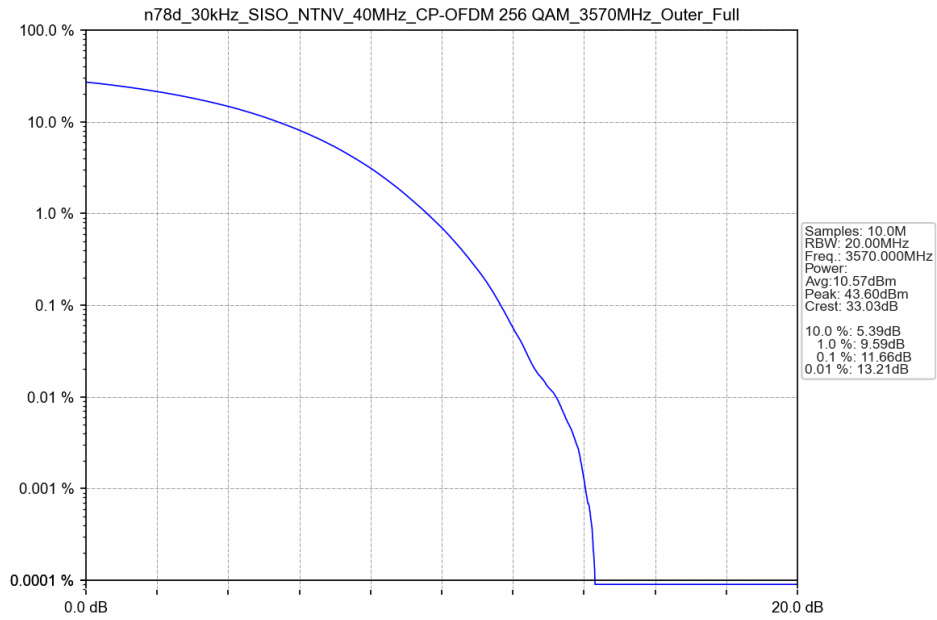
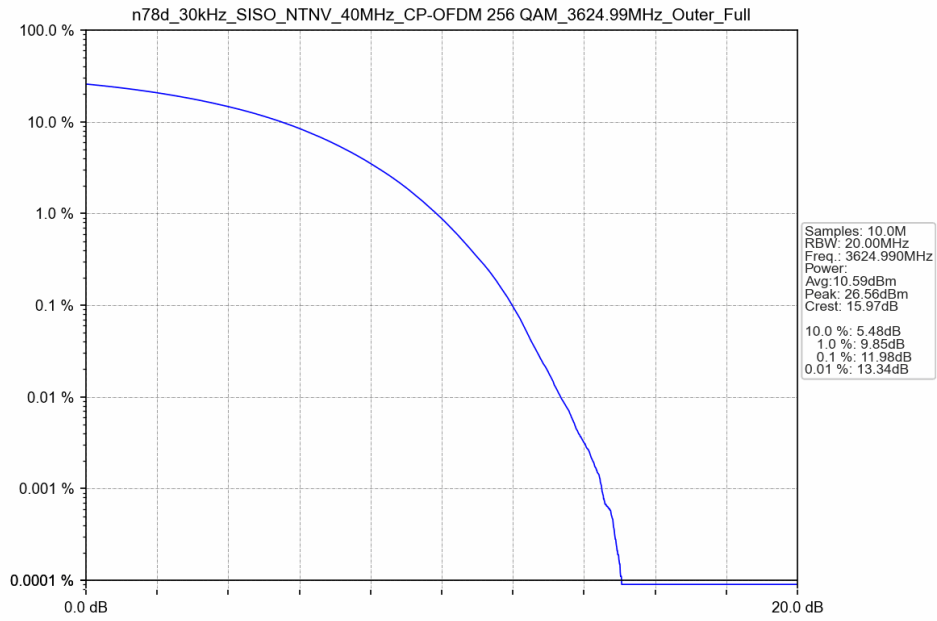


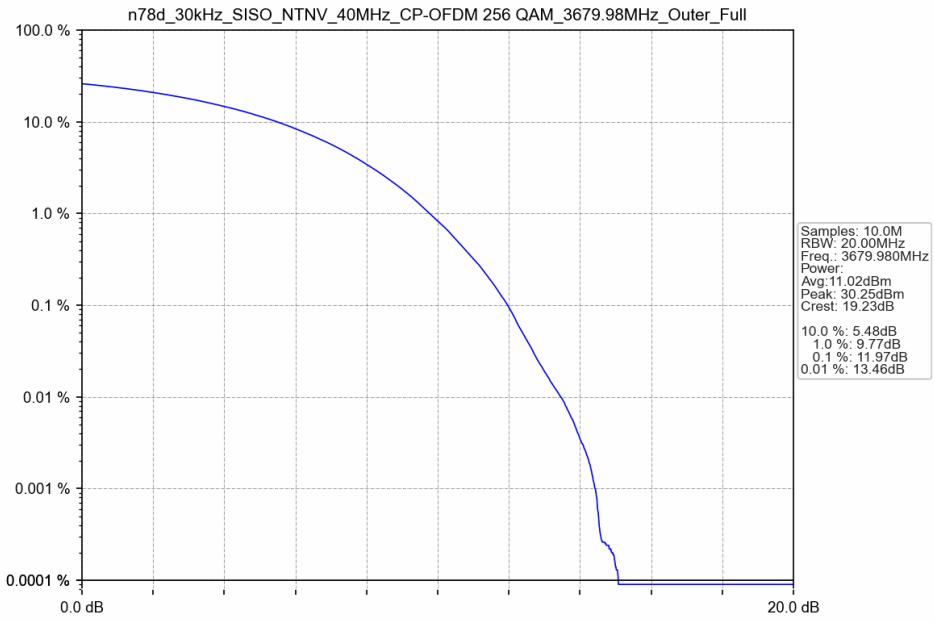
n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3570MHz_Outer_Full



n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3679.98MHz_Outer_Full



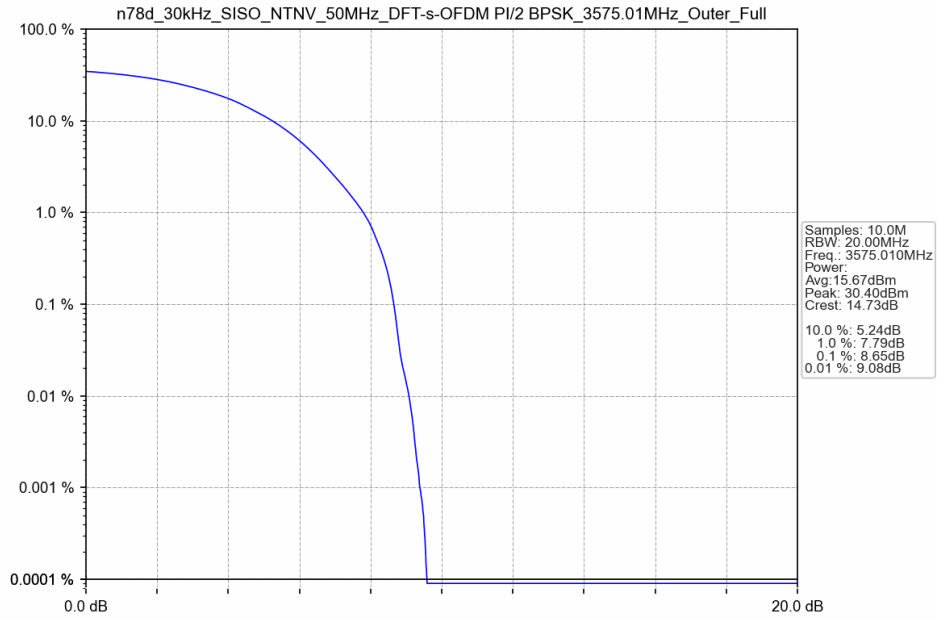
4.4 30k_SISO_50MHz_NTNV

4.4.1 Test Result

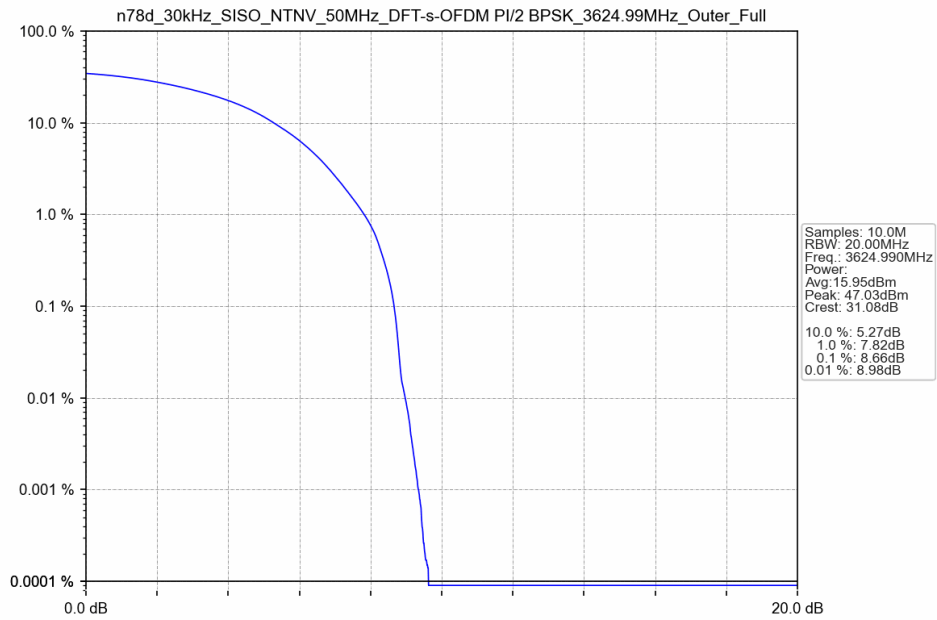
5G NR n78d SCS=30kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3575.01	Outer_Full	8.65	/	/	<=13	Pass
	3624.99	Outer_Full	8.66	/	/	<=13	Pass
	3675	Outer_Full	8.55	/	/	<=13	Pass
DFT-s-OFDM QPSK	3575.01	Outer_Full	9.94	/	/	<=13	Pass
	3624.99	Outer_Full	9.92	/	/	<=13	Pass
	3675	Outer_Full	9.86	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3575.01	Outer_Full	10.28	/	/	<=13	Pass
	3624.99	Outer_Full	10.11	/	/	<=13	Pass
	3675	Outer_Full	10.28	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3575.01	Outer_Full	10.87	/	/	<=13	Pass
	3624.99	Outer_Full	10.32	/	/	<=13	Pass
	3675	Outer_Full	10.74	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3575.01	Outer_Full	10.42	/	/	<=13	Pass
	3624.99	Outer_Full	11.21	/	/	<=13	Pass
	3675	Outer_Full	10.54	/	/	<=13	Pass
CP-OFDM QPSK	3575.01	Outer_Full	11.88	/	/	<=13	Pass
	3624.99	Outer_Full	11.54	/	/	<=13	Pass
	3675	Outer_Full	11.93	/	/	<=13	Pass
CP-OFDM 16 QAM	3575.01	Outer_Full	12.03	/	/	<=13	Pass
	3624.99	Outer_Full	11.56	/	/	<=13	Pass
	3675	Outer_Full	12.10	/	/	<=13	Pass
CP-OFDM 64 QAM	3575.01	Outer_Full	11.78	/	/	<=13	Pass
	3624.99	Outer_Full	11.91	/	/	<=13	Pass
	3675	Outer_Full	11.77	/	/	<=13	Pass
CP-OFDM 256 QAM	3575.01	Outer_Full	12.07	/	/	<=13	Pass
	3624.99	Outer_Full	11.61	/	/	<=13	Pass
	3675	Outer_Full	12.08	/	/	<=13	Pass

4.4.2 Test Graph

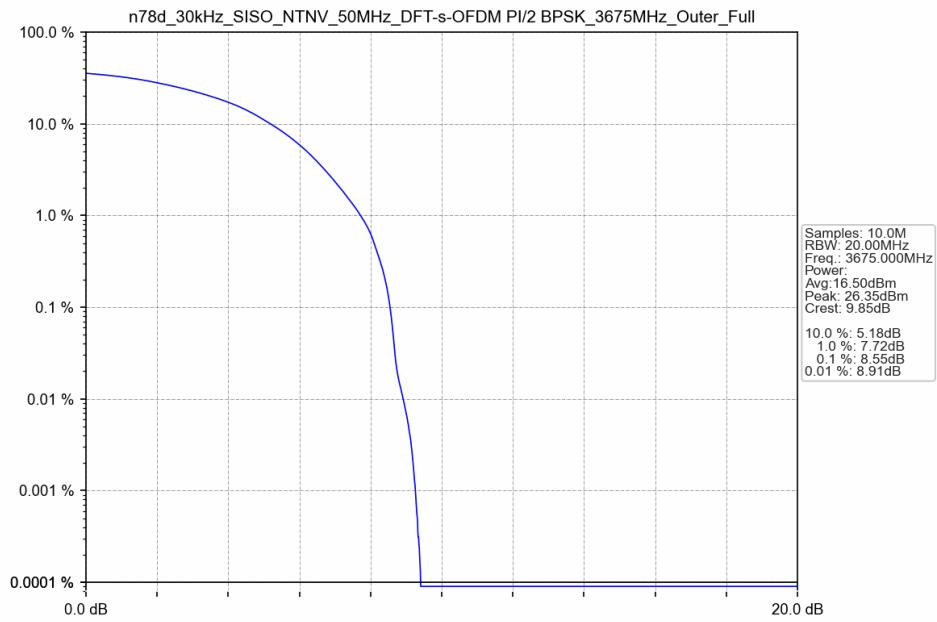
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3575.01MHz_Outer_Full



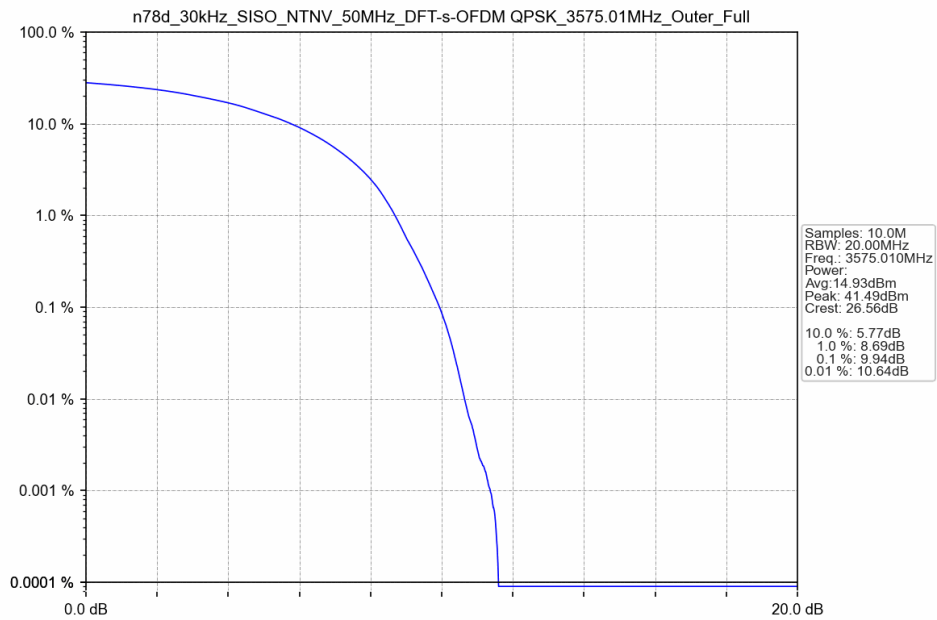
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



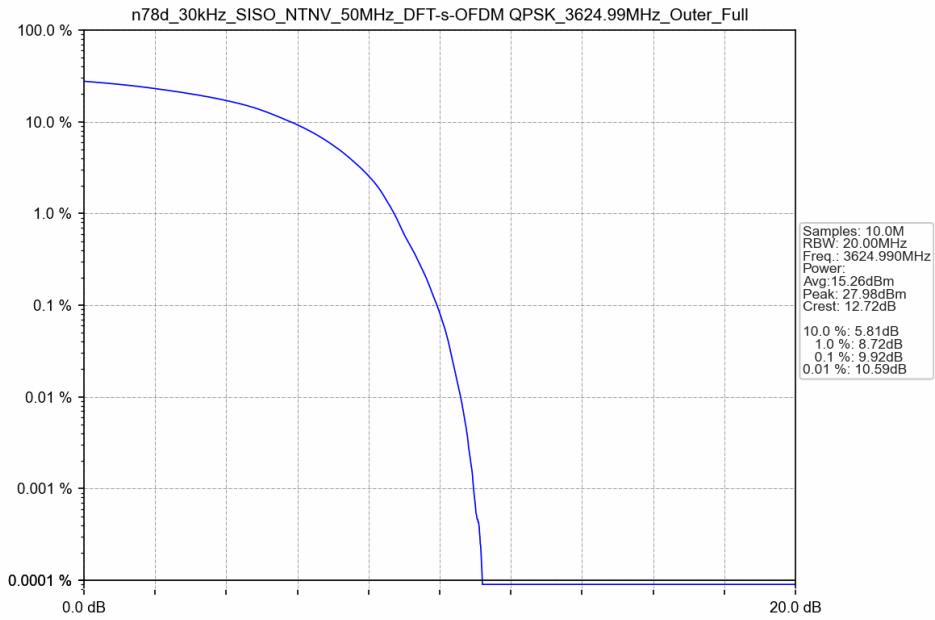
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3675MHz_Outer_Full



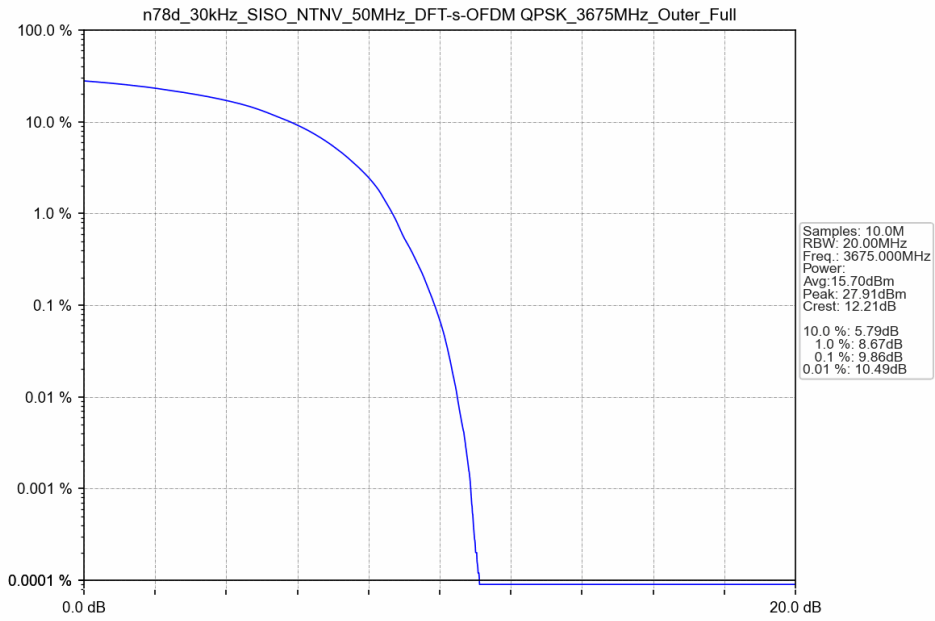
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3575.01MHz_Outer_Full



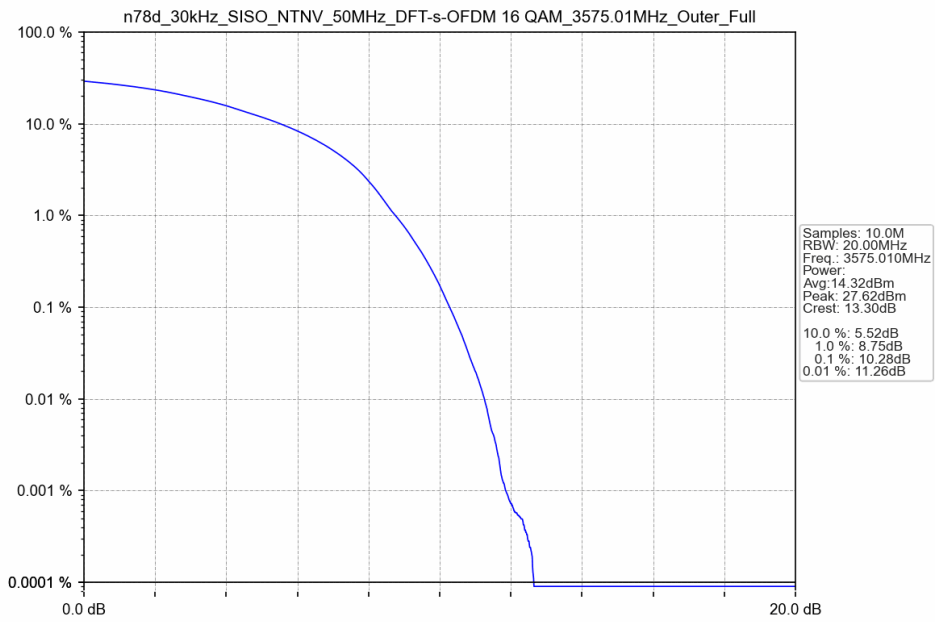
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3624.99MHz_Outer_Full



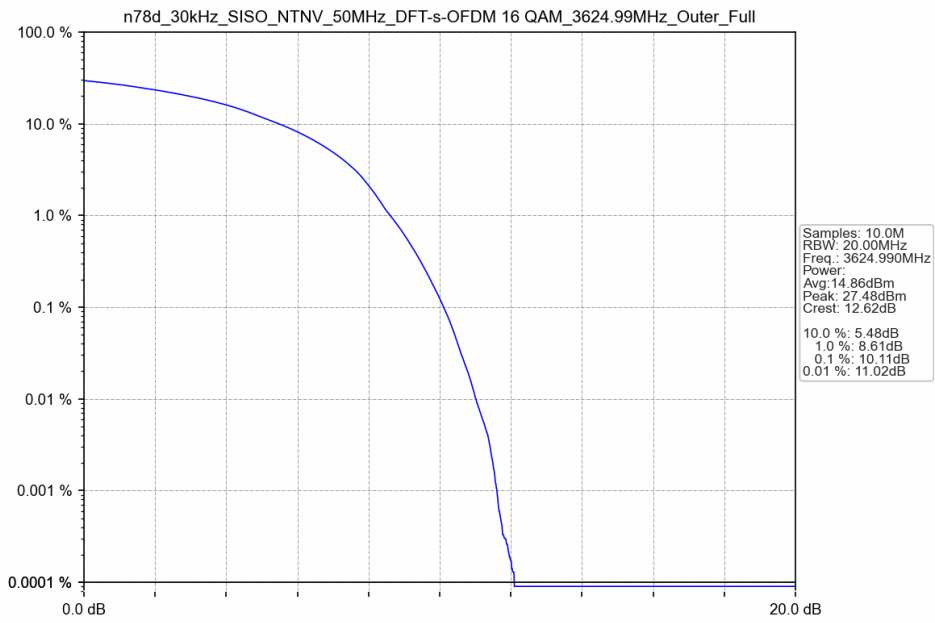
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3675MHz_Outer_Full



