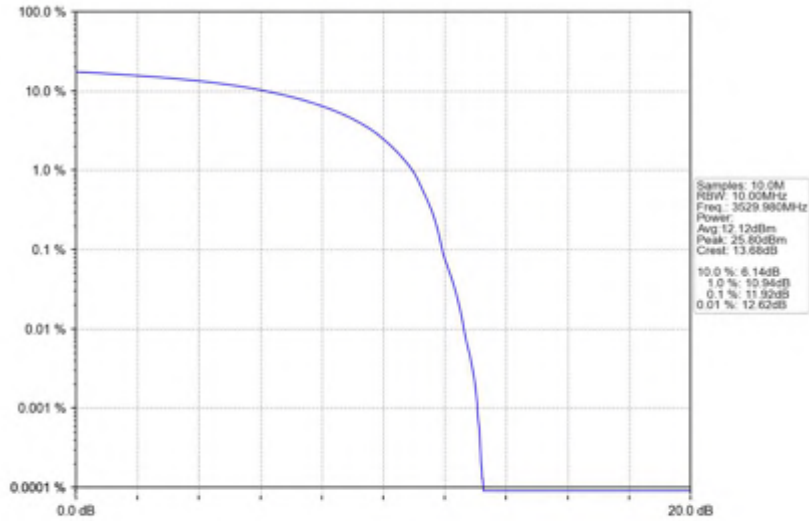
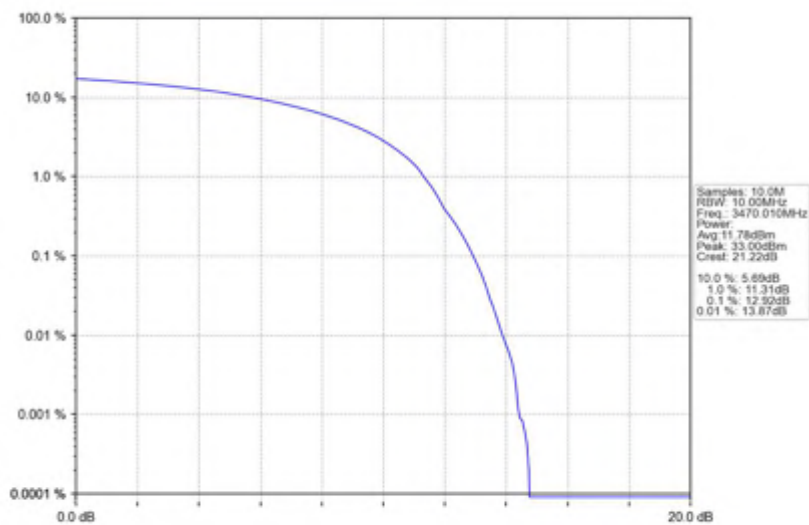


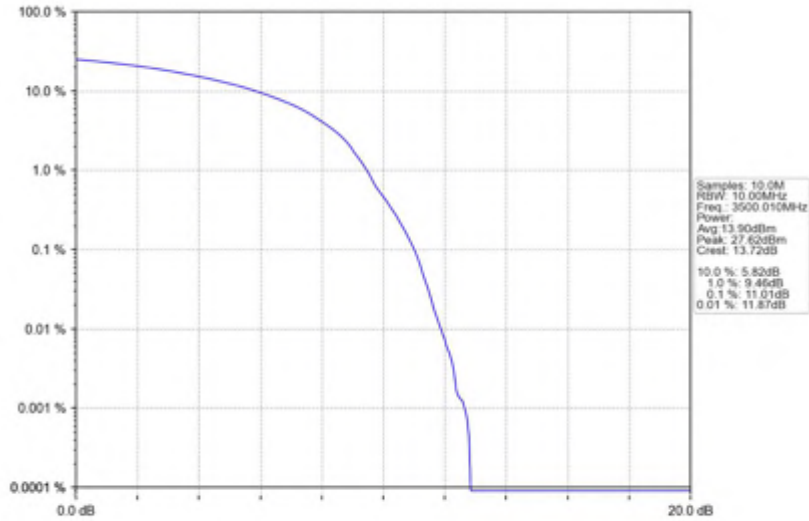
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 3529.98MHz Outer Full



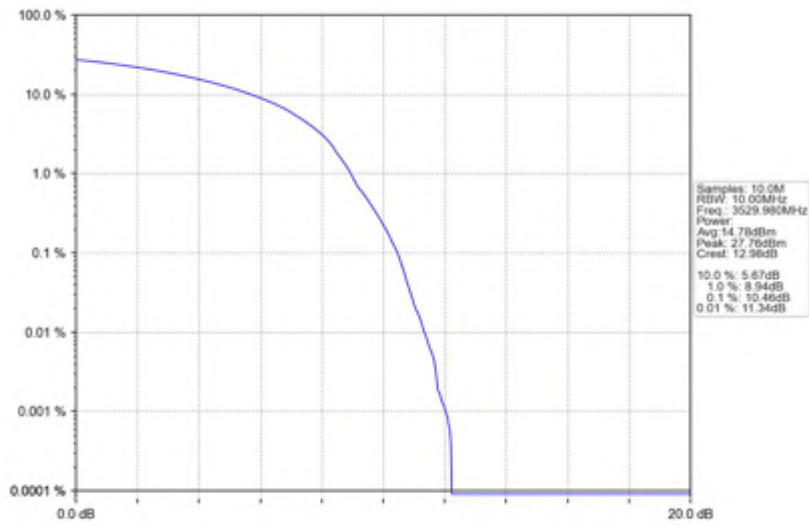
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3470.01MHz Outer Full



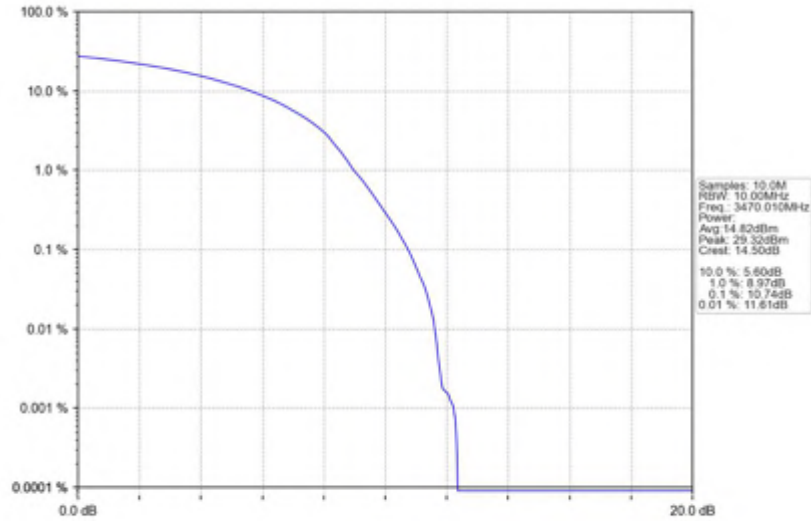
n78(3450-3550MHz) 30kHz_SISO_NTV_40MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full



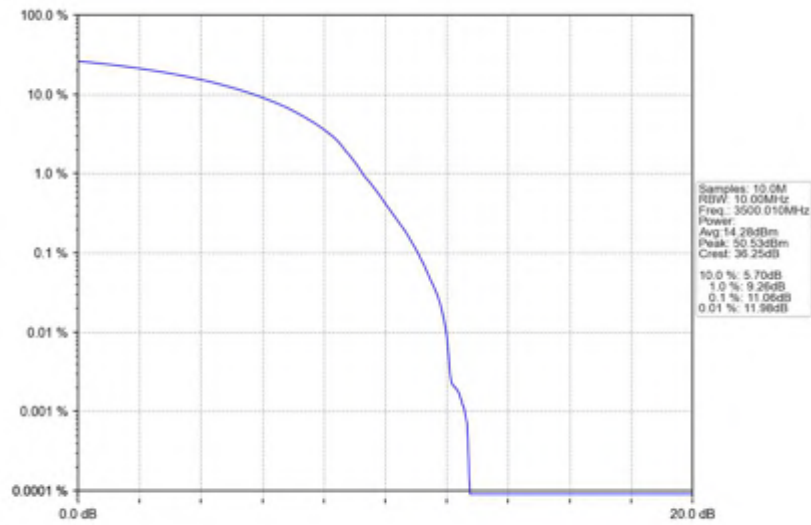
n78(3450-3550MHz) 30kHz_SISO_NTV_40MHz_DFT-s-OFDM_QPSK_3529.98MHz_Outer_Full



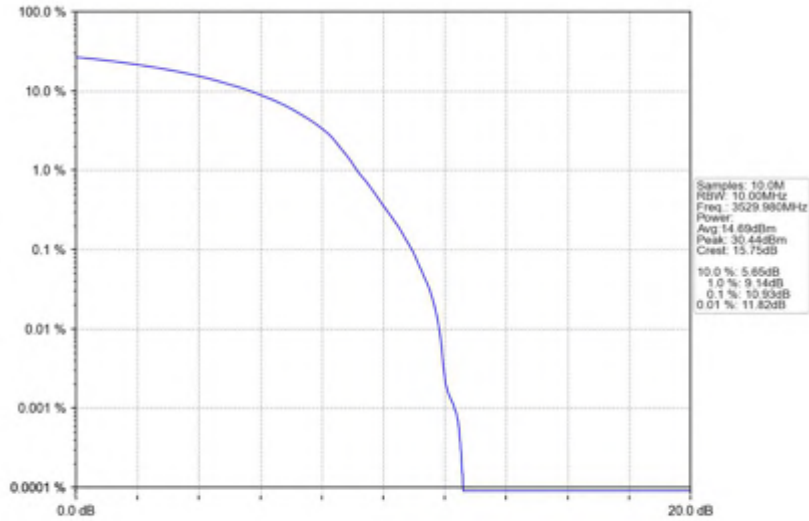
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_3470.01MHz_Outer_Full



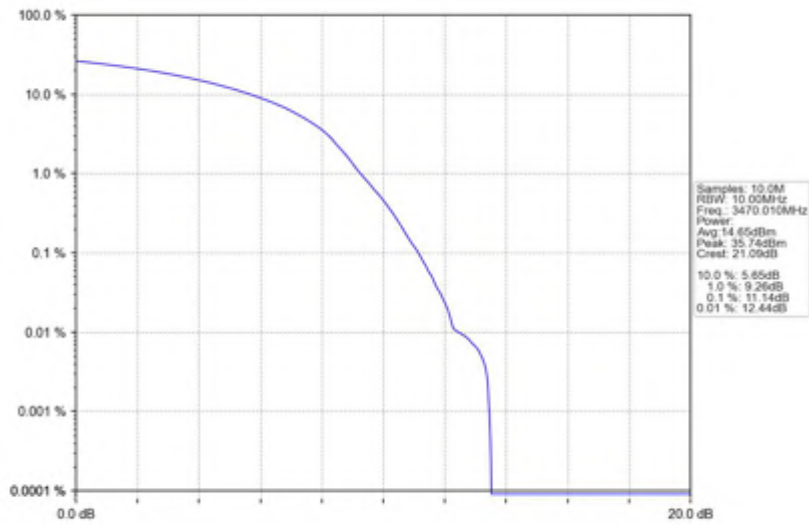
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full



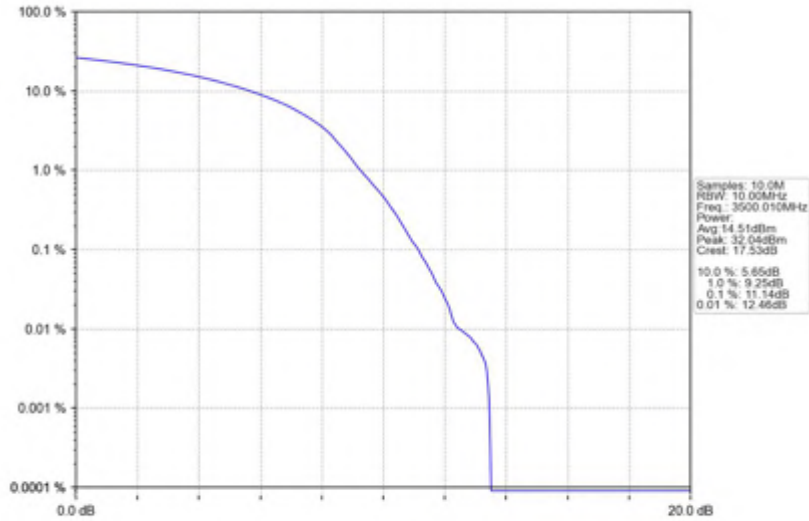
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_3529.98MHz_Outer_Full



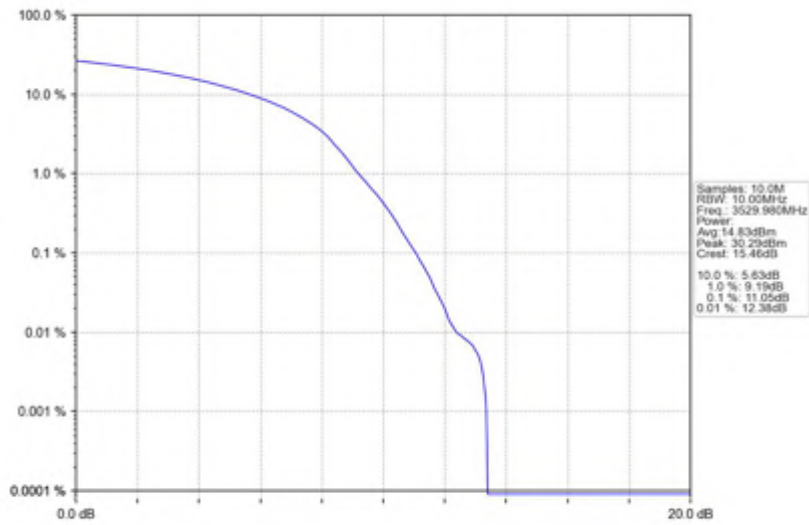
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_3470.01MHz_Outer_Full



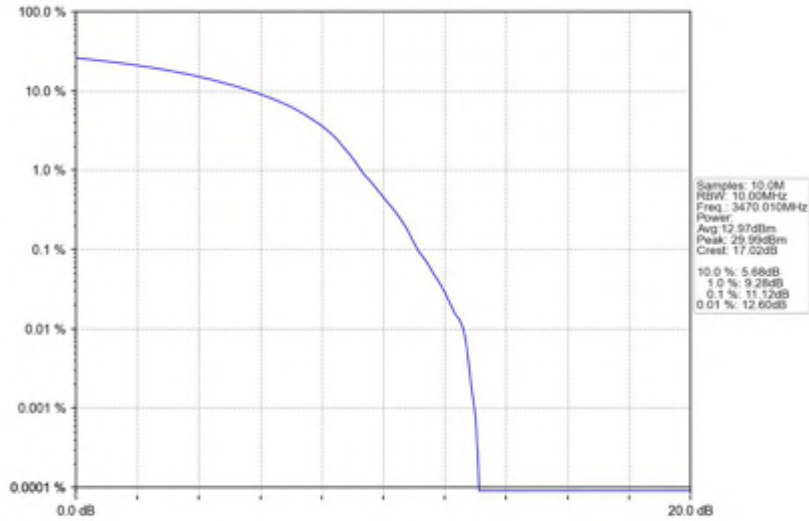
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full



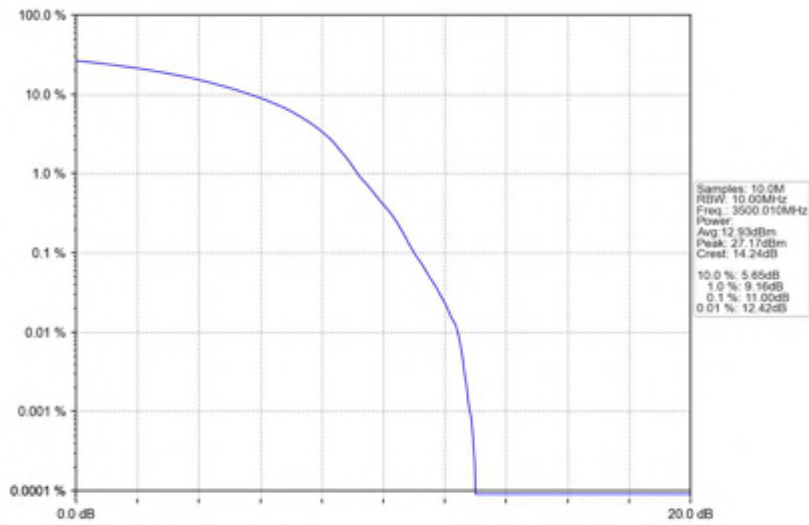
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_3529.98MHz_Outer_Full



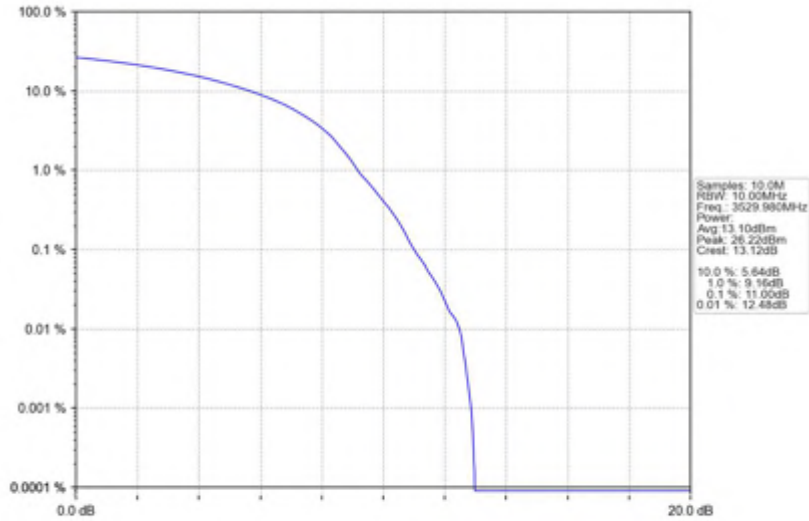
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3470.01MHz_Outer_Full



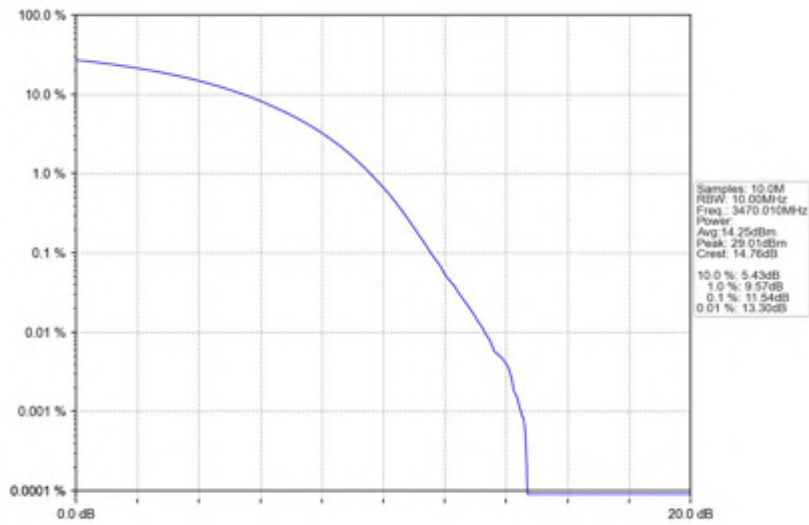
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full



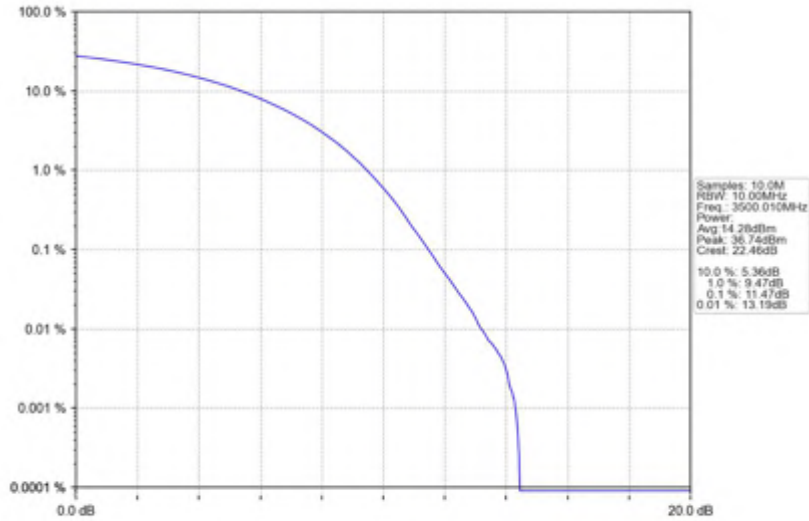
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 3529.98MHz Outer Full



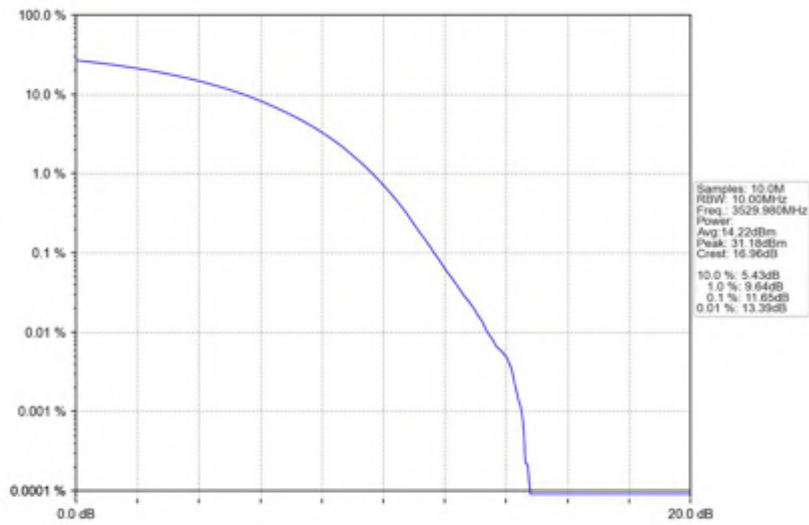
n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3470.01MHz Outer Full



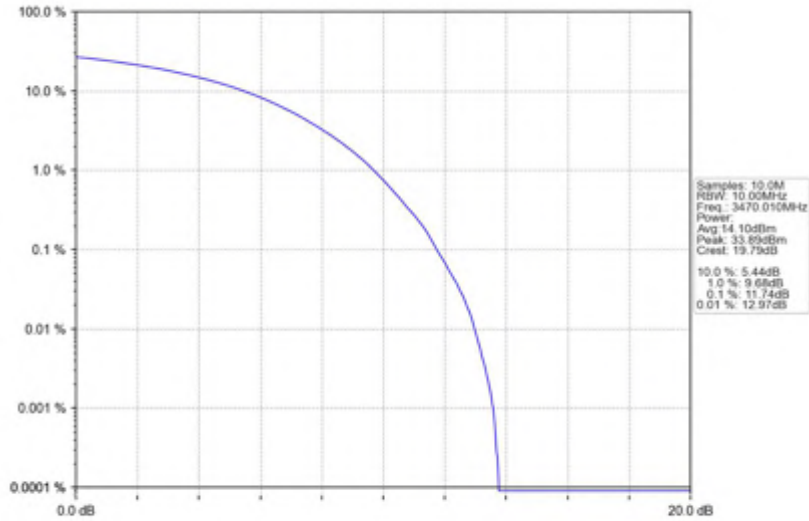
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full



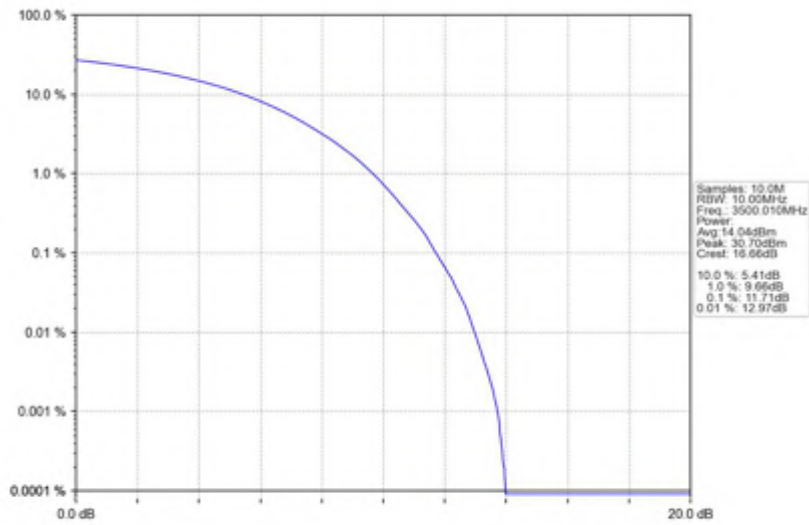
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3529.98MHz_Outer_Full



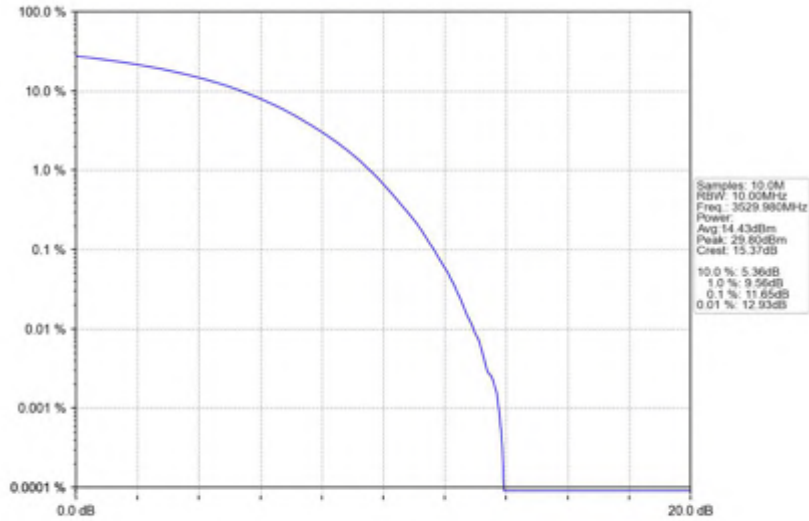
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_3470.01MHz_Outer_Full



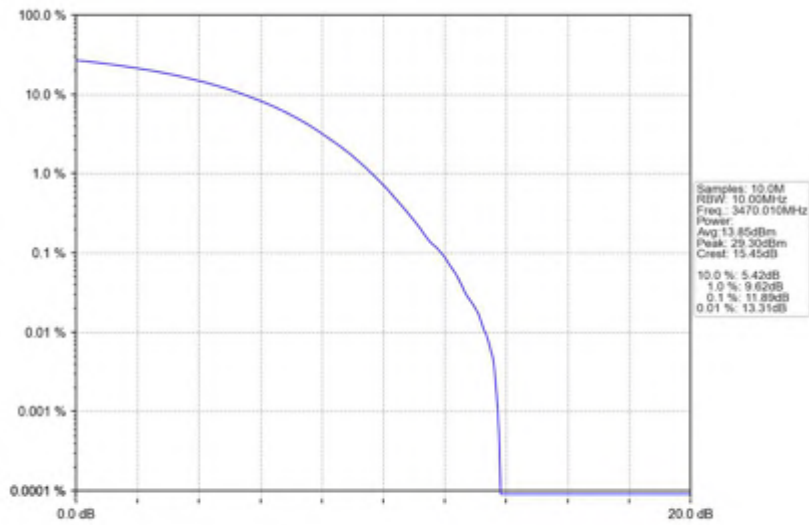
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full



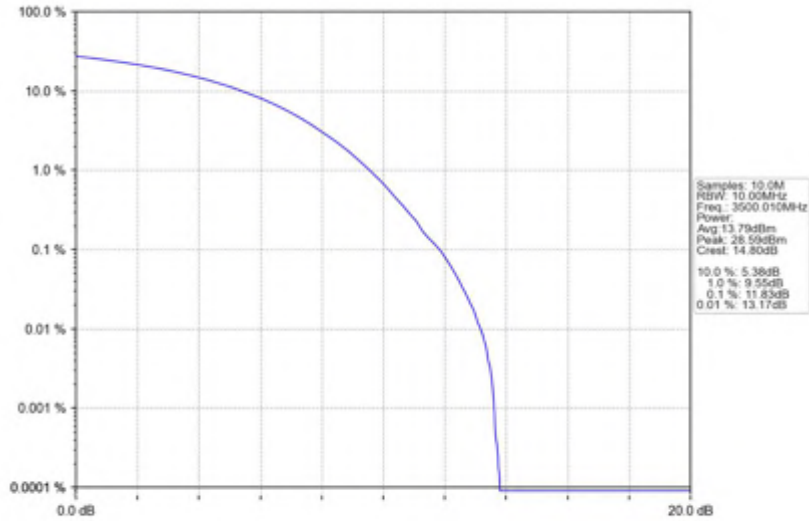
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_3529.98MHz_Outer_Full



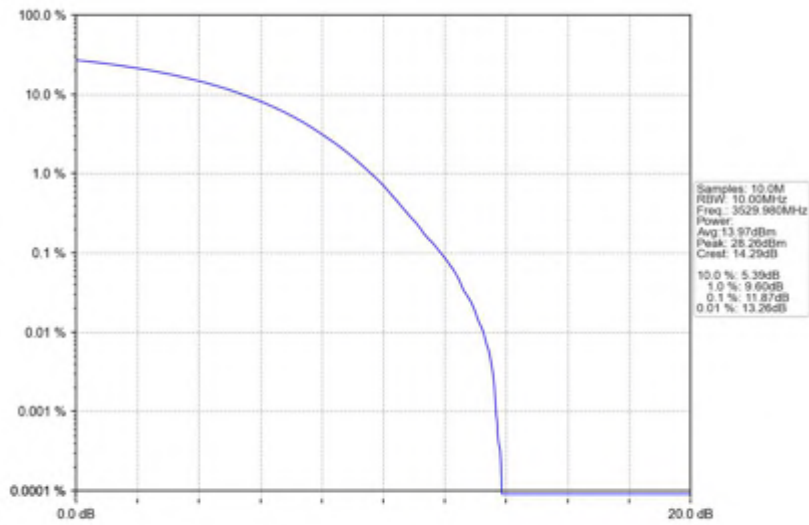
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_64_QAM_3470.01MHz_Outer_Full



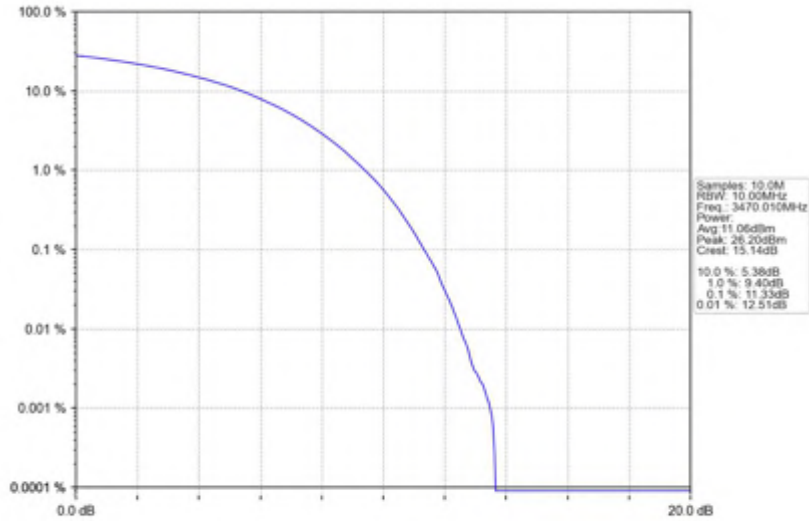
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full



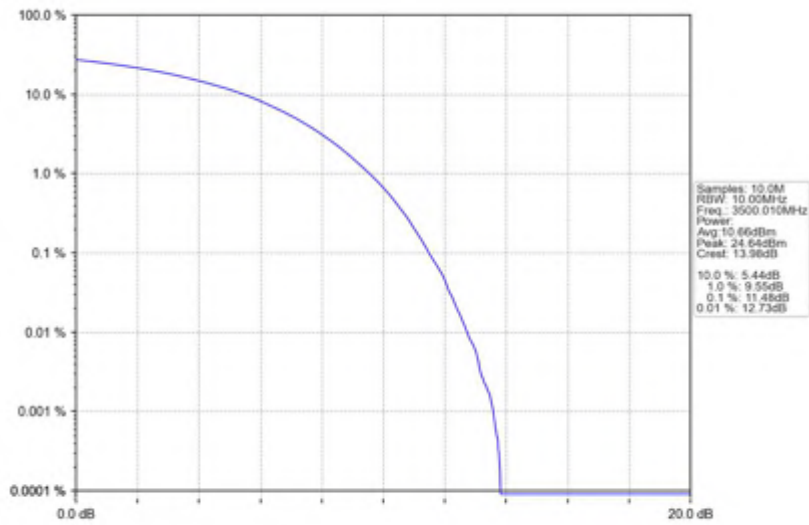
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_64_QAM_3529.98MHz_Outer_Full



n78(3450-3550MHz) 30kHz SISO NTV 40MHz CP-OFDM 256 QAM 3470.01MHz Outer Full

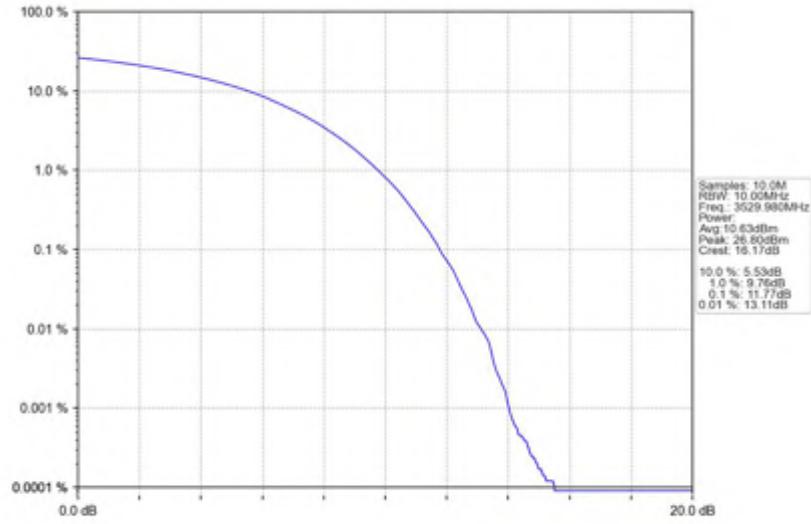


n78(3450-3550MHz) 30kHz SISO NTV 40MHz CP-OFDM 256 QAM 3500.01MHz Outer Full





n78(3450-3550MHz) 30kHz SISO NTV 40MHz CP-OFDM 256 QAM 3529.98MHz Outer Full



4.4 30k_SISO_50MHz_NTNV

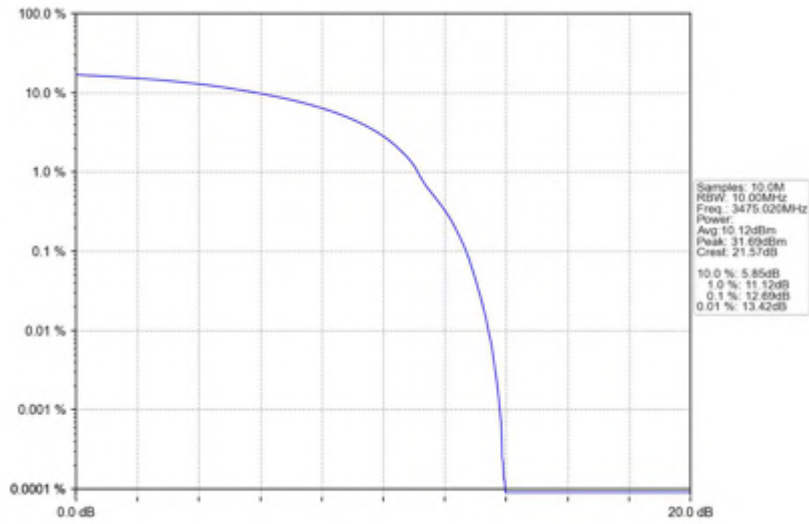
4.4.1 Test Result

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

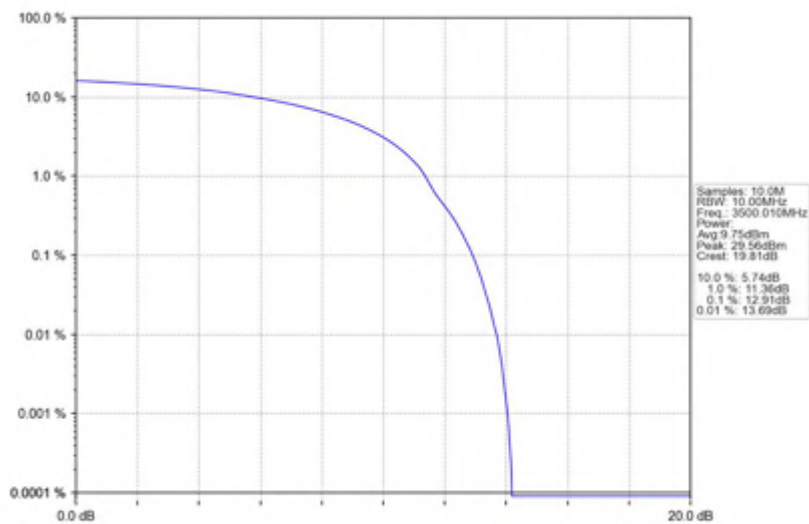


4.4.2 Test Graph

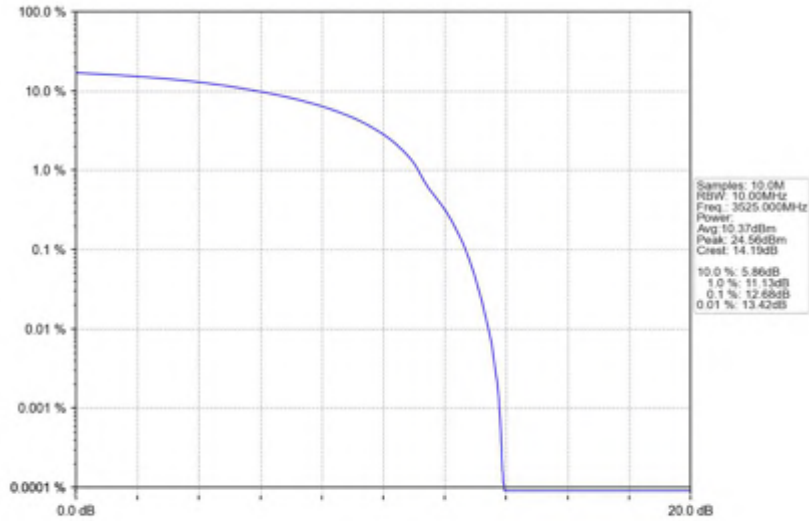
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Outer_Full



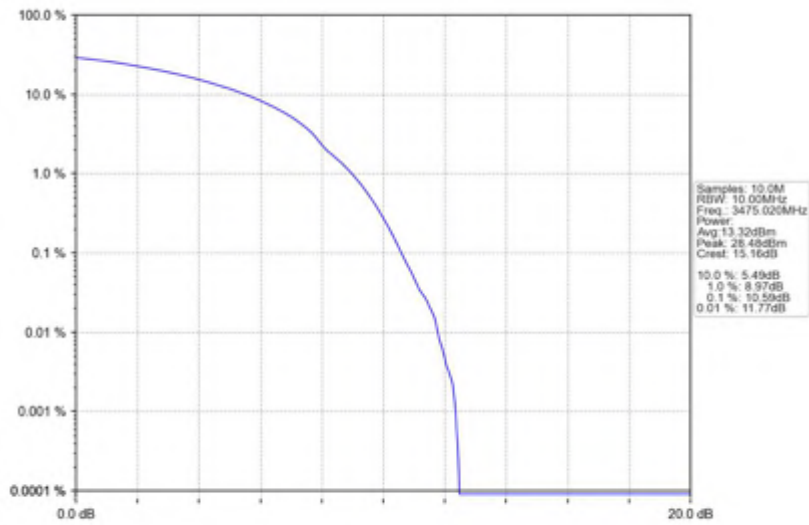
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



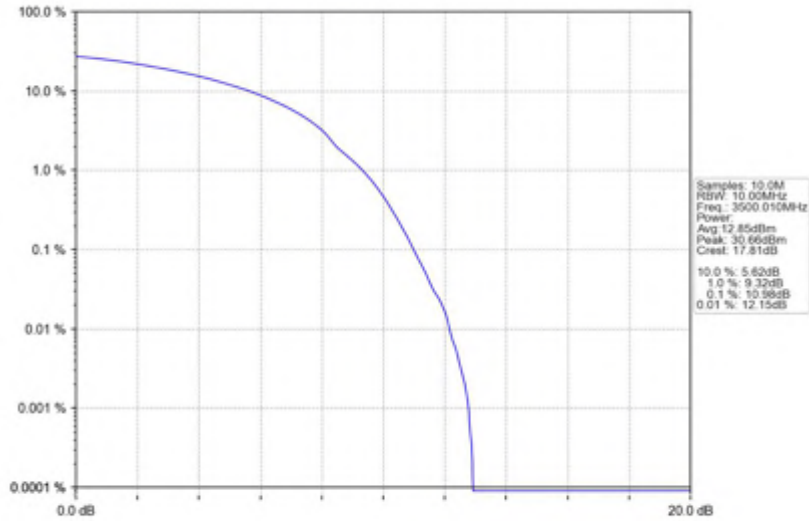
n78(3450-3550MHz) 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3525MHz Outer Full



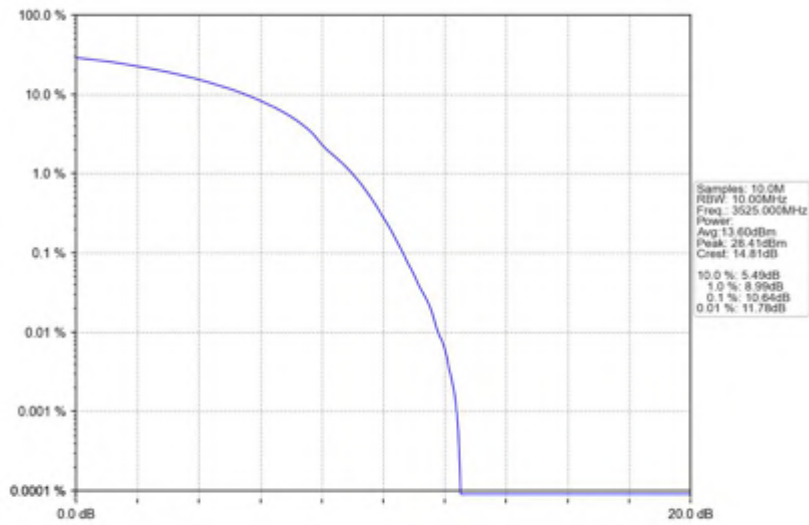
n78(3450-3550MHz) 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3475.02MHz Outer Full



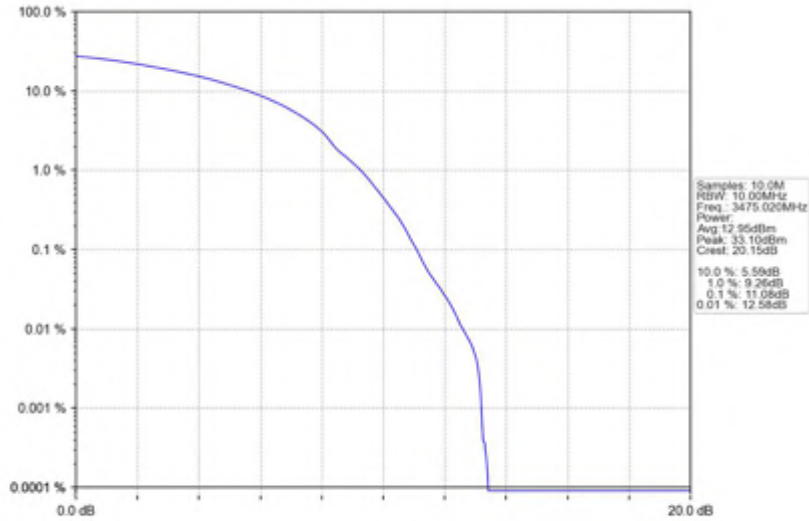
n78(3450-3550MHz) 30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full



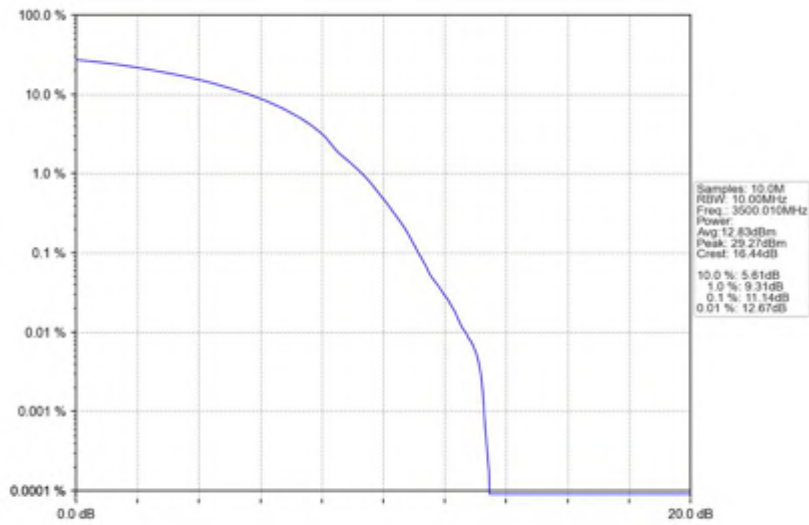
n78(3450-3550MHz) 30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3525MHz_Outer_Full



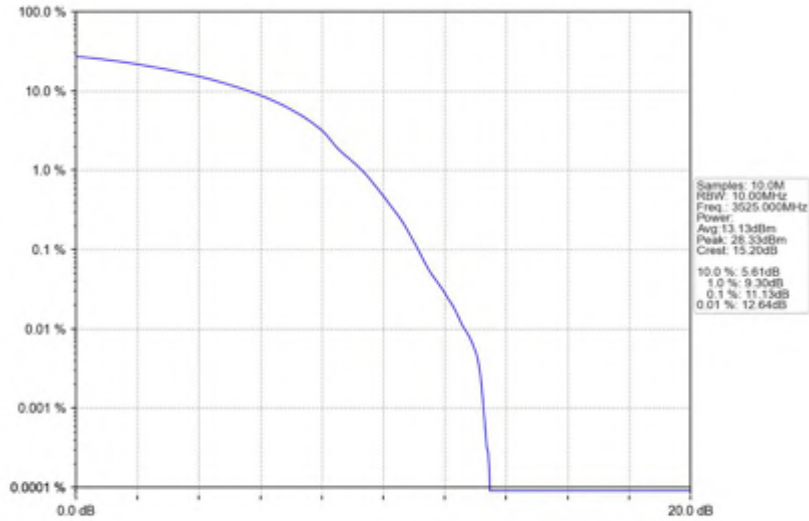
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3475.02MHz_Outer_Full



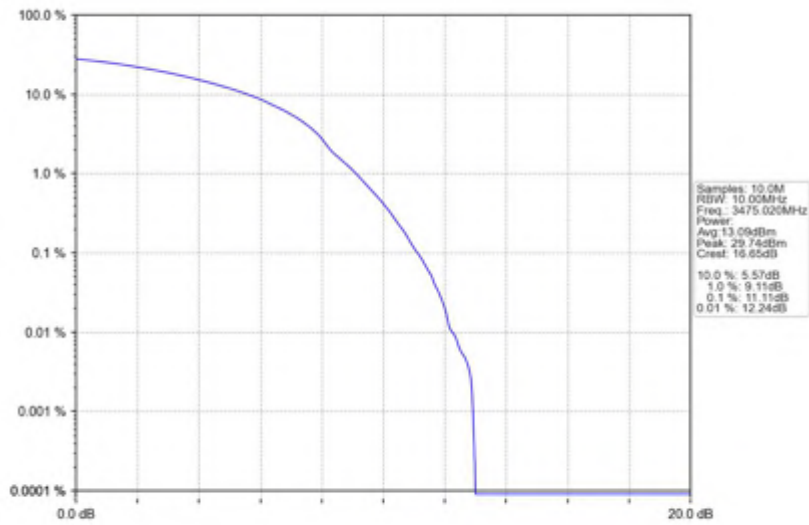
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full



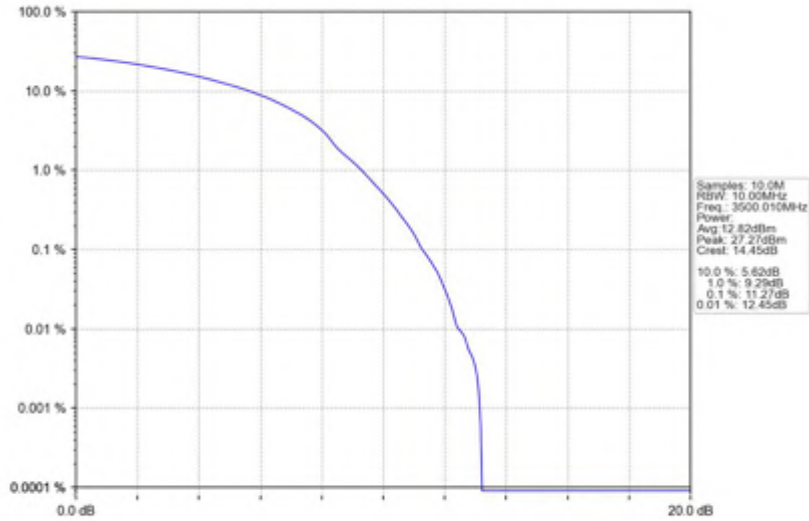
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3525MHz_Outer_Full



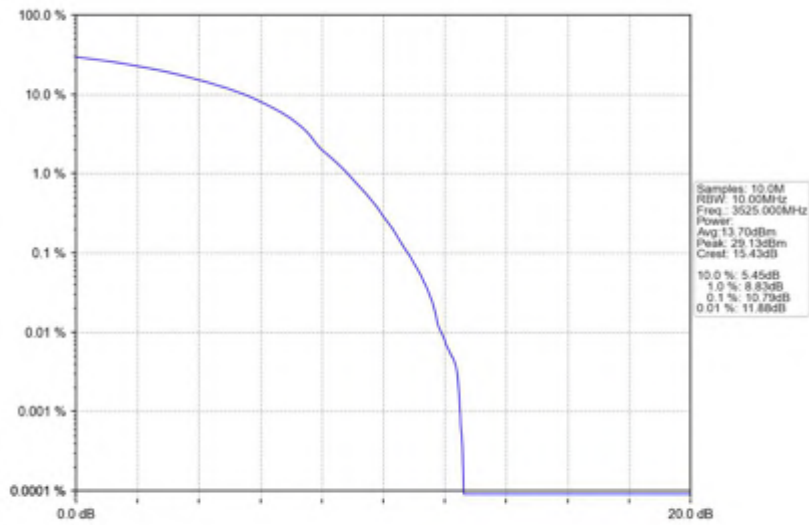
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3475.02MHz_Outer_Full



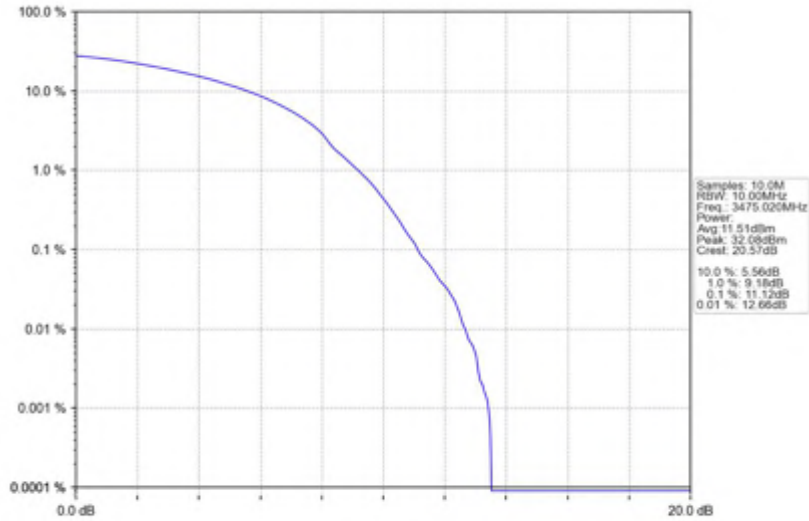
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full



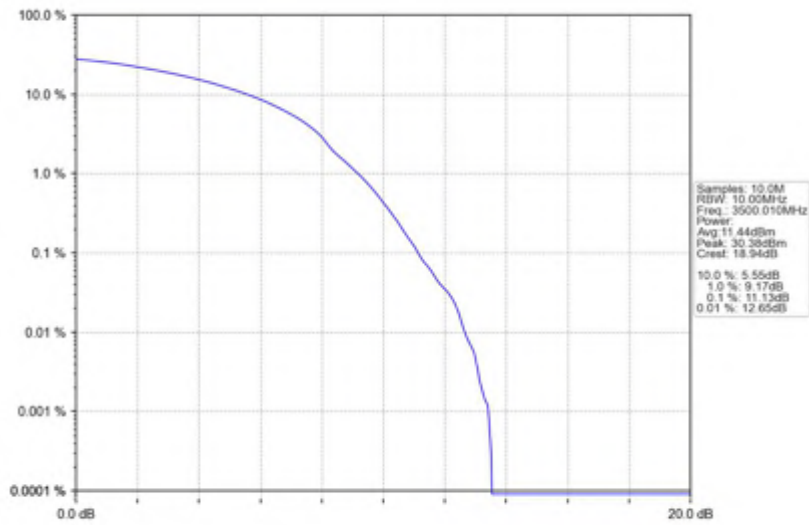
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3525MHz_Outer_Full



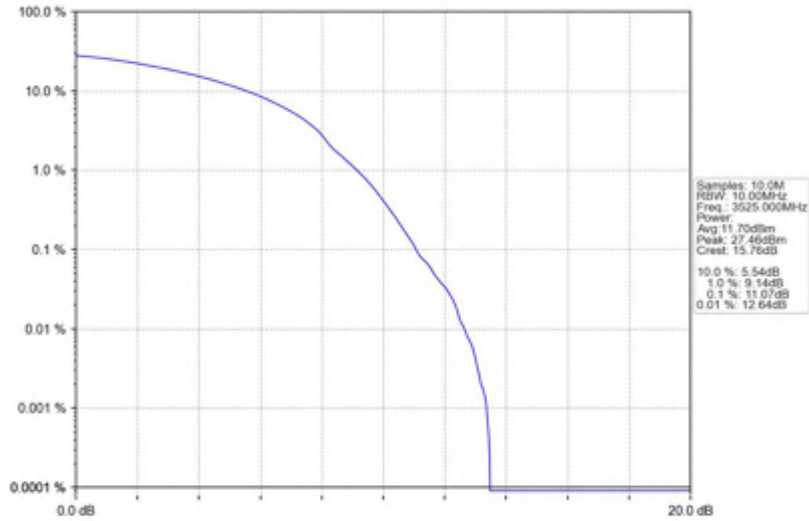
n78(3450-3550MHz) 30kHz SISO NTN 50MHz DFT-s-OFDM 256 QAM 3475.02MHz Outer Full



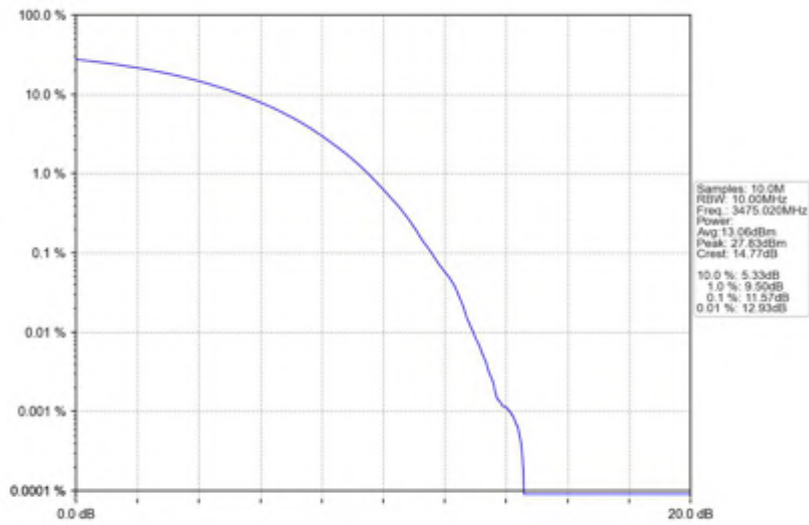
n78(3450-3550MHz) 30kHz SISO NTN 50MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full



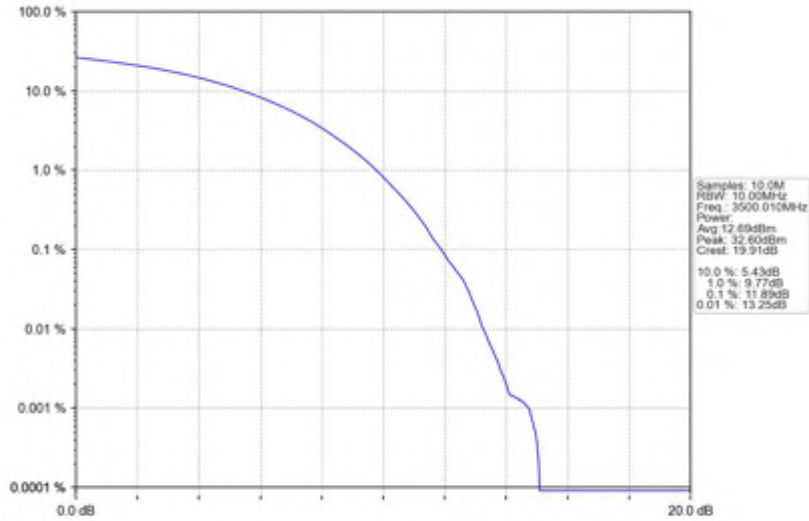
n78(3450-3550MHz) 30kHz SISO NTV 50MHz DFT-s-OFDM 256 QAM 3525MHz Outer Full



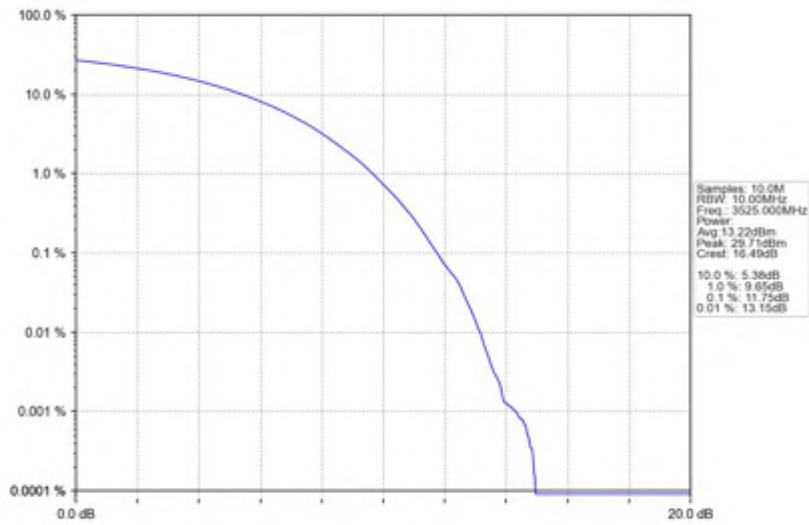
n78(3450-3550MHz) 30kHz SISO NTV 50MHz CP-OFDM QPSK 3475.02MHz Outer Full



