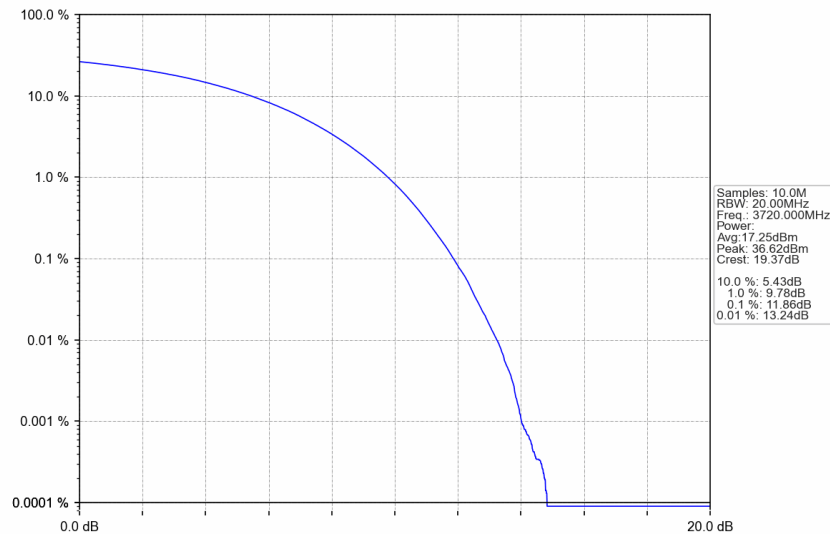


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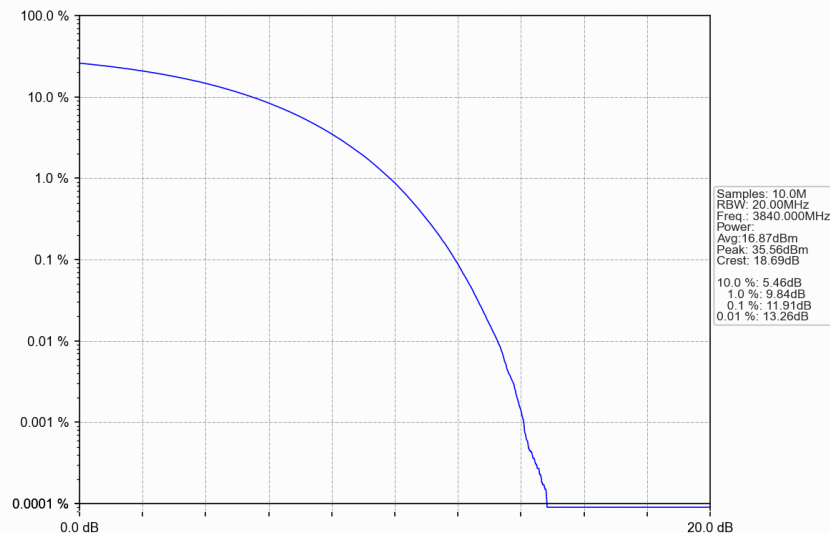
Rev.: 01

Page: 508 of 1239

n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_3720MHz_Outer_Full



n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_3840MHz_Outer_Full



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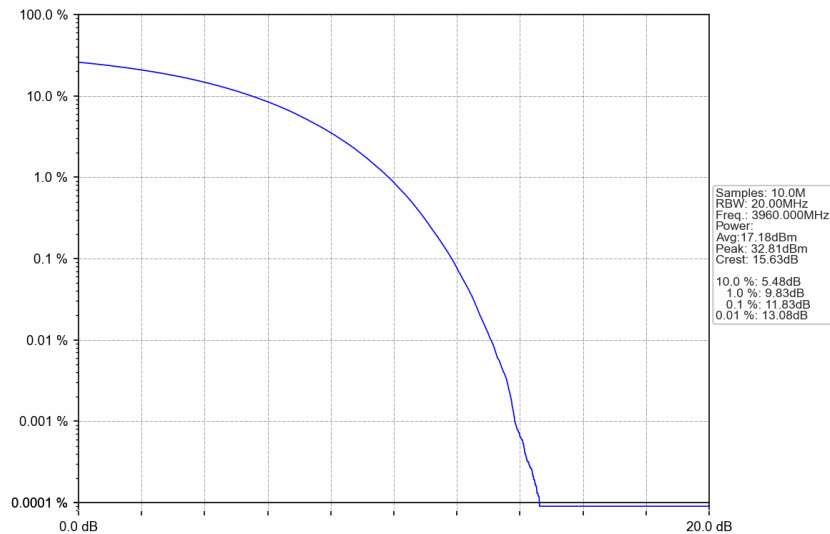


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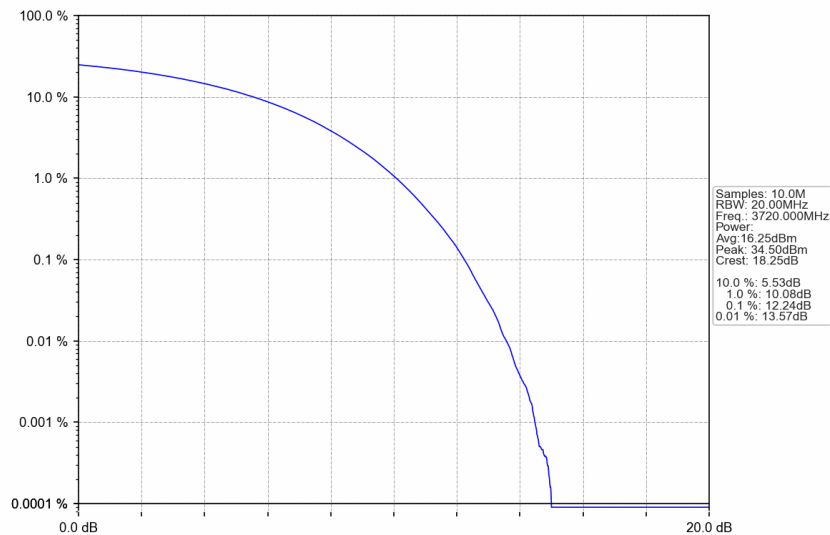
Rev.: 01

Page: 509 of 1239

n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3960MHz_Outer_Full



n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3720MHz_Outer_Full



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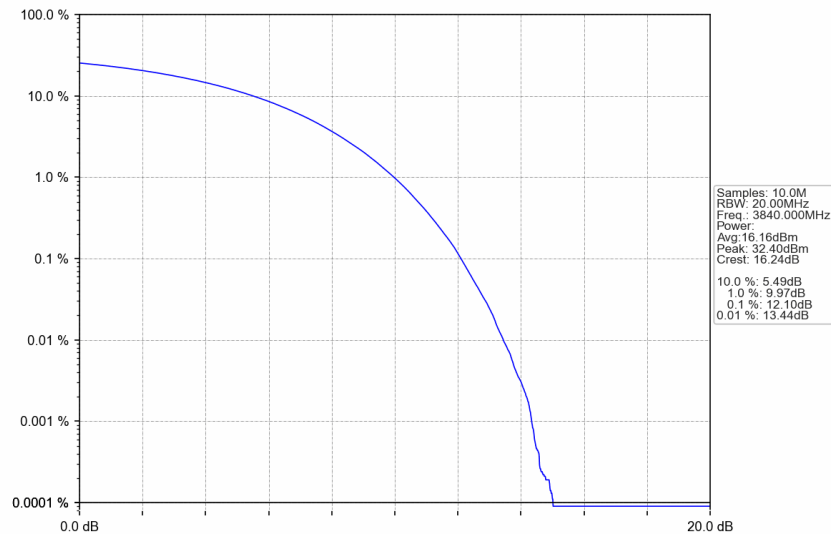


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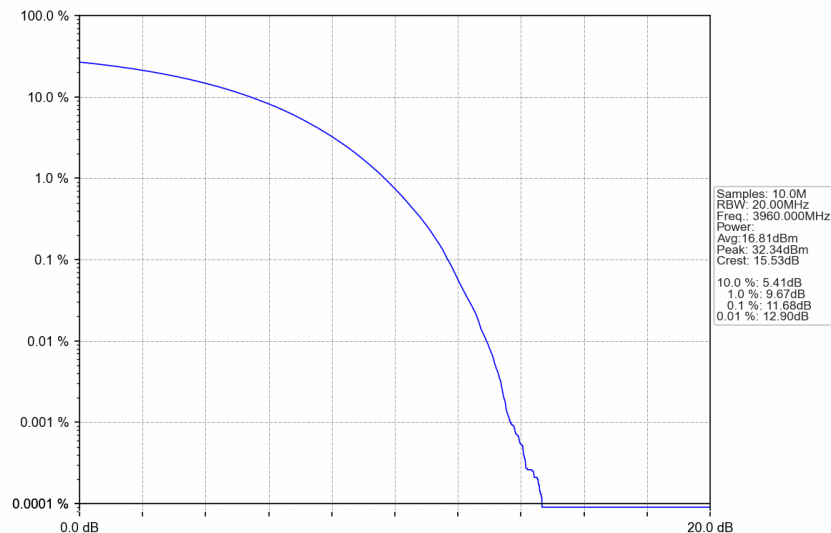
Rev.: 01

Page: 510 of 1239

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n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM_64_QAM_3960MHz_Outer_Full



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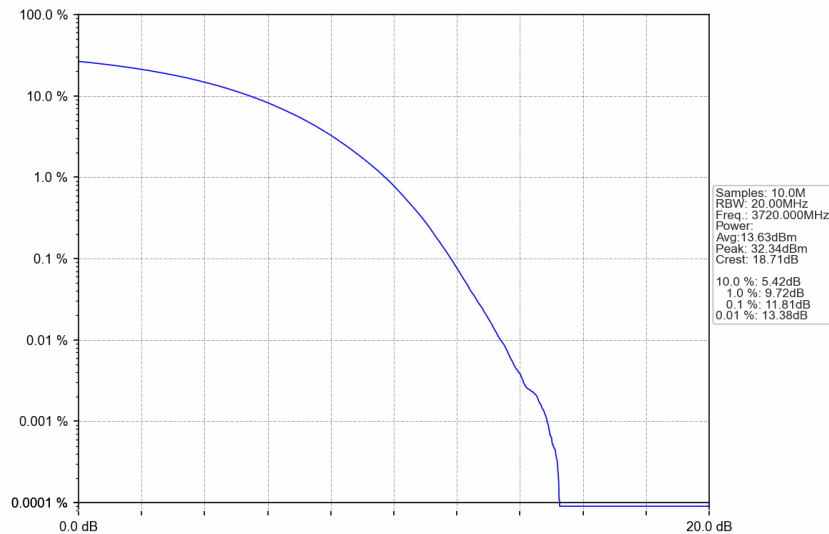
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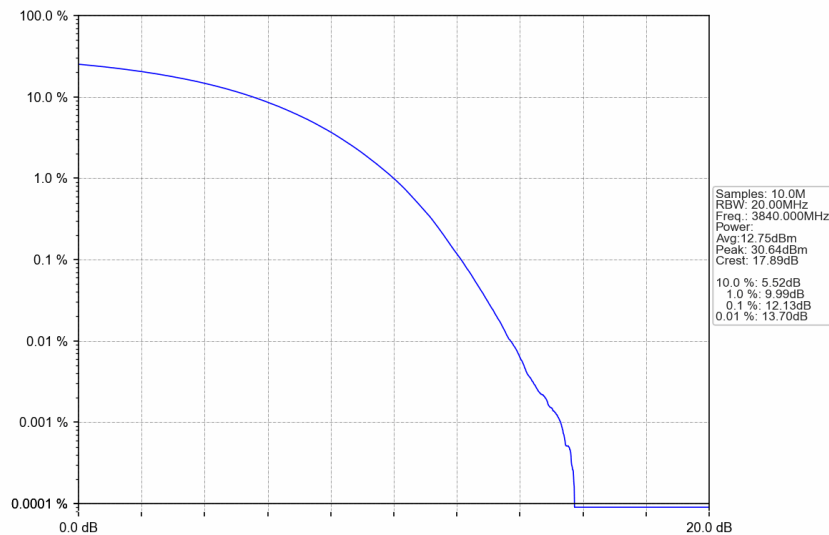
Rev.: 01

Page: 511 of 1239

n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3720MHz_Outer_Full



n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full



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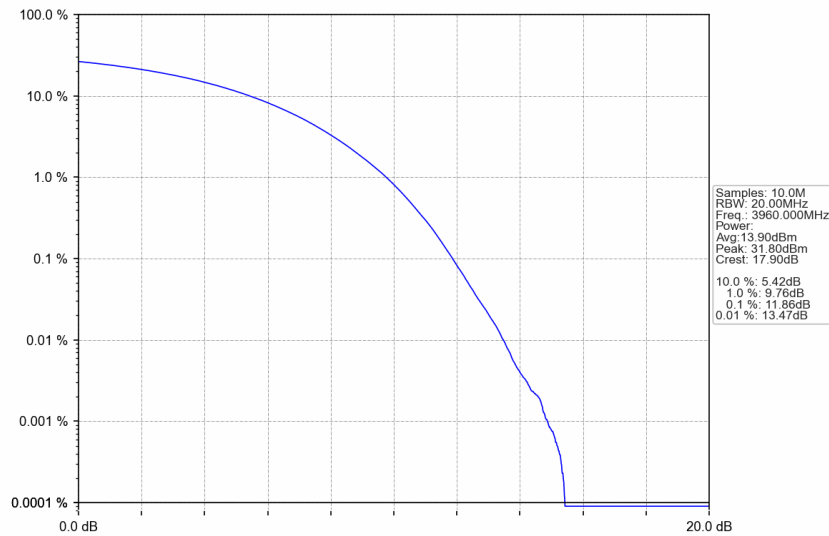
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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 512 of 1239

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5.7 15k_SISO_50MHz_NTNV

5.7.1 Test Result

5G NR n77a SCS=15kHz SISO 50MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3725.01	Outer_Full	9.13	/	/	<=13	Pass
	3840	Outer_Full	8.41	/	/	<=13	Pass
	3954.99	Outer_Full	8.69	/	/	<=13	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	10.15	/	/	<=13	Pass
	3840	Outer_Full	9.87	/	/	<=13	Pass
	3954.99	Outer_Full	9.76	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	10.93	/	/	<=13	Pass
	3840	Outer_Full	11.09	/	/	<=13	Pass
	3954.99	Outer_Full	10.61	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	11.29	/	/	<=13	Pass
	3840	Outer_Full	10.61	/	/	<=13	Pass
	3954.99	Outer_Full	11.09	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	10.81	/	/	<=13	Pass
	3840	Outer_Full	9.96	/	/	<=13	Pass
	3954.99	Outer_Full	10.98	/	/	<=13	Pass
CP-OFDM QPSK	3725.01	Outer_Full	11.88	/	/	<=13	Pass
	3840	Outer_Full	11.82	/	/	<=13	Pass
	3954.99	Outer_Full	12.17	/	/	<=13	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	11.79	/	/	<=13	Pass
	3840	Outer_Full	11.76	/	/	<=13	Pass
	3954.99	Outer_Full	11.91	/	/	<=13	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	11.80	/	/	<=13	Pass
	3840	Outer_Full	11.70	/	/	<=13	Pass
	3954.99	Outer_Full	12.12	/	/	<=13	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	12.11	/	/	<=13	Pass
	3840	Outer_Full	12.23	/	/	<=13	Pass
	3954.99	Outer_Full	11.75	/	/	<=13	Pass



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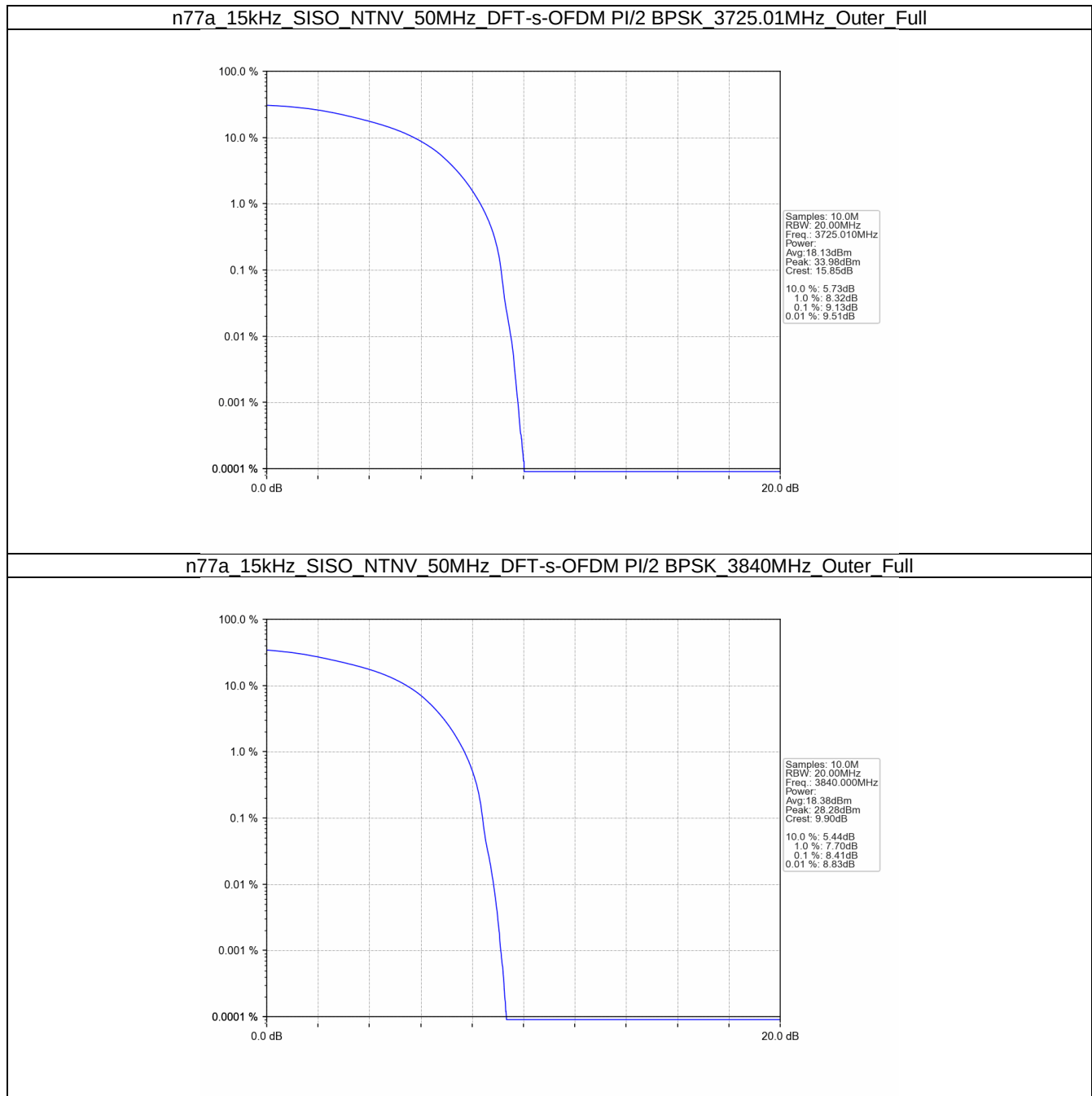
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Rev.: 01

Page: 514 of 1239

5.7.2 Test Graph



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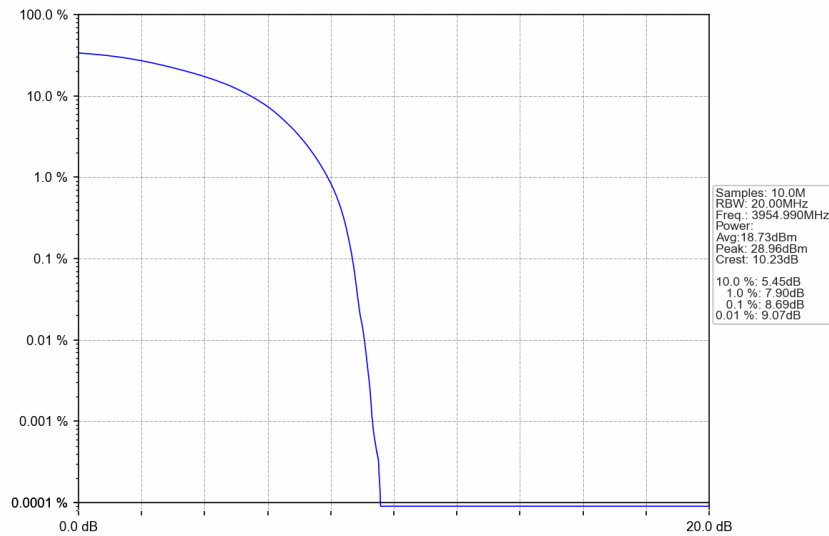
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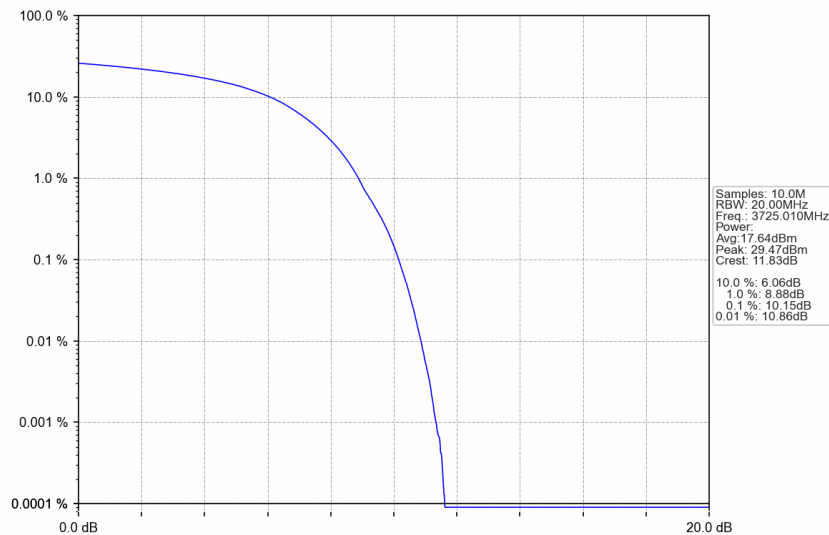
Rev.: 01

Page: 515 of 1239

n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3954.99MHz_Outer_Full



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3725.01MHz_Outer_Full



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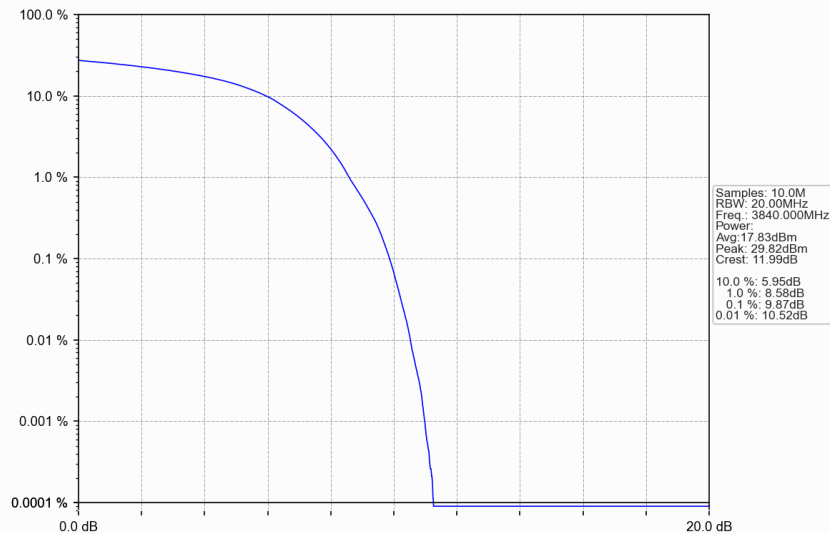


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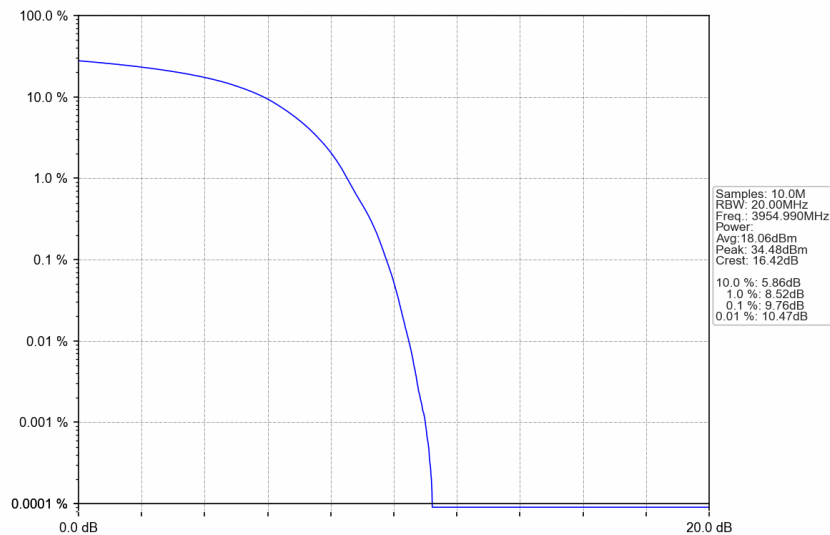
Rev.: 01

