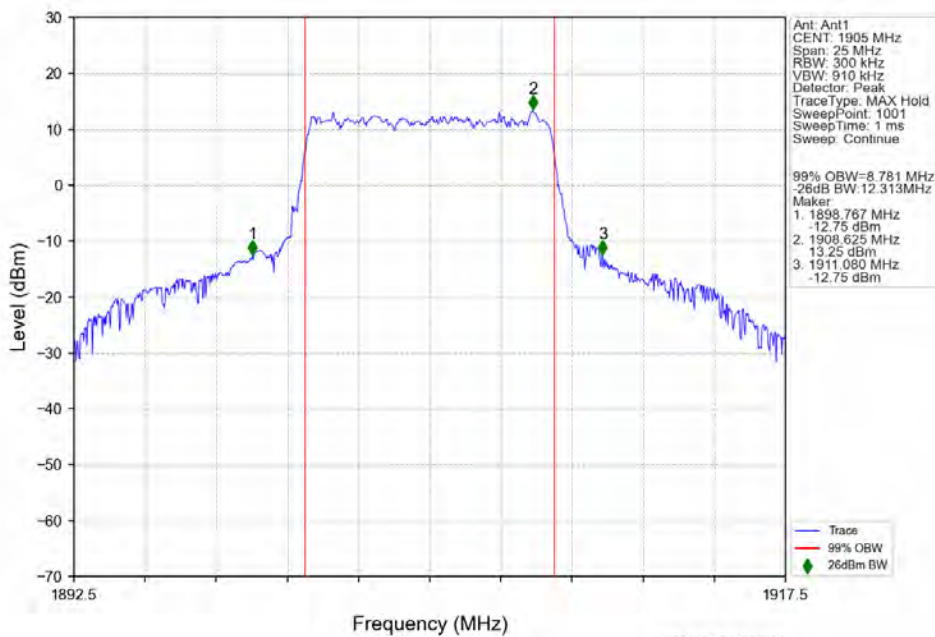
n2 30kHz SISO NTV 10MHz CP-OFDM 64 QAM 1855MHz Outer Full



n2 30kHz SISO NTV 10MHz CP-OFDM 64 QAM 1880MHz Outer Full

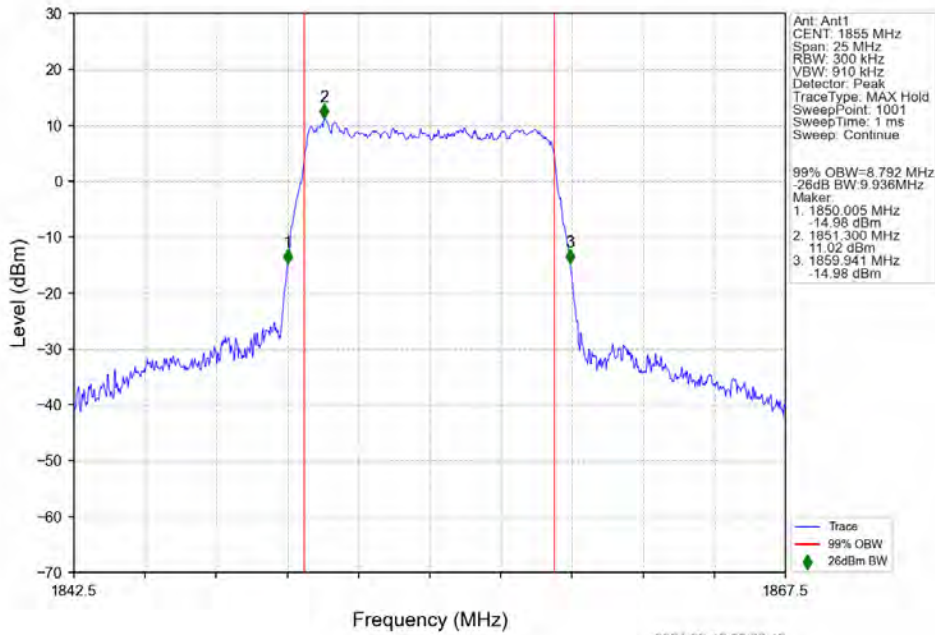


n2 30kHz SISO NTV 10MHz CP-OFDM 64 QAM 1905MHz Outer Full

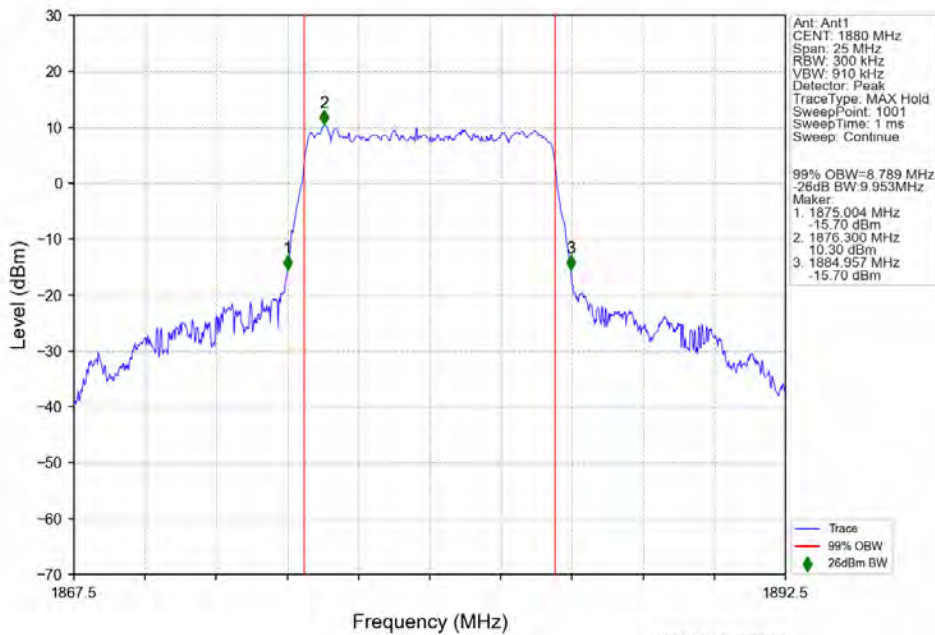




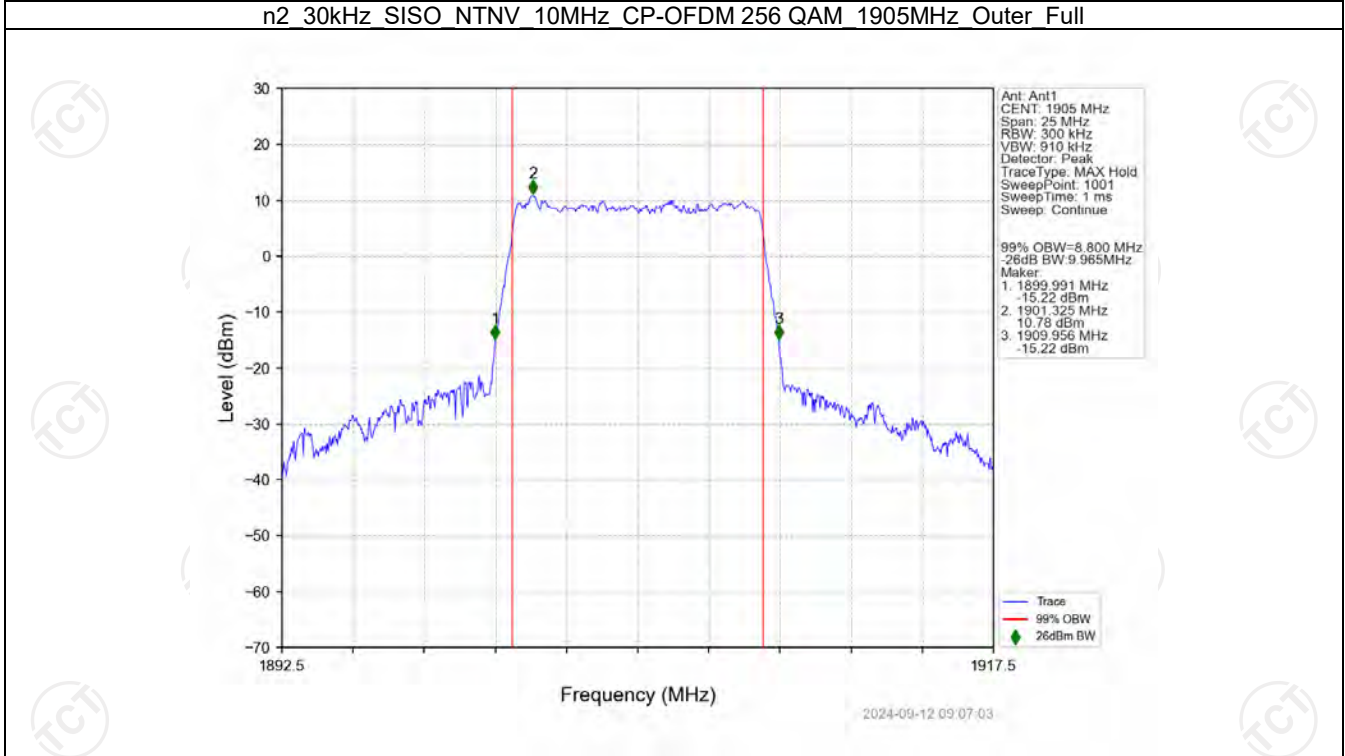
n2 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 1855MHz Outer Full



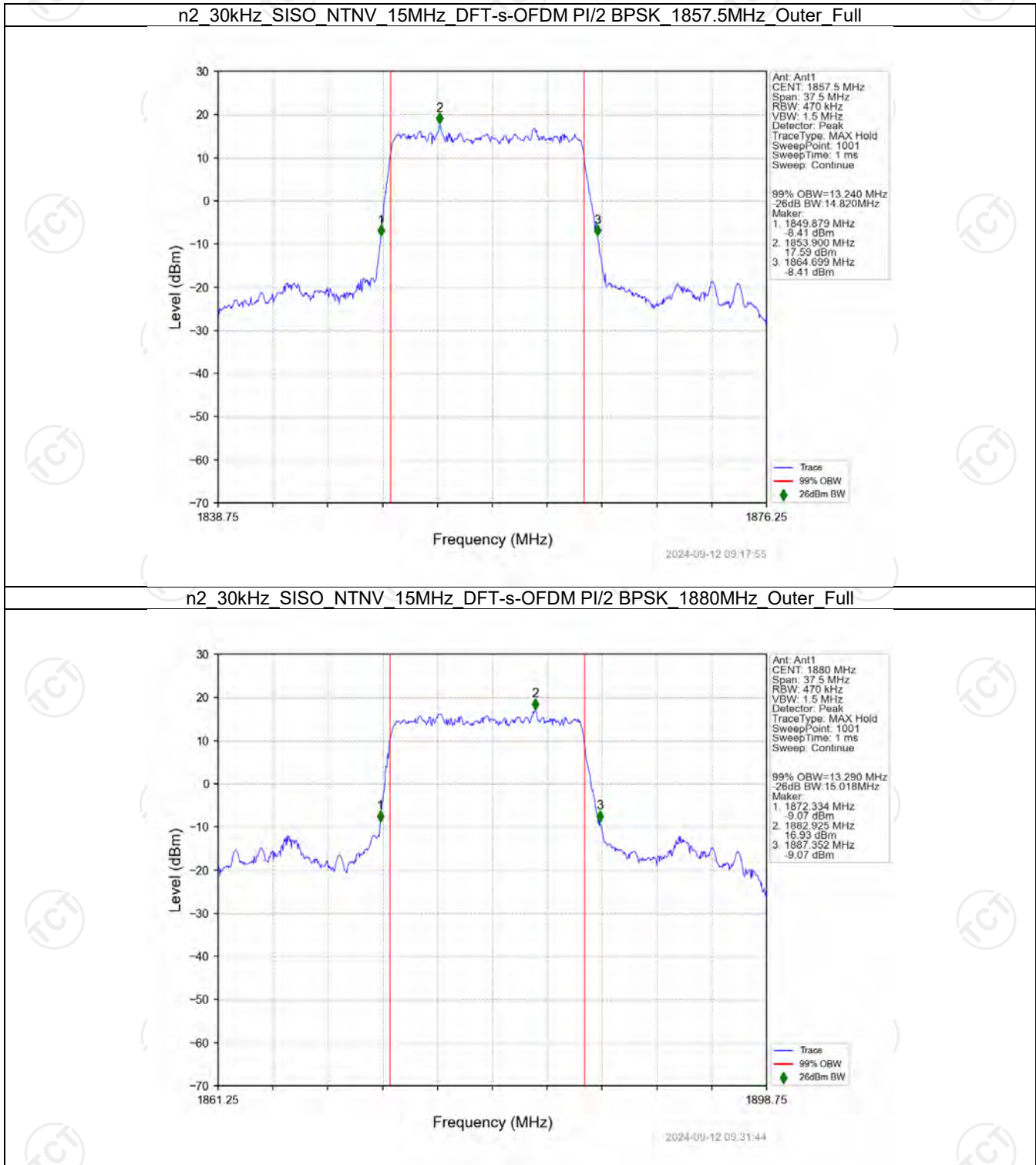
n2 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 1880MHz Outer Full



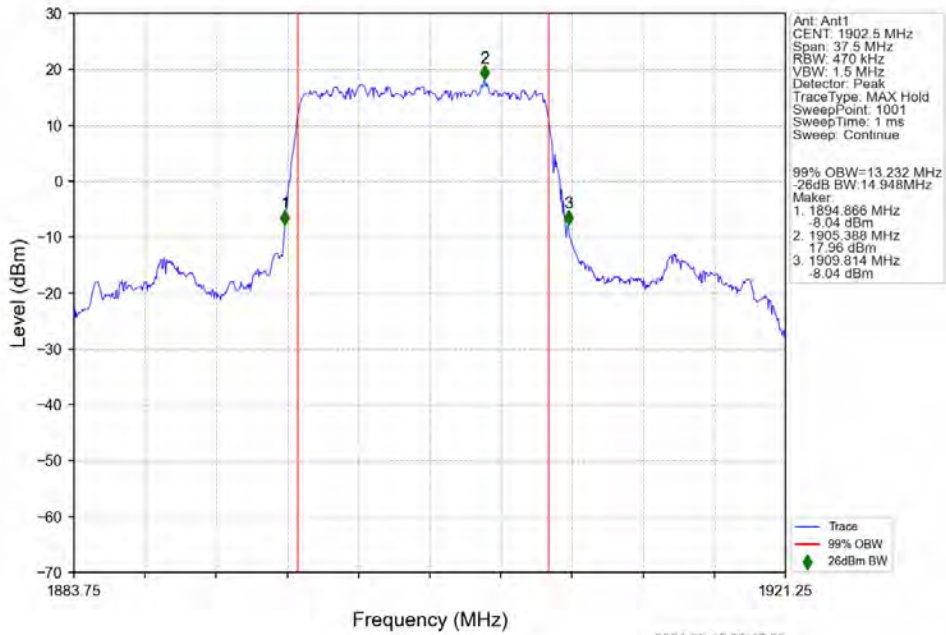
n2\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_256\_QAM\_1905MHz\_Outer\_Full



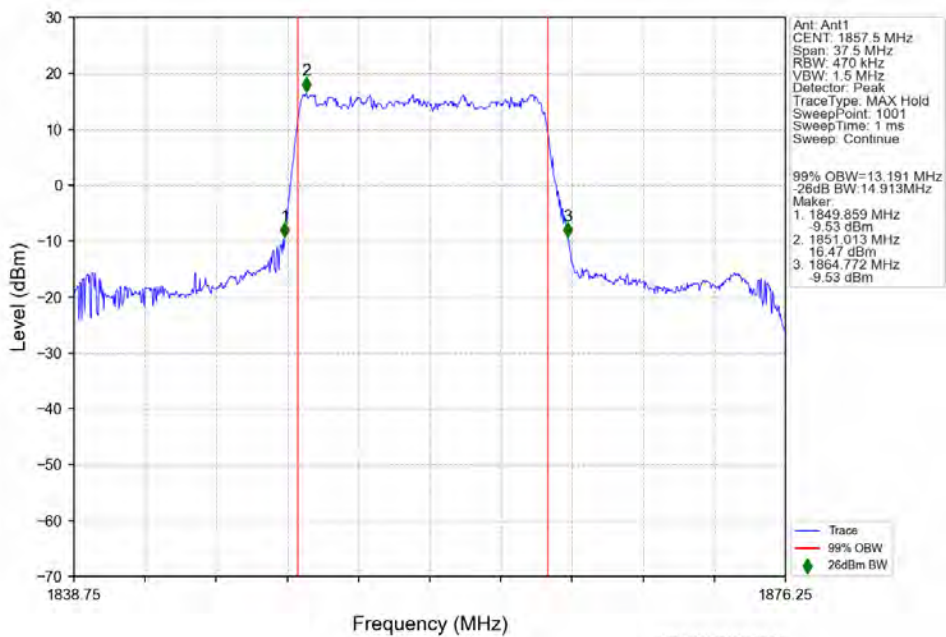
4.2.6 30k\_SISO\_15MHz\_NTNV



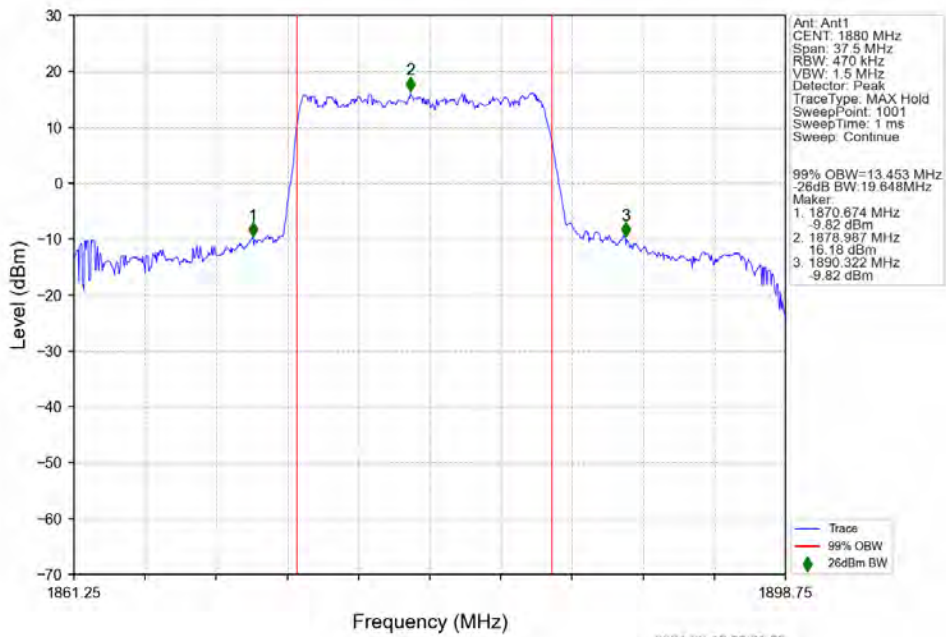
n2 30kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 1902.5MHz Outer Full



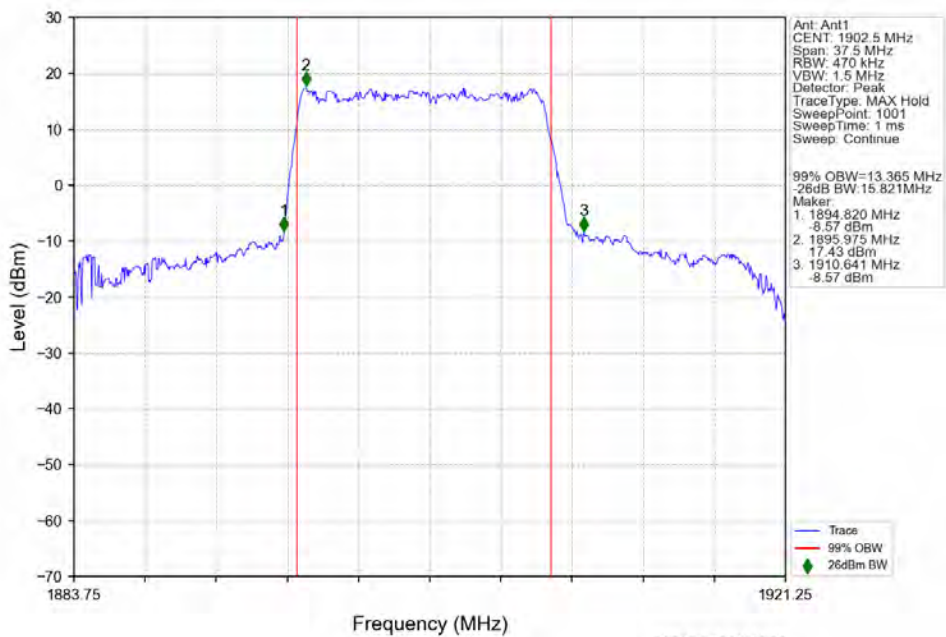
n2 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 1857.5MHz Outer Full



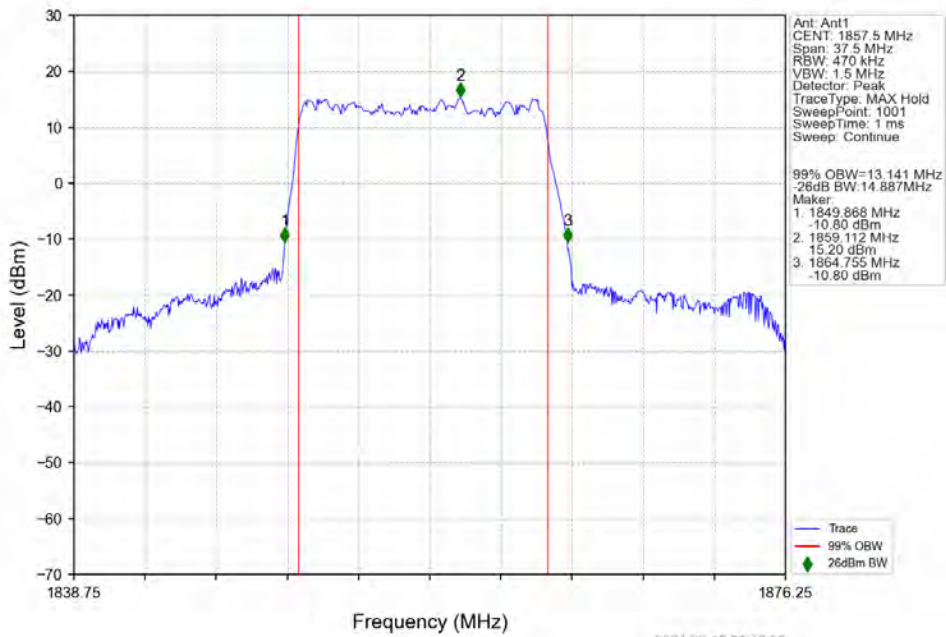
n2 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 1880MHz Outer Full



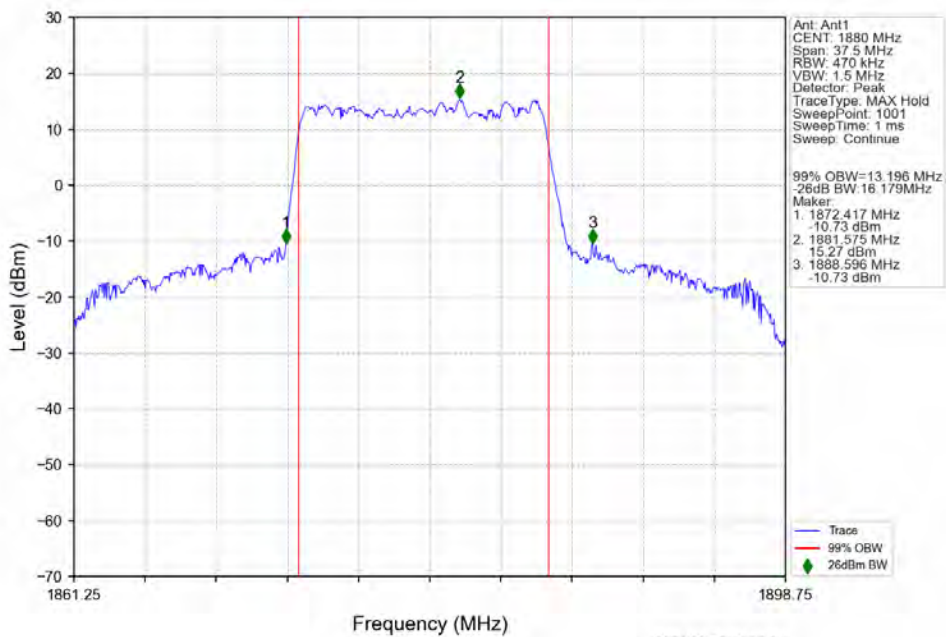
n2 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 1902.5MHz Outer Full



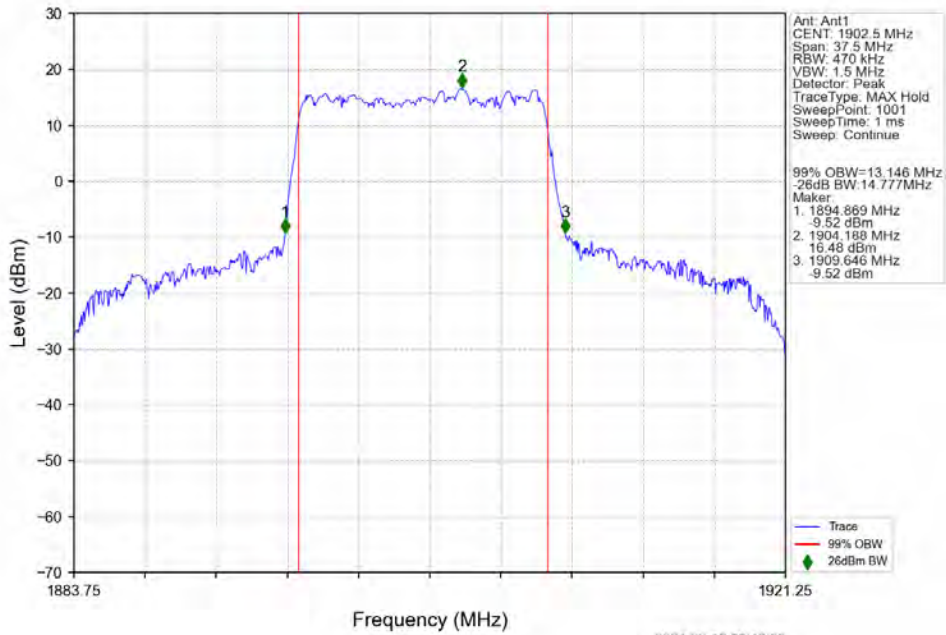
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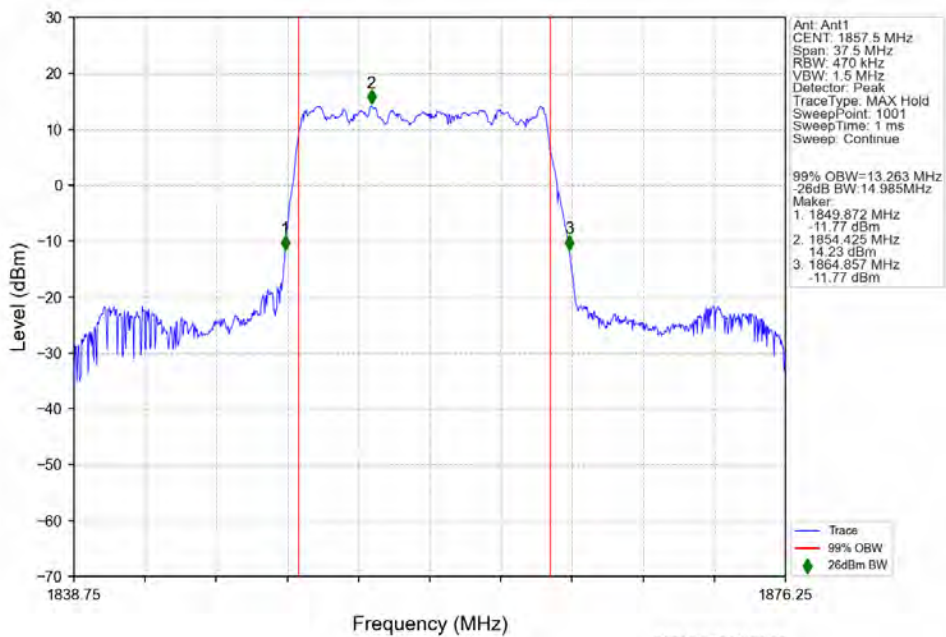
n2 30kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 1880MHz Outer Full



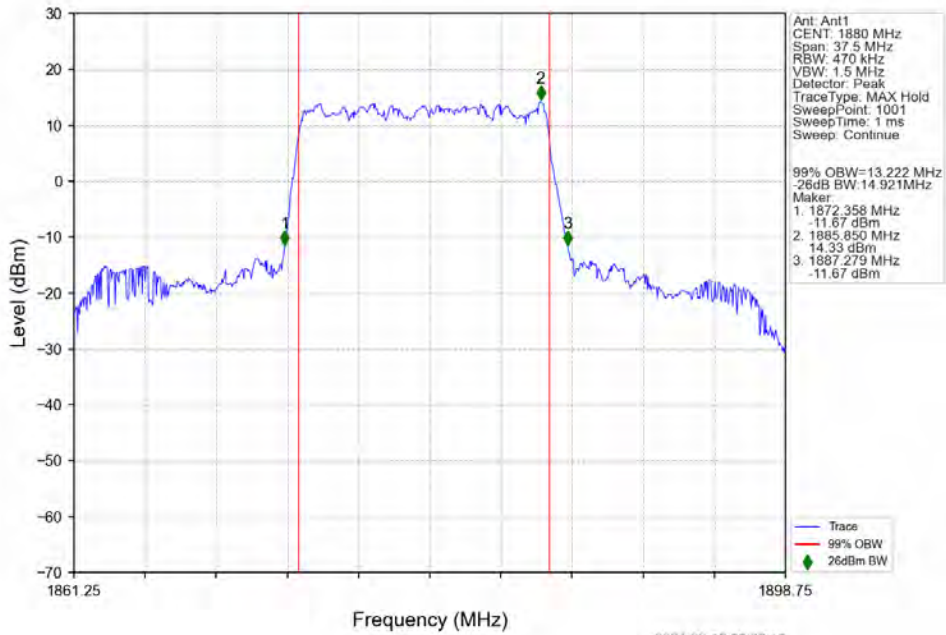
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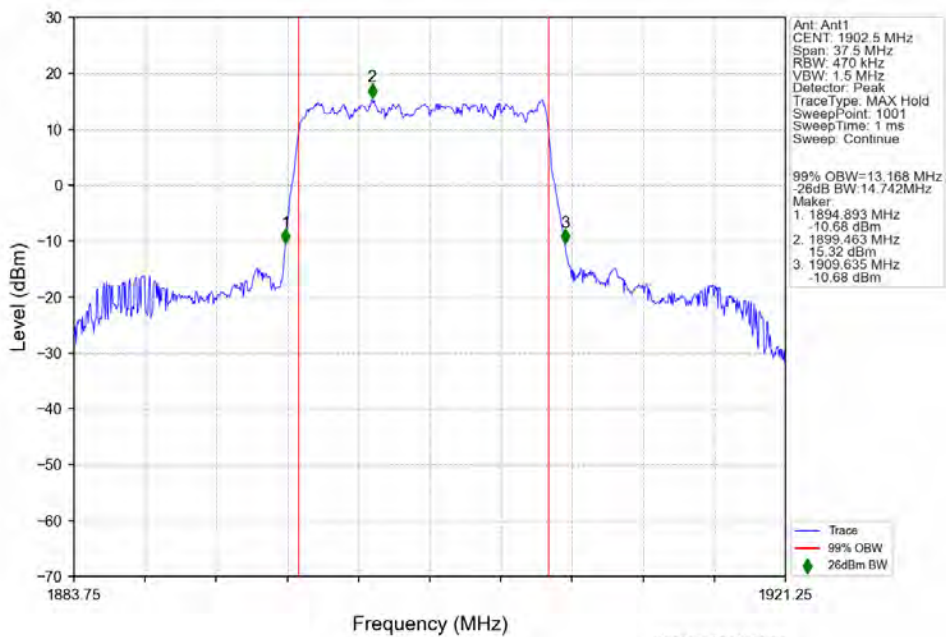
n2 30kHz SISO NTV 15MHz DFT-s-OFDM 64 QAM 1857.5MHz Outer Full



n2 30kHz SISO NTV 15MHz DFT-s-OFDM 64 QAM 1880MHz Outer Full

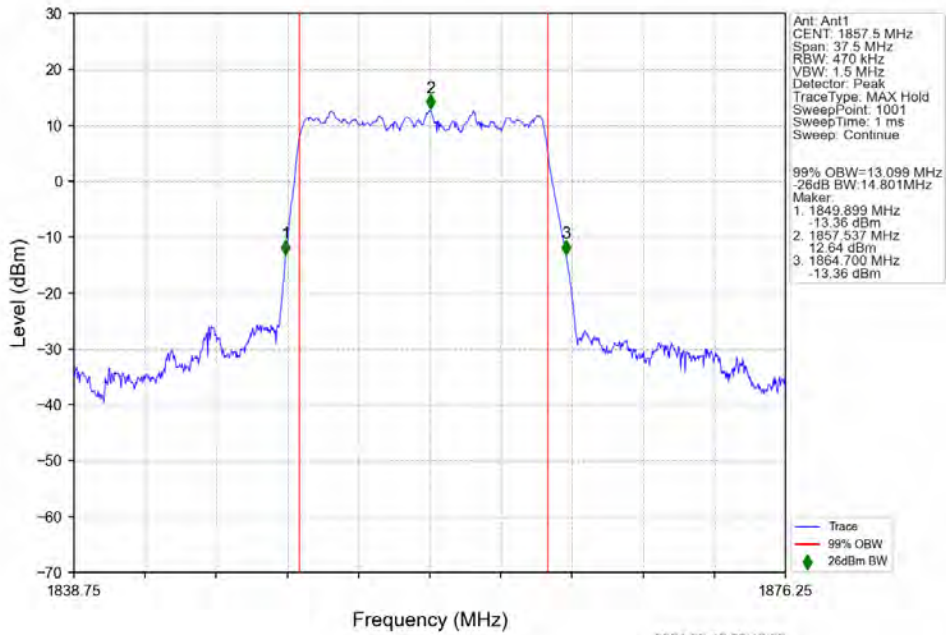


n2 30kHz SISO NTV 15MHz DFT-s-OFDM 64 QAM 1902.5MHz Outer Full

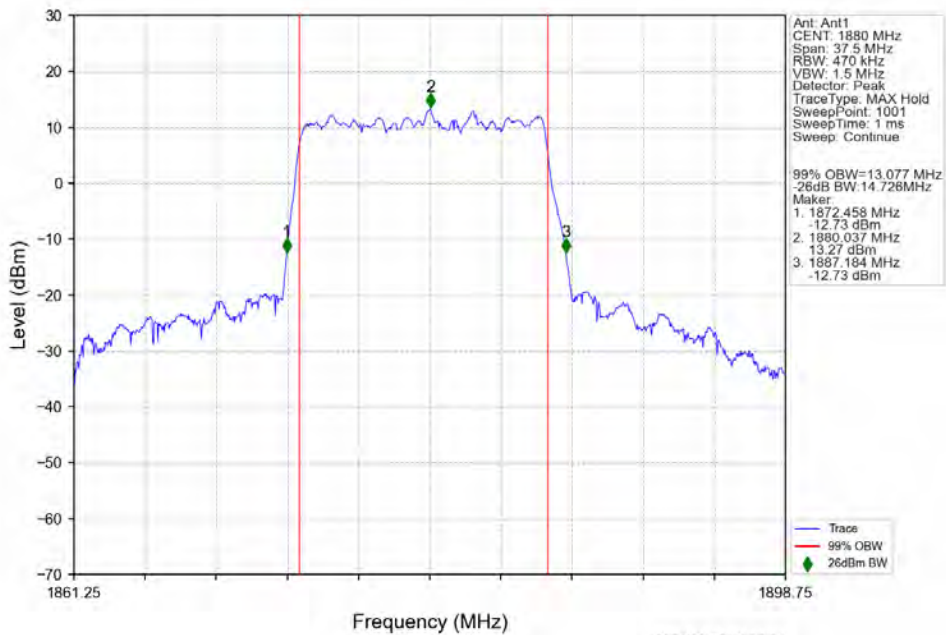




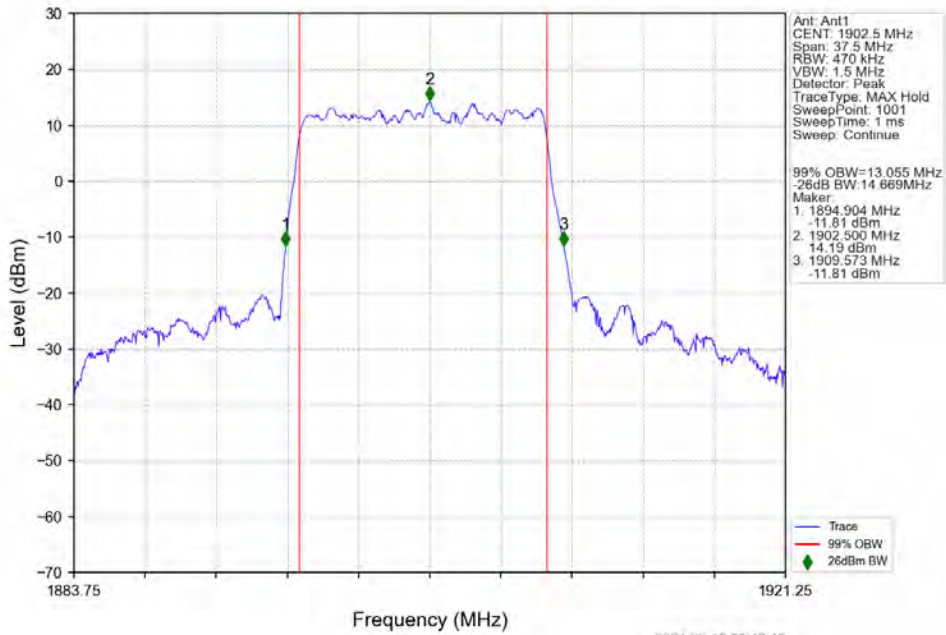
n2 30kHz SISO NTV 15MHz DFT-s-OFDM 256 QAM 1857.5MHz Outer Full



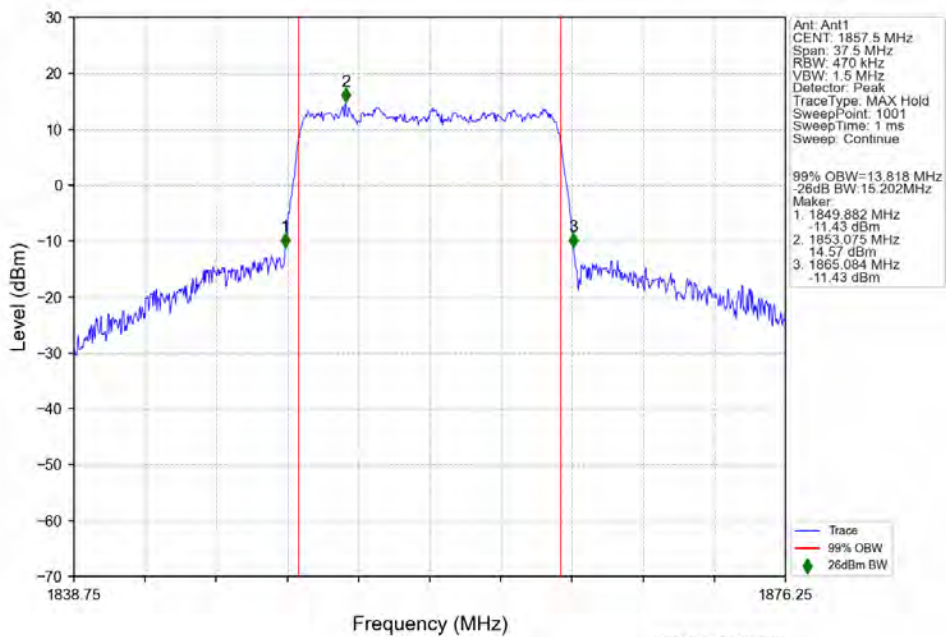
n2 30kHz SISO NTV 15MHz DFT-s-OFDM 256 QAM 1880MHz Outer Full



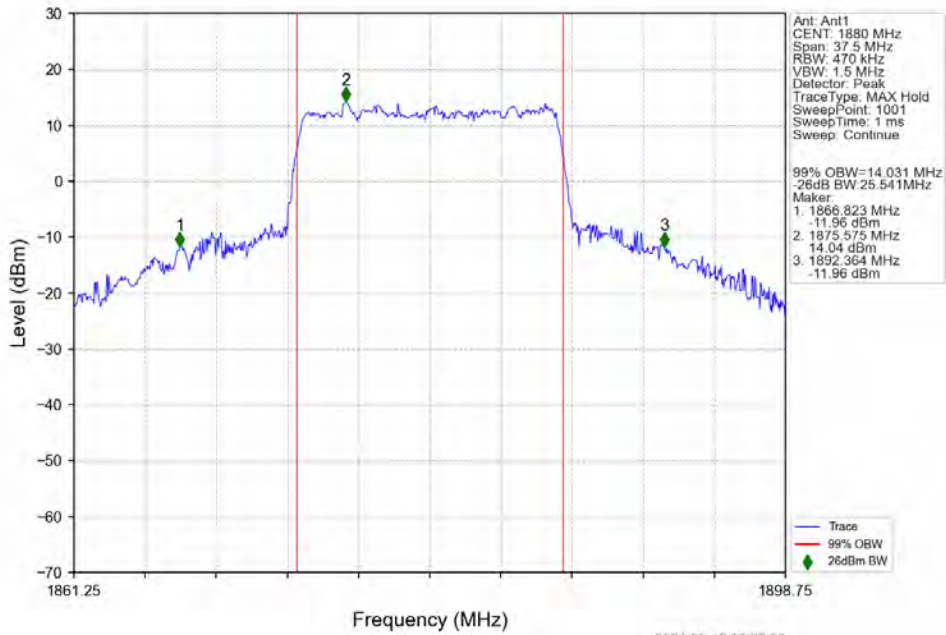
n2 30kHz SISO NTV 15MHz DFT-s-OFDM 256 QAM 1902.5MHz Outer Full



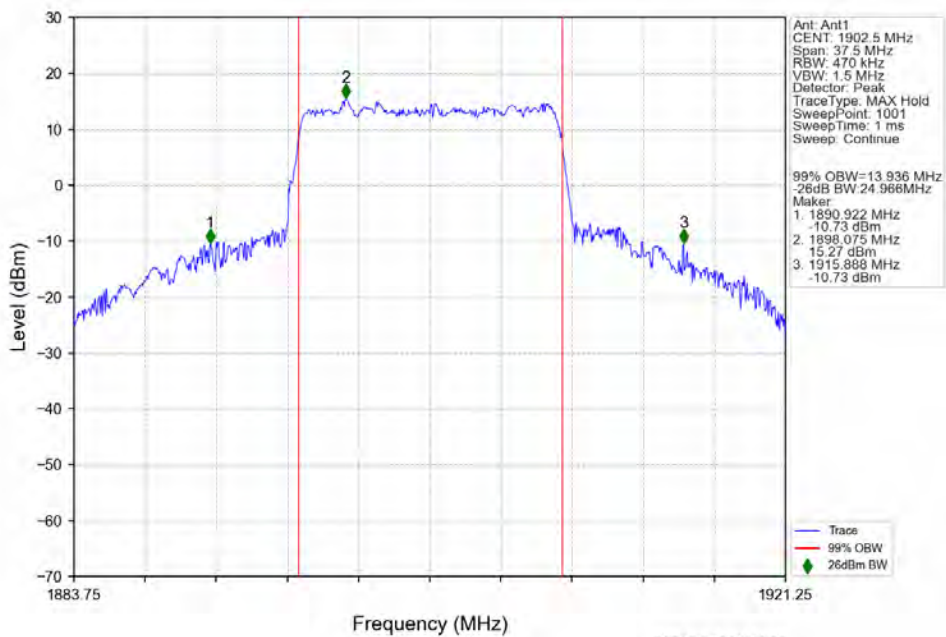
n2 30kHz SISO NTV 15MHz CP-OFDM QPSK 1857.5MHz Outer Full



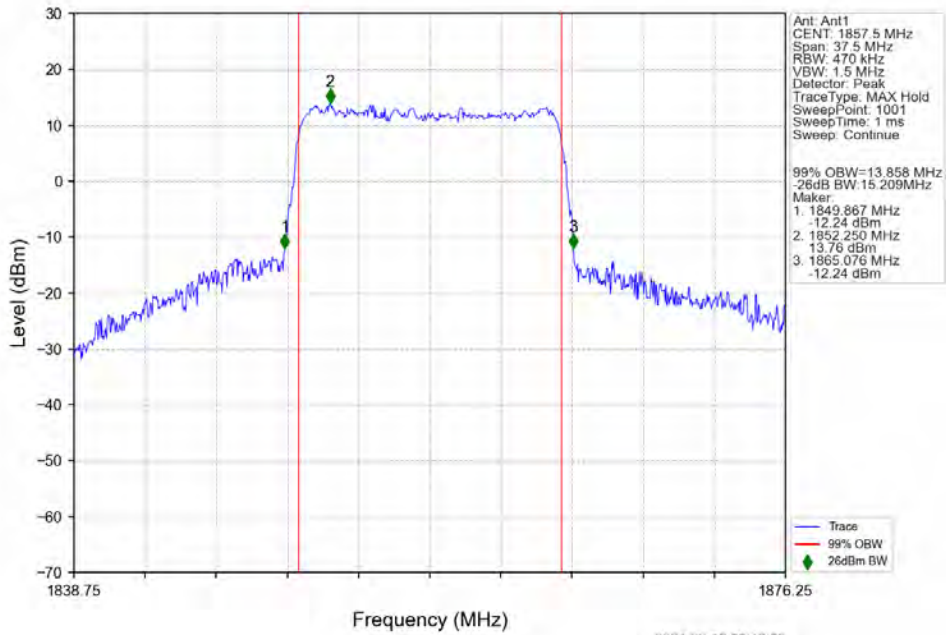
n2 30kHz SISO NTV 15MHz CP-OFDM QPSK 1880MHz Outer Full



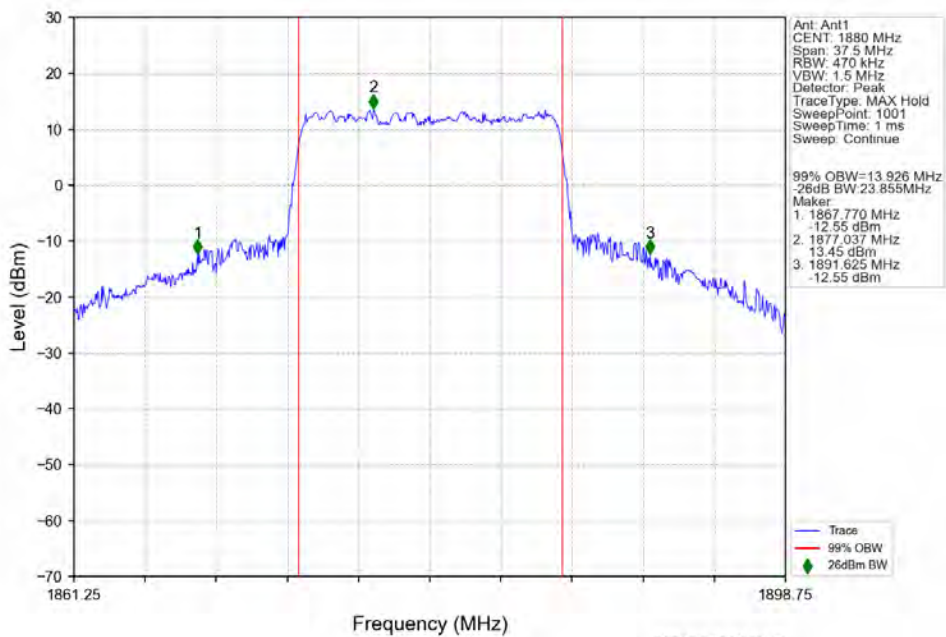
n2 30kHz SISO NTV 15MHz CP-OFDM QPSK 1902.5MHz Outer Full



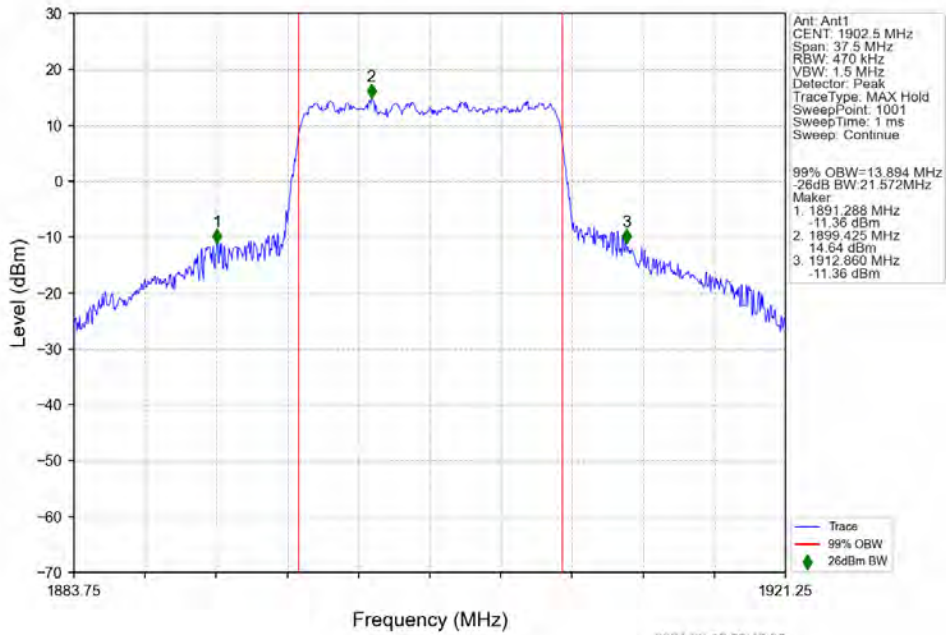
n2 30kHz SISO NTN 15MHz CP-OFDM 16 QAM 1857.5MHz Outer Full