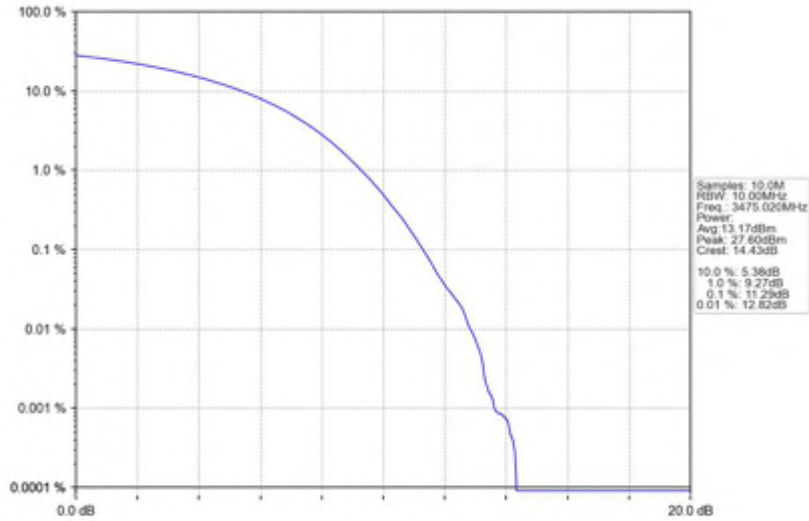
n78(3450-3550MHz) 30kHz SISO NTN 50MHz CP-OFDM QPSK 3500.01MHz Outer Full



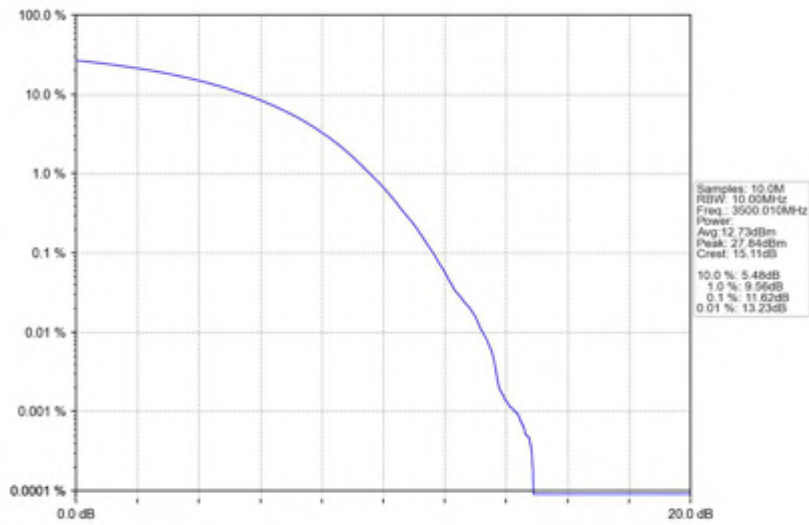
n78(3450-3550MHz) 30kHz SISO NTN 50MHz CP-OFDM QPSK 3525MHz Outer Full



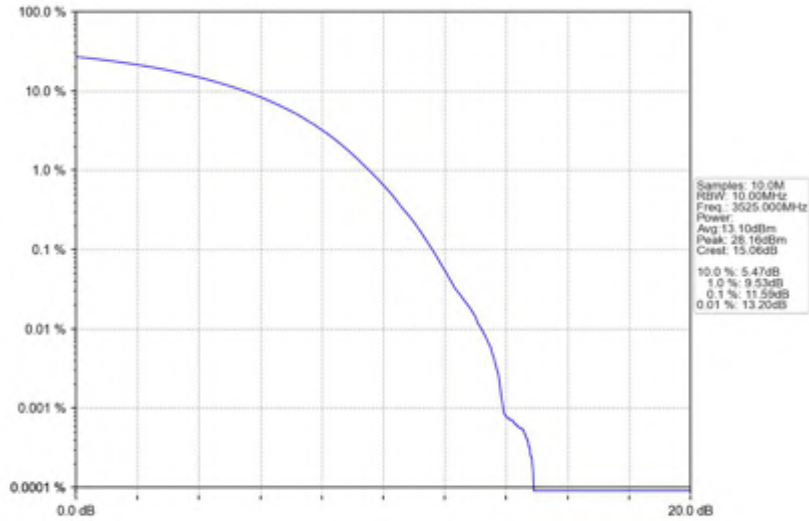
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM_16_QAM_3475.02MHz_Outer_Full



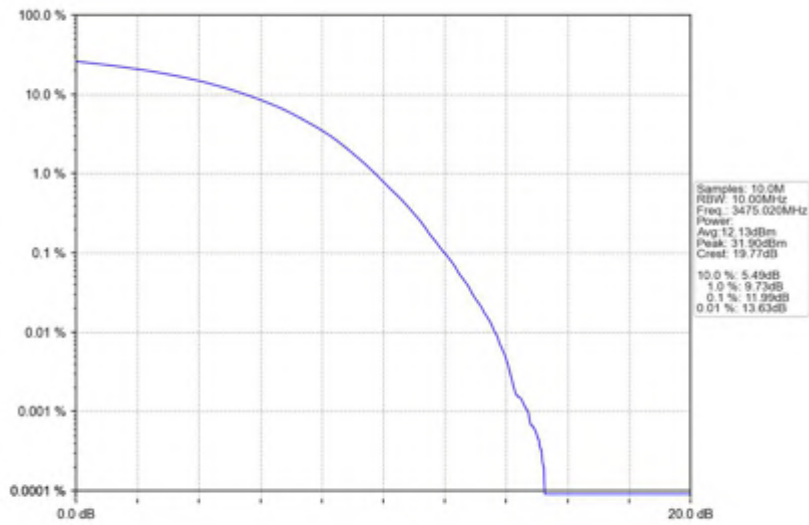
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full



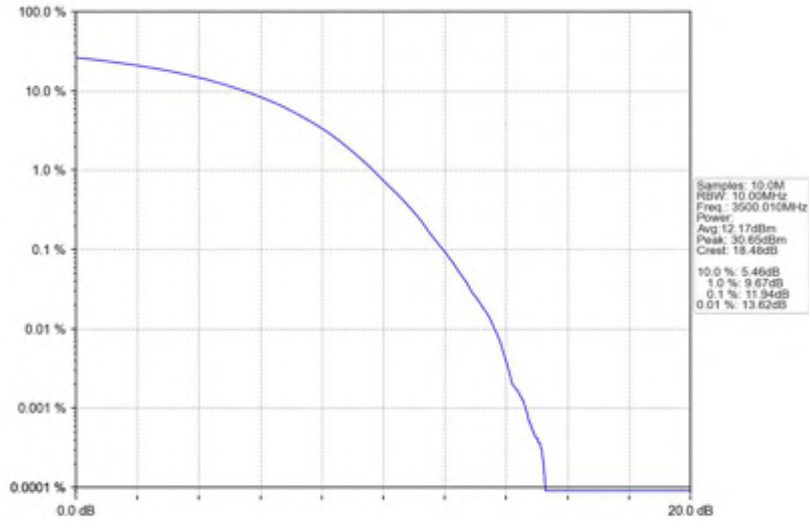
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM_16_QAM_3525MHz_Outer_Full



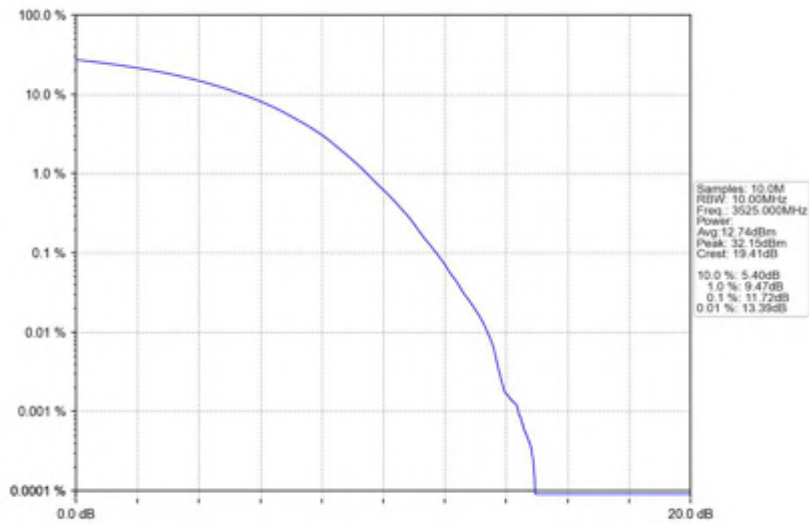
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM_64_QAM_3475.02MHz_Outer_Full



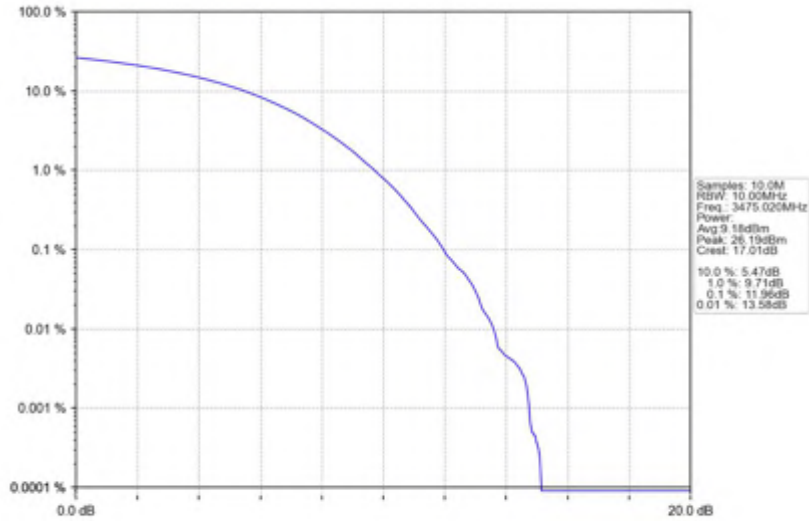
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full



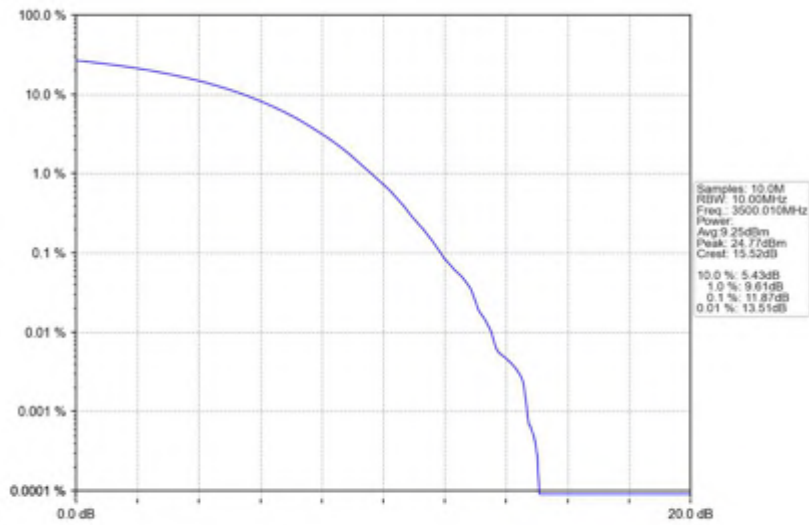
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM_64_QAM_3525MHz_Outer_Full



n78(3450-3550MHz) 30kHz SISO NTV 50MHz CP-OFDM 256 QAM 3475.02MHz Outer Full

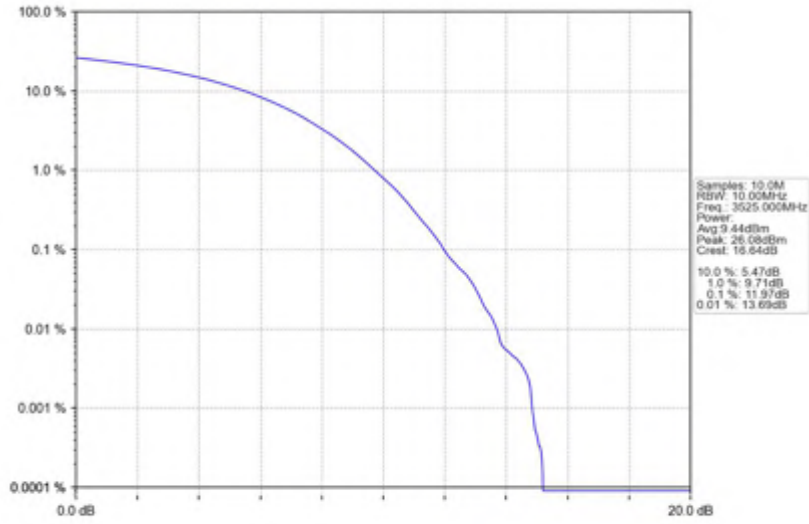


n78(3450-3550MHz) 30kHz SISO NTV 50MHz CP-OFDM 256 QAM 3500.01MHz Outer Full





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



4.5 30k_SISO_60MHz_NTNV

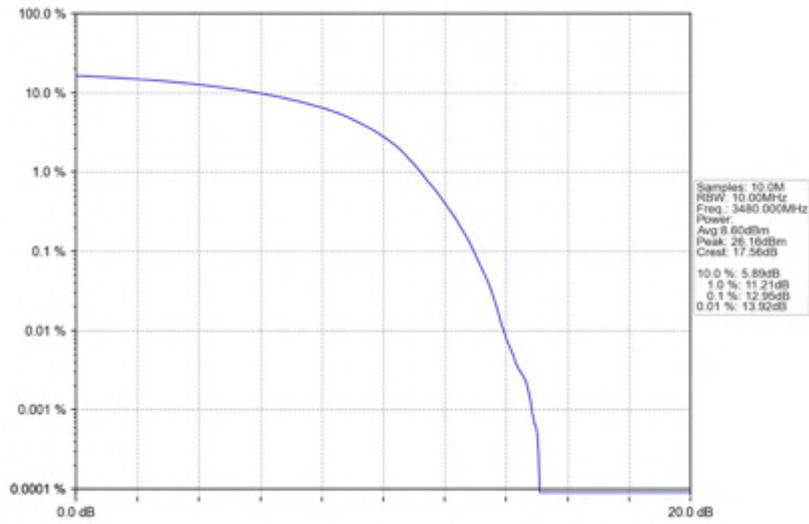
4.5.1 Test Result

5G NR n78(3450-3550MHz) SCS=30kHz SISO 60MHz NTV							
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

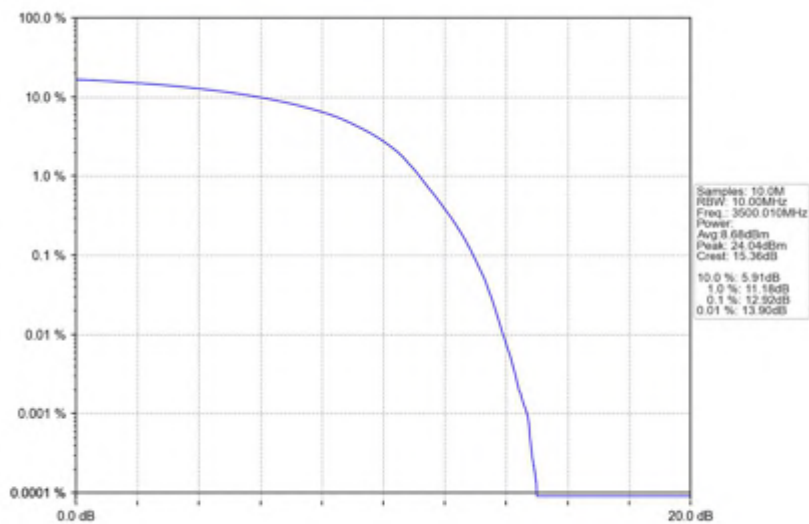


4.5.2 Test Graph

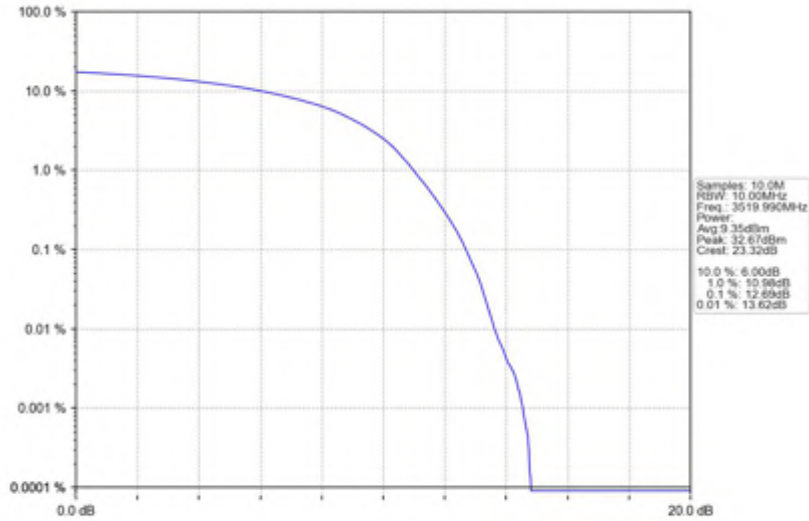
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_PI/2_BPSK_3480MHz_Outer_Full



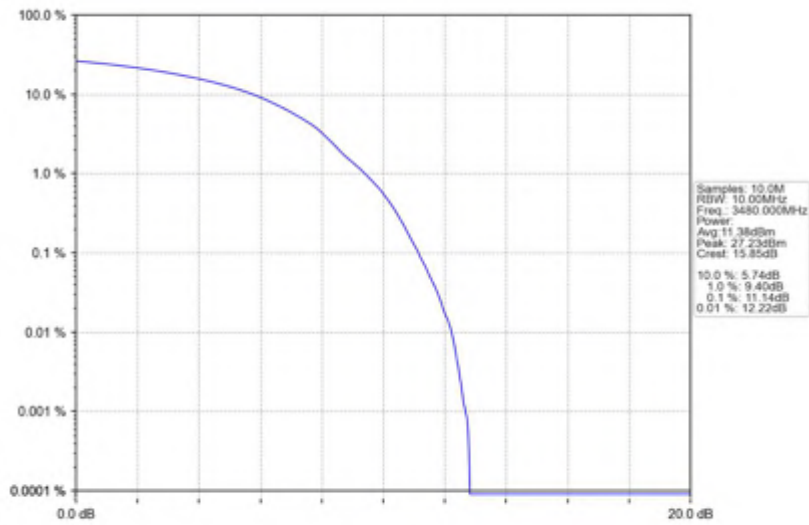
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Outer_Full



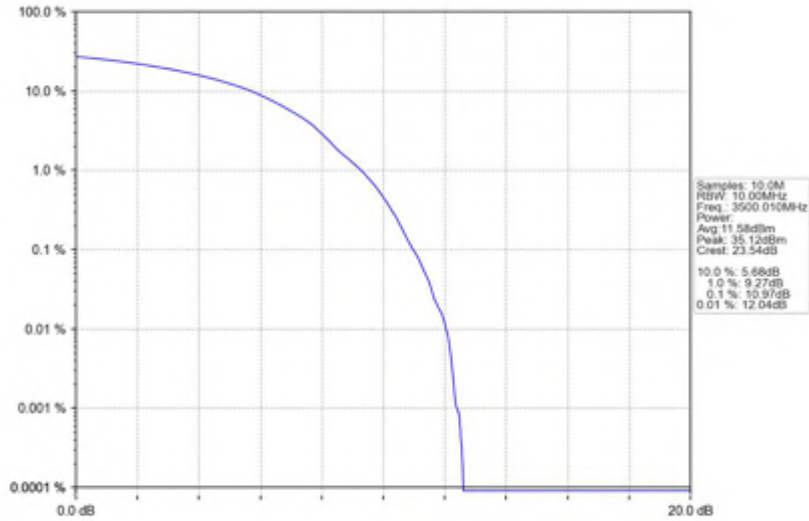
n78(3450-3550MHz) 30kHz SISO NTN 60MHz DFT-s-OFDM PI/2 BPSK 3519.99MHz Outer Full



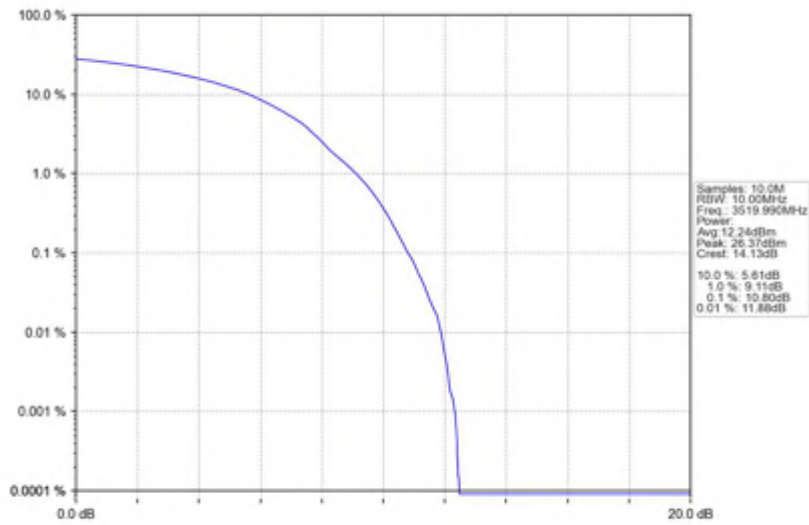
n78(3450-3550MHz) 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3480MHz Outer Full



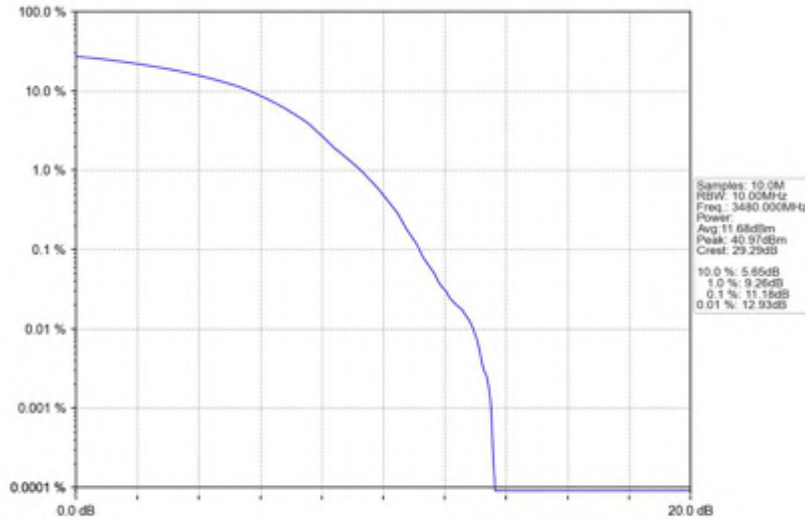
n78(3450-3550MHz) 30kHz SISO NTV 60MHz DFT-s-OFDM QPSK 3500.01MHz Outer Full



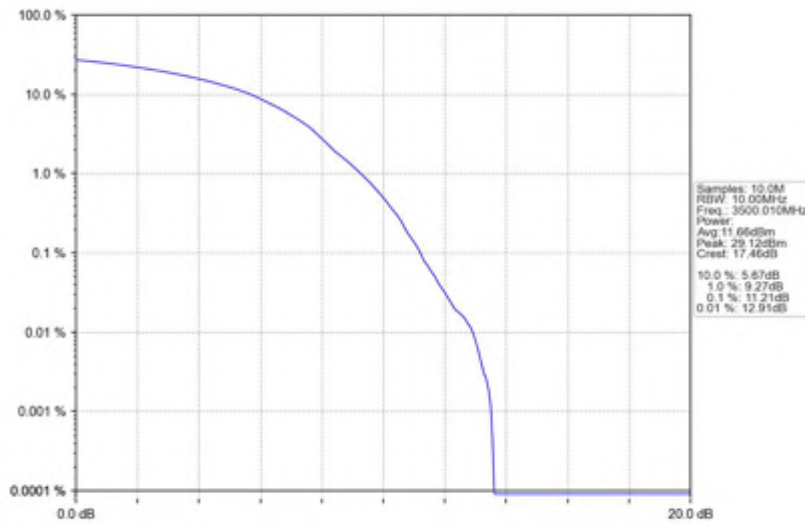
n78(3450-3550MHz) 30kHz SISO NTV 60MHz DFT-s-OFDM QPSK 3519.99MHz Outer Full



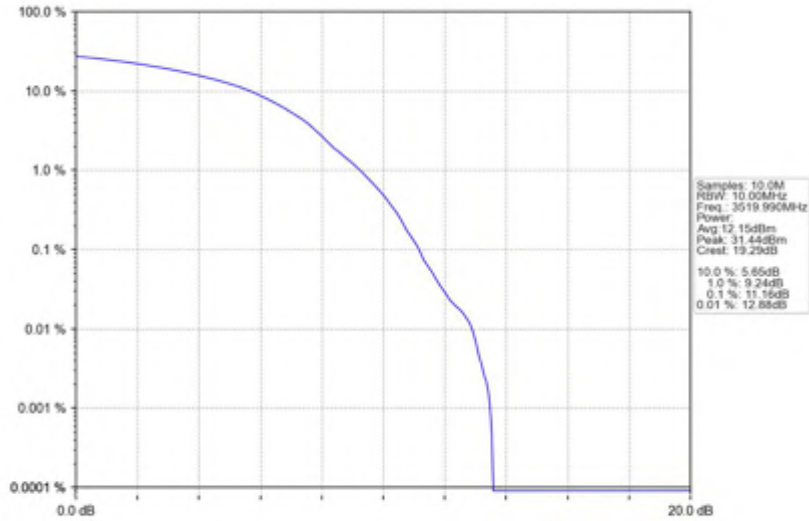
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_3480MHz_Outer_Full



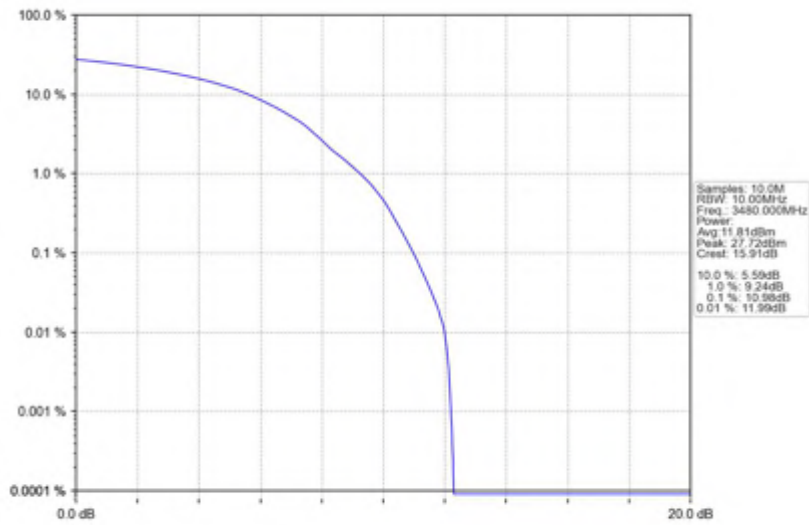
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full



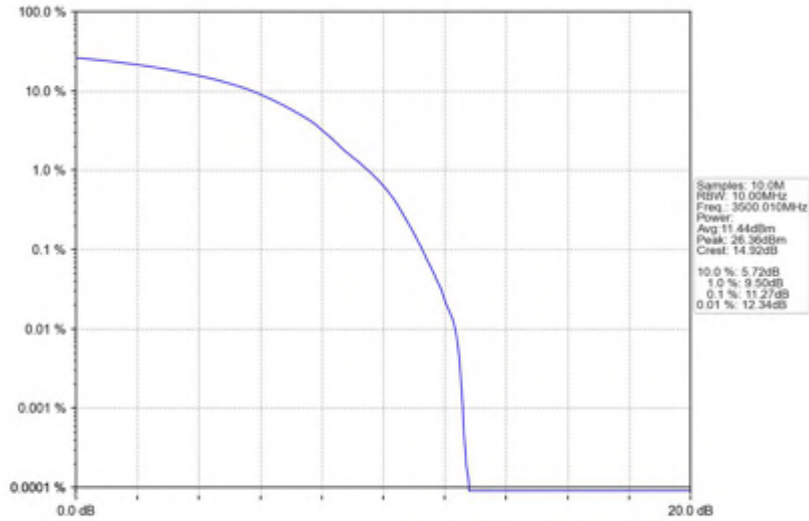
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_3519.99MHz_Outer_Full



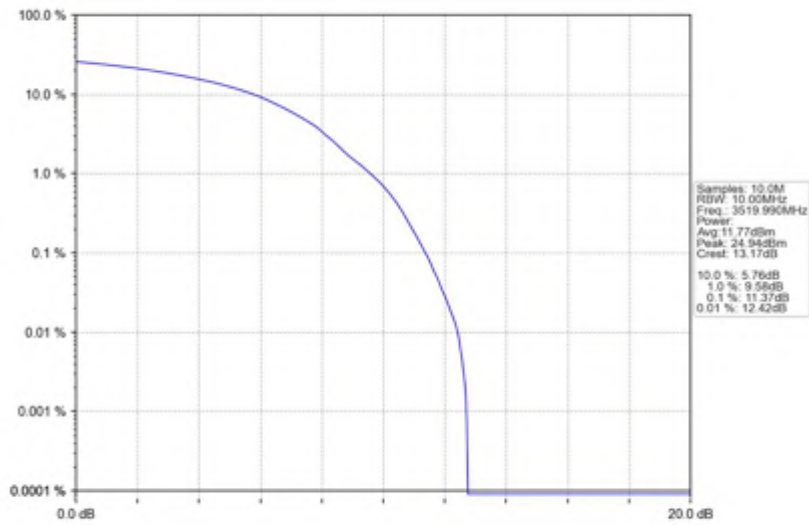
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_64_QAM_3480MHz_Outer_Full



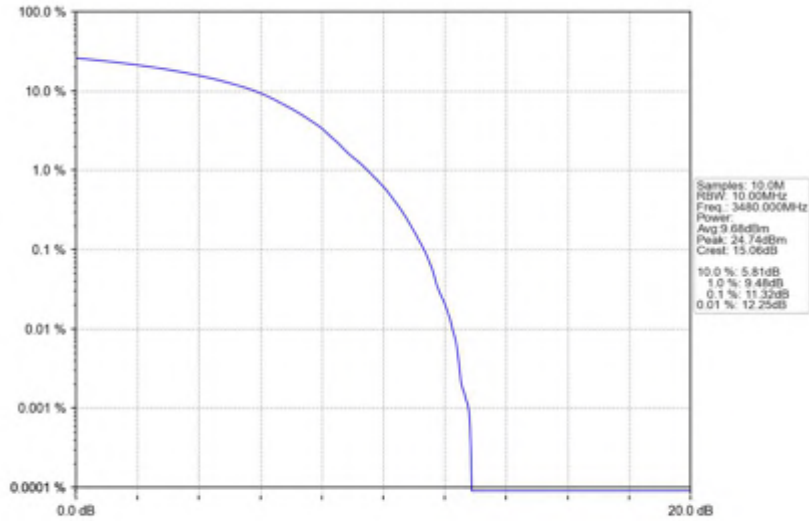
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full



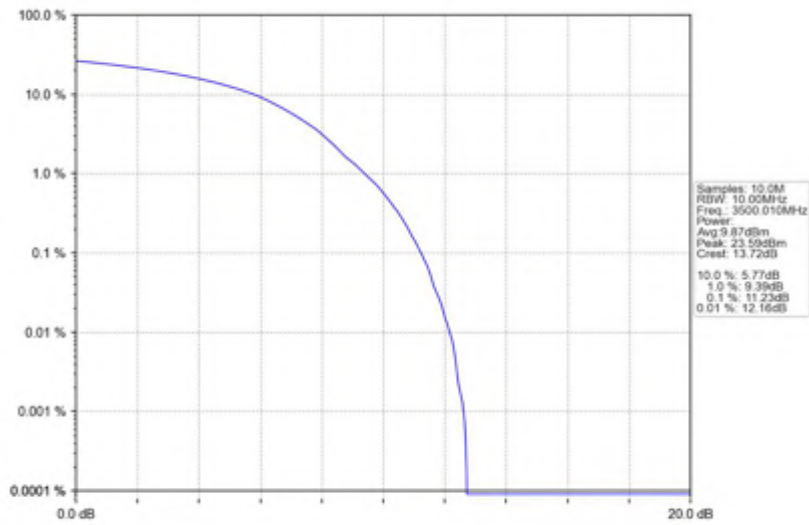
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_64_QAM_3519.99MHz_Outer_Full



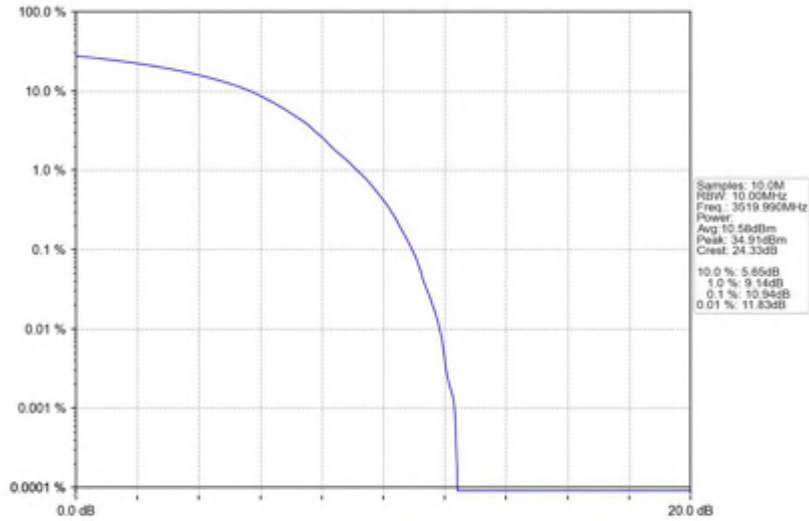
n78(3450-3550MHz) 30kHz SISO NTV 60MHz DFT-s-OFDM 256 QAM 3480MHz Outer Full



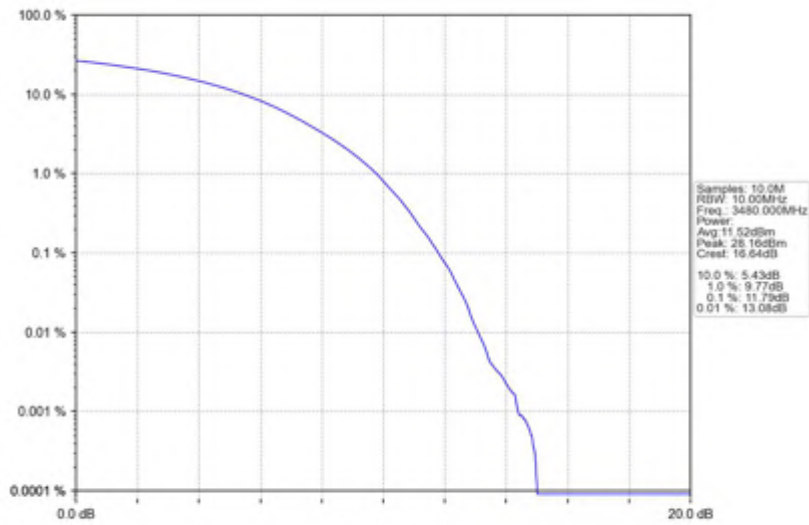
n78(3450-3550MHz) 30kHz SISO NTV 60MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full



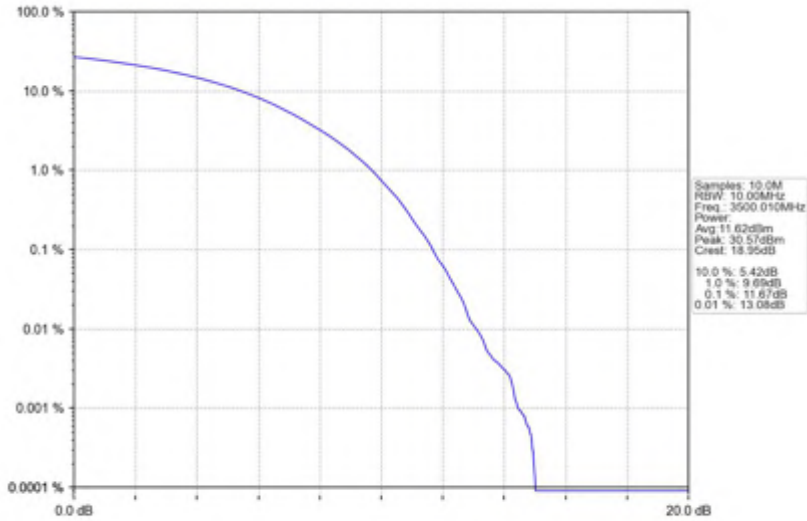
n78(3450-3550MHz) 30kHz SISO NTN 60MHz DFT-s-OFDM 256 QAM 3519.99MHz Outer Full



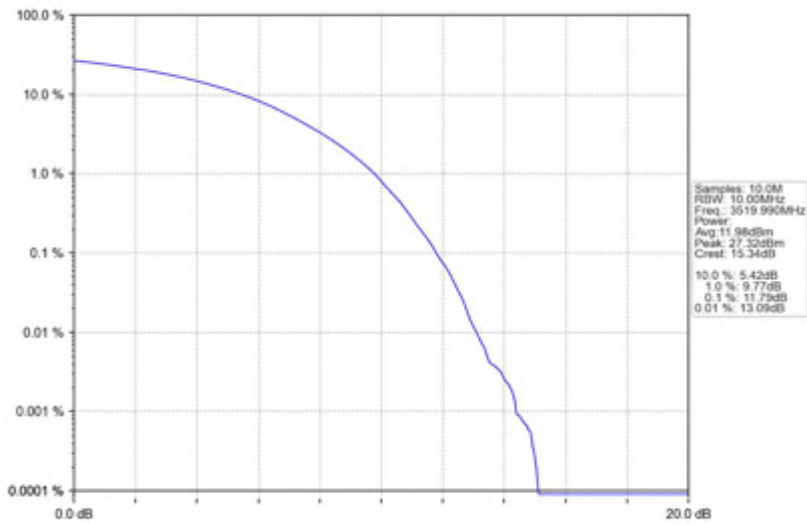
n78(3450-3550MHz) 30kHz SISO NTN 60MHz CP-OFDM QPSK 3480MHz Outer Full



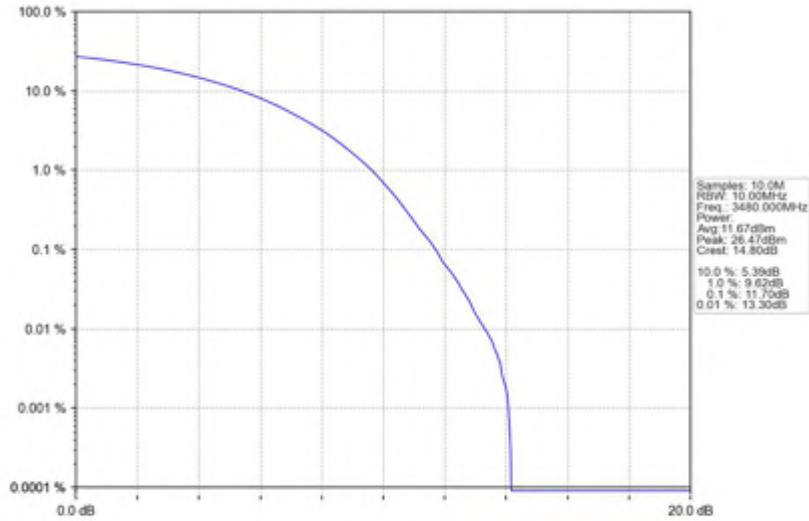
n78(3450-3550MHz) 30kHz_SISO_NTNV_60MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full



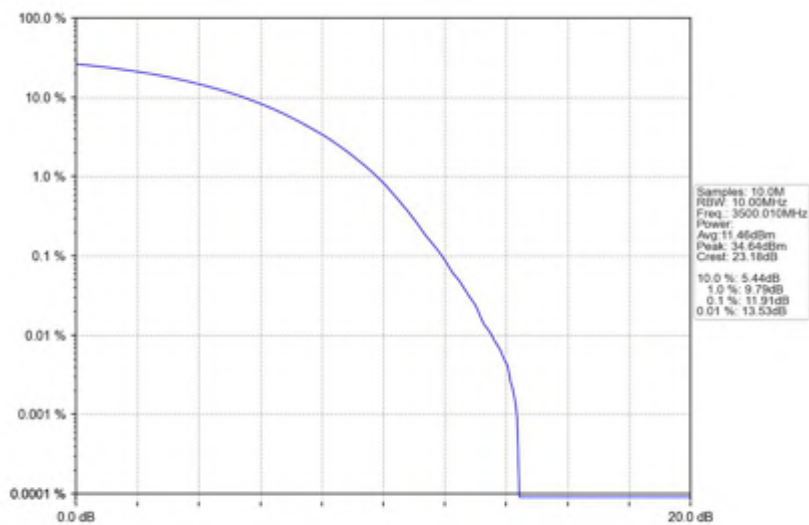
n78(3450-3550MHz) 30kHz_SISO_NTNV_60MHz_CP-OFDM_QPSK_3519.99MHz_Outer_Full



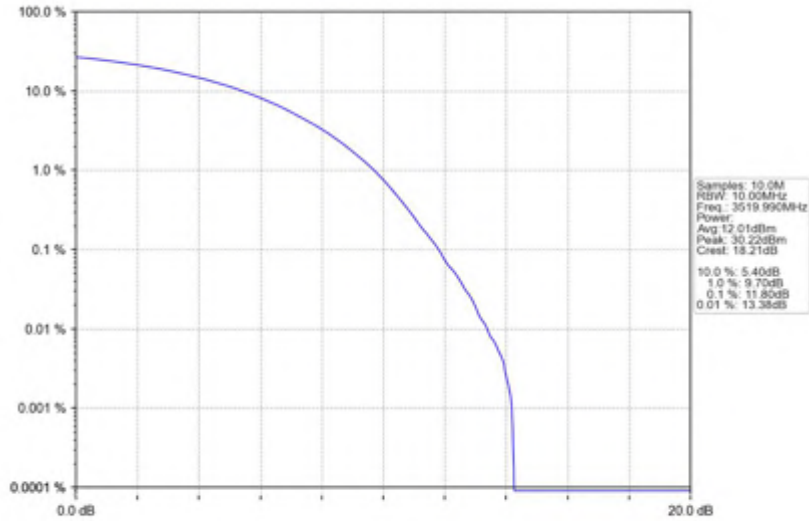
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_16_QAM_3480MHz_Outer_Full



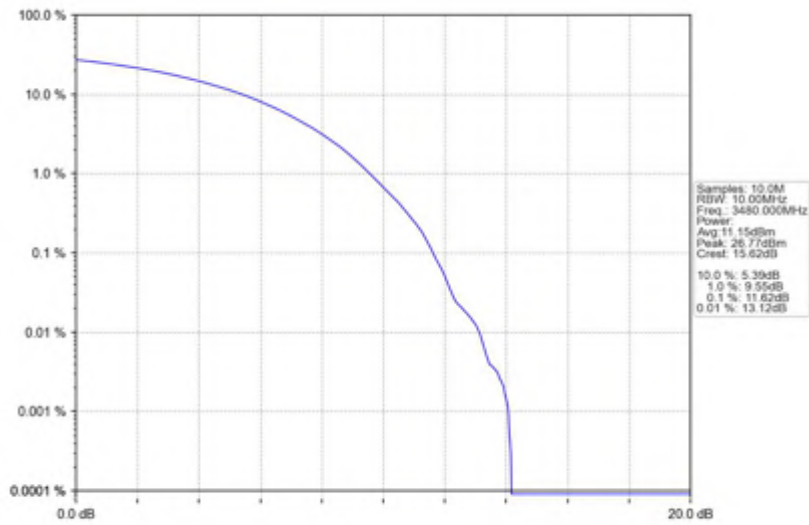
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full



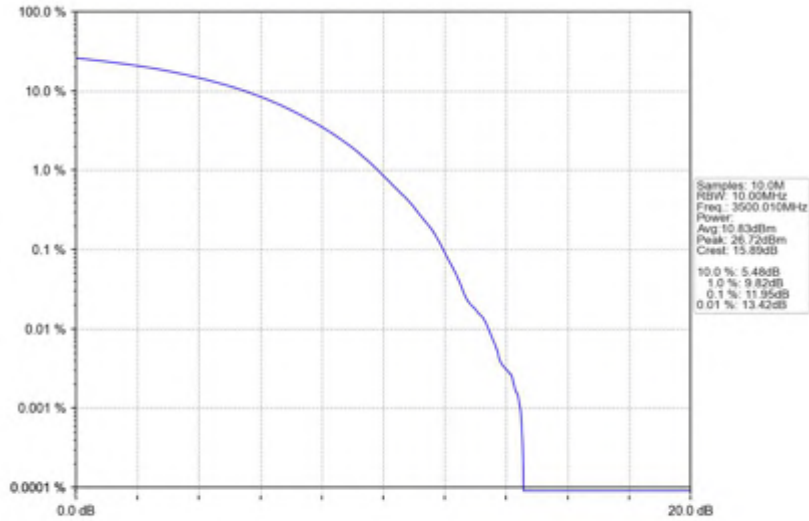
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_16_QAM_3519.99MHz_Outer_Full



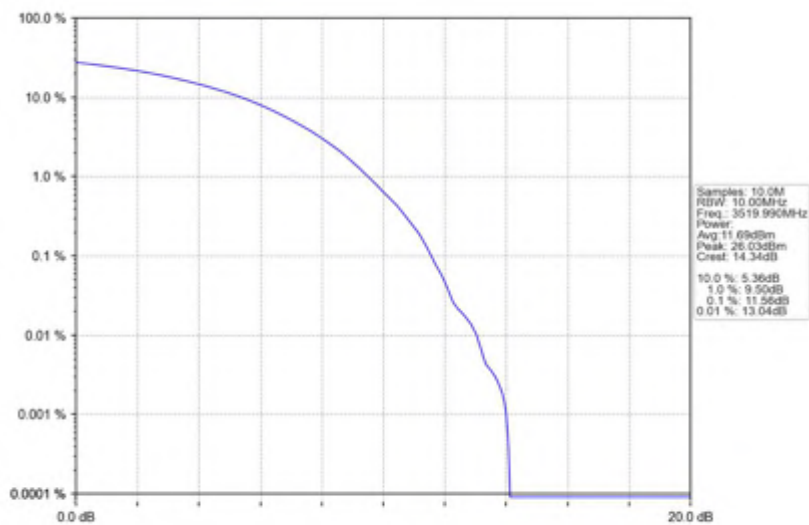
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_64_QAM_3480MHz_Outer_Full



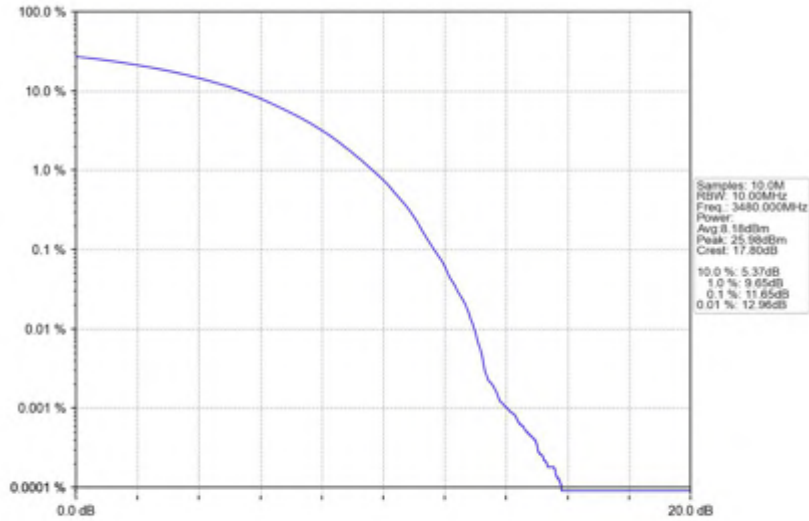
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full



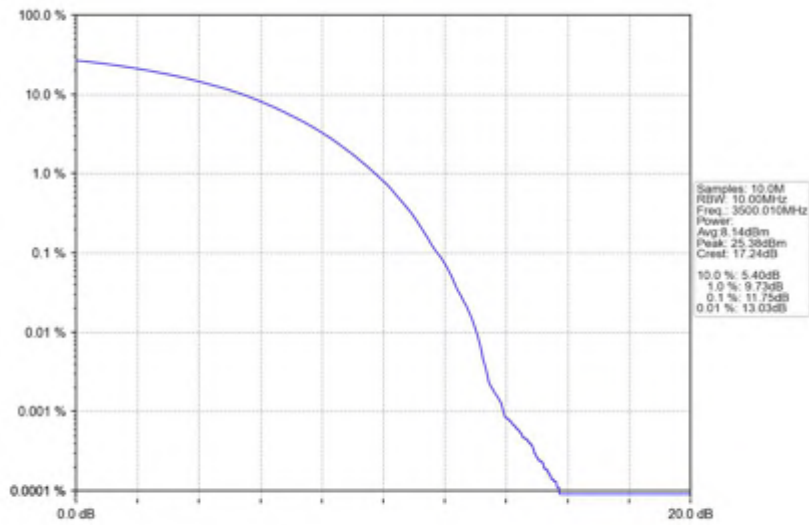
n78(3450-3550MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM_64_QAM_3519.99MHz_Outer_Full



n78(3450-3550MHz) 30kHz SISO NTN 60MHz CP-OFDM 256 QAM 3480MHz Outer Full

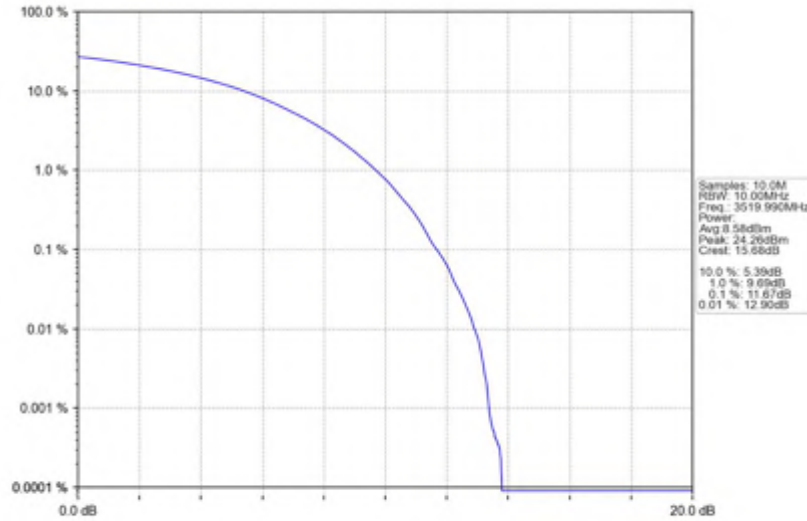


n78(3450-3550MHz) 30kHz SISO NTN 60MHz CP-OFDM 256 QAM 3500.01MHz Outer Full





n78(3450-3550MHz) 30kHz SISO NTV 60MHz CP-OFDM 256 QAM 3519.99MHz Outer Full



4.6 30k_SISO_70MHz_NTNV

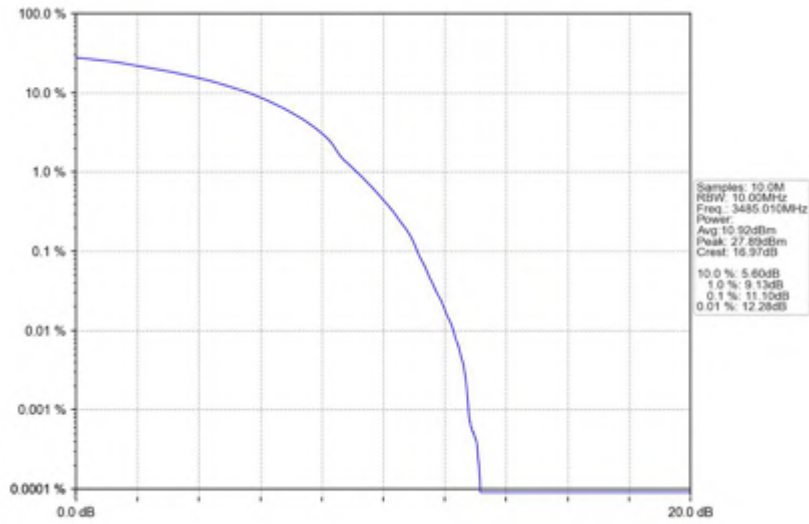
4.6.1 Test Result

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

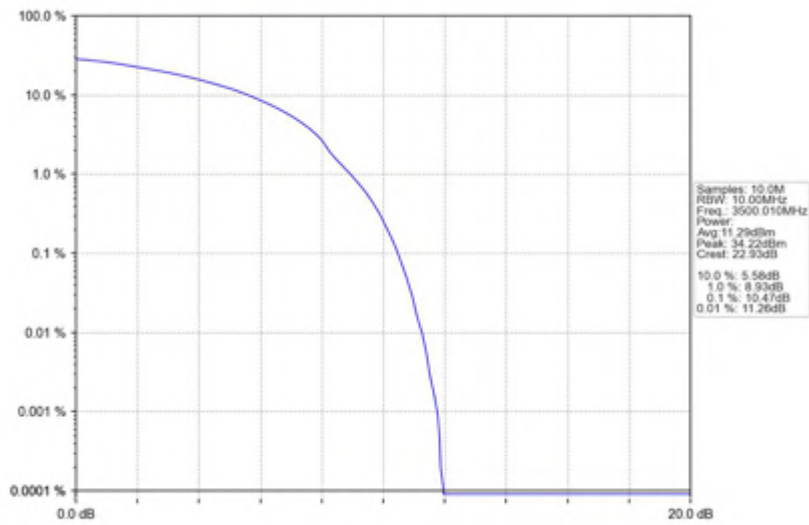


4.6.2 Test Graph

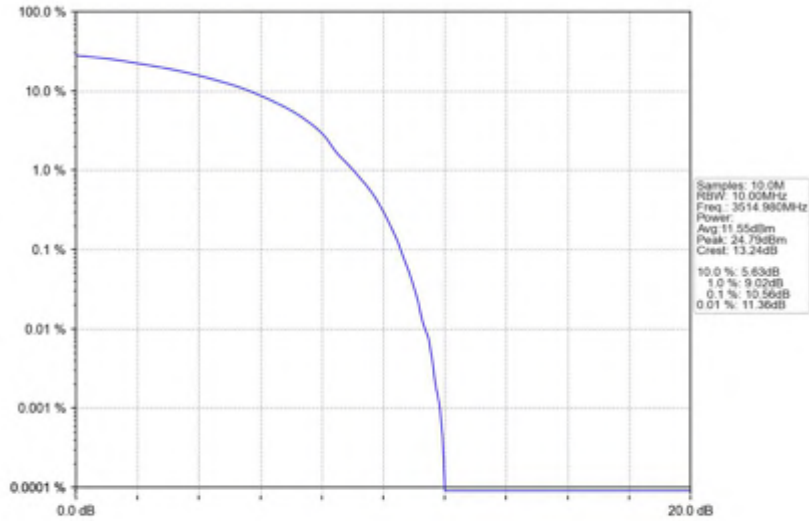
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3485.01MHz_Outer_Full



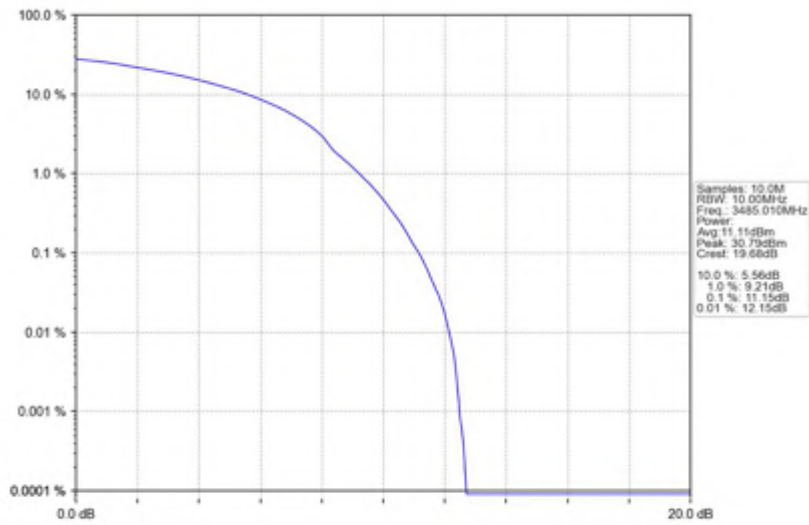
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



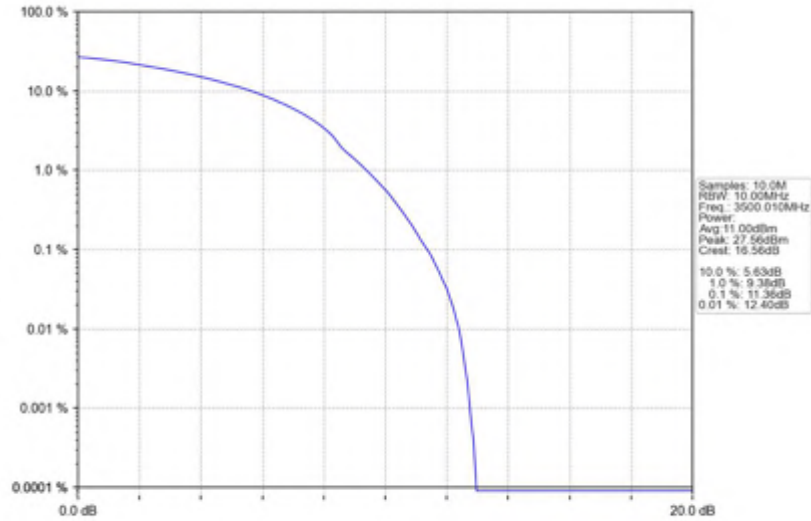
n78(3450-3550MHz) 30kHz SISO NTN 70MHz DFT-s-OFDM PI/2 BPSK 3514.98MHz Outer Full



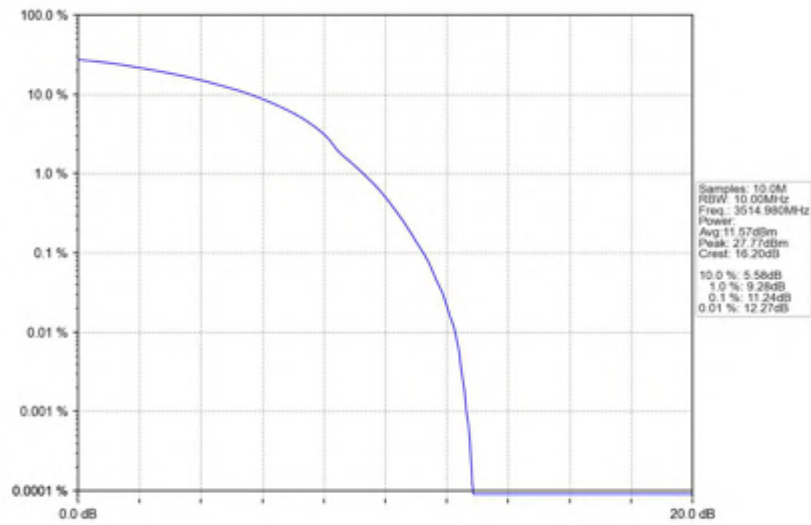
n78(3450-3550MHz) 30kHz SISO NTN 70MHz DFT-s-OFDM QPSK 3485.01MHz Outer Full



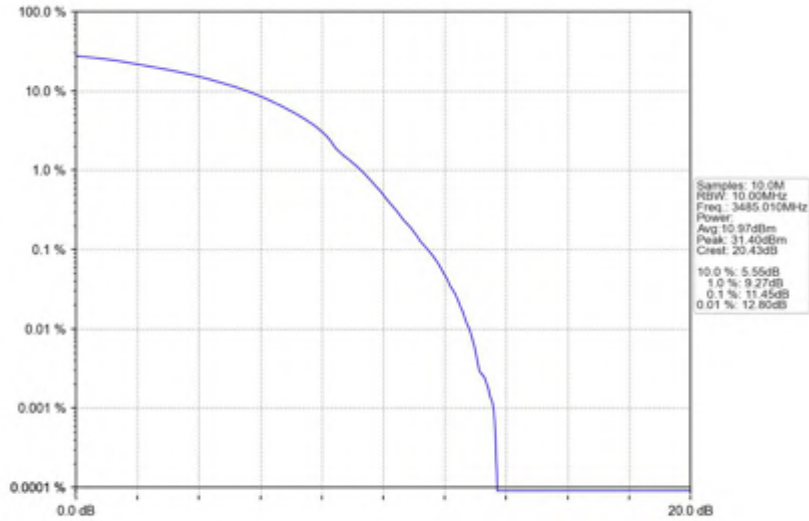
n78(3450-3550MHz) 30kHz_SISO_NTV_70MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full