Page: 516 of 1239

n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3954.99MHz_Outer_Full



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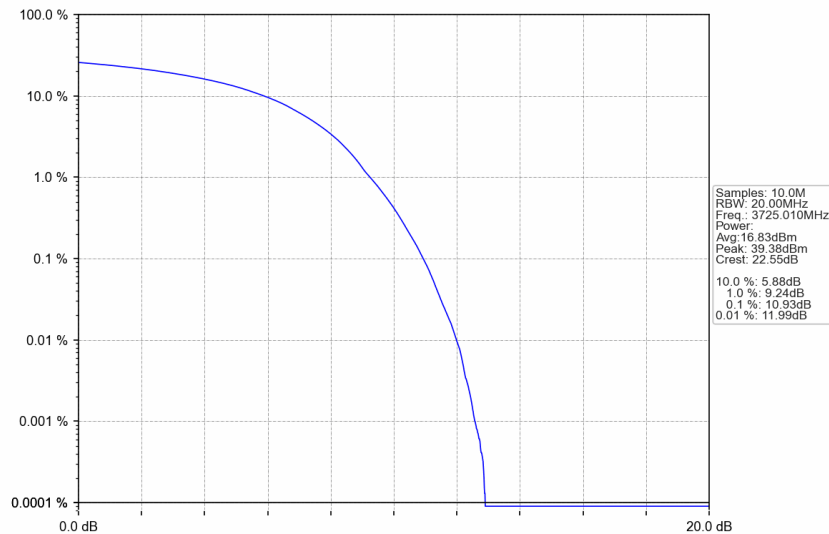
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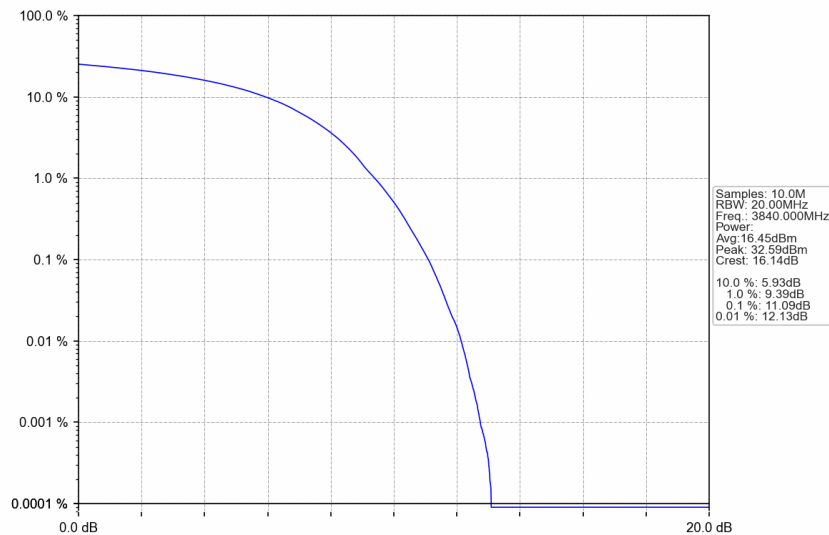
Rev.: 01

Page: 517 of 1239

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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3840MHz_Outer_Full



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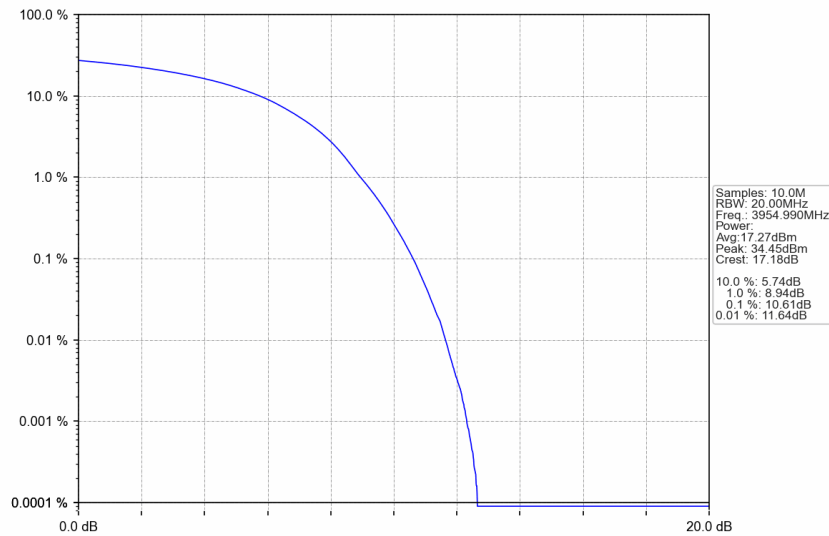
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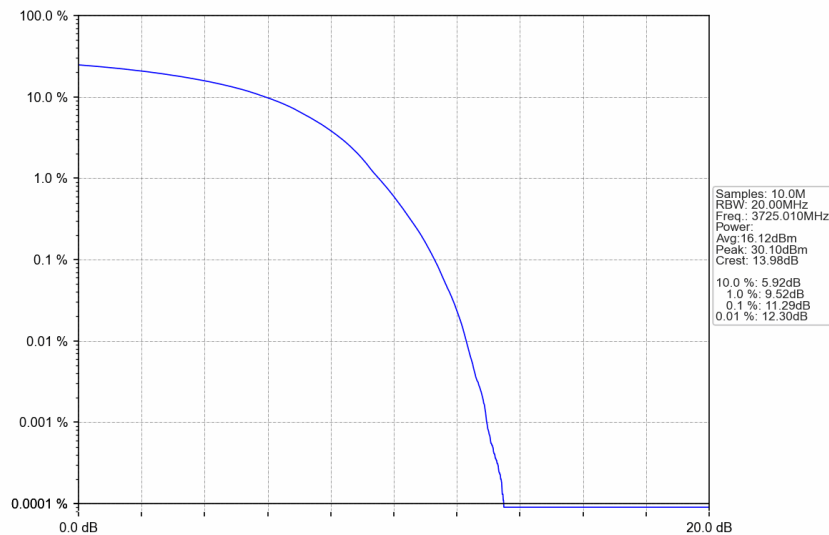
Rev.: 01

Page: 518 of 1239

n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3954.99MHz_Outer_Full



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3725.01MHz_Outer_Full



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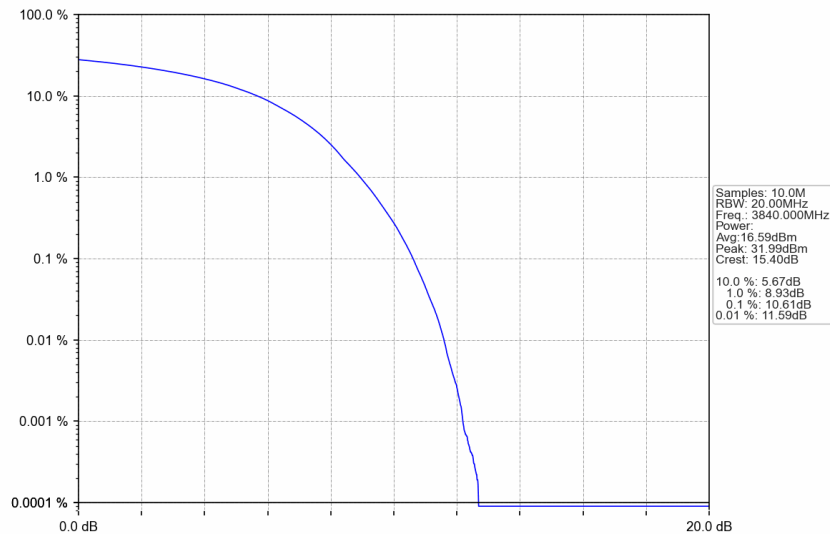


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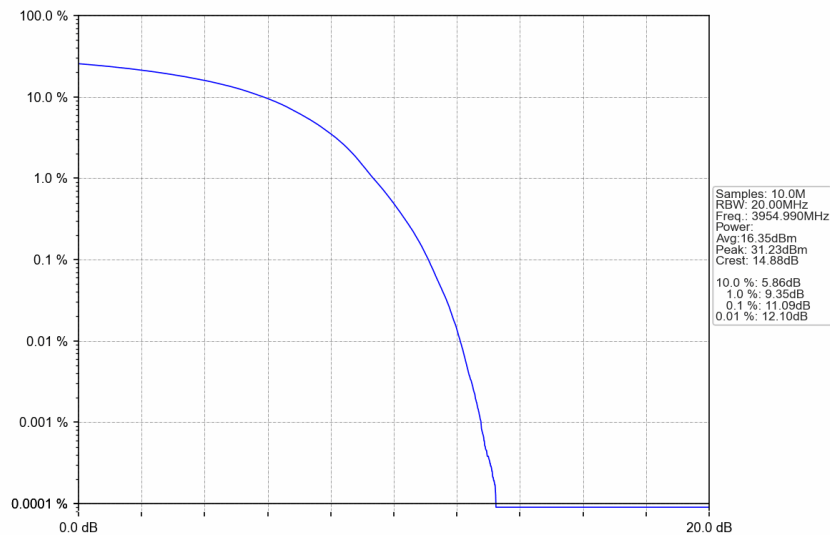
Rev.: 01

Page: 519 of 1239

n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3840MHz_Outer_Full



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3954.99MHz_Outer_Full



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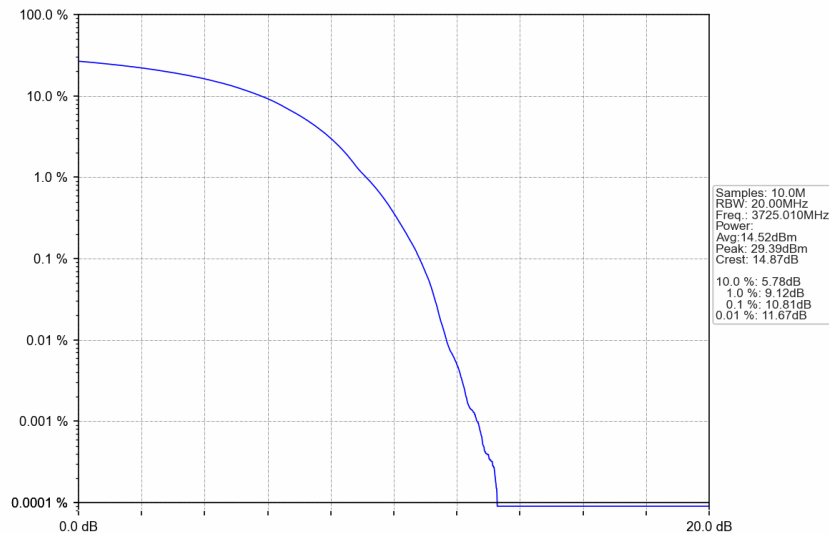
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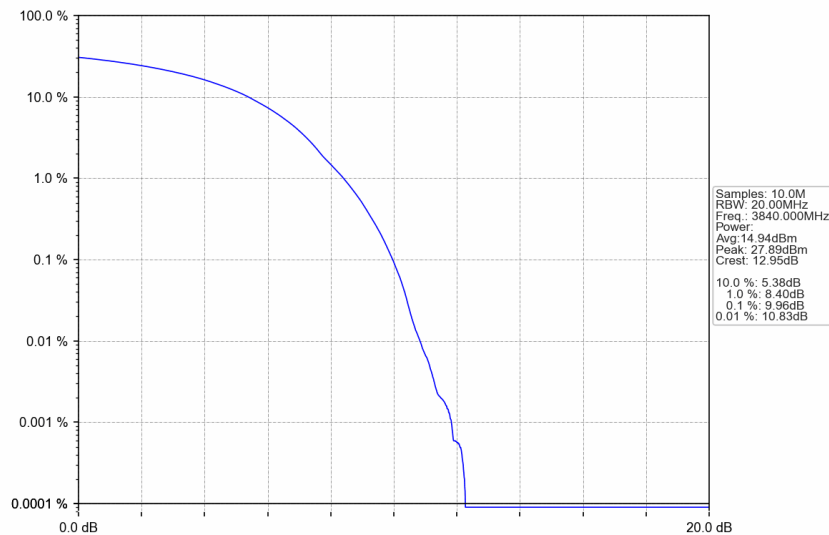
Rev.: 01

Page: 520 of 1239

n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3725.01MHz_Outer_Full



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3840MHz_Outer_Full



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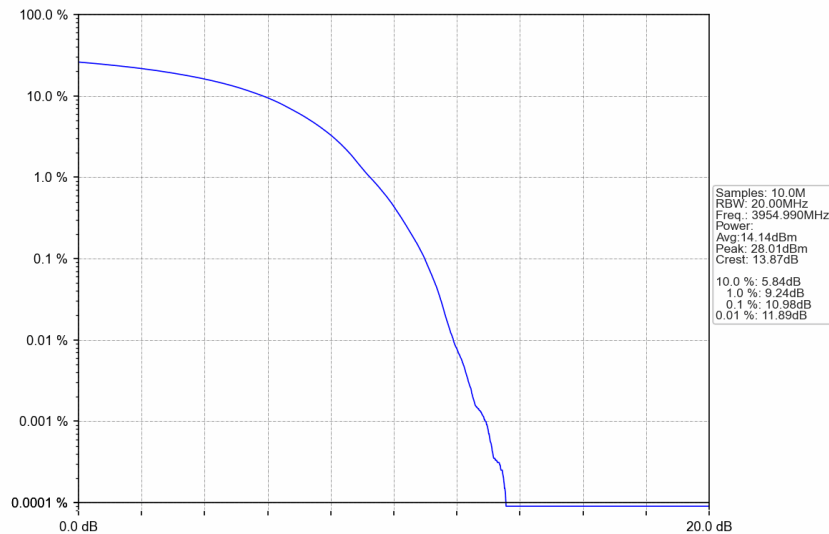
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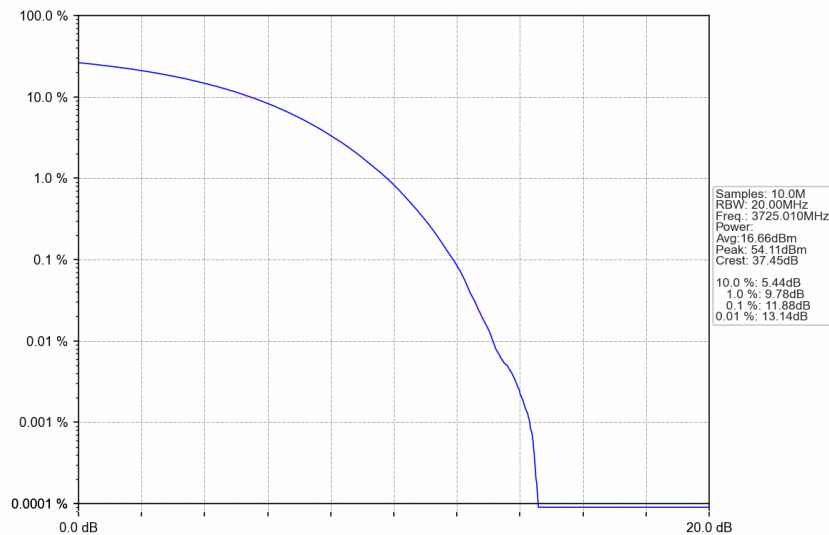
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Page: 521 of 1239

n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3954.99MHz_Outer_Full



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3725.01MHz_Outer_Full



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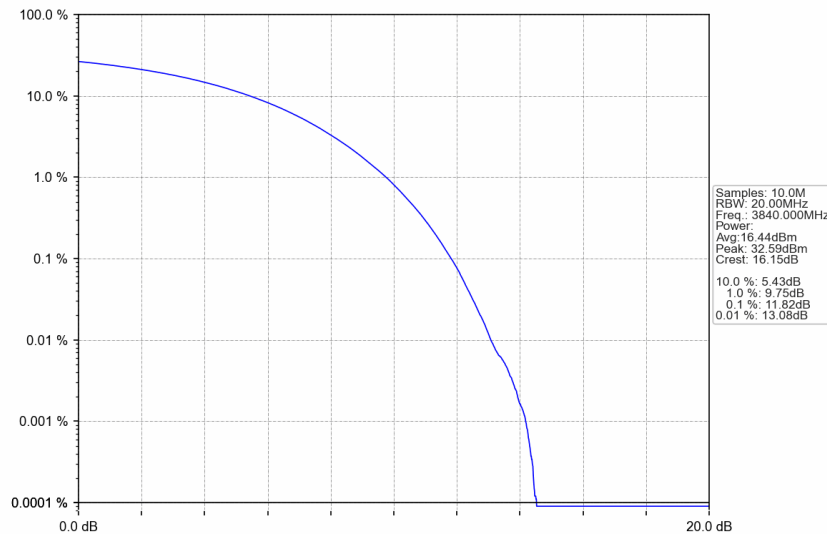
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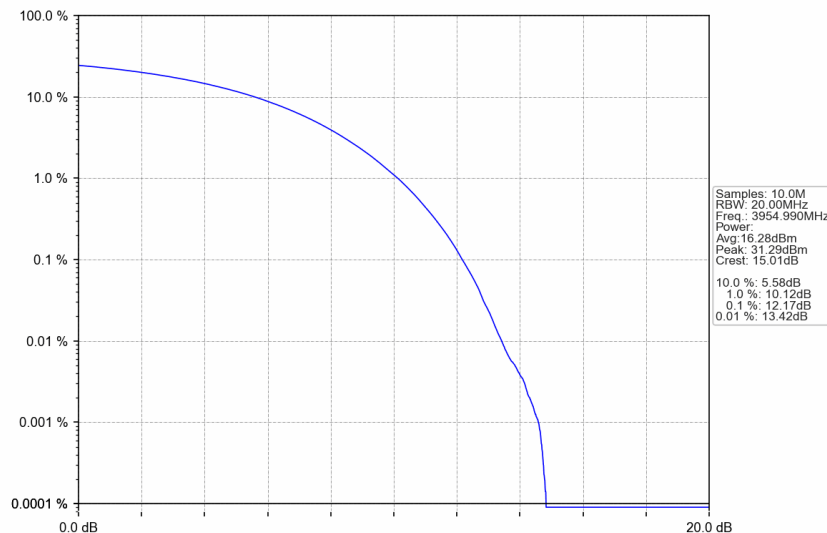
Rev.: 01

Page: 522 of 1239

n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3840MHz_Outer_Full



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3954.99MHz_Outer_Full



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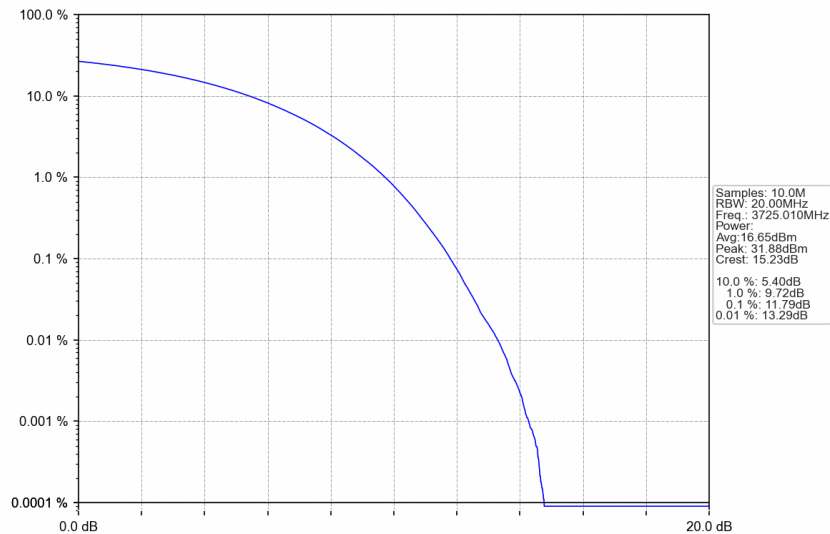
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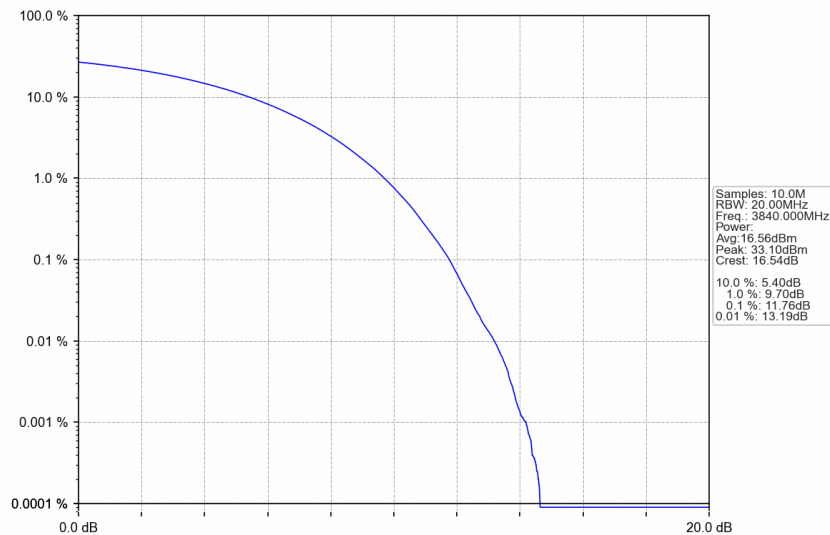
Rev.: 01

Page: 523 of 1239

n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_16_QAM_3725.01MHz_Outer_Full



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_16_QAM_3840MHz_Outer_Full



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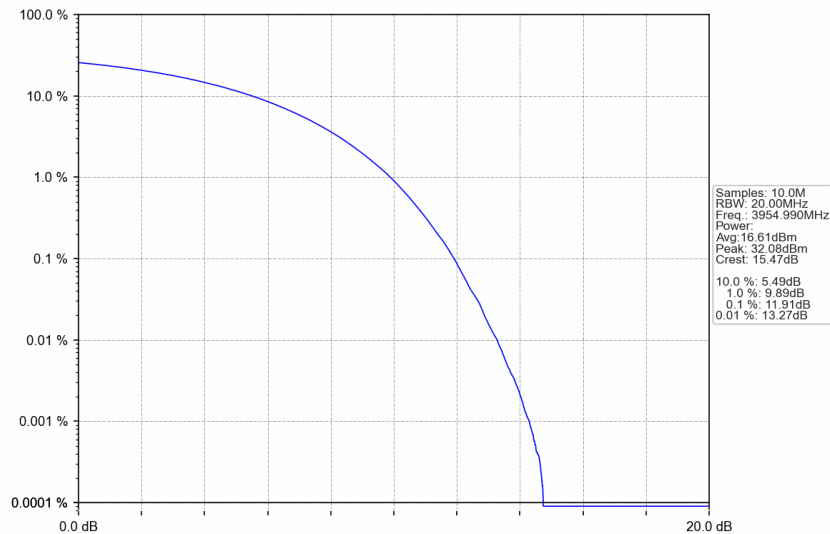


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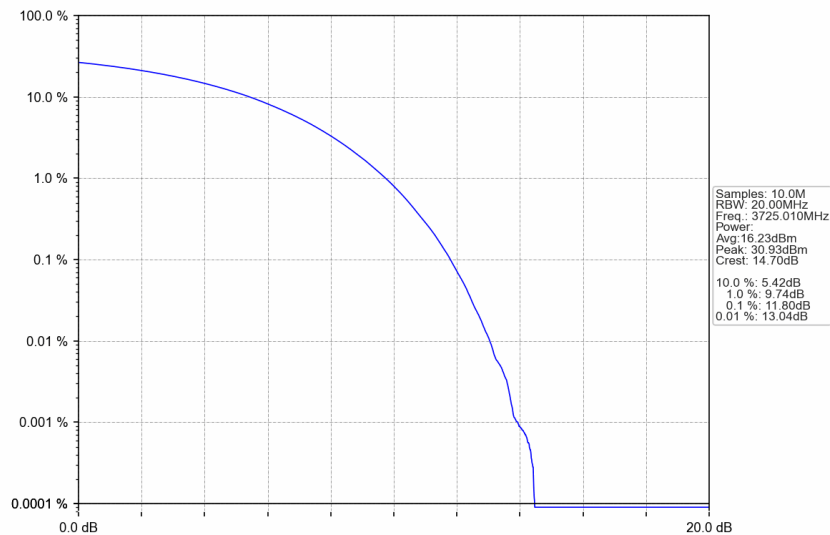
Rev.: 01