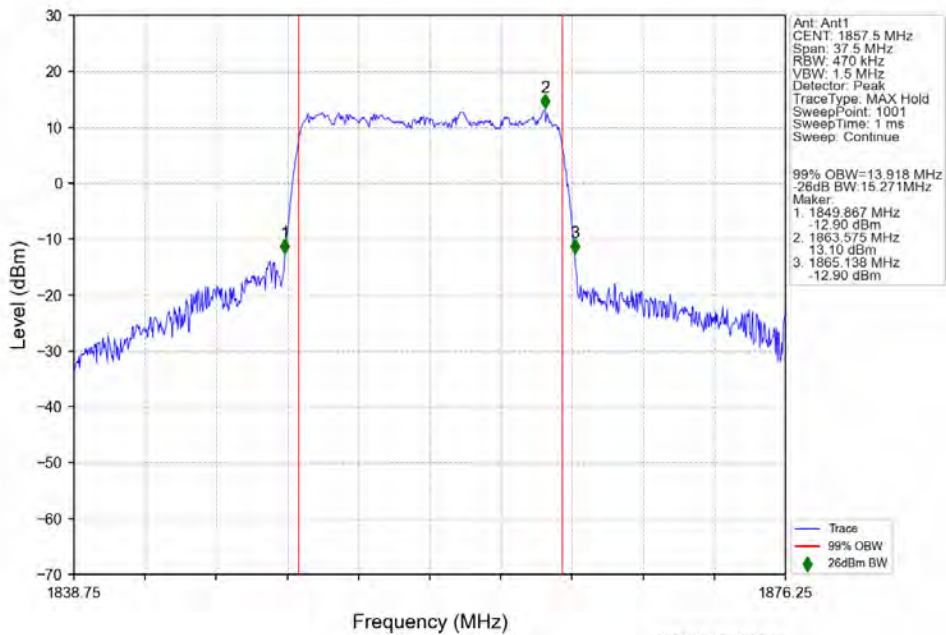
n2 30kHz SISO NTN 15MHz CP-OFDM 16 QAM 1880MHz Outer Full



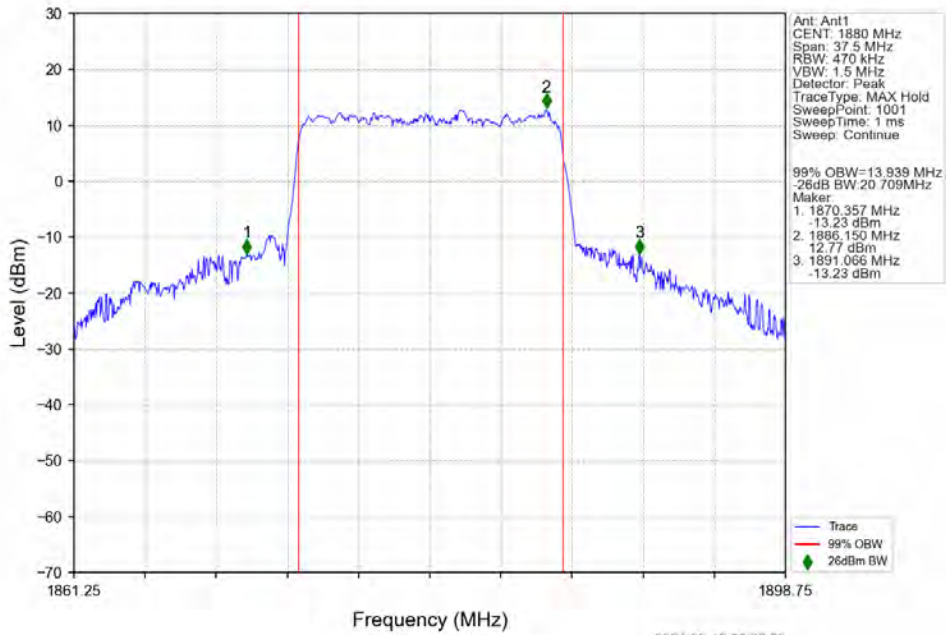
n2 30kHz SISO NTN 15MHz CP-OFDM 16 QAM 1902.5MHz Outer Full



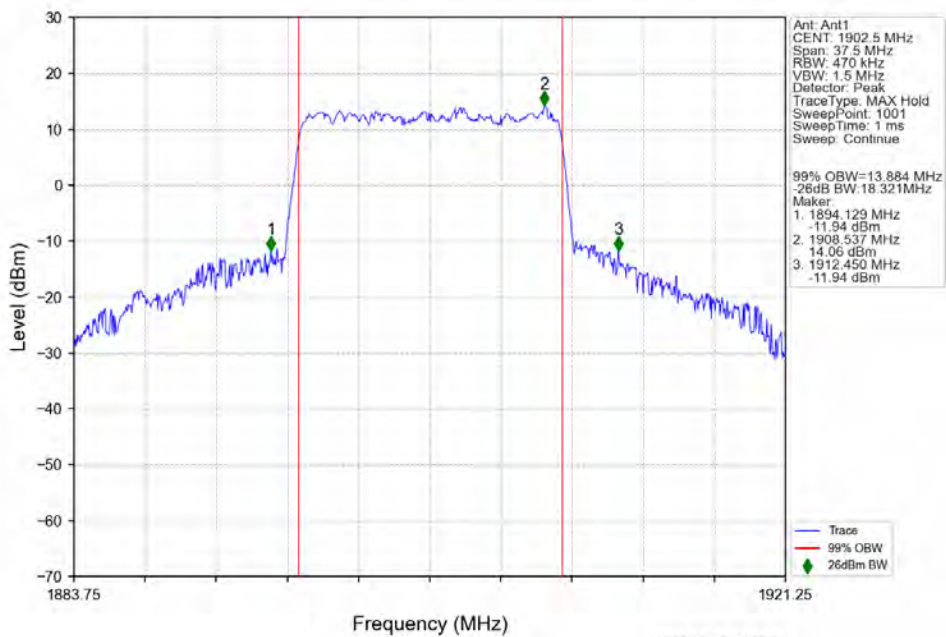
n2 30kHz SISO NTN 15MHz CP-OFDM 64 QAM 1857.5MHz Outer Full



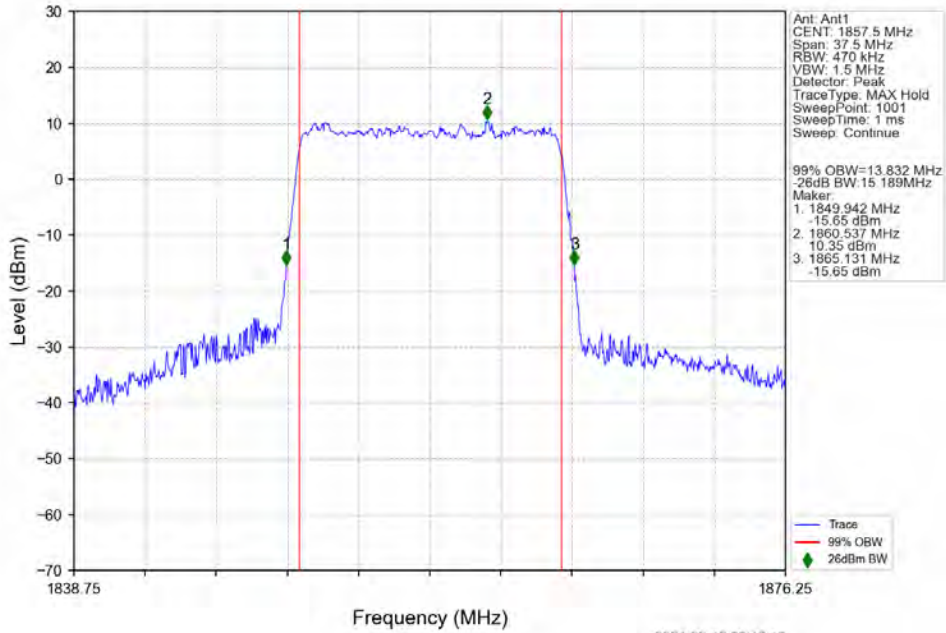
n2 30kHz SISO NTN 15MHz CP-OFDM 64 QAM 1880MHz Outer Full



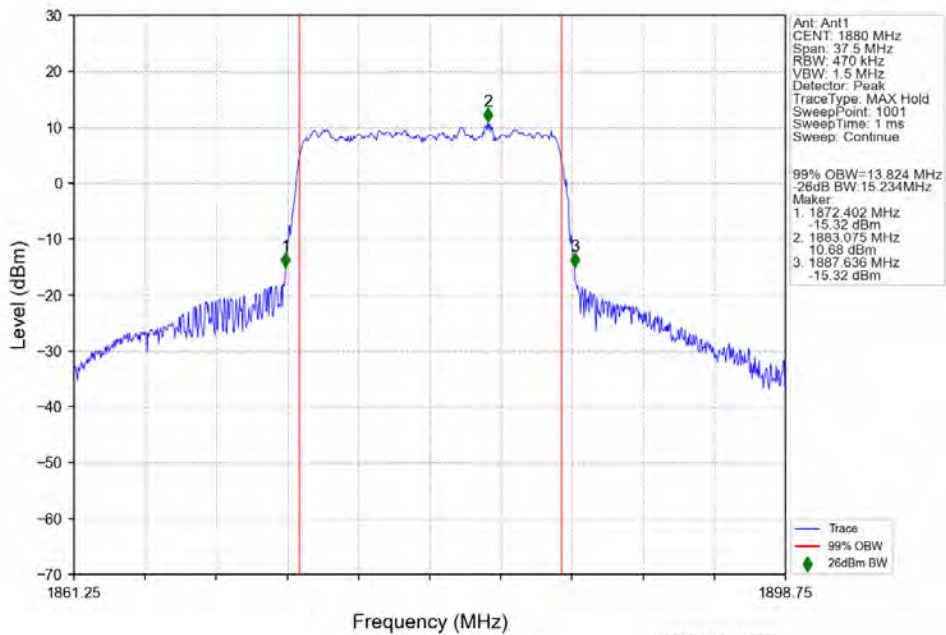
n2 30kHz SISO NTN 15MHz CP-OFDM 64 QAM 1902.5MHz Outer Full



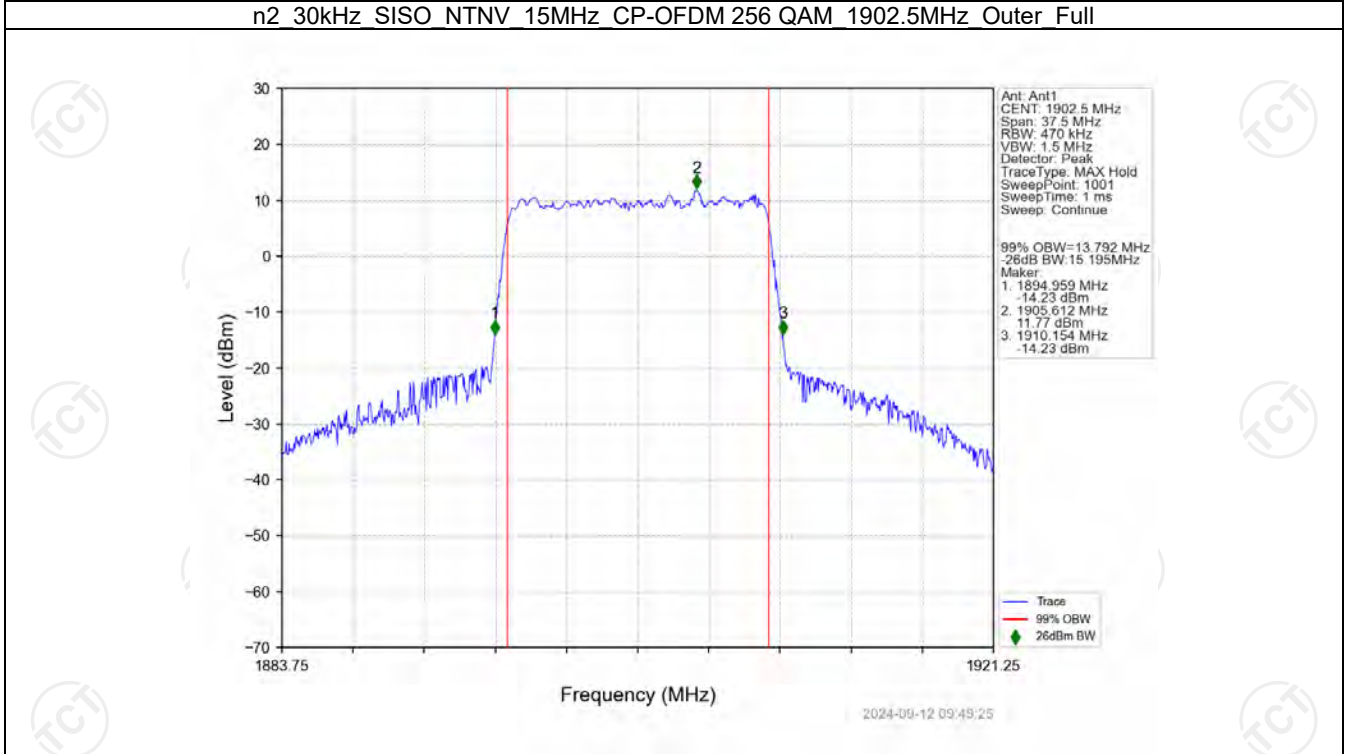
n2 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 1857.5MHz Outer Full



n2 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 1880MHz Outer Full

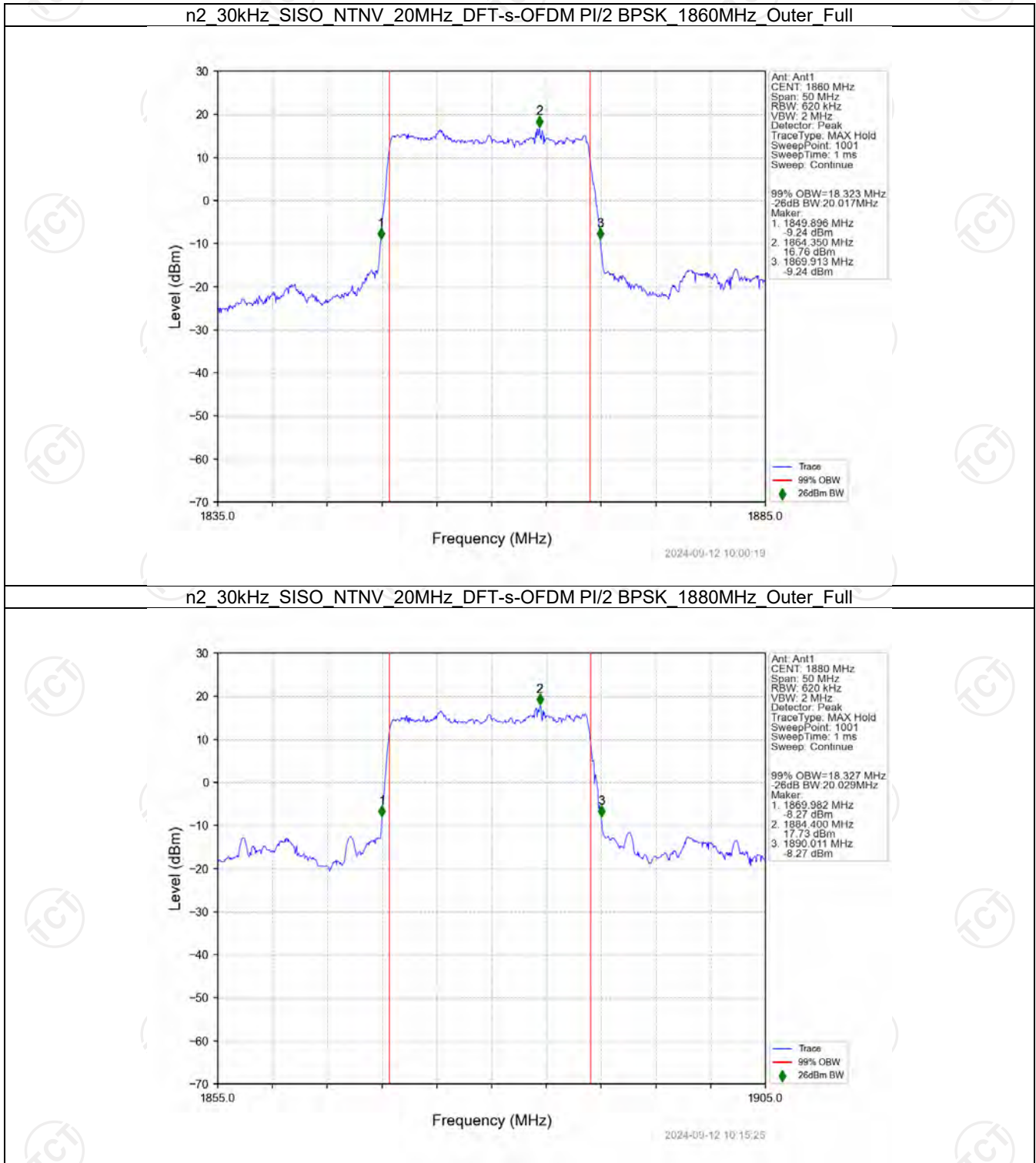


n2 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 1902.5MHz Outer Full

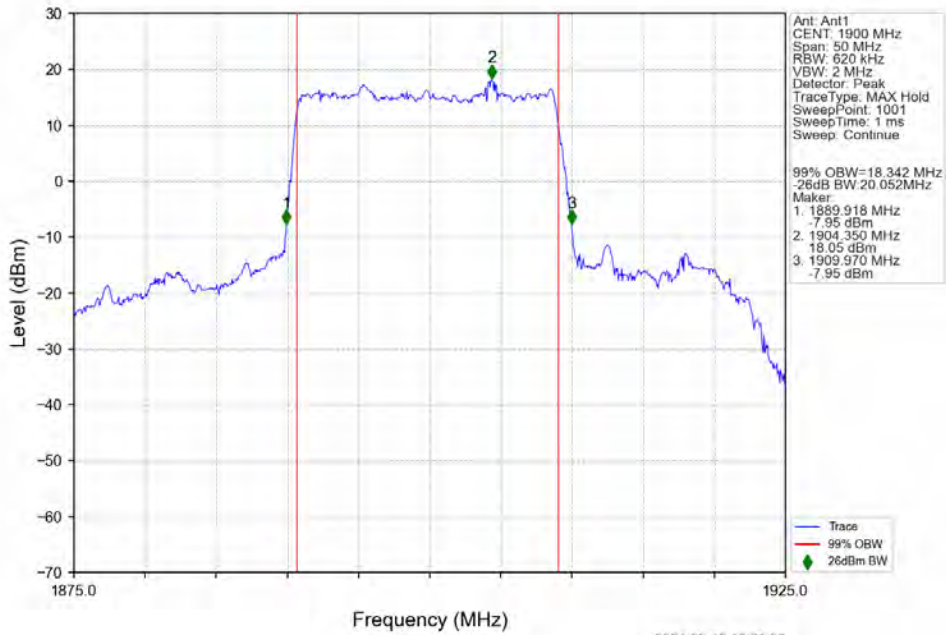




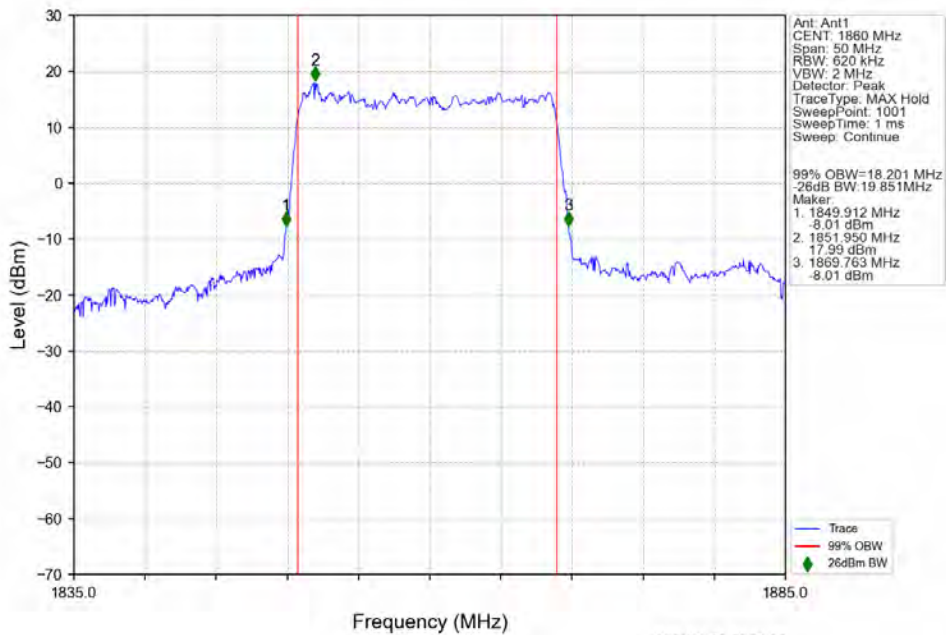
4.2.7 30k\_SISO\_20MHz\_NTNV



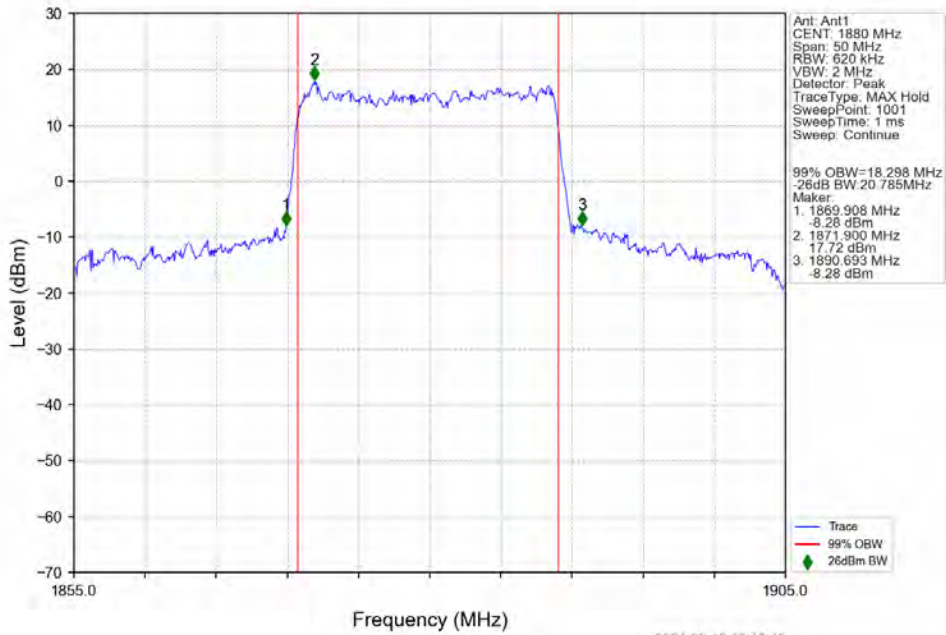
n2 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Outer Full



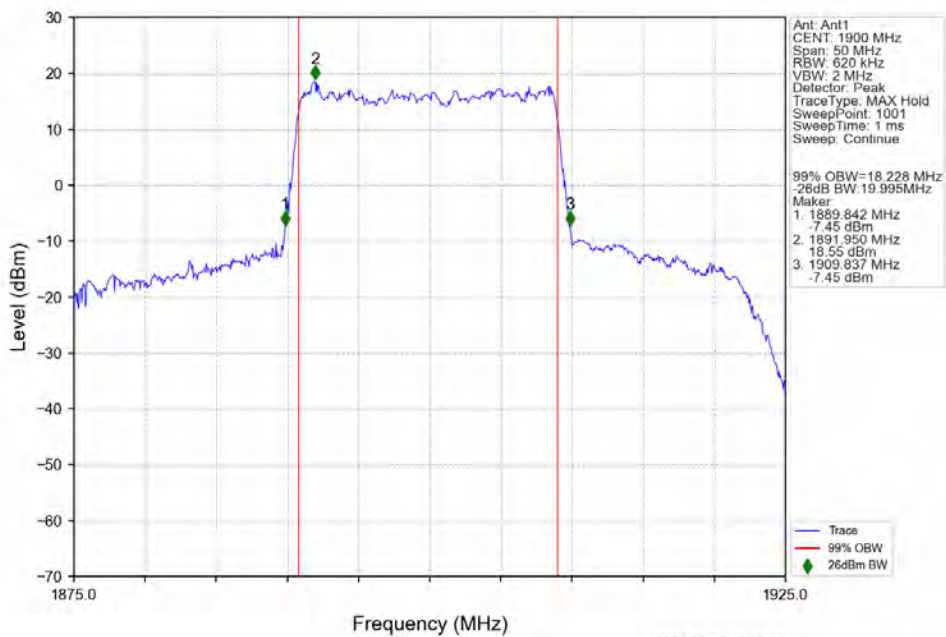
n2 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1860MHz Outer Full



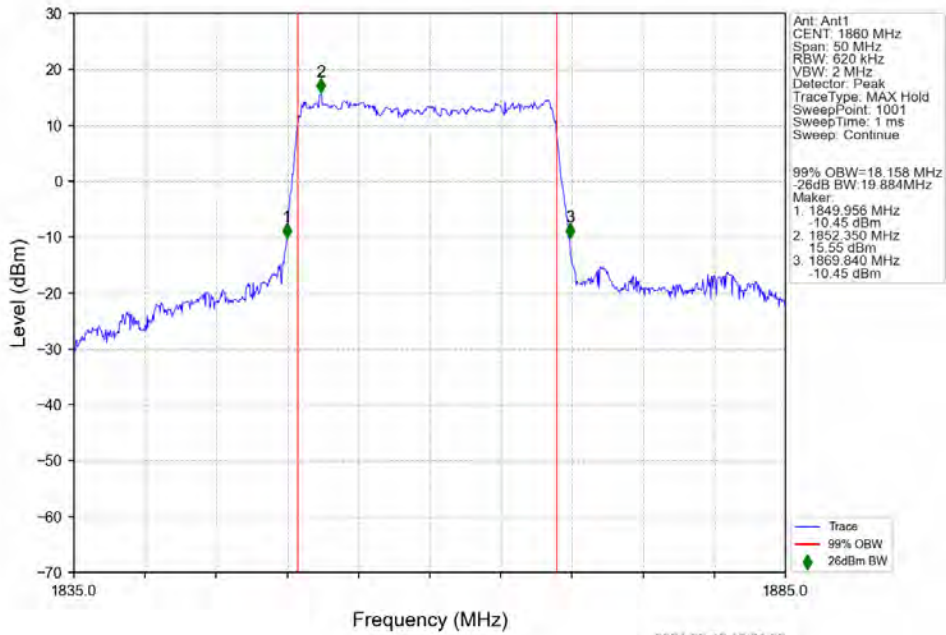
n2 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1880MHz Outer Full



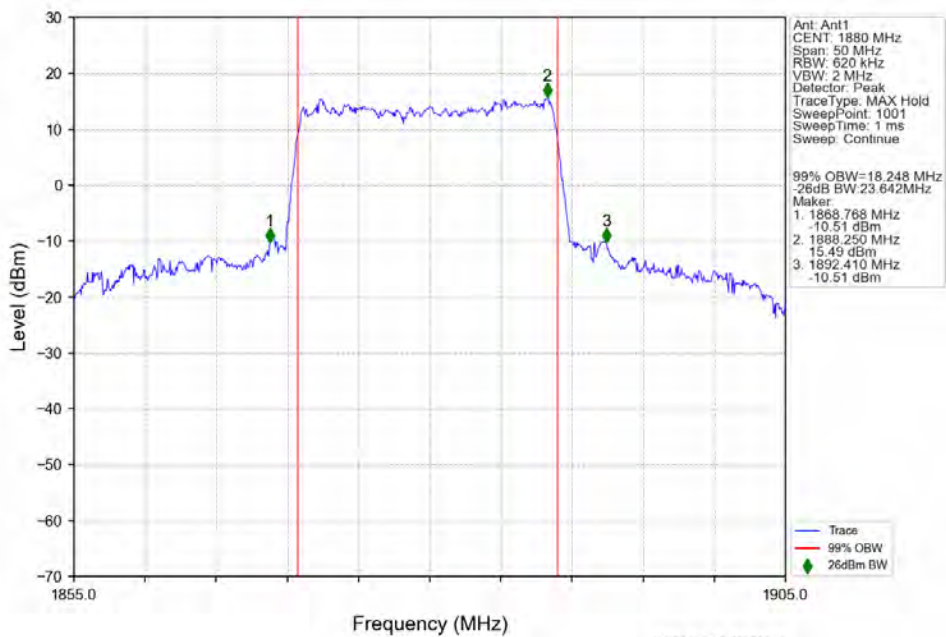
n2 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1900MHz Outer Full



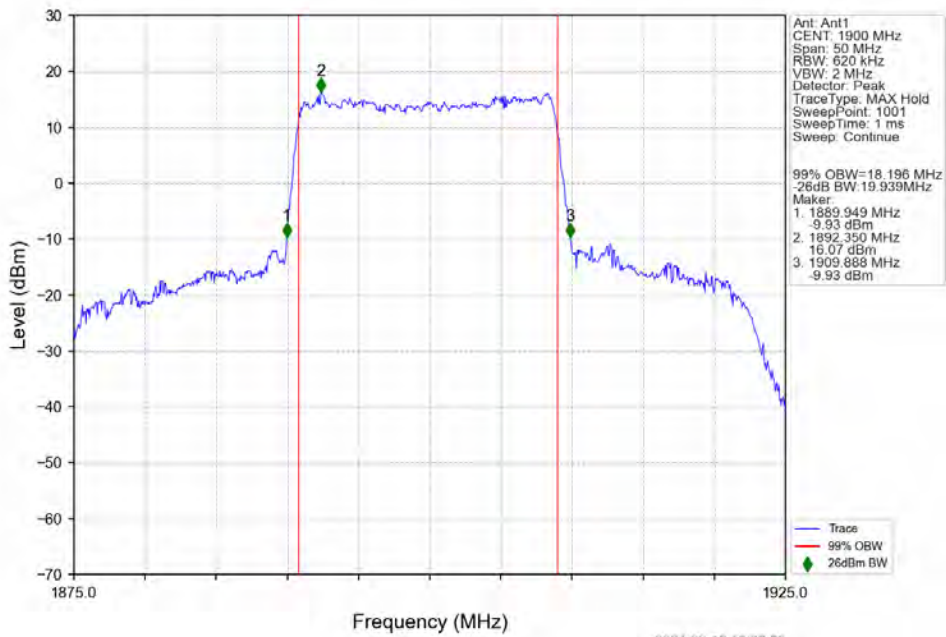
n2 30kHz SISO NTNv 20MHz DFT-s-OFDM 16 QAM 1860MHz Outer Full



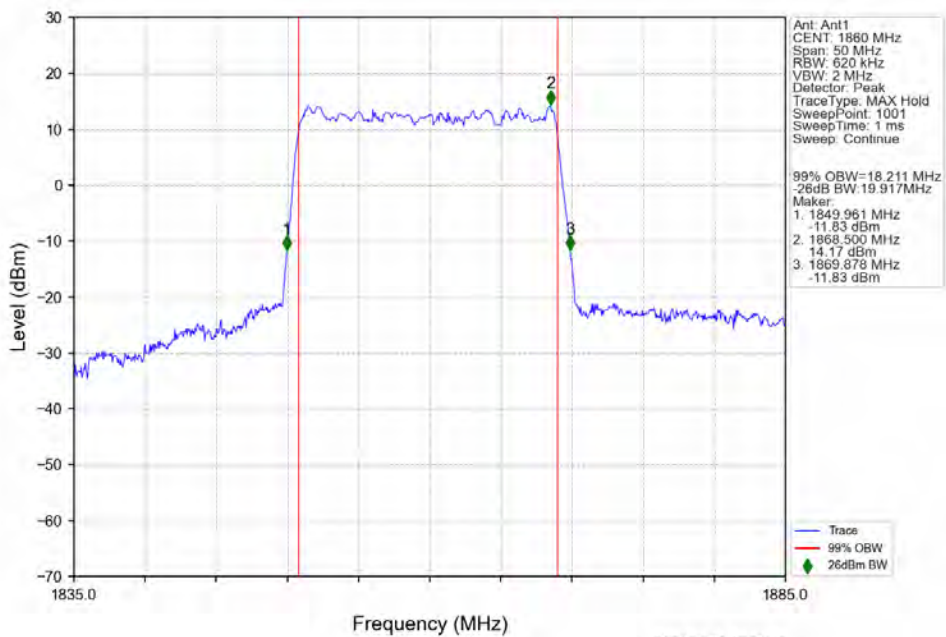
n2 30kHz SISO NTNv 20MHz DFT-s-OFDM 16 QAM 1880MHz Outer Full



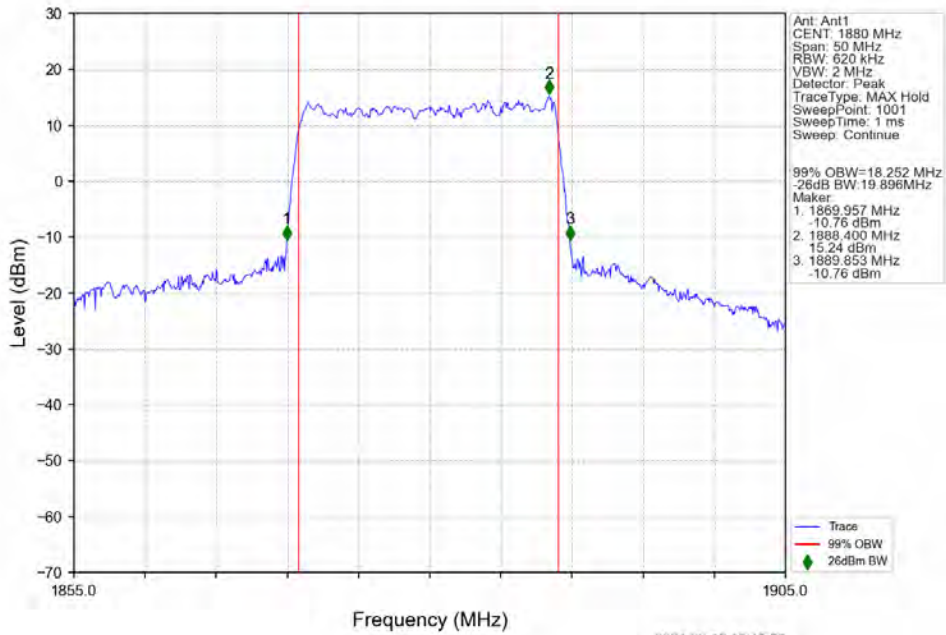
n2 30kHz SISO NTNv 20MHz DFT-s-OFDM 16 QAM 1900MHz Outer Full



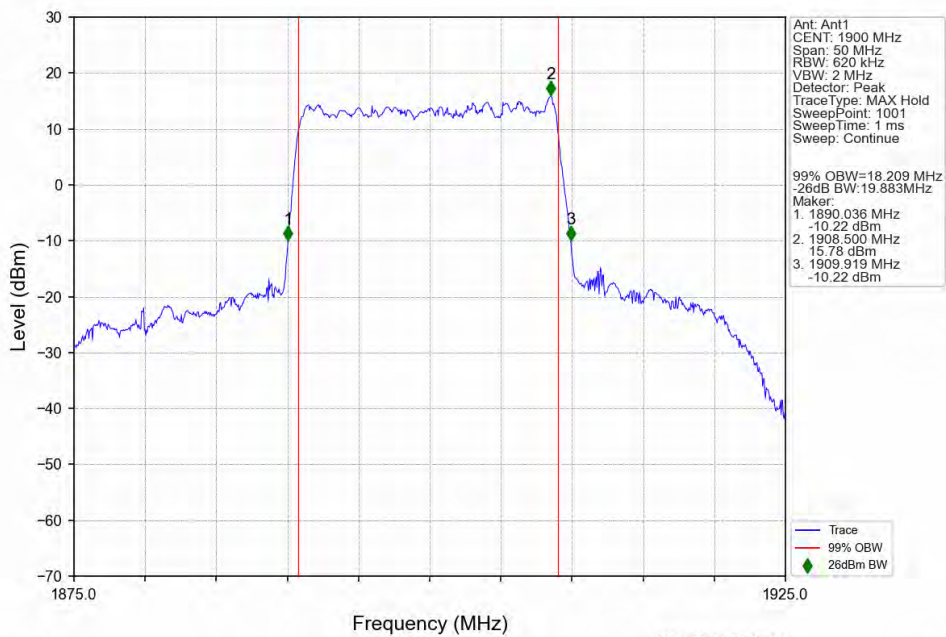
n2 30kHz SISO NTNv 20MHz DFT-s-OFDM 64 QAM 1860MHz Outer Full



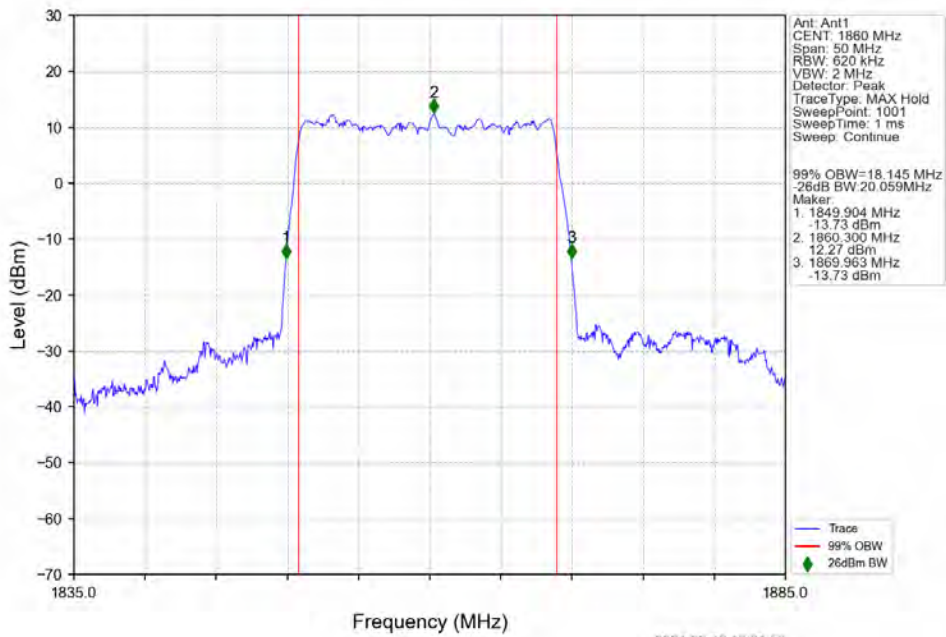
n2 30kHz SISO NTNv 20MHz DFT-s-OFDM 64 QAM 1880MHz Outer Full



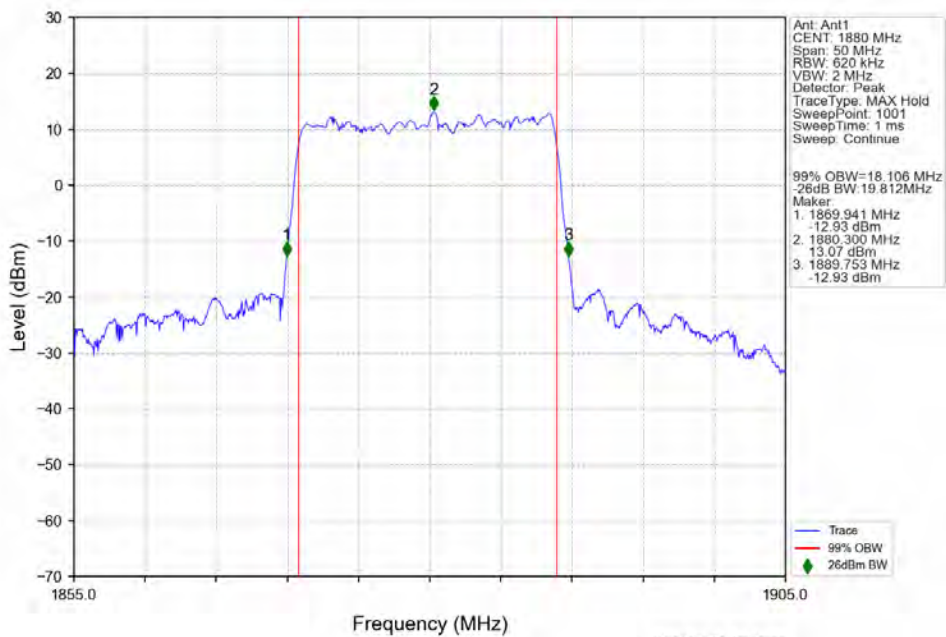
n2 30kHz SISO NTNv 20MHz DFT-s-OFDM 64 QAM 1900MHz Outer Full



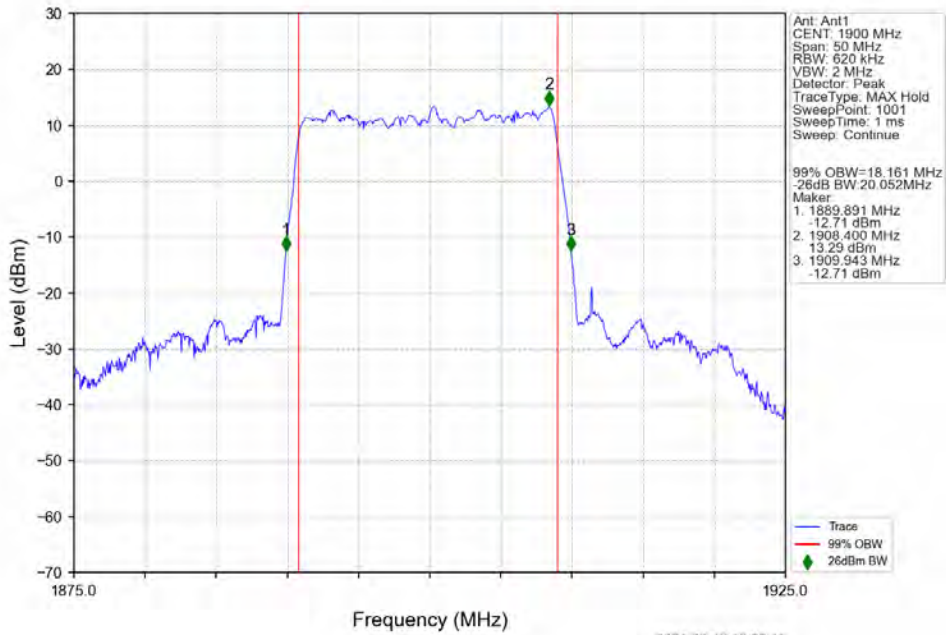
n2 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 1860MHz Outer Full



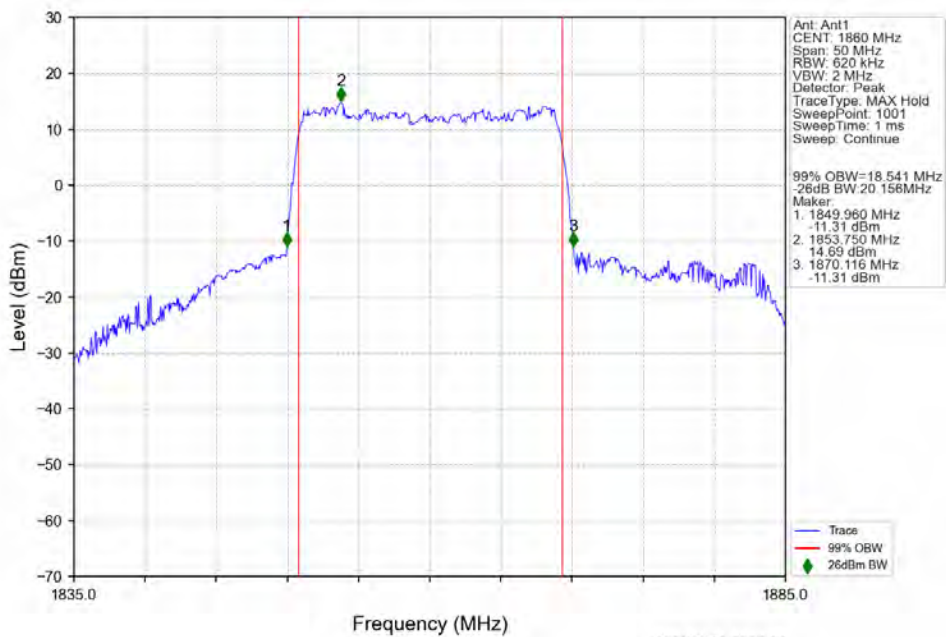
n2 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 1880MHz Outer Full



n2 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 1900MHz Outer Full

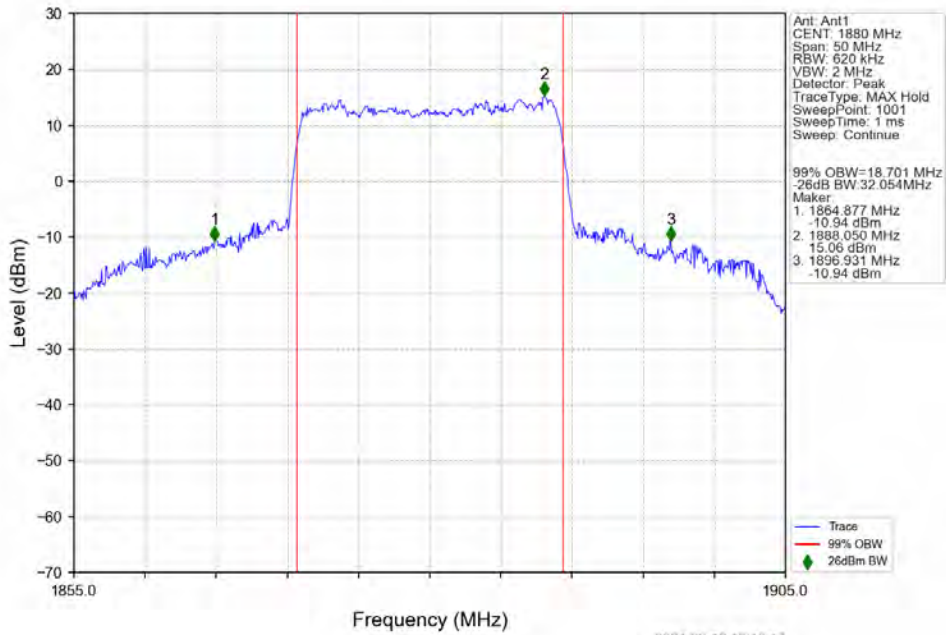


n2 30kHz SISO NTN 20MHz CP-OFDM QPSK 1860MHz Outer Full

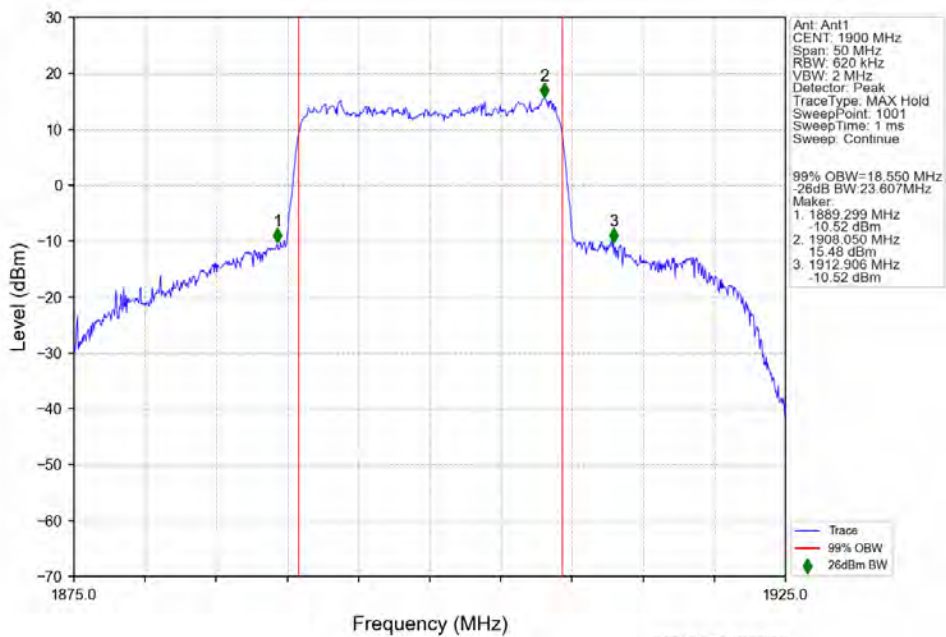




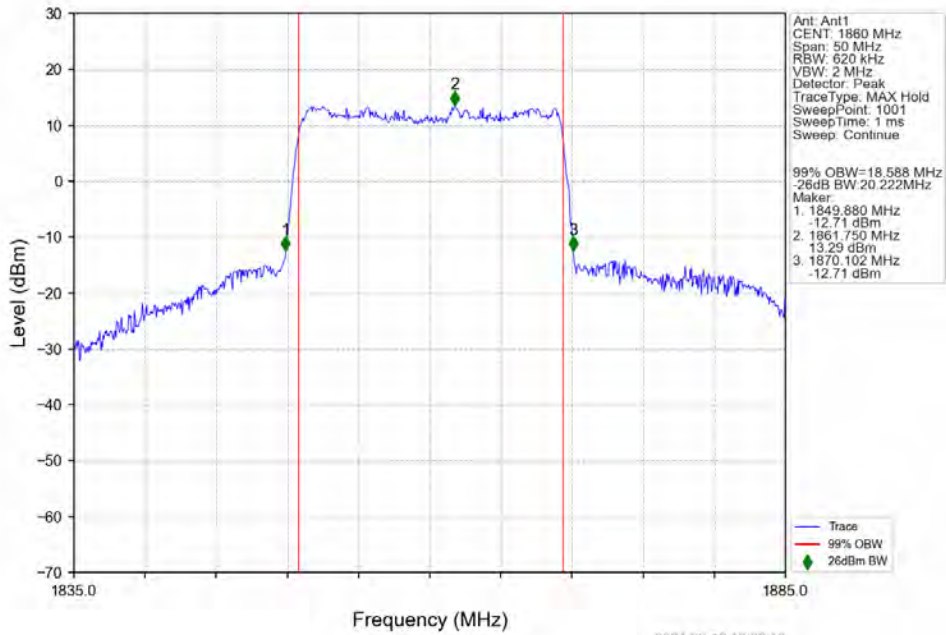
n2 30kHz SISO NTN 20MHz CP-OFDM QPSK 1880MHz Outer Full



