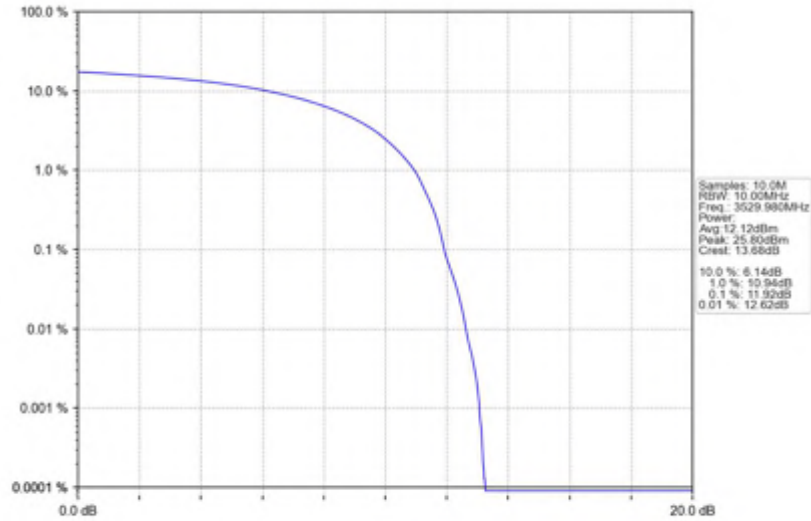
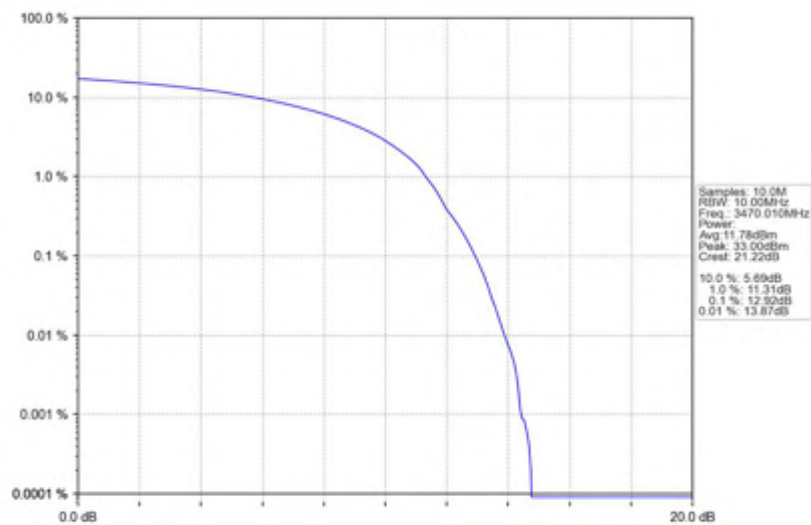




n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3529.98MHz_Outer_Full

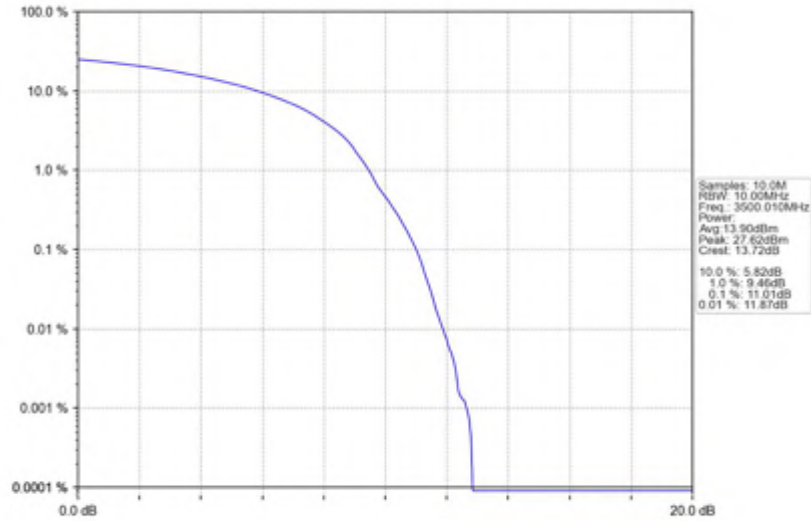


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3470.01MHz_Outer_Full

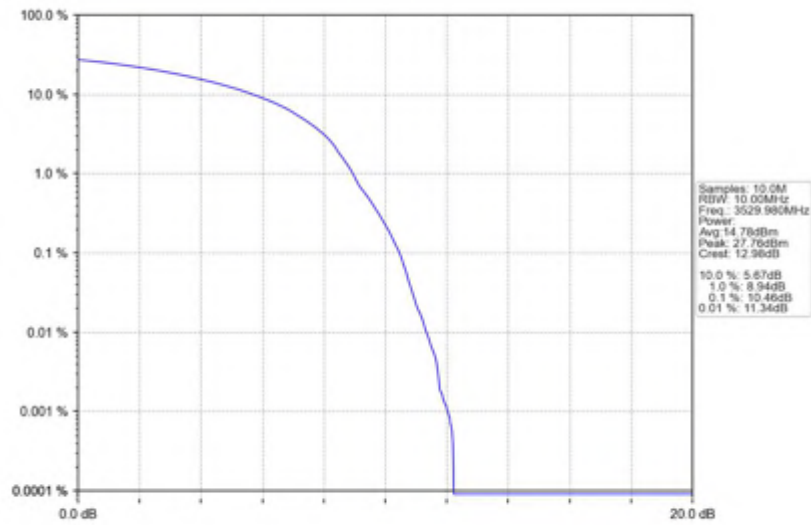




n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

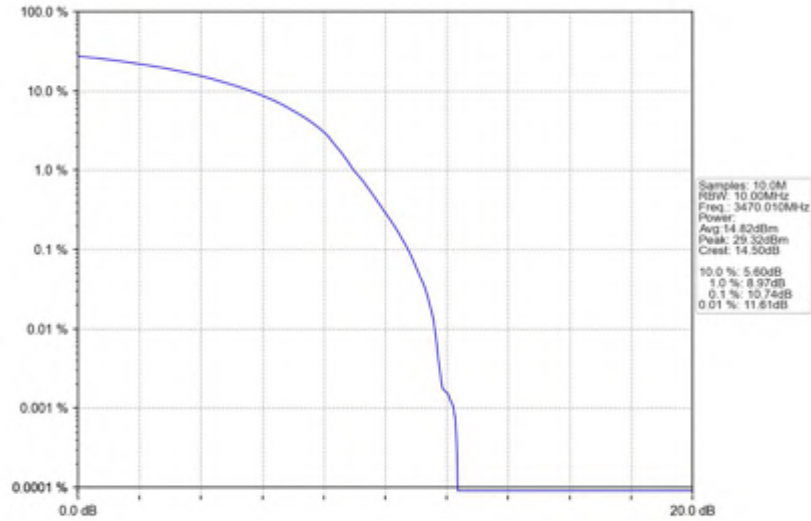


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3529.98MHz_Outer_Full

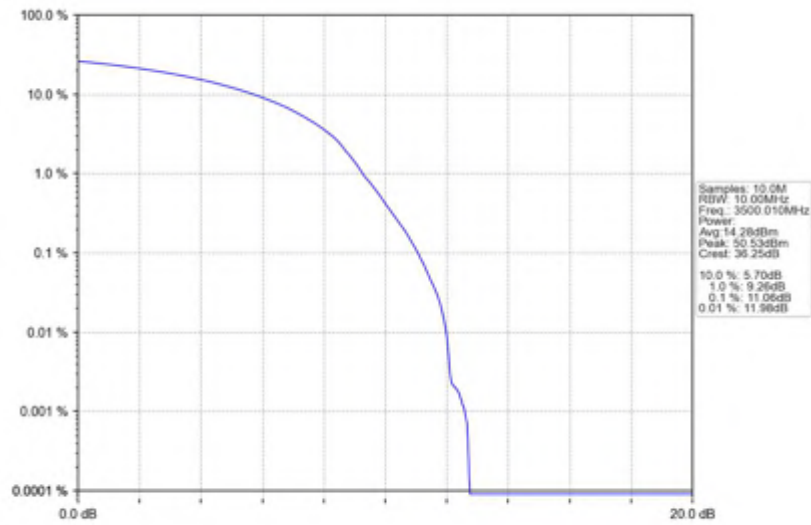




n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_3470.01MHz_Outer_Full

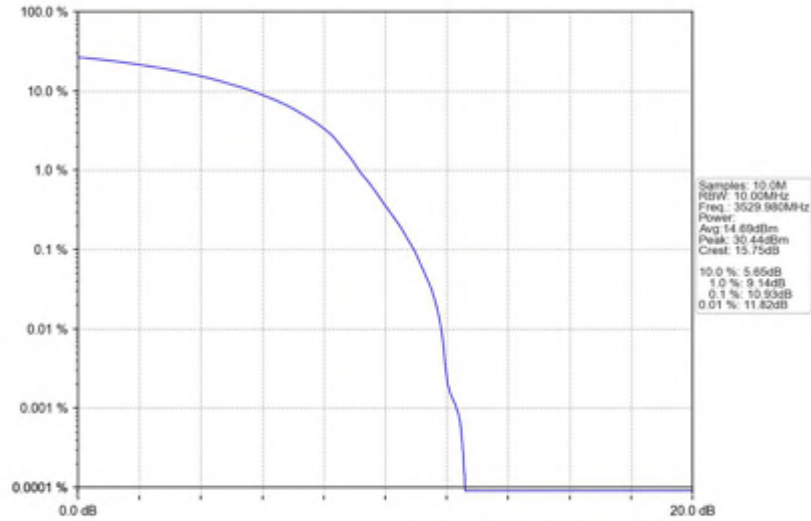


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full

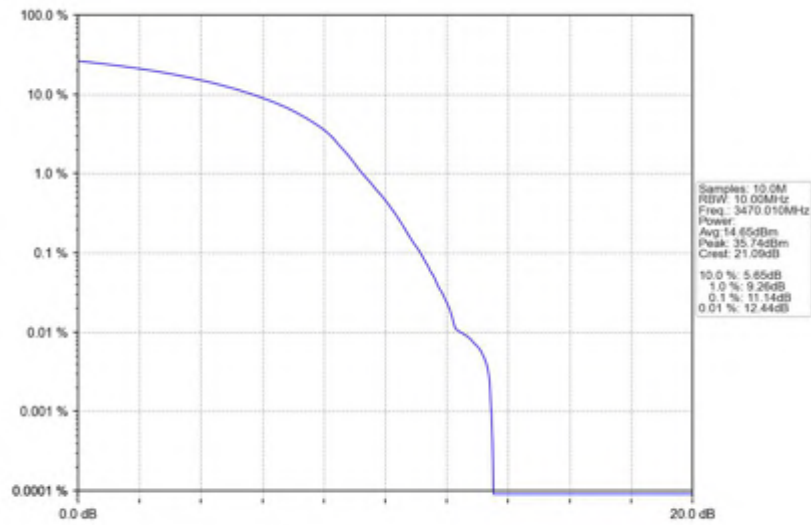




n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_3529.98MHz_Outer_Full

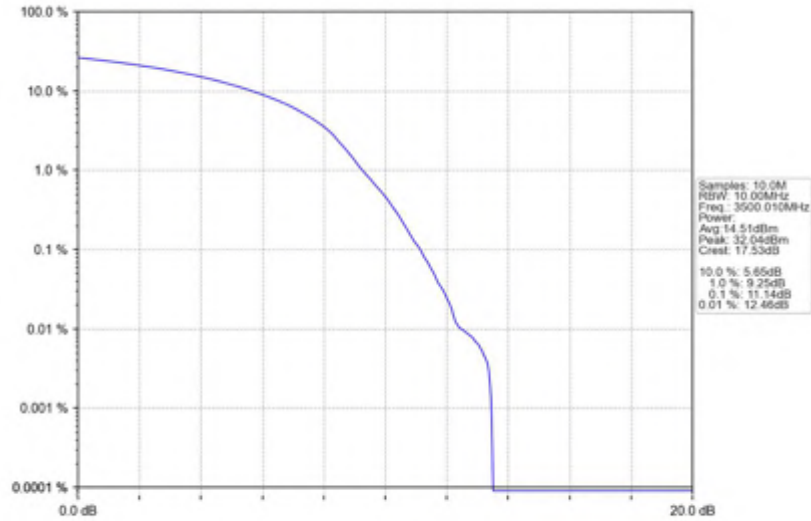


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_3470.01MHz_Outer_Full

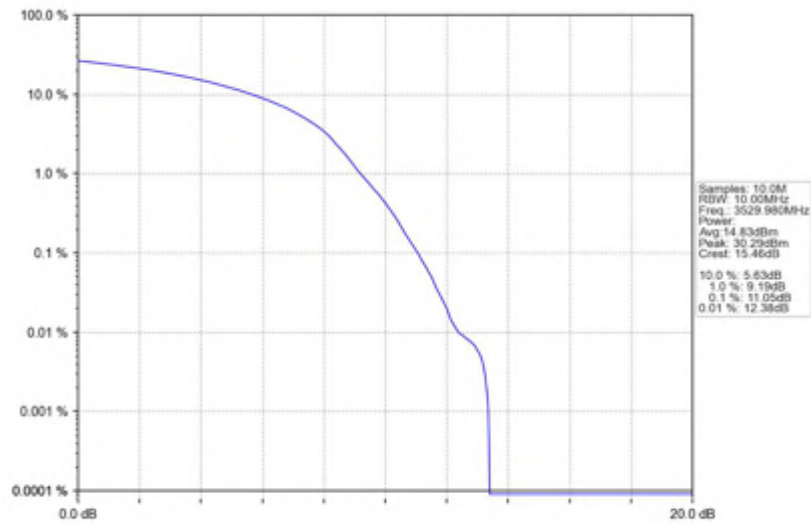




n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full

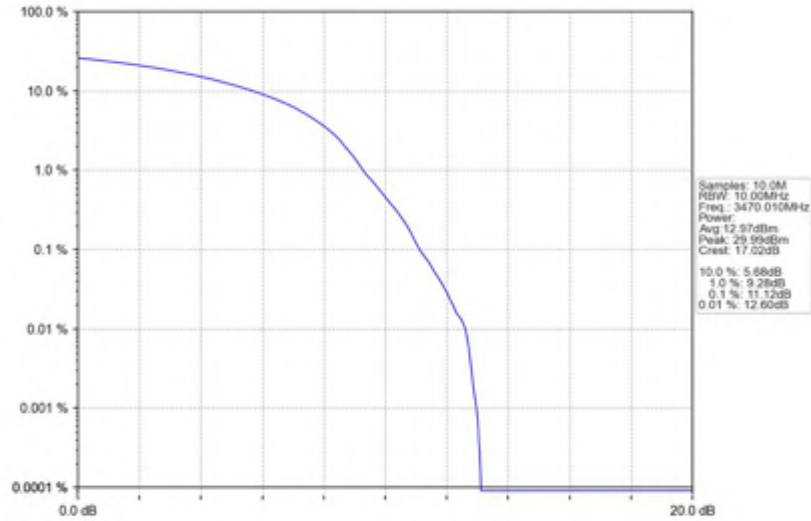


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_3529.98MHz_Outer_Full

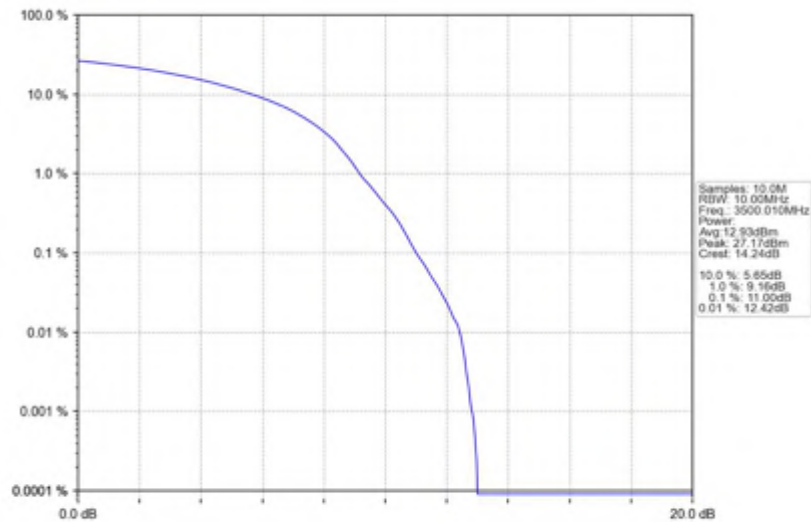




n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3470.01MHz_Outer_Full

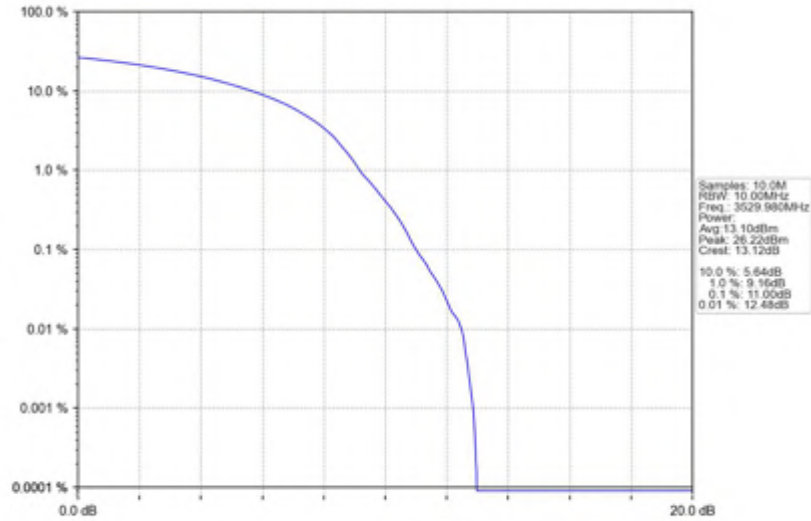


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full

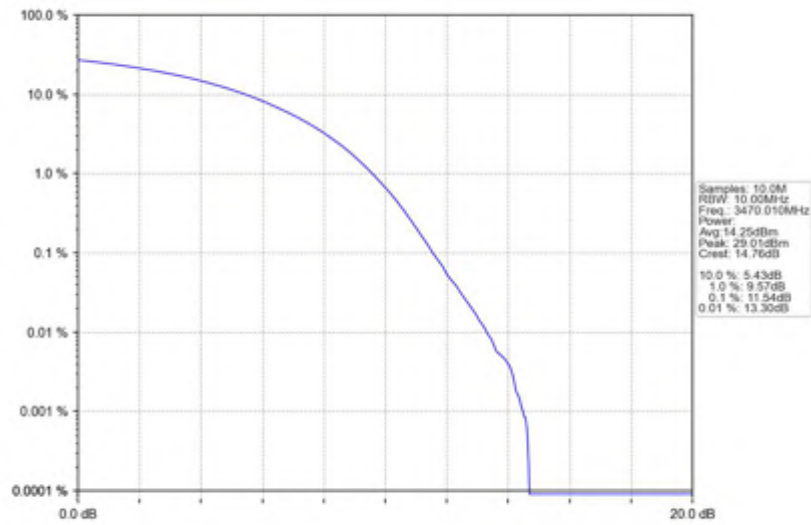




n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3529.98MHz_Outer_Full

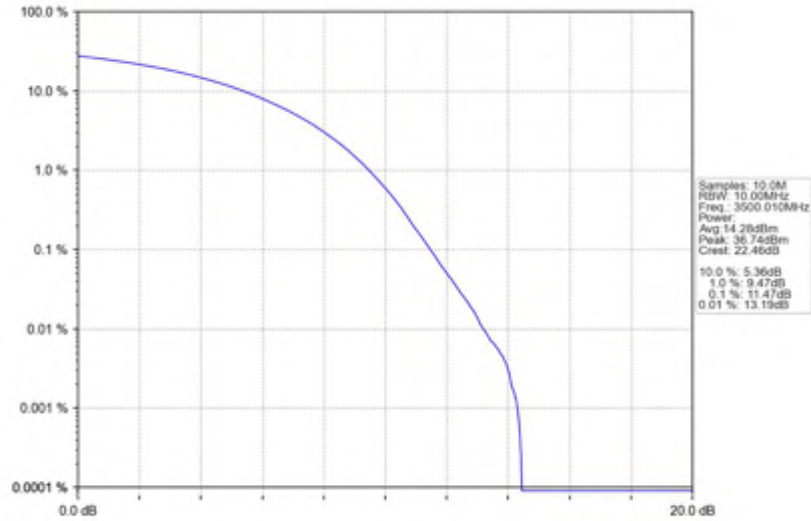


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Outer_Full

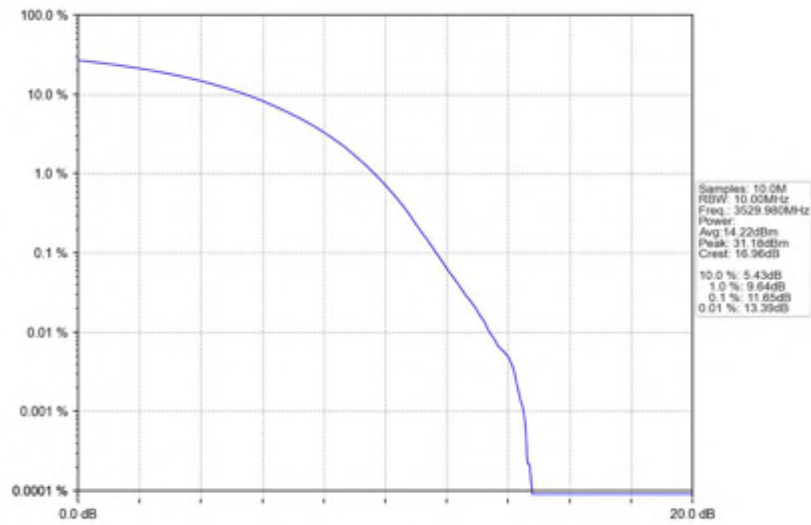




n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full

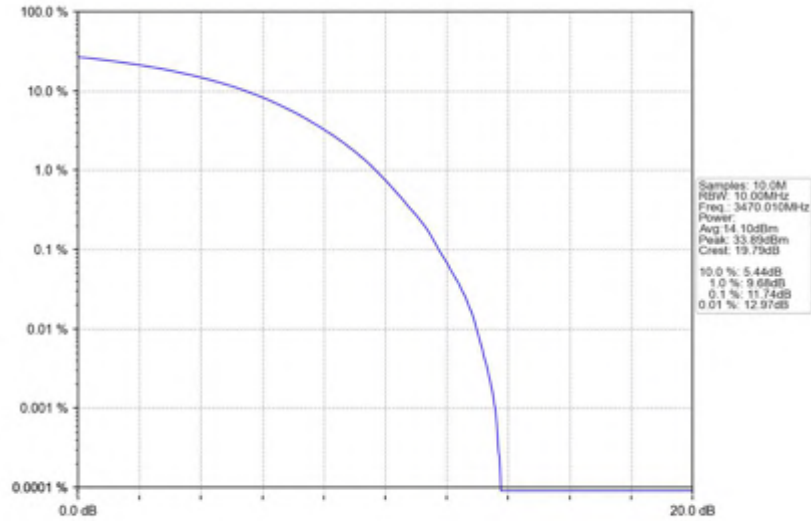


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3529.98MHz_Outer_Full

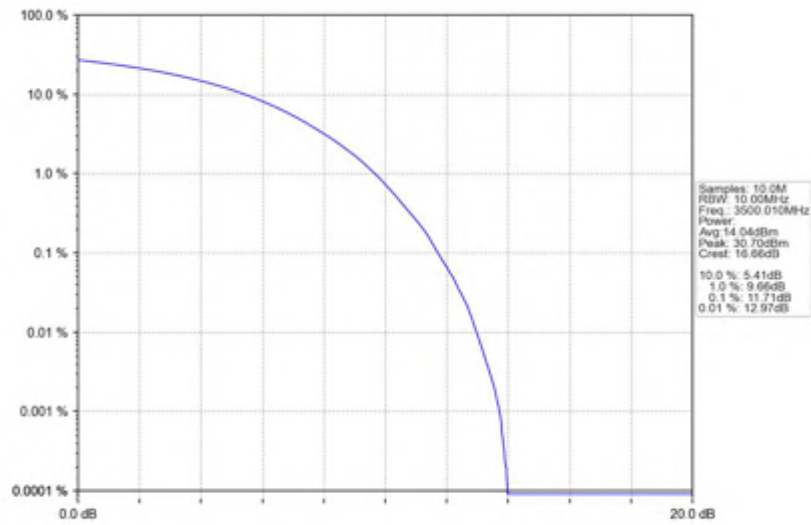




n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_3470.01MHz_Outer_Full

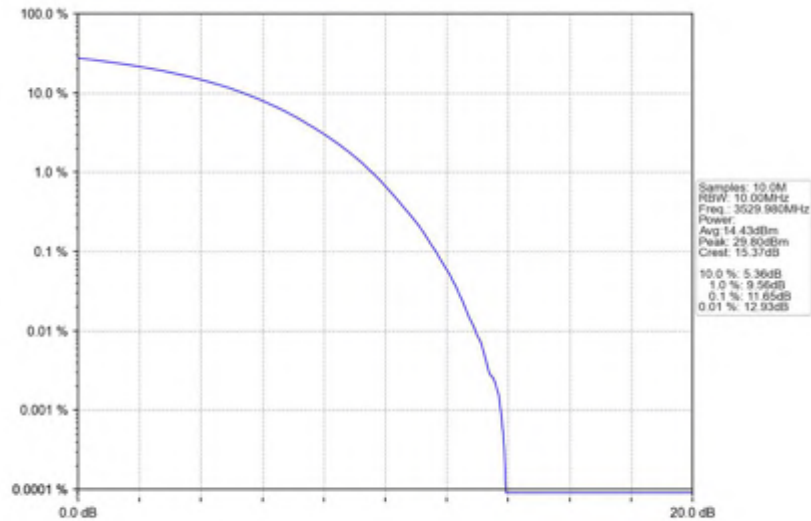


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full

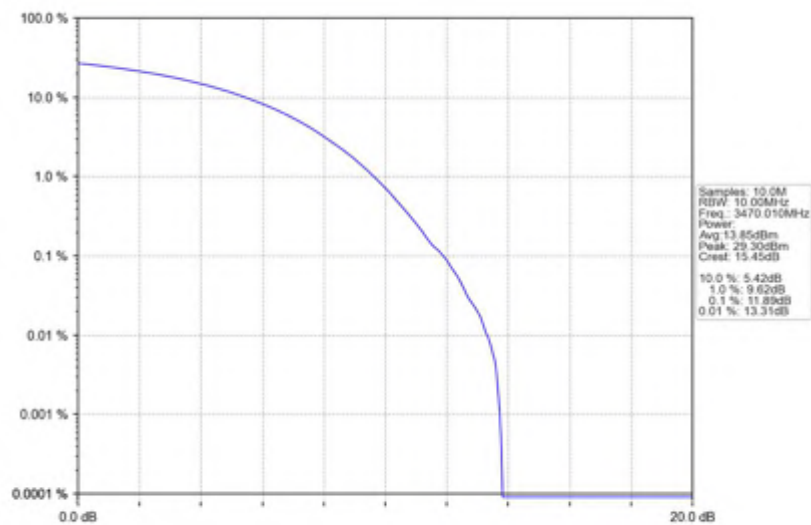




n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3529.98MHz_Outer_Full

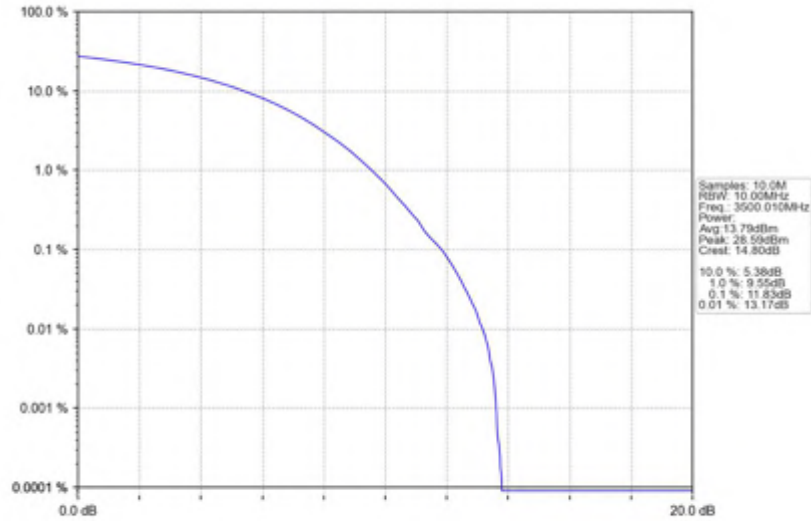


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3470.01MHz_Outer_Full





n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full

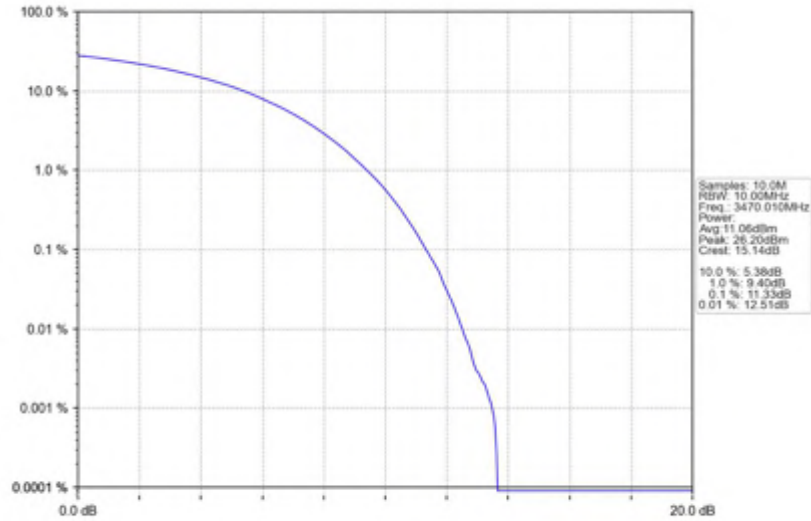


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3529.98MHz_Outer_Full

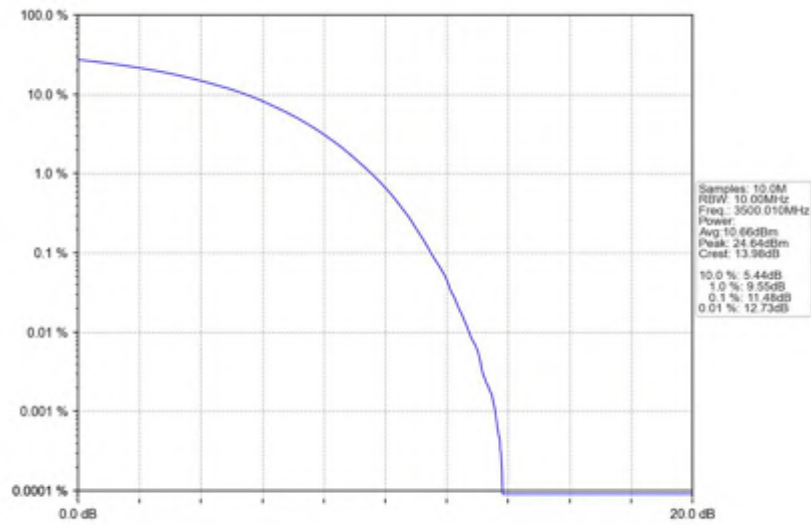




n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3470.01MHz_Outer_Full

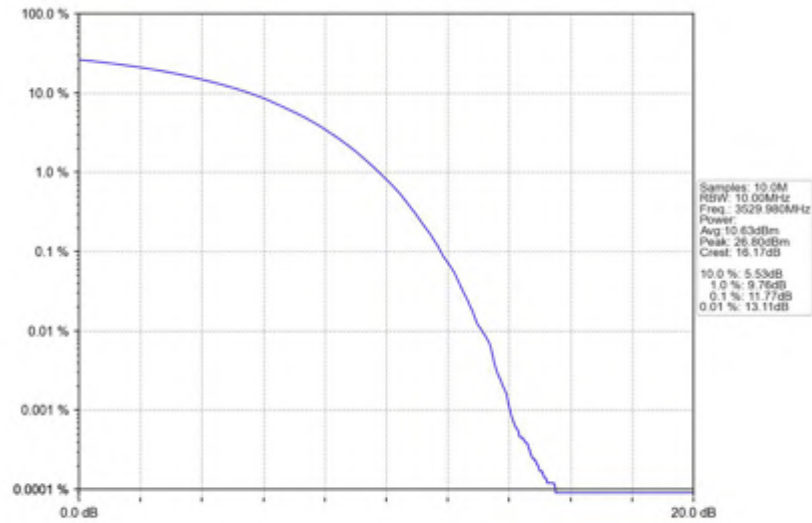


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3500.01MHz_Outer_Full





n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_CP-OFDM 256 QAM 3529.98MHz_Outer_Full





4.4 30k_SISO_50MHz_NTNV

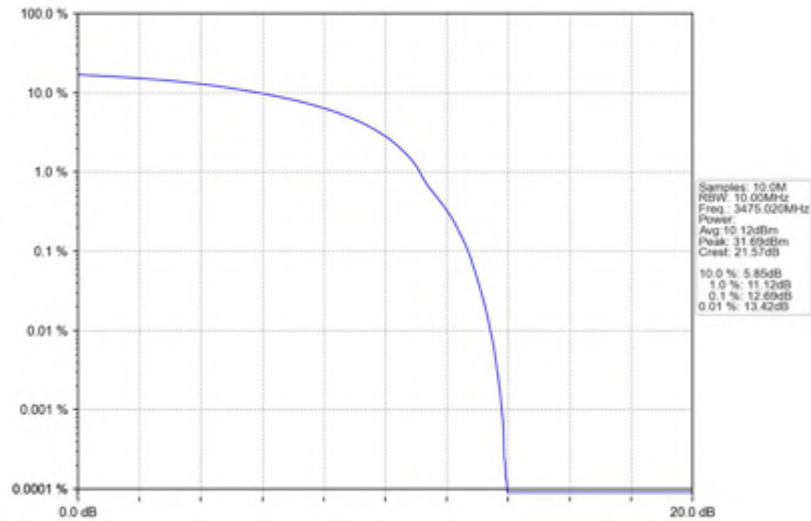
4.4.1 Test Result

5G NR n78(3450-3550MHz) 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	3475.02	Outer Full	12.69	/	/	<=13	Pass
	3500.01	Outer Full	12.91	/	/	<=13	Pass
	3525	Outer Full	12.68	/	/	<=13	Pass
DFT-s-OFDM QPSK	3475.02	Outer Full	10.59	/	/	<=13	Pass
	3500.01	Outer Full	10.98	/	/	<=13	Pass
	3525	Outer Full	10.64	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3475.02	Outer Full	11.08	/	/	<=13	Pass
	3500.01	Outer Full	11.14	/	/	<=13	Pass
	3525	Outer Full	11.13	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3475.02	Outer Full	11.11	/	/	<=13	Pass
	3500.01	Outer Full	11.27	/	/	<=13	Pass
	3525	Outer Full	10.79	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3475.02	Outer Full	11.12	/	/	<=13	Pass
	3500.01	Outer Full	11.13	/	/	<=13	Pass
	3525	Outer Full	11.07	/	/	<=13	Pass
CP-OFDM QPSK	3475.02	Outer Full	11.57	/	/	<=13	Pass
	3500.01	Outer Full	11.89	/	/	<=13	Pass
	3525	Outer Full	11.75	/	/	<=13	Pass
CP-OFDM 16 QAM	3475.02	Outer Full	11.29	/	/	<=13	Pass
	3500.01	Outer Full	11.62	/	/	<=13	Pass
	3525	Outer Full	11.59	/	/	<=13	Pass
CP-OFDM 64 QAM	3475.02	Outer Full	11.99	/	/	<=13	Pass
	3500.01	Outer Full	11.94	/	/	<=13	Pass
	3525	Outer Full	11.72	/	/	<=13	Pass
CP-OFDM 256 QAM	3475.02	Outer Full	11.96	/	/	<=13	Pass
	3500.01	Outer Full	11.87	/	/	<=13	Pass
	3525	Outer Full	11.97	/	/	<=13	Pass

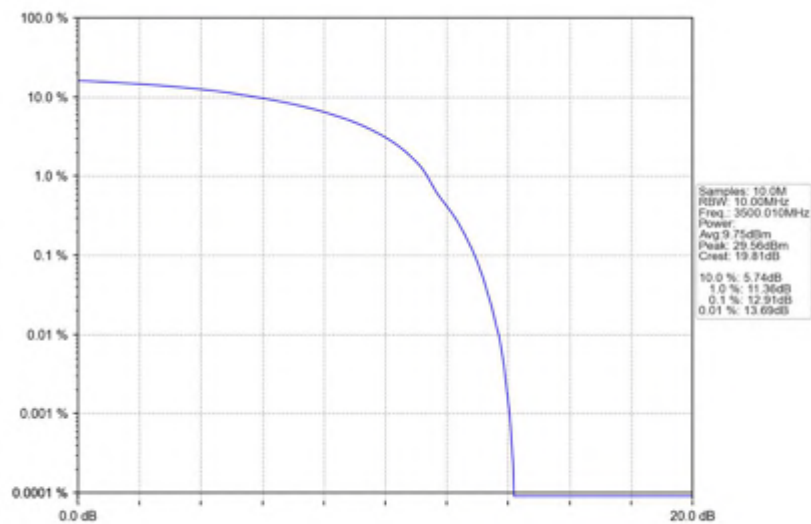


4.4.2 Test Graph

n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Outer_Full

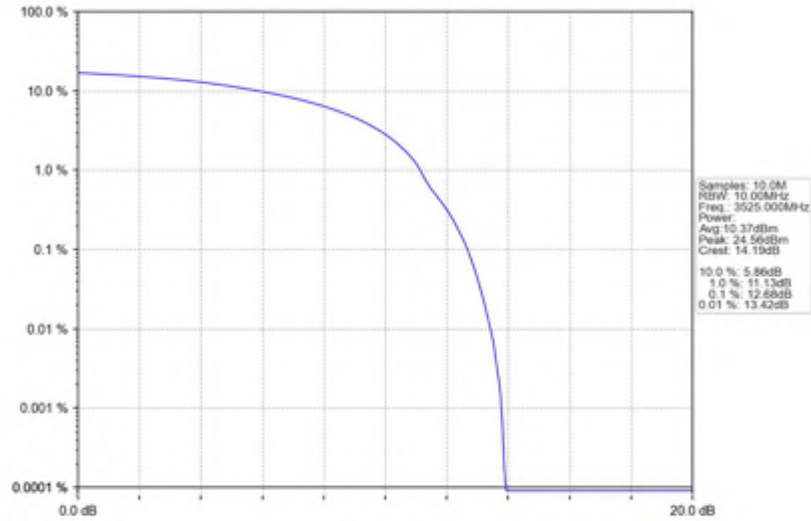


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full

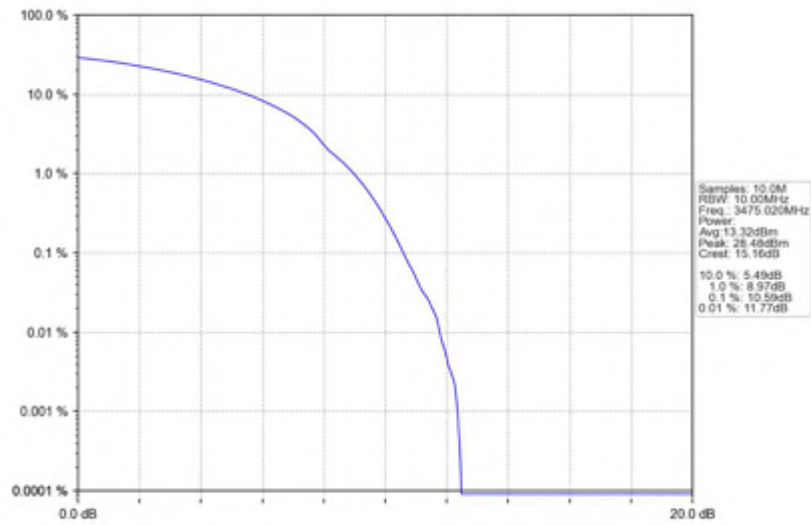




n78(3450-3550MHz) 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3525MHz Outer Full

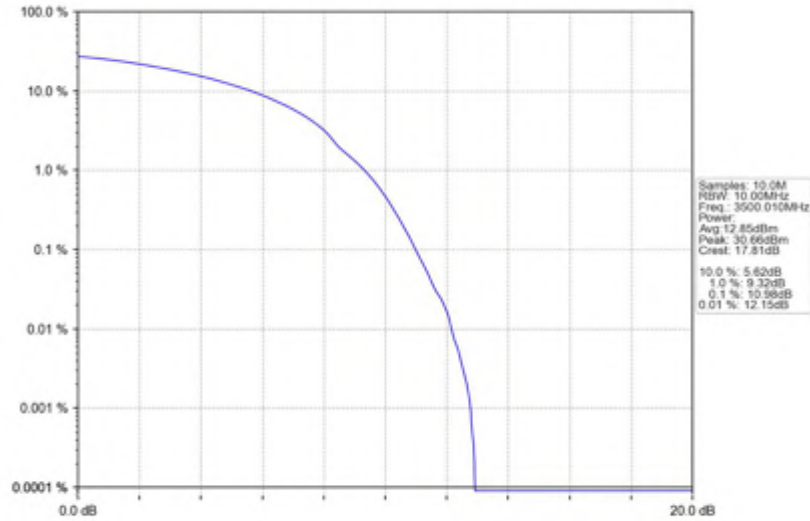


n78(3450-3550MHz) 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3475.02MHz Outer Full

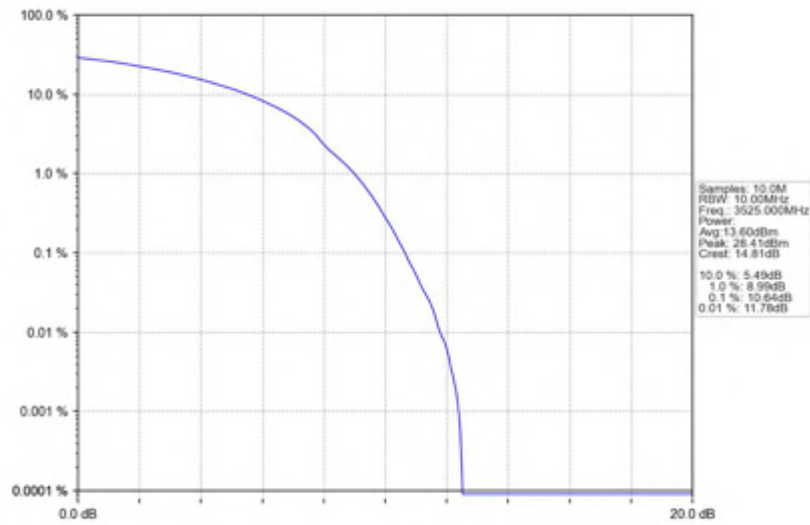




n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3500.01MHz_Outer_Full

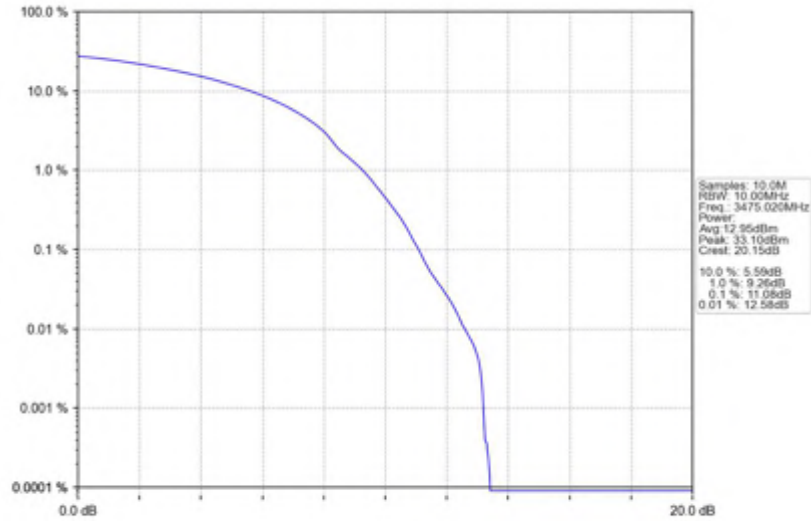


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3525MHz_Outer_Full

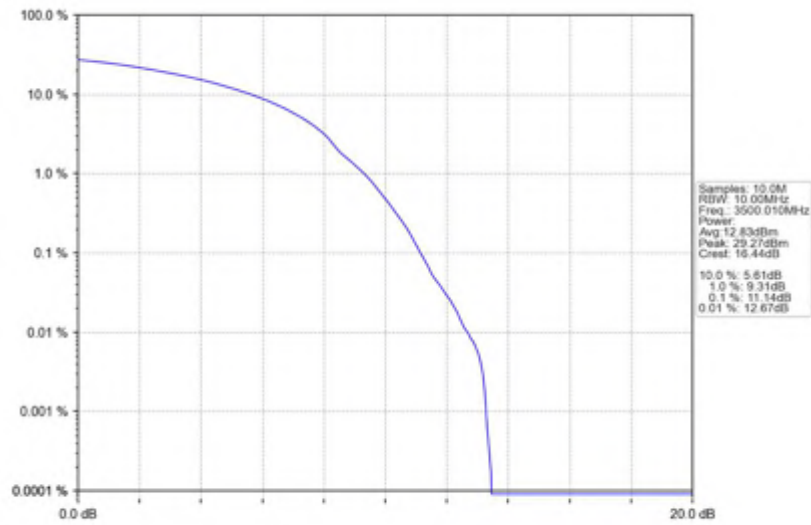




n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3475.02MHz_Outer_Full

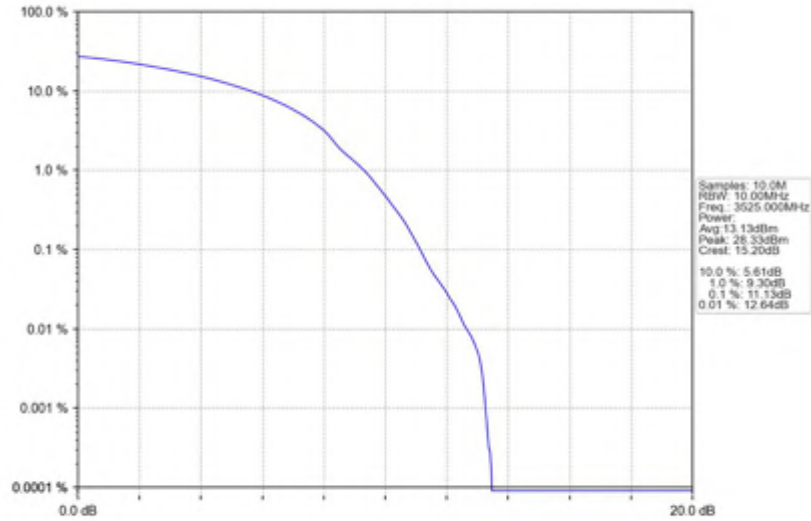


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full

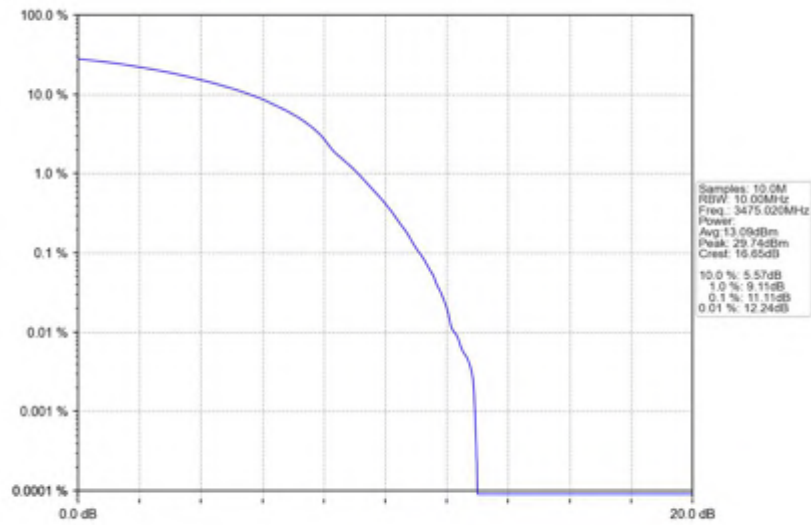




n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3525MHz_Outer_Full

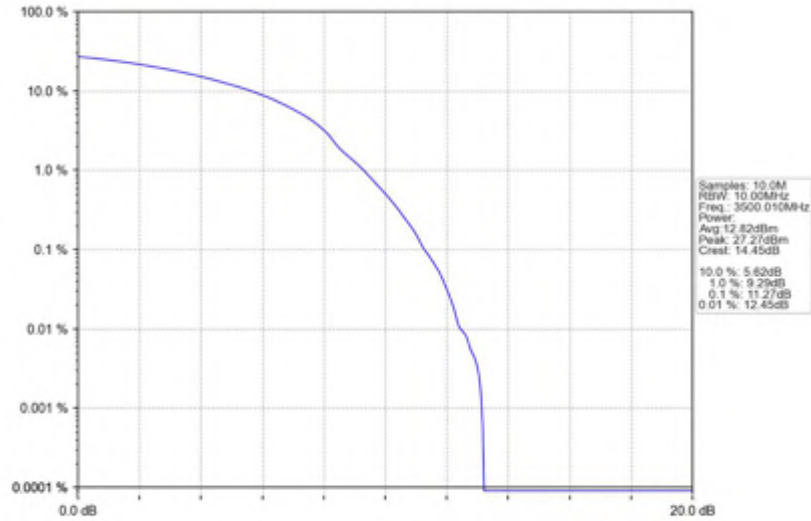


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3475.02MHz_Outer_Full

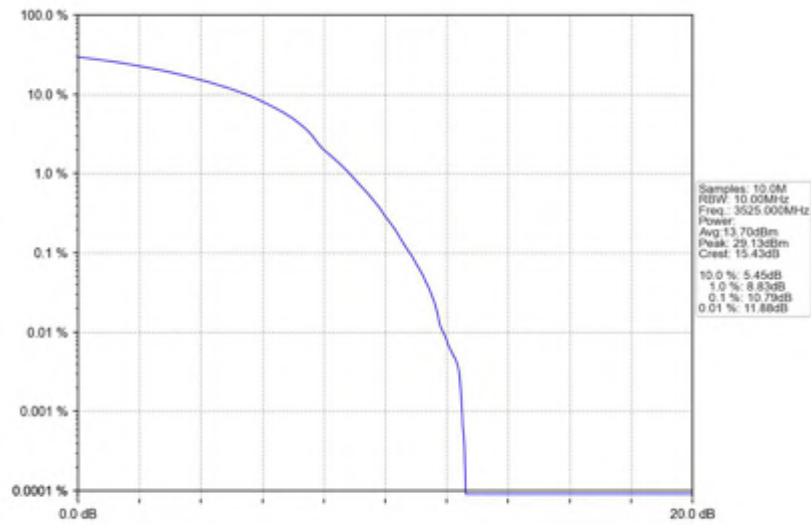




n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full

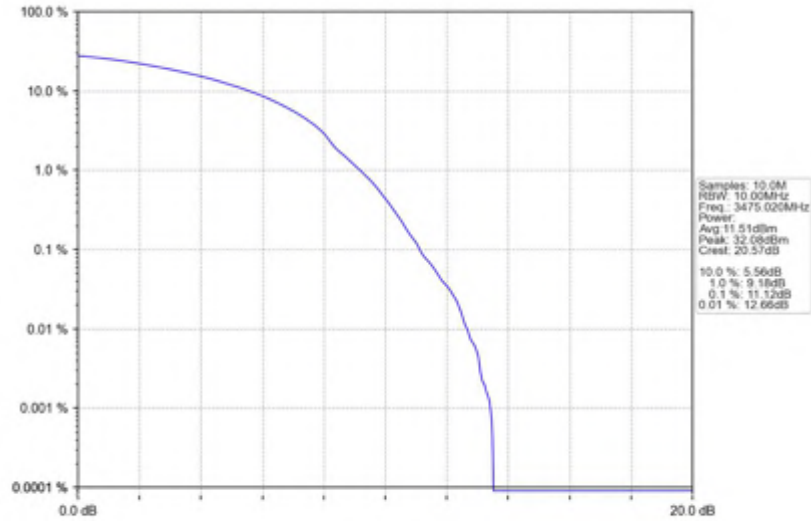


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3525MHz_Outer_Full

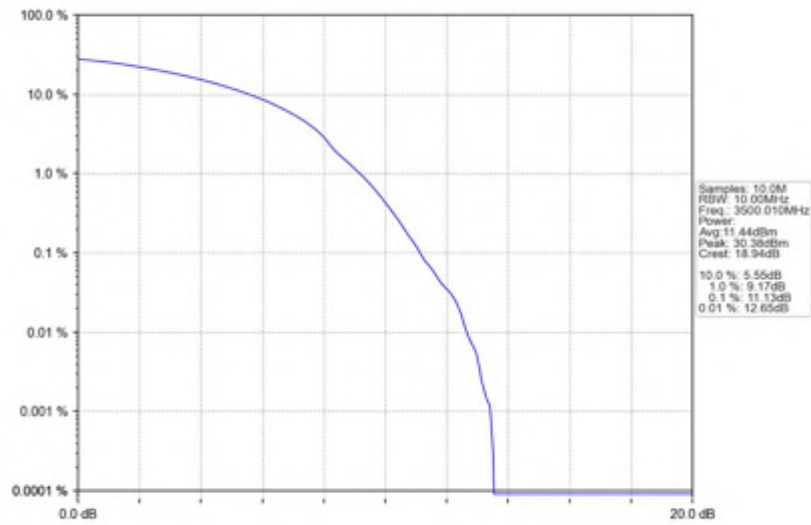




n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3475.02MHz_Outer_Full

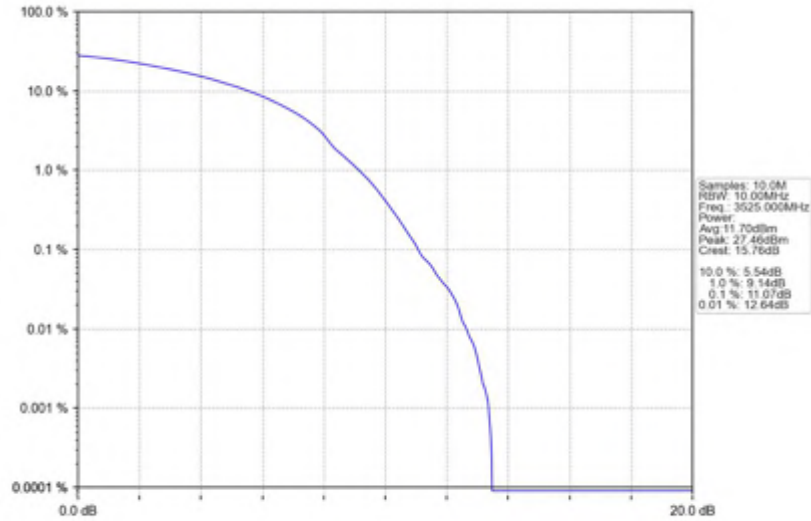


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full

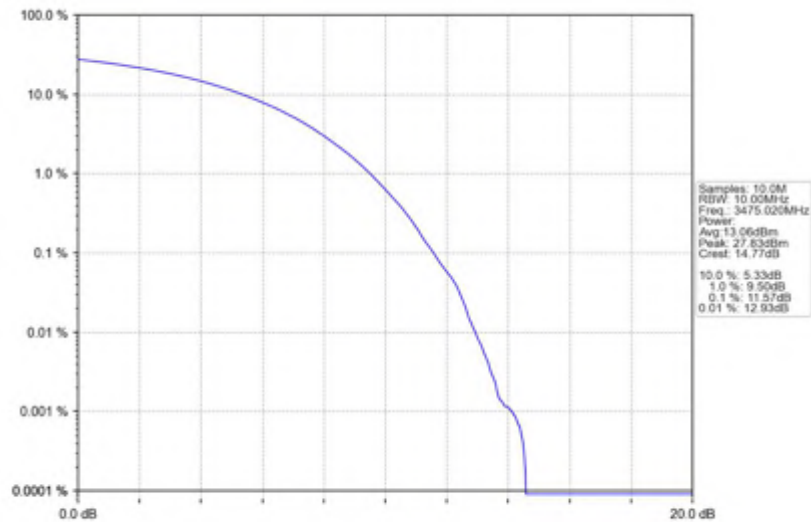




n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3525MHz_Outer_Full

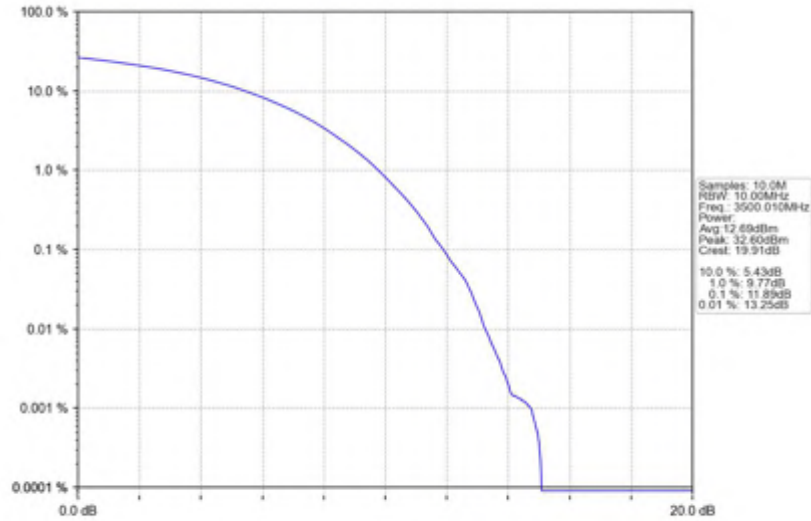


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.02MHz_Outer_Full

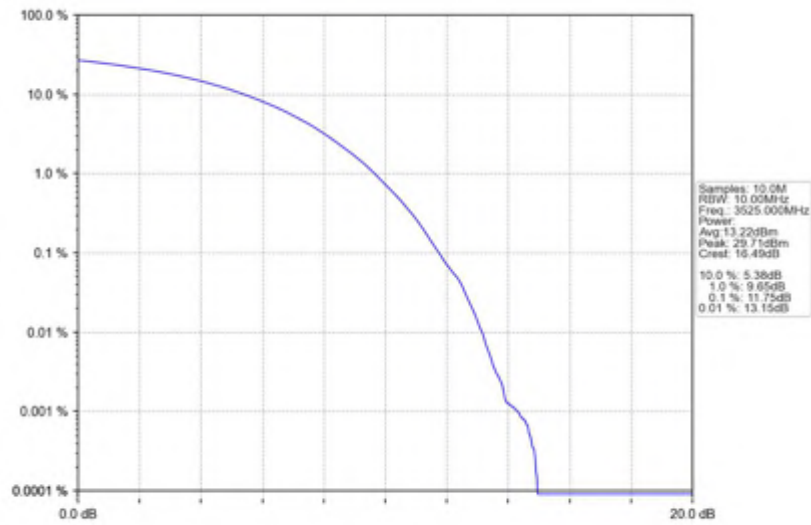




n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3500.01MHz_Outer_Full

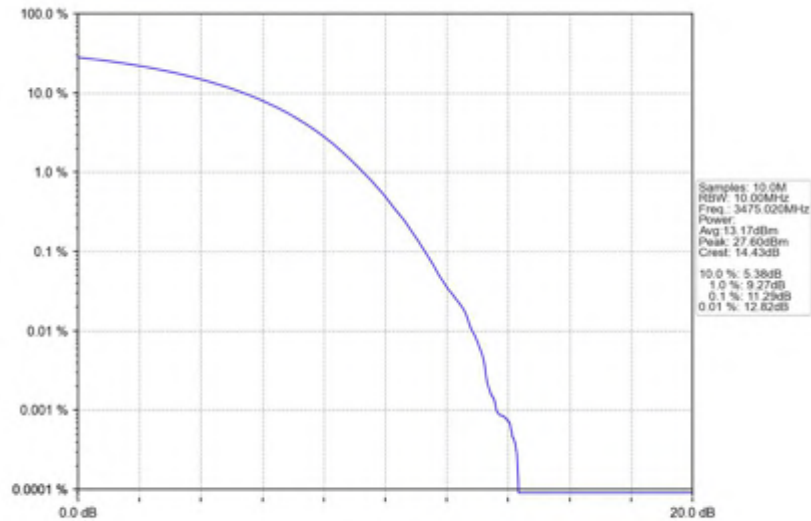


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3525MHz_Outer_Full

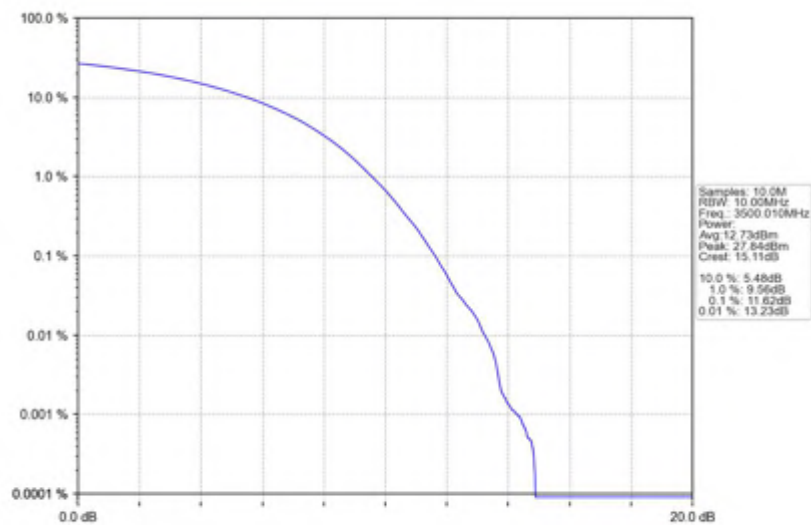




n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM_16_QAM_3475.02MHz_Outer_Full