Page: 524 of 1239

n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3954.99MHz_Outer_Full



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3725.01MHz_Outer_Full



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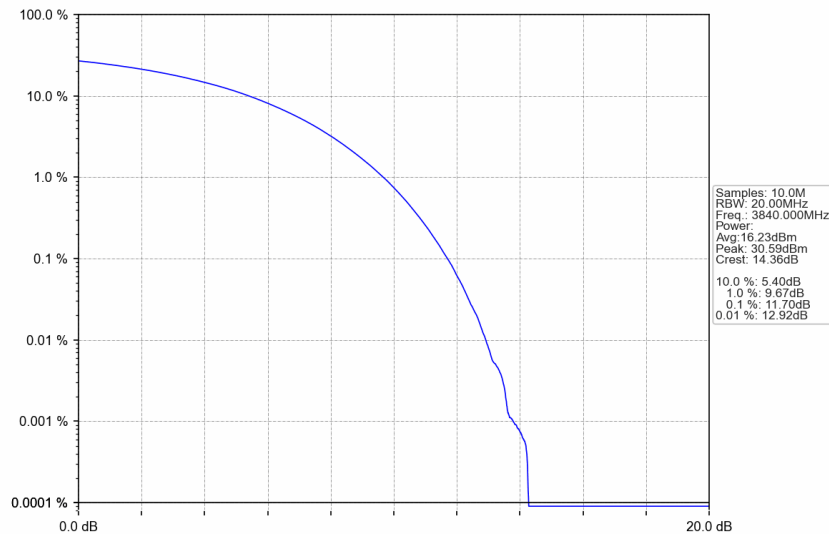
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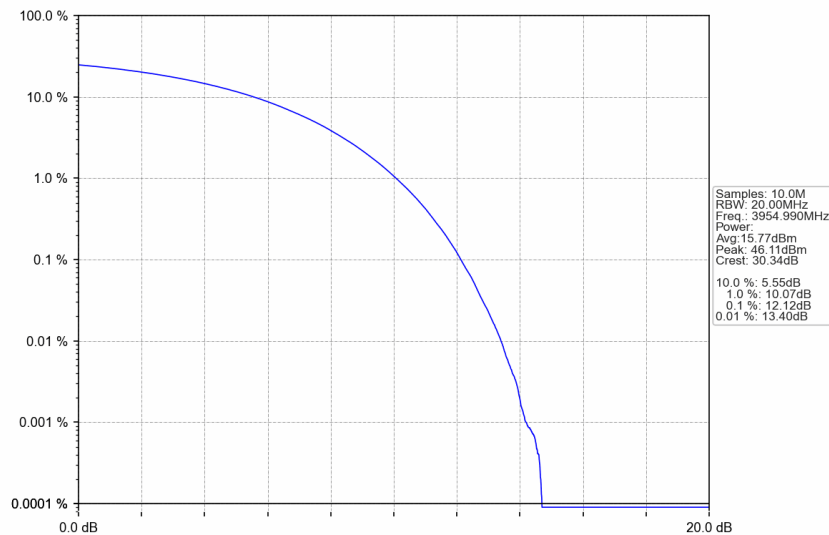
Rev.: 01

Page: 525 of 1239

n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_64_QAM_3840MHz_Outer_Full



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_64_QAM_3954.99MHz_Outer_Full



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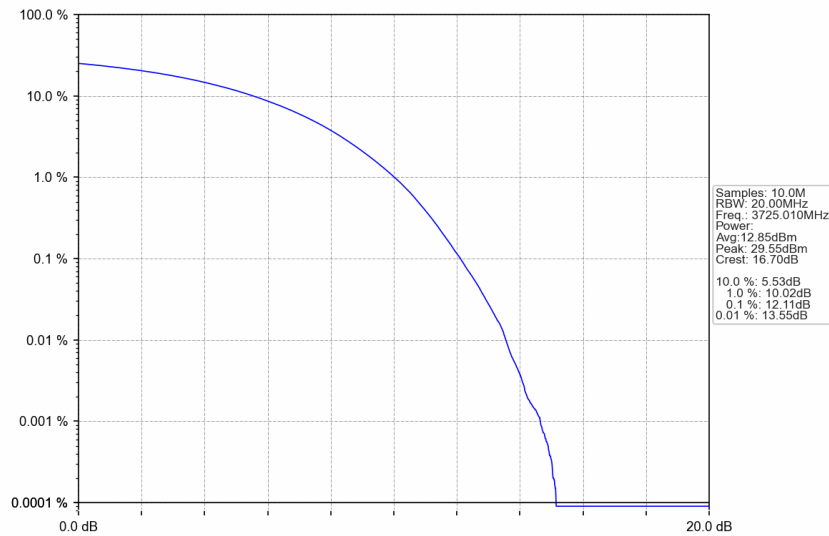
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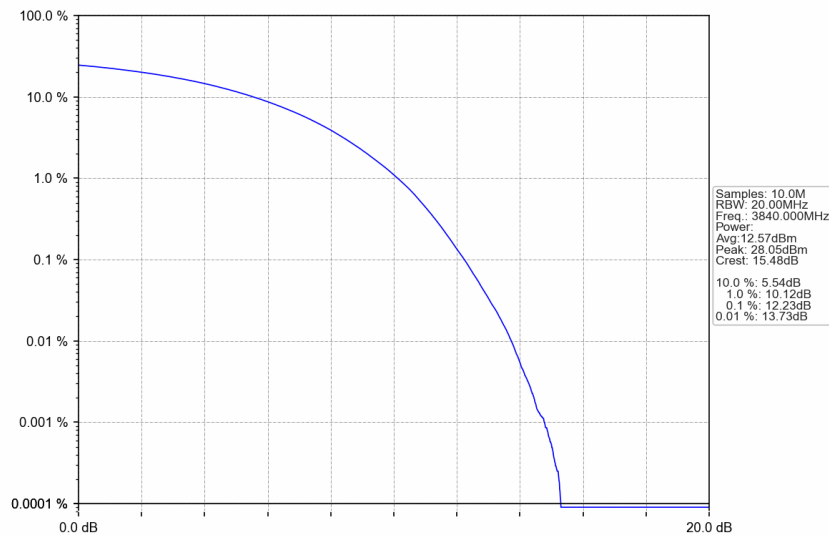
Rev.: 01

Page: 526 of 1239

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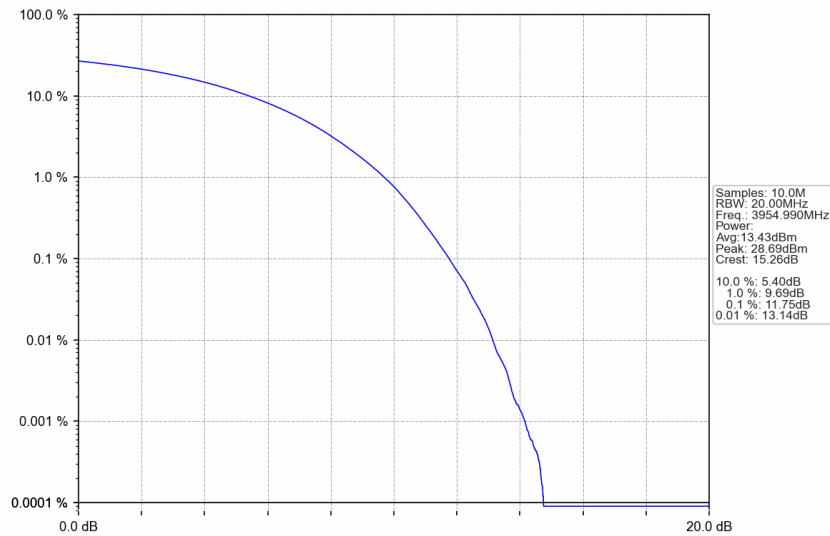
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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 527 of 1239

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5.8 30k_SISO_10MHz_NTNV

5.8.1 Test Result

5G NR n77a SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3705	Outer_Full	10.81	/	/	<=13	Pass
	3840	Outer_Full	11.10	/	/	<=13	Pass
	3975	Outer_Full	10.41	/	/	<=13	Pass
DFT-s-OFDM QPSK	3705	Outer_Full	12.09	/	/	<=13	Pass
	3840	Outer_Full	11.73	/	/	<=13	Pass
	3975	Outer_Full	11.49	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3705	Outer_Full	12.53	/	/	<=13	Pass
	3840	Outer_Full	12.73	/	/	<=13	Pass
	3975	Outer_Full	12.85	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3705	Outer_Full	10.15	/	/	<=13	Pass
	3840	Outer_Full	12.84	/	/	<=13	Pass
	3975	Outer_Full	12.61	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3705	Outer_Full	12.53	/	/	<=13	Pass
	3840	Outer_Full	12.73	/	/	<=13	Pass
	3975	Outer_Full	12.67	/	/	<=13	Pass
CP-OFDM QPSK	3705	Outer_Full	12.08	/	/	<=13	Pass
	3840	Outer_Full	11.96	/	/	<=13	Pass
	3975	Outer_Full	11.51	/	/	<=13	Pass
CP-OFDM 16 QAM	3705	Outer_Full	12.07	/	/	<=13	Pass
	3840	Outer_Full	11.48	/	/	<=13	Pass
	3975	Outer_Full	11.33	/	/	<=13	Pass
CP-OFDM 64 QAM	3705	Outer_Full	11.84	/	/	<=13	Pass
	3840	Outer_Full	11.88	/	/	<=13	Pass
	3975	Outer_Full	11.52	/	/	<=13	Pass
CP-OFDM 256 QAM	3705	Outer_Full	11.80	/	/	<=13	Pass
	3840	Outer_Full	11.90	/	/	<=13	Pass
	3975	Outer_Full	11.93	/	/	<=13	Pass



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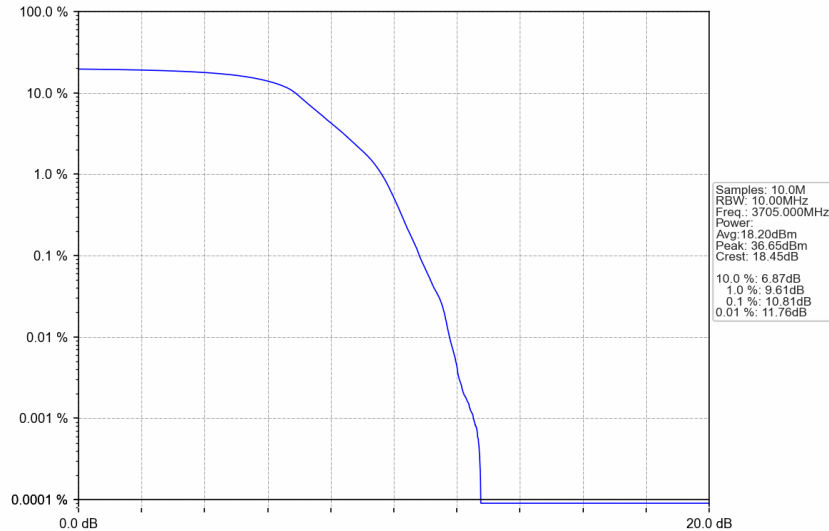
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Rev.: 01

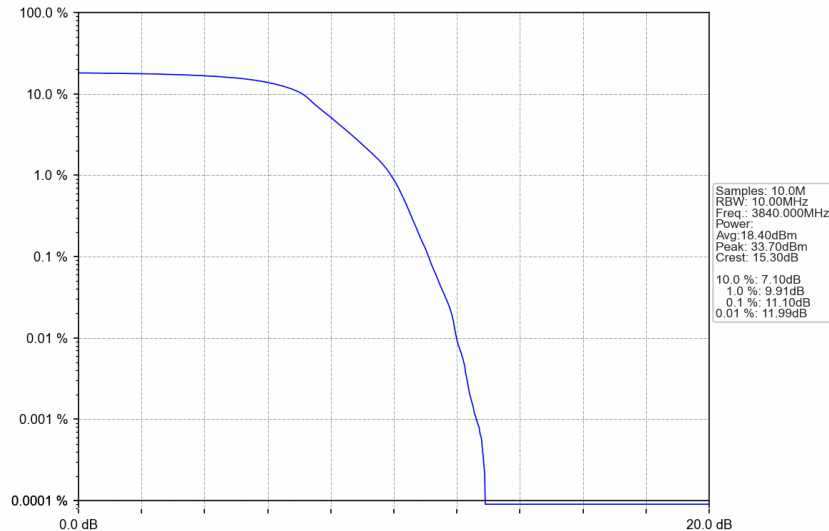
Page: 529 of 1239

5.8.2 Test Graph

n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3705MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



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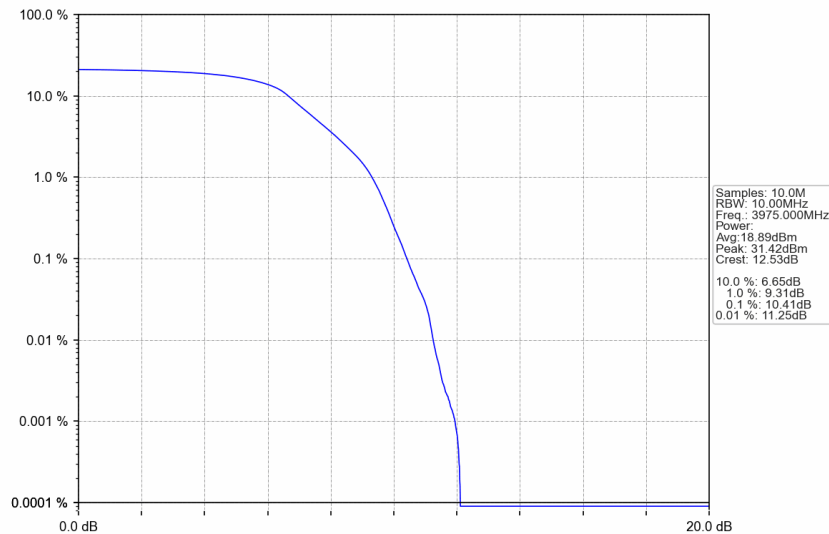
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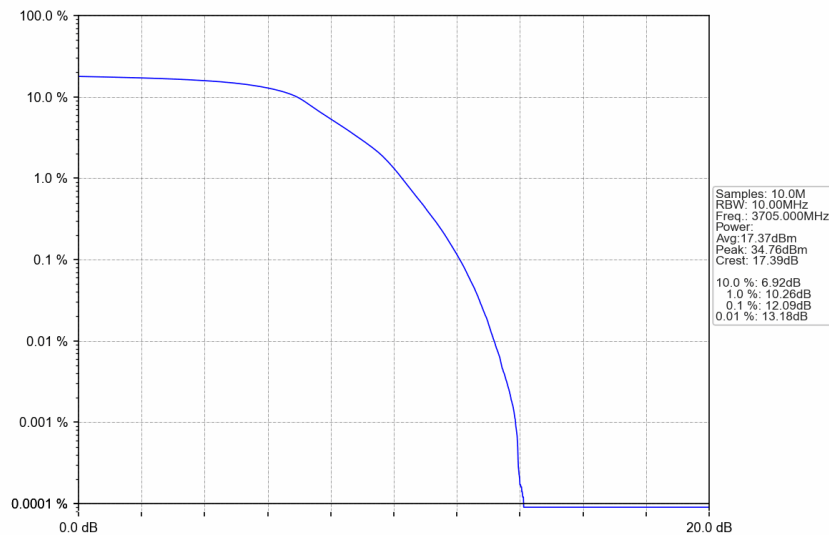
Rev.: 01

Page: 530 of 1239

n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3705MHz_Outer_Full



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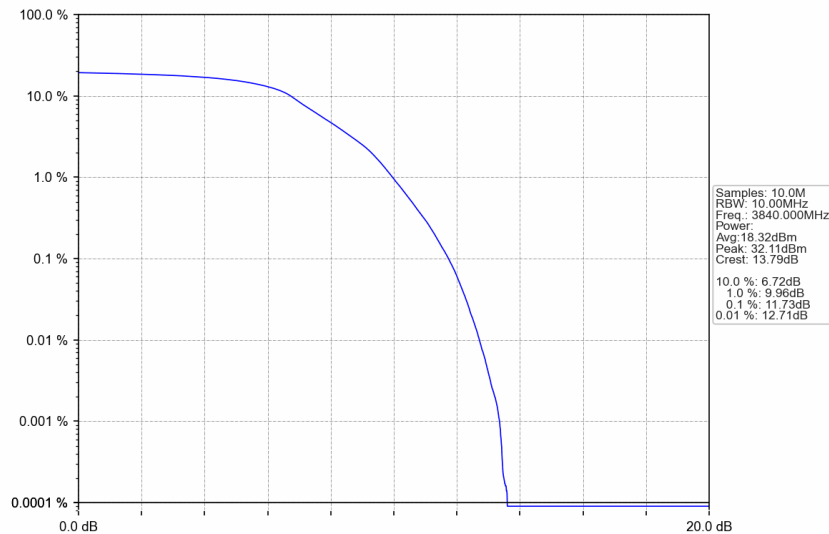
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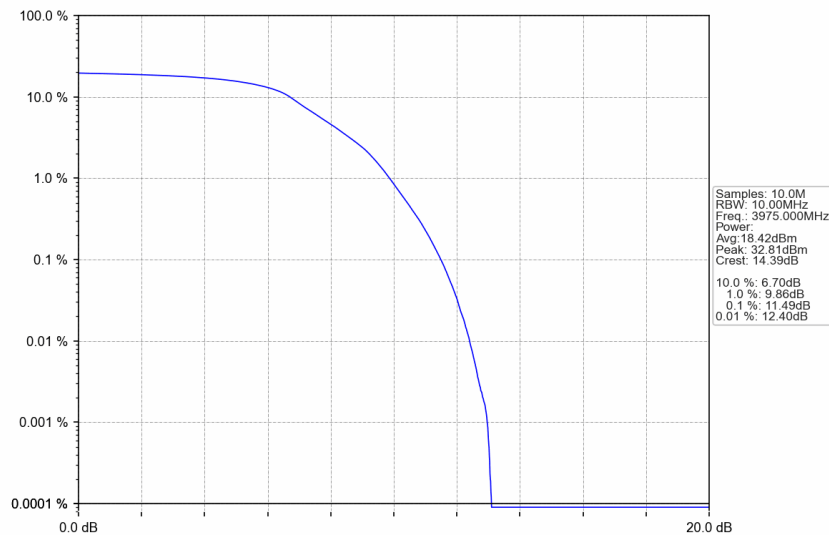
Rev.: 01

Page: 531 of 1239

n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3975MHz_Outer_Full



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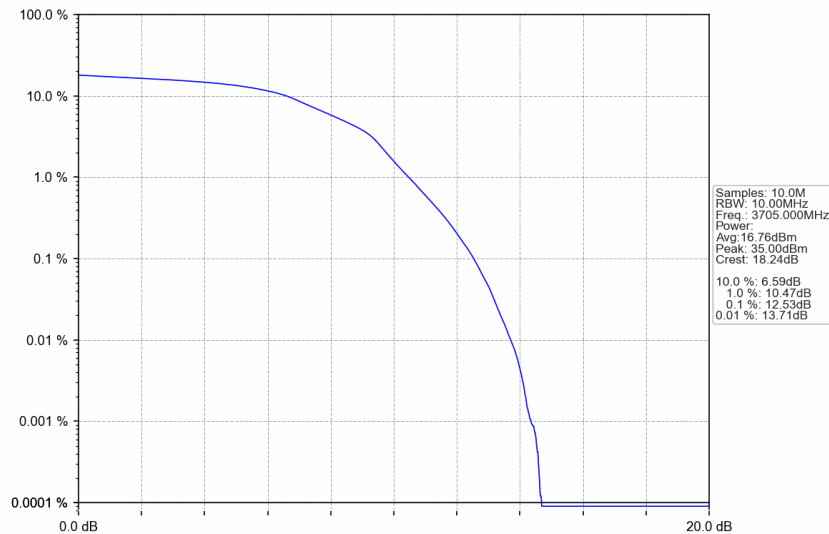
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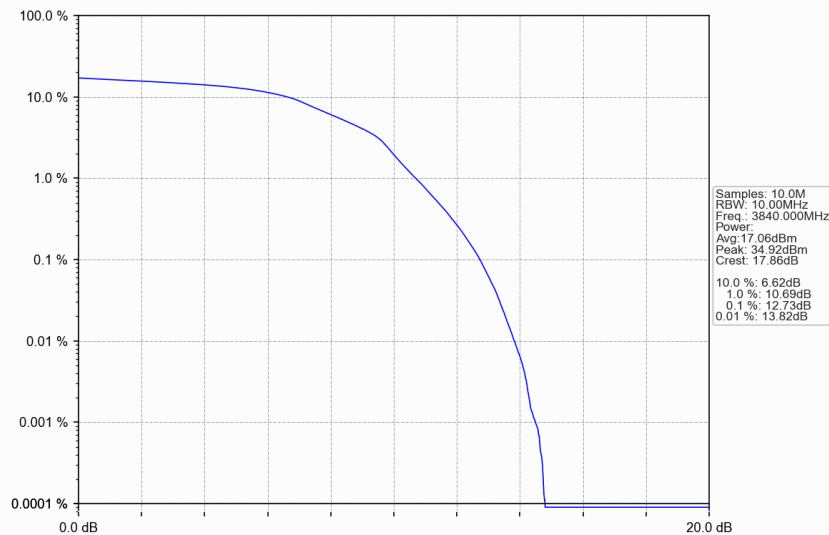
Rev.: 01

Page: 532 of 1239

n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3705MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3840MHz_Outer_Full



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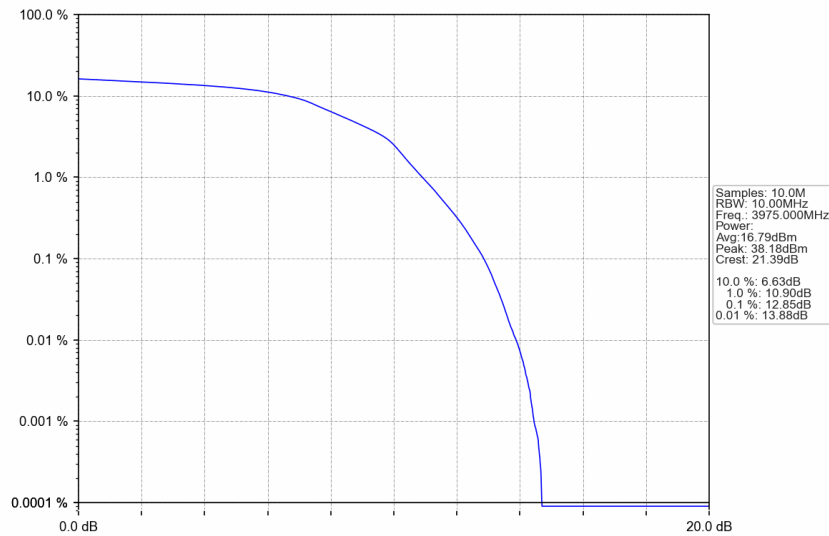
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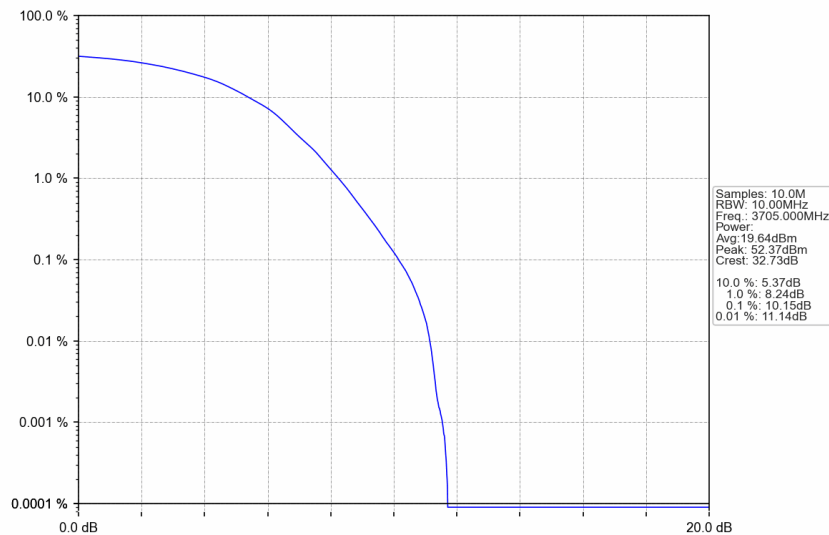
Rev.: 01

Page: 533 of 1239

n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3975MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3705MHz_Outer_Full