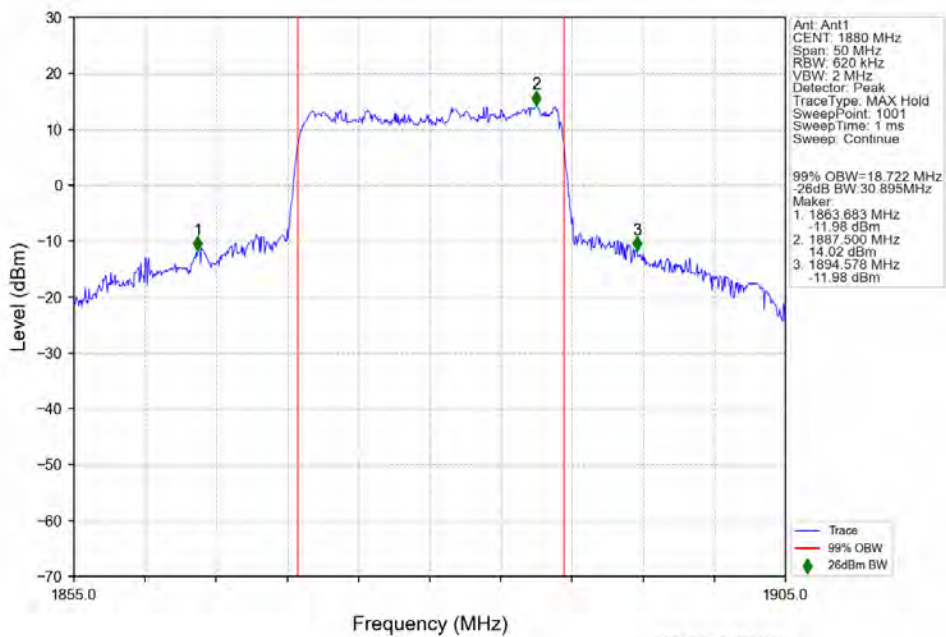
n2 30kHz SISO NTN 20MHz CP-OFDM QPSK 1900MHz Outer Full



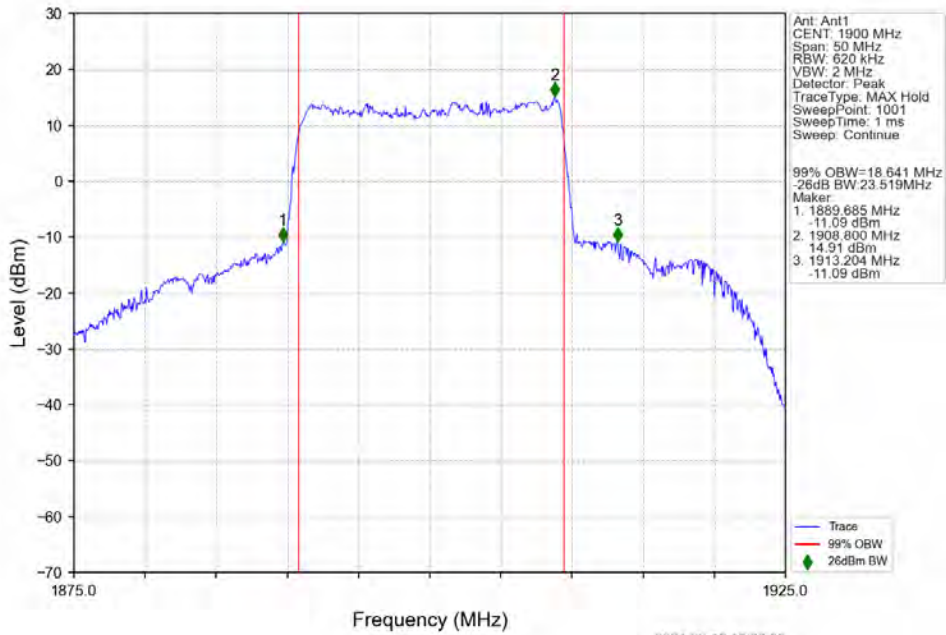
n2 30kHz SISO NTV 20MHz CP-OFDM 16 QAM 1860MHz Outer Full



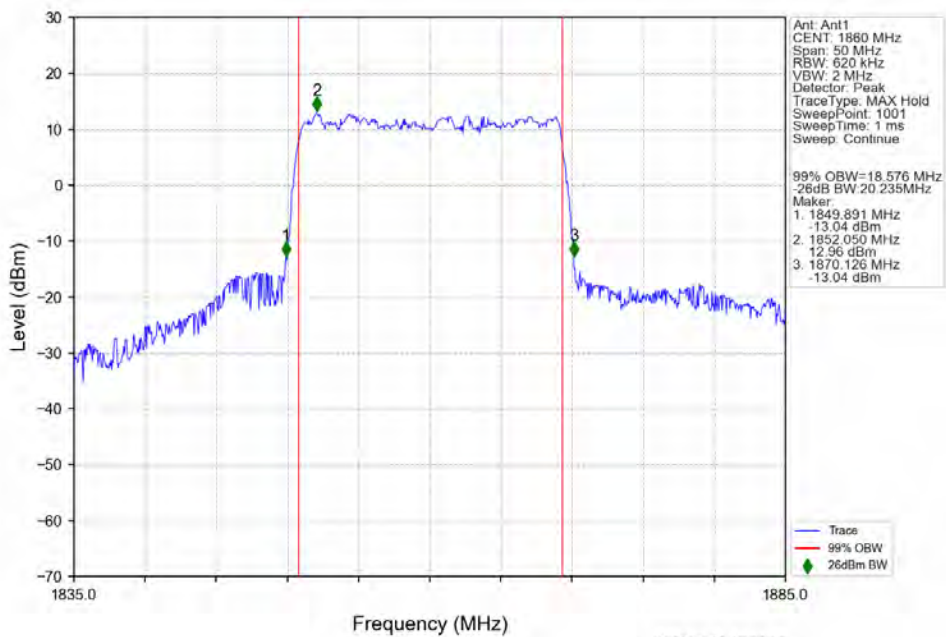
n2 30kHz SISO NTV 20MHz CP-OFDM 16 QAM 1880MHz Outer Full



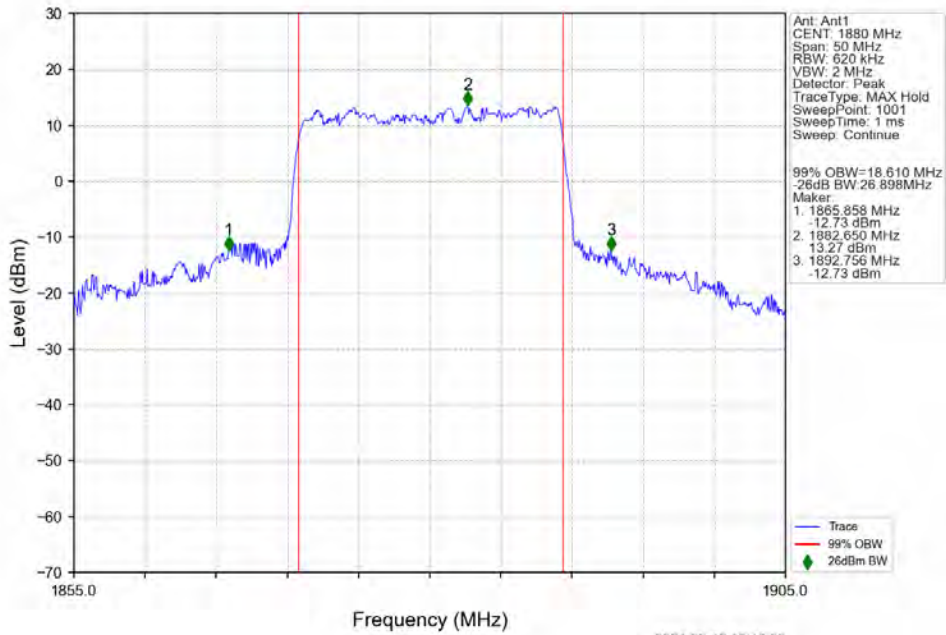
n2 30kHz SISO NTV 20MHz CP-OFDM 16 QAM 1900MHz Outer Full



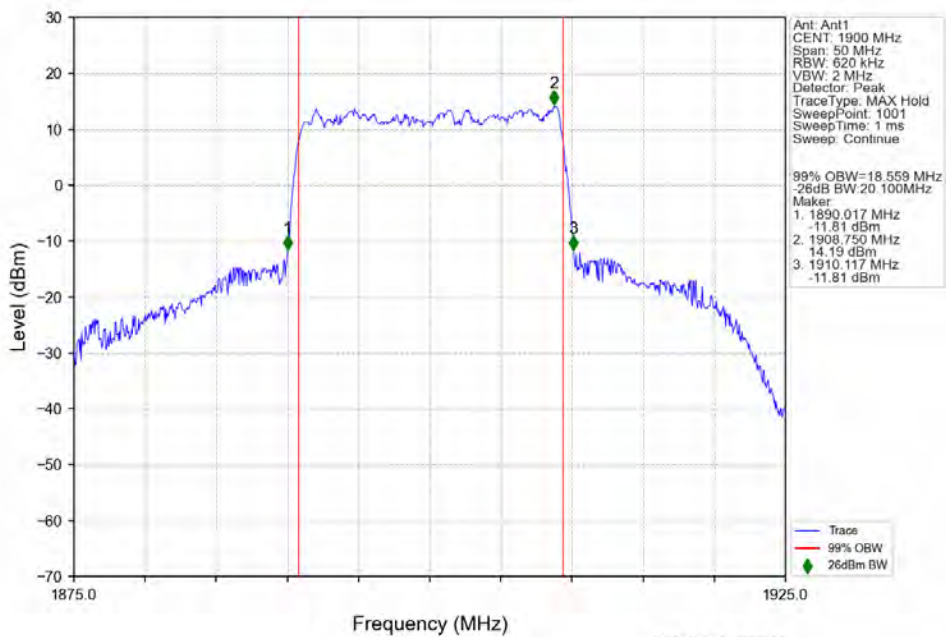
n2 30kHz SISO NTV 20MHz CP-OFDM 64 QAM 1860MHz Outer Full



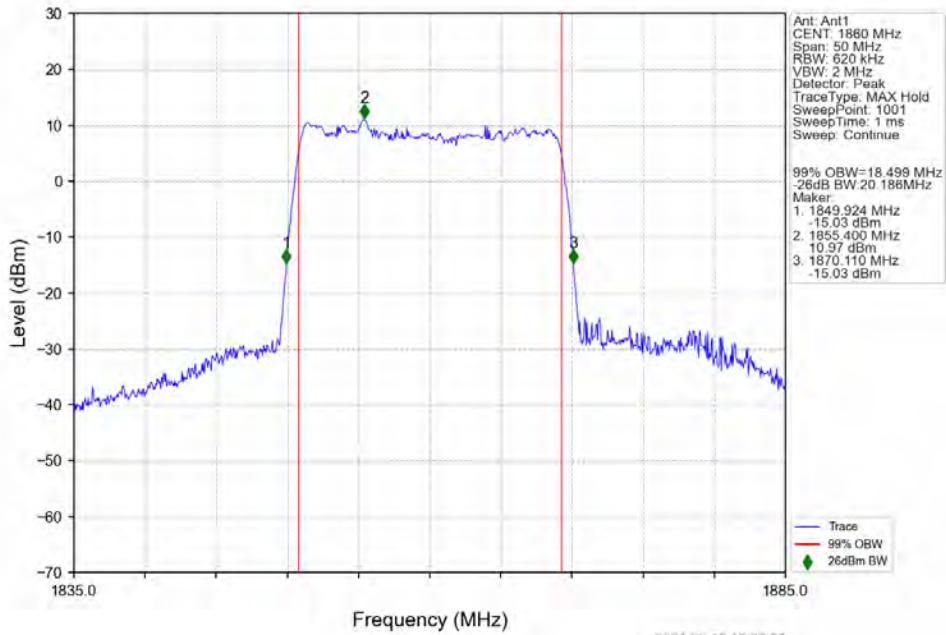
n2 30kHz SISO NTV 20MHz CP-OFDM 64 QAM 1880MHz Outer Full



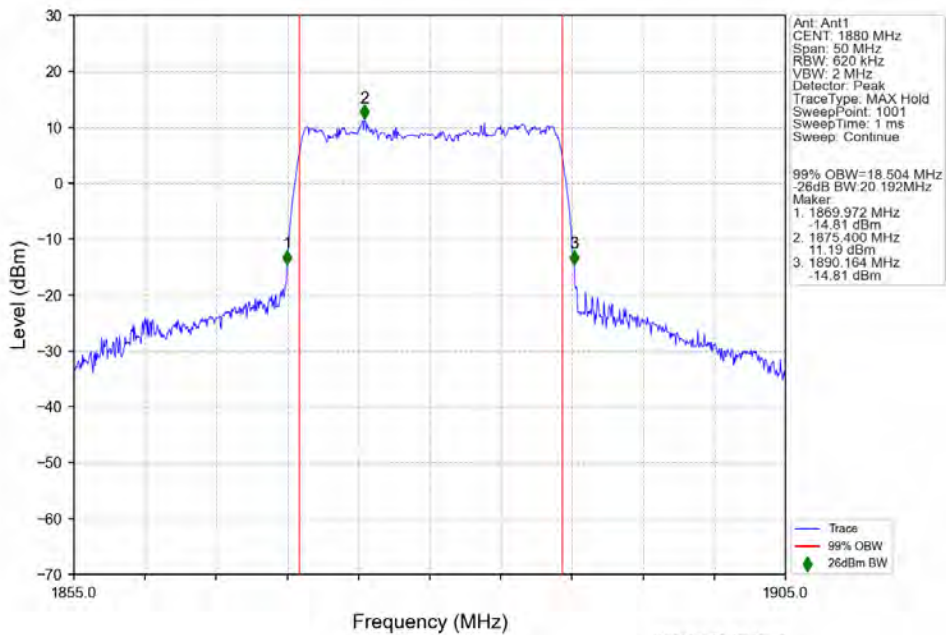
n2 30kHz SISO NTV 20MHz CP-OFDM 64 QAM 1900MHz Outer Full



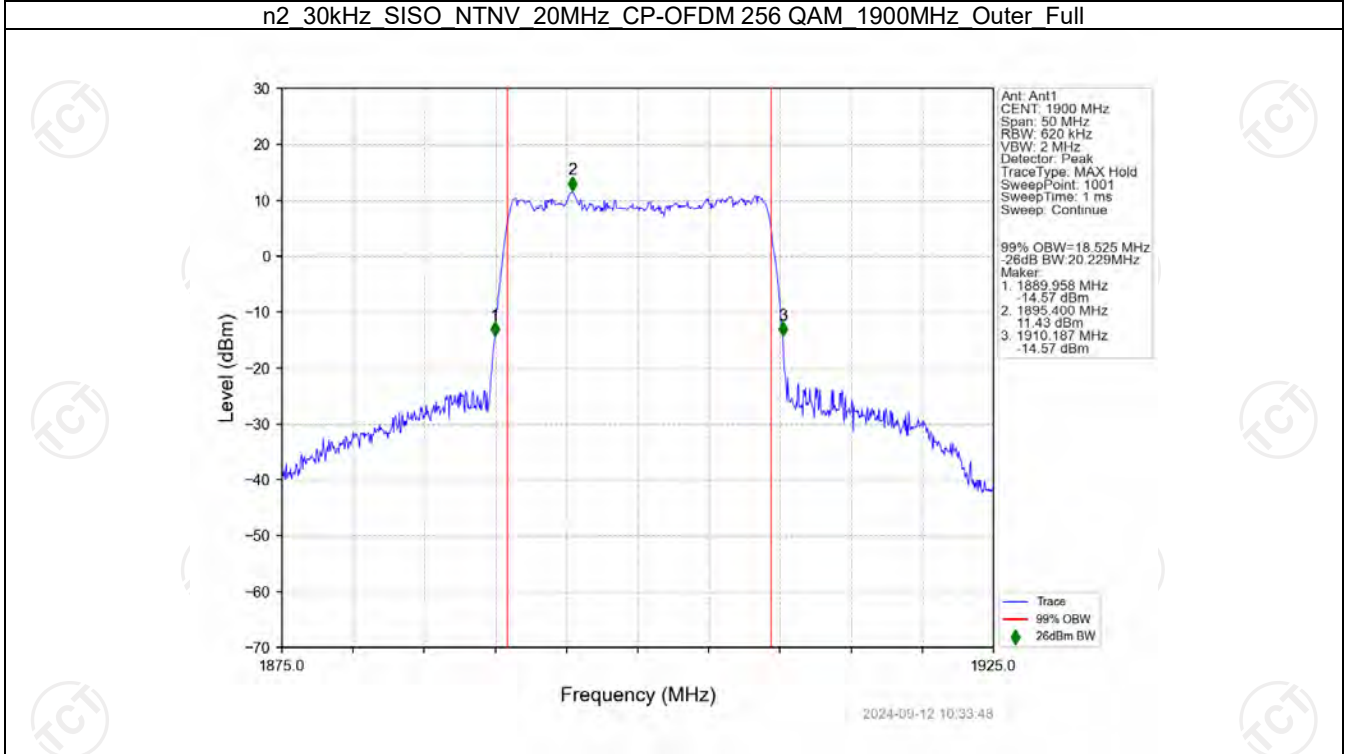
n2 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 1860MHz Outer Full



n2 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 1880MHz Outer Full



n2 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 1900MHz Outer Full



## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 15k\_SISO\_5MHz\_NTNV

5G NR n2 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	1852.5	Outer Full	3.65	/	/	<=13	Pass
	1880	Outer Full	3.20	/	/	<=13	Pass
	1907.5	Outer Full	3.31	/	/	<=13	Pass
DFT-s-OFDM QPSK	1852.5	Outer Full	4.38	/	/	<=13	Pass
	1880	Outer Full	3.88	/	/	<=13	Pass
	1907.5	Outer Full	3.92	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1852.5	Outer Full	5.27	/	/	<=13	Pass
	1880	Outer Full	4.75	/	/	<=13	Pass
	1907.5	Outer Full	4.79	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1852.5	Outer Full	5.73	/	/	<=13	Pass
	1880	Outer Full	5.16	/	/	<=13	Pass
	1907.5	Outer Full	5.30	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1852.5	Outer Full	6.41	/	/	<=13	Pass
	1880	Outer Full	6.02	/	/	<=13	Pass
	1907.5	Outer Full	6.05	/	/	<=13	Pass
CP-OFDM QPSK	1852.5	Outer Full	6.66	/	/	<=13	Pass
	1880	Outer Full	5.90	/	/	<=13	Pass
	1907.5	Outer Full	5.97	/	/	<=13	Pass
CP-OFDM 16 QAM	1852.5	Outer Full	6.80	/	/	<=13	Pass
	1880	Outer Full	6.17	/	/	<=13	Pass
	1907.5	Outer Full	6.21	/	/	<=13	Pass
CP-OFDM 64 QAM	1852.5	Outer Full	7.35	/	/	<=13	Pass
	1880	Outer Full	6.73	/	/	<=13	Pass
	1907.5	Outer Full	6.81	/	/	<=13	Pass
CP-OFDM 256 QAM	1852.5	Outer Full	8.17	/	/	<=13	Pass
	1880	Outer Full	7.76	/	/	<=13	Pass
	1907.5	Outer Full	7.78	/	/	<=13	Pass

#### 5.1.2 15k\_SISO\_10MHz\_NTNV

5G NR n2 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	1855	Outer Full	3.91	/	/	<=13	Pass
	1880	Outer Full	3.34	/	/	<=13	Pass
	1905	Outer Full	3.68	/	/	<=13	Pass
DFT-s-OFDM QPSK	1855	Outer Full	4.65	/	/	<=13	Pass
	1880	Outer Full	3.98	/	/	<=13	Pass
	1905	Outer Full	4.35	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1855	Outer Full	5.67	/	/	<=13	Pass
	1880	Outer Full	4.94	/	/	<=13	Pass
	1905	Outer Full	5.31	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1855	Outer Full	6.04	/	/	<=13	Pass
	1880	Outer Full	5.37	/	/	<=13	Pass
	1905	Outer Full	5.69	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	1855	Outer Full	6.41	/	/	<=13	Pass
	1880	Outer Full	5.93	/	/	<=13	Pass
	1905	Outer Full	6.13	/	/	<=13	Pass
CP-OFDM QPSK	1855	Outer Full	7.18	/	/	<=13	Pass
	1880	Outer Full	6.23	/	/	<=13	Pass
	1905	Outer Full	6.59	/	/	<=13	Pass
CP-OFDM 16 QAM	1855	Outer Full	7.53	/	/	<=13	Pass
	1880	Outer Full	6.51	/	/	<=13	Pass
	1905	Outer Full	6.90	/	/	<=13	Pass
CP-OFDM 64 QAM	1855	Outer Full	7.75	/	/	<=13	Pass
	1880	Outer Full	6.87	/	/	<=13	Pass
	1905	Outer Full	7.16	/	/	<=13	Pass
CP-OFDM 256 QAM	1855	Outer Full	8.37	/	/	<=13	Pass
	1880	Outer Full	7.82	/	/	<=13	Pass
	1905	Outer Full	8.05	/	/	<=13	Pass

### 5.1.3 15k\_SISO\_15MHz\_NTNV

5G NR n2 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	1857.5	Outer Full	4.05	/	/	<=13	Pass
	1880	Outer Full	3.27	/	/	<=13	Pass
	1902.5	Outer Full	3.85	/	/	<=13	Pass
DFT-s-OFDM QPSK	1857.5	Outer Full	4.73	/	/	<=13	Pass
	1880	Outer Full	3.60	/	/	<=13	Pass
	1902.5	Outer Full	4.17	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1857.5	Outer Full	5.74	/	/	<=13	Pass
	1880	Outer Full	4.63	/	/	<=13	Pass
	1902.5	Outer Full	5.16	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1857.5	Outer Full	6.18	/	/	<=13	Pass
	1880	Outer Full	5.06	/	/	<=13	Pass
	1902.5	Outer Full	5.67	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1857.5	Outer Full	6.56	/	/	<=13	Pass
	1880	Outer Full	5.80	/	/	<=13	Pass
	1902.5	Outer Full	6.22	/	/	<=13	Pass
CP-OFDM QPSK	1857.5	Outer Full	7.33	/	/	<=13	Pass
	1880	Outer Full	5.84	/	/	<=13	Pass
	1902.5	Outer Full	6.49	/	/	<=13	Pass
CP-OFDM 16 QAM	1857.5	Outer Full	7.55	/	/	<=13	Pass
	1880	Outer Full	6.10	/	/	<=13	Pass
	1902.5	Outer Full	6.84	/	/	<=13	Pass
CP-OFDM 64 QAM	1857.5	Outer Full	7.77	/	/	<=13	Pass
	1880	Outer Full	6.53	/	/	<=13	Pass
	1902.5	Outer Full	7.13	/	/	<=13	Pass
CP-OFDM 256 QAM	1857.5	Outer Full	8.42	/	/	<=13	Pass
	1880	Outer Full	7.78	/	/	<=13	Pass
	1902.5	Outer Full	8.12	/	/	<=13	Pass

### 5.1.4 15k\_SISO\_20MHz\_NTNV

5G NR n2 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	1860	Outer Full	4.20	/	/	<=13	Pass
	1880	Outer Full	3.56	/	/	<=13	Pass



DFT-s-OFDM QPSK	1900	Outer Full	4.06	/	/	<=13	Pass
	1860	Outer Full	4.98	/	/	<=13	Pass
	1880	Outer Full	4.09	/	/	<=13	Pass
	1900	Outer Full	4.69	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1860	Outer Full	5.93	/	/	<=13	Pass
	1880	Outer Full	5.01	/	/	<=13	Pass
	1900	Outer Full	5.64	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1860	Outer Full	6.35	/	/	<=13	Pass
	1880	Outer Full	5.42	/	/	<=13	Pass
	1900	Outer Full	6.12	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1860	Outer Full	6.57	/	/	<=13	Pass
	1880	Outer Full	6.00	/	/	<=13	Pass
	1900	Outer Full	6.42	/	/	<=13	Pass
CP-OFDM QPSK	1860	Outer Full	7.67	/	/	<=13	Pass
	1880	Outer Full	6.31	/	/	<=13	Pass
	1900	Outer Full	7.22	/	/	<=13	Pass
CP-OFDM 16 QAM	1860	Outer Full	7.79	/	/	<=13	Pass
	1880	Outer Full	6.56	/	/	<=13	Pass
	1900	Outer Full	7.40	/	/	<=13	Pass
CP-OFDM 64 QAM	1860	Outer Full	8.13	/	/	<=13	Pass
	1880	Outer Full	7.03	/	/	<=13	Pass
	1900	Outer Full	7.78	/	/	<=13	Pass
CP-OFDM 256 QAM	1860	Outer Full	8.46	/	/	<=13	Pass
	1880	Outer Full	7.91	/	/	<=13	Pass
	1900	Outer Full	8.31	/	/	<=13	Pass

### 5.1.5 30k\_SISO\_10MHz\_NTNV

5G NR n2 SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1855	Outer Full	3.89	/	/	<=13	Pass
	1880	Outer Full	3.26	/	/	<=13	Pass
	1905	Outer Full	3.63	/	/	<=13	Pass
DFT-s-OFDM QPSK	1855	Outer Full	4.64	/	/	<=13	Pass
	1880	Outer Full	3.94	/	/	<=13	Pass
	1905	Outer Full	4.29	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1855	Outer Full	5.63	/	/	<=13	Pass
	1880	Outer Full	4.86	/	/	<=13	Pass
	1905	Outer Full	5.22	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1855	Outer Full	6.06	/	/	<=13	Pass
	1880	Outer Full	5.28	/	/	<=13	Pass
	1905	Outer Full	5.65	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1855	Outer Full	6.60	/	/	<=13	Pass
	1880	Outer Full	6.02	/	/	<=13	Pass
	1905	Outer Full	6.30	/	/	<=13	Pass
CP-OFDM QPSK	1855	Outer Full	7.12	/	/	<=13	Pass
	1880	Outer Full	6.03	/	/	<=13	Pass
	1905	Outer Full	6.43	/	/	<=13	Pass
CP-OFDM 16 QAM	1855	Outer Full	7.20	/	/	<=13	Pass
	1880	Outer Full	6.21	/	/	<=13	Pass
	1905	Outer Full	6.60	/	/	<=13	Pass
CP-OFDM 64 QAM	1855	Outer Full	7.55	/	/	<=13	Pass
	1880	Outer Full	6.67	/	/	<=13	Pass
	1905	Outer Full	7.06	/	/	<=13	Pass
CP-OFDM 256 QAM	1855	Outer Full	8.25	/	/	<=13	Pass
	1880	Outer Full	7.73	/	/	<=13	Pass

	1905	Outer Full	8.00	/	/	<=13	Pass
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### 5.1.6 30k\_SISO\_15MHz\_NTNV

5G NR n2 SCS=30kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1857.5	Outer Full	3.94	/	/	<=13	Pass
	1880	Outer Full	3.28	/	/	<=13	Pass
	1902.5	Outer Full	3.77	/	/	<=13	Pass
DFT-s-OFDM QPSK	1857.5	Outer Full	4.87	/	/	<=13	Pass
	1880	Outer Full	3.80	/	/	<=13	Pass
	1902.5	Outer Full	4.18	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1857.5	Outer Full	5.75	/	/	<=13	Pass
	1880	Outer Full	4.70	/	/	<=13	Pass
	1902.5	Outer Full	5.04	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1857.5	Outer Full	6.26	/	/	<=13	Pass
	1880	Outer Full	5.27	/	/	<=13	Pass
	1902.5	Outer Full	5.63	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1857.5	Outer Full	6.52	/	/	<=13	Pass
	1880	Outer Full	5.92	/	/	<=13	Pass
	1902.5	Outer Full	6.15	/	/	<=13	Pass
CP-OFDM QPSK	1857.5	Outer Full	7.37	/	/	<=13	Pass
	1880	Outer Full	5.95	/	/	<=13	Pass
	1902.5	Outer Full	6.39	/	/	<=13	Pass
CP-OFDM 16 QAM	1857.5	Outer Full	7.59	/	/	<=13	Pass
	1880	Outer Full	6.27	/	/	<=13	Pass
	1902.5	Outer Full	6.73	/	/	<=13	Pass
CP-OFDM 64 QAM	1857.5	Outer Full	7.87	/	/	<=13	Pass
	1880	Outer Full	6.75	/	/	<=13	Pass
	1902.5	Outer Full	7.11	/	/	<=13	Pass
CP-OFDM 256 QAM	1857.5	Outer Full	8.56	/	/	<=13	Pass
	1880	Outer Full	7.96	/	/	<=13	Pass
	1902.5	Outer Full	8.12	/	/	<=13	Pass

### 5.1.7 30k\_SISO\_20MHz\_NTNV

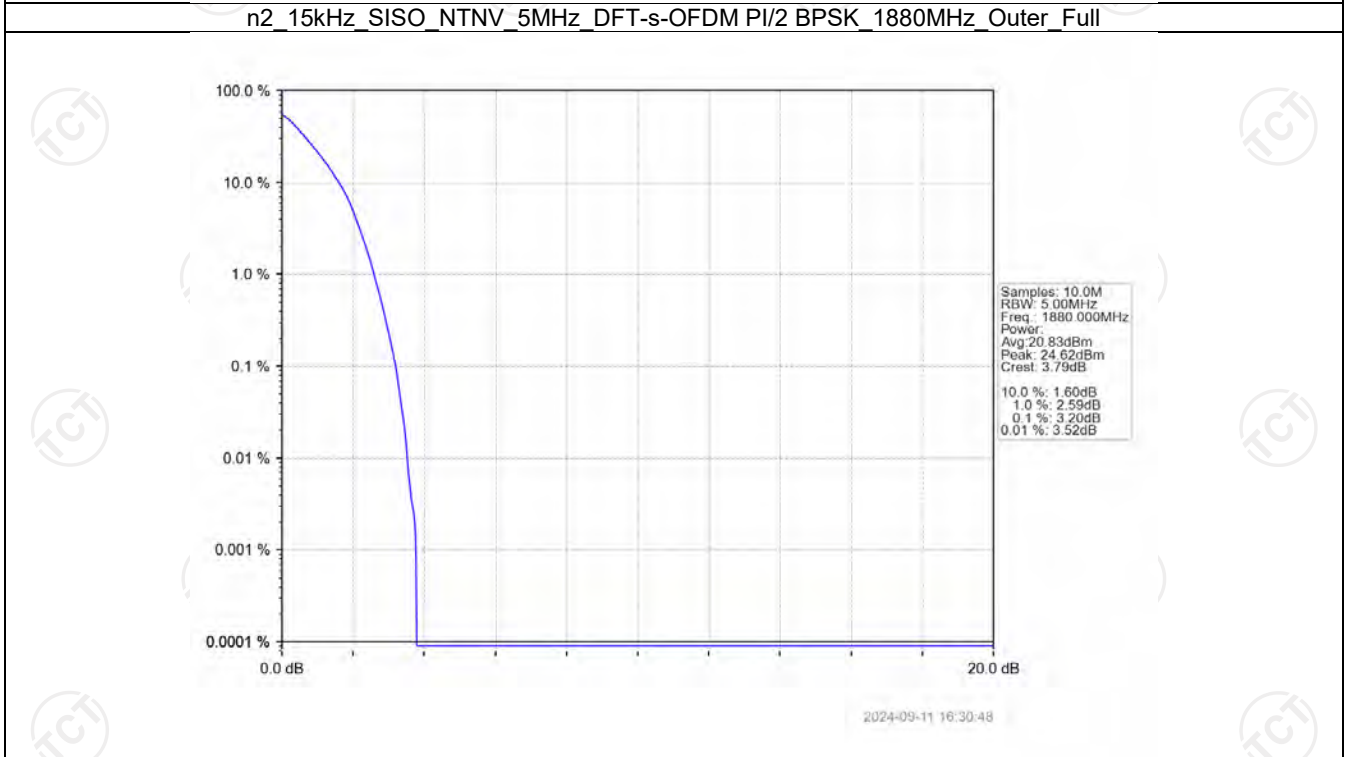
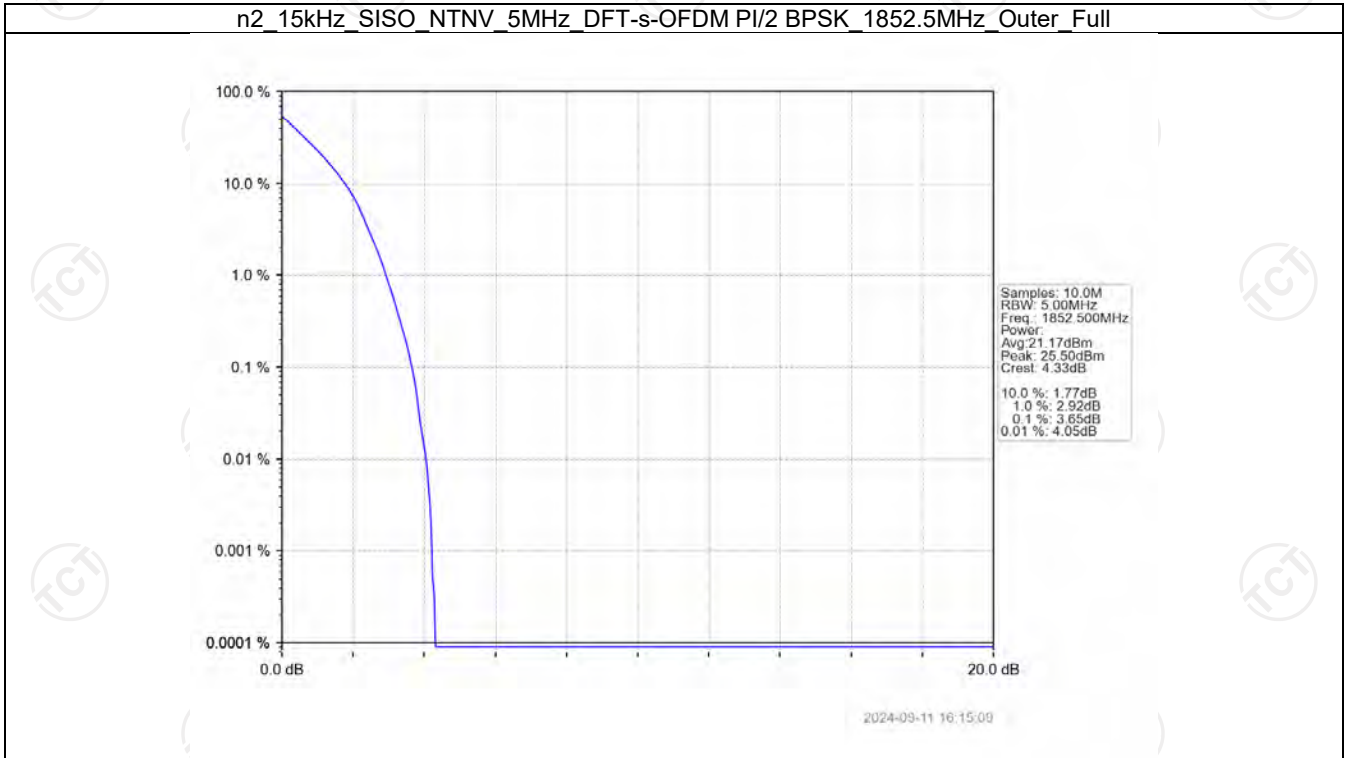
5G NR n2 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1860	Outer Full	4.15	/	/	<=13	Pass
	1880	Outer Full	3.72	/	/	<=13	Pass
	1900	Outer Full	4.07	/	/	<=13	Pass
DFT-s-OFDM QPSK	1860	Outer Full	4.99	/	/	<=13	Pass
	1880	Outer Full	4.27	/	/	<=13	Pass
	1900	Outer Full	4.68	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1860	Outer Full	5.95	/	/	<=13	Pass
	1880	Outer Full	5.19	/	/	<=13	Pass
	1900	Outer Full	5.63	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1860	Outer Full	6.31	/	/	<=13	Pass
	1880	Outer Full	5.57	/	/	<=13	Pass
	1900	Outer Full	6.00	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1860	Outer Full	6.60	/	/	<=13	Pass
	1880	Outer Full	6.07	/	/	<=13	Pass
	1900	Outer Full	6.35	/	/	<=13	Pass
CP-OFDM QPSK	1860	Outer Full	7.64	/	/	<=13	Pass

	1880	Outer Full	6.44	/	/	<=13	Pass
	1900	Outer Full	7.12	/	/	<=13	Pass
CP-OFDM 16 QAM	1860	Outer Full	7.80	/	/	<=13	Pass
	1880	Outer Full	6.65	/	/	<=13	Pass
	1900	Outer Full	7.28	/	/	<=13	Pass
CP-OFDM 64 QAM	1860	Outer Full	8.05	/	/	<=13	Pass
	1880	Outer Full	7.04	/	/	<=13	Pass
	1900	Outer Full	7.55	/	/	<=13	Pass
CP-OFDM 256 QAM	1860	Outer Full	8.72	/	/	<=13	Pass
	1880	Outer Full	8.15	/	/	<=13	Pass
	1900	Outer Full	8.41	/	/	<=13	Pass

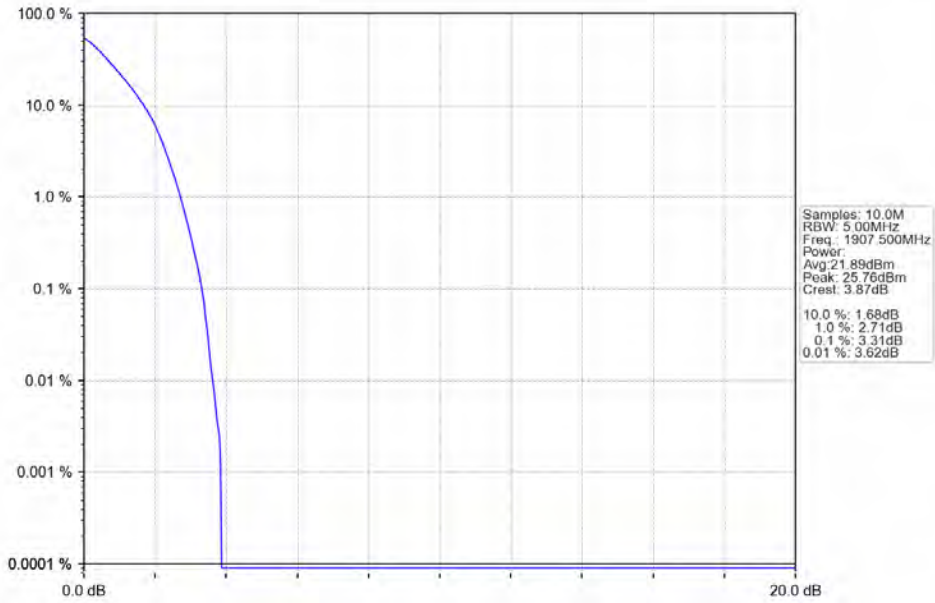


5.2 Test Graph

5.2.1 15k\_SISO\_5MHz\_NTNV

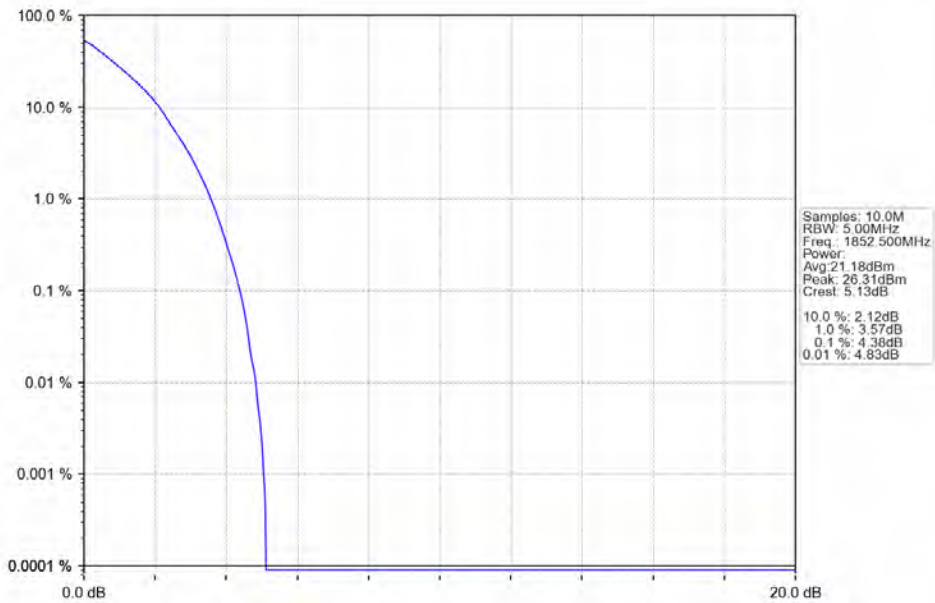


n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1907.5MHz Outer Full



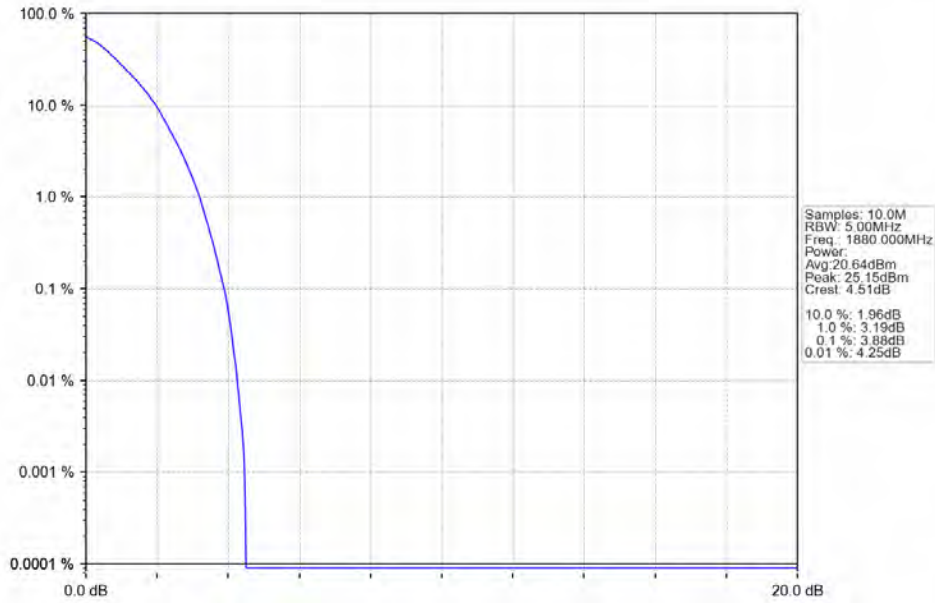
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n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1852.5MHz Outer Full



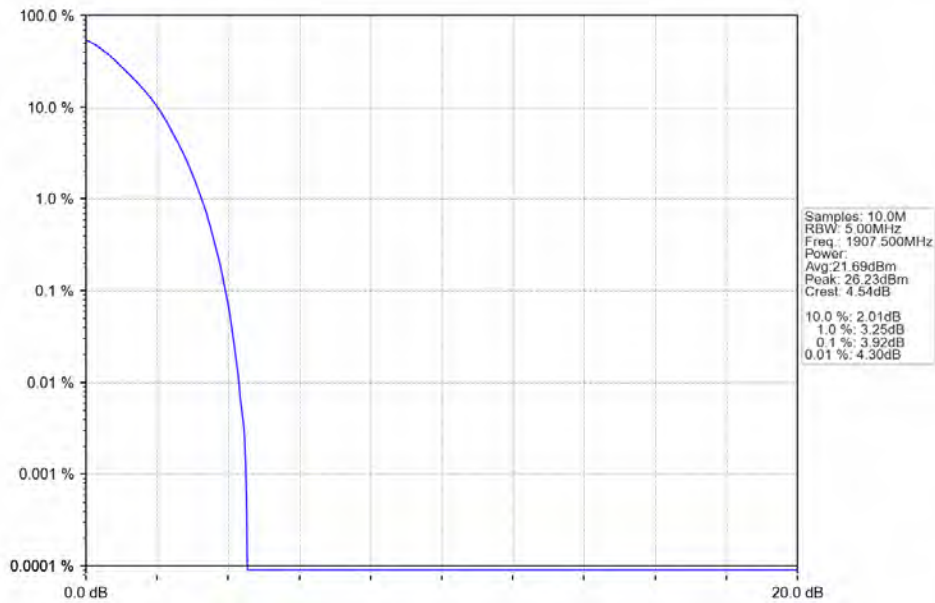
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n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1880MHz Outer Full



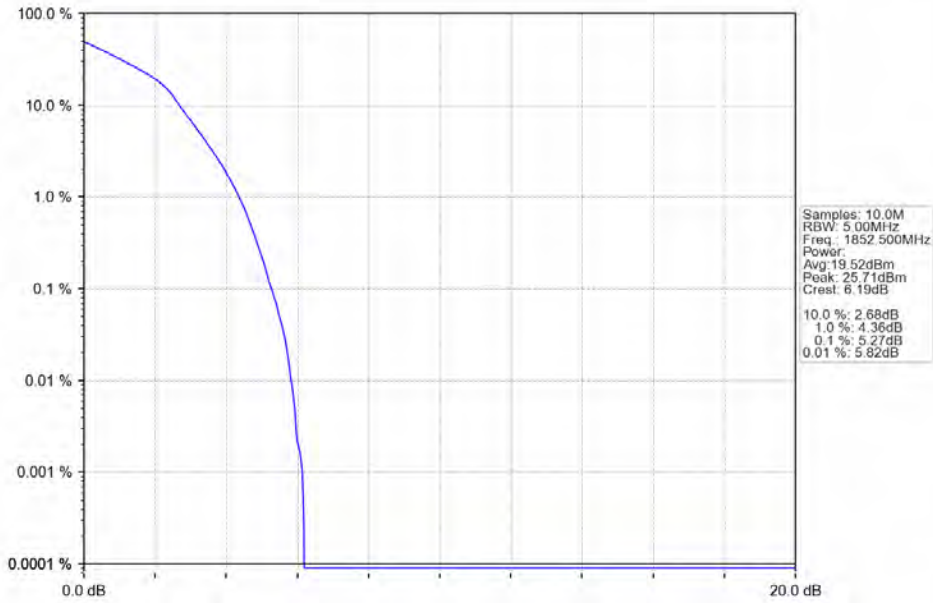
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n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1907.5MHz Outer Full



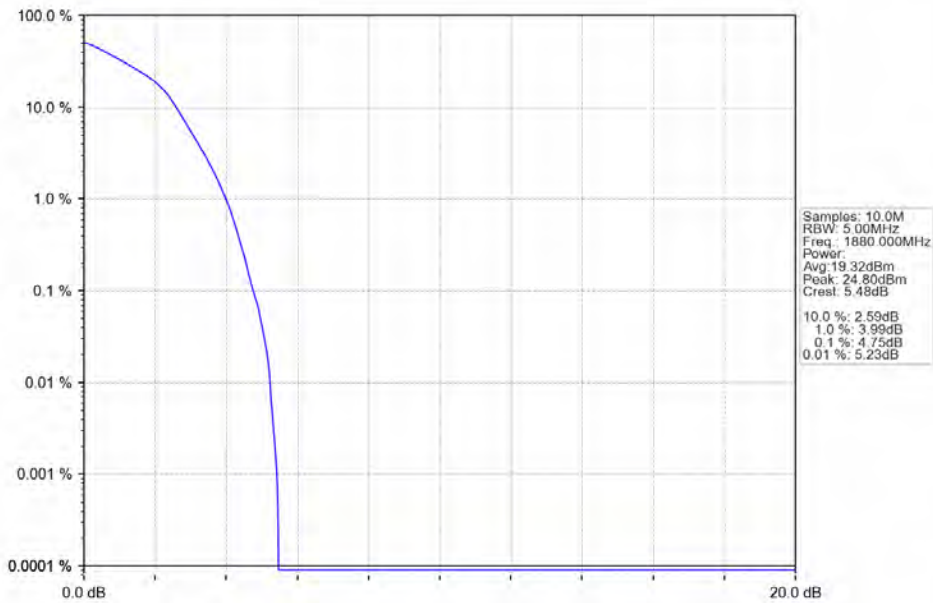
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n2 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 1852.5MHz Outer Full