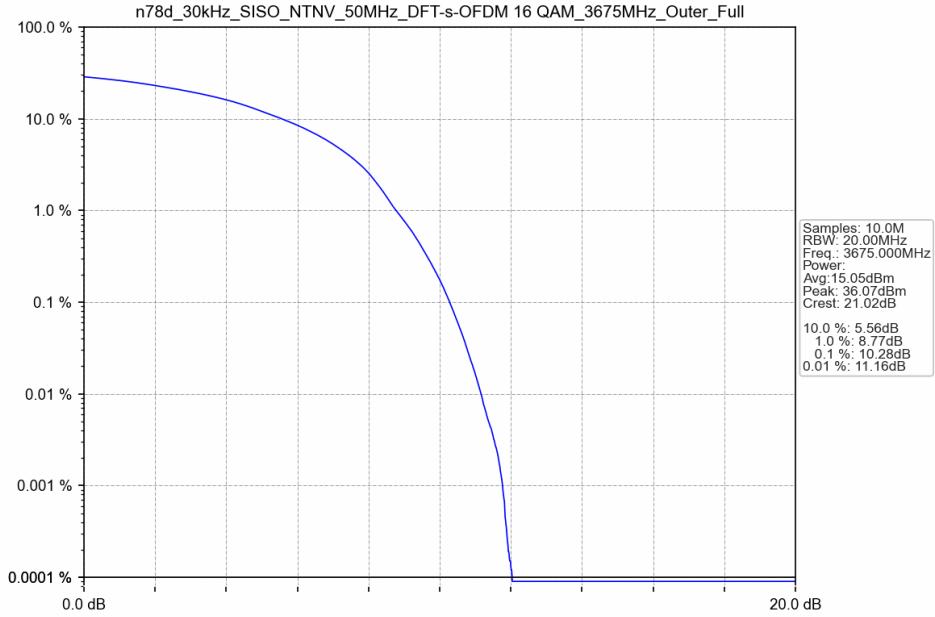
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3575.01MHz_Outer_Full



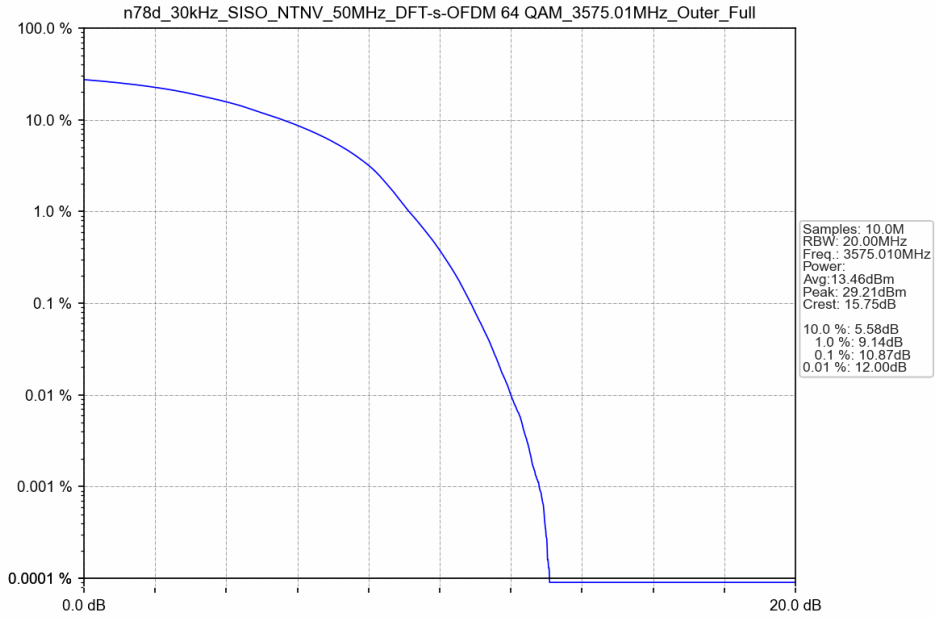
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



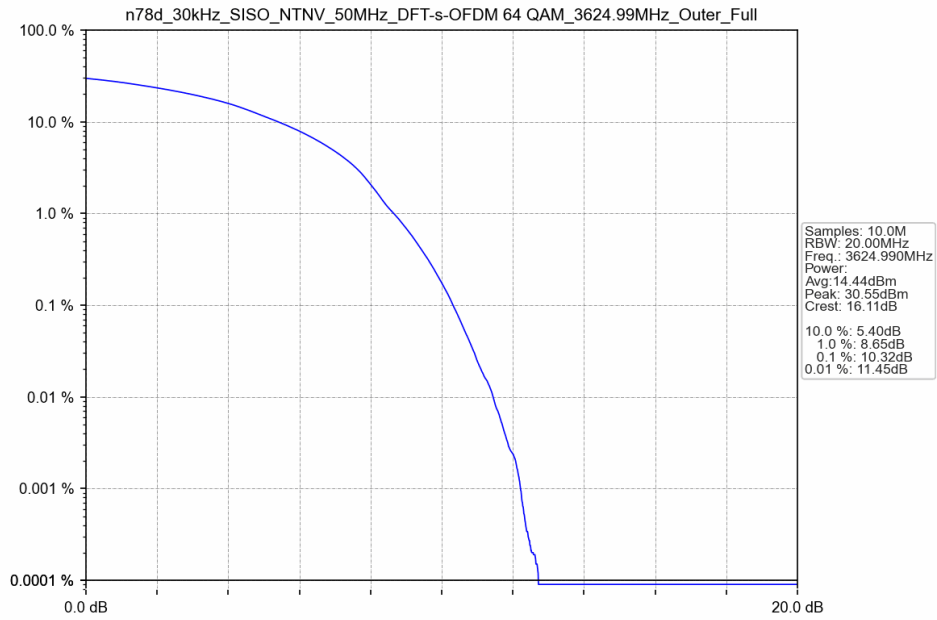
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3675MHz_Outer_Full



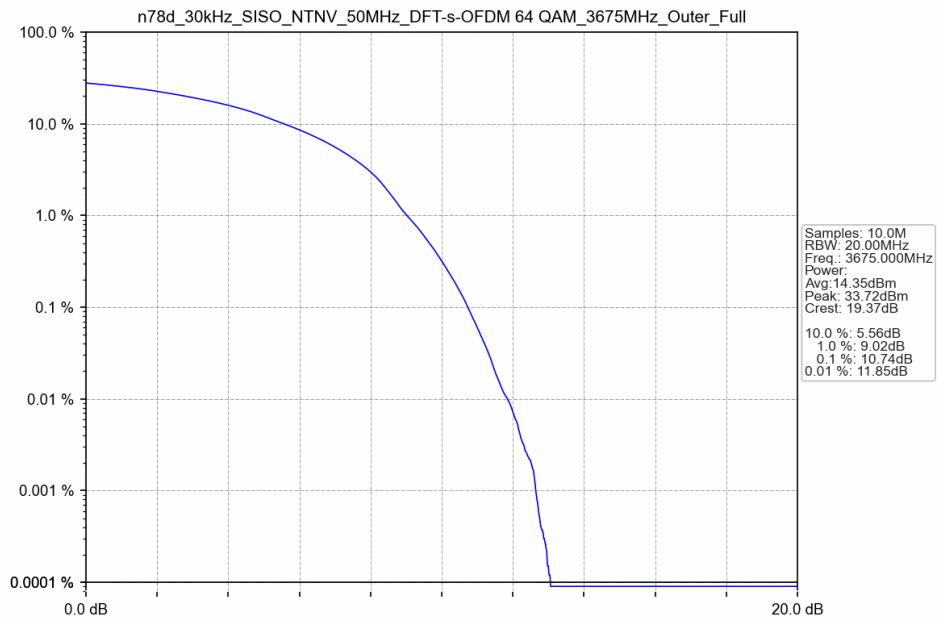
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3575.01MHz_Outer_Full



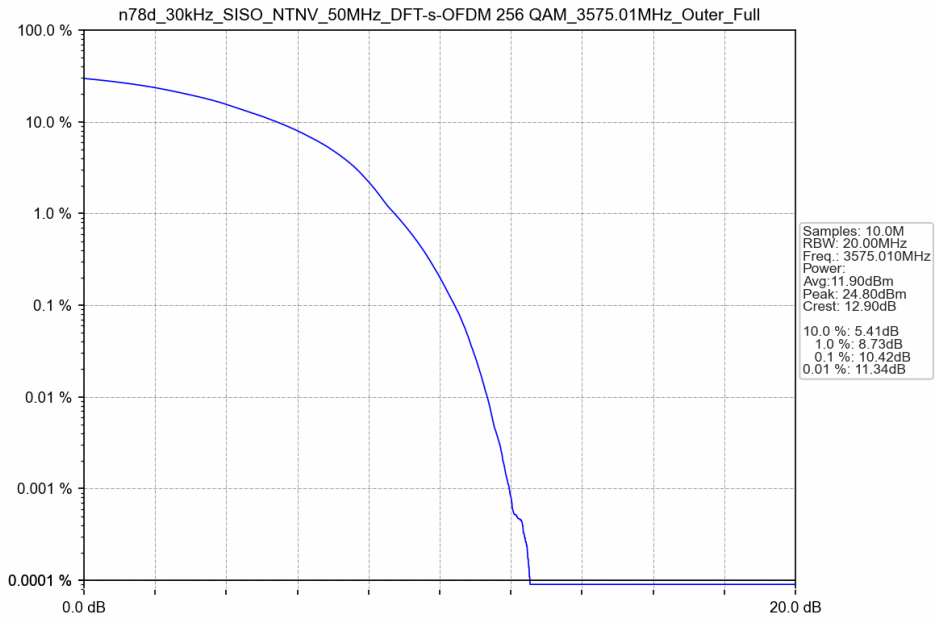
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



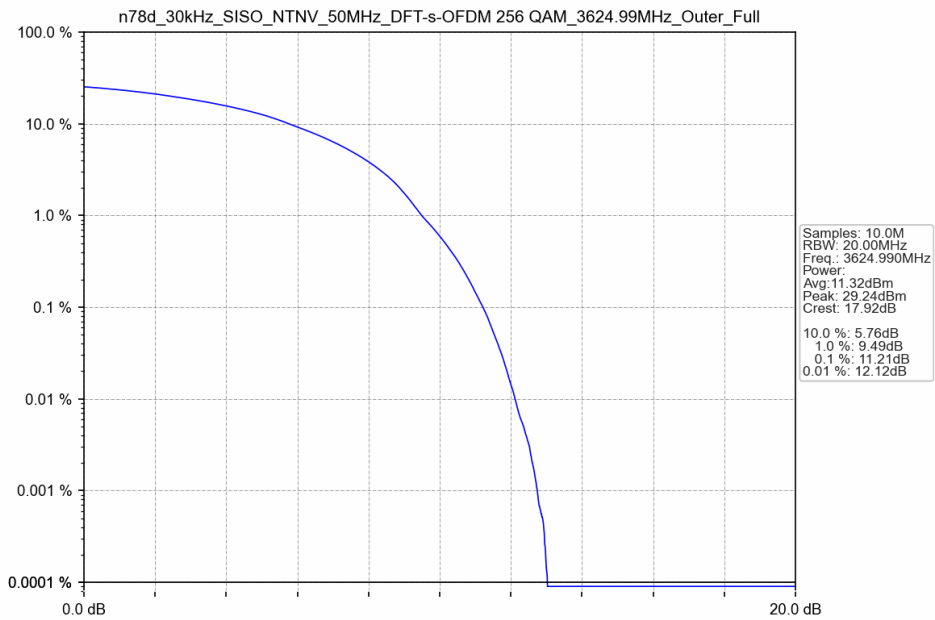
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3675MHz_Outer_Full



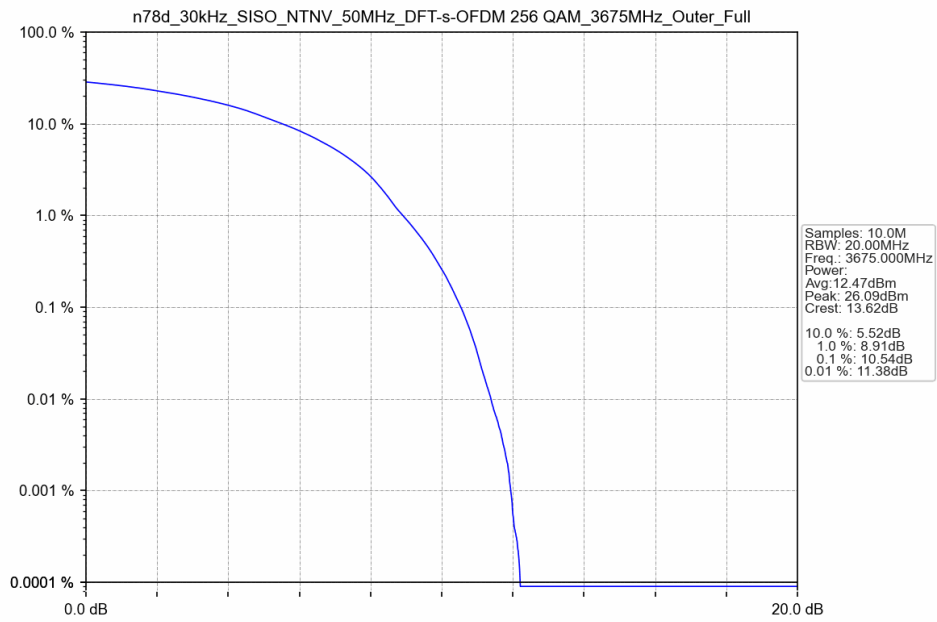
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3575.01MHz_Outer_Full



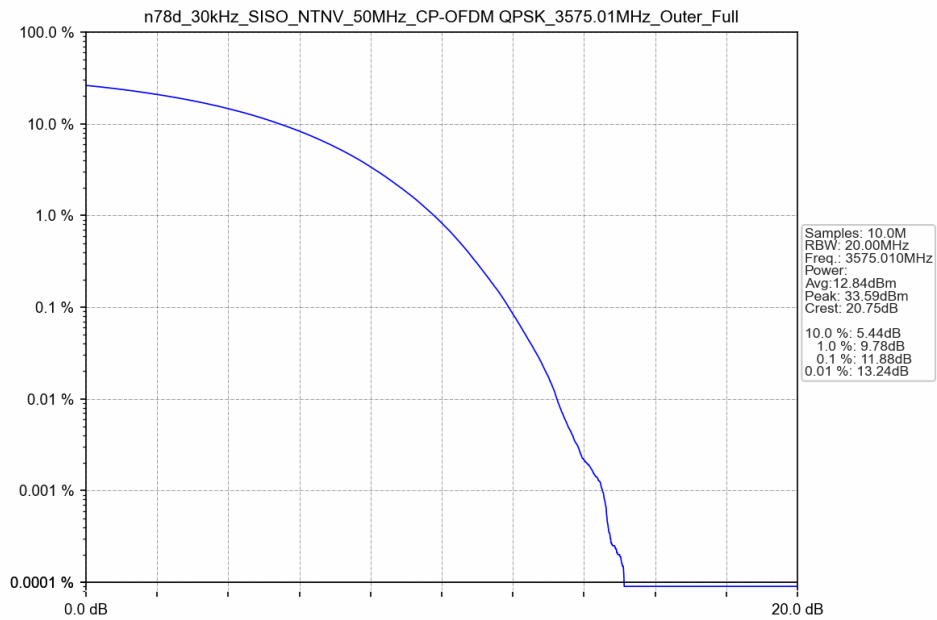
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



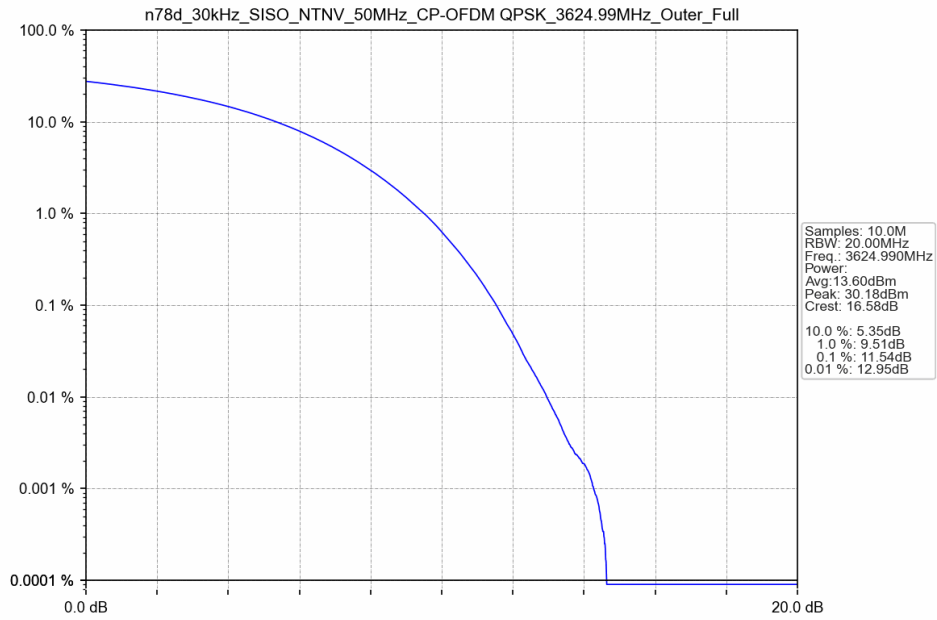
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 256 QAM_3675MHz_Outer_Full



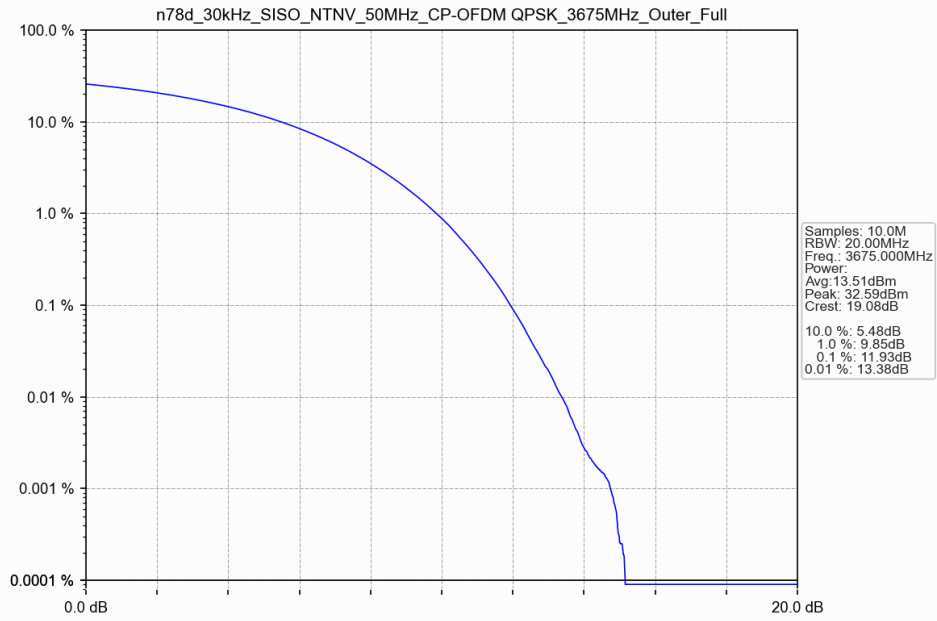
n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Outer_Full



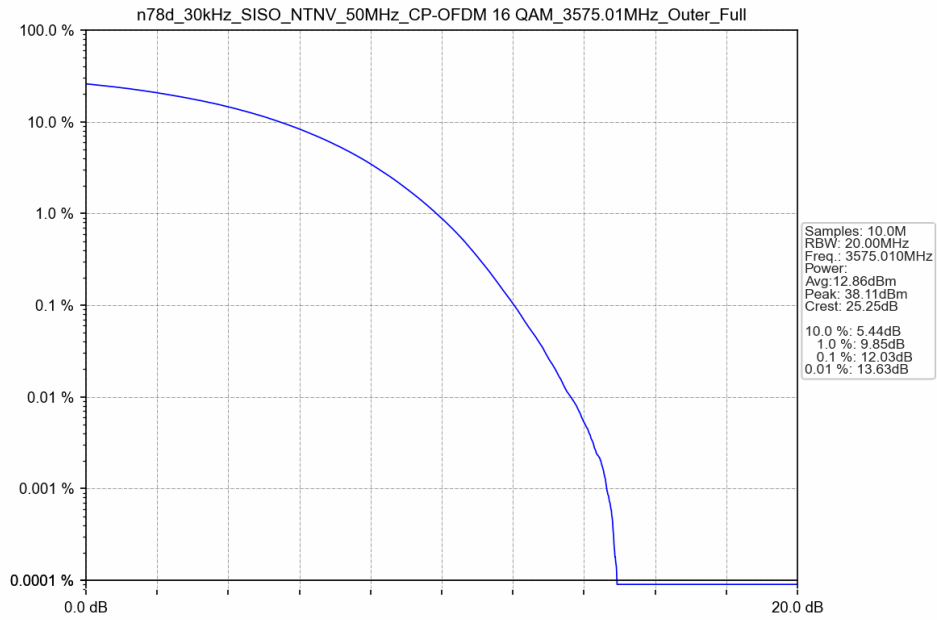
n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