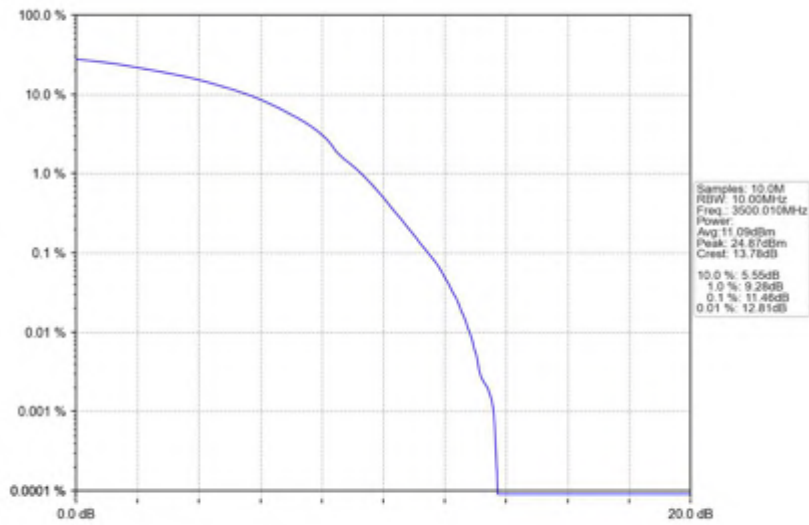
n78(3450-3550MHz) 30kHz_SISO_NTV_70MHz_DFT-s-OFDM_QPSK_3514.98MHz_Outer_Full



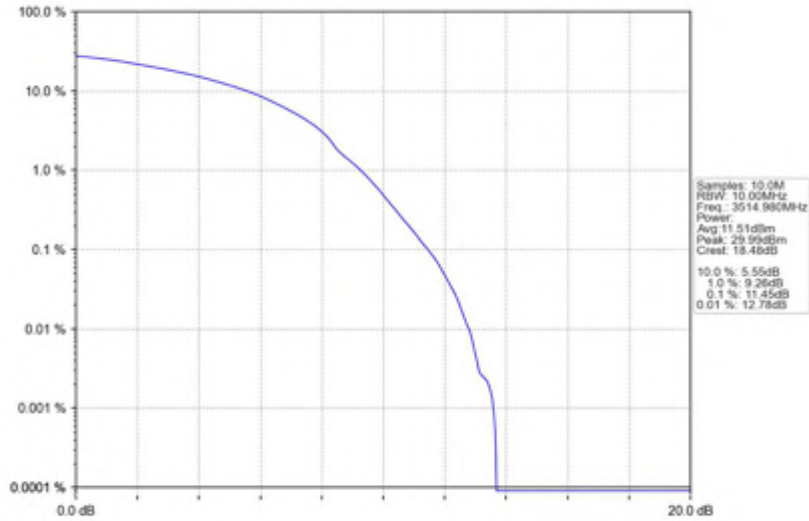
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_16_QAM_3485.01MHz_Outer_Full



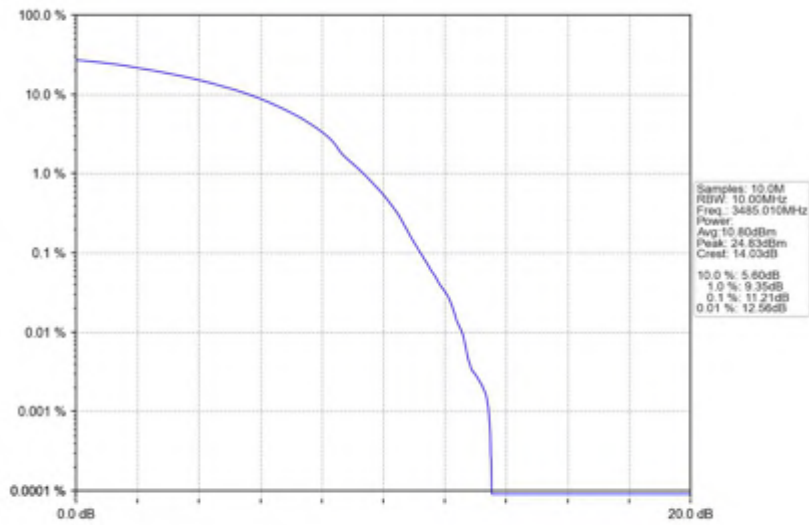
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full



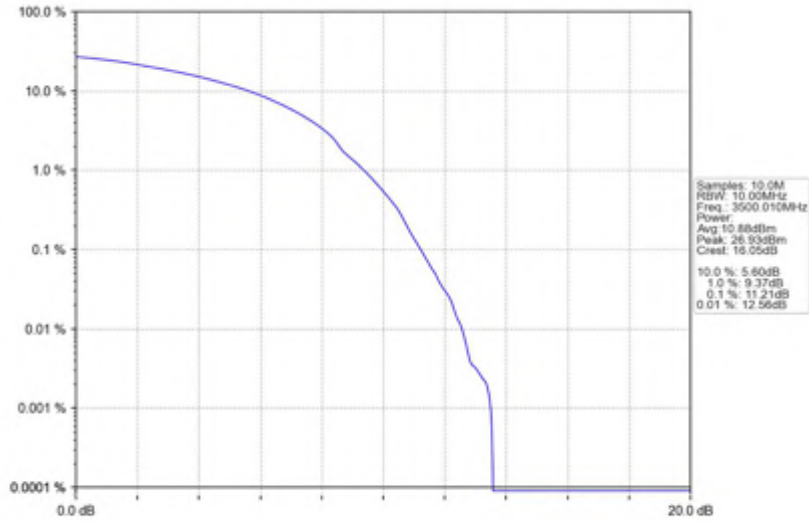
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_16_QAM_3514.98MHz_Outer_Full



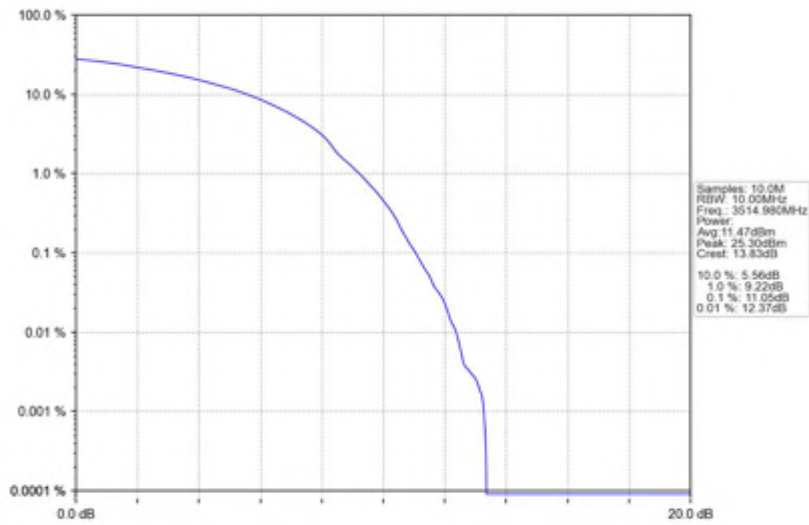
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_64_QAM_3485.01MHz_Outer_Full



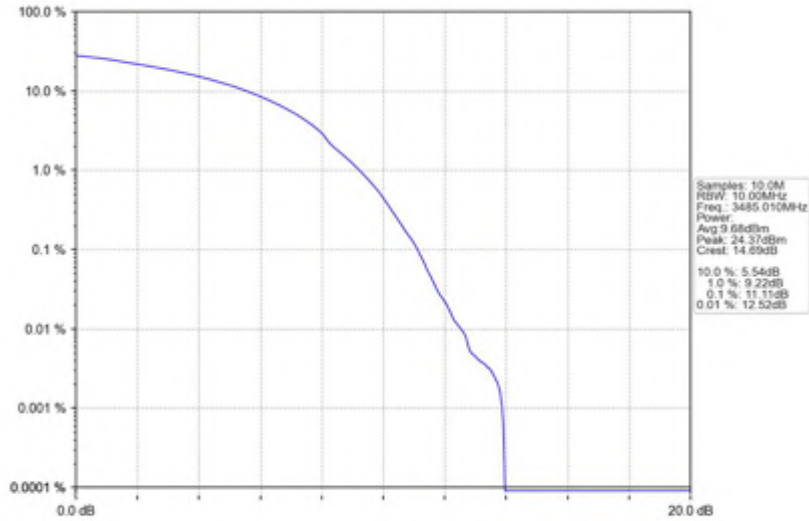
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full



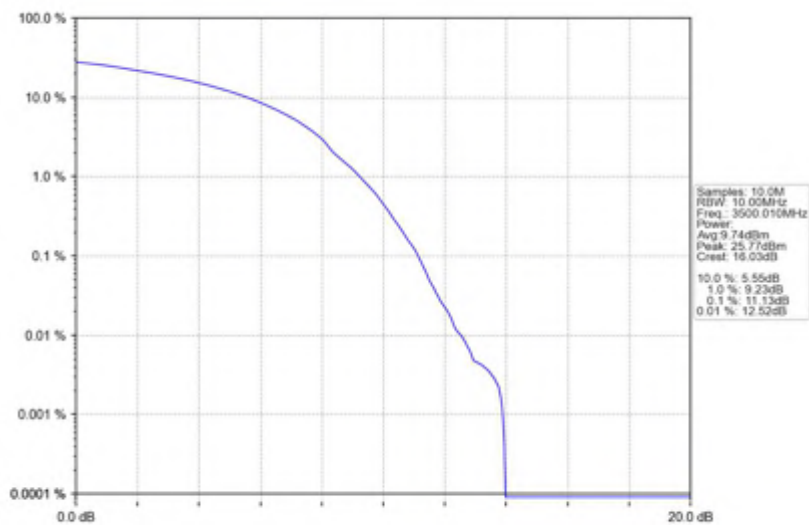
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_64_QAM_3514.98MHz_Outer_Full



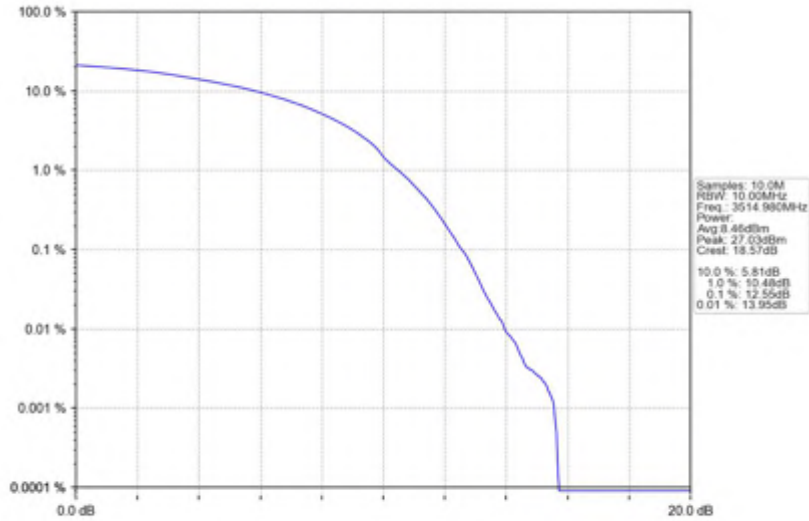
n78(3450-3550MHz) 30kHz SISO NTN 70MHz DFT-s-OFDM 256 QAM 3485.01MHz Outer Full



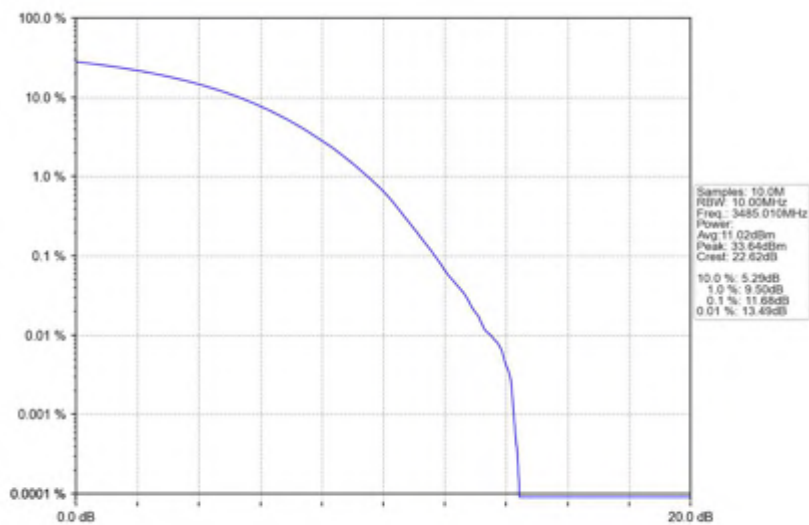
n78(3450-3550MHz) 30kHz SISO NTN 70MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full



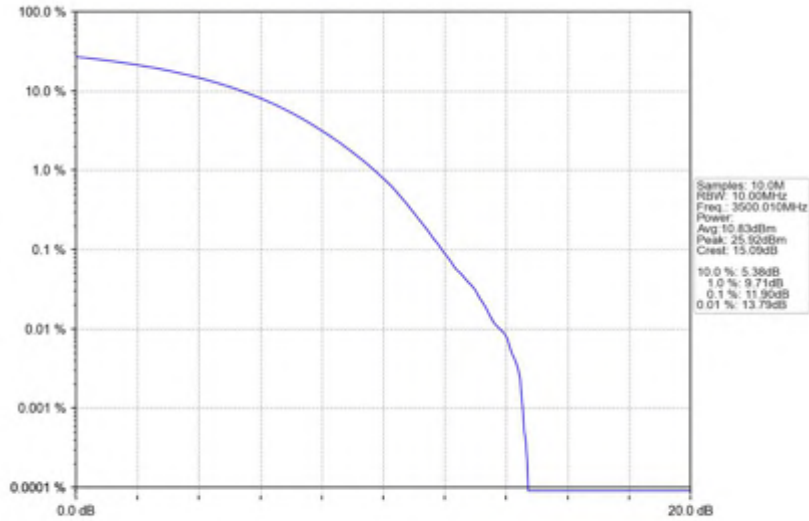
n78(3450-3550MHz) 30kHz SISO NTN 70MHz DFT-s-OFDM 256 QAM 3514.98MHz Outer Full



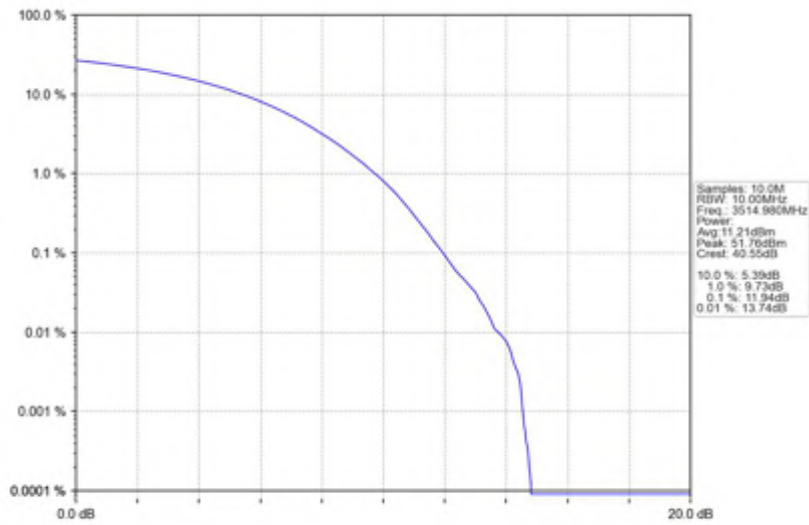
n78(3450-3550MHz) 30kHz SISO NTN 70MHz CP-OFDM QPSK 3485.01MHz Outer Full



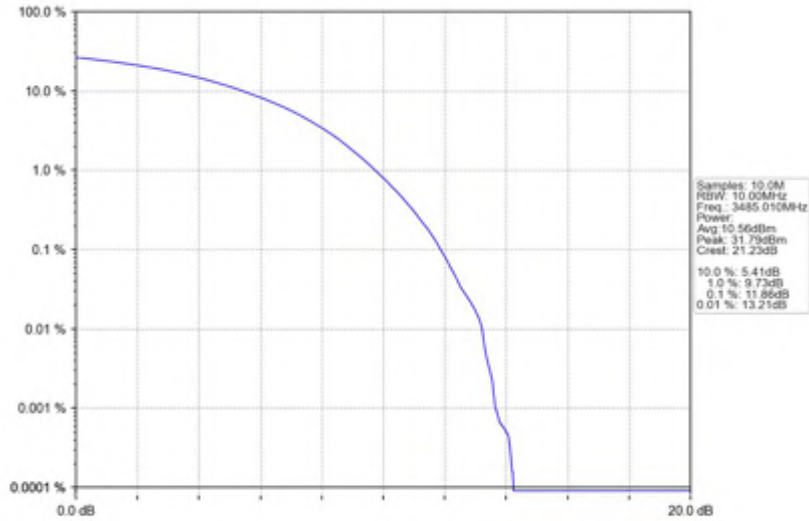
n78(3450-3550MHz) 30kHz_SISO_NTNV_70MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full



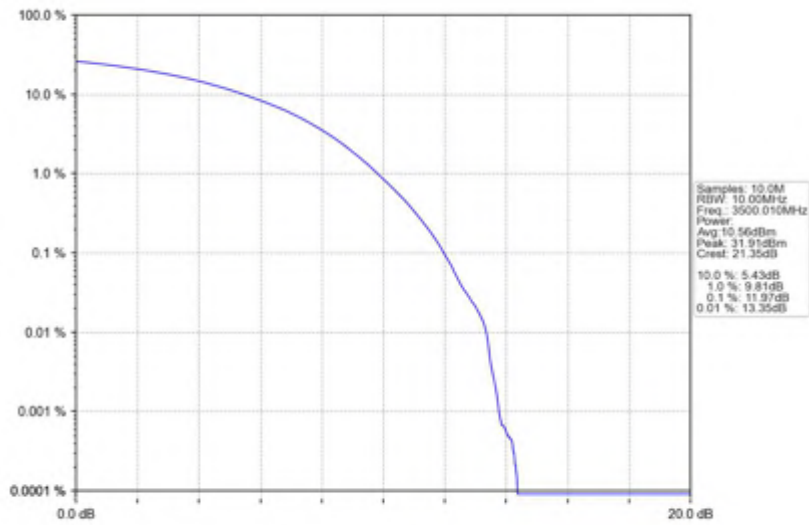
n78(3450-3550MHz) 30kHz_SISO_NTNV_70MHz_CP-OFDM_QPSK_3514.98MHz_Outer_Full



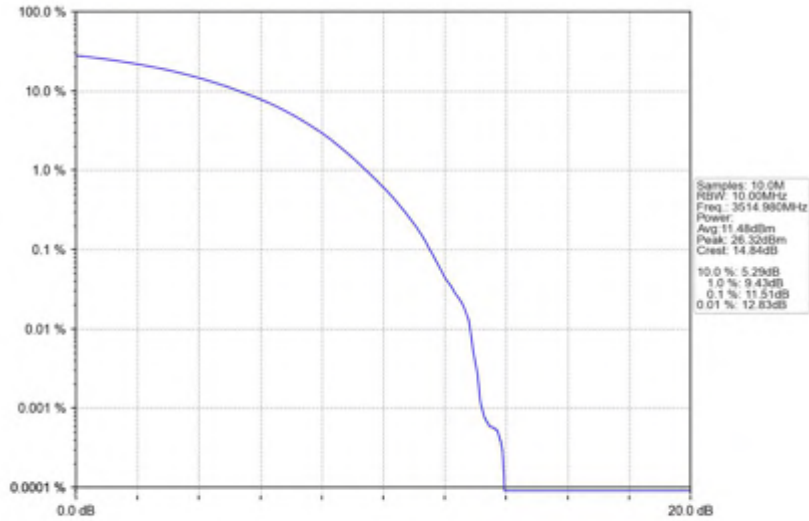
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_16_QAM_3485.01MHz_Outer_Full



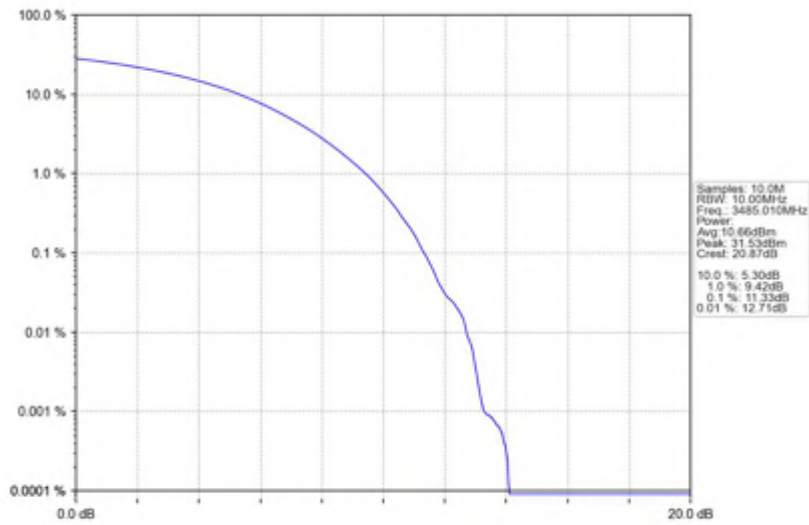
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full



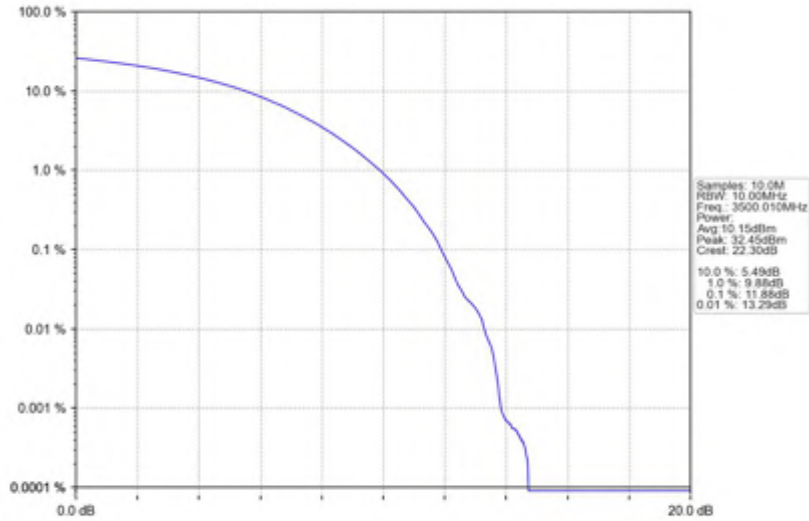
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_16_QAM_3514.98MHz_Outer_Full



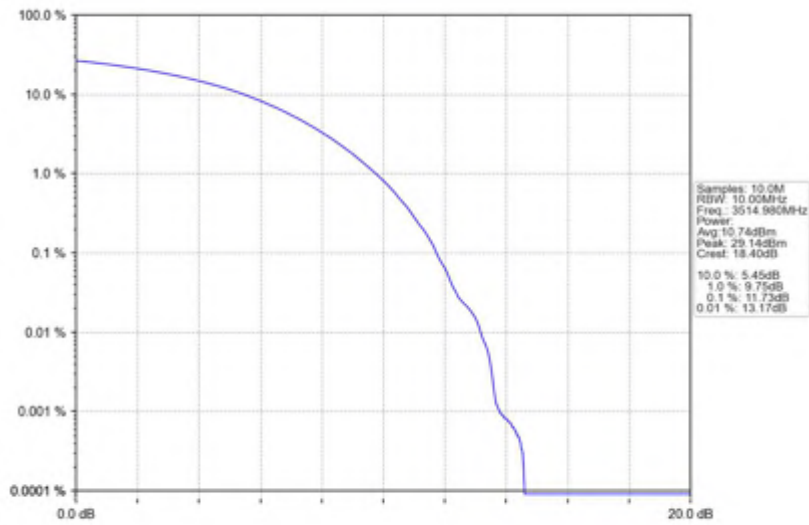
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_64_QAM_3485.01MHz_Outer_Full



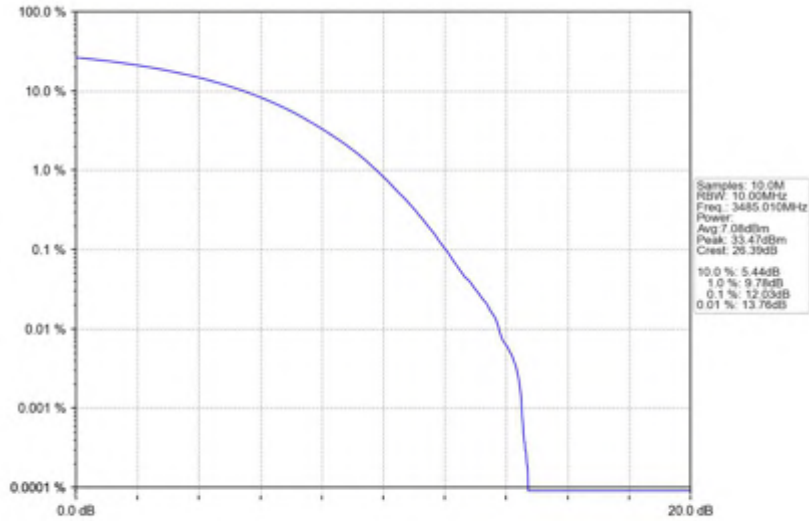
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full



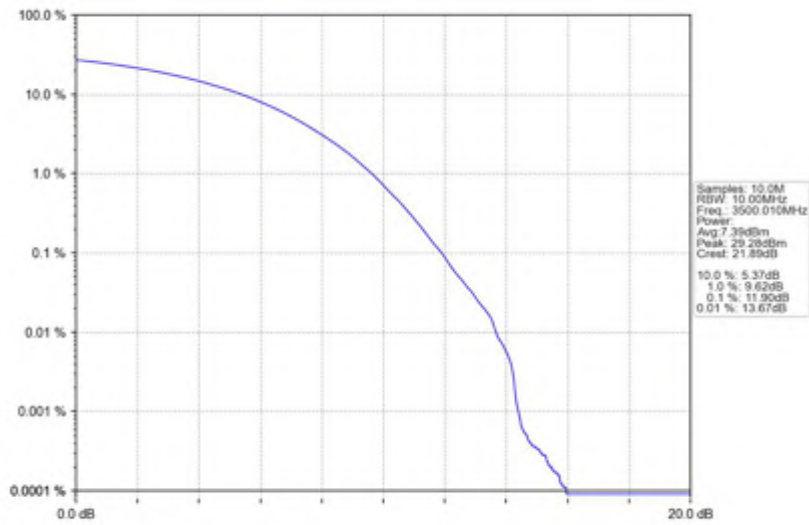
n78(3450-3550MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_64_QAM_3514.98MHz_Outer_Full



n78(3450-3550MHz) 30kHz SISO NTV 70MHz CP-OFDM 256 QAM 3485.01MHz Outer Full

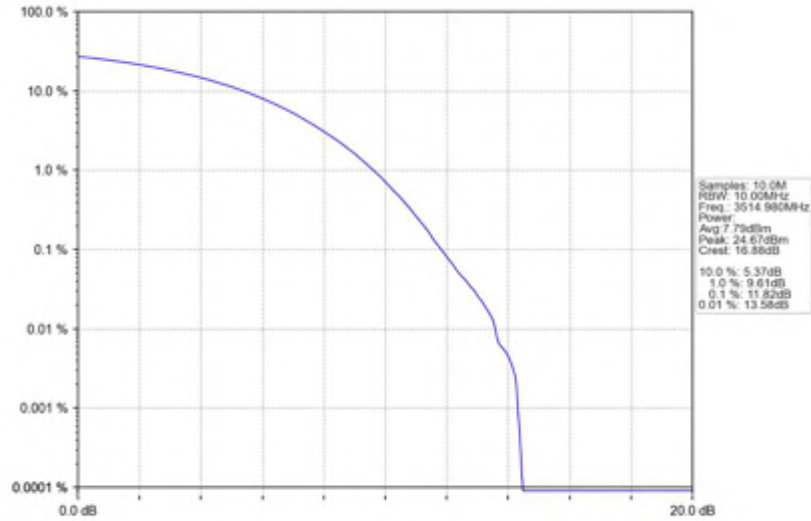


n78(3450-3550MHz) 30kHz SISO NTV 70MHz CP-OFDM 256 QAM 3500.01MHz Outer Full





n78(3450-3550MHz) 30kHz SISO NTV 70MHz CP-OFDM 256 QAM 3514.98MHz Outer Full



4.7 30k_SISO_80MHz_NTNV

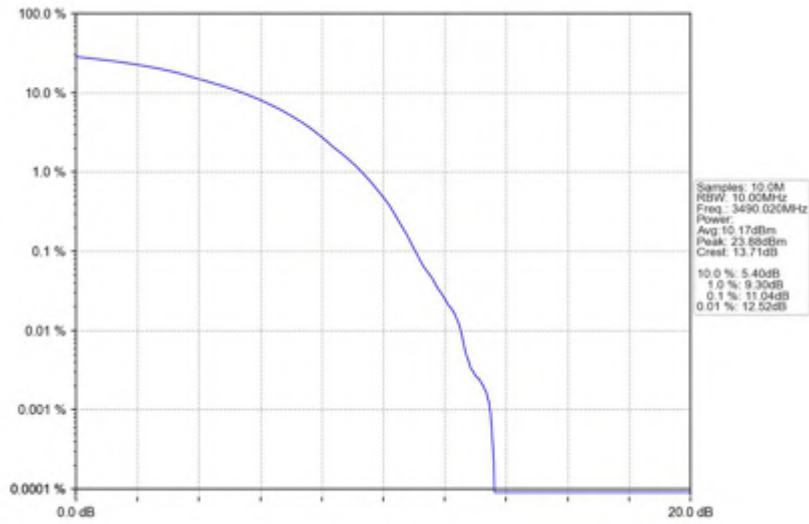
4.7.1 Test Result

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

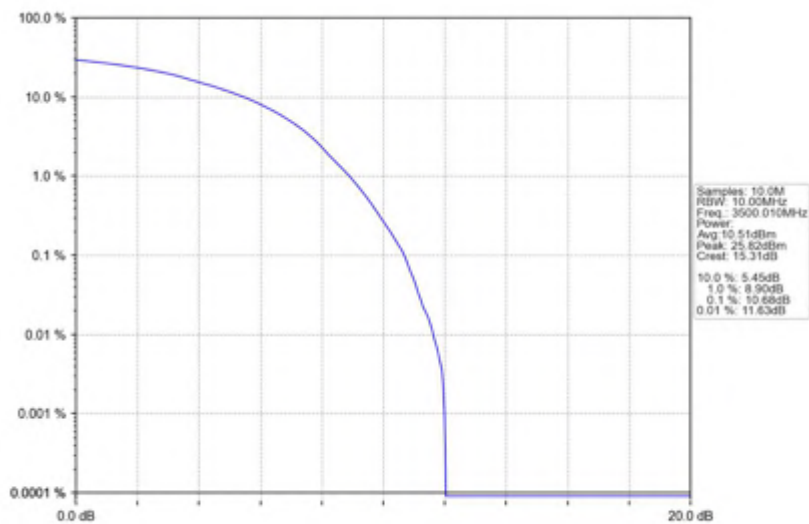


4.7.2 Test Graph

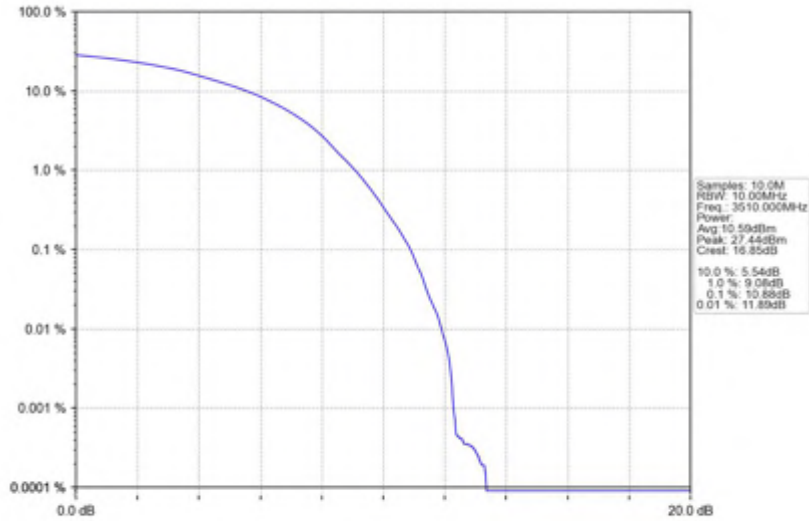
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3490.02MHz_Outer_Full



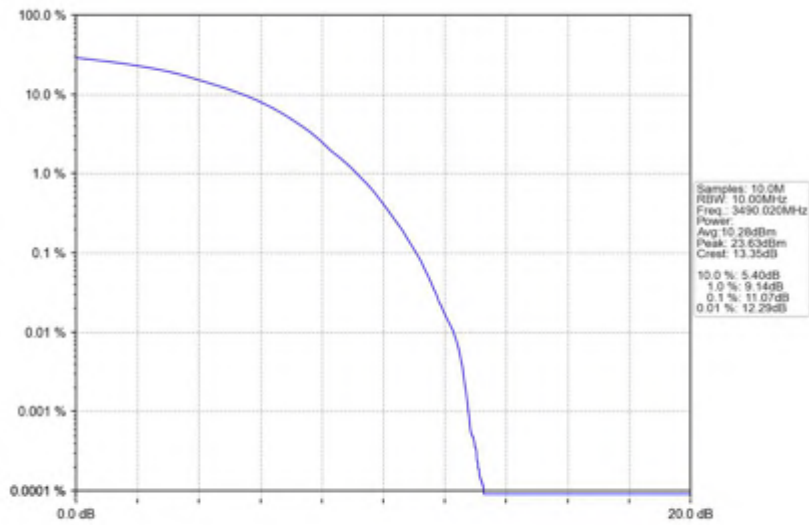
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



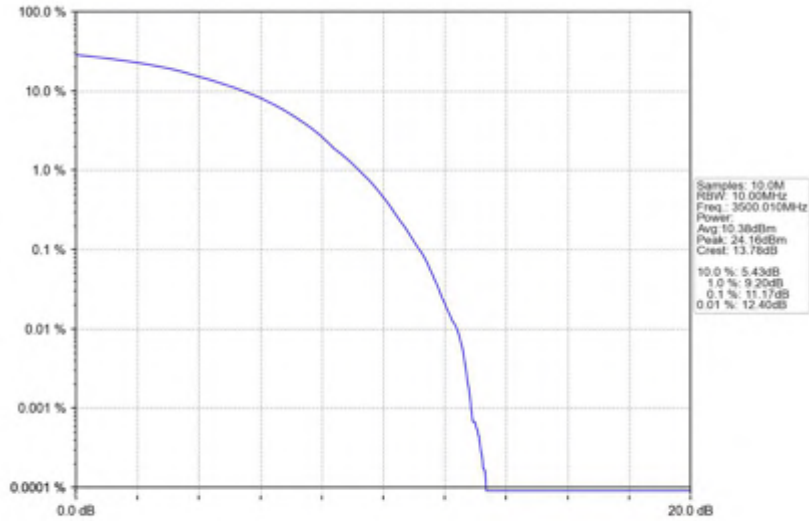
n78(3450-3550MHz) 30kHz SISO NTN 80MHz DFT-s-OFDM PI/2 BPSK 3510MHz Outer Full



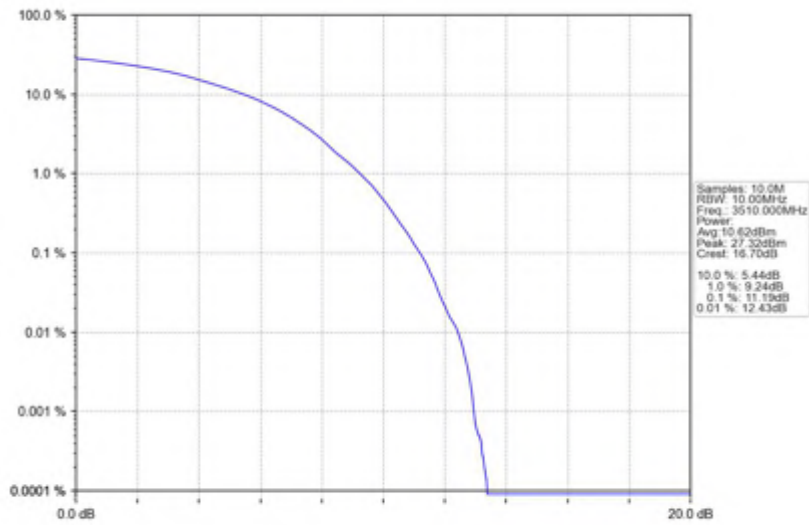
n78(3450-3550MHz) 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3490.02MHz Outer Full



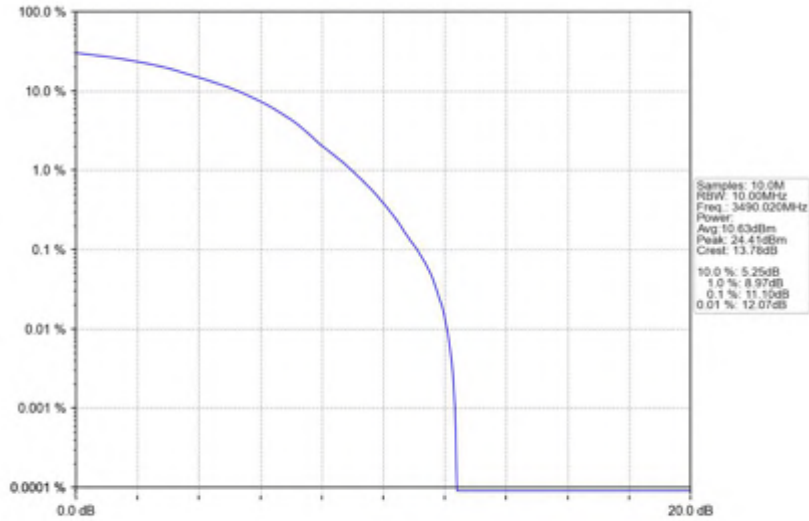
n78(3450-3550MHz) 30kHz_SISO_NTVN_80MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full



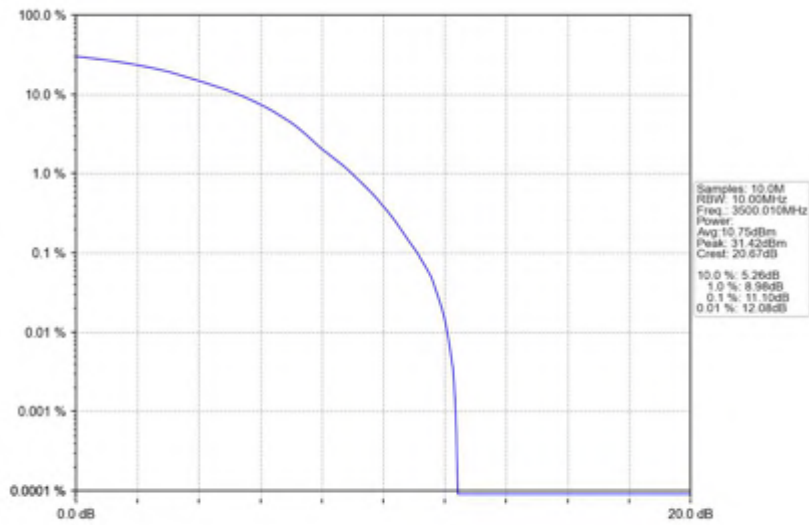
n78(3450-3550MHz) 30kHz_SISO_NTVN_80MHz_DFT-s-OFDM_QPSK_3510MHz_Outer_Full



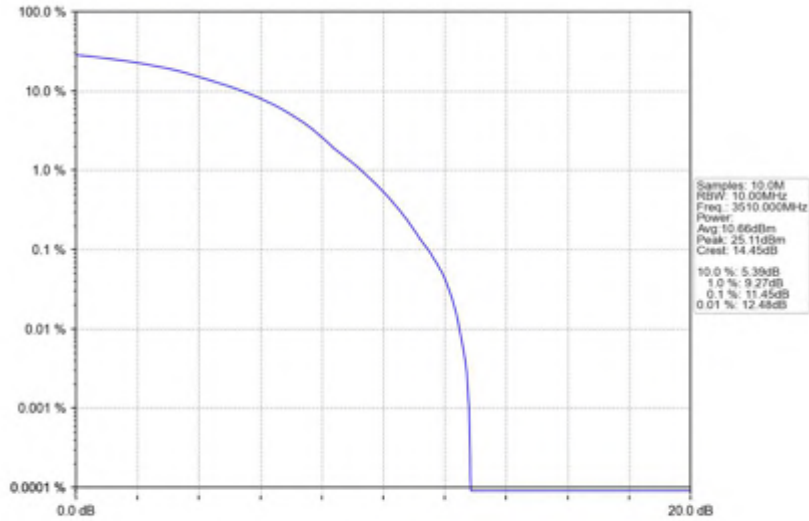
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_16_QAM_3490.02MHz_Outer_Full



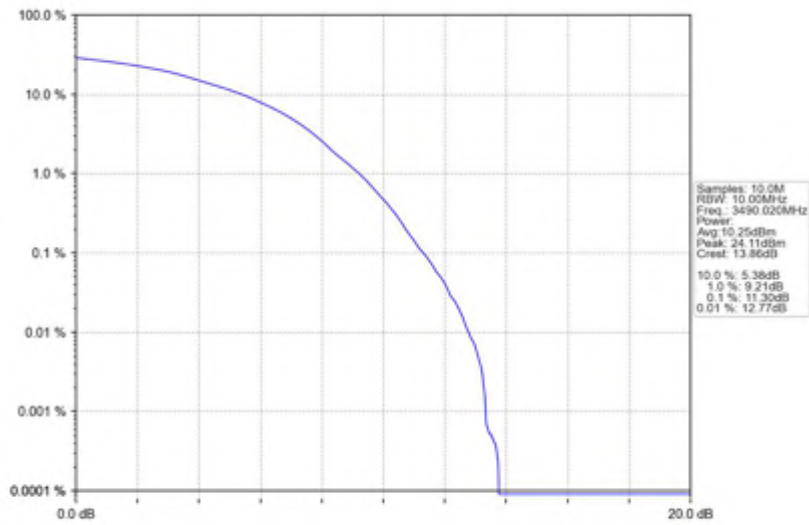
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full



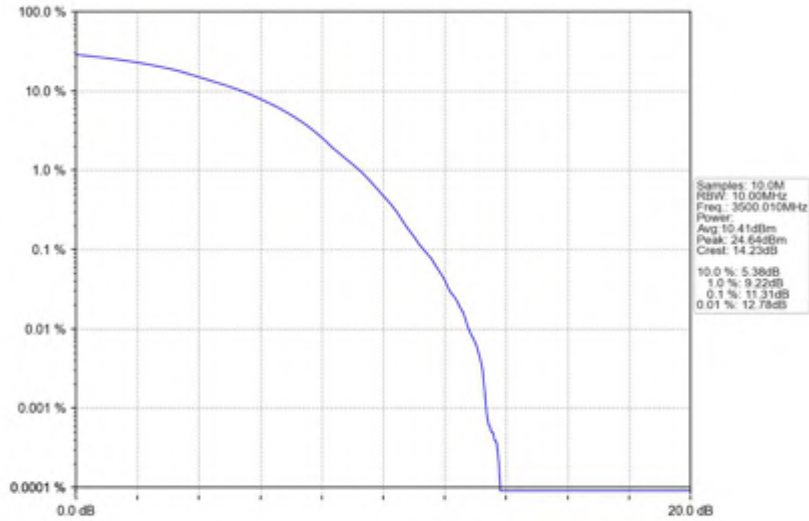
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_16_QAM_3510MHz_Outer_Full



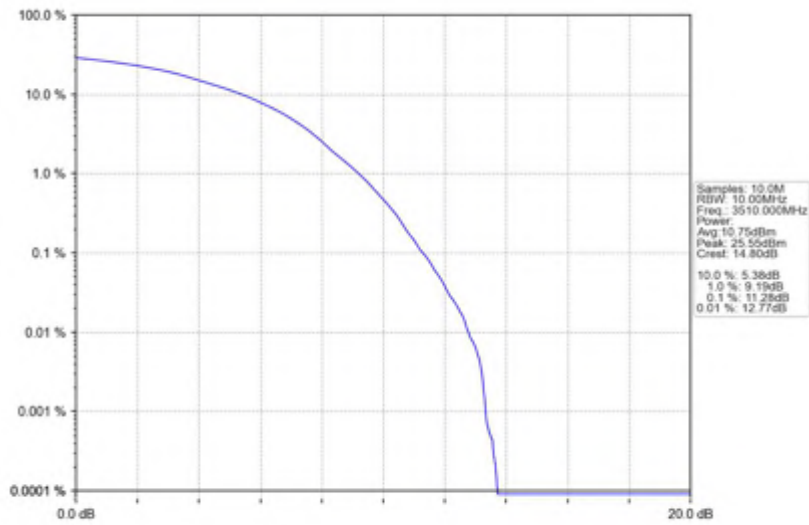
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_64_QAM_3490.02MHz_Outer_Full



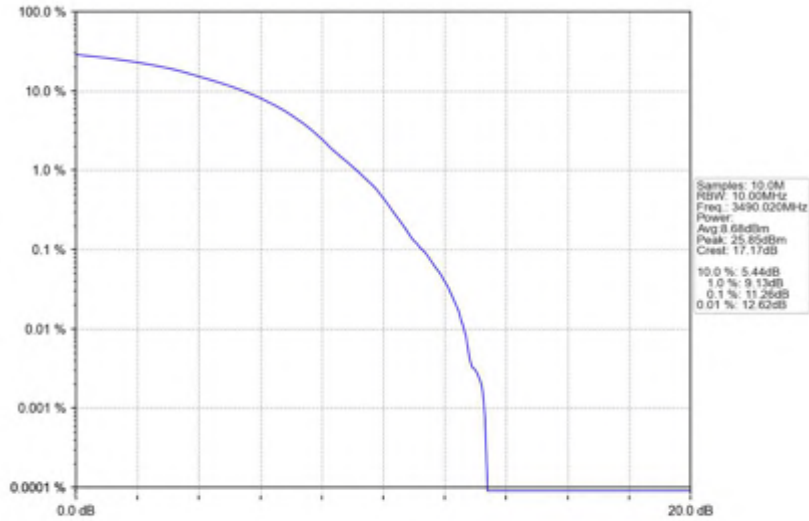
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full



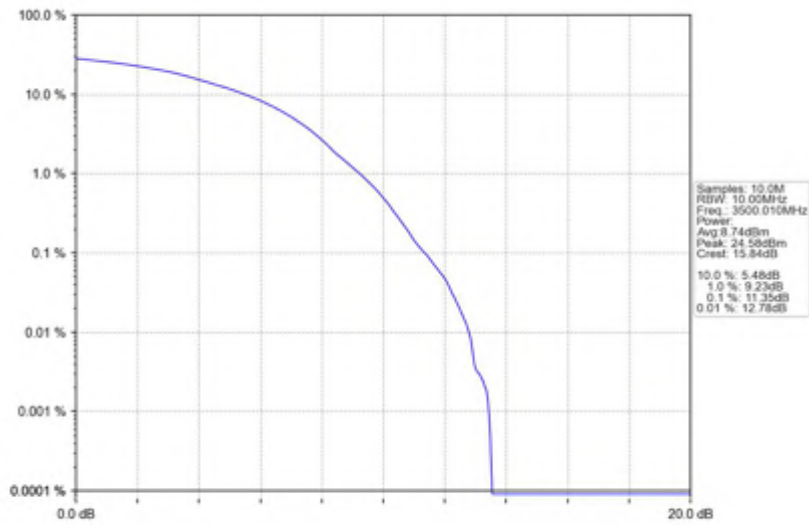
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_64_QAM_3510MHz_Outer_Full



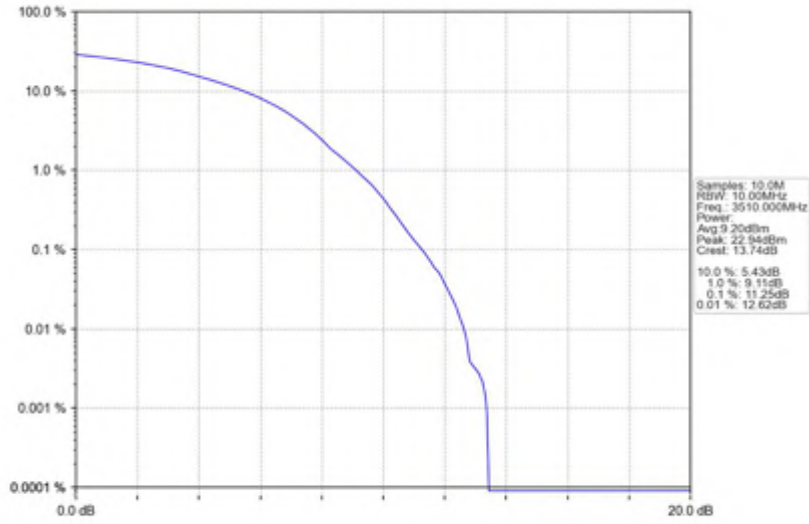
n78(3450-3550MHz) 30kHz SISO NTN 80MHz DFT-s-OFDM 256 QAM 3490.02MHz Outer Full



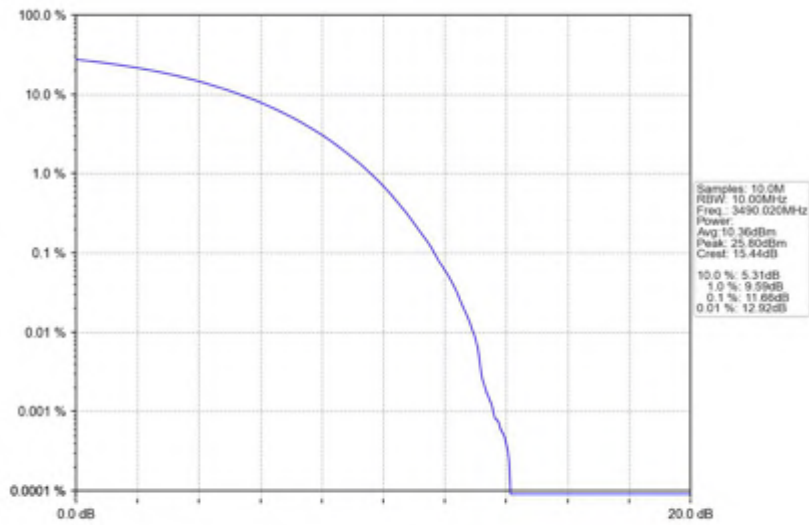
n78(3450-3550MHz) 30kHz SISO NTN 80MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full



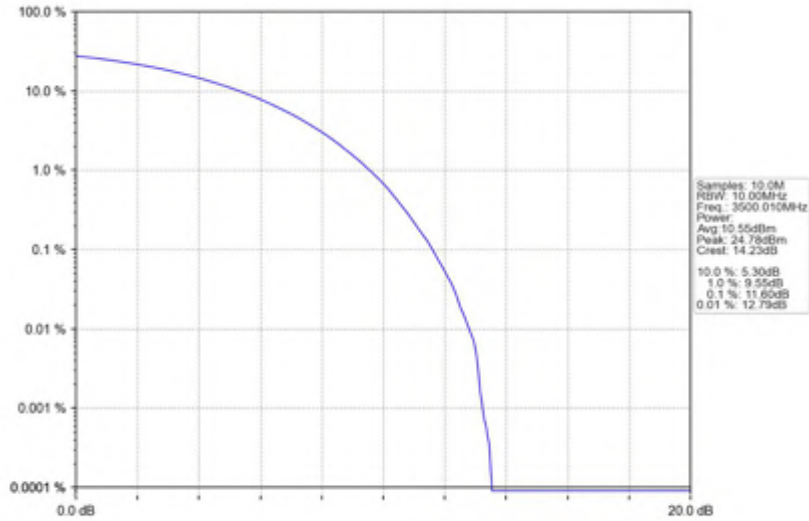
n78(3450-3550MHz) 30kHz SISO NTV 80MHz DFT-s-OFDM 256 QAM 3510MHz Outer Full



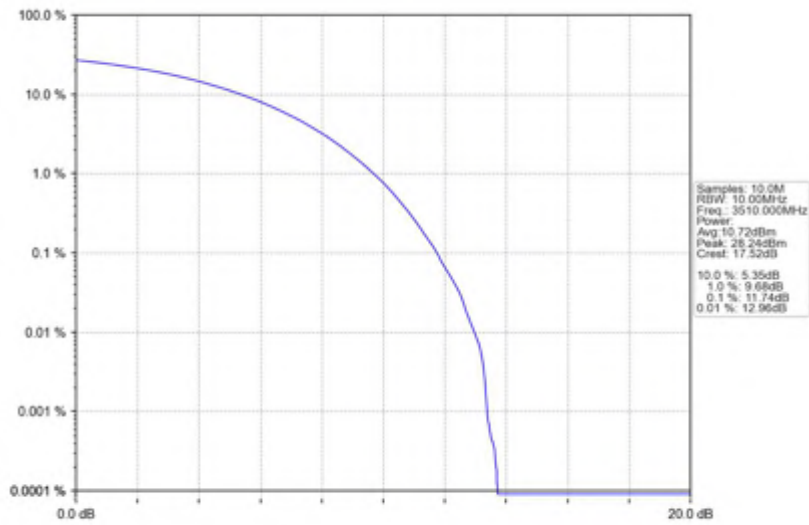
n78(3450-3550MHz) 30kHz SISO NTV 80MHz CP-OFDM QPSK 3490.02MHz Outer Full



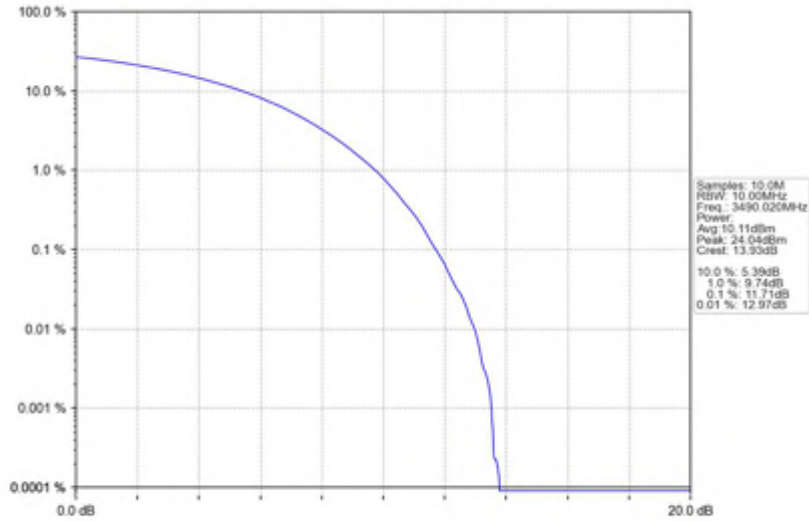
n78(3450-3550MHz) 30kHz SISO NTV 80MHz CP-OFDM QPSK 3500.01MHz Outer Full



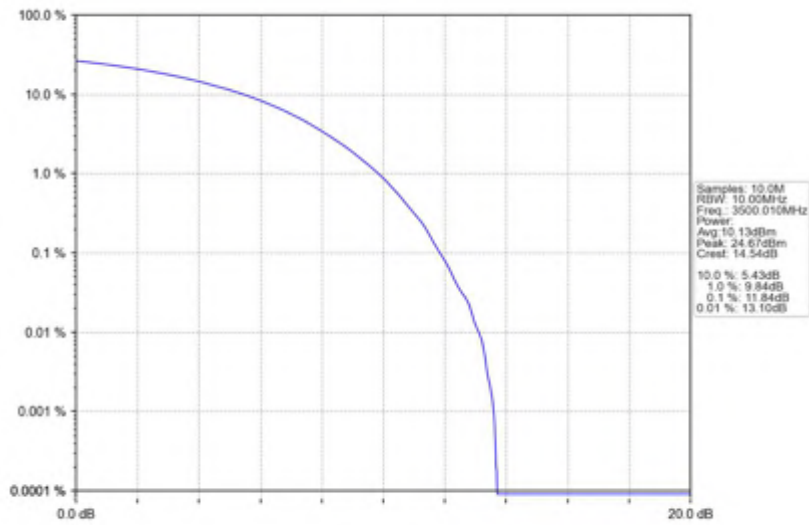
n78(3450-3550MHz) 30kHz SISO NTV 80MHz CP-OFDM QPSK 3510MHz Outer Full



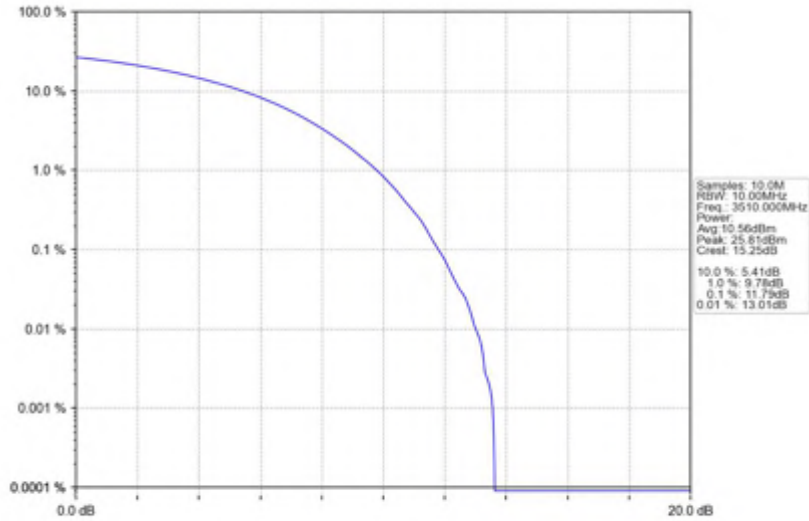
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_16_QAM_3490.02MHz_Outer_Full



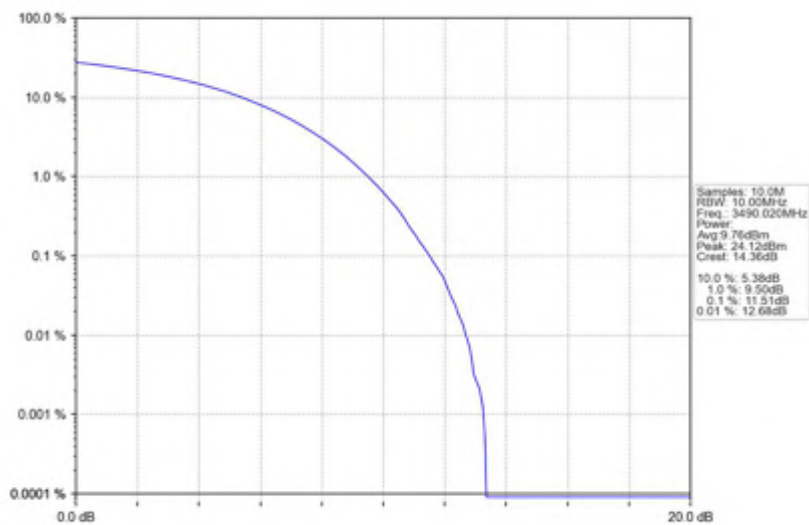
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full