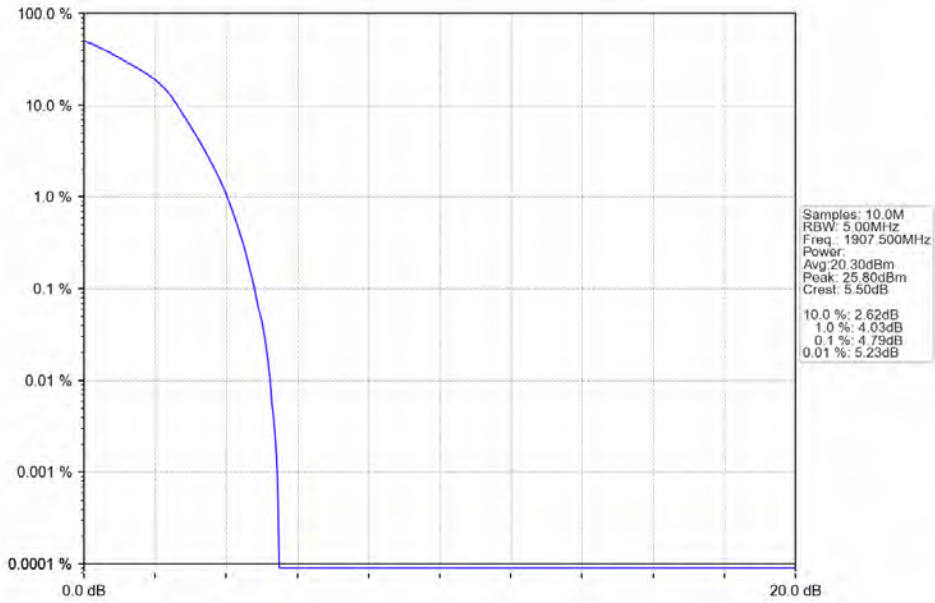
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n2 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 1880MHz Outer Full



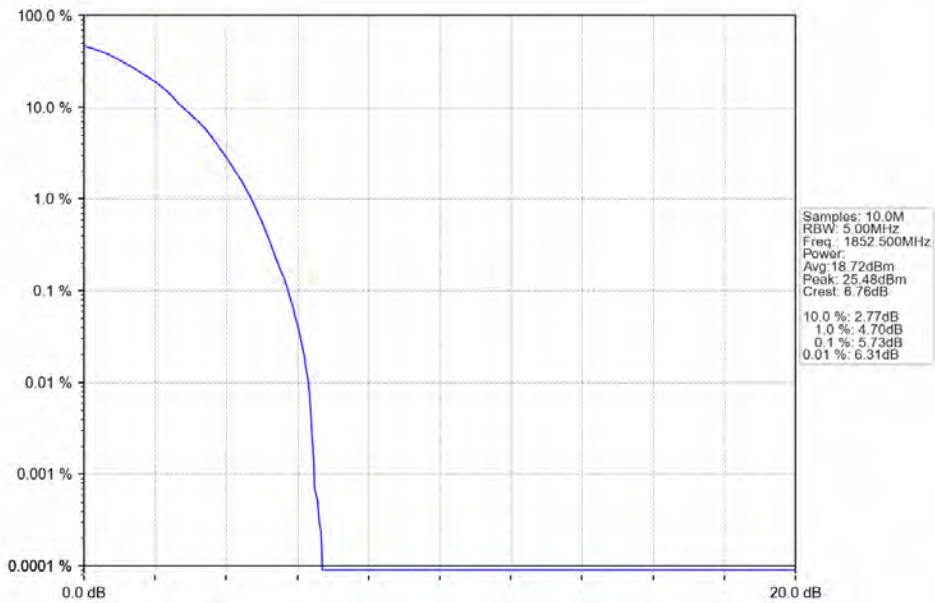
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2024-09-11 16:51:41

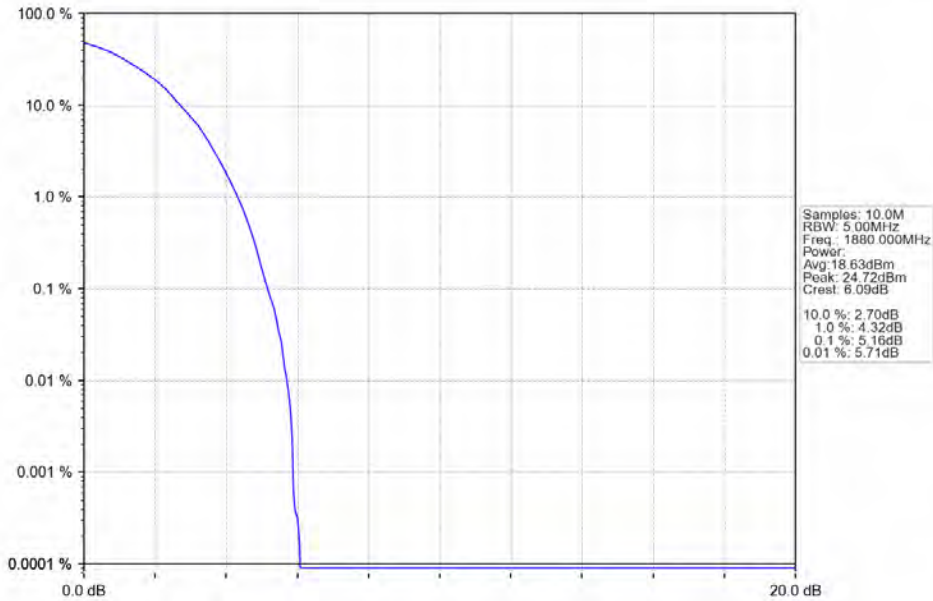
n2 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 1852.5MHz Outer Full



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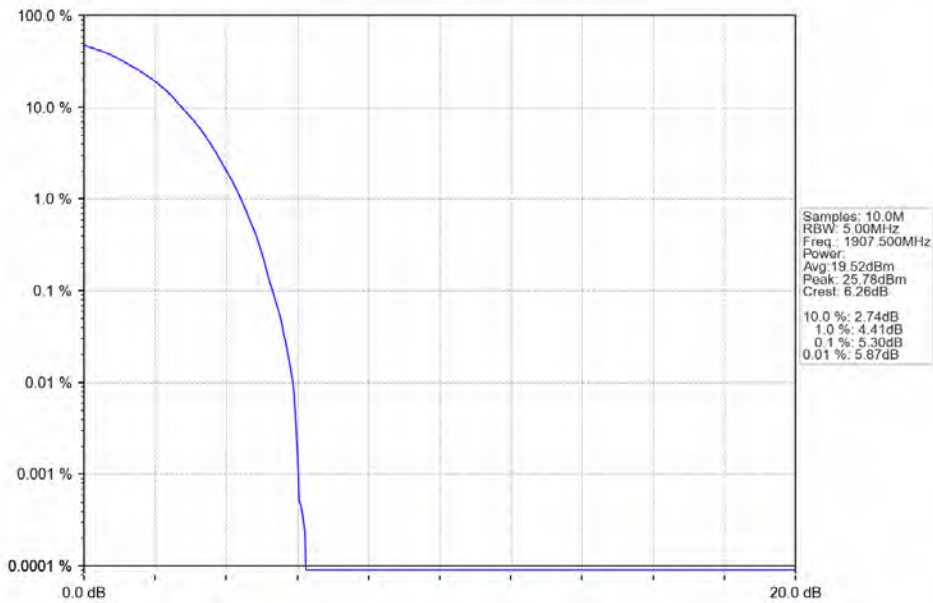


n2 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 1880MHz Outer Full



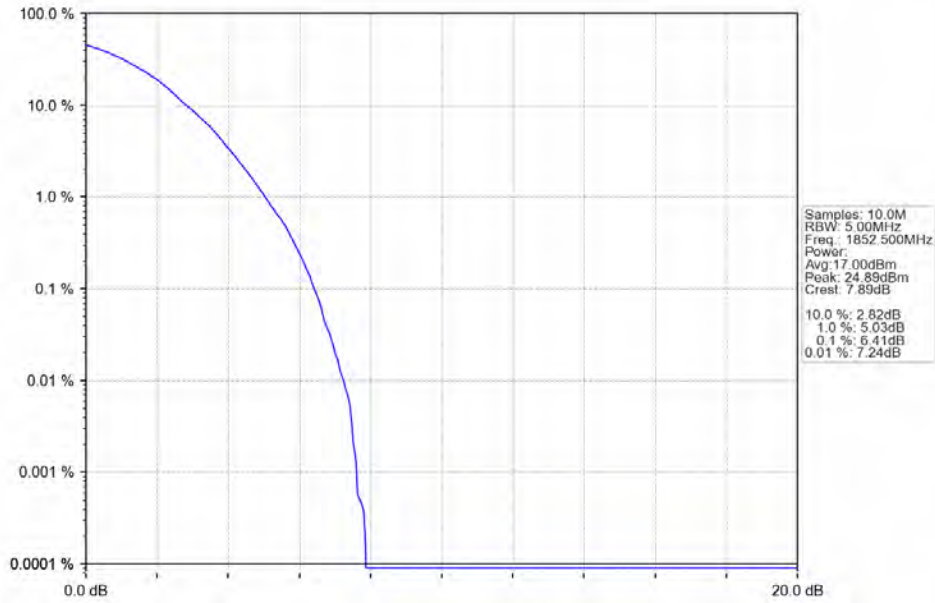
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n2 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 1907.5MHz Outer Full



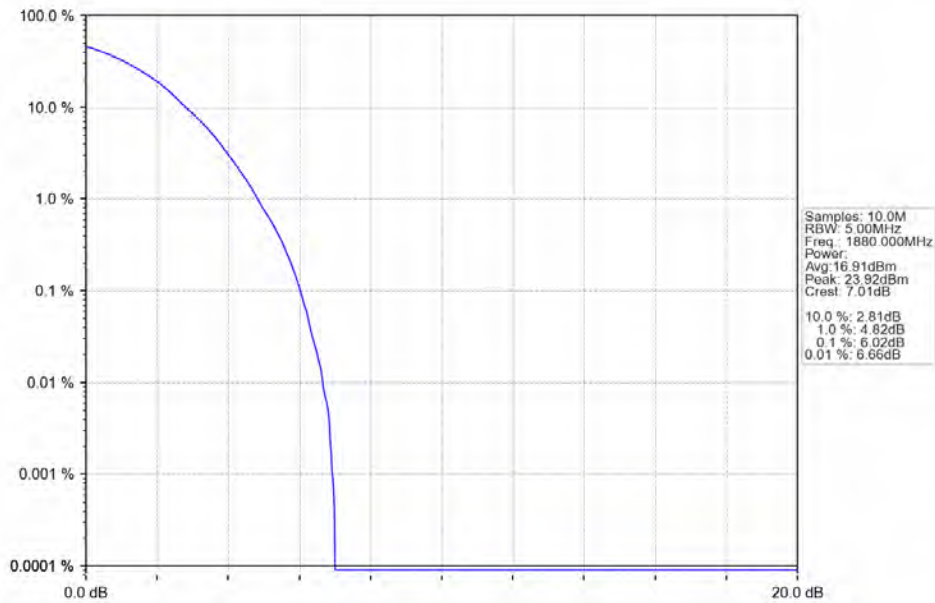
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n2 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 1852.5MHz Outer Full



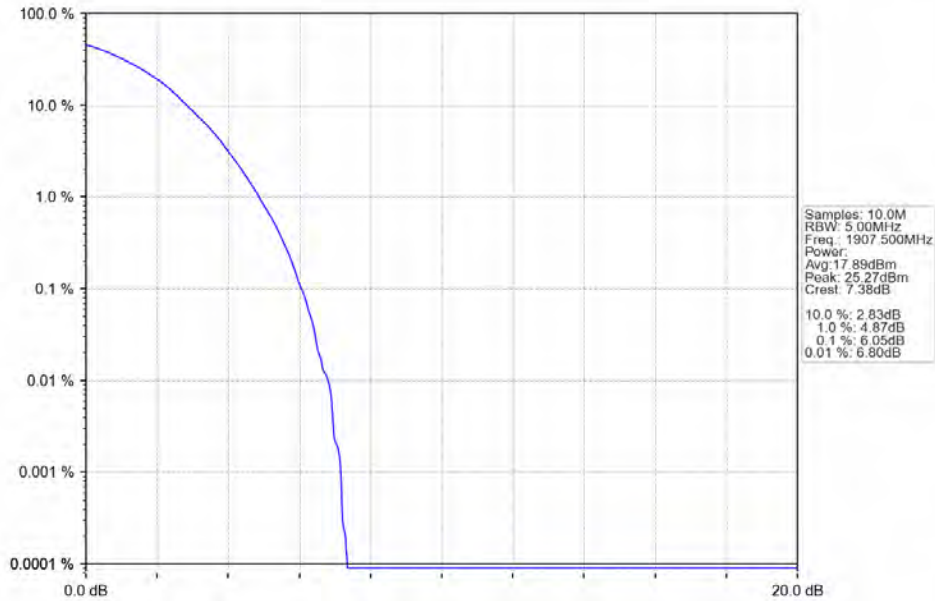
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n2 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 1880MHz Outer Full



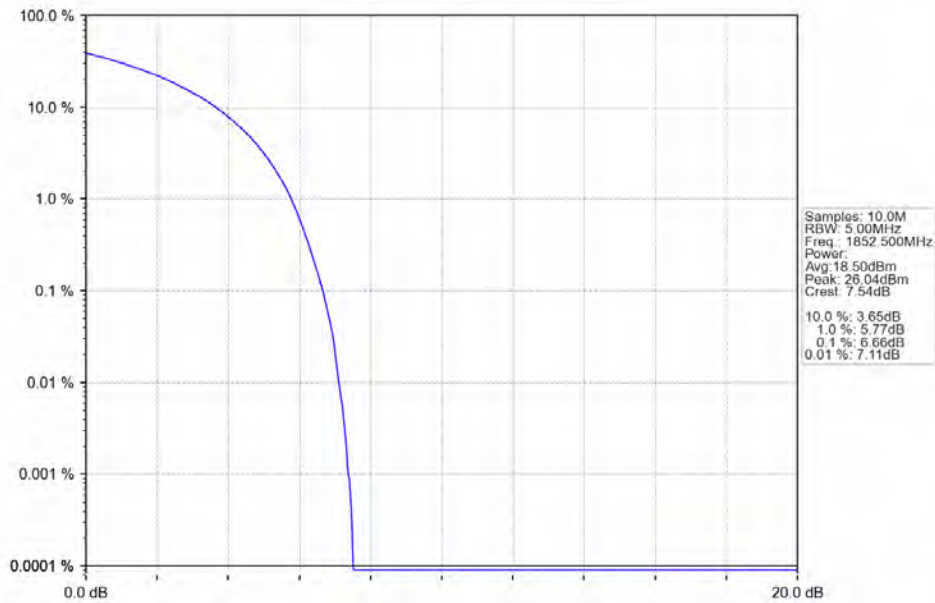
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n2 15kHz SISO NTV 5MHz DFT-s-OFDM 256 QAM 1907.5MHz Outer Full



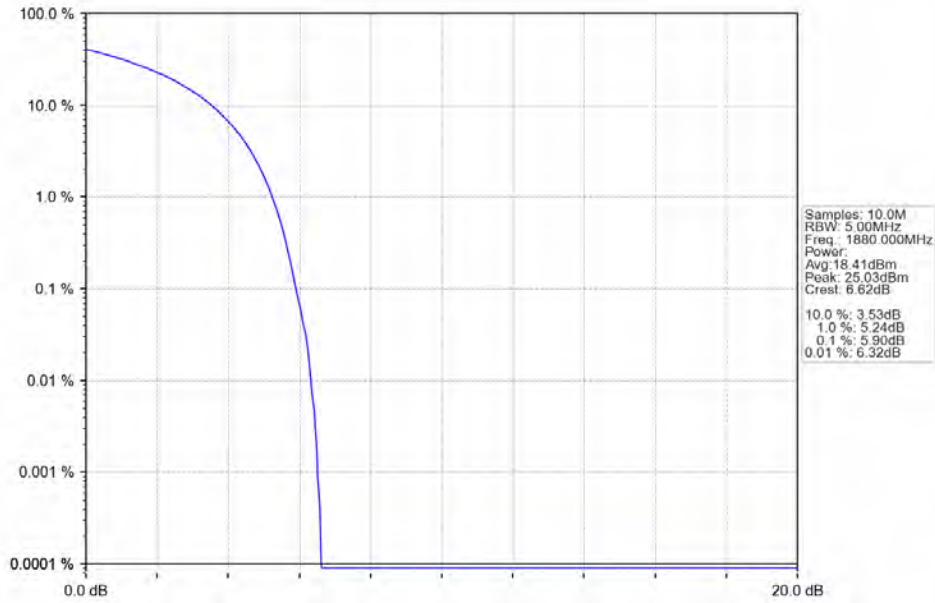
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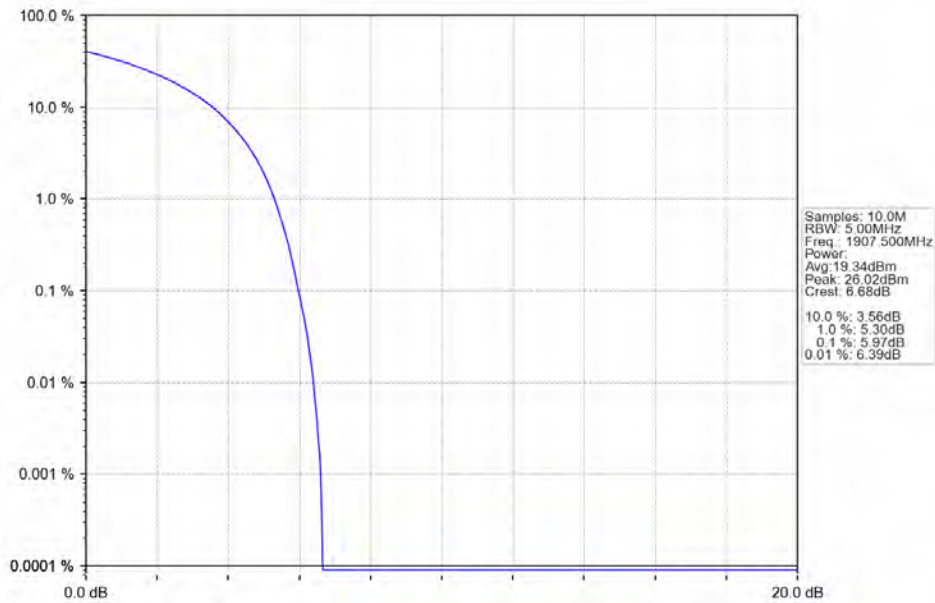
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n2 15kHz SISO NTN 5MHz CP-OFDM QPSK 1880MHz Outer Full



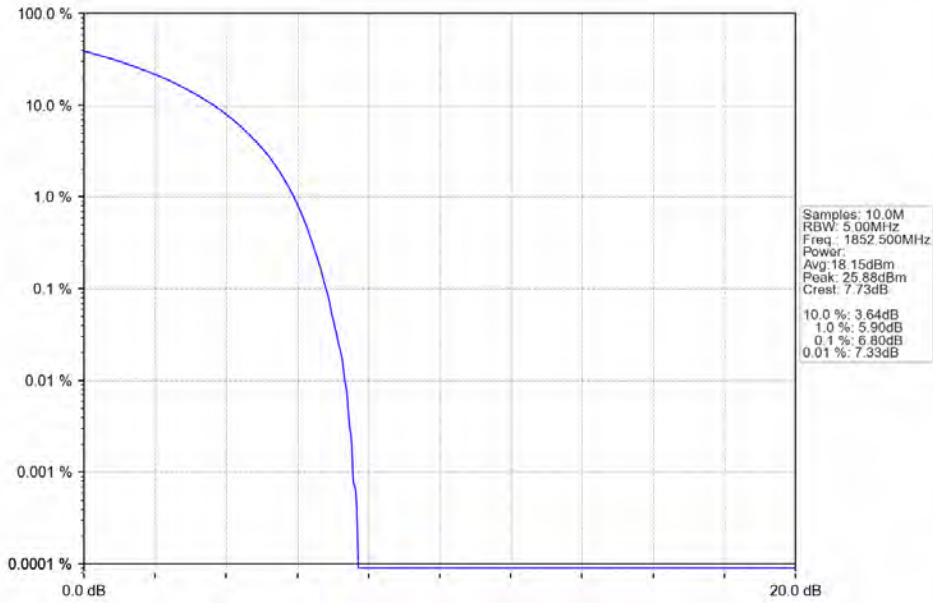
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n2 15kHz SISO NTN 5MHz CP-OFDM QPSK 1907.5MHz Outer Full



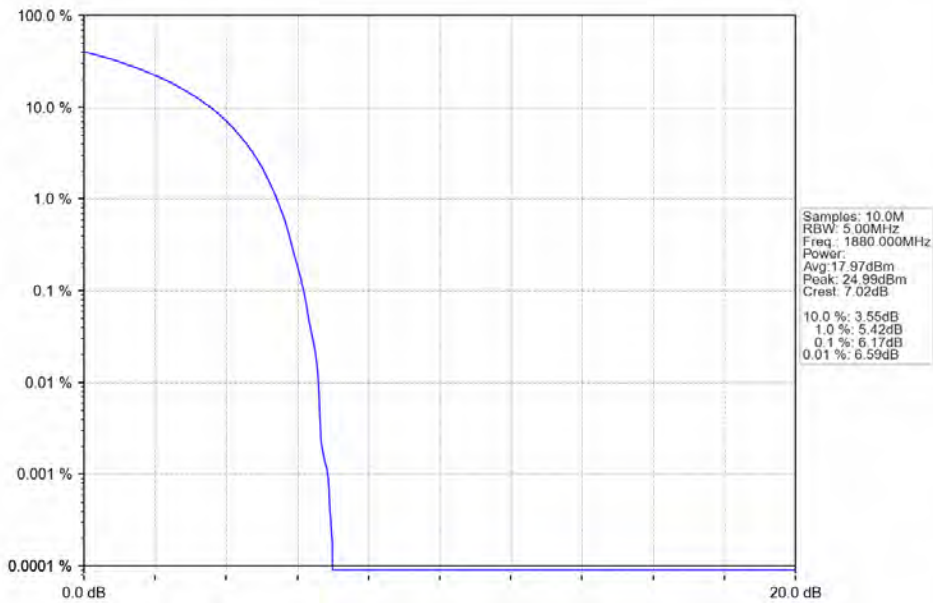
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n2 15kHz SISO NTV 5MHz CP-OFDM 16 QAM 1852.5MHz Outer Full



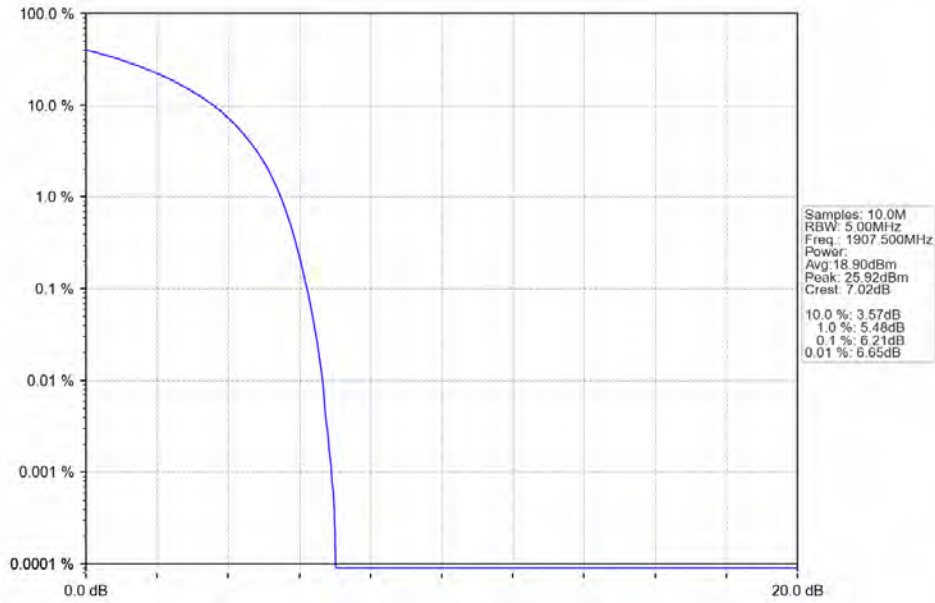
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n2 15kHz SISO NTV 5MHz CP-OFDM 16 QAM 1880MHz Outer Full



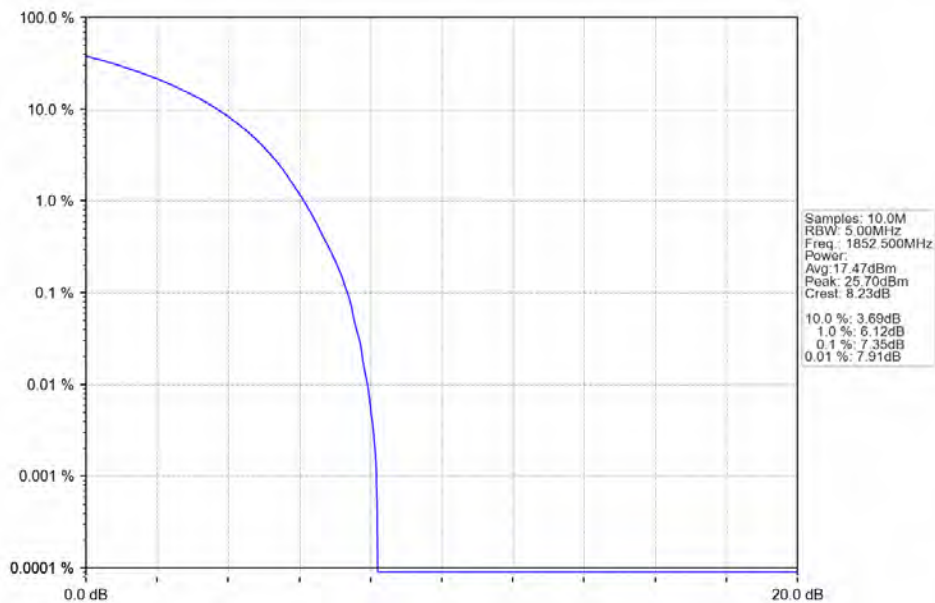
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n2 15kHz SISO NTV 5MHz CP-OFDM 16 QAM 1907.5MHz Outer Full



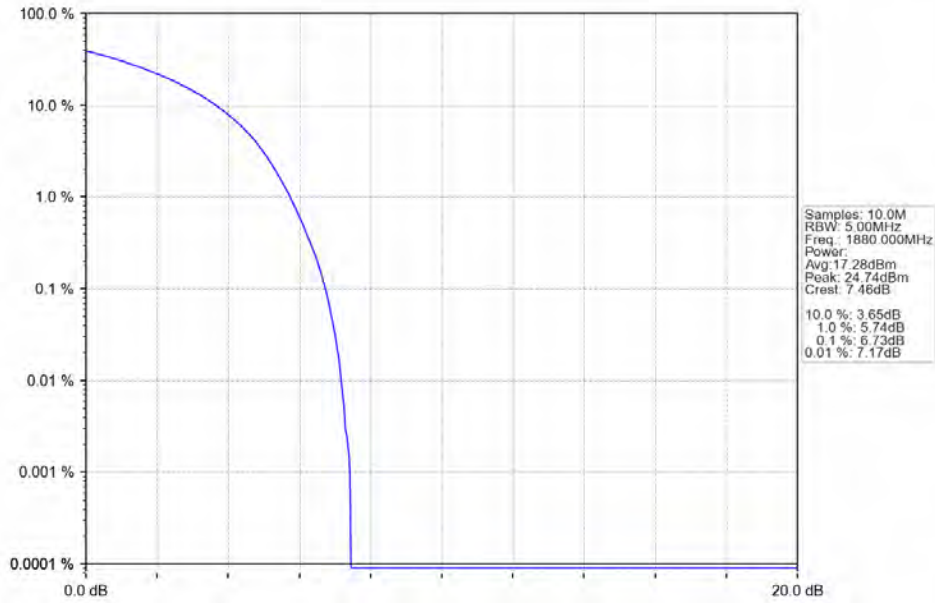
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n2 15kHz SISO NTV 5MHz CP-OFDM 64 QAM 1852.5MHz Outer Full



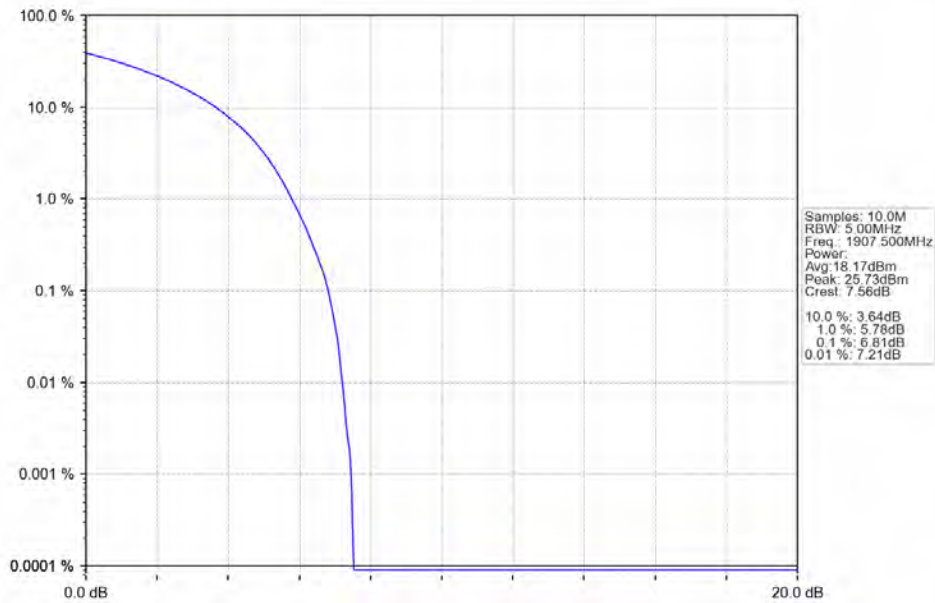
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n2 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 1880MHz Outer Full



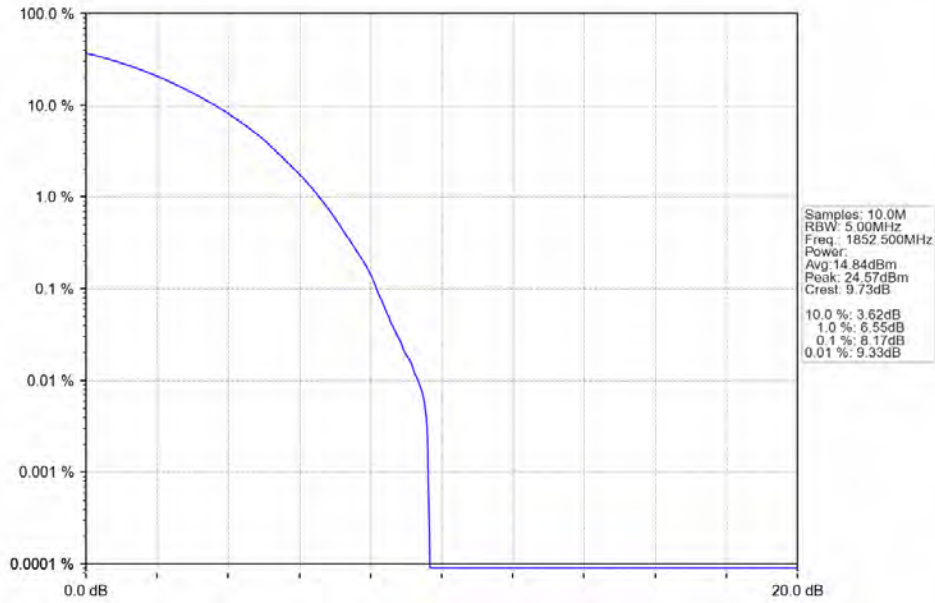
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n2 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 1907.5MHz Outer Full



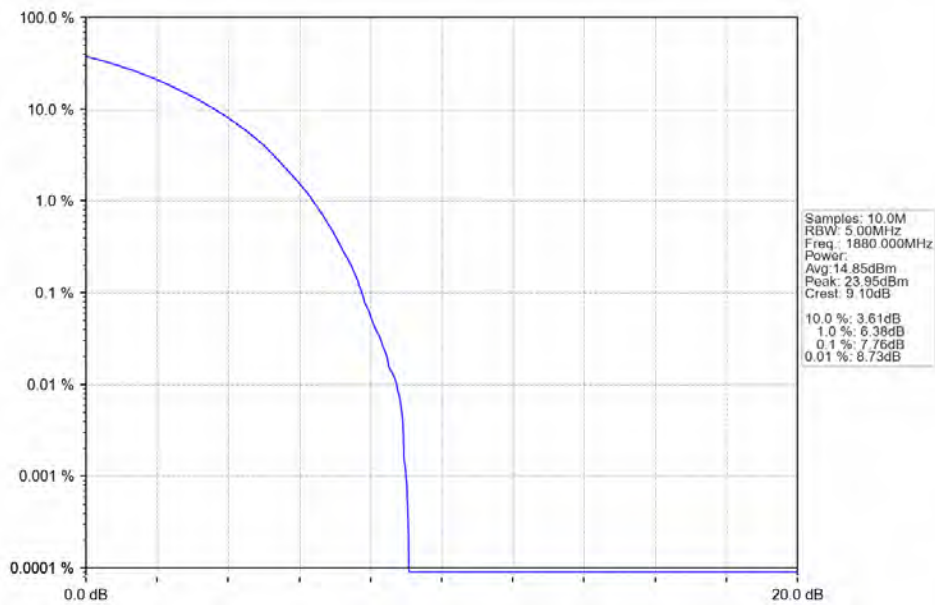
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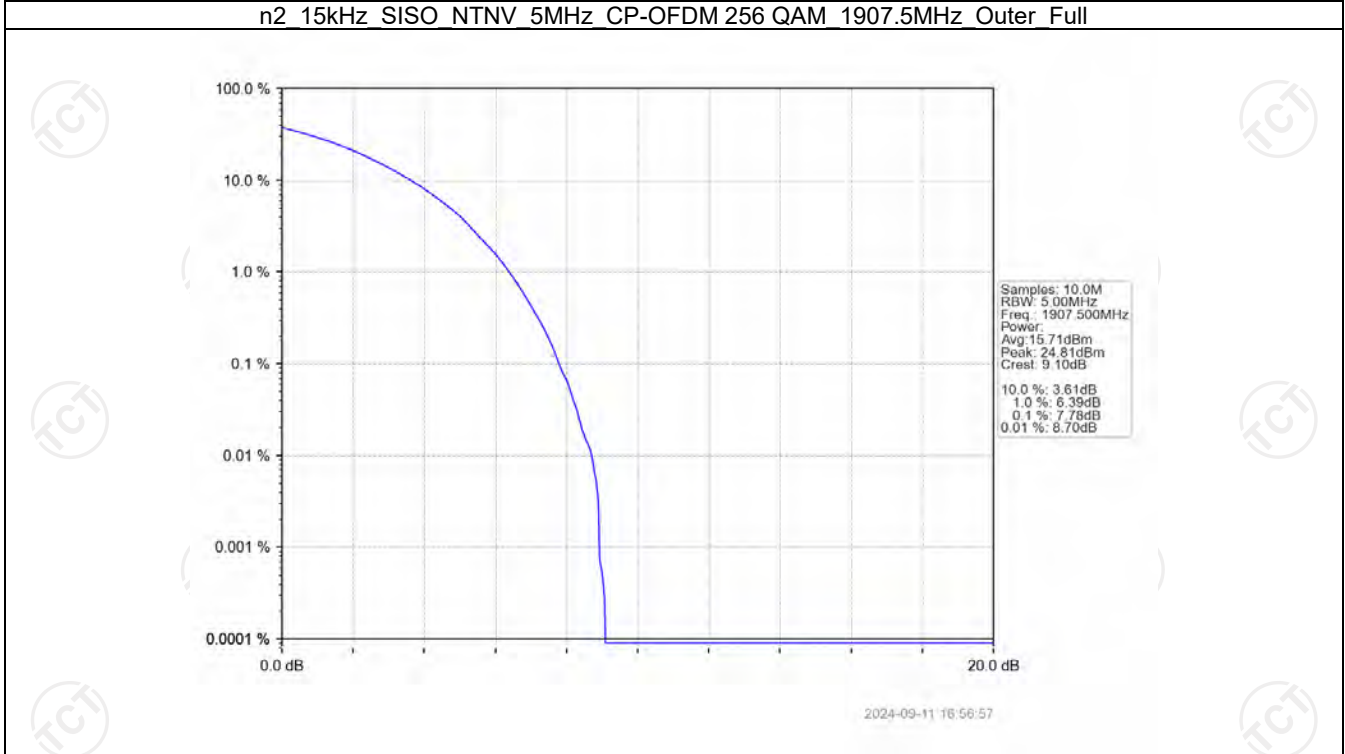
n2 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 1880MHz Outer Full



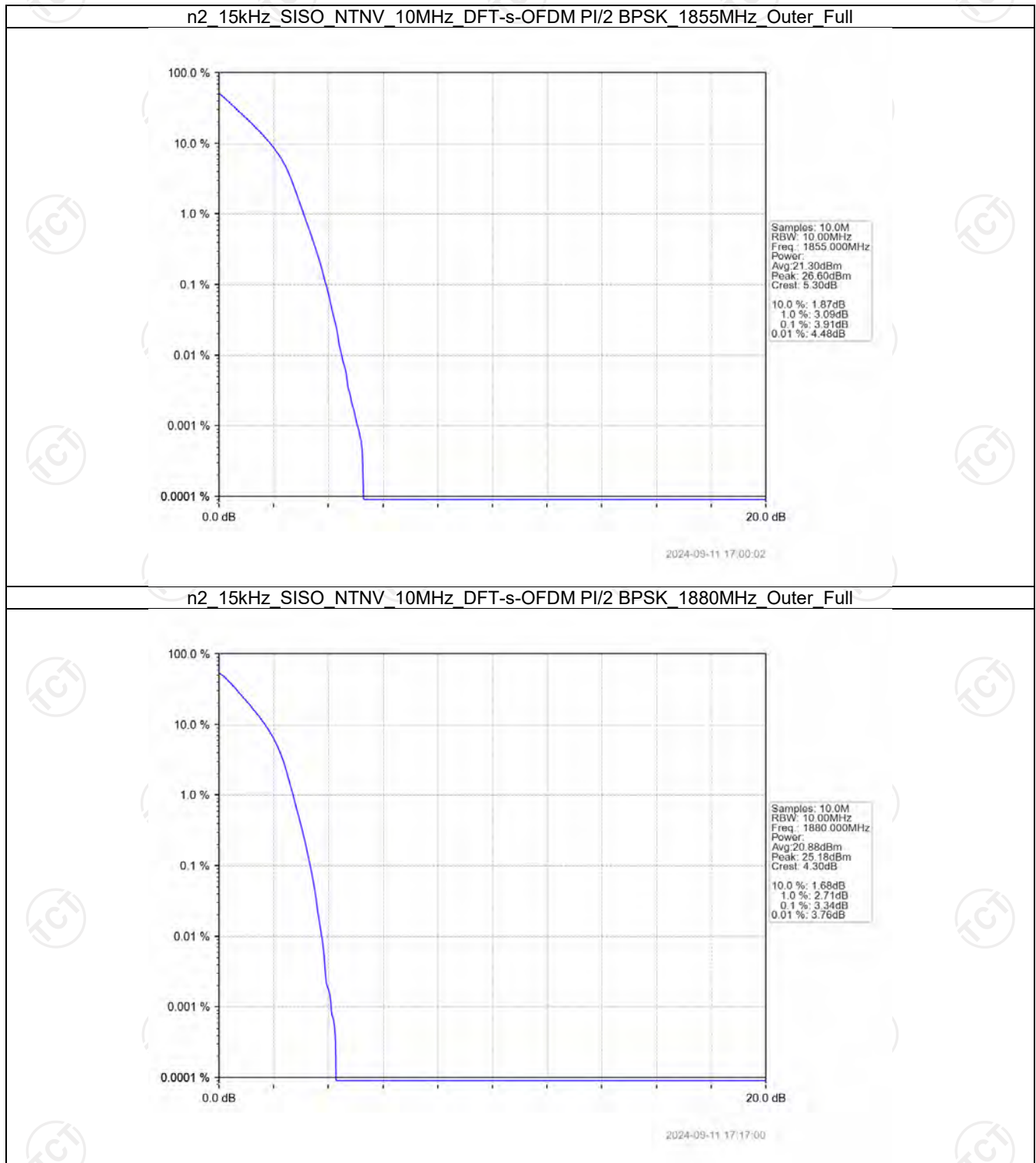
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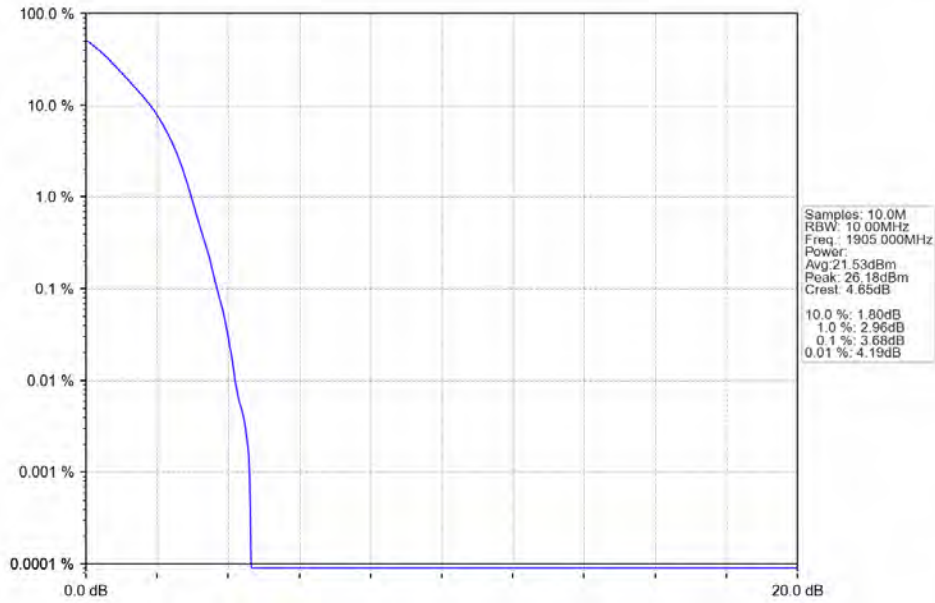
n2 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 1907.5MHz Outer Full



5.2.2 15k\_SISO\_10MHz\_NTNV

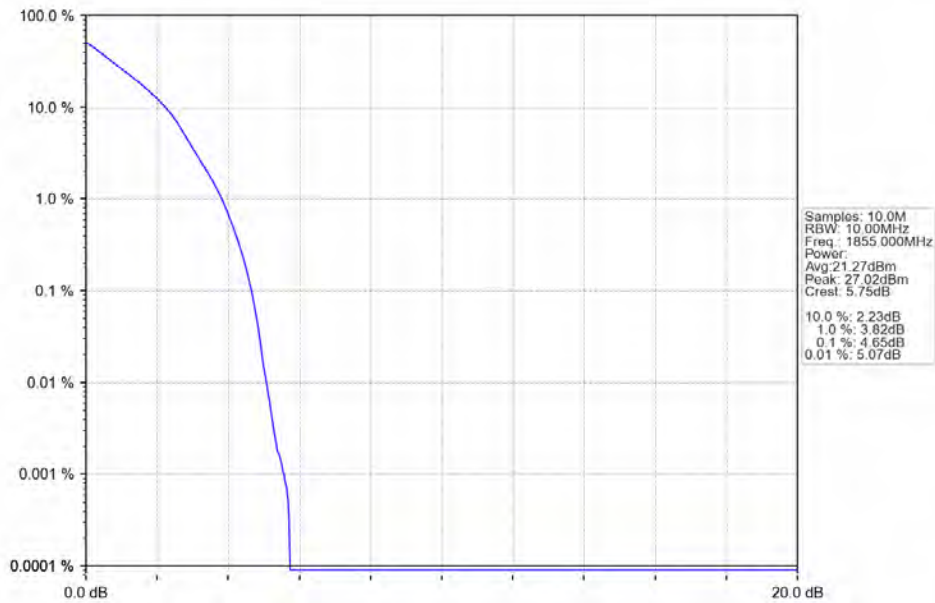


n2 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 1905MHz Outer Full



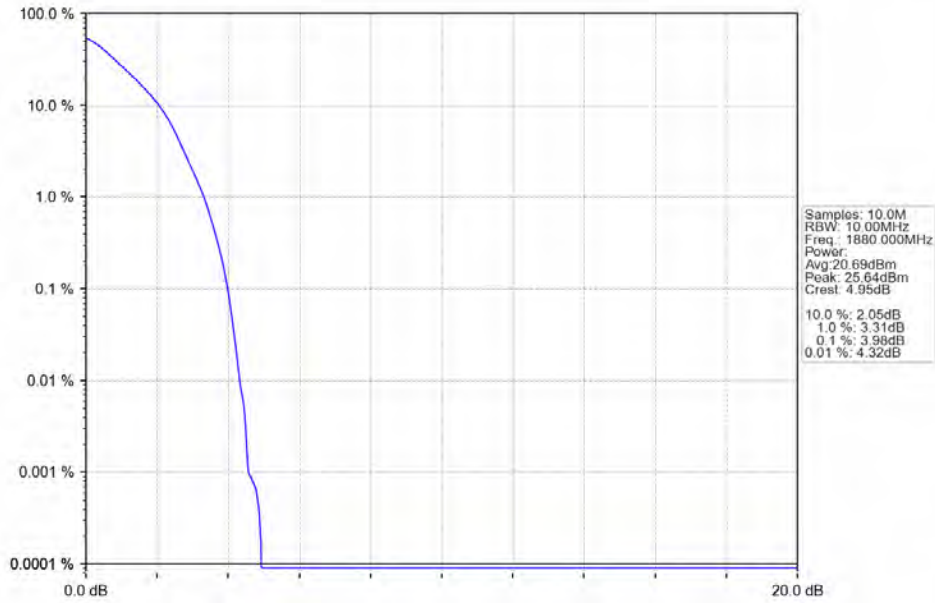
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n2 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 1855MHz Outer Full



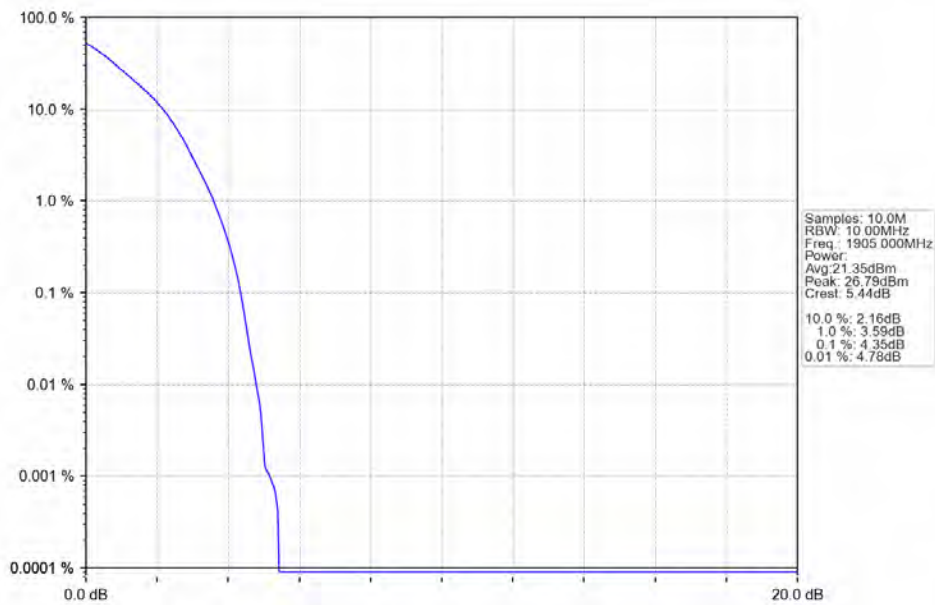
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n2 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 1880MHz Outer Full



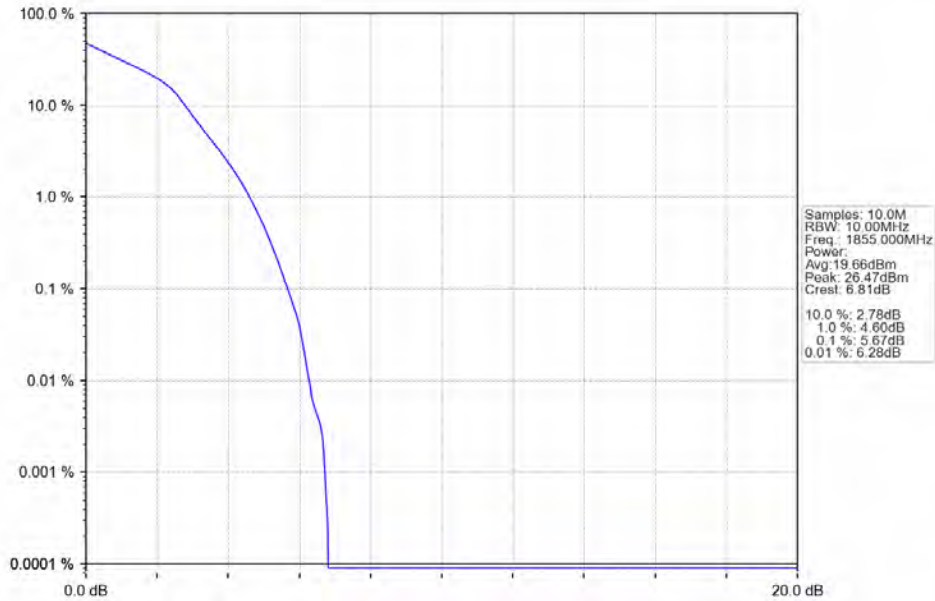
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n2 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 1905MHz Outer Full