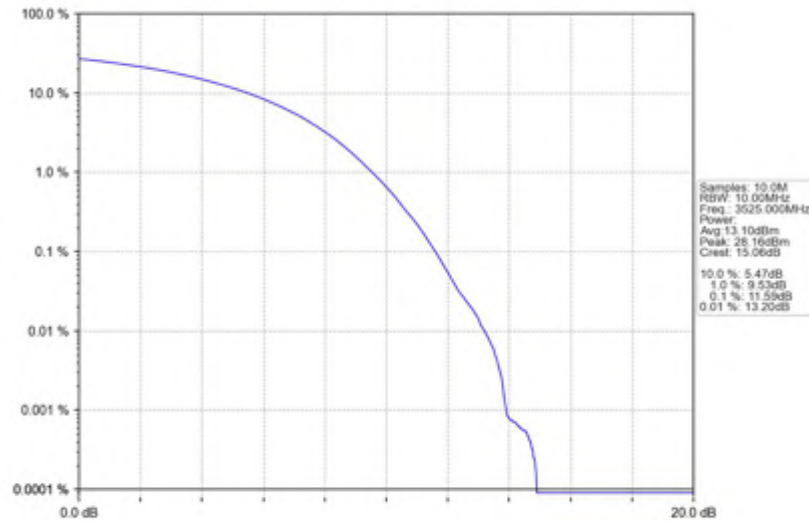


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full

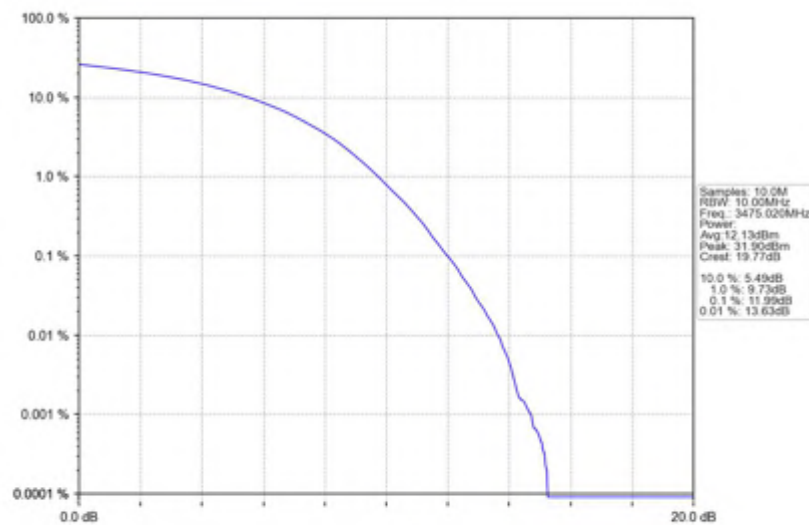




n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3525MHz_Outer_Full

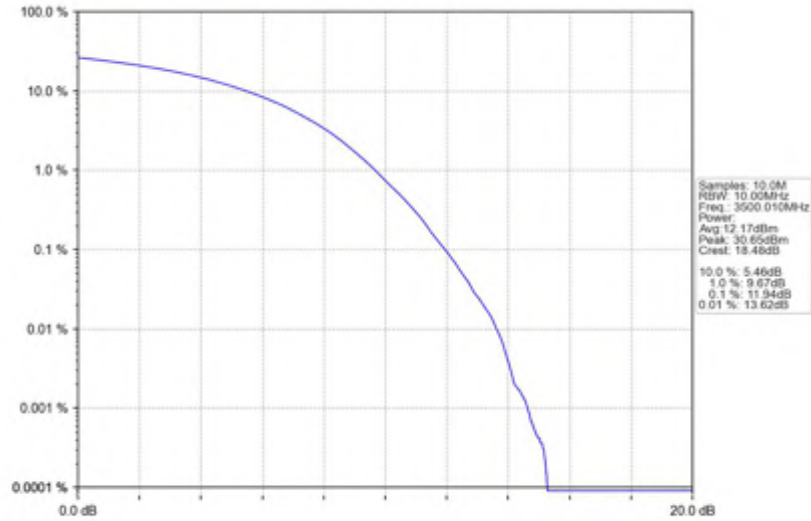


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3475.02MHz_Outer_Full

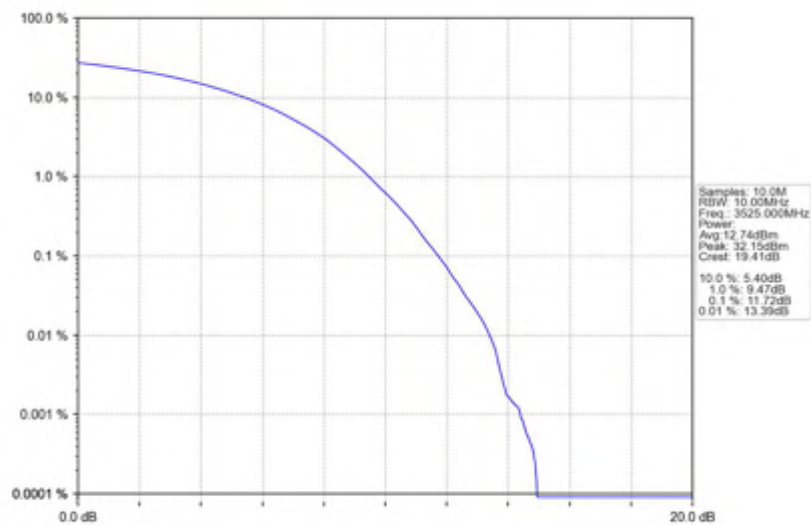




n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full

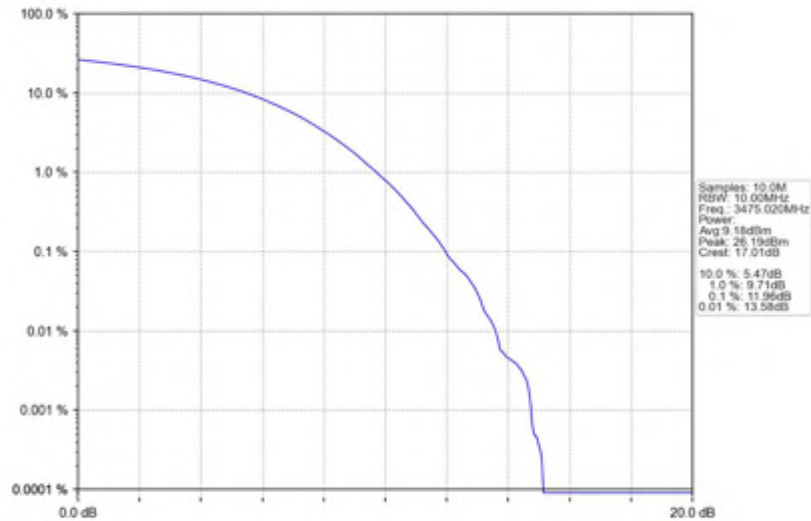


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3525MHz_Outer_Full

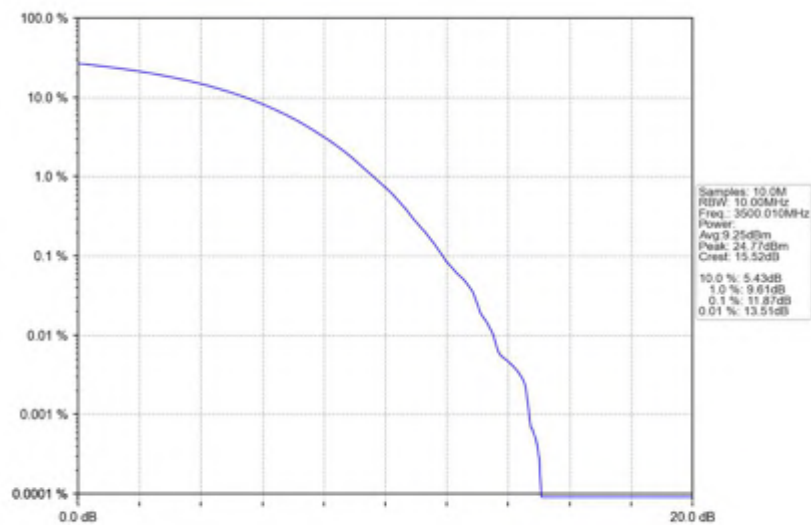




n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM_256_QAM_3475.02MHz_Outer_Full

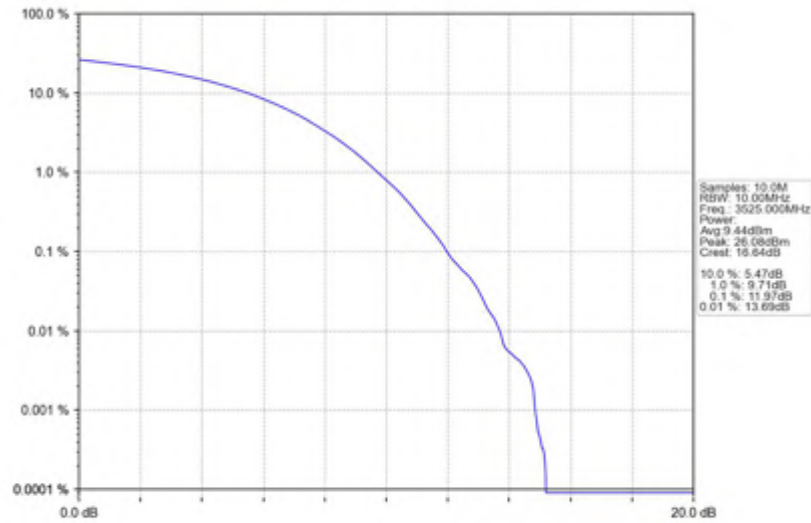


n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full





n78(3450-3550MHz) 30kHz SISO NTN 50MHz CP-OFDM 256 QAM 3525MHz Outer Full





4.5 30k_SISO_60MHz_NTNV

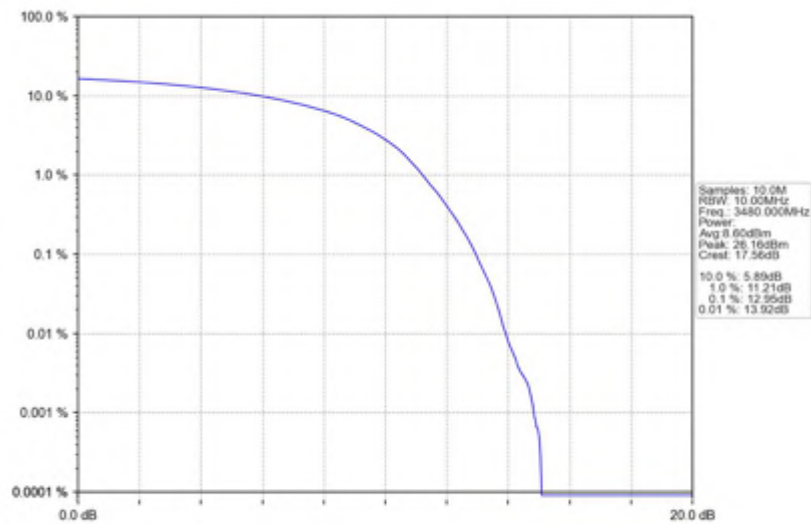
4.5.1 Test Result

5G NR n78(3450-3550MHz) 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	3480	Outer Full	12.95	/	/	<=13	Pass
	3500.01	Outer Full	12.92	/	/	<=13	Pass
	3519.99	Outer Full	12.69	/	/	<=13	Pass
DFT-s-OFDM QPSK	3480	Outer Full	11.14	/	/	<=13	Pass
	3500.01	Outer Full	10.97	/	/	<=13	Pass
	3519.99	Outer Full	10.80	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3480	Outer Full	11.18	/	/	<=13	Pass
	3500.01	Outer Full	11.21	/	/	<=13	Pass
	3519.99	Outer Full	11.16	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3480	Outer Full	10.98	/	/	<=13	Pass
	3500.01	Outer Full	11.27	/	/	<=13	Pass
	3519.99	Outer Full	11.37	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3480	Outer Full	11.32	/	/	<=13	Pass
	3500.01	Outer Full	11.23	/	/	<=13	Pass
	3519.99	Outer Full	10.94	/	/	<=13	Pass
CP-OFDM QPSK	3480	Outer Full	11.79	/	/	<=13	Pass
	3500.01	Outer Full	11.67	/	/	<=13	Pass
	3519.99	Outer Full	11.79	/	/	<=13	Pass
CP-OFDM 16 QAM	3480	Outer Full	11.70	/	/	<=13	Pass
	3500.01	Outer Full	11.91	/	/	<=13	Pass
	3519.99	Outer Full	11.80	/	/	<=13	Pass
CP-OFDM 64 QAM	3480	Outer Full	11.62	/	/	<=13	Pass
	3500.01	Outer Full	11.95	/	/	<=13	Pass
	3519.99	Outer Full	11.56	/	/	<=13	Pass
CP-OFDM 256 QAM	3480	Outer Full	11.65	/	/	<=13	Pass
	3500.01	Outer Full	11.75	/	/	<=13	Pass
	3519.99	Outer Full	11.67	/	/	<=13	Pass

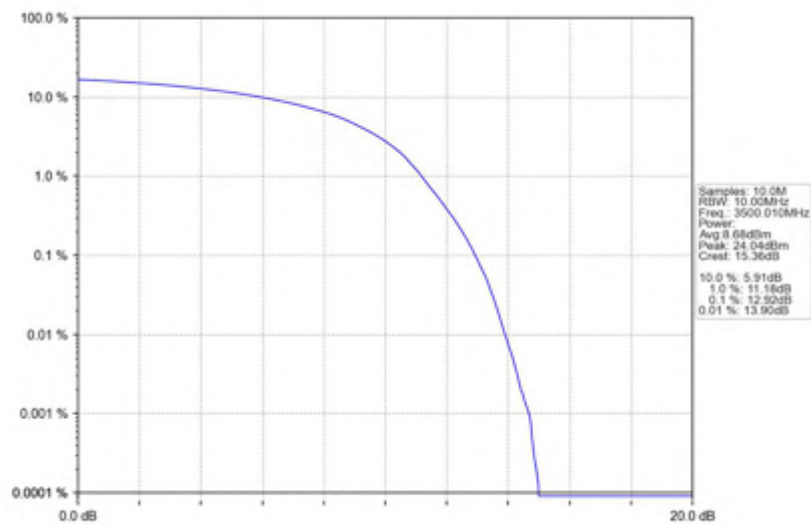


4.5.2 Test Graph

n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3480MHz_Outer_Full

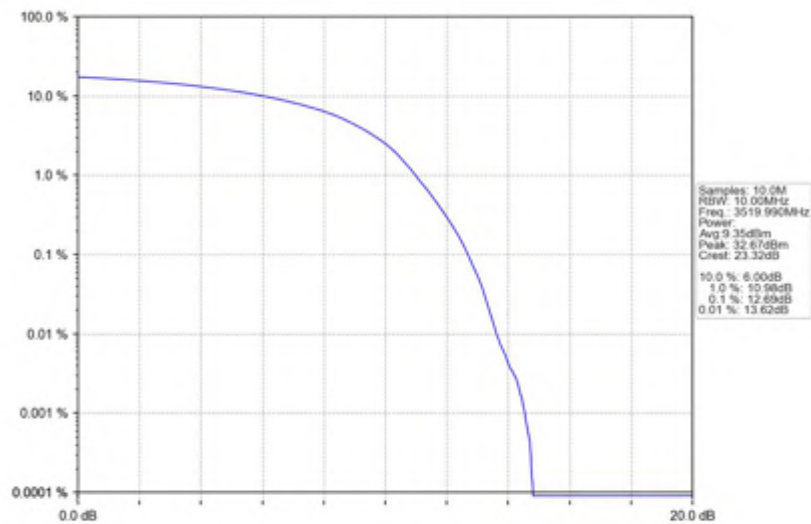


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full

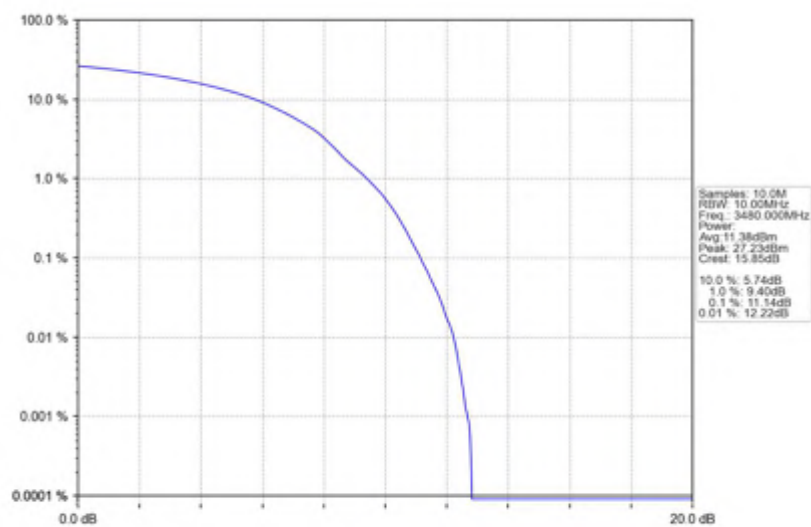




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_PI/2_BPSK_3519.99MHz_Outer_Full

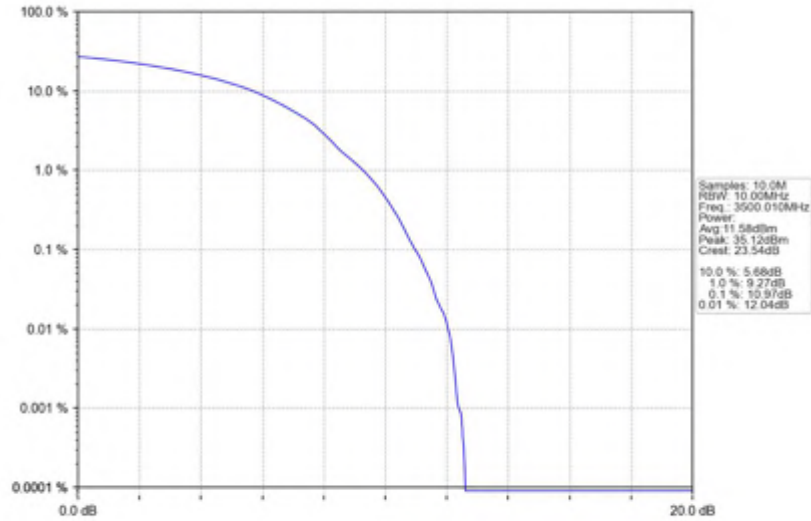


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_QPSK_3480MHz_Outer_Full

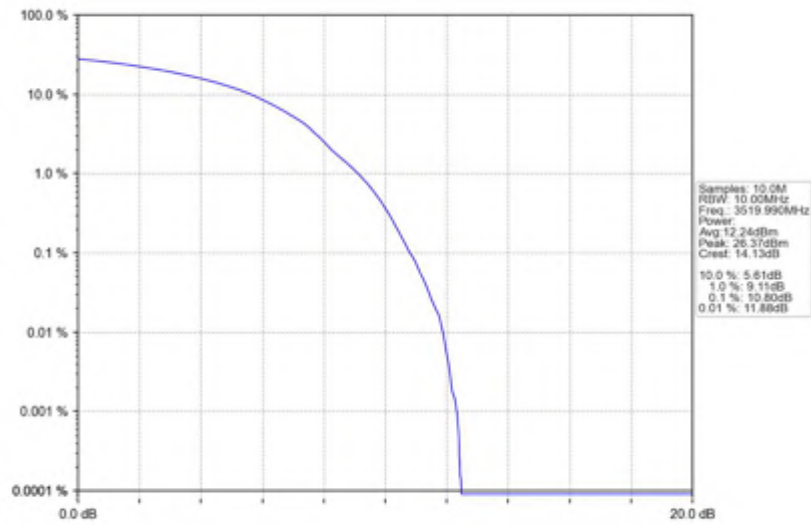




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

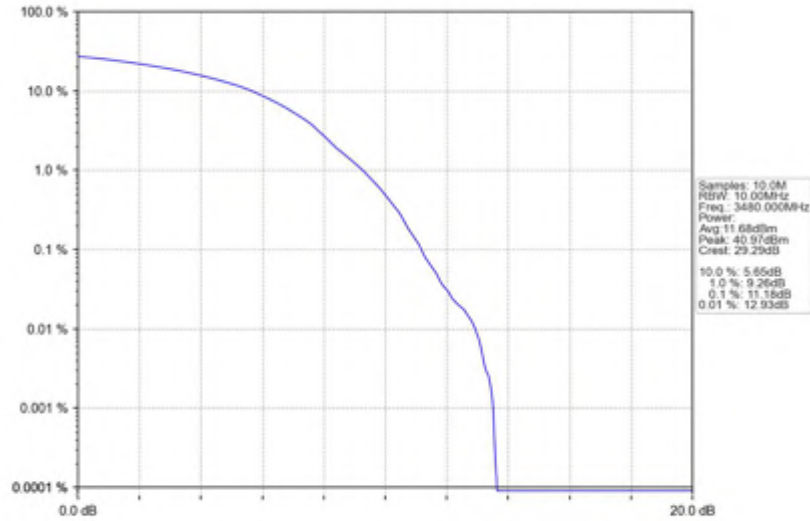


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_QPSK_3519.99MHz_Outer_Full

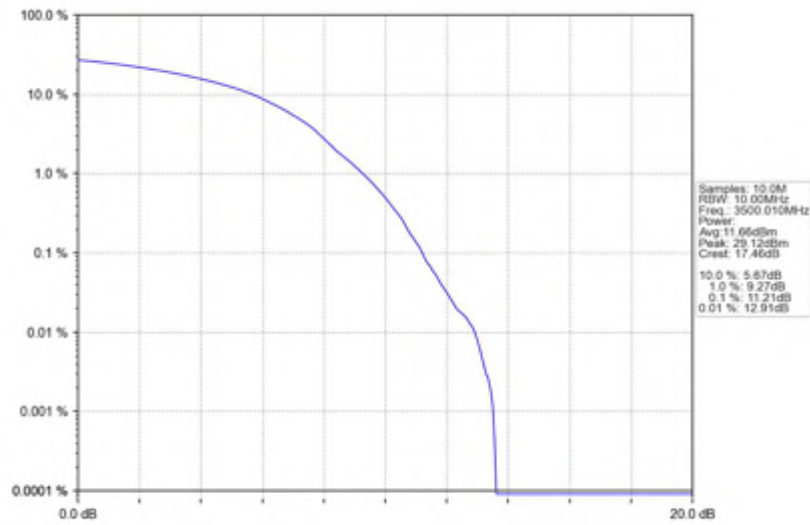




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_3480MHz_Outer_Full

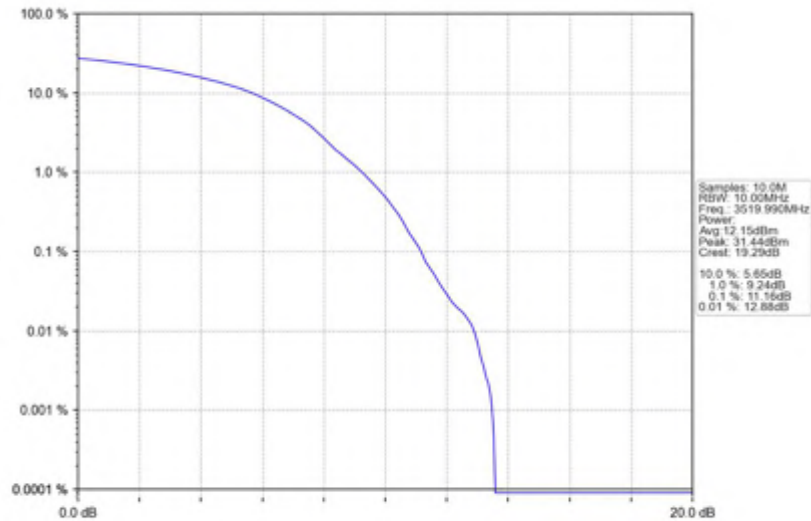


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full

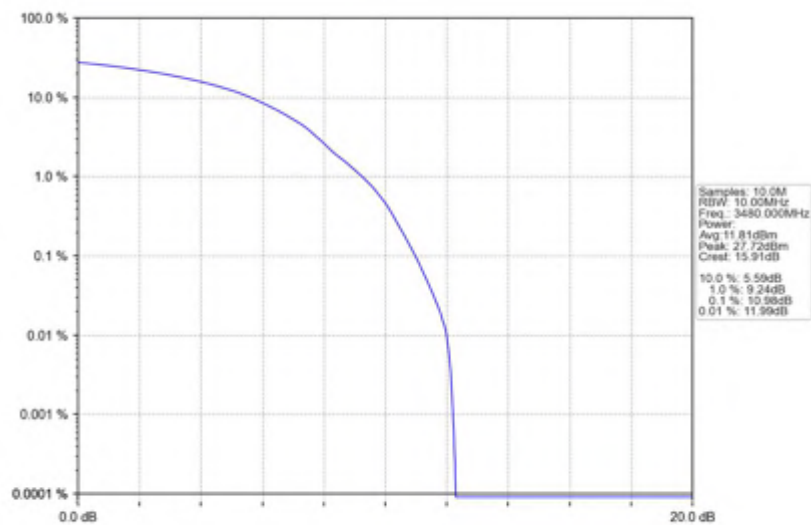




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 16 QAM_3519.99MHz_Outer_Full

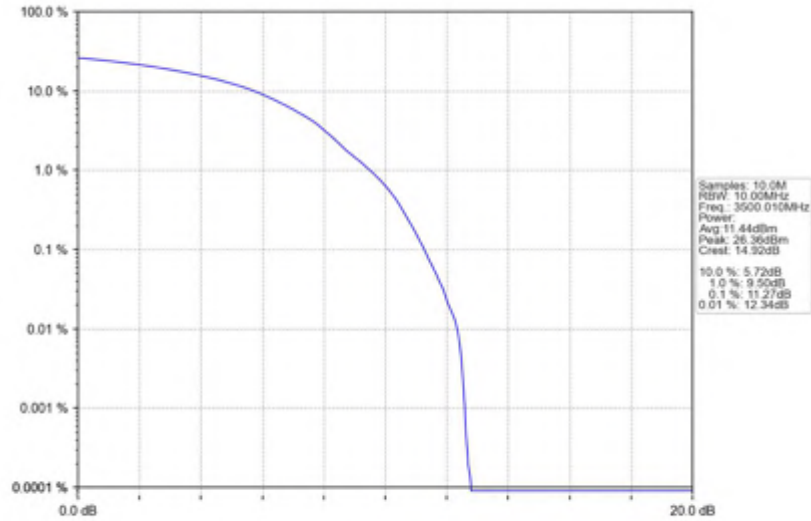


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3480MHz_Outer_Full

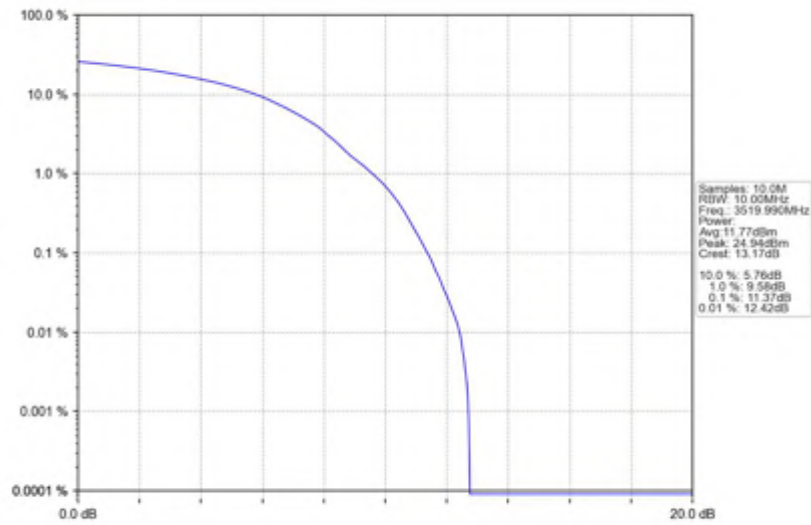




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full

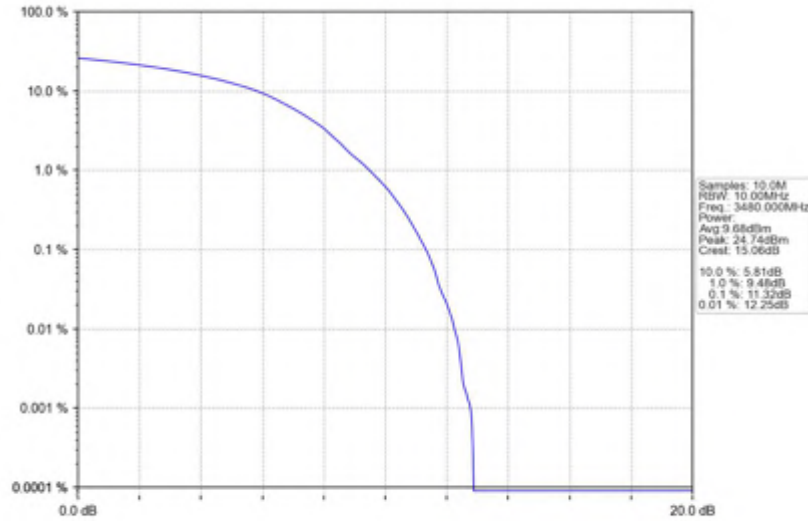


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_64_QAM_3519.99MHz_Outer_Full

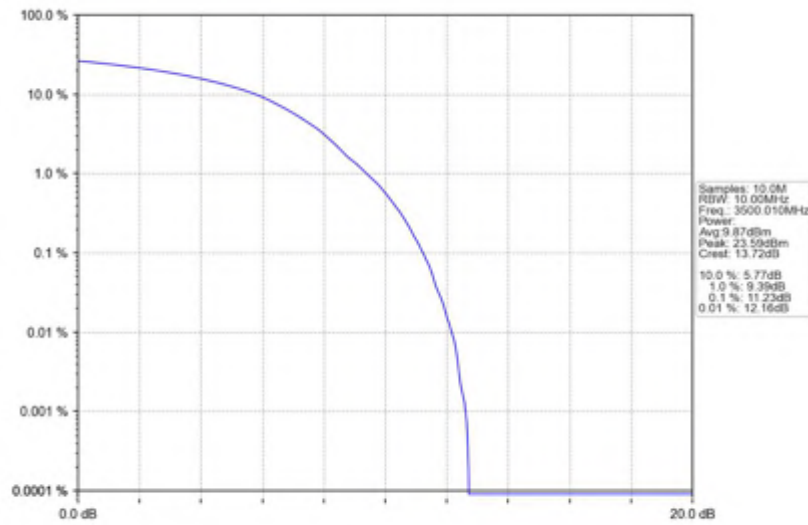




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_3480MHz_Outer_Full

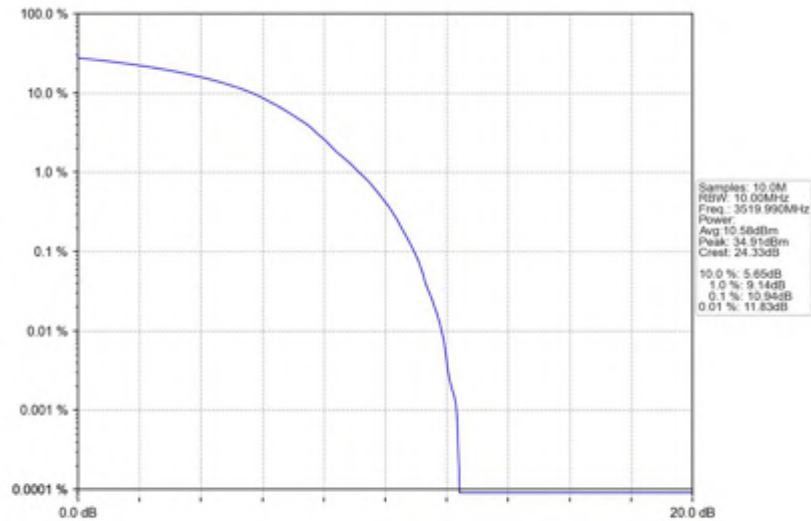


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full

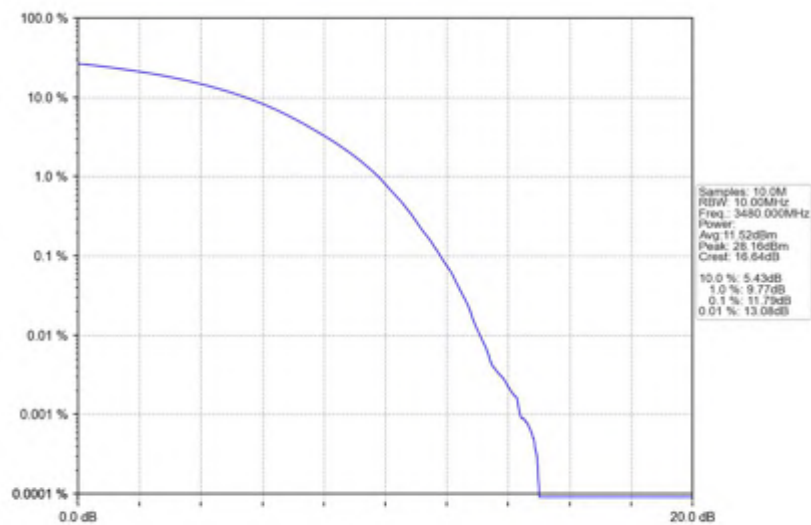




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_3519.99MHz_Outer_Full

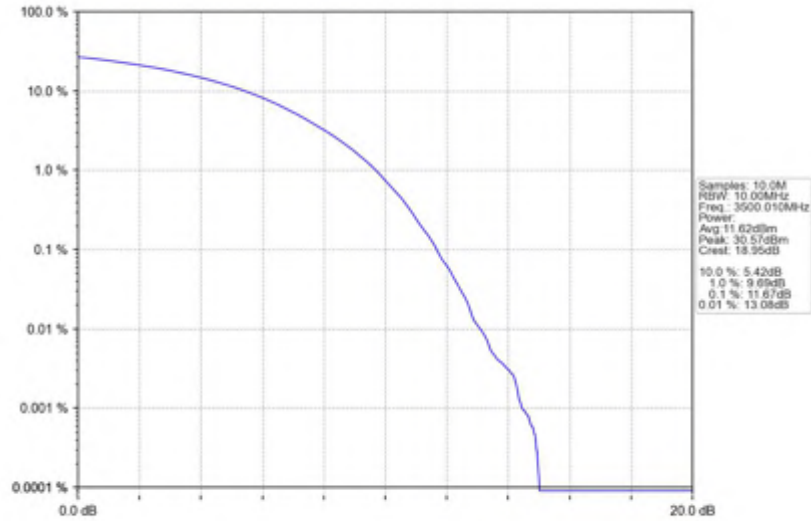


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_QPSK_3480MHz_Outer_Full

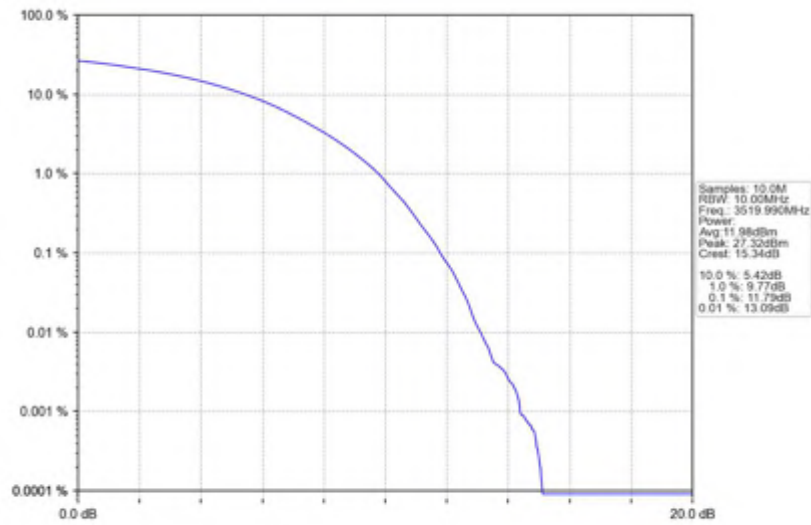




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full

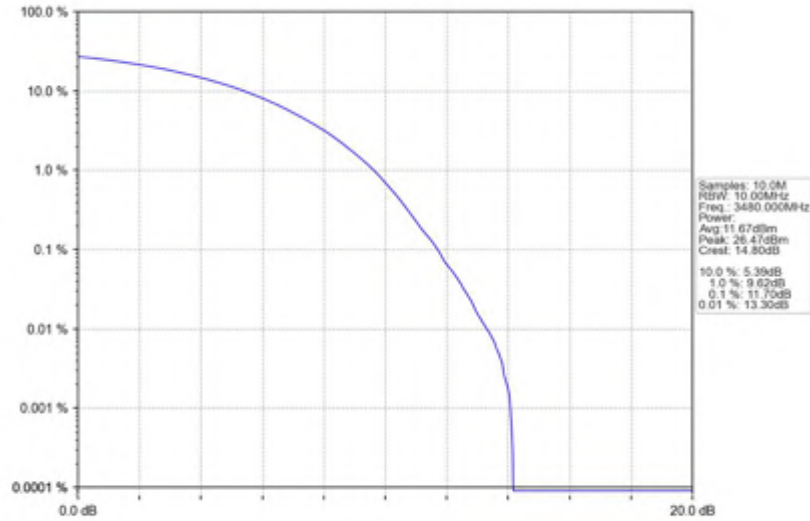


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_QPSK_3519.99MHz_Outer_Full

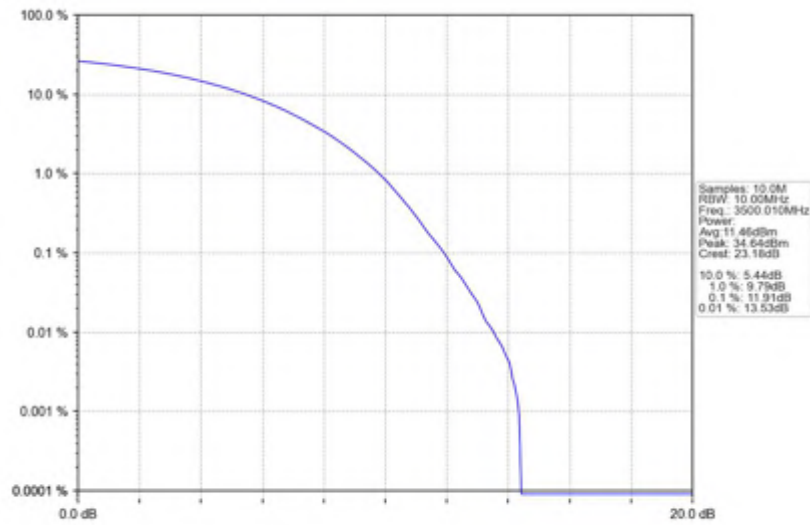




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_16_QAM_3480MHz_Outer_Full

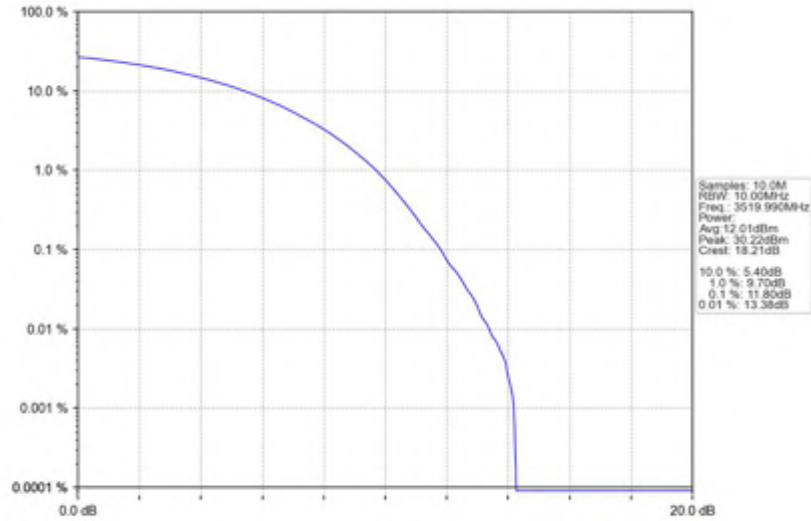


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full

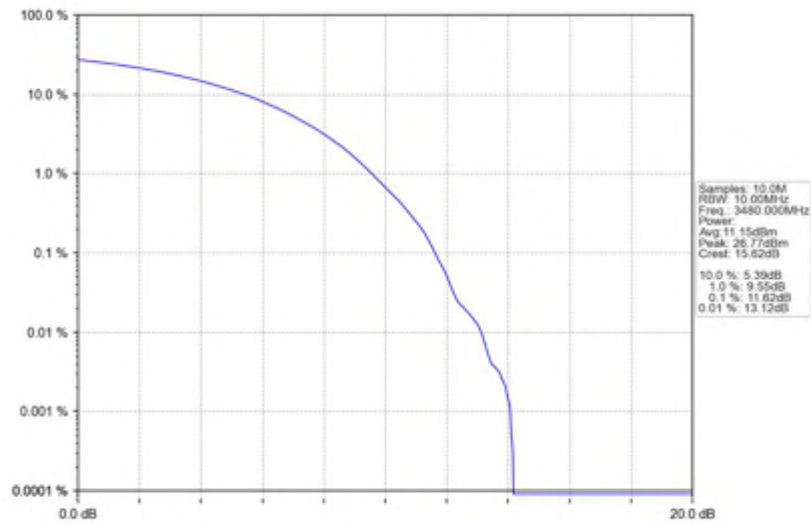




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_16_QAM_3519.99MHz_Outer_Full

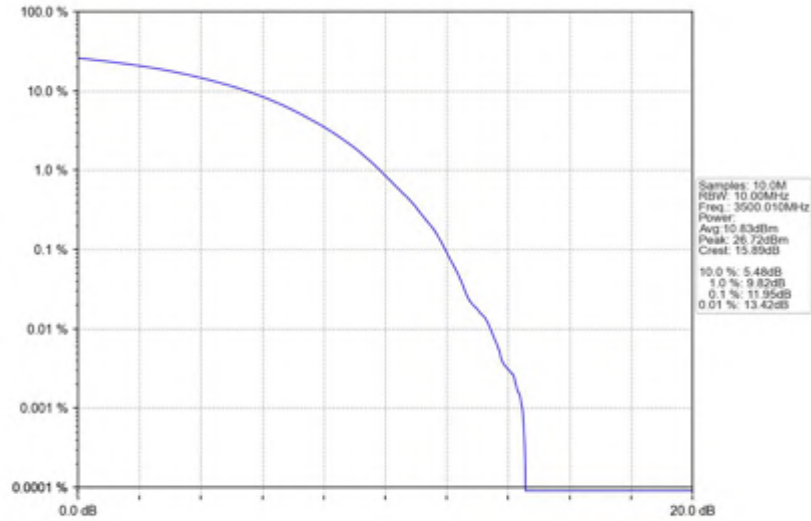


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_64_QAM_3480MHz_Outer_Full

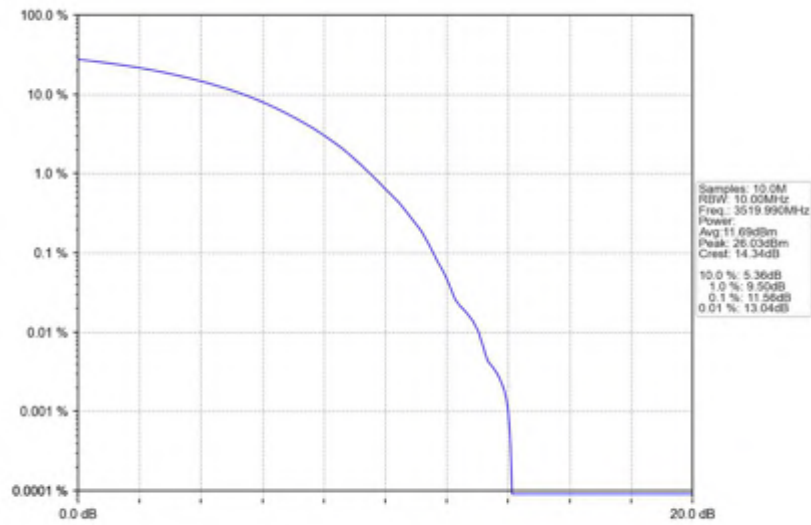




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full

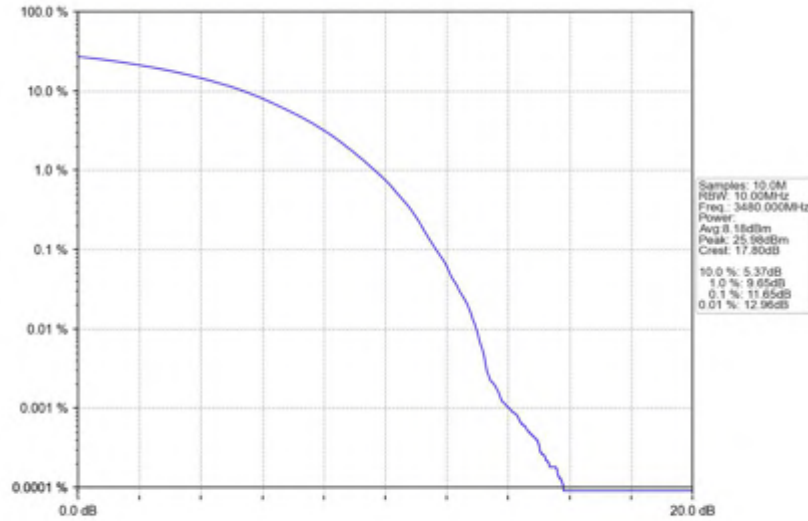


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3519.99MHz_Outer_Full

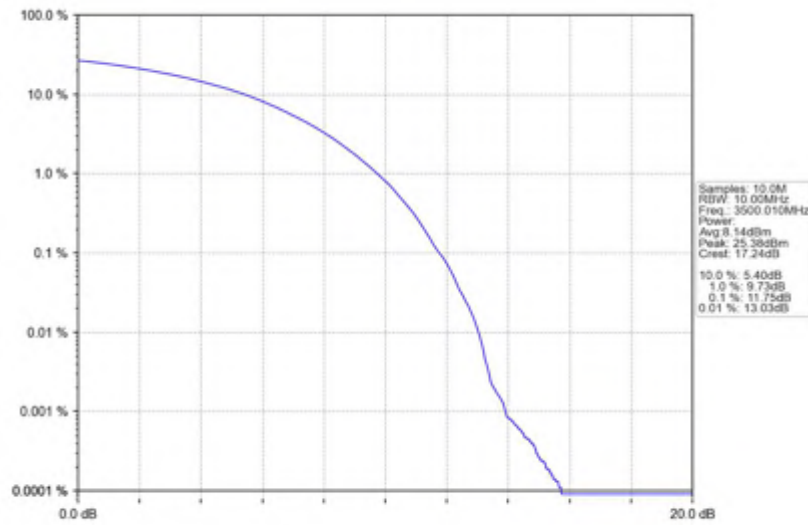




n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_256_QAM_3480MHz_Outer_Full

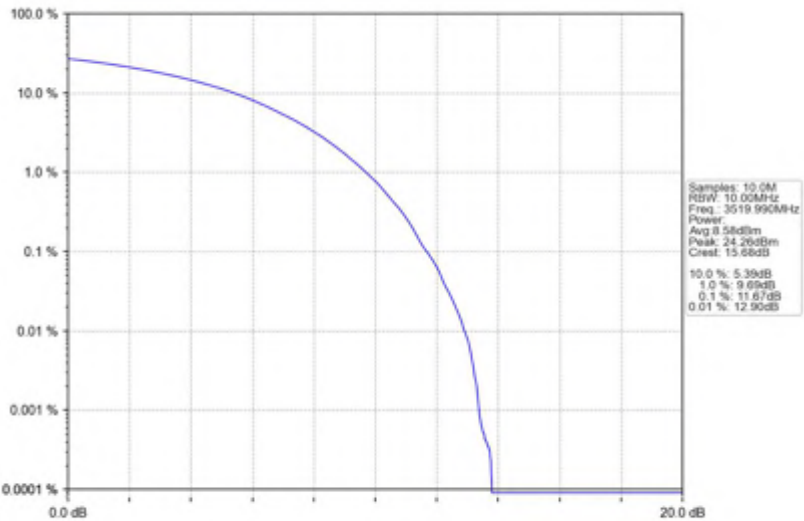


n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full





n78(3450-3550MHz) 30kHz SISO_NTNV_60MHz_CP-OFDM 256 QAM 3519.99MHz_Outer_Full





4.6 30k_SISO_70MHz_NTNV

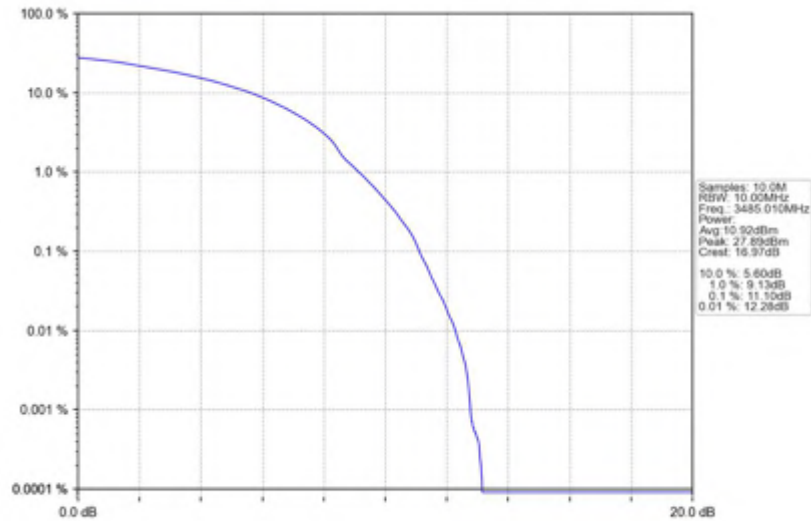
4.6.1 Test Result

5G NR n78(3450-3550MHz) 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	3485.01	Outer Full	11.10	/	/	<=13	Pass
	3500.01	Outer Full	10.47	/	/	<=13	Pass
	3514.98	Outer Full	10.56	/	/	<=13	Pass
DFT-s-OFDM QPSK	3485.01	Outer Full	11.15	/	/	<=13	Pass
	3500.01	Outer Full	11.36	/	/	<=13	Pass
	3514.98	Outer Full	11.24	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3485.01	Outer Full	11.45	/	/	<=13	Pass
	3500.01	Outer Full	11.46	/	/	<=13	Pass
	3514.98	Outer Full	11.45	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3485.01	Outer Full	11.21	/	/	<=13	Pass
	3500.01	Outer Full	11.21	/	/	<=13	Pass
	3514.98	Outer Full	11.05	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3485.01	Outer Full	11.11	/	/	<=13	Pass
	3500.01	Outer Full	11.13	/	/	<=13	Pass
	3514.98	Outer Full	12.55	/	/	<=13	Pass
CP-OFDM QPSK	3485.01	Outer Full	11.68	/	/	<=13	Pass
	3500.01	Outer Full	11.90	/	/	<=13	Pass
	3514.98	Outer Full	11.94	/	/	<=13	Pass
CP-OFDM 16 QAM	3485.01	Outer Full	11.86	/	/	<=13	Pass
	3500.01	Outer Full	11.97	/	/	<=13	Pass
	3514.98	Outer Full	11.51	/	/	<=13	Pass
CP-OFDM 64 QAM	3485.01	Outer Full	11.33	/	/	<=13	Pass
	3500.01	Outer Full	11.88	/	/	<=13	Pass
	3514.98	Outer Full	11.73	/	/	<=13	Pass
CP-OFDM 256 QAM	3485.01	Outer Full	12.03	/	/	<=13	Pass
	3500.01	Outer Full	11.90	/	/	<=13	Pass
	3514.98	Outer Full	11.82	/	/	<=13	Pass

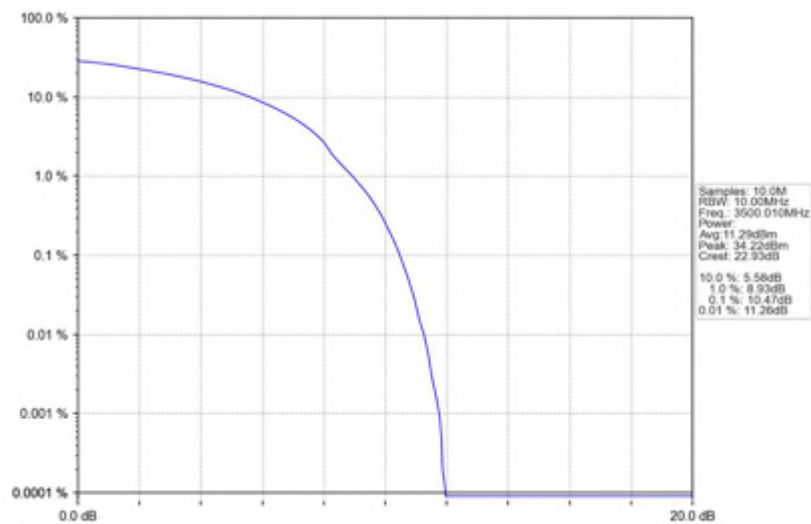


4.6.2 Test Graph

n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3485.01MHz_Outer_Full

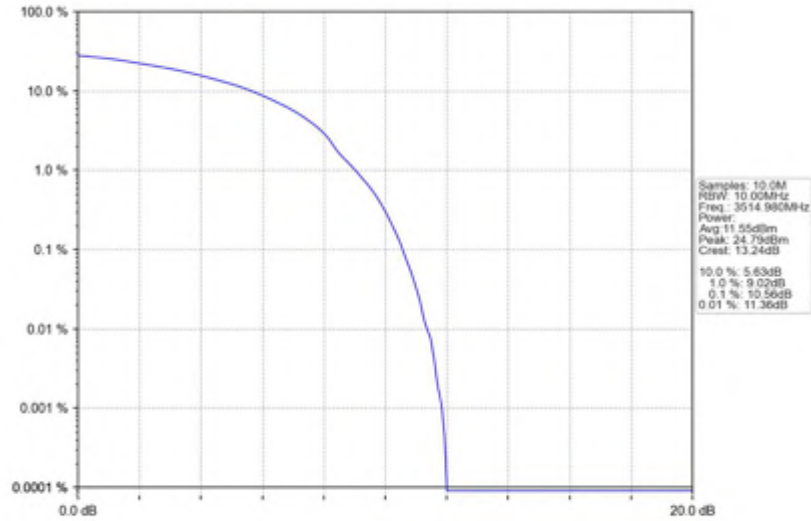


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full

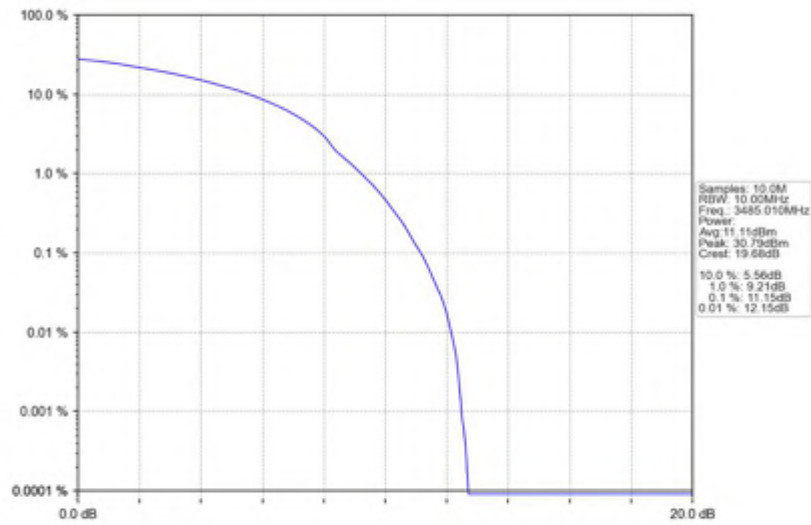




n78(3450-3550MHz) 30kHz SISO NTN 70MHz DFT-s-OFDM PI/2 BPSK 3514.98MHz Outer Full

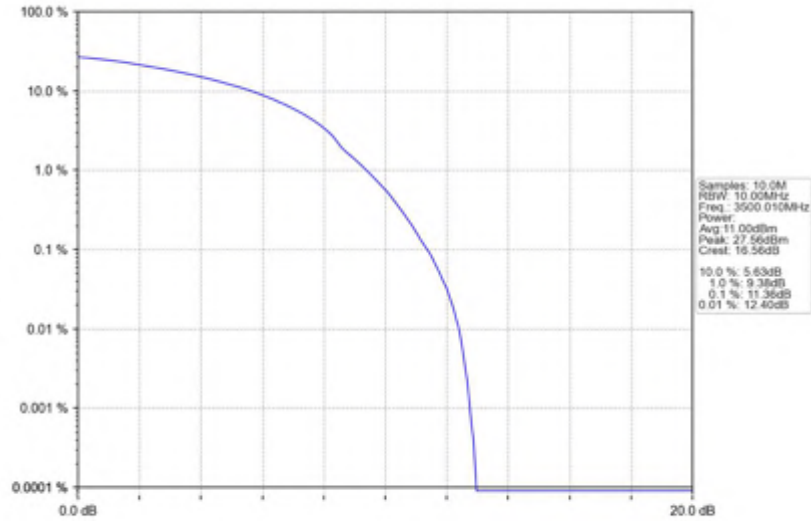


n78(3450-3550MHz) 30kHz SISO NTN 70MHz DFT-s-OFDM QPSK 3485.01MHz Outer Full

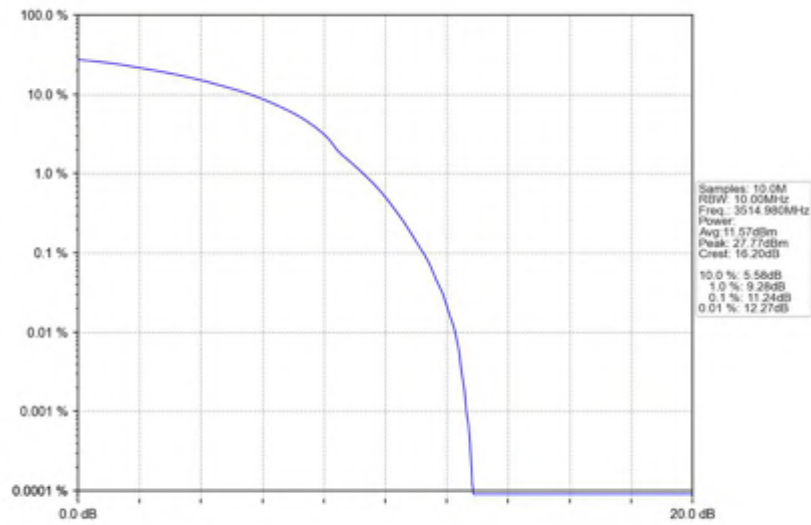




n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

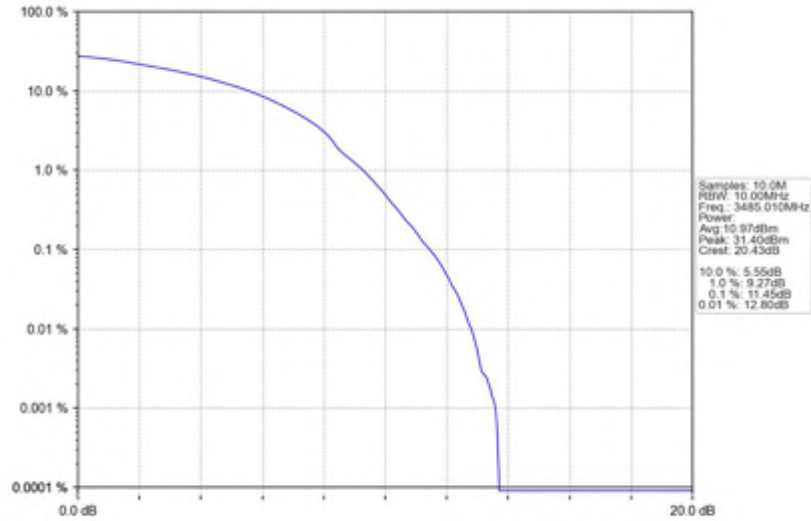


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_QPSK_3514.98MHz_Outer_Full

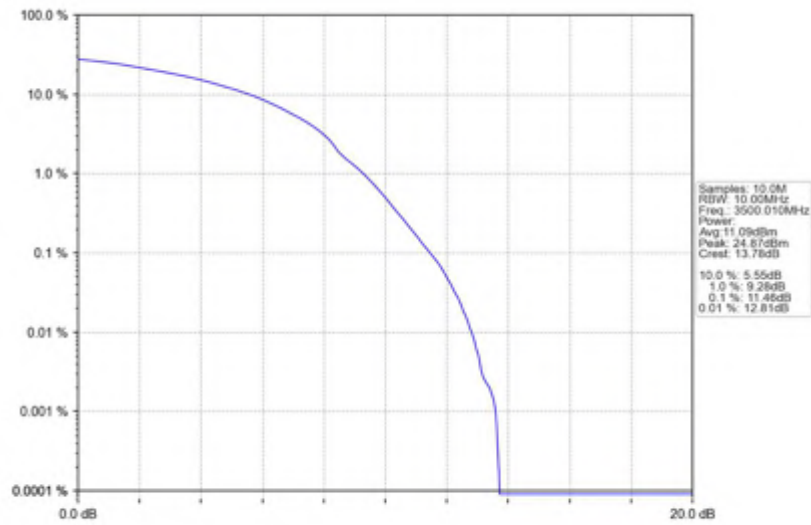




n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_16_QAM_3485.01MHz_Outer_Full

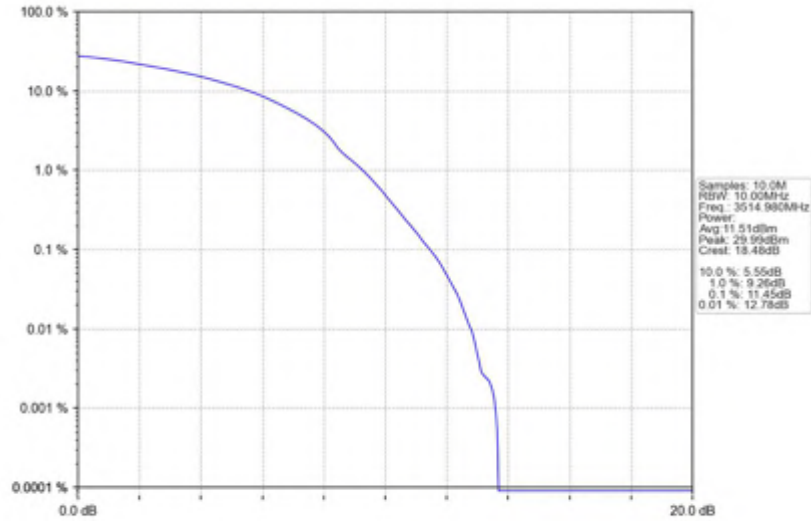


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full

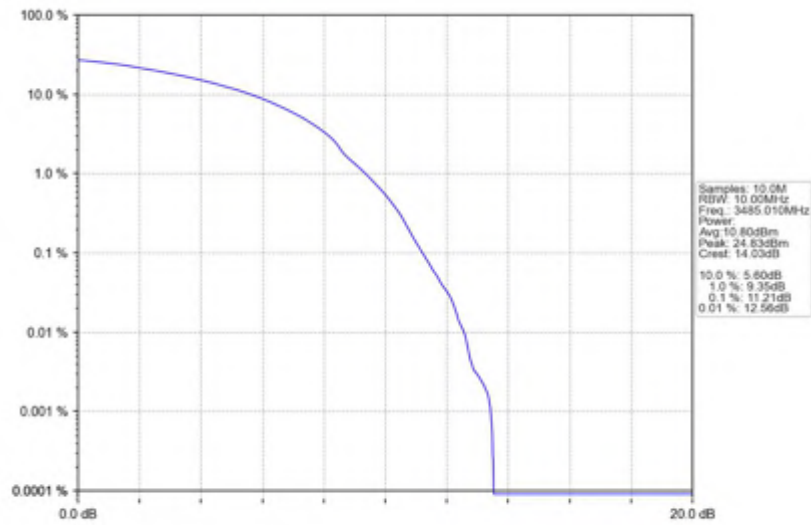




n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_16_QAM_3514.98MHz_Outer_Full

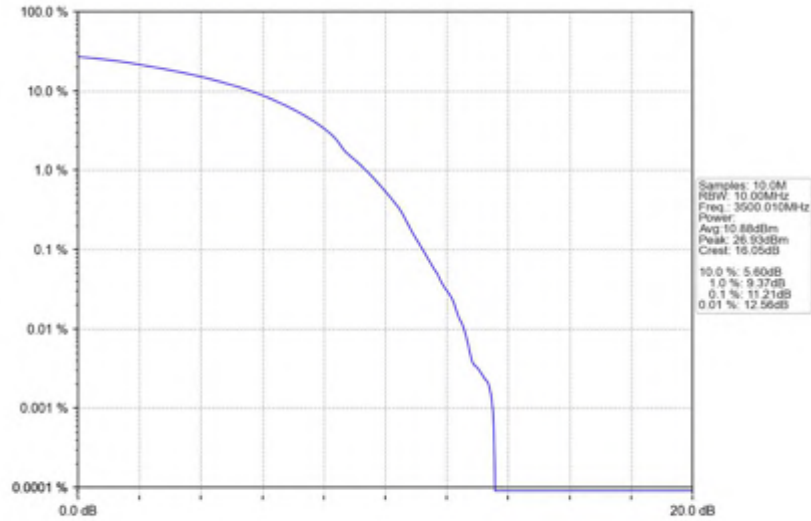


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_64_QAM_3485.01MHz_Outer_Full

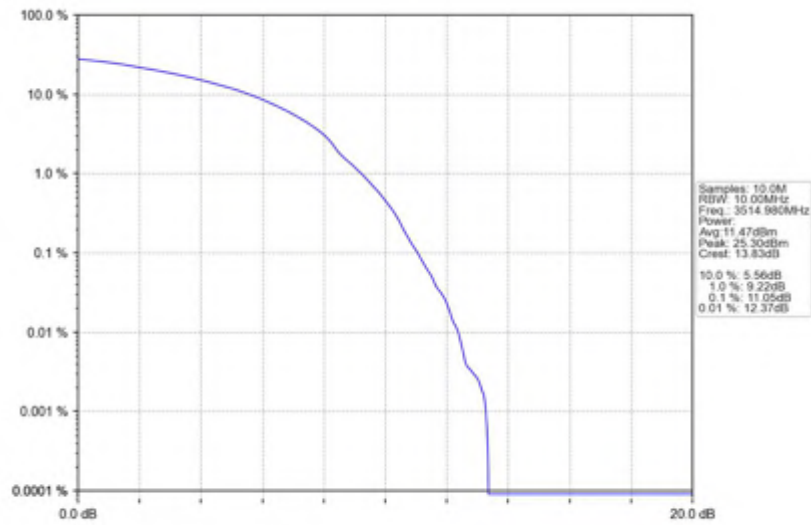




n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full

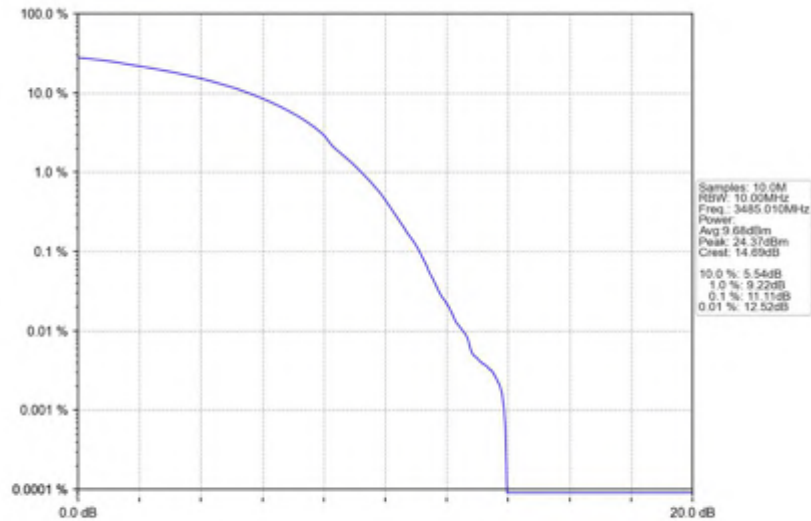


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_64_QAM_3514.98MHz_Outer_Full