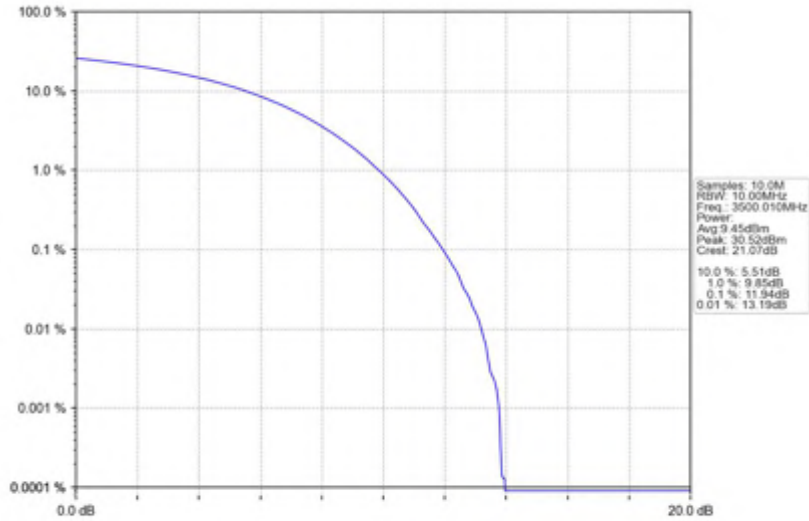
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_16_QAM_3510MHz_Outer_Full



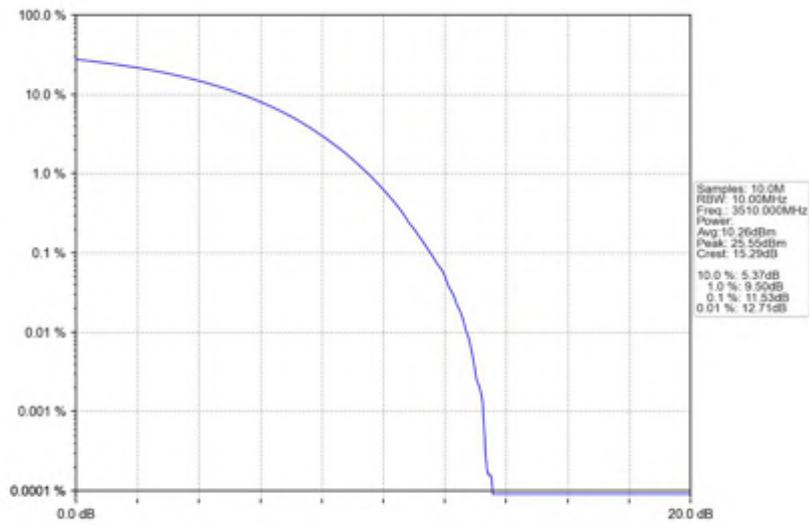
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_64_QAM_3490.02MHz_Outer_Full



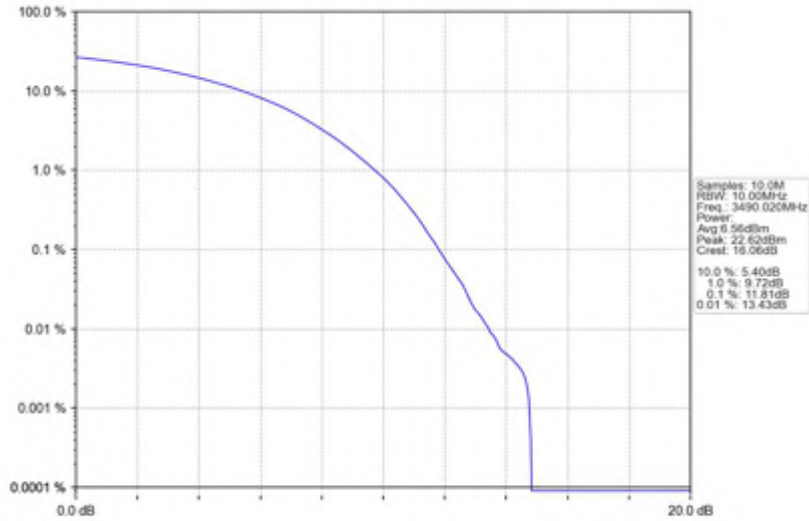
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full



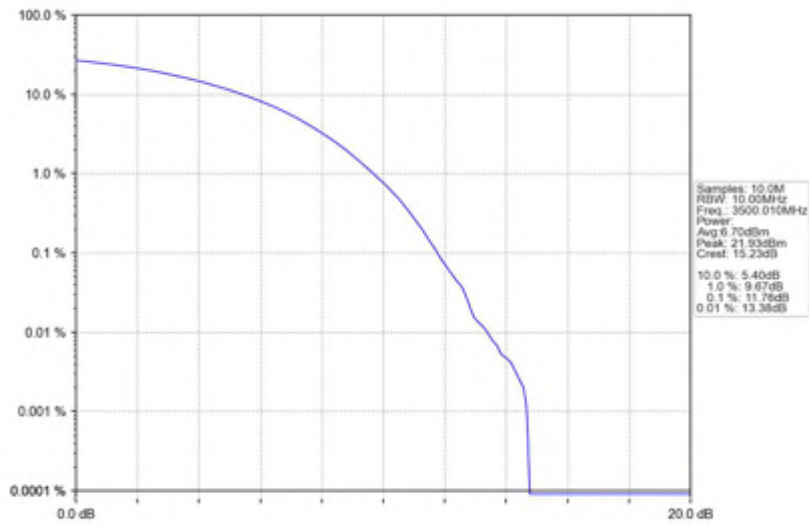
n78(3450-3550MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM_64_QAM_3510MHz_Outer_Full



n78(3450-3550MHz) 30kHz SISO NTV 80MHz CP-OFDM 256 QAM 3490.02MHz Outer Full

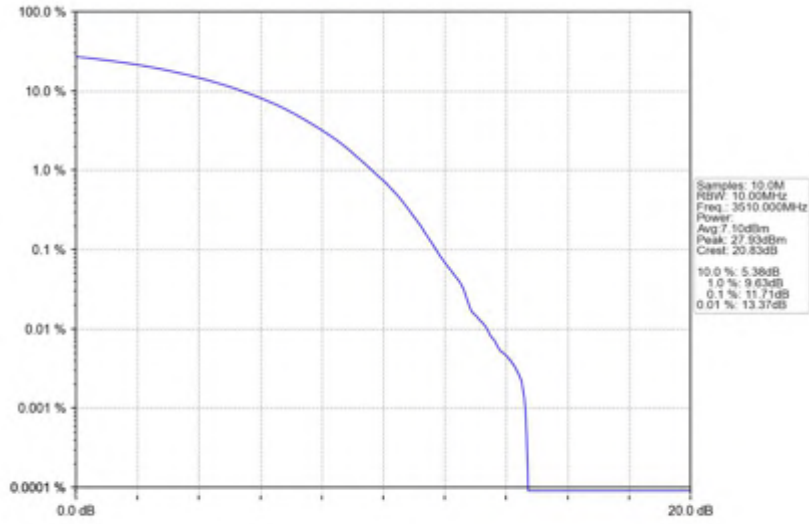


n78(3450-3550MHz) 30kHz SISO NTV 80MHz CP-OFDM 256 QAM 3500.01MHz Outer Full





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



4.8 30k_SISO_90MHz_NTNV

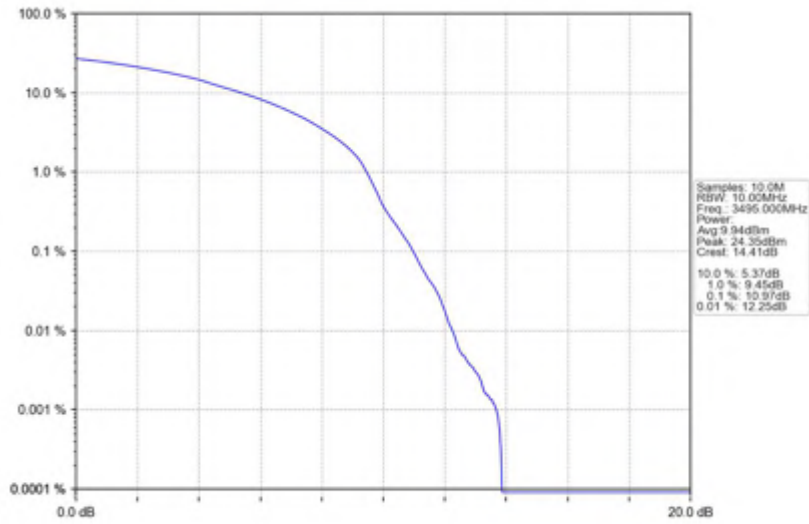
4.8.1 Test Result

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

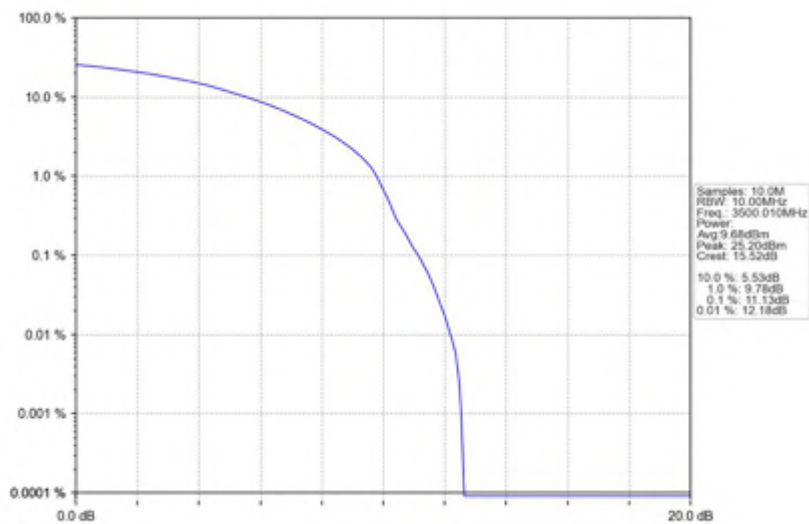


4.8.2 Test Graph

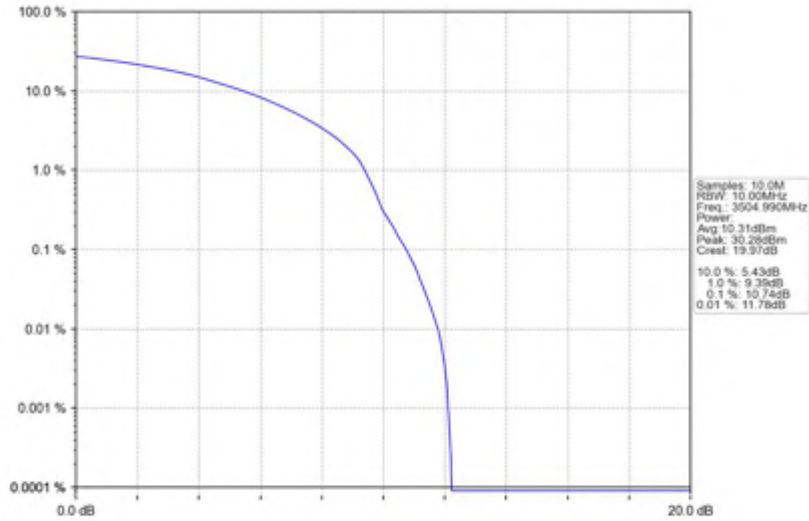
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3495MHz_Outer_Full



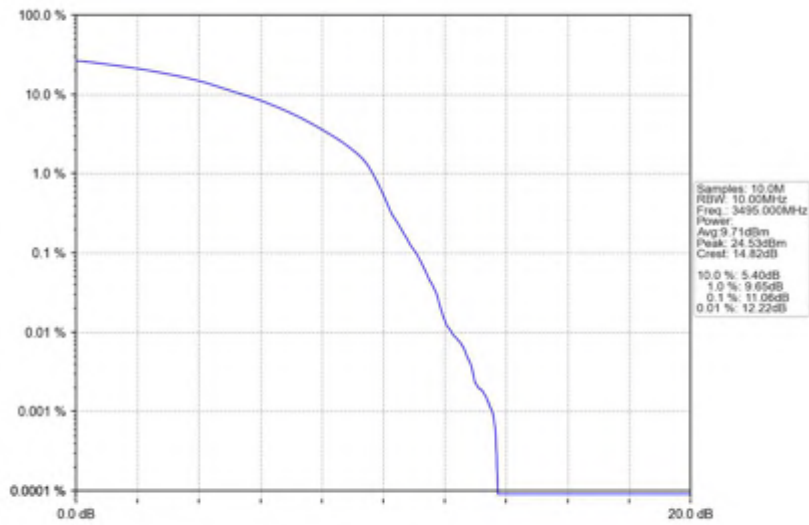
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



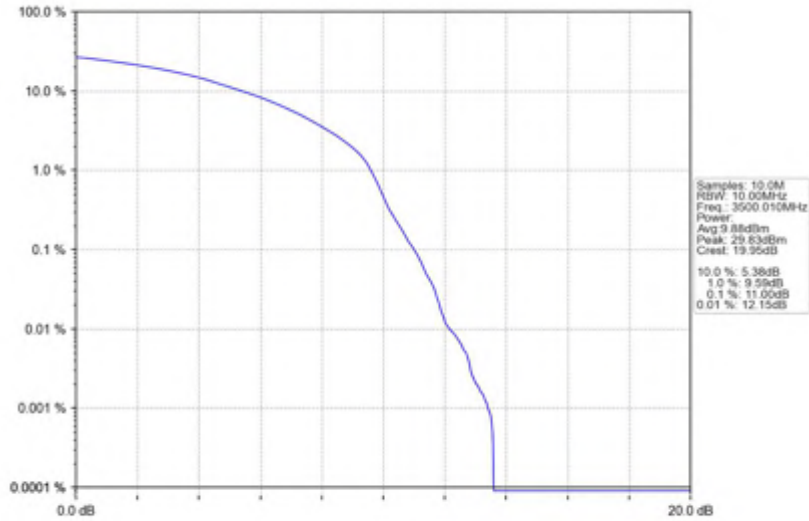
n78(3450-3550MHz) 30kHz SISO NTN 90MHz DFT-s-OFDM PI/2 BPSK 3504.99MHz Outer Full



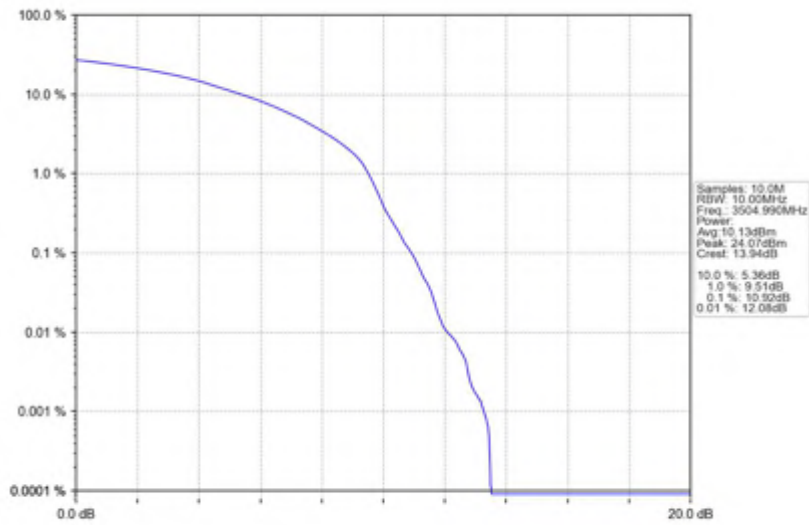
n78(3450-3550MHz) 30kHz SISO NTN 90MHz DFT-s-OFDM QPSK 3495MHz Outer Full



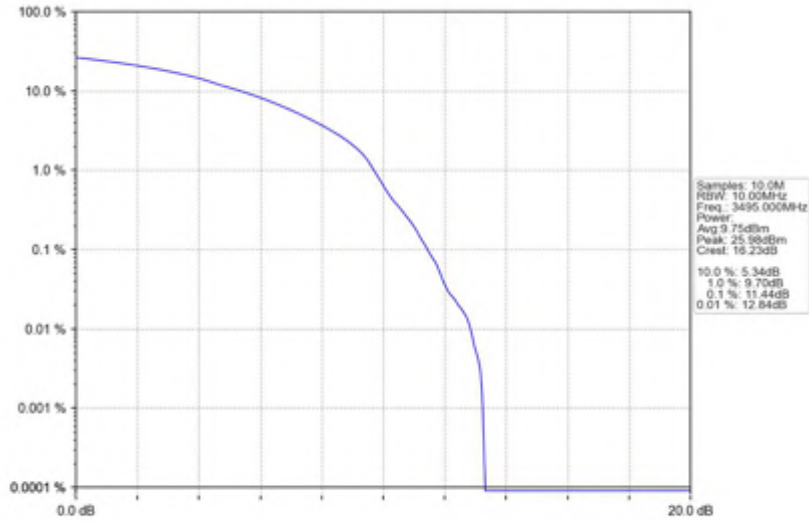
n78(3450-3550MHz) 30kHz_SISO_NTV_90MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full



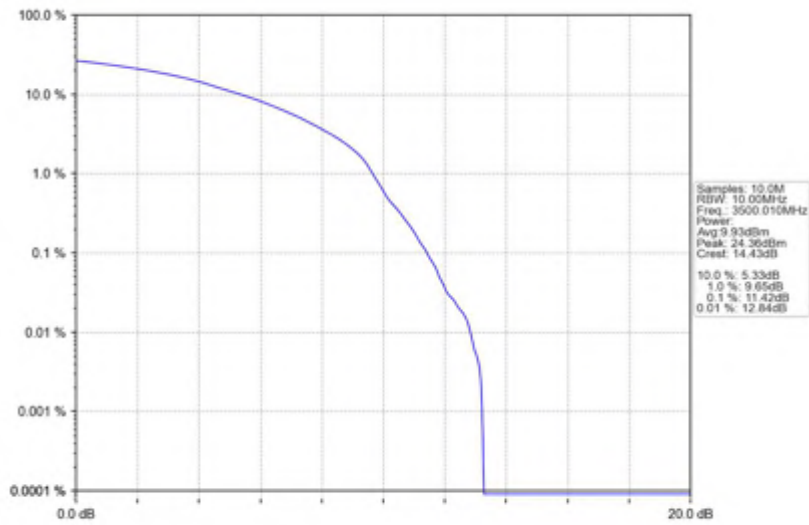
n78(3450-3550MHz) 30kHz_SISO_NTV_90MHz_DFT-s-OFDM_QPSK_3504.99MHz_Outer_Full



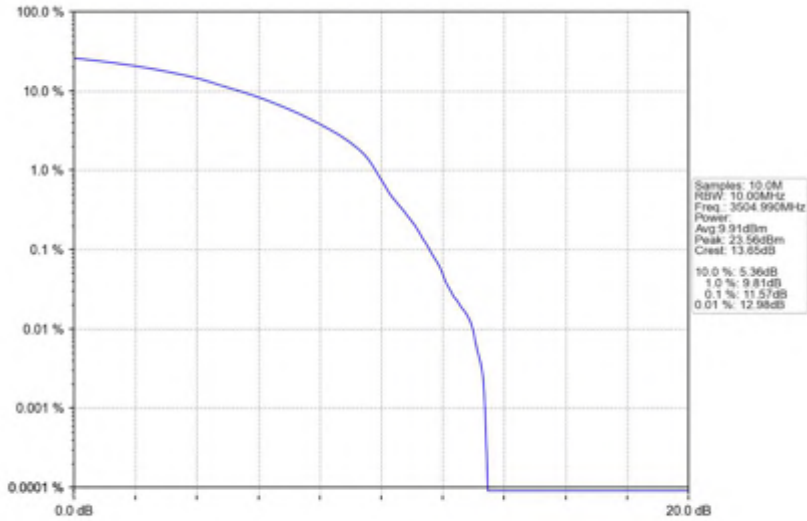
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3495MHz_Outer_Full



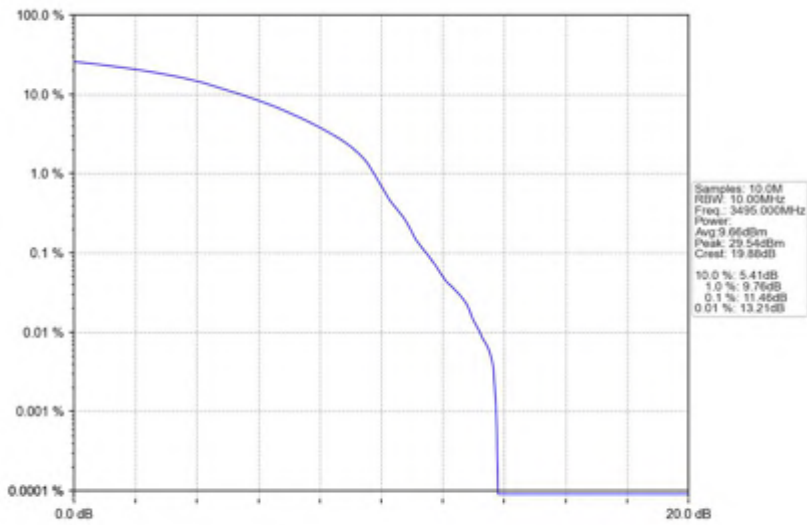
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full



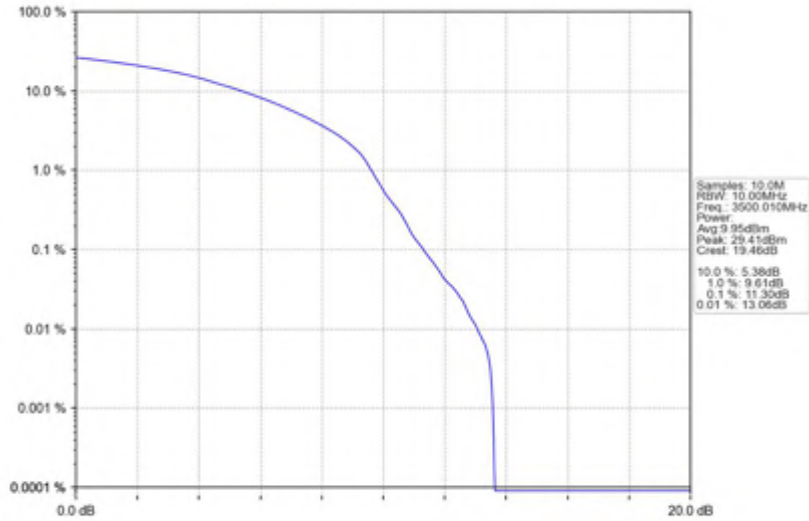
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3504.99MHz_Outer_Full



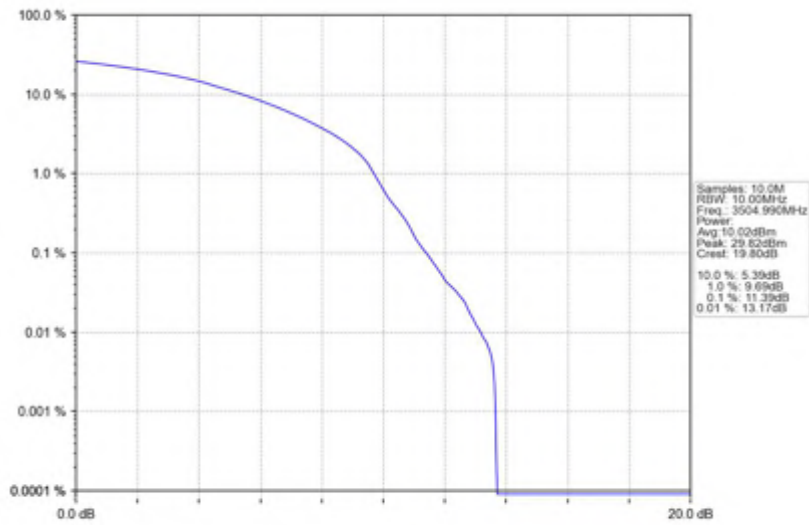
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3495MHz_Outer_Full



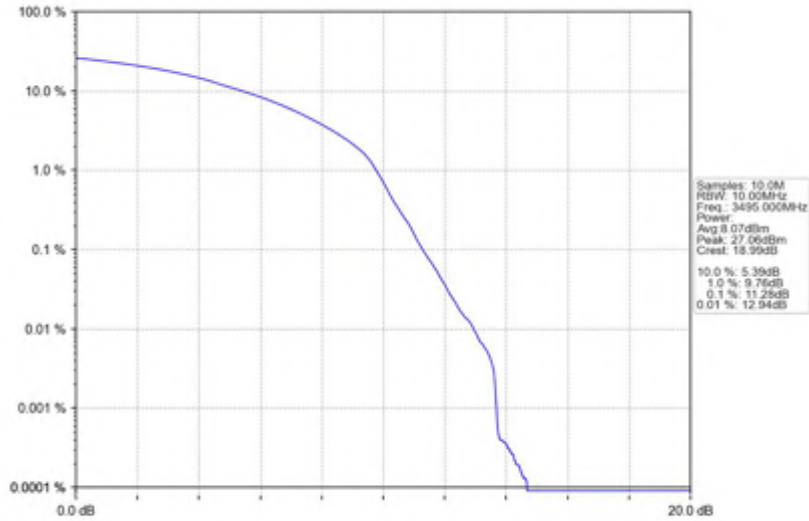
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full



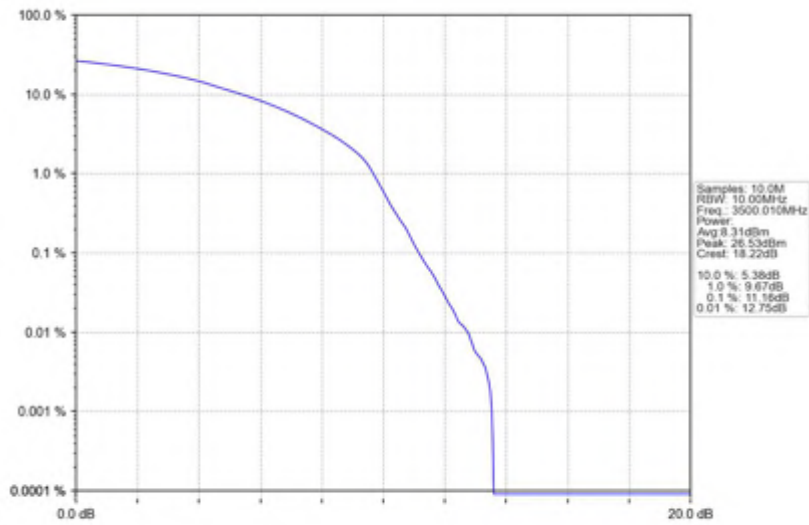
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3504.99MHz_Outer_Full



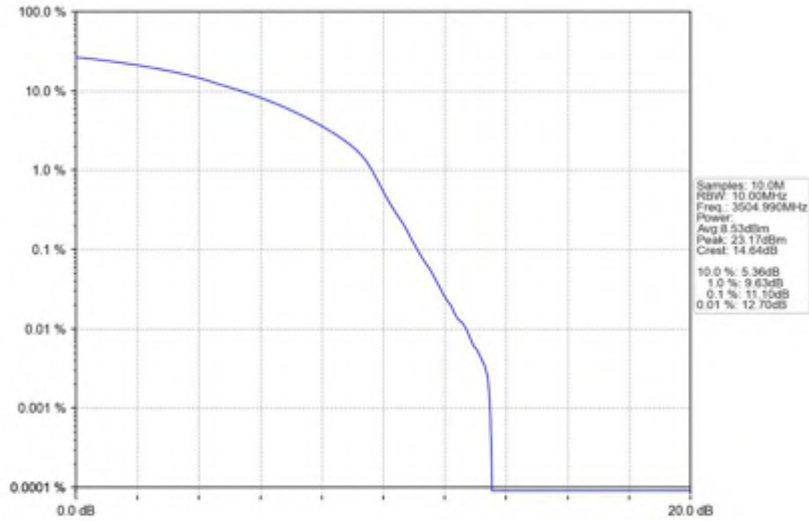
n78(3450-3550MHz) 30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3495MHz_Outer_Full



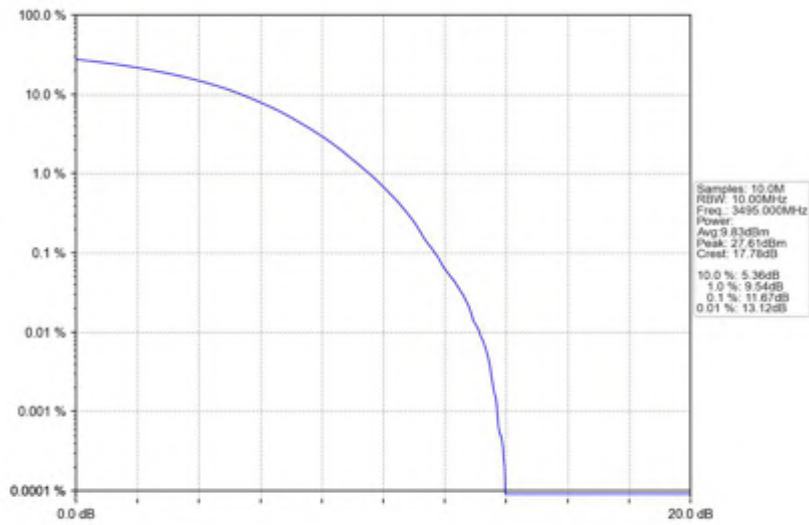
n78(3450-3550MHz) 30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full



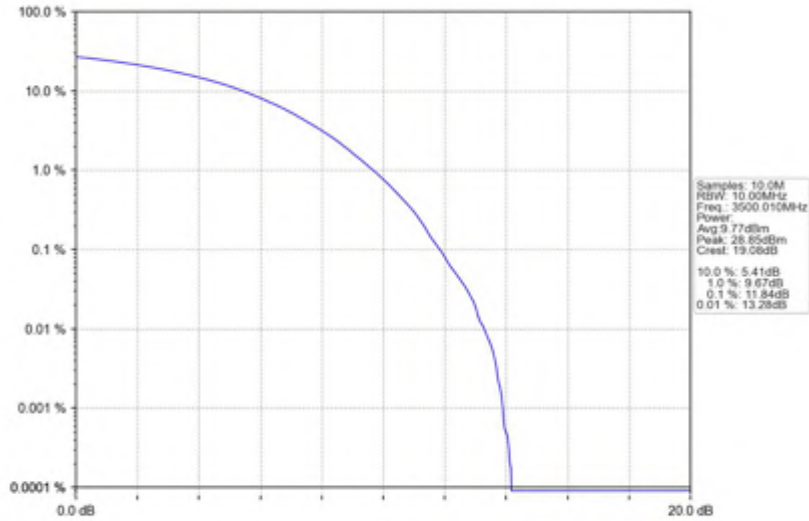
n78(3450-3550MHz) 30kHz SISO_NTVN_90MHz DFT-s-OFDM 256 QAM 3504.99MHz Outer Full



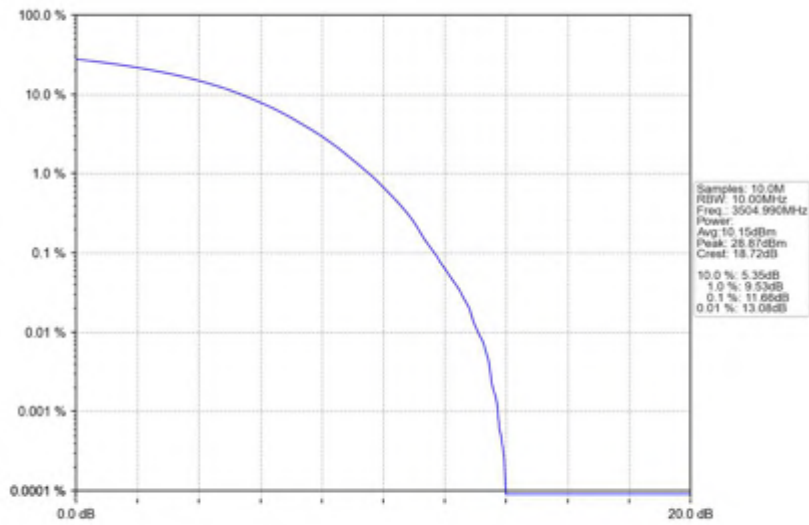
n78(3450-3550MHz) 30kHz SISO_NTVN_90MHz CP-OFDM QPSK 3495MHz Outer Full



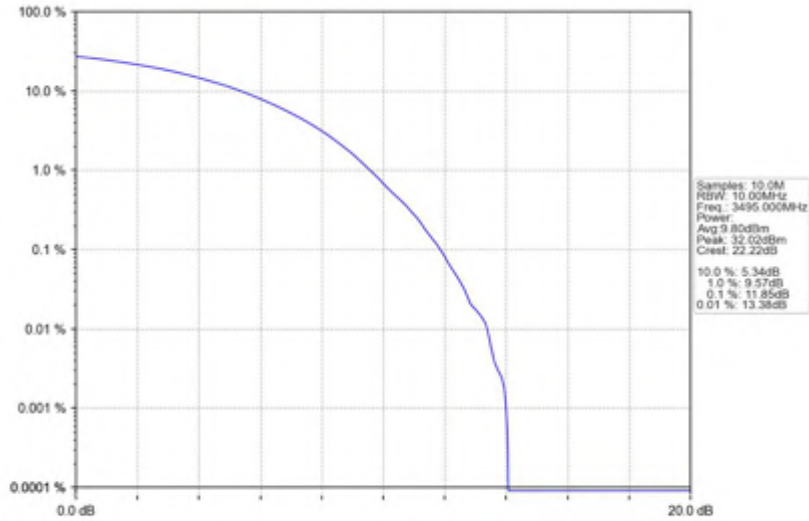
n78(3450-3550MHz) 30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full



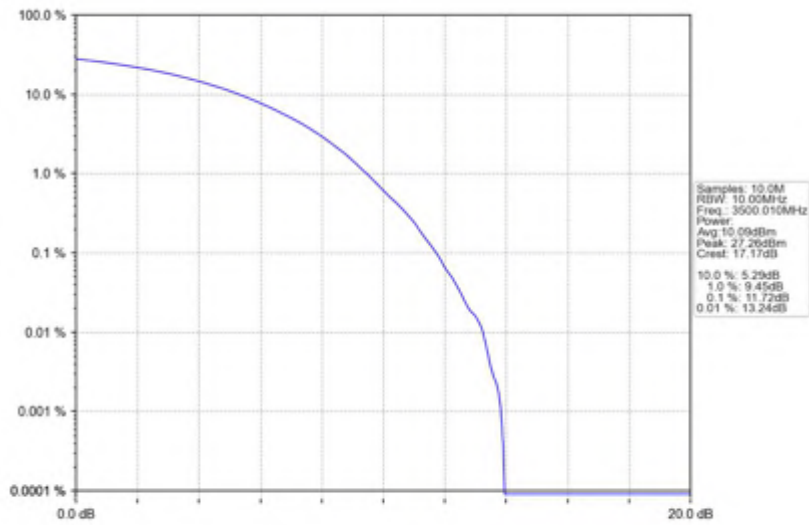
n78(3450-3550MHz) 30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3504.99MHz_Outer_Full



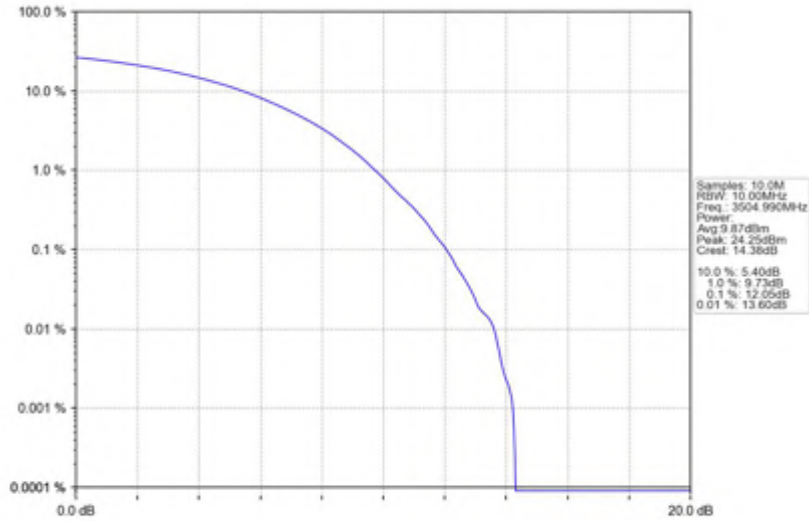
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3495MHz_Outer_Full



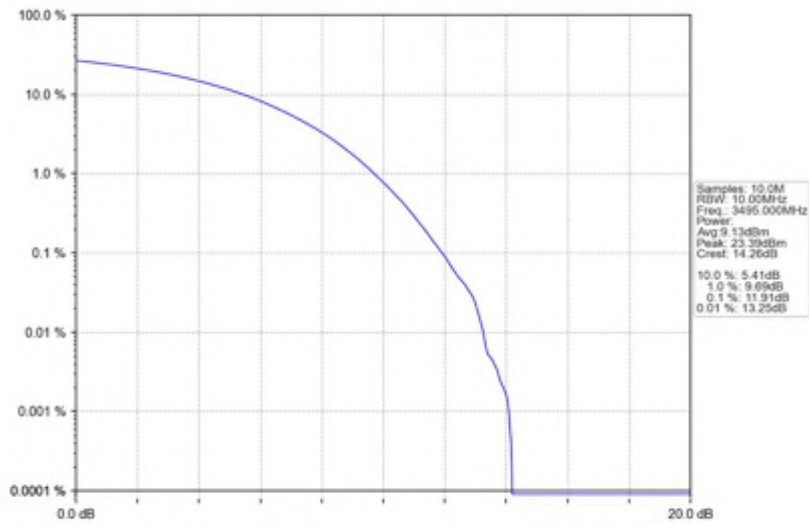
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full



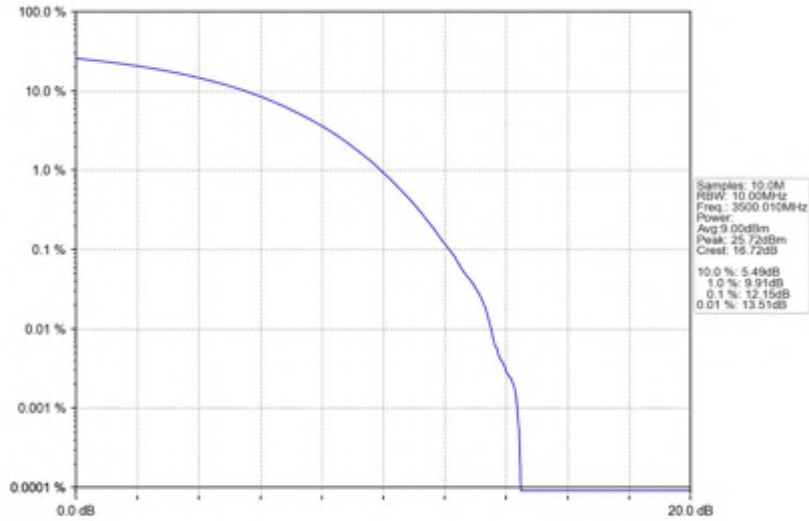
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3504.99MHz_Outer_Full



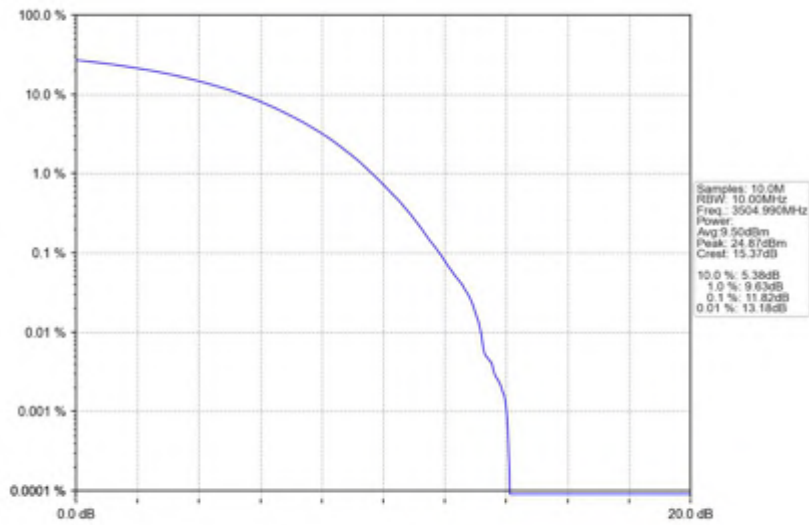
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_64_QAM_3495MHz_Outer_Full



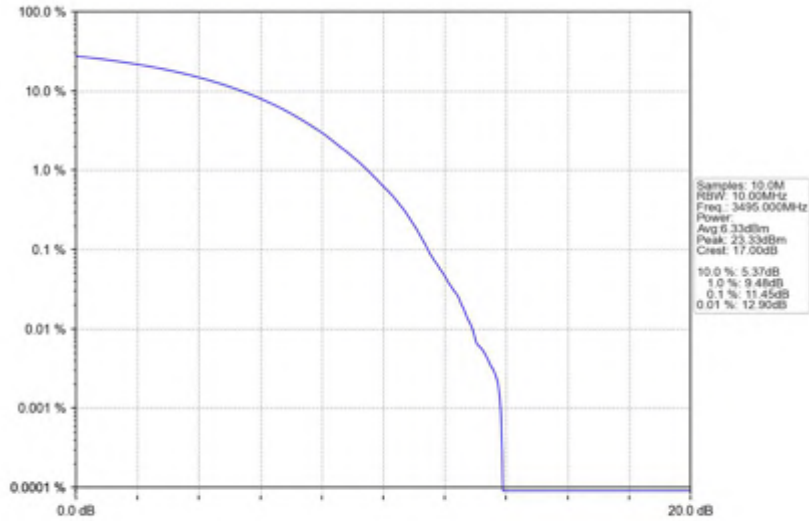
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full



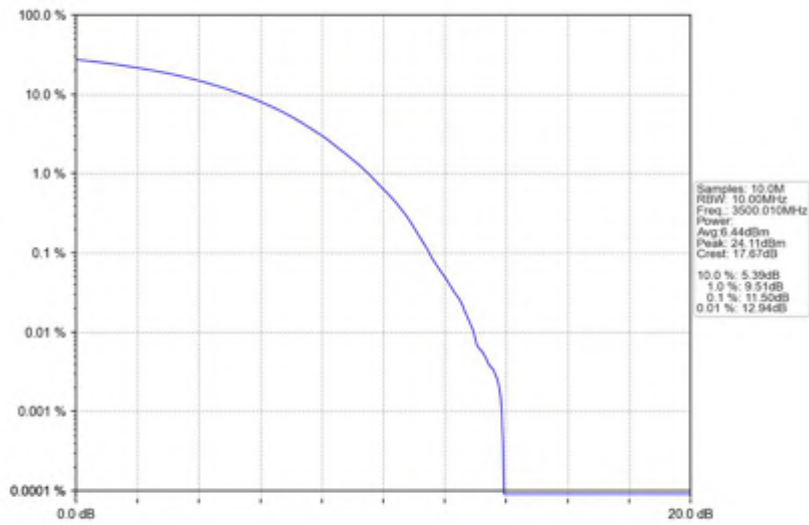
n78(3450-3550MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM_64_QAM_3504.99MHz_Outer_Full



n78(3450-3550MHz) 30kHz SISO NTN 90MHz CP-OFDM 256 QAM 3495MHz Outer Full

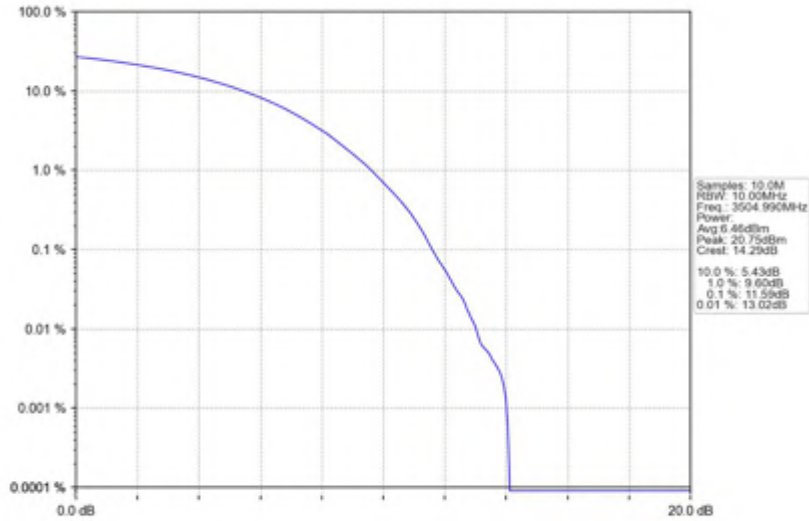


n78(3450-3550MHz) 30kHz SISO NTN 90MHz CP-OFDM 256 QAM 3500.01MHz Outer Full





n78(3450-3550MHz) 30kHz SISO NTV 90MHz CP-OFDM 256 QAM 3504.99MHz Outer Full



4.9 30k_SISO_100MHz_NTNV

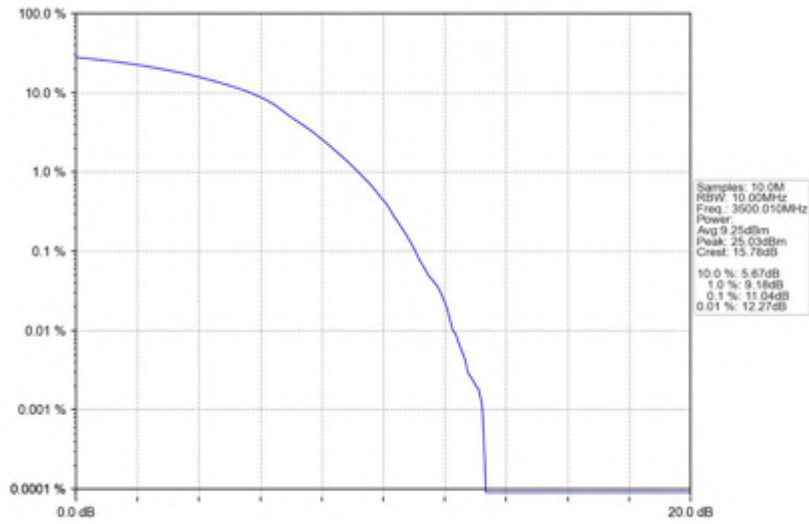
4.9.1 Test Result

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

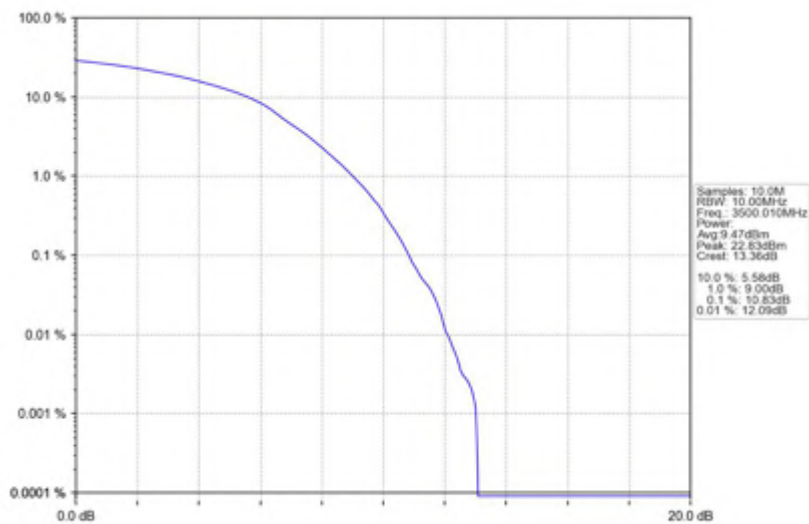


4.9.2 Test Graph

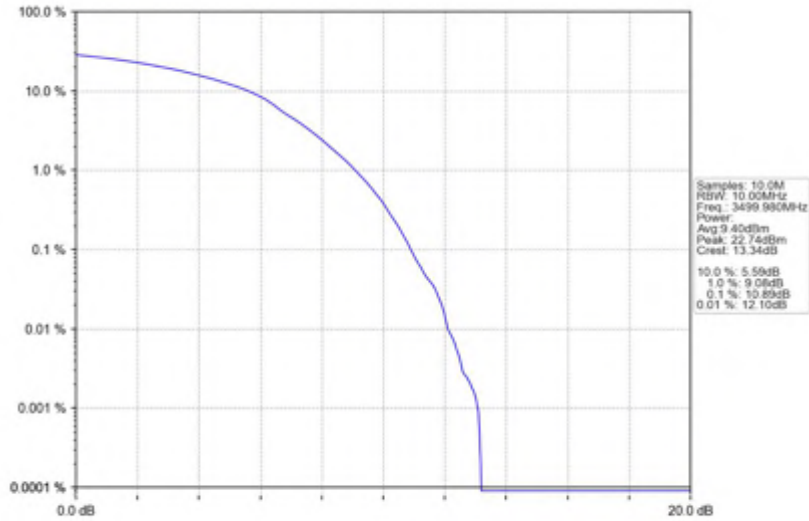
n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



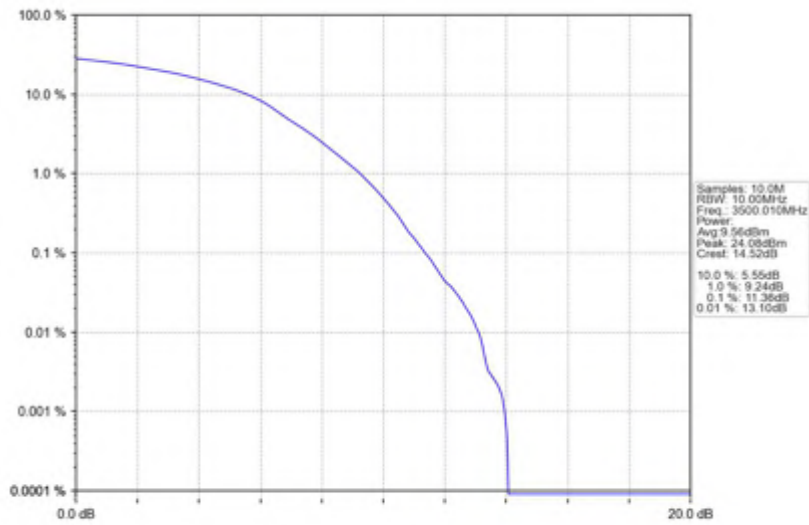
n78(3450-3550MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



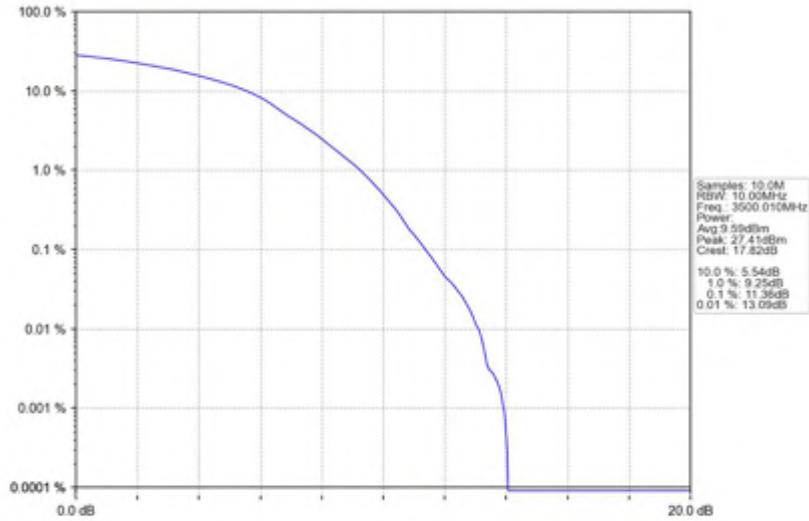
n78(3450-3550MHz) 30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_PI/2_BPSK_3499.98MHz_Outer_Full



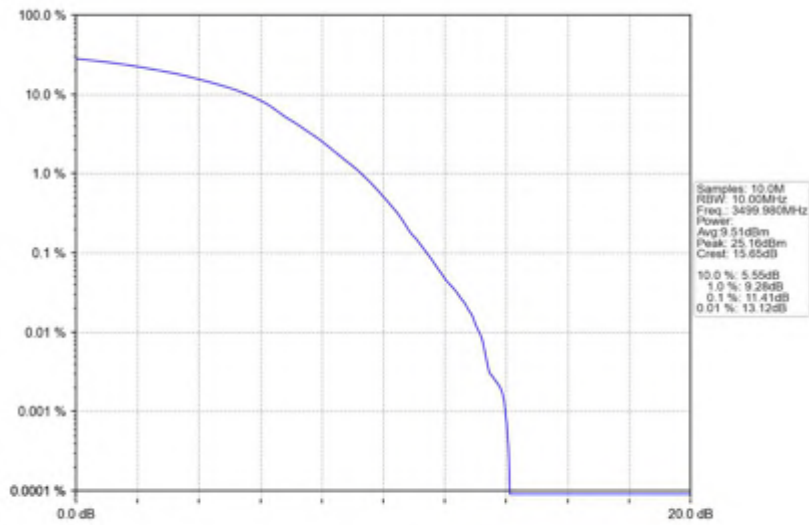
n78(3450-3550MHz) 30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full



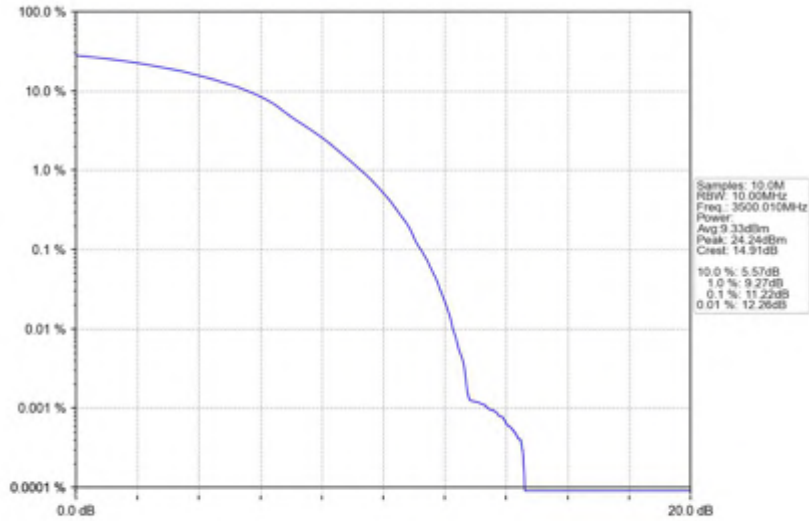
n78(3450-3550MHz) 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3500.01MHz Outer Full



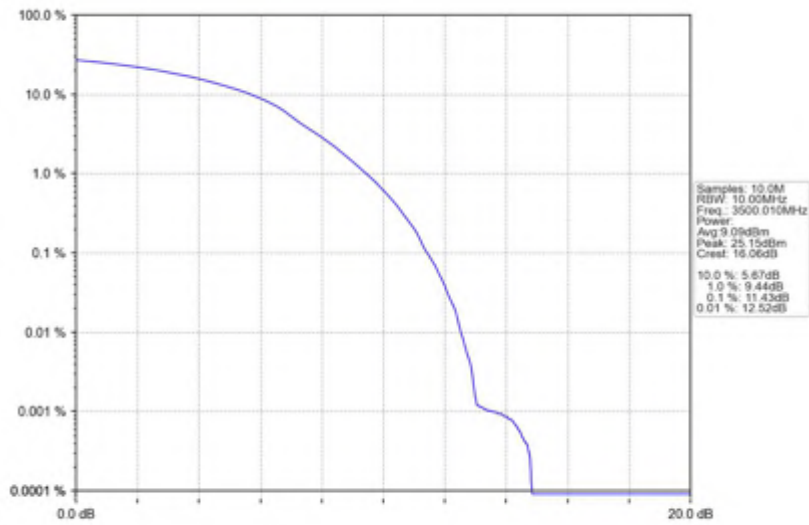
n78(3450-3550MHz) 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3499.98MHz Outer Full



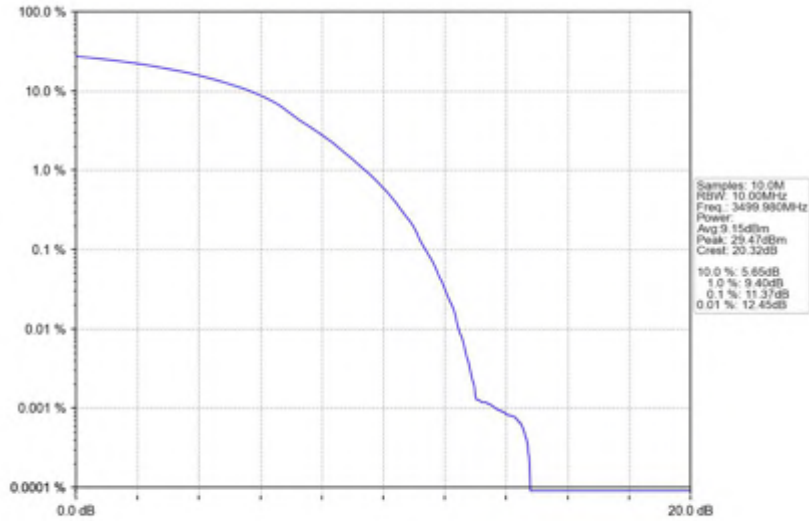
n78(3450-3550MHz) 30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full



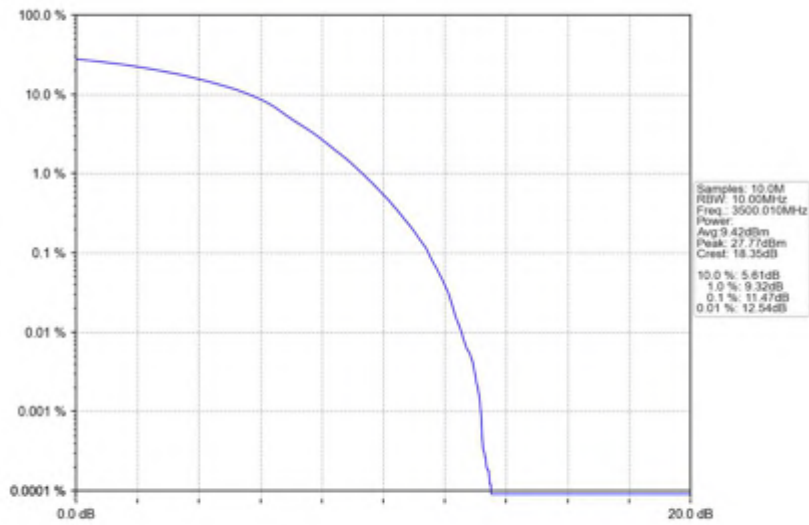
n78(3450-3550MHz) 30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full



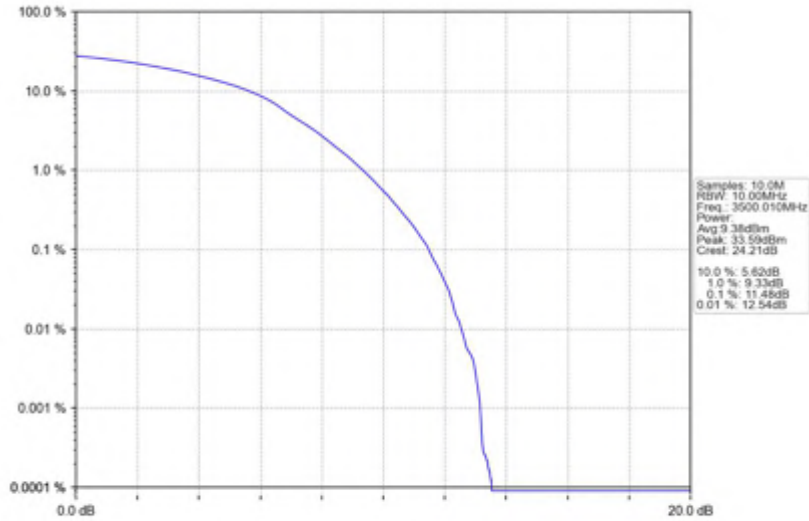
n78(3450-3550MHz) 30kHz SISO NTN 100MHz DFT-s-OFDM 16 QAM 3499.98MHz Outer Full