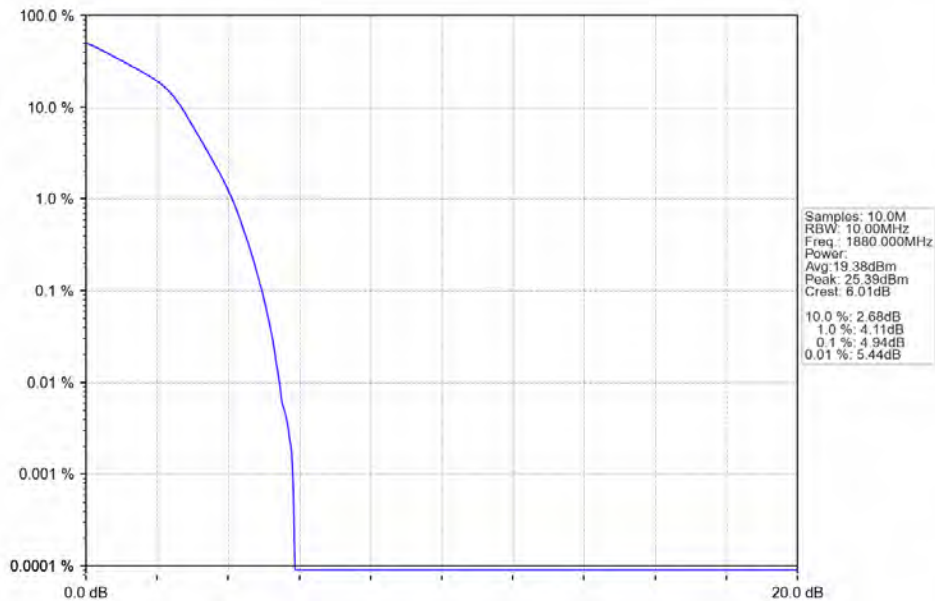
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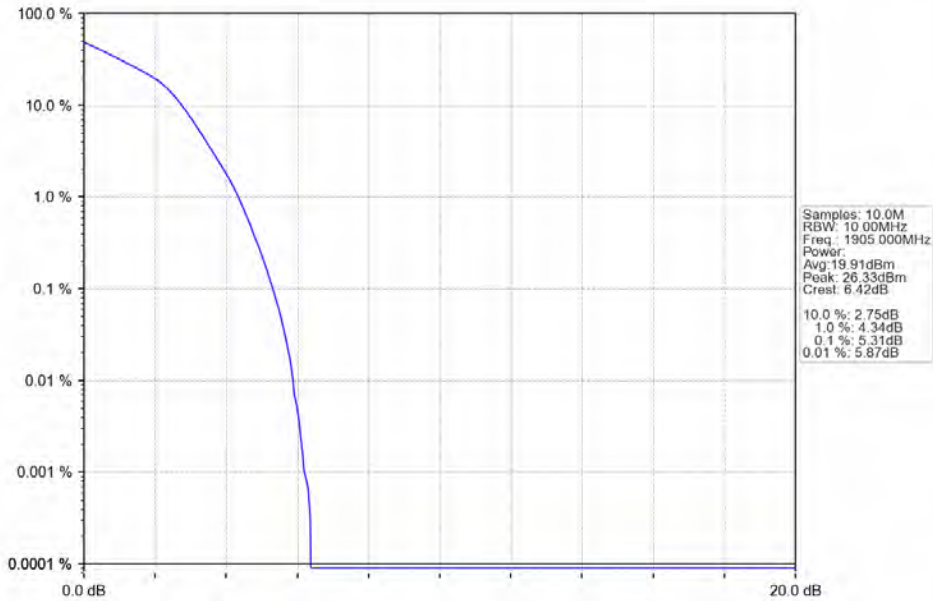
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n2 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 1880MHz Outer Full



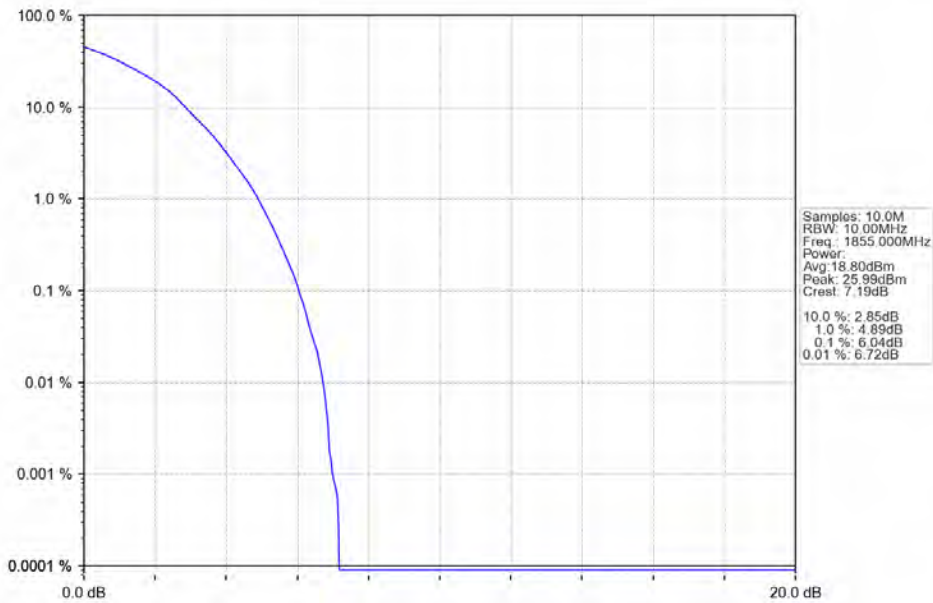
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n2 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 1905MHz Outer Full



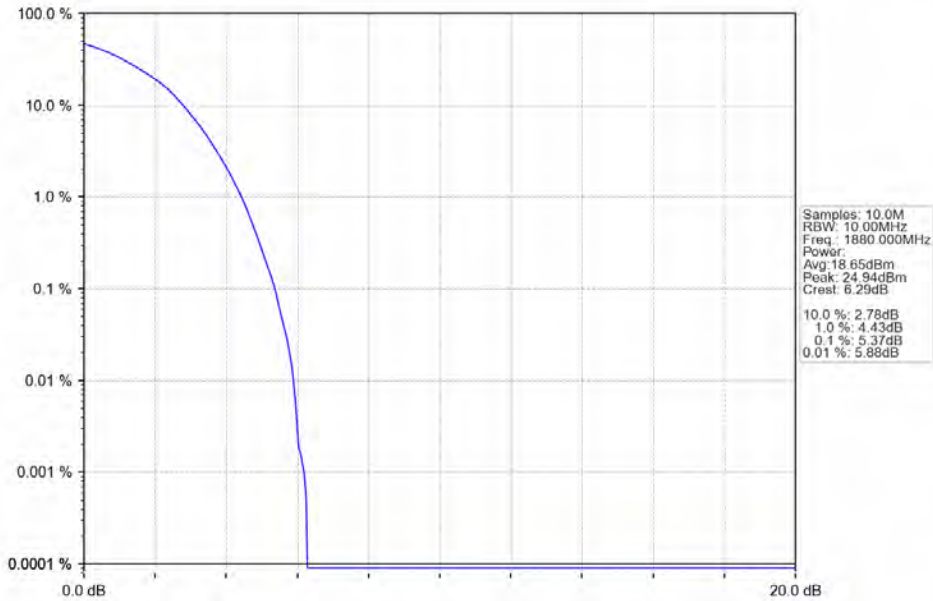
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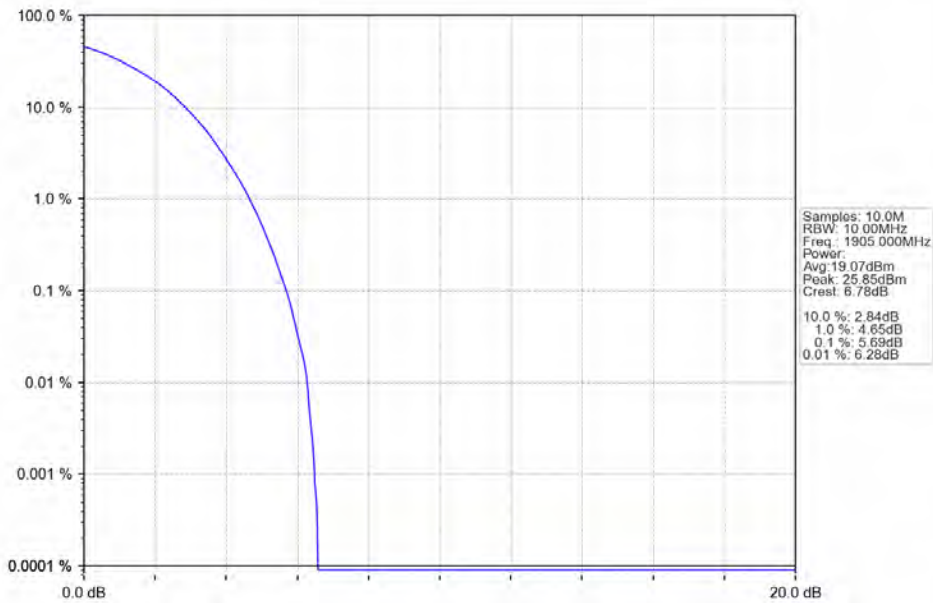
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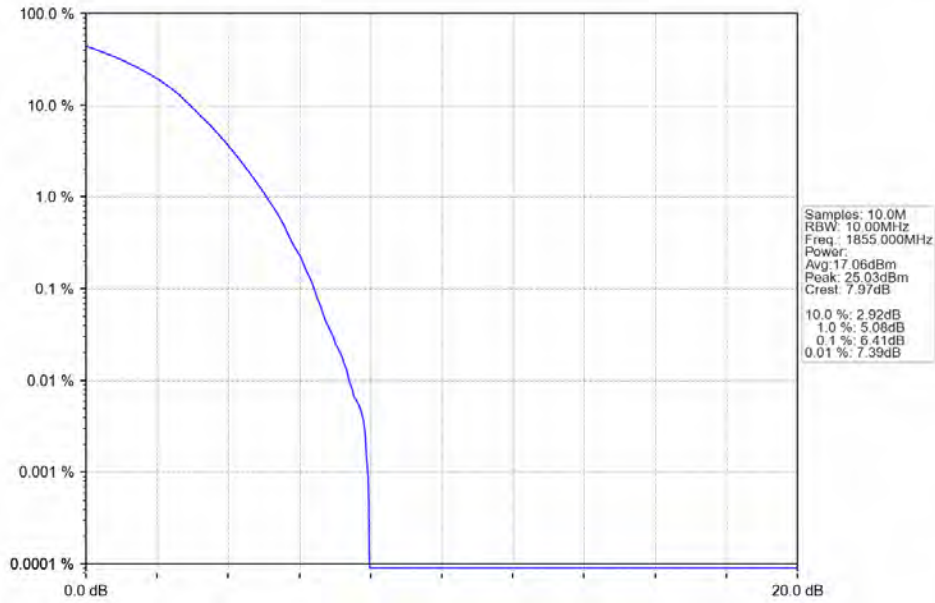
2024-09-11 17:22:07

n2 15kHz SISO NTNv 10MHz DFT-s-OFDM 64 QAM 1905MHz Outer Full



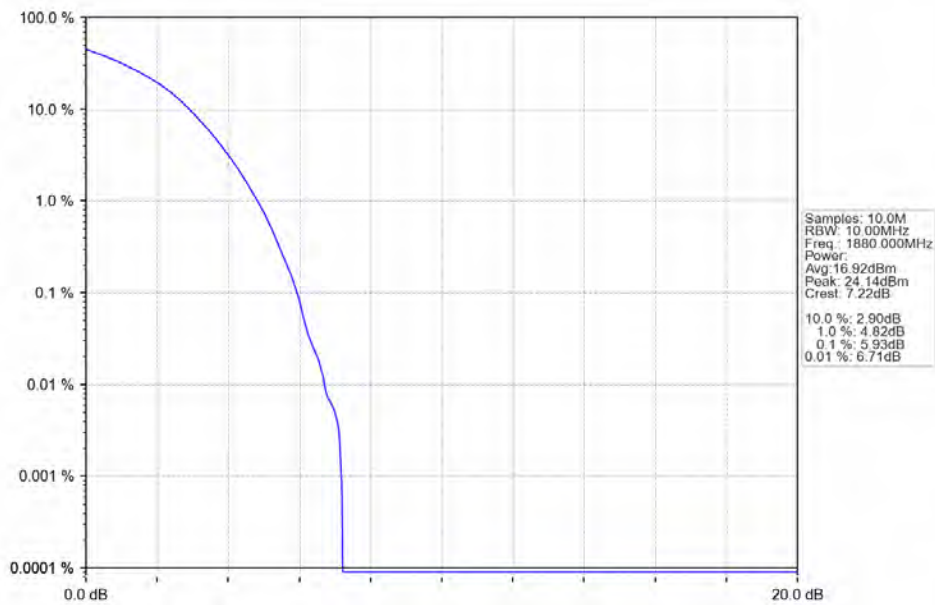
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n2 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 1855MHz Outer Full



2024-09-11 17:07:55

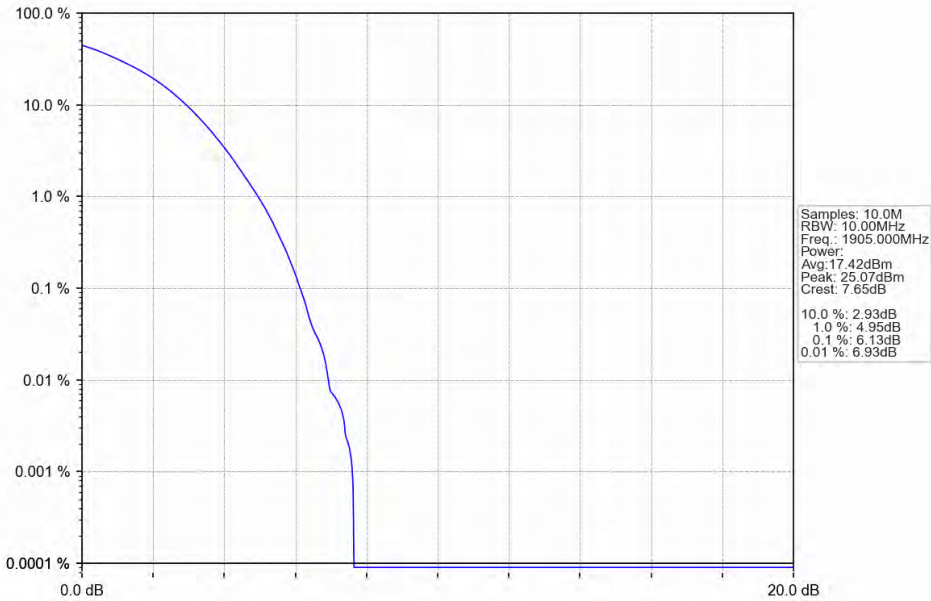
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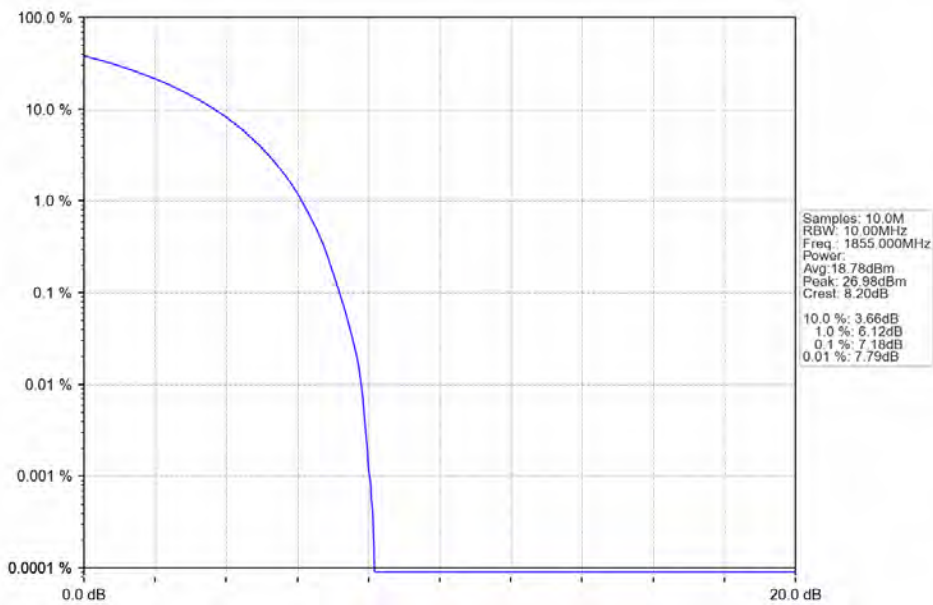


n2 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 1905MHz Outer Full



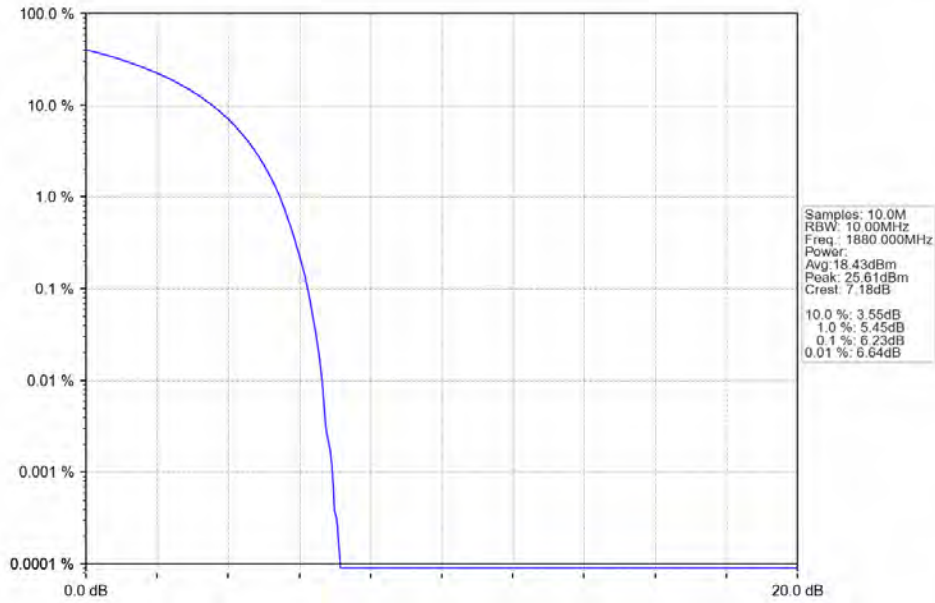
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n2 15kHz SISO NTN 10MHz CP-OFDM QPSK 1855MHz Outer Full



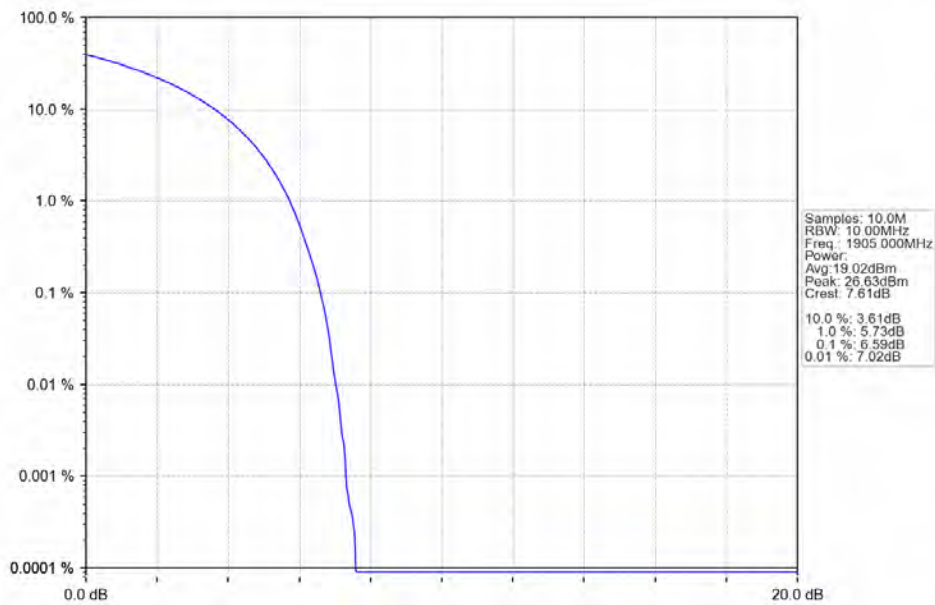
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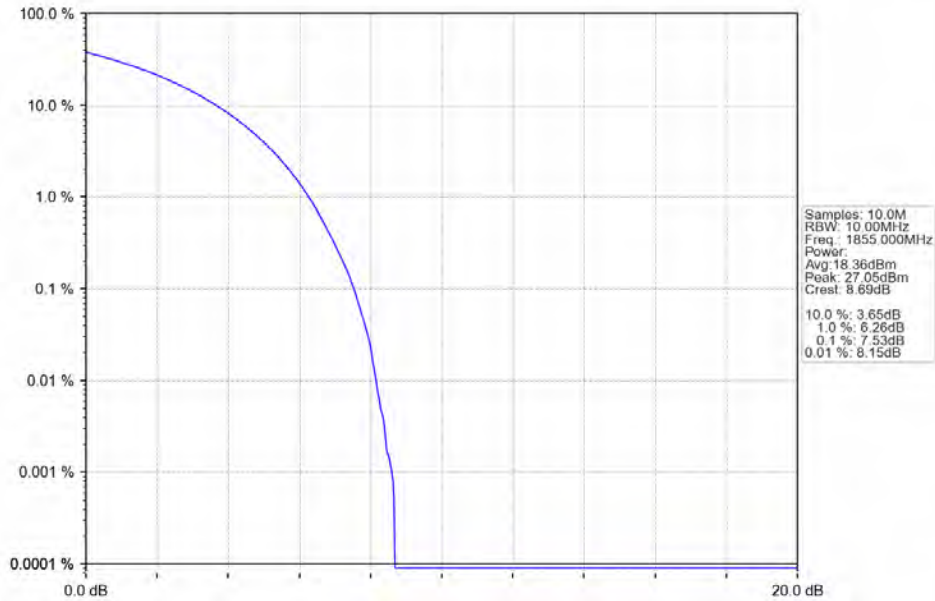
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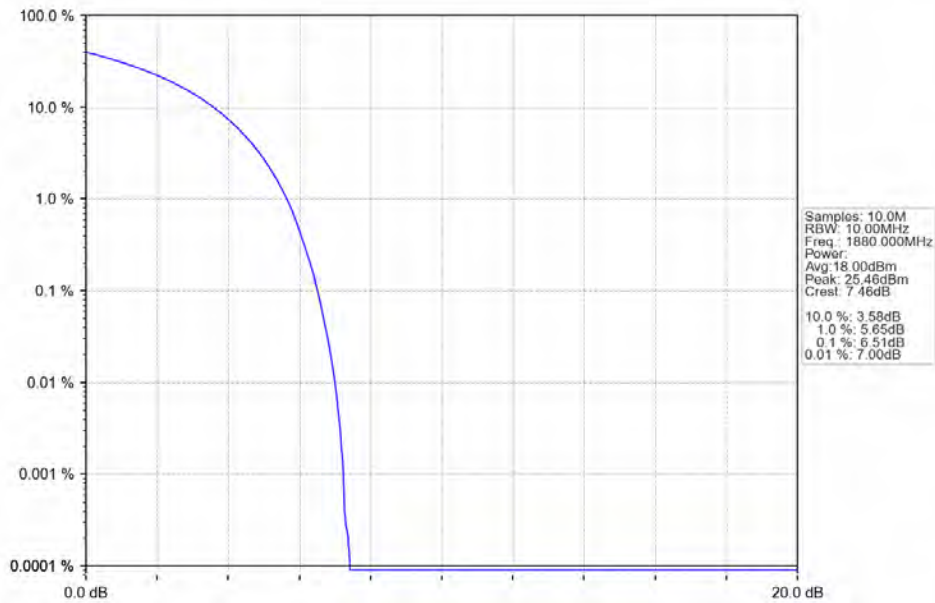
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n2 15kHz SISO NTV 10MHz CP-OFDM 16 QAM 1855MHz Outer Full



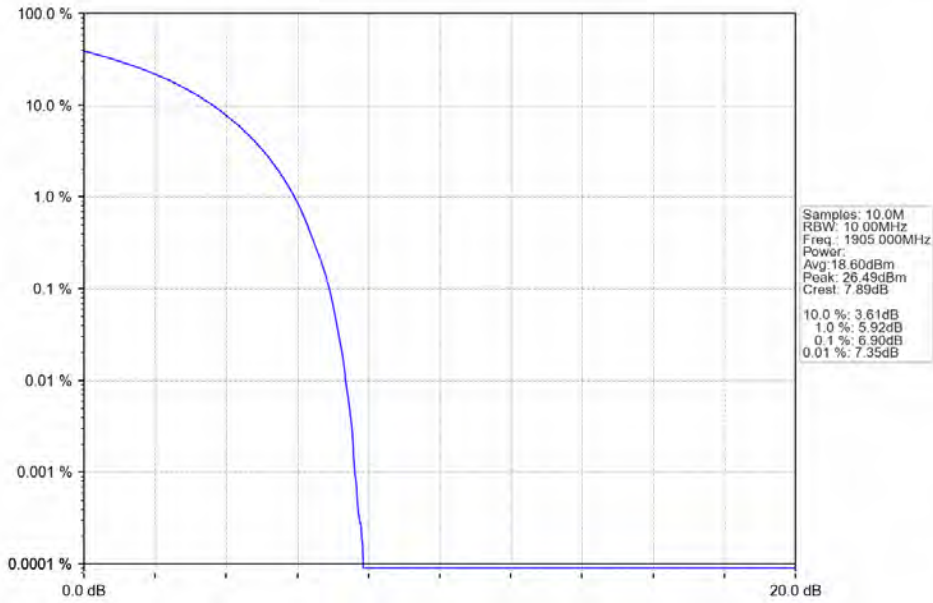
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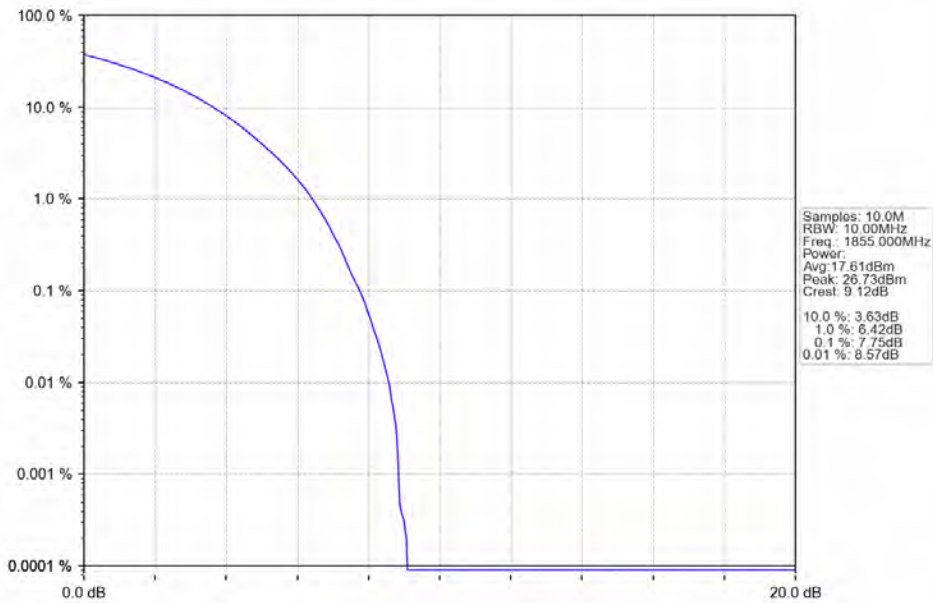
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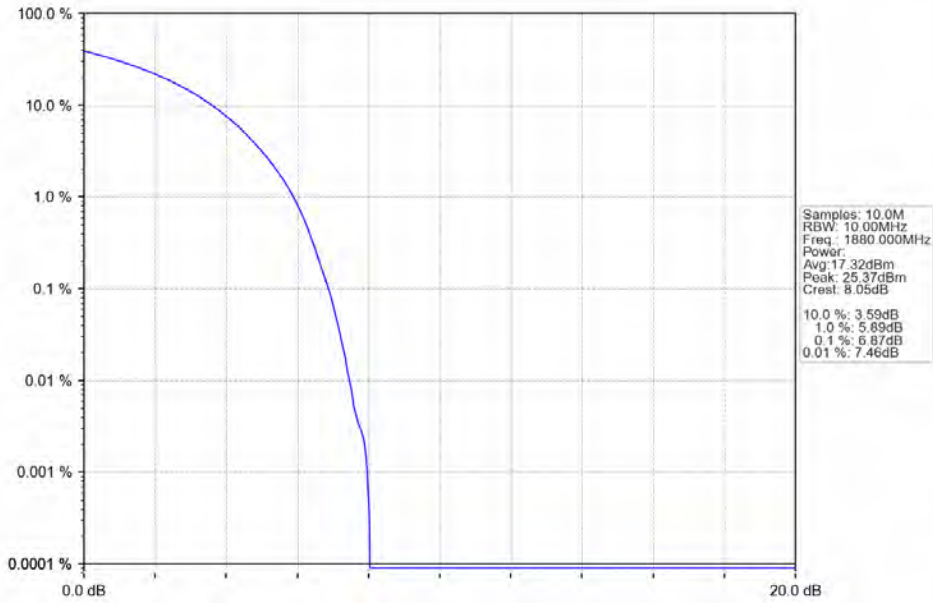
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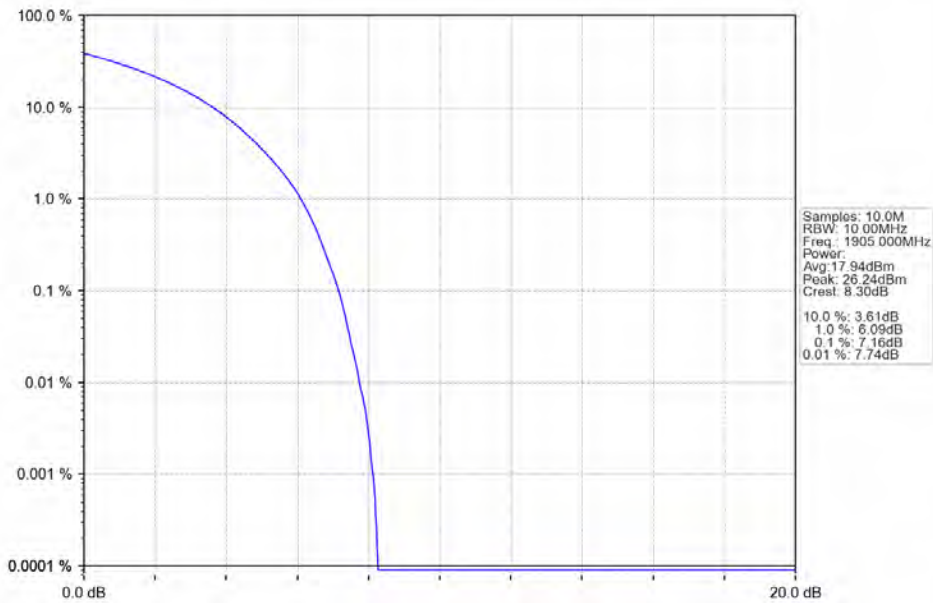
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n2 15kHz SISO NTV 10MHz CP-OFDM 64 QAM 1880MHz Outer Full



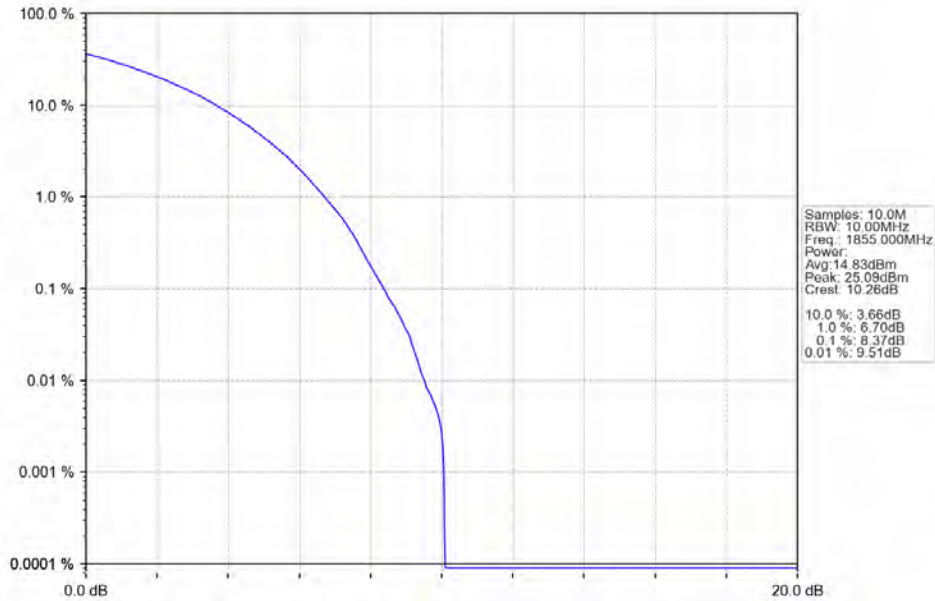
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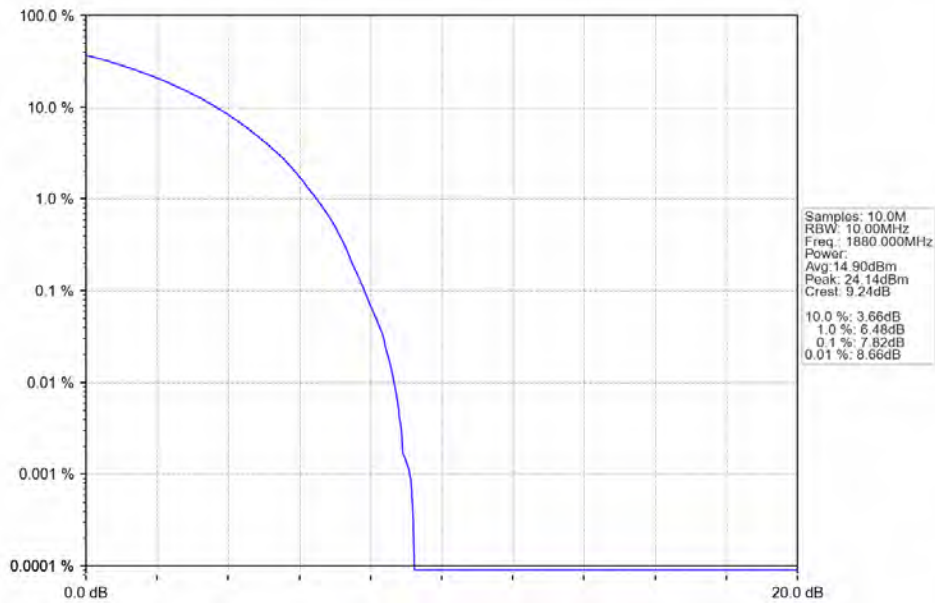
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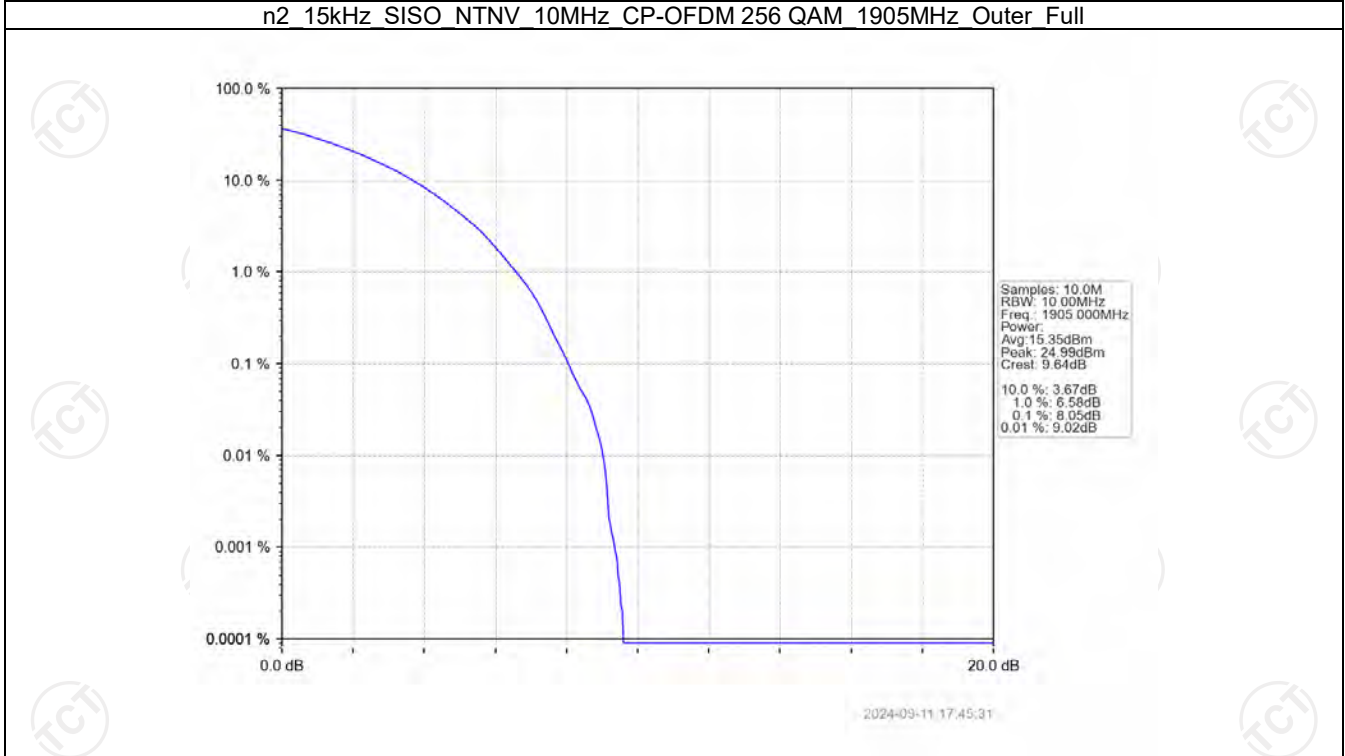
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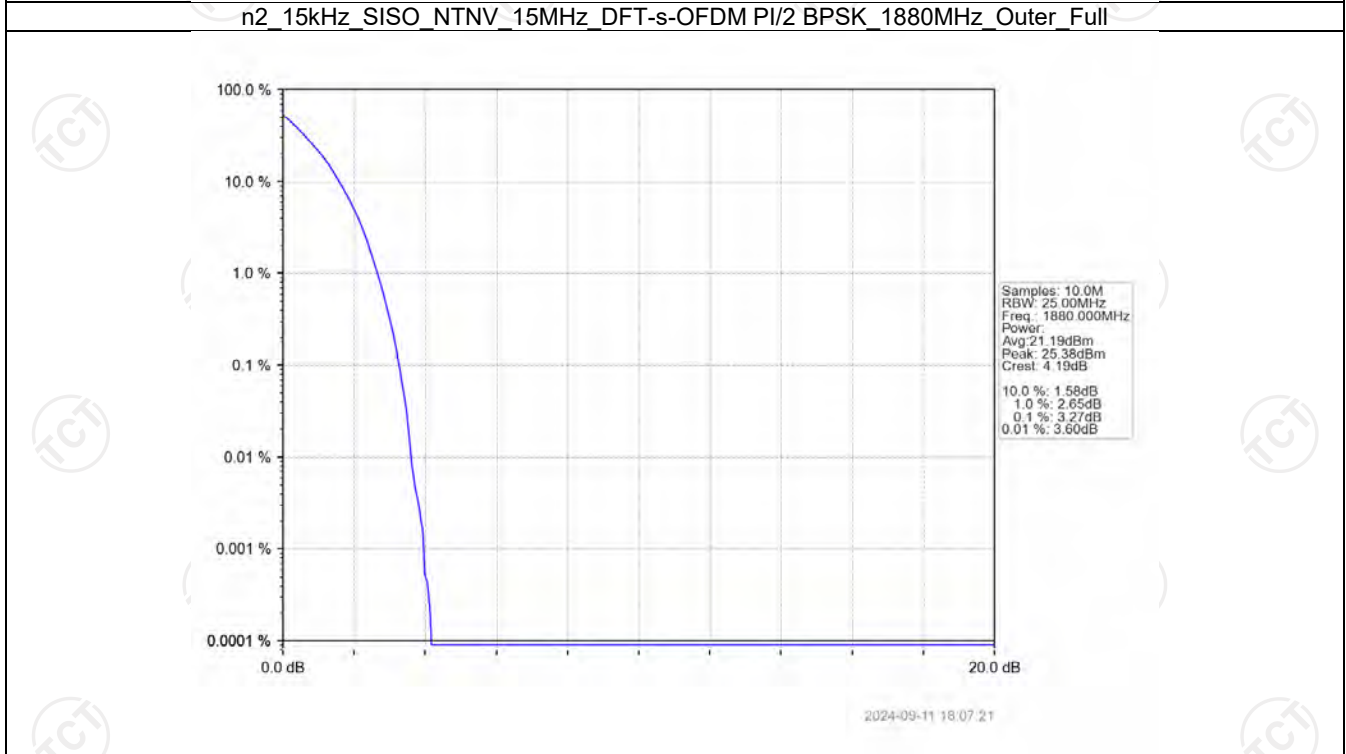
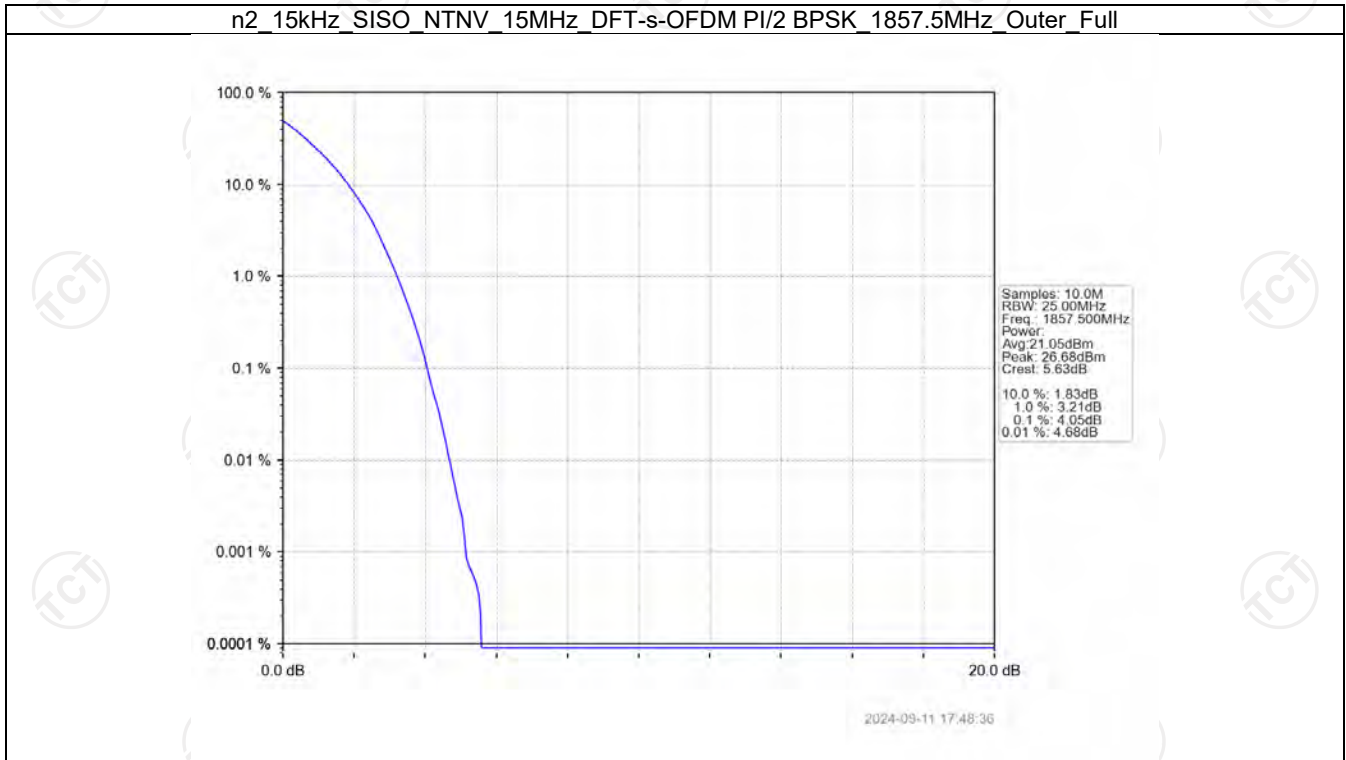


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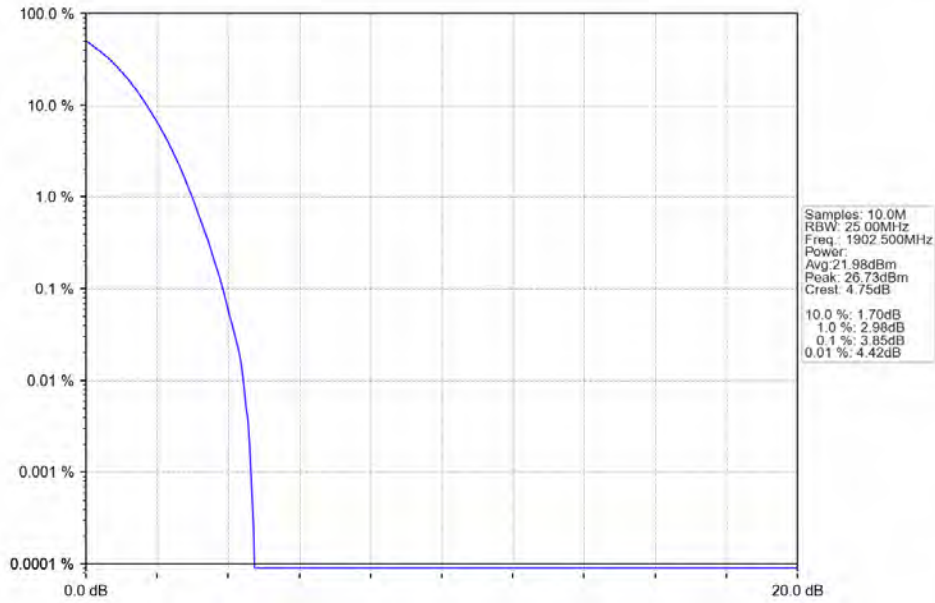