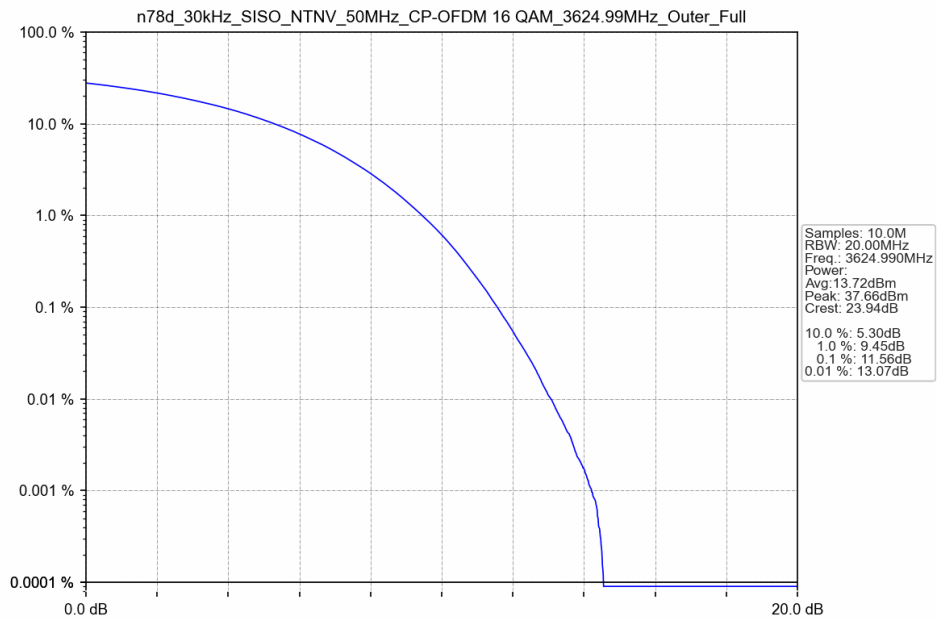
n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Outer_Full



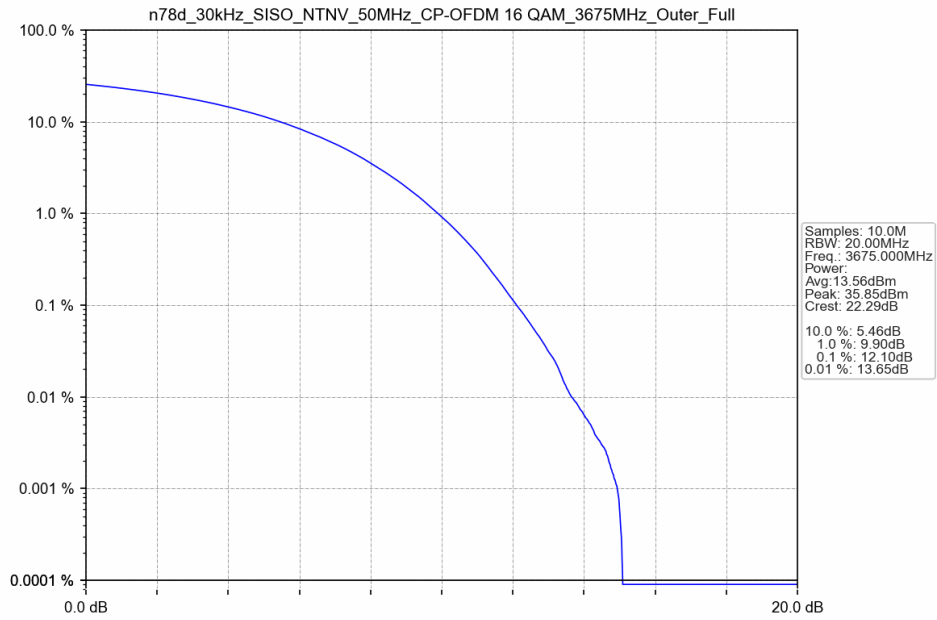
n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3575.01MHz_Outer_Full



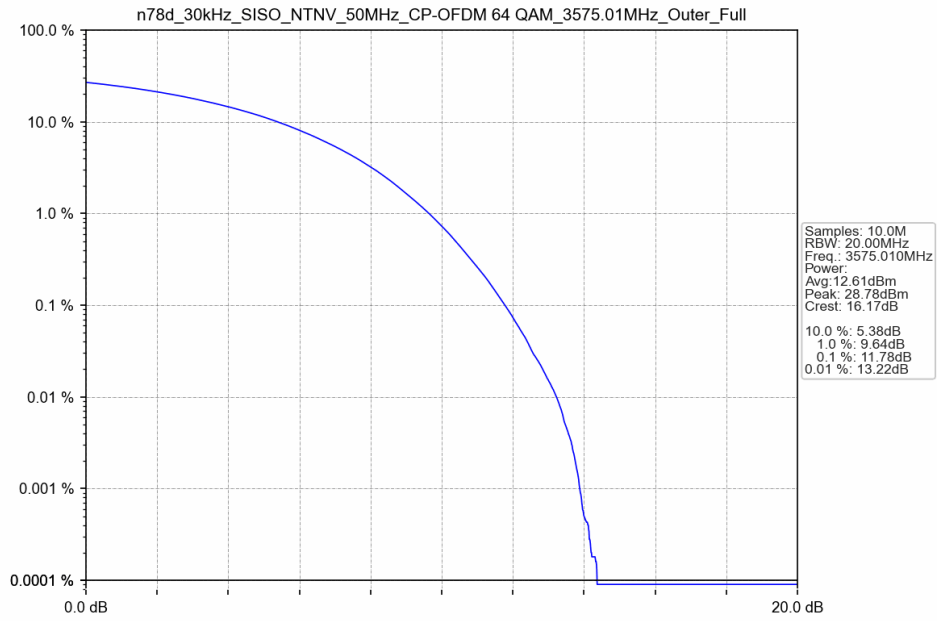
n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



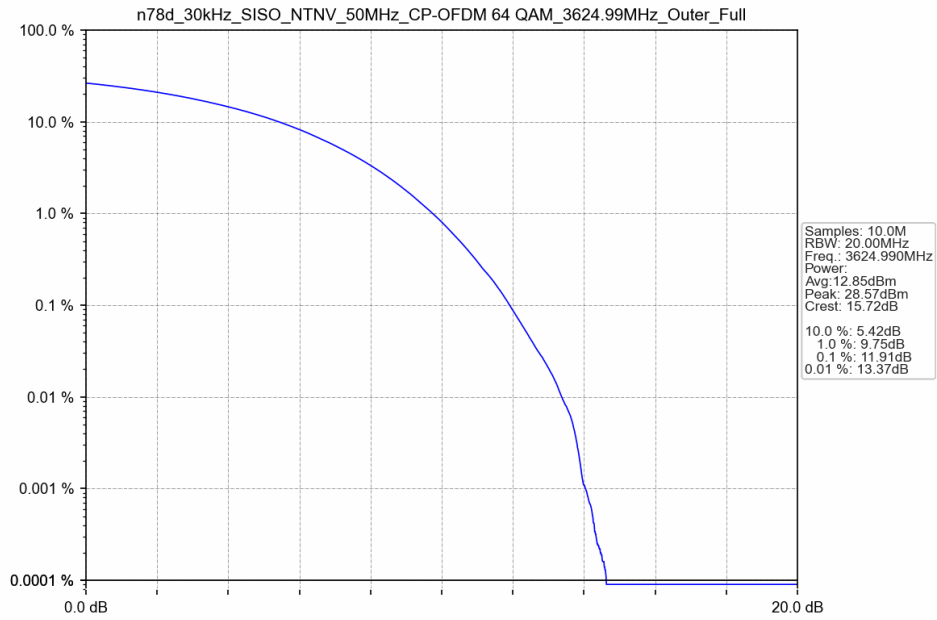
n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3675MHz_Outer_Full



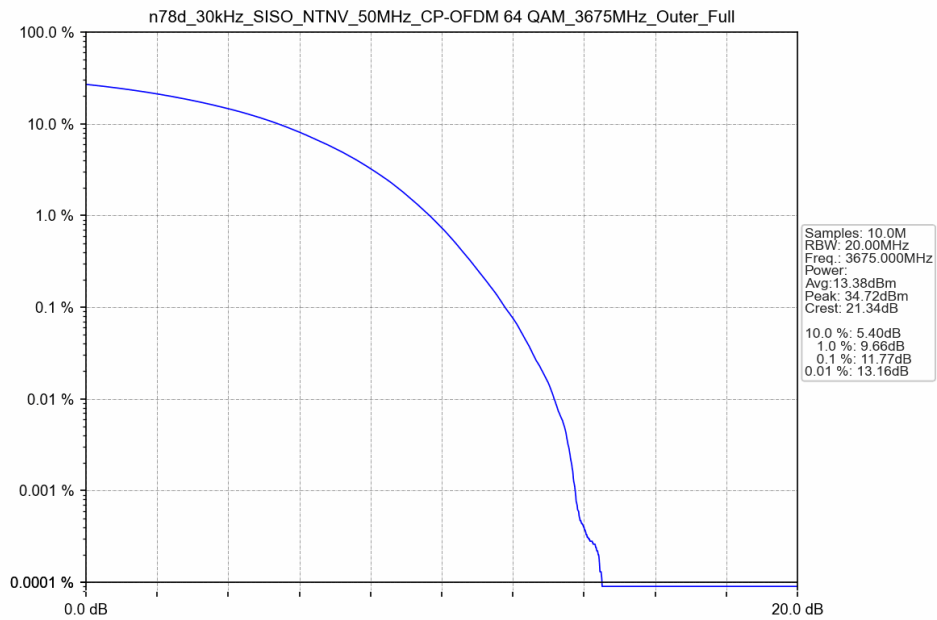
n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3575.01MHz_Outer_Full



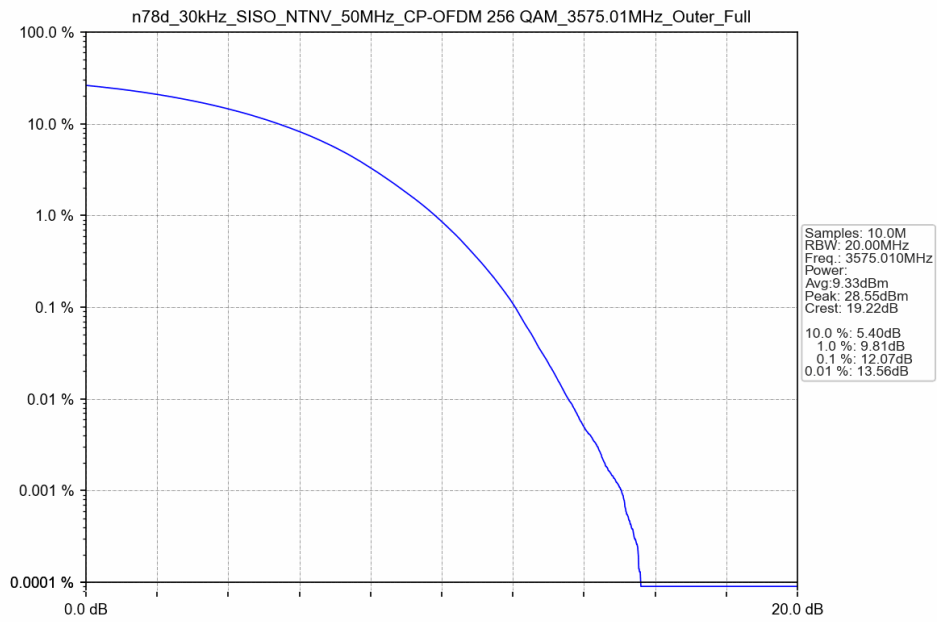
n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



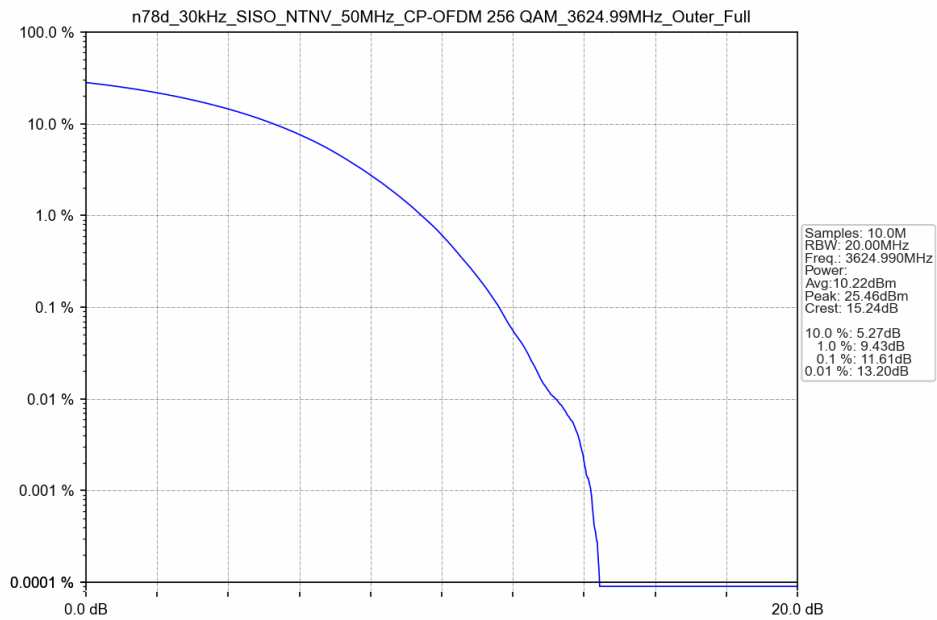
n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3675MHz_Outer_Full



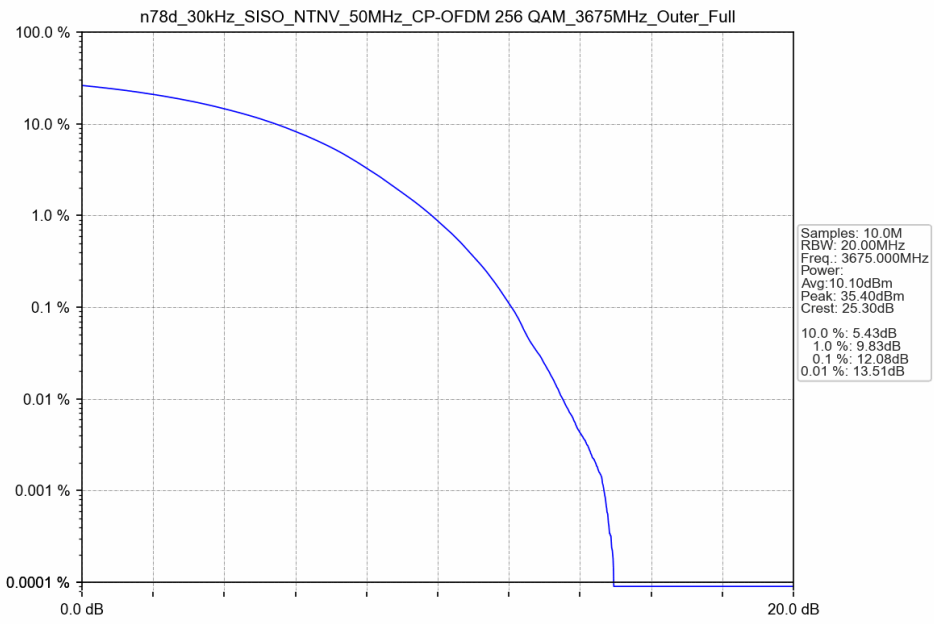
n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3575.01MHz_Outer_Full



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3675MHz_Outer_Full



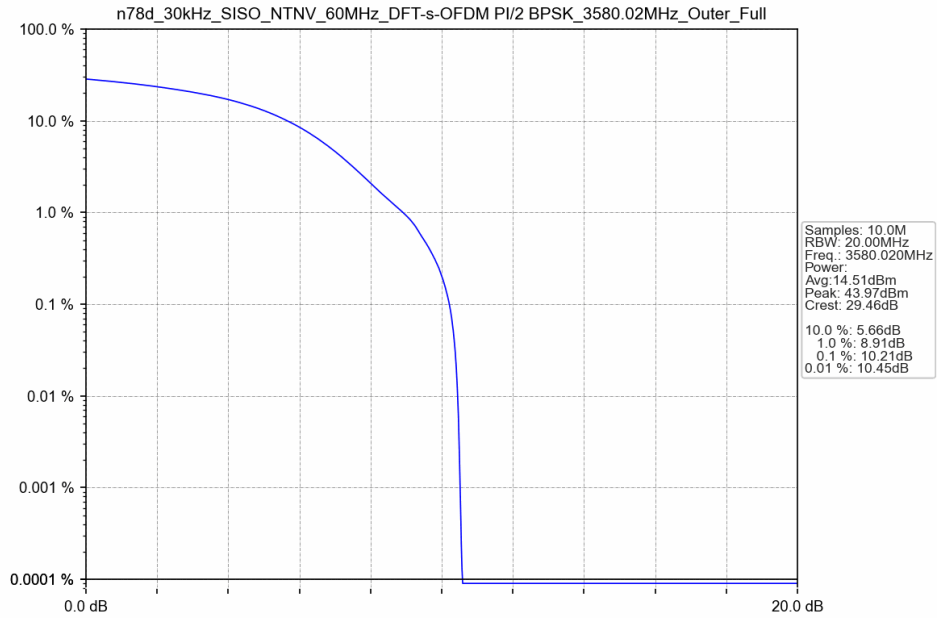
4.5 30k_SISO_60MHz_NTNV

4.5.1 Test Result

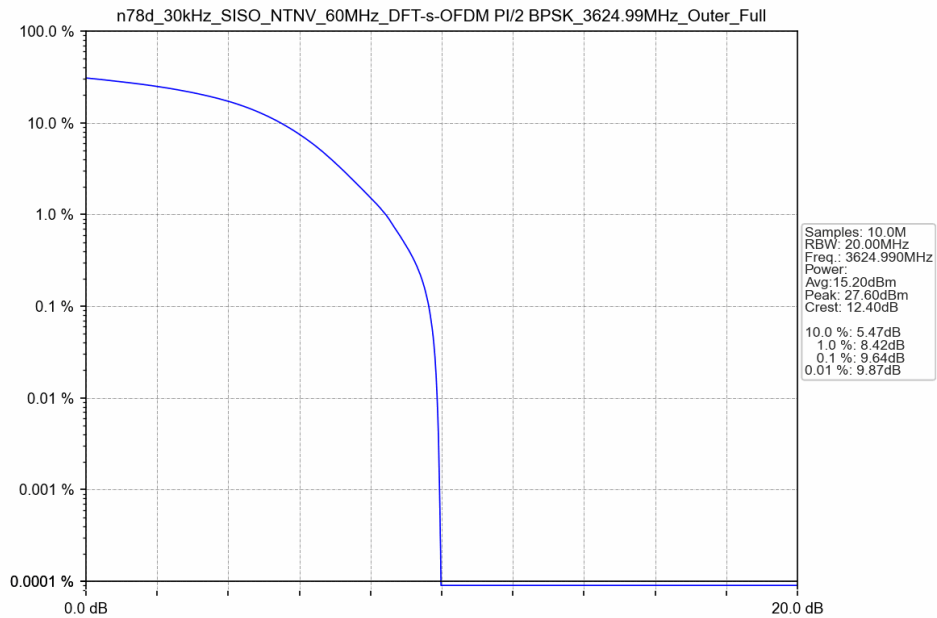
5G NR n78d SCS=30kHz SISO 60MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3580.02	Outer_Full	10.21	/	/	<=13	Pass
	3624.99	Outer_Full	9.64	/	/	<=13	Pass
	3669.99	Outer_Full	9.94	/	/	<=13	Pass
DFT-s-OFDM QPSK	3580.02	Outer_Full	10.18	/	/	<=13	Pass
	3624.99	Outer_Full	10.13	/	/	<=13	Pass
	3669.99	Outer_Full	10.05	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3580.02	Outer_Full	10.86	/	/	<=13	Pass
	3624.99	Outer_Full	10.91	/	/	<=13	Pass
	3669.99	Outer_Full	10.68	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3580.02	Outer_Full	10.38	/	/	<=13	Pass
	3624.99	Outer_Full	10.65	/	/	<=13	Pass
	3669.99	Outer_Full	10.65	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3580.02	Outer_Full	11.07	/	/	<=13	Pass
	3624.99	Outer_Full	10.65	/	/	<=13	Pass
	3669.99	Outer_Full	11.15	/	/	<=13	Pass
CP-OFDM QPSK	3580.02	Outer_Full	11.92	/	/	<=13	Pass
	3624.99	Outer_Full	11.93	/	/	<=13	Pass
	3669.99	Outer_Full	11.87	/	/	<=13	Pass
CP-OFDM 16 QAM	3580.02	Outer_Full	12.13	/	/	<=13	Pass
	3624.99	Outer_Full	11.62	/	/	<=13	Pass
	3669.99	Outer_Full	11.64	/	/	<=13	Pass
CP-OFDM 64 QAM	3580.02	Outer_Full	11.99	/	/	<=13	Pass
	3624.99	Outer_Full	11.99	/	/	<=13	Pass
	3669.99	Outer_Full	12.13	/	/	<=13	Pass
CP-OFDM 256 QAM	3580.02	Outer_Full	11.83	/	/	<=13	Pass
	3624.99	Outer_Full	11.83	/	/	<=13	Pass
	3669.99	Outer_Full	12.11	/	/	<=13	Pass

4.5.2 Test Graph

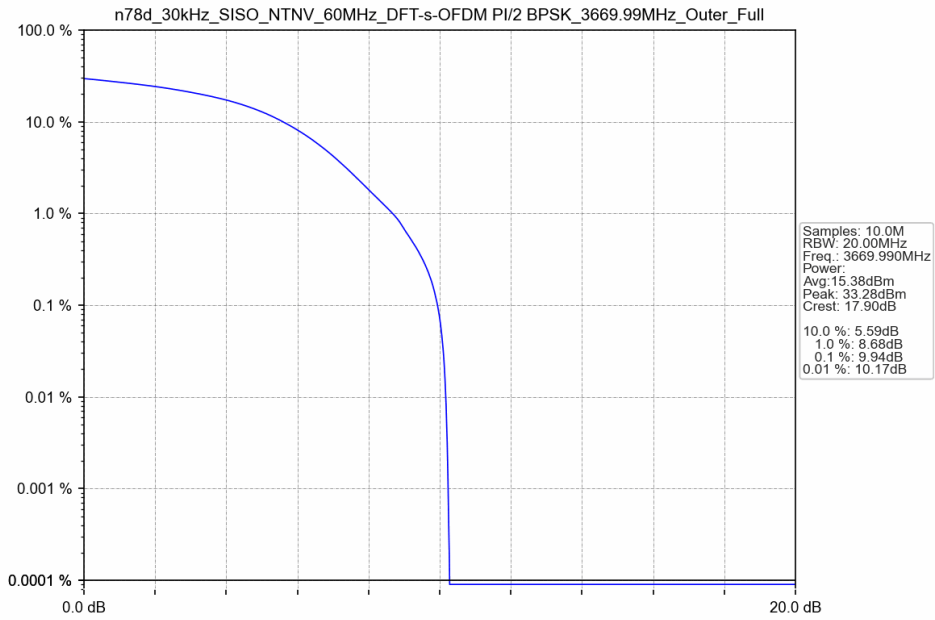
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3580.02MHz_Outer_Full