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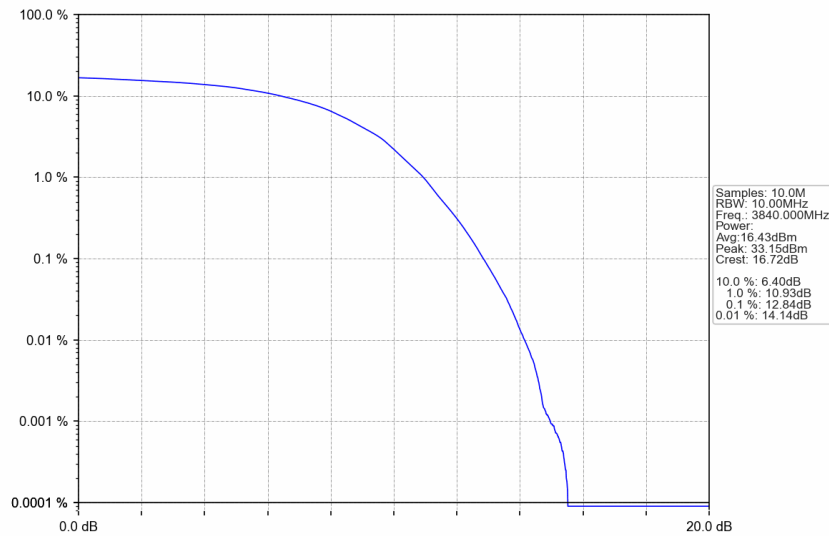
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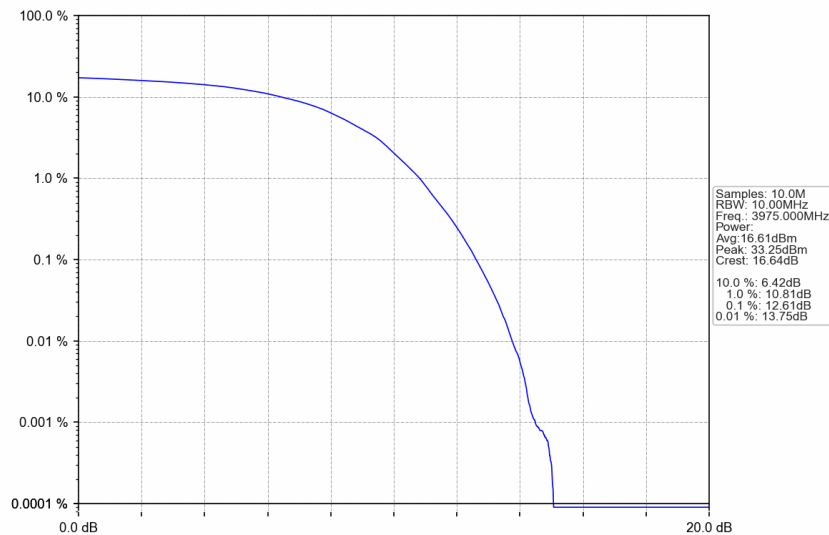
Rev.: 01

Page: 534 of 1239

n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3975MHz_Outer_Full



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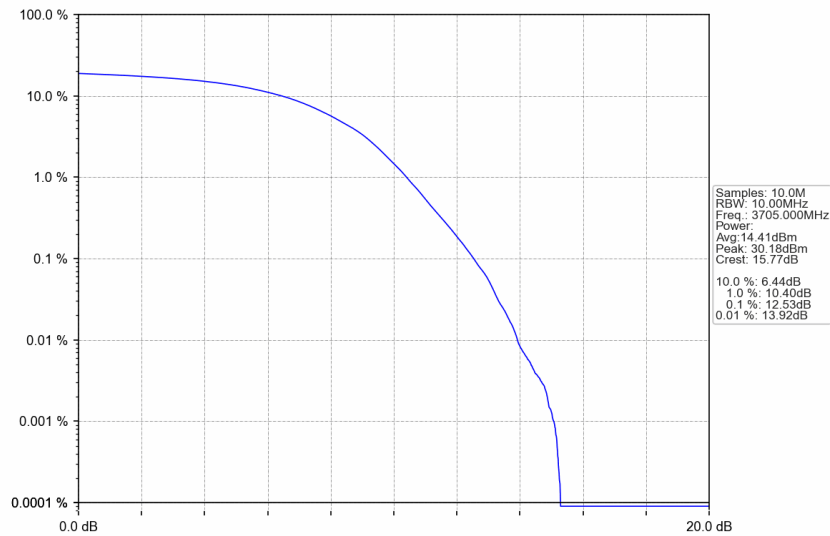
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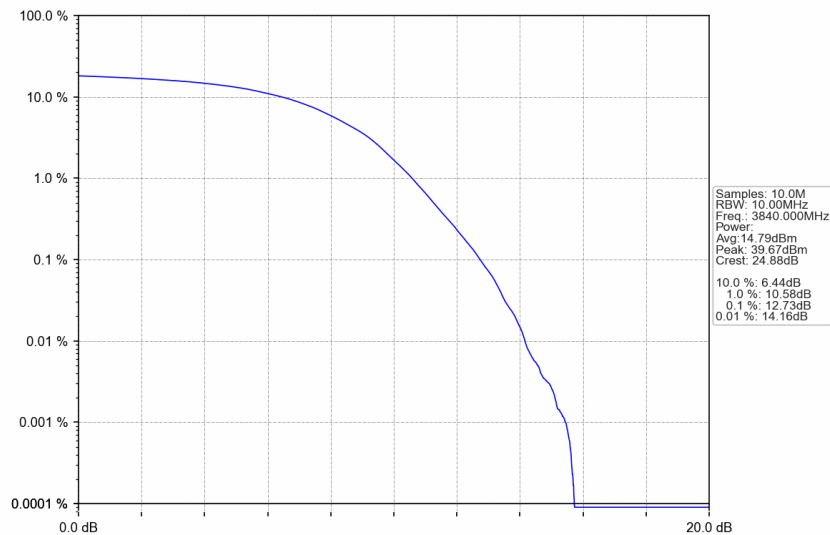
Rev.: 01

Page: 535 of 1239

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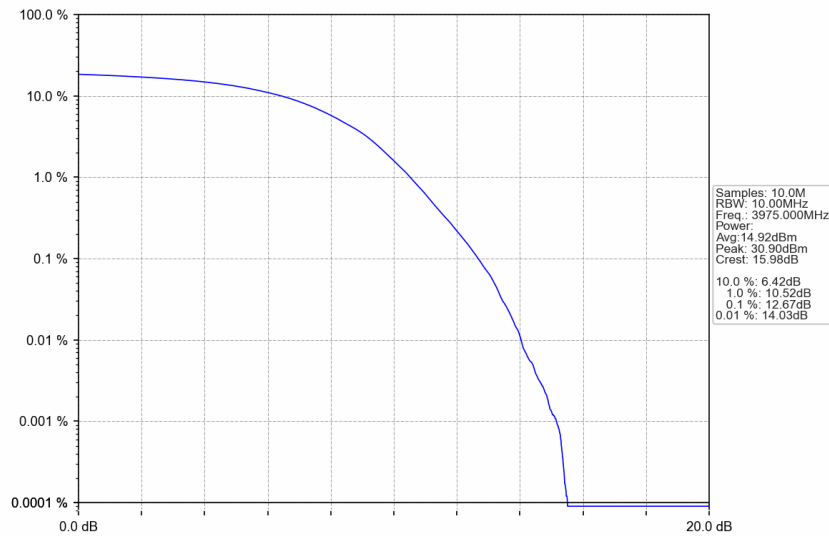
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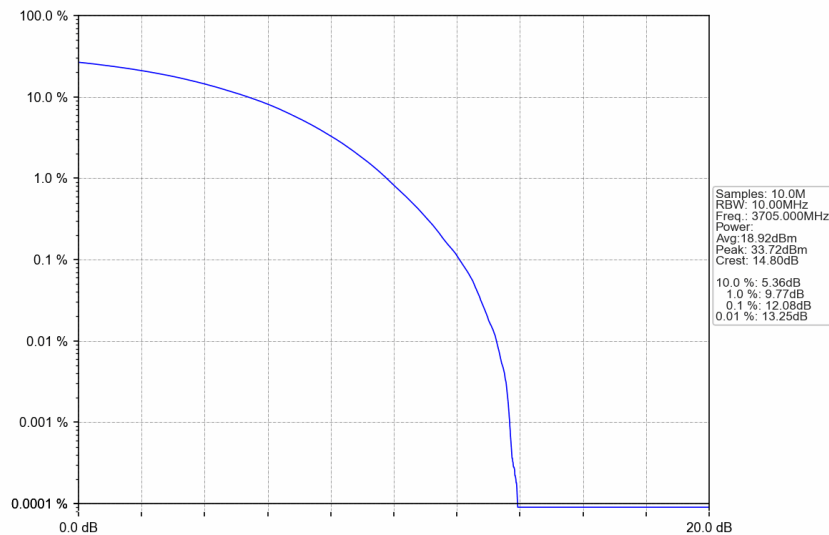
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Page: 536 of 1239

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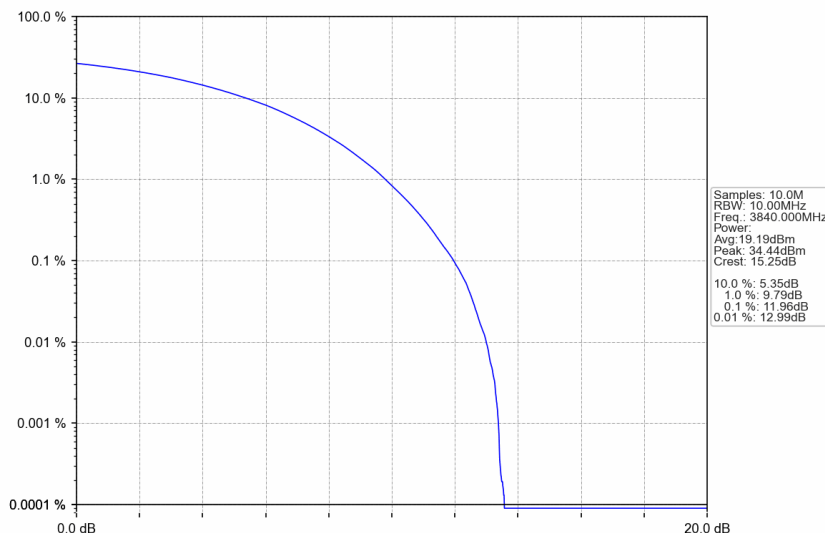
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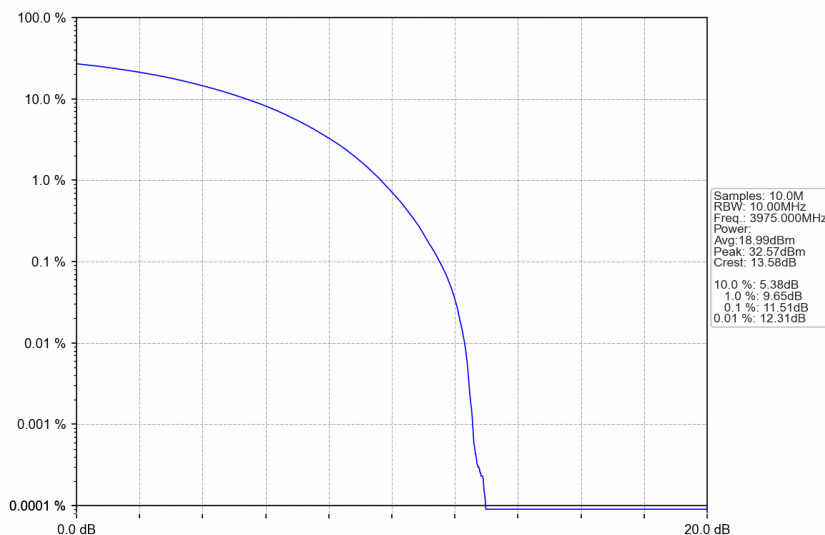
Rev.: 01

Page: 537 of 1239

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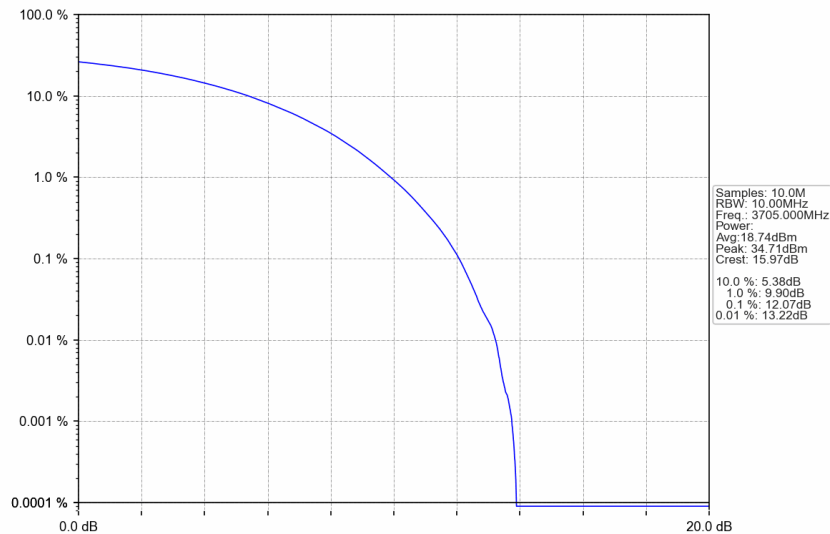


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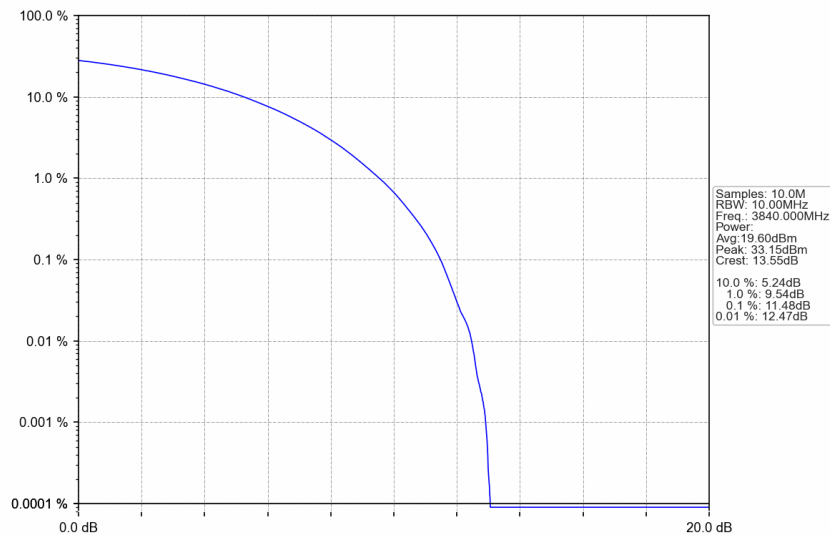
Rev.: 01

Page: 538 of 1239

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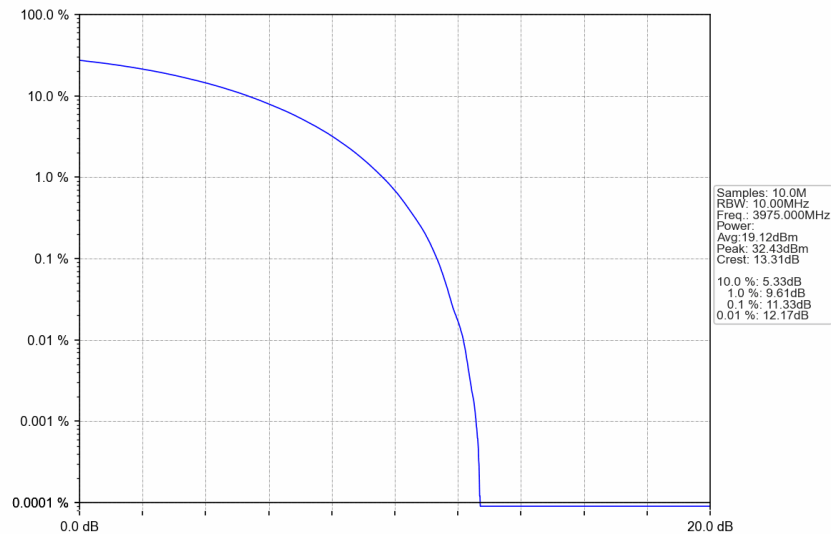


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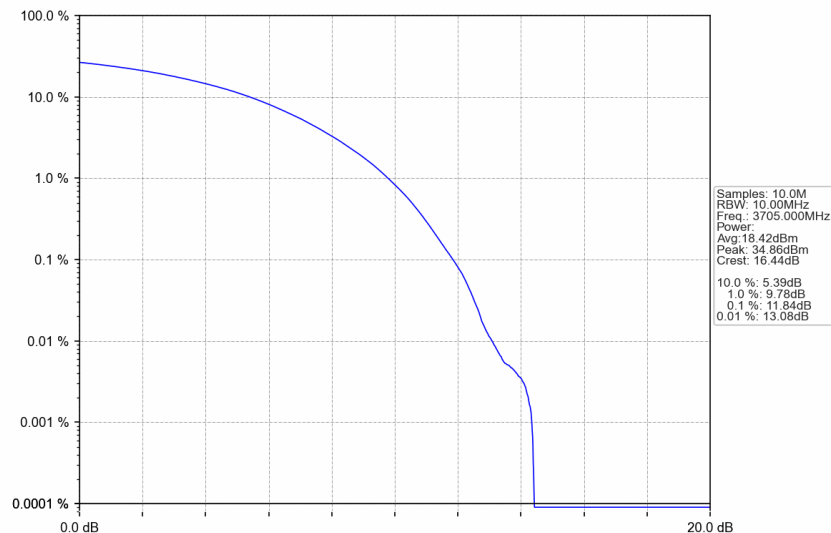
Rev.: 01

Page: 539 of 1239

n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_3975MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_3705MHz_Outer_Full



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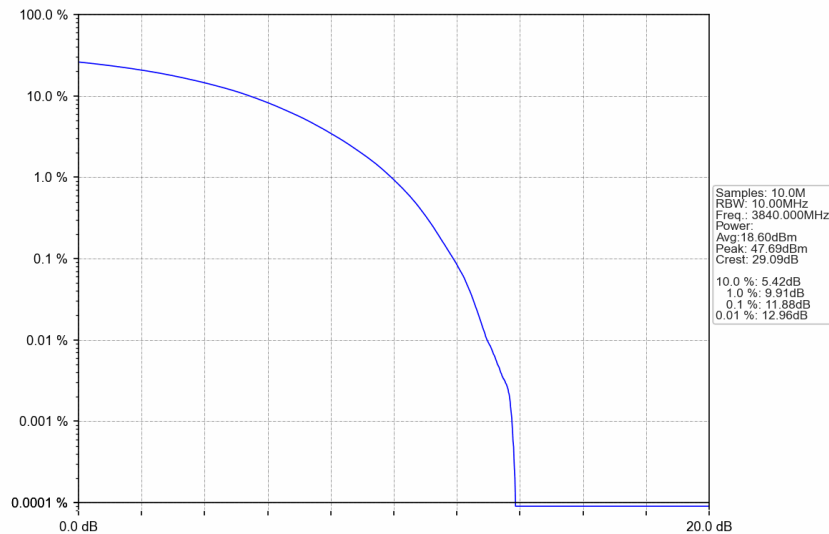


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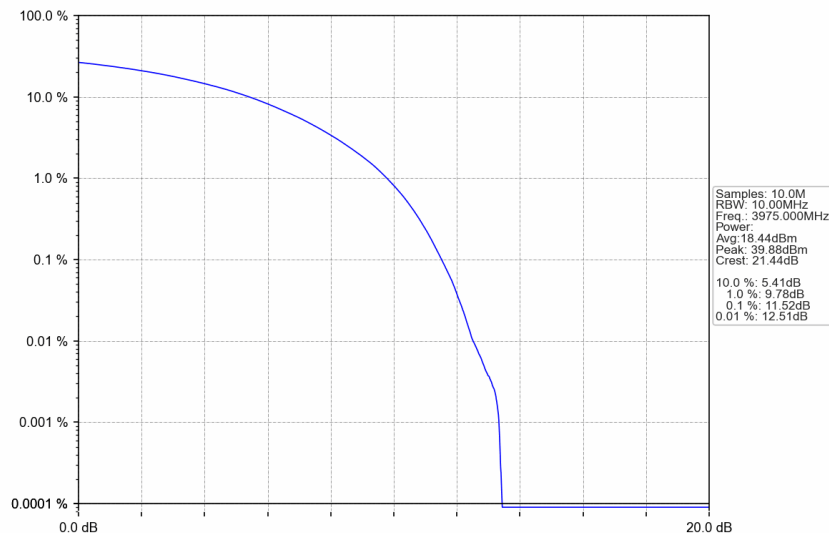
Rev.: 01

Page: 540 of 1239

n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_3975MHz_Outer_Full



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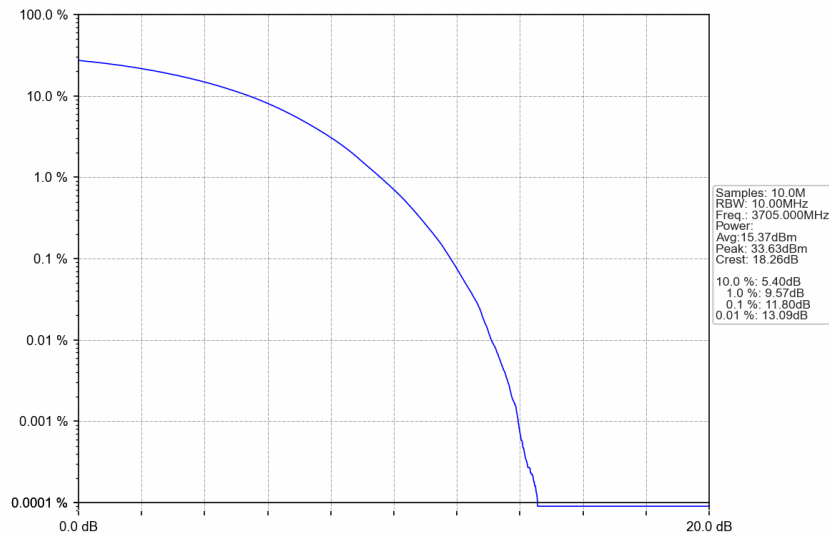
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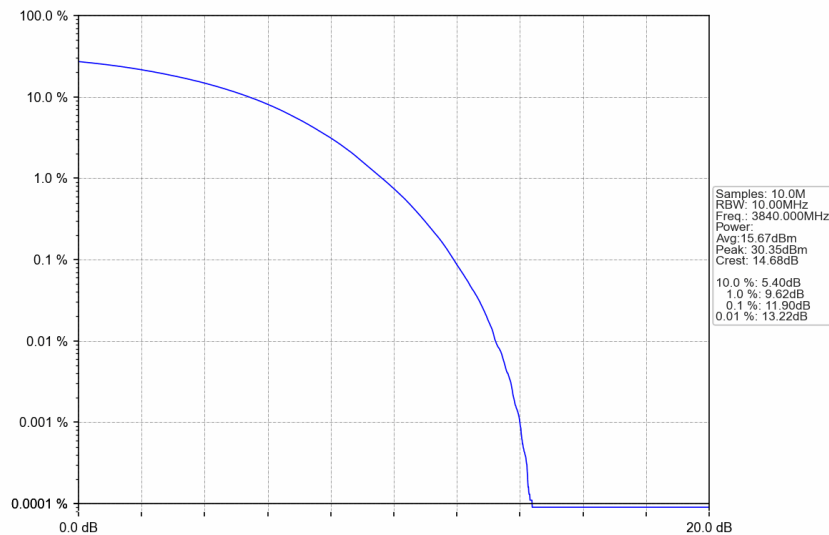
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Page: 541 of 1239

n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3705MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full



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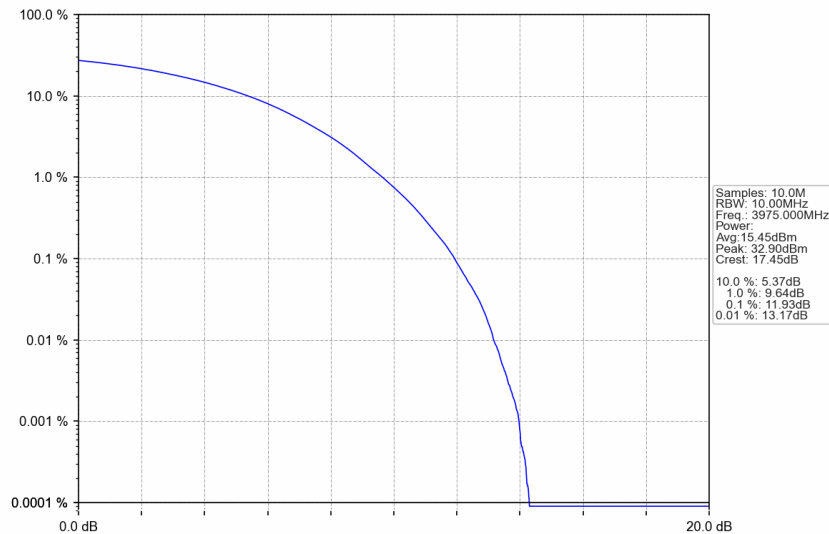
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Rev.: 01