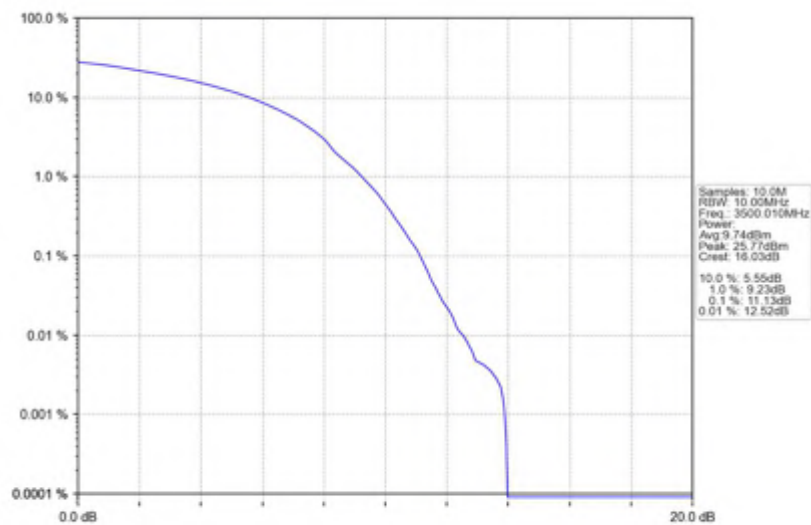




n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_256_QAM_3485.01MHz_Outer_Full

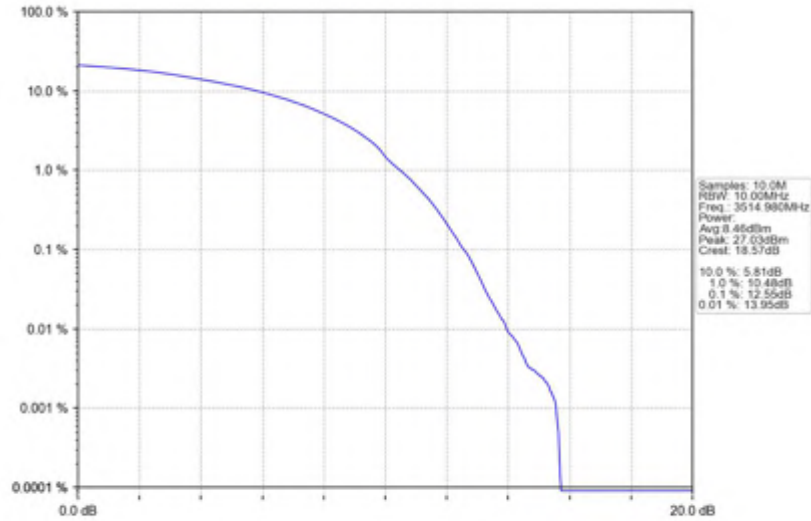


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full

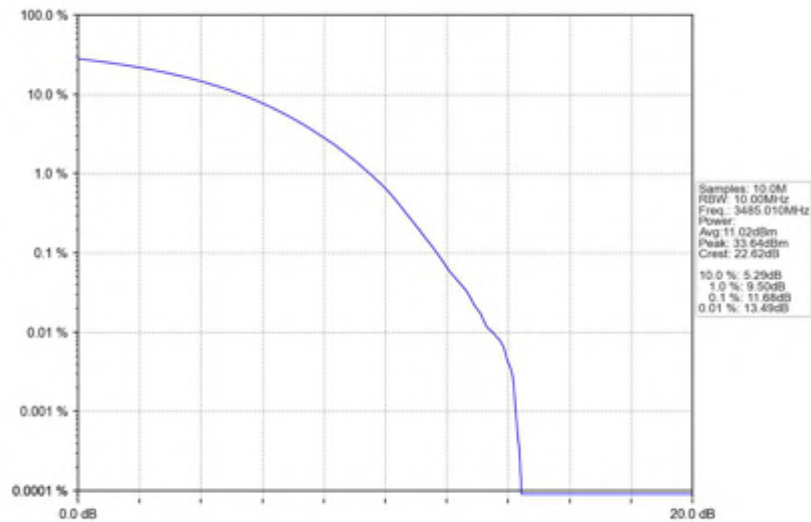




n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_256_QAM_3514.98MHz_Outer_Full

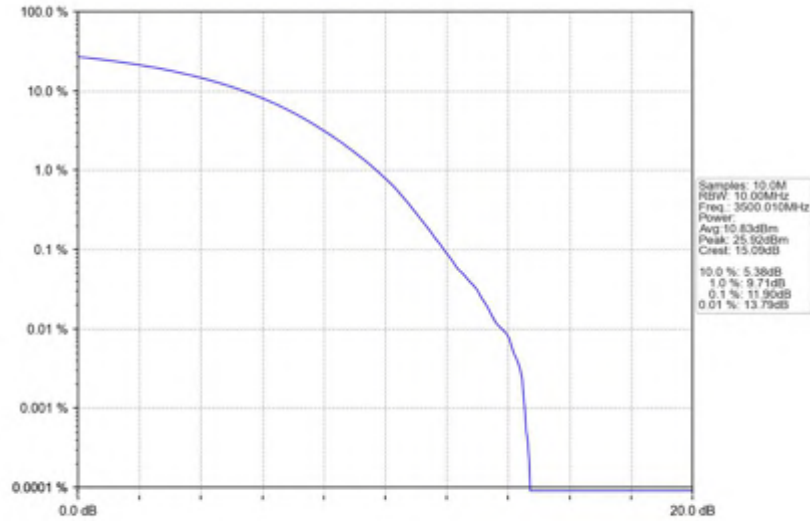


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_QPSK_3485.01MHz_Outer_Full

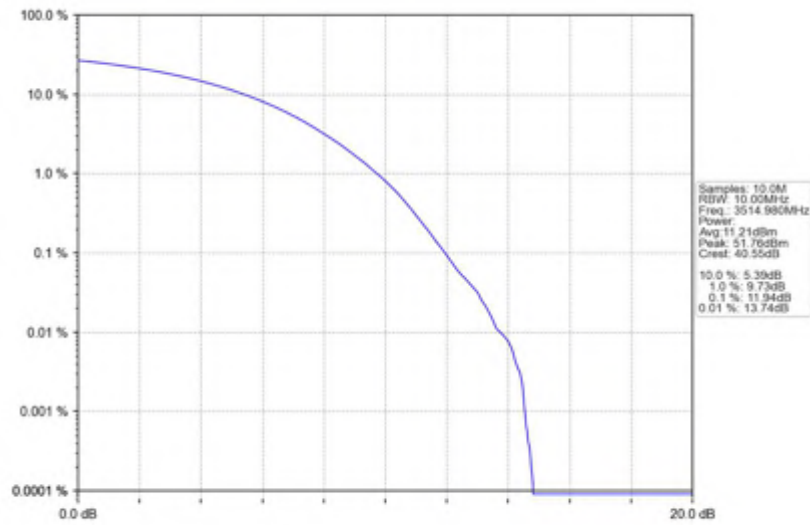




n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full

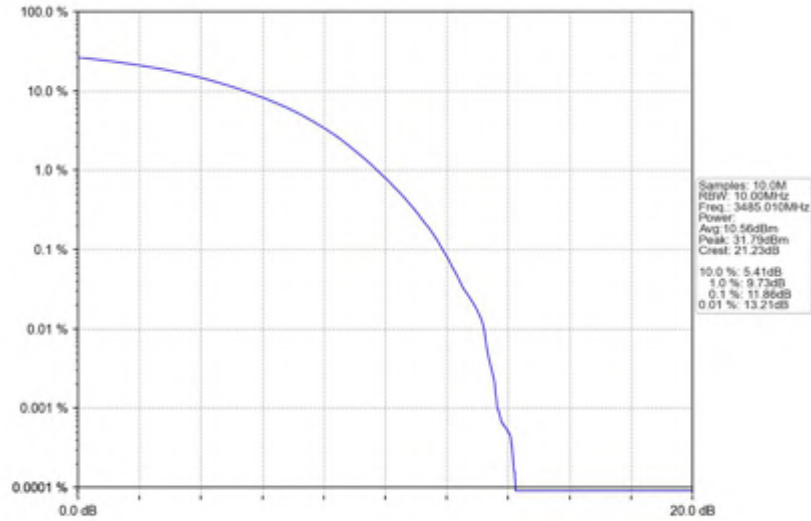


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_QPSK_3514.98MHz_Outer_Full

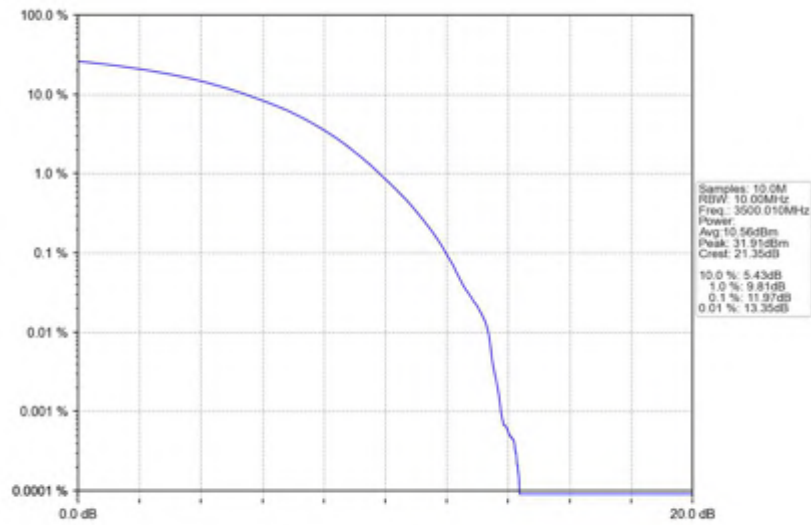




n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_16_QAM_3485.01MHz_Outer_Full

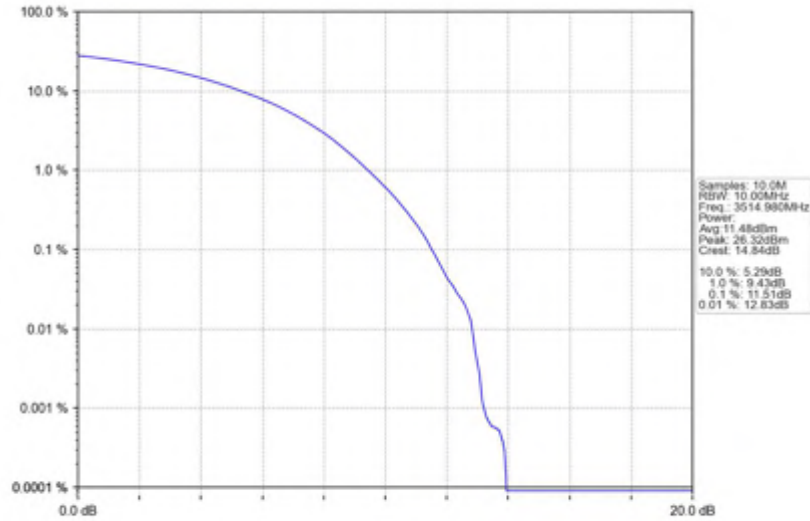


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full

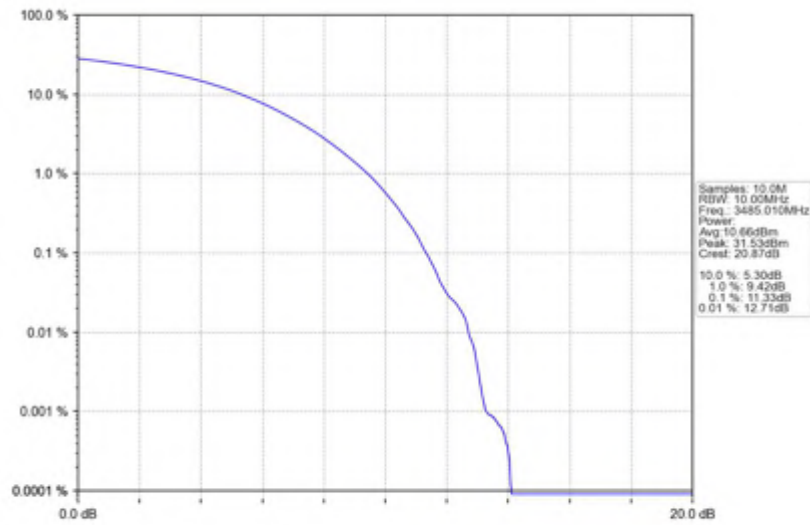




n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3514.98MHz_Outer_Full

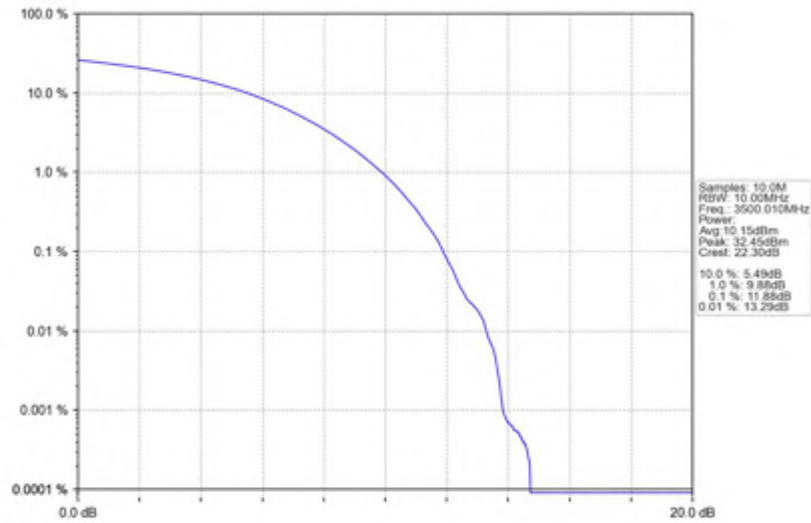


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3485.01MHz_Outer_Full

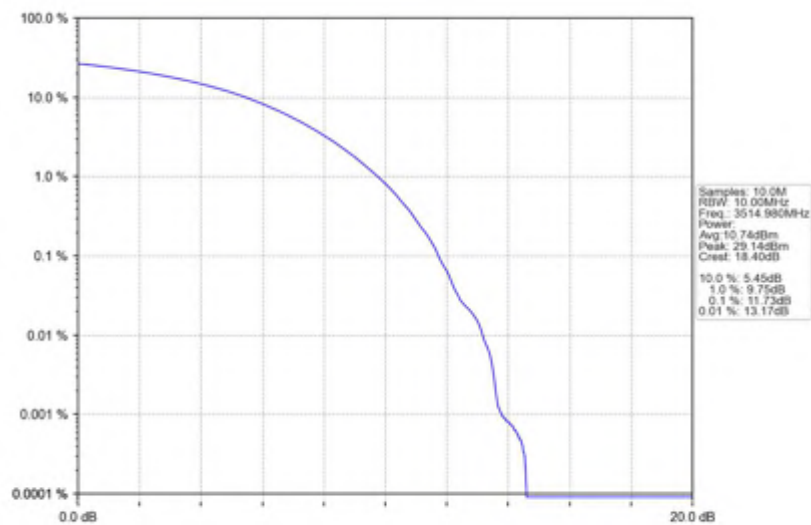




n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full

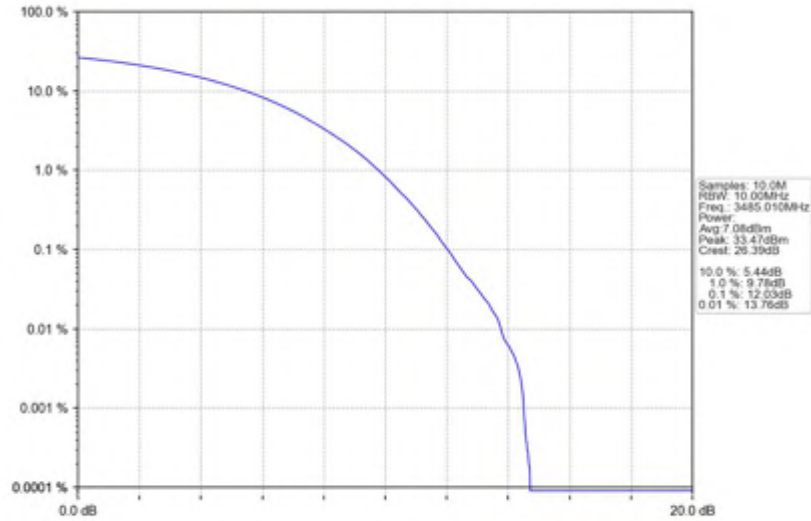


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3514.98MHz_Outer_Full

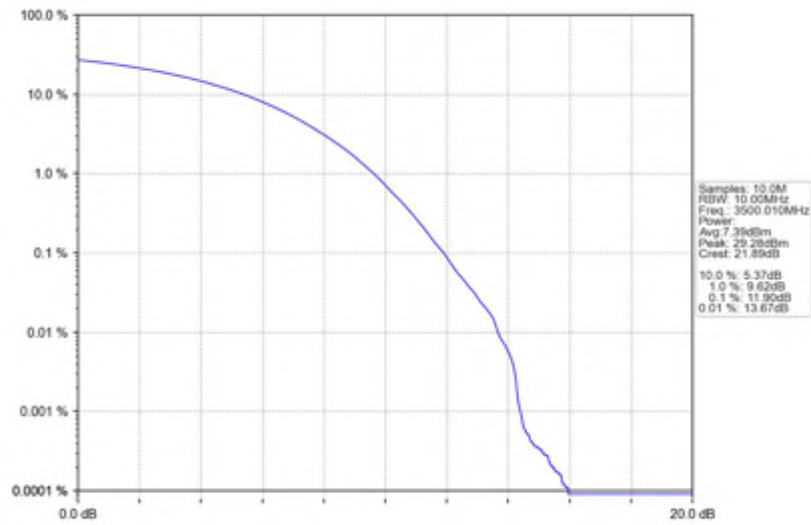




n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_256_QAM_3485.01MHz_Outer_Full

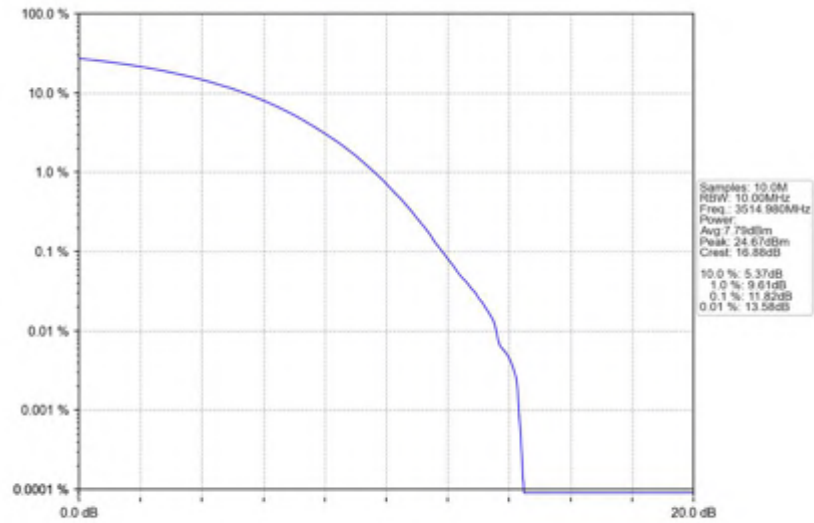


n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full





n78(3450-3550MHz) 30kHz SISO_NTNV_70MHz_CP-OFDM 256 QAM 3514.98MHz_Outer_Full

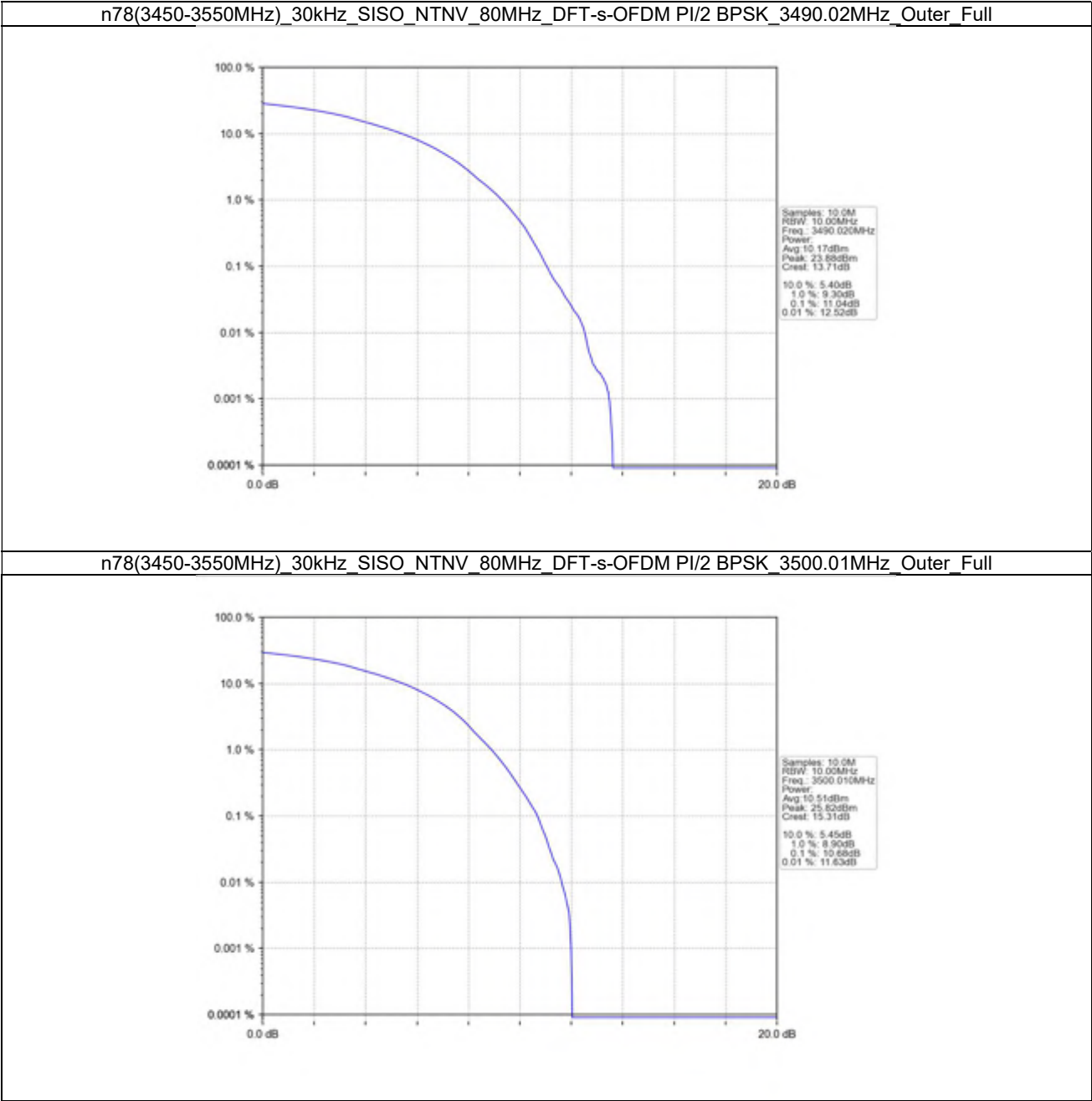


**4.7 30k_SISO_80MHz_NTNV****4.7.1 Test Result**

5G NR n78(3450-3550MHz) 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	3490.02	Outer Full	11.04	/	/	<=13	Pass
	3500.01	Outer Full	10.68	/	/	<=13	Pass
	3510	Outer Full	10.88	/	/	<=13	Pass
DFT-s-OFDM QPSK	3490.02	Outer Full	11.07	/	/	<=13	Pass
	3500.01	Outer Full	11.17	/	/	<=13	Pass
	3510	Outer Full	11.19	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3490.02	Outer Full	11.10	/	/	<=13	Pass
	3500.01	Outer Full	11.10	/	/	<=13	Pass
	3510	Outer Full	11.45	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3490.02	Outer Full	11.30	/	/	<=13	Pass
	3500.01	Outer Full	11.31	/	/	<=13	Pass
	3510	Outer Full	11.28	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3490.02	Outer Full	11.26	/	/	<=13	Pass
	3500.01	Outer Full	11.35	/	/	<=13	Pass
	3510	Outer Full	11.25	/	/	<=13	Pass
CP-OFDM QPSK	3490.02	Outer Full	11.66	/	/	<=13	Pass
	3500.01	Outer Full	11.60	/	/	<=13	Pass
	3510	Outer Full	11.74	/	/	<=13	Pass
CP-OFDM 16 QAM	3490.02	Outer Full	11.71	/	/	<=13	Pass
	3500.01	Outer Full	11.84	/	/	<=13	Pass
	3510	Outer Full	11.79	/	/	<=13	Pass
CP-OFDM 64 QAM	3490.02	Outer Full	11.51	/	/	<=13	Pass
	3500.01	Outer Full	11.94	/	/	<=13	Pass
	3510	Outer Full	11.53	/	/	<=13	Pass
CP-OFDM 256 QAM	3490.02	Outer Full	11.81	/	/	<=13	Pass
	3500.01	Outer Full	11.76	/	/	<=13	Pass
	3510	Outer Full	11.71	/	/	<=13	Pass

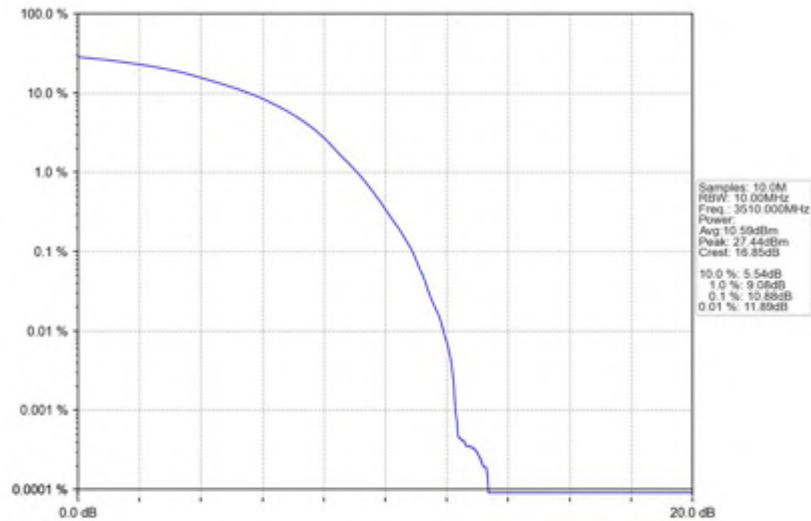


4.7.2 Test Graph

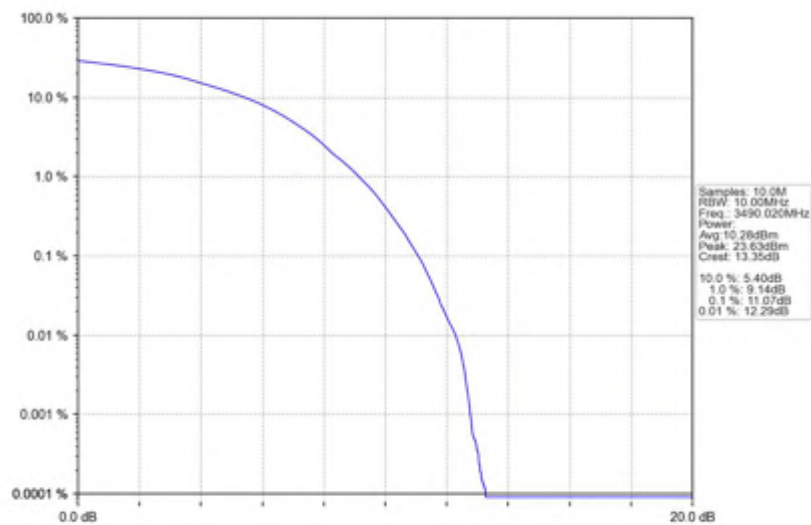




n78(3450-3550MHz) 30kHz SISO NTN 80MHz DFT-s-OFDM PI/2 BPSK 3510MHz Outer Full

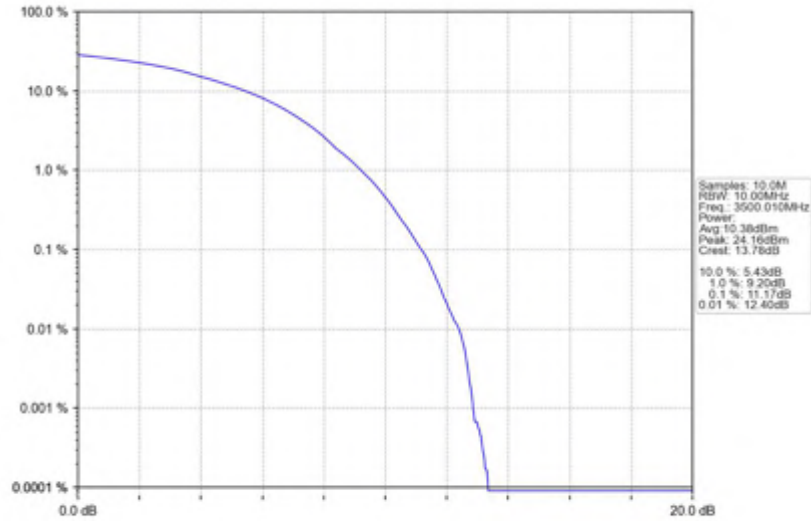


n78(3450-3550MHz) 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3490.02MHz Outer Full

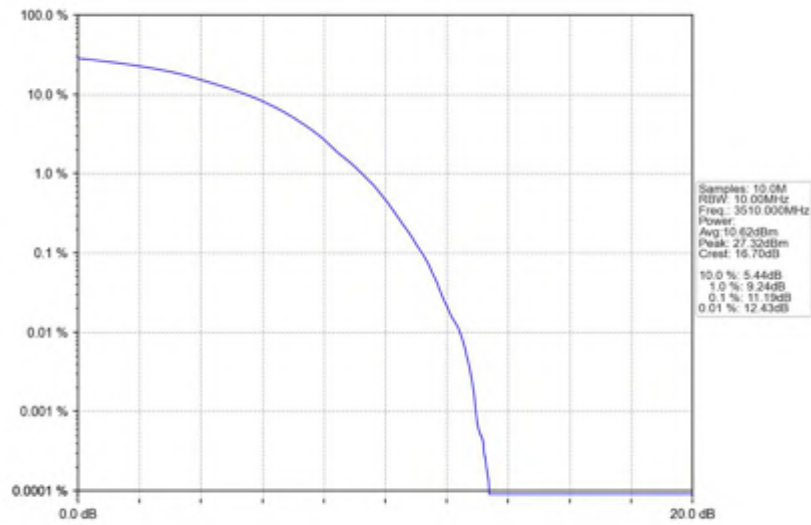




n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

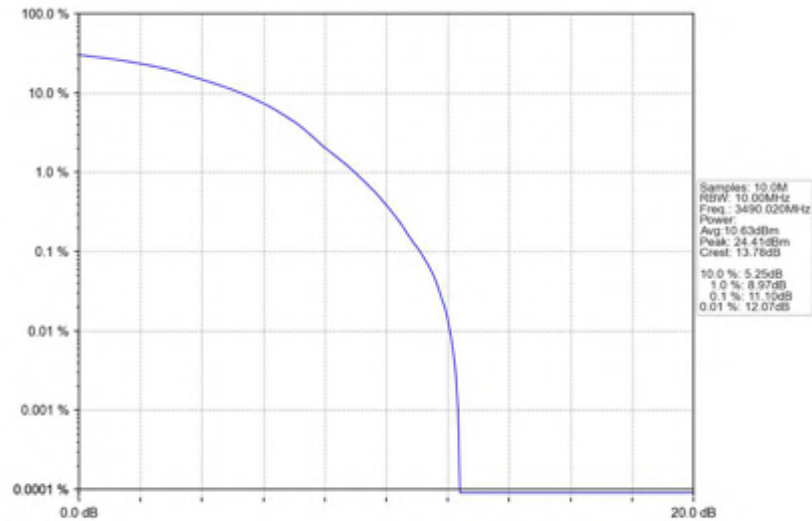


n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3510MHz_Outer_Full

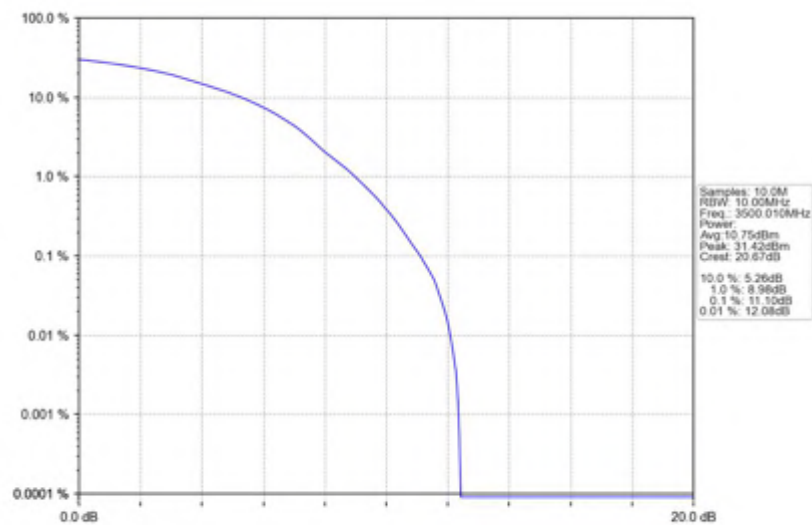




n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_16_QAM_3490.02MHz_Outer_Full

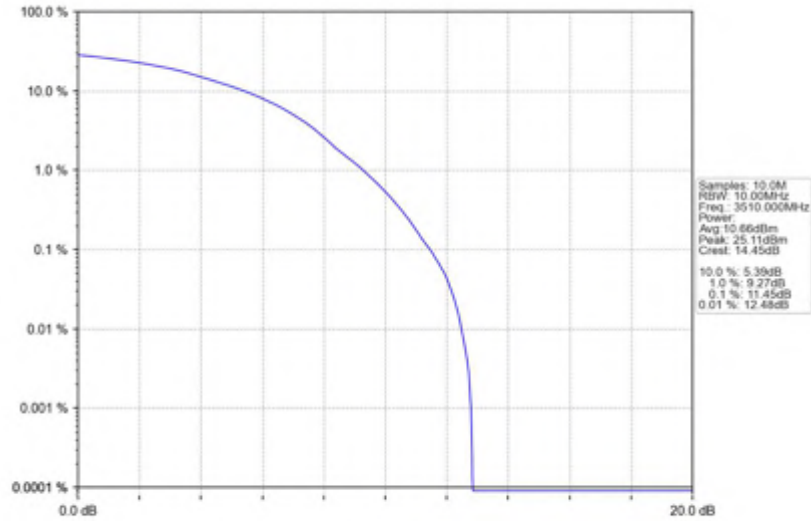


n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full

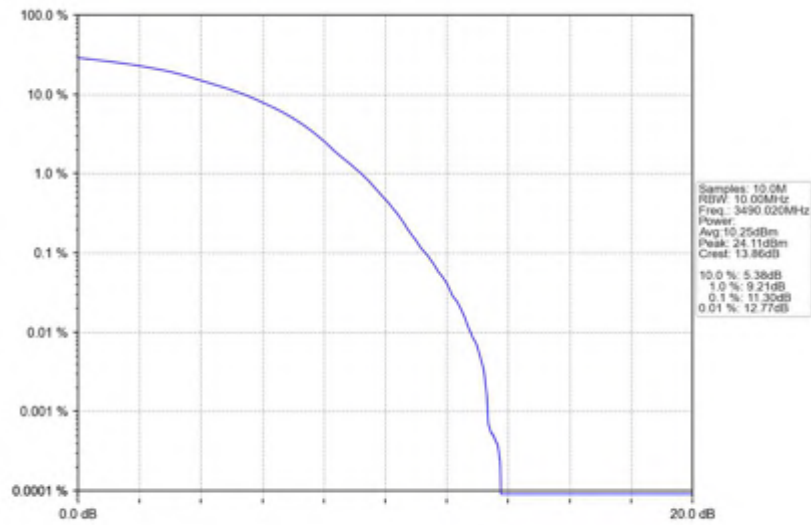




n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_16_QAM_3510MHz_Outer_Full

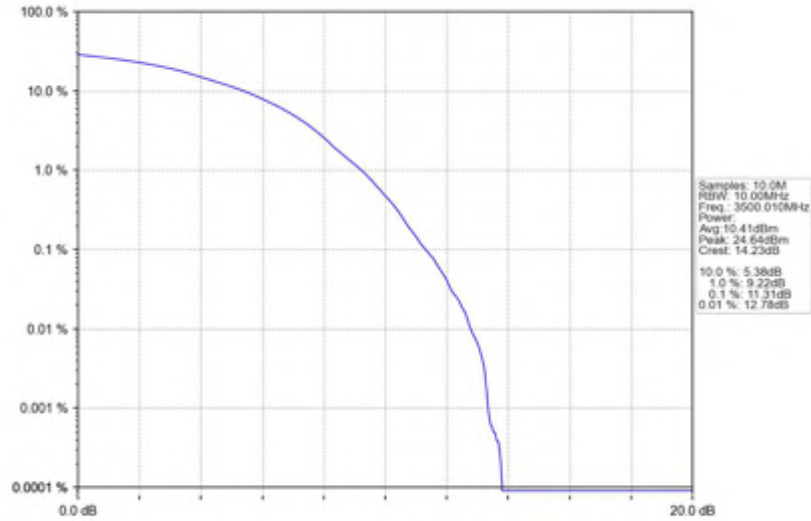


n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_64_QAM_3490.02MHz_Outer_Full

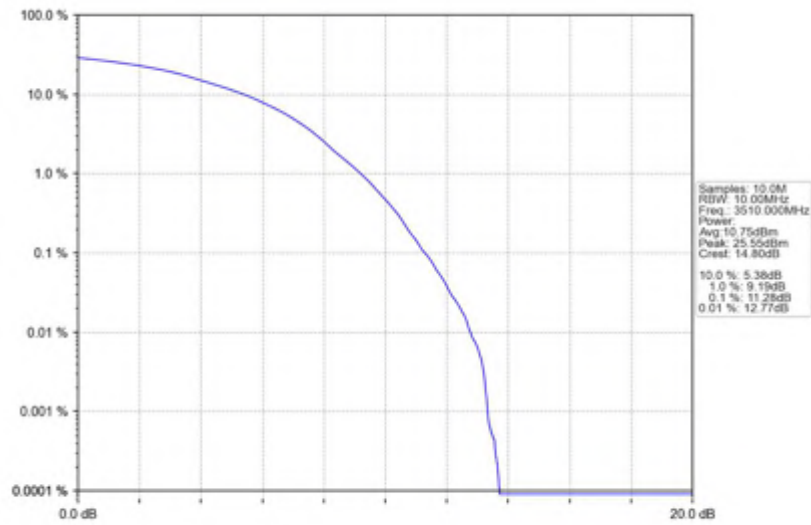




n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full

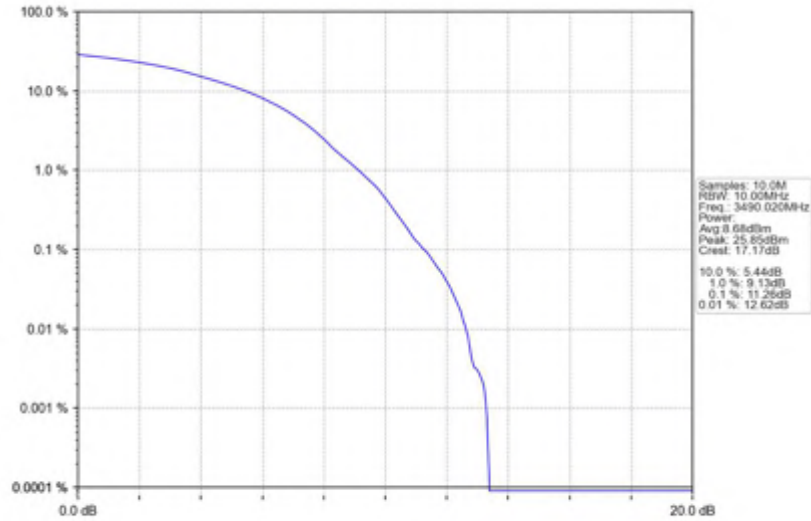


n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_64_QAM_3510MHz_Outer_Full

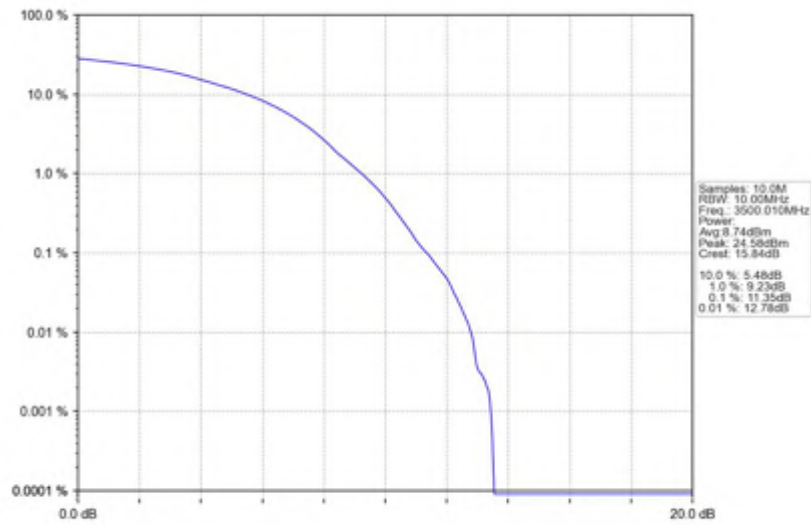




n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_3490.02MHz_Outer_Full

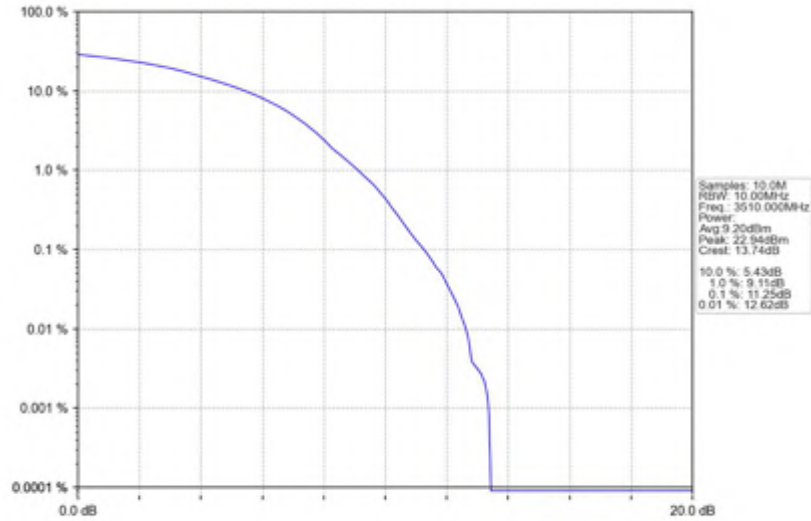


n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full

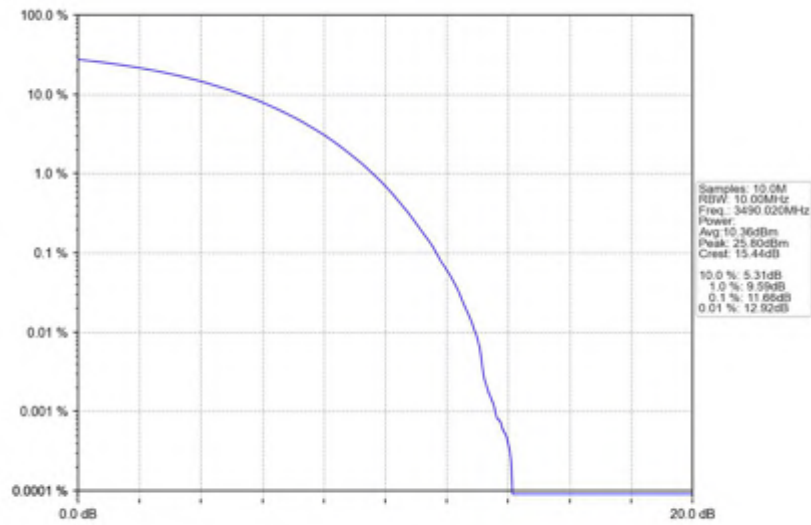




n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_3510MHz_Outer_Full

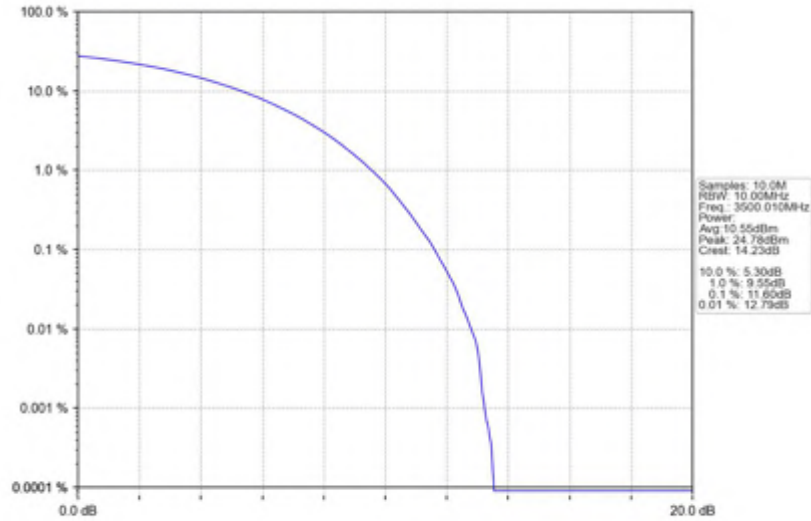


n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3490.02MHz_Outer_Full

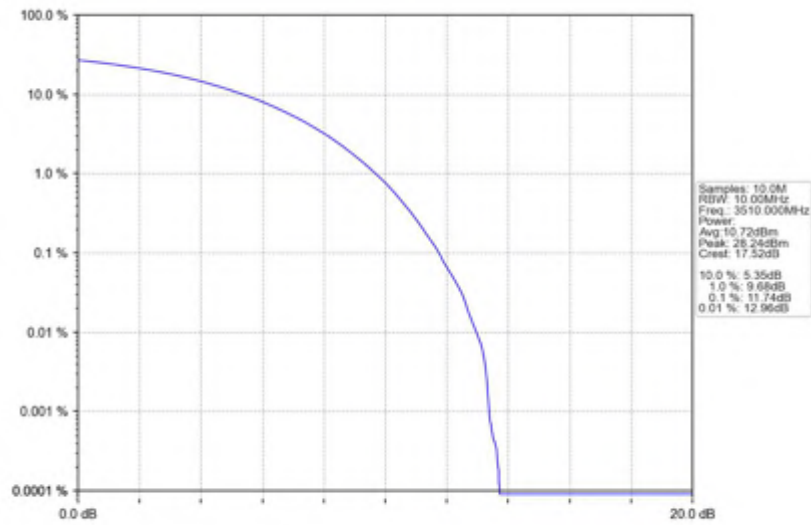




n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full

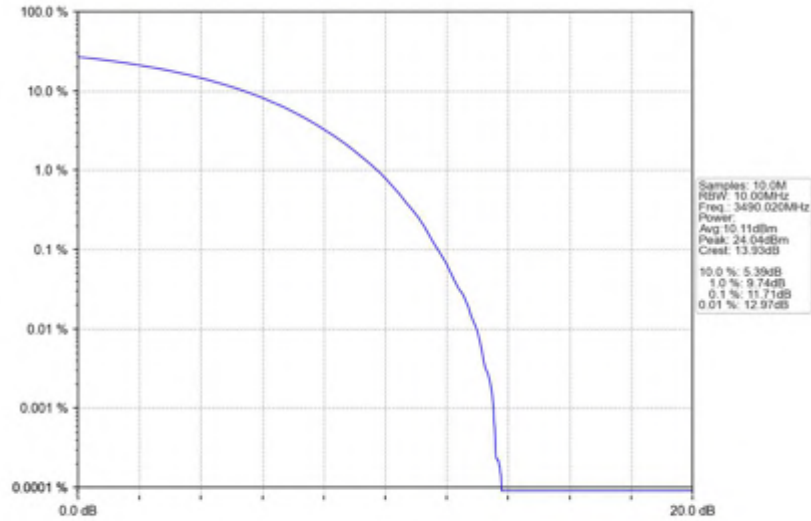


n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3510MHz_Outer_Full

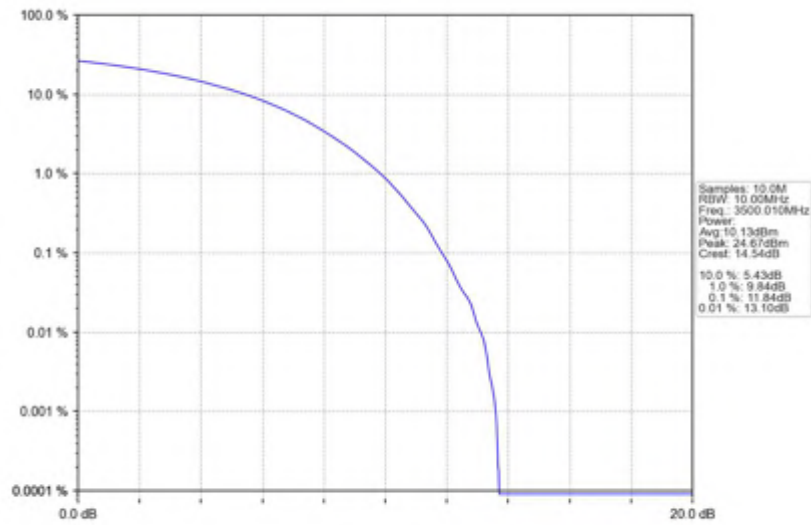




n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_16_QAM_3490.02MHz_Outer_Full

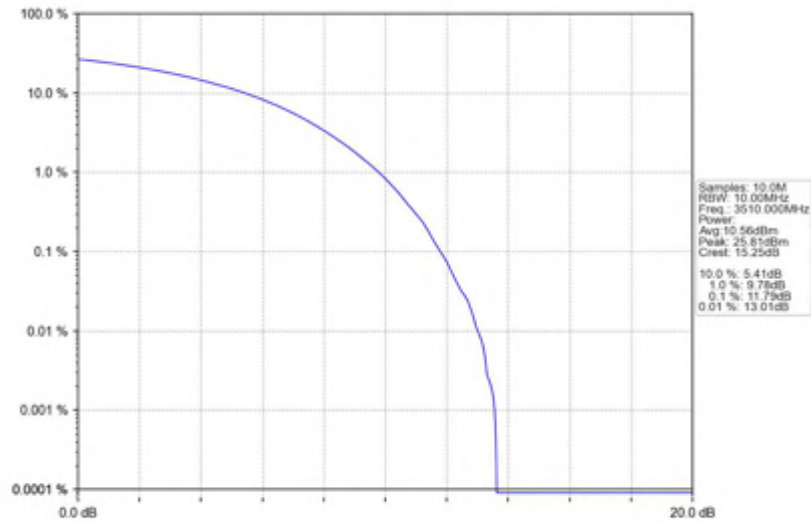


n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full

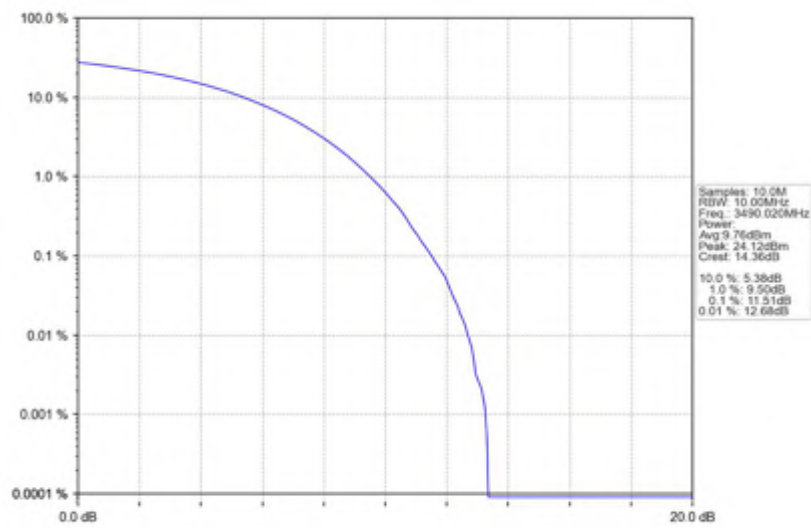




n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM 16 QAM_3510MHz_Outer_Full

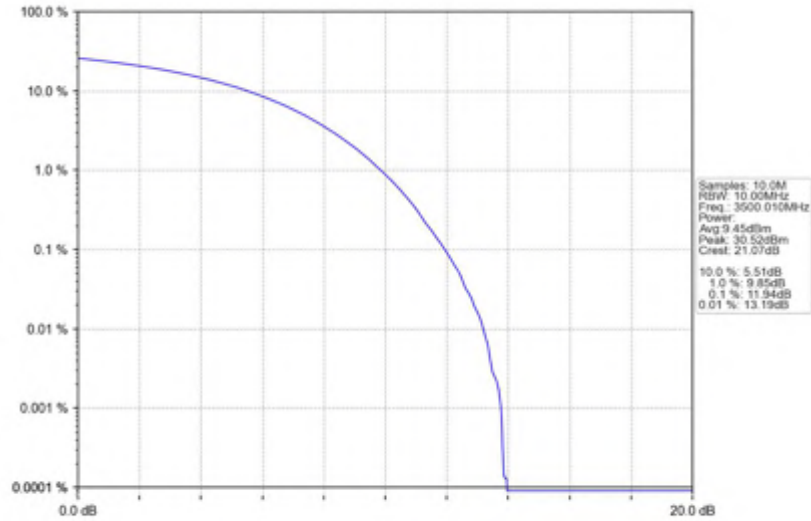


n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM_3490.02MHz_Outer_Full

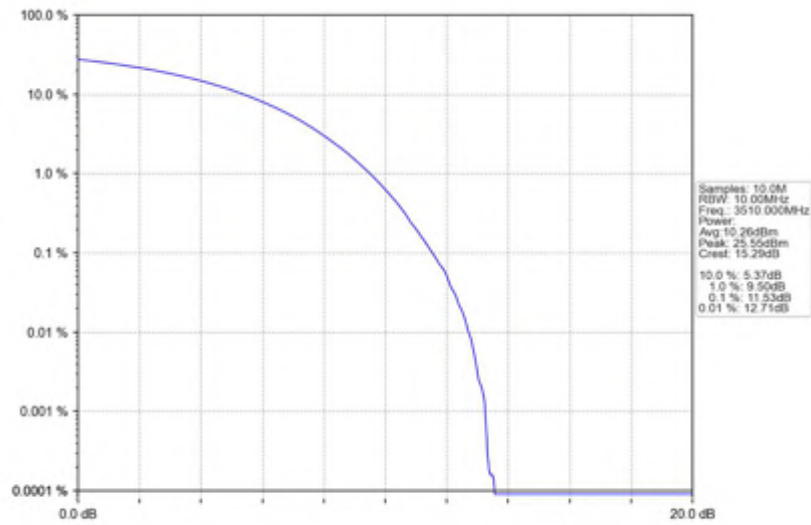




n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full

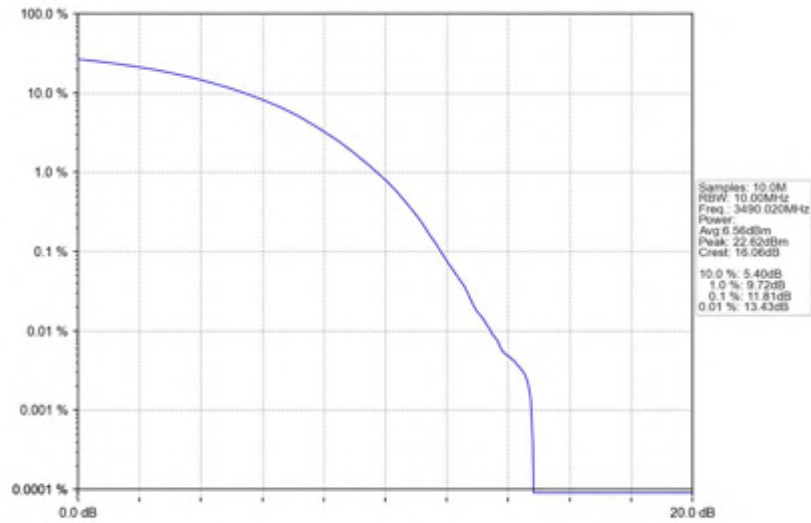


n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_64_QAM_3510MHz_Outer_Full

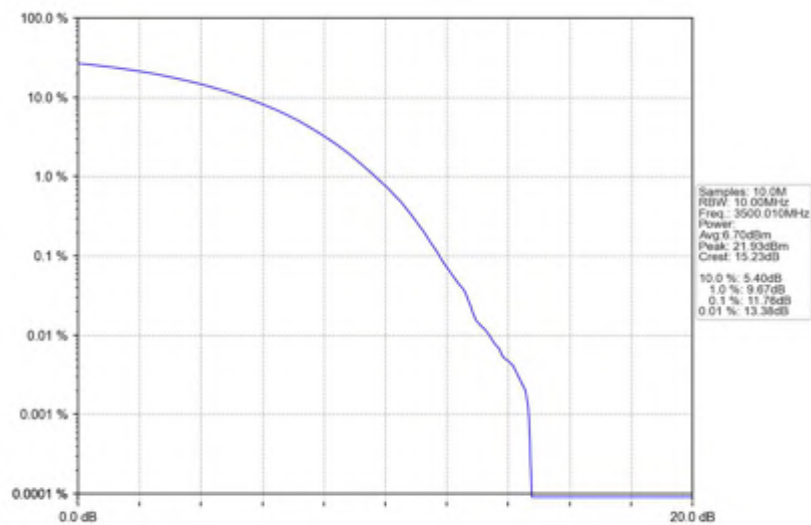




n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3490.02MHz_Outer_Full

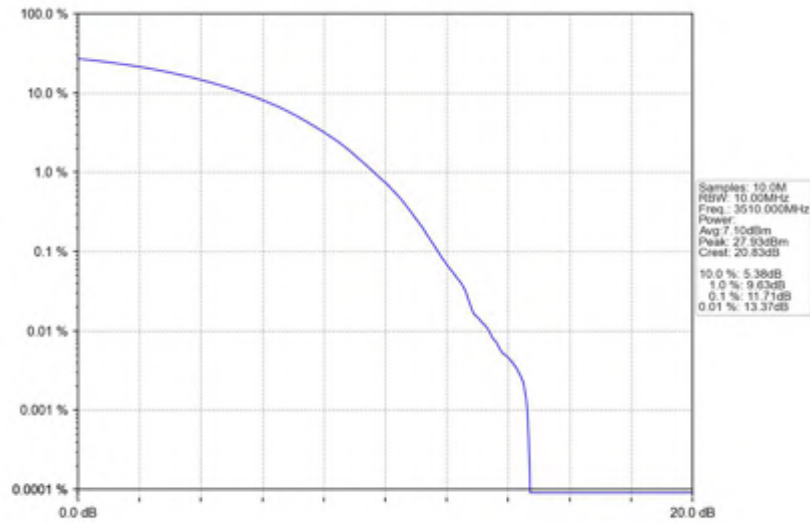


n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full





n78(3450-3550MHz) 30kHz SISO NTN 80MHz CP-OFDM 256 QAM 3510MHz Outer Full





4.8 30k_SISO_90MHz_NTNV

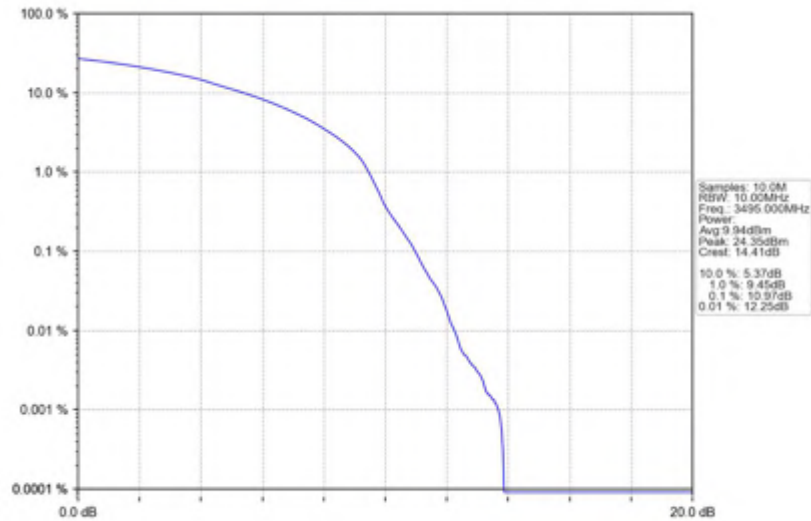
4.8.1 Test Result

5G NR n78(3450-3550MHz) SCS=30kHz SISO 90MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3495	Outer Full	10.97	/	/	<=13	Pass
	3500.01	Outer Full	11.13	/	/	<=13	Pass
	3504.99	Outer Full	10.74	/	/	<=13	Pass
DFT-s-OFDM QPSK	3495	Outer Full	11.06	/	/	<=13	Pass
	3500.01	Outer Full	11.00	/	/	<=13	Pass
	3504.99	Outer Full	10.92	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3495	Outer Full	11.44	/	/	<=13	Pass
	3500.01	Outer Full	11.42	/	/	<=13	Pass
	3504.99	Outer Full	11.57	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3495	Outer Full	11.46	/	/	<=13	Pass
	3500.01	Outer Full	11.30	/	/	<=13	Pass
	3504.99	Outer Full	11.39	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3495	Outer Full	11.28	/	/	<=13	Pass
	3500.01	Outer Full	11.16	/	/	<=13	Pass
	3504.99	Outer Full	11.10	/	/	<=13	Pass
CP-OFDM QPSK	3495	Outer Full	11.67	/	/	<=13	Pass
	3500.01	Outer Full	11.84	/	/	<=13	Pass
	3504.99	Outer Full	11.66	/	/	<=13	Pass
CP-OFDM 16 QAM	3495	Outer Full	11.85	/	/	<=13	Pass
	3500.01	Outer Full	11.72	/	/	<=13	Pass
	3504.99	Outer Full	12.05	/	/	<=13	Pass
CP-OFDM 64 QAM	3495	Outer Full	11.91	/	/	<=13	Pass
	3500.01	Outer Full	12.15	/	/	<=13	Pass
	3504.99	Outer Full	11.82	/	/	<=13	Pass
CP-OFDM 256 QAM	3495	Outer Full	11.45	/	/	<=13	Pass
	3500.01	Outer Full	11.50	/	/	<=13	Pass
	3504.99	Outer Full	11.59	/	/	<=13	Pass