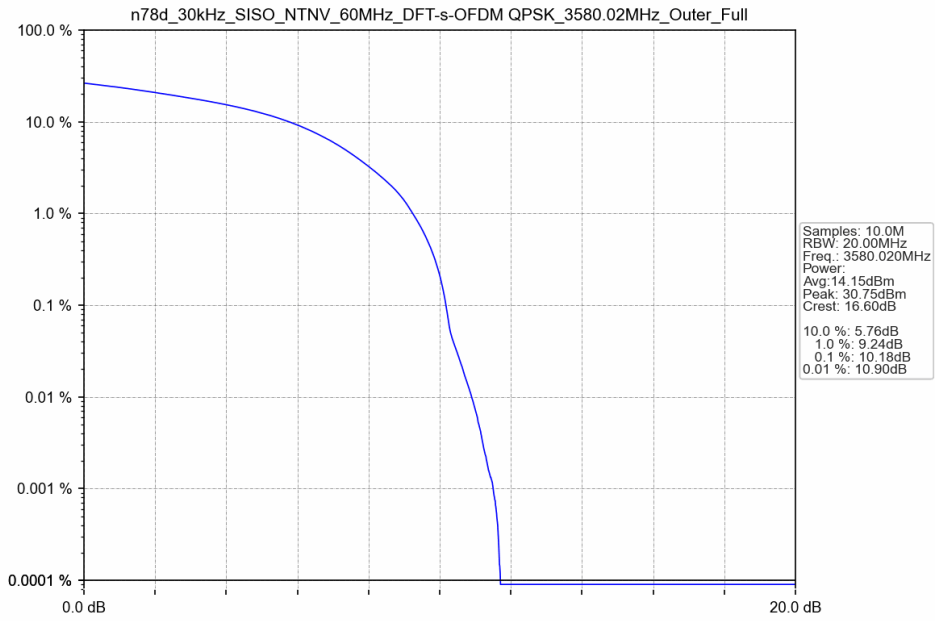
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



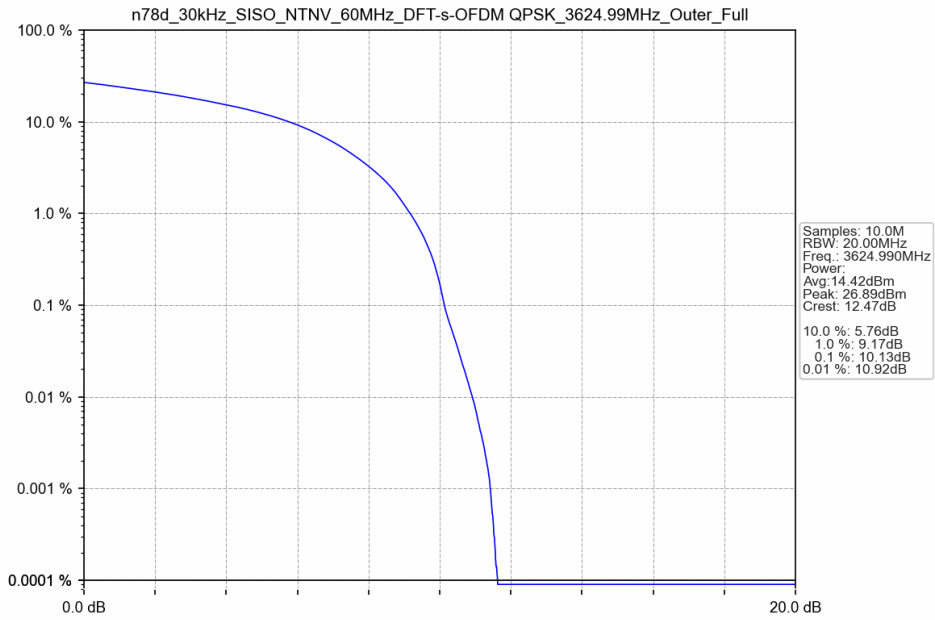
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3669.99MHz_Outer_Full



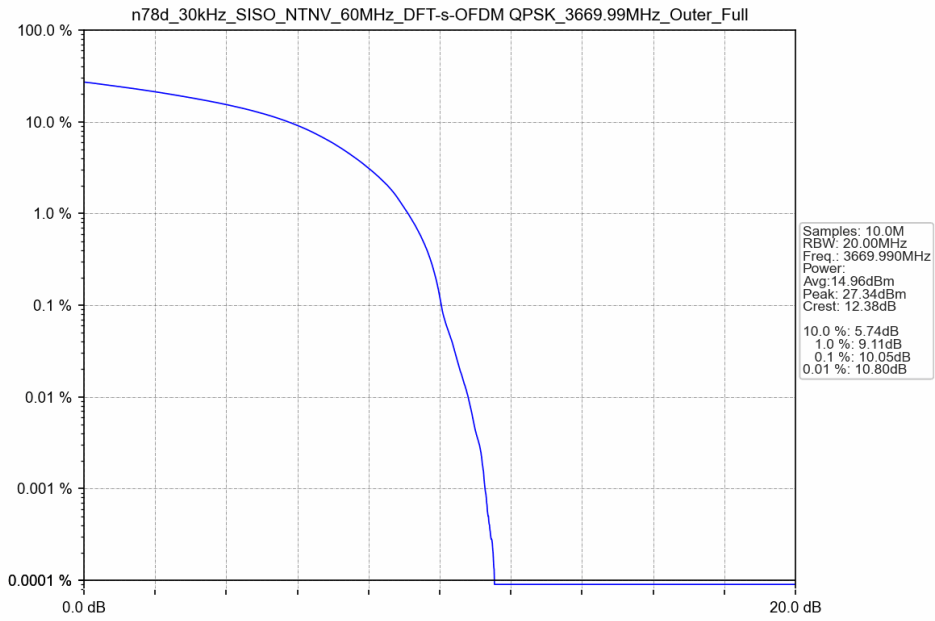
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3580.02MHz_Outer_Full



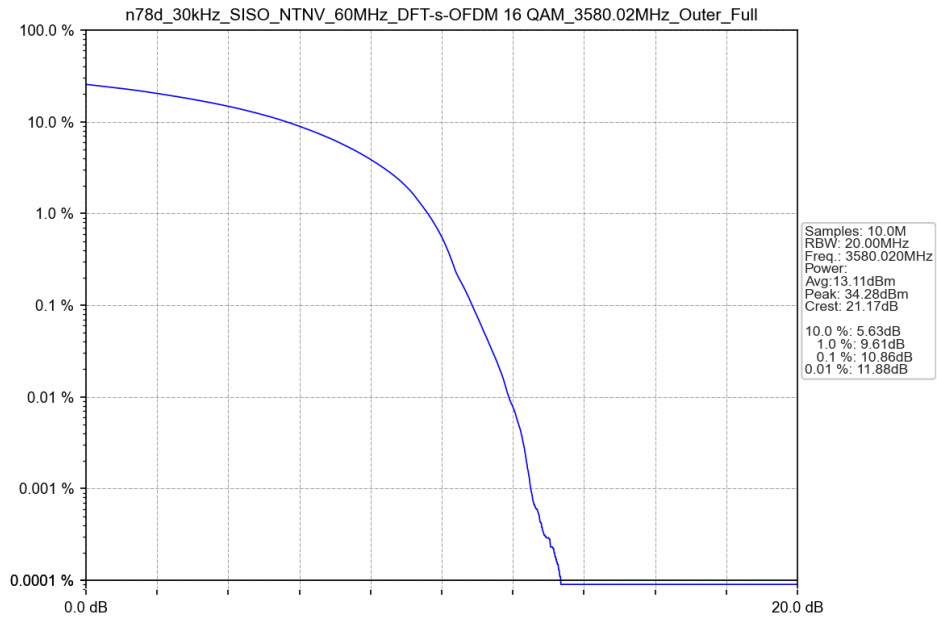
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



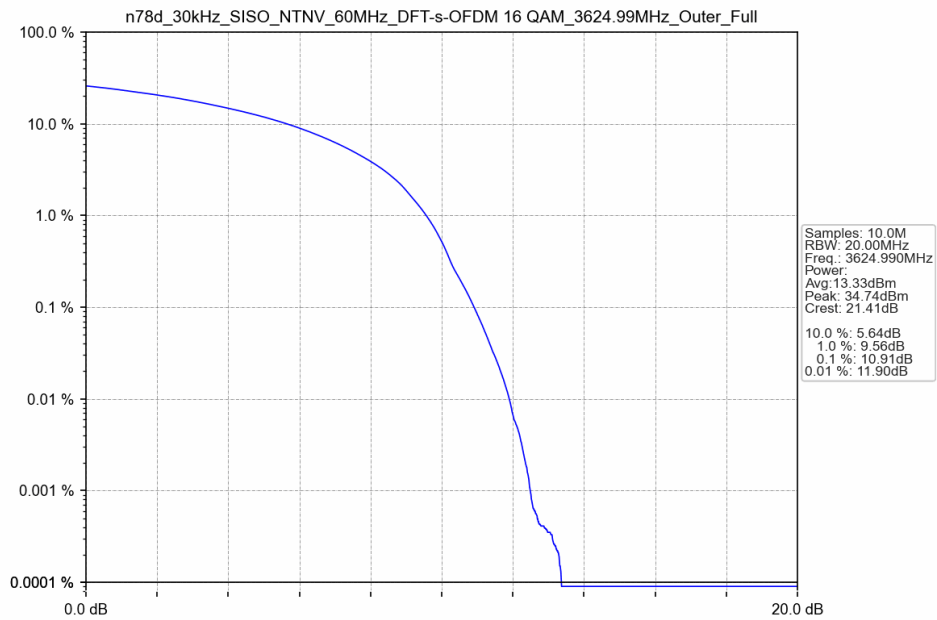
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3669.99MHz_Outer_Full



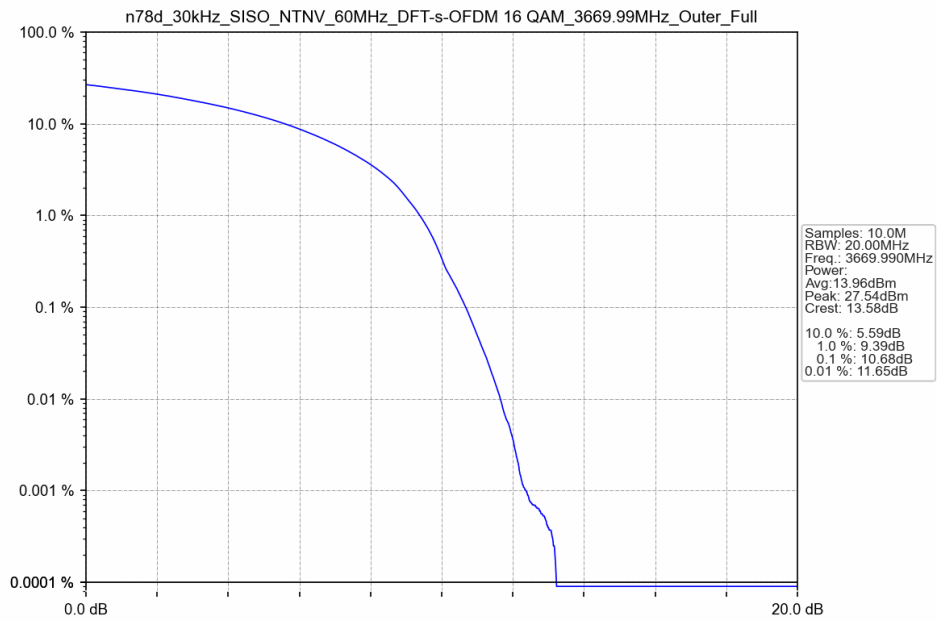
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_3580.02MHz_Outer_Full



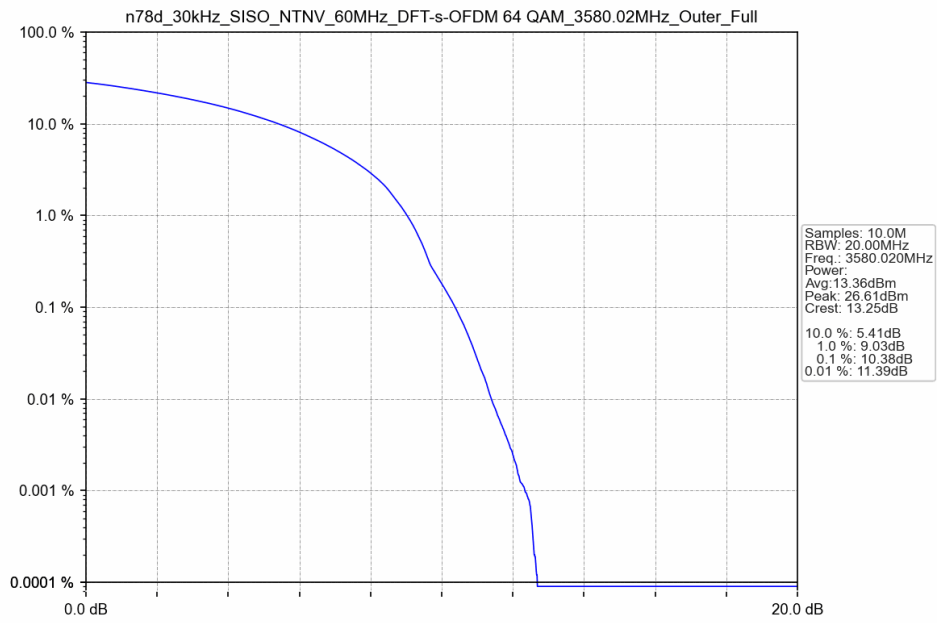
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_3624.99MHz_Outer_Full



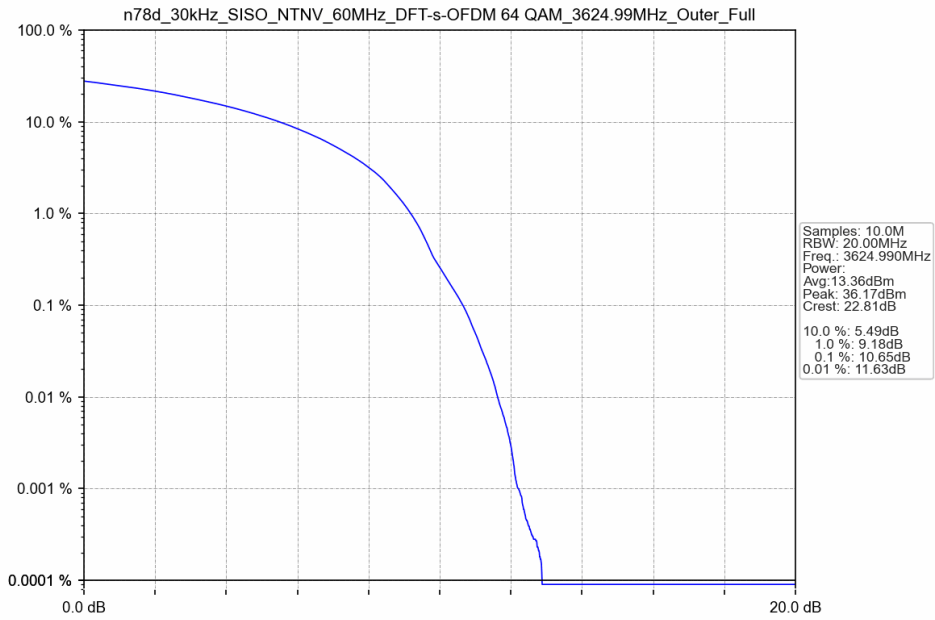
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 16 QAM_3669.99MHz_Outer_Full



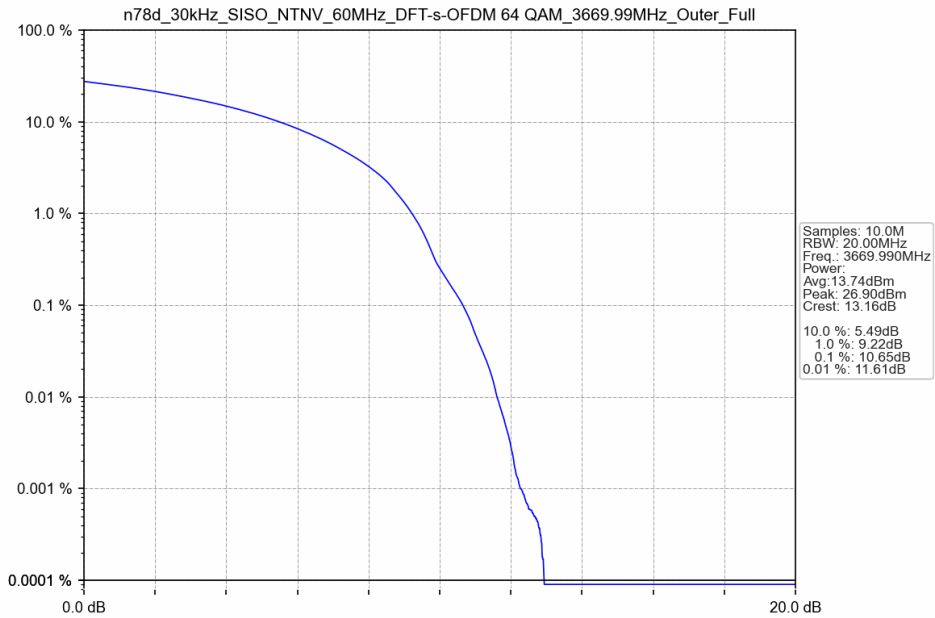
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3580.02MHz_Outer_Full



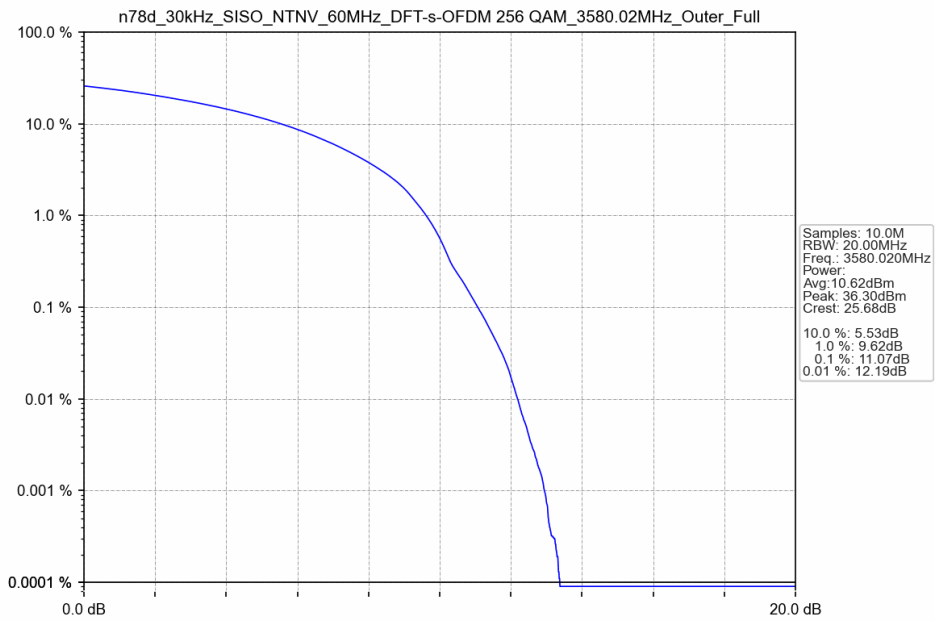
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_64_QAM_3624.99MHz_Outer_Full



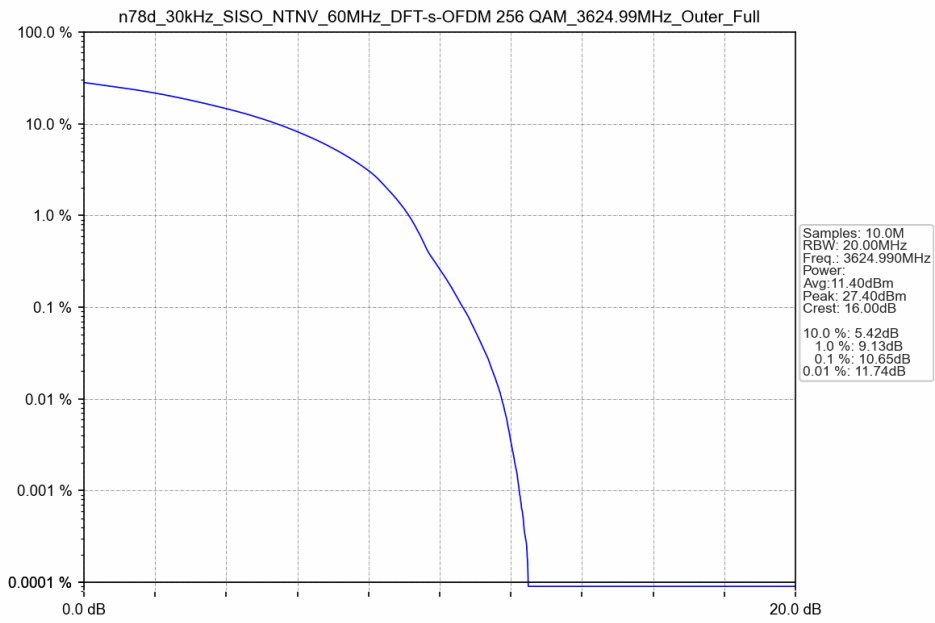
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_64_QAM_3669.99MHz_Outer_Full