5.2.3 15k\_SISO\_15MHz\_NTNV



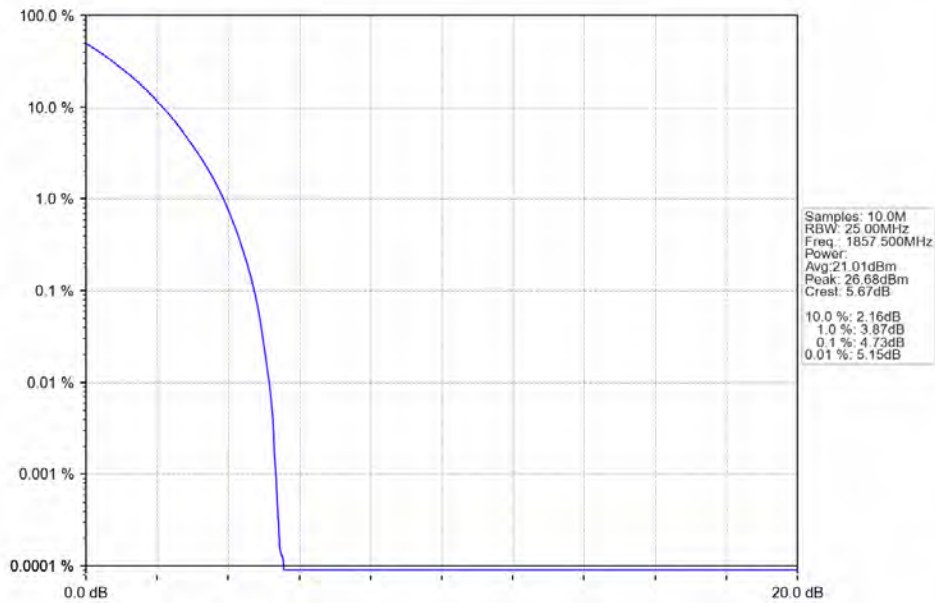


n2 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 1902.5MHz Outer Full



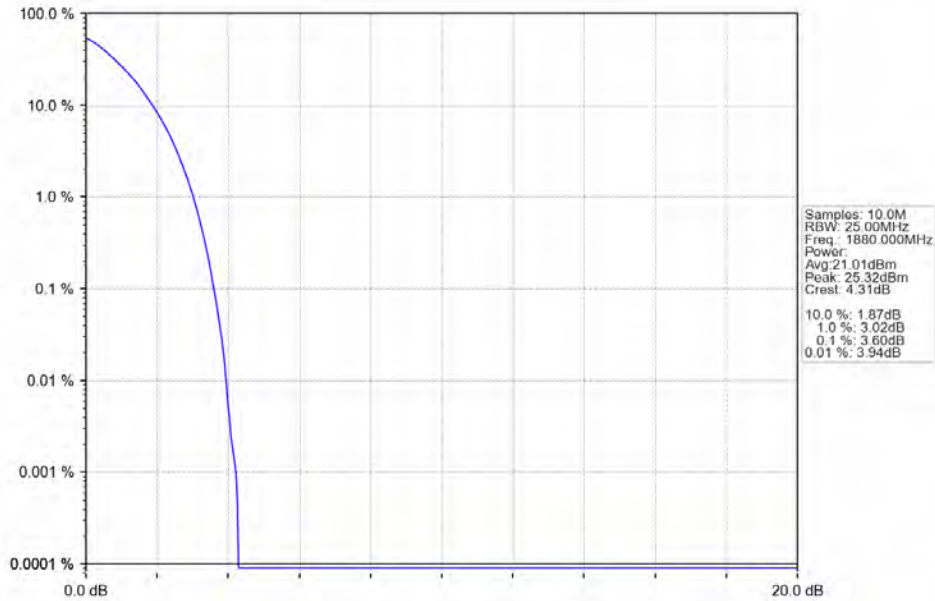
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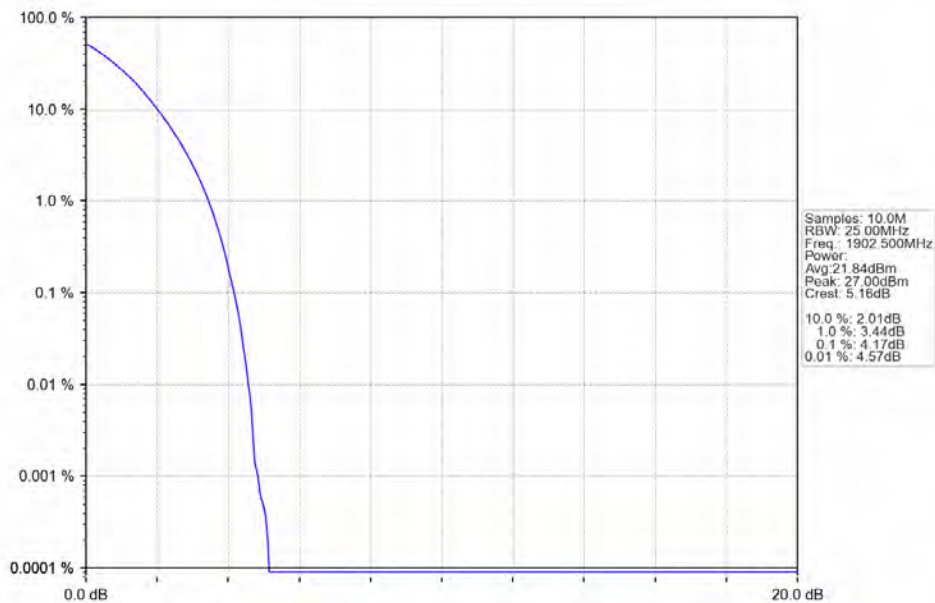
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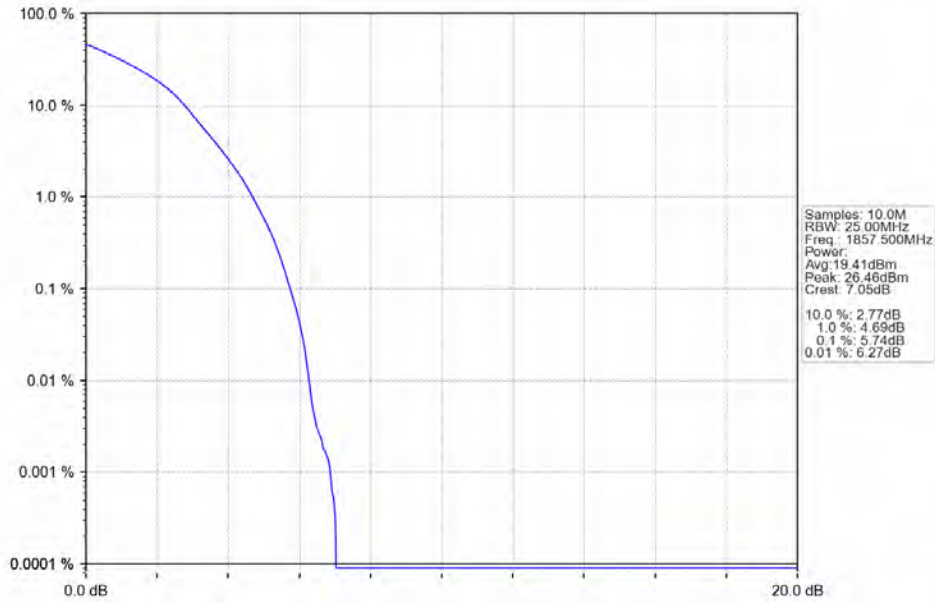
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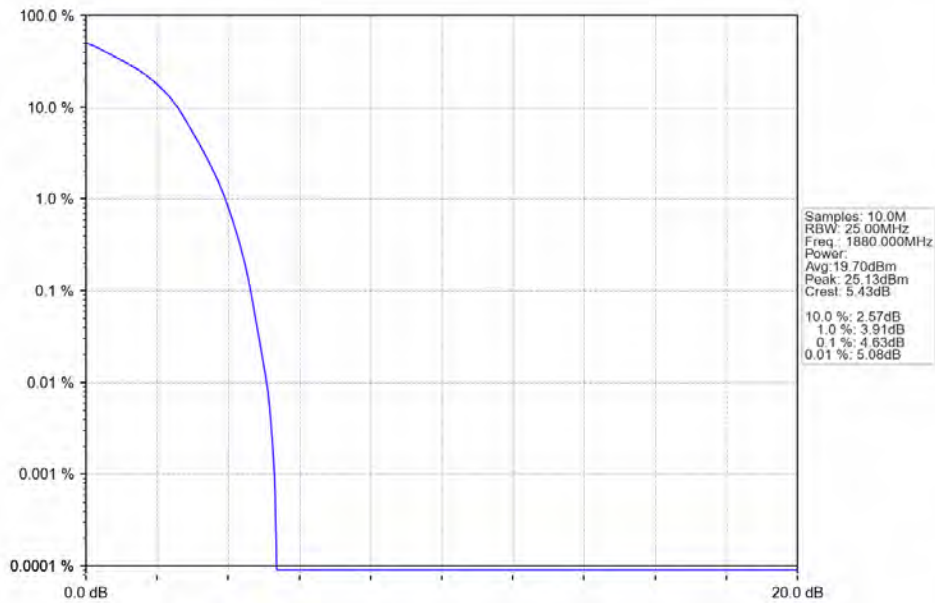
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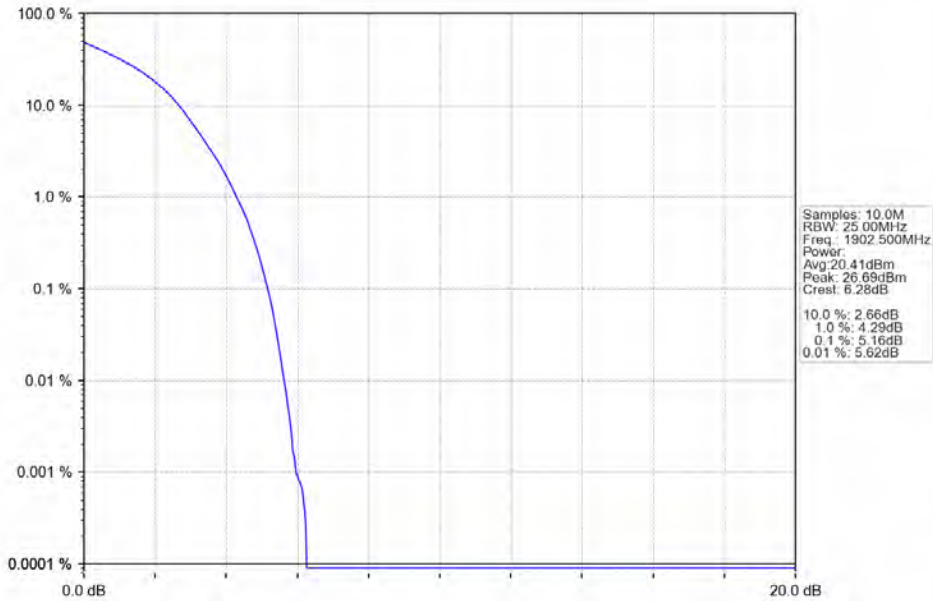
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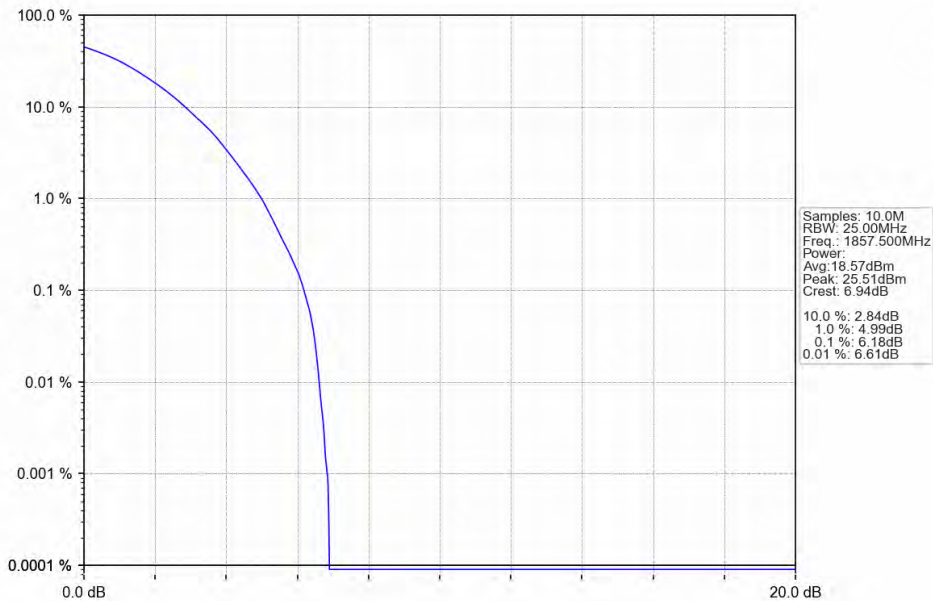
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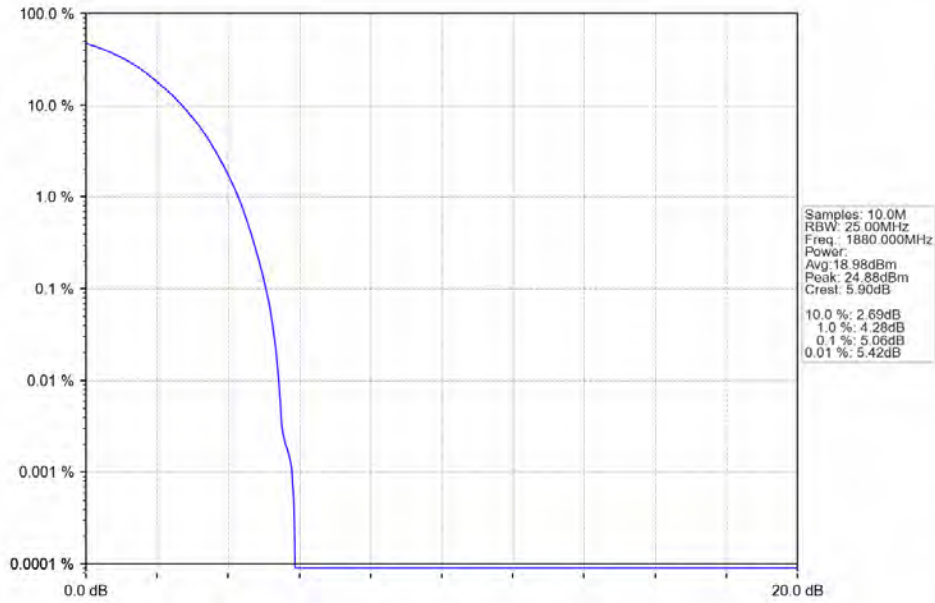
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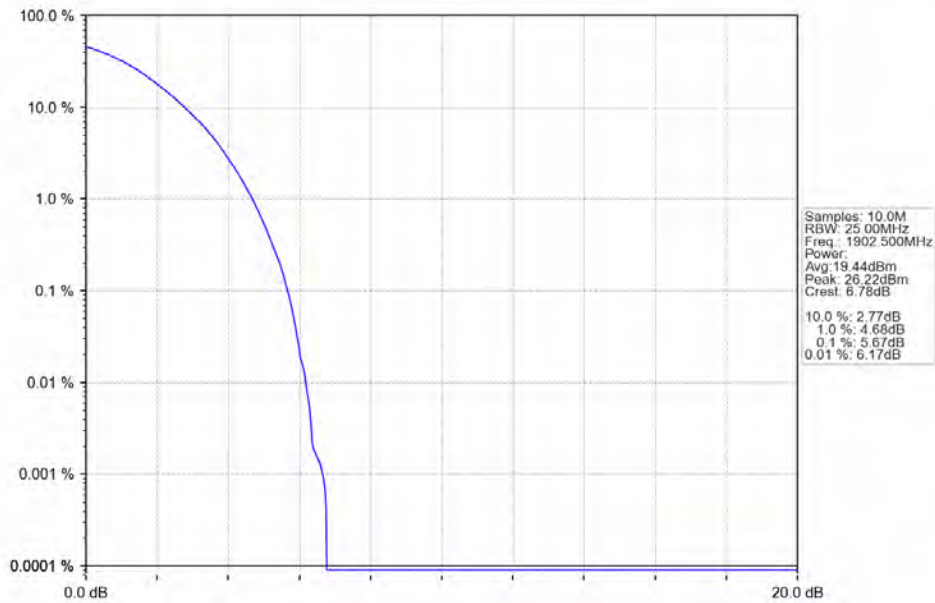
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n2 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 1880MHz Outer Full



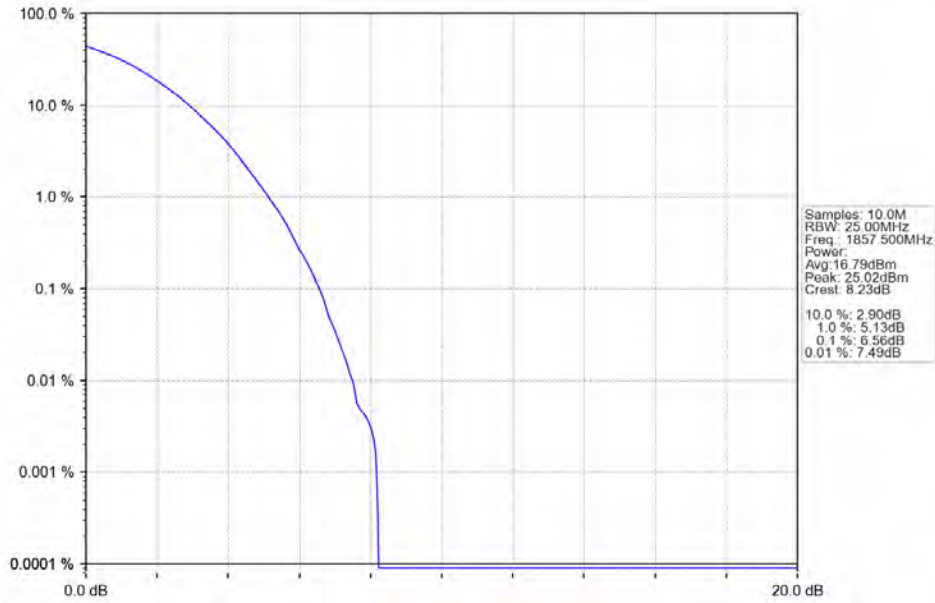
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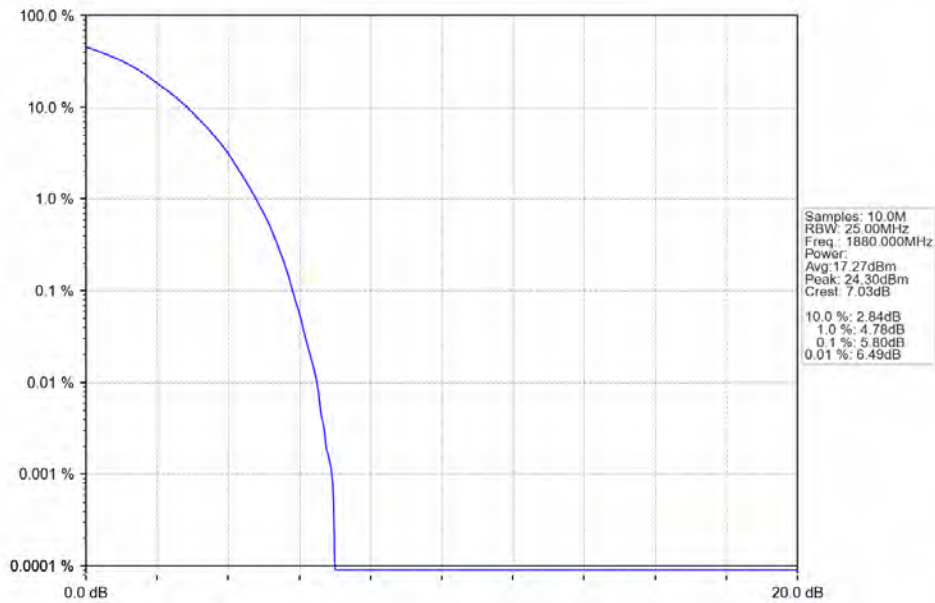
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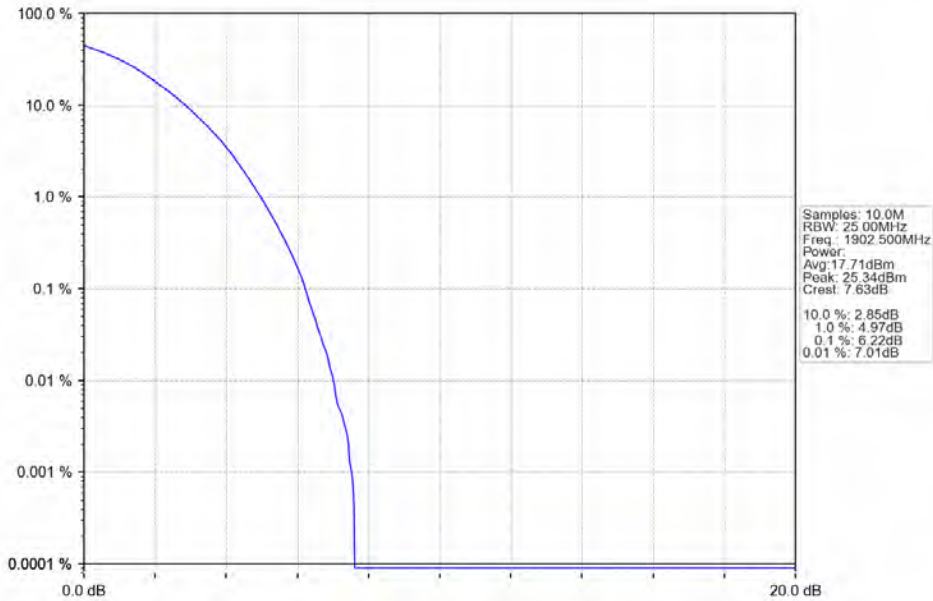
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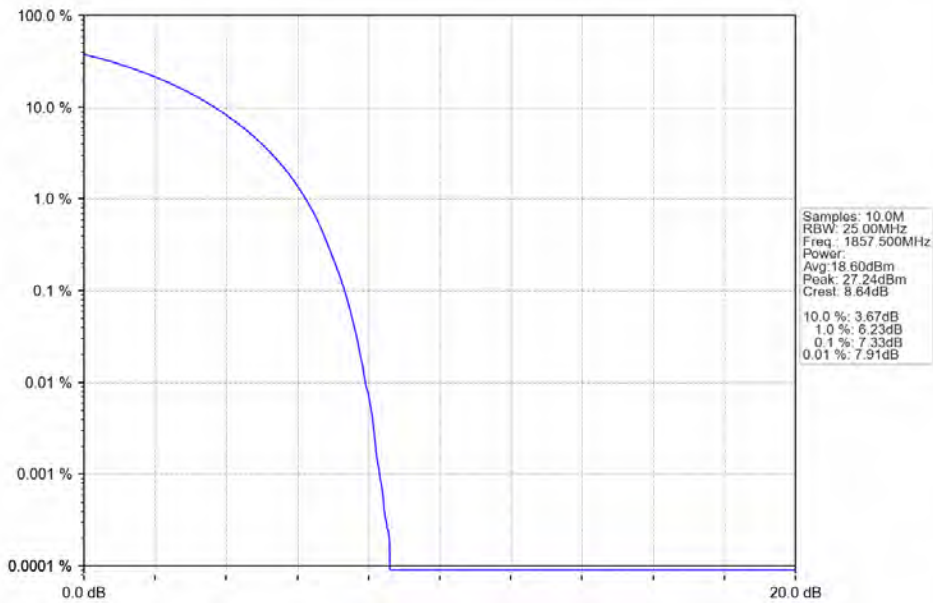
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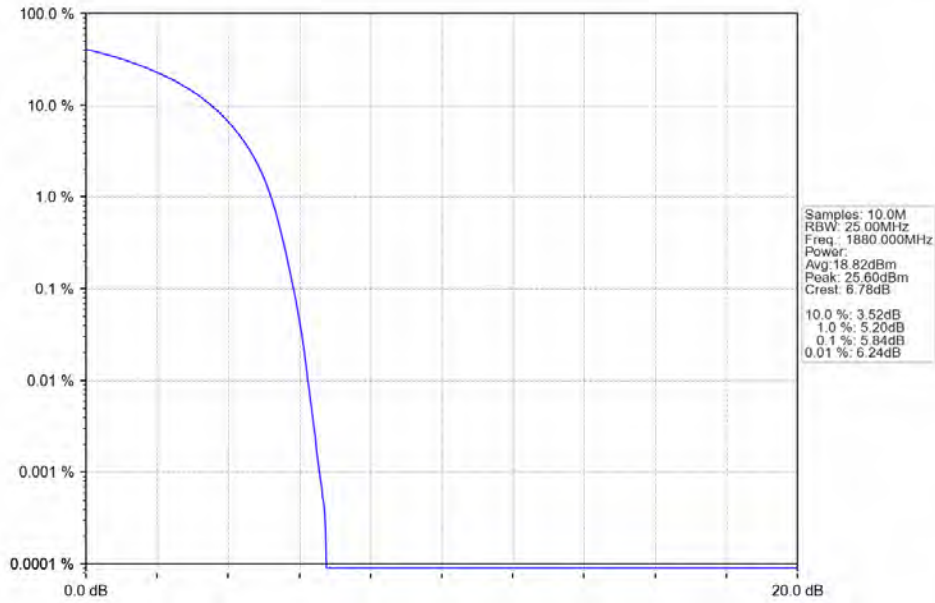
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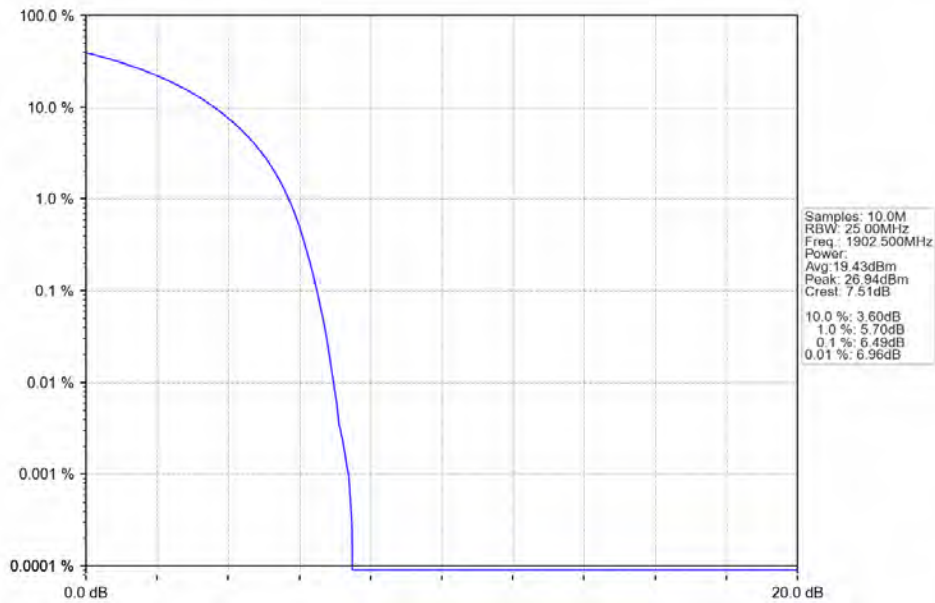
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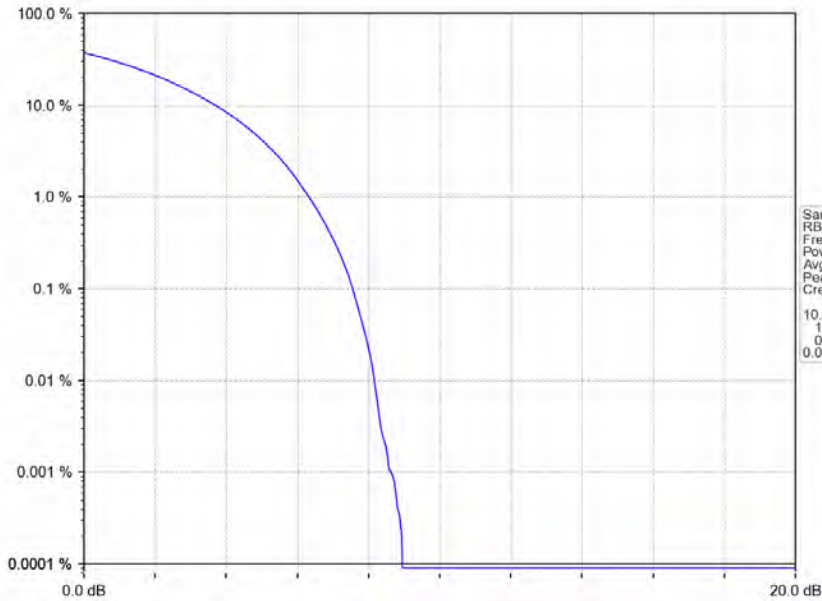
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2024-09-11 18:33:22



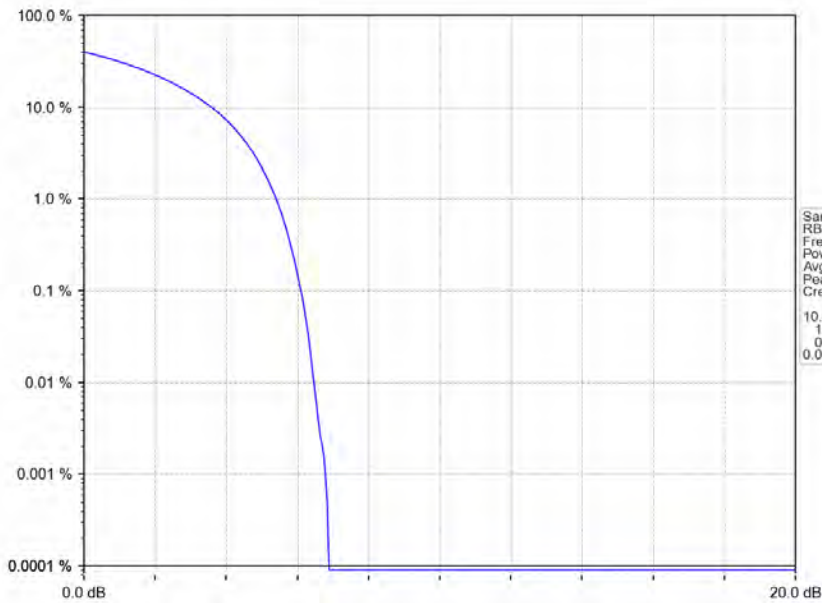
n2 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 1857.5MHz Outer Full



Samples: 10.0M  
RBW: 25.00MHz  
Freq.: 1857.500MHz  
Power:  
Avg: 18.16dBm  
Peak: 27.13dBm  
Crest: 8.97dB  
10.0 %: 3.69dB  
1.0 %: 6.32dB  
0.1 %: 7.55dB  
0.01 %: 8.16dB

2024-09-11 18:02:17

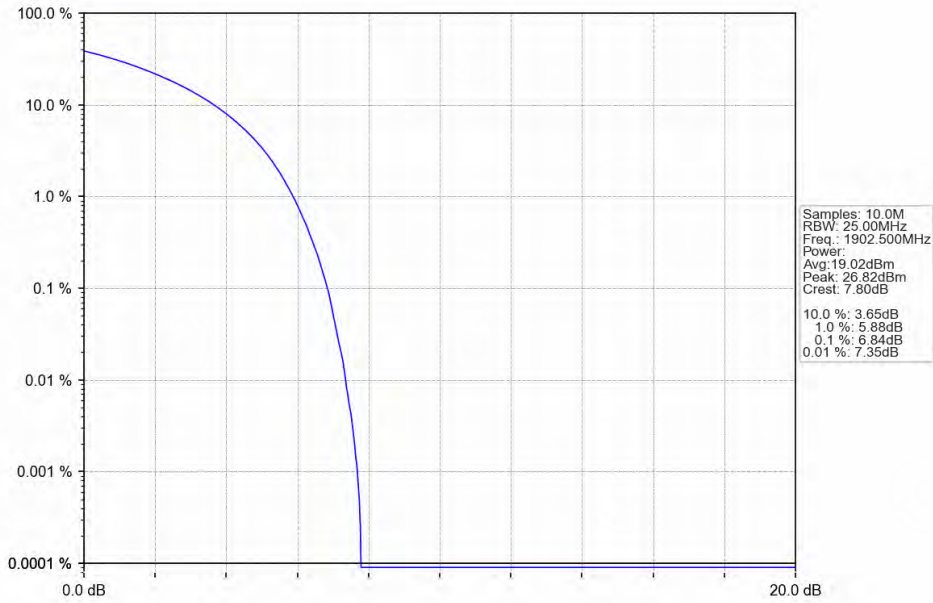
n2 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 1880MHz Outer Full



Samples: 10.0M  
RBW: 25.00MHz  
Freq.: 1880.000MHz  
Power:  
Avg: 18.39dBm  
Peak: 25.30dBm  
Crest: 6.91dB  
10.0 %: 3.58dB  
1.0 %: 5.40dB  
0.1 %: 6.10dB  
0.01 %: 6.46dB

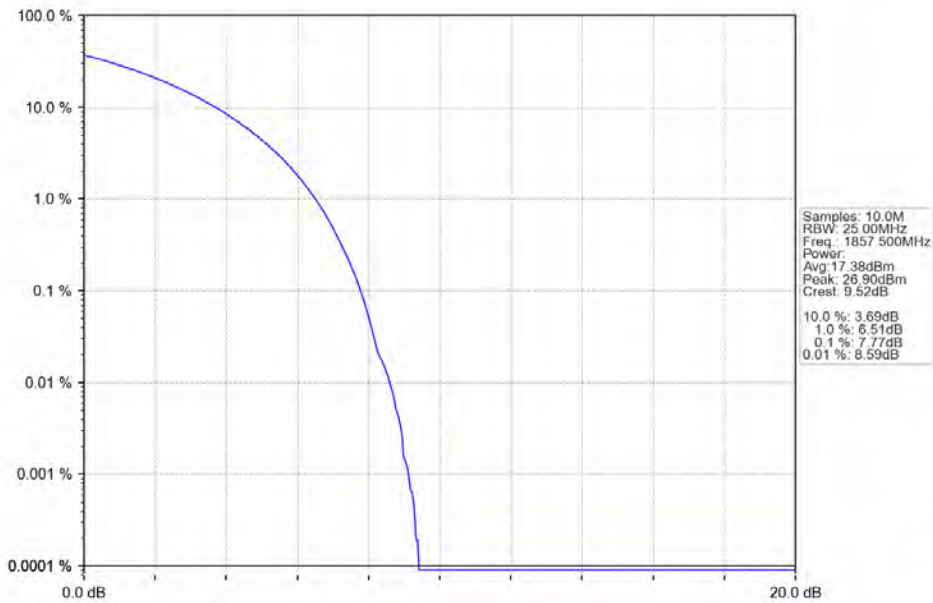
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n2 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 1902.5MHz Outer Full



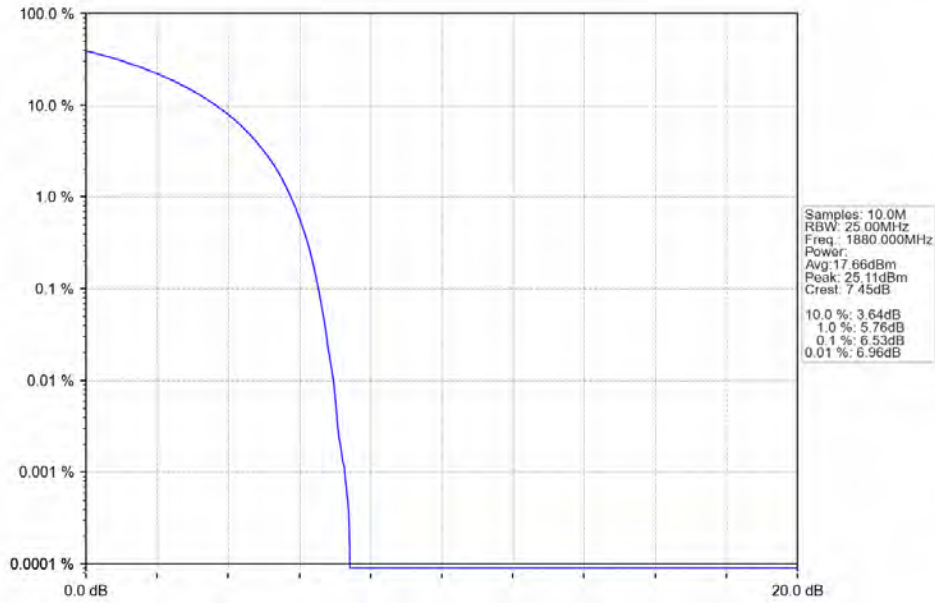
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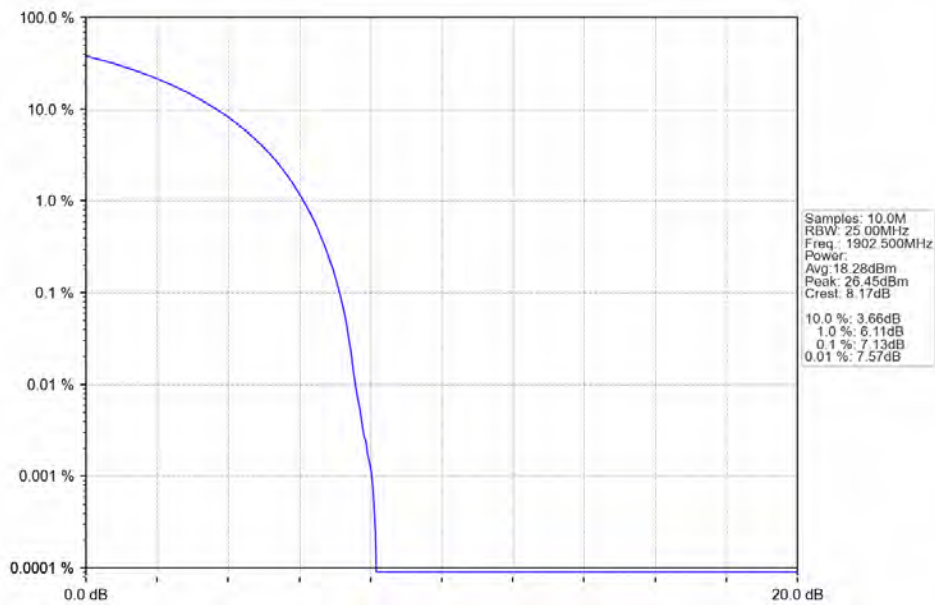
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n2 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 1880MHz Outer Full



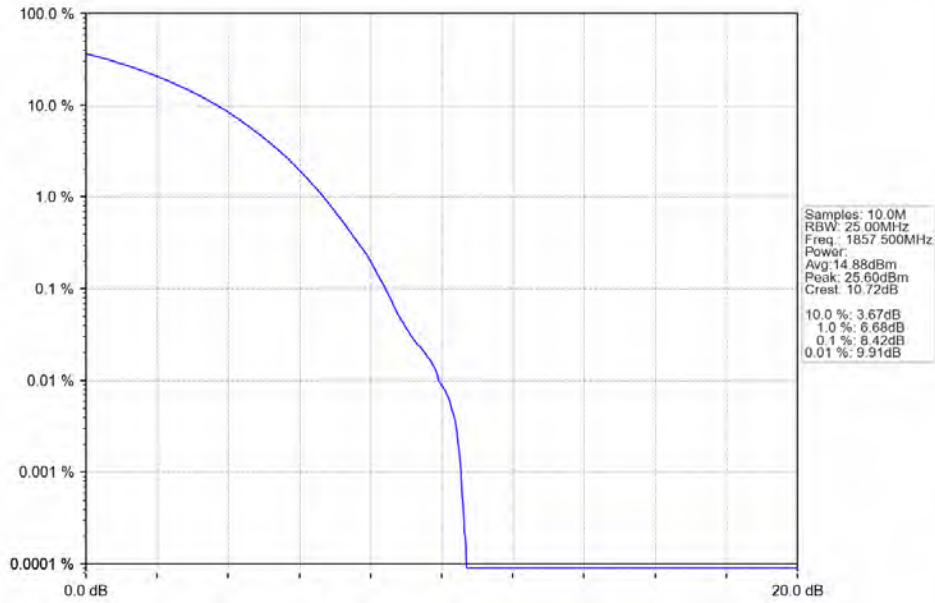
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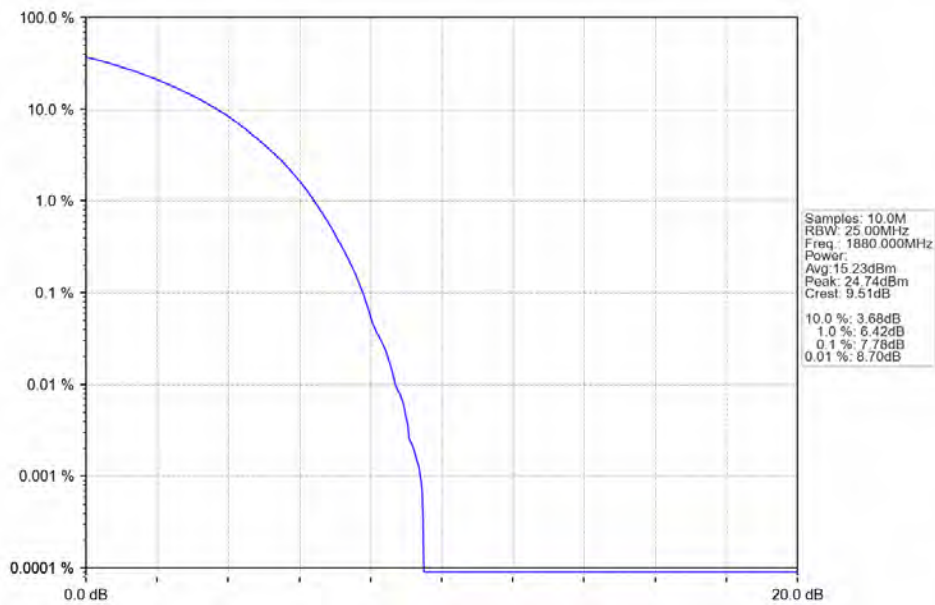
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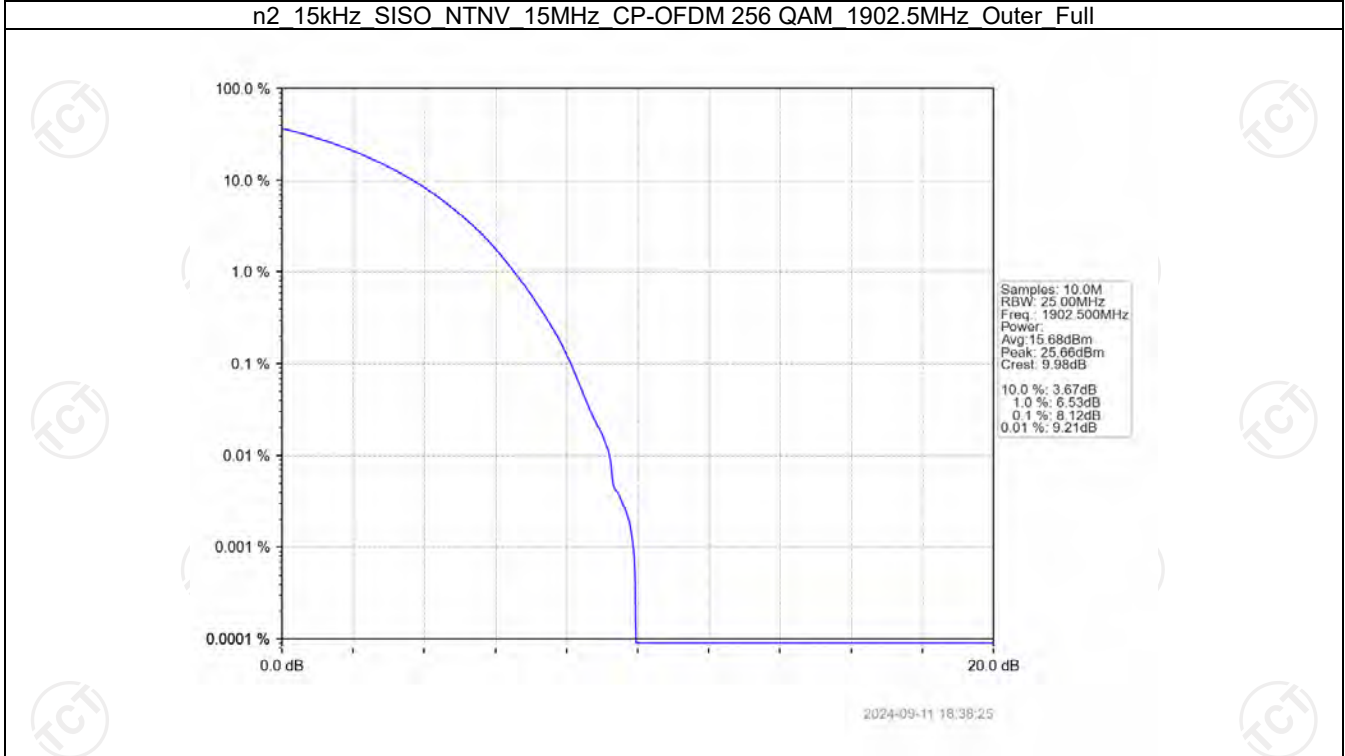
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n2 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 1880MHz Outer Full

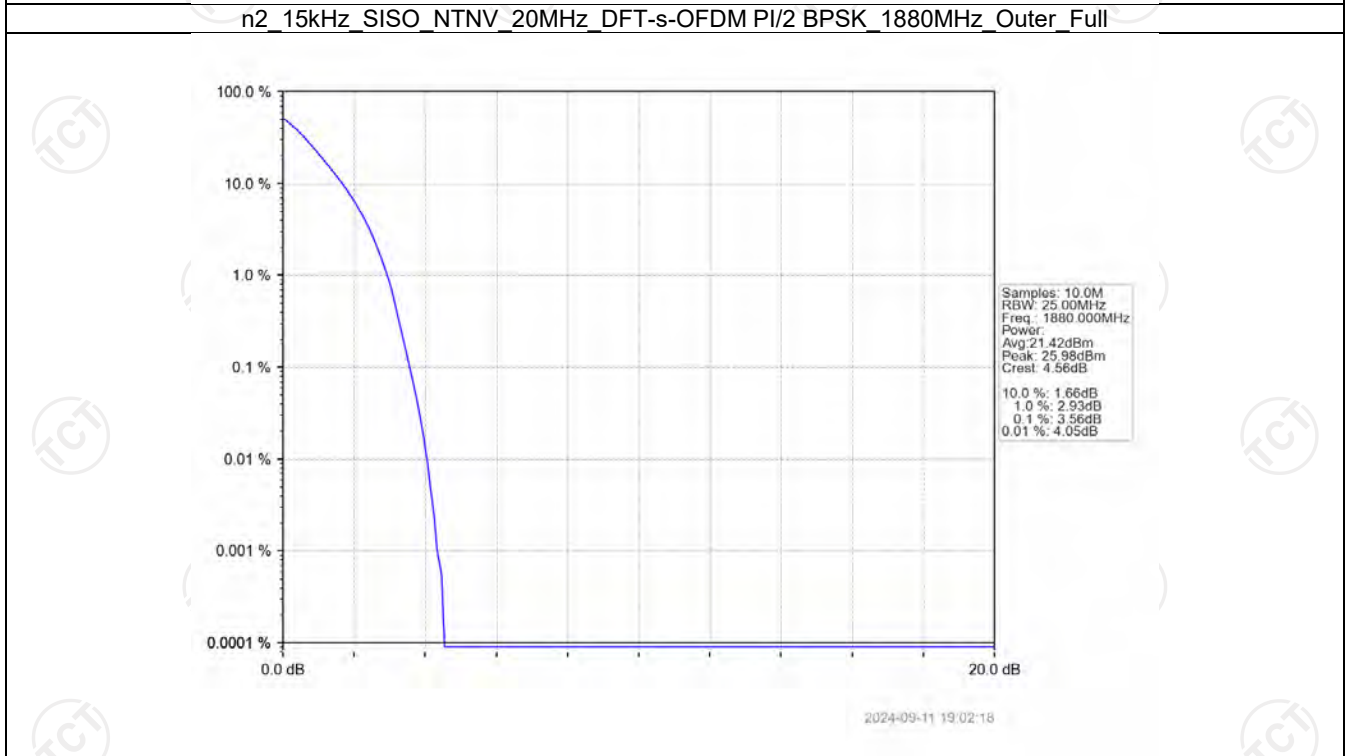
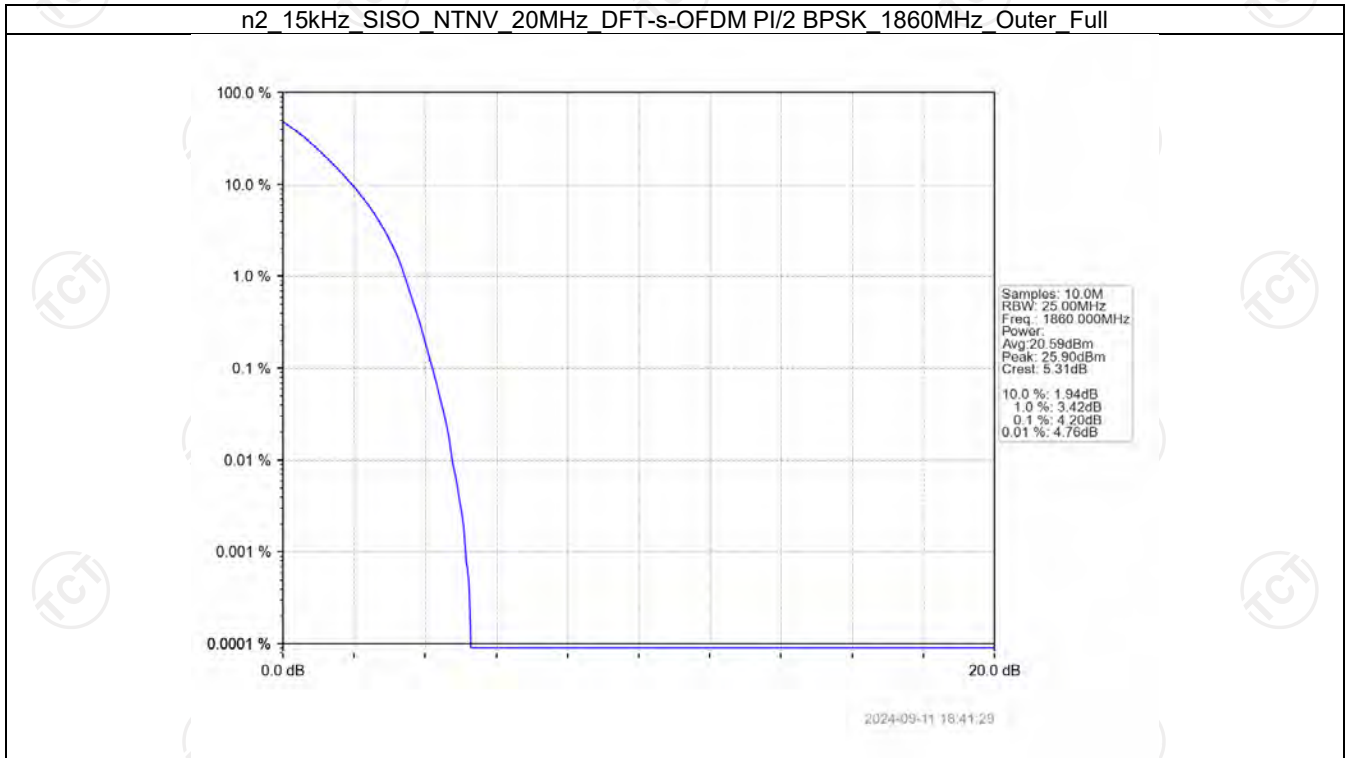