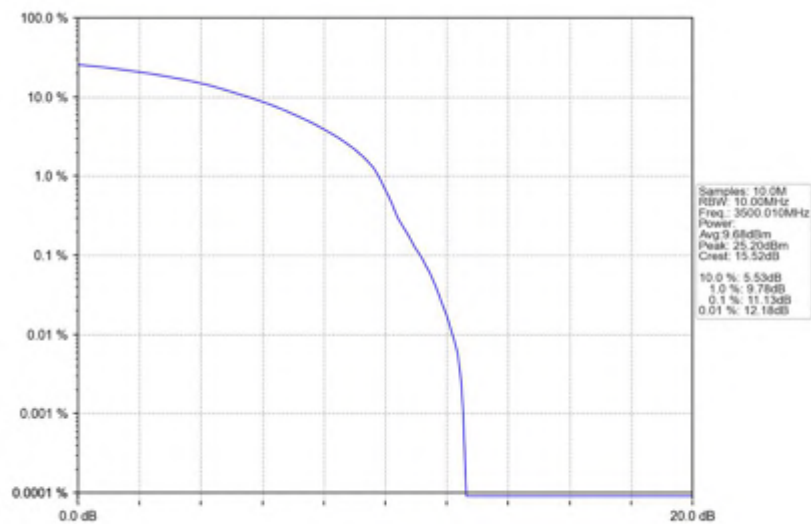


4.8.2 Test Graph

n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3495MHz_Outer_Full

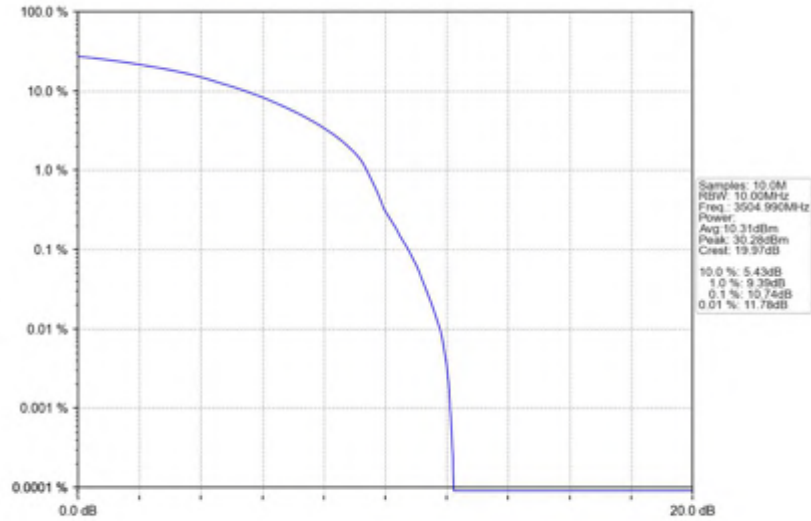


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full

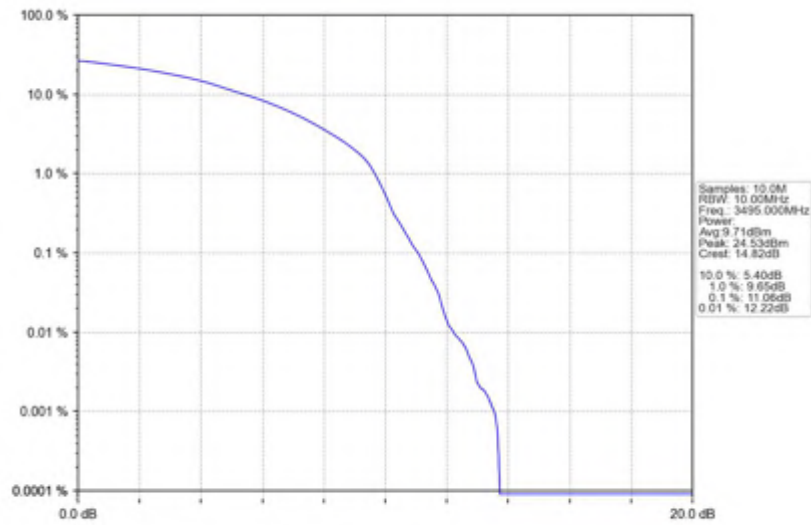




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_PI/2_BPSK_3504.99MHz_Outer_Full

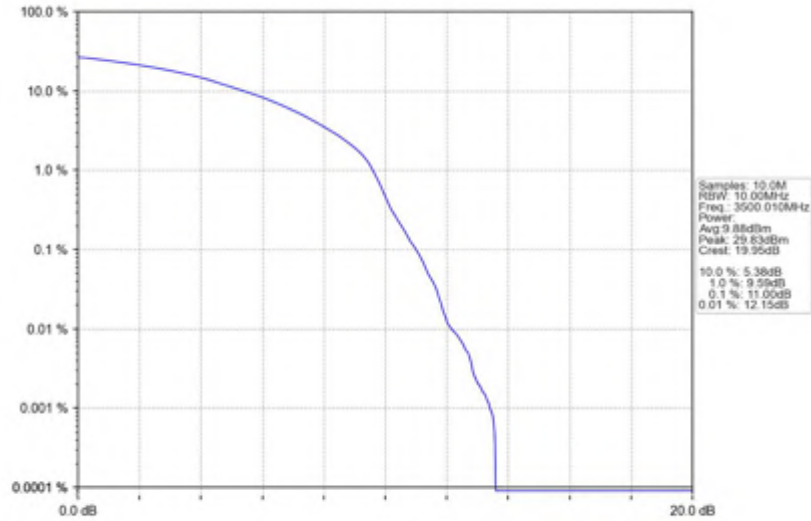


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_QPSK_3495MHz_Outer_Full

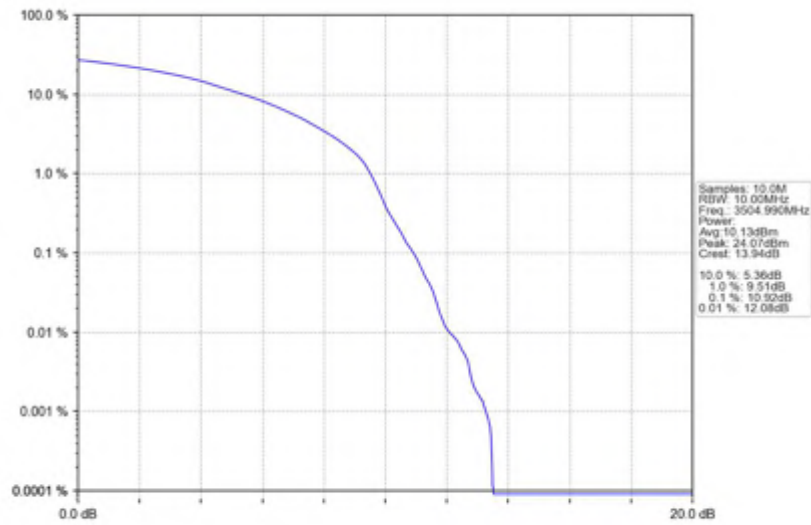




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

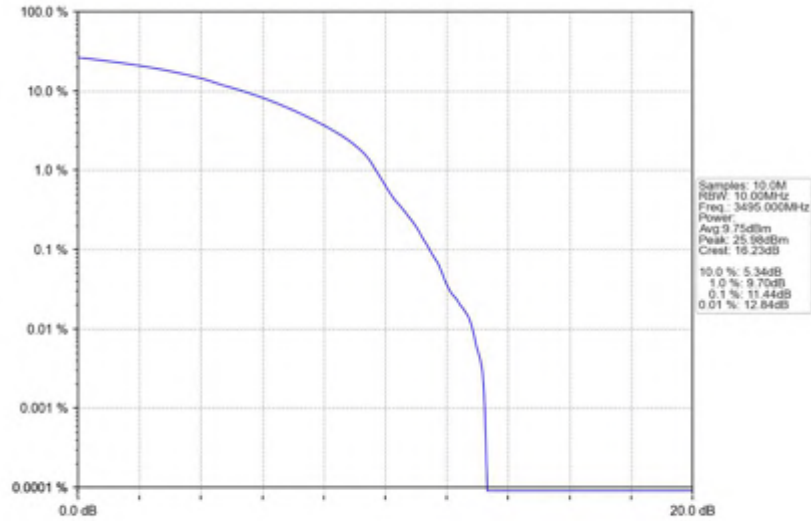


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_QPSK_3504.99MHz_Outer_Full

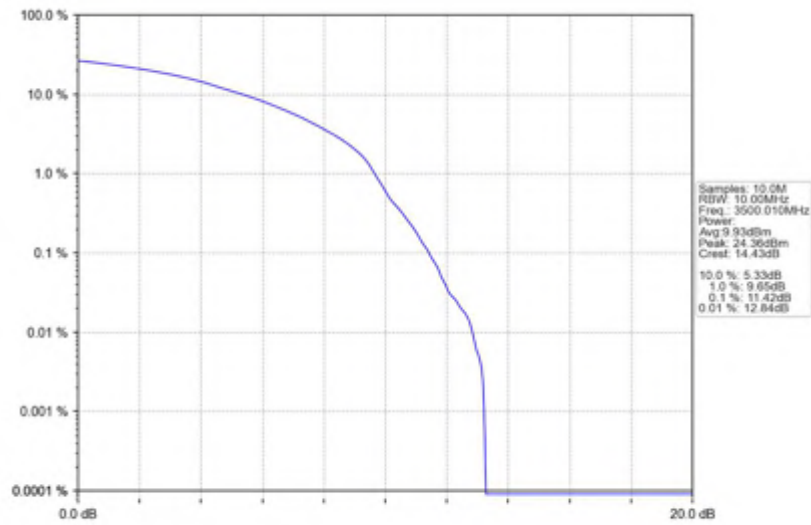




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3495MHz_Outer_Full

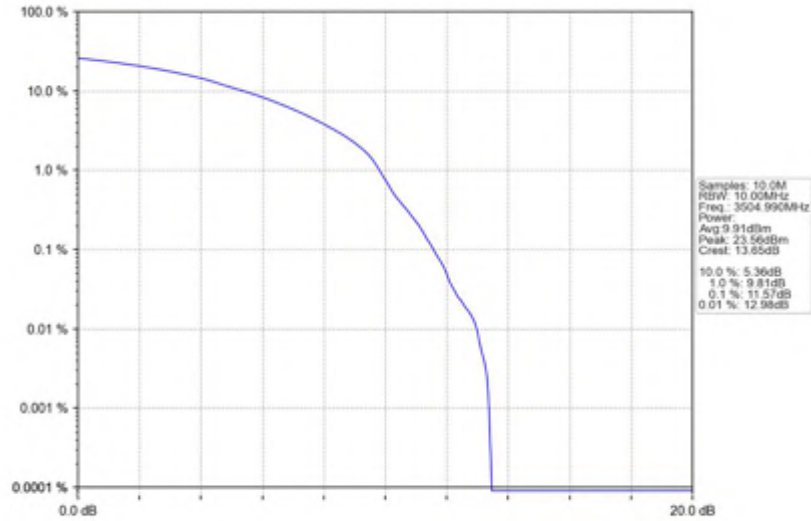


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full

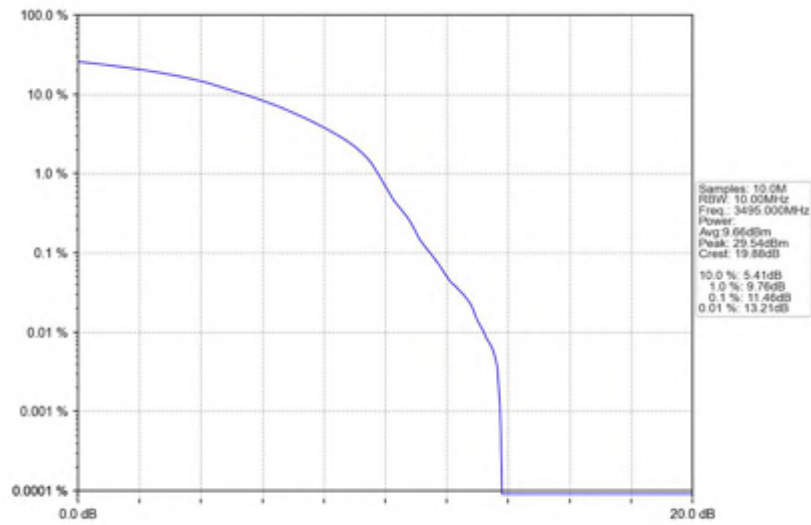




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3504.99MHz_Outer_Full

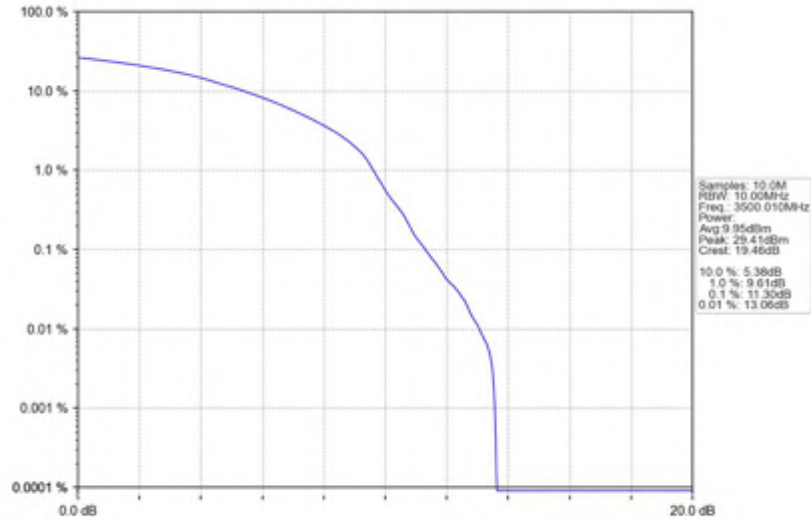


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3495MHz_Outer_Full

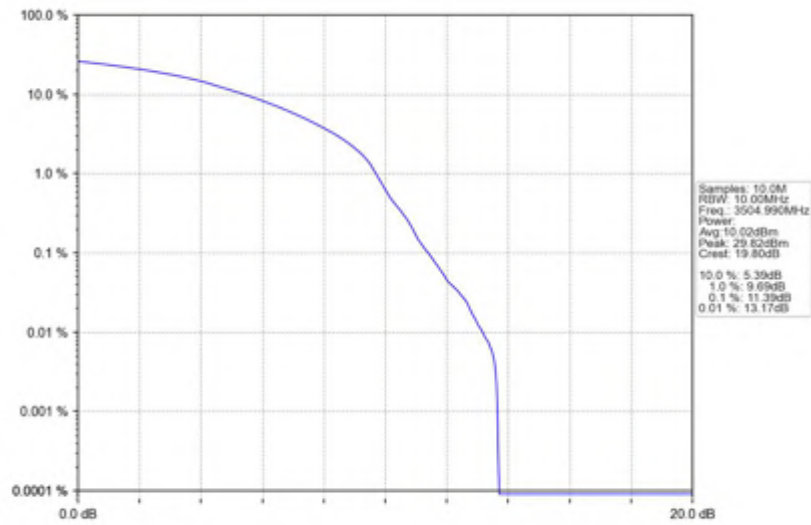




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full

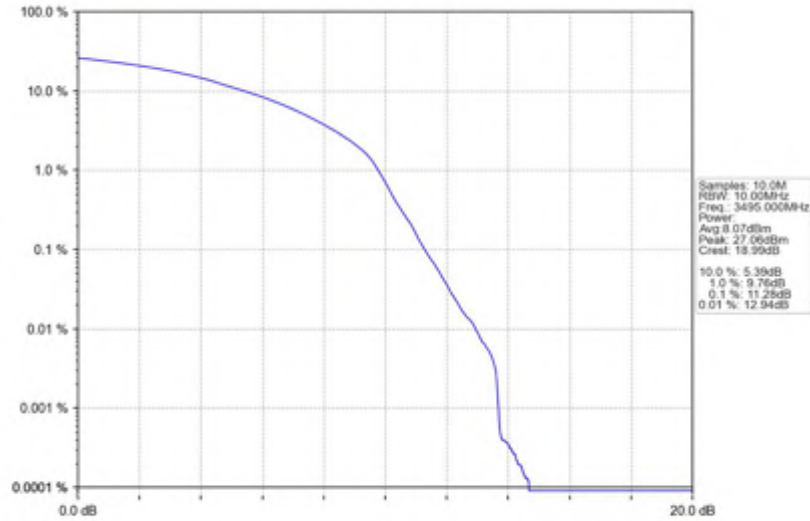


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3504.99MHz_Outer_Full

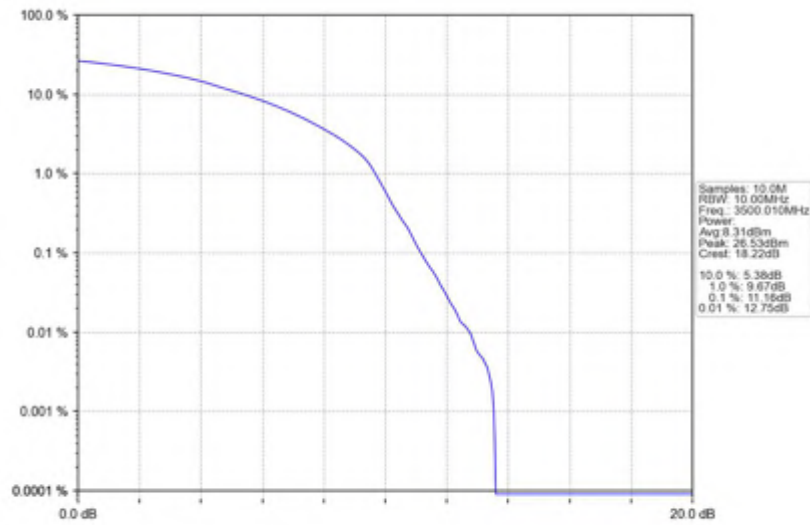




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3495MHz_Outer_Full

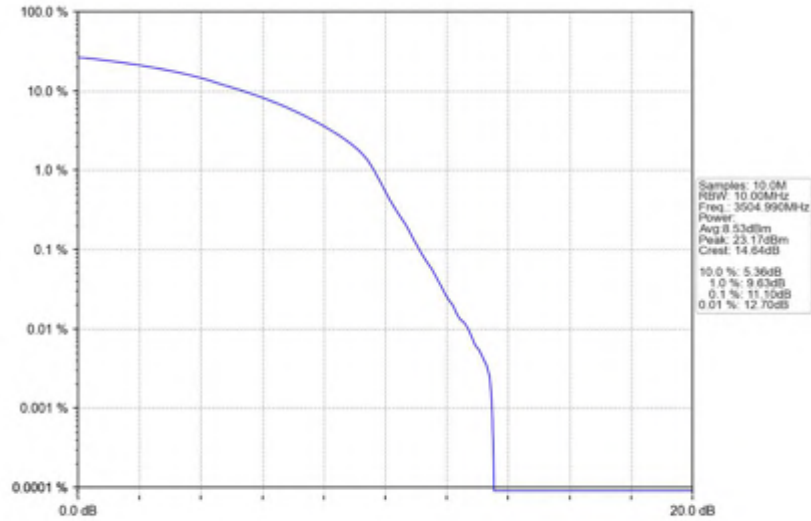


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full

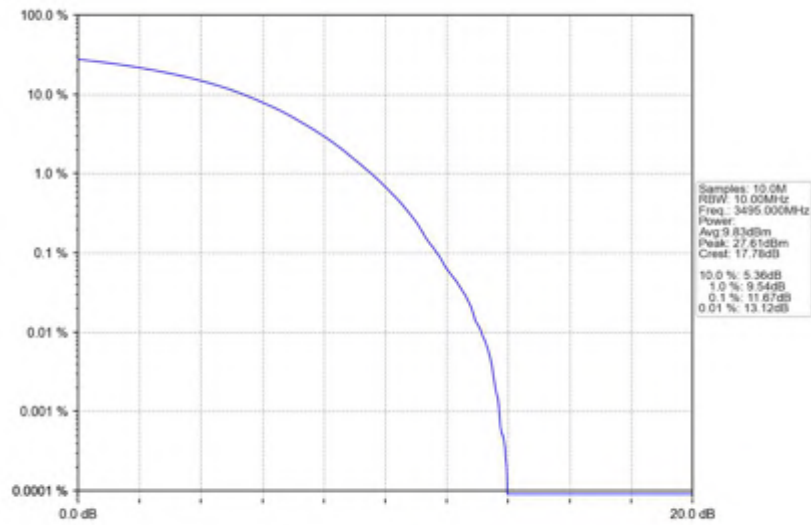




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3504.99MHz_Outer_Full

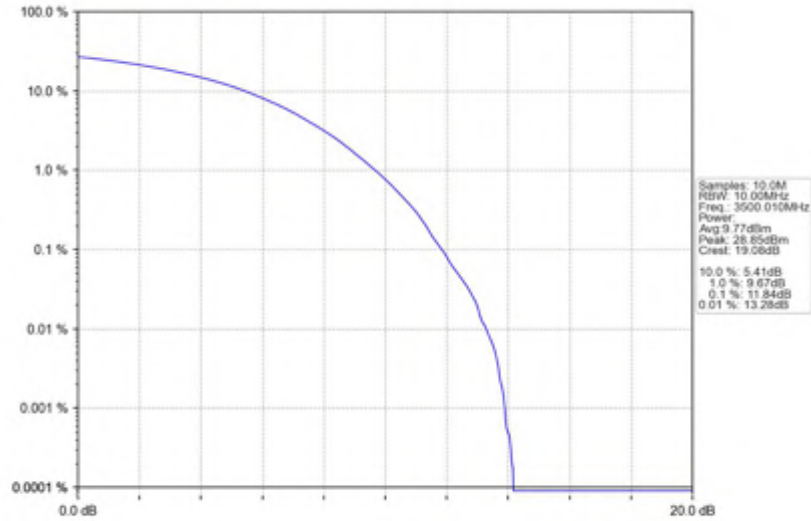


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3495MHz_Outer_Full

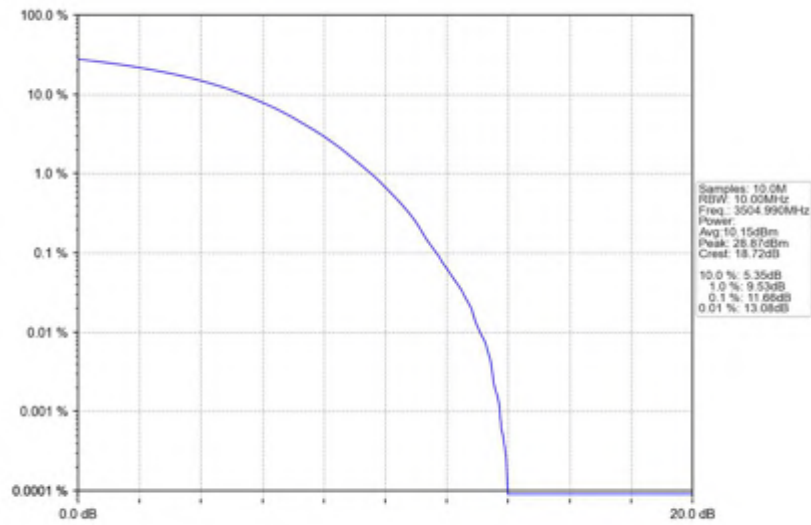




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full

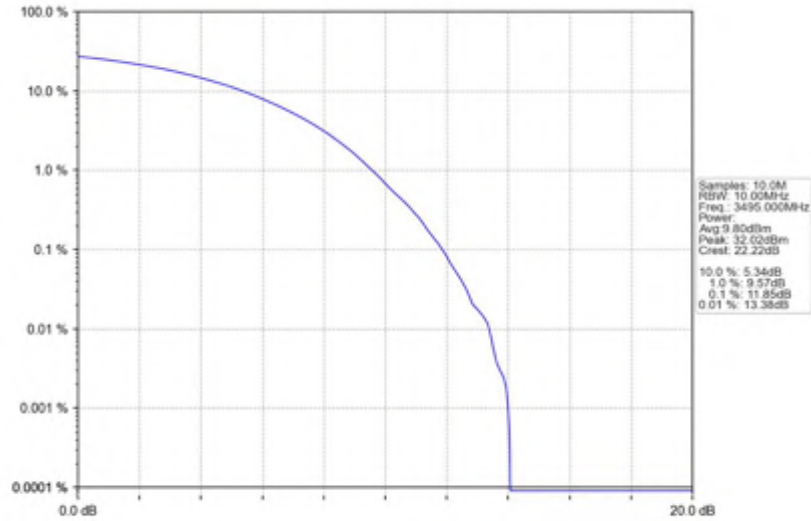


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3504.99MHz_Outer_Full

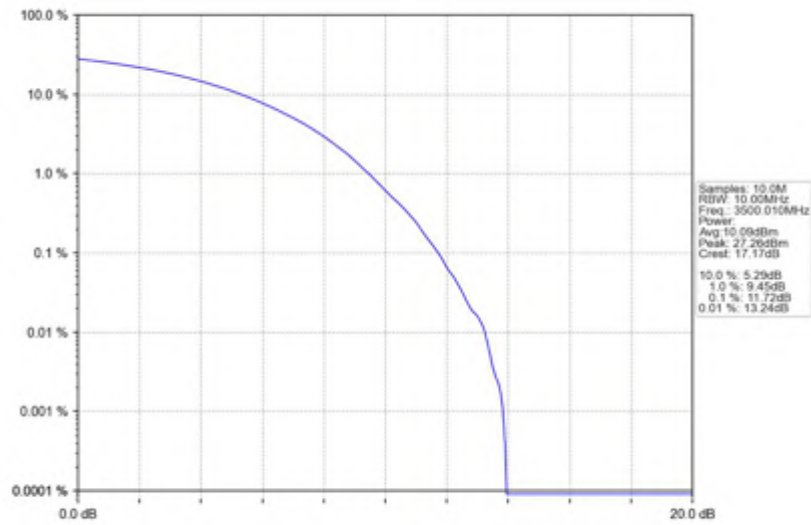




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3495MHz_Outer_Full

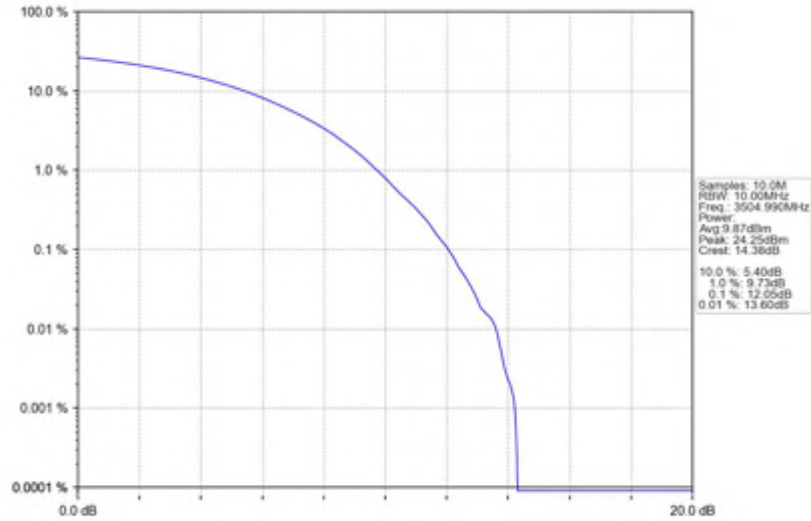


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full

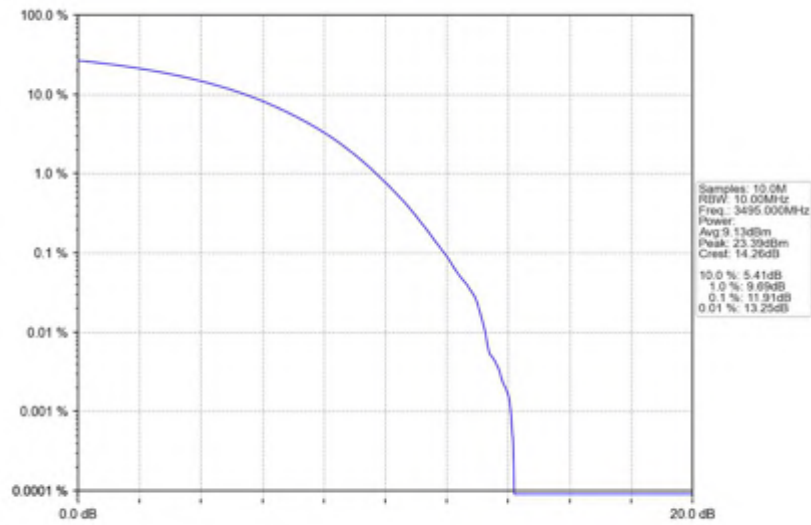




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_16 QAM_3504.99MHz_Outer_Full

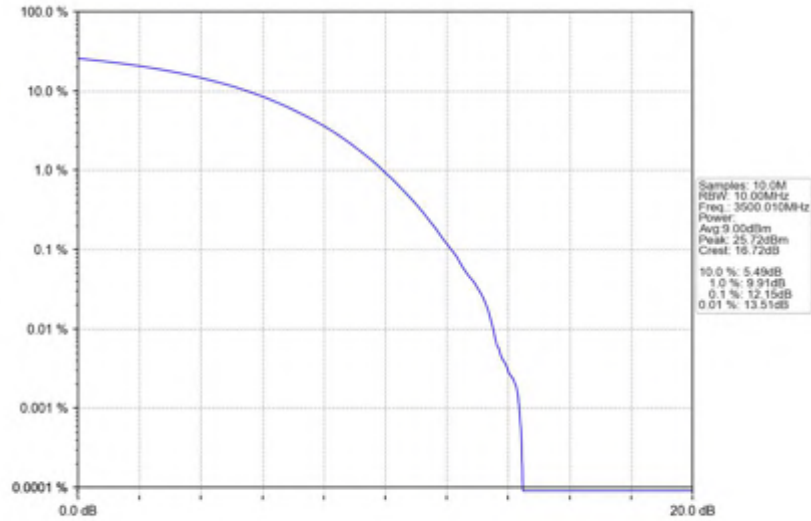


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_64 QAM_3495MHz_Outer_Full

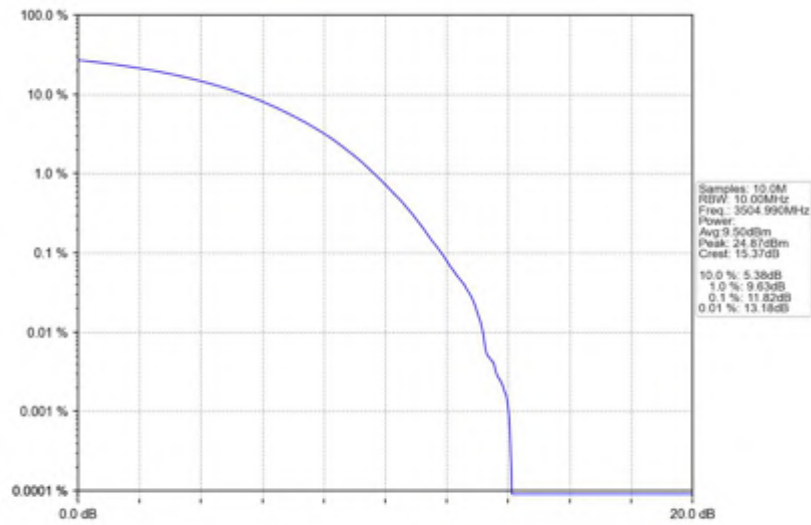




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full

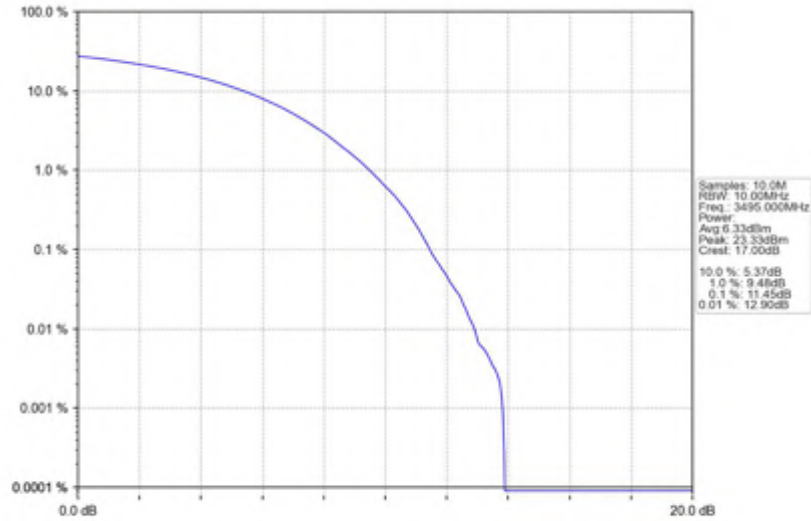


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM 64 QAM_3504.99MHz_Outer_Full

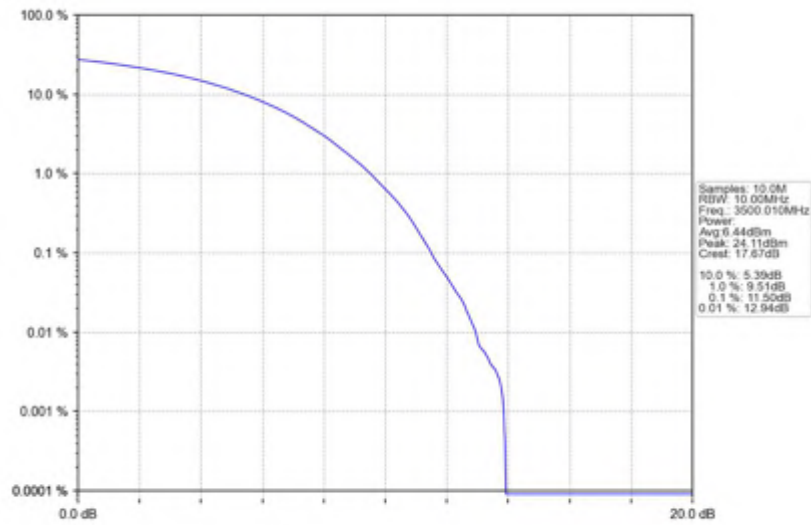




n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3495MHz_Outer_Full

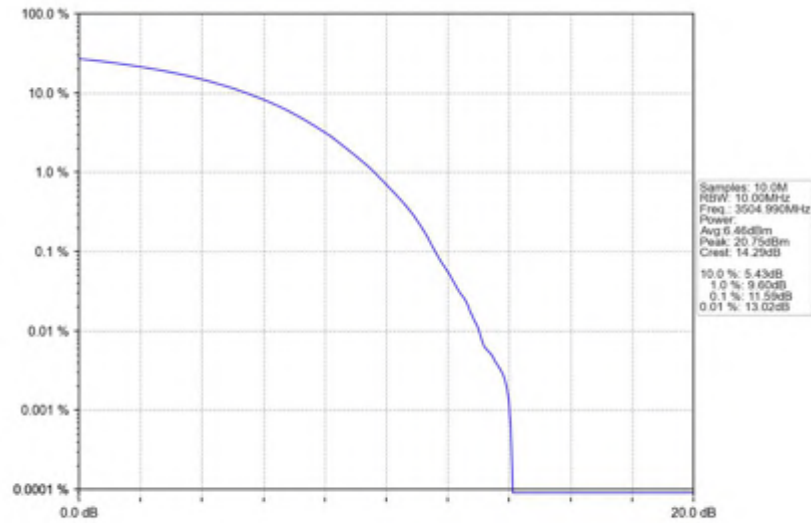


n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full





n78(3450-3550MHz) 30kHz SISO_NTNV_90MHz_CP-OFDM 256 QAM 3504.99MHz_Outer_Full





4.9 30k_SISO_100MHz_NTNV

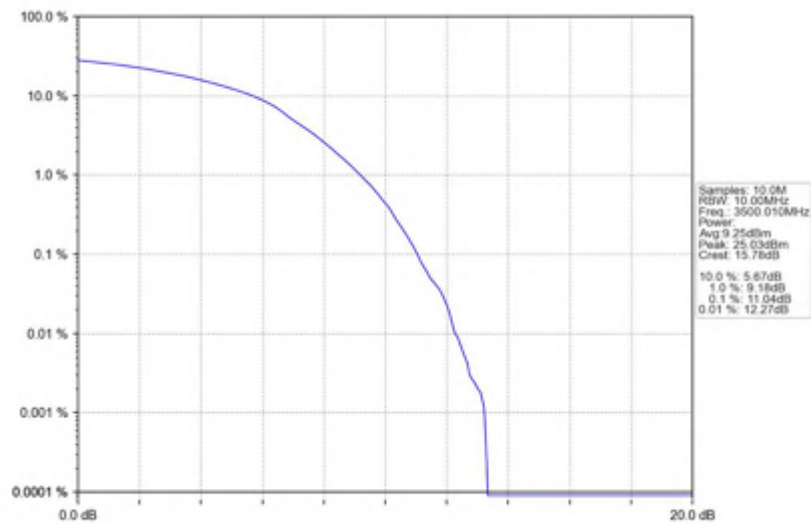
4.9.1 Test Result

5G NR n78(3450-3550MHz) SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer Full	11.04	/	/	<=13	Pass
	3500.01	Outer Full	10.83	/	/	<=13	Pass
	3499.98	Outer Full	10.89	/	/	<=13	Pass
DFT-s-OFDM QPSK	3500.01	Outer Full	11.36	/	/	<=13	Pass
	3500.01	Outer Full	11.36	/	/	<=13	Pass
	3499.98	Outer Full	11.41	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer Full	11.22	/	/	<=13	Pass
	3500.01	Outer Full	11.43	/	/	<=13	Pass
	3499.98	Outer Full	11.37	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer Full	11.47	/	/	<=13	Pass
	3500.01	Outer Full	11.48	/	/	<=13	Pass
	3499.98	Outer Full	11.43	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer Full	11.41	/	/	<=13	Pass
	3500.01	Outer Full	11.44	/	/	<=13	Pass
	3499.98	Outer Full	11.41	/	/	<=13	Pass
CP-OFDM QPSK	3500.01	Outer Full	11.68	/	/	<=13	Pass
	3500.01	Outer Full	11.48	/	/	<=13	Pass
	3499.98	Outer Full	11.57	/	/	<=13	Pass
CP-OFDM 16 QAM	3500.01	Outer Full	11.72	/	/	<=13	Pass
	3500.01	Outer Full	11.62	/	/	<=13	Pass
	3499.98	Outer Full	11.75	/	/	<=13	Pass
CP-OFDM 64 QAM	3500.01	Outer Full	11.94	/	/	<=13	Pass
	3500.01	Outer Full	11.94	/	/	<=13	Pass
	3499.98	Outer Full	11.95	/	/	<=13	Pass
CP-OFDM 256 QAM	3500.01	Outer Full	11.85	/	/	<=13	Pass
	3500.01	Outer Full	11.68	/	/	<=13	Pass
	3499.98	Outer Full	11.55	/	/	<=13	Pass

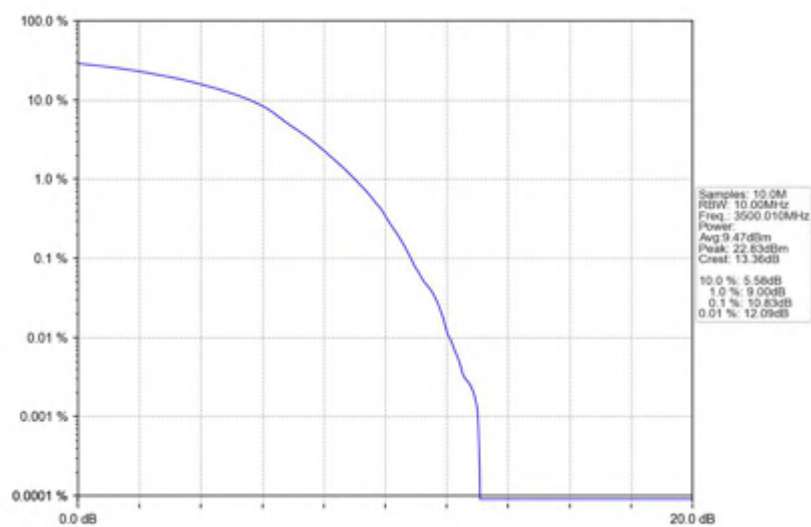


4.9.2 Test Graph

n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full

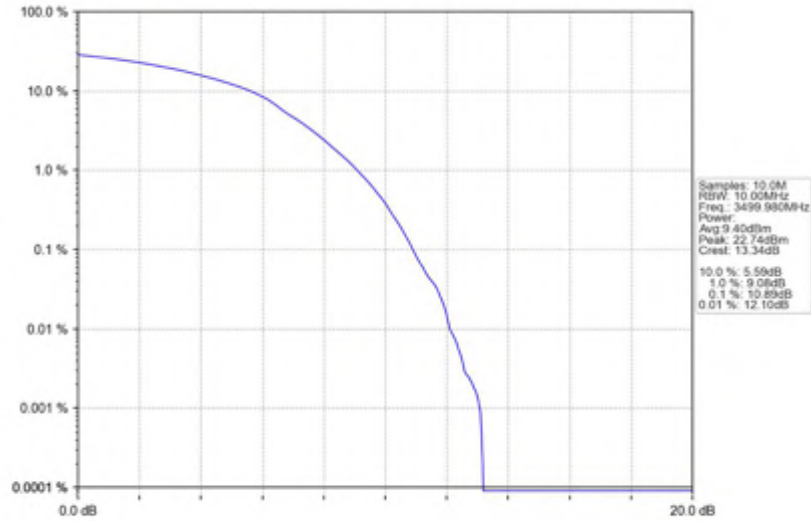


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full

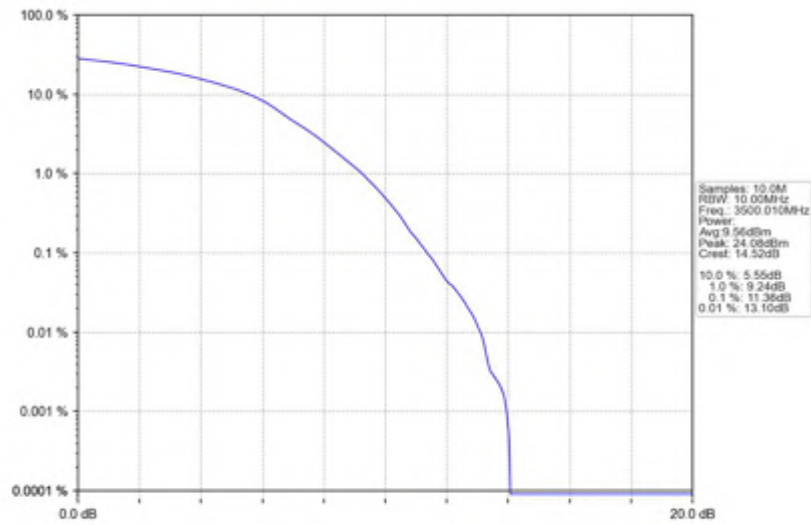




n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_PI/2_BPSK_3499.98MHz_Outer_Full

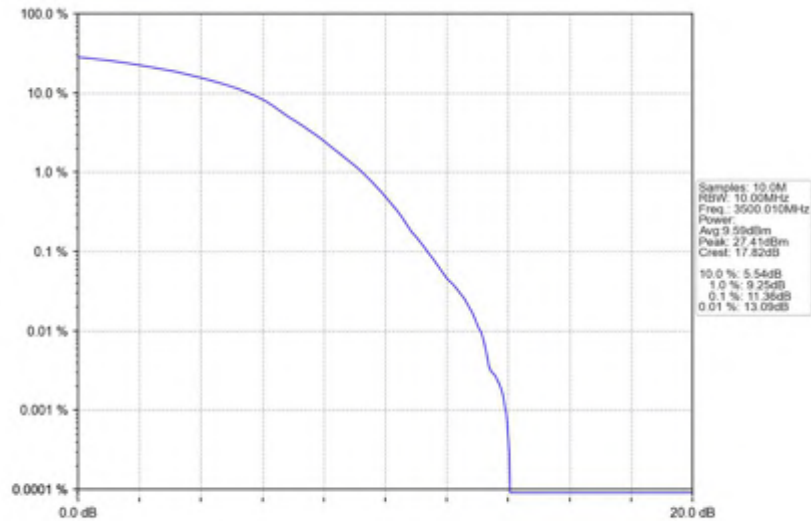


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

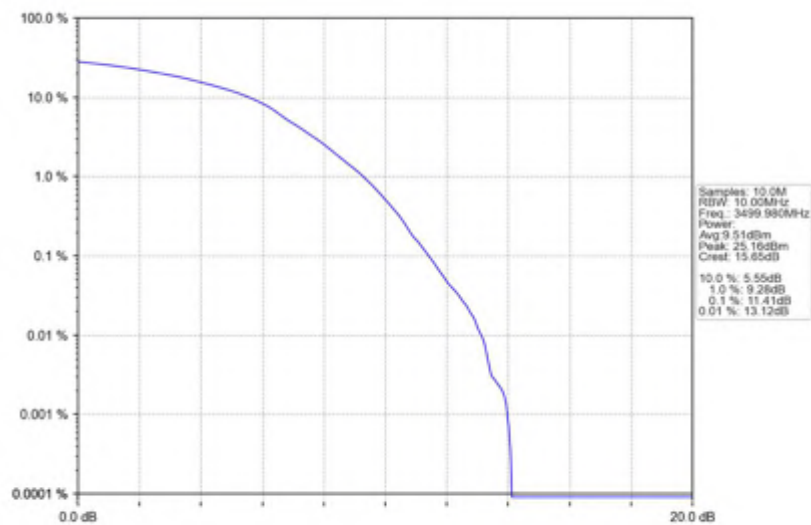




n78(3450-3550MHz) 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3500.01MHz Outer Full

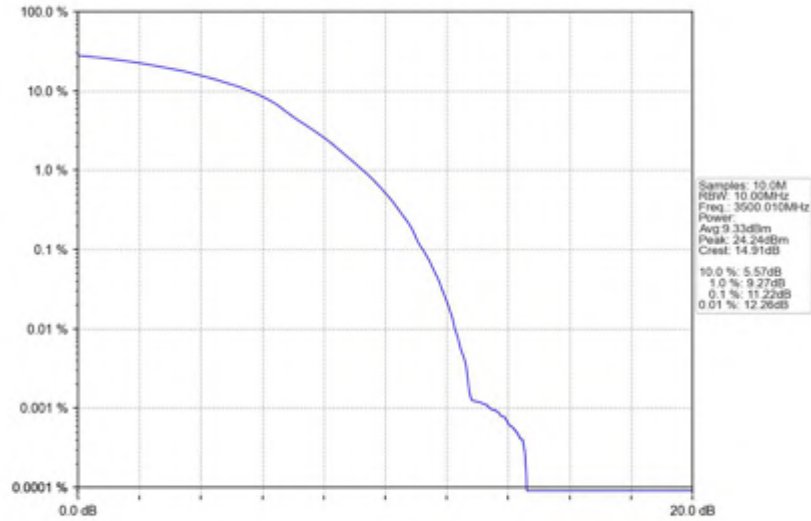


n78(3450-3550MHz) 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3499.98MHz Outer Full

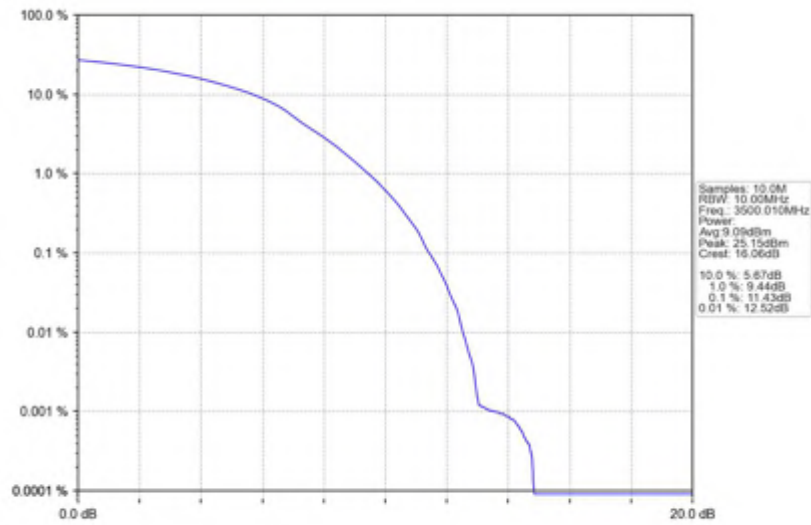




n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full

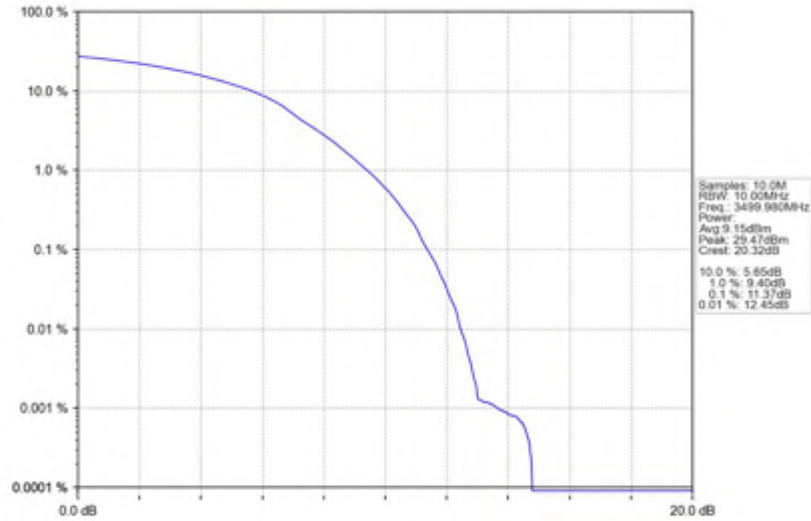


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full

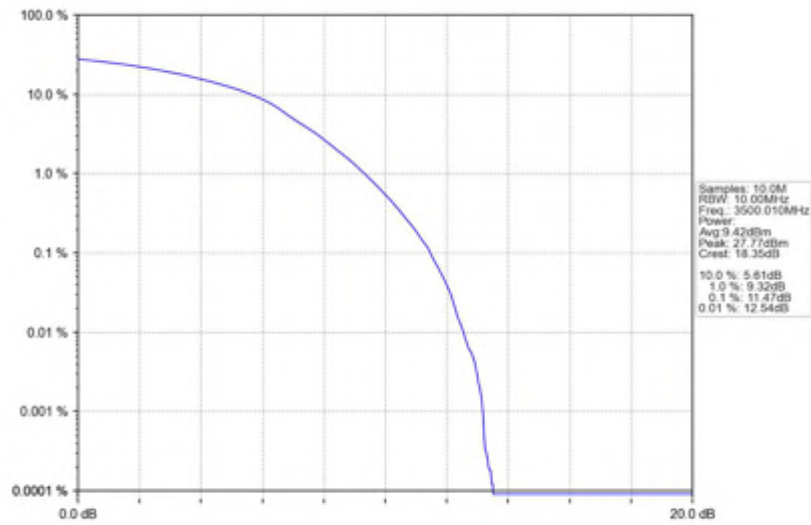




n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_3499.98MHz_Outer_Full

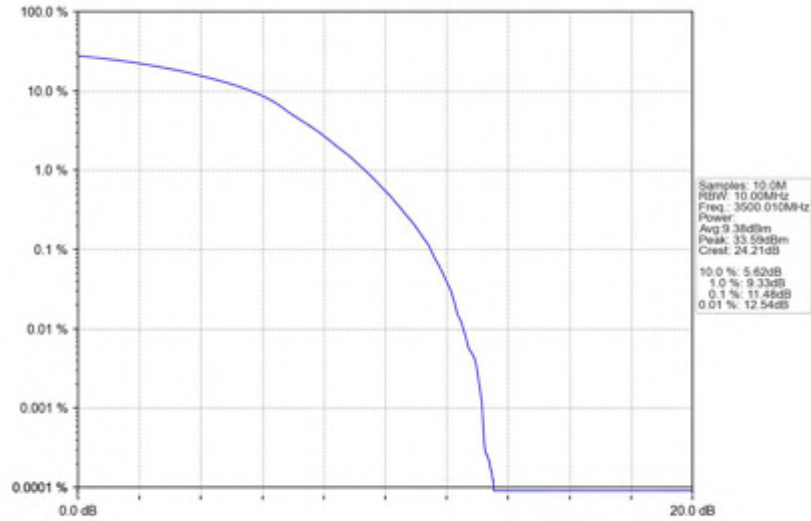


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full

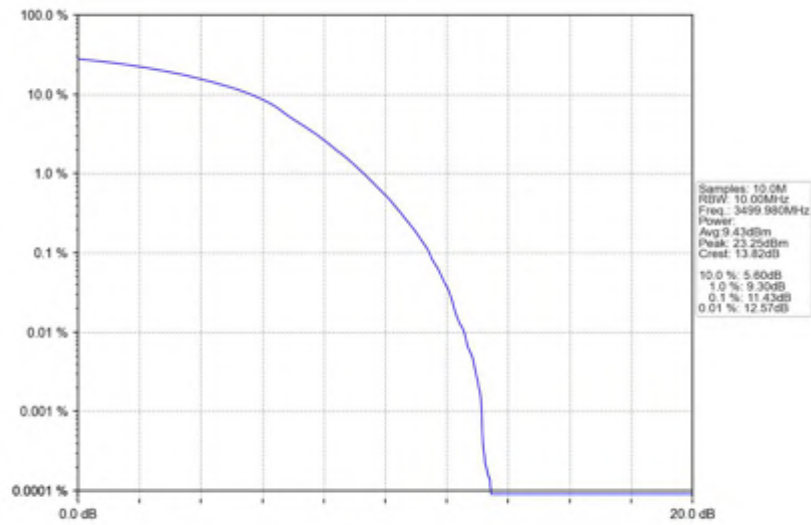




n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full

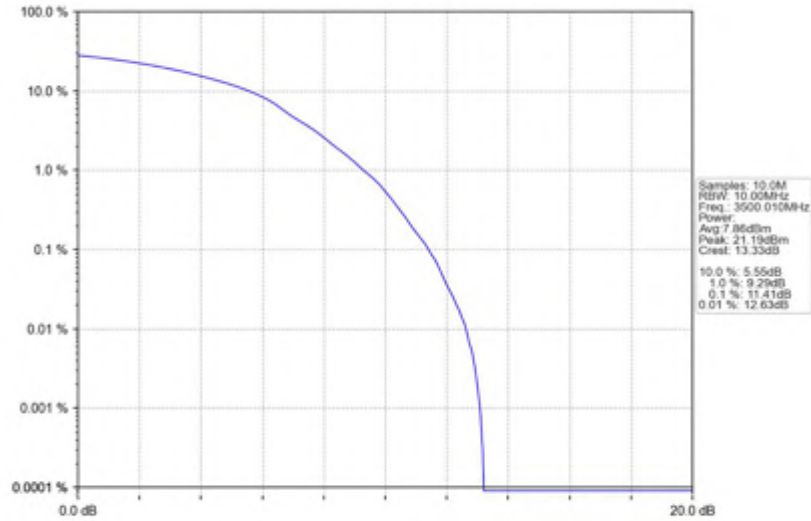


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_3499.98MHz_Outer_Full

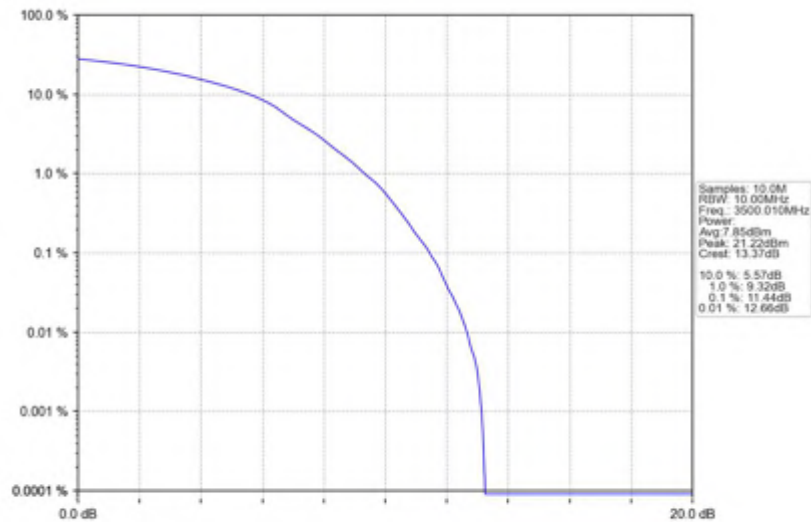




n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full

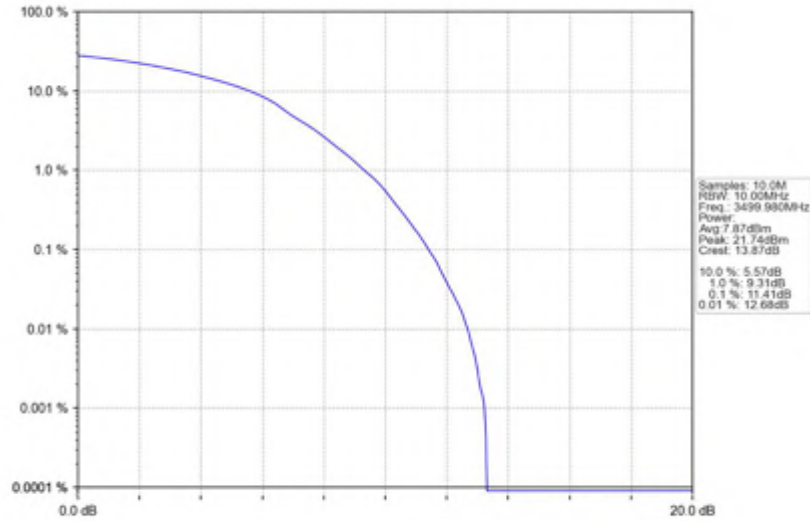


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full

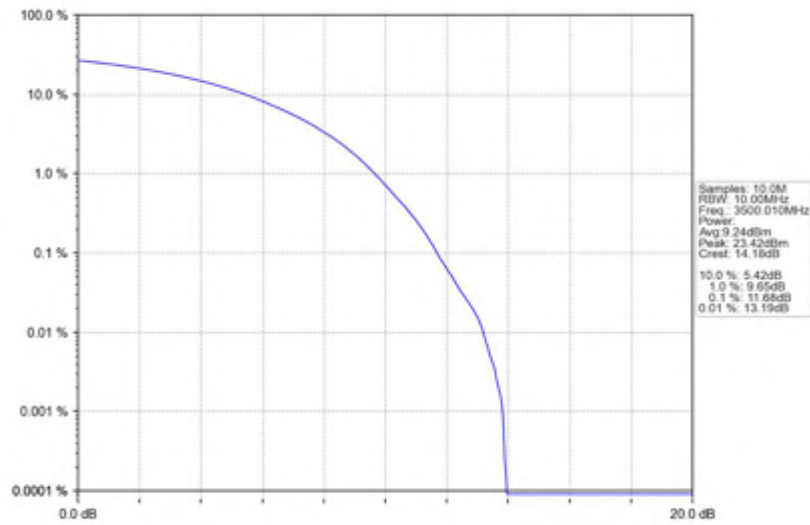




n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_3499.98MHz_Outer_Full

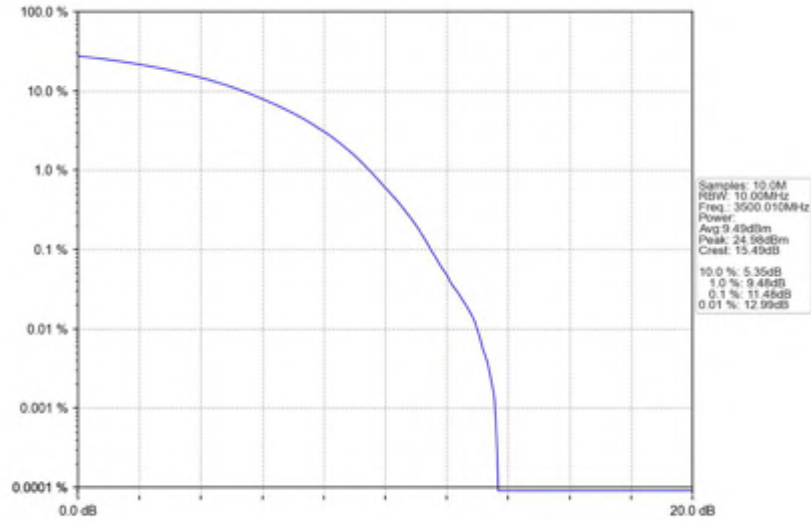


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full

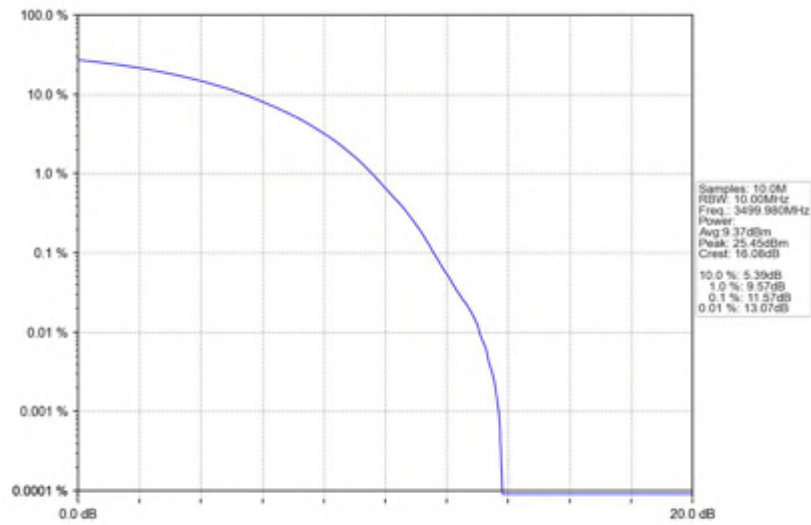




n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full

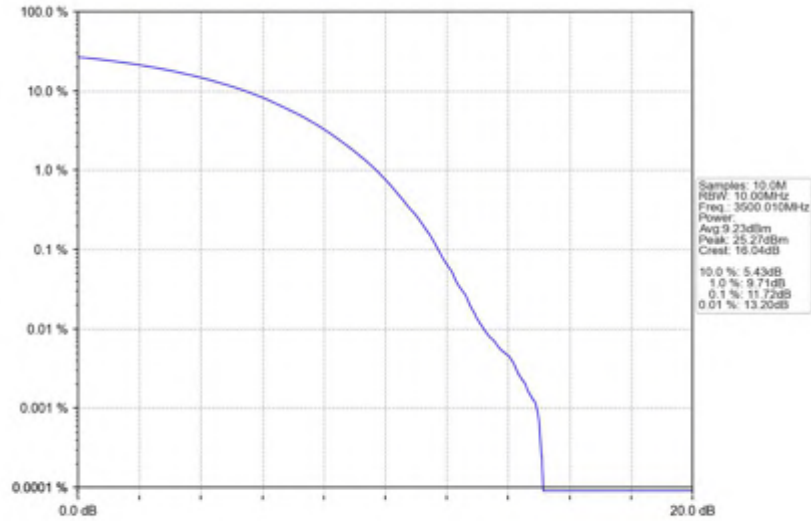


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3499.98MHz_Outer_Full

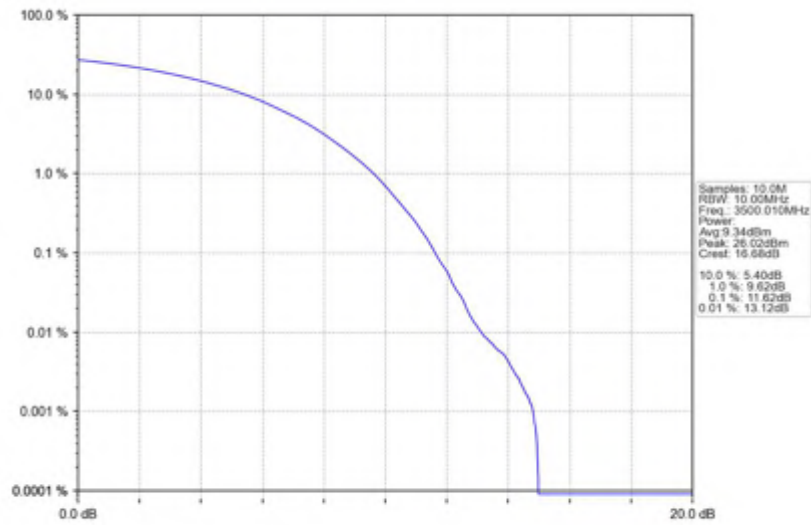




n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full

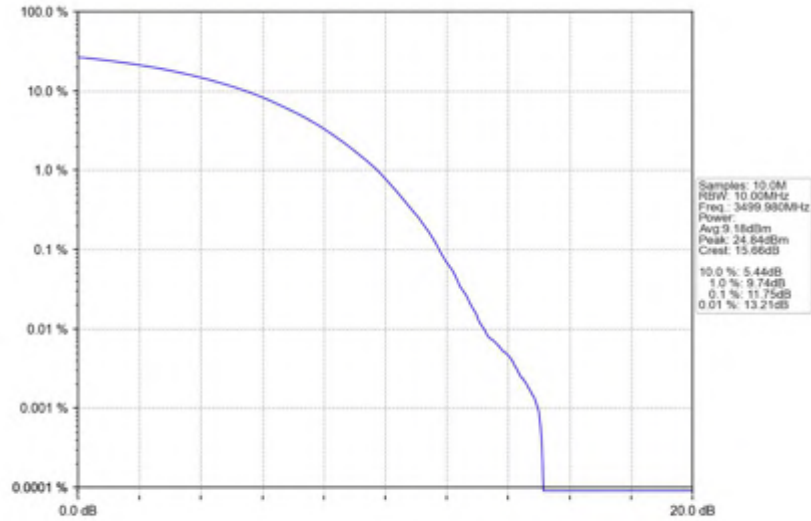


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full

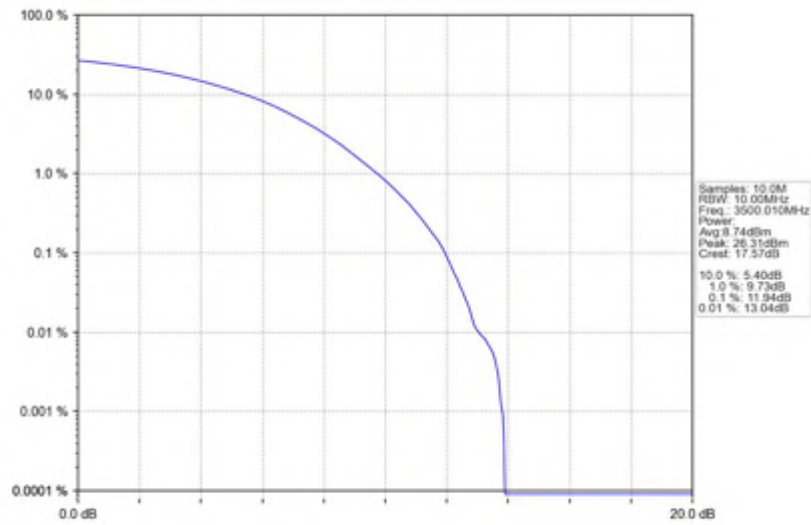




n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM_16 QAM_3499.98MHz_Outer_Full