Page: 542 of 1239

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5.9 30k_SISO_15MHz_NTNV

5.9.1 Test Result

5G NR n77a SCS=30kHz SISO 15MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3707.52	Outer_Full	11.06	/	/	<=13	Pass
	3840	Outer_Full	10.08	/	/	<=13	Pass
	3972.48	Outer_Full	10.66	/	/	<=13	Pass
DFT-s-OFDM QPSK	3707.52	Outer_Full	11.99	/	/	<=13	Pass
	3840	Outer_Full	11.83	/	/	<=13	Pass
	3972.48	Outer_Full	12.15	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3707.52	Outer_Full	12.42	/	/	<=13	Pass
	3840	Outer_Full	12.86	/	/	<=13	Pass
	3972.48	Outer_Full	12.15	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3707.52	Outer_Full	12.97	/	/	<=13	Pass
	3840	Outer_Full	12.39	/	/	<=13	Pass
	3972.48	Outer_Full	12.62	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3707.52	Outer_Full	12.46	/	/	<=13	Pass
	3840	Outer_Full	12.62	/	/	<=13	Pass
	3972.48	Outer_Full	12.59	/	/	<=13	Pass
CP-OFDM QPSK	3707.52	Outer_Full	11.82	/	/	<=13	Pass
	3840	Outer_Full	11.92	/	/	<=13	Pass
	3972.48	Outer_Full	11.14	/	/	<=13	Pass
CP-OFDM 16 QAM	3707.52	Outer_Full	11.82	/	/	<=13	Pass
	3840	Outer_Full	11.54	/	/	<=13	Pass
	3972.48	Outer_Full	11.17	/	/	<=13	Pass
CP-OFDM 64 QAM	3707.52	Outer_Full	11.91	/	/	<=13	Pass
	3840	Outer_Full	11.81	/	/	<=13	Pass
	3972.48	Outer_Full	11.83	/	/	<=13	Pass
CP-OFDM 256 QAM	3707.52	Outer_Full	11.75	/	/	<=13	Pass
	3840	Outer_Full	11.95	/	/	<=13	Pass
	3972.48	Outer_Full	11.95	/	/	<=13	Pass



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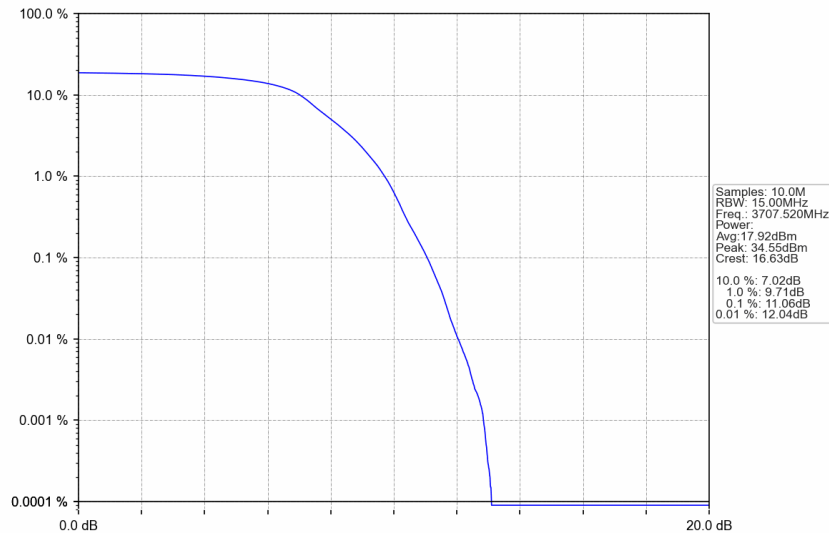
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Rev.: 01

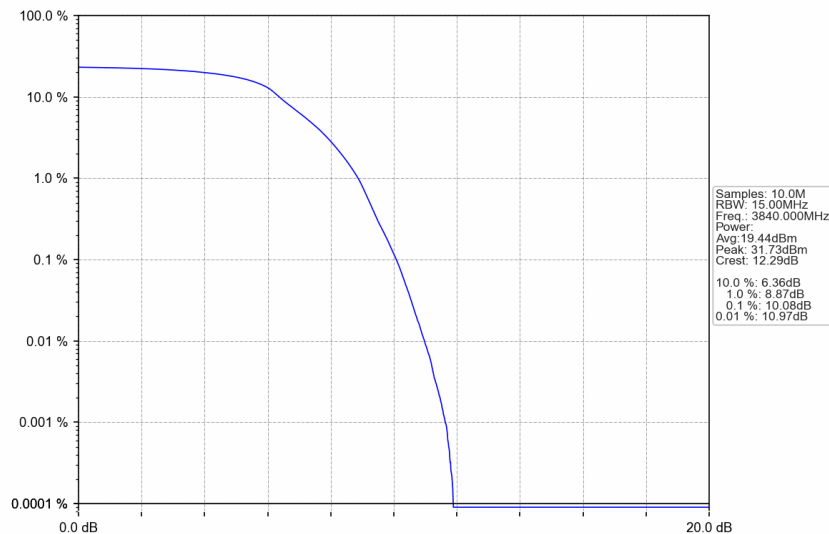
Page: 544 of 1239

5.9.2 Test Graph

n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3707.52MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



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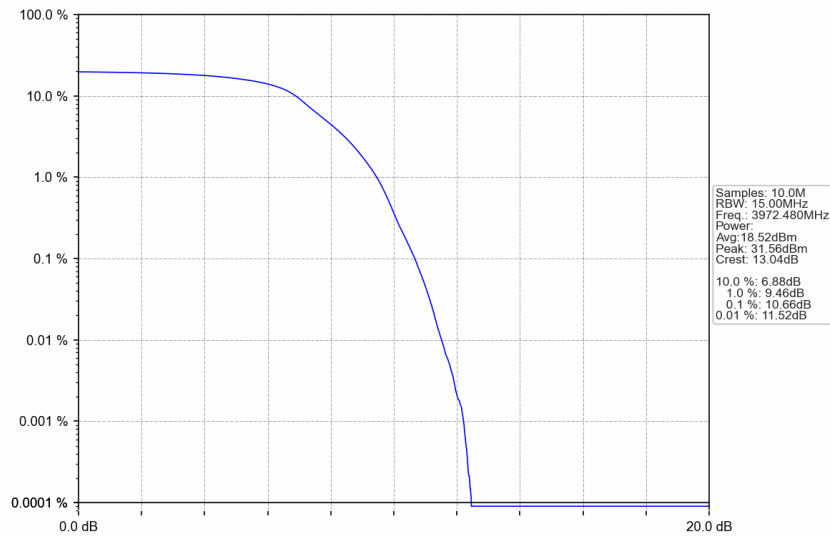
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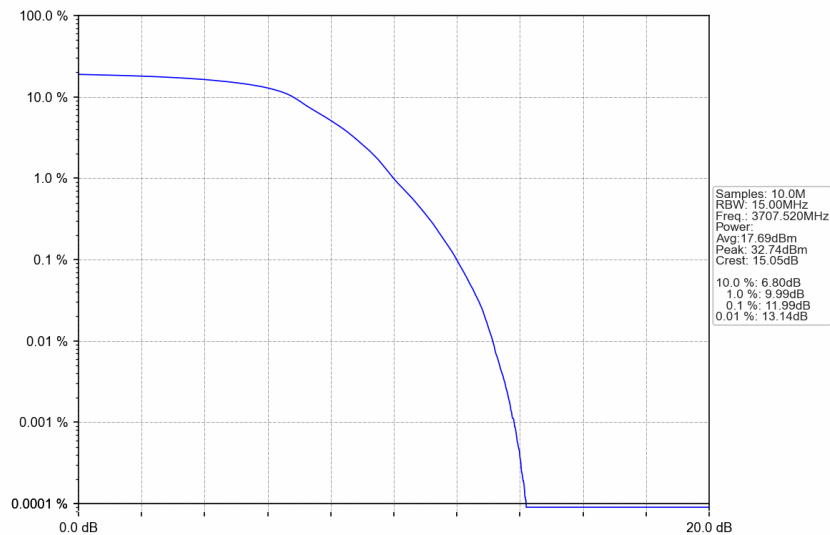
Rev.: 01

Page: 545 of 1239

n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3972.48MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3707.52MHz_Outer_Full



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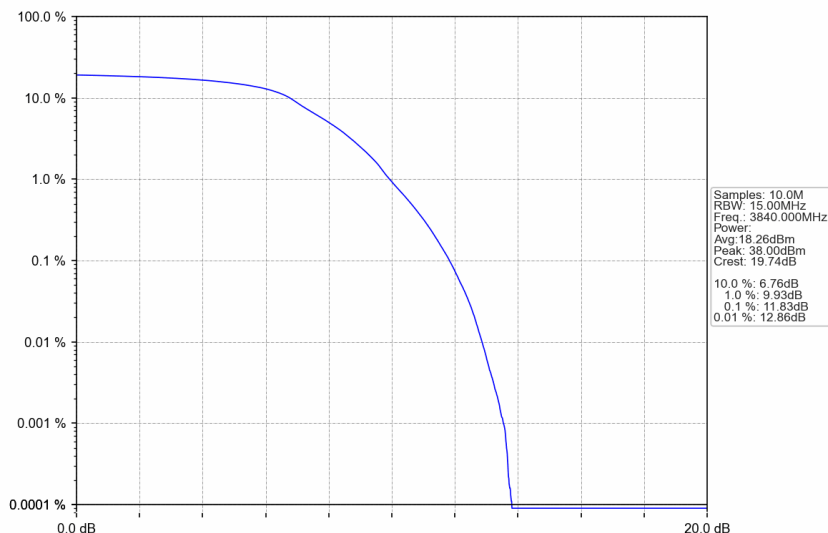
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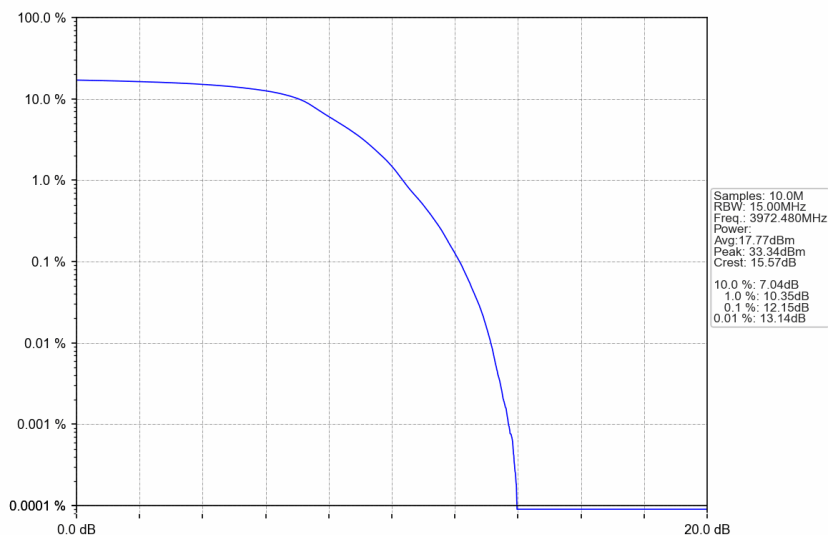
Rev.: 01

Page: 546 of 1239

n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3972.48MHz_Outer_Full



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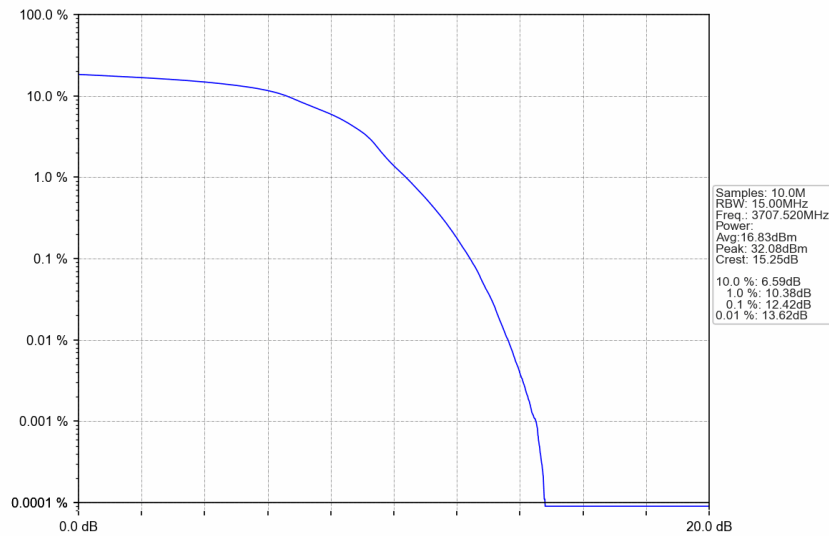
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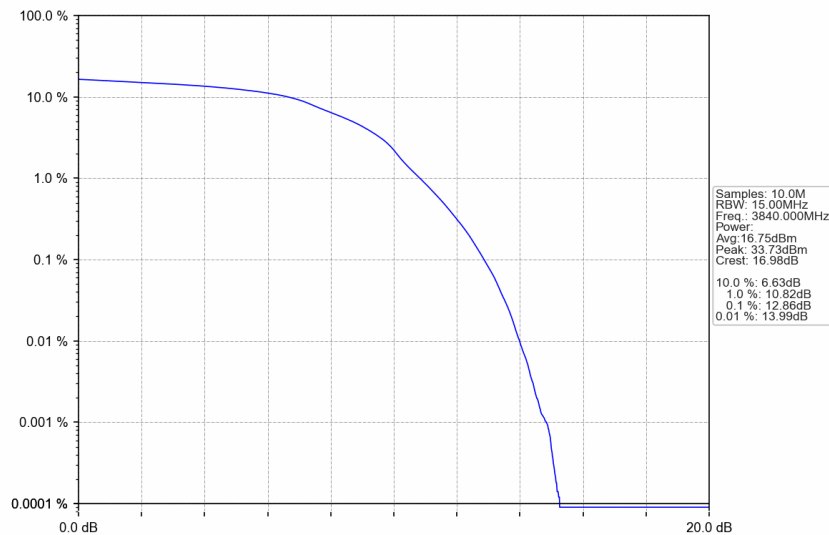
Rev.: 01

Page: 547 of 1239

n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_3707.52MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_3840MHz_Outer_Full



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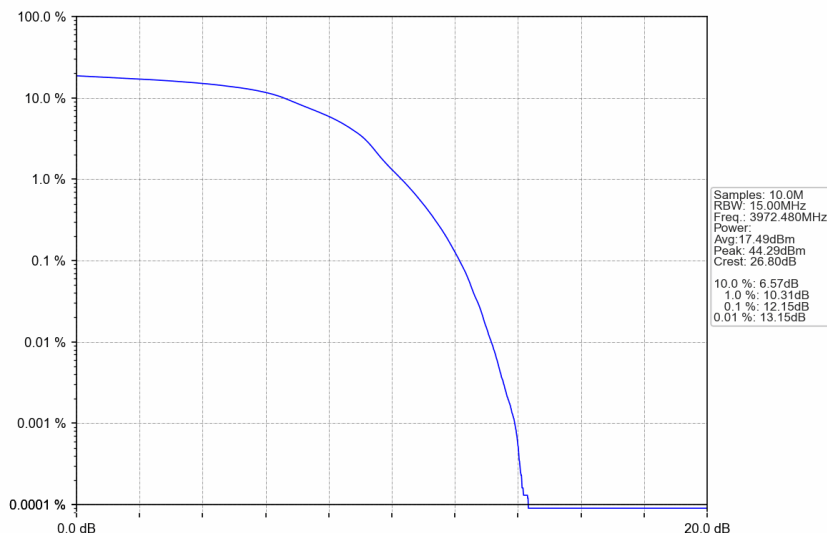
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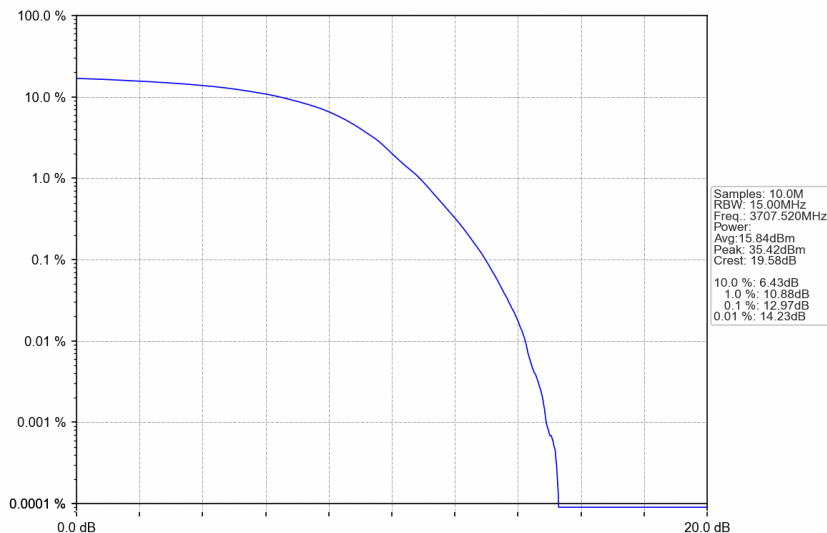
Rev.: 01

Page: 548 of 1239

n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_3972.48MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_3707.52MHz_Outer_Full



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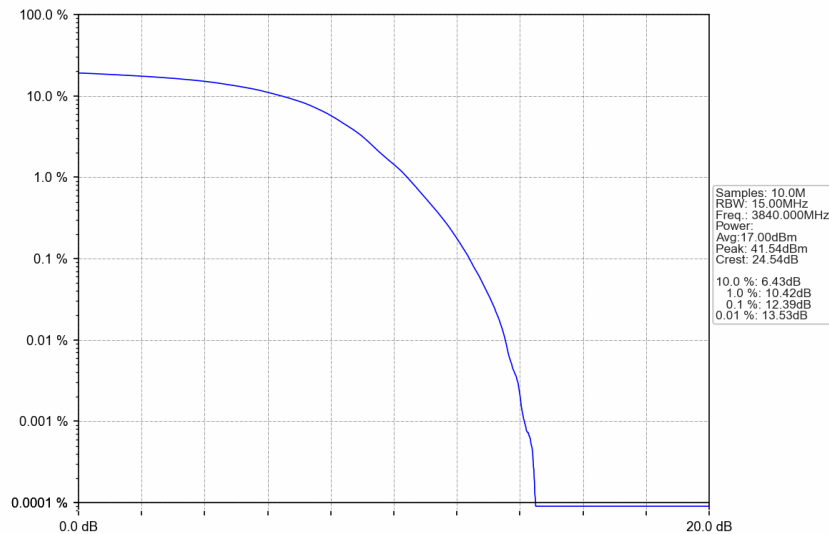
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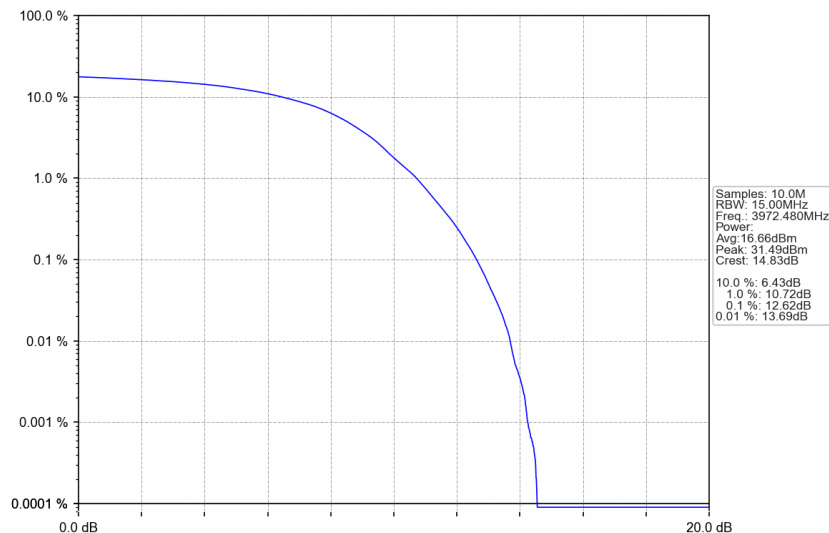
Rev.: 01

Page: 549 of 1239

n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_3972.48MHz_Outer_Full



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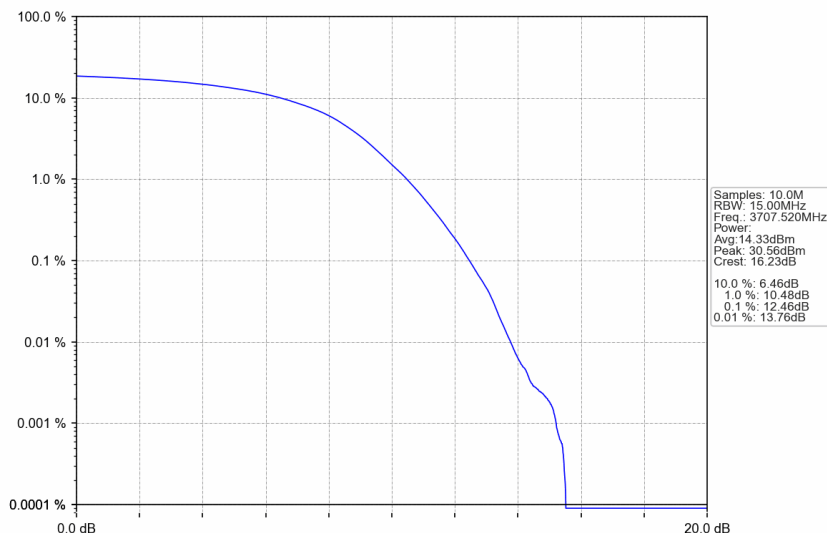
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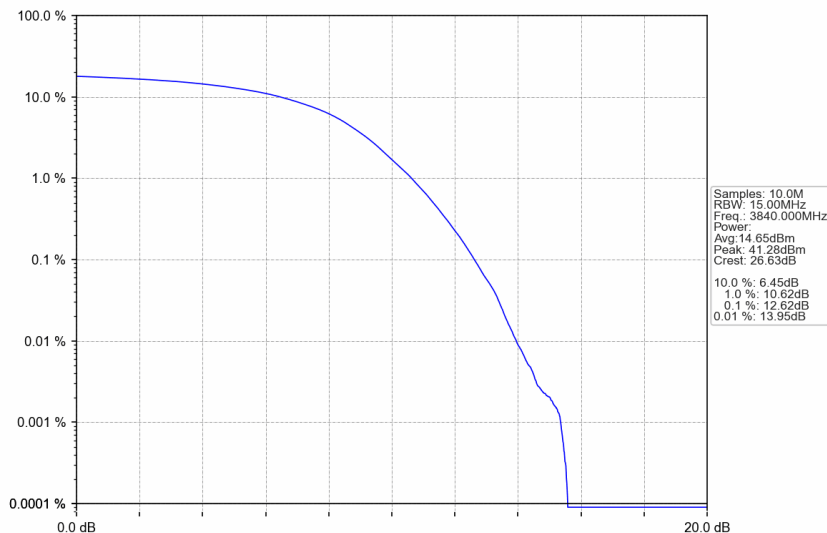
Rev.: 01

Page: 550 of 1239

n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_3707.52MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_3840MHz_Outer_Full



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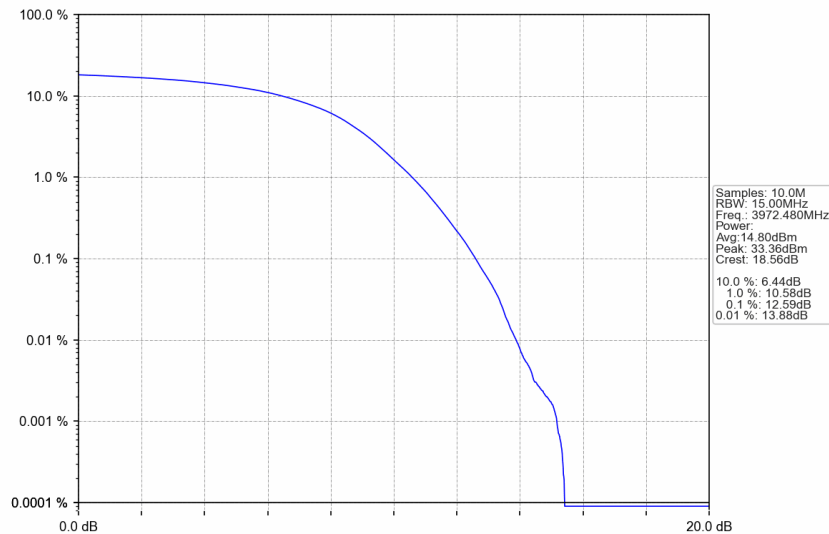
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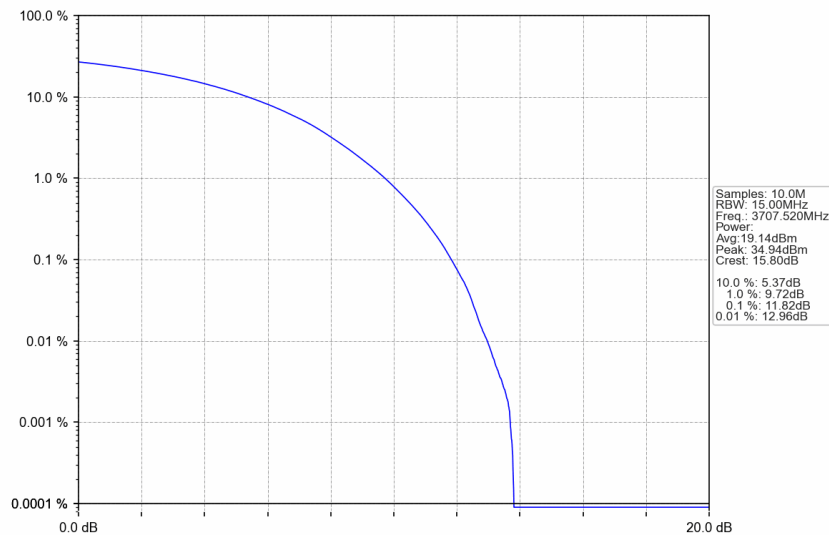
Rev.: 01