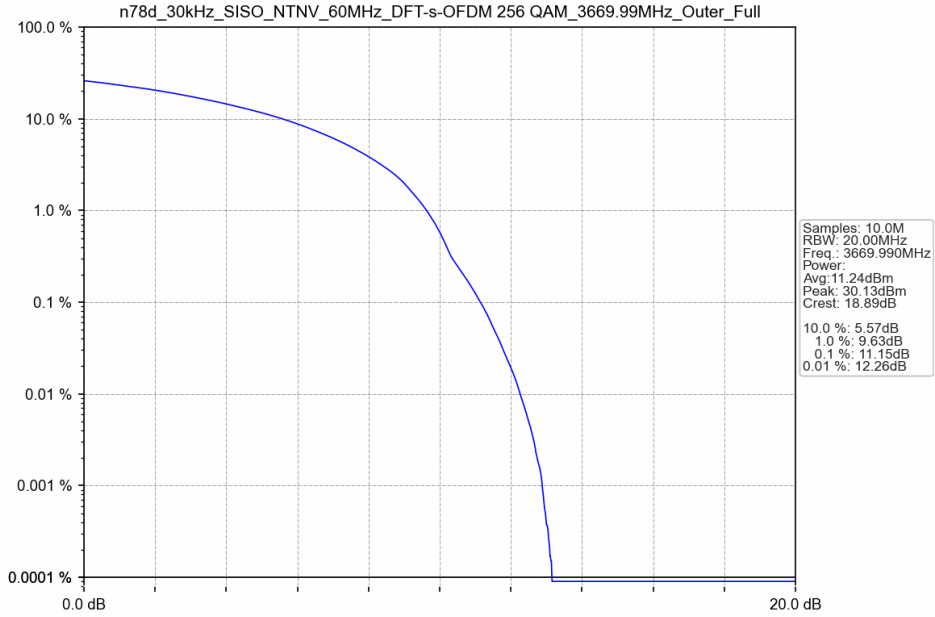
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_3580.02MHz_Outer_Full



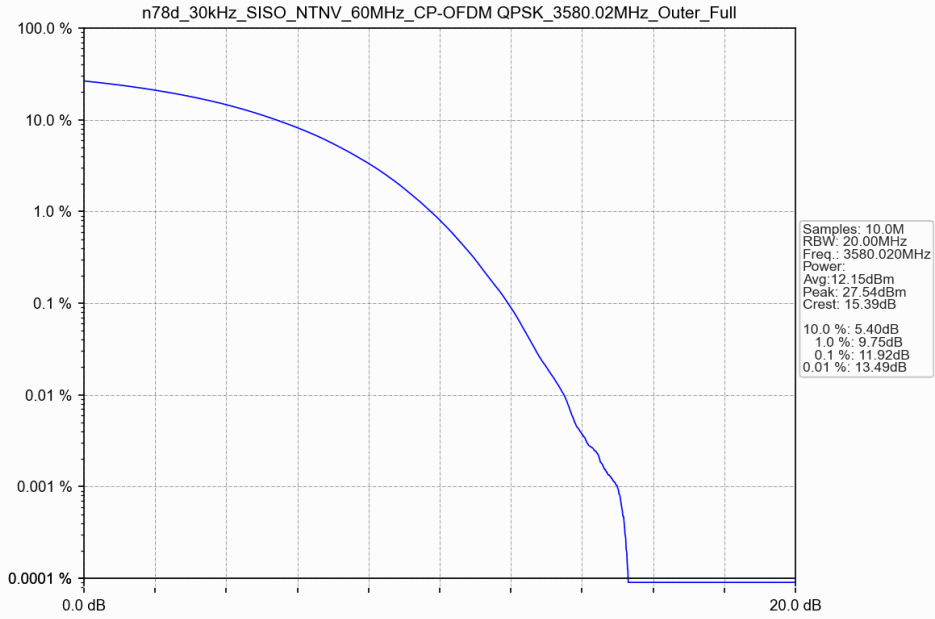
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



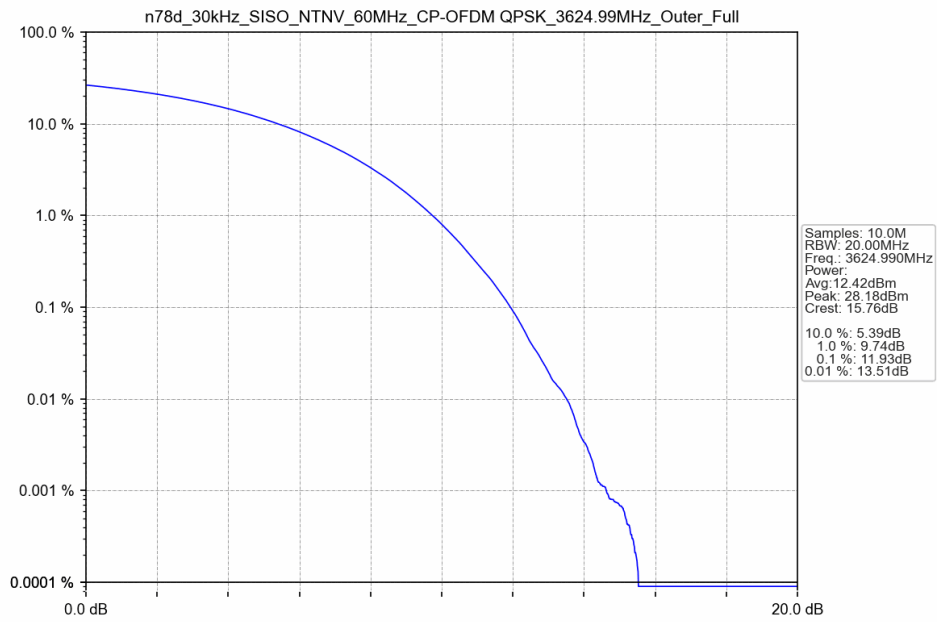
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_3669.99MHz_Outer_Full



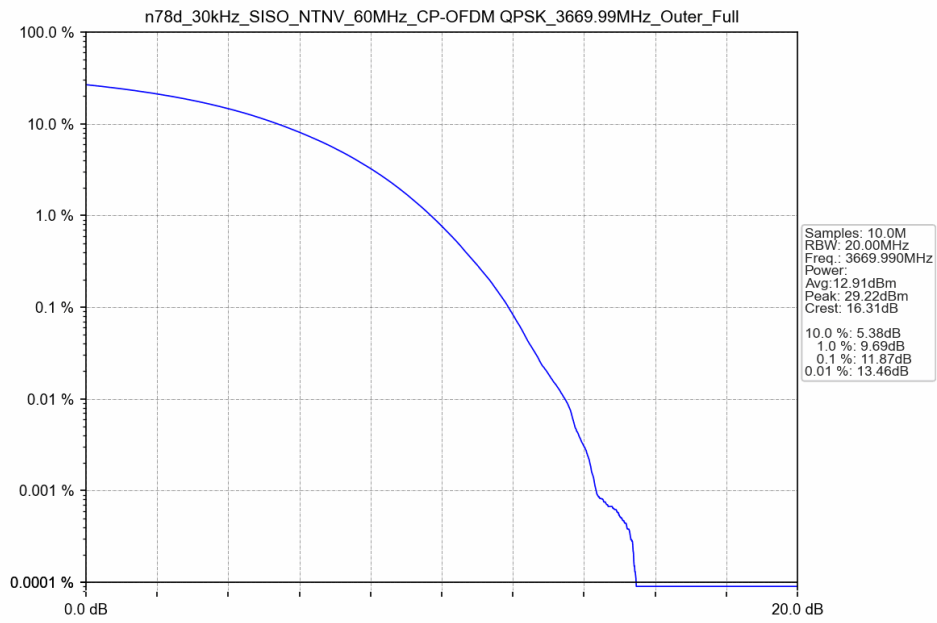
n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM_QPSK_3580.02MHz_Outer_Full



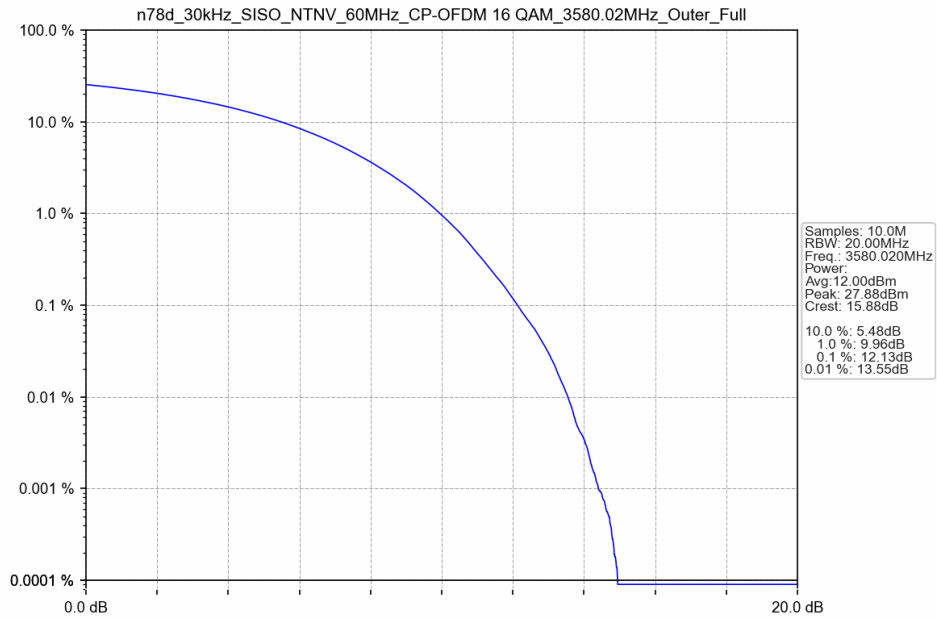
n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



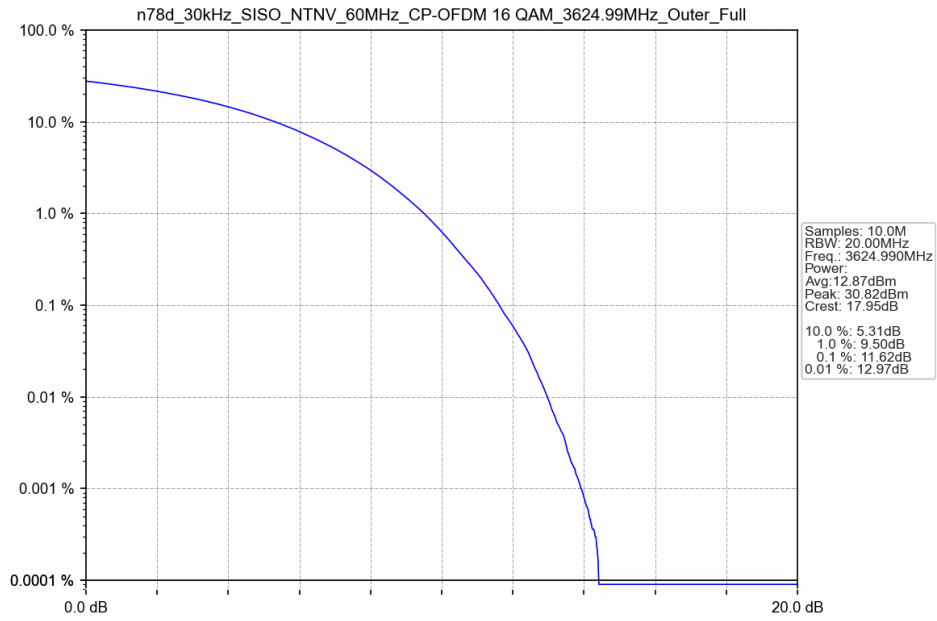
n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3669.99MHz_Outer_Full



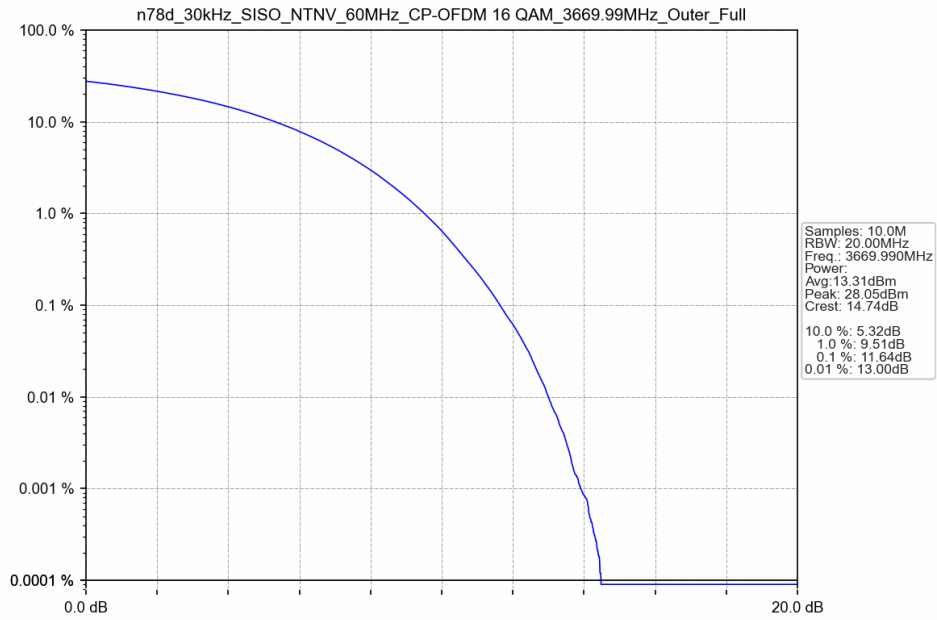
n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3580.02MHz_Outer_Full



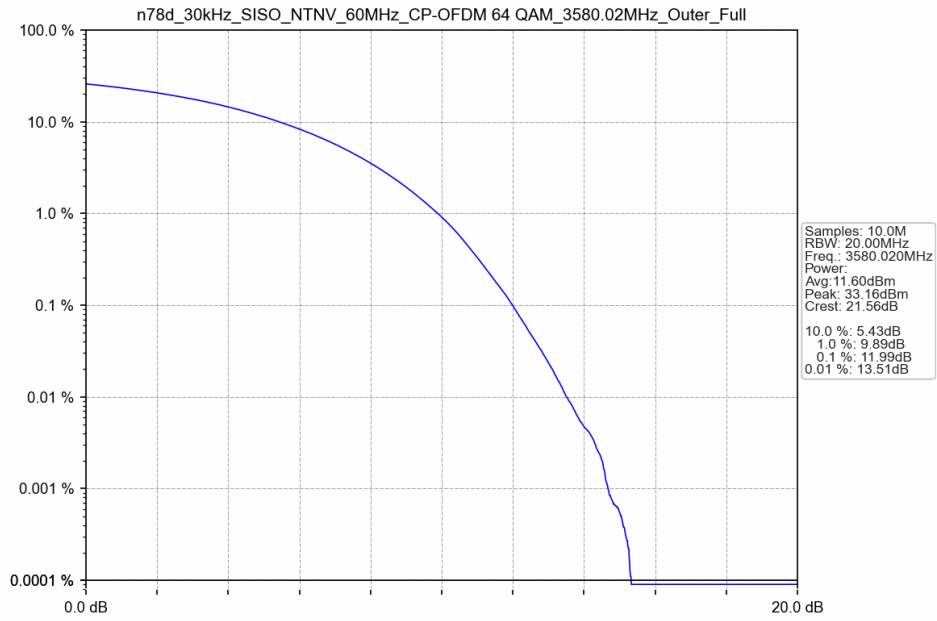
n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



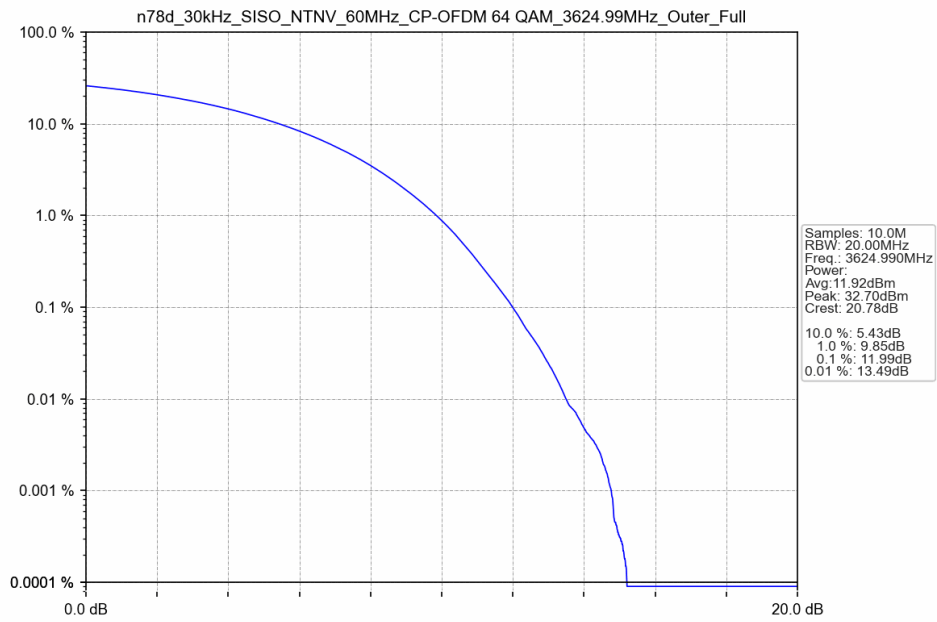
n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3669.99MHz_Outer_Full



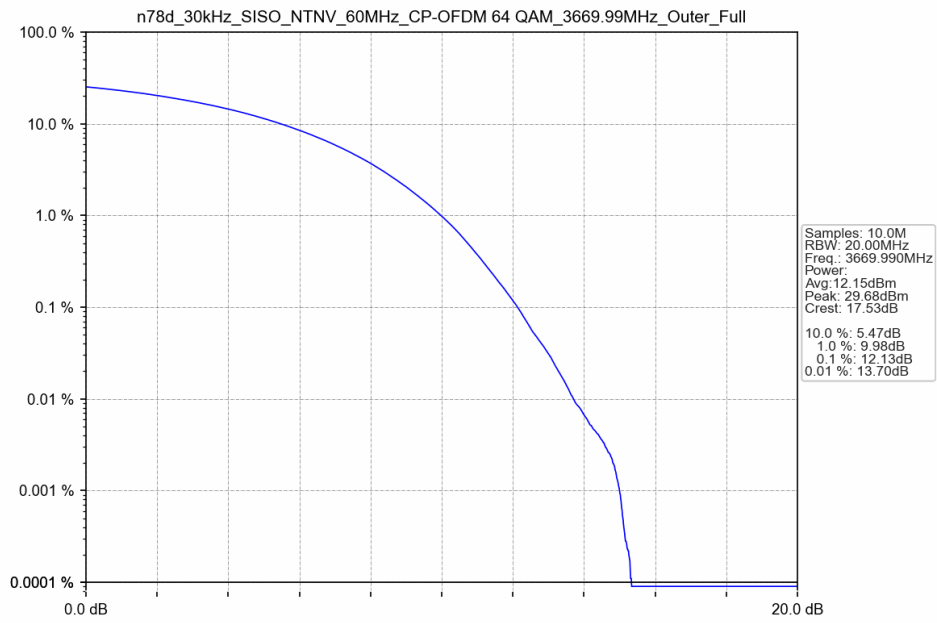
n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3580.02MHz_Outer_Full



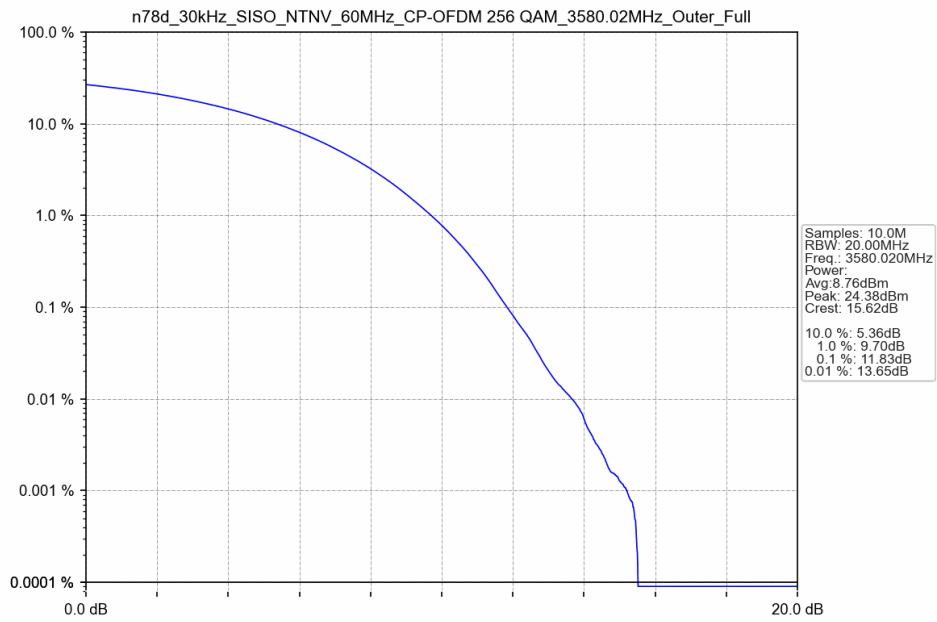
n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



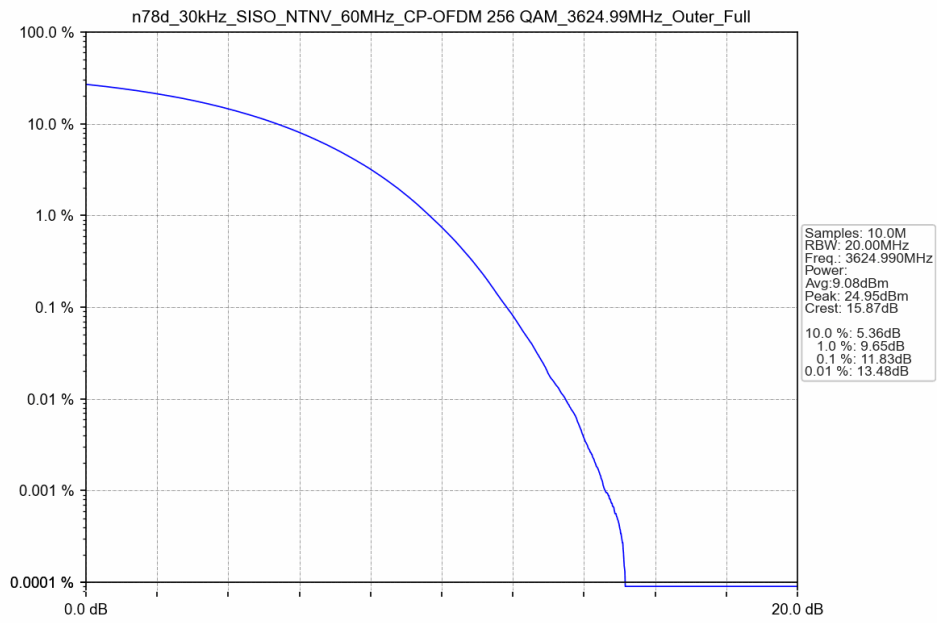
n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3669.99MHz_Outer_Full