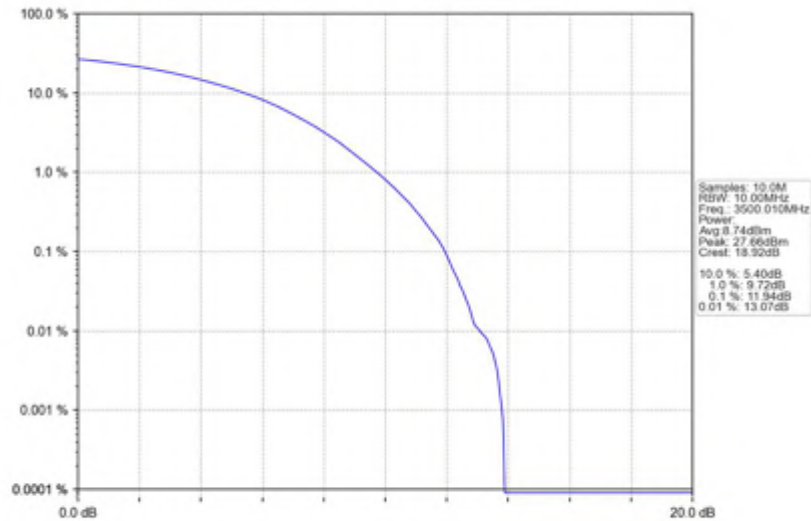


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM_64 QAM_3500.01MHz_Outer_Full

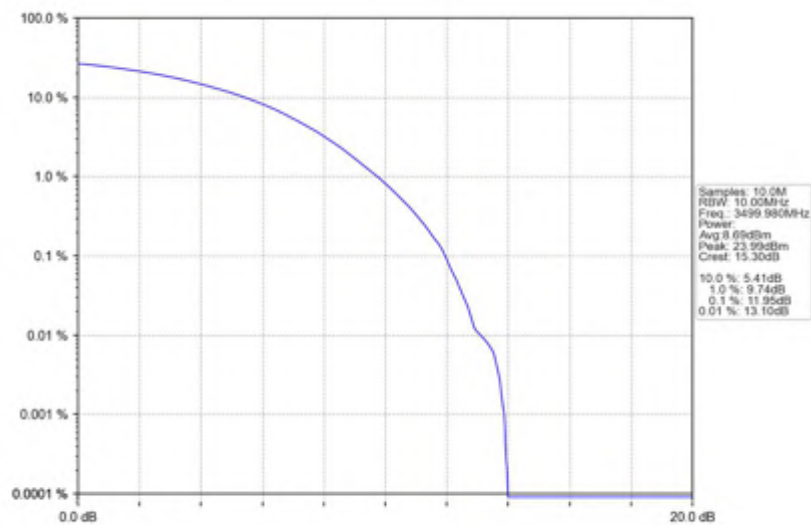




n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full

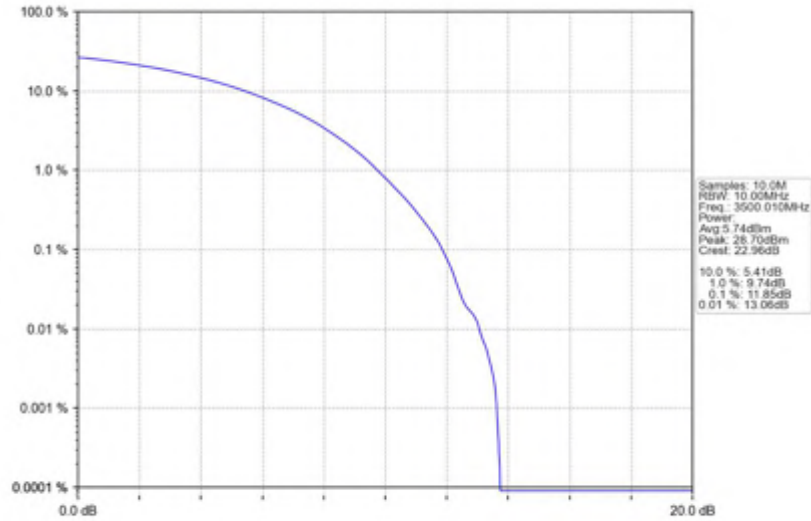


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM_64_QAM_3499.98MHz_Outer_Full

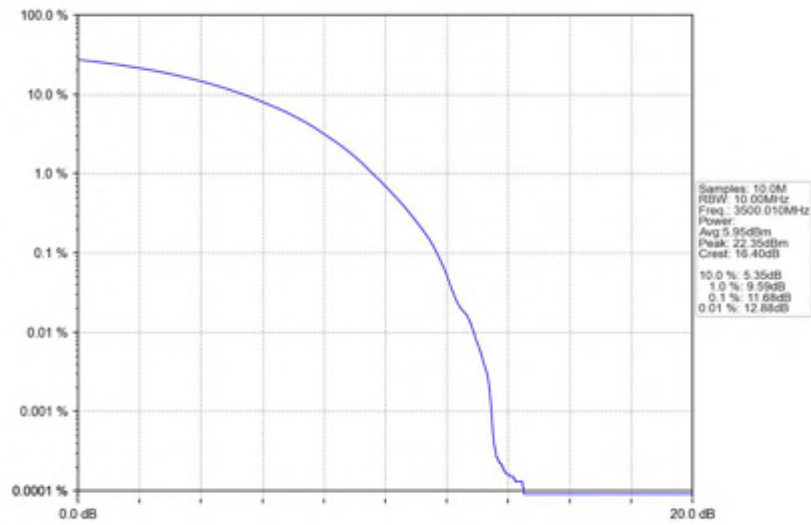




n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full

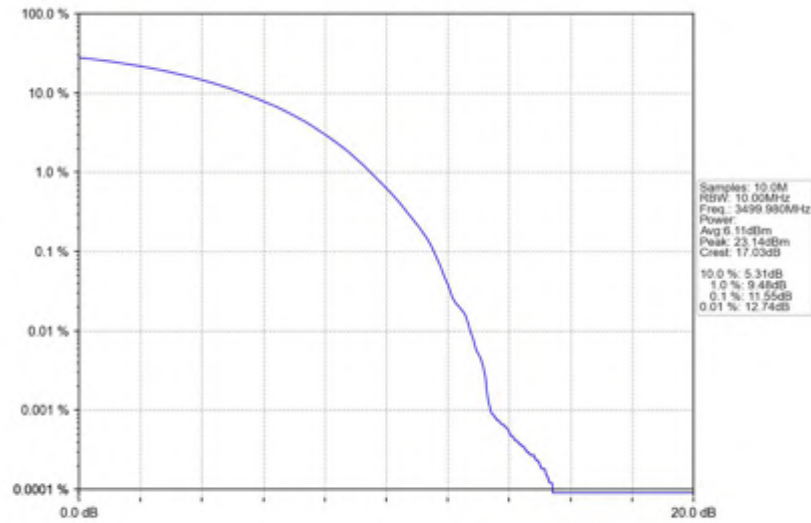


n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full





n78(3450-3550MHz) 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3499.98MHz Outer Full





5. Spurious Emission

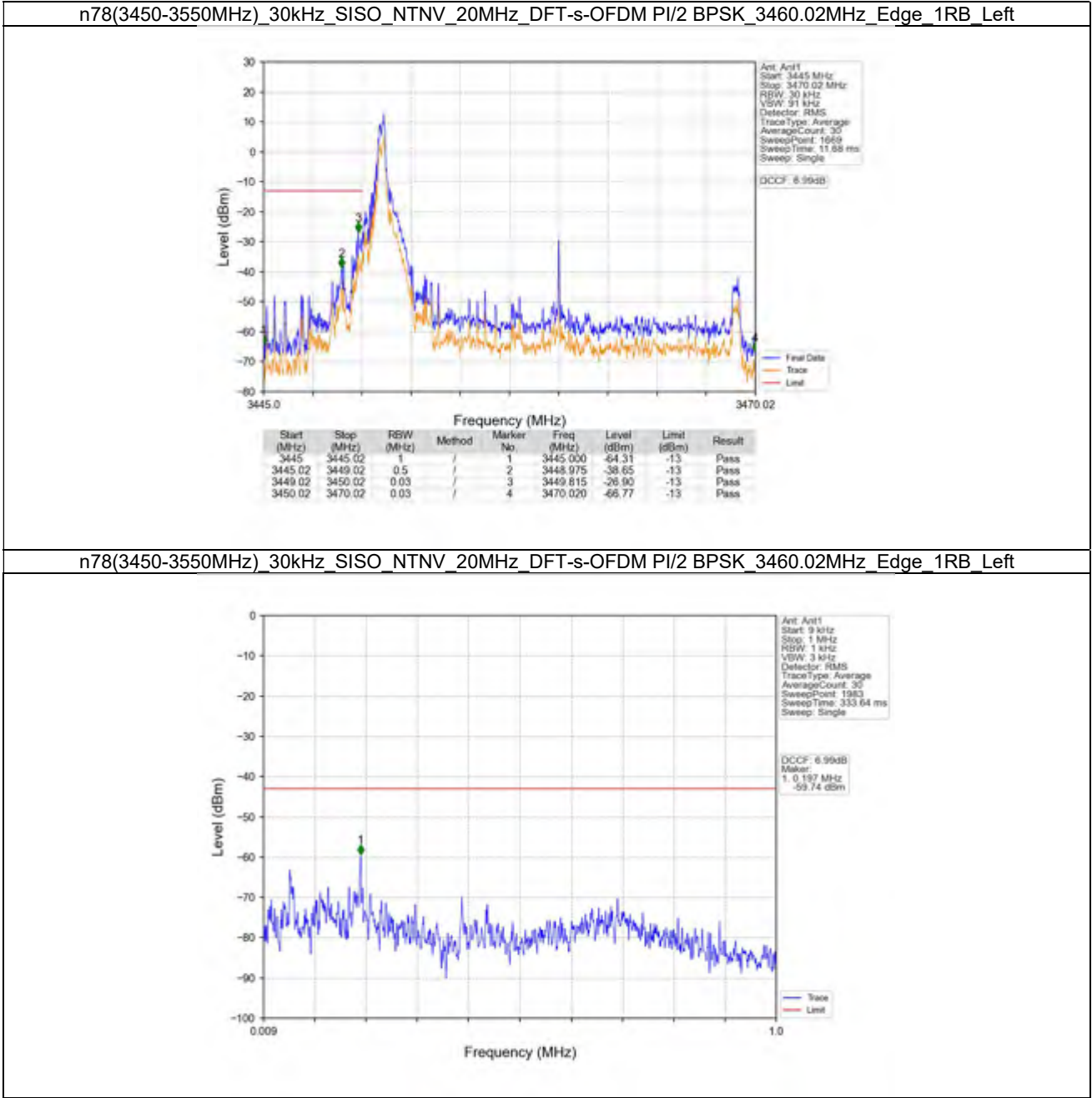
5.1 30k_SISO_20MHz_NTNV

5.1.1 Test Result

5G NR n78(3450-3550MHz) SCS=30kHz SISO 20MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
			Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
			Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
			Inner_1RB_Right	Refer To Test Graph				Pass

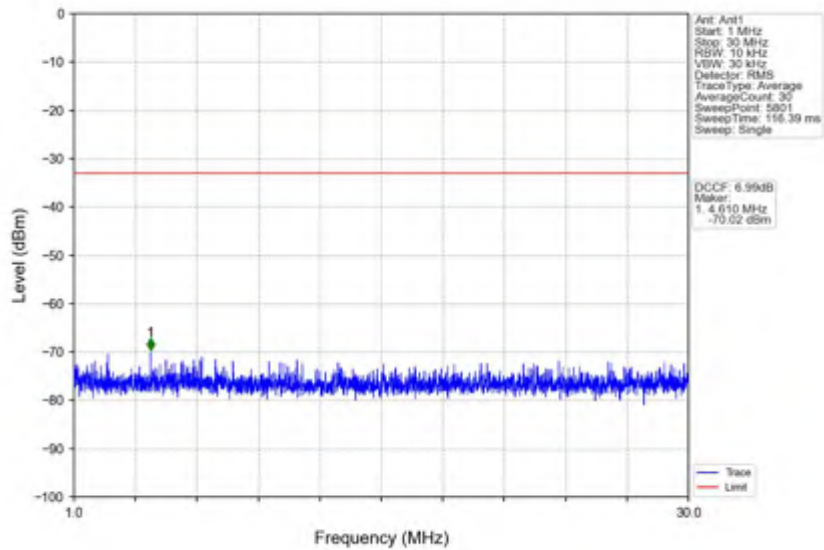


5.1.2 Test Graph

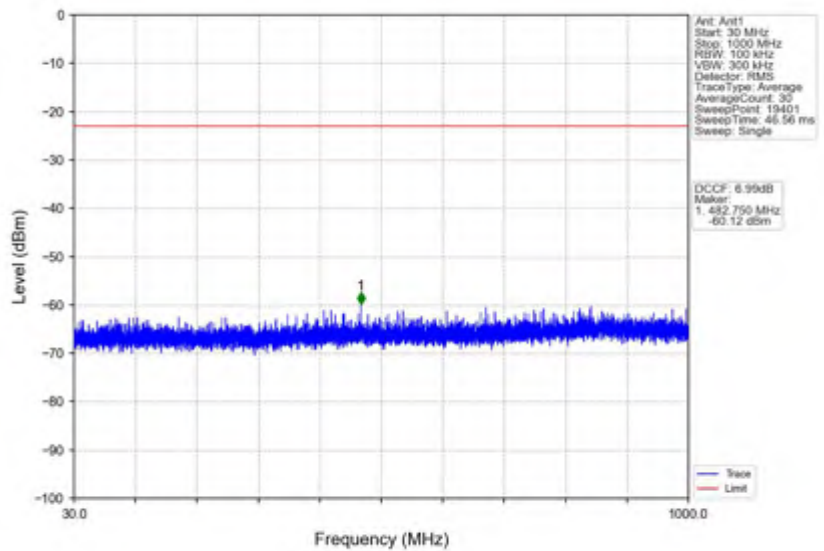




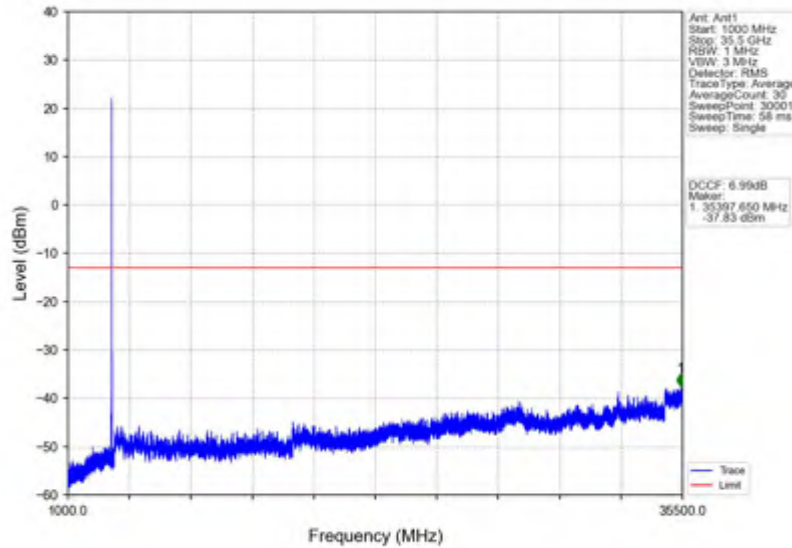
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



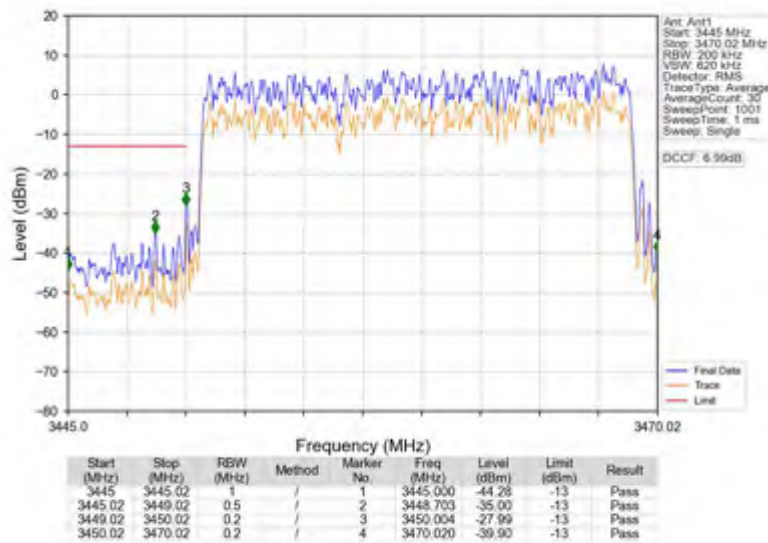
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



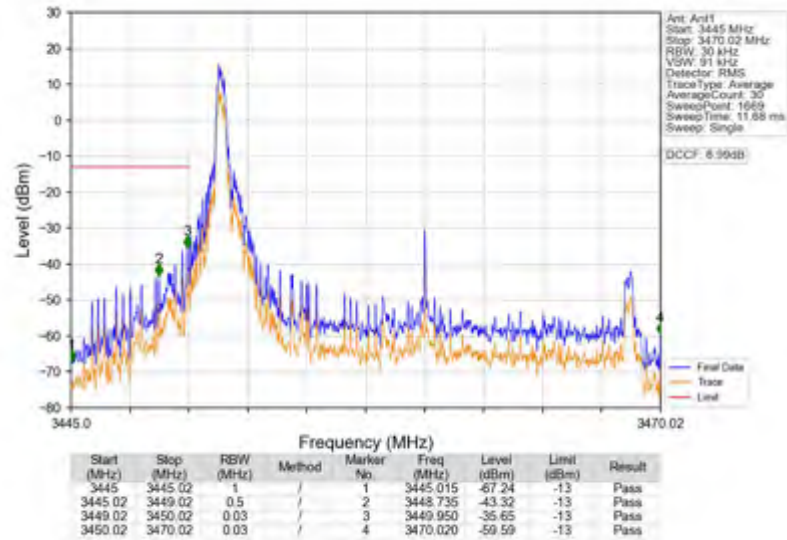
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3460.02MHz Edge 1RB Left



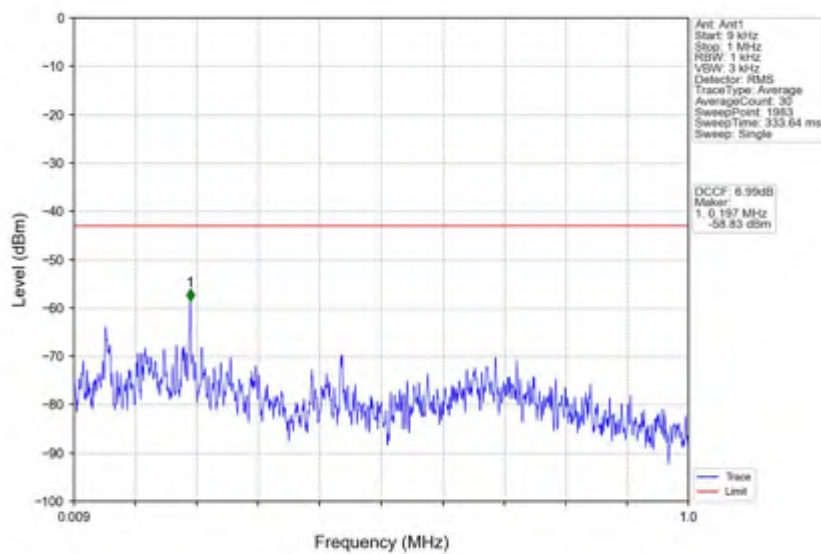
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3460.02MHz_Outer_Full



n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3460.02MHz_Inner_1RB_Left

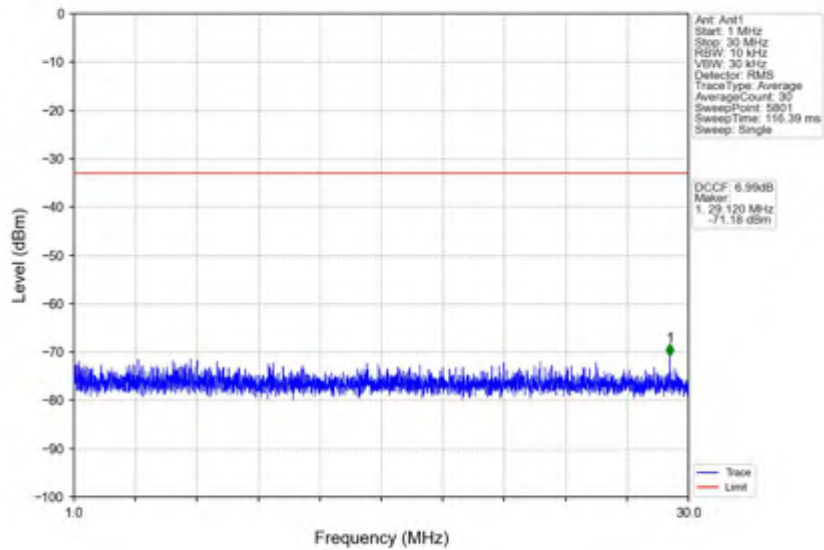


n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left

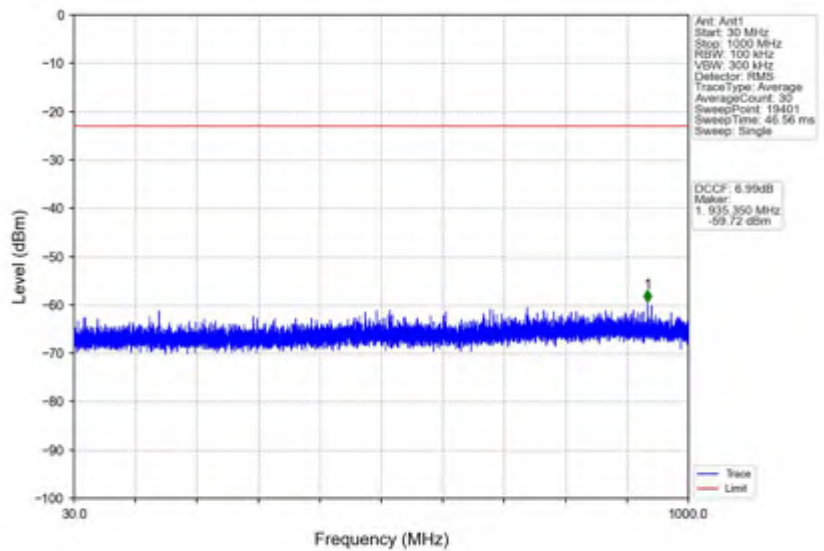




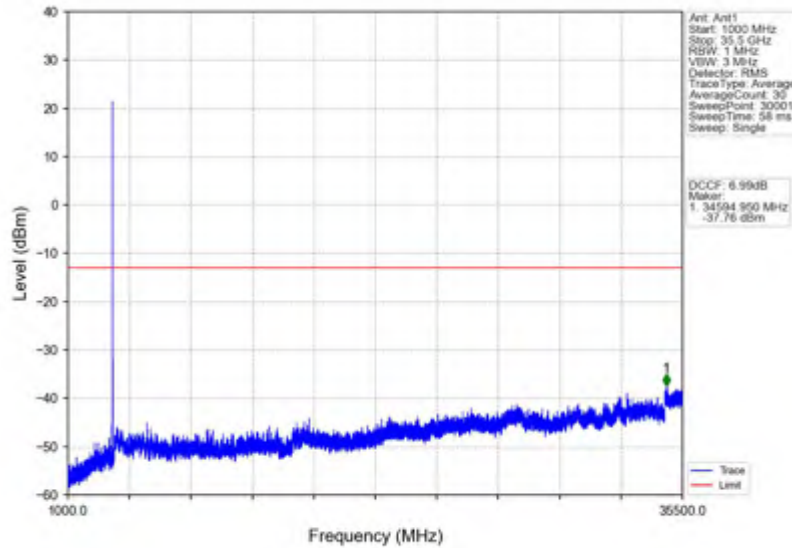
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



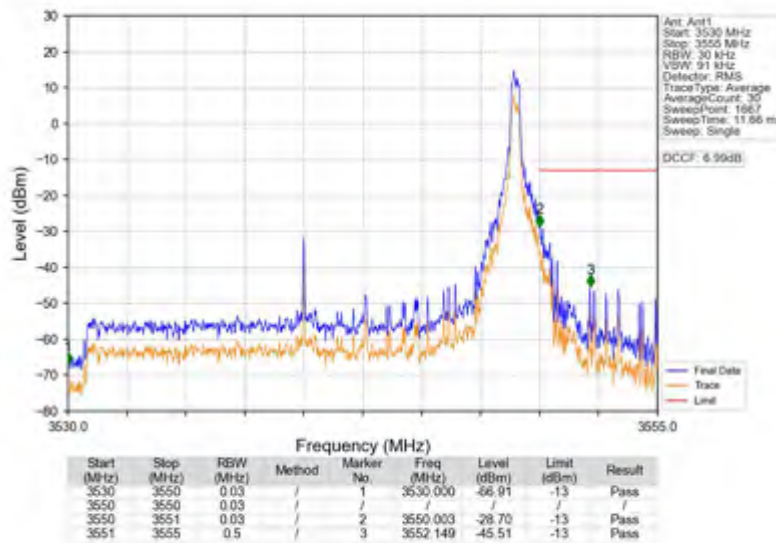
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



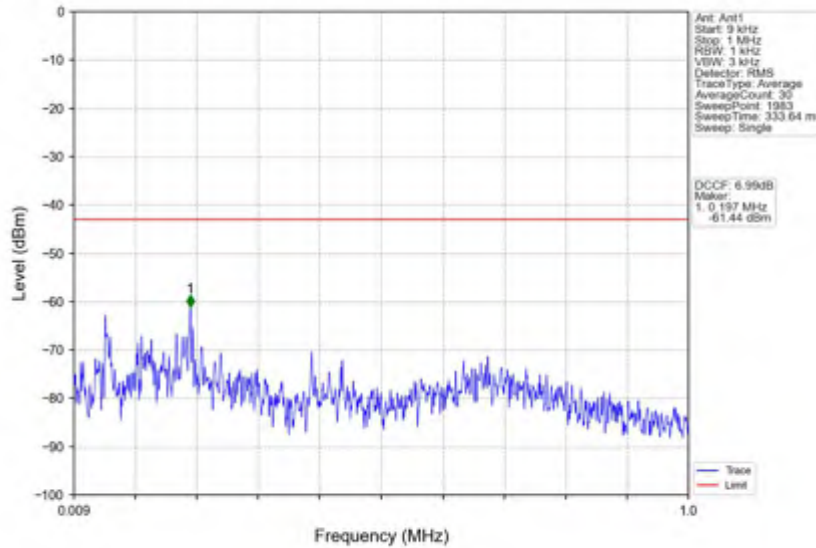
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3500.01MHz_Edge_1RB_Left



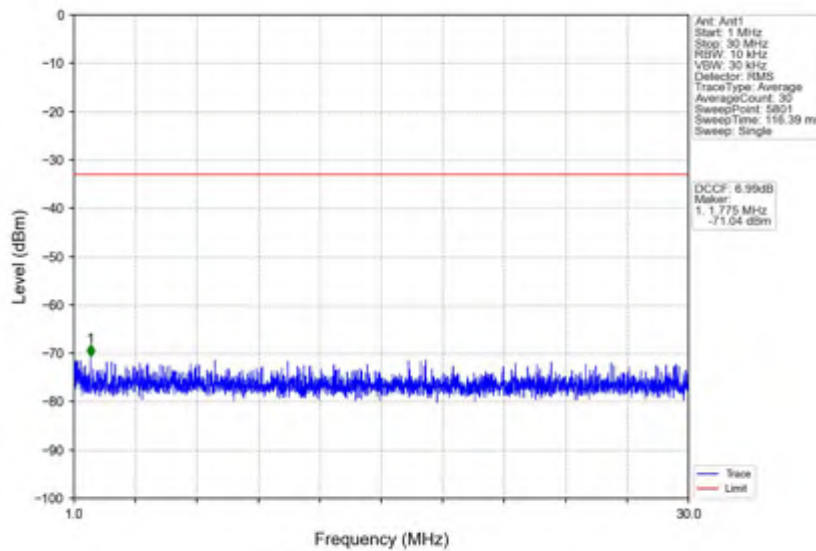
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3540MHz_Edge_1RB_Right



n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3540MHz_Edge_1RB_Right

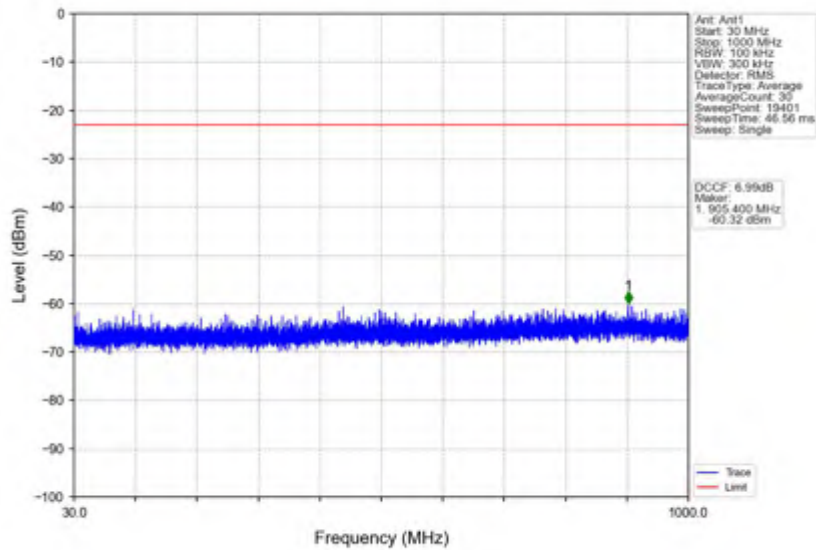


n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3540MHz_Edge_1RB_Right

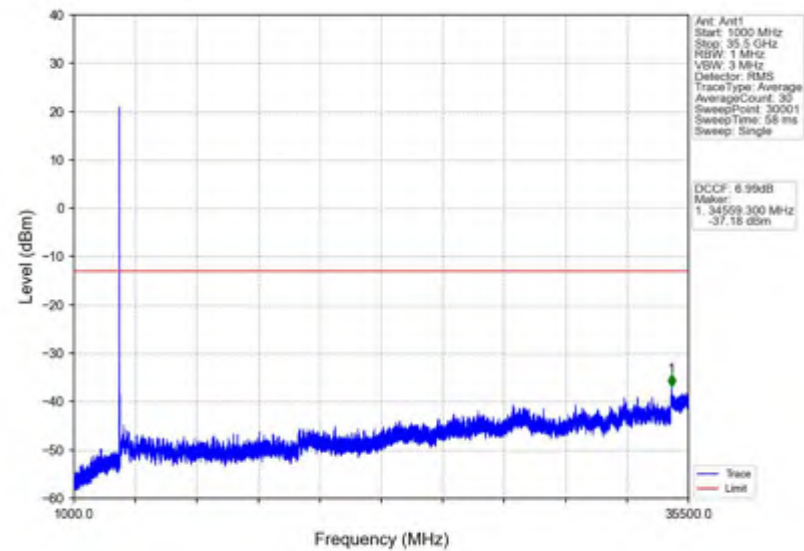




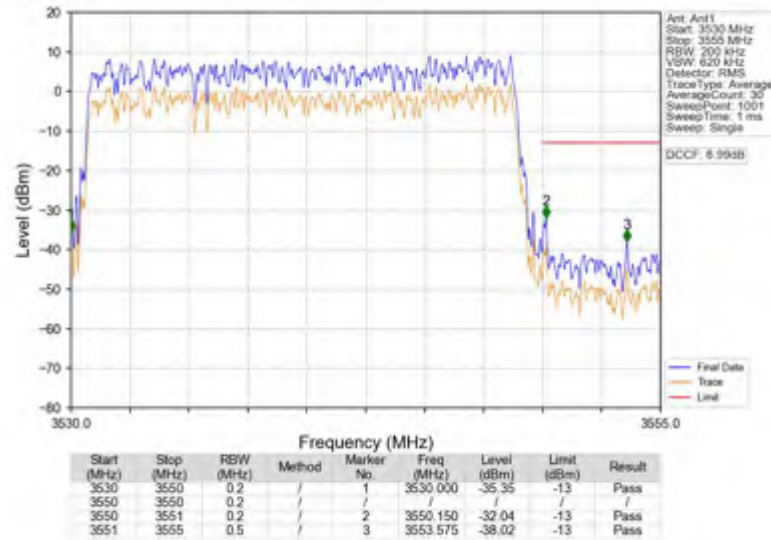
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3540MHz_Edge_1RB_Right



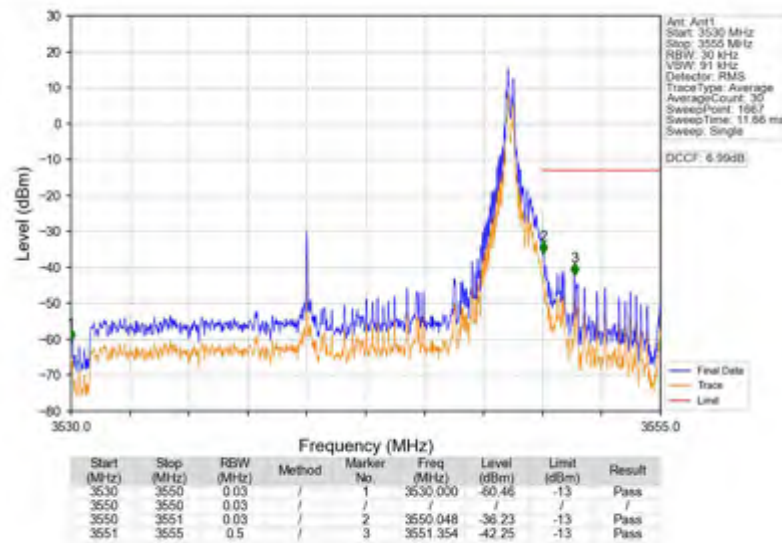
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3540MHz_Edge_1RB_Right



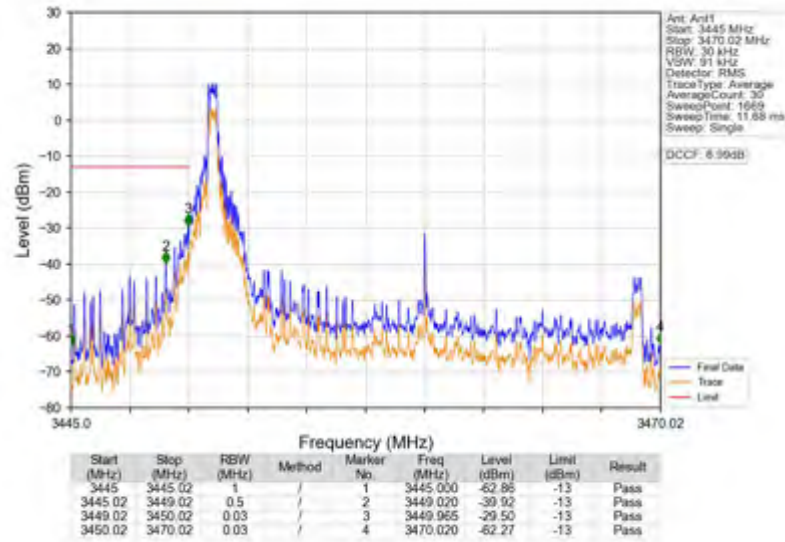
n78(3450-3550MHz) 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3540MHz Outer Full



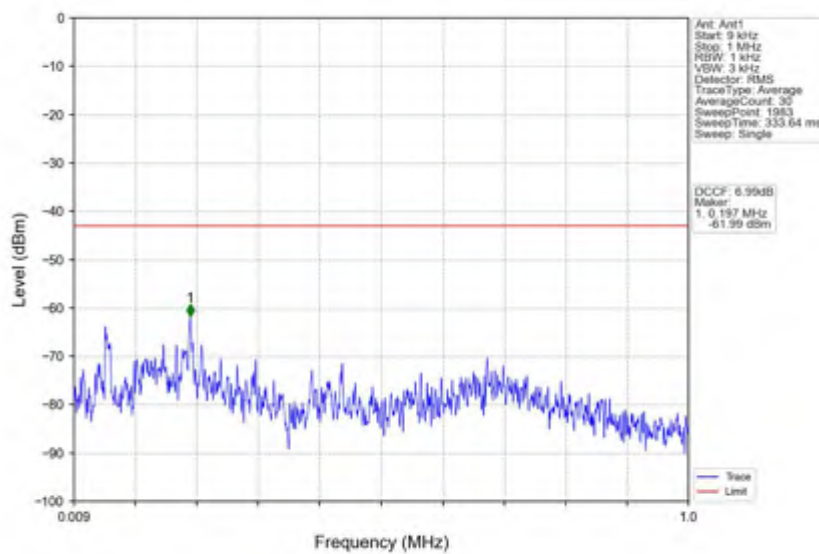
n78(3450-3550MHz) 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3540MHz Inner 1RB Right



n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Edge_1RB_Left

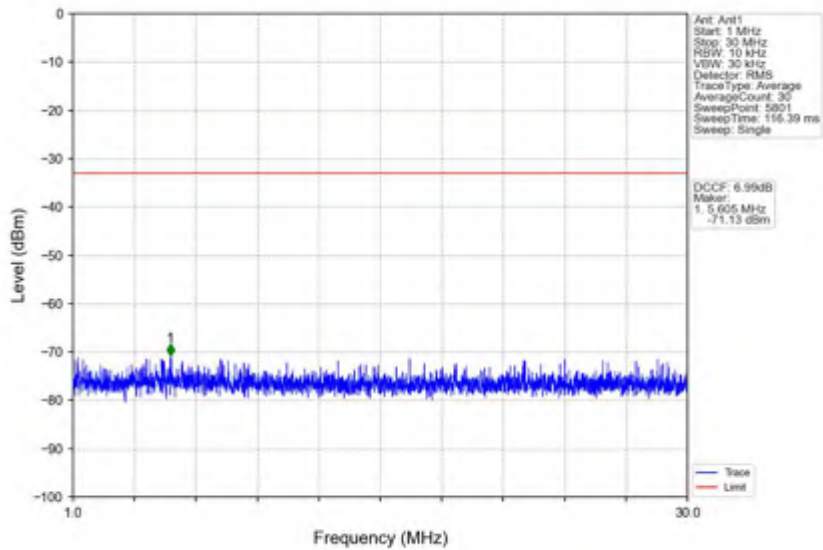


n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Edge_1RB_Left

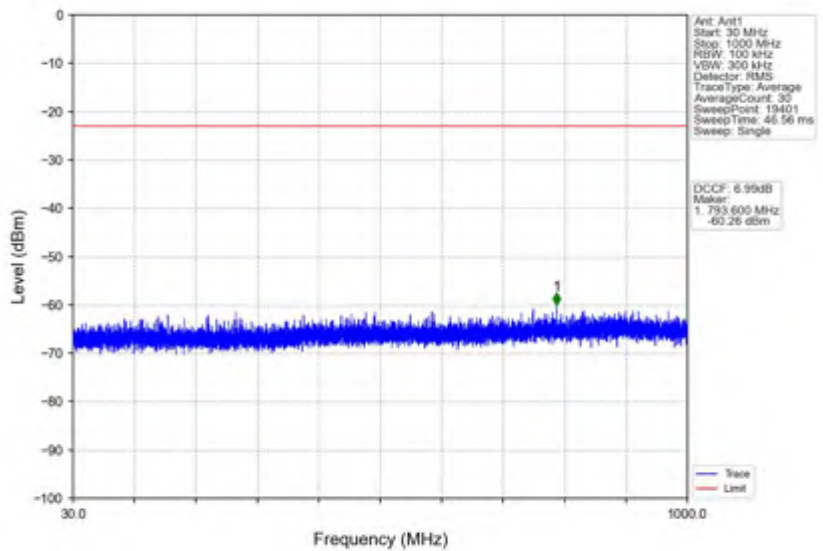




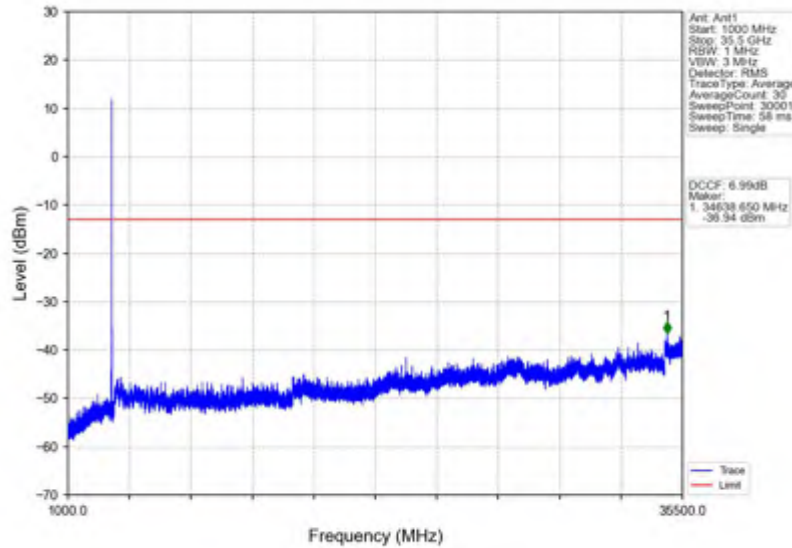
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3460.02MHz_Edge_1RB_Left



n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3460.02MHz_Edge_1RB_Left



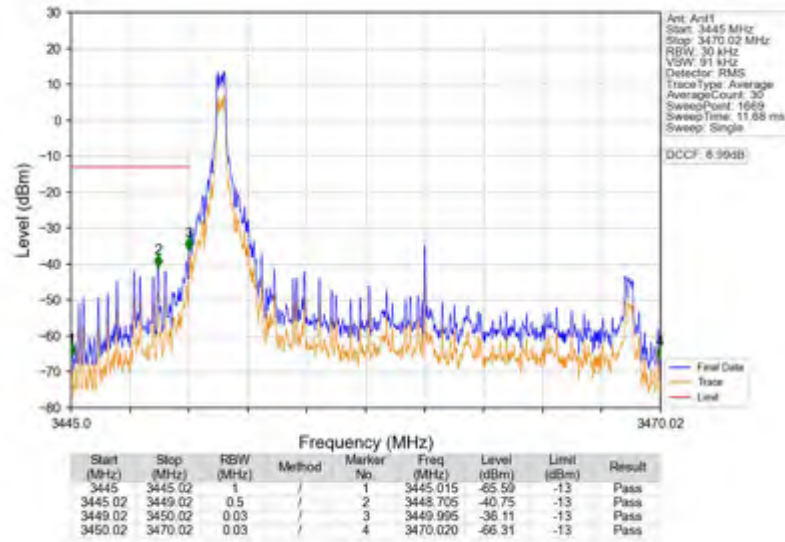
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



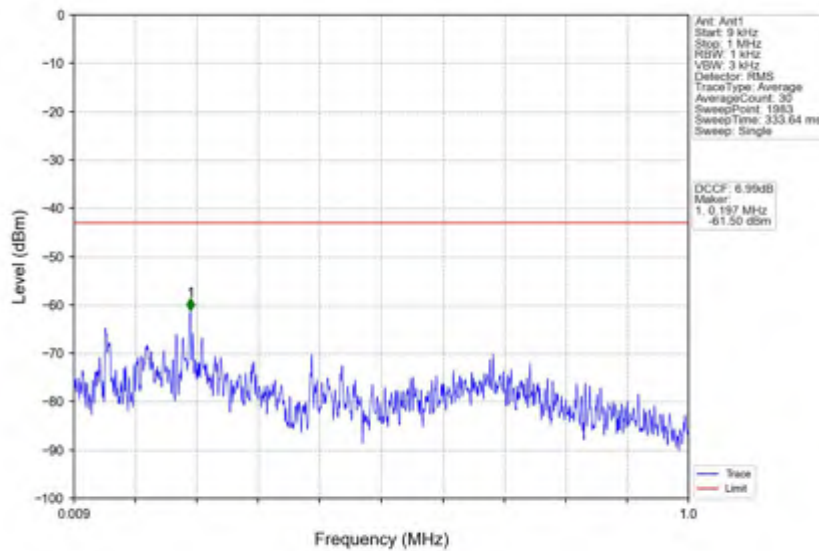
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Outer_Full



n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Inner_1RB_Left

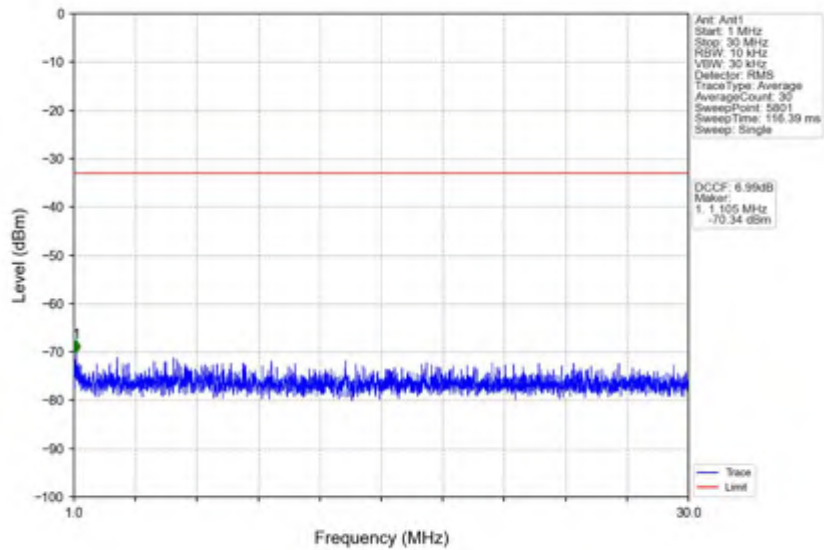


n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left

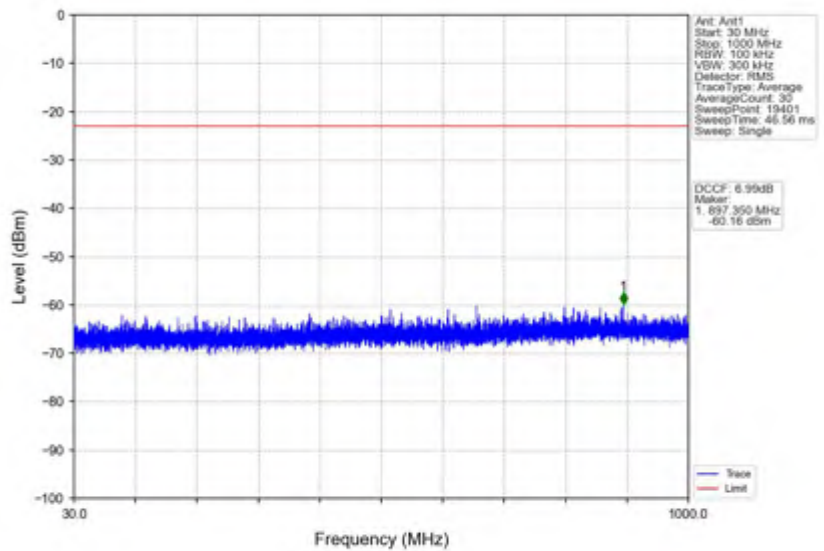




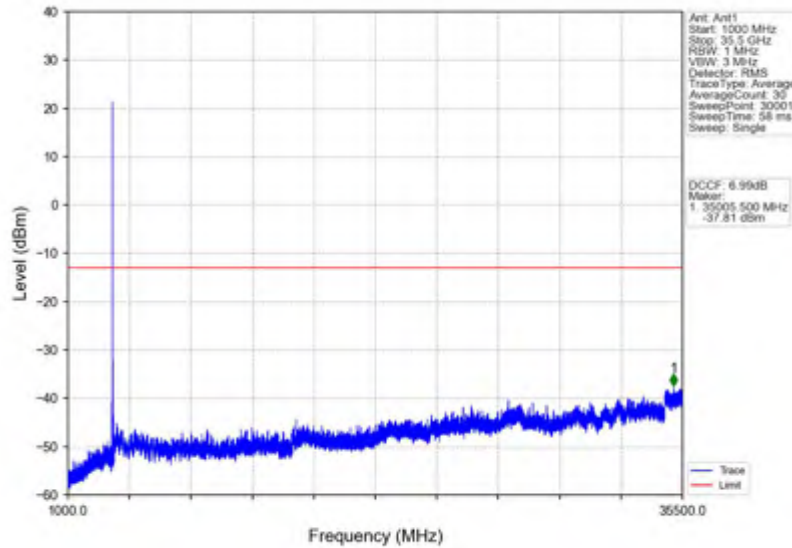
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3500.01MHz_Edge_1RB_Left



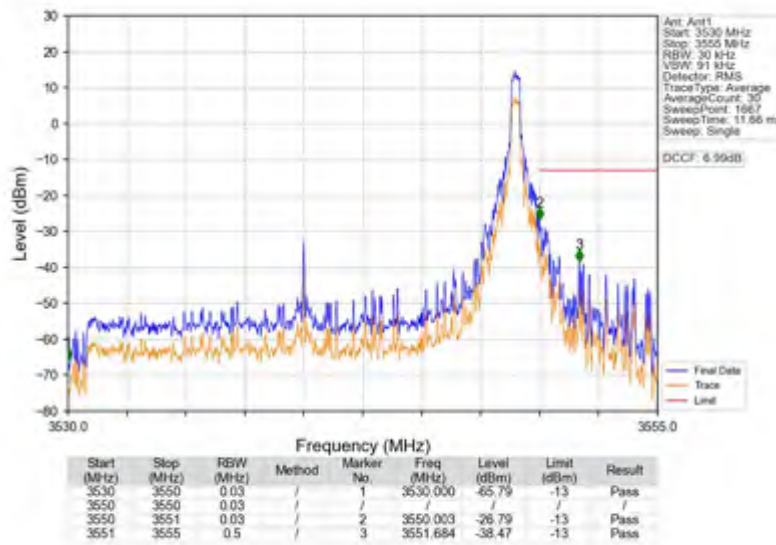
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3500.01MHz_Edge_1RB_Left



n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left

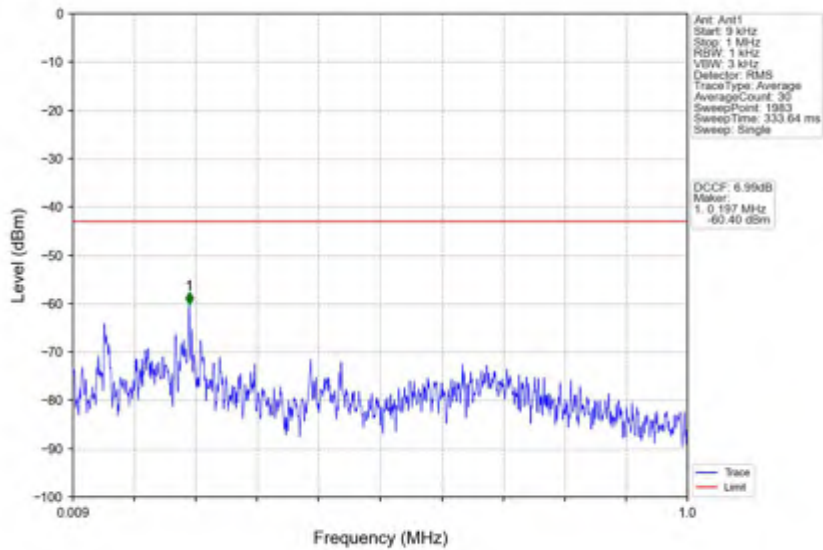


n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Edge_1RB_Right

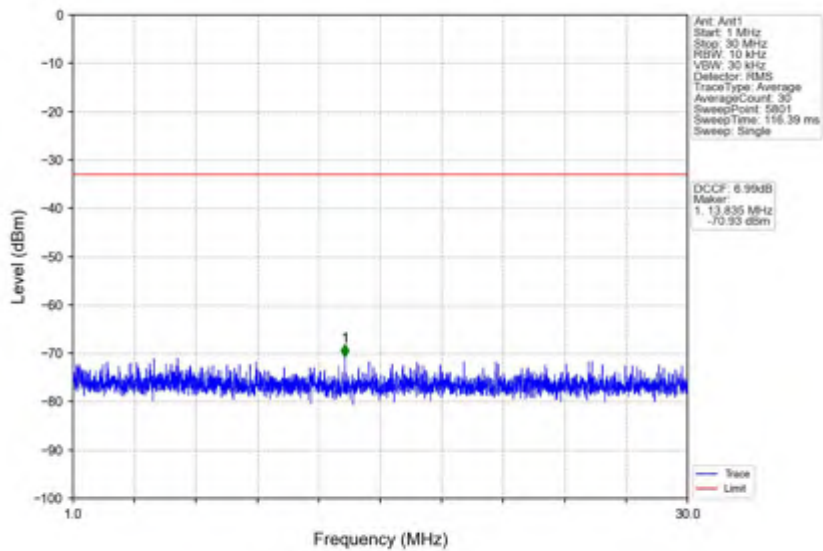




n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM QPSK 3540MHz_Edge_1RB_Right

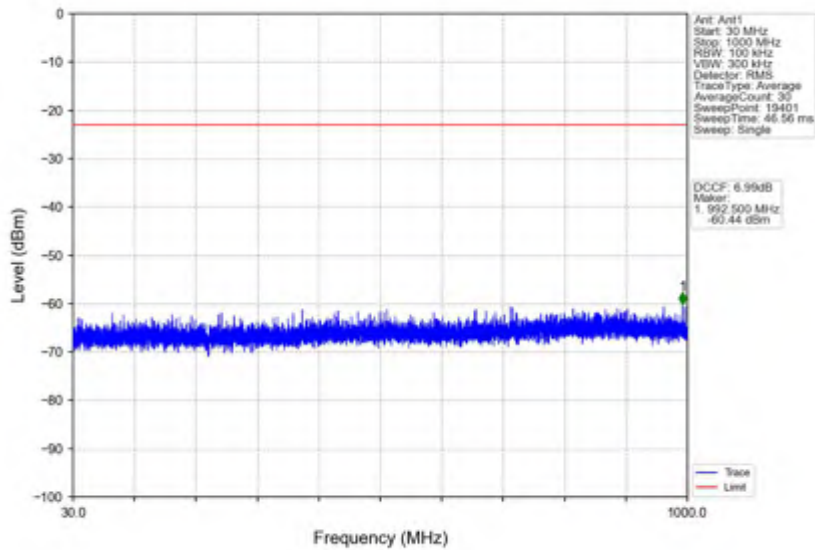


n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM QPSK 3540MHz_Edge_1RB_Right

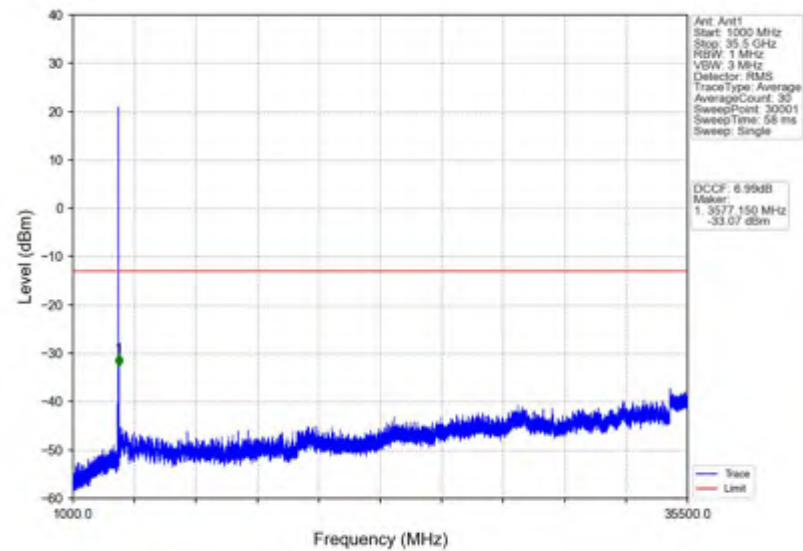




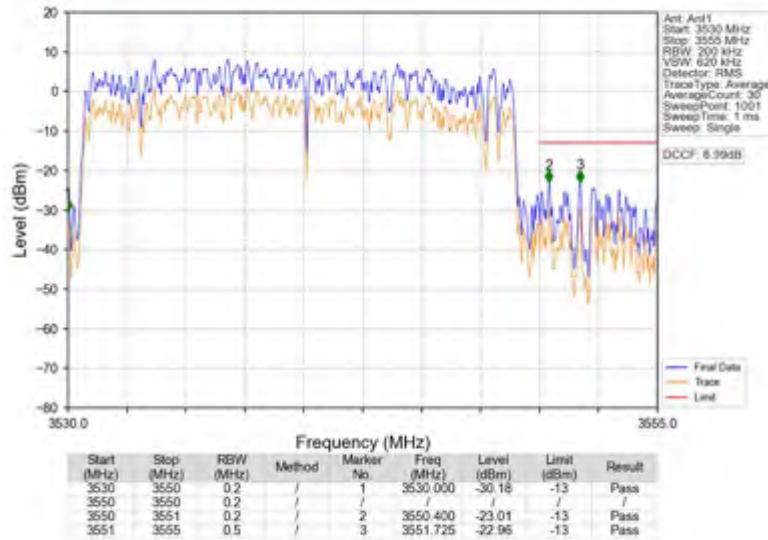
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM QPSK 3540MHz_Edge_1RB_Right



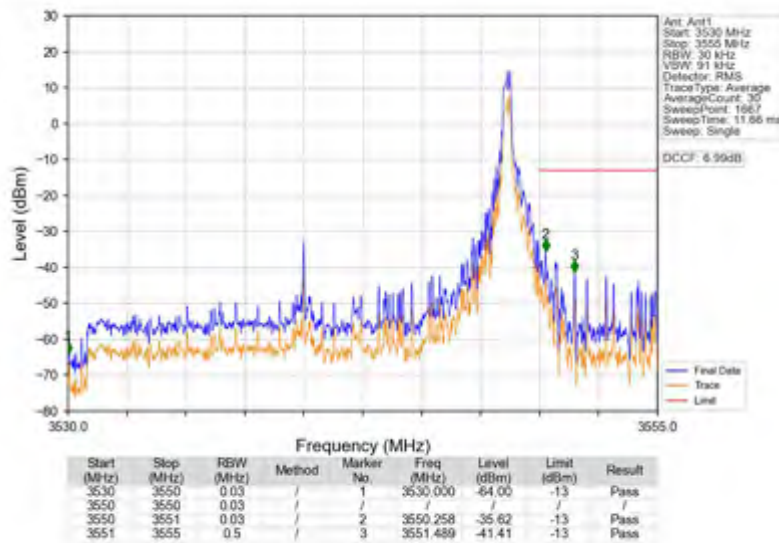
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM QPSK 3540MHz_Edge_1RB_Right



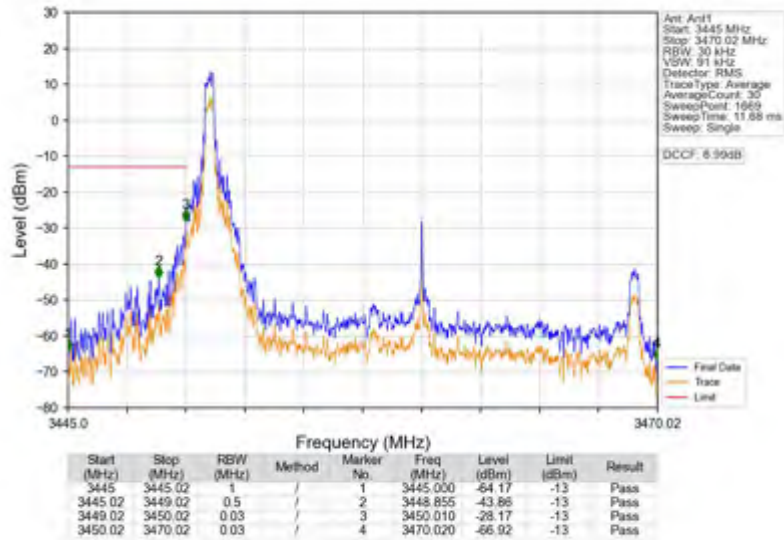
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3540MHz_Outer_Full



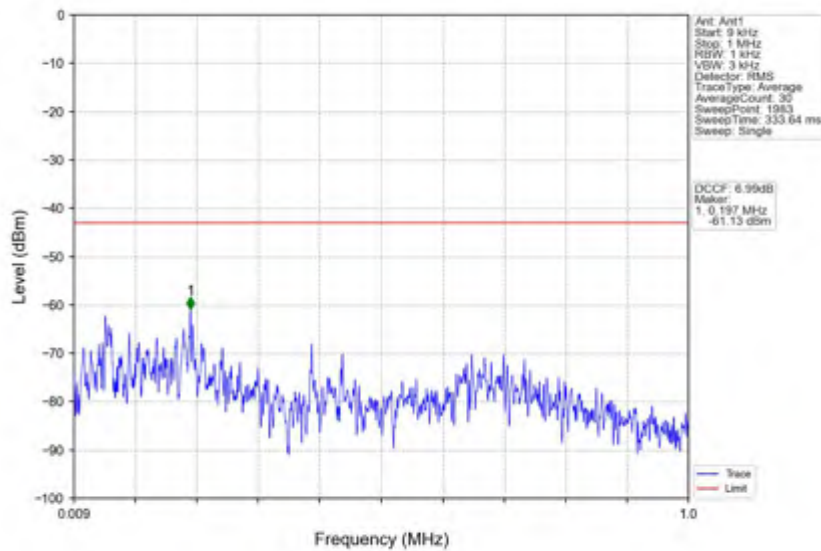
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3540MHz_Inner_1RB_Right



n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left

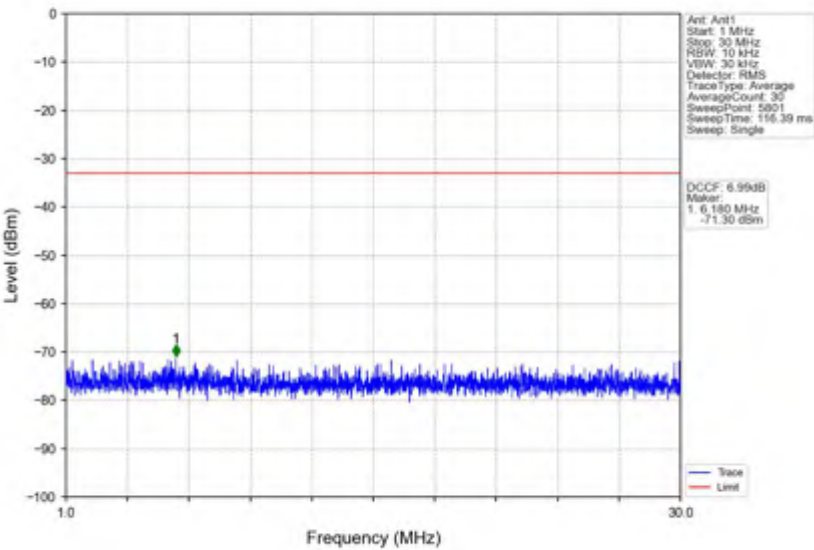


n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left

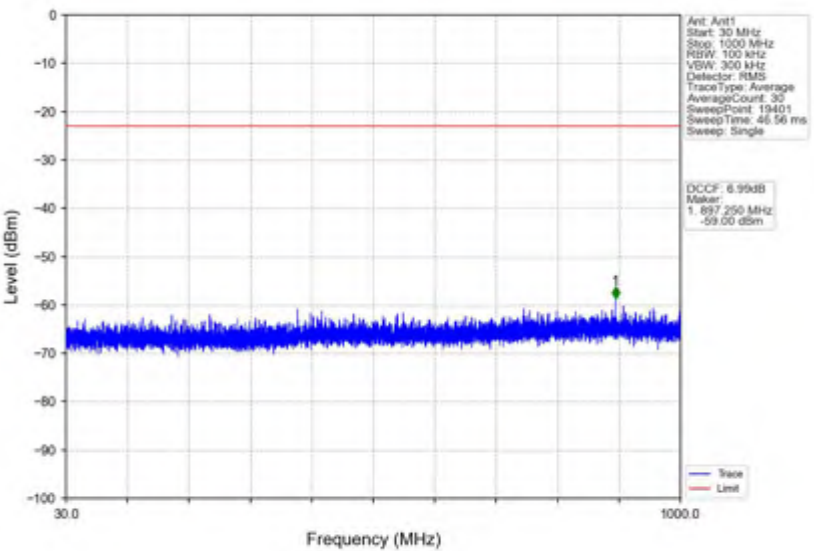




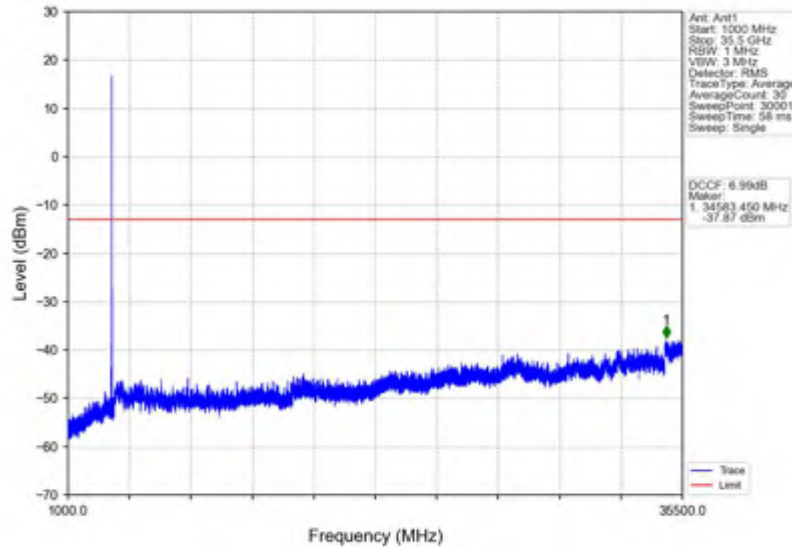
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