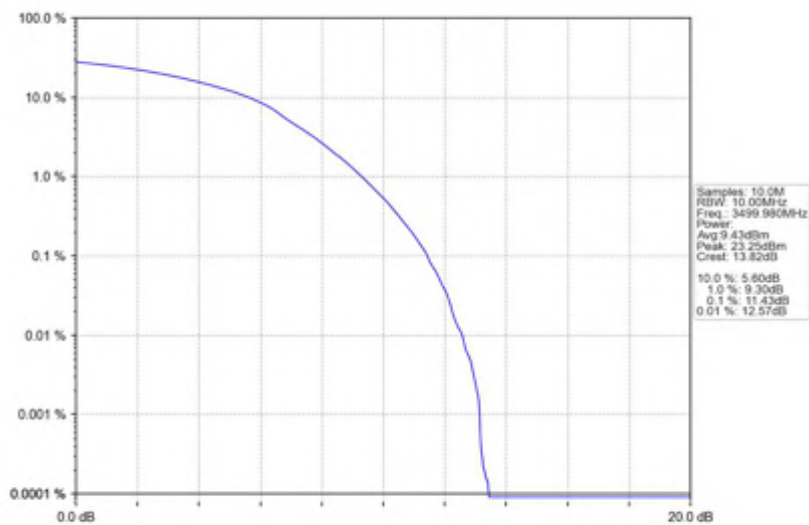
n78(3450-3550MHz) 30kHz SISO NTN 100MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full



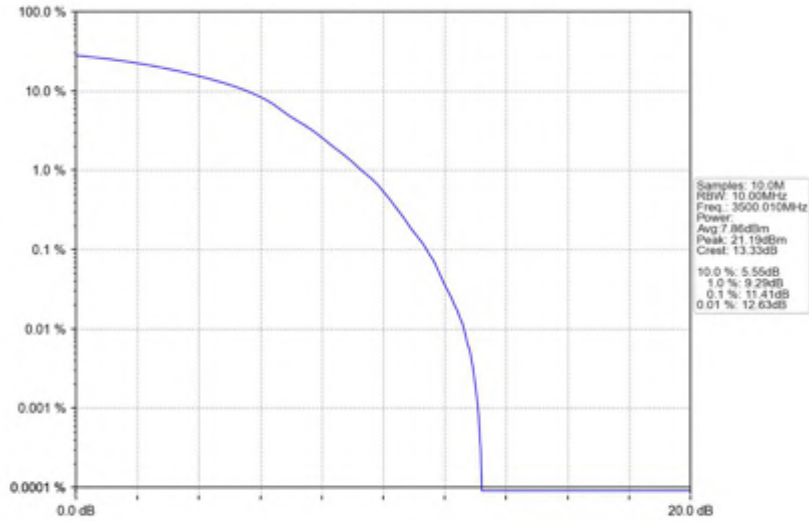
n78(3450-3550MHz) 30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full



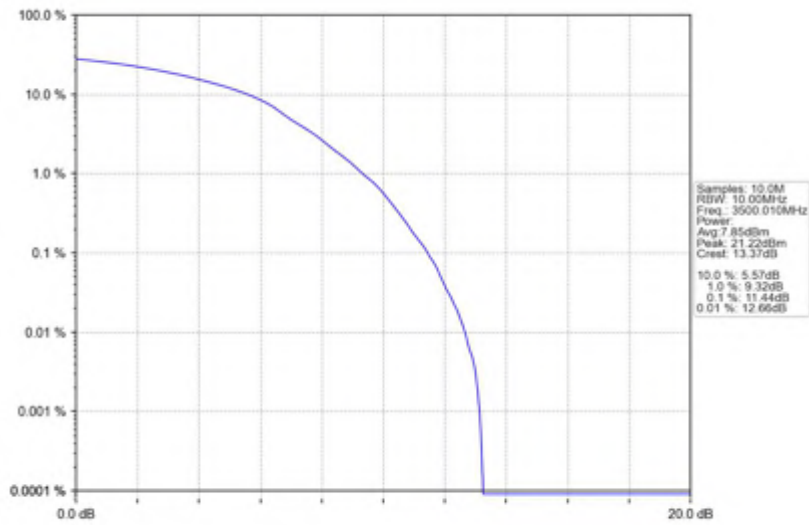
n78(3450-3550MHz) 30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_3499.98MHz_Outer_Full



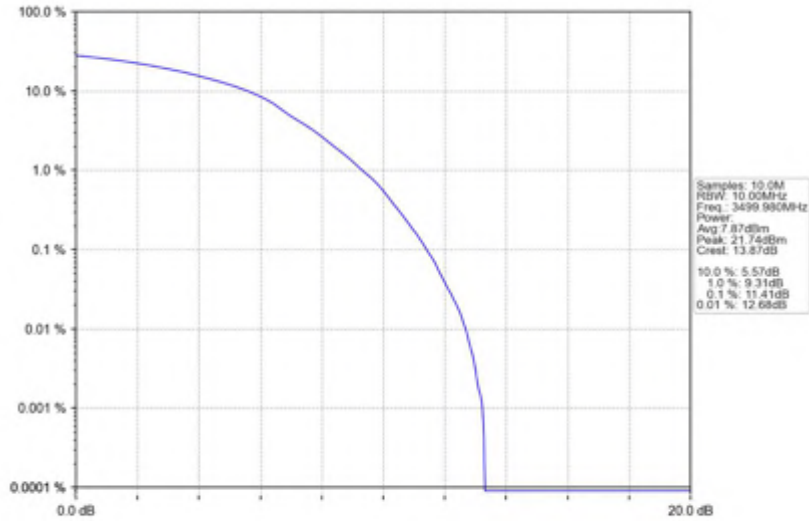
n78(3450-3550MHz) 30kHz SISO NTV 100MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full



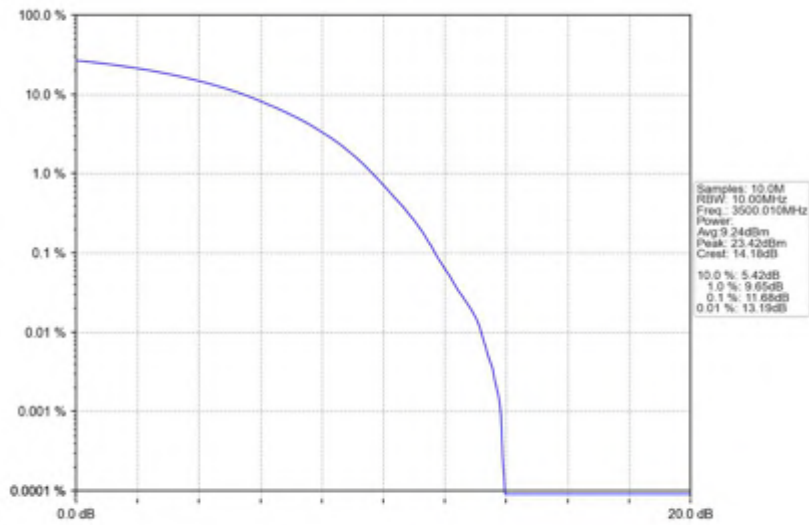
n78(3450-3550MHz) 30kHz SISO NTV 100MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full



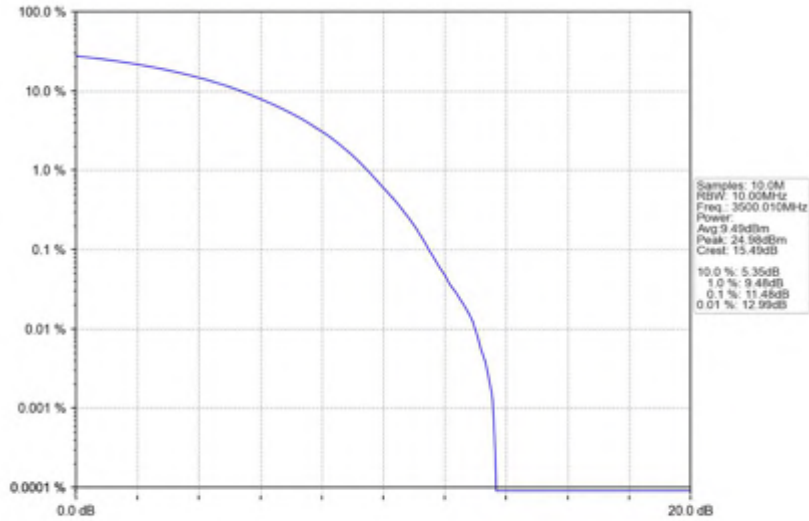
n78(3450-3550MHz) 30kHz SISO NTV 100MHz DFT-s-OFDM 256 QAM 3499.98MHz Outer Full



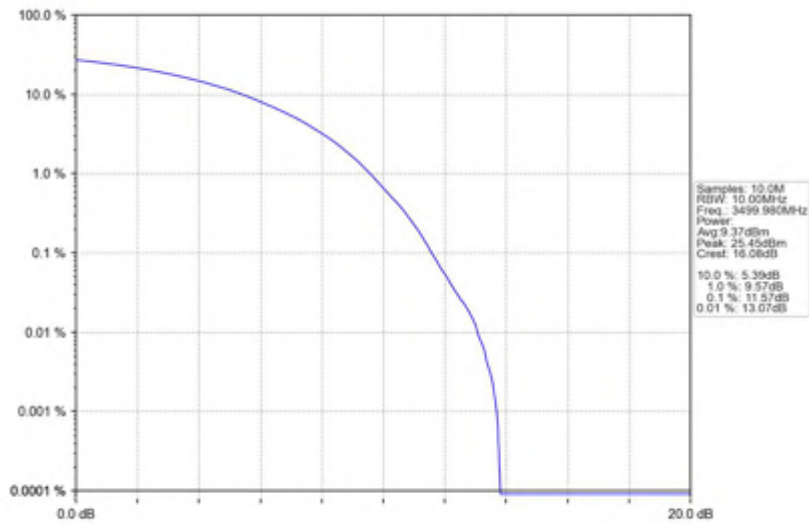
n78(3450-3550MHz) 30kHz SISO NTV 100MHz CP-OFDM QPSK 3500.01MHz Outer Full



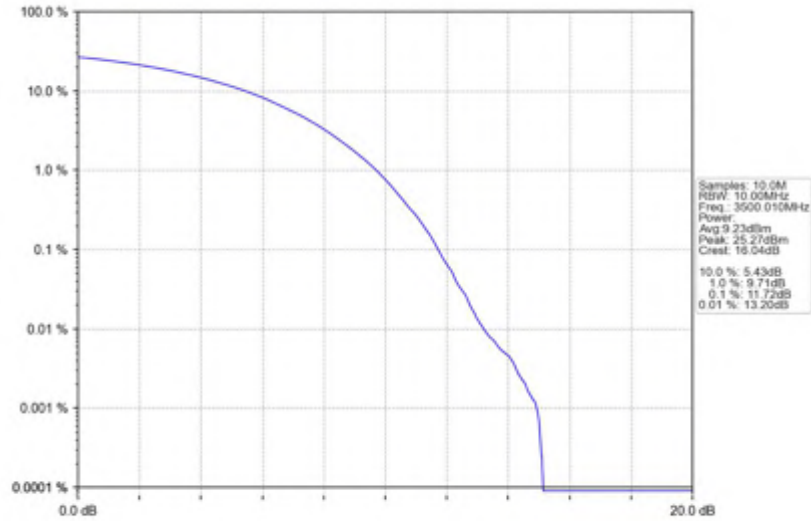
n78(3450-3550MHz) 30kHz SISO_NTNV_100MHz_CP-OFDM QPSK_3500.01MHz_Outer_Full



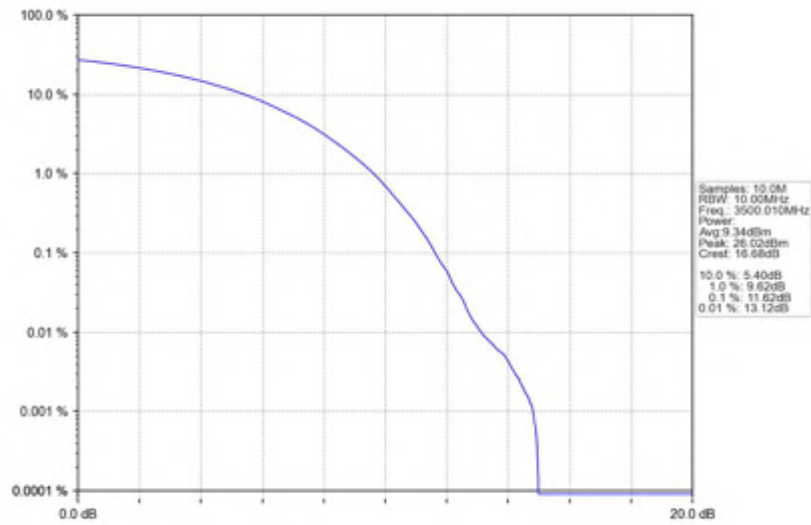
n78(3450-3550MHz) 30kHz SISO_NTNV_100MHz_CP-OFDM QPSK_3499.98MHz_Outer_Full



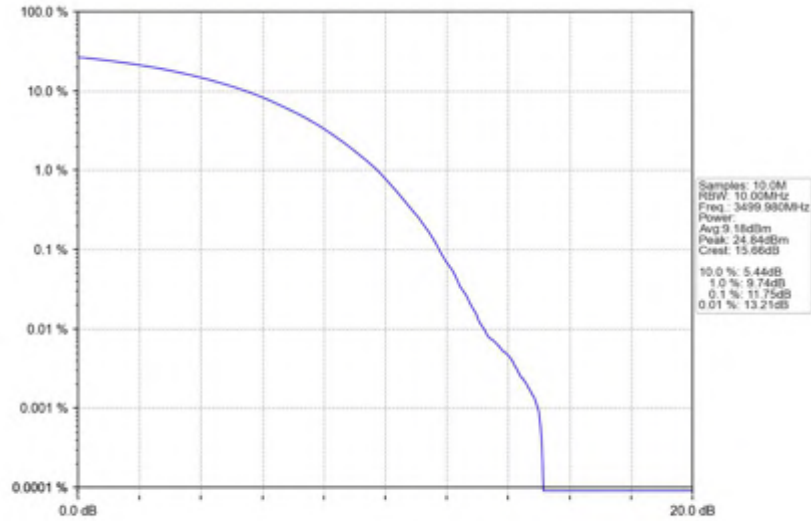
n78(3450-3550MHz) 30kHz SISO NTV 100MHz CP-OFDM 16 QAM 3500.01MHz Outer Full



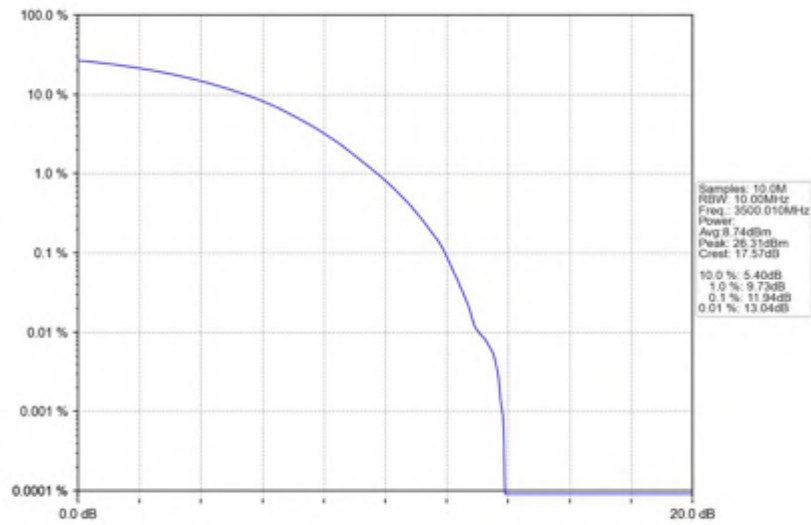
n78(3450-3550MHz) 30kHz SISO NTV 100MHz CP-OFDM 16 QAM 3500.01MHz Outer Full



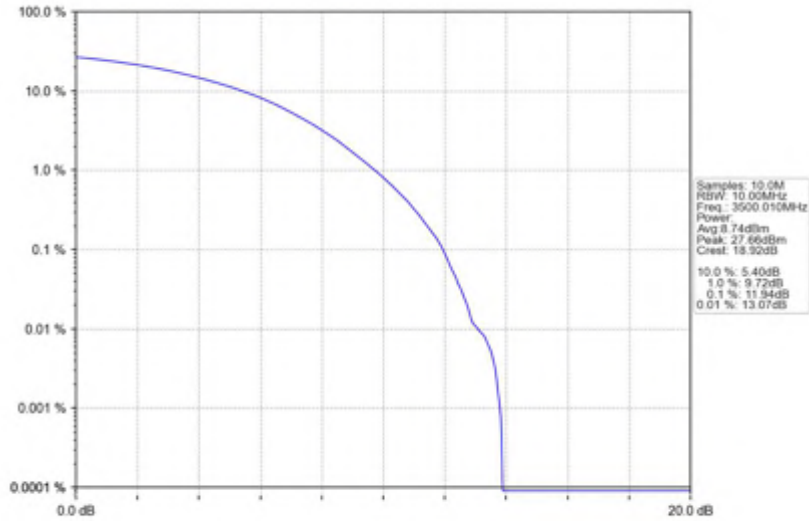
n78(3450-3550MHz) 30kHz SISO NTV 100MHz CP-OFDM 16 QAM 3499.98MHz Outer Full



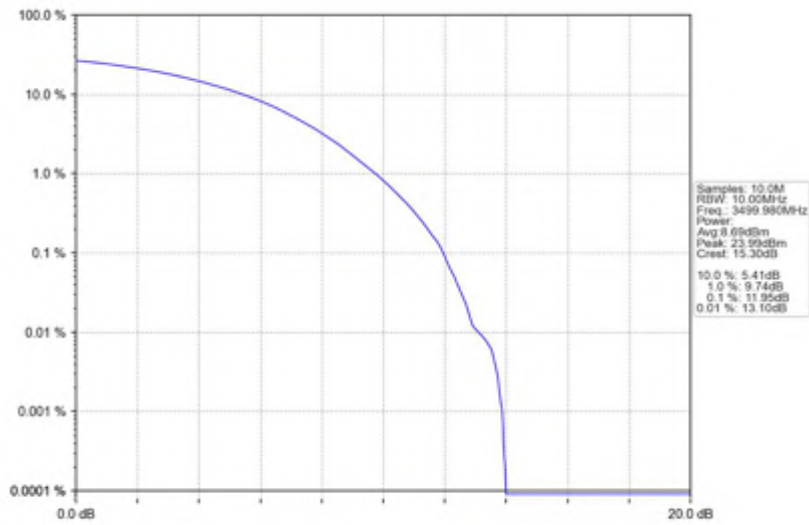
n78(3450-3550MHz) 30kHz SISO NTV 100MHz CP-OFDM 64 QAM 3500.01MHz Outer Full



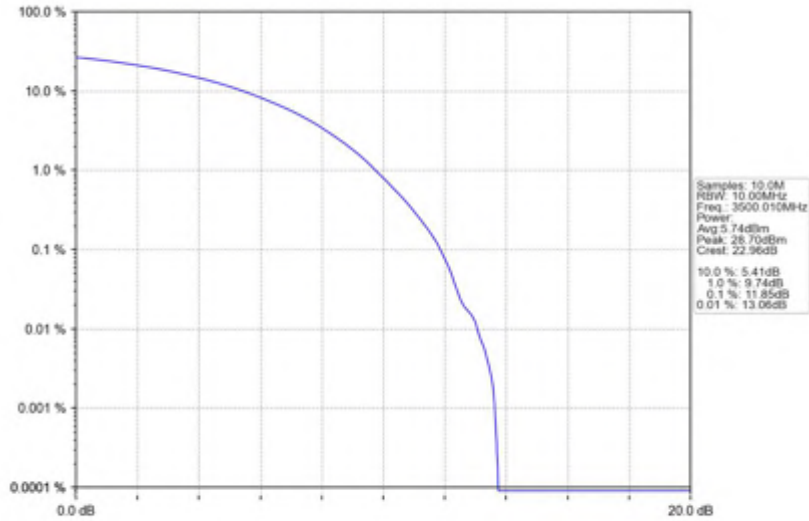
n78(3450-3550MHz) 30kHz SISO NTV 100MHz CP-OFDM 64 QAM 3500.01MHz Outer Full



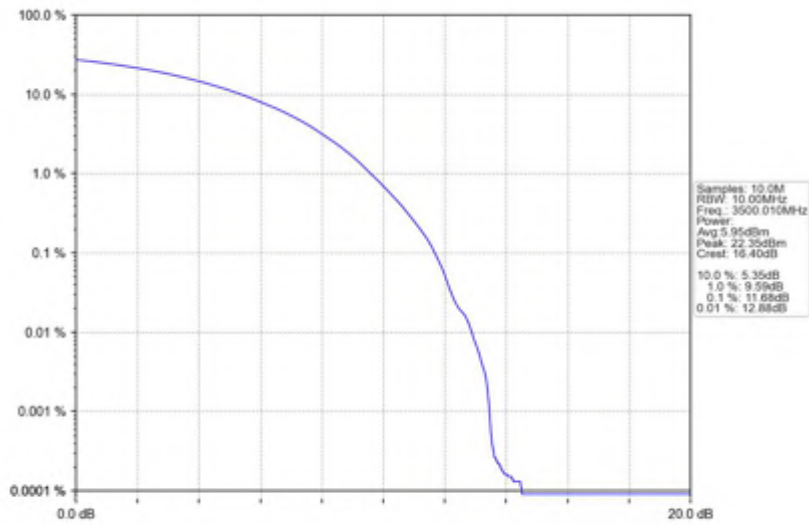
n78(3450-3550MHz) 30kHz SISO NTV 100MHz CP-OFDM 64 QAM 3499.98MHz Outer Full



n78(3450-3550MHz) 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3500.01MHz Outer Full

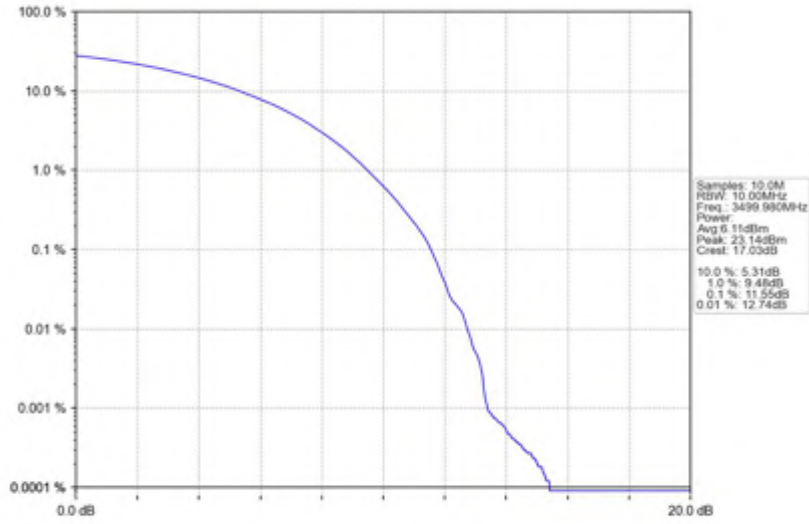


n78(3450-3550MHz) 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3500.01MHz Outer Full





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



5. Spurious Emission

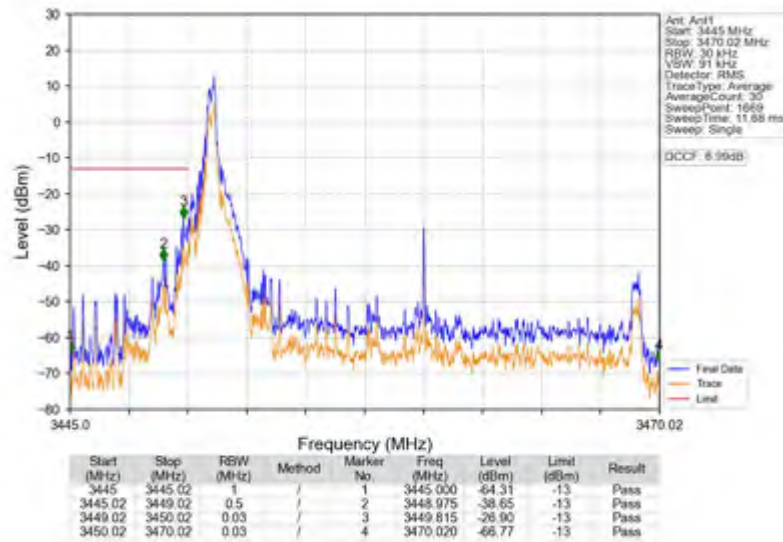
5.1 30k_SISO_20MHz_NTNV

5.1.1 Test Result

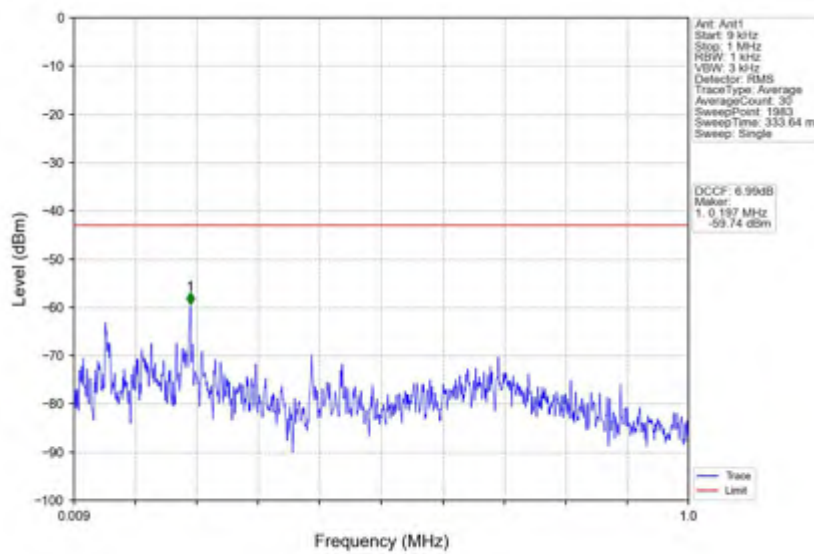
5G NR n78(3450-3550MHz) SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict	
			Ant1	Ant2	Sum		Limit
DFT-s-OFDM PI/2 BPSK	3460.02	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph		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

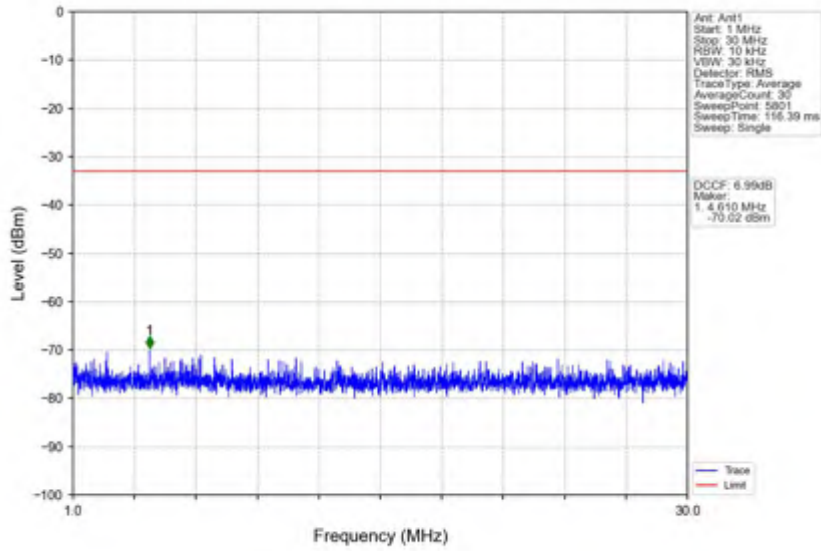
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



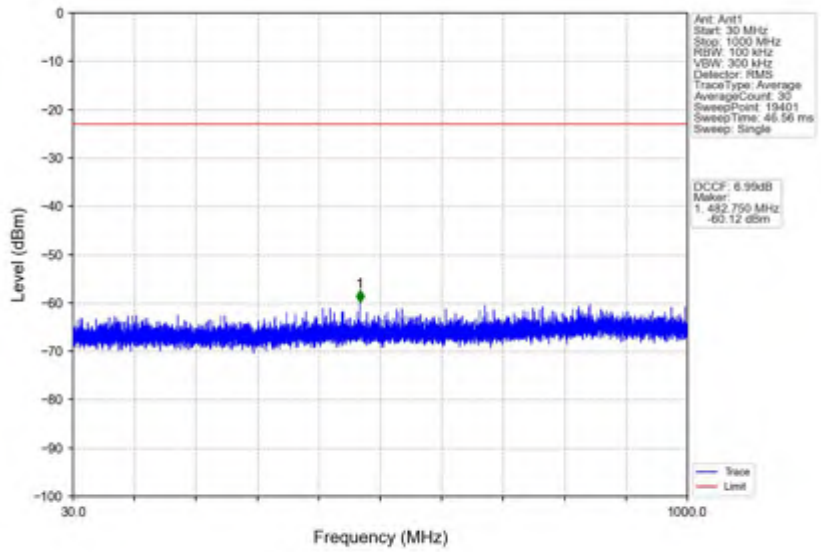
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



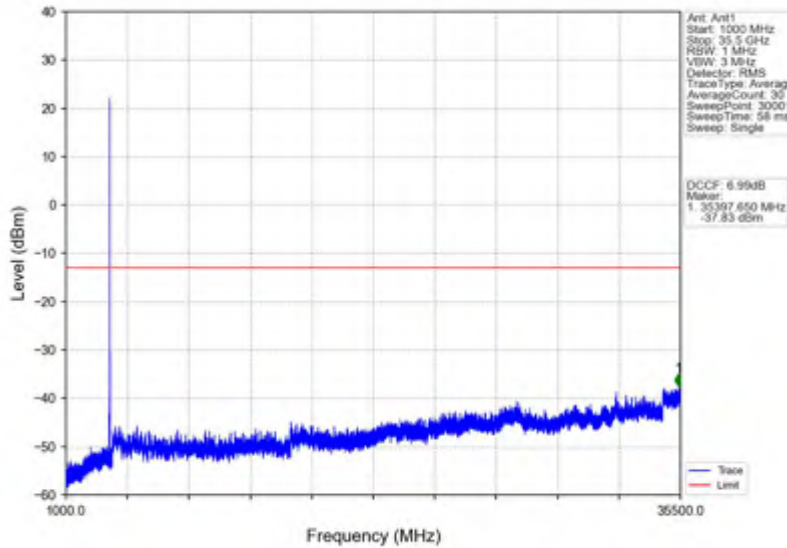
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



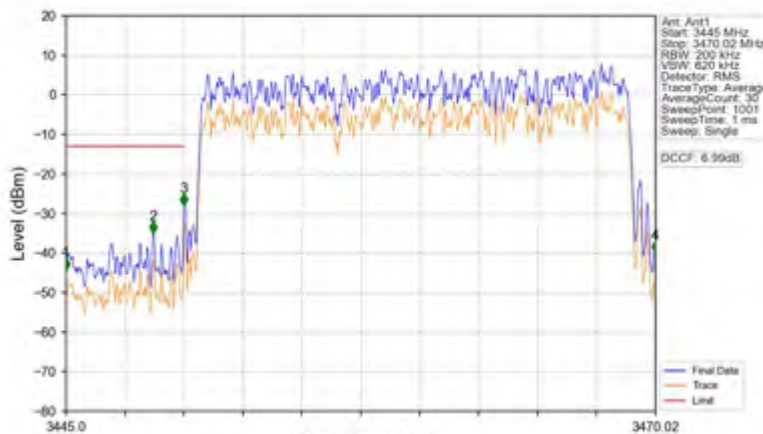
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz DFT-s-OFDM PI/2 BPSK 3460.02MHz Edge 1RB Left

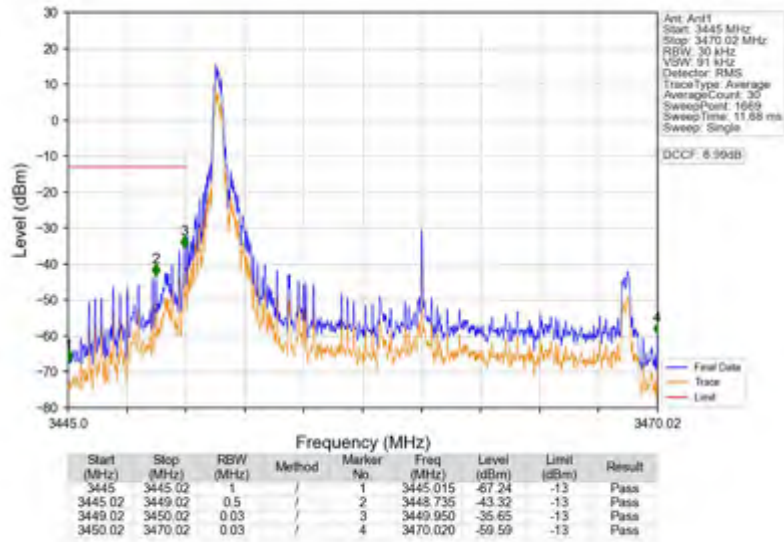


n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz DFT-s-OFDM PI/2 BPSK 3460.02MHz Outer_Full

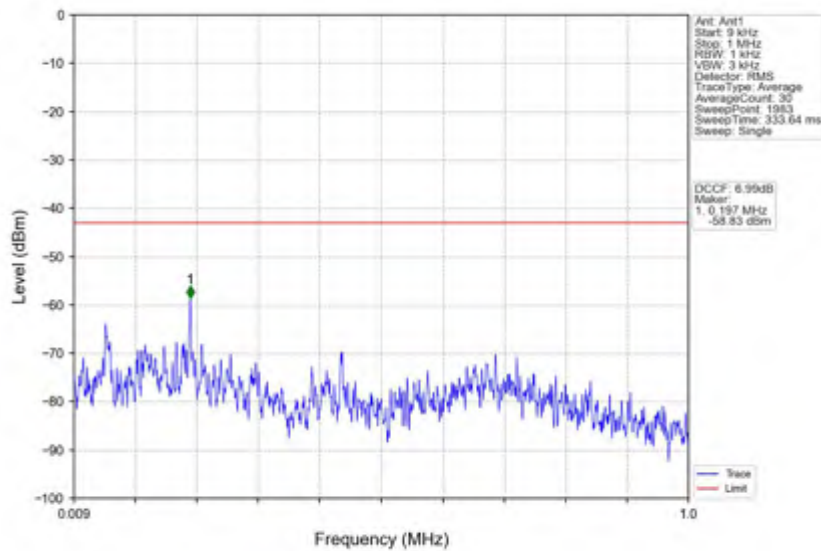


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	/	1	3445.000	-44.26	-13	Pass
3445.02	3449.02	0.5	/	2	3448.703	-35.00	-13	Pass
3449.02	3450.02	0.2	/	3	3450.004	-27.99	-13	Pass
3450.02	3470.02	0.2	/	4	3470.020	-39.90	-13	Pass

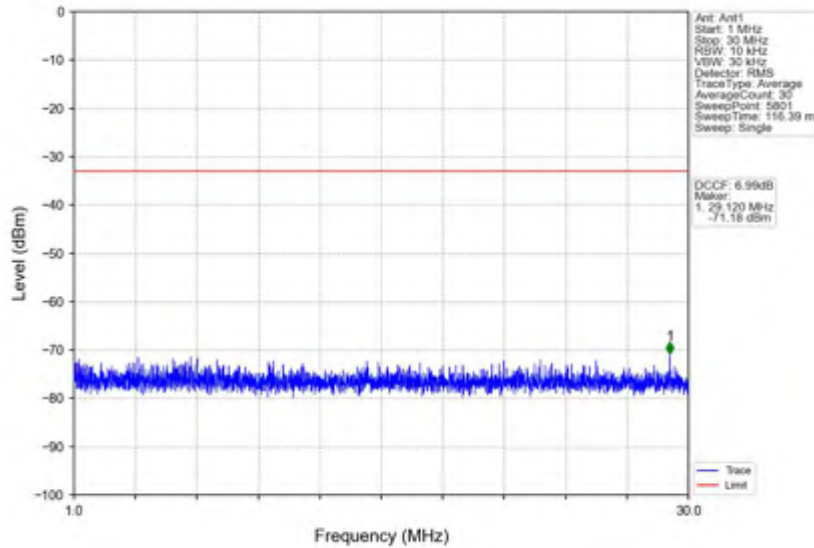
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Inner_1RB_Left



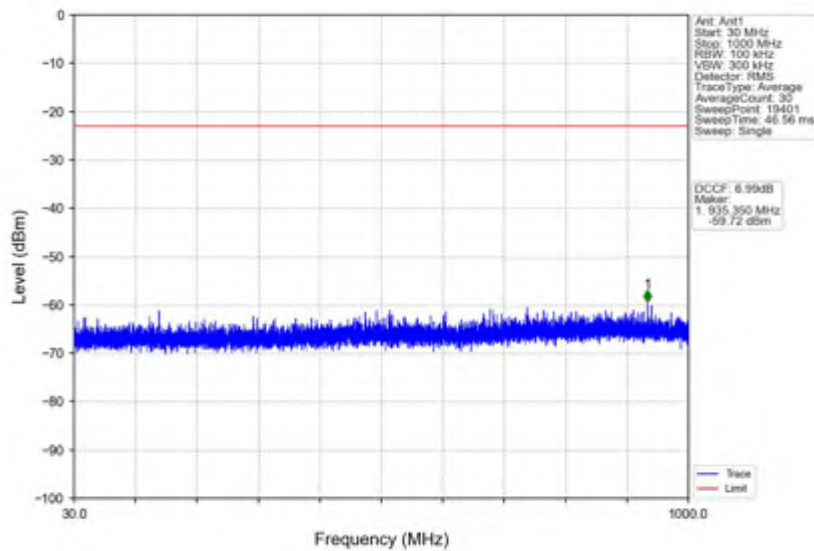
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



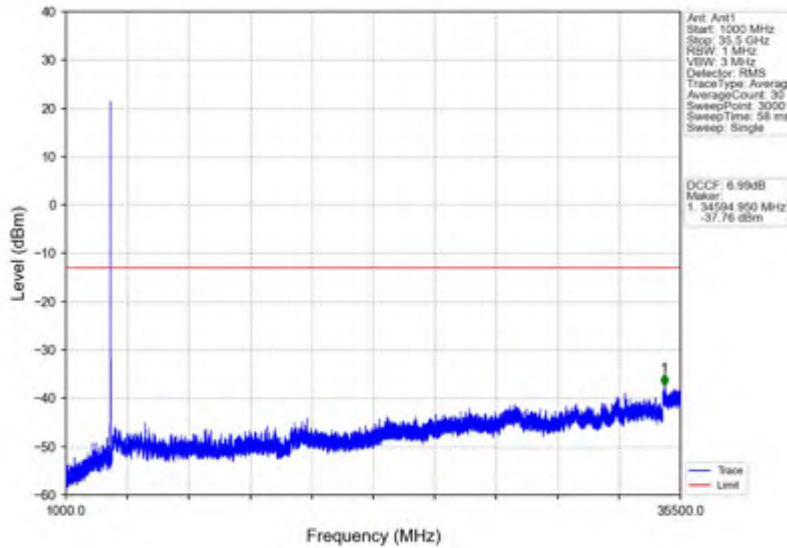
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



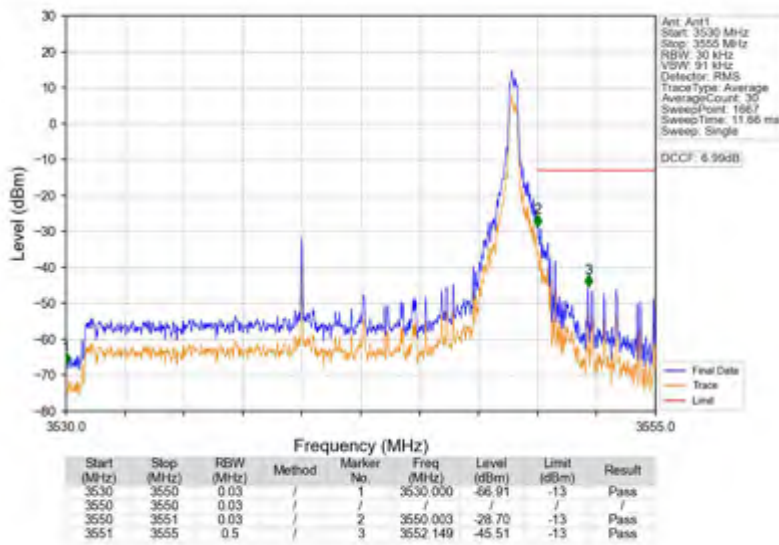
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



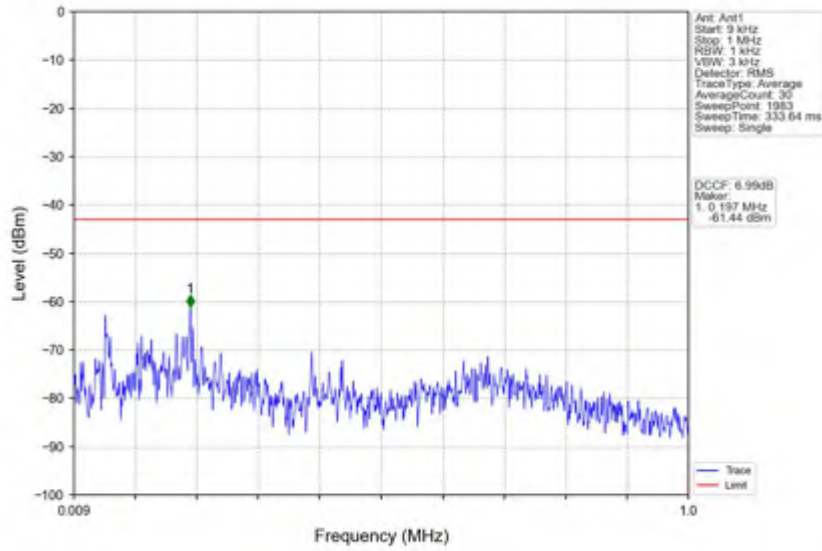
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left



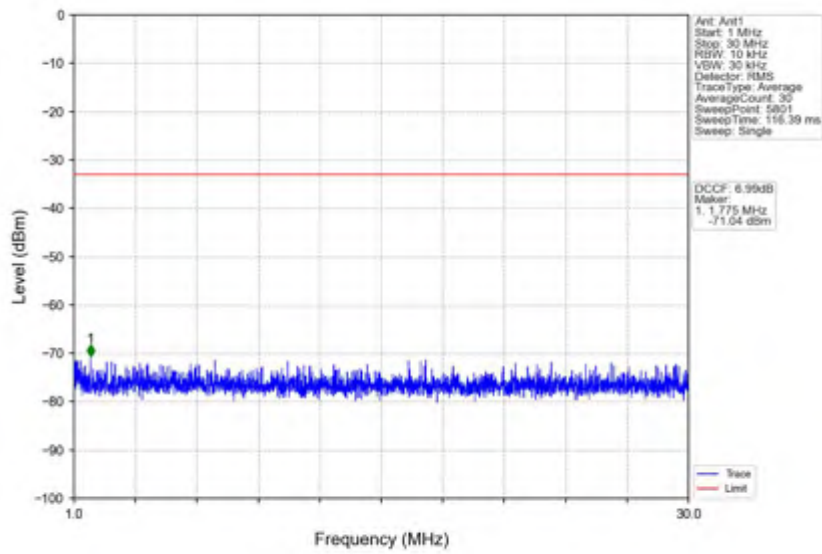
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz DFT-s-OFDM PI/2 BPSK 3540MHz_Edge_1RB_Right



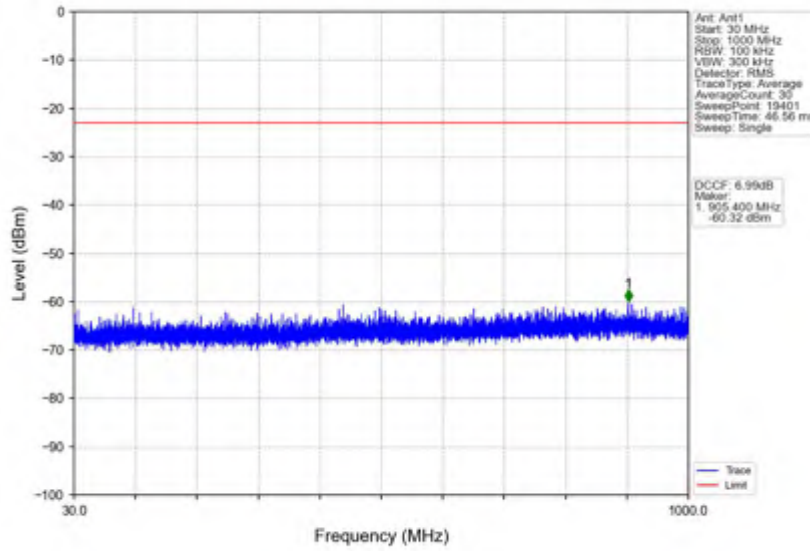
n78(3450-3550MHz) 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3540MHz Edge 1RB Right



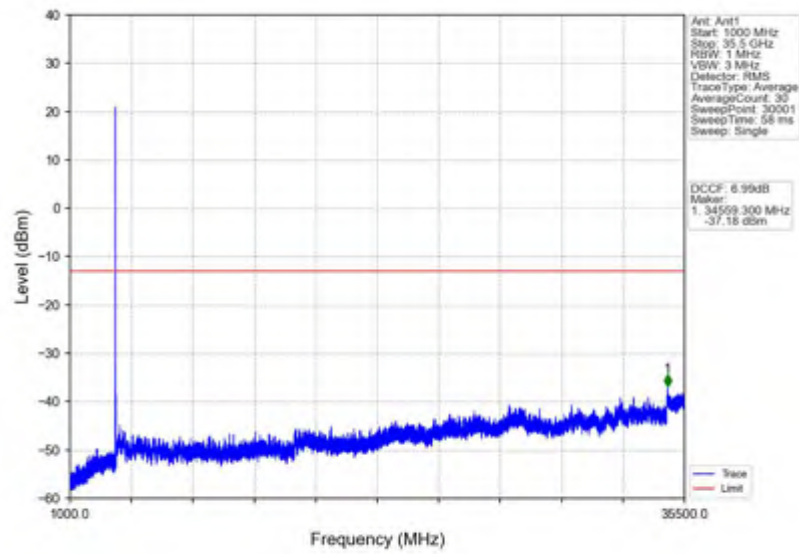
n78(3450-3550MHz) 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3540MHz Edge 1RB Right



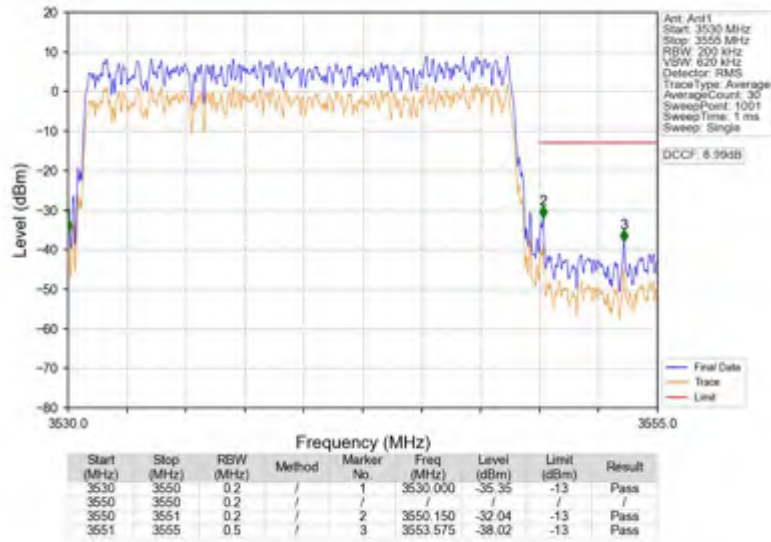
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3540MHz_Edge_1RB_Right



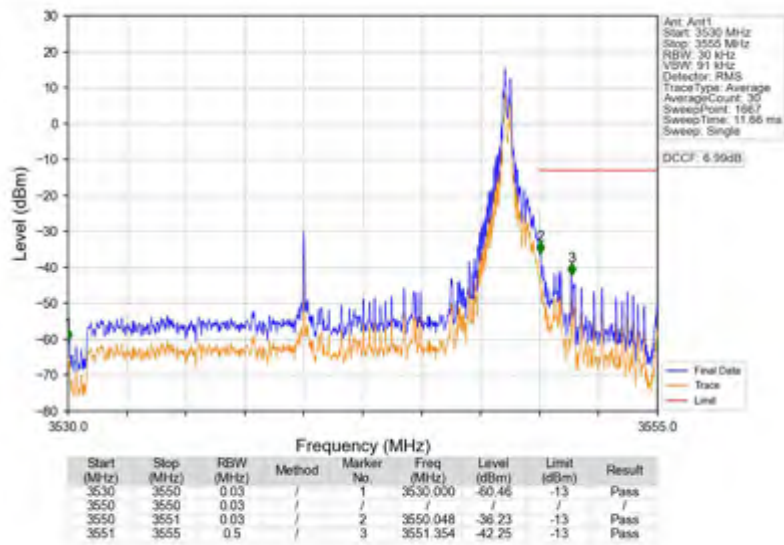
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3540MHz_Edge_1RB_Right



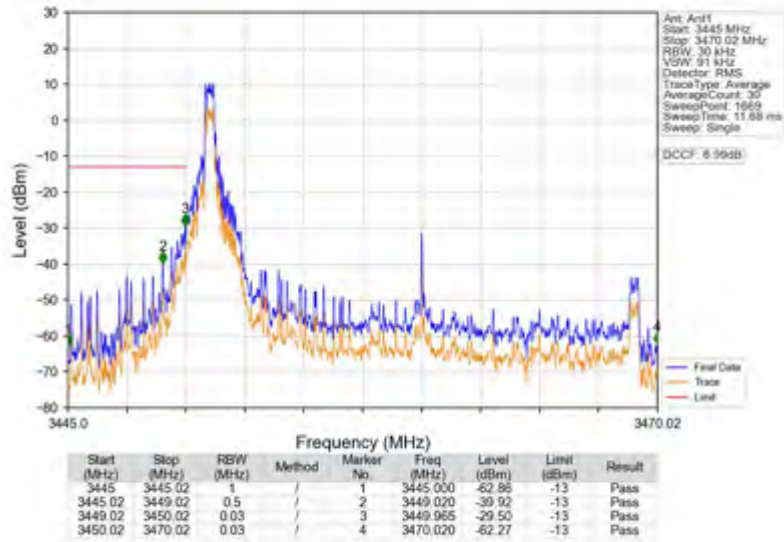
n78(3450-3550MHz) 30kHz SISO NTNv 20MHz DFT-s-OFDM PI/2 BPSK 3540MHz Outer Full



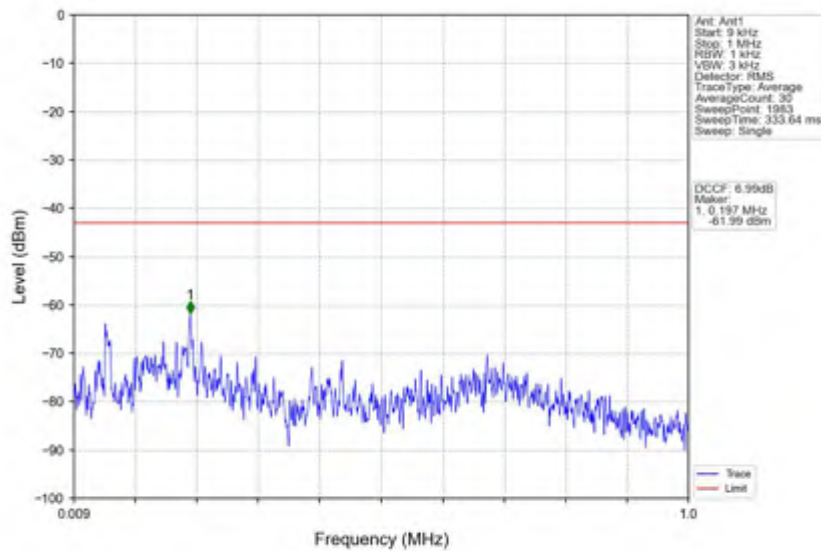
n78(3450-3550MHz) 30kHz SISO NTNv 20MHz DFT-s-OFDM PI/2 BPSK 3540MHz Inner 1RB Right



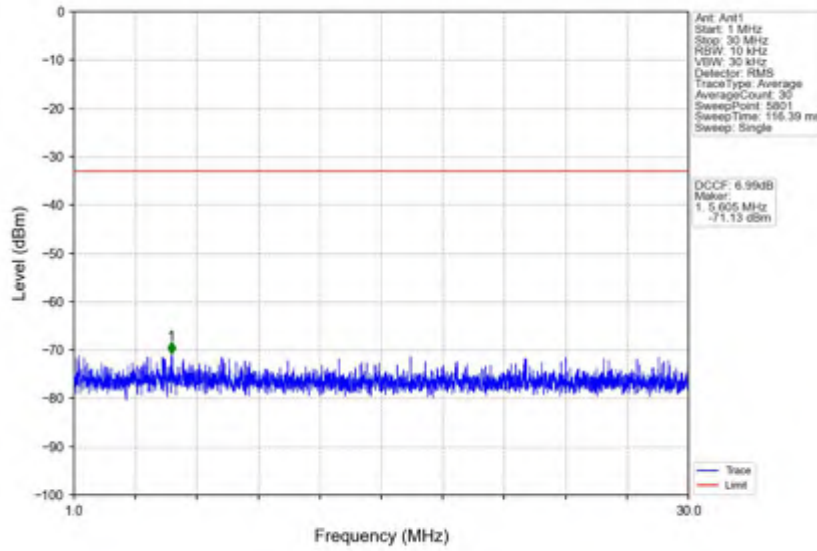
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



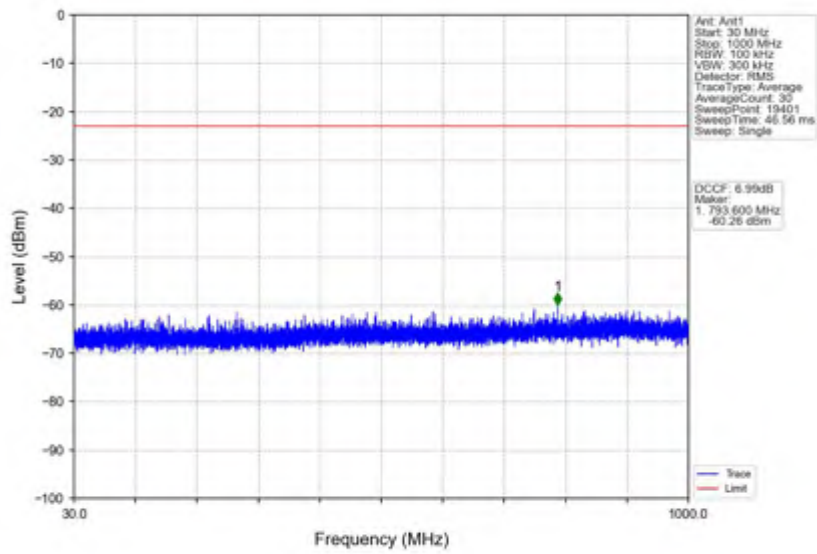
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



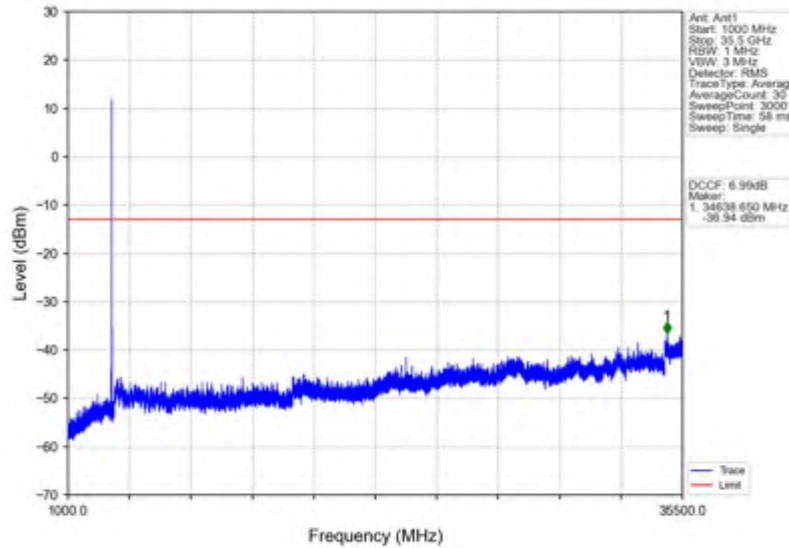
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



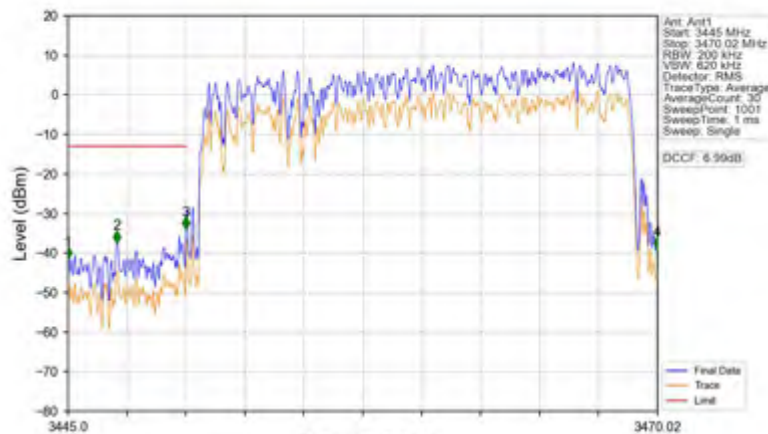
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



n78(3450-3550MHz) 30kHz SISO NTVN 20MHz DFT-s-OFDM QPSK 3460.02MHz Edge 1RB Left

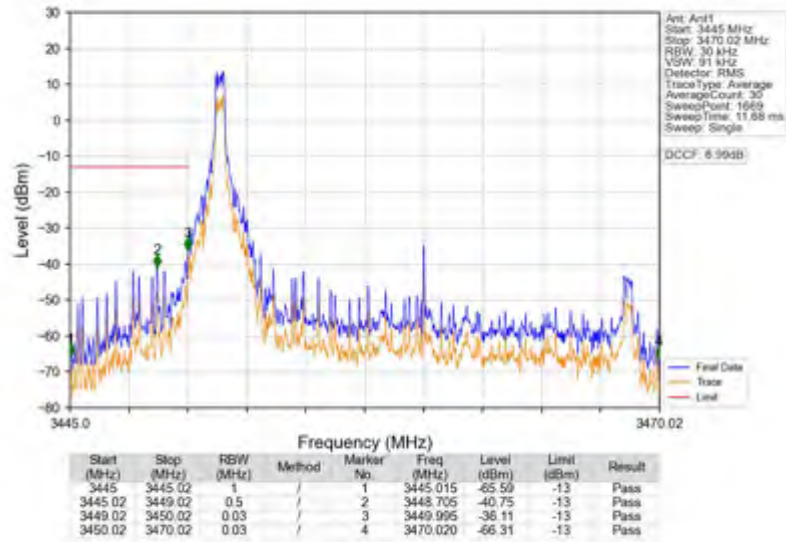


n78(3450-3550MHz) 30kHz SISO NTVN 20MHz DFT-s-OFDM QPSK 3460.02MHz Outer Full

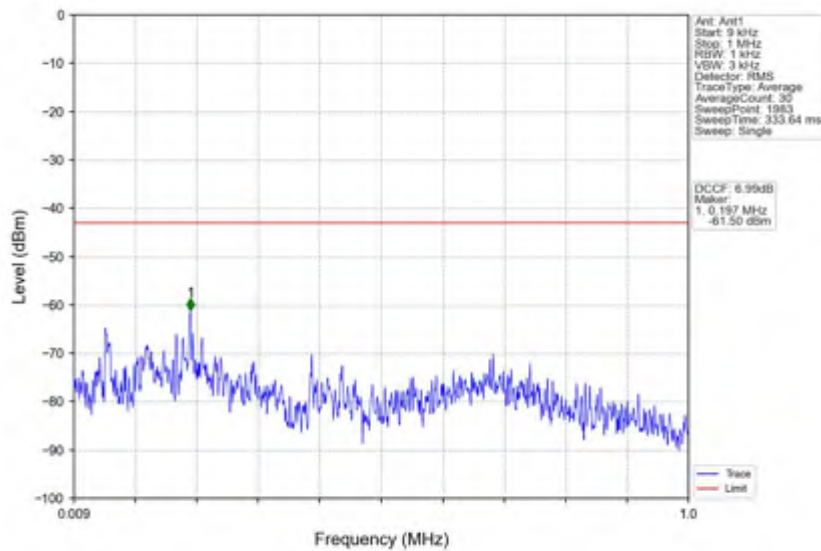


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	/	1	3445.000	-41.61	-13	Pass
3445.02	3449.02	0.5	/	2	3447.077	-37.40	-13	Pass
3449.02	3450.02	0.2	/	3	3450.004	-33.91	-13	Pass
3450.02	3470.02	0.2	/	4	3470.020	-38.94	-13	Pass