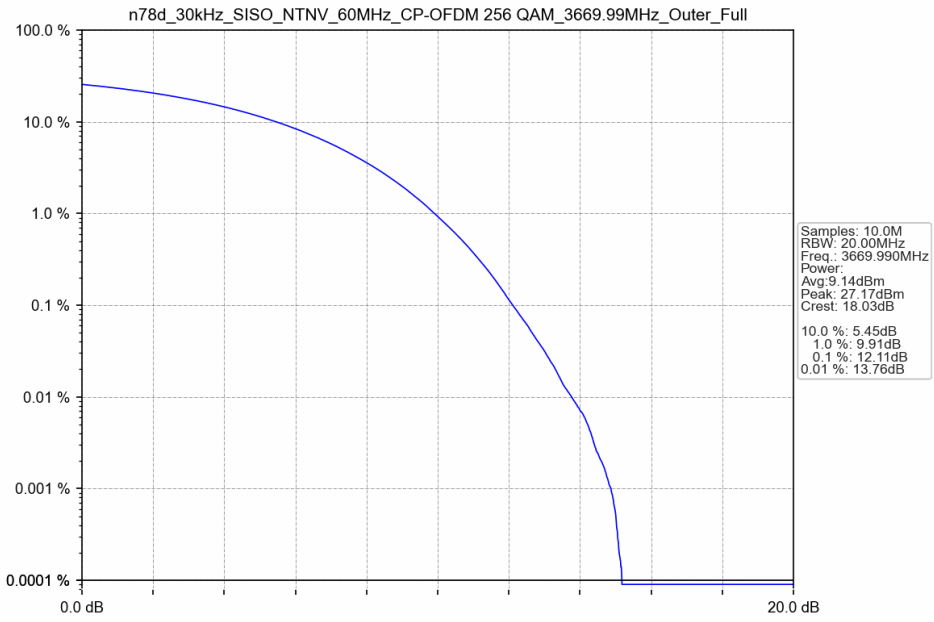
n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3580.02MHz_Outer_Full



n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3669.99MHz_Outer_Full

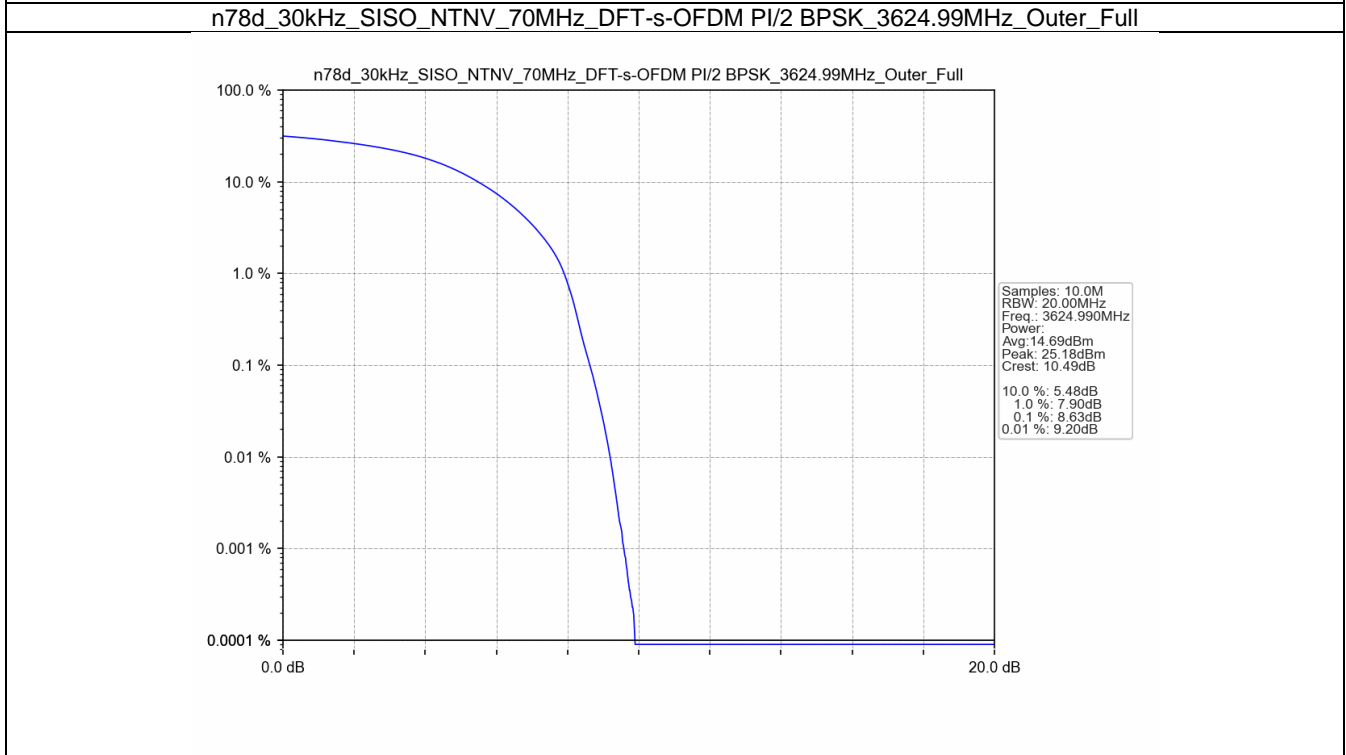
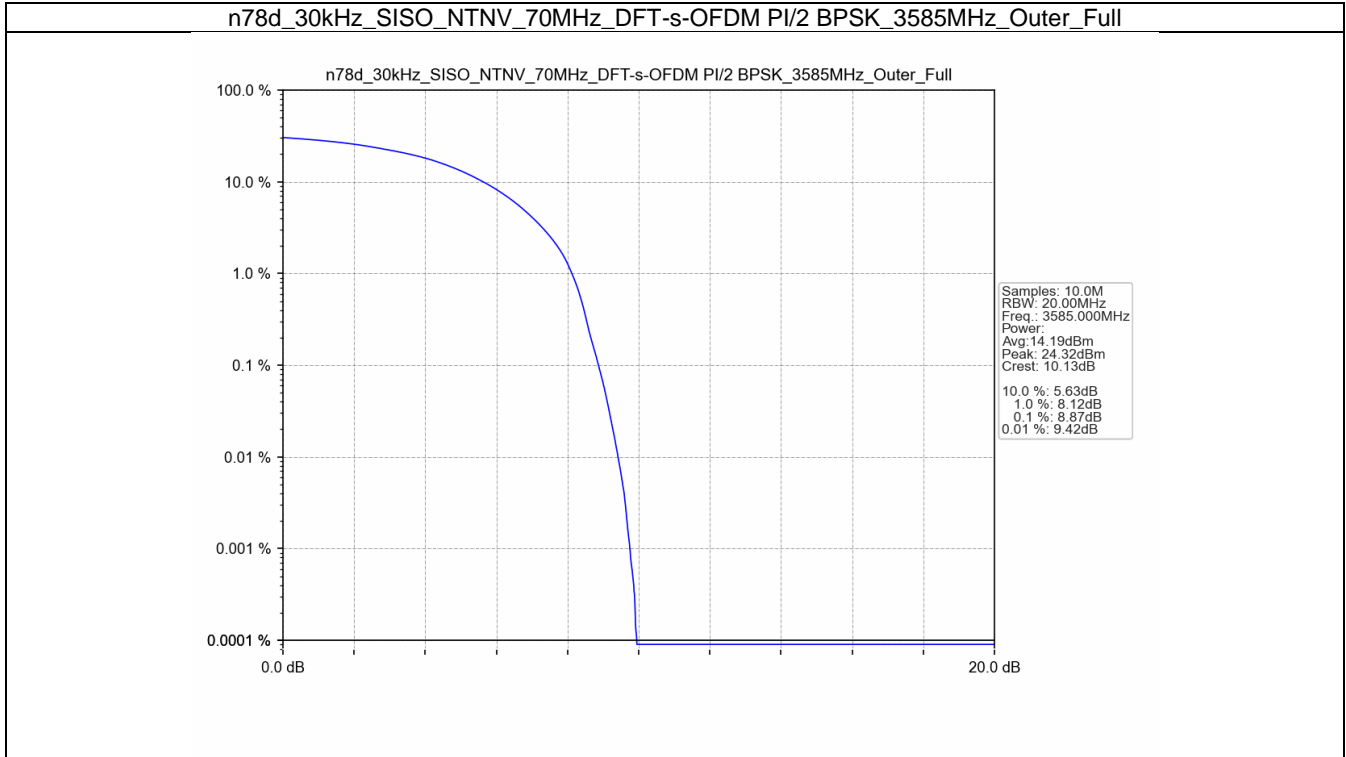


4.6 30k_SISO_70MHz_NTNV

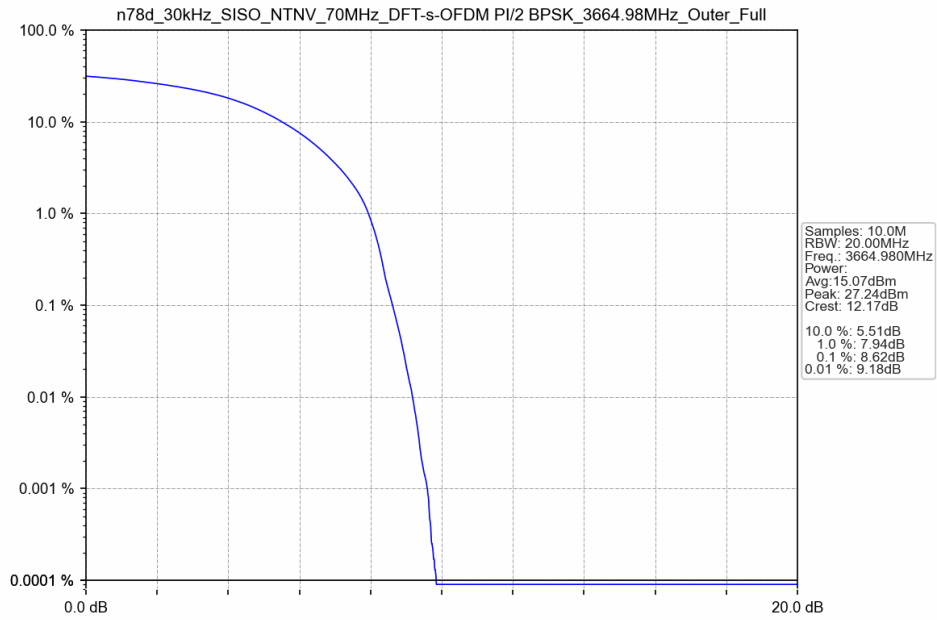
4.6.1 Test Result

5G NR n78d SCS=30kHz SISO 70MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3585	Outer_Full	8.87	/	/	<=13	Pass
	3624.99	Outer_Full	8.63	/	/	<=13	Pass
	3664.98	Outer_Full	8.62	/	/	<=13	Pass
DFT-s-OFDM QPSK	3585	Outer_Full	10.30	/	/	<=13	Pass
	3624.99	Outer_Full	10.19	/	/	<=13	Pass
	3664.98	Outer_Full	9.98	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3585	Outer_Full	10.92	/	/	<=13	Pass
	3624.99	Outer_Full	11.00	/	/	<=13	Pass
	3664.98	Outer_Full	10.79	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3585	Outer_Full	10.68	/	/	<=13	Pass
	3624.99	Outer_Full	10.85	/	/	<=13	Pass
	3664.98	Outer_Full	10.87	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3585	Outer_Full	11.04	/	/	<=13	Pass
	3624.99	Outer_Full	10.82	/	/	<=13	Pass
	3664.98	Outer_Full	10.45	/	/	<=13	Pass
CP-OFDM QPSK	3585	Outer_Full	11.76	/	/	<=13	Pass
	3624.99	Outer_Full	12.10	/	/	<=13	Pass
	3664.98	Outer_Full	12.05	/	/	<=13	Pass
CP-OFDM 16 QAM	3585	Outer_Full	11.77	/	/	<=13	Pass
	3624.99	Outer_Full	11.95	/	/	<=13	Pass
	3664.98	Outer_Full	11.66	/	/	<=13	Pass
CP-OFDM 64 QAM	3585	Outer_Full	11.75	/	/	<=13	Pass
	3624.99	Outer_Full	11.74	/	/	<=13	Pass
	3664.98	Outer_Full	11.71	/	/	<=13	Pass
CP-OFDM 256 QAM	3585	Outer_Full	11.76	/	/	<=13	Pass
	3624.99	Outer_Full	11.66	/	/	<=13	Pass
	3664.98	Outer_Full	11.83	/	/	<=13	Pass

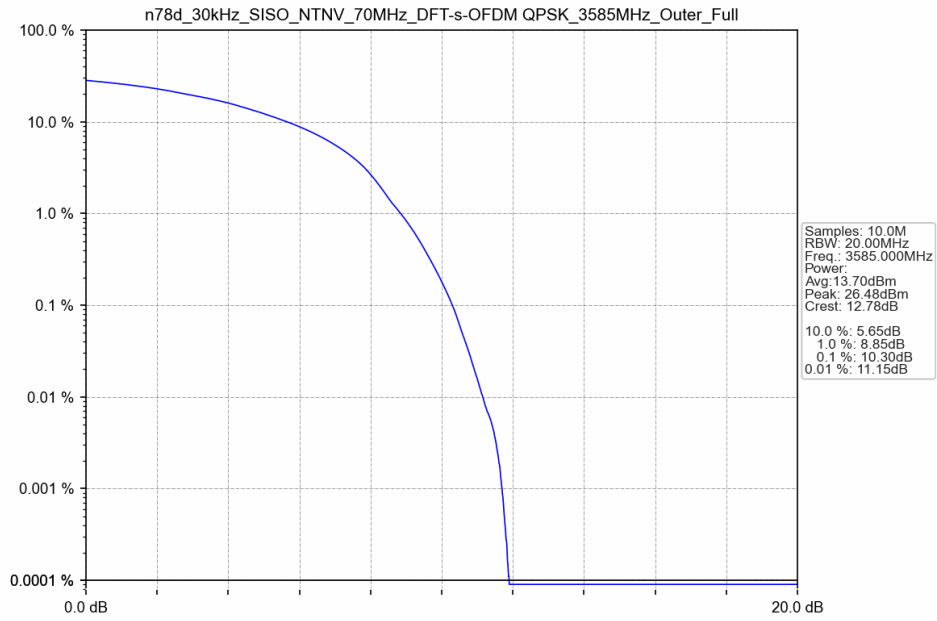
4.6.2 Test Graph



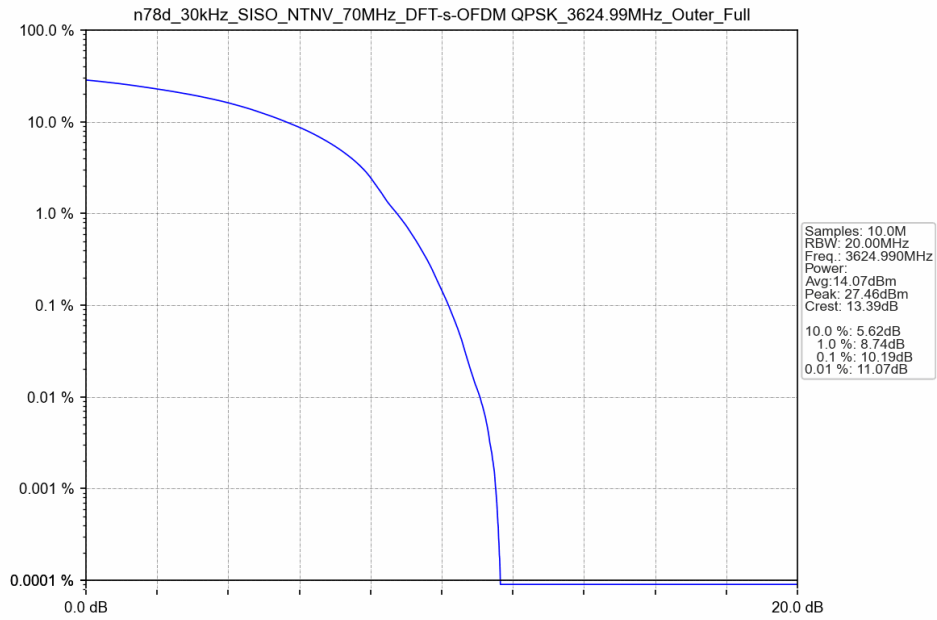
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3664.98MHz_Outer_Full



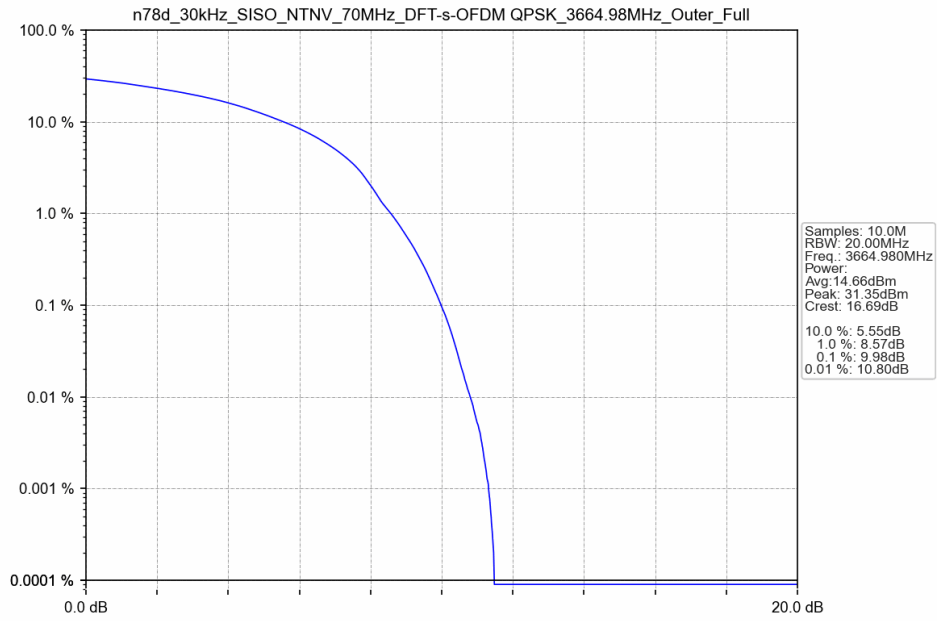
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3585MHz_Outer_Full



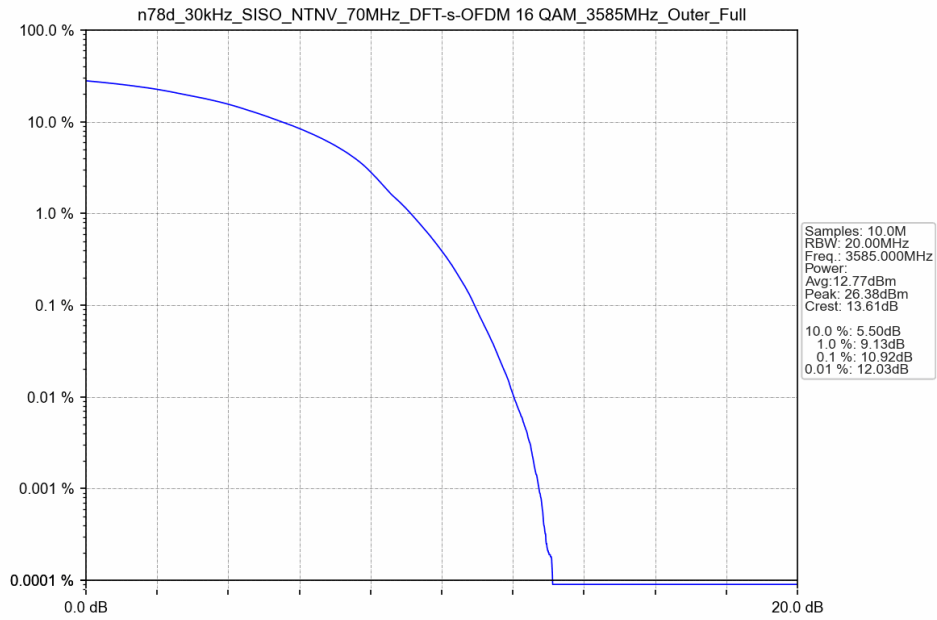
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



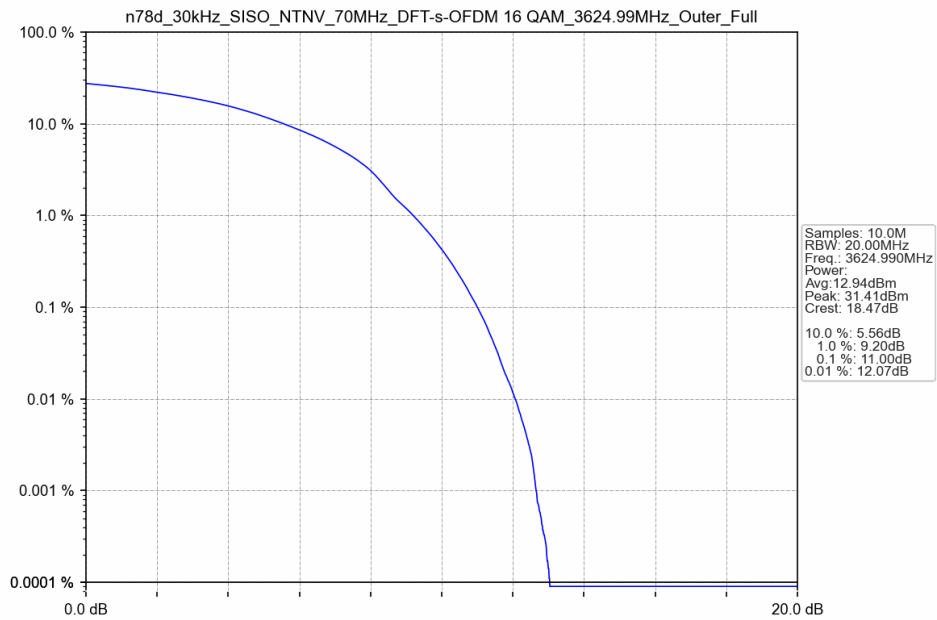
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3664.98MHz_Outer_Full