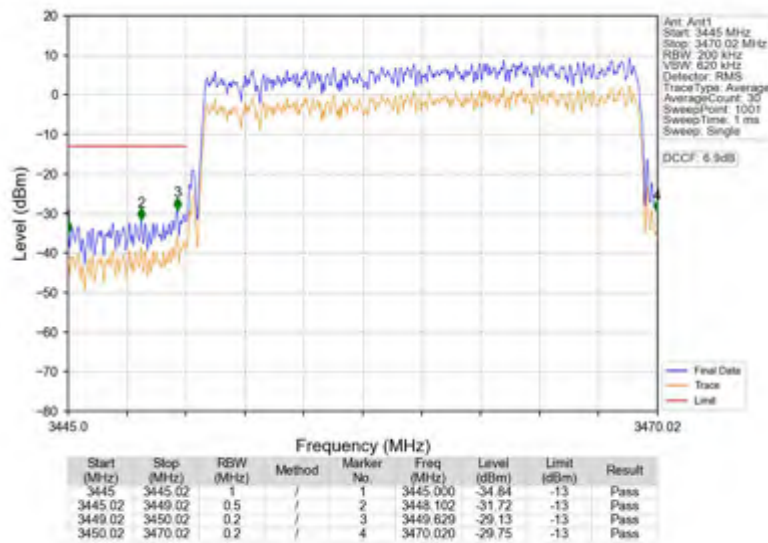
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



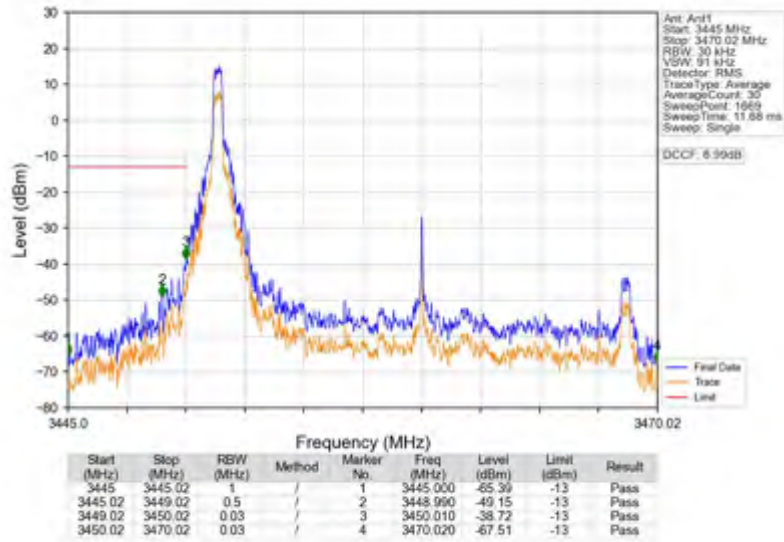
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



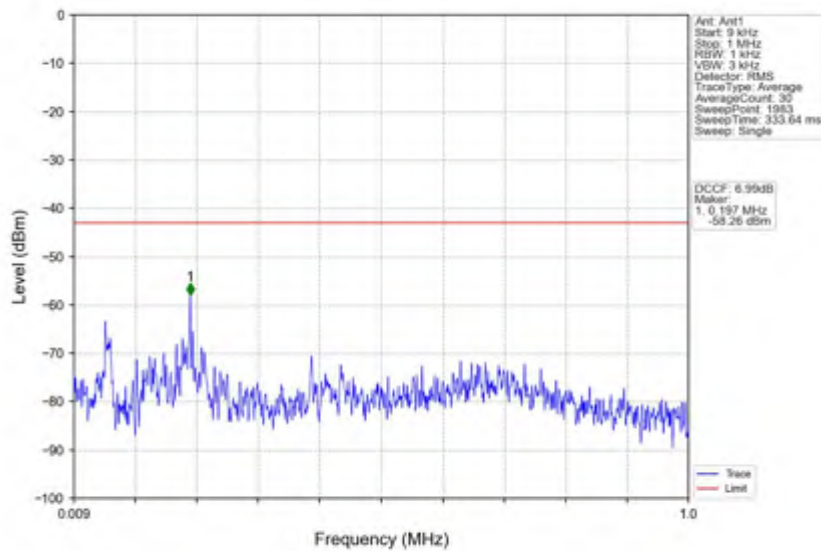
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Outer_Full



n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Inner_1RB_Left

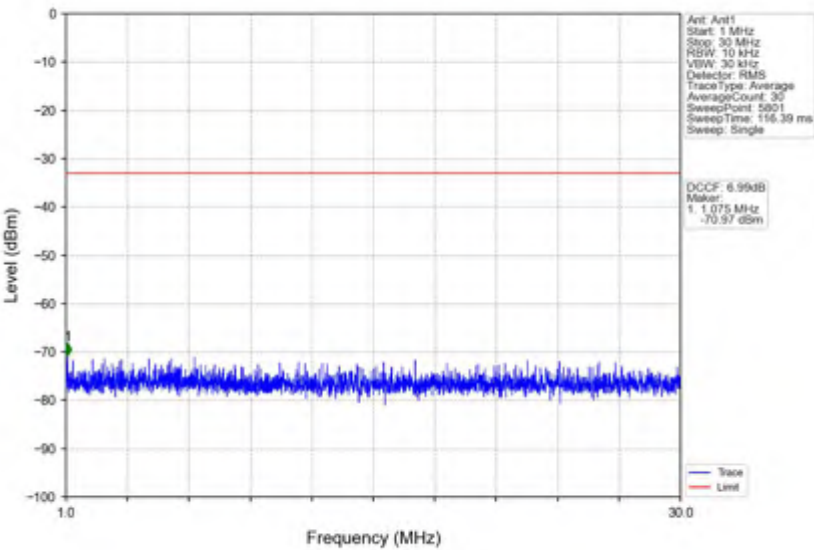


n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left

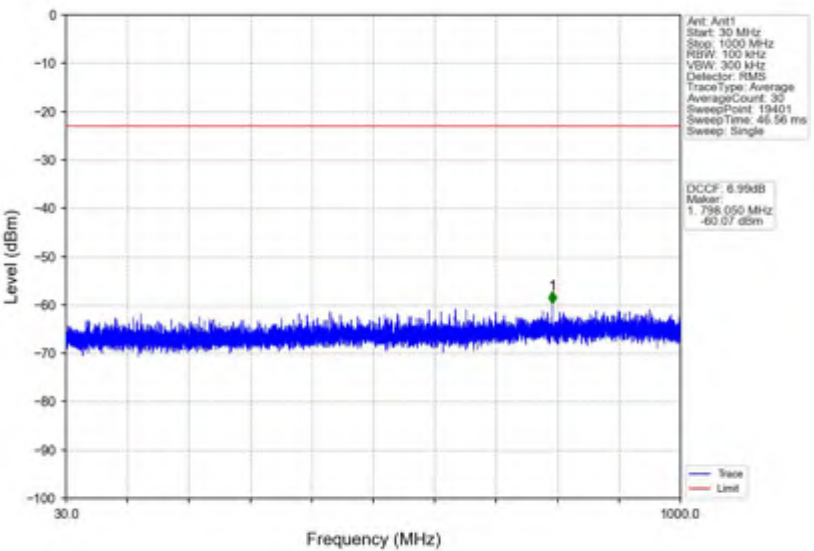




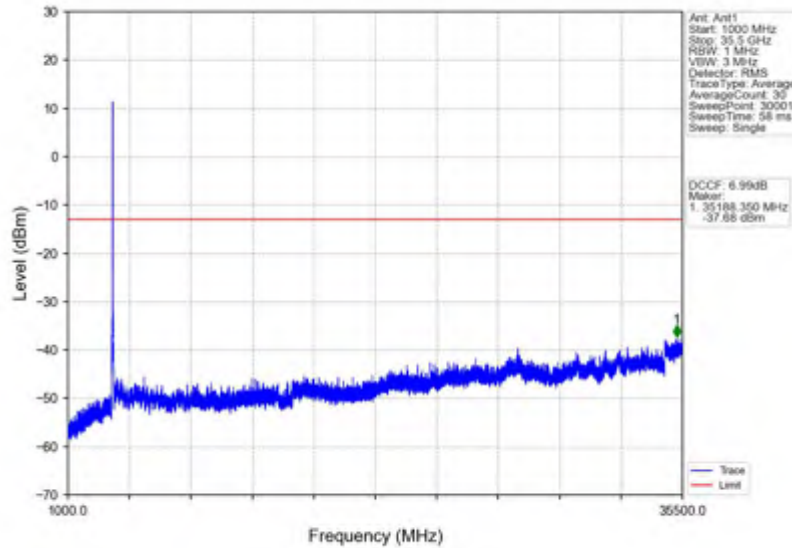
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



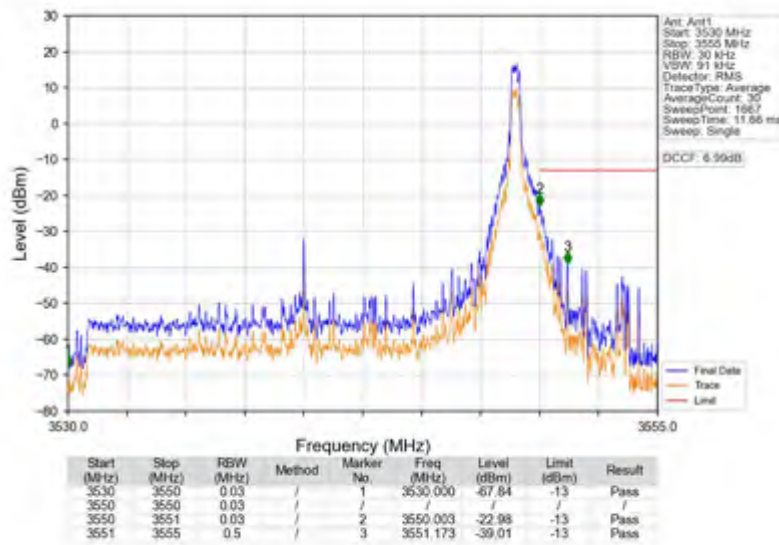
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left

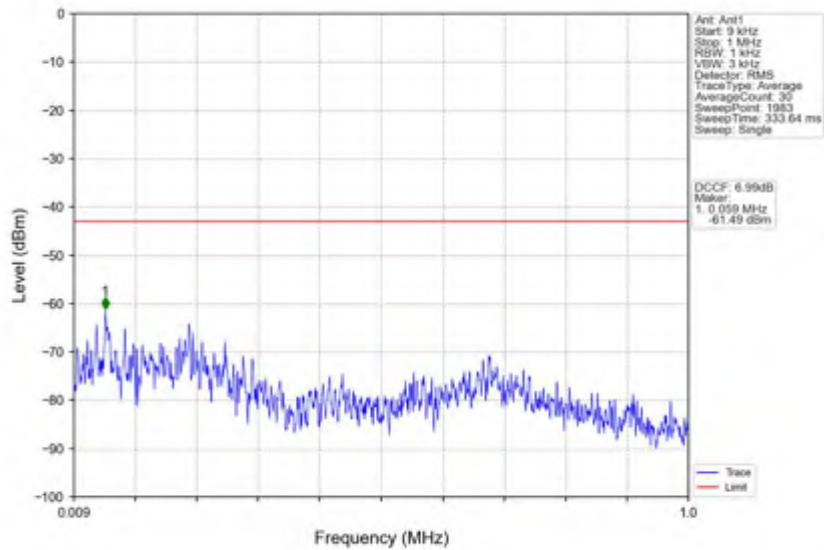


n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right

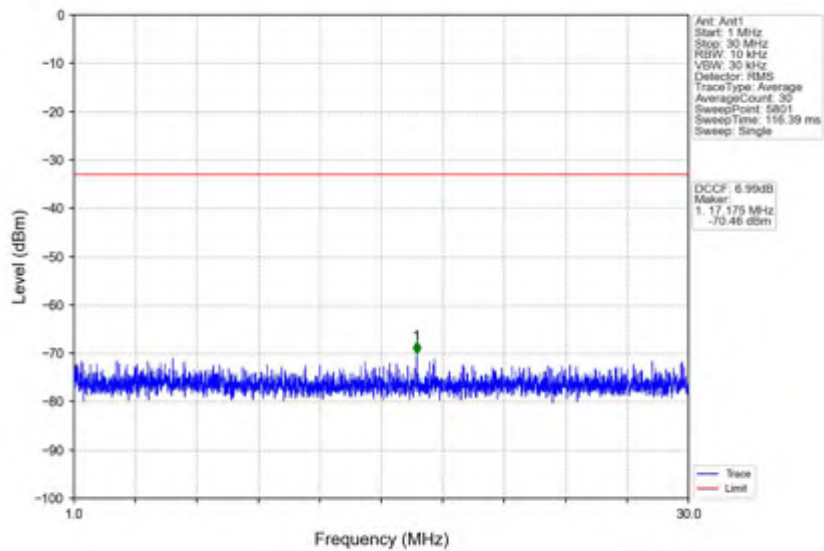




n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_CP-OFDM QPSK 3540MHz Edge_1RB Right

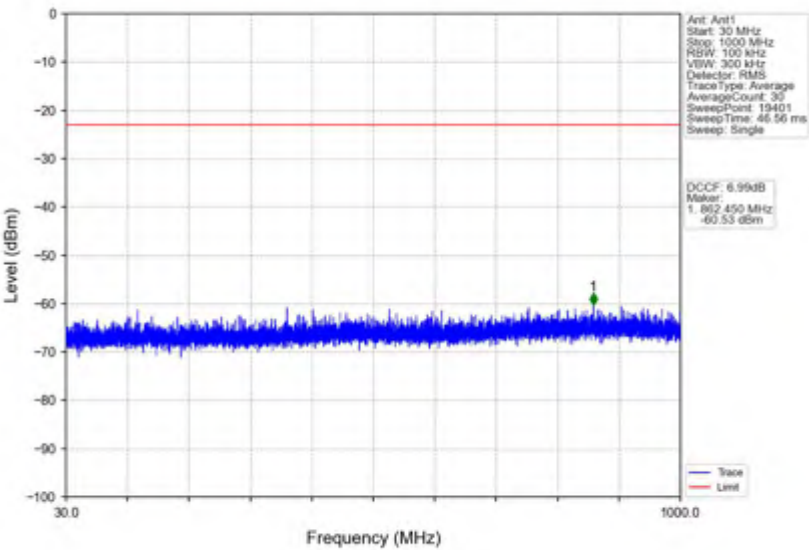


n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_CP-OFDM QPSK 3540MHz Edge_1RB Right

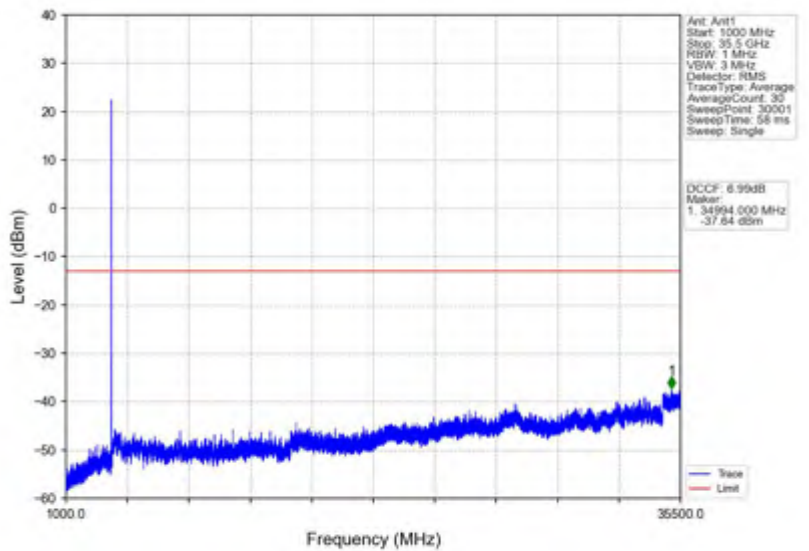




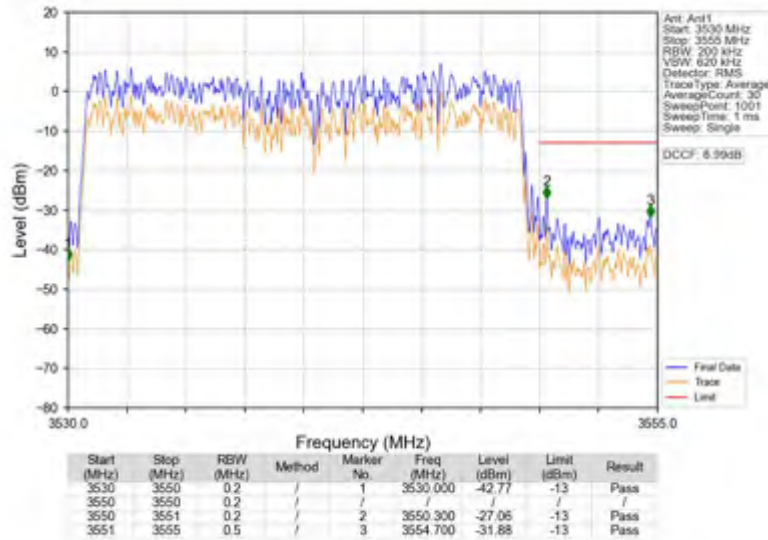
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_CP-OFDM QPSK 3540MHz Edge_1RB_Right



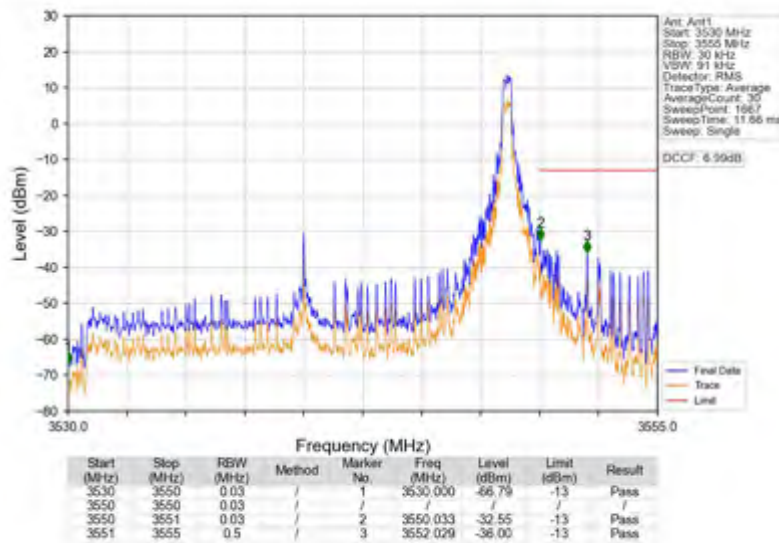
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_CP-OFDM QPSK 3540MHz Edge_1RB_Right



n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3540MHz Outer Full



n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3540MHz Inner_1RB_Right





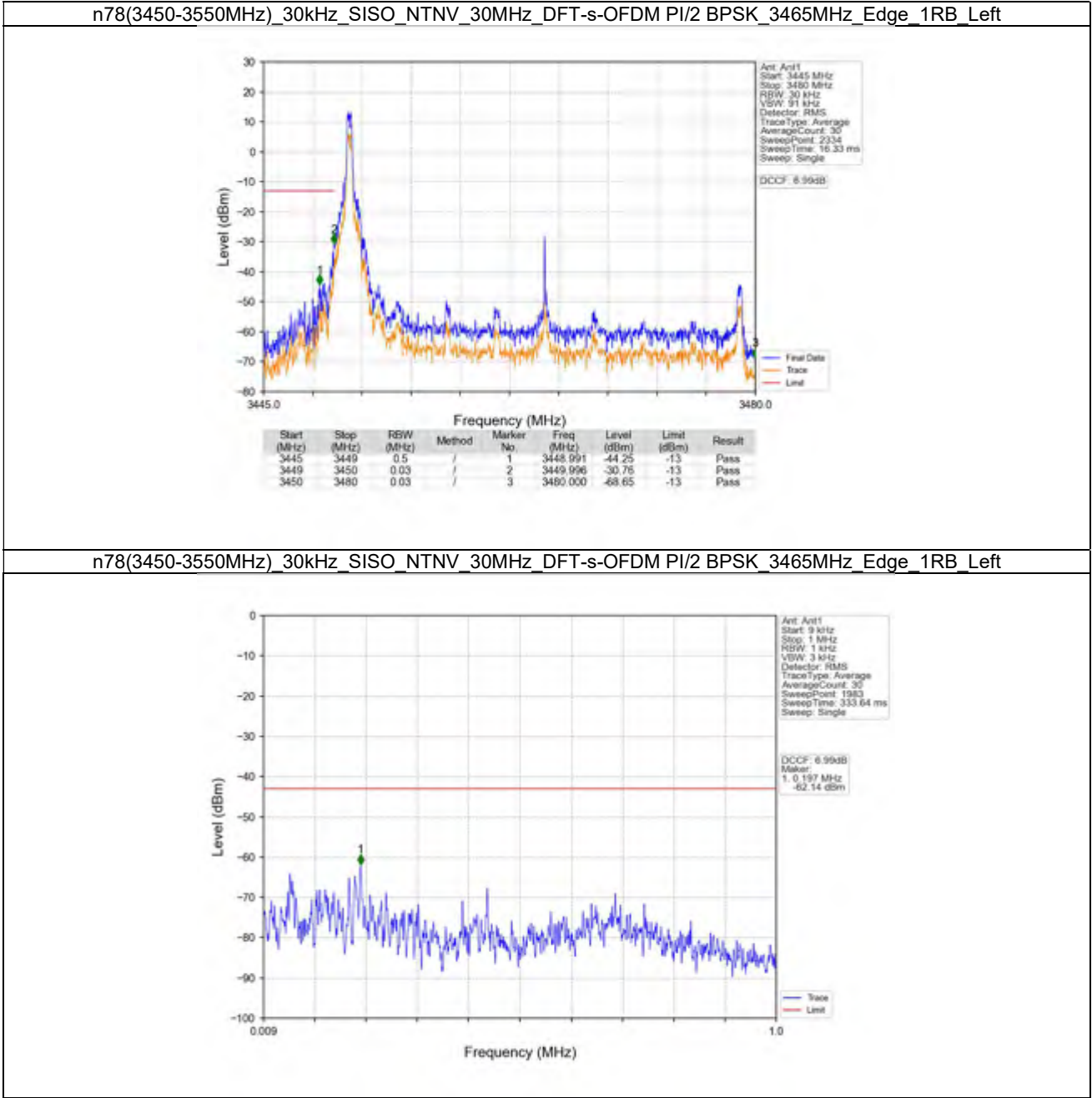
5.2 30k_SISO_30MHz_NTNV

5.2.1 Test Result

5G NR n78(3450-3550MHz) SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			
			Ant1	Ant2	Sum	Limit
DFT-s-OFDM PI/2 BPSK	3465	Edge_1RB_Left	Refer To Test Graph			
		Outer_Full	Refer To Test Graph			
		Inner_1RB_Left	Refer To Test Graph			
	3500.01	Edge_1RB_Left	Refer To Test Graph			
		Edge_1RB_Right	Refer To Test Graph			
		Outer_Full	Refer To Test Graph			
DFT-s-OFDM QPSK	3465	Edge_1RB_Left	Refer To Test Graph			
		Outer_Full	Refer To Test Graph			
		Inner_1RB_Left	Refer To Test Graph			
	3500.01	Edge_1RB_Left	Refer To Test Graph			
		Edge_1RB_Right	Refer To Test Graph			
		Outer_Full	Refer To Test Graph			
CP-OFDM QPSK	3465	Edge_1RB_Left	Refer To Test Graph			
		Outer_Full	Refer To Test Graph			
		Inner_1RB_Left	Refer To Test Graph			
	3500.01	Edge_1RB_Left	Refer To Test Graph			
		Edge_1RB_Right	Refer To Test Graph			
		Outer_Full	Refer To Test Graph			
	3534.99	Outer_Full	Refer To Test Graph			
		Inner_1RB_Right	Refer To Test Graph			
		Inner_1RB_Right	Refer To Test Graph			

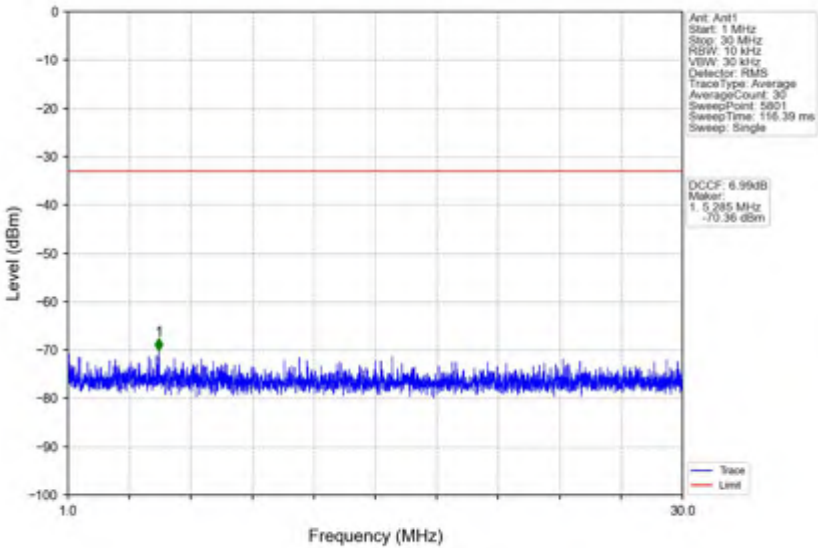


5.2.2 Test Graph

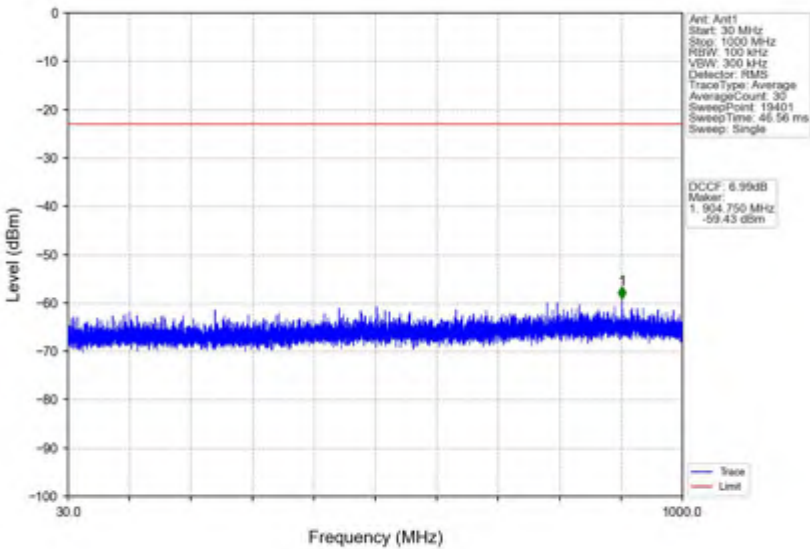




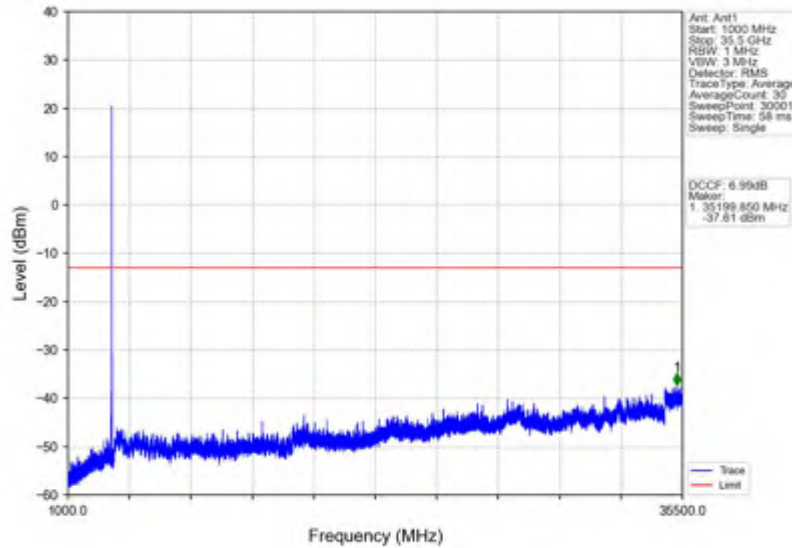
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Edge_1RB_Left



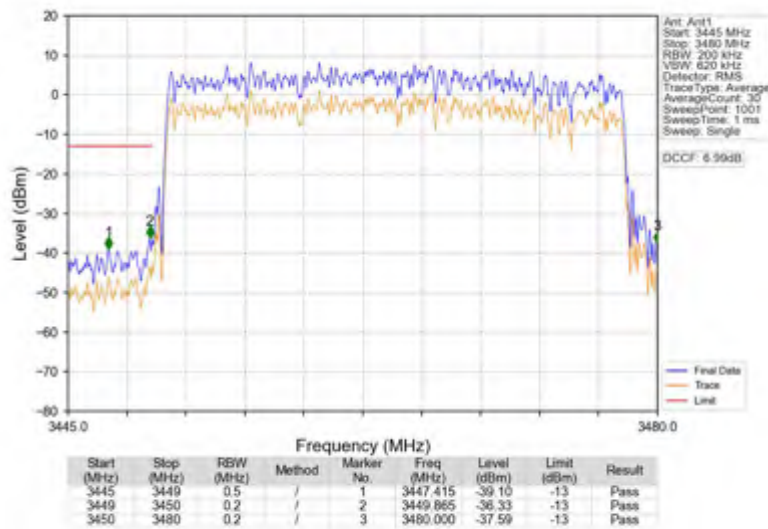
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Edge_1RB_Left



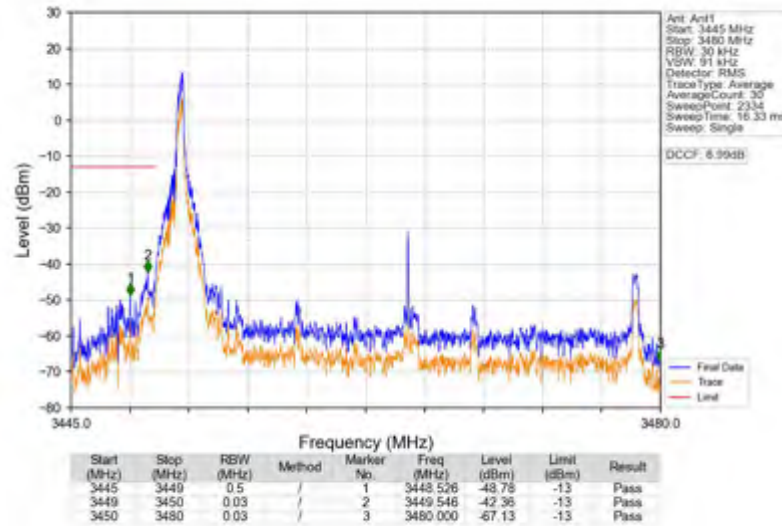
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Edge_1RB_Left



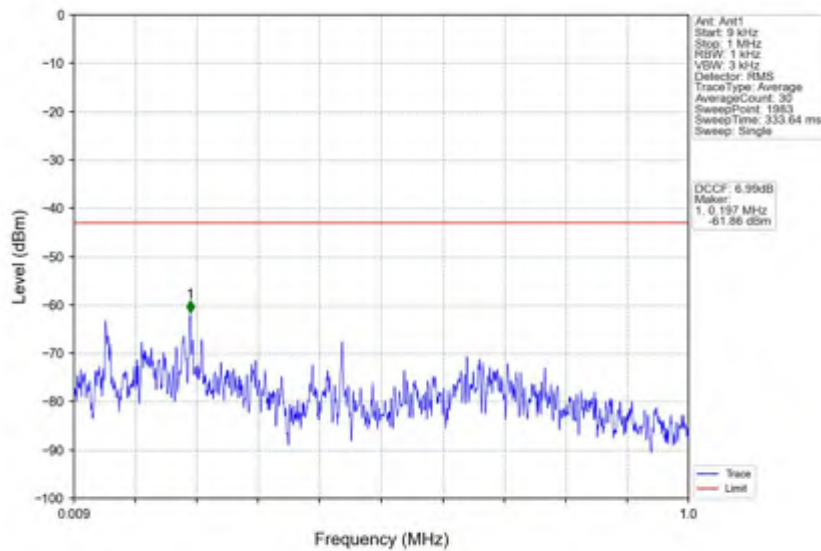
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Outer_Full



n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK 3465MHz_Inner 1RB_Left

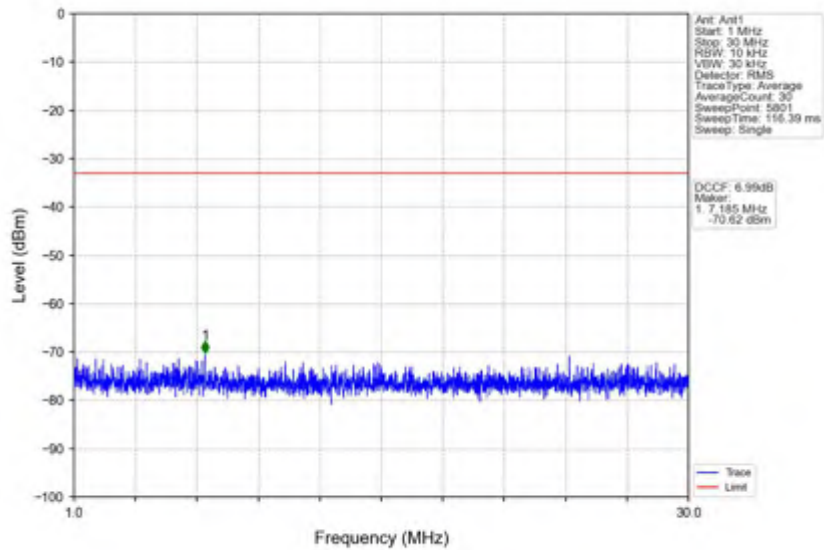


n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left

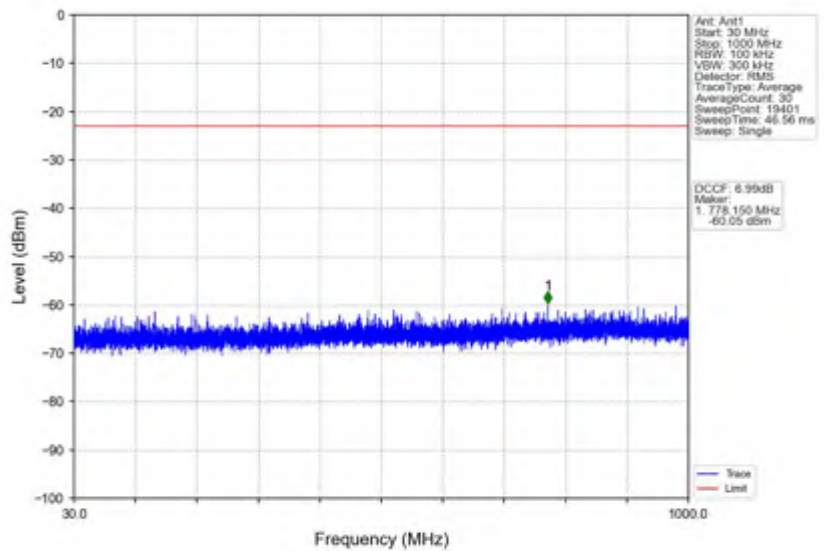




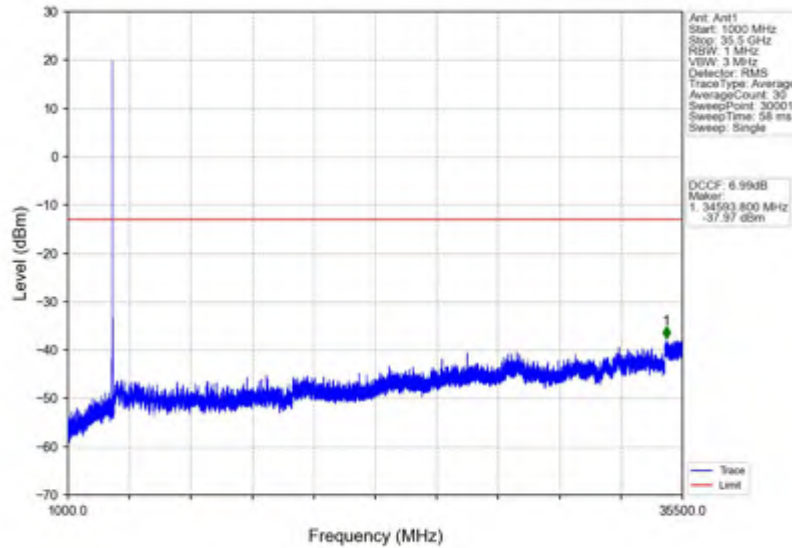
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



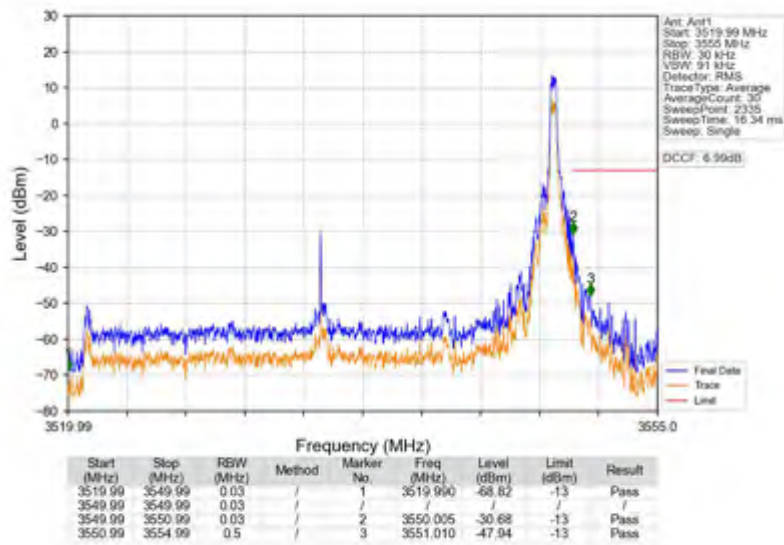
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



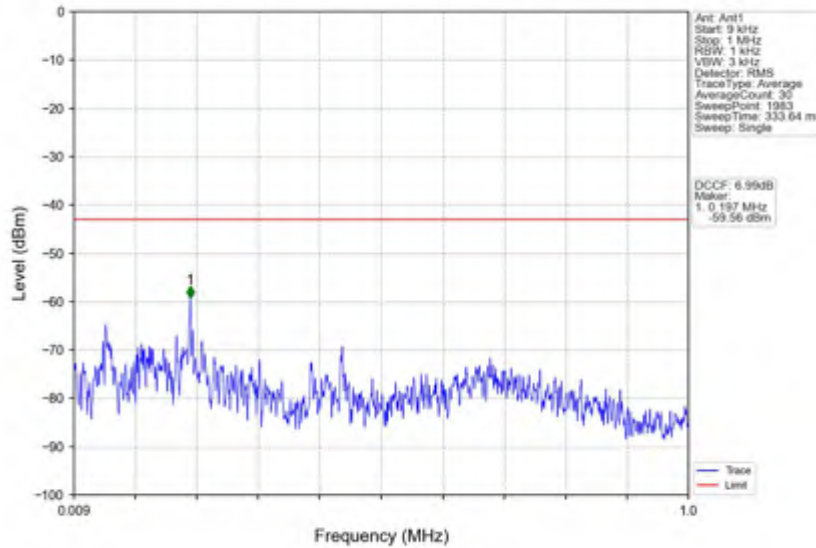
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK 3500.01MHz_Edge_1RB_Left



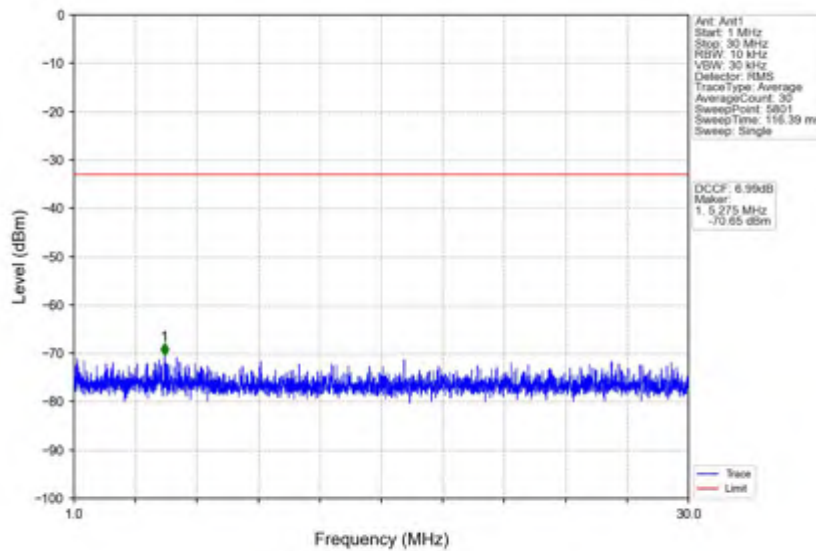
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Edge_1RB_Right



n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Edge_1RB_Right

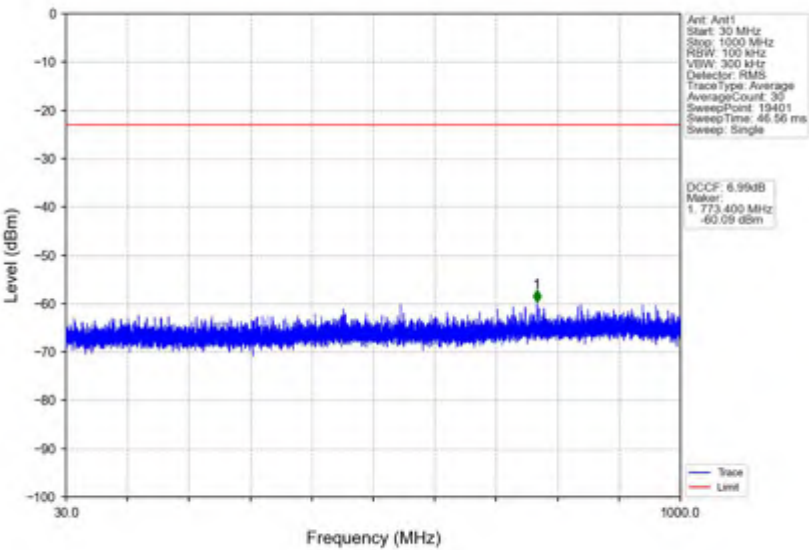


n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Edge_1RB_Right

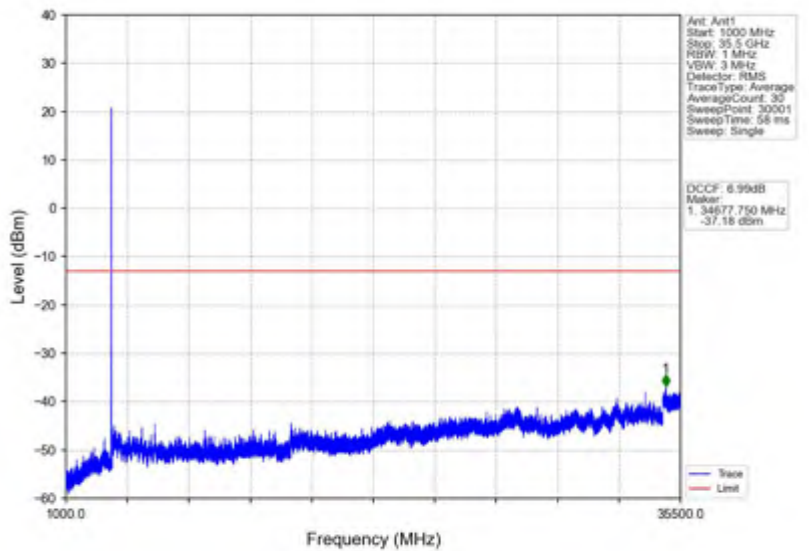




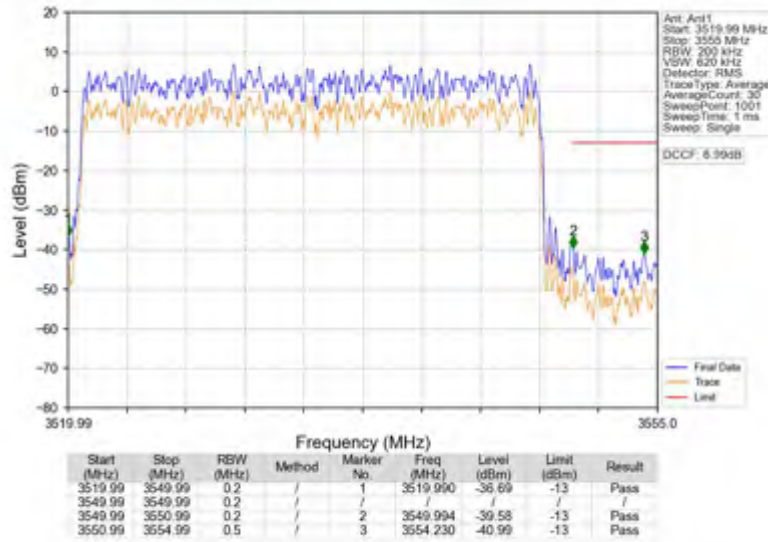
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Edge_1RB_Right



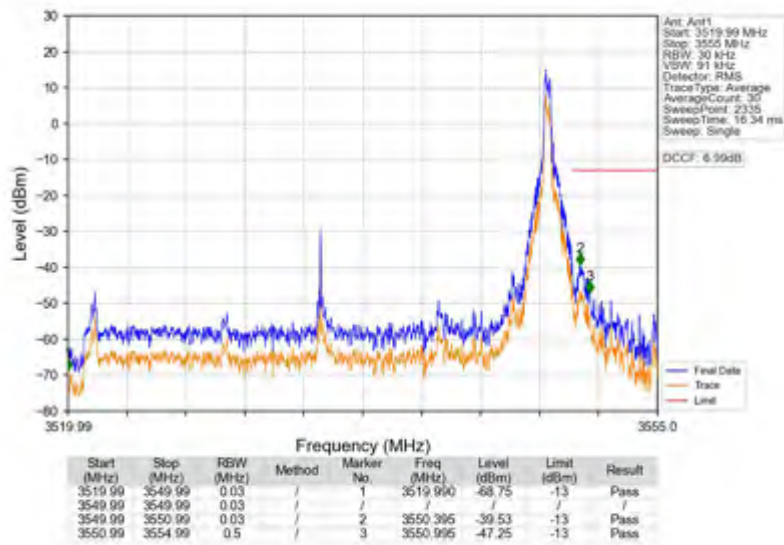
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Edge_1RB_Right



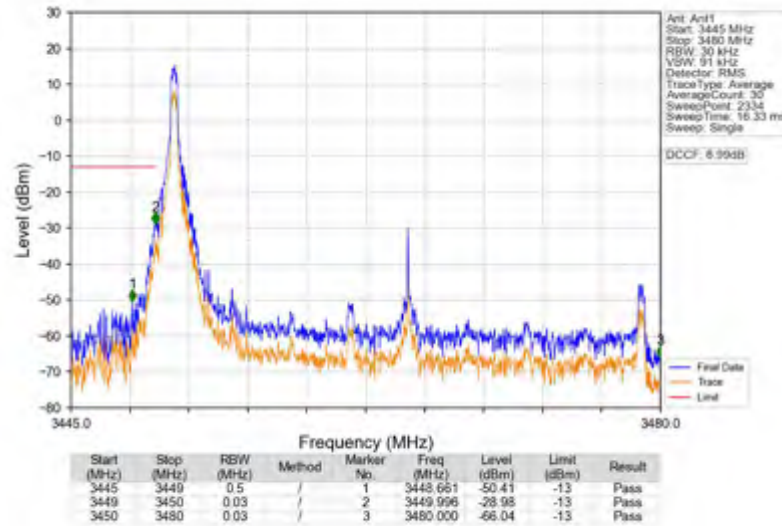
n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 3534.99MHz Outer Full



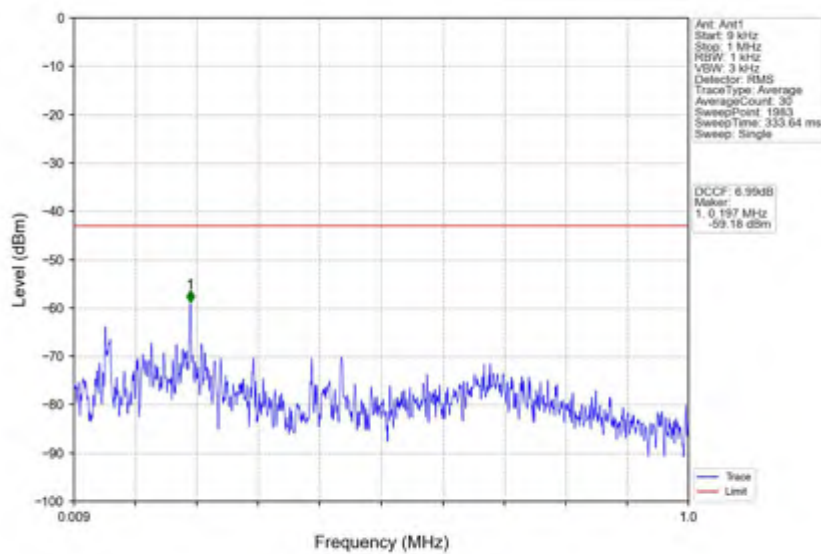
n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 3534.99MHz Inner_1RB_Right



n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left

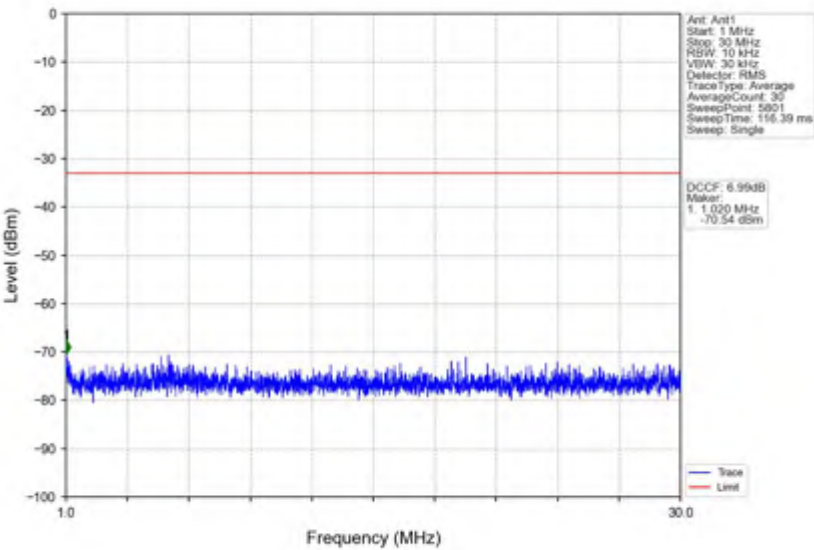


n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left

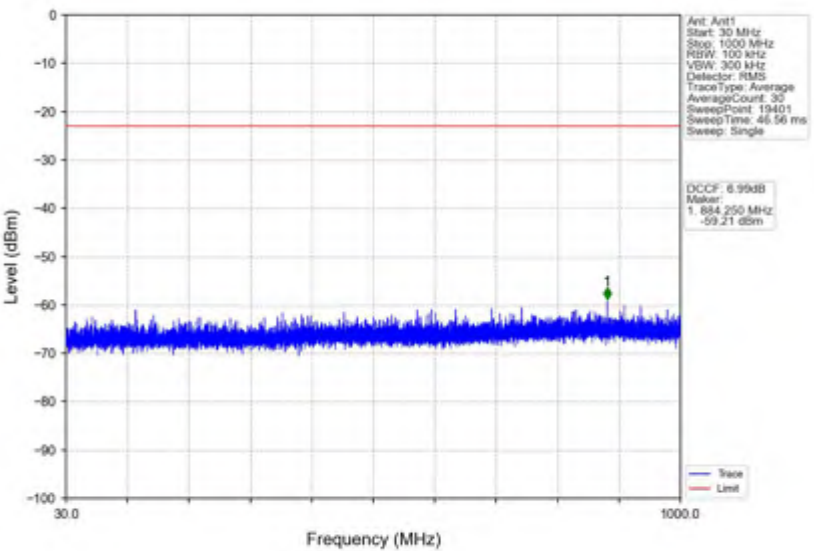




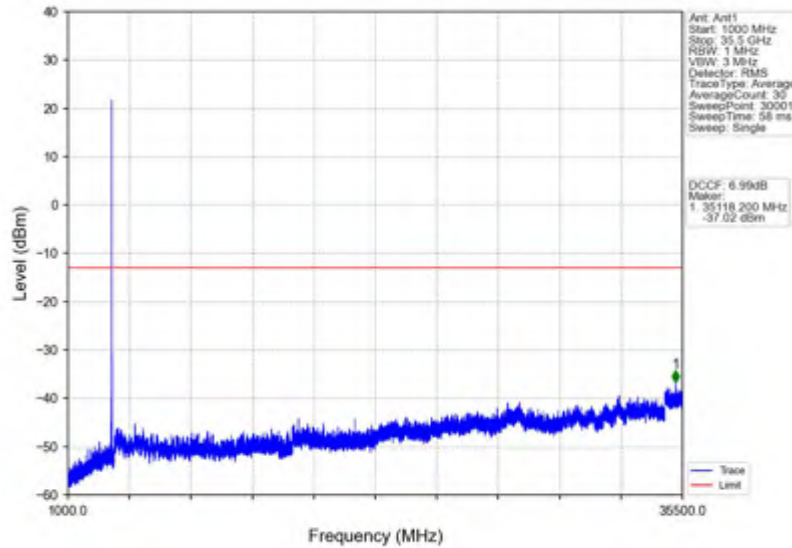
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



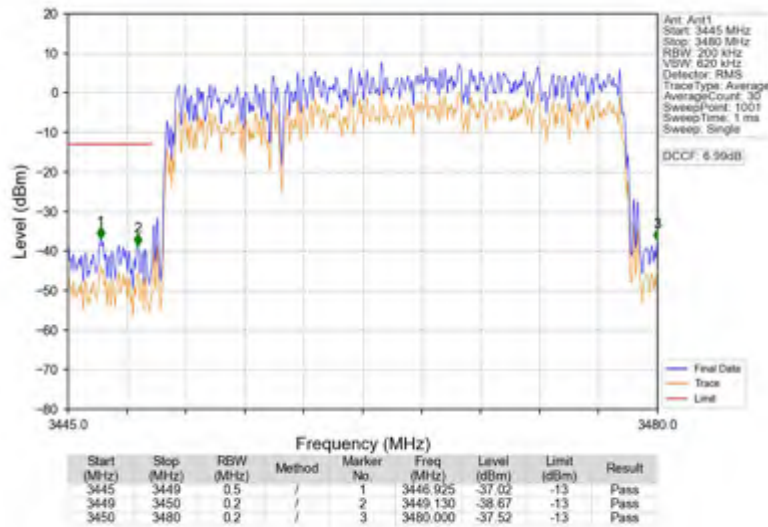
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



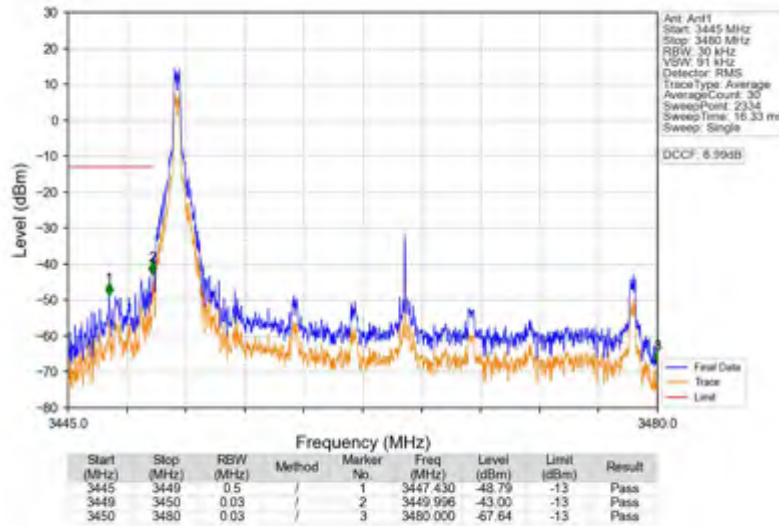
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



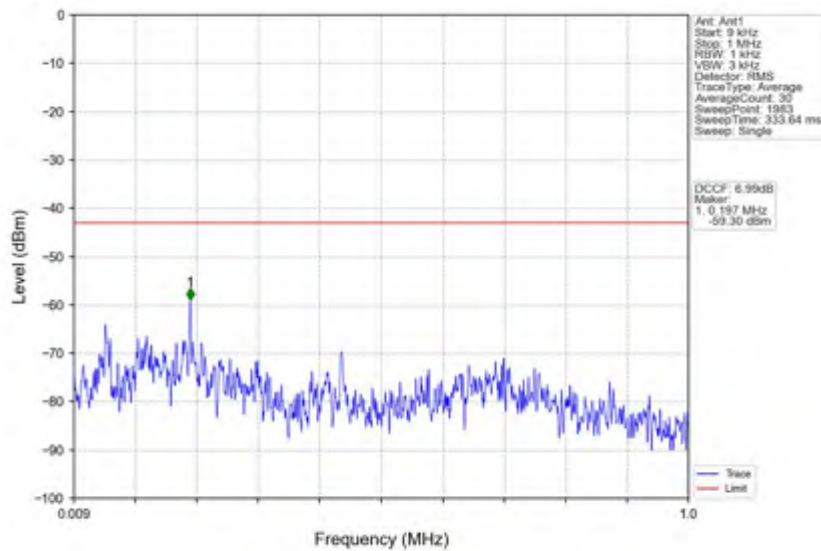
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Outer_Full



n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Inner_1RB_Left

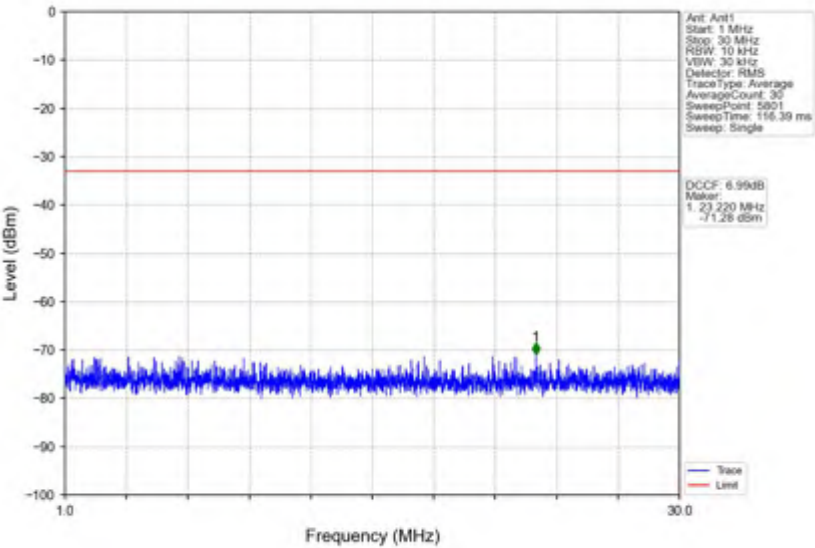


n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left

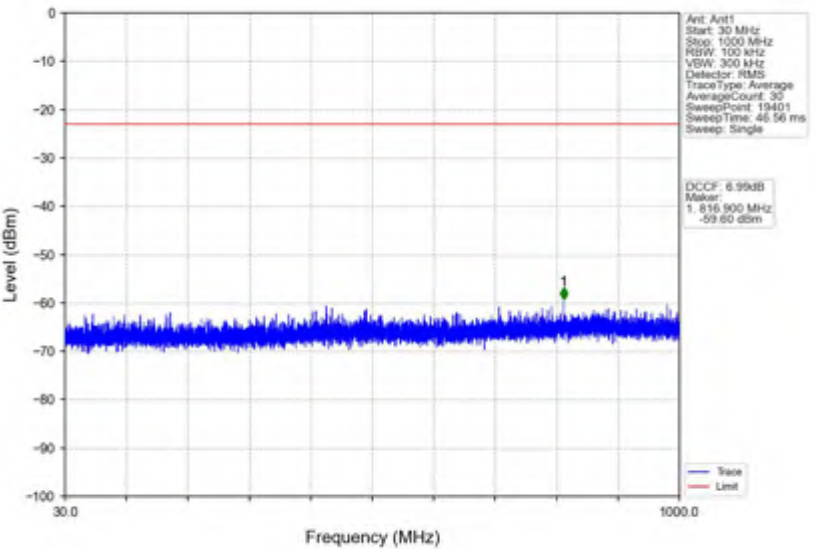




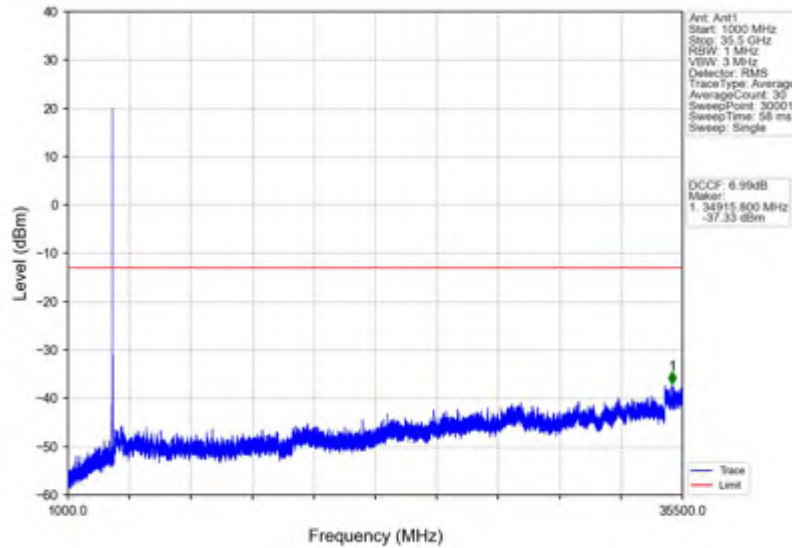
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3500.01MHz_Edge_1RB_Left



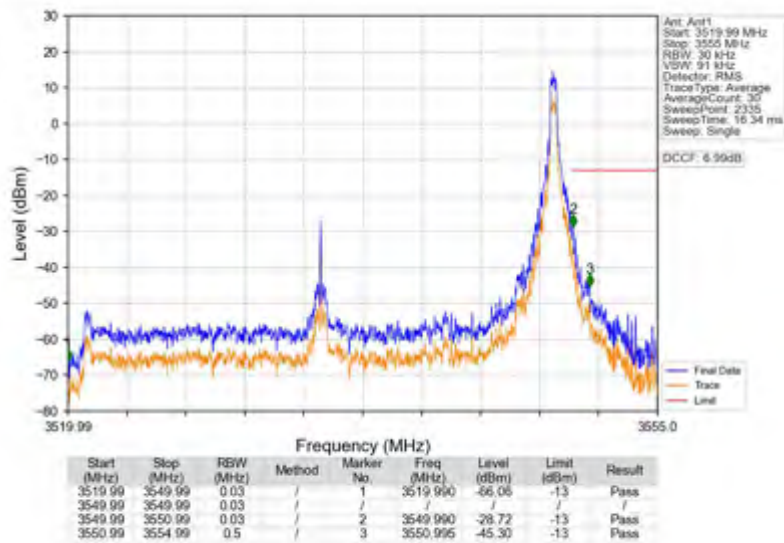
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3500.01MHz_Edge_1RB_Left