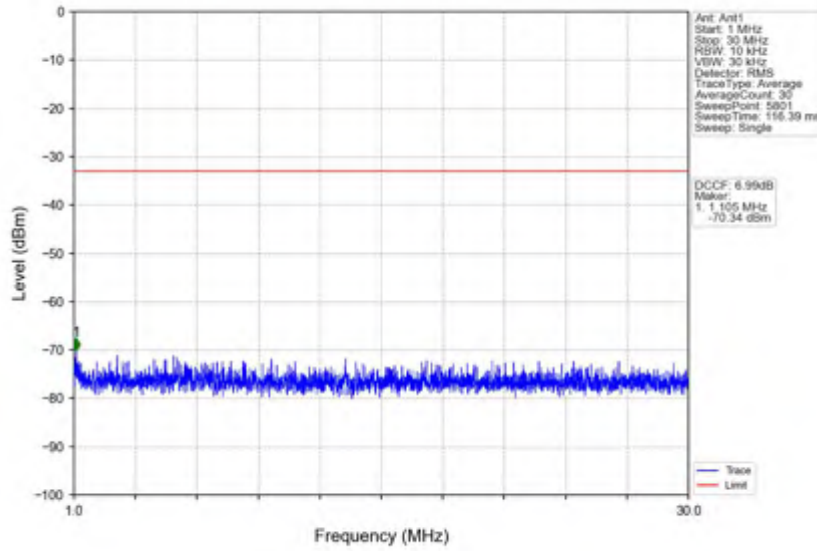
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Inner_1RB_Left



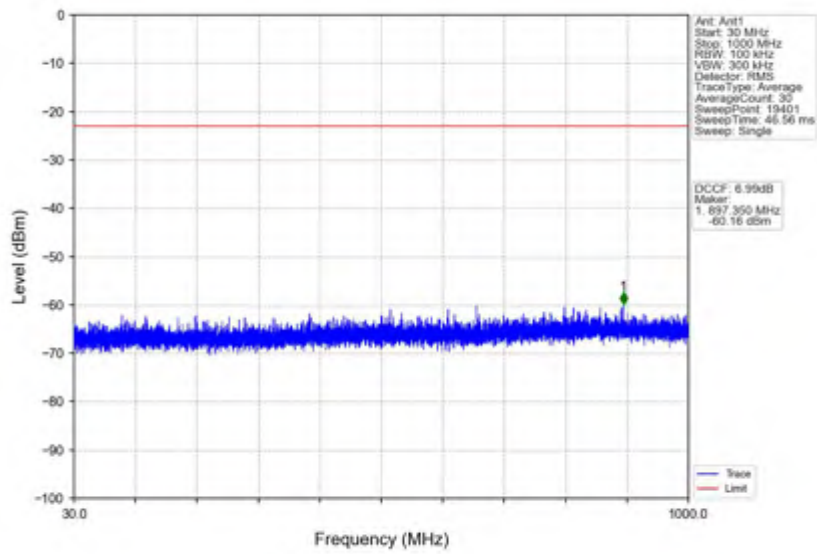
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



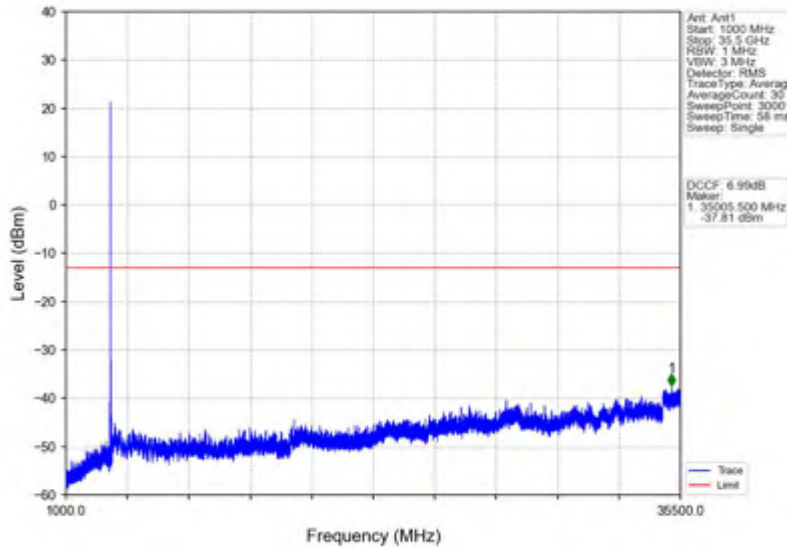
n78(3450-3550MHz) 30kHz SISO NTVN 20MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left



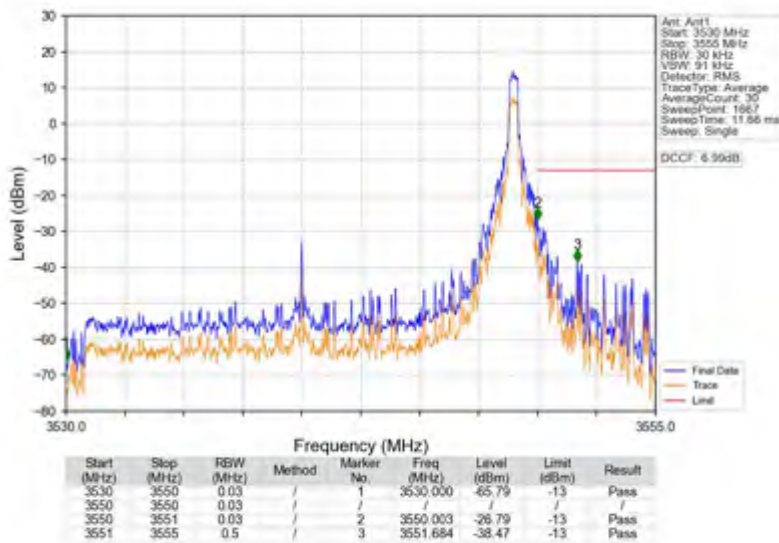
n78(3450-3550MHz) 30kHz SISO NTVN 20MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left



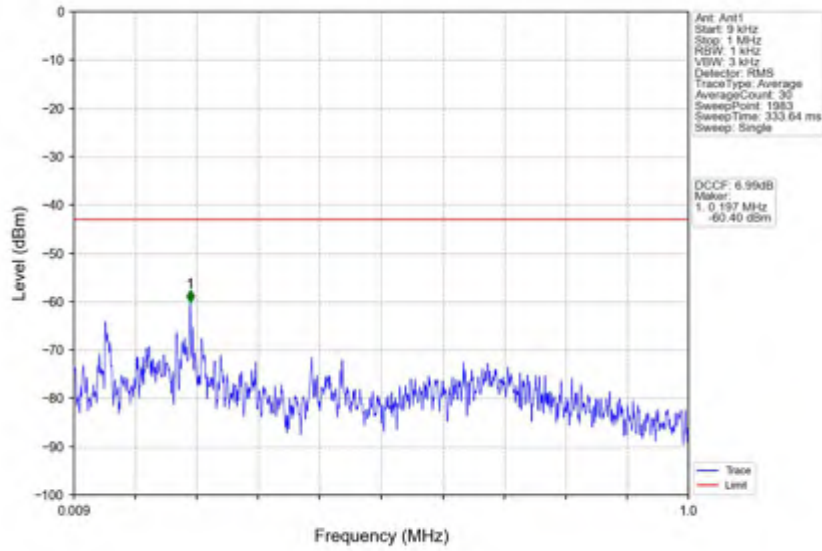
n78(3450-3550MHz) 30kHz SISO NTVN 20MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left



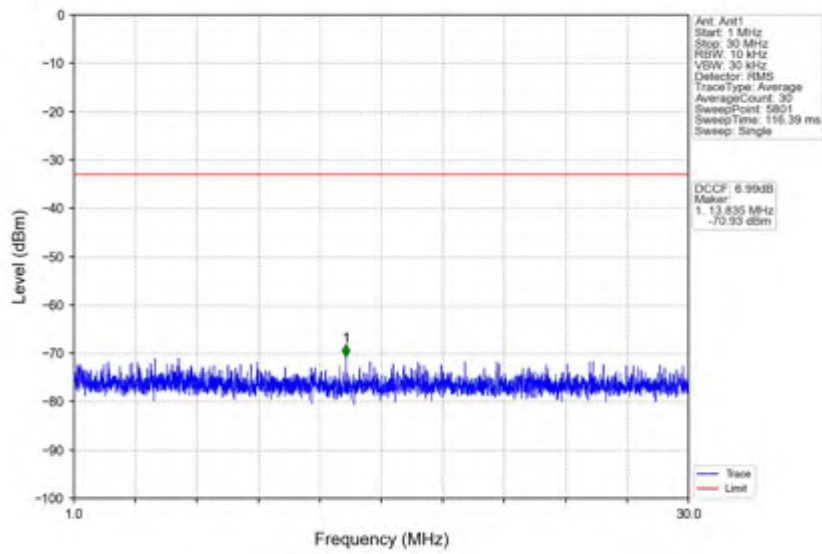
n78(3450-3550MHz) 30kHz SISO NTVN 20MHz DFT-s-OFDM QPSK 3540MHz Edge 1RB Right



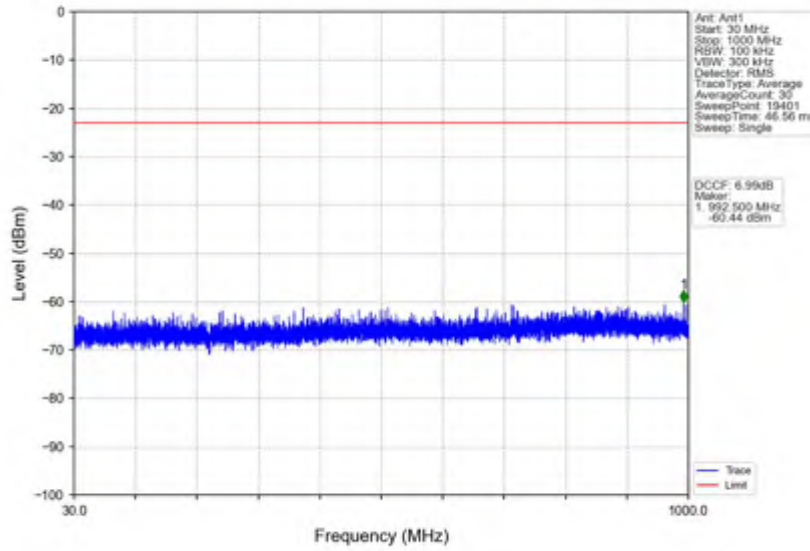
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Edge_1RB_Right



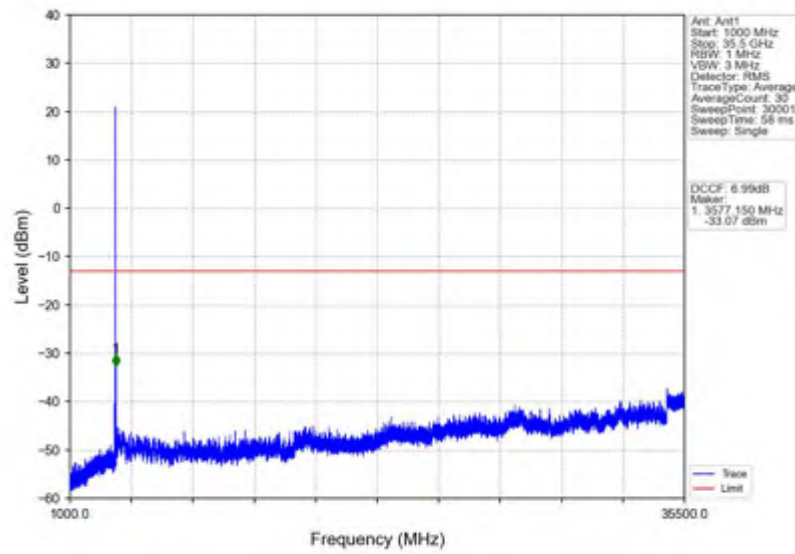
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Edge_1RB_Right



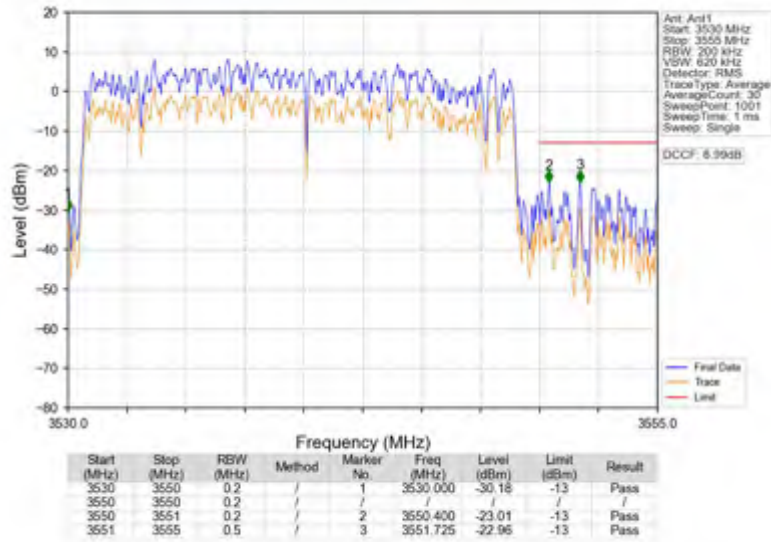
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Edge_1RB_Right



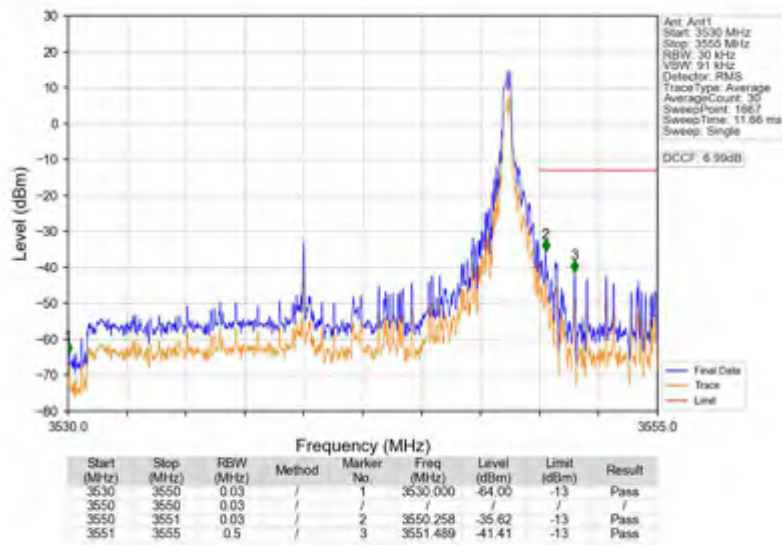
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Edge_1RB_Right



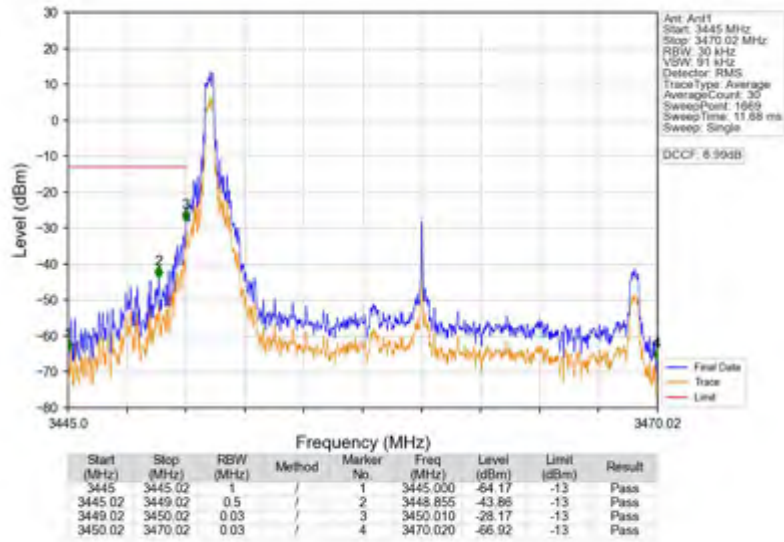
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Outer_Full



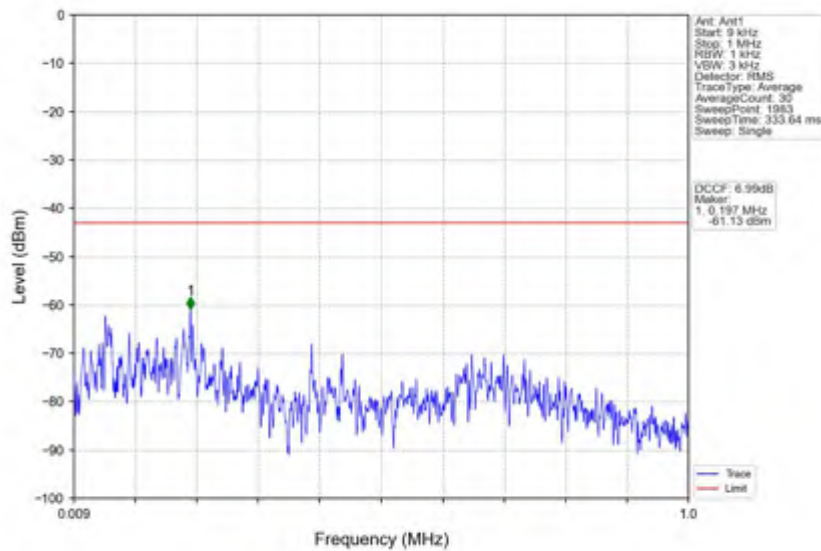
n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Inner_1RB_Right



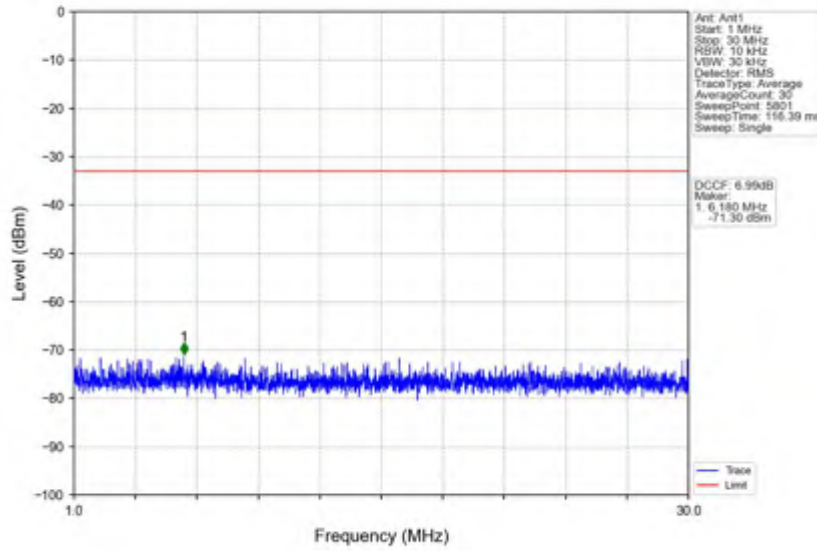
n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



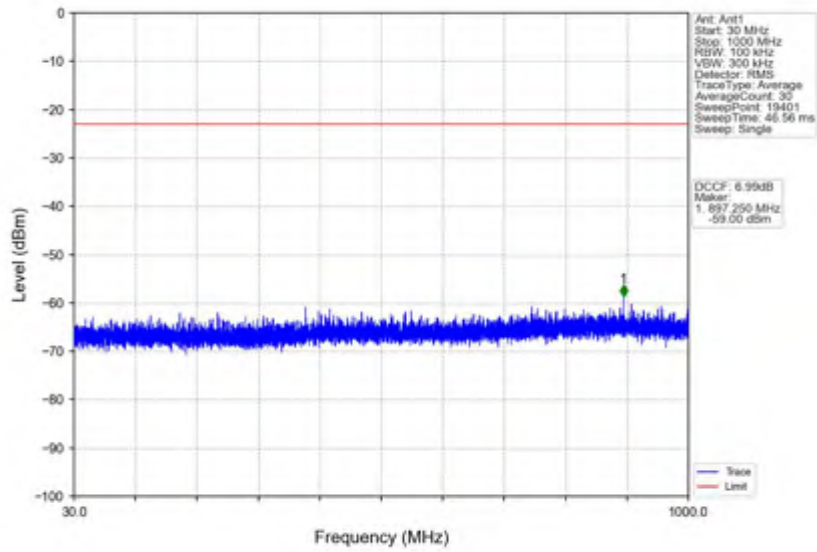
n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



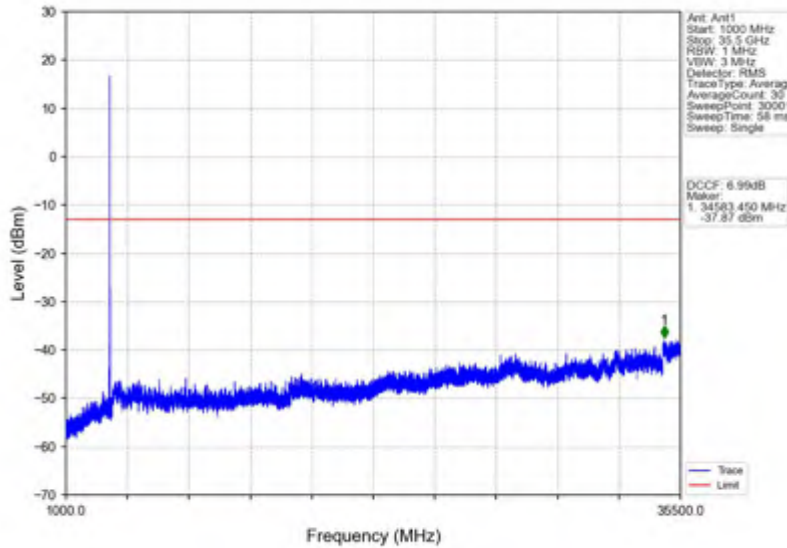
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



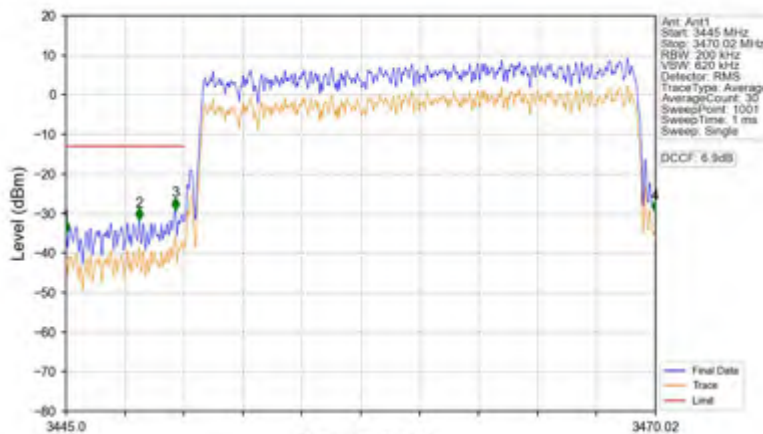
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left

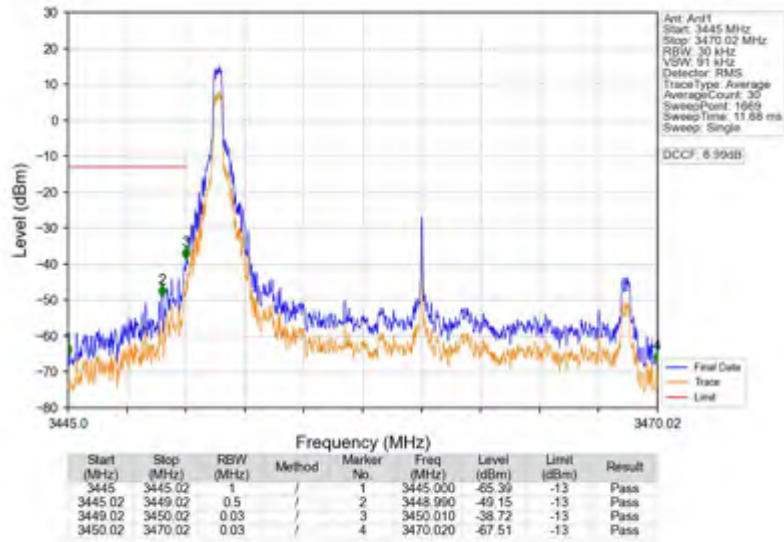


n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3460.02MHz Outer_Full

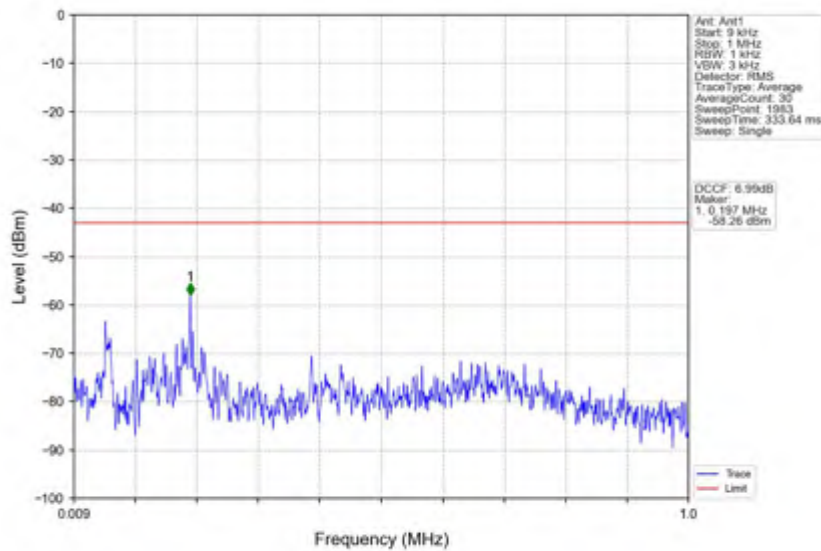


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	/	1	3445.000	-34.84	-13	Pass
3445.02	3449.02	0.5	/	2	3448.102	-31.72	-13	Pass
3449.02	3450.02	0.2	/	3	3449.629	-29.13	-13	Pass
3450.02	3470.02	0.2	/	4	3470.020	-29.75	-13	Pass

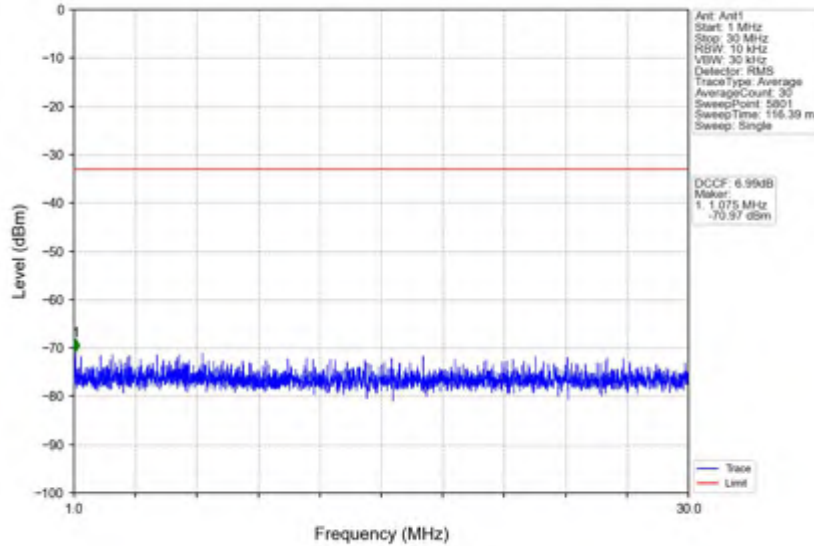
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Inner_1RB_Left



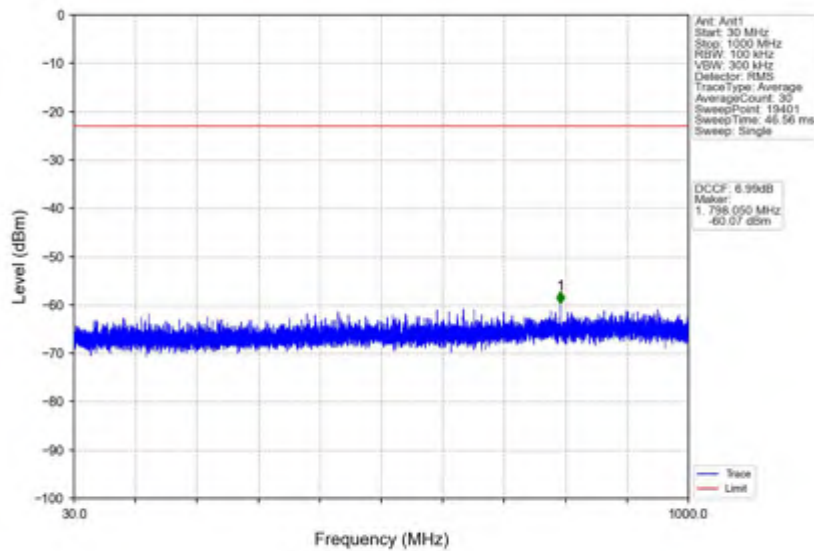
n78(3450-3550MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



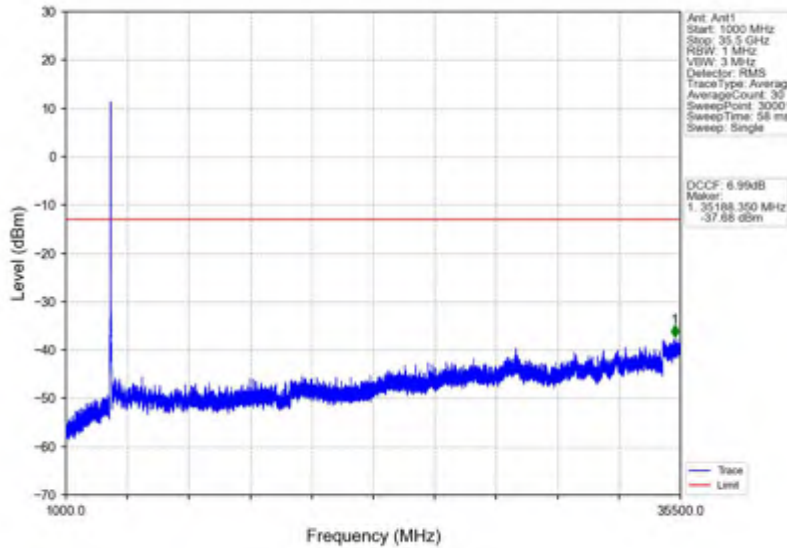
n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



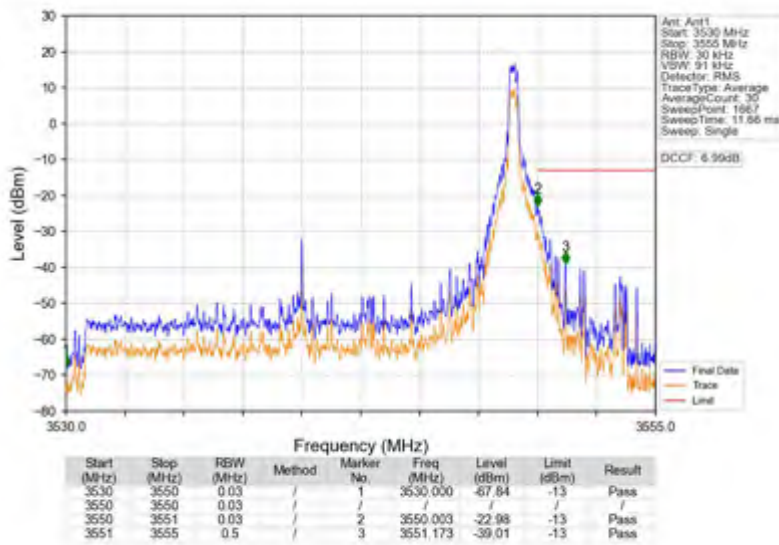
n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



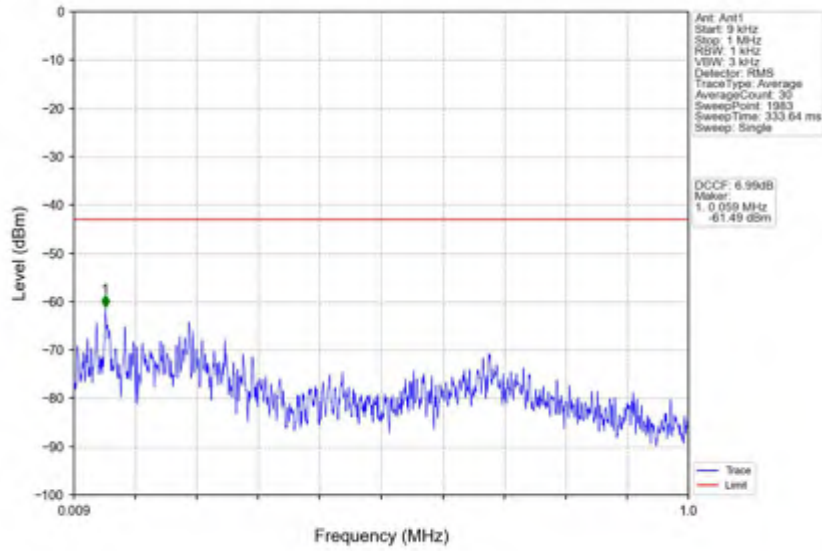
n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



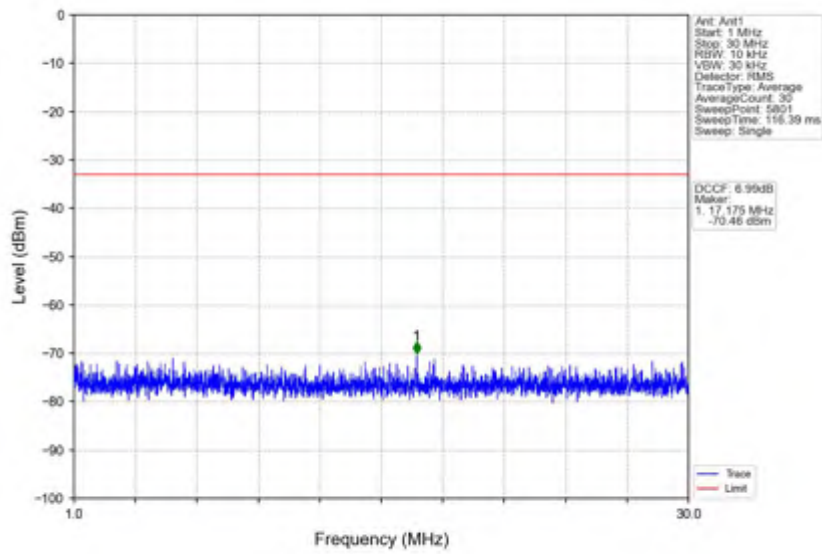
n78(3450-3550MHz) 30kHz SISO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right



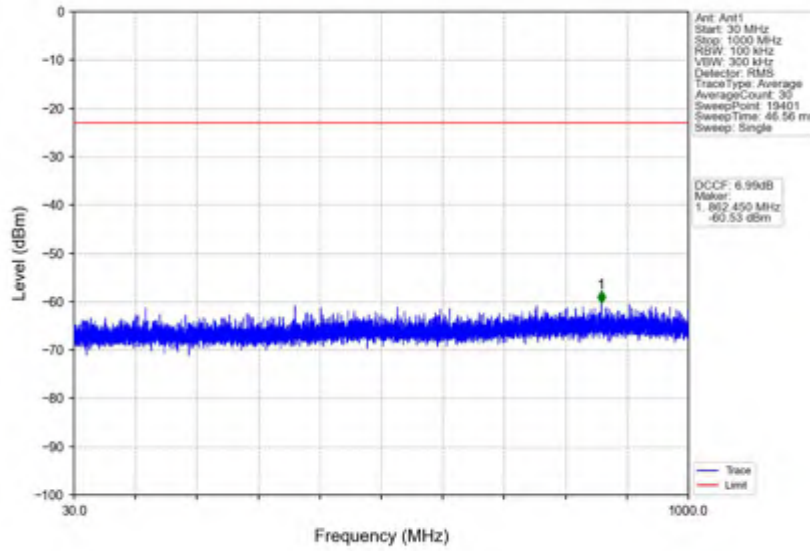
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_CP-OFDM QPSK 3540MHz Edge_1RB Right



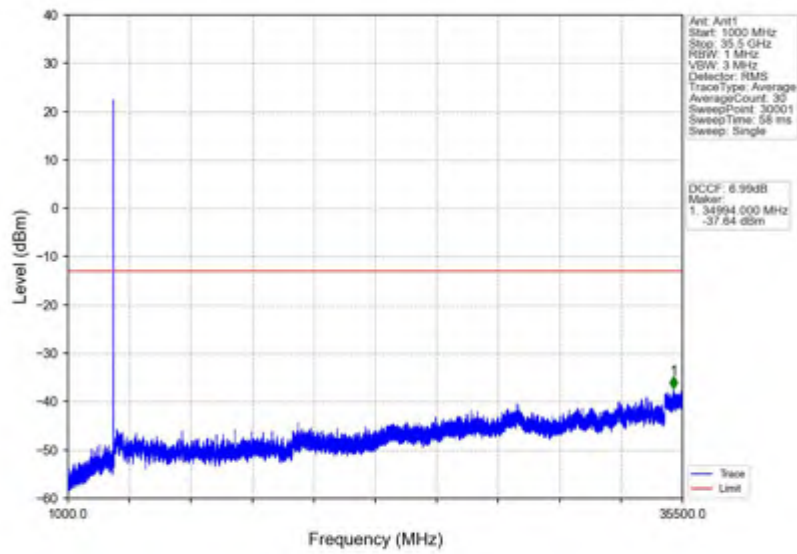
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_CP-OFDM QPSK 3540MHz Edge_1RB Right



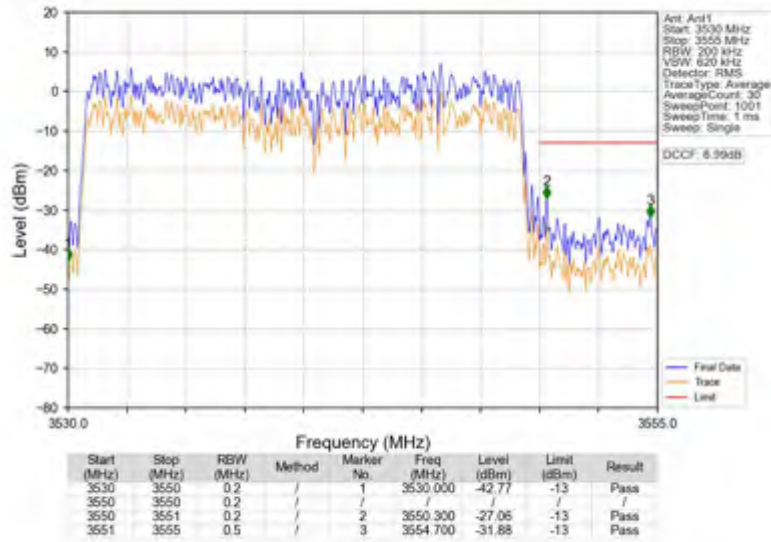
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_CP-OFDM QPSK 3540MHz Edge_1RB Right



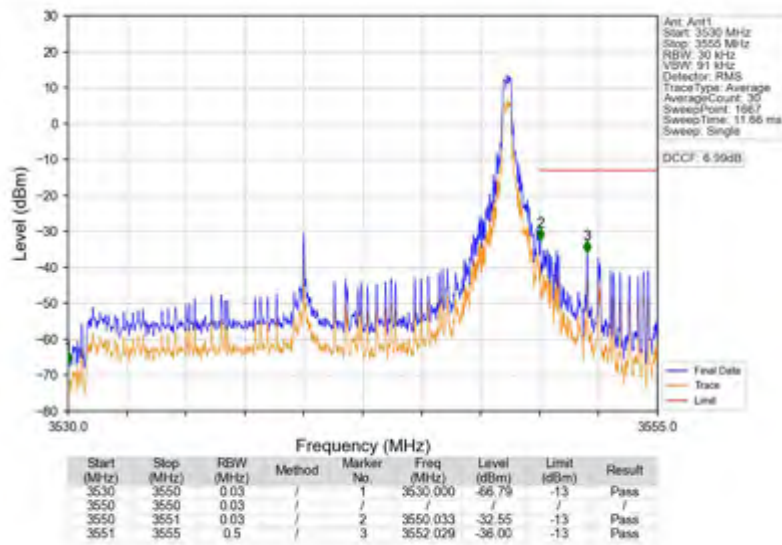
n78(3450-3550MHz) 30kHz SISO_NTNV_20MHz_CP-OFDM QPSK 3540MHz Edge_1RB Right



n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Outer_Full



n78(3450-3550MHz) 30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Inner_1RB_Right



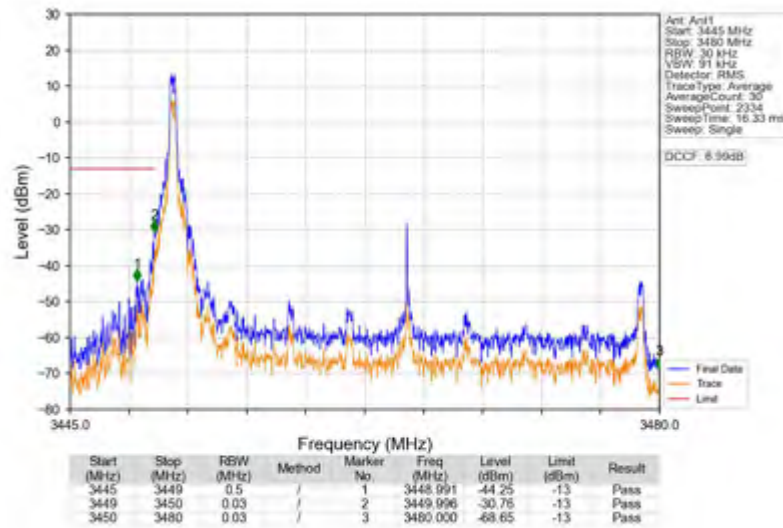
5.2 30k_SISO_30MHz_NTNV

5.2.1 Test Result

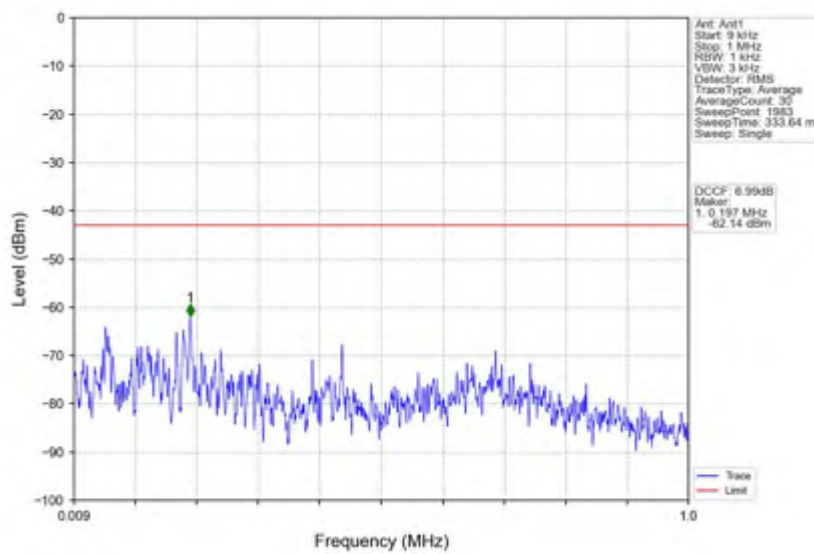
5G NR n78(3450-3550MHz) SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict	
			Ant1	Ant2	Sum		Limit
DFT-s-OFDM PI/2 BPSK	3465	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph			Pass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

5.2.2 Test Graph

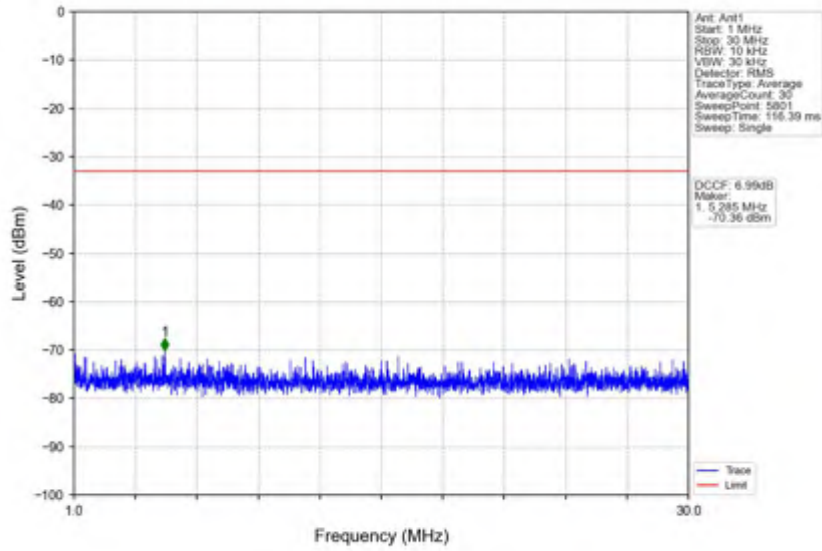
n78(3450-3550MHz) 30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Edge_1RB_Left



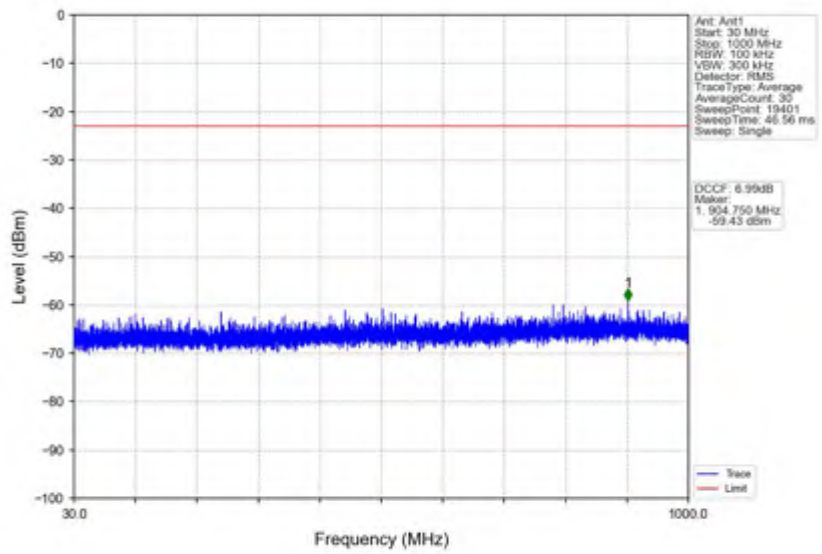
n78(3450-3550MHz) 30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Edge_1RB_Left



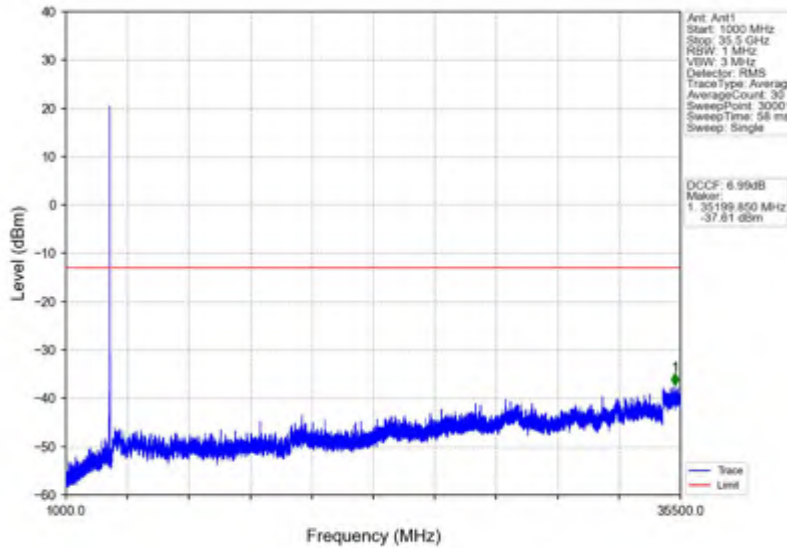
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Edge_1RB_Left



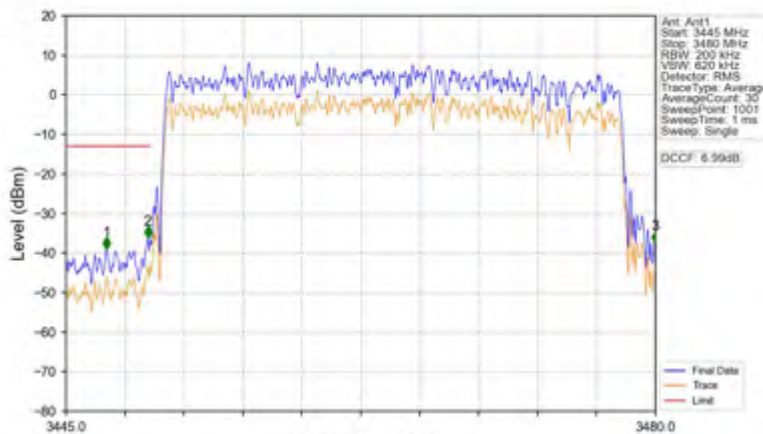
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Edge_1RB_Left



n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 3465MHz Edge 1RB Left

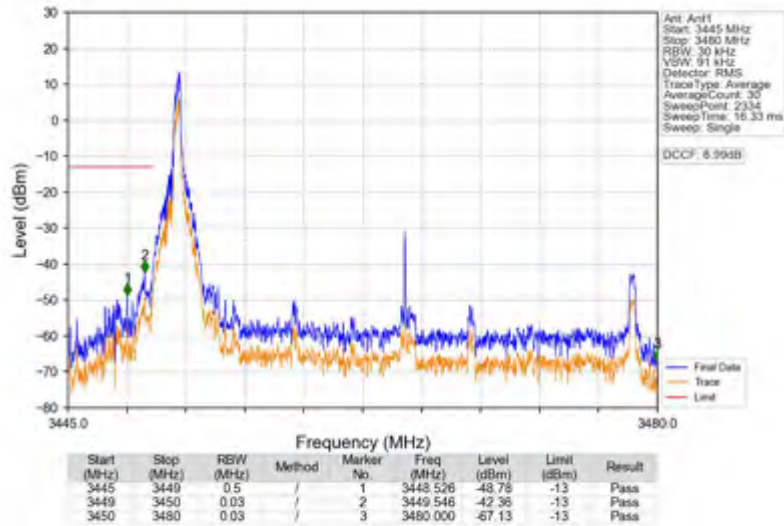


n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 3465MHz Outer Full

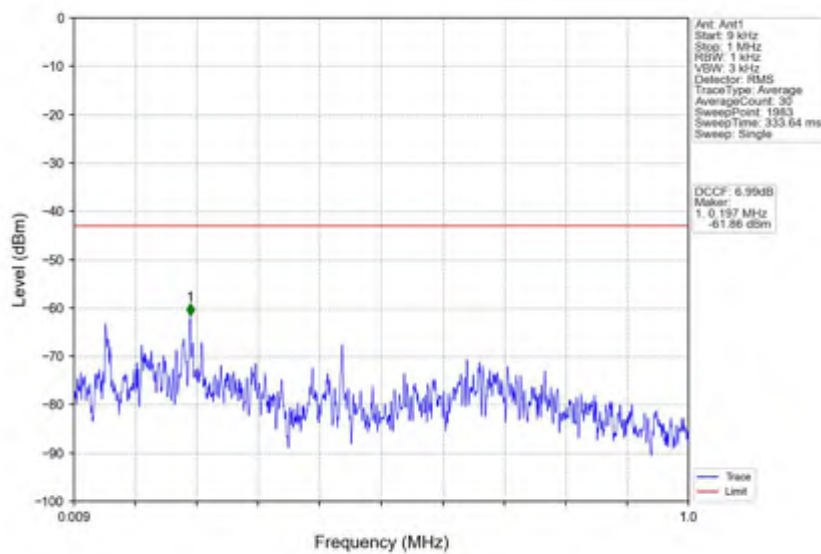


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3447.415	-39.10	-13	Pass
3449	3450	0.2	/	2	3449.865	-36.33	-13	Pass
3450	3480	0.2	/	3	3480.000	-37.59	-13	Pass

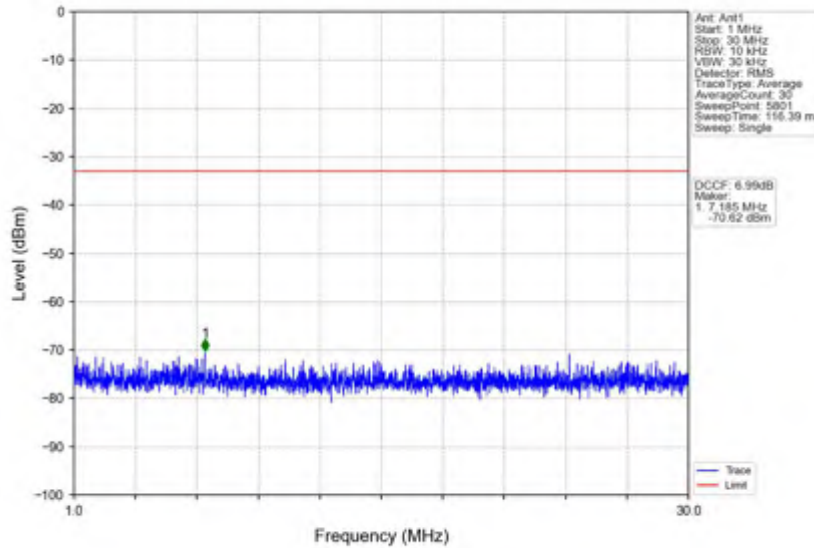
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Inner_1RB_Left



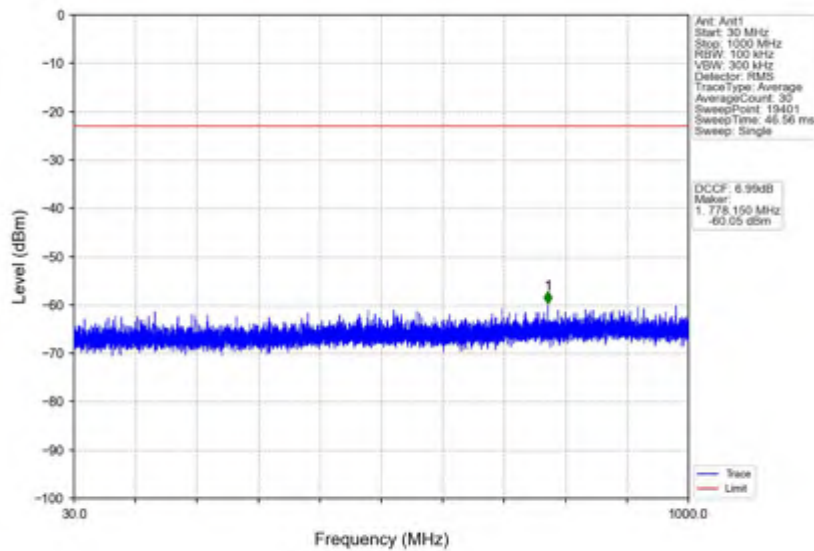
n78(3450-3550MHz) 30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



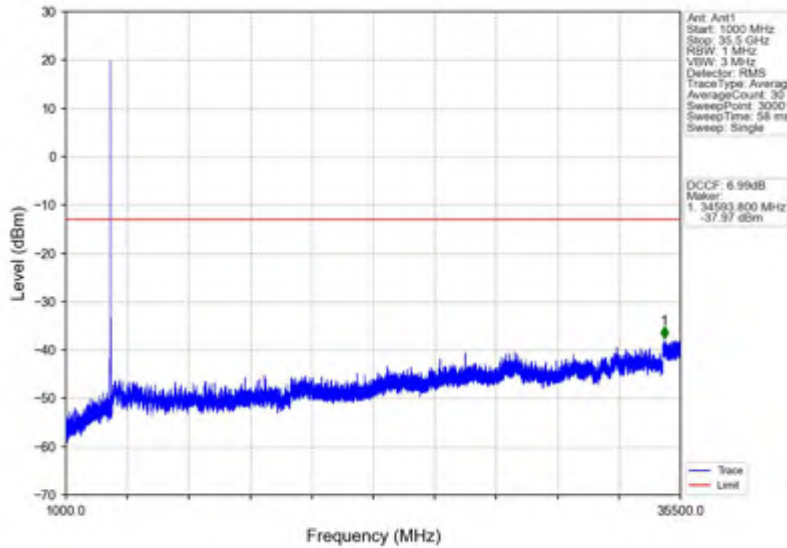
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



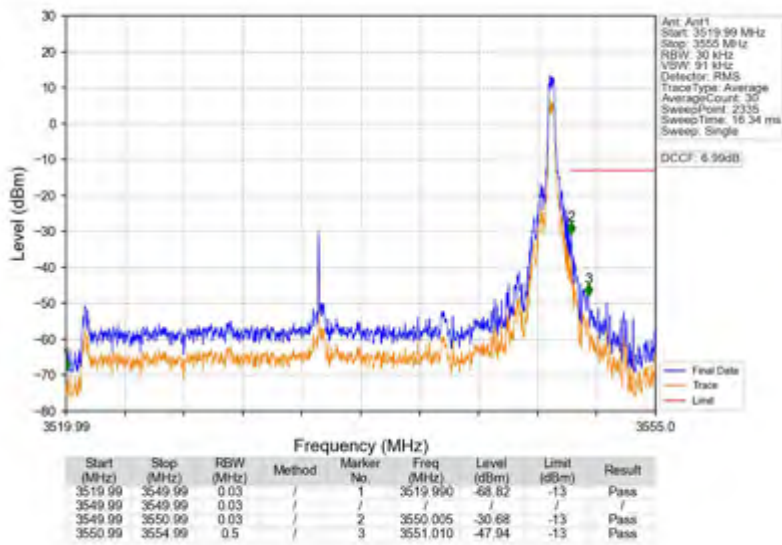
n78(3450-3550MHz) 30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