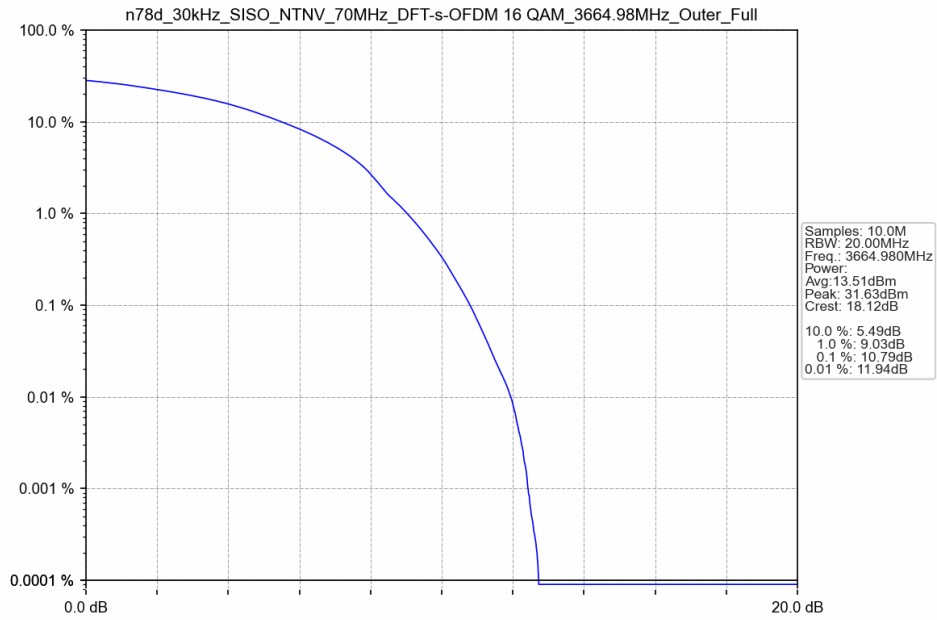
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_16_QAM_3585MHz_Outer_Full



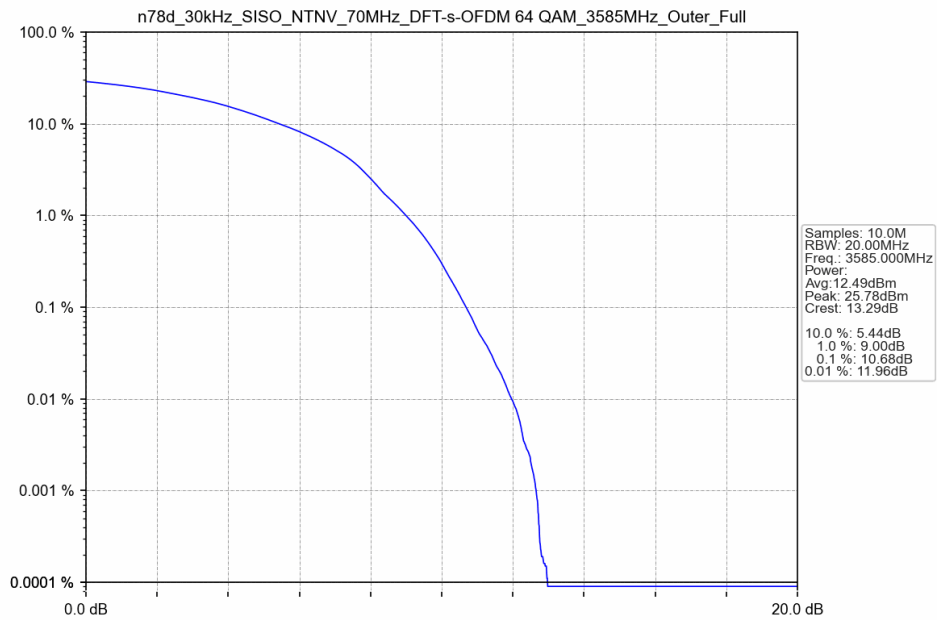
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_16_QAM_3624.99MHz_Outer_Full



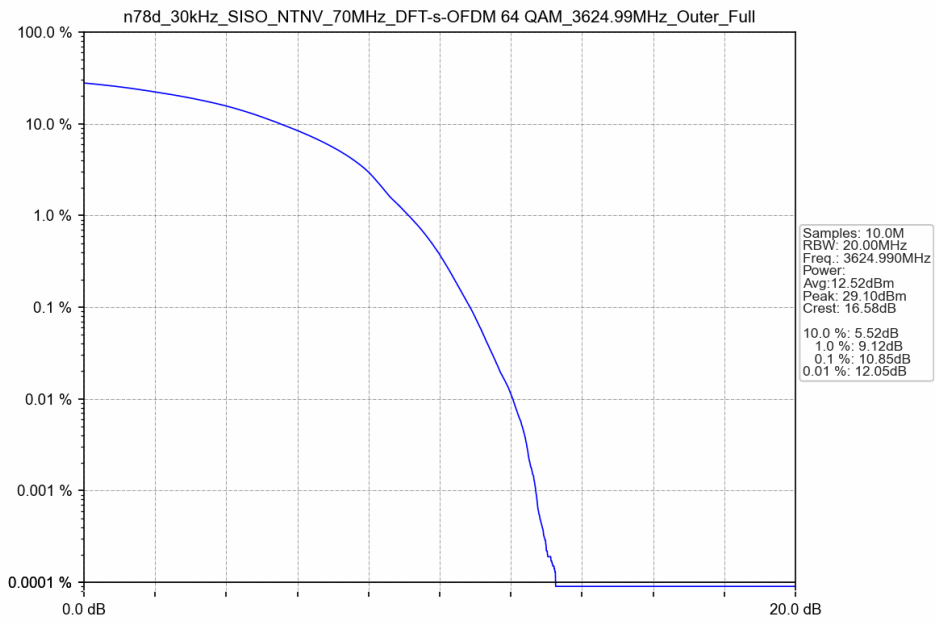
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 16 QAM_3664.98MHz_Outer_Full



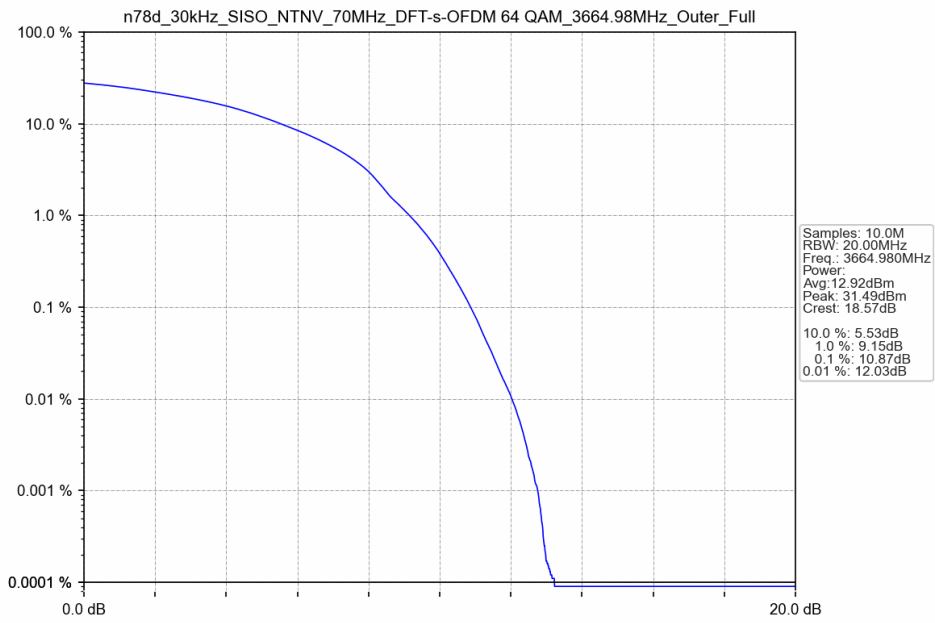
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 64 QAM_3585MHz_Outer_Full



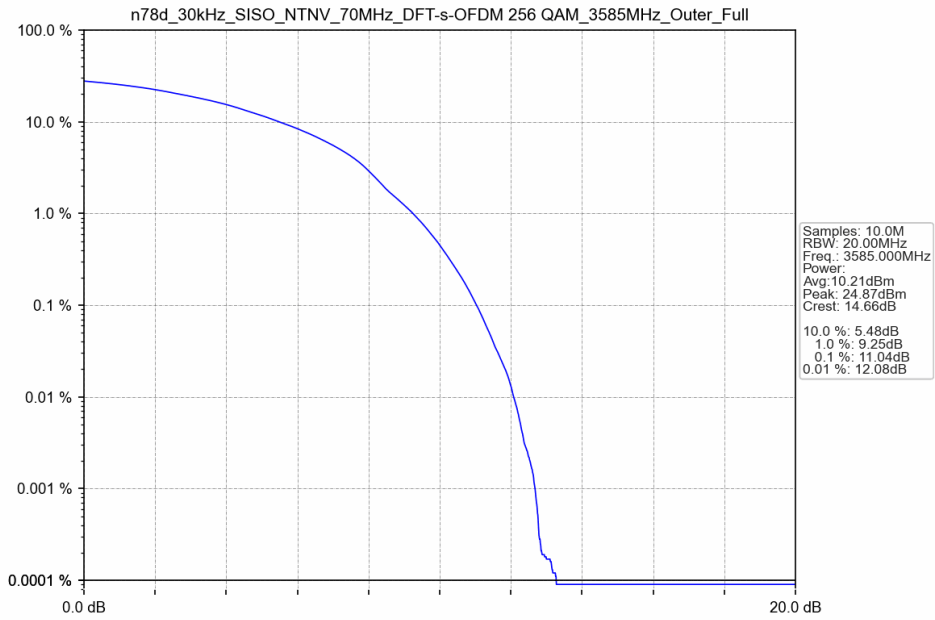
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



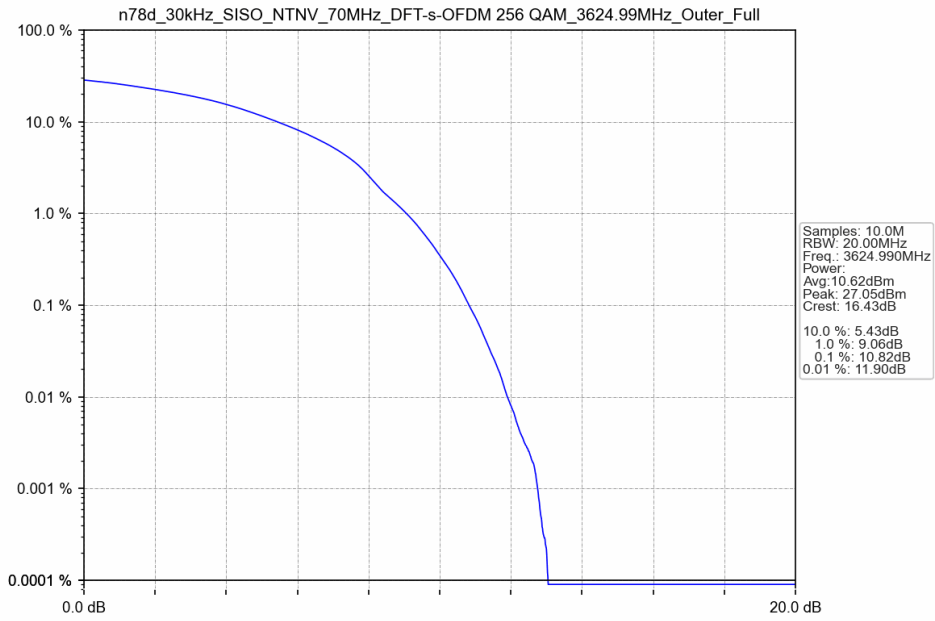
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 64 QAM_3664.98MHz_Outer_Full



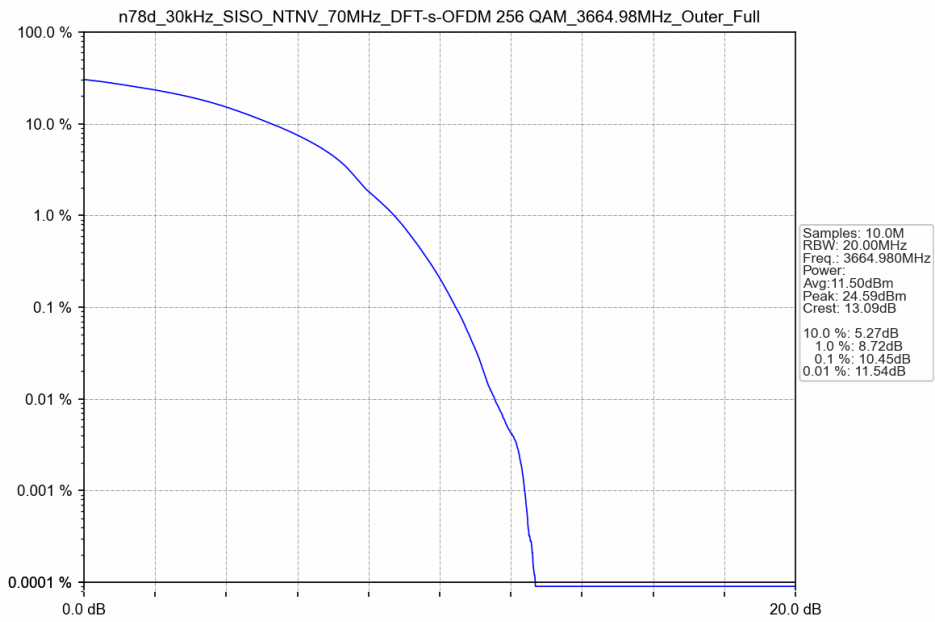
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 256 QAM_3585MHz_Outer_Full



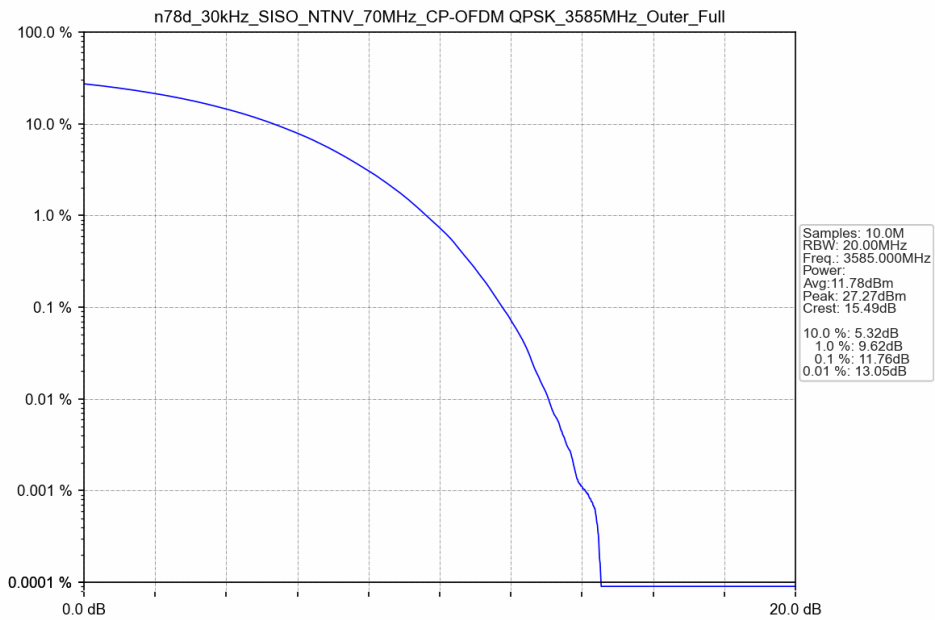
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full



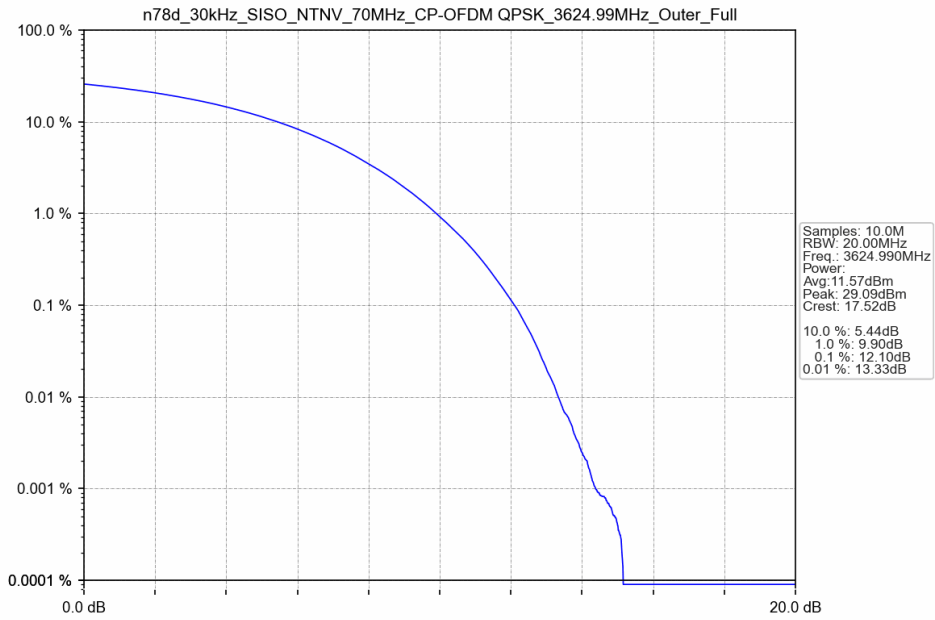
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_256_QAM_3664.98MHz_Outer_Full



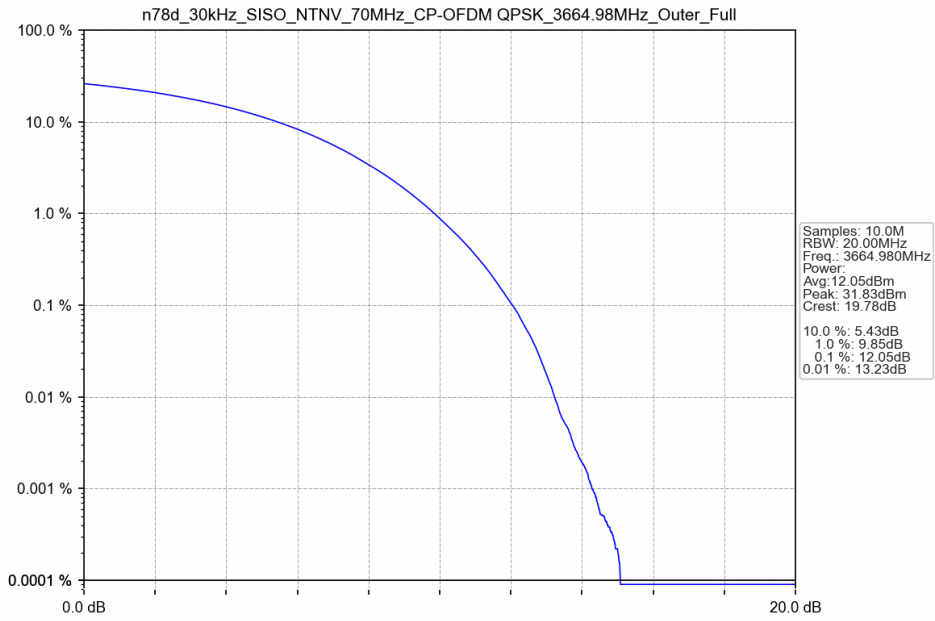
n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM_QPSK_3585MHz_Outer_Full



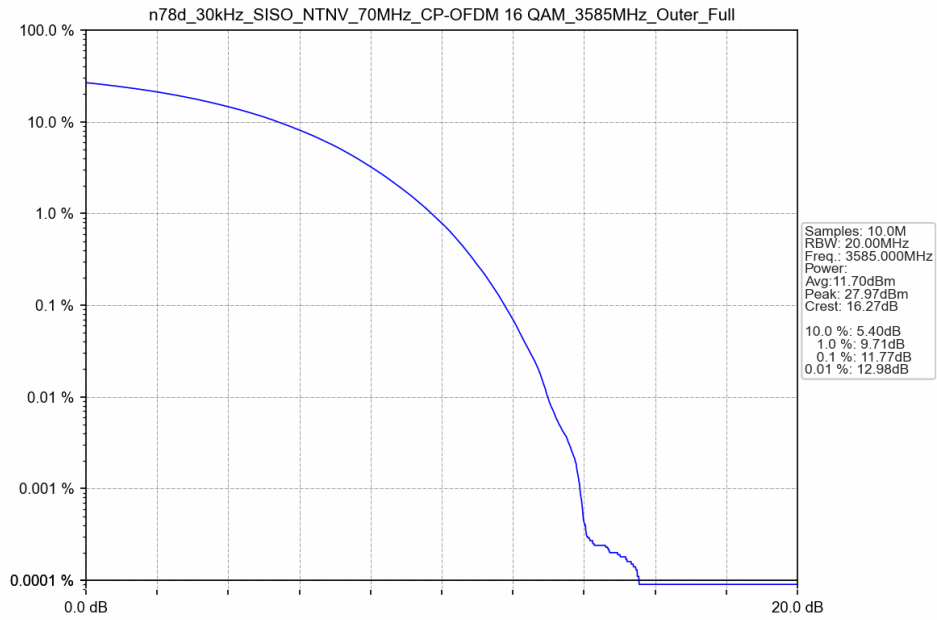
n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



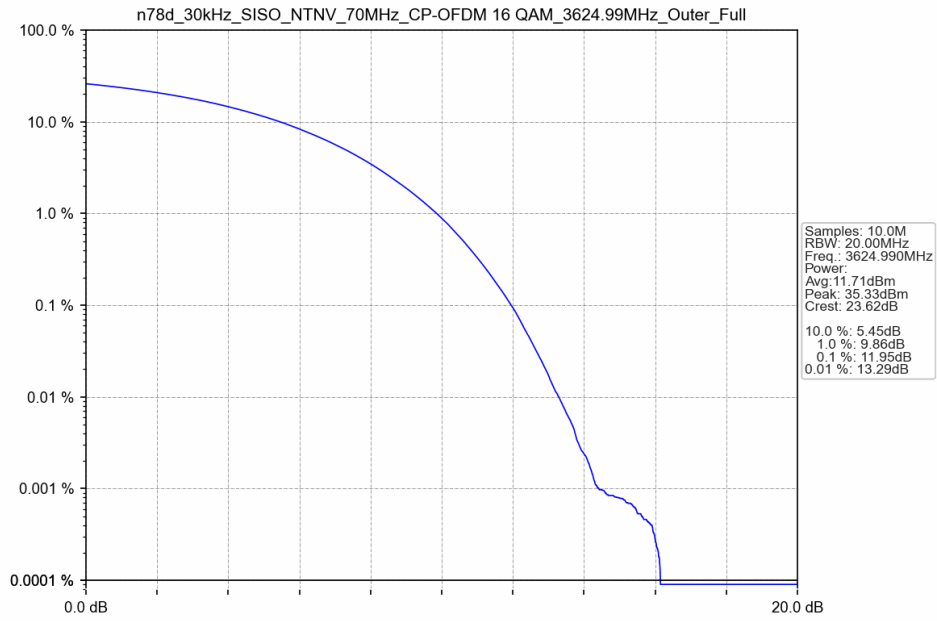
n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM QPSK_3664.98MHz_Outer_Full