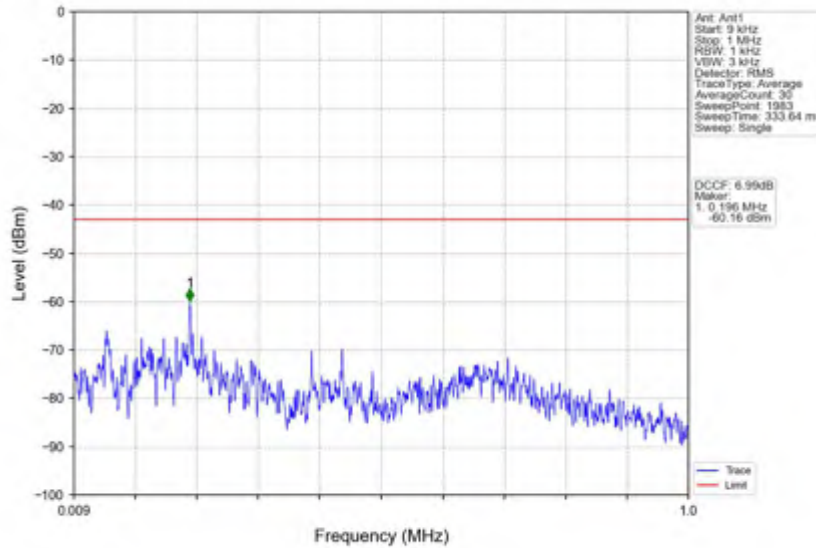
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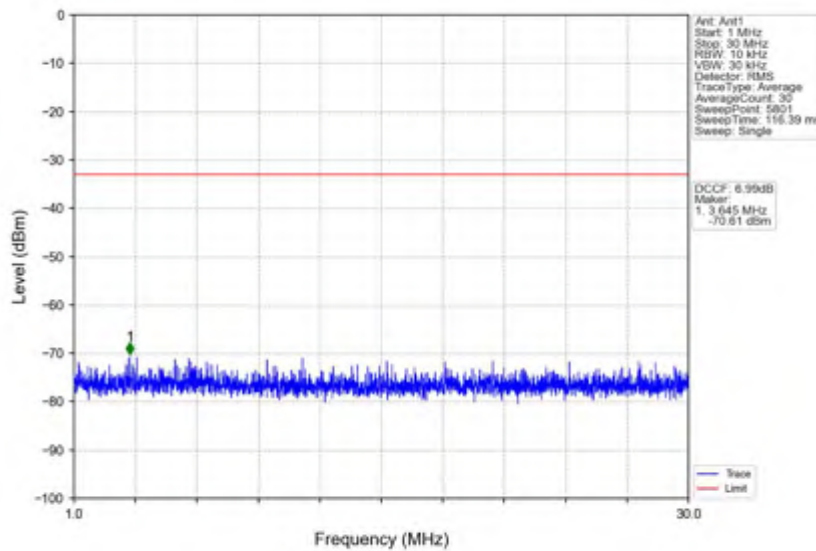
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3534.99MHz_Edge_1RB_Right



n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Edge_1RB_Right

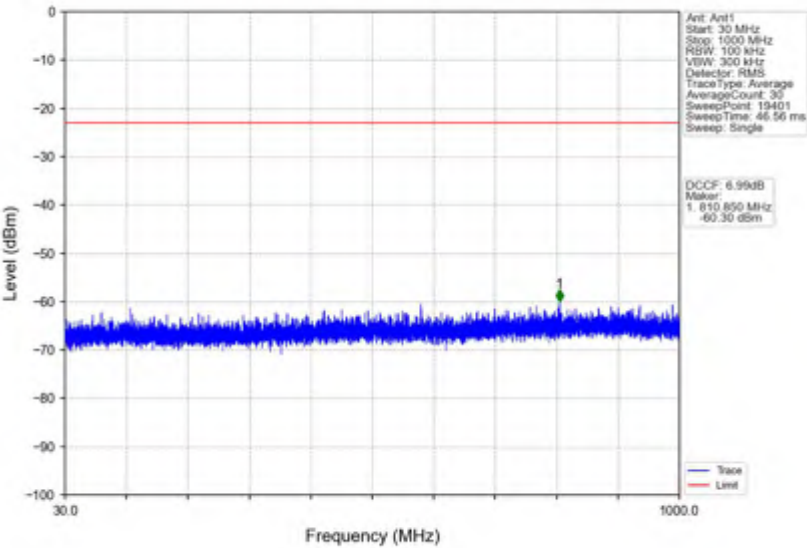


n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Edge_1RB_Right

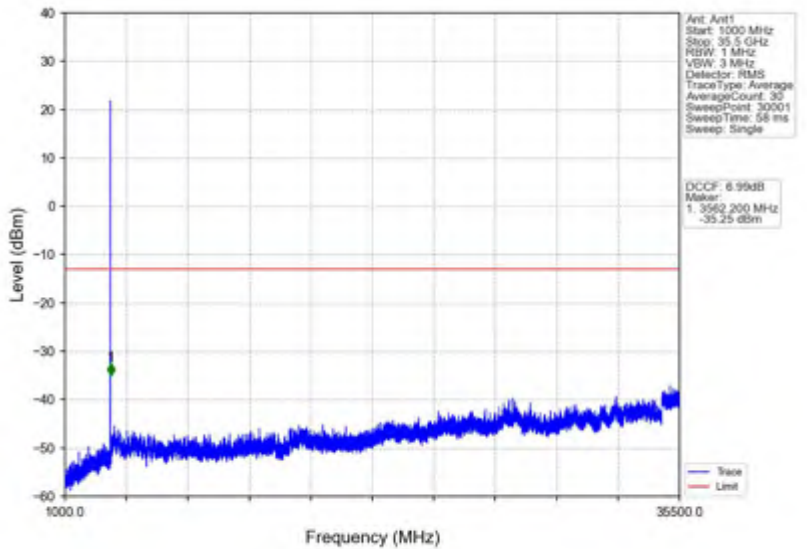




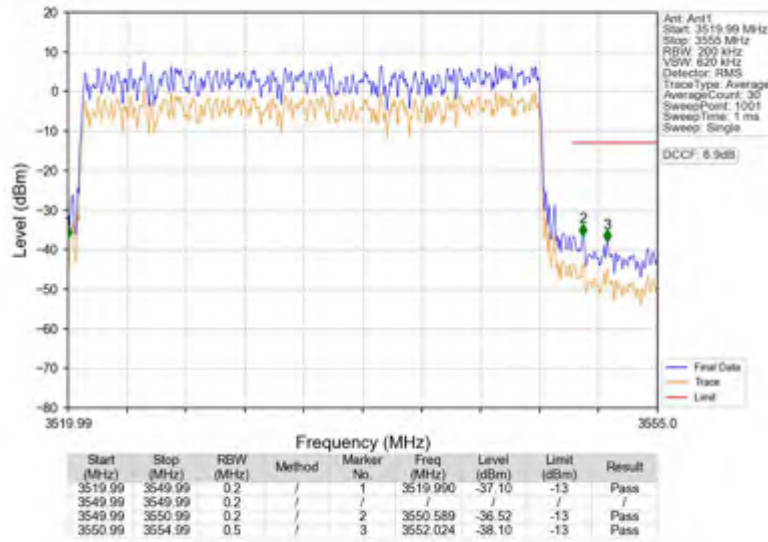
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Edge_1RB_Right



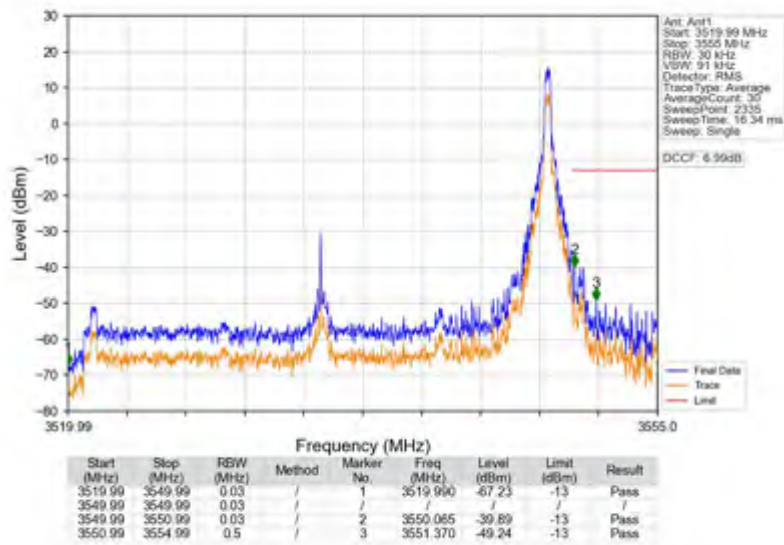
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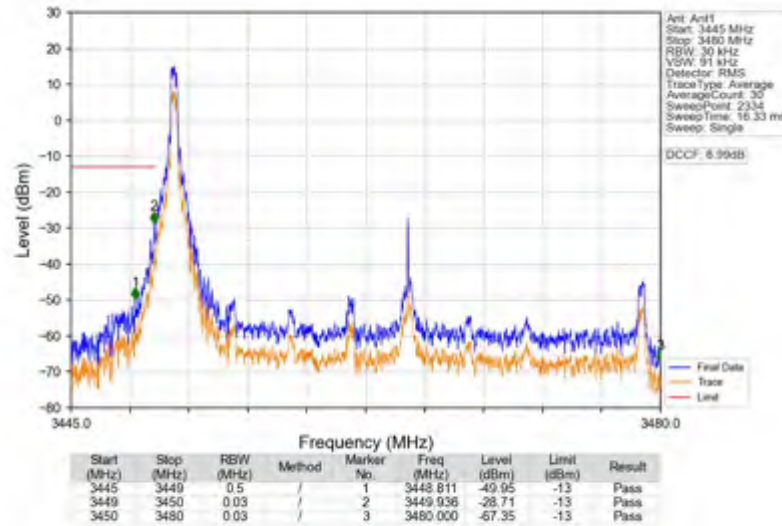
n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3534.99MHz Outer Full



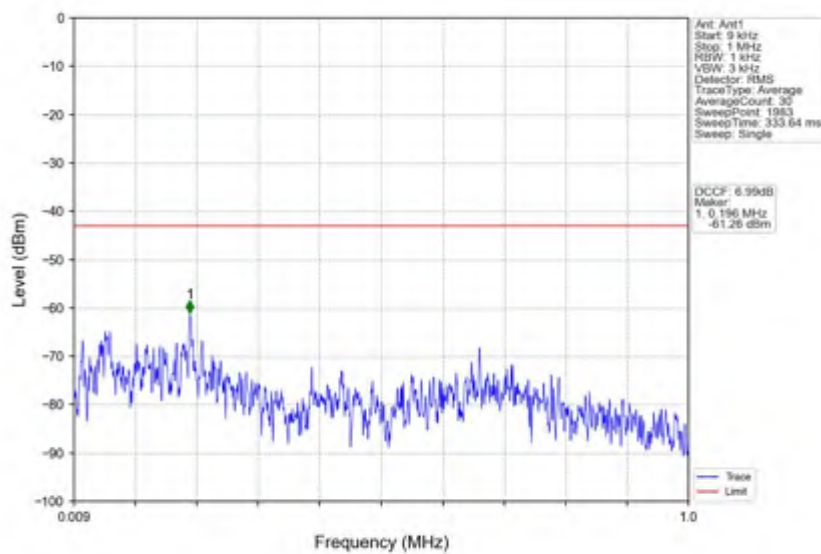
n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3534.99MHz Inner 1RB Right



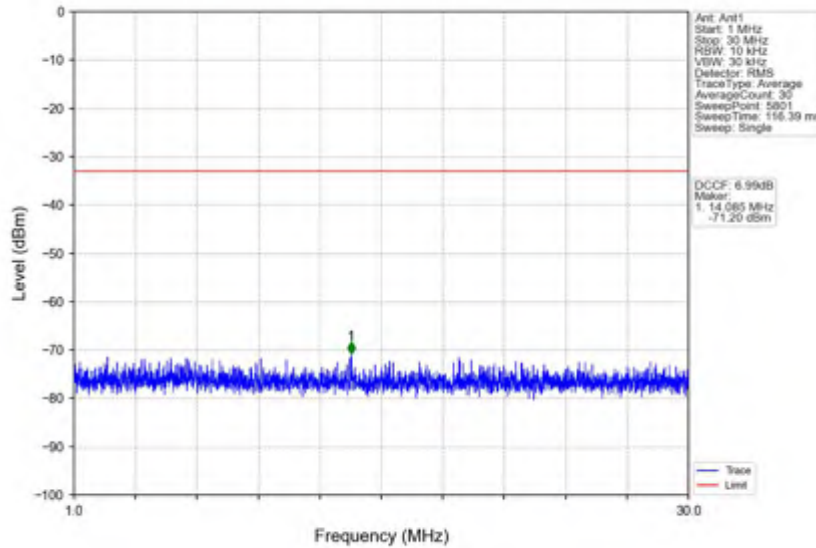
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3465MHz_Edge_1RB_Left



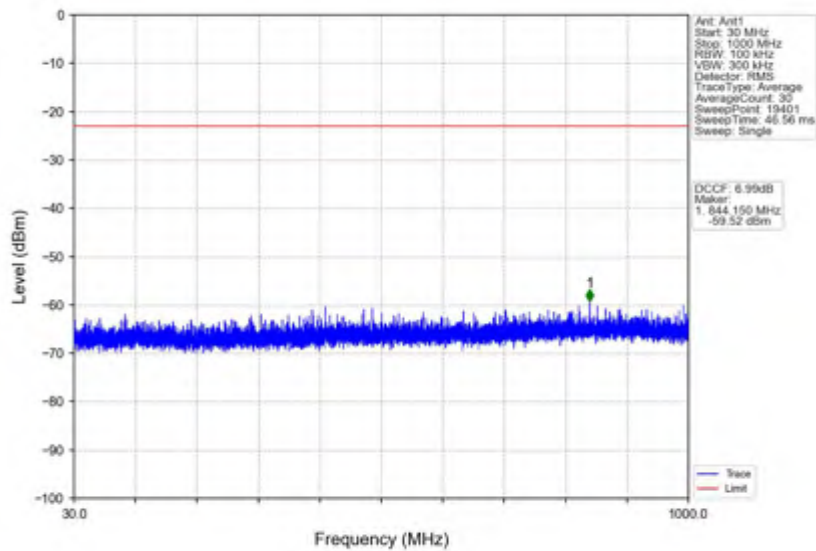
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3465MHz_Edge_1RB_Left



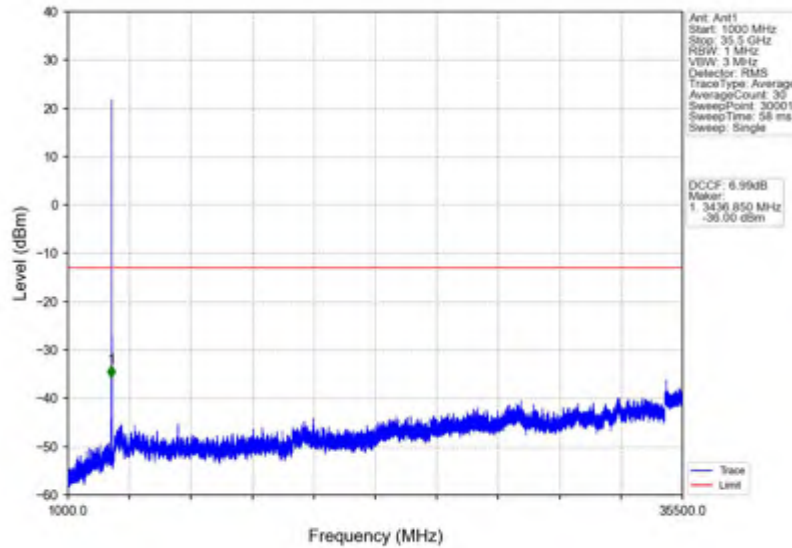
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3465MHz_Edge_1RB_Left



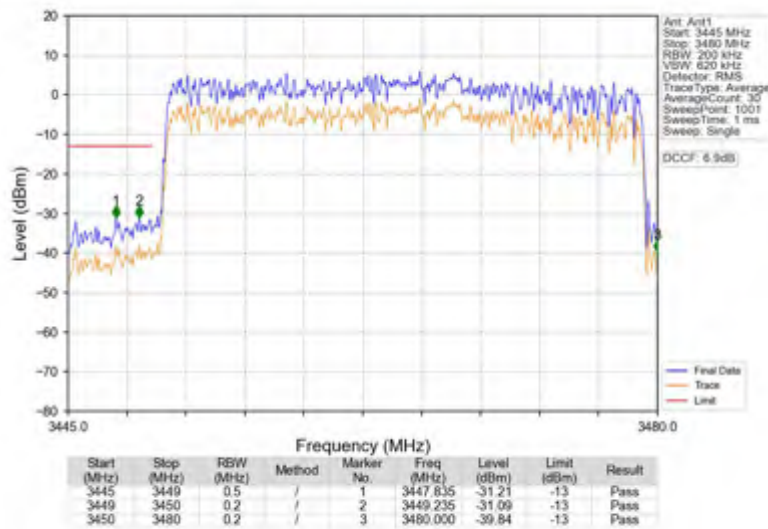
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3465MHz_Edge_1RB_Left



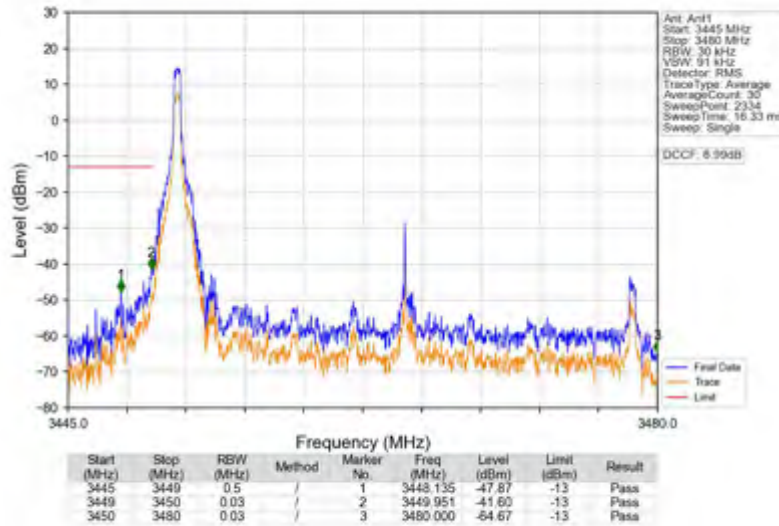
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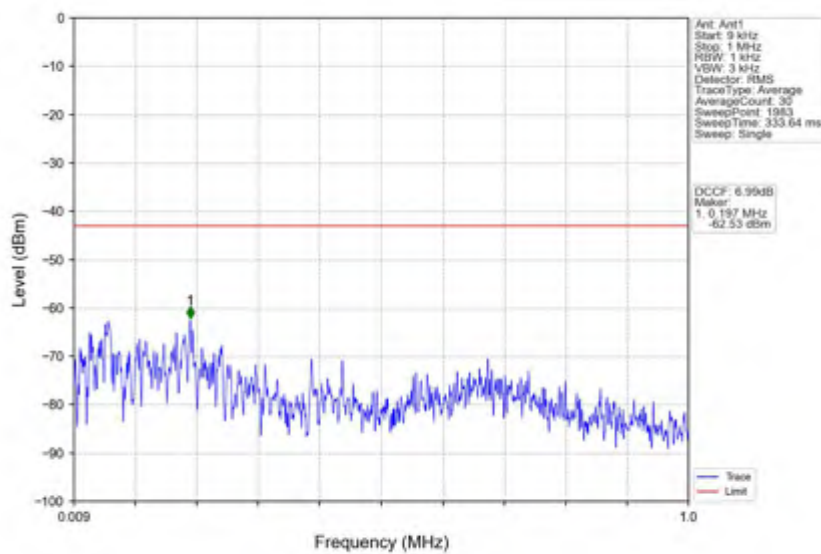
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Outer_Full



n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3465MHz_Inner_1RB_Left

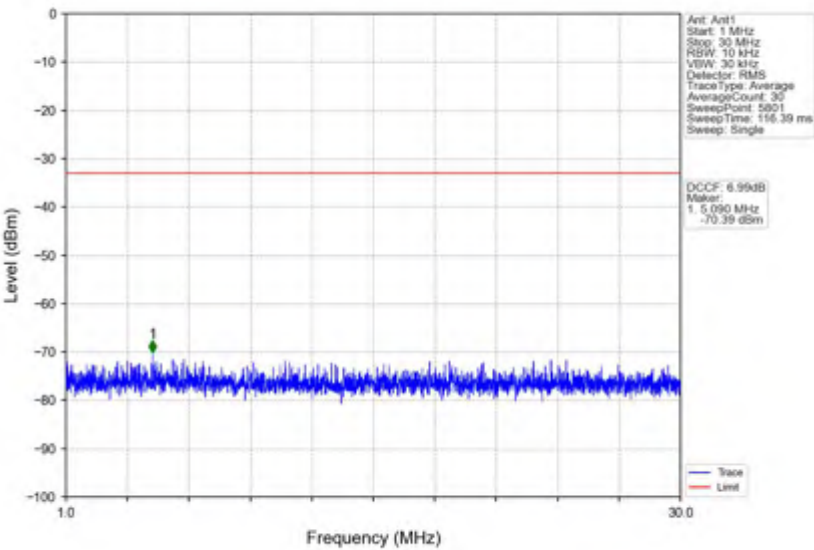


n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3500.01MHz_Edge_1RB_Left

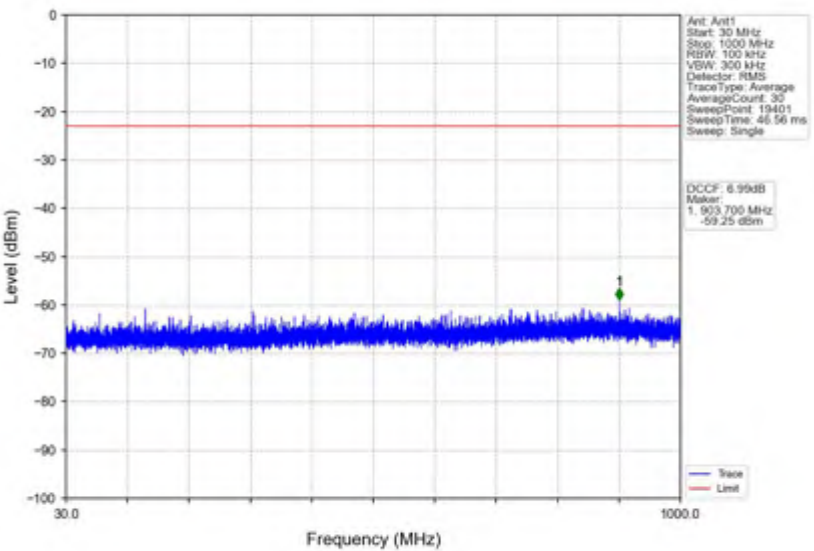




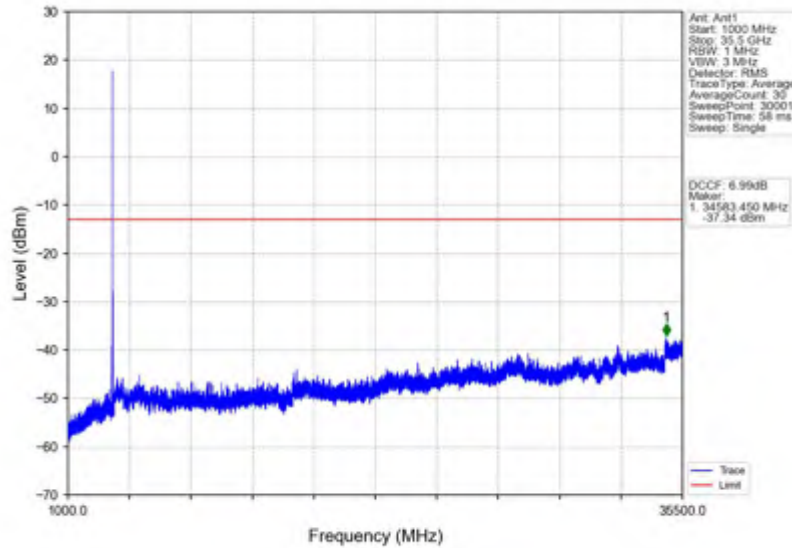
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



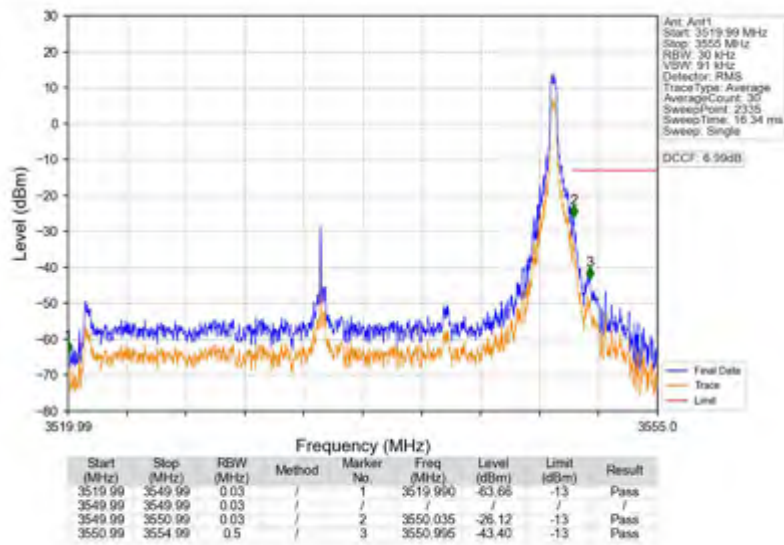
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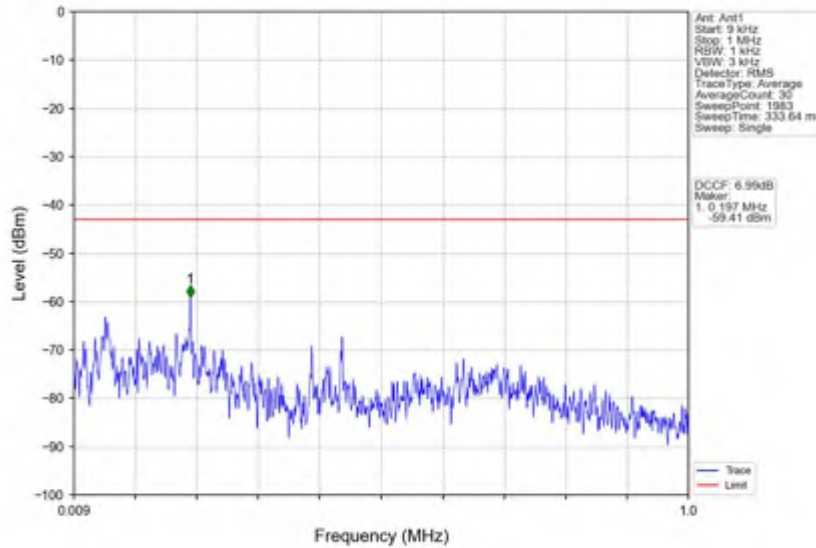
n78(3450-3550MHz) 30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3500.01MHz_Edge_1RB_Left



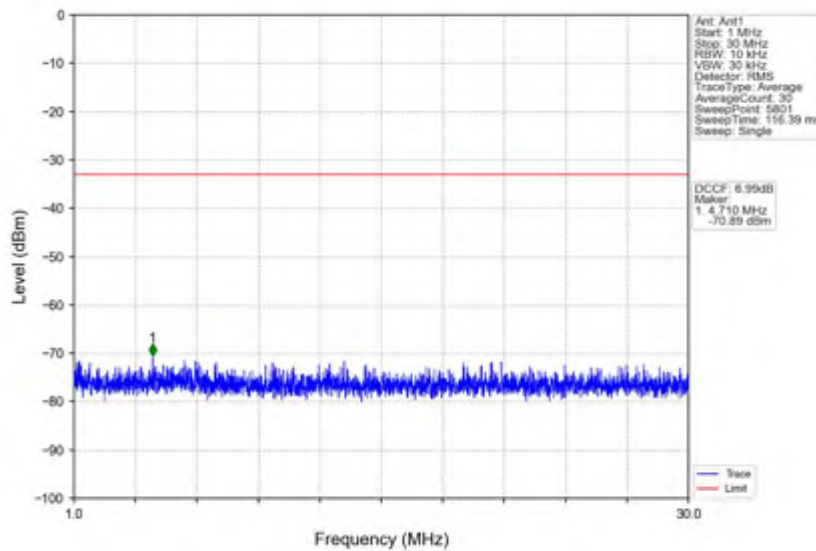
n78(3450-3550MHz) 30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Edge_1RB_Right



n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_CP-OFDM QPSK 3534.99MHz Edge_1RB_Right

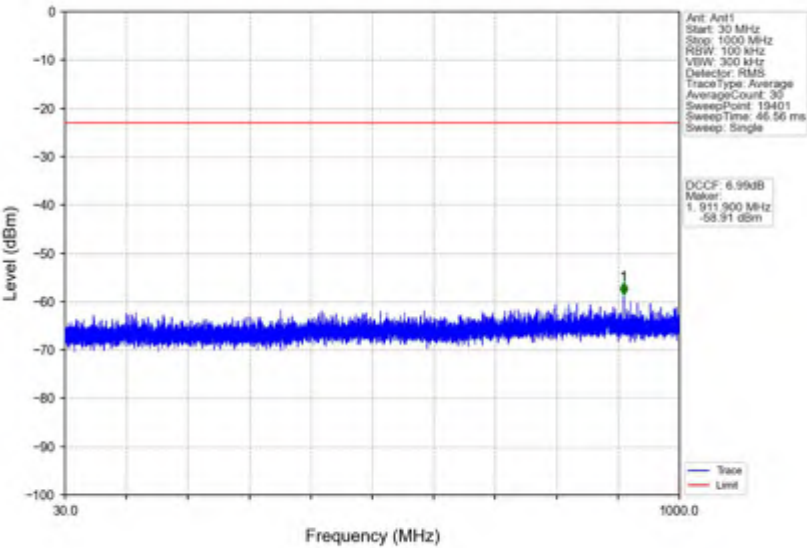


n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_CP-OFDM QPSK 3534.99MHz_Edge_1RB_Right

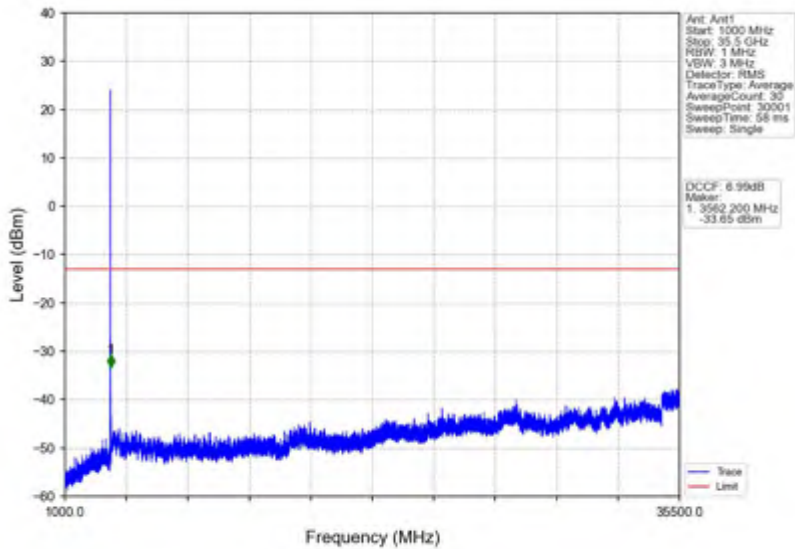




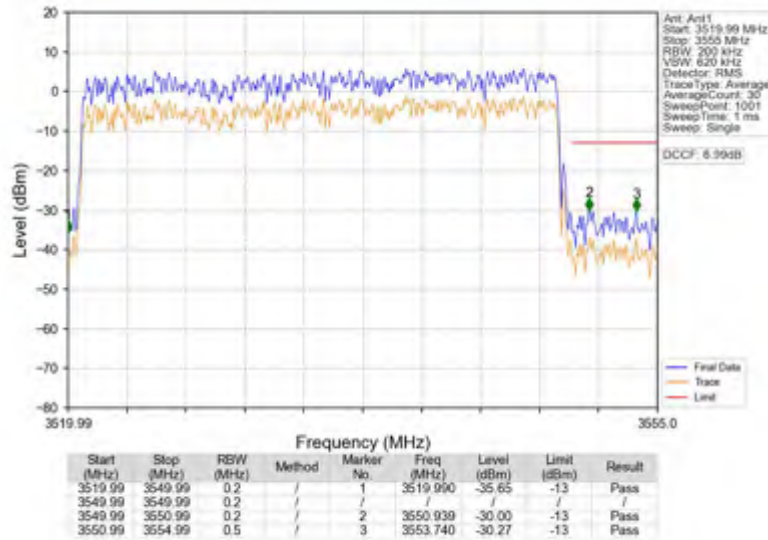
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_CP-OFDM QPSK 3534.99MHz Edge_1RB_Right



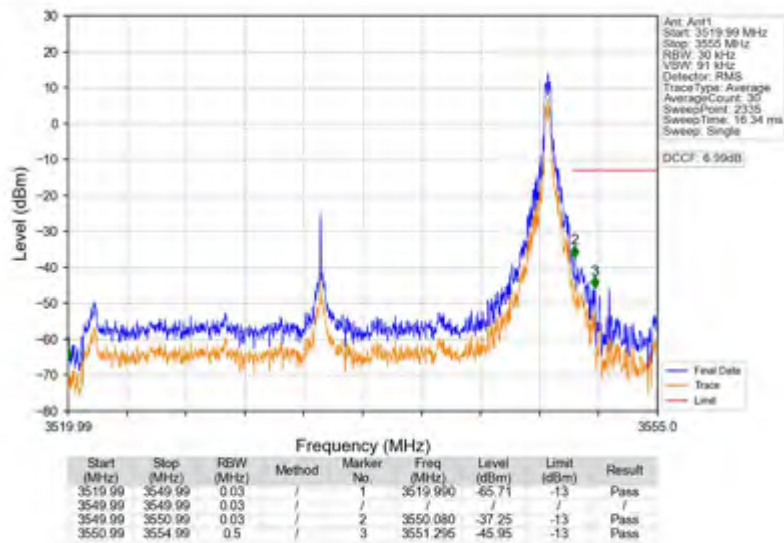
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_CP-OFDM QPSK 3534.99MHz Edge_1RB_Right



n78(3450-3550MHz) 30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Outer_Full



n78(3450-3550MHz) 30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Inner_1RB_Right





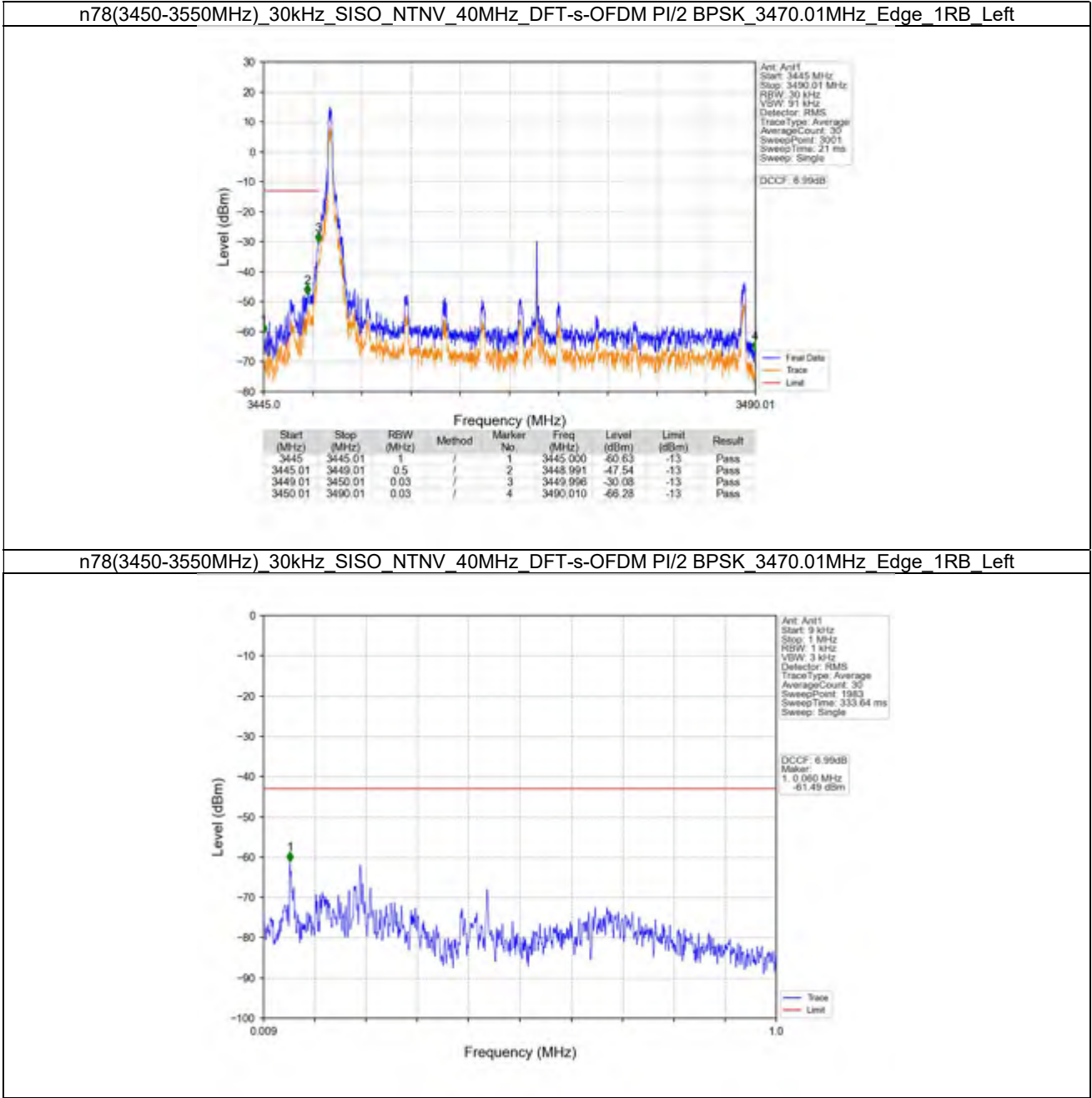
5.3 30k_SISO_40MHz_NTNV

5.3.1 Test Result

5G NR n78(3450-3550MHz) SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			
			Ant1	Ant2	Sum	Limit
DFT-s-OFDM PI/2 BPSK	3470.01	Edge 1RB Left	Refer To Test Graph			
		Outer Full	Refer To Test Graph			
		Inner 1RB Left	Refer To Test Graph			
	3500.01	Edge 1RB Left	Refer To Test Graph			
		Edge 1RB Right	Refer To Test Graph			
		Outer Full	Refer To Test Graph			
DFT-s-OFDM QPSK	3470.01	Edge 1RB Left	Refer To Test Graph			
		Outer Full	Refer To Test Graph			
		Inner 1RB Left	Refer To Test Graph			
	3500.01	Edge 1RB Left	Refer To Test Graph			
		Edge 1RB Right	Refer To Test Graph			
		Outer Full	Refer To Test Graph			
CP-OFDM QPSK	3470.01	Edge 1RB Left	Refer To Test Graph			
		Outer Full	Refer To Test Graph			
		Inner 1RB Left	Refer To Test Graph			
	3500.01	Edge 1RB Left	Refer To Test Graph			
		Edge 1RB Right	Refer To Test Graph			
		Outer Full	Refer To Test Graph			
CP-OFDM QPSK	3529.98	Edge 1RB Left	Refer To Test Graph			
		Outer Full	Refer To Test Graph			
		Inner 1RB Right	Refer To Test Graph			
	3529.98	Edge 1RB Left	Refer To Test Graph			
		Outer Full	Refer To Test Graph			
		Inner 1RB Right	Refer To Test Graph			

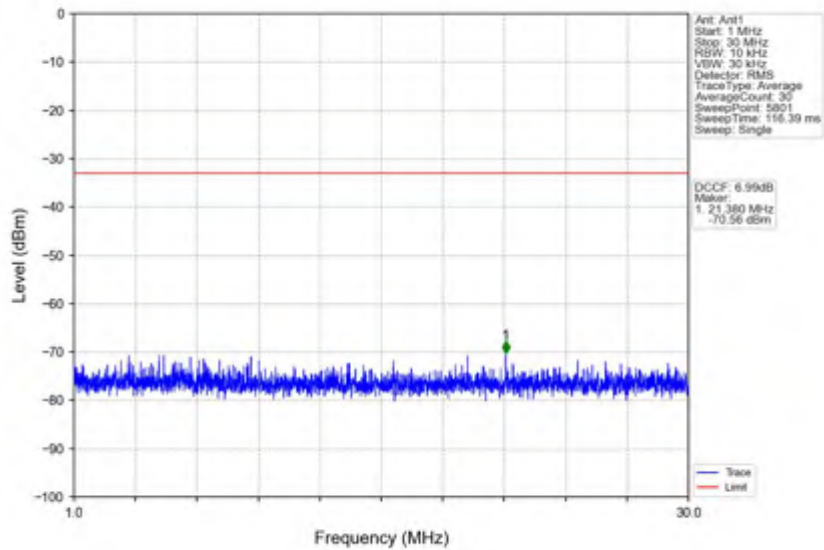


5.3.2 Test Graph

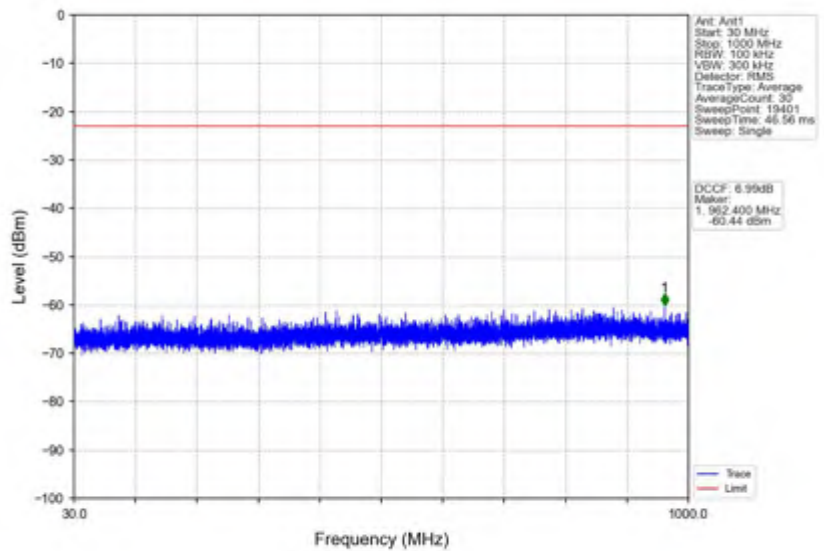




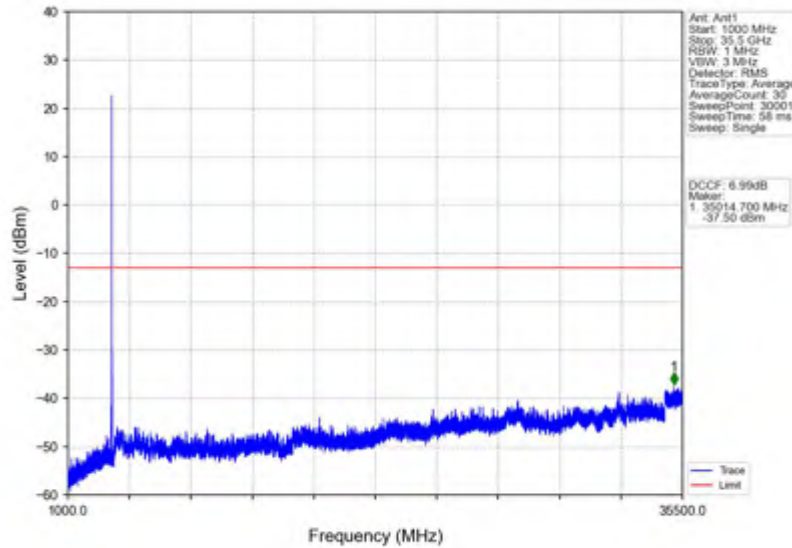
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



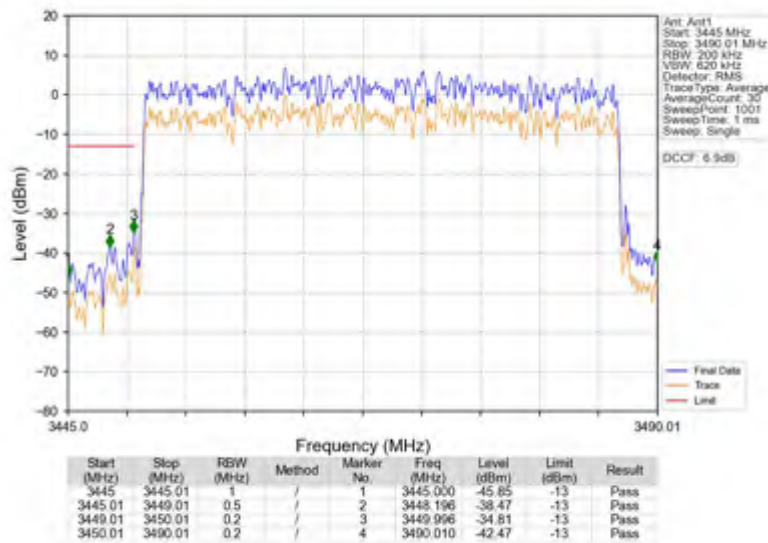
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



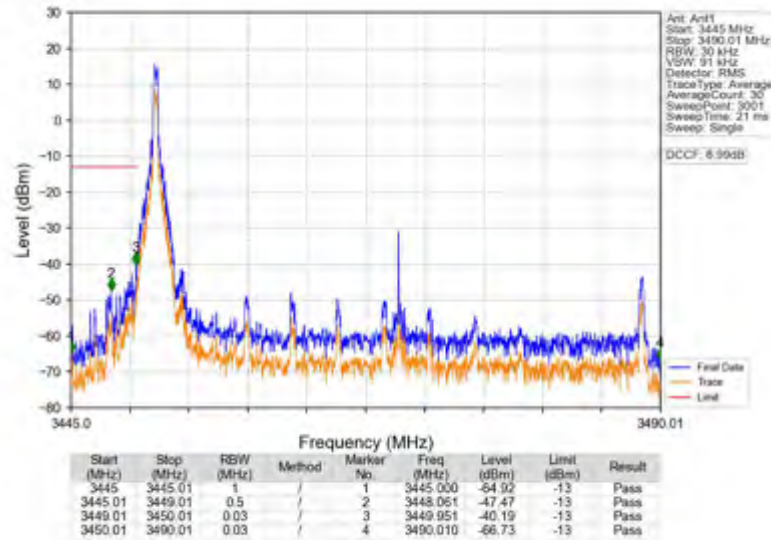
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



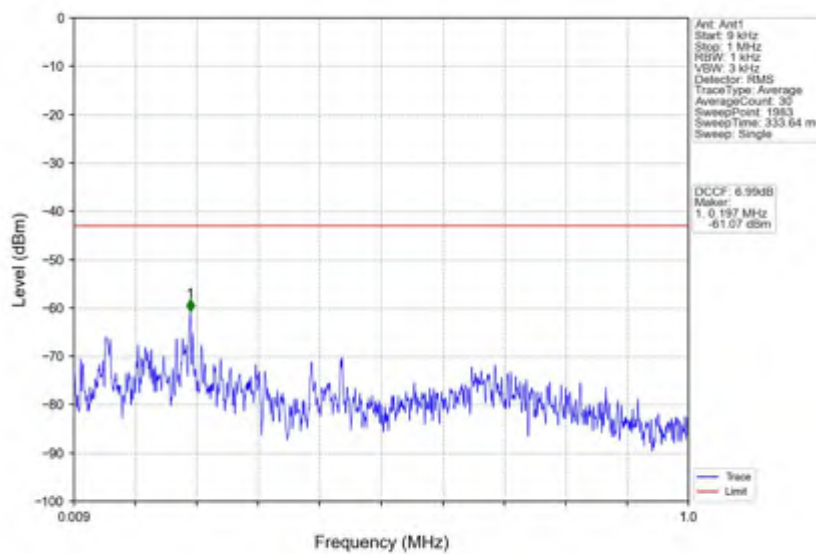
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Outer_Full



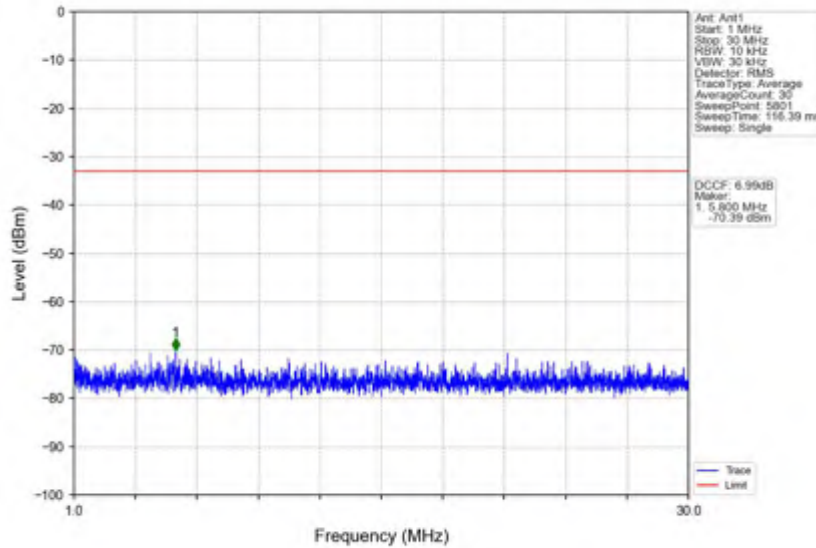
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Inner_1RB_Left



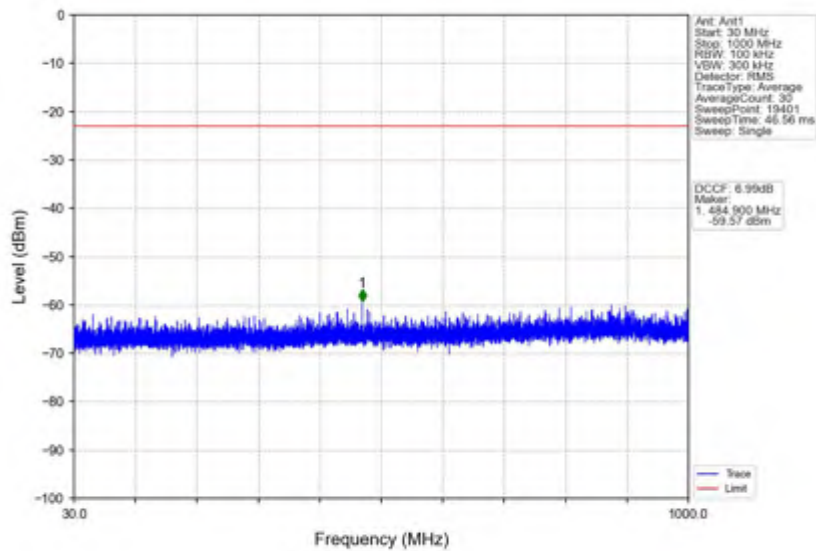
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



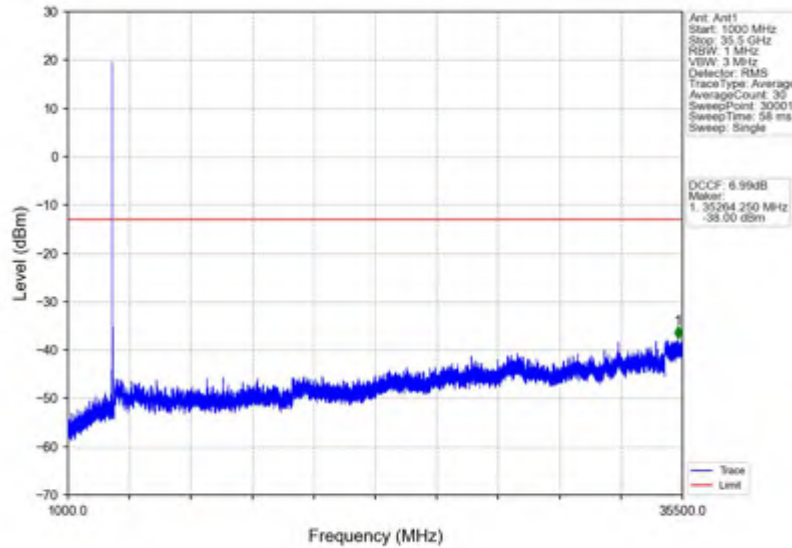
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



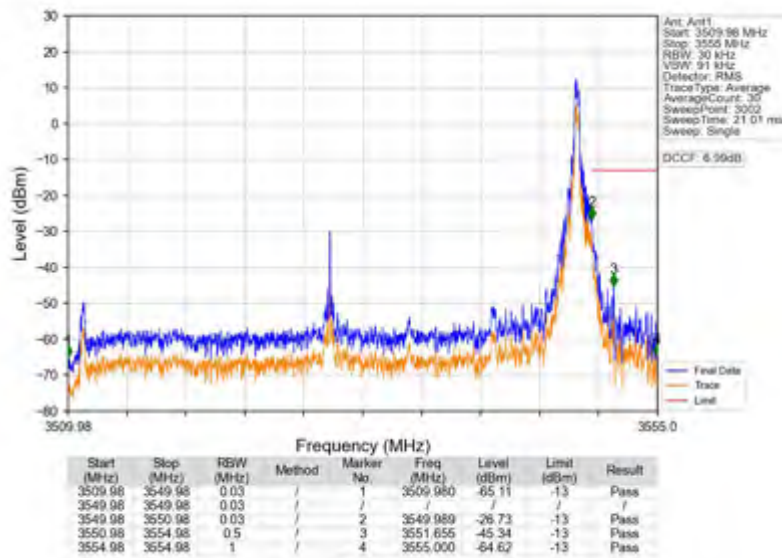
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



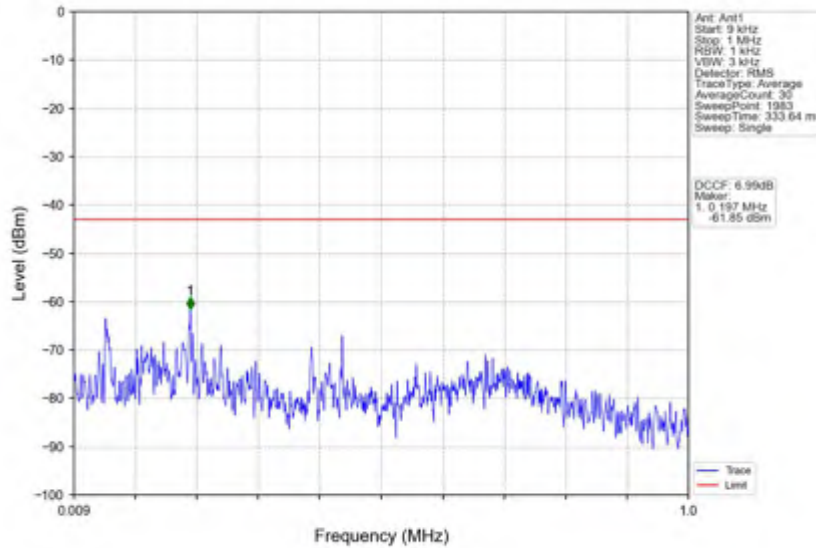
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK 3500.01MHz_Edge_1RB_Left



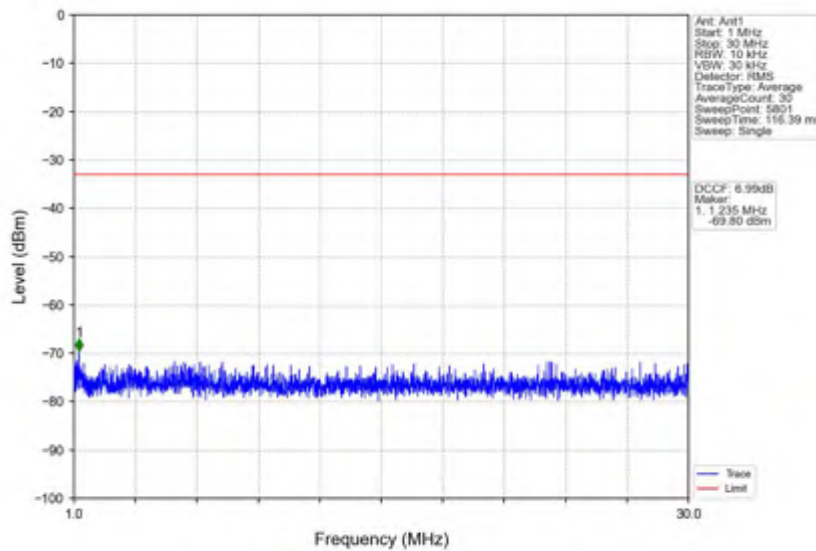
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK 3529.98MHz_Edge_1RB_Right



n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3529.98MHz_Edge_1RB_Right

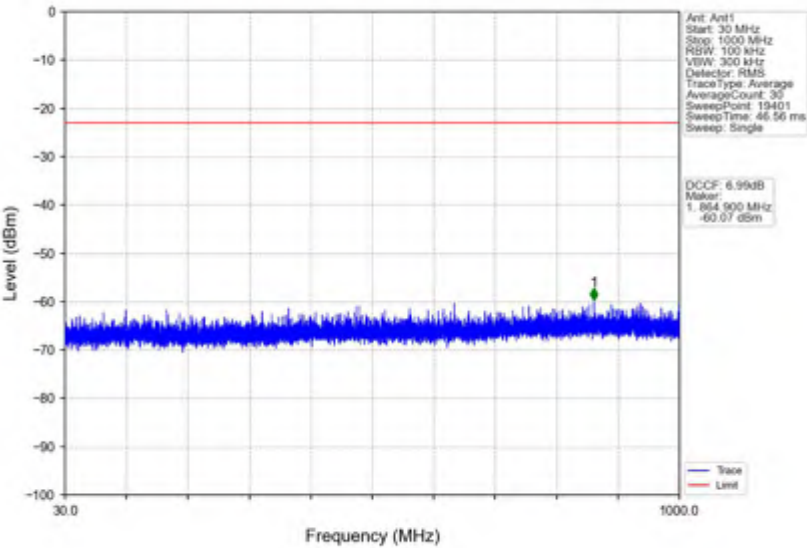


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3529.98MHz_Edge_1RB_Right

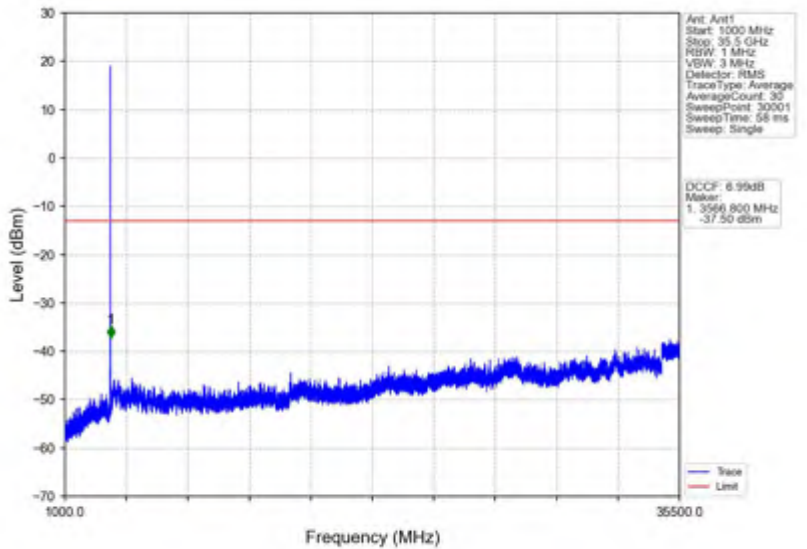




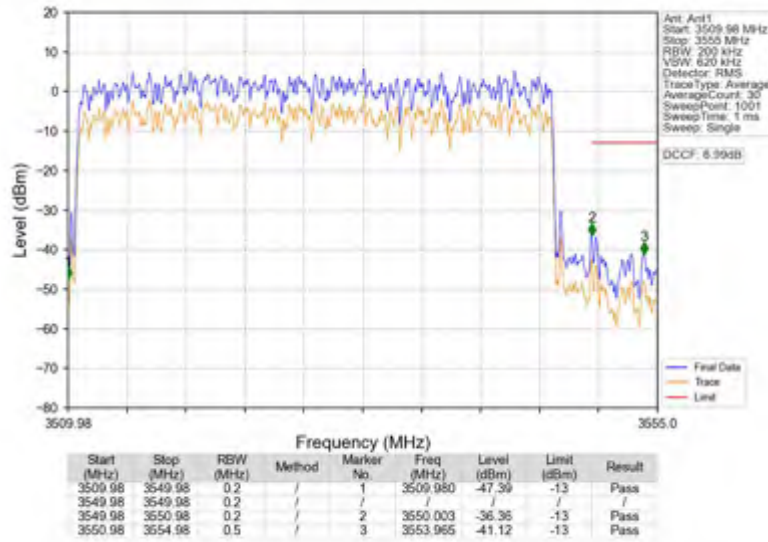
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3529.98MHz_Edge_1RB_Right



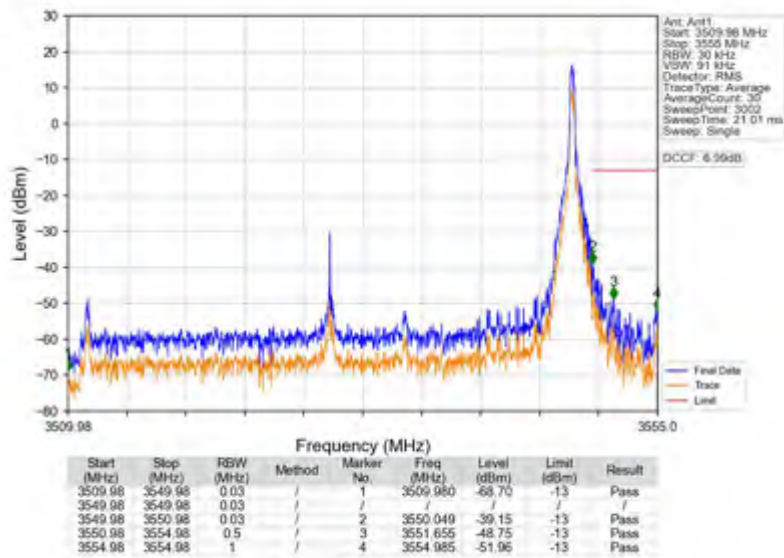
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3529.98MHz_Edge_1RB_Right



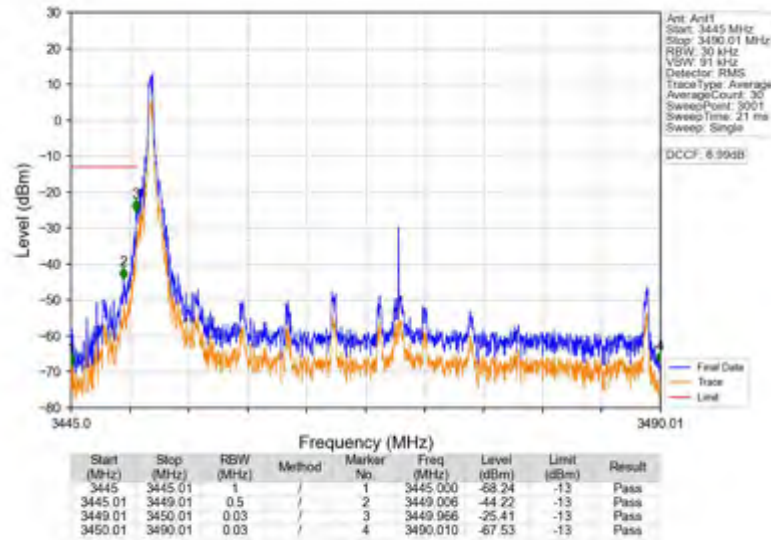
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 3529.98MHz Outer Full