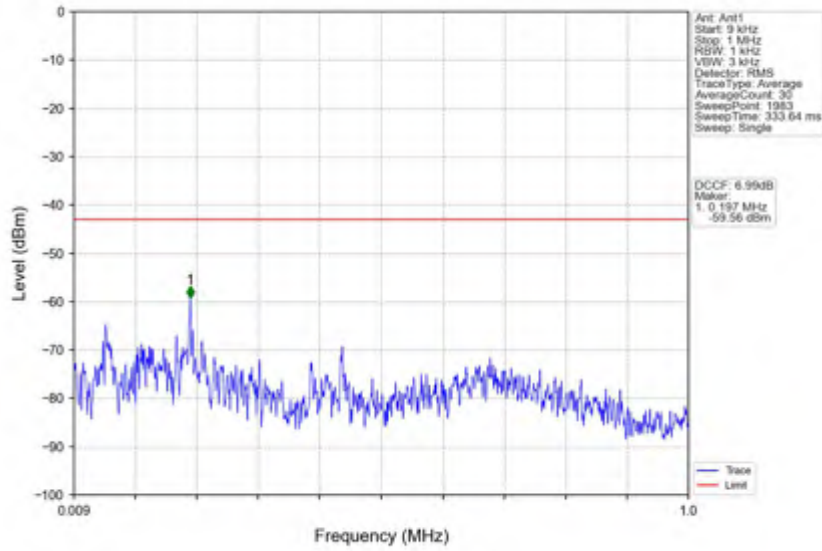
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left



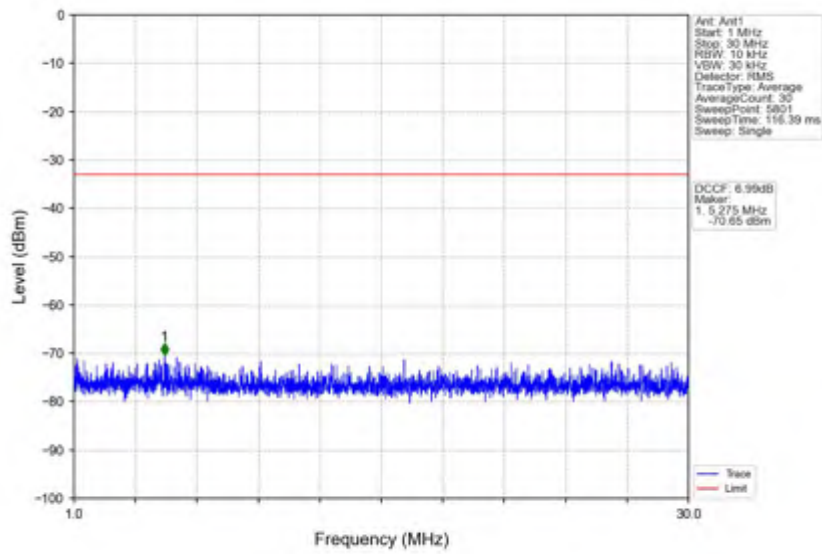
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Edge_1RB_Right



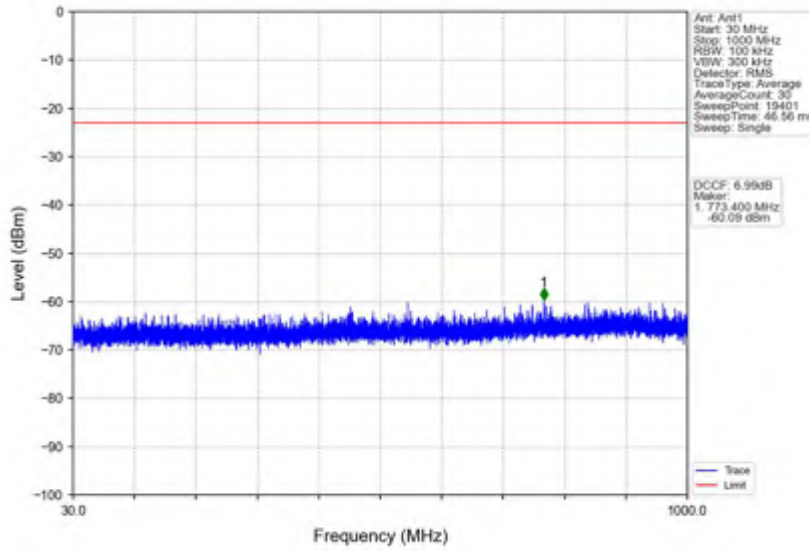
n78(3450-3550MHz) 30kHz SISO NTVN 30MHz DFT-s-OFDM PI/2 BPSK 3534.99MHz_Edge 1RB Right



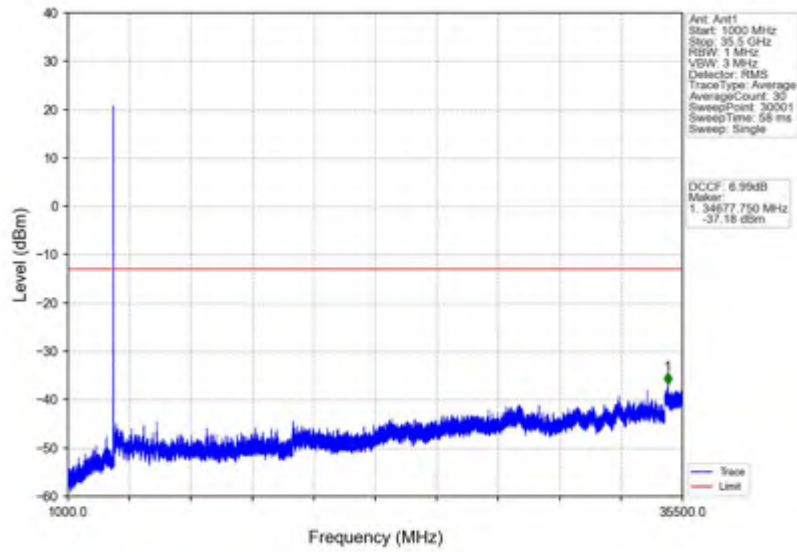
n78(3450-3550MHz) 30kHz SISO NTVN 30MHz DFT-s-OFDM PI/2 BPSK 3534.99MHz_Edge 1RB Right



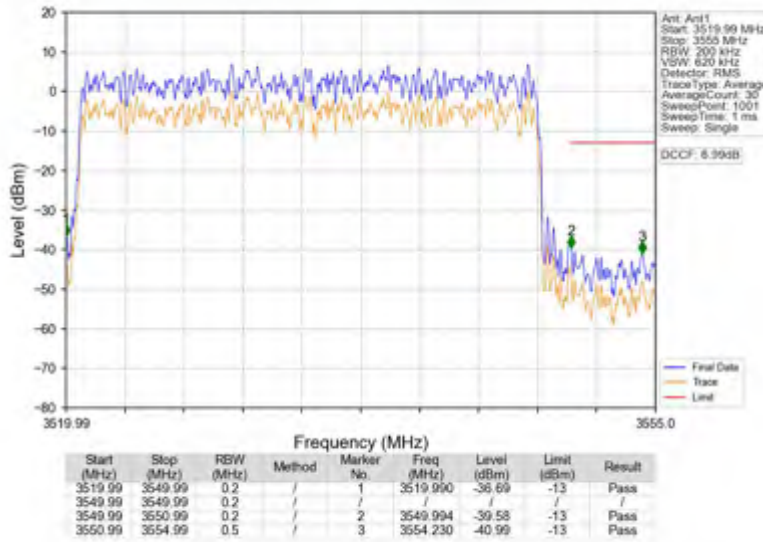
n78(3450-3550MHz) 30kHz SISO NTVN 30MHz DFT-s-OFDM PI/2 BPSK 3534.99MHz_Edge 1RB_Right



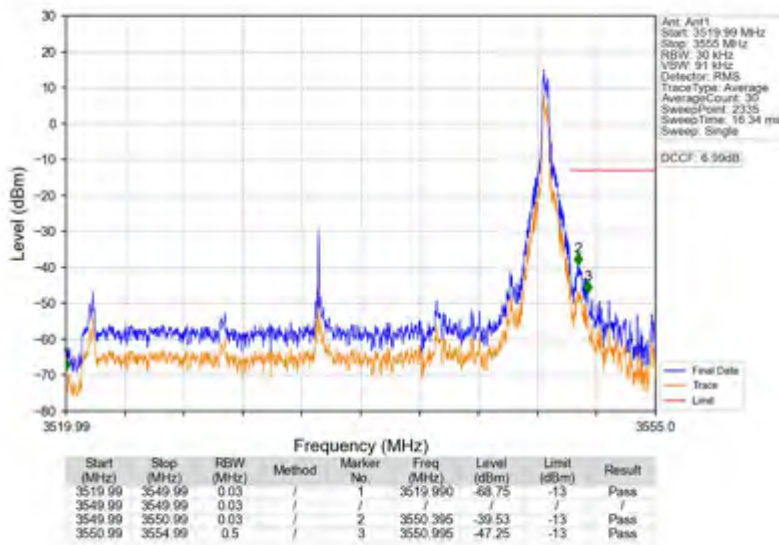
n78(3450-3550MHz) 30kHz SISO NTVN 30MHz DFT-s-OFDM PI/2 BPSK 3534.99MHz_Edge 1RB_Right



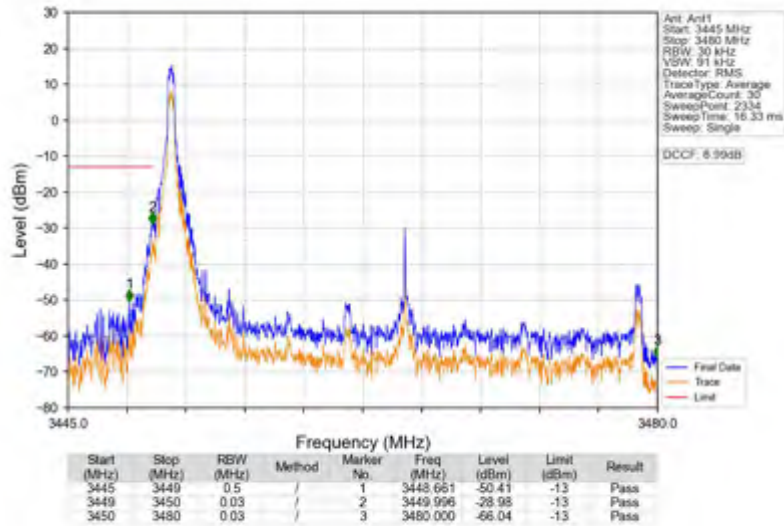
n78(3450-3550MHz) 30kHz SISO NTV 30MHz DFT-s-OFDM PI/2 BPSK 3534.99MHz Outer Full



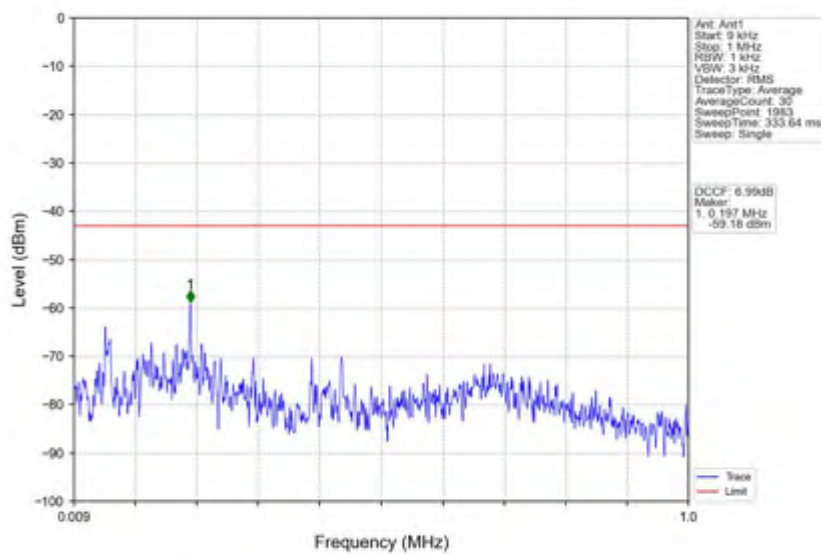
n78(3450-3550MHz) 30kHz SISO NTV 30MHz DFT-s-OFDM PI/2 BPSK 3534.99MHz Inner_1RB_Right



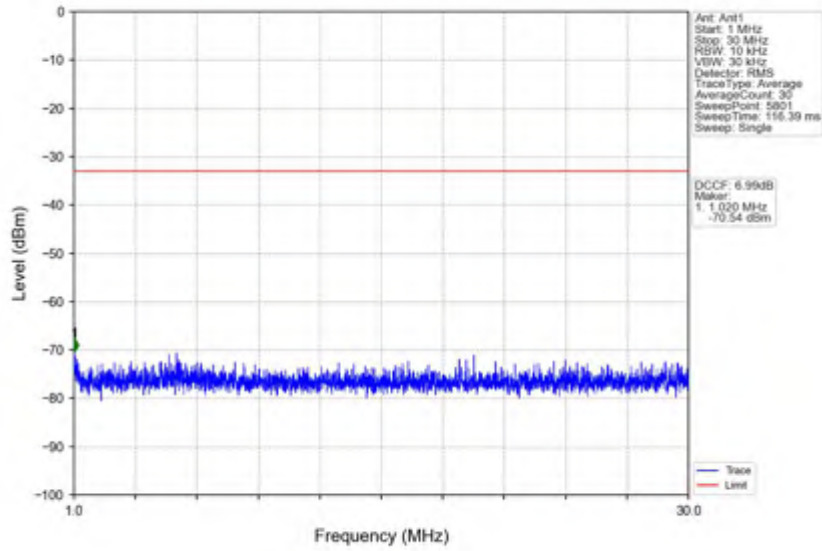
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



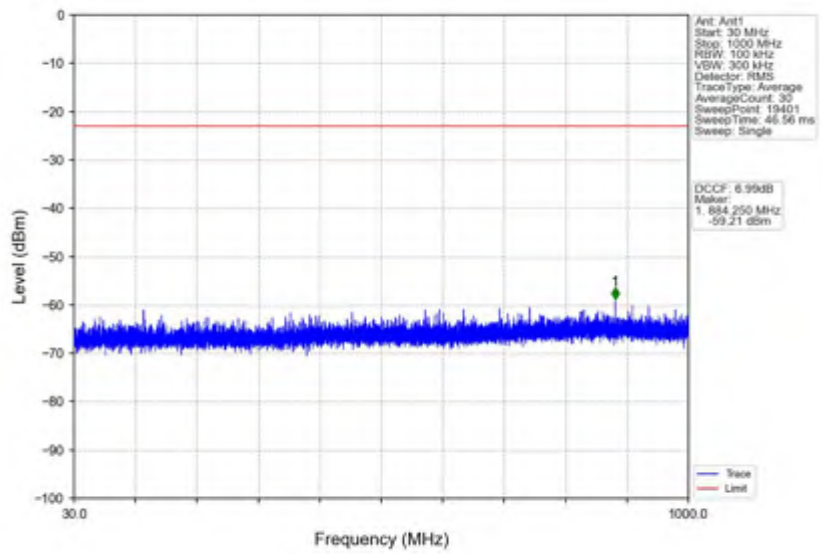
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



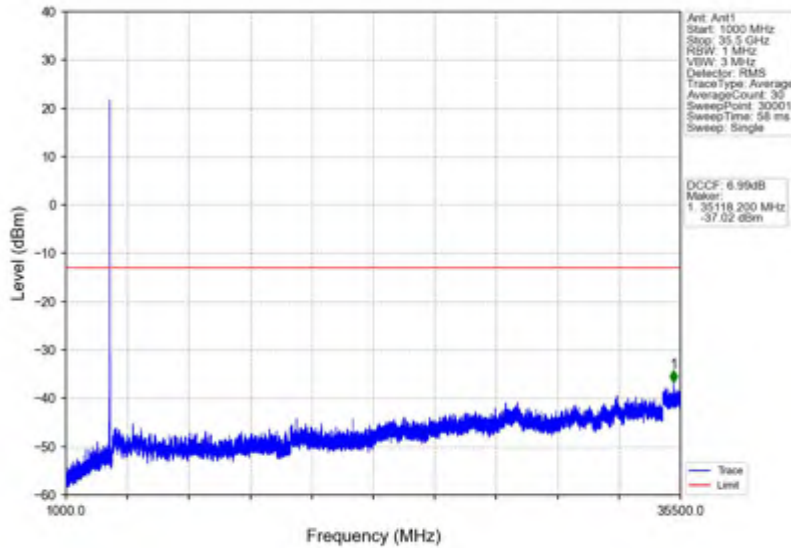
n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3465MHz Edge 1RB Left



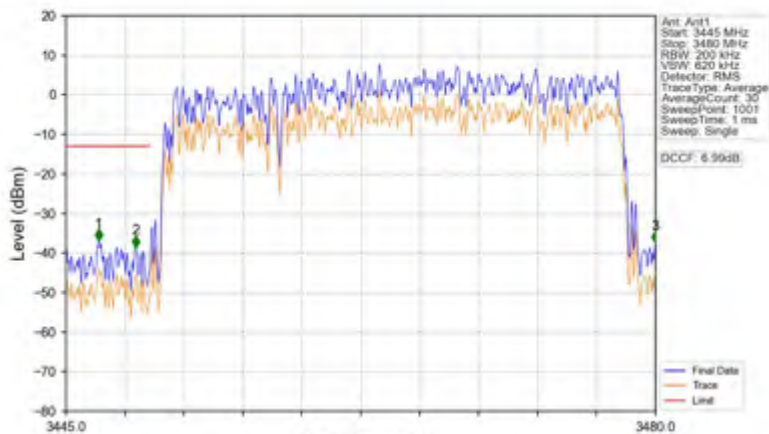
n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3465MHz Edge 1RB Left



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

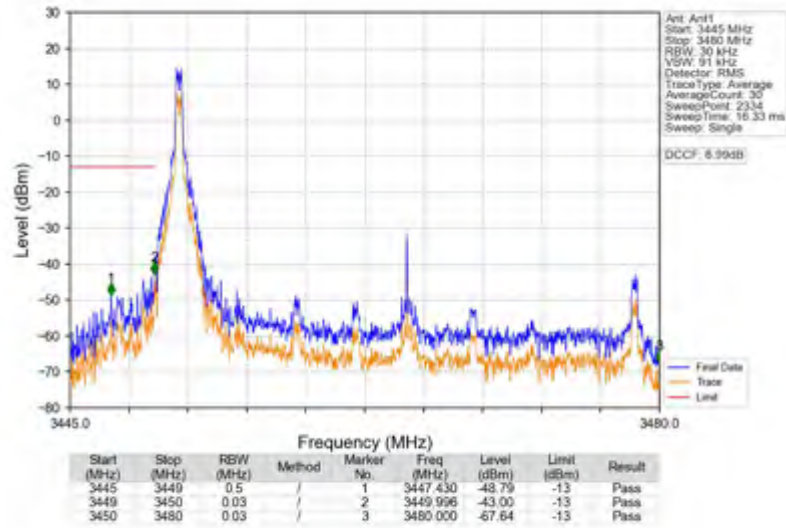


n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Outer_Full

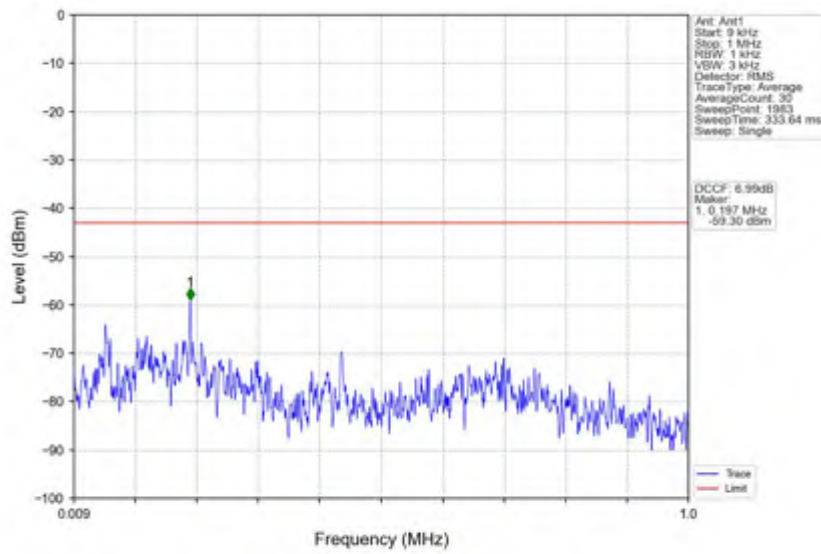


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3446.925	-37.02	-13	Pass
3449	3450	0.2	/	2	3449.130	-38.67	-13	Pass
3450	3480	0.2	/	3	3480.000	-37.52	-13	Pass

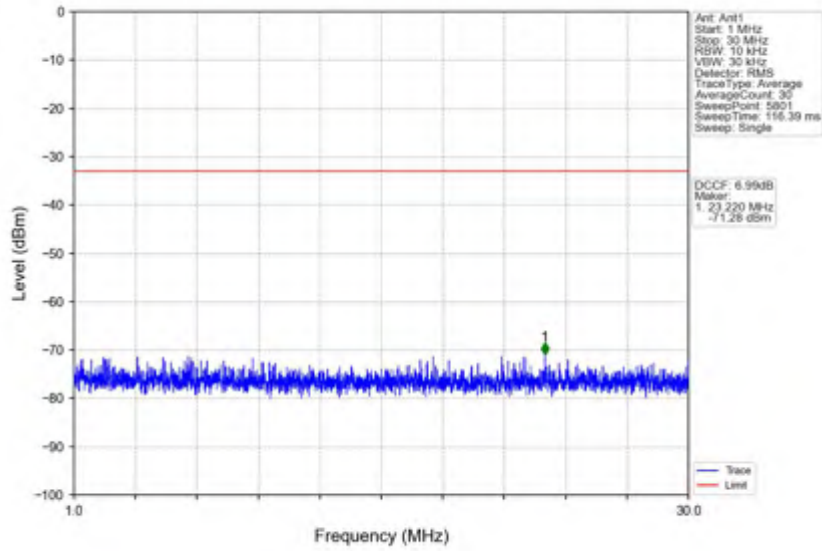
n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3465MHz Inner 1RB Left



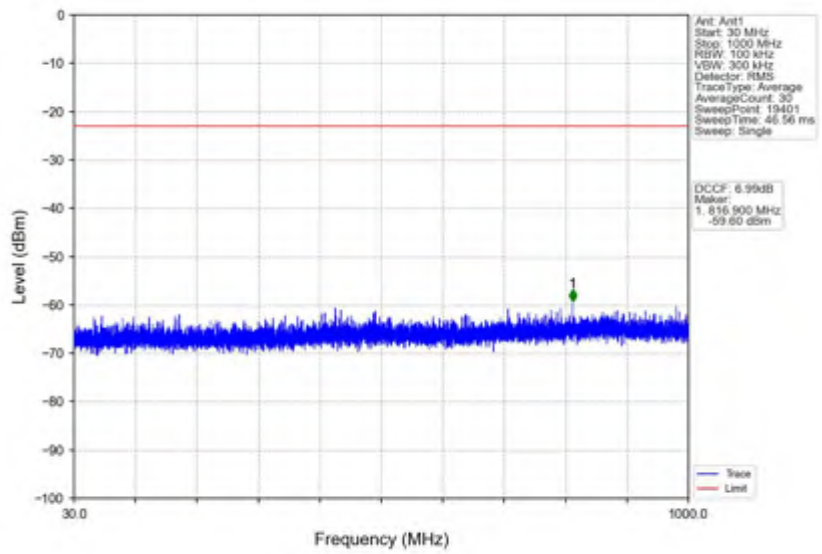
n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3500.01MHz_Edge_1RB_Left



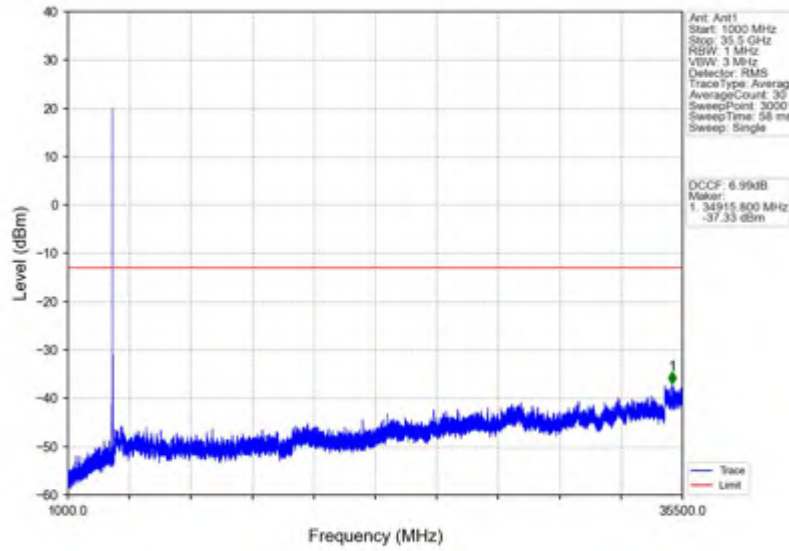
n78(3450-3550MHz) 30kHz SISO NTVN 30MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left



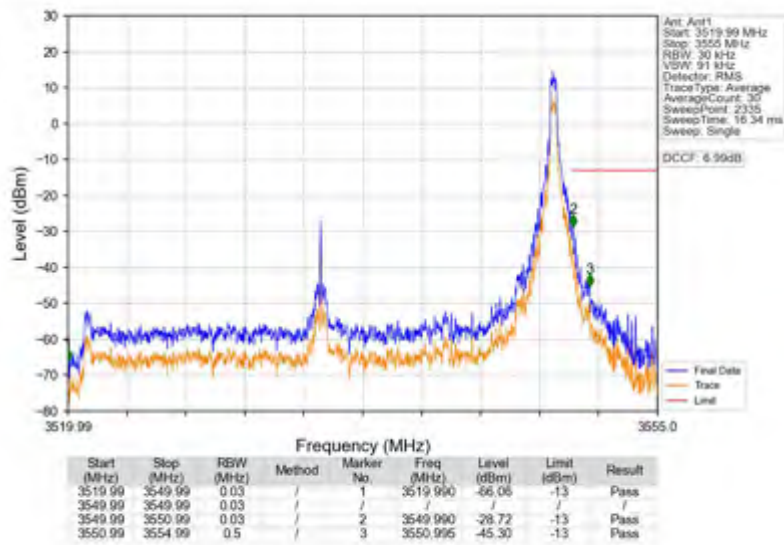
n78(3450-3550MHz) 30kHz SISO NTVN 30MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left



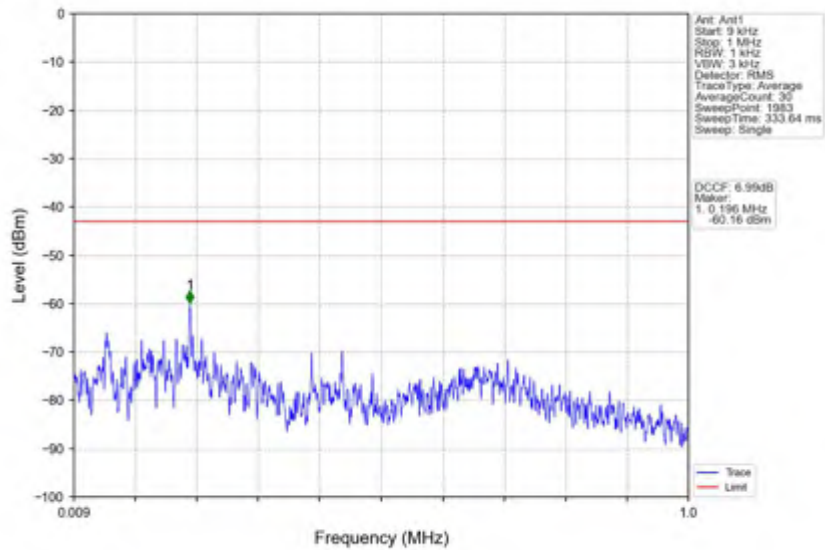
n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left



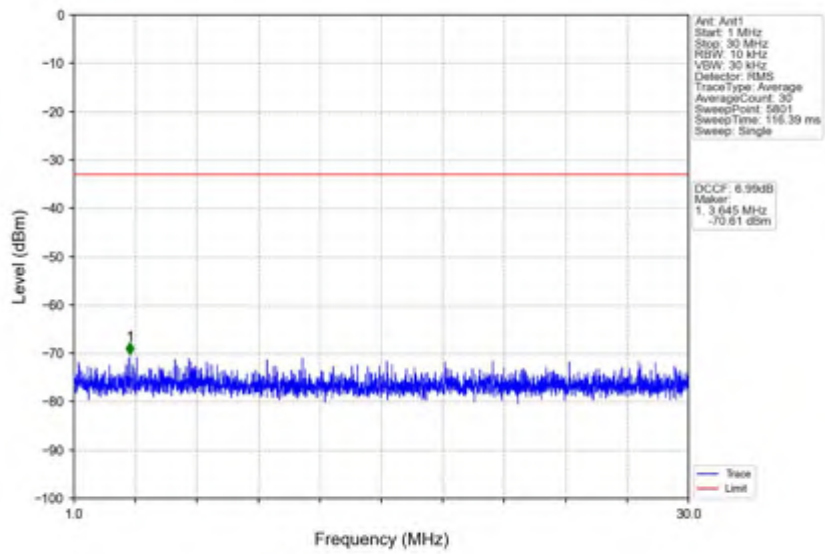
n78(3450-3550MHz) 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3534.99MHz Edge 1RB Right



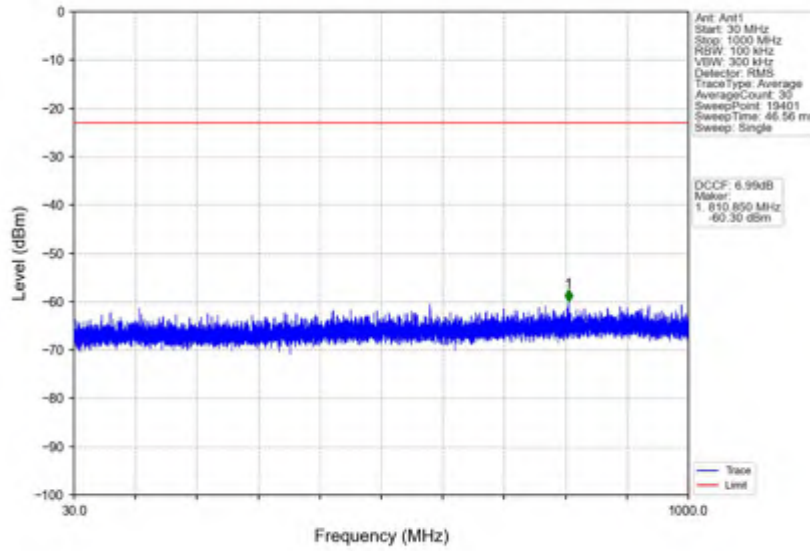
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Edge_1RB_Right



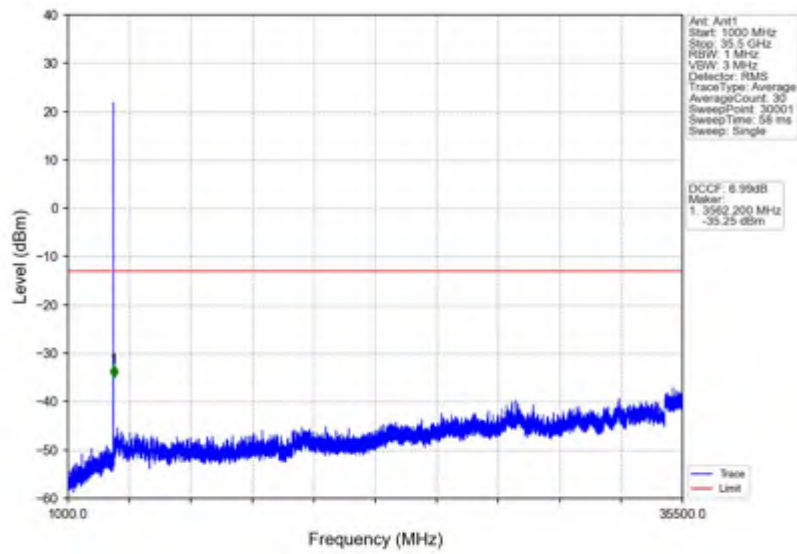
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Edge_1RB_Right



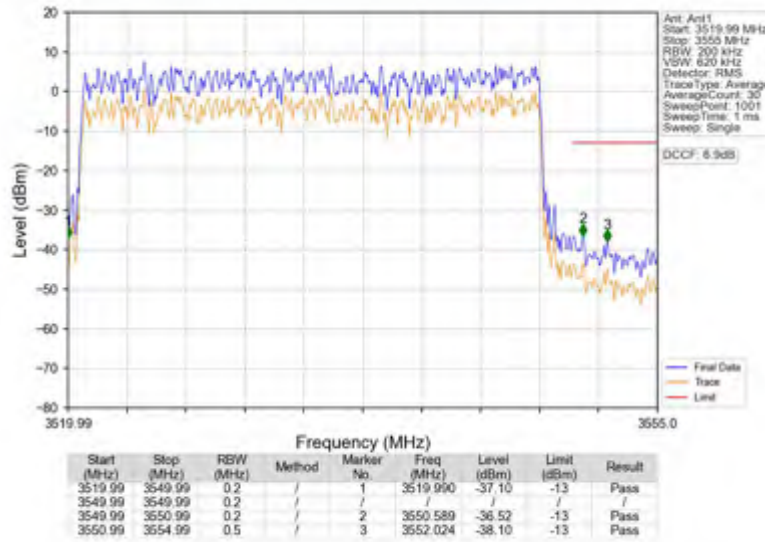
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Edge_1RB_Right



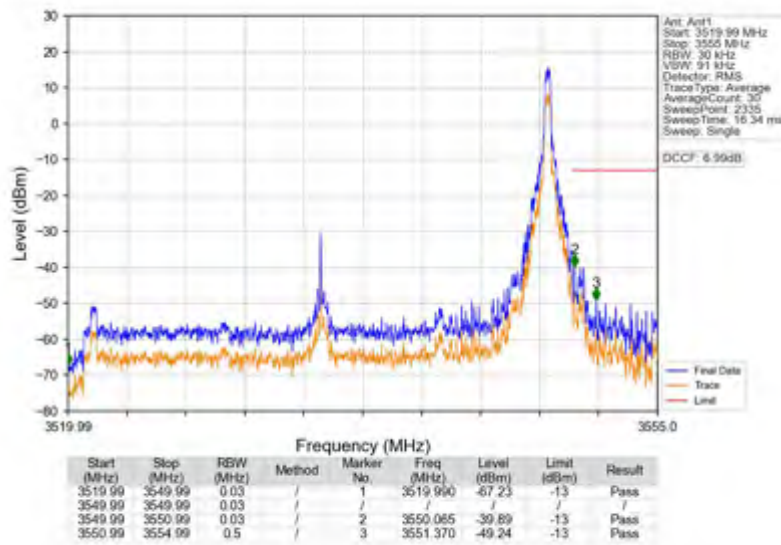
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Edge_1RB_Right



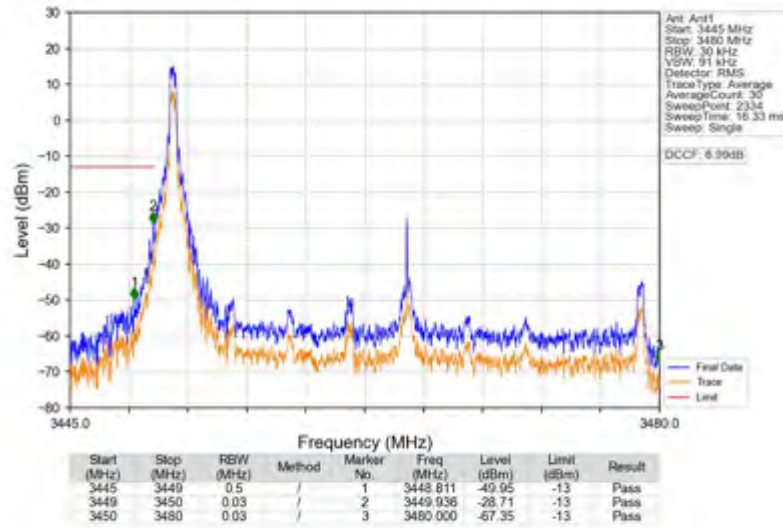
n78(3450-3550MHz) 30kHz SISO NTV 30MHz DFT-s-OFDM QPSK 3534.99MHz Outer Full



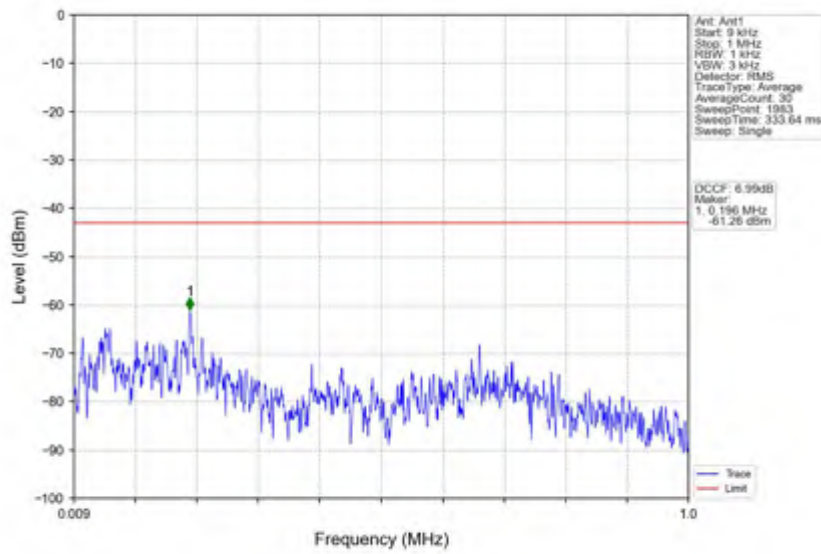
n78(3450-3550MHz) 30kHz SISO NTV 30MHz DFT-s-OFDM QPSK 3534.99MHz Inner 1RB Right



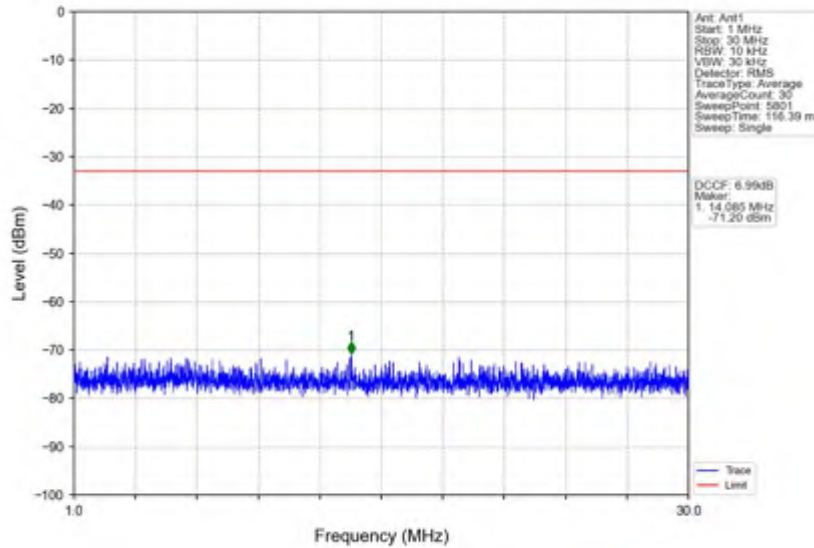
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



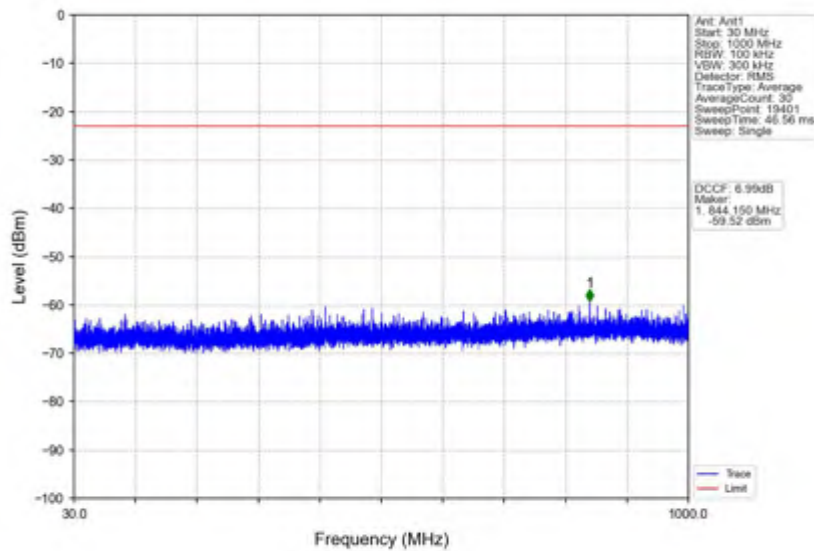
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



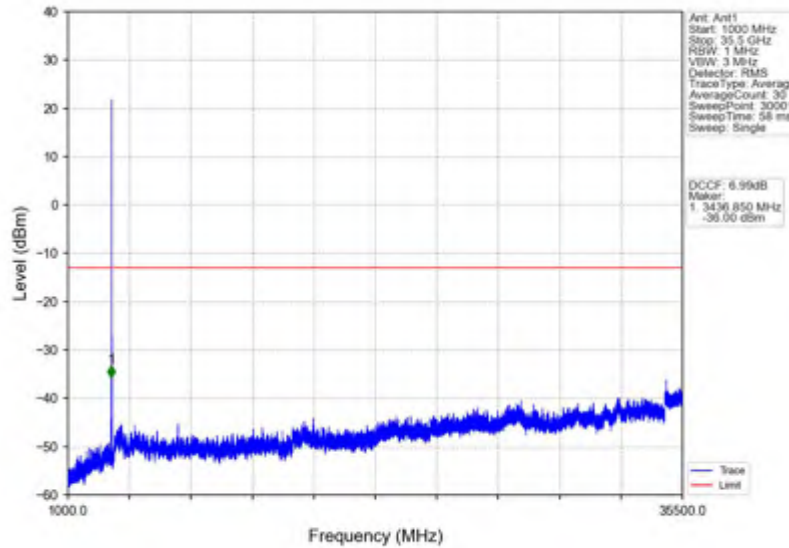
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



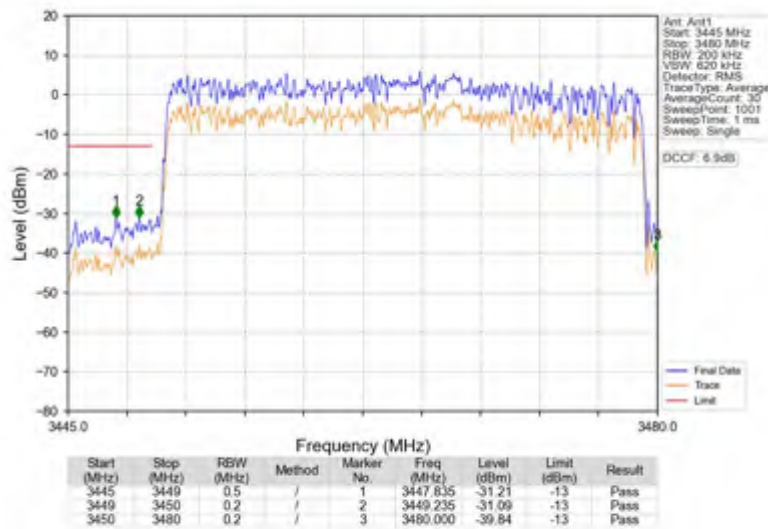
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



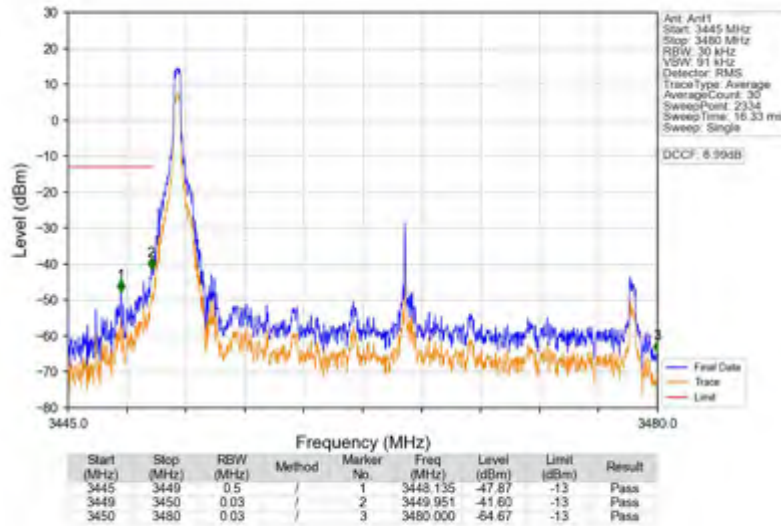
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



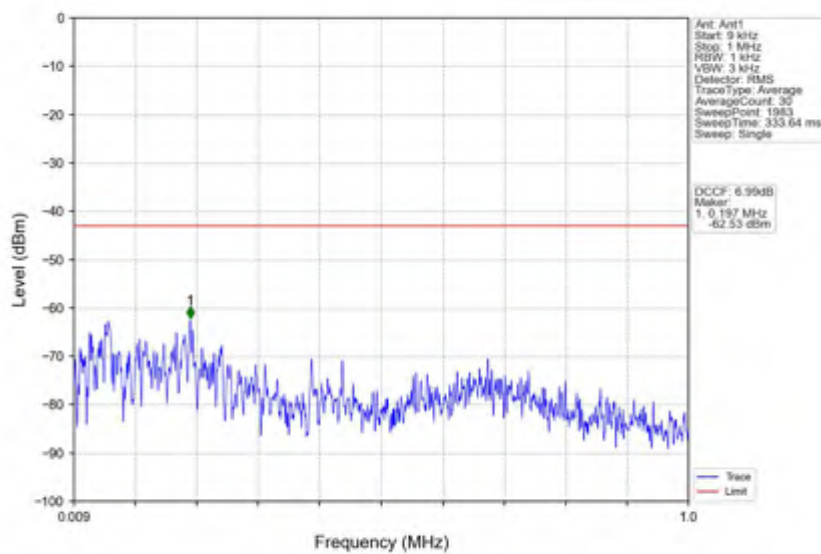
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Outer_Full



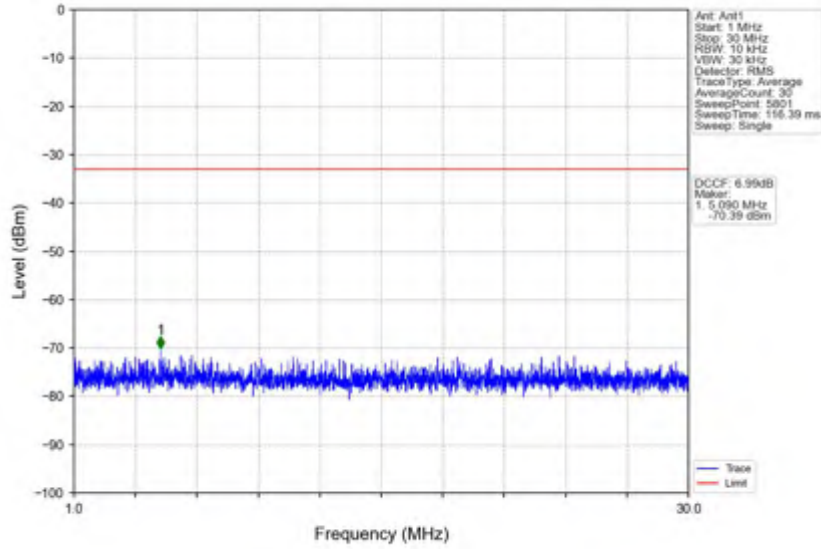
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Inner_1RB_Left



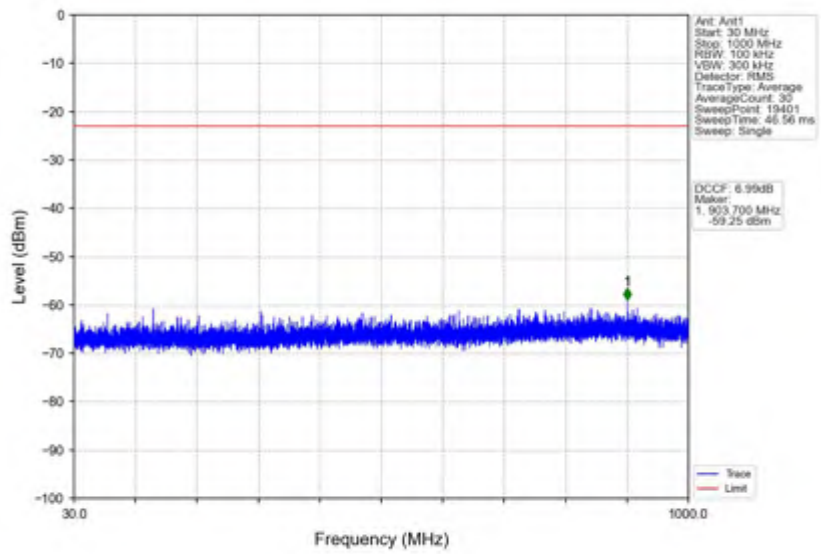
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



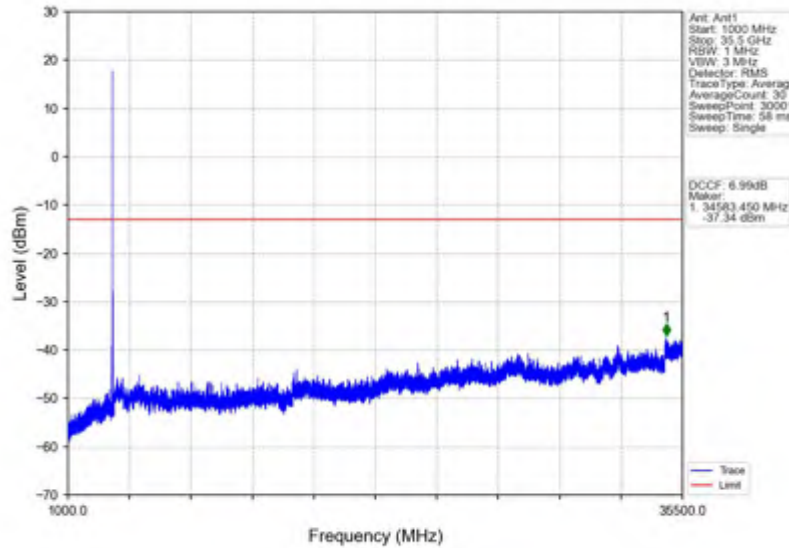
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



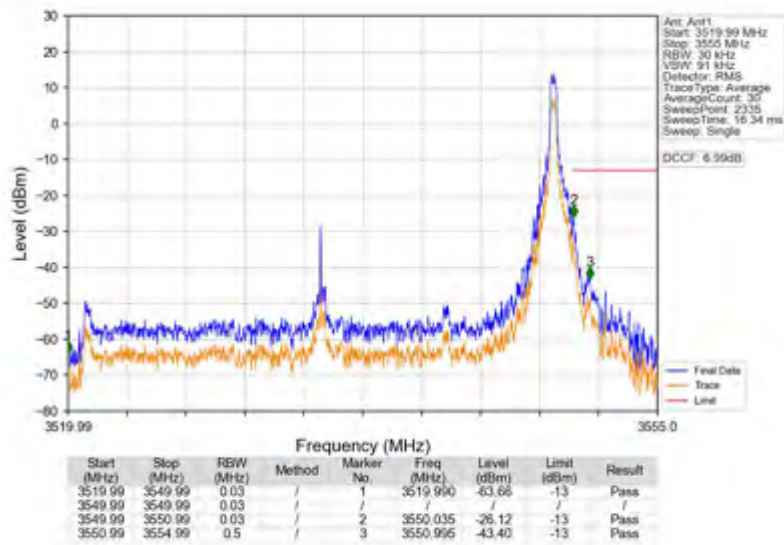
n78(3450-3550MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



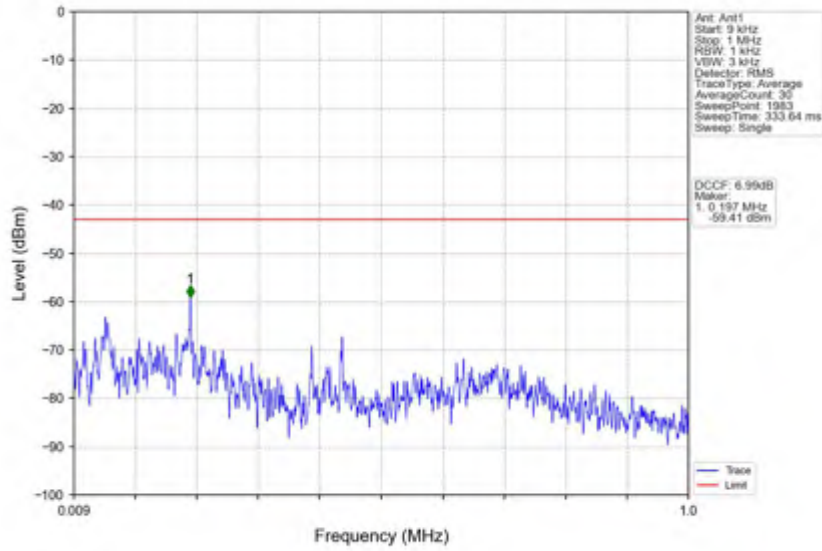
n78(3450-3550MHz) 30kHz SISO NTN 30MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



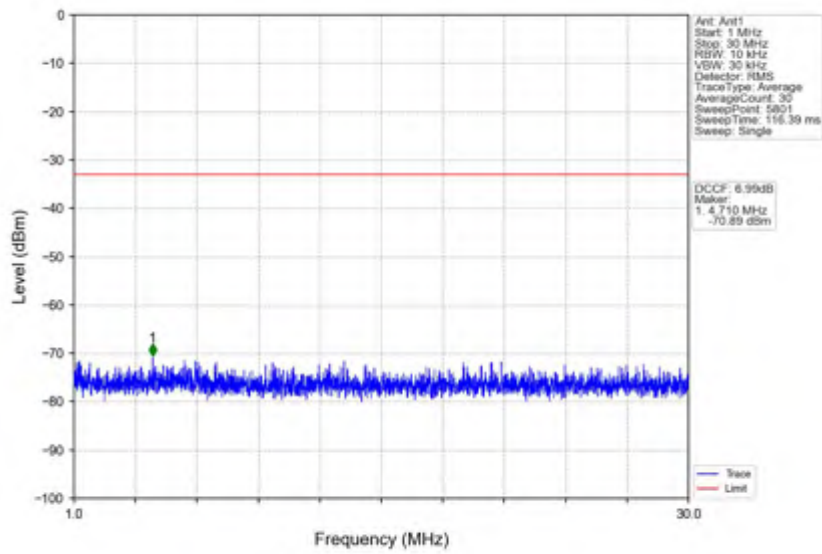
n78(3450-3550MHz) 30kHz SISO NTN 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



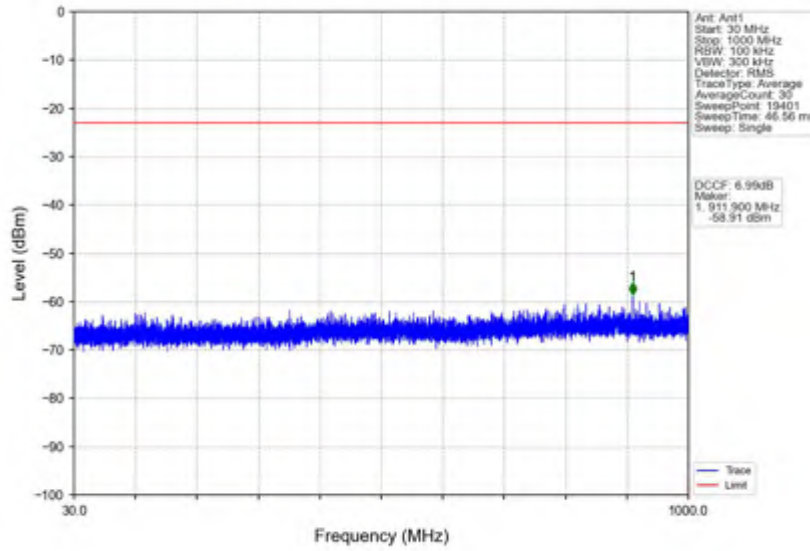
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Edge_1RB_Right



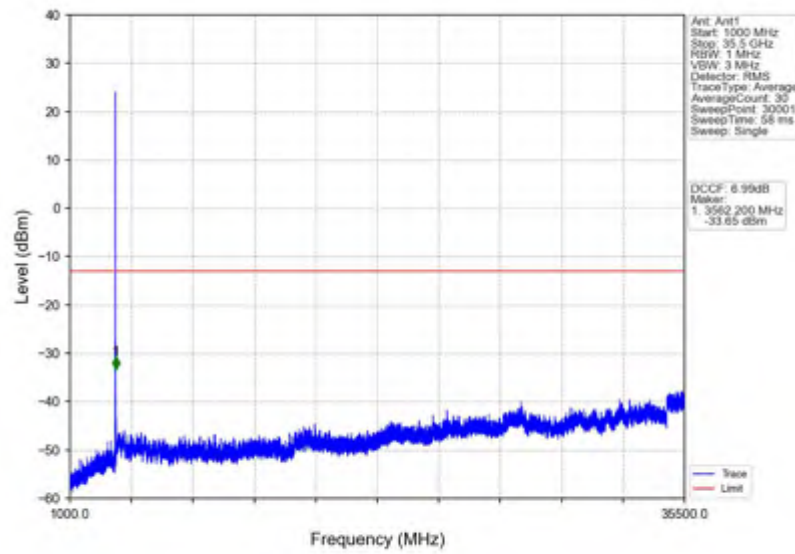
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Edge_1RB_Right



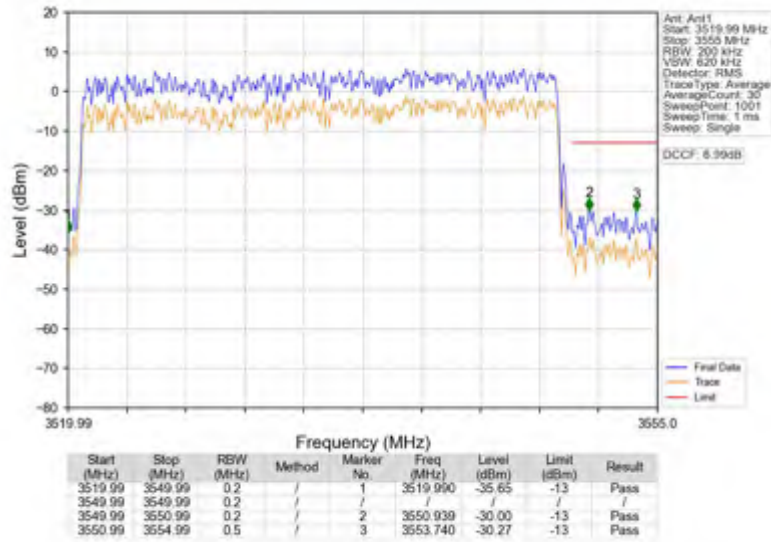
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Edge_1RB_Right



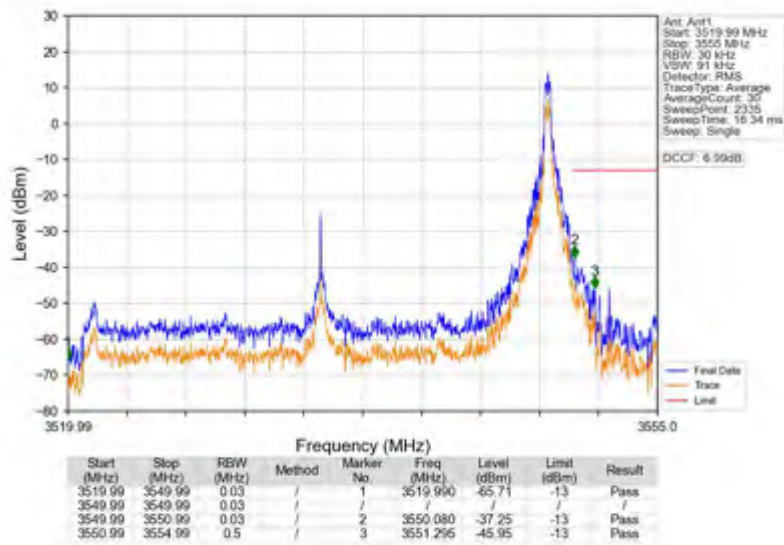
n78(3450-3550MHz) 30kHz SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Edge_1RB_Right