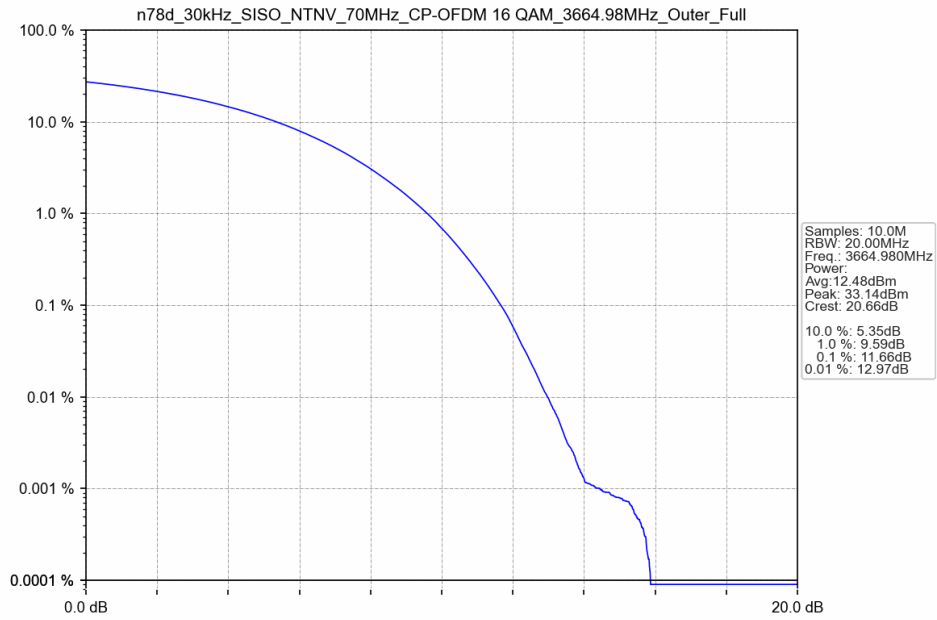
n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3585MHz_Outer_Full



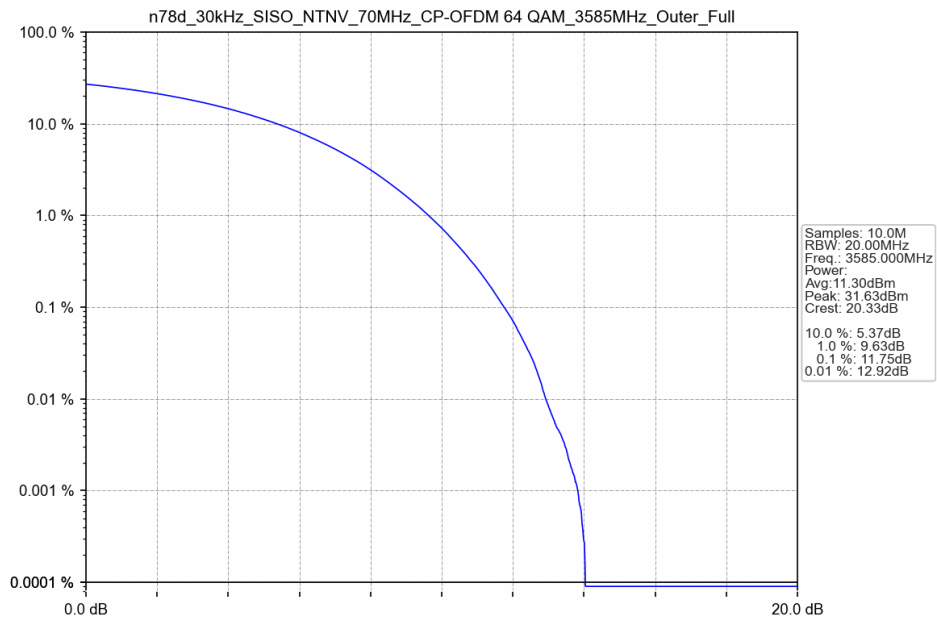
n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



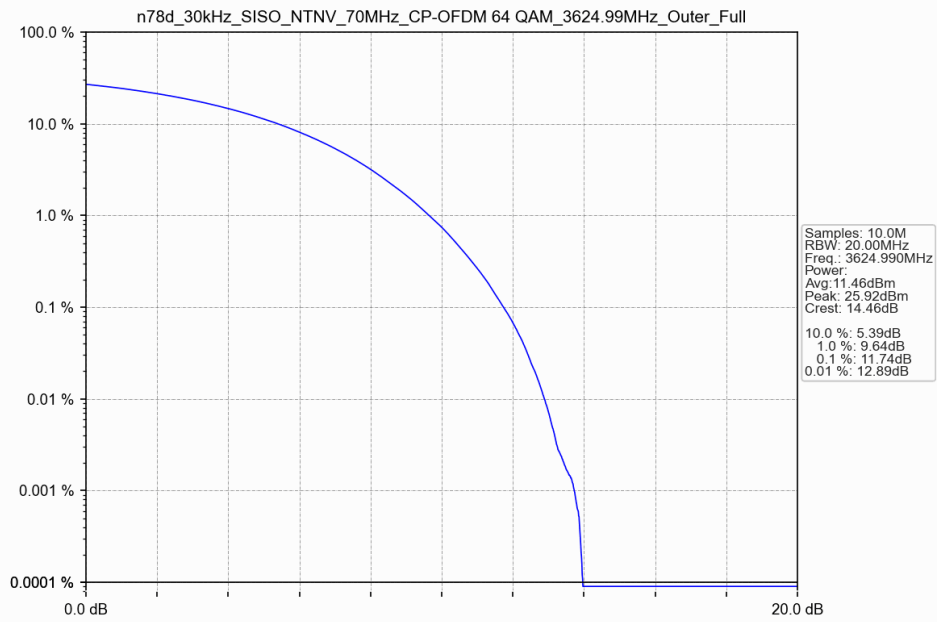
n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3664.98MHz_Outer_Full



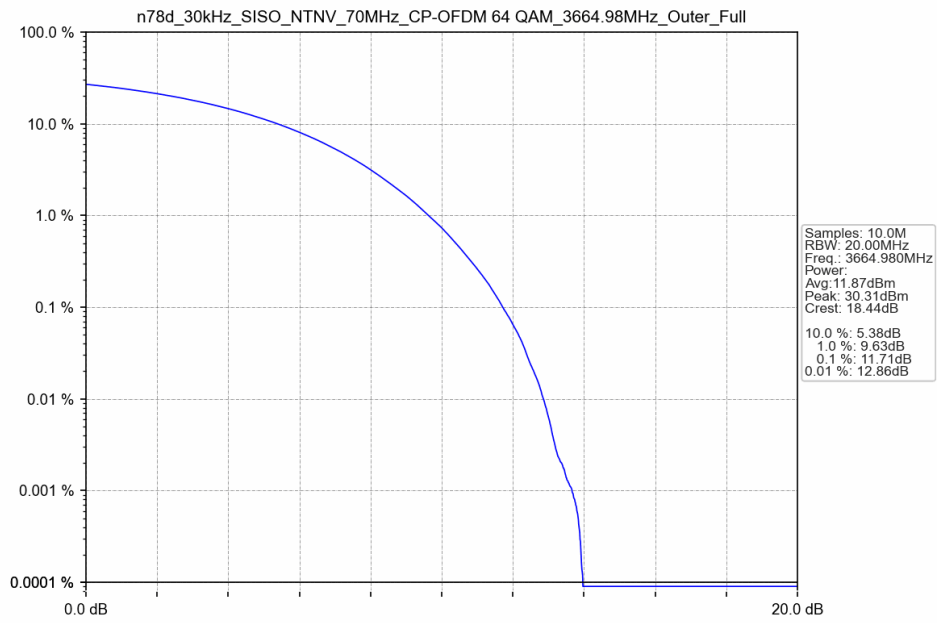
n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3585MHz_Outer_Full



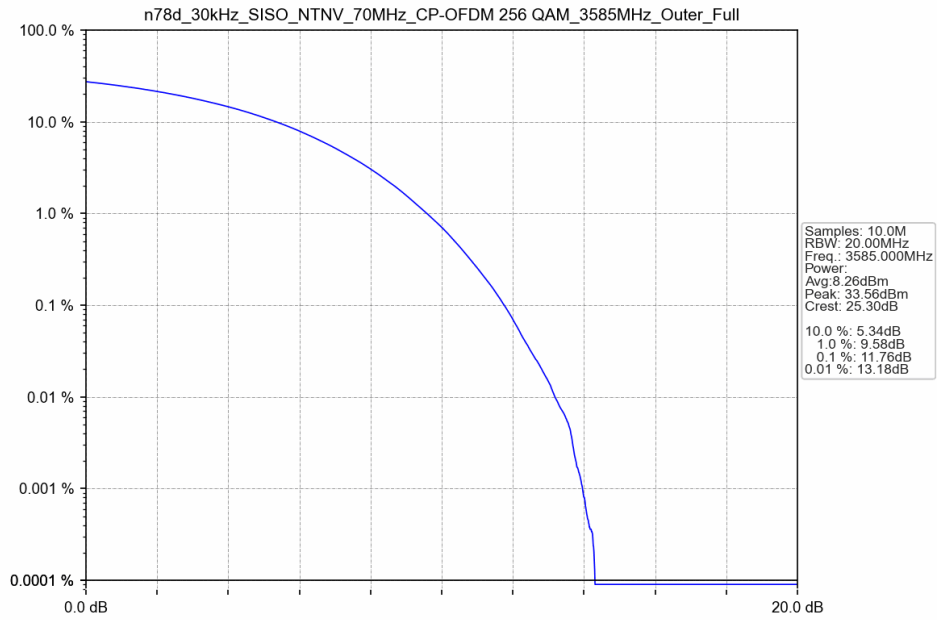
n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



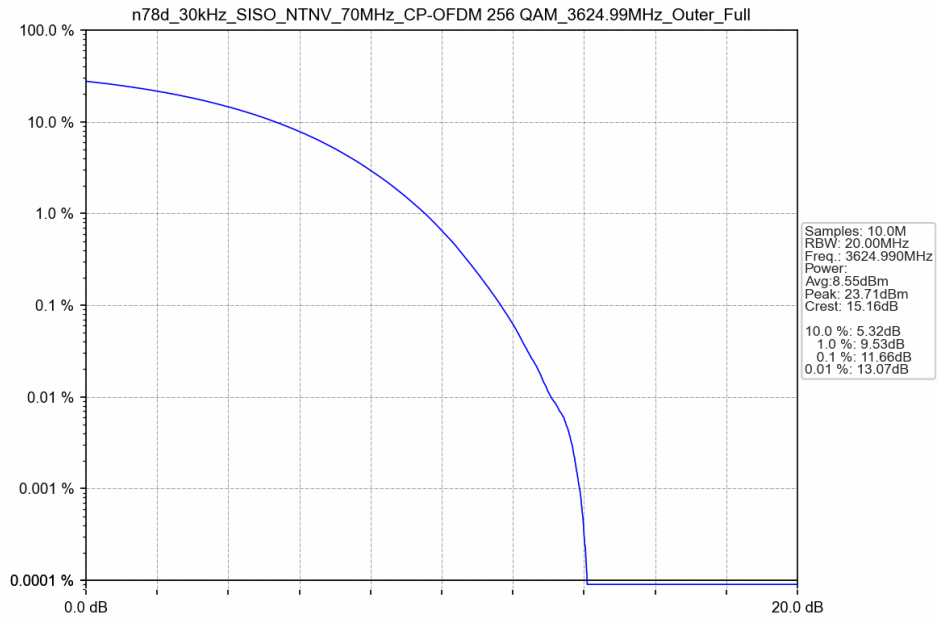
n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3664.98MHz_Outer_Full



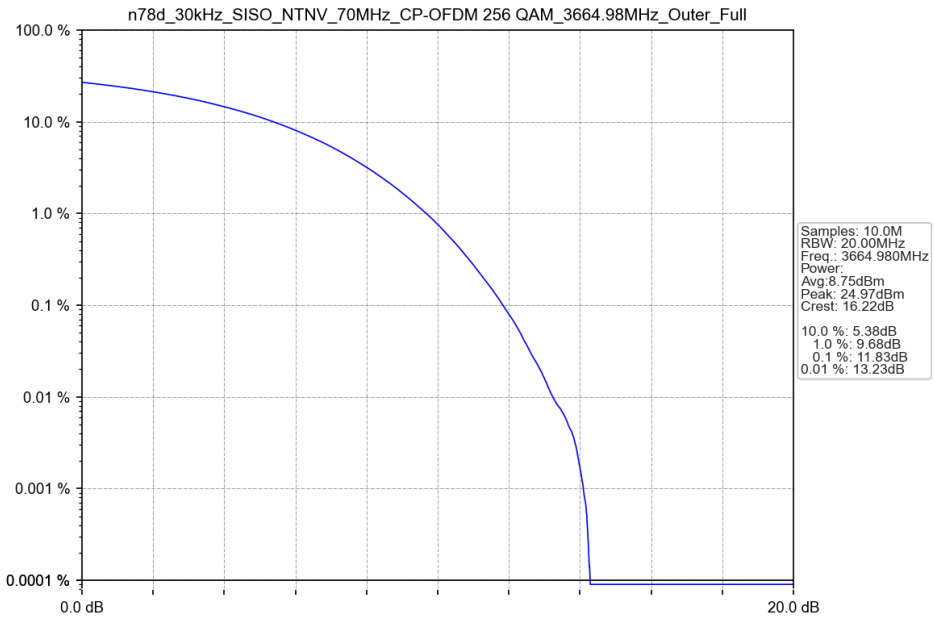
n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 256 QAM_3585MHz_Outer_Full



n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 256 QAM_3664.98MHz_Outer_Full



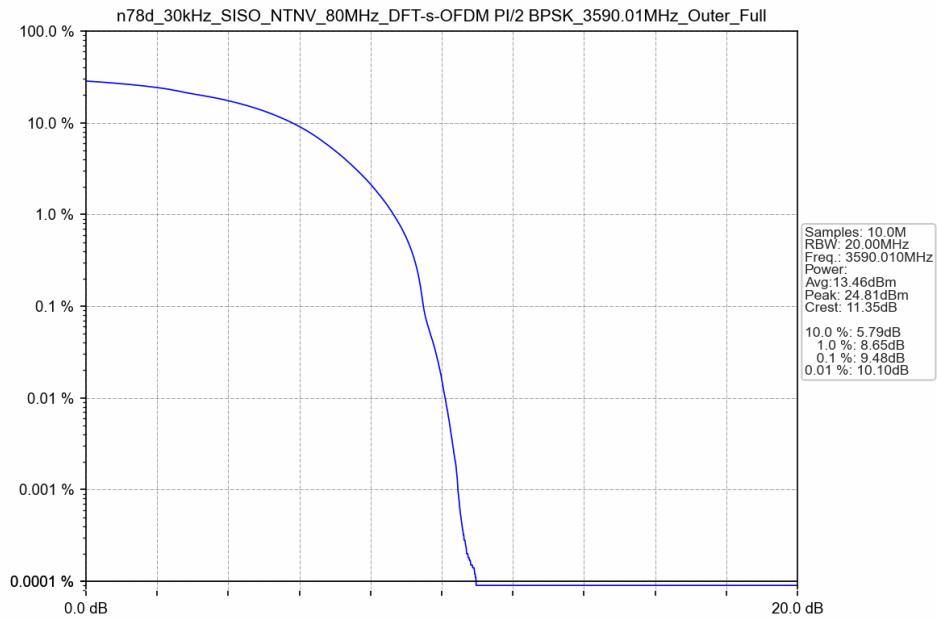
4.7 30k_SISO_80MHz_NTNV

4.7.1 Test Result

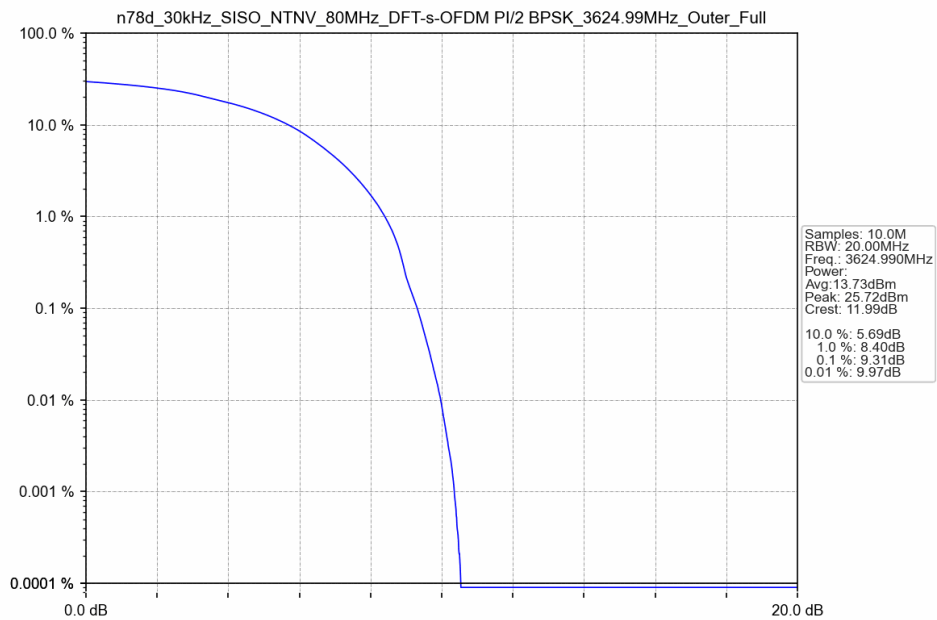
5G NR n78d SCS=30kHz SISO 80MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3590.01	Outer_Full	9.48	/	/	<=13	Pass
	3624.99	Outer_Full	9.31	/	/	<=13	Pass
	3660	Outer_Full	9.02	/	/	<=13	Pass
DFT-s-OFDM QPSK	3590.01	Outer_Full	10.52	/	/	<=13	Pass
	3624.99	Outer_Full	10.50	/	/	<=13	Pass
	3660	Outer_Full	10.46	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3590.01	Outer_Full	10.88	/	/	<=13	Pass
	3624.99	Outer_Full	10.87	/	/	<=13	Pass
	3660	Outer_Full	11.08	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3590.01	Outer_Full	11.08	/	/	<=13	Pass
	3624.99	Outer_Full	10.91	/	/	<=13	Pass
	3660	Outer_Full	11.07	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3590.01	Outer_Full	11.20	/	/	<=13	Pass
	3624.99	Outer_Full	11.07	/	/	<=13	Pass
	3660	Outer_Full	10.91	/	/	<=13	Pass
CP-OFDM QPSK	3590.01	Outer_Full	12.00	/	/	<=13	Pass
	3624.99	Outer_Full	11.51	/	/	<=13	Pass
	3660	Outer_Full	11.53	/	/	<=13	Pass
CP-OFDM 16 QAM	3590.01	Outer_Full	12.01	/	/	<=13	Pass
	3624.99	Outer_Full	11.98	/	/	<=13	Pass
	3660	Outer_Full	11.50	/	/	<=13	Pass
CP-OFDM 64 QAM	3590.01	Outer_Full	11.53	/	/	<=13	Pass
	3624.99	Outer_Full	11.51	/	/	<=13	Pass
	3660	Outer_Full	11.43	/	/	<=13	Pass
CP-OFDM 256 QAM	3590.01	Outer_Full	11.85	/	/	<=13	Pass
	3624.99	Outer_Full	11.48	/	/	<=13	Pass
	3660	Outer_Full	11.81	/	/	<=13	Pass

4.7.2 Test Graph

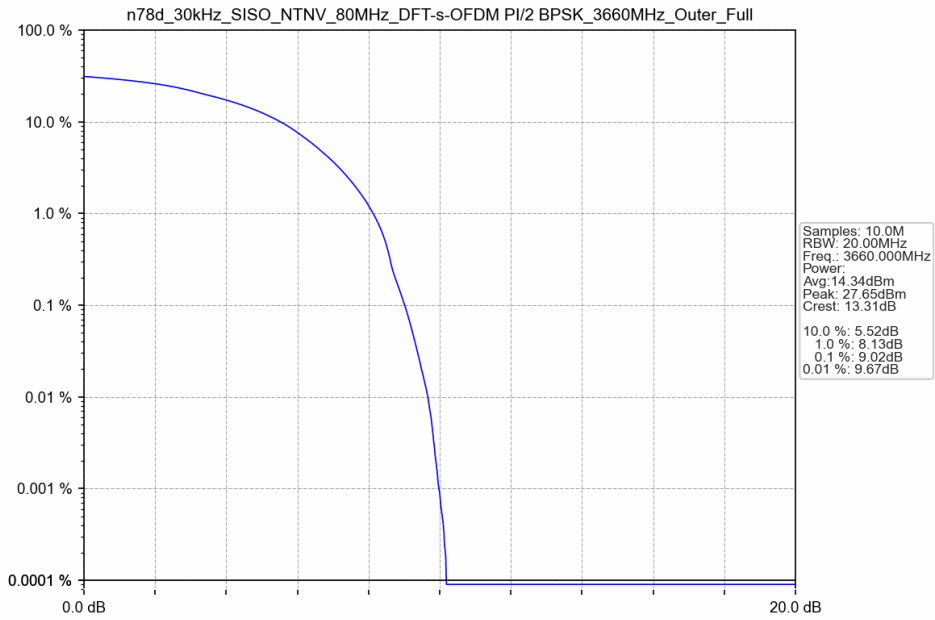
n78d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3590.01MHz_Outer_Full



n78d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3660MHz_Outer_Full



n78d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3590.01MHz_Outer_Full