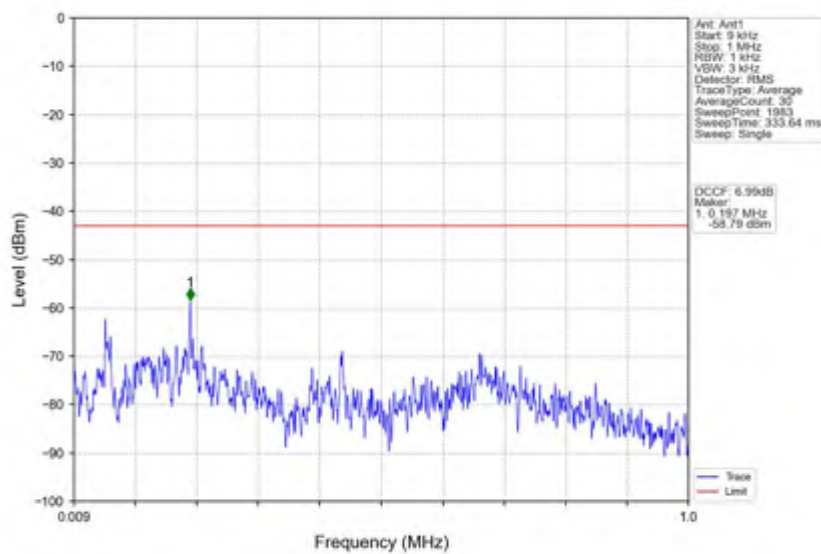
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 3529.98MHz Inner_1RB_Right



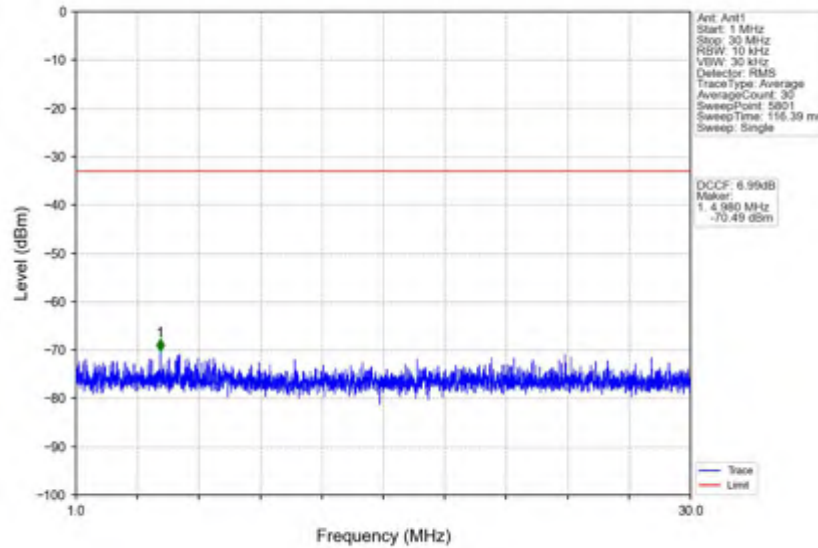
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



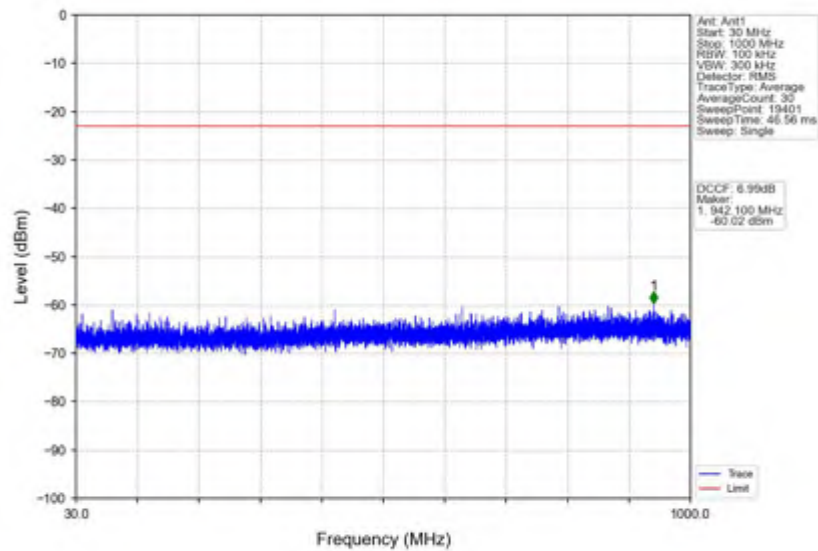
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



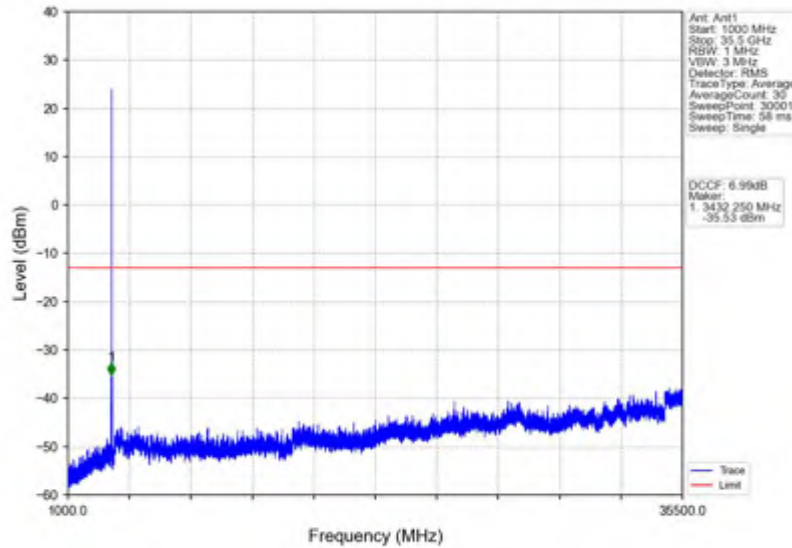
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3470.01MHz_Edge_1RB_Left



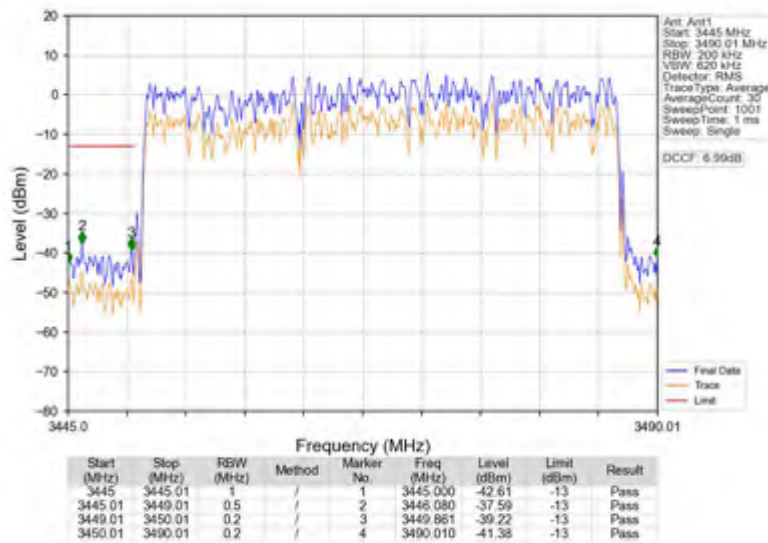
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3470.01MHz_Edge_1RB_Left



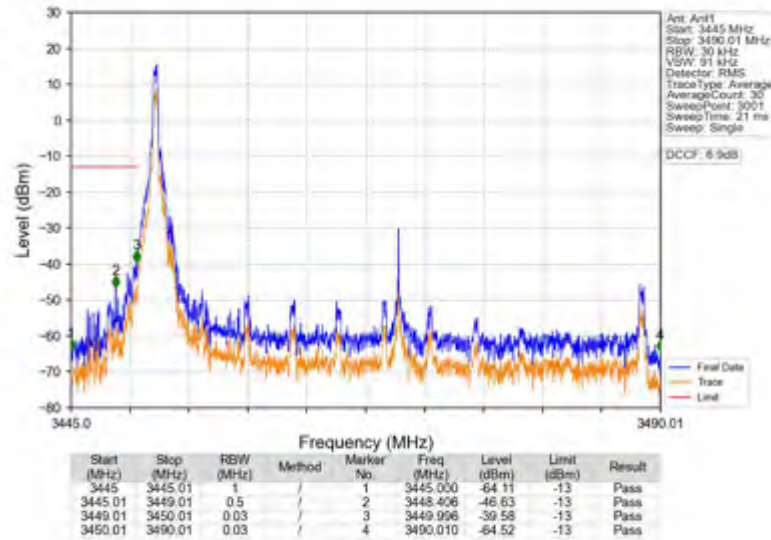
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



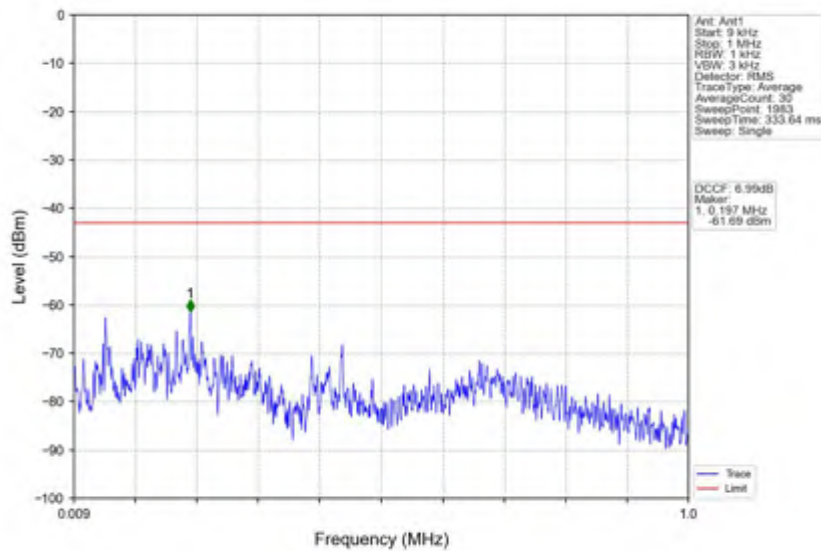
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3470.01MHz_Outer_Full



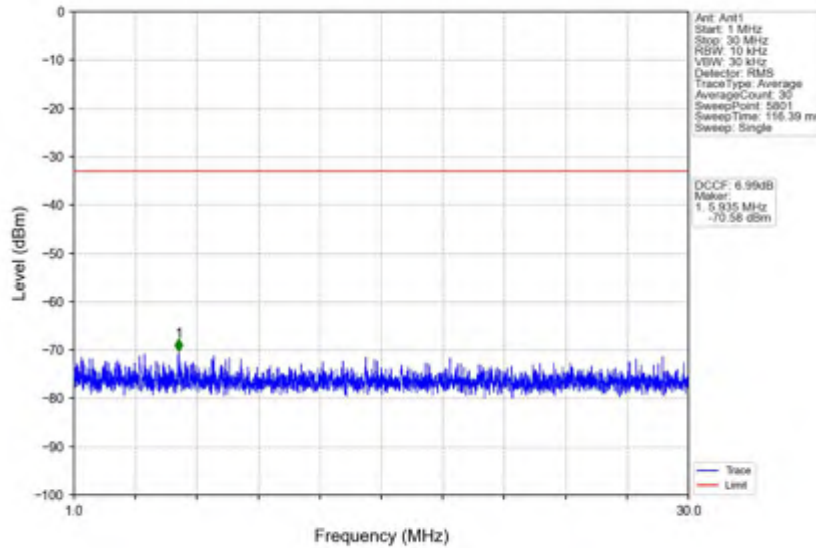
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3470.01MHz_Inner_1RB_Left



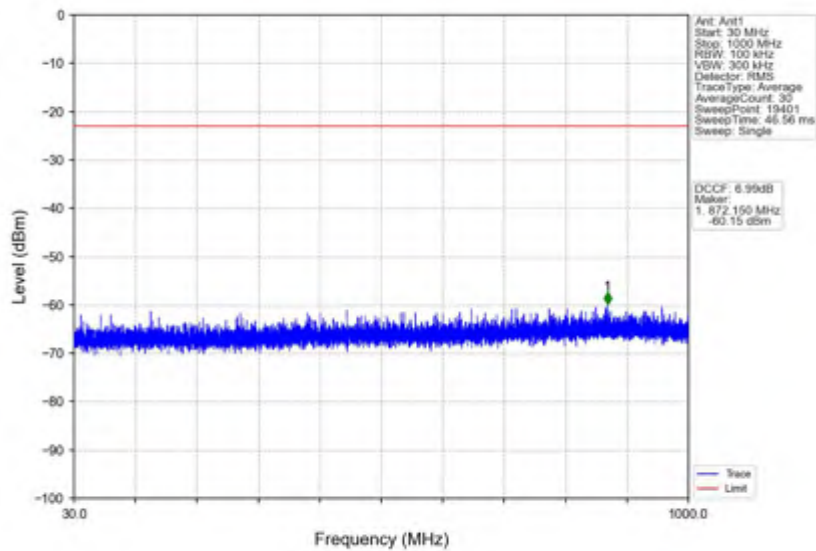
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3500.01MHz_Edge_1RB_Left



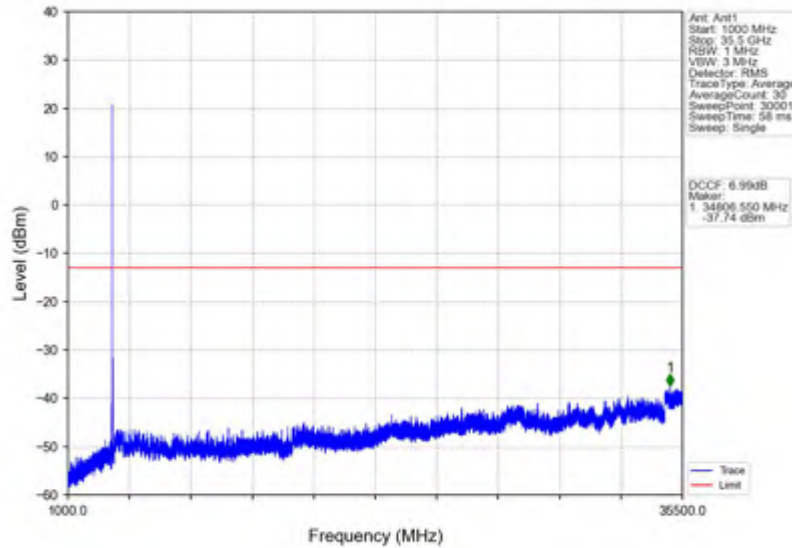
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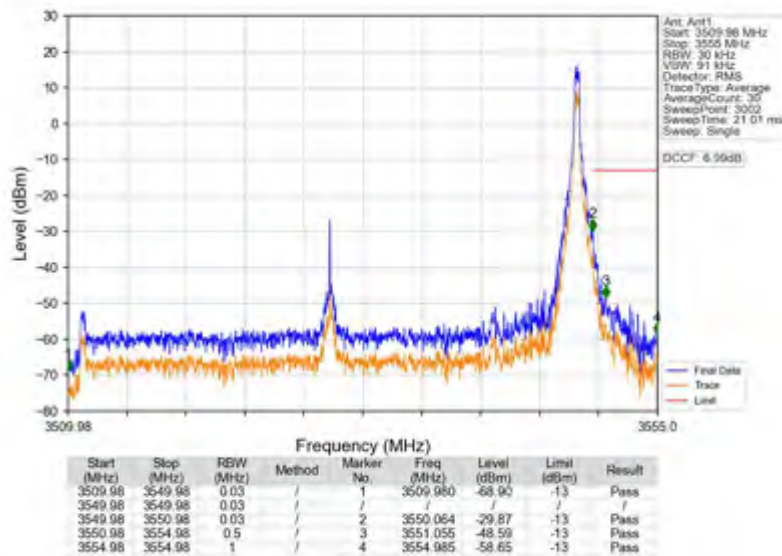
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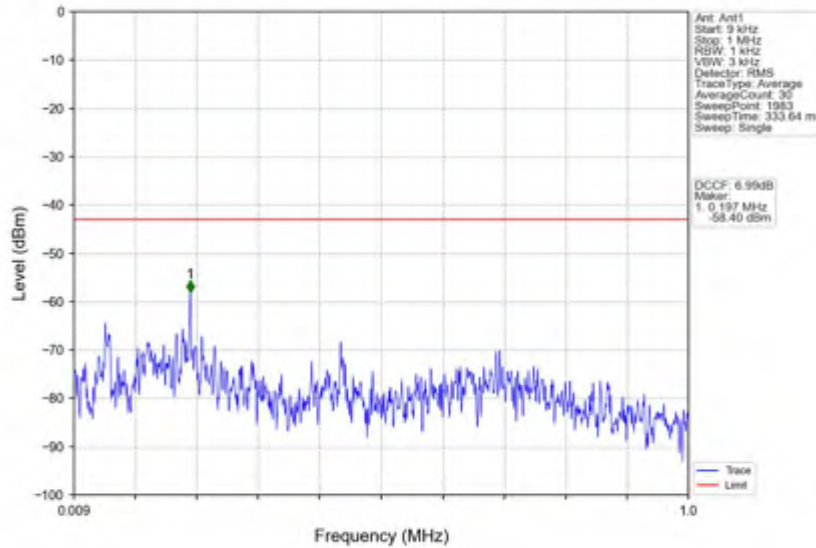
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



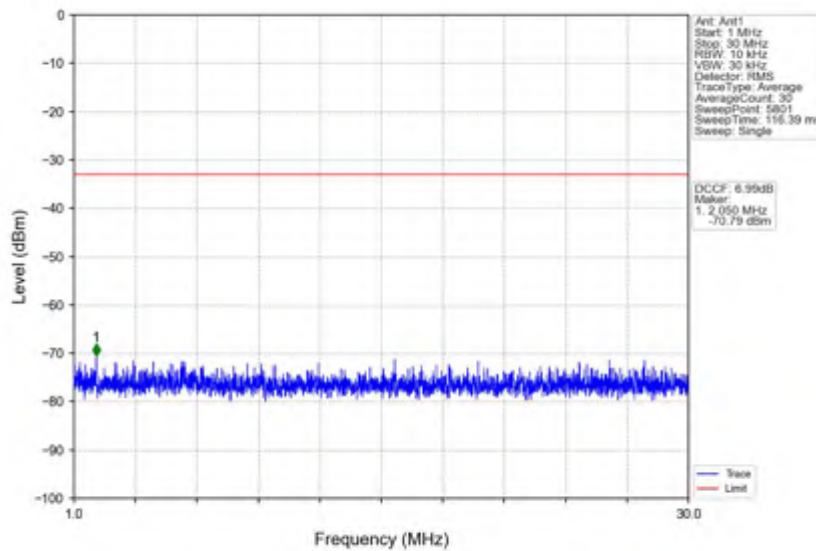
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3529.98MHz_Edge_1RB_Right



n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3529.98MHz_Edge_1RB_Right

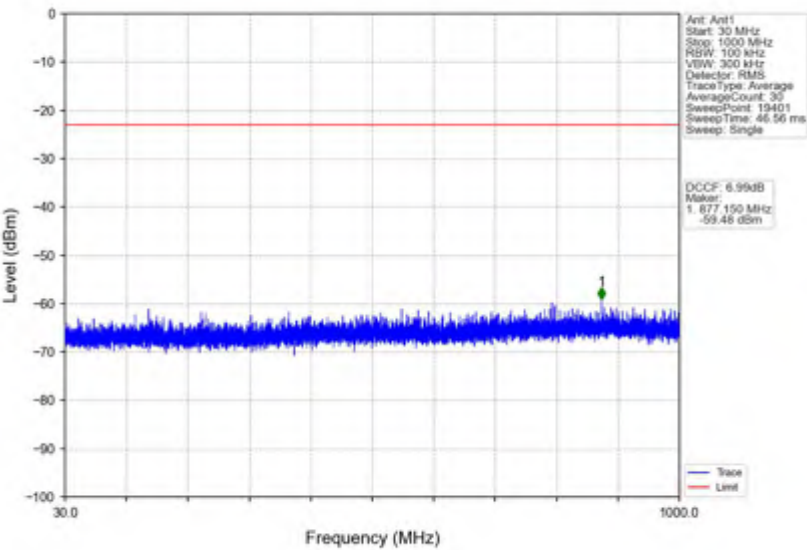


n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3529.98MHz_Edge_1RB_Right

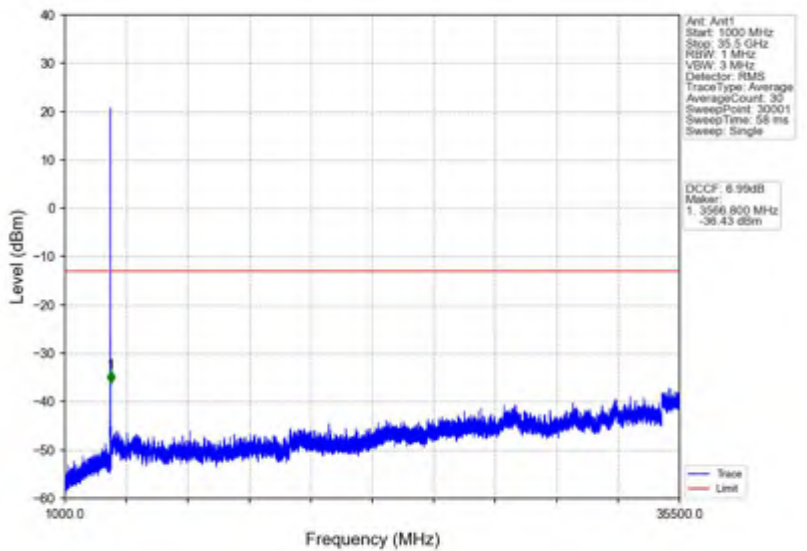




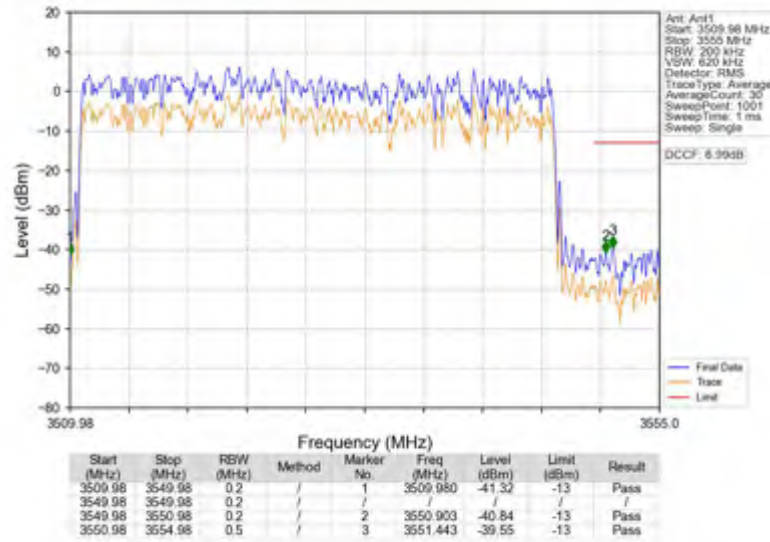
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3529.98MHz_Edge_1RB_Right



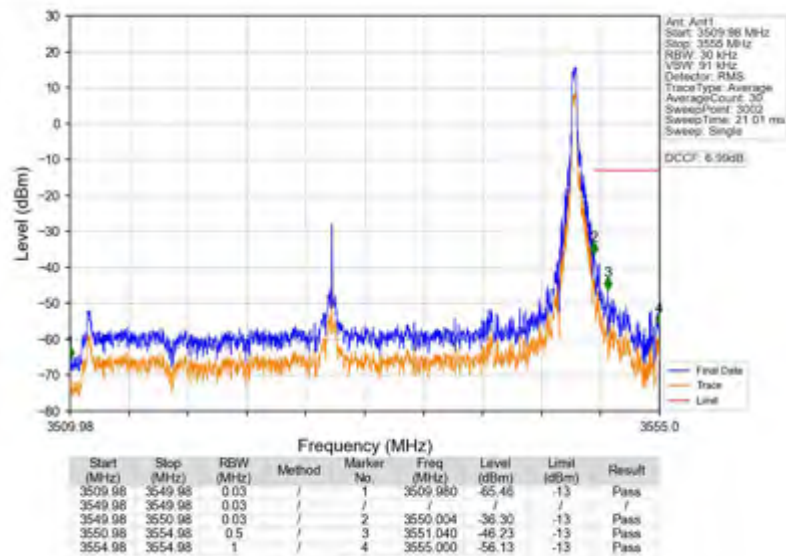
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3529.98MHz_Edge_1RB_Right



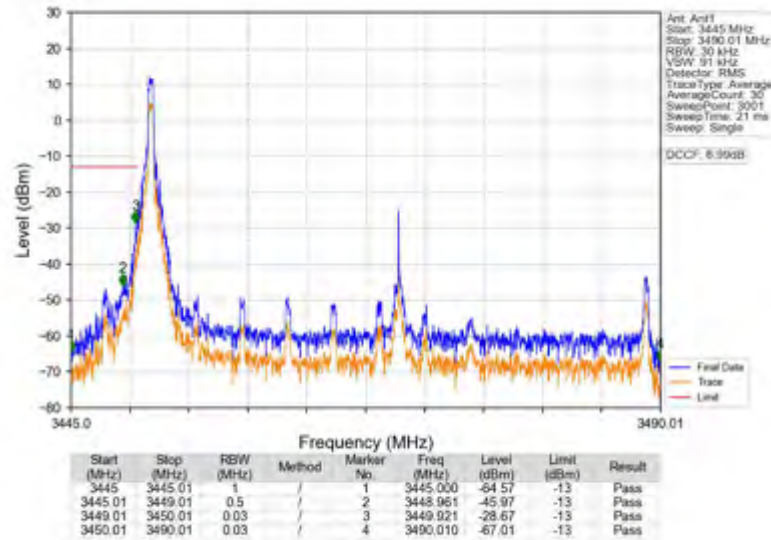
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3529.98MHz Outer Full



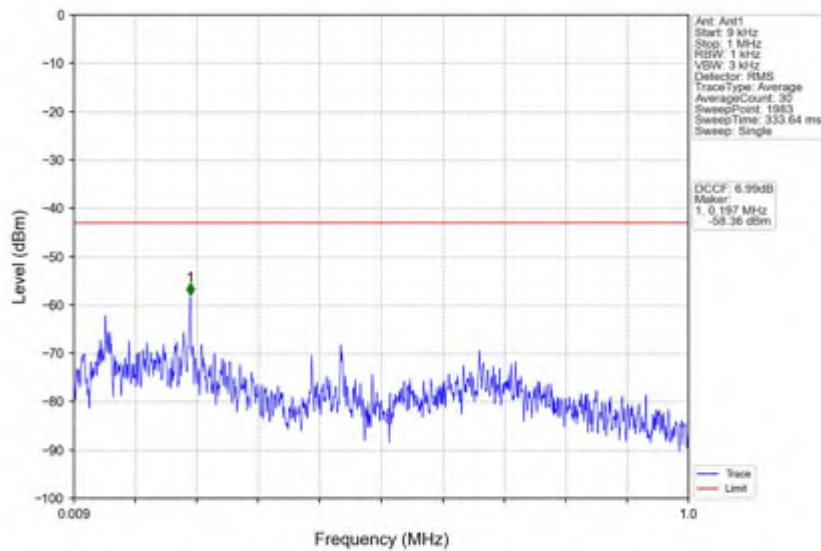
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3529.98MHz Inner 1RB Right



n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left

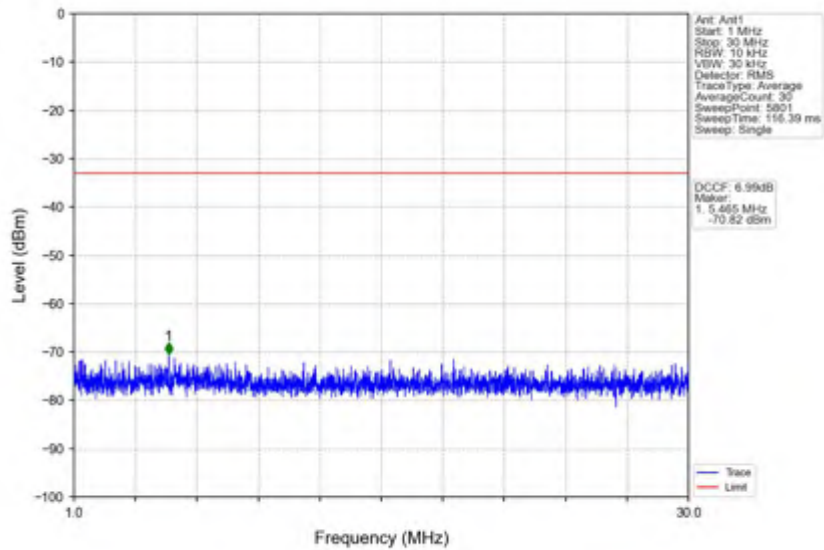


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left

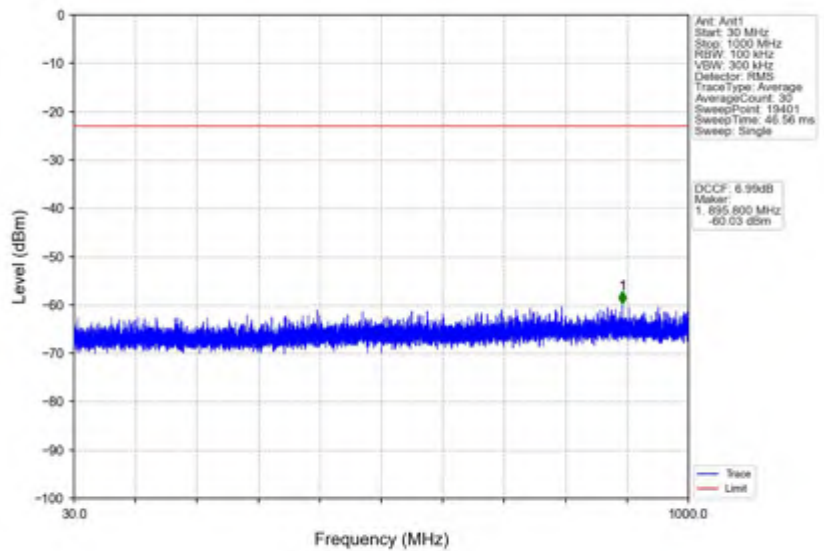




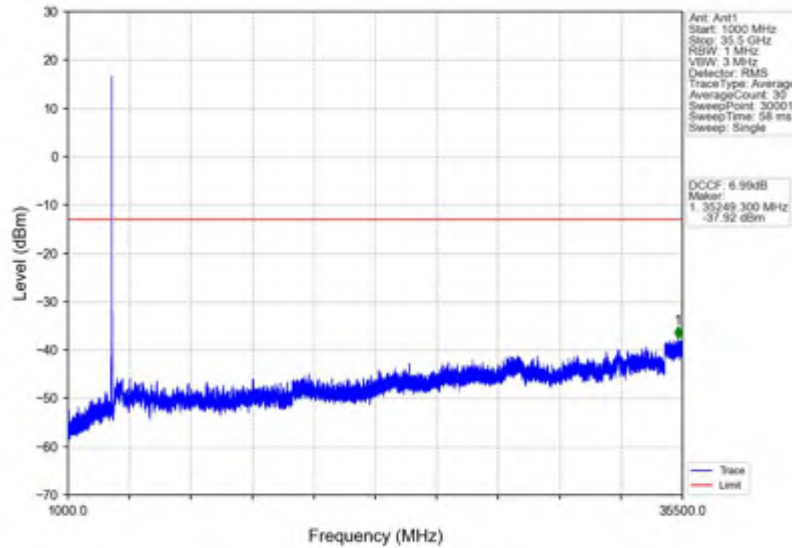
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



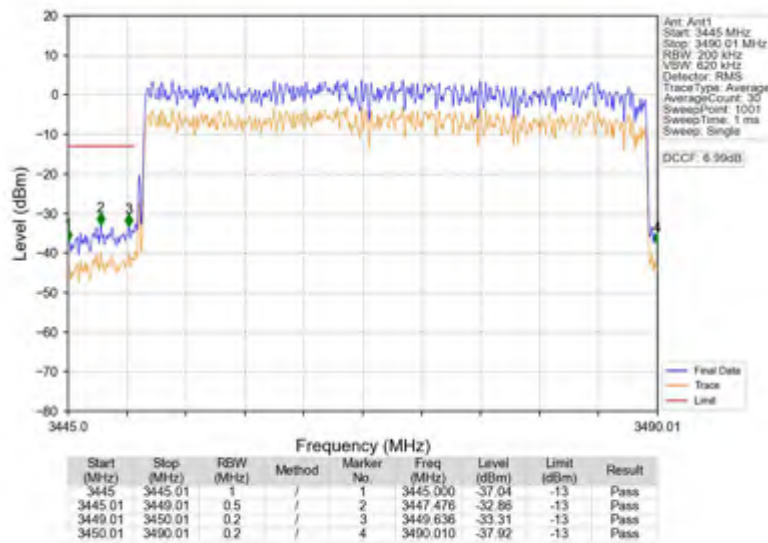
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



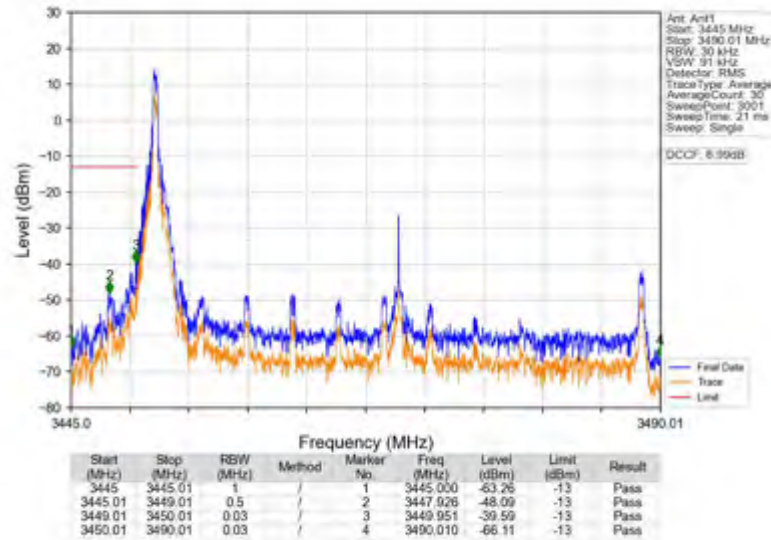
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



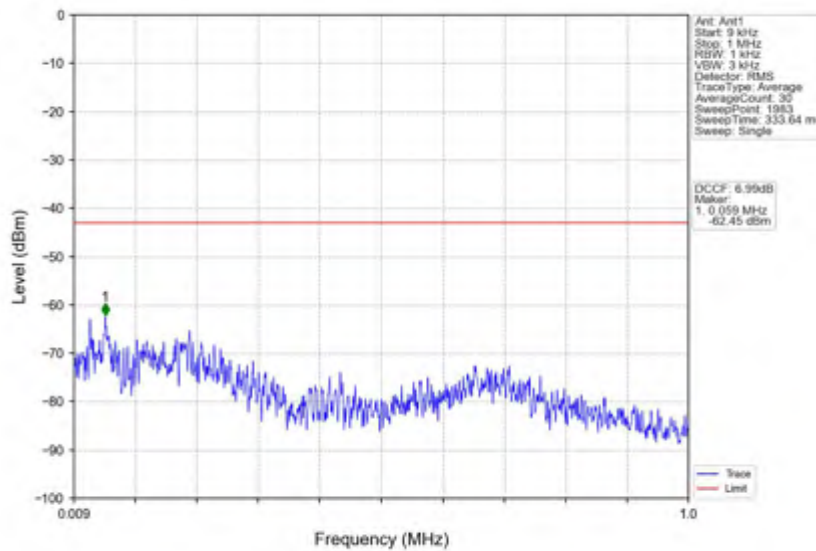
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Outer_Full



n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Inner_1RB_Left

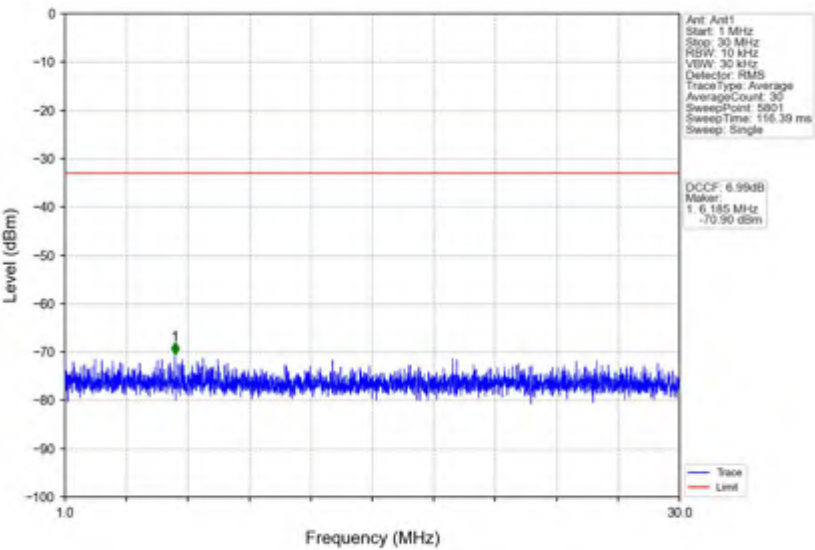


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left

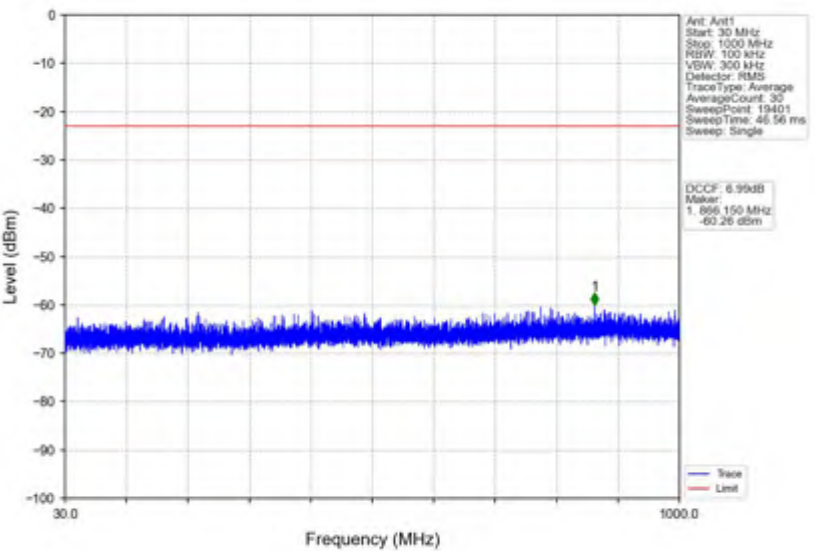




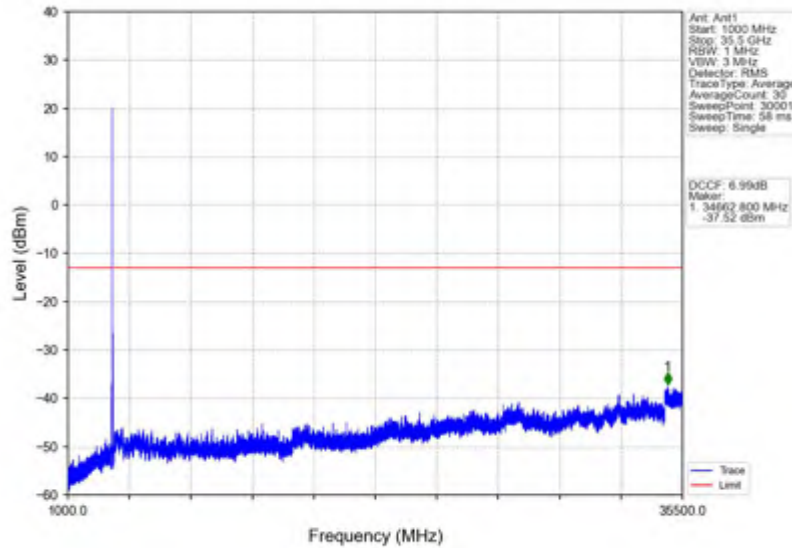
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



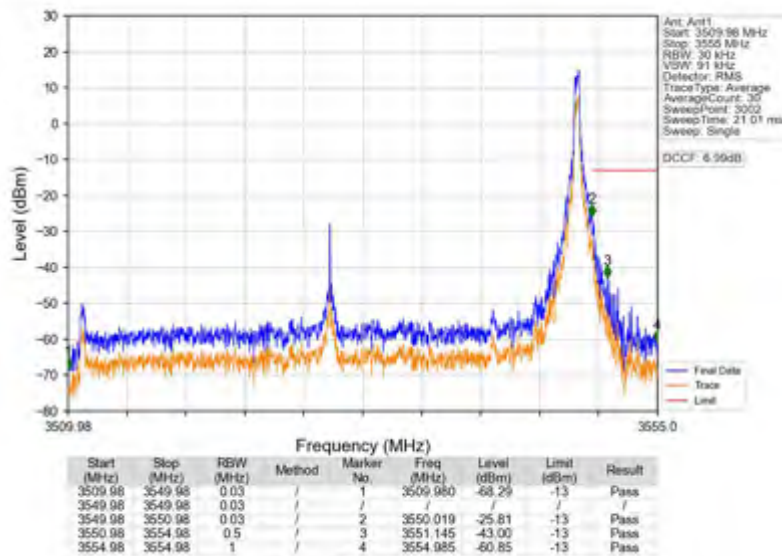
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



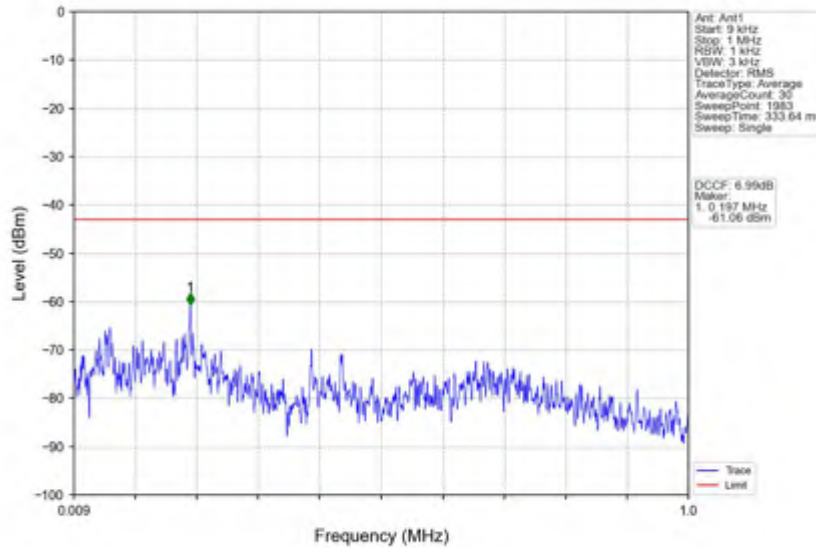
n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



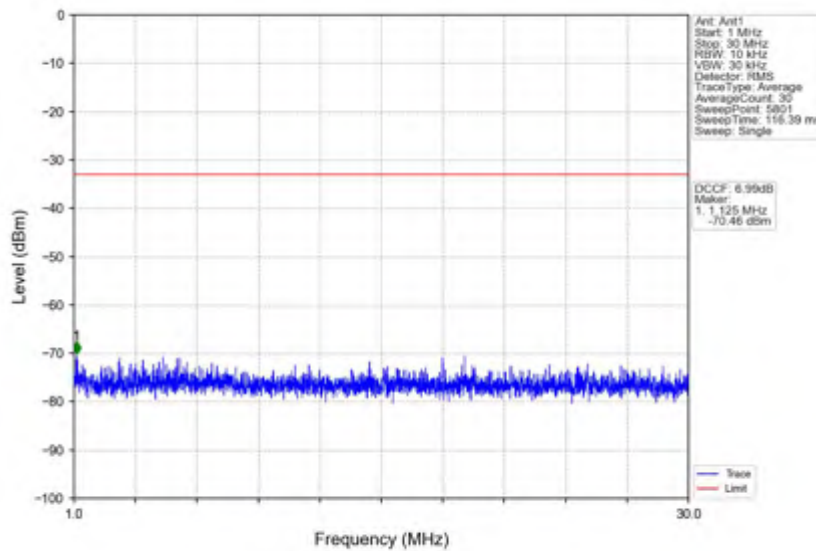
n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3529.98MHz Edge 1RB Right



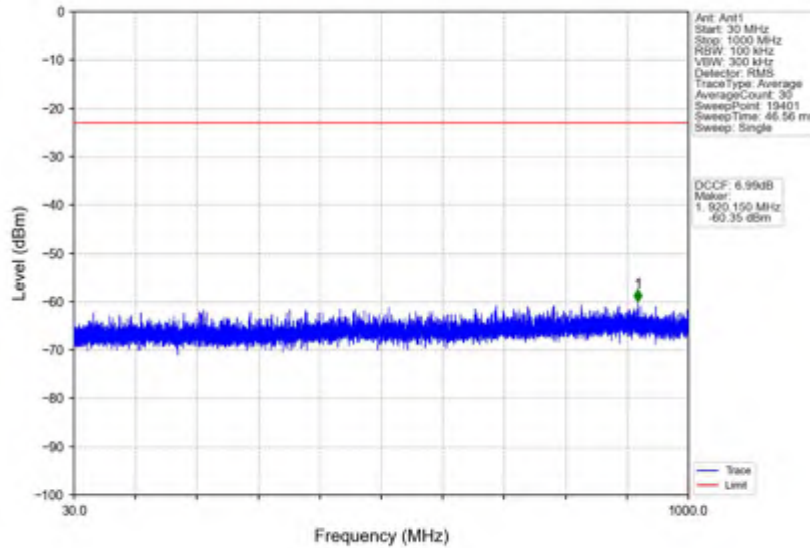
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_CP-OFDM QPSK 3529.98MHz Edge_1RB Right



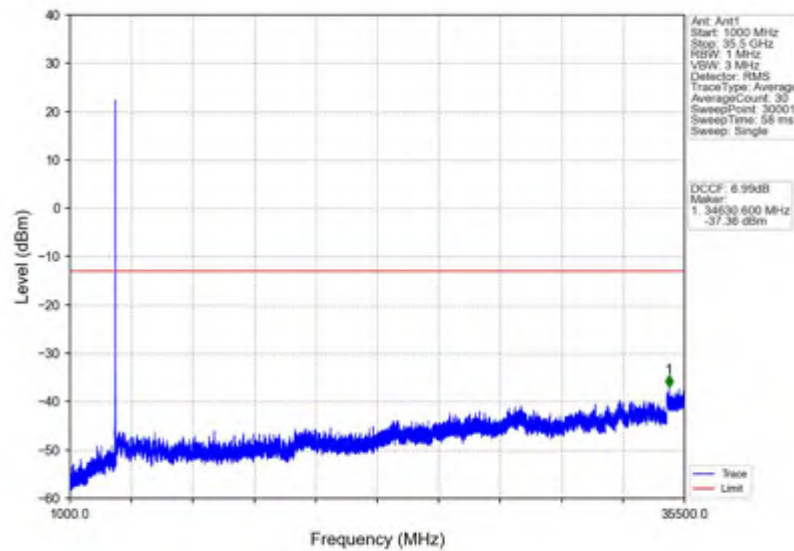
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_CP-OFDM QPSK 3529.98MHz Edge_1RB Right



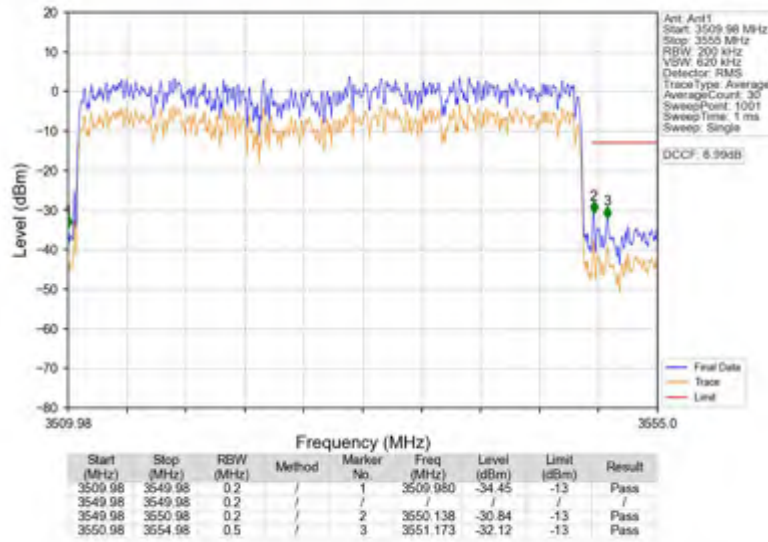
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_CP-OFDM QPSK_3529.98MHz_Edge_1RB_Right



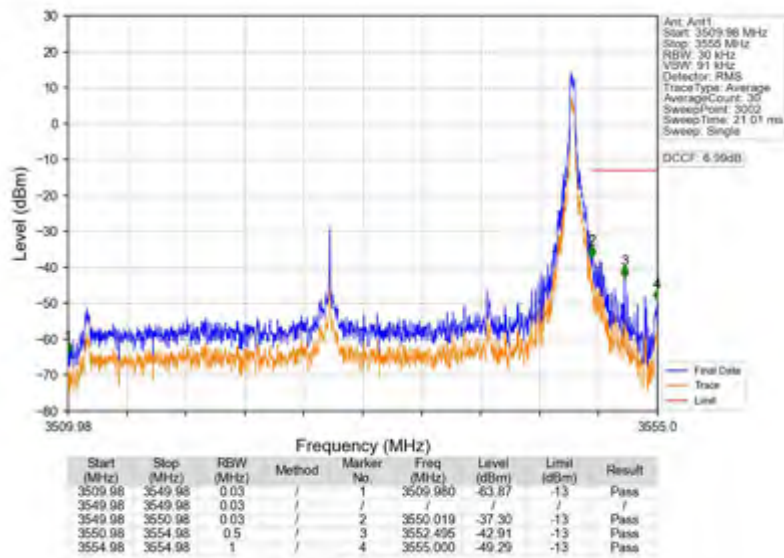
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_CP-OFDM QPSK_3529.98MHz_Edge_1RB_Right



n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3529.98MHz_Outer_Full



n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3529.98MHz_Inner_1RB_Right





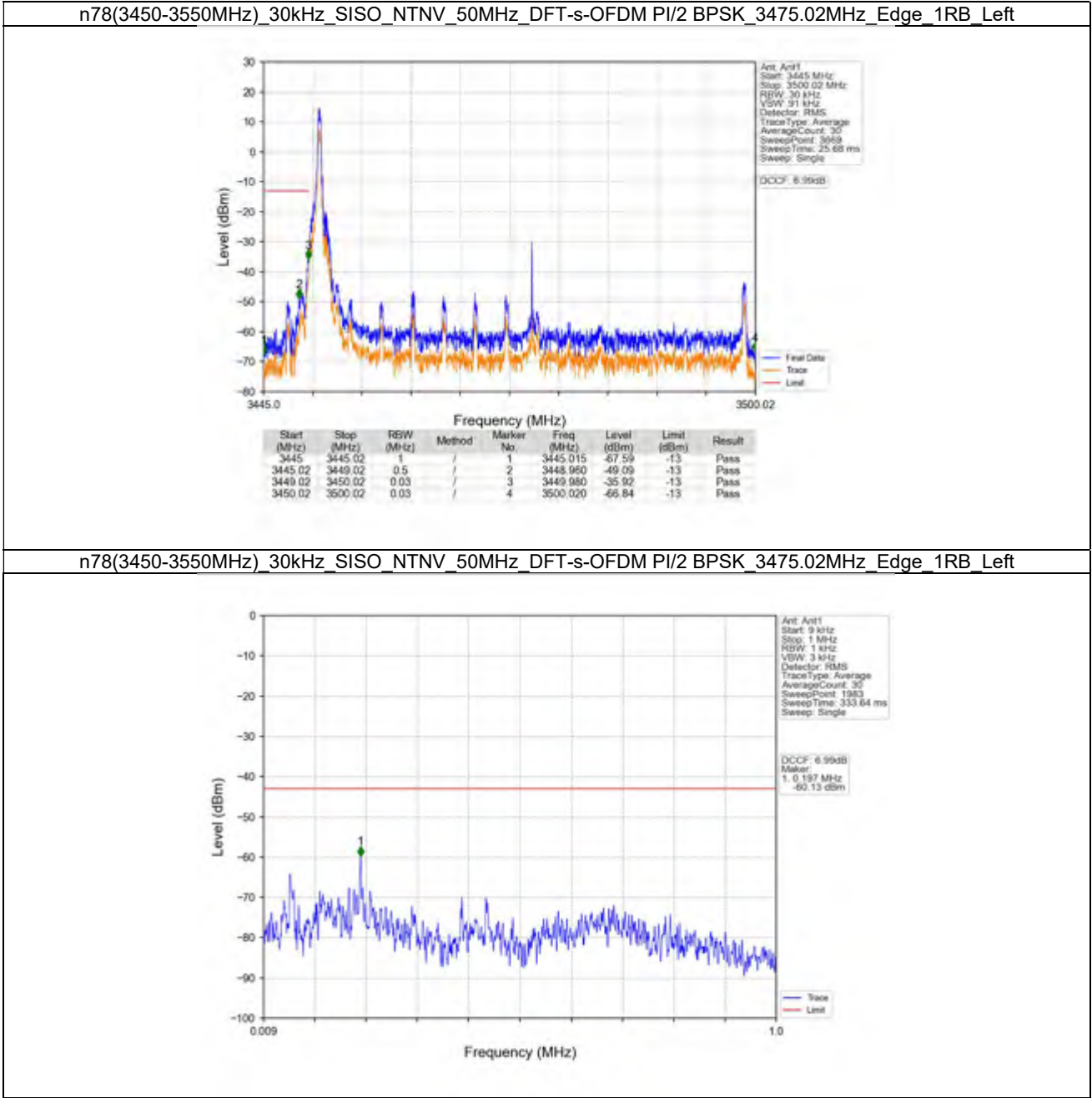
5.4 30k_SISO_50MHz_NTNV

5.4.1 Test Result

5G NR n78(3450-3550MHz) SCS=30kHz SISO 50MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3475.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3525	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Right	Refer To Test Graph				Pass			
DFT-s-OFDM QPSK	3475.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3525	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Right	Refer To Test Graph				Pass			
CP-OFDM QPSK	3475.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3525	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Right	Refer To Test Graph				Pass			

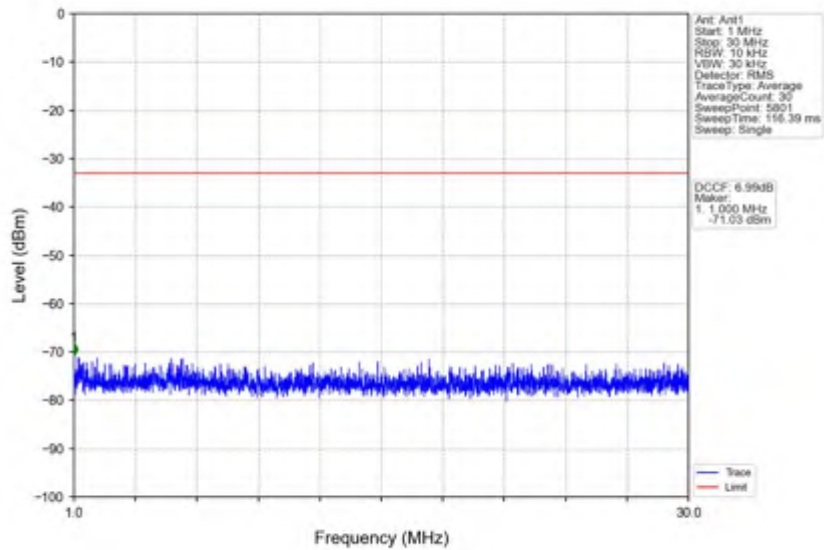


5.4.2 Test Graph

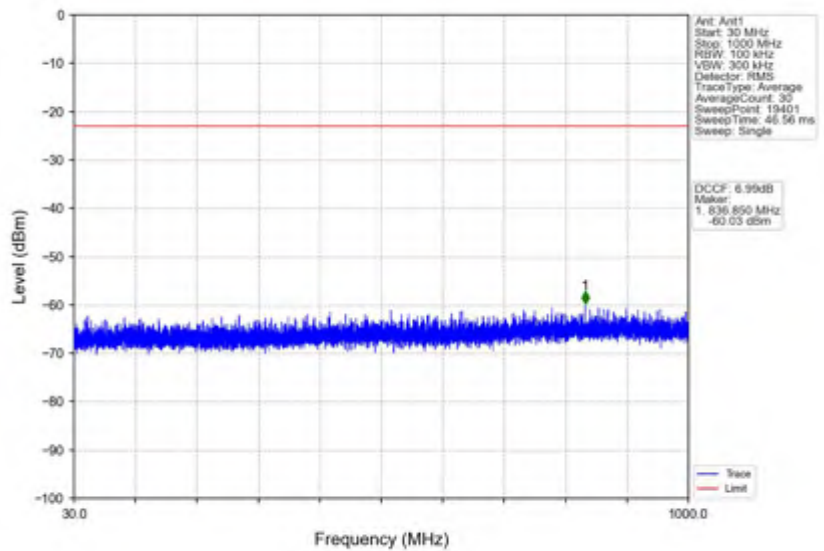




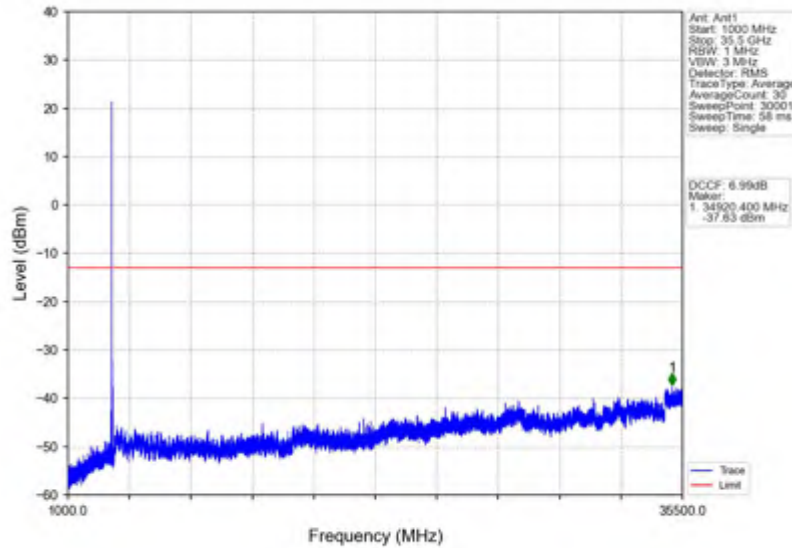
n78(3450-3550MHz) 30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Edge_1RB_Left



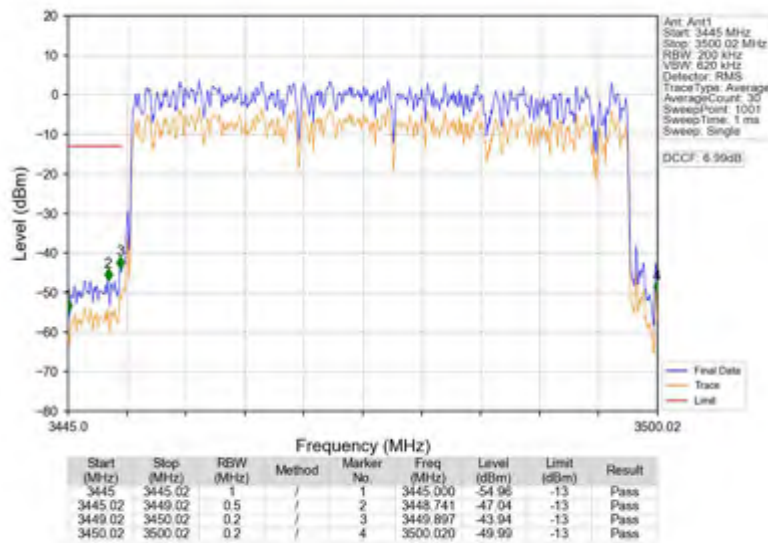
n78(3450-3550MHz) 30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Edge_1RB_Left



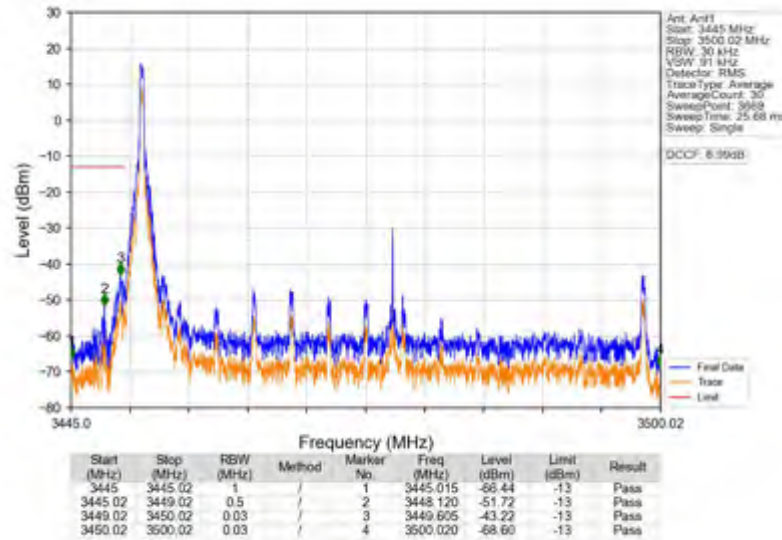
n78(3450-3550MHz) 30kHz SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK 3475.02MHz Edge 1RB Left



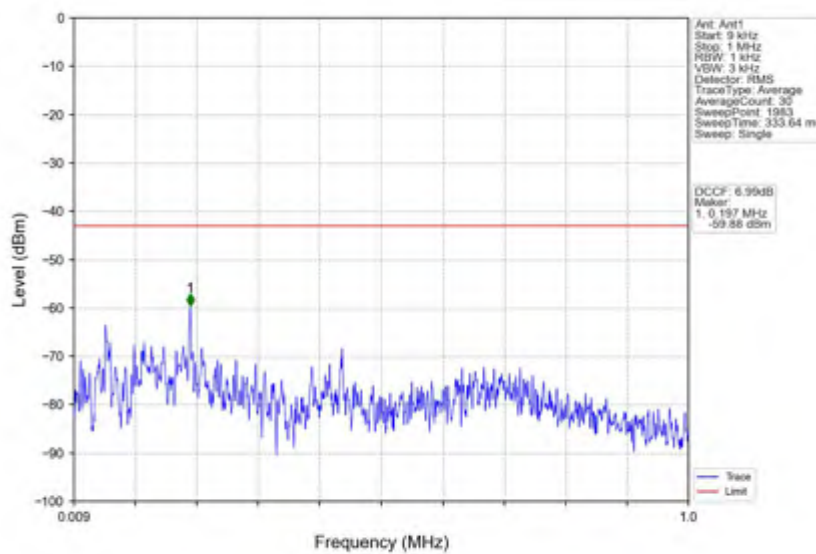
n78(3450-3550MHz) 30kHz SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK 3475.02MHz_Outer_Full



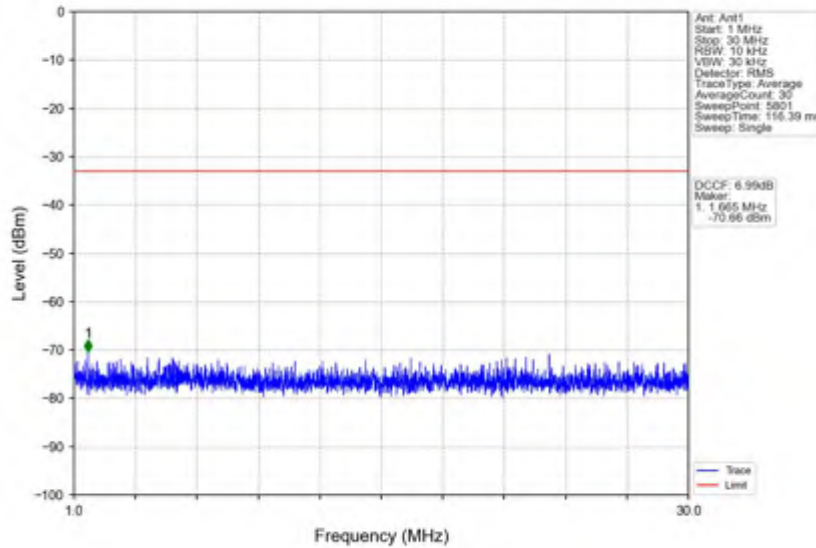
n78(3450-3550MHz) 30kHz SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK 3475.02MHz_Inner_1RB_Left



n78(3450-3550MHz) 30kHz SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



n78(3450-3550MHz) 30kHz SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



n78(3450-3550MHz) 30kHz SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left