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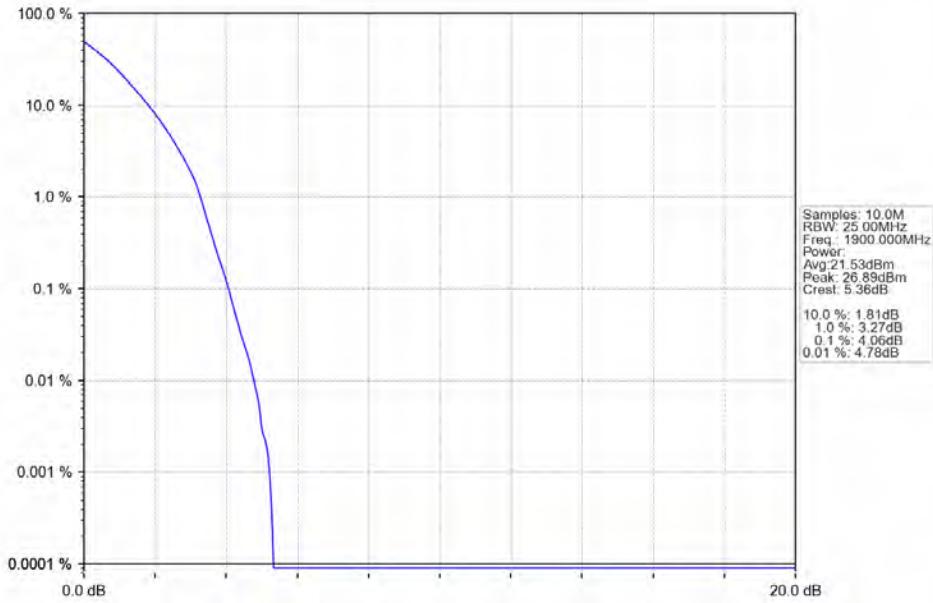
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5.2.4 15k\_SISO\_20MHz\_NTNV

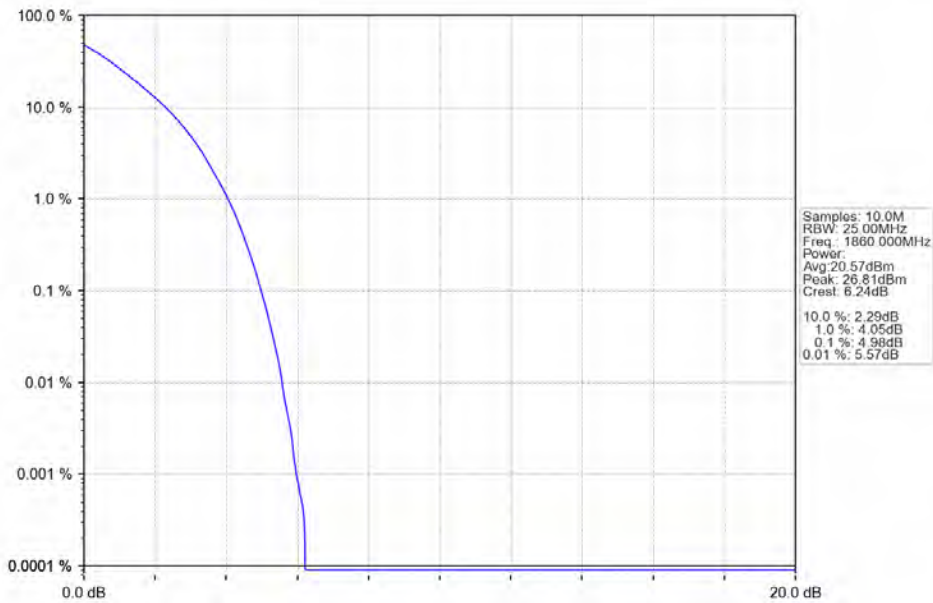


n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Outer Full



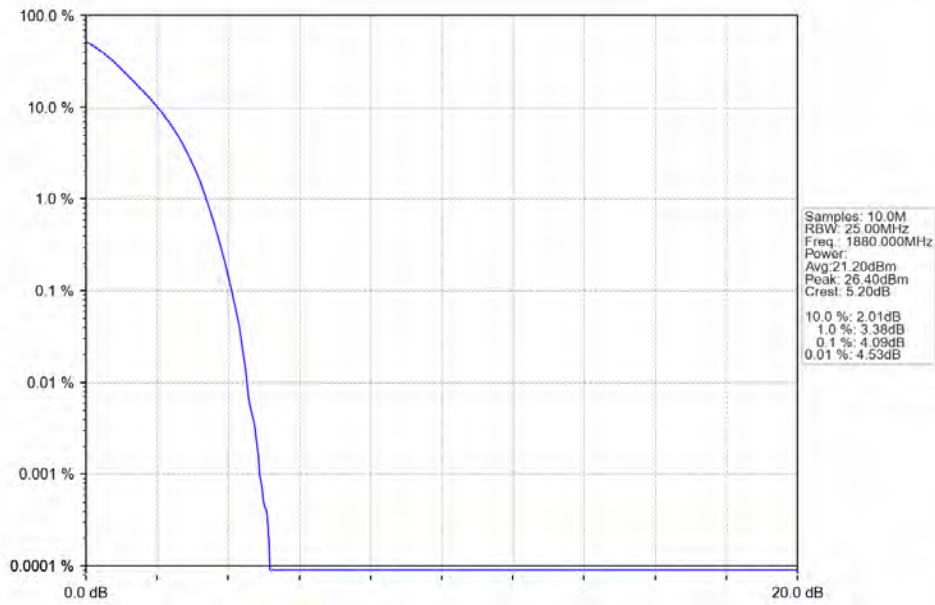
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n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1860MHz Outer Full



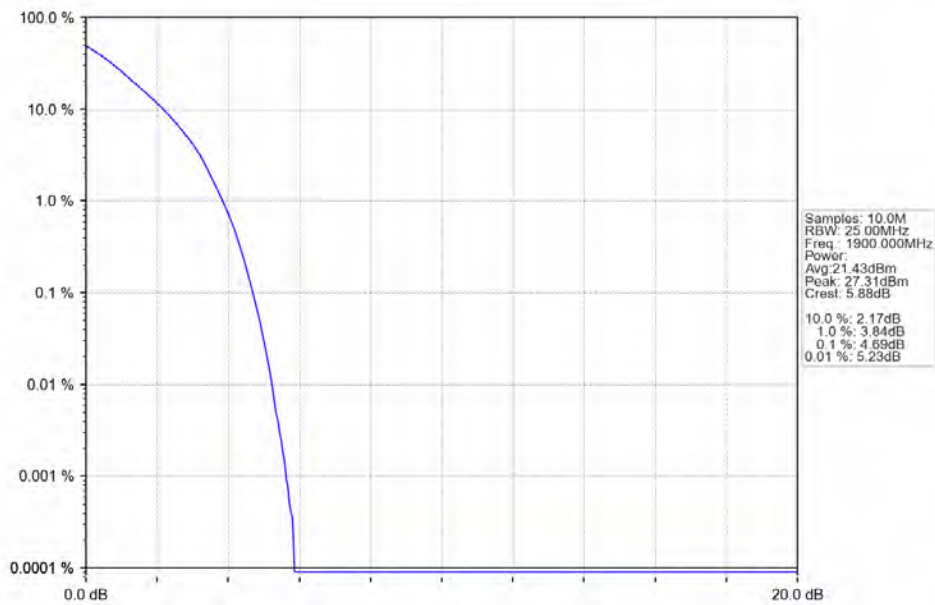
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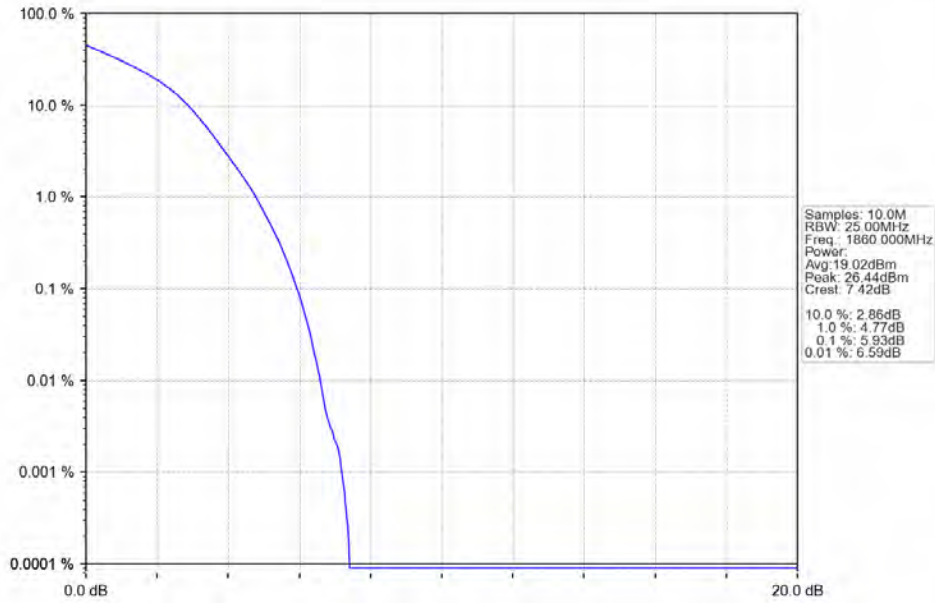
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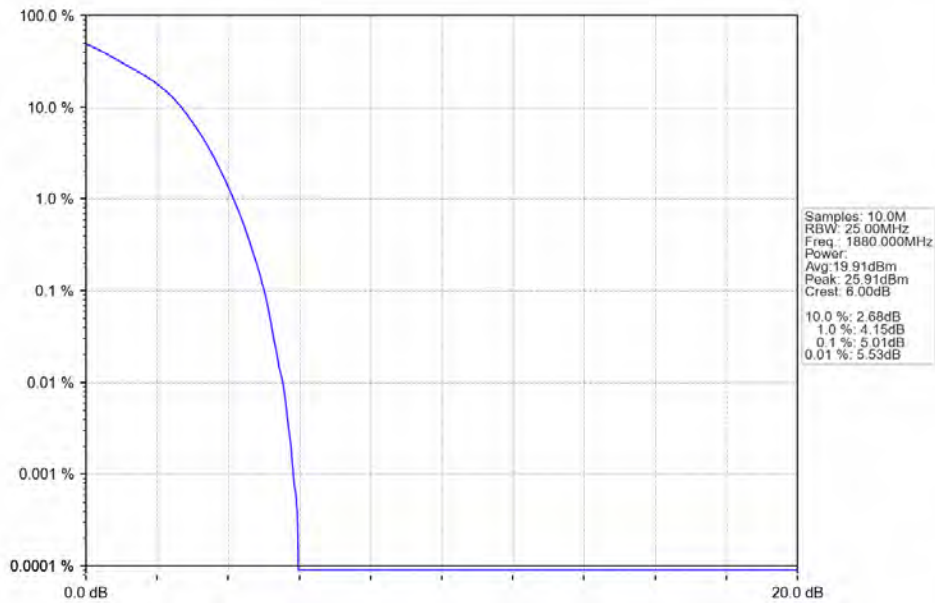


n2 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 1860MHz Outer Full



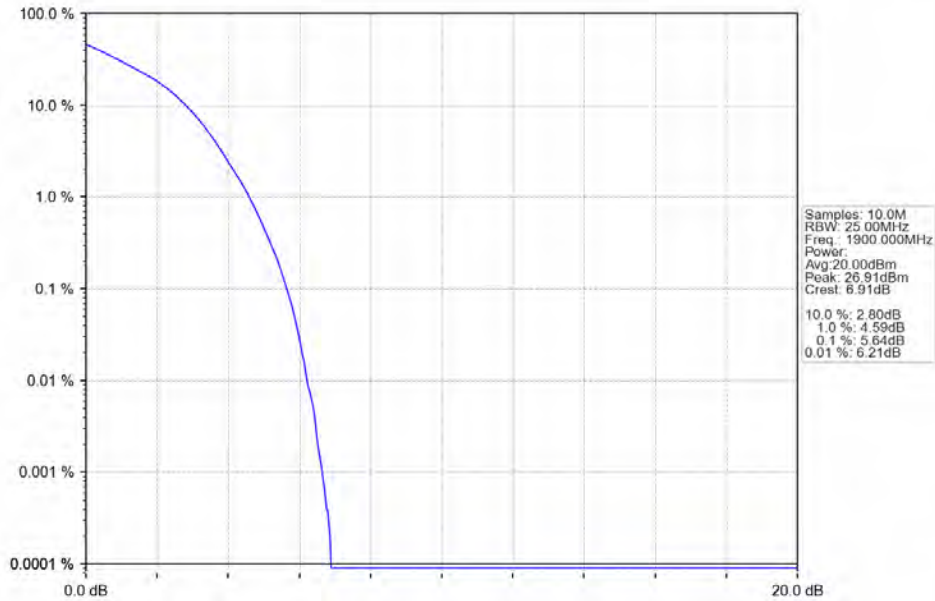
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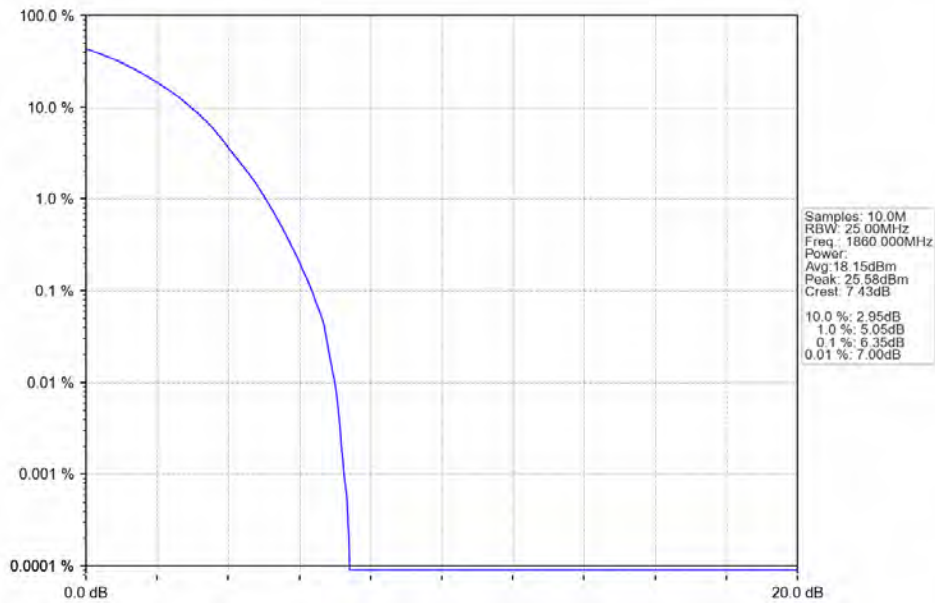
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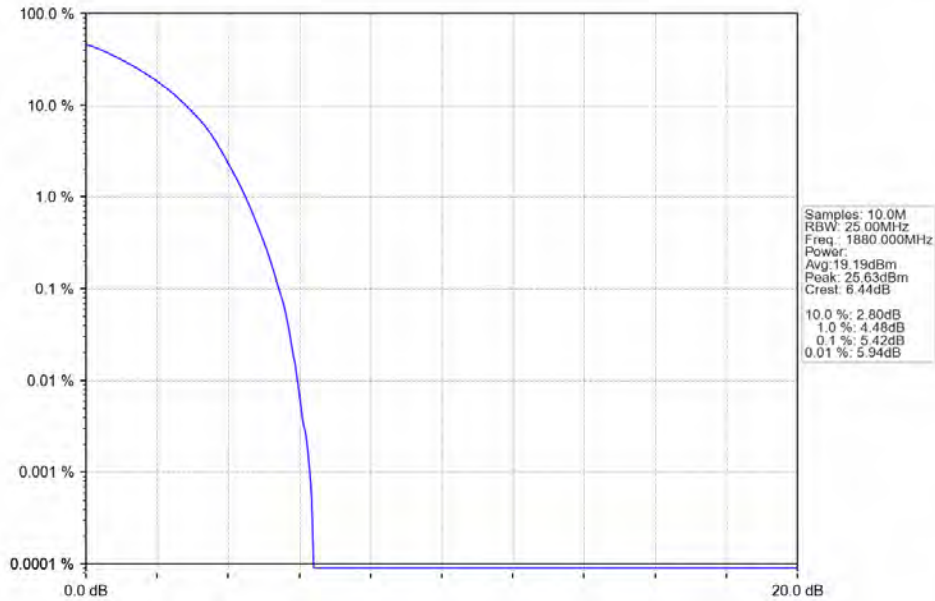
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n2 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 1860MHz Outer Full



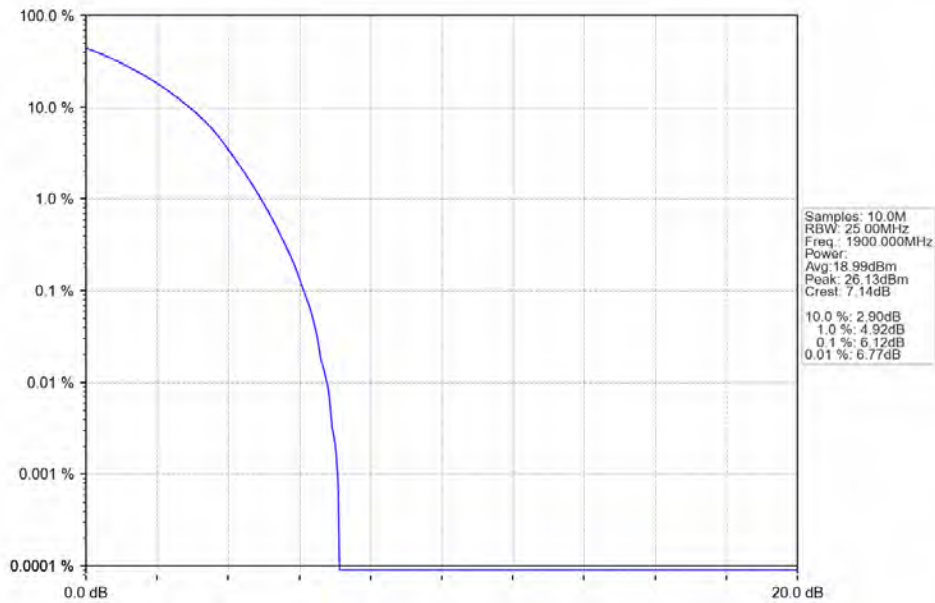
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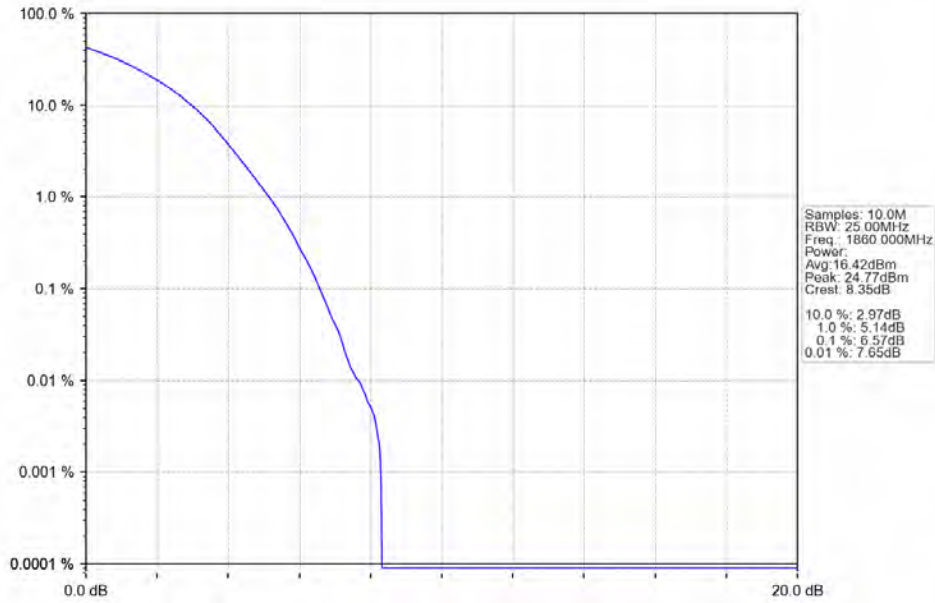
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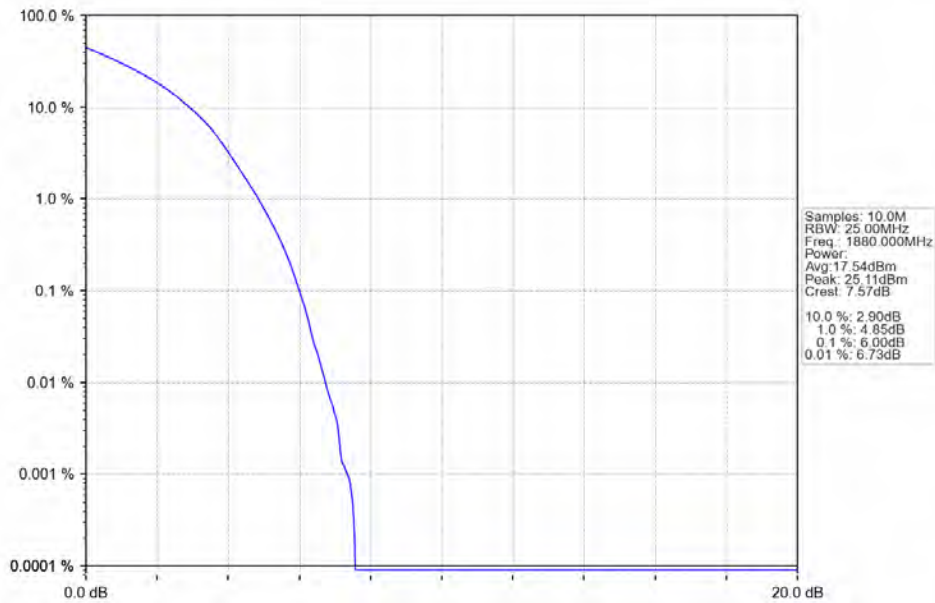
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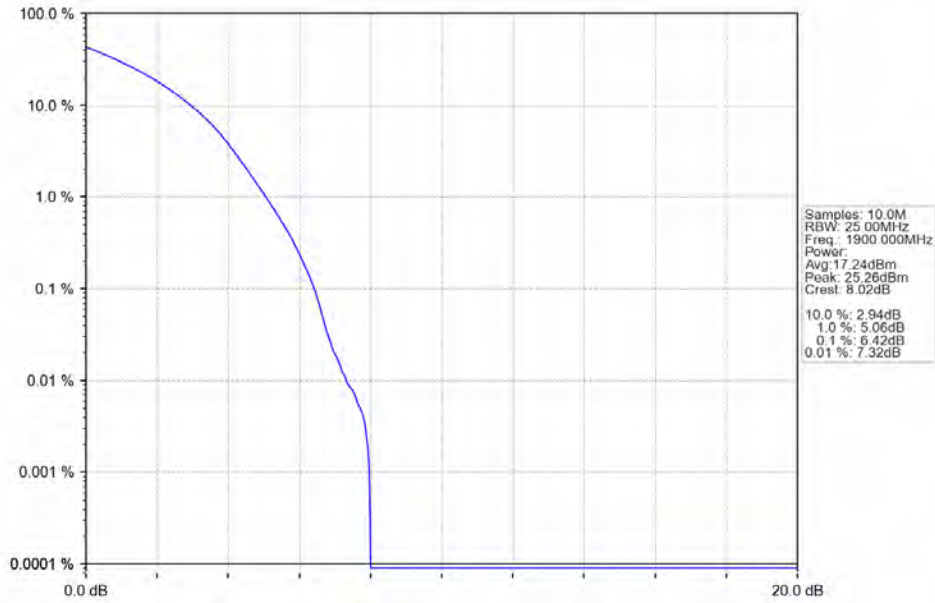
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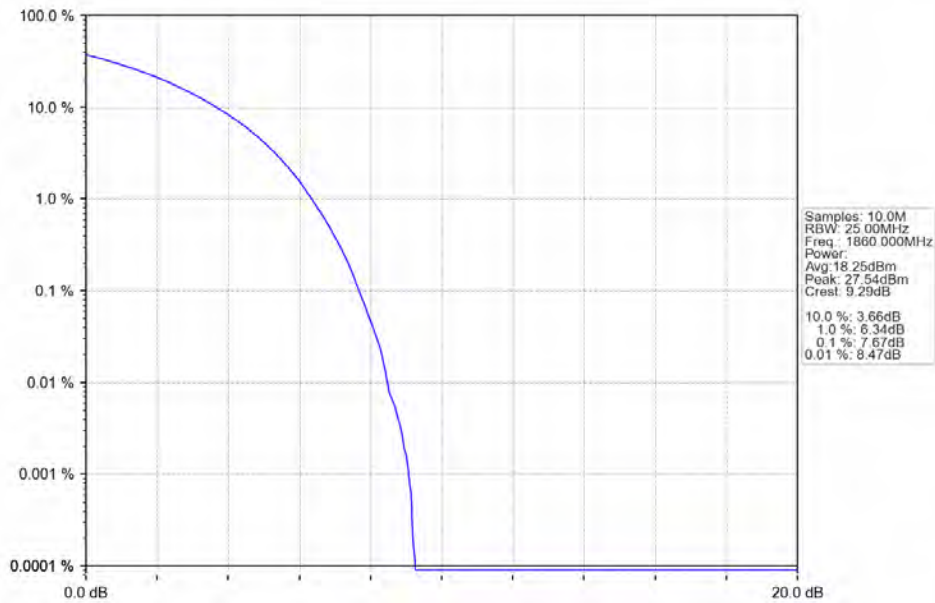
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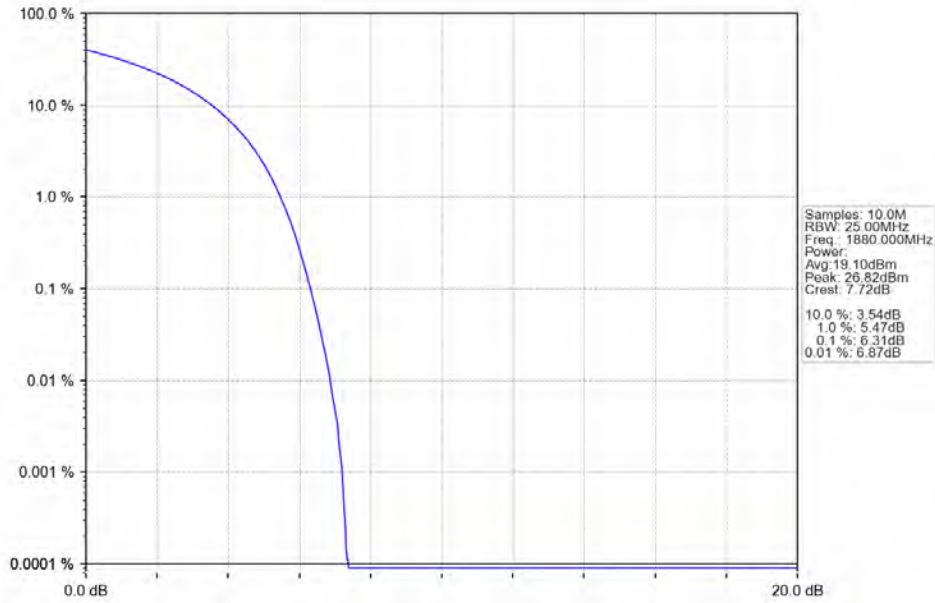
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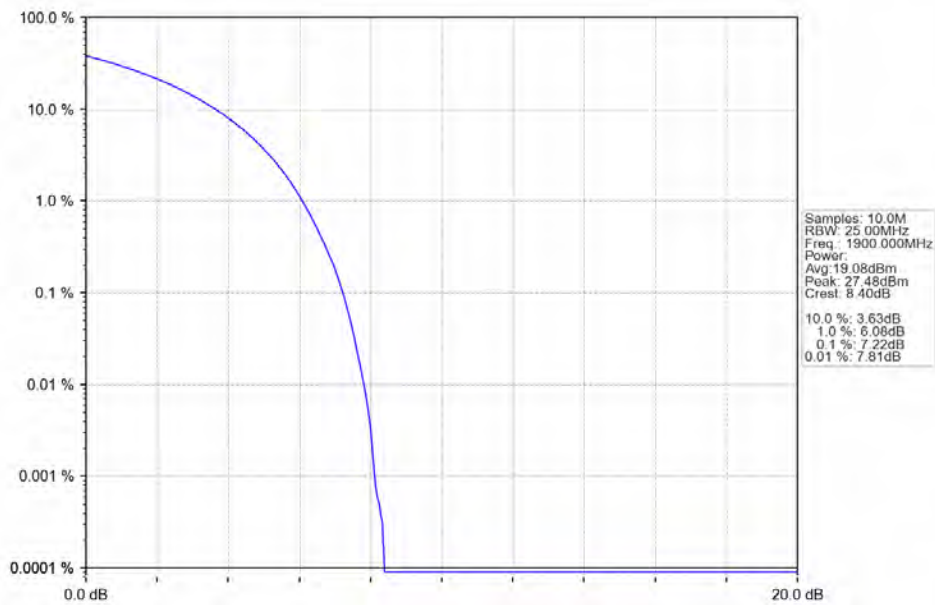
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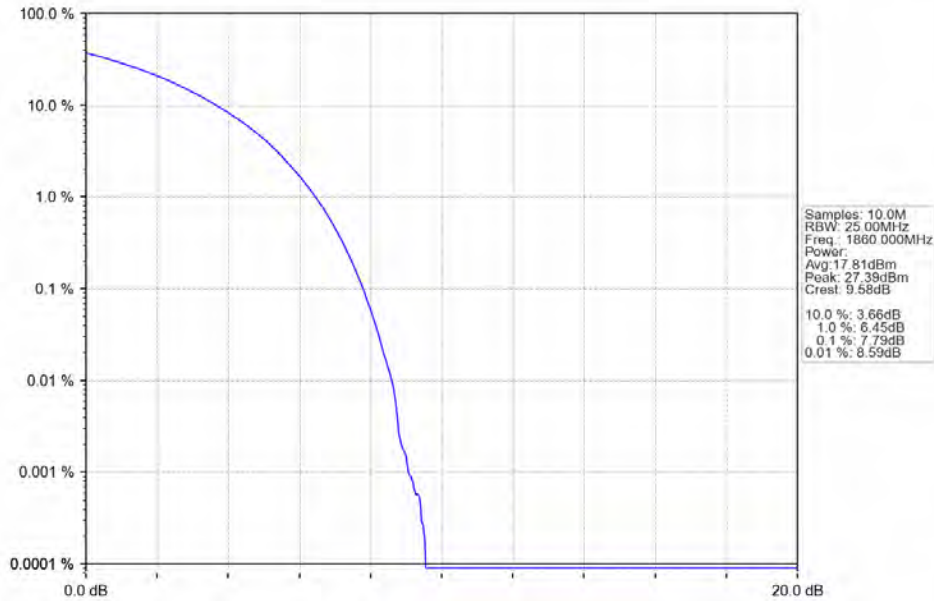
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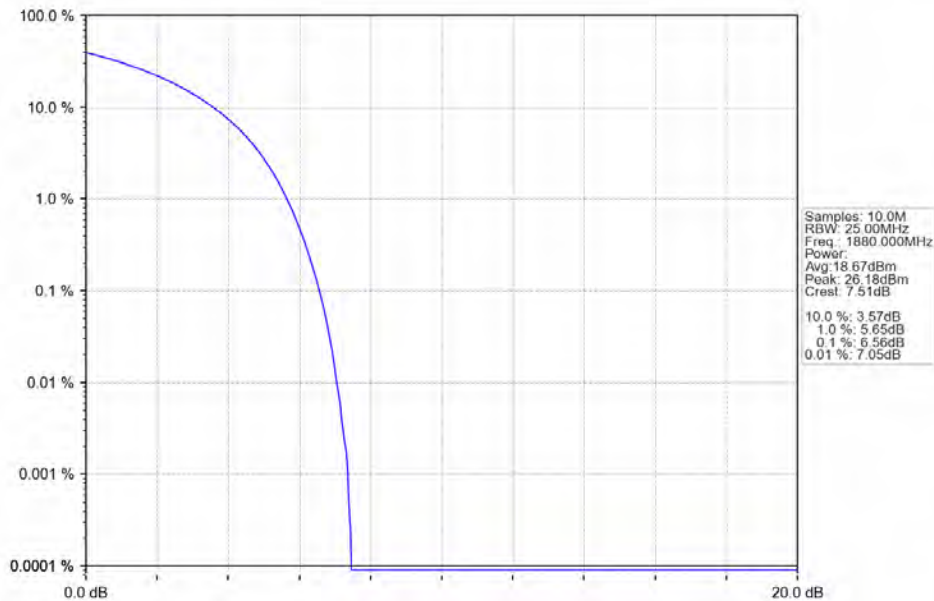
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n2 15kHz SISO NTV 20MHz CP-OFDM 16 QAM 1860MHz Outer Full



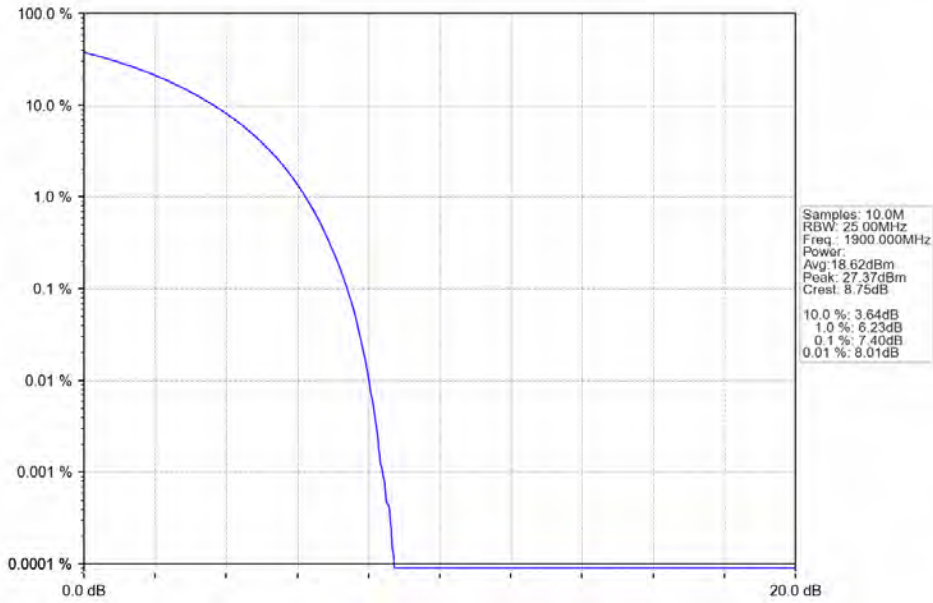
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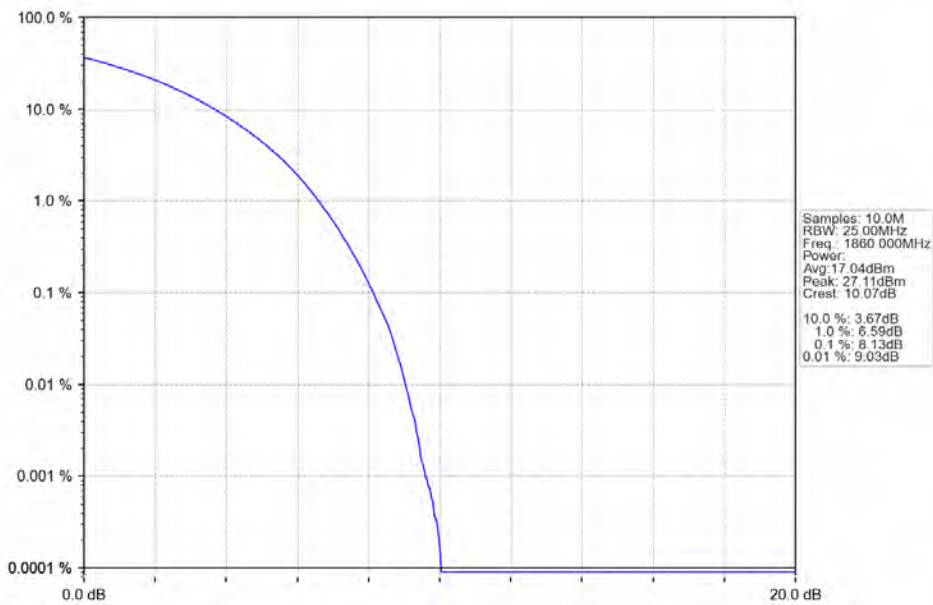
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2024-09-11 19:33:37

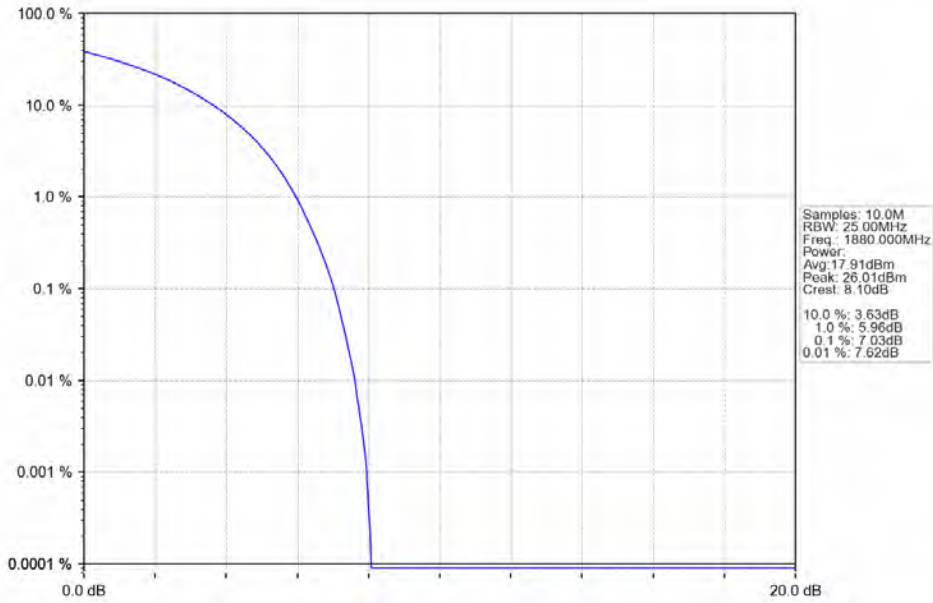
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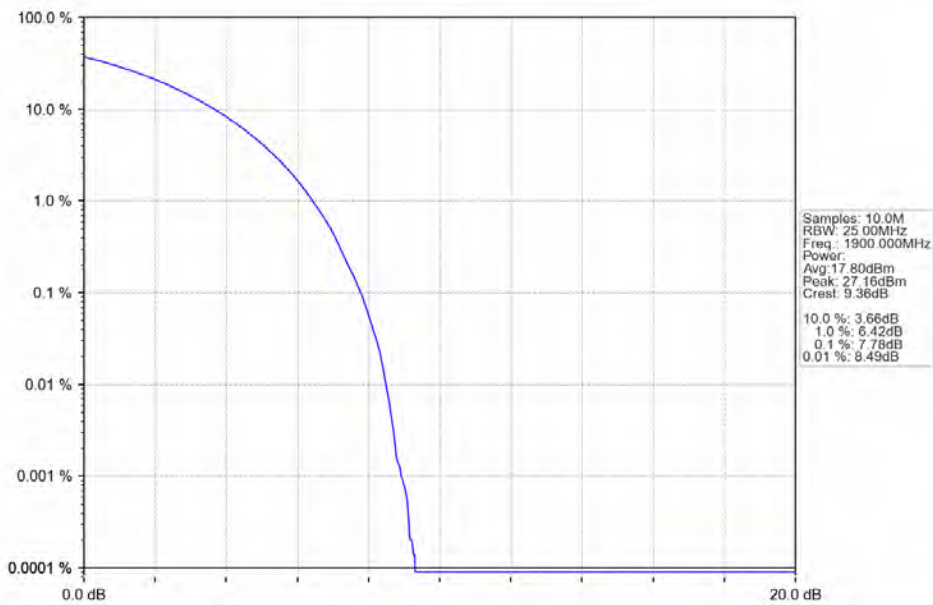


n2 15kHz SISO NTV 20MHz CP-OFDM 64 QAM 1880MHz Outer Full



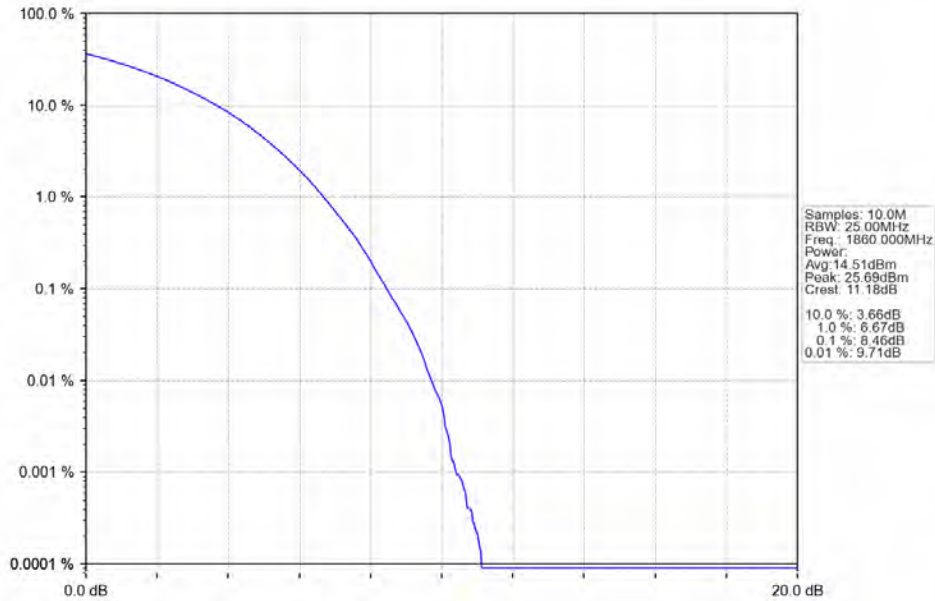
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n2 15kHz SISO NTV 20MHz CP-OFDM 64 QAM 1900MHz Outer Full



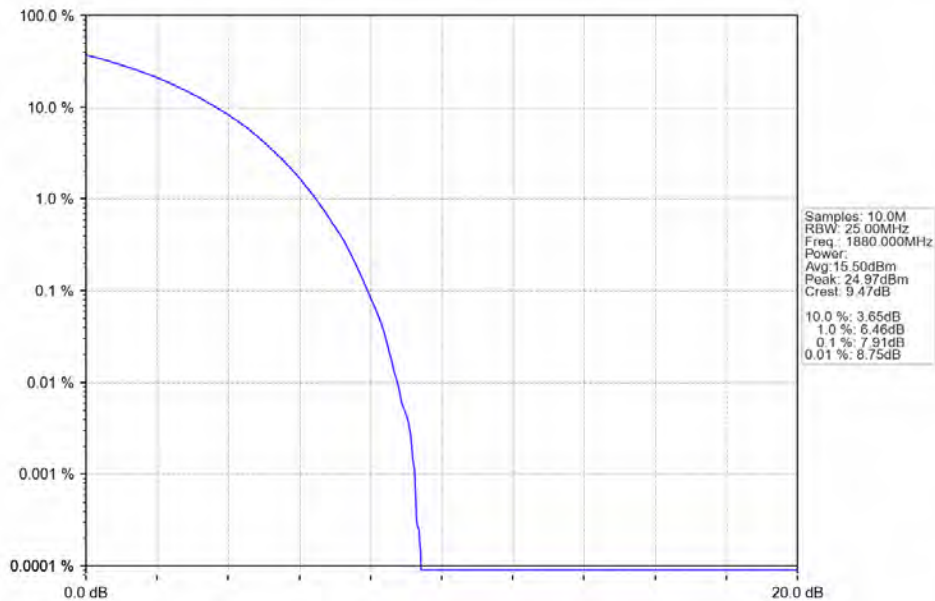
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n2 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 1860MHz Outer Full



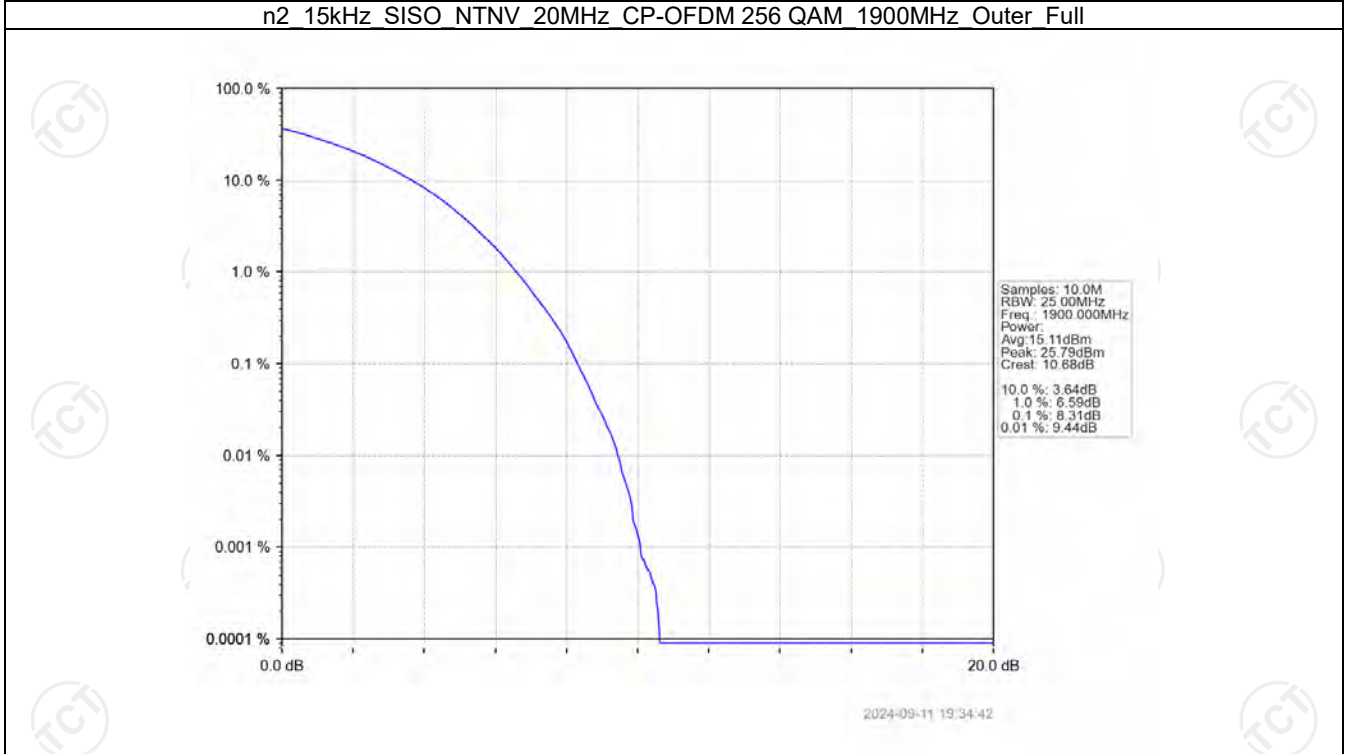
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n2 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 1880MHz Outer Full