Page: 551 of 1239

n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_3972.48MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_3707.52MHz_Outer_Full



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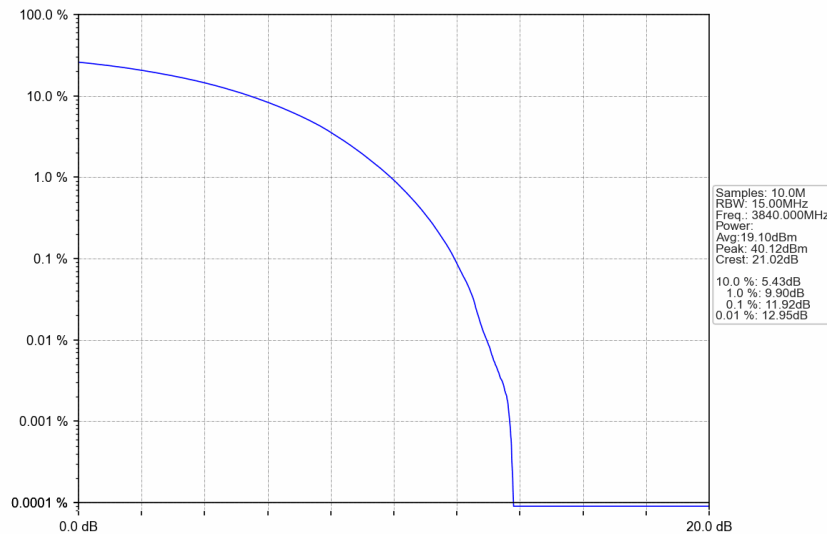
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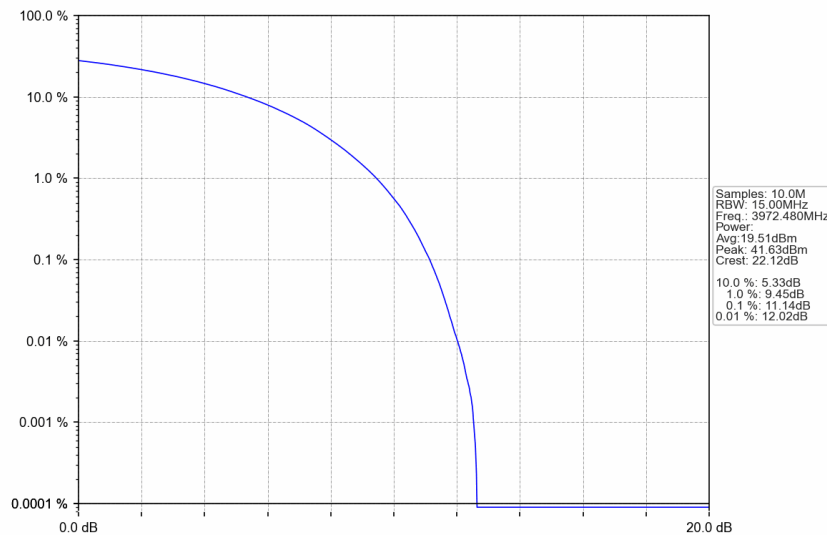
Rev.: 01

Page: 552 of 1239

n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3972.48MHz_Outer_Full



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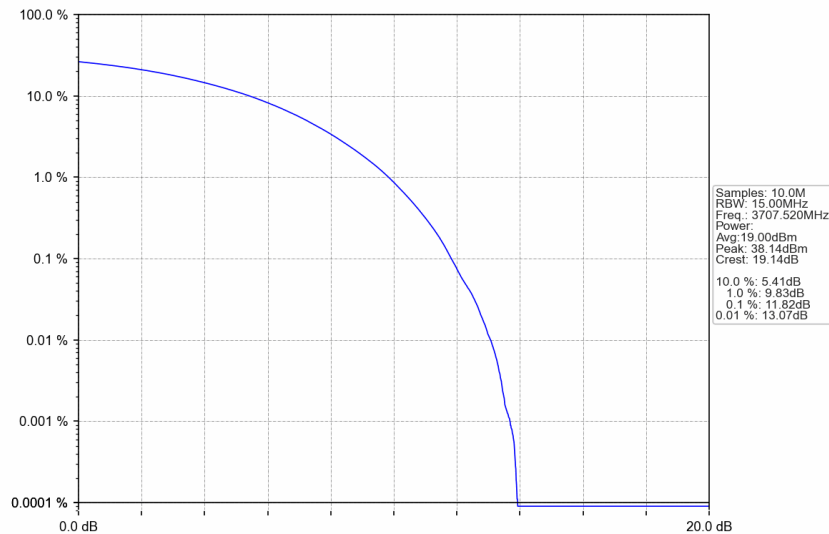


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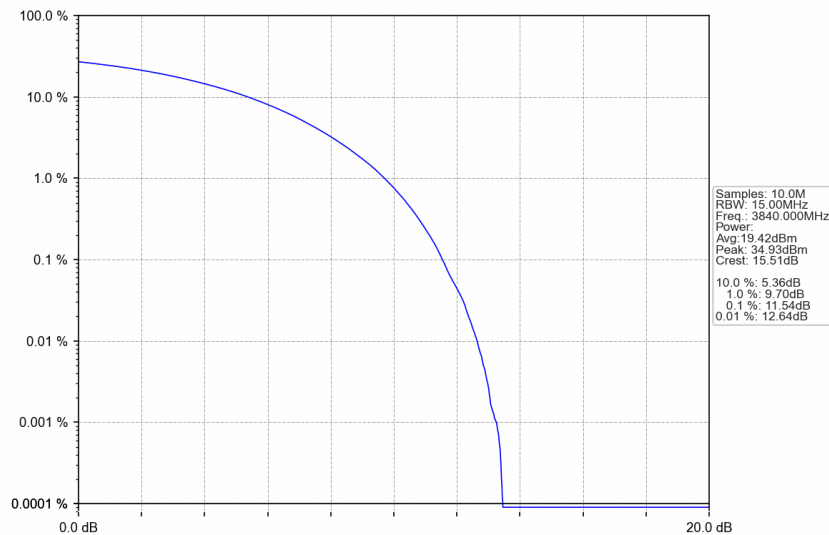
Rev.: 01

Page: 553 of 1239

n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_3707.52MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_3840MHz_Outer_Full



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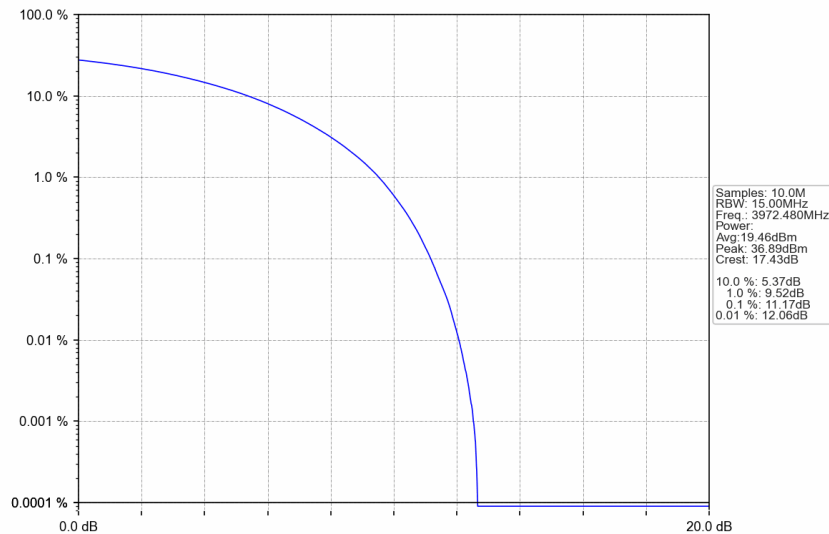
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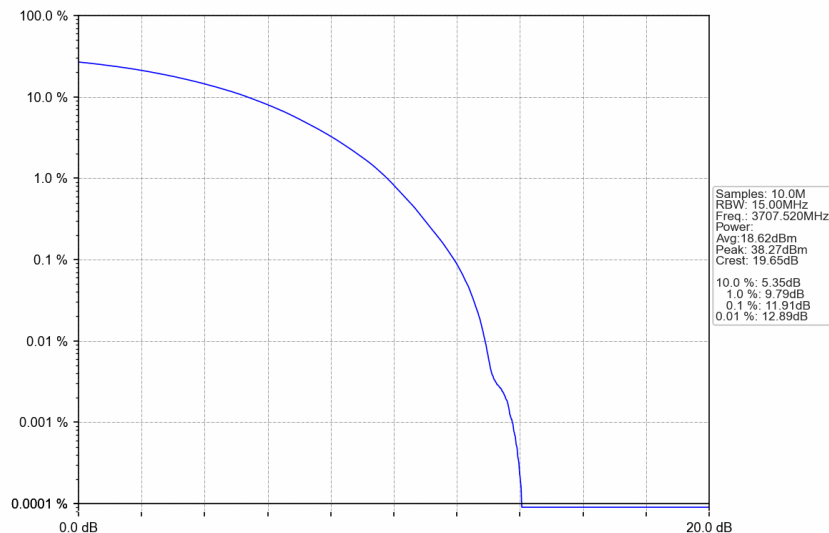
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Page: 554 of 1239

n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_3972.48MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_3707.52MHz_Outer_Full



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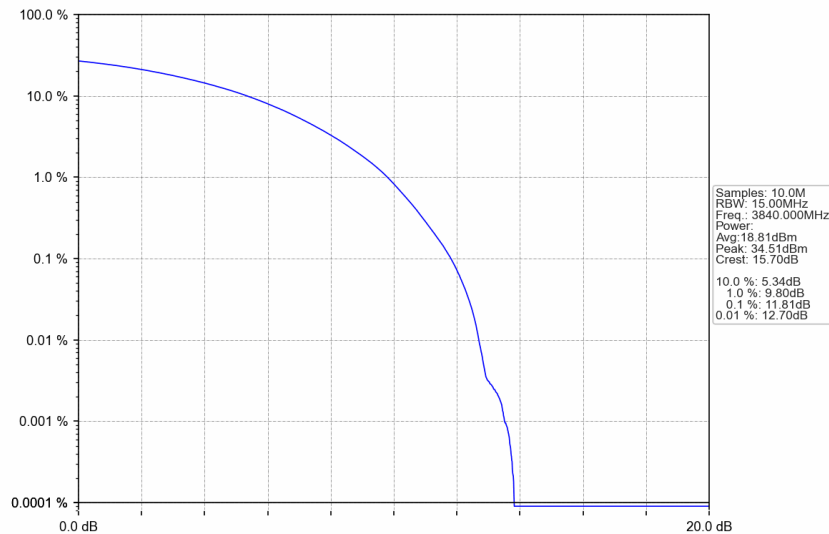


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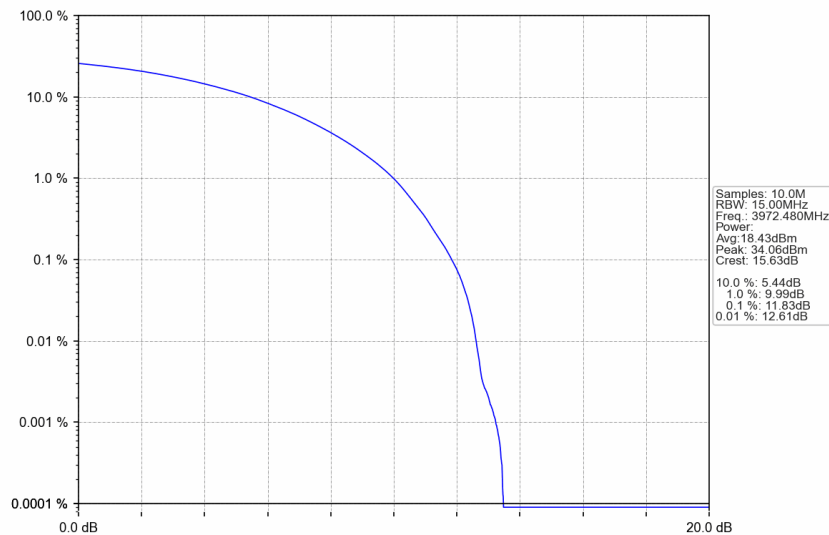
Rev.: 01

Page: 555 of 1239

n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_3972.48MHz_Outer_Full



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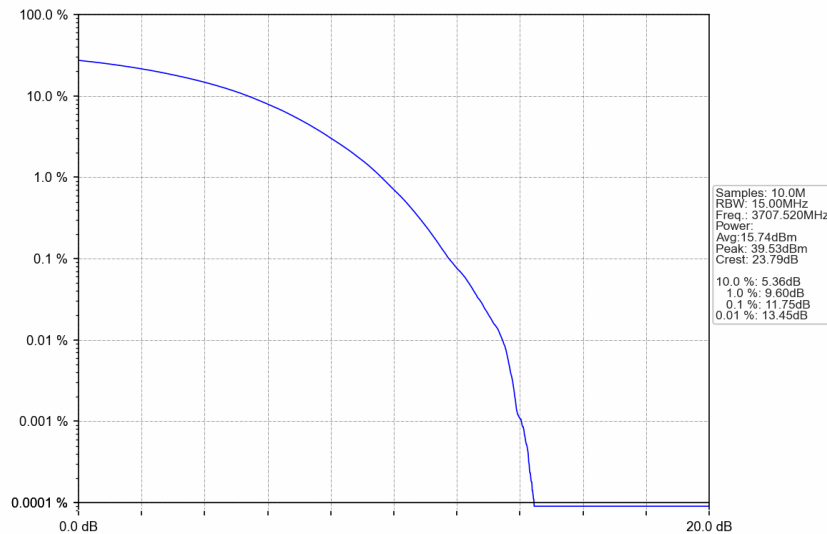
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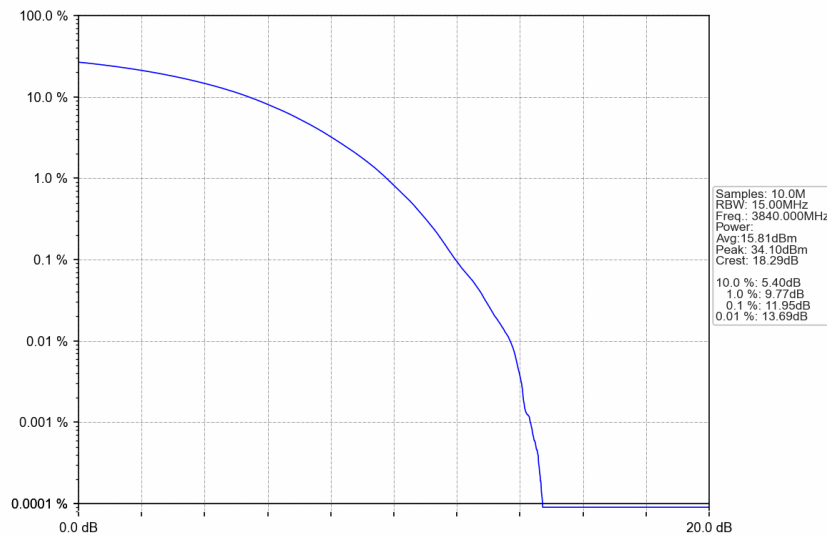
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Page: 556 of 1239

n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_3707.52MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full



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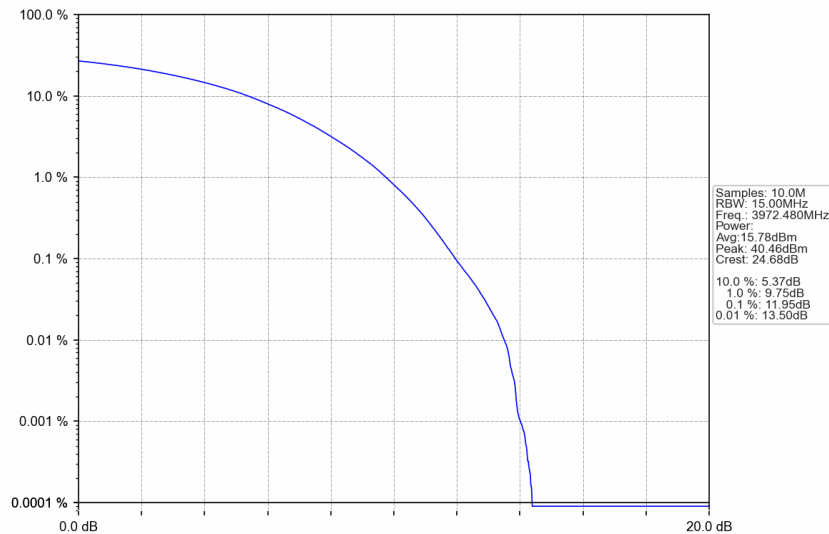
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5.10 30k_SISO_20MHz_NTNV

5.10.1 Test Result

5G NR n77a SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3710.01	Outer_Full	11.92	/	/	<=13	Pass
	3840	Outer_Full	10.11	/	/	<=13	Pass
	3969.99	Outer_Full	10.53	/	/	<=13	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	12.13	/	/	<=13	Pass
	3840	Outer_Full	11.74	/	/	<=13	Pass
	3969.99	Outer_Full	12.10	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	12.02	/	/	<=13	Pass
	3840	Outer_Full	12.65	/	/	<=13	Pass
	3969.99	Outer_Full	12.40	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	12.88	/	/	<=13	Pass
	3840	Outer_Full	12.70	/	/	<=13	Pass
	3969.99	Outer_Full	12.99	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	13.00	/	/	<=13	Pass
	3840	Outer_Full	12.60	/	/	<=13	Pass
	3969.99	Outer_Full	12.45	/	/	<=13	Pass
CP-OFDM QPSK	3710.01	Outer_Full	11.93	/	/	<=13	Pass
	3840	Outer_Full	11.80	/	/	<=13	Pass
	3969.99	Outer_Full	11.58	/	/	<=13	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	11.74	/	/	<=13	Pass
	3840	Outer_Full	11.66	/	/	<=13	Pass
	3969.99	Outer_Full	11.49	/	/	<=13	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	11.89	/	/	<=13	Pass
	3840	Outer_Full	12.06	/	/	<=13	Pass
	3969.99	Outer_Full	11.58	/	/	<=13	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	11.99	/	/	<=13	Pass
	3840	Outer_Full	12.03	/	/	<=13	Pass
	3969.99	Outer_Full	12.06	/	/	<=13	Pass



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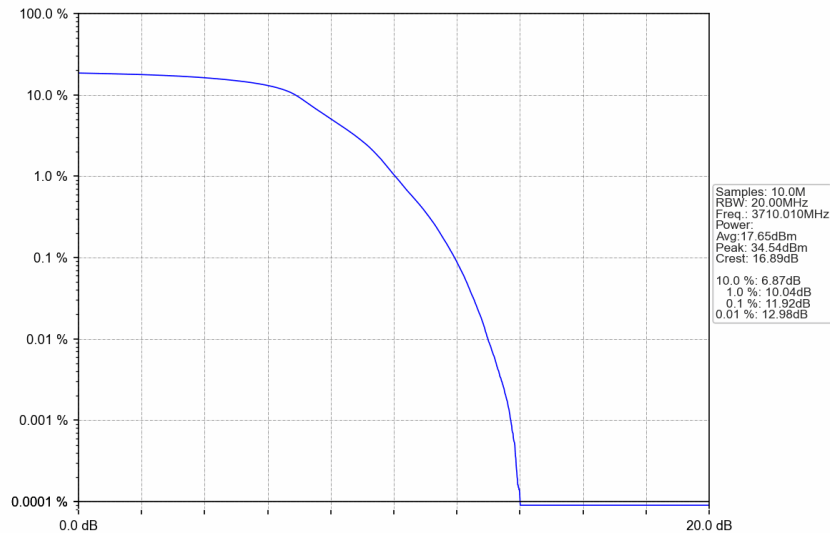
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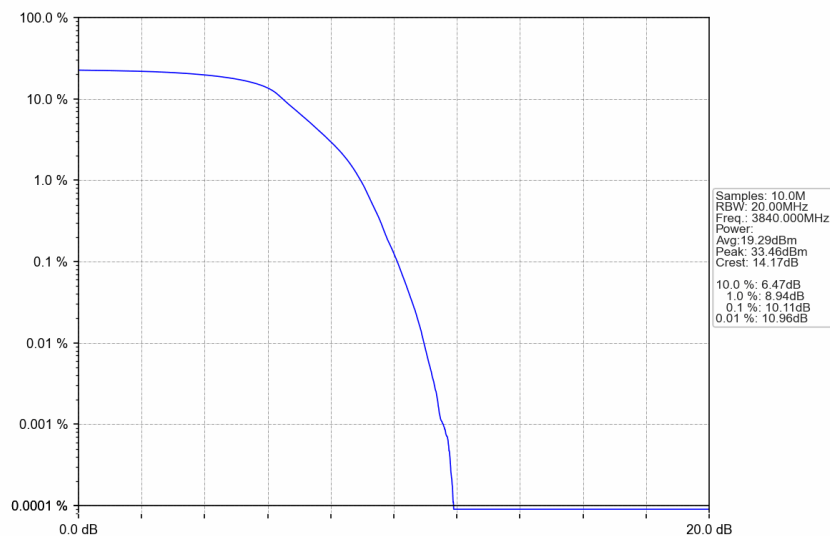
Page: 559 of 1239

5.10.2 Test Graph

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3710.01MHz_Outer_Full



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



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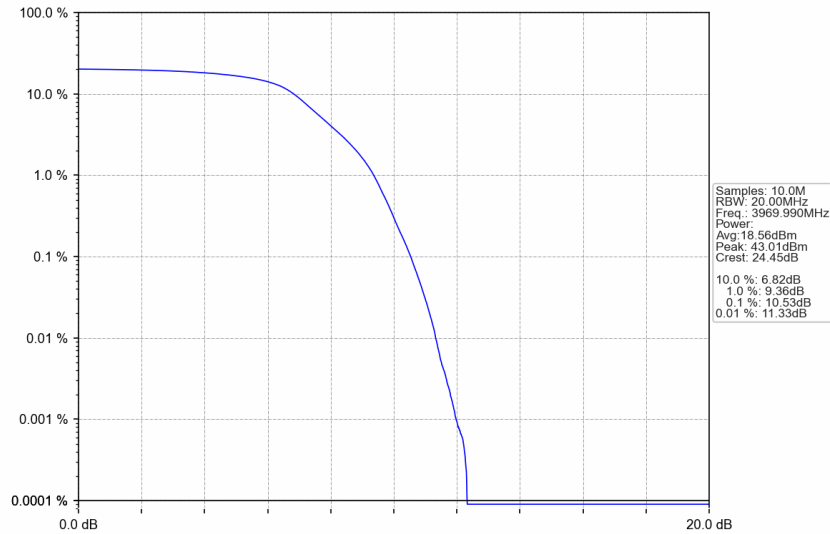
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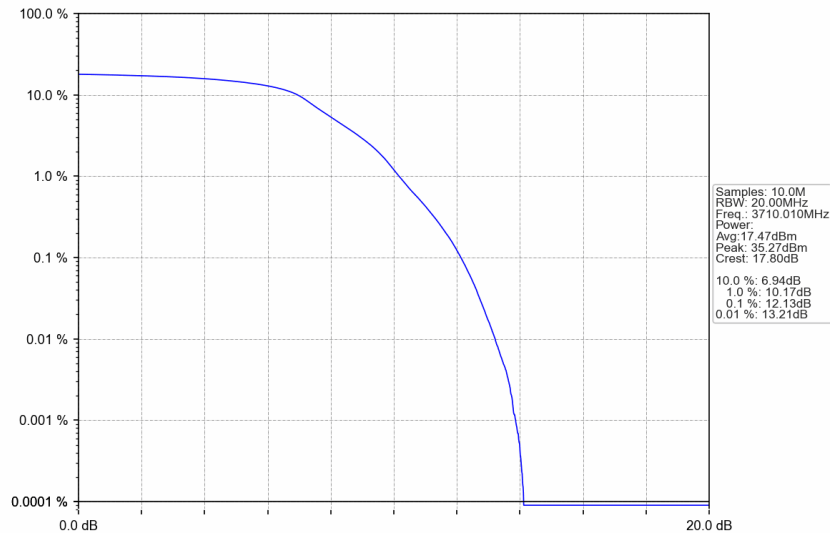
Rev.: 01

Page: 560 of 1239

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Outer_Full



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3710.01MHz_Outer_Full



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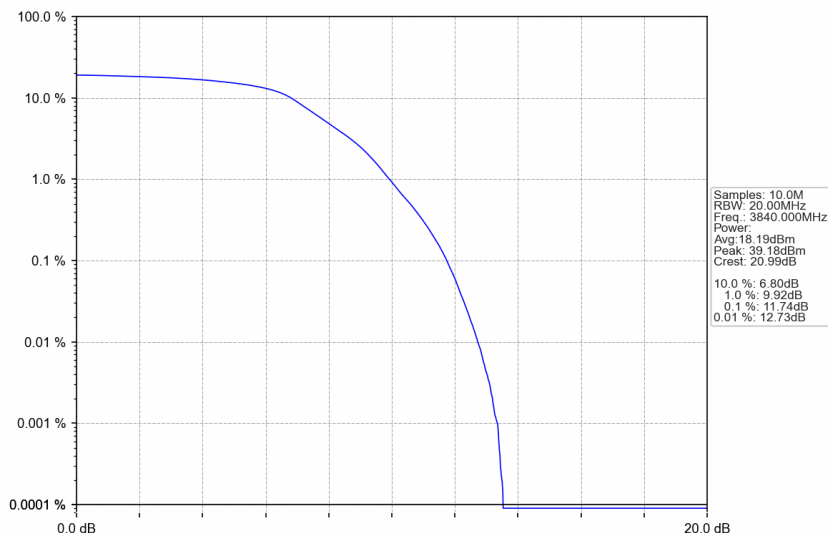
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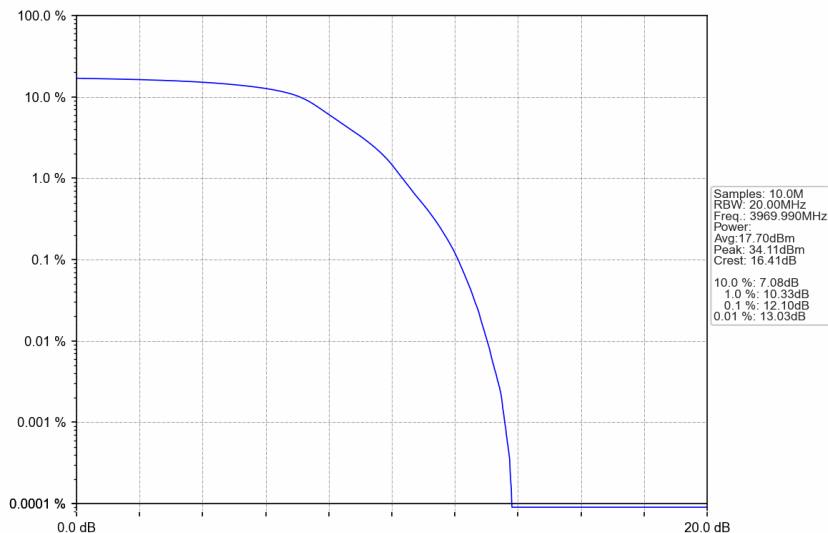
Rev.: 01

Page: 561 of 1239

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n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Outer_Full



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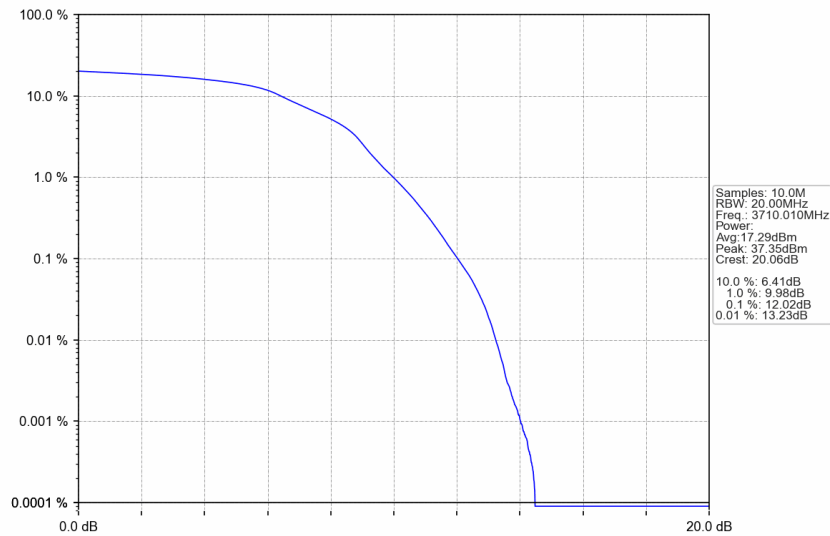
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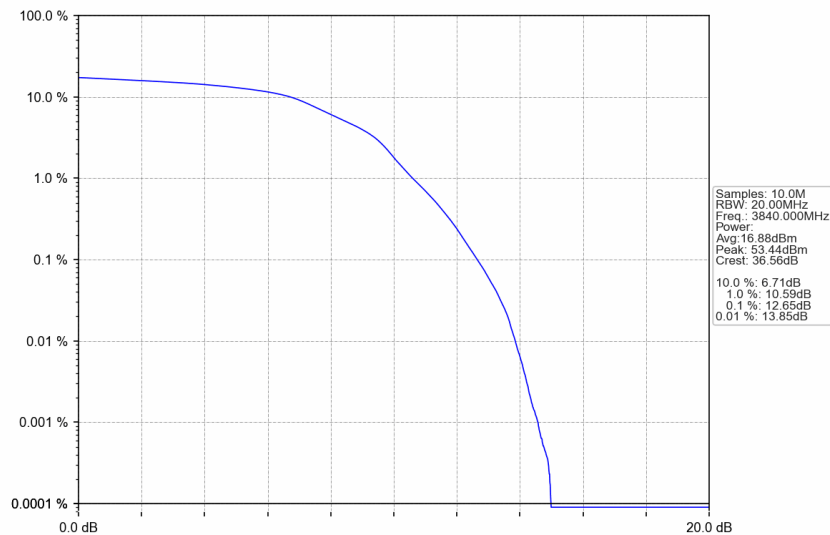
Rev.: 01

Page: 562 of 1239

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_3710.01MHz_Outer_Full



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_3840MHz_Outer_Full



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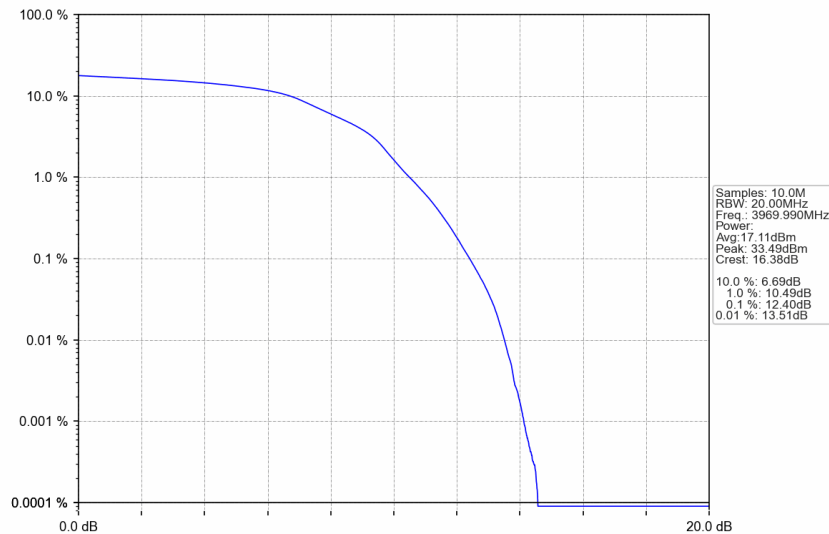


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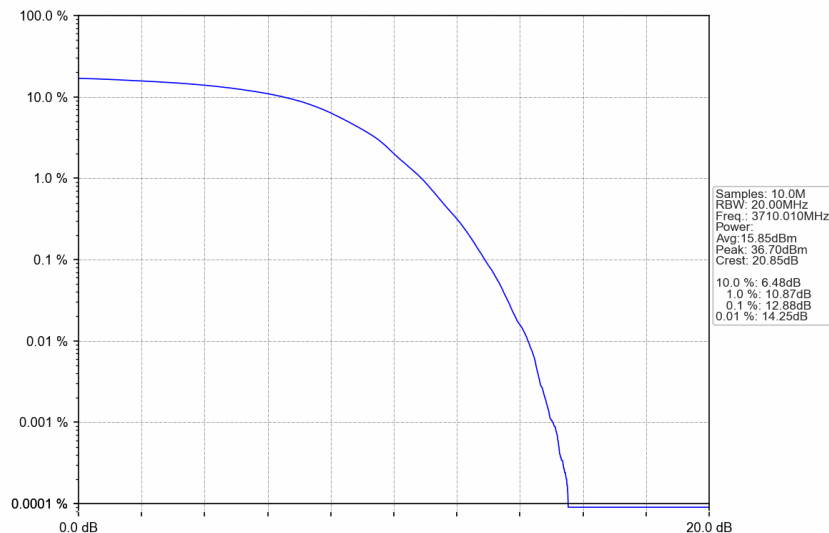
Rev.: 01

Page: 563 of 1239

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_3969.99MHz_Outer_Full



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_3710.01MHz_Outer_Full



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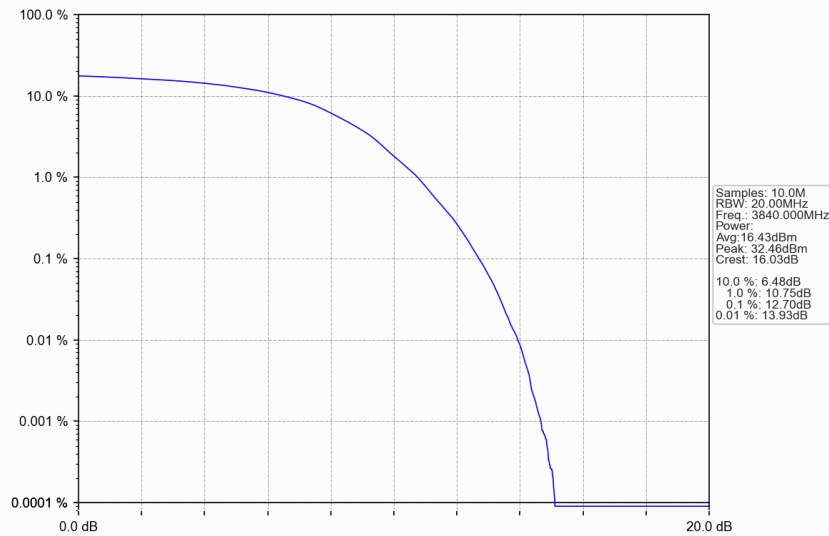
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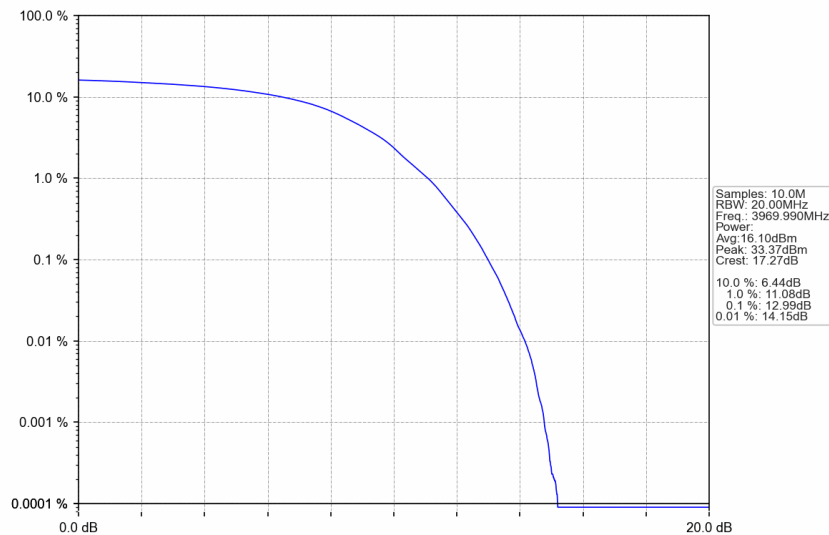
Rev.: 01

Page: 564 of 1239

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_3969.99MHz_Outer_Full



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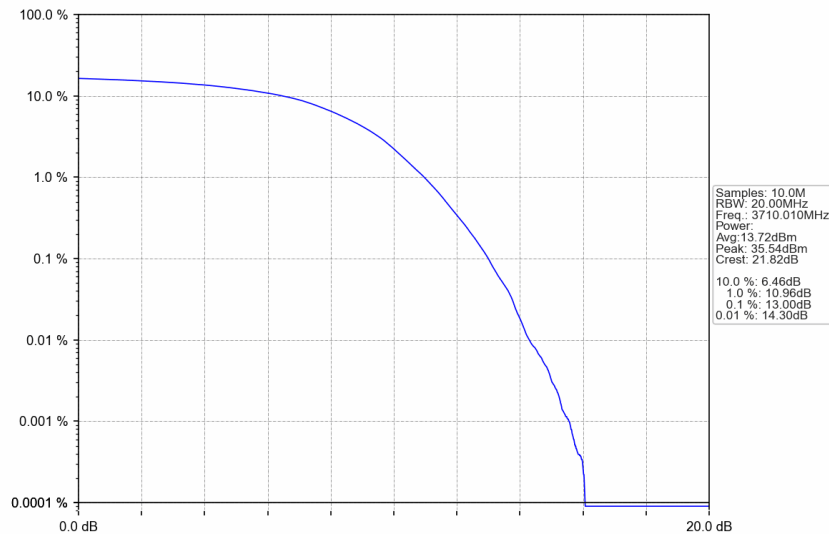
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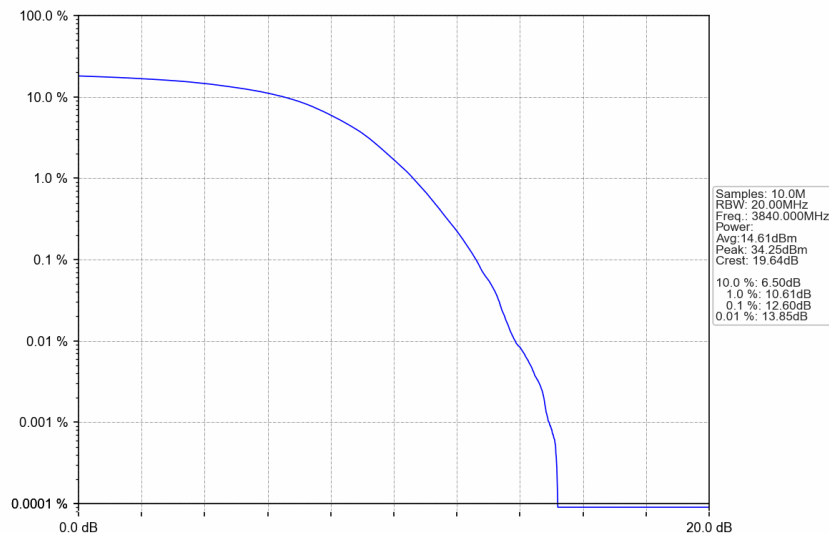
Rev.: 01

Page: 565 of 1239

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3710.01MHz_Outer_Full



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3840MHz_Outer_Full



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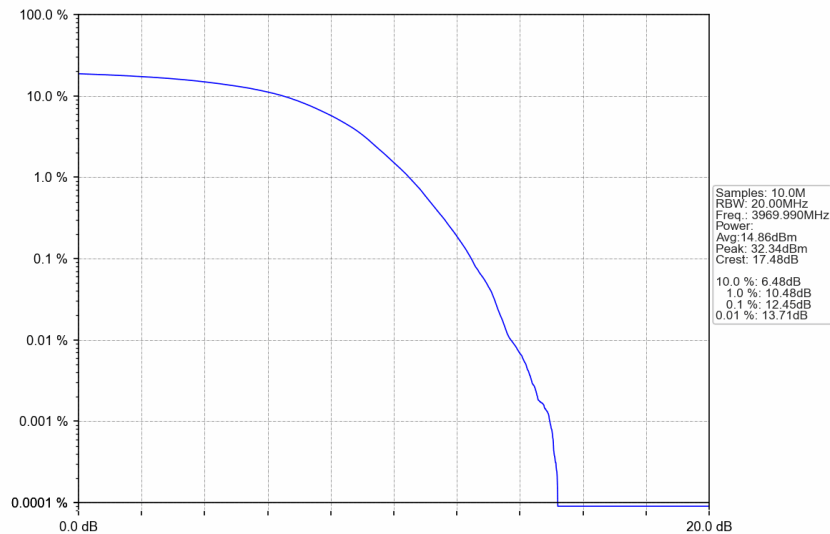
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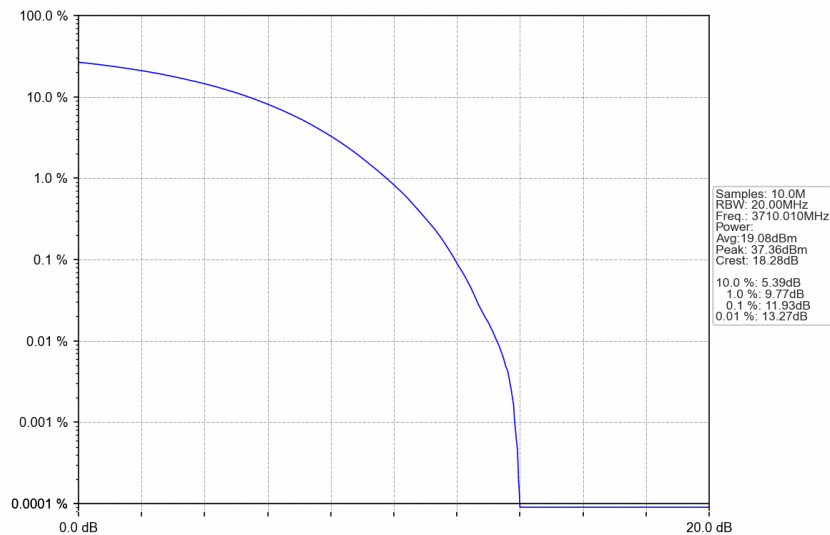
Rev.: 01

Page: 566 of 1239

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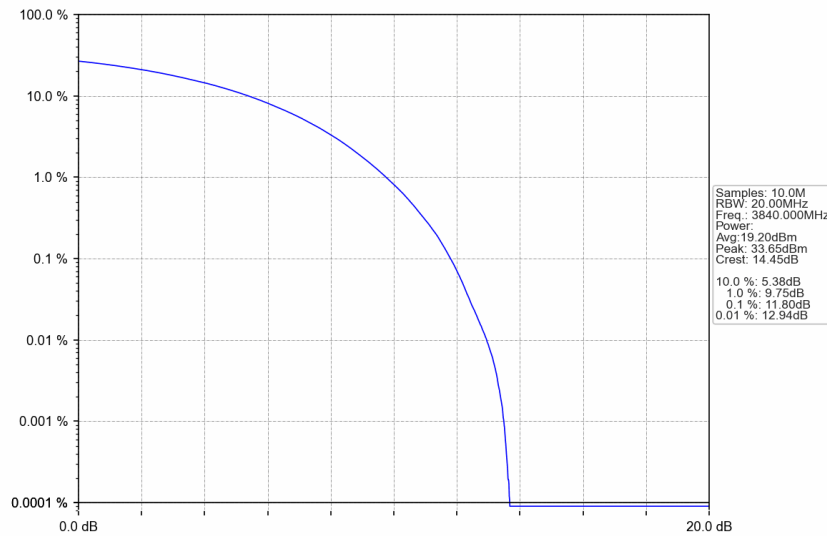
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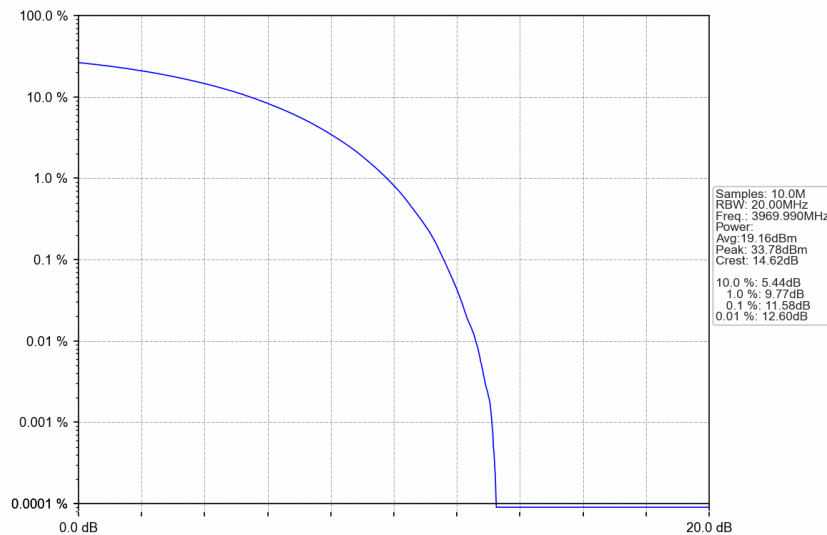
Rev.: 01

Page: 567 of 1239

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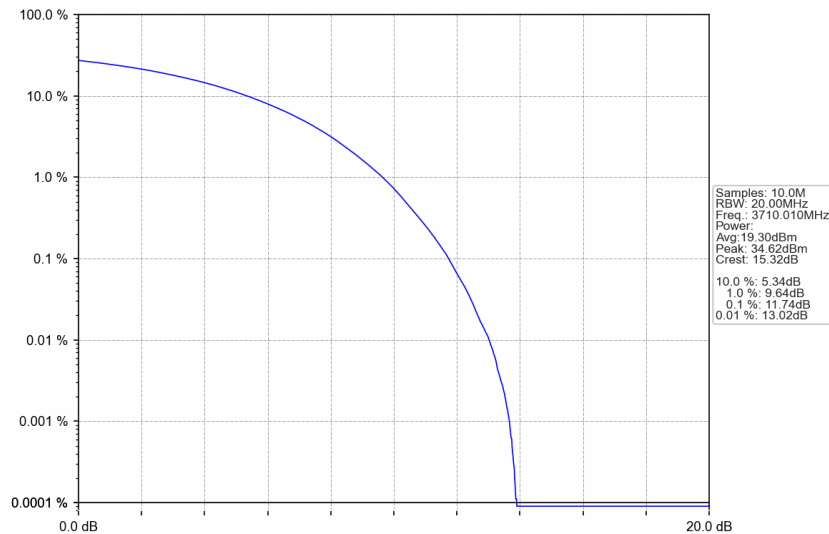
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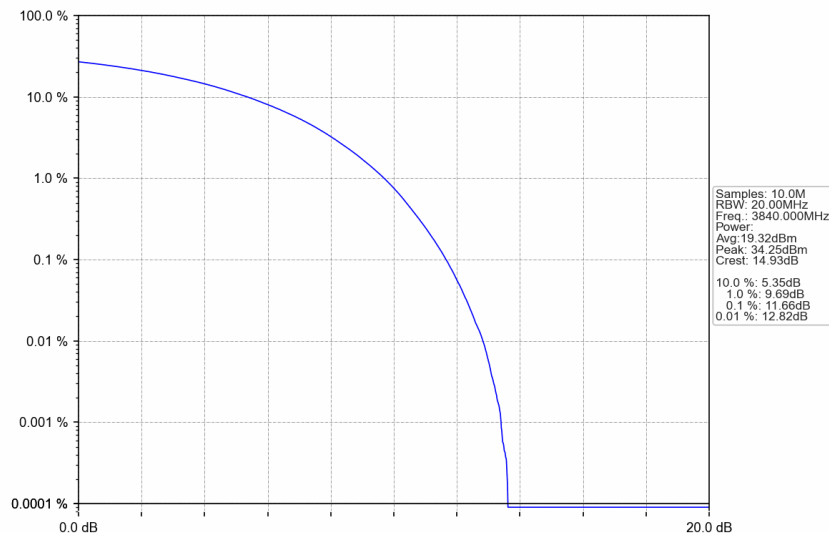
Rev.: 01