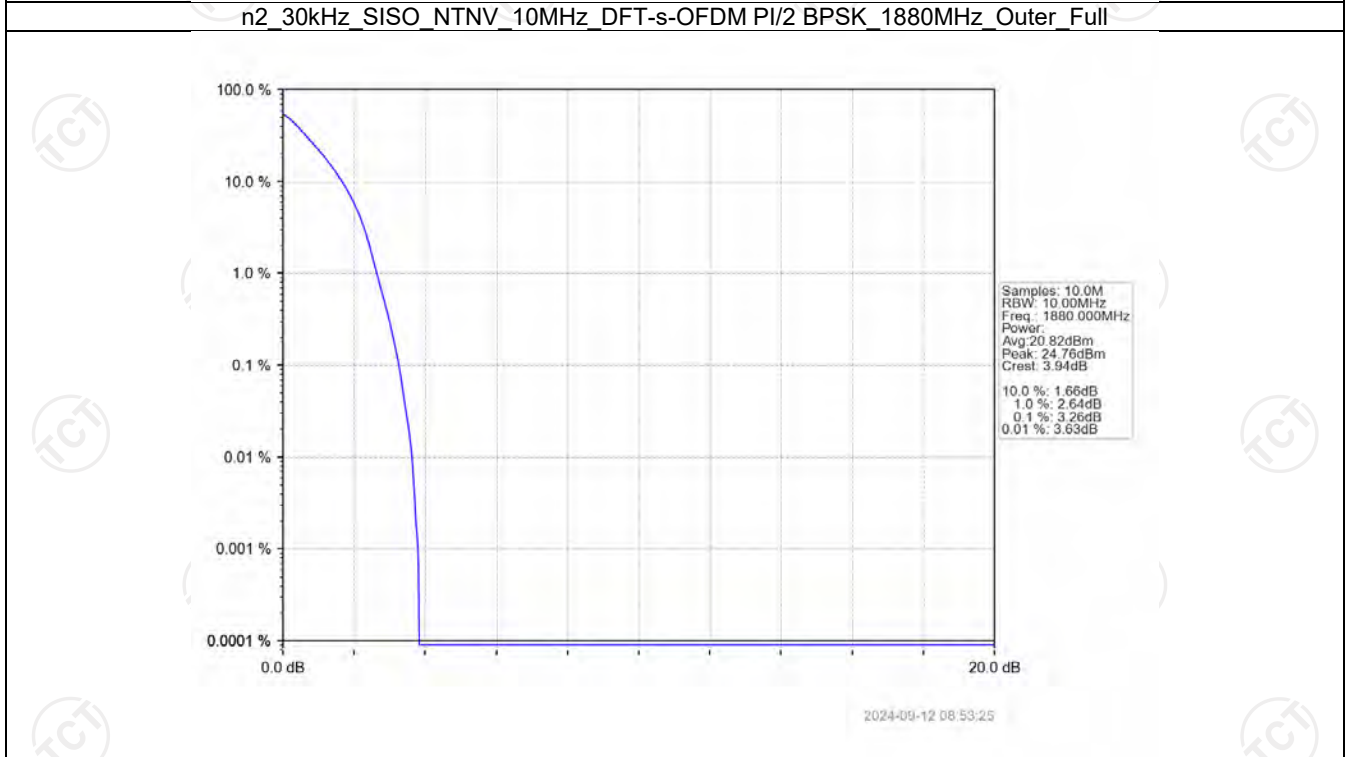
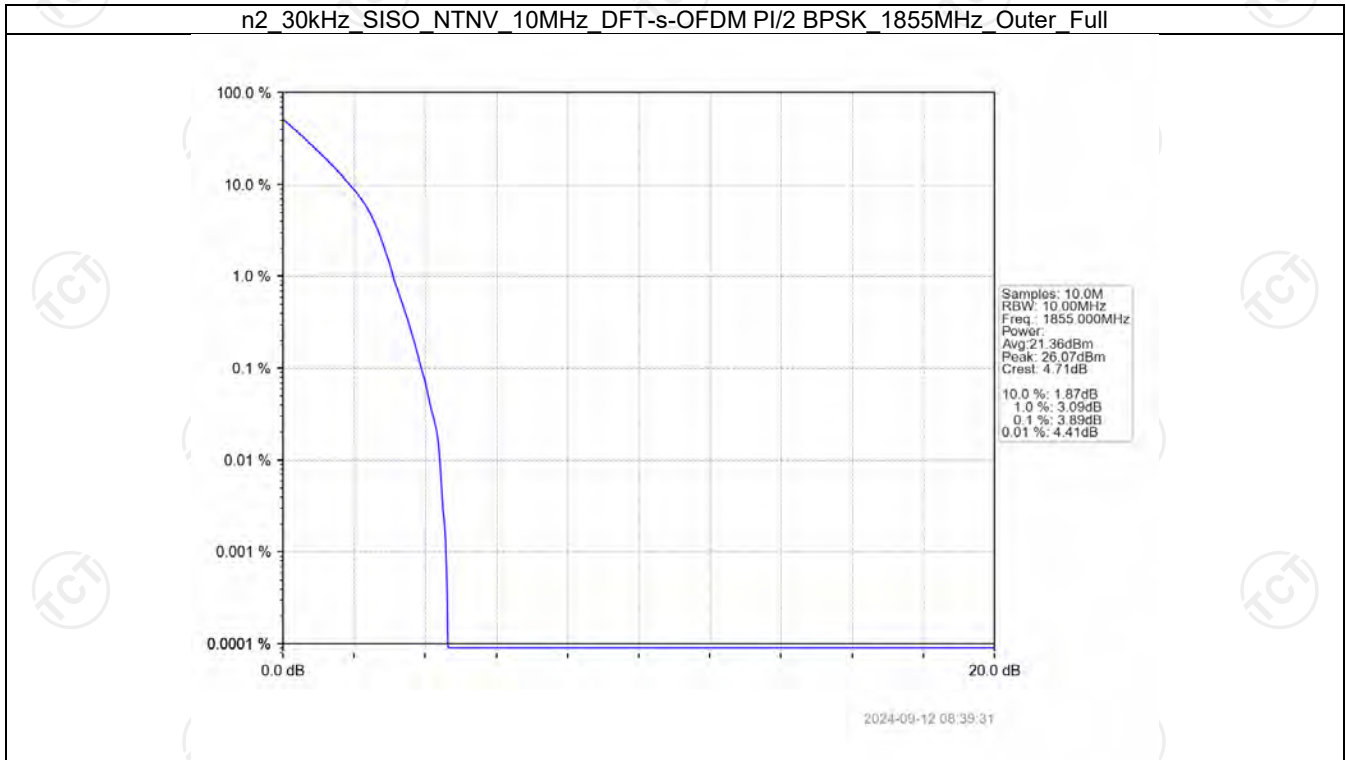


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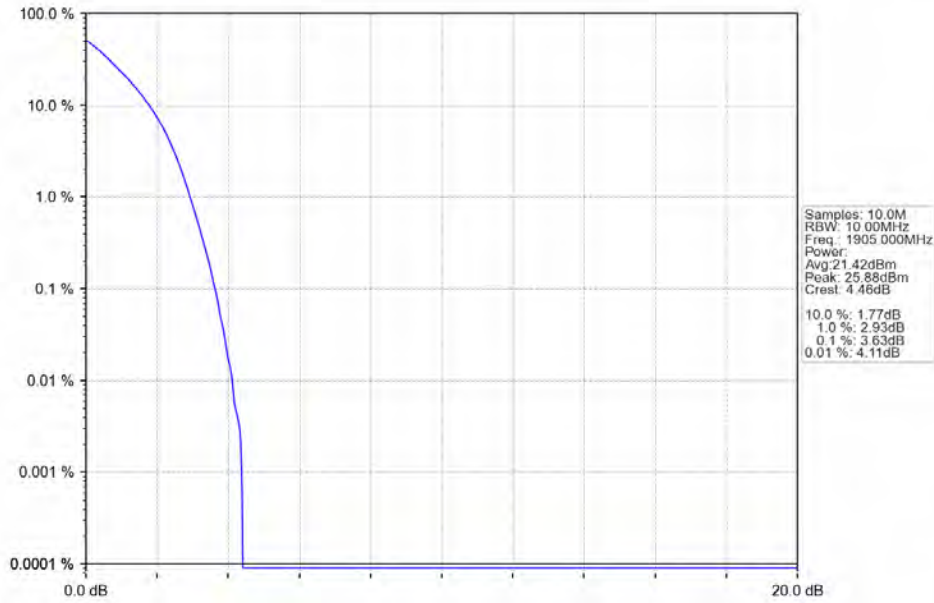
n2 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 1900MHz Outer Full



5.2.5 30k\_SISO\_10MHz\_NTNV

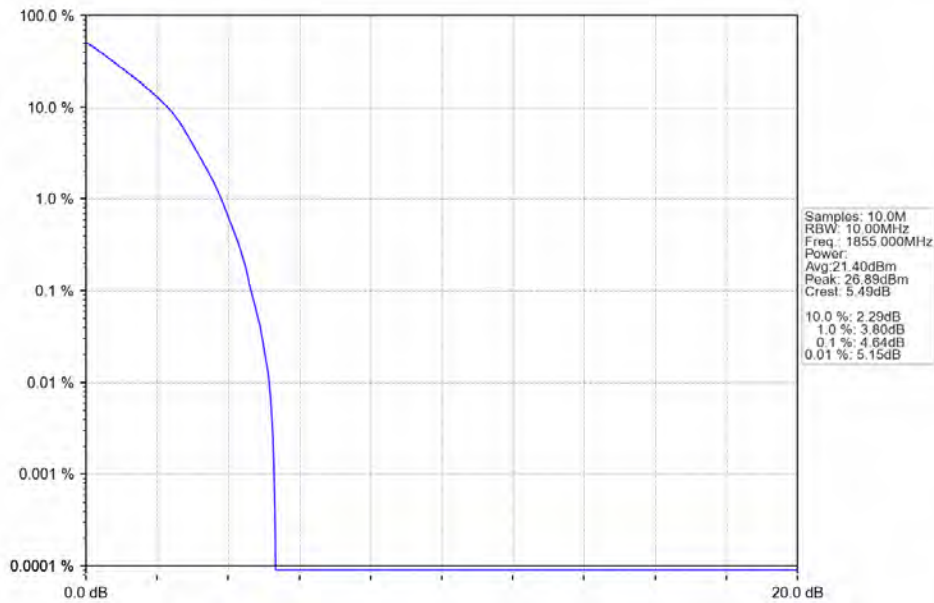


n2 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 1905MHz Outer Full



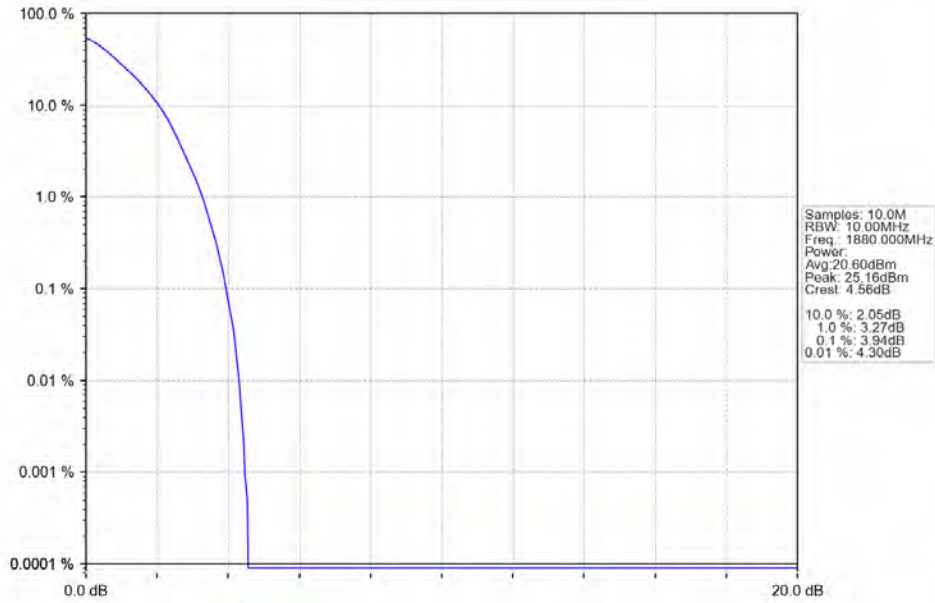
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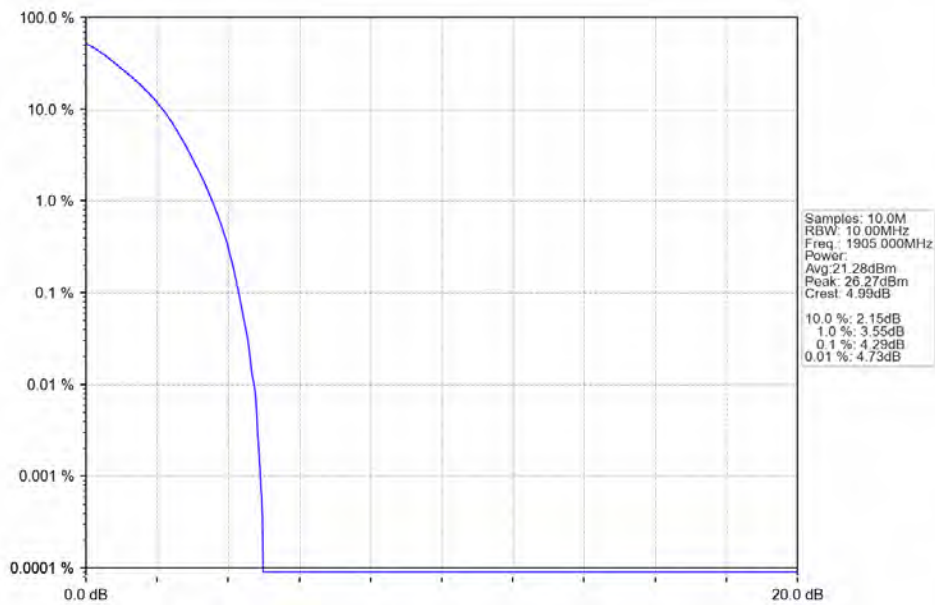
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n2 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 1880MHz Outer Full



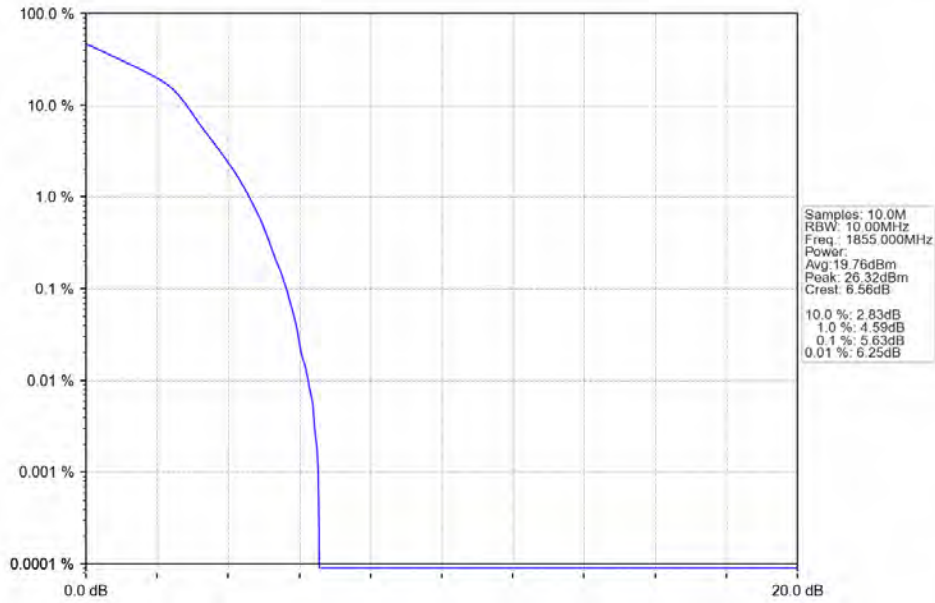
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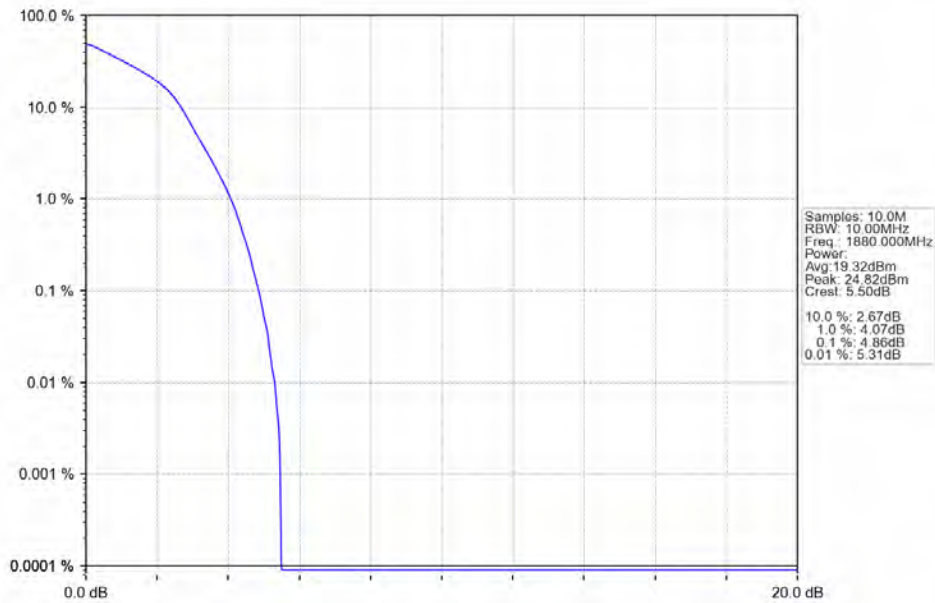
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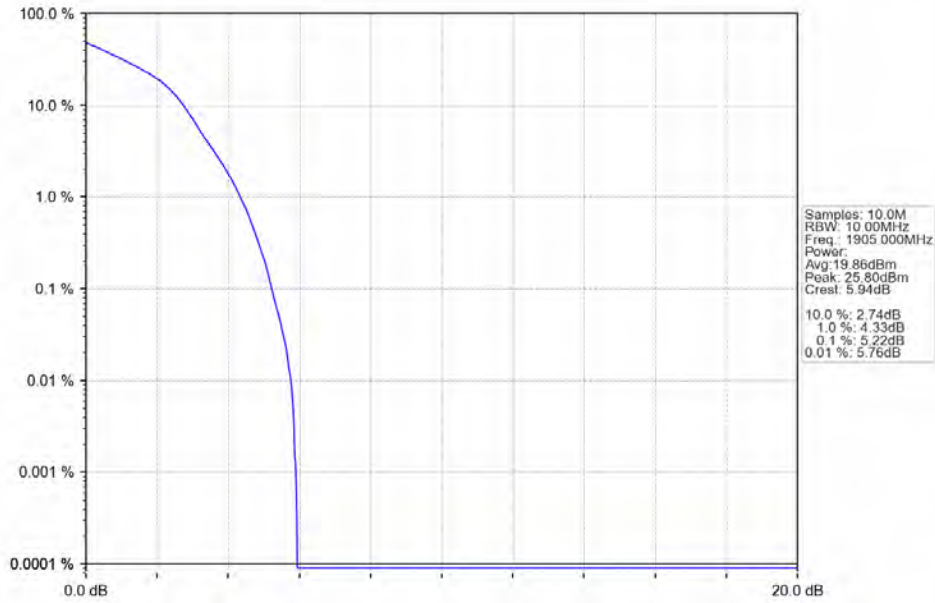
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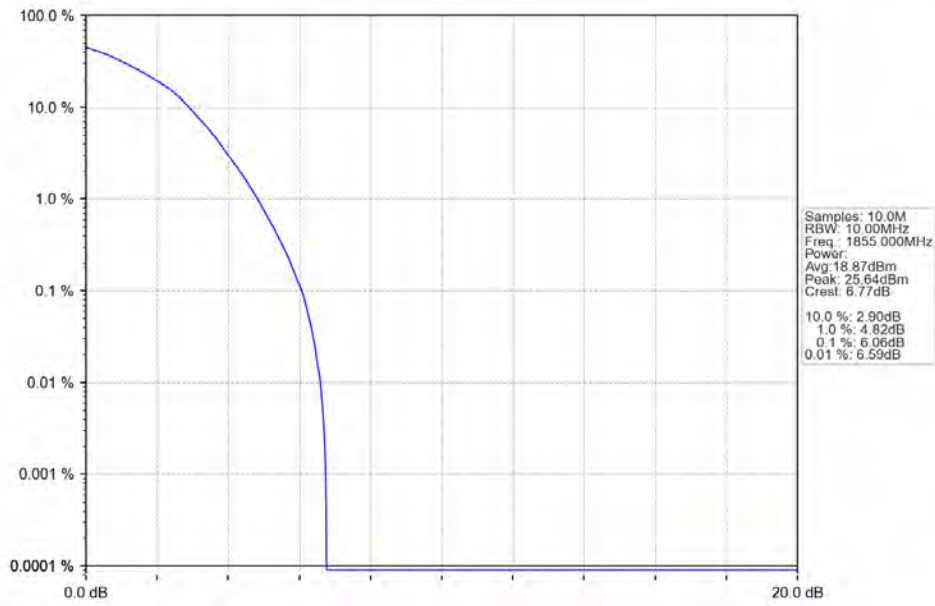
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2024-09-12 09:12:28

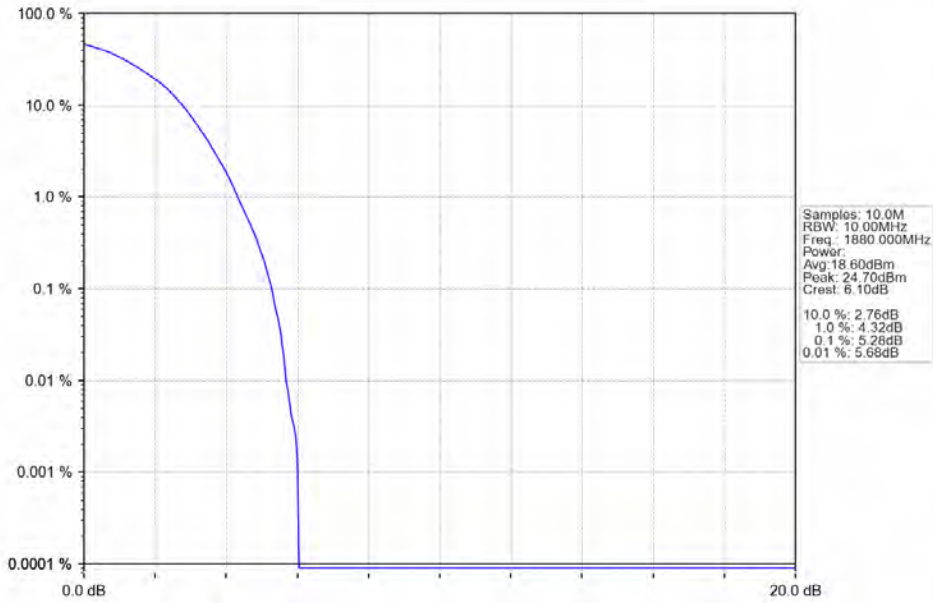
n2 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 1855MHz Outer Full



2024-09-12 08:45:08

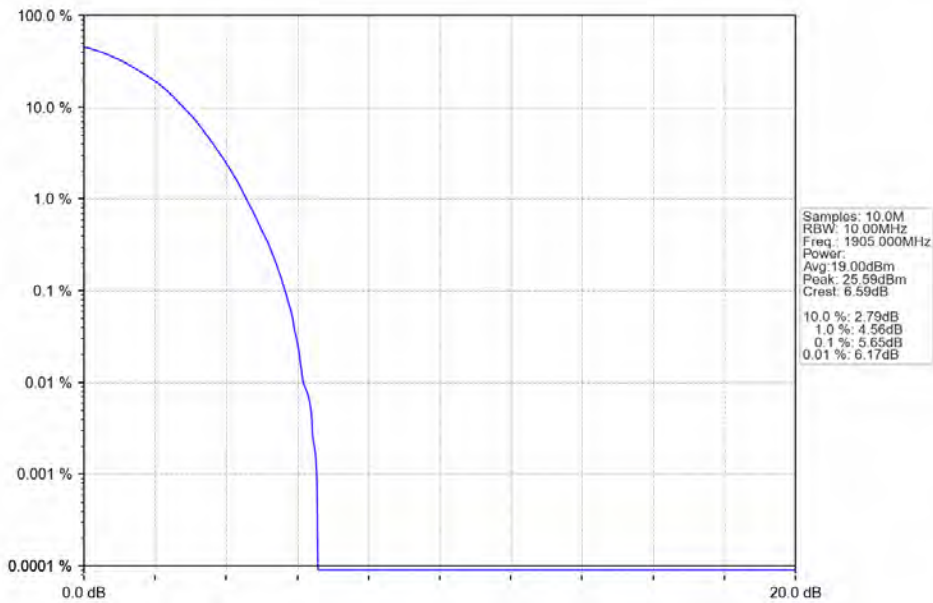


n2 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 1880MHz Outer Full



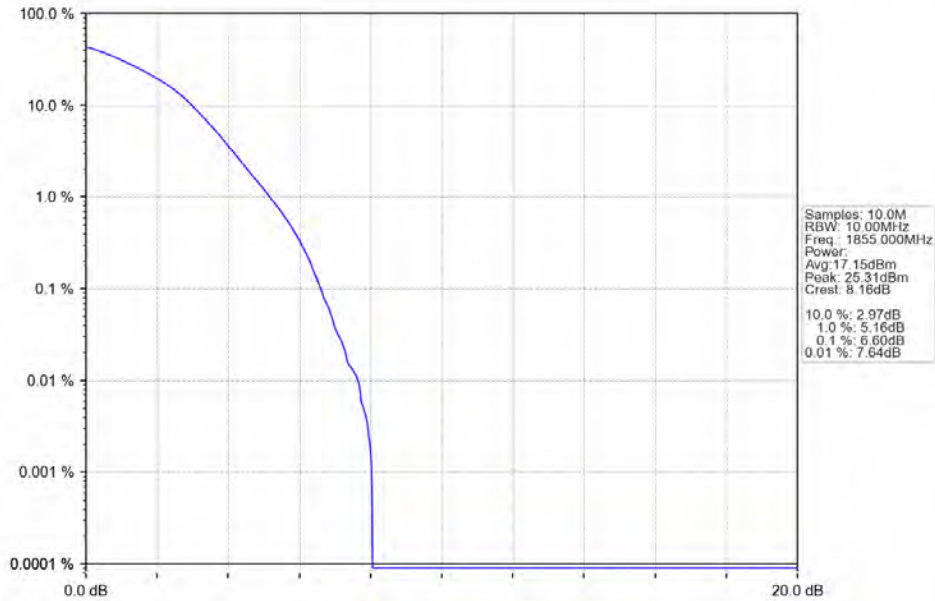
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n2 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 1905MHz Outer Full



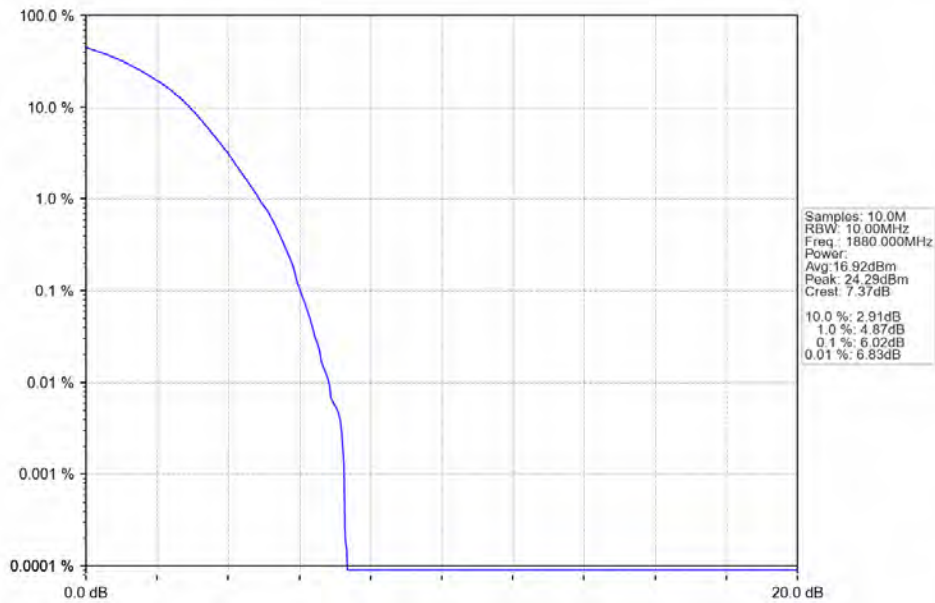
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n2 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 1855MHz Outer Full



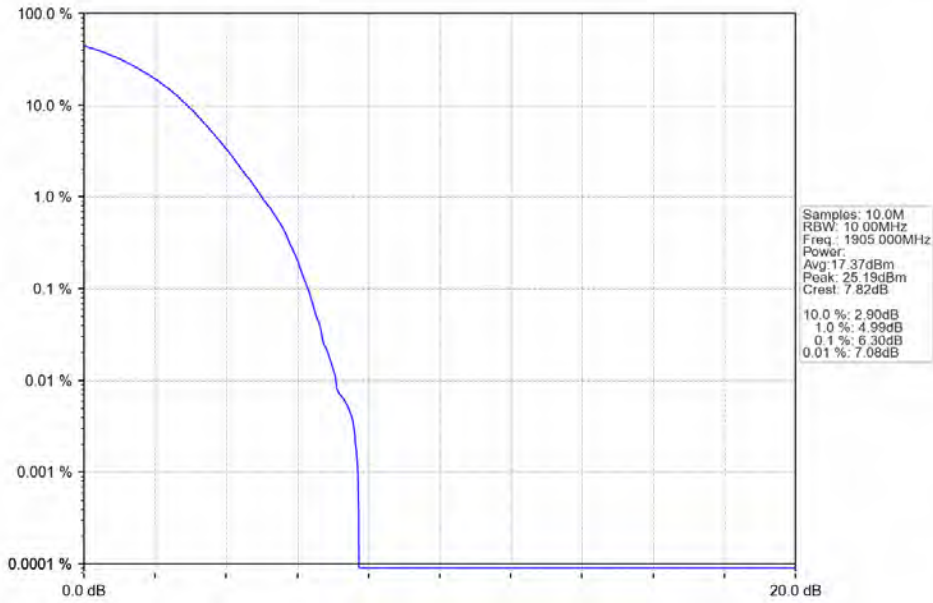
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n2 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 1880MHz Outer Full



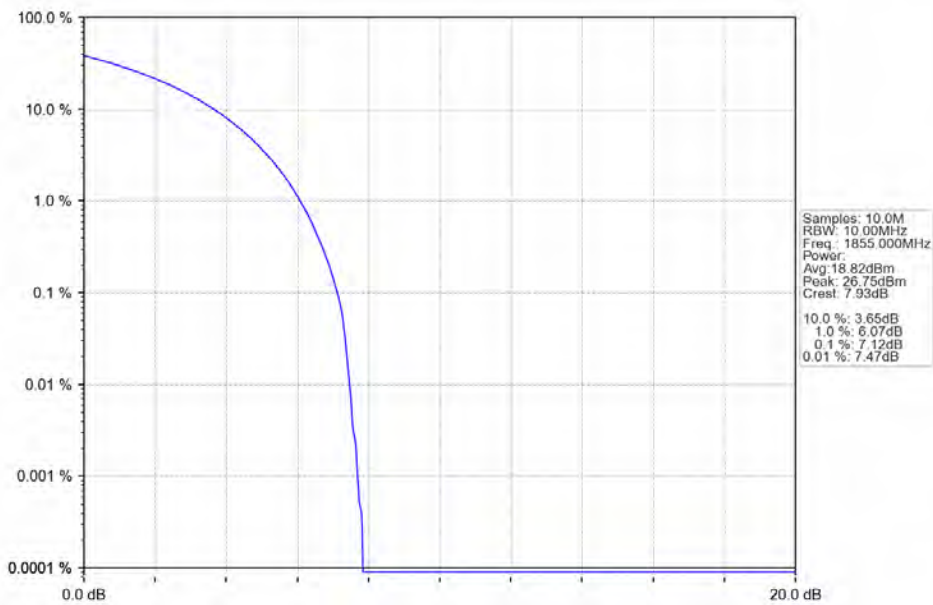
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n2 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 1905MHz Outer Full



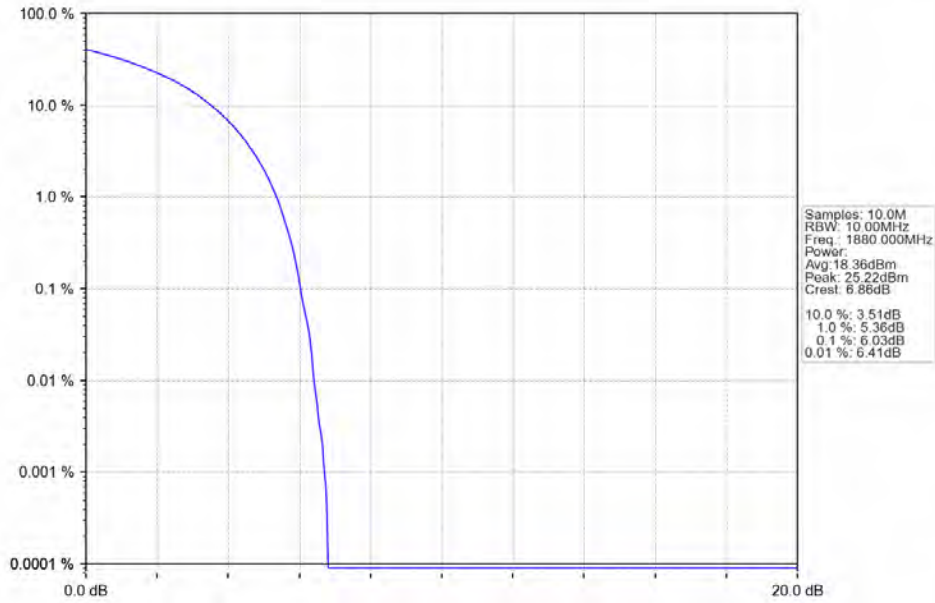
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n2 30kHz SISO NTN 10MHz CP-OFDM QPSK 1855MHz Outer Full



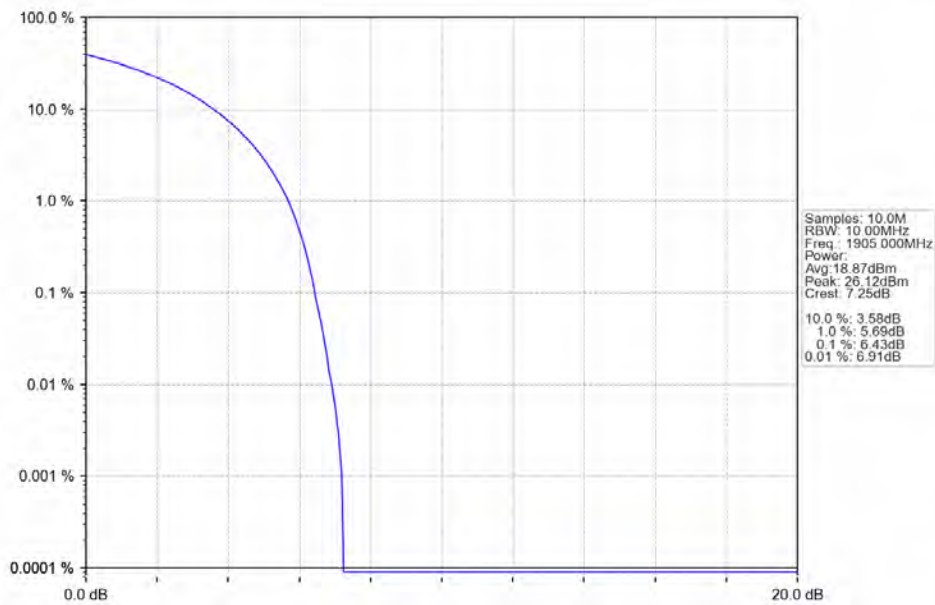
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n2 30kHz SISO NTV 10MHz CP-OFDM QPSK 1880MHz Outer Full



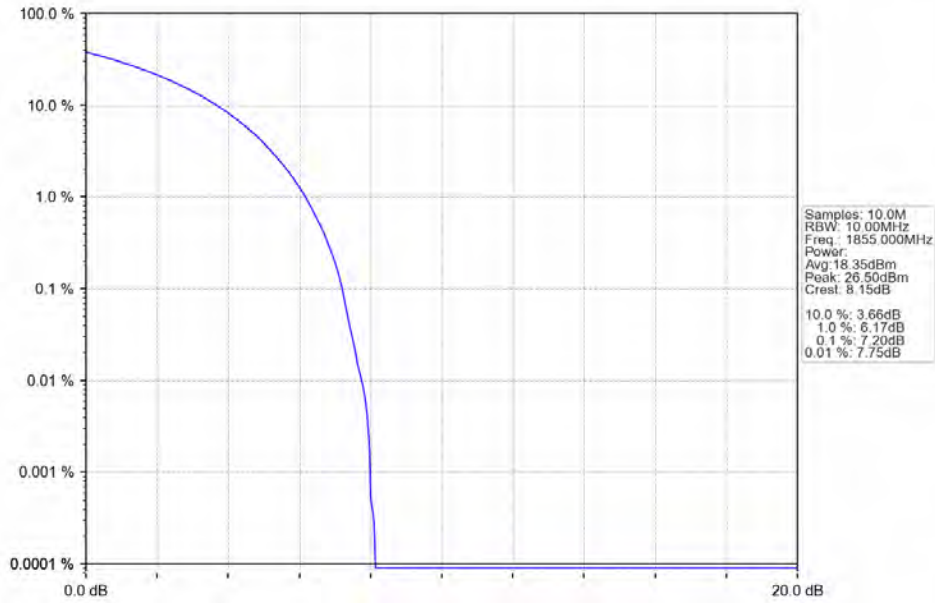
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n2 30kHz SISO NTV 10MHz CP-OFDM QPSK 1905MHz Outer Full



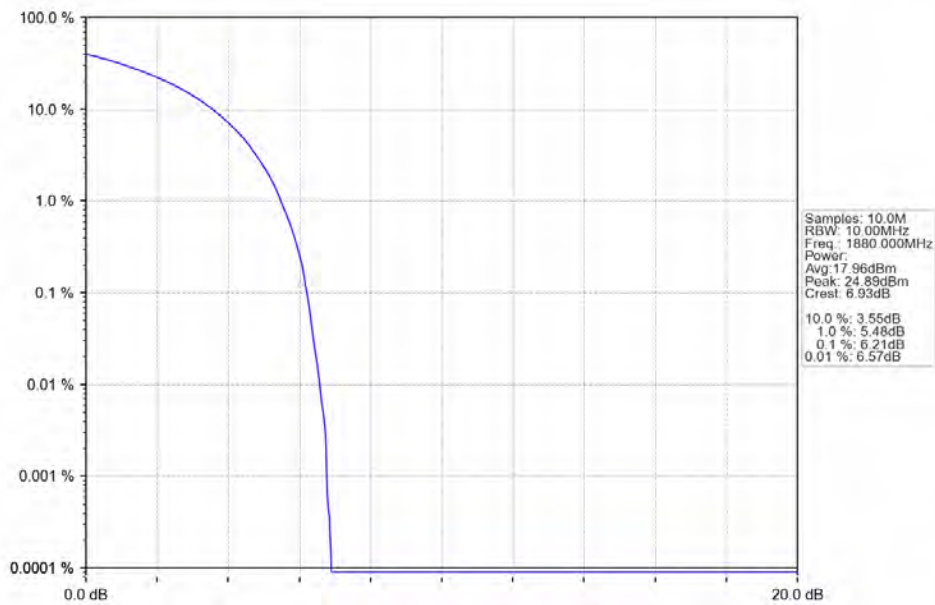
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n2 30kHz SISO NTV 10MHz CP-OFDM 16 QAM 1855MHz Outer Full



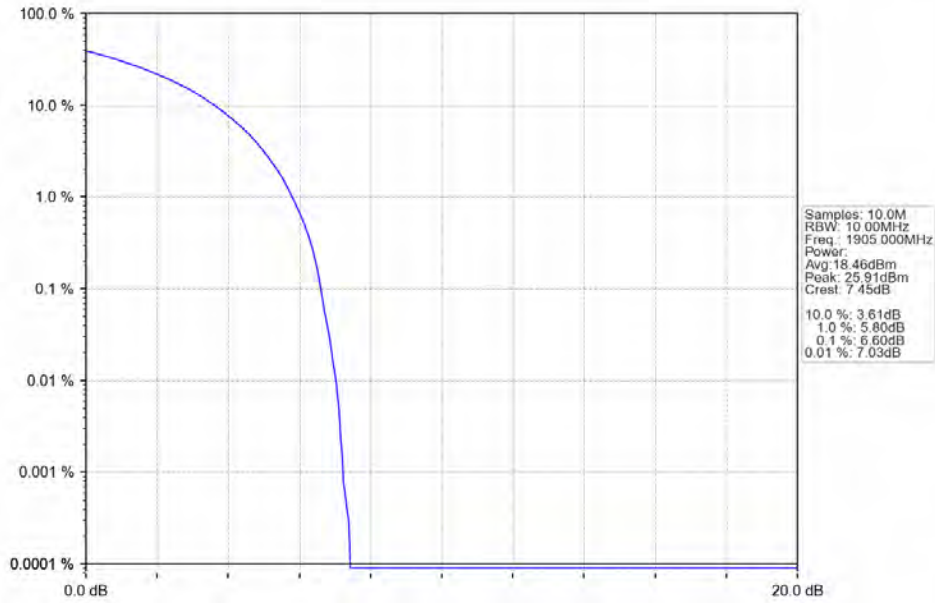
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n2 30kHz SISO NTV 10MHz CP-OFDM 16 QAM 1880MHz Outer Full



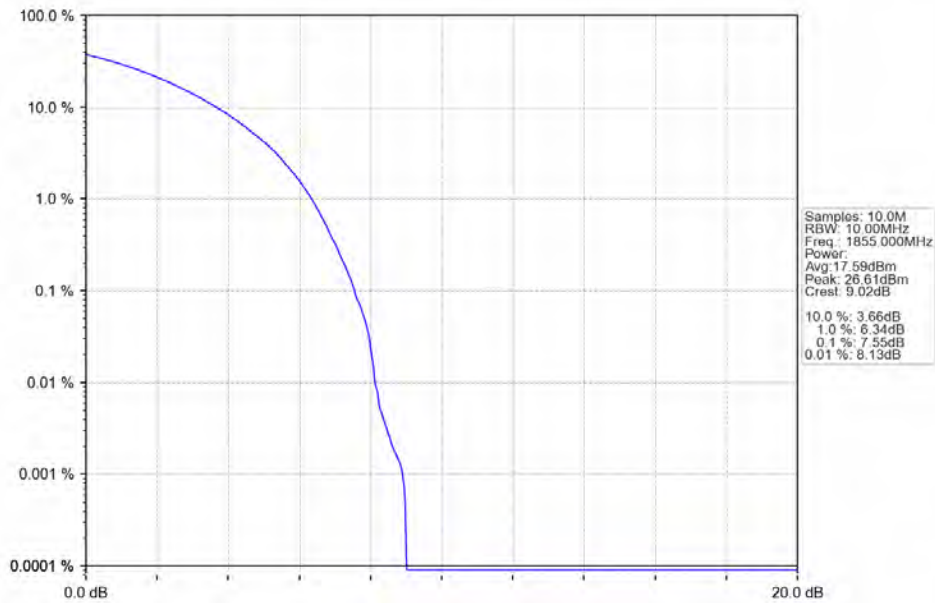
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n2 30kHz SISO NTV 10MHz CP-OFDM 16 QAM 1905MHz Outer Full



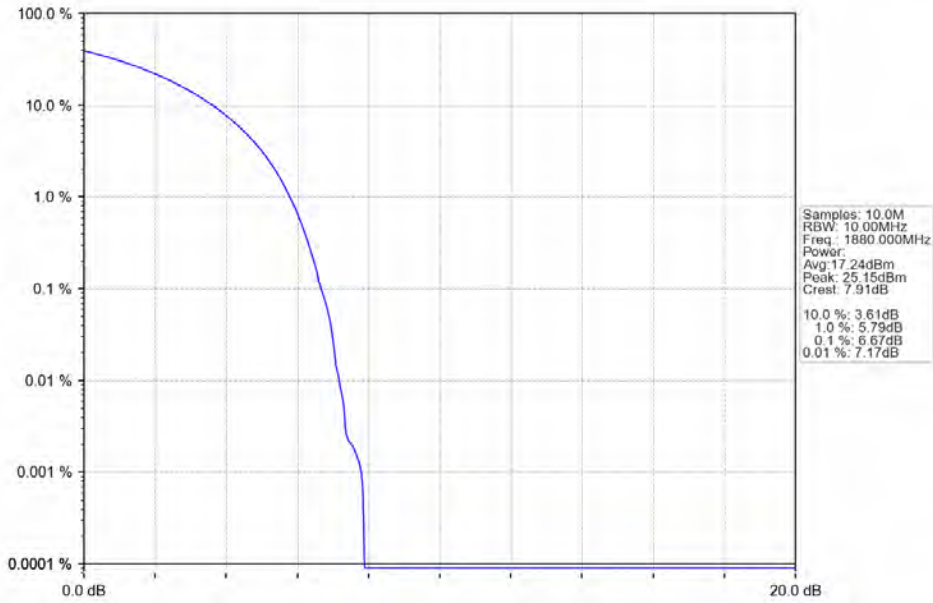
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n2 30kHz SISO NTV 10MHz CP-OFDM 64 QAM 1855MHz Outer Full



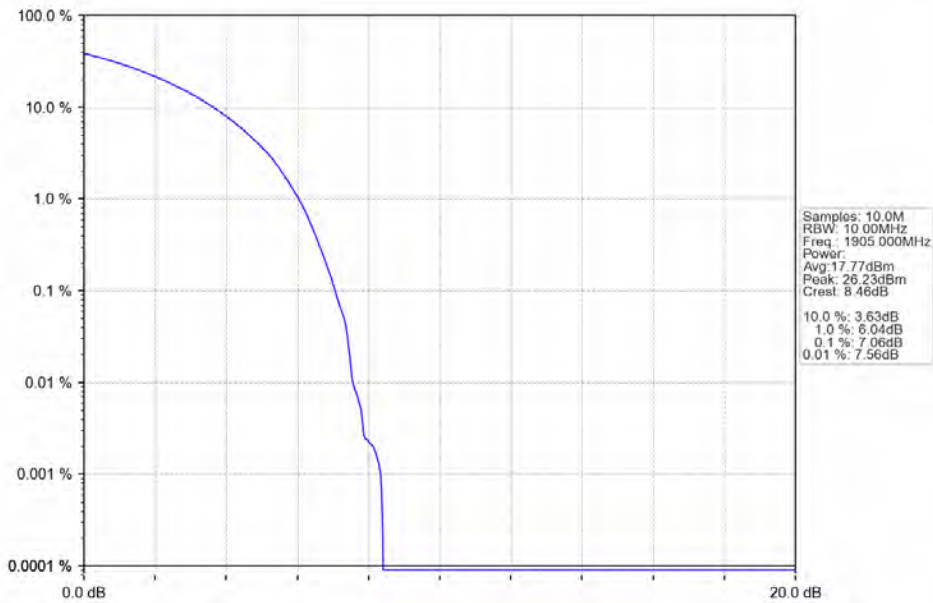
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n2 30kHz SISO NTV 10MHz CP-OFDM 64 QAM 1880MHz Outer Full



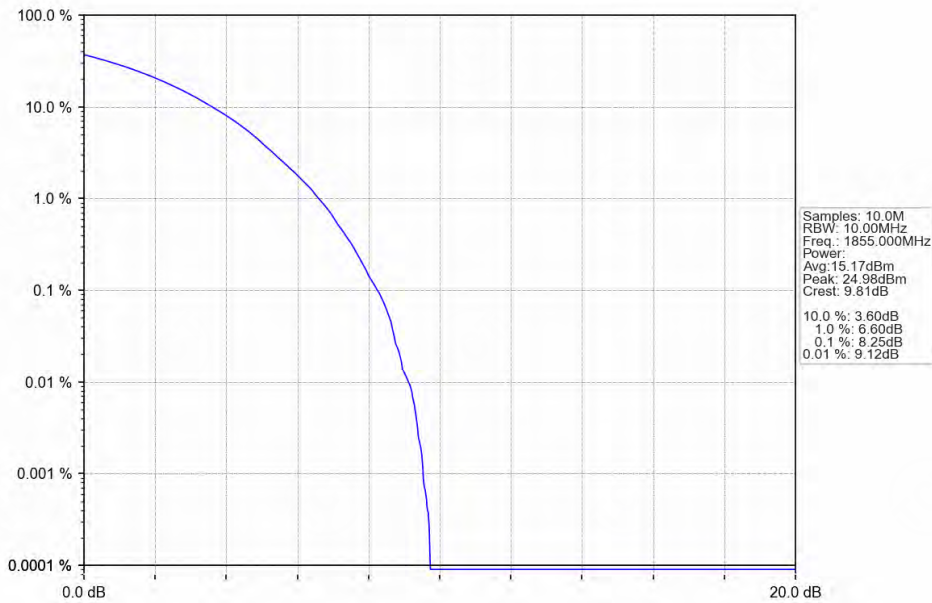
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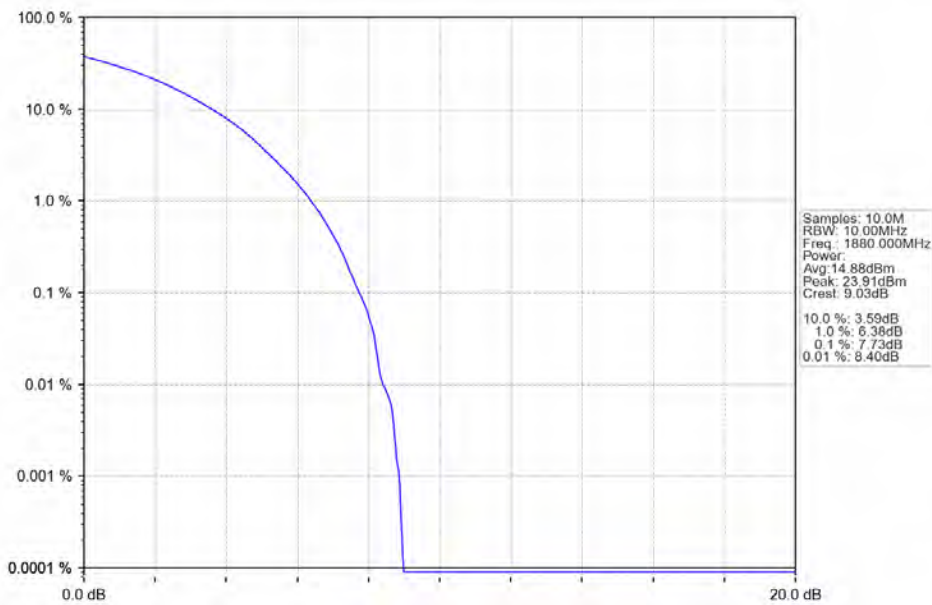
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n2 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 1855MHz Outer Full



2024-09-12 08:49:36

n2 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 1880MHz Outer Full



2024-09-12 09:05:07



n2 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 1905MHz Outer Full