Page: 568 of 1239

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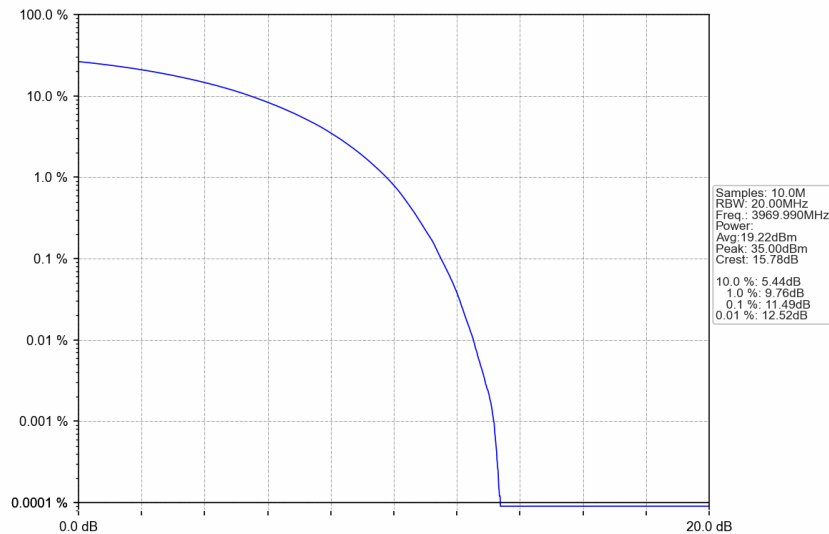
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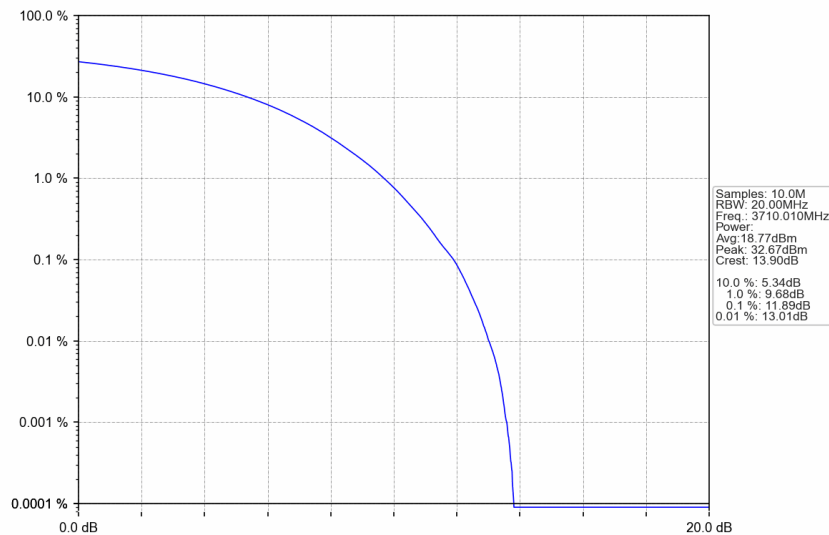
Rev.: 01

Page: 569 of 1239

n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3969.99MHz_Outer_Full



n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3710.01MHz_Outer_Full



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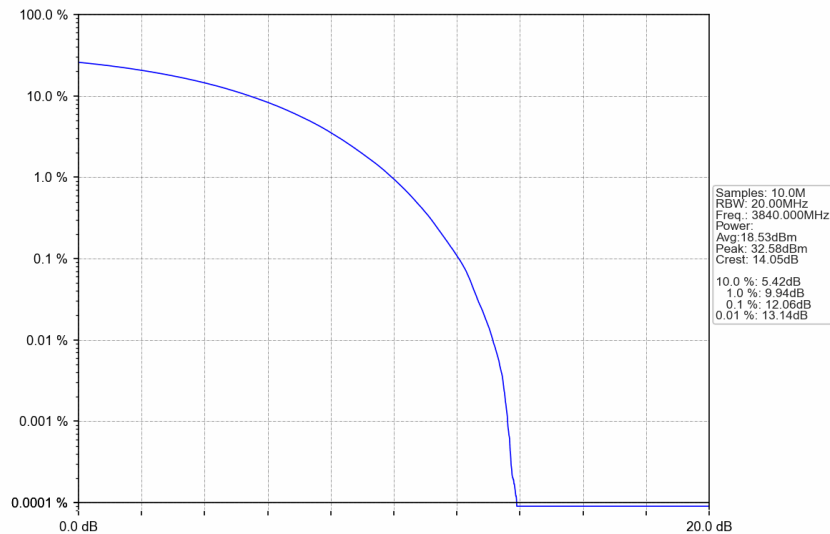


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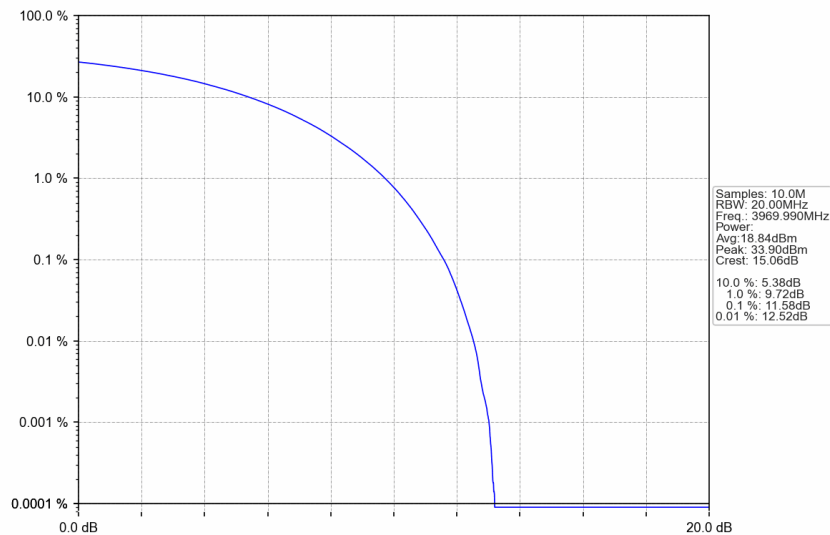
Rev.: 01

Page: 570 of 1239

n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_3969.99MHz_Outer_Full



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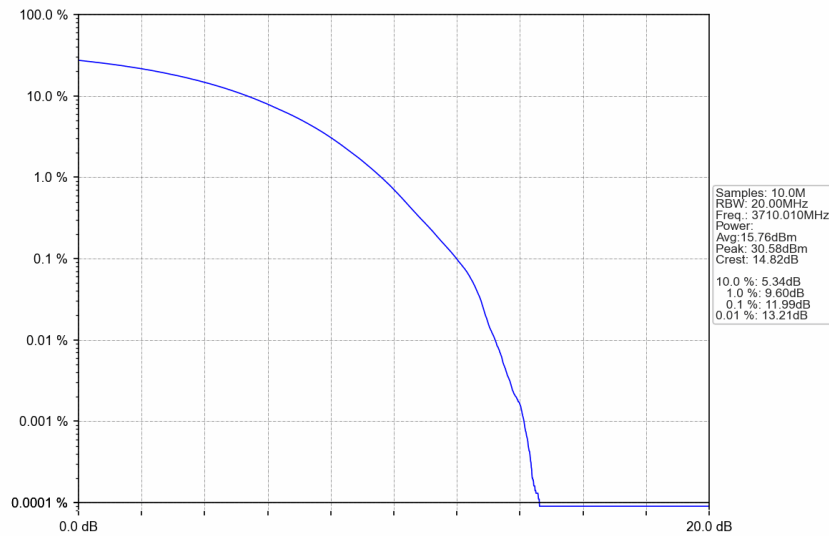
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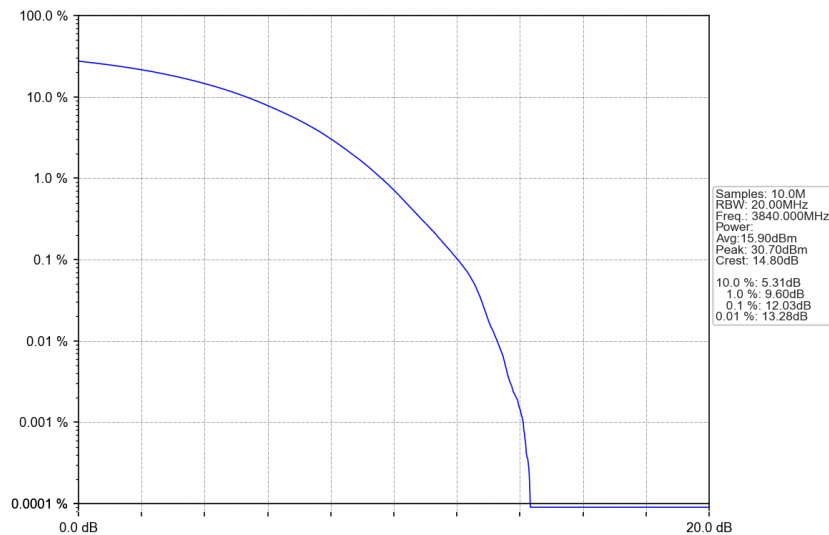
Rev.: 01

Page: 571 of 1239

n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3710.01MHz_Outer_Full



n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full



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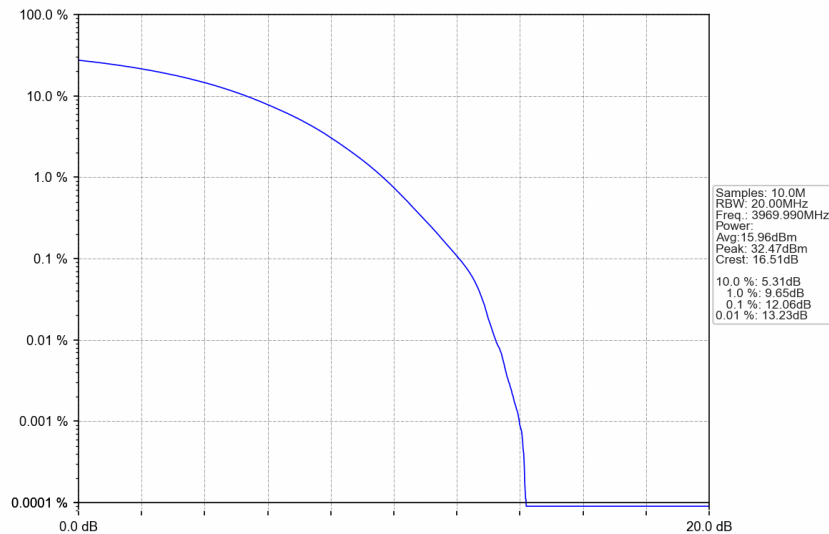
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Rev.: 01

Page: 572 of 1239

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5.11 30k_SISO_25MHz_NTNV

5.11.1 Test Result

5G NR n77a SCS=30kHz SISO 25MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3712.5	Outer_Full	11.61	/	/	<=13	Pass
	3840	Outer_Full	9.93	/	/	<=13	Pass
	3967.5	Outer_Full	9.92	/	/	<=13	Pass
DFT-s-OFDM QPSK	3712.5	Outer_Full	11.51	/	/	<=13	Pass
	3840	Outer_Full	12.12	/	/	<=13	Pass
	3967.5	Outer_Full	11.47	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3712.5	Outer_Full	12.38	/	/	<=13	Pass
	3840	Outer_Full	12.46	/	/	<=13	Pass
	3967.5	Outer_Full	12.99	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3712.5	Outer_Full	12.88	/	/	<=13	Pass
	3840	Outer_Full	12.62	/	/	<=13	Pass
	3967.5	Outer_Full	12.84	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3712.5	Outer_Full	12.65	/	/	<=13	Pass
	3840	Outer_Full	12.55	/	/	<=13	Pass
	3967.5	Outer_Full	12.68	/	/	<=13	Pass
CP-OFDM QPSK	3712.5	Outer_Full	11.95	/	/	<=13	Pass
	3840	Outer_Full	11.78	/	/	<=13	Pass
	3967.5	Outer_Full	11.57	/	/	<=13	Pass
CP-OFDM 16 QAM	3712.5	Outer_Full	11.70	/	/	<=13	Pass
	3840	Outer_Full	11.67	/	/	<=13	Pass
	3967.5	Outer_Full	11.66	/	/	<=13	Pass
CP-OFDM 64 QAM	3712.5	Outer_Full	11.61	/	/	<=13	Pass
	3840	Outer_Full	11.92	/	/	<=13	Pass
	3967.5	Outer_Full	11.46	/	/	<=13	Pass
CP-OFDM 256 QAM	3712.5	Outer_Full	11.71	/	/	<=13	Pass
	3840	Outer_Full	11.68	/	/	<=13	Pass
	3967.5	Outer_Full	11.70	/	/	<=13	Pass



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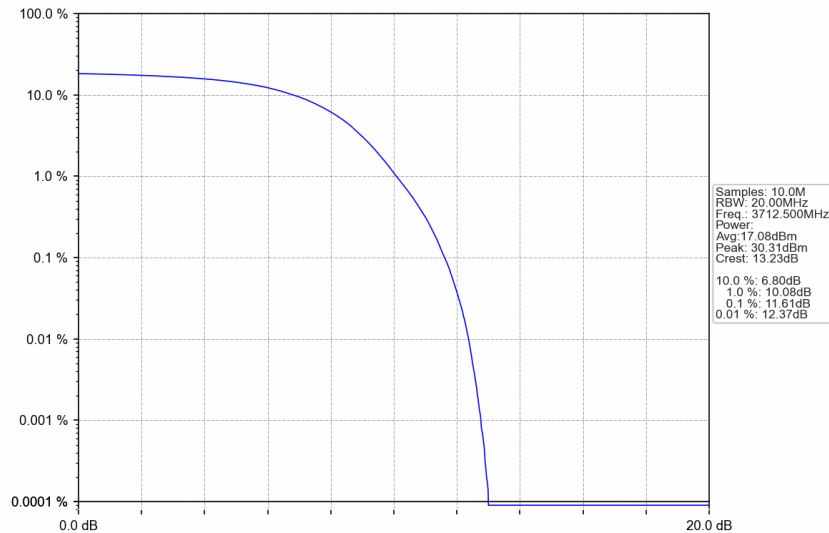
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Rev.: 01

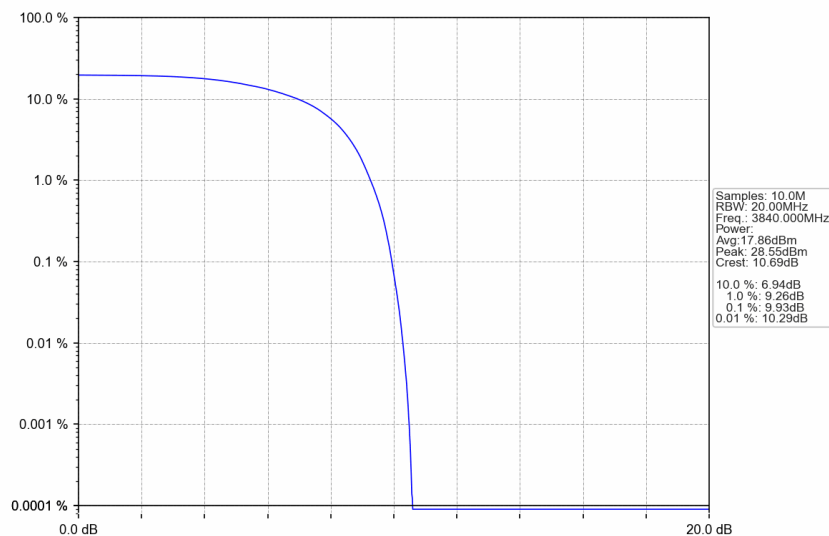
Page: 574 of 1239

5.11.2 Test Graph

n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3712.5MHz_Outer_Full



n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



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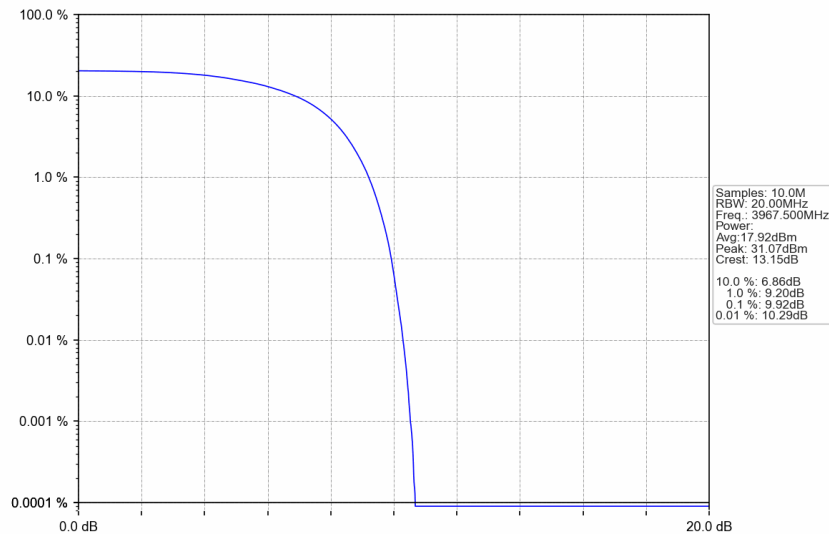
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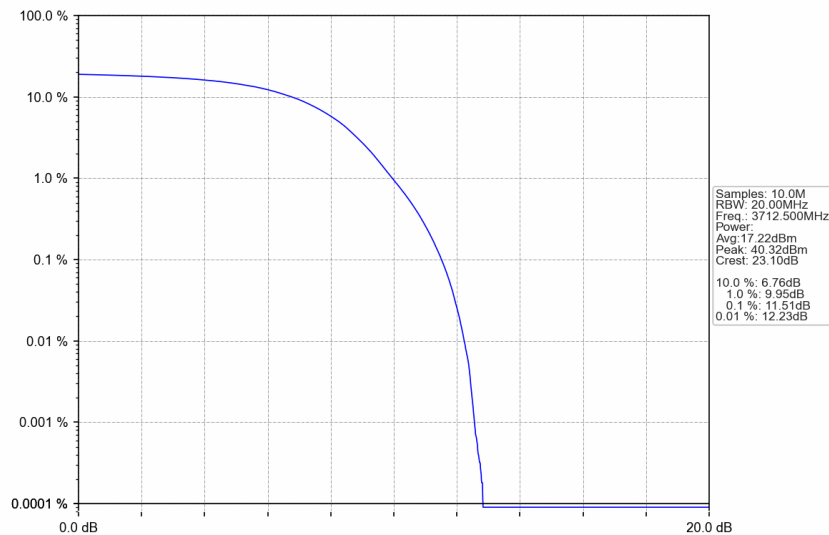
Rev.: 01

Page: 575 of 1239

n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK 3967.5MHz_Outer_Full



n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK 3712.5MHz_Outer_Full



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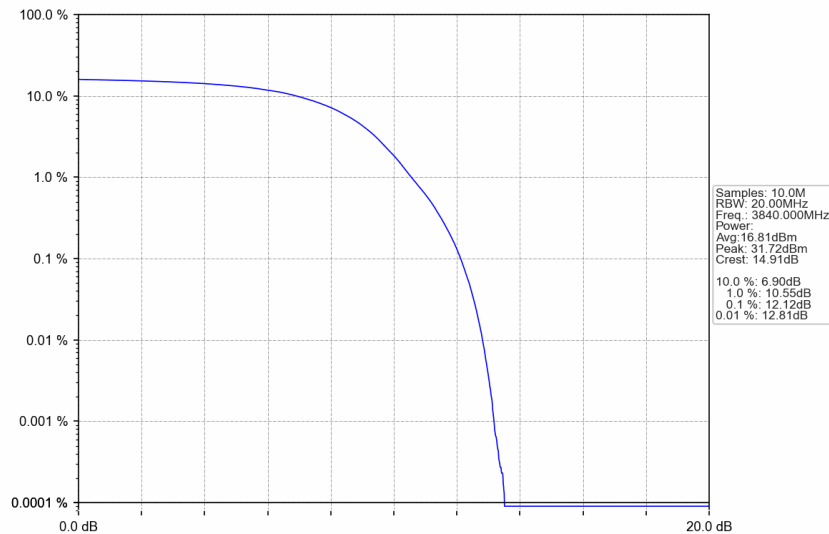
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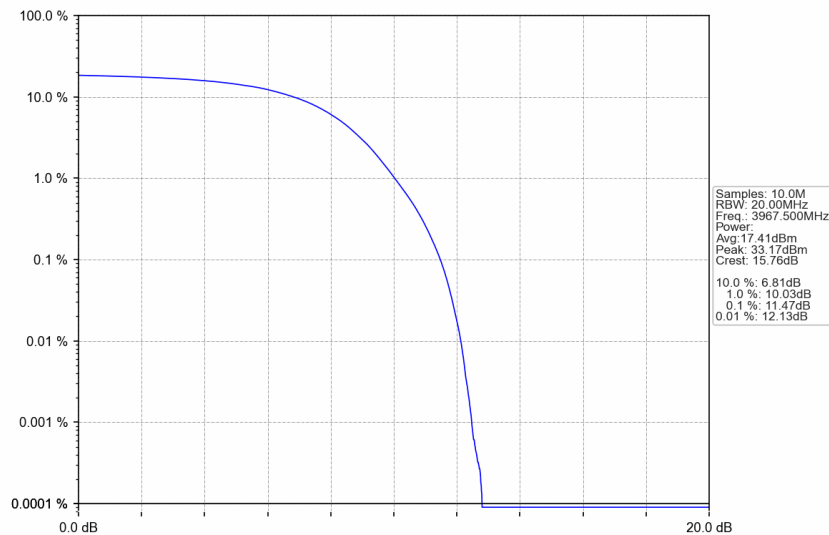
Rev.: 01

Page: 576 of 1239

n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_QPSK_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_QPSK_3967.5MHz_Outer_Full



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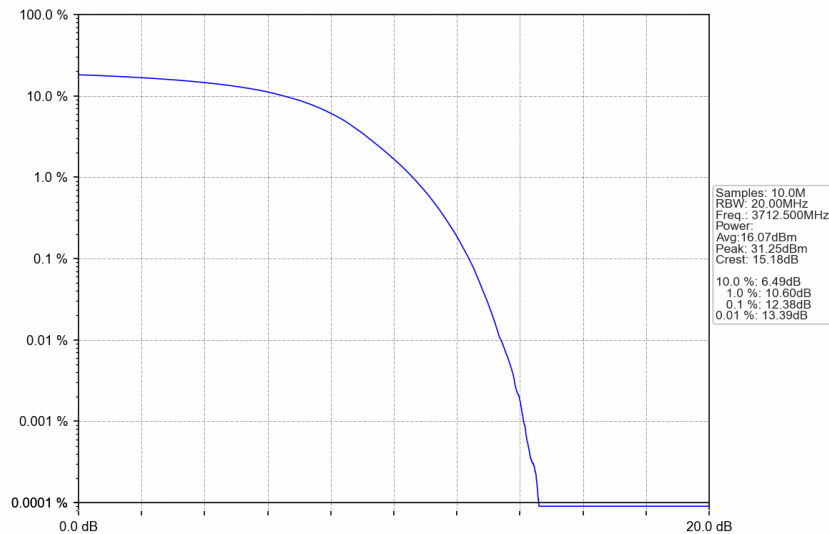
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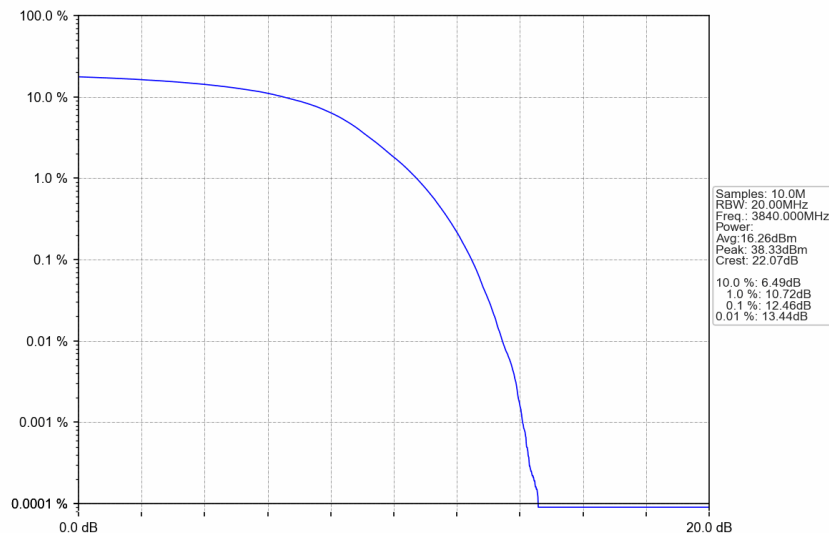
Rev.: 01

Page: 577 of 1239

n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_3712.5MHz_Outer_Full



n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_3840MHz_Outer_Full



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