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





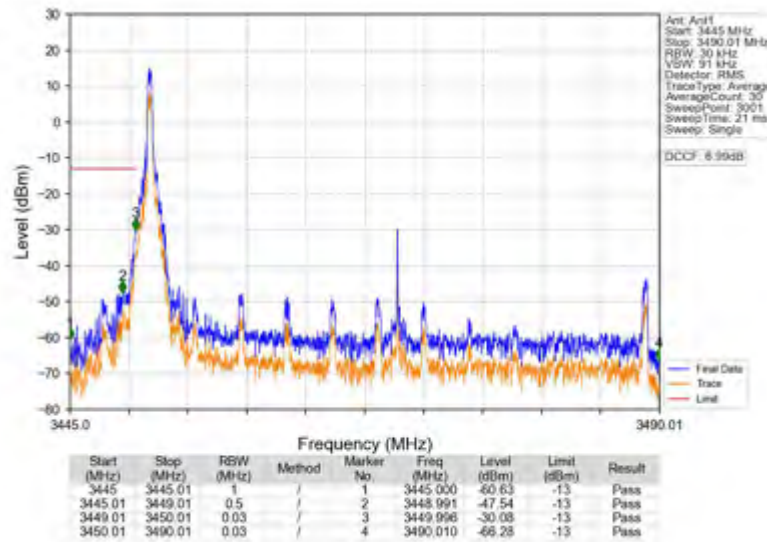
5.3 30k_SISO_40MHz_NTNV

5.3.1 Test Result

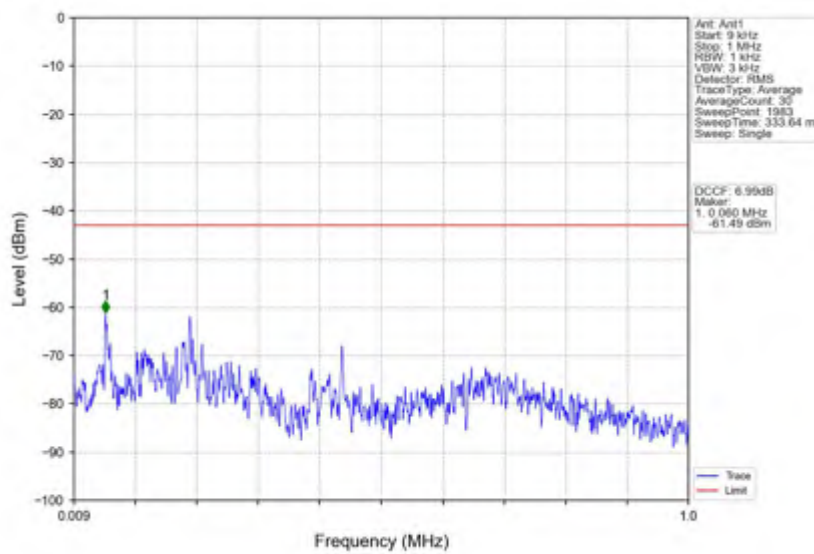
5G NR n78(3450-3550MHz) SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict	
			Ant1	Ant2	Sum		Limit
DFT-s-OFDM PI/2 BPSK	3470.01	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph			Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph			Pass	
		3529.98	Edge_1RB_Right	Refer To Test Graph			Pass
			Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	3470.01	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	
		3529.98	Edge_1RB_Right	Refer To Test Graph			Pass
			Outer_Full	Refer To Test Graph			Pass
CP-OFDM QPSK	3470.01	Inner_1RB_Right	Refer To Test Graph			Pass	
		Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
	3500.01	Inner_1RB_Left	Refer To Test Graph			Pass	
		3529.98	Edge_1RB_Left	Refer To Test Graph			Pass
			Edge_1RB_Right	Refer To Test Graph			Pass
3529.98	Outer_Full	Refer To Test Graph			Pass		
	Inner_1RB_Right	Refer To Test Graph			Pass		

5.3.2 Test Graph

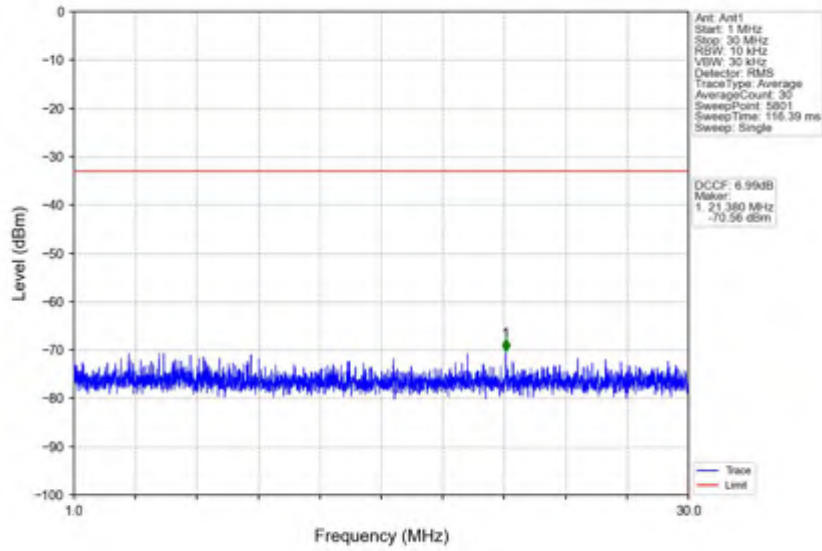
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



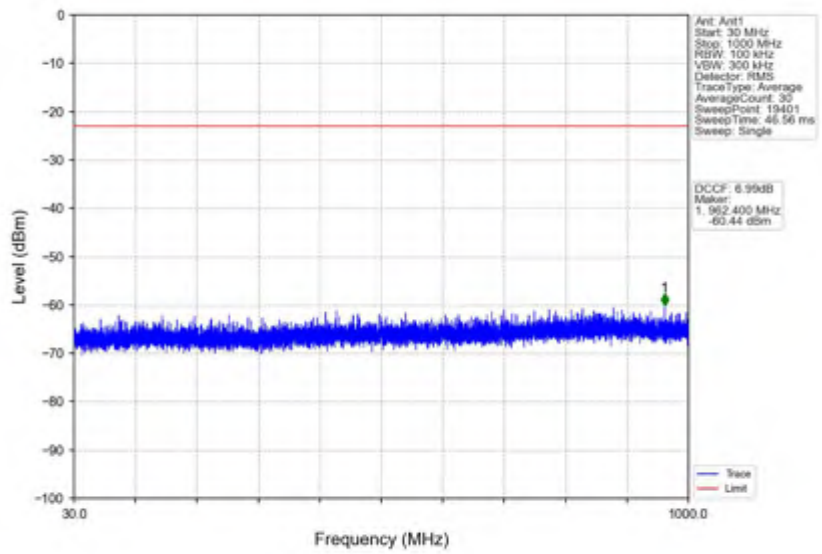
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



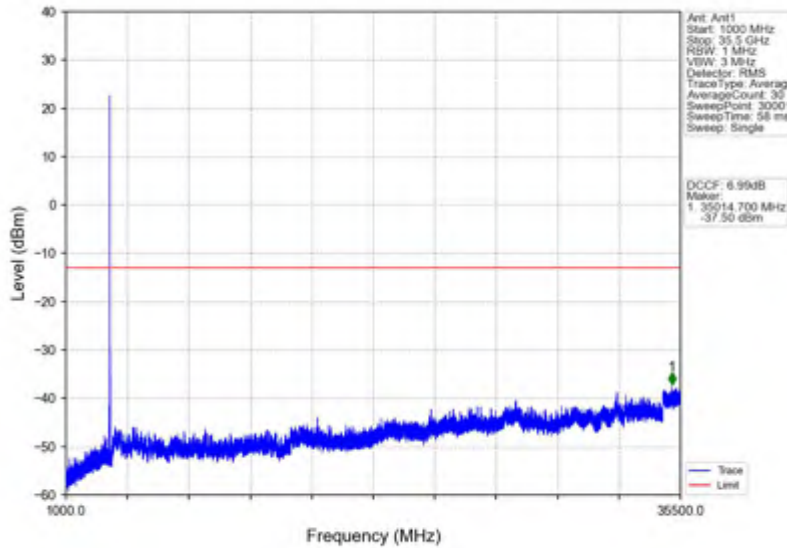
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



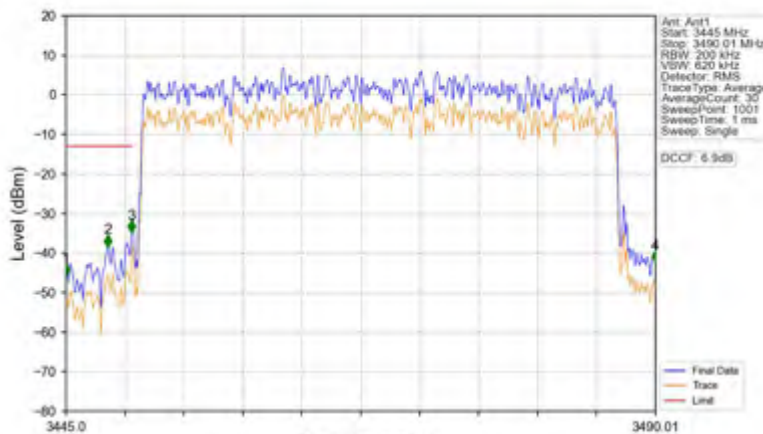
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz DFT-s-OFDM PI/2 BPSK_3470.01MHz Edge 1RB Left

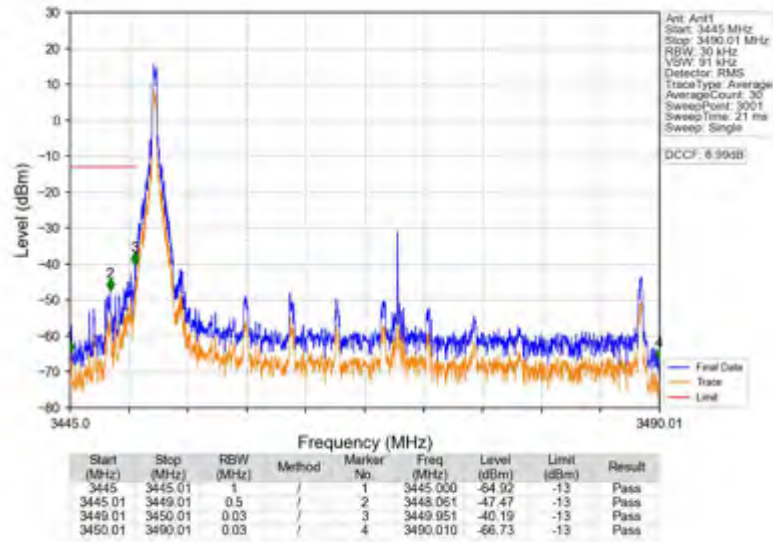


n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Outer_Full

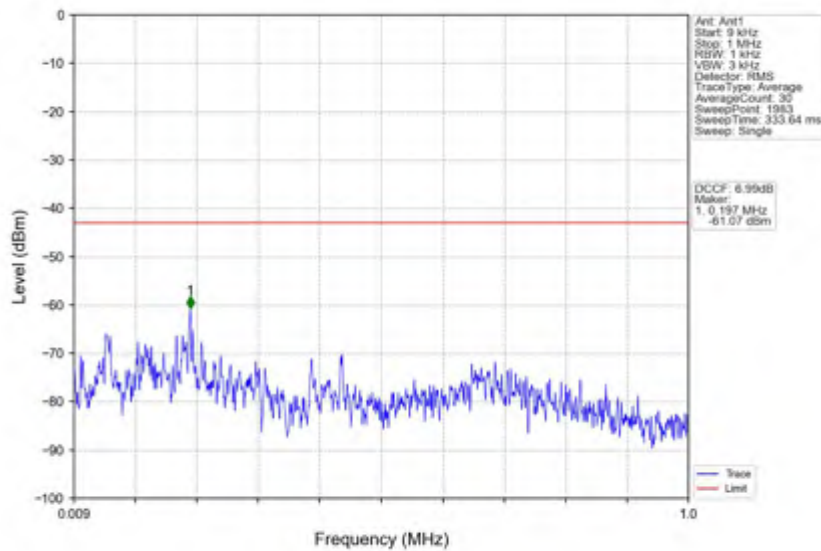


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	/	1	3445.000	-45.85	-13	Pass
3445.01	3449.01	0.5	/	2	3448.196	-38.47	-13	Pass
3449.01	3450.01	0.2	/	3	3449.996	-34.81	-13	Pass
3450.01	3490.01	0.2	/	4	3490.010	-42.47	-13	Pass

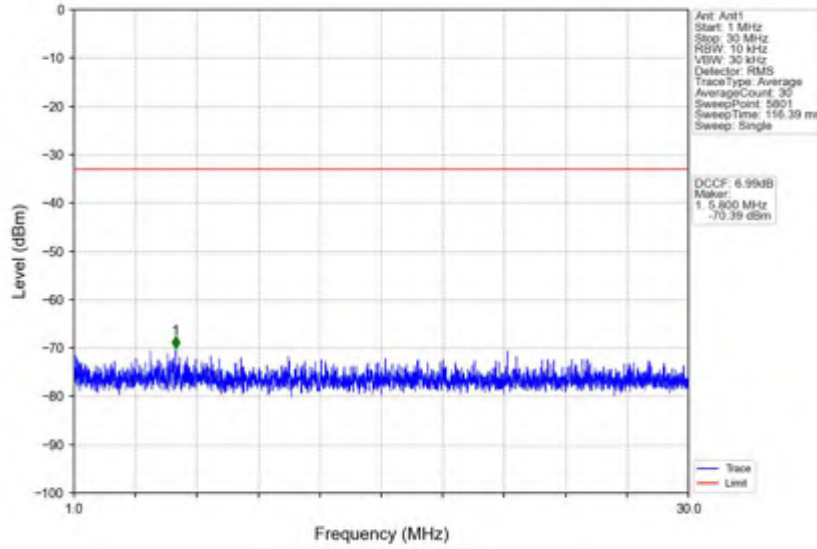
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Inner_1RB_Left



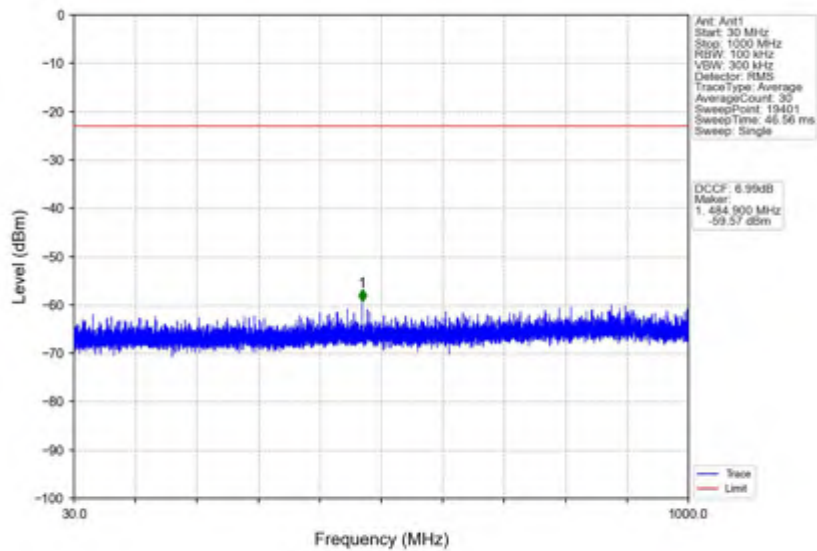
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



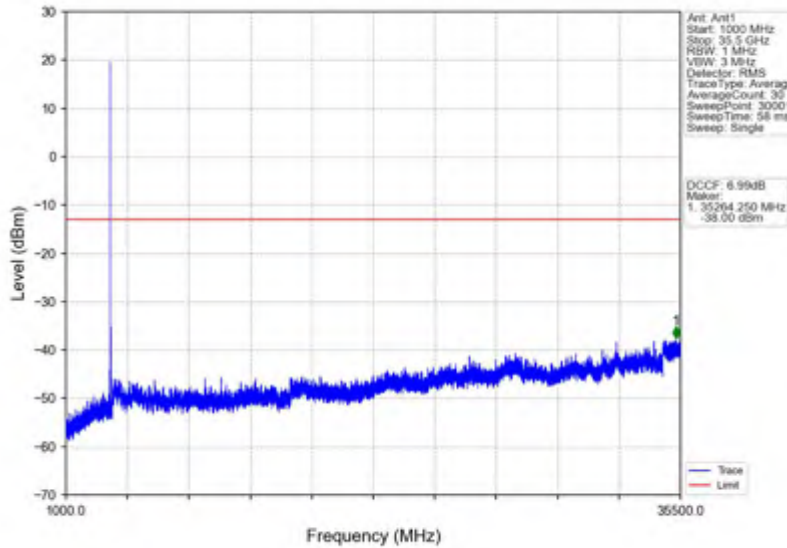
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



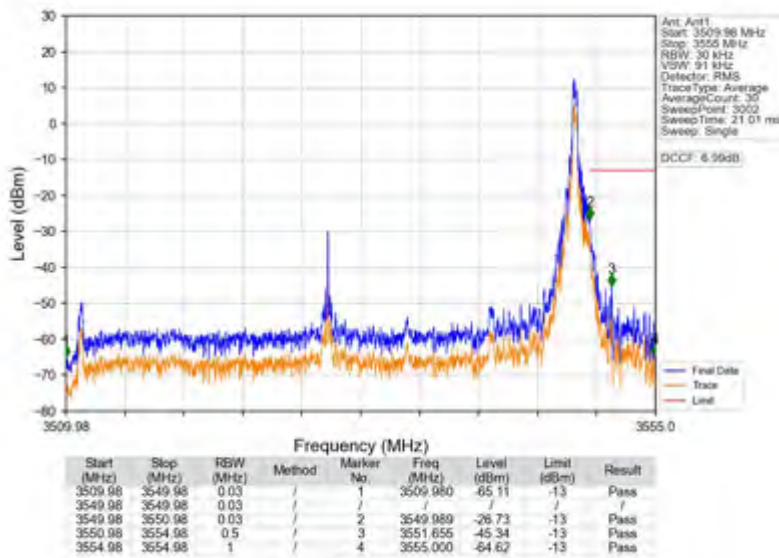
n78(3450-3550MHz) 30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



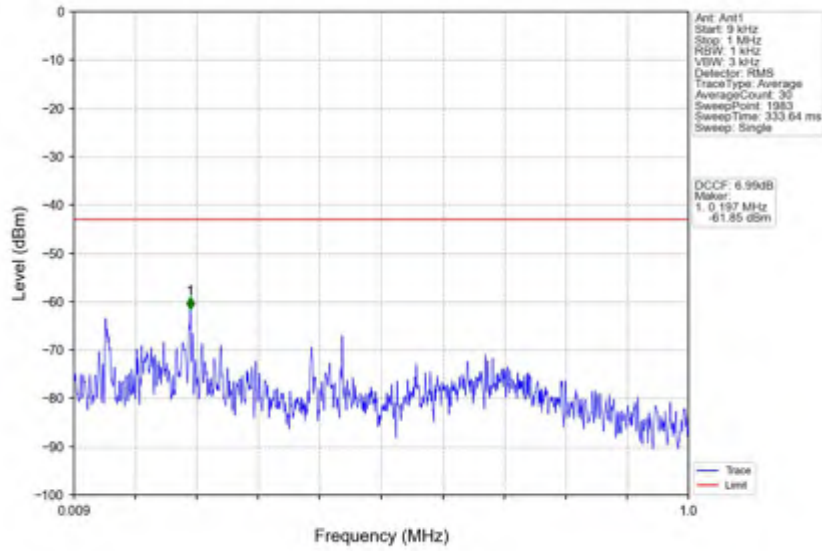
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left



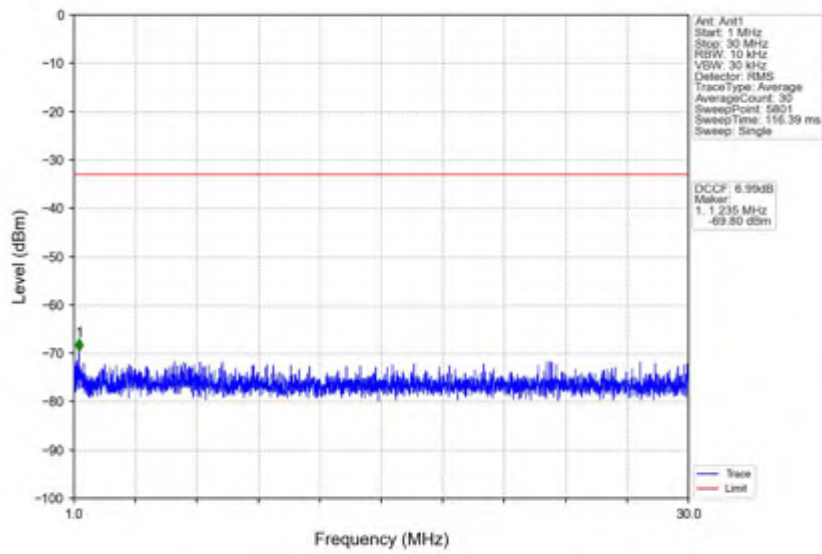
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3529.98MHz_Edge_1RB_Right



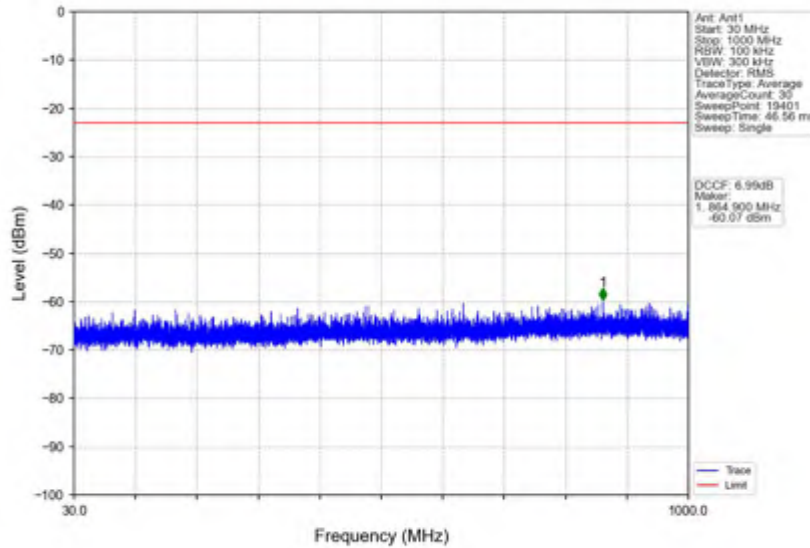
n78(3450-3550MHz) 30kHz SISO NTVN 40MHz DFT-s-OFDM PI/2 BPSK 3529.98MHz_Edge 1RB Right



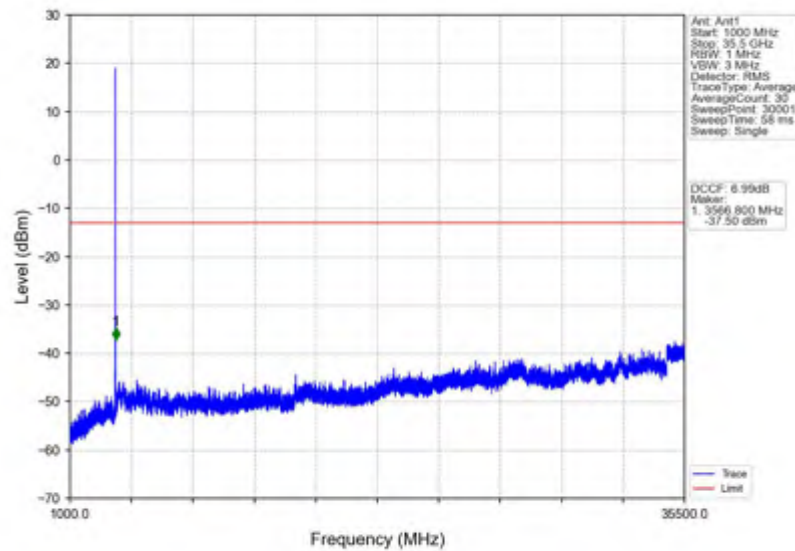
n78(3450-3550MHz) 30kHz SISO NTVN 40MHz DFT-s-OFDM PI/2 BPSK 3529.98MHz_Edge 1RB Right



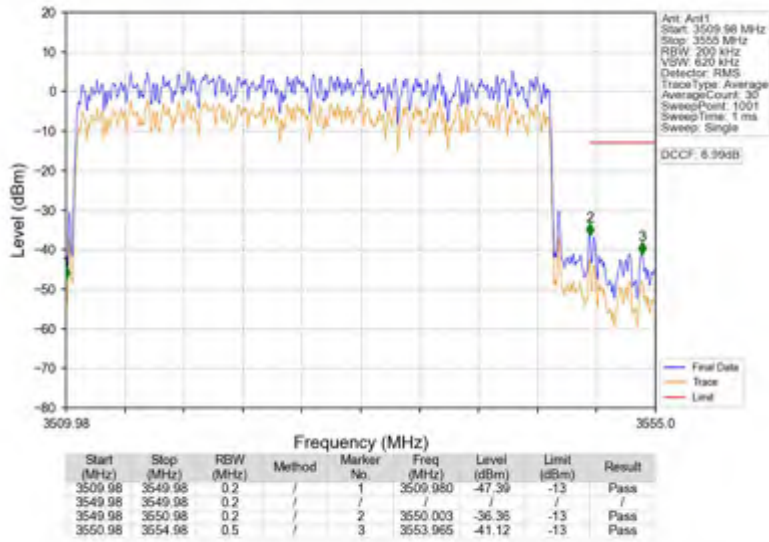
n78(3450-3550MHz) 30kHz SISO NTVN 40MHz DFT-s-OFDM PI/2 BPSK 3529.98MHz_Edge 1RB_Right



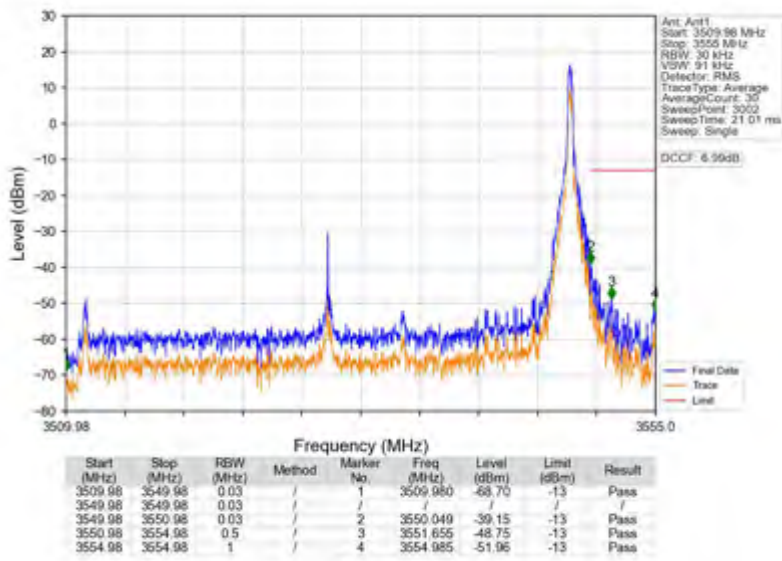
n78(3450-3550MHz) 30kHz SISO NTVN 40MHz DFT-s-OFDM PI/2 BPSK 3529.98MHz_Edge 1RB_Right



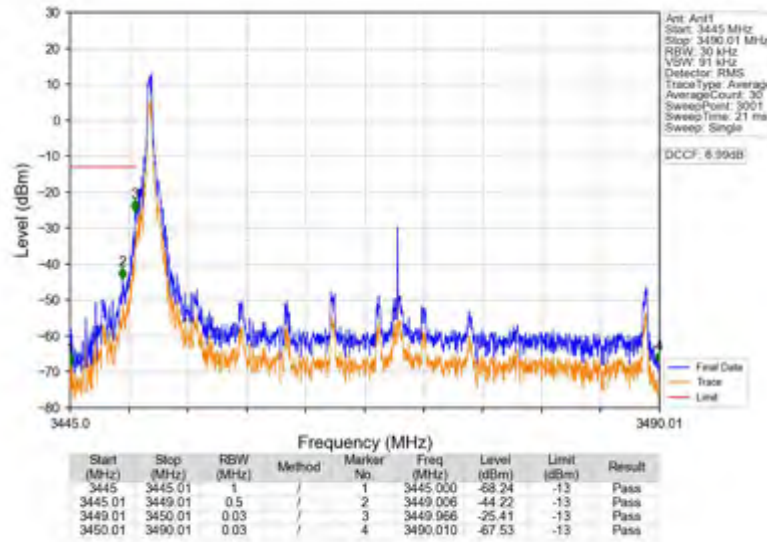
n78(3450-3550MHz) 30kHz SISO NTV 40MHz DFT-s-OFDM PI/2 BPSK 3529.98MHz Outer Full



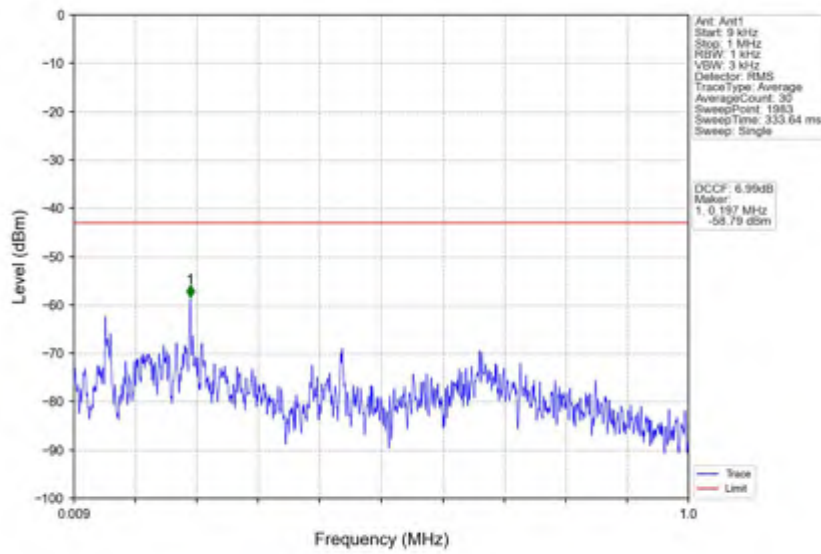
n78(3450-3550MHz) 30kHz SISO NTV 40MHz DFT-s-OFDM PI/2 BPSK 3529.98MHz Inner_1RB_Right



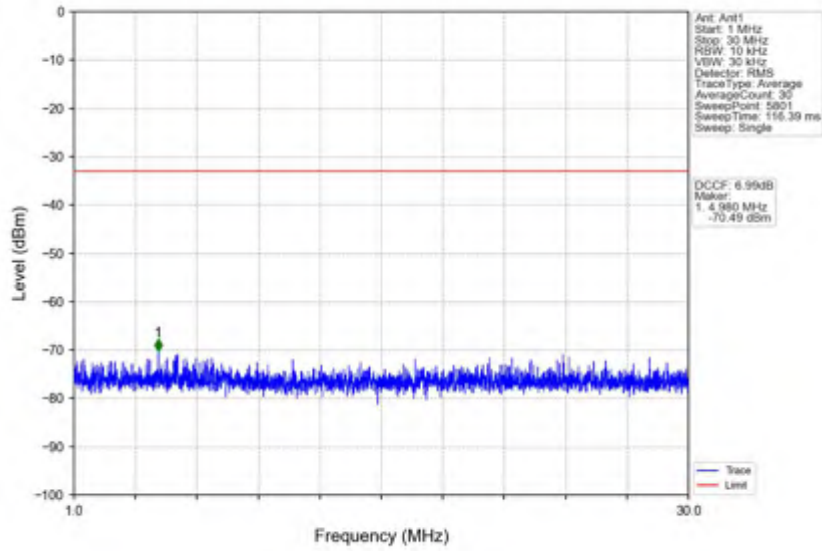
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



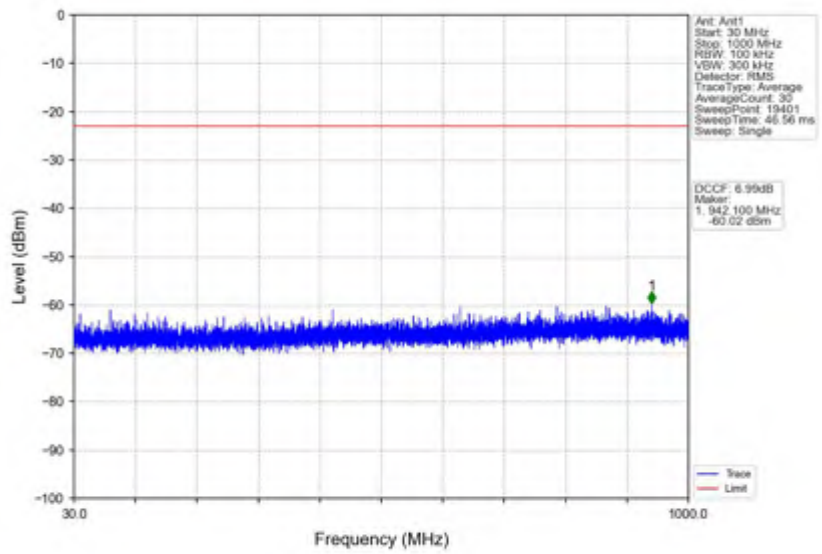
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



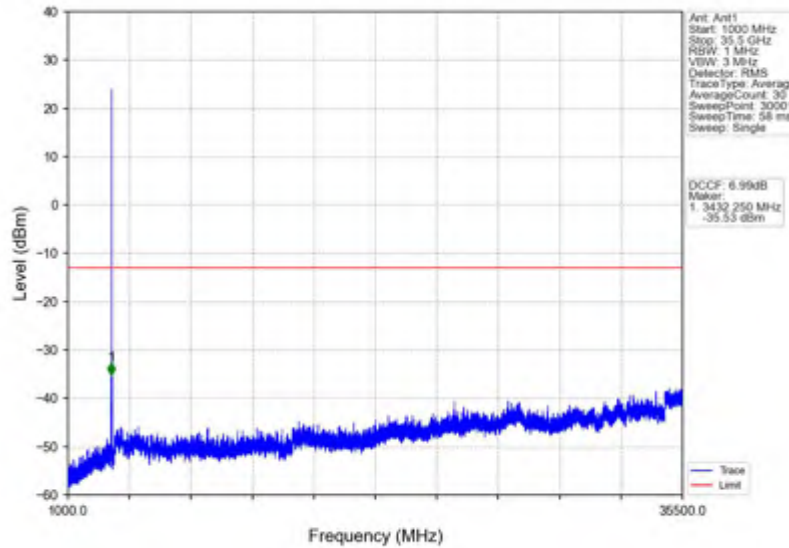
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



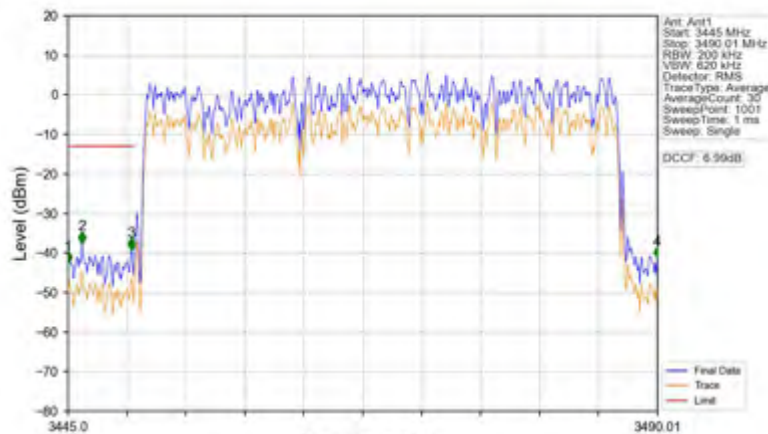
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



n78(3450-3550MHz) 30kHz SISO NTVN 40MHz DFT-s-OFDM QPSK 3470.01MHz Edge 1RB Left

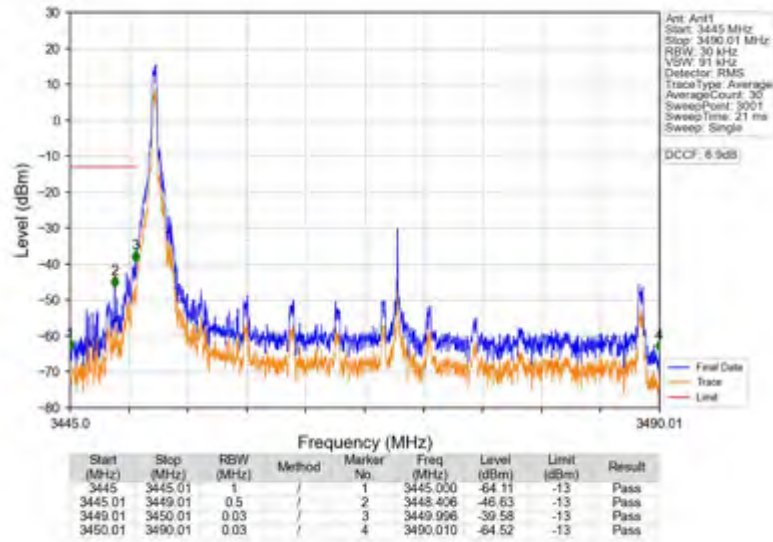


n78(3450-3550MHz) 30kHz SISO NTVN 40MHz DFT-s-OFDM QPSK 3470.01MHz Outer Full

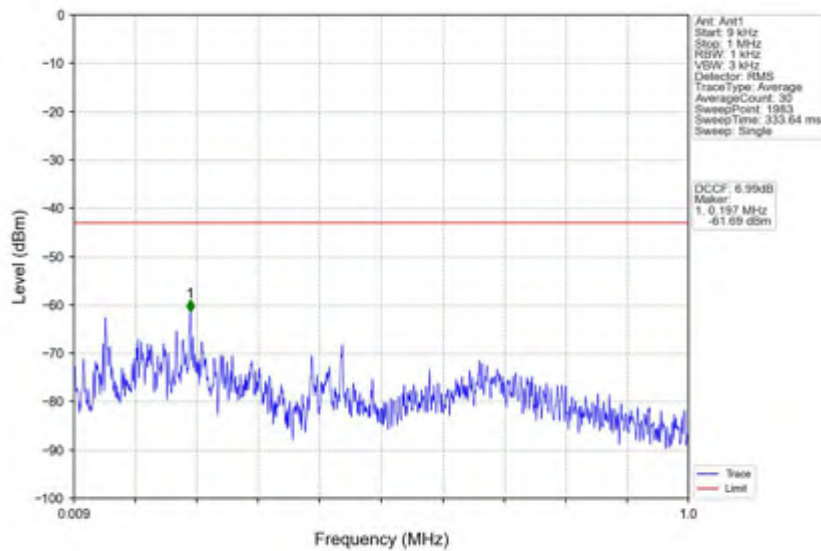


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	/	1	3445.000	-42.61	-13	Pass
3445.01	3449.01	0.5	/	2	3446.080	-37.59	-13	Pass
3449.01	3450.01	0.2	/	3	3449.861	-39.22	-13	Pass
3450.01	3490.01	0.2	/	4	3490.010	-41.35	-13	Pass

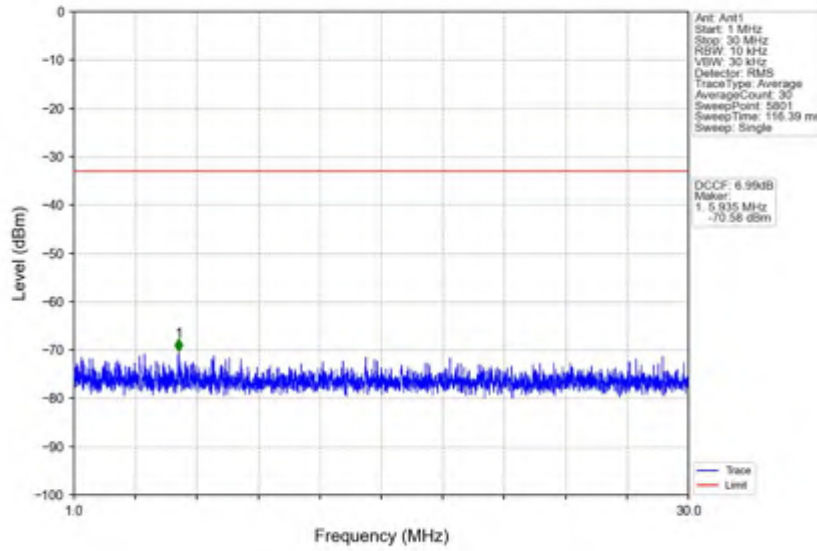
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3470.01MHz_Inner_1RB_Left



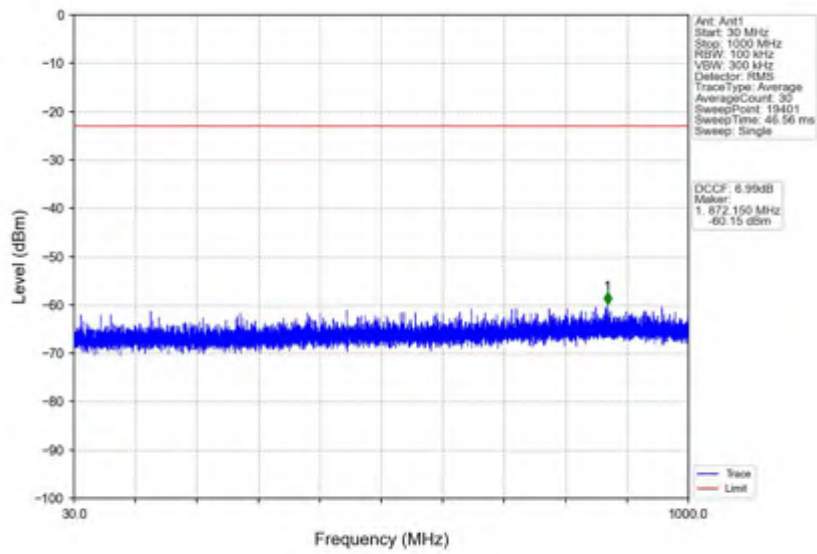
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



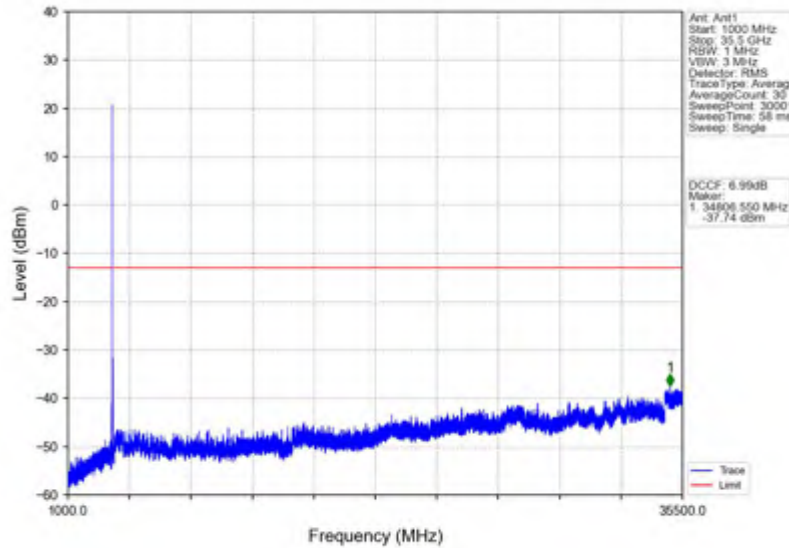
n78(3450-3550MHz) 30kHz SISO NTV 40MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left



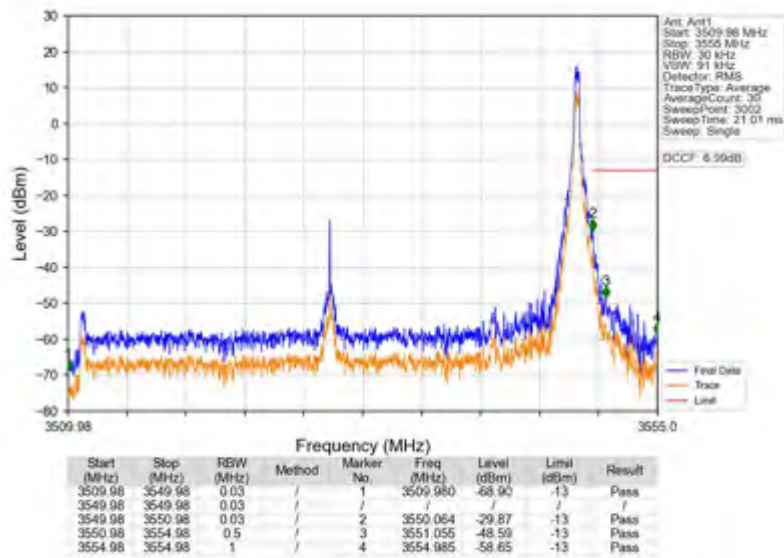
n78(3450-3550MHz) 30kHz SISO NTV 40MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left



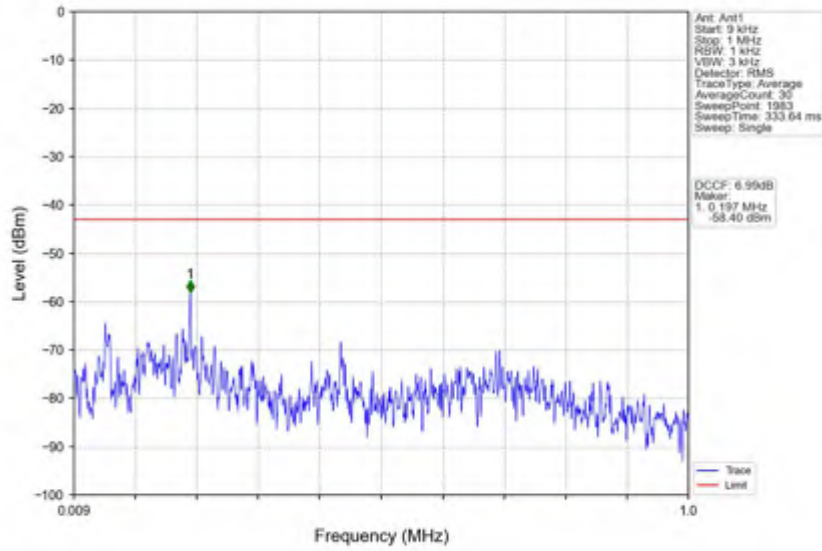
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left



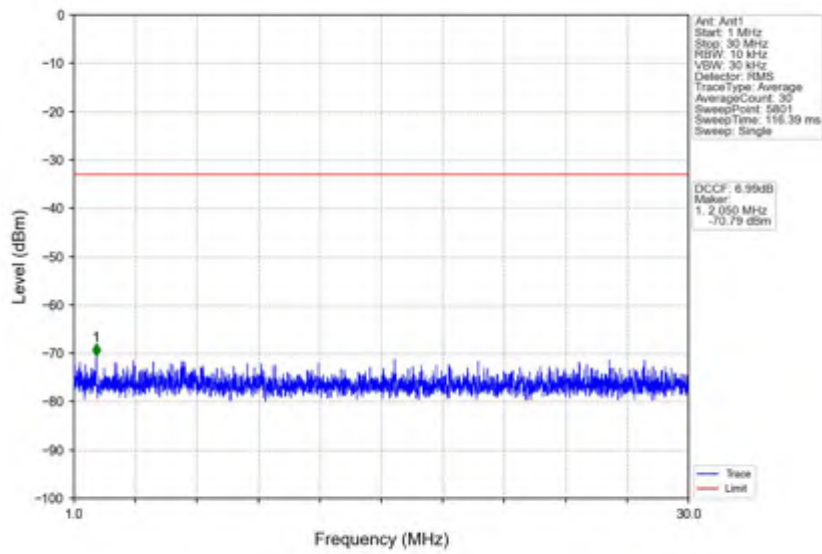
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3529.98MHz Edge 1RB Right



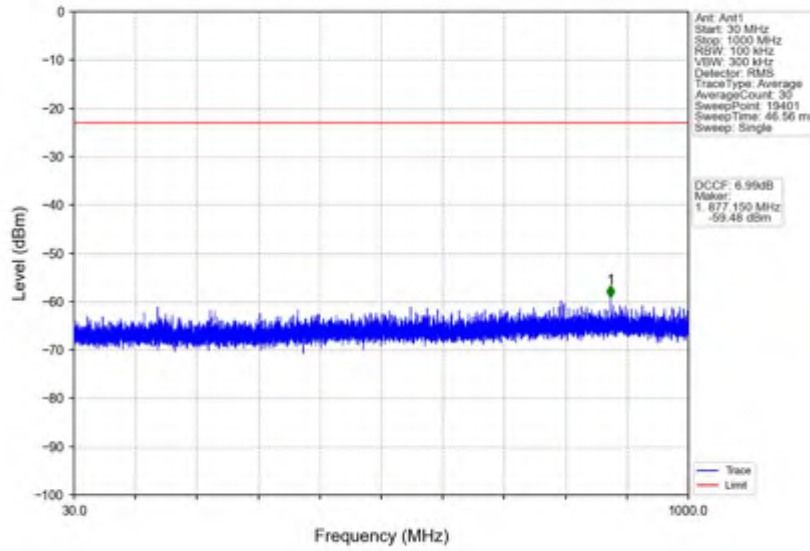
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3529.98MHz Edge 1RB Right



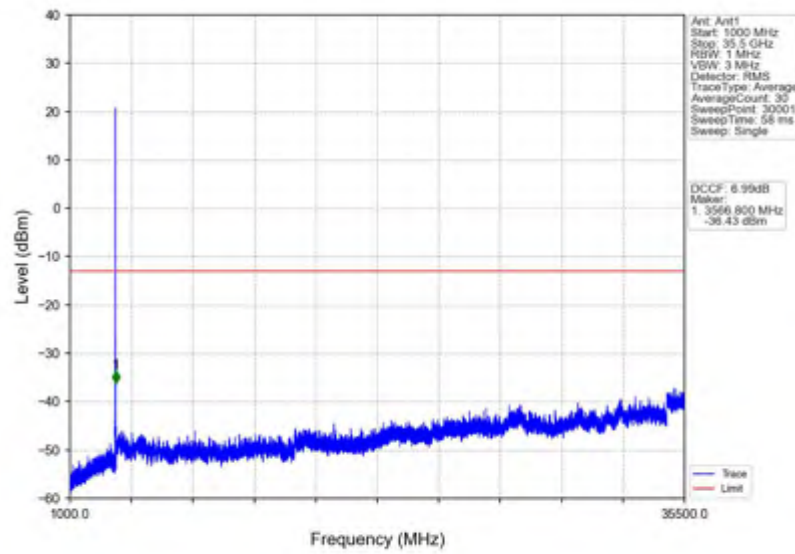
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3529.98MHz Edge 1RB Right



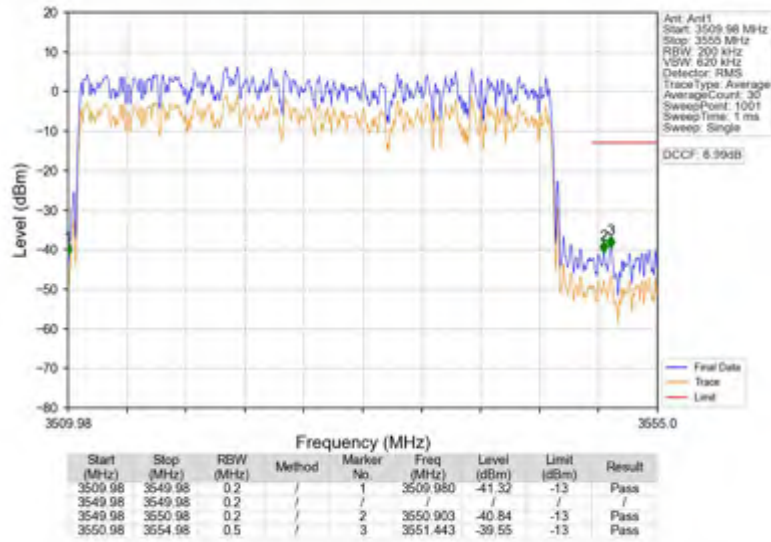
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3529.98MHz_Edge_1RB_Right



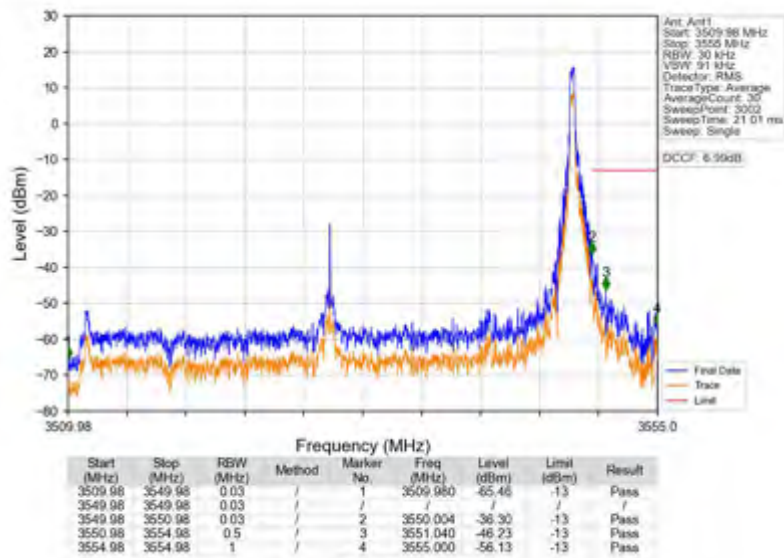
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3529.98MHz_Edge_1RB_Right



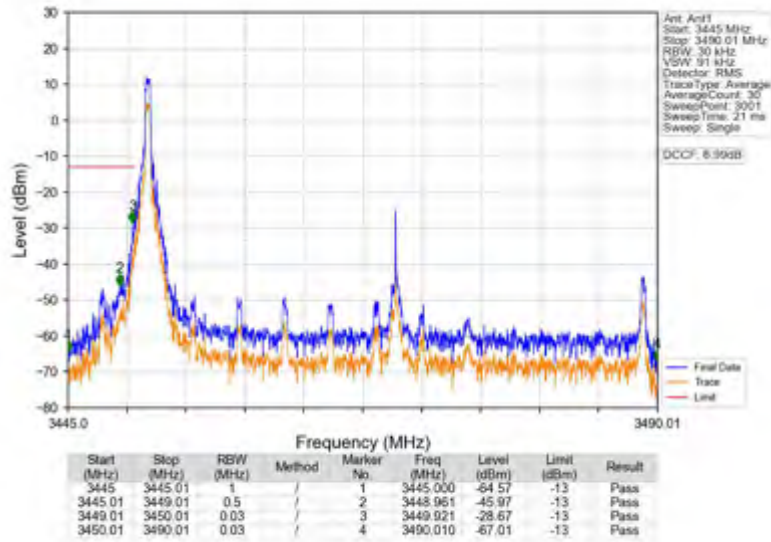
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3529.98MHz Outer Full



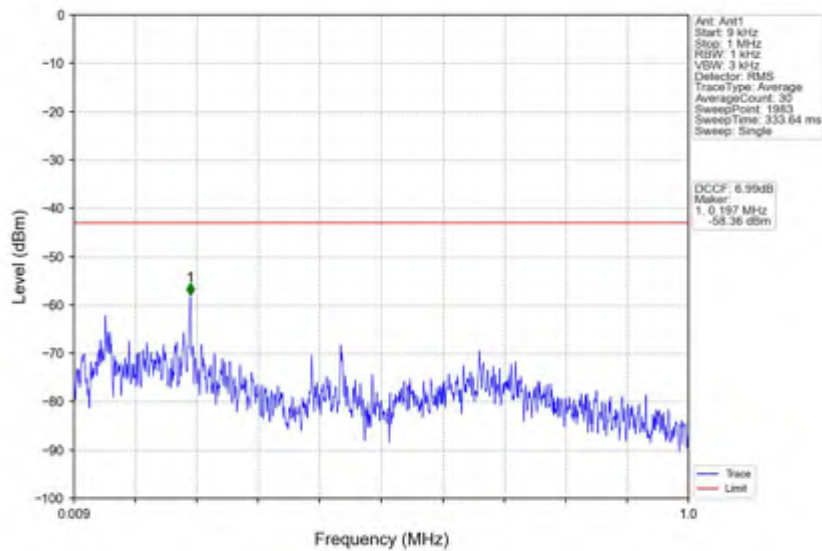
n78(3450-3550MHz) 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3529.98MHz Inner 1RB Right



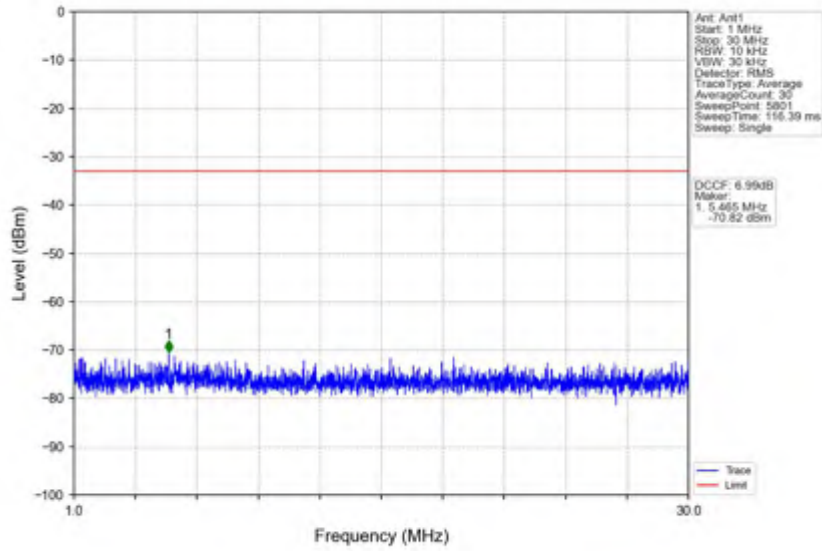
n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3470.01MHz Edge 1RB Left



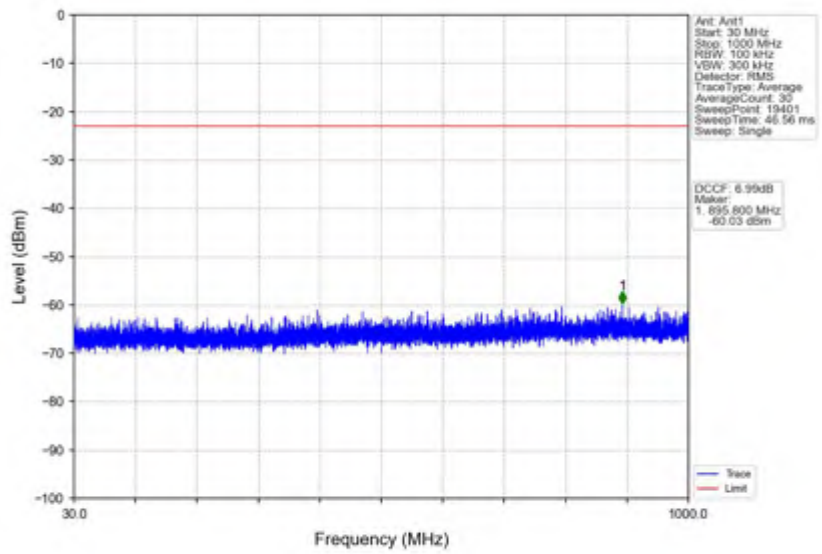
n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3470.01MHz Edge 1RB Left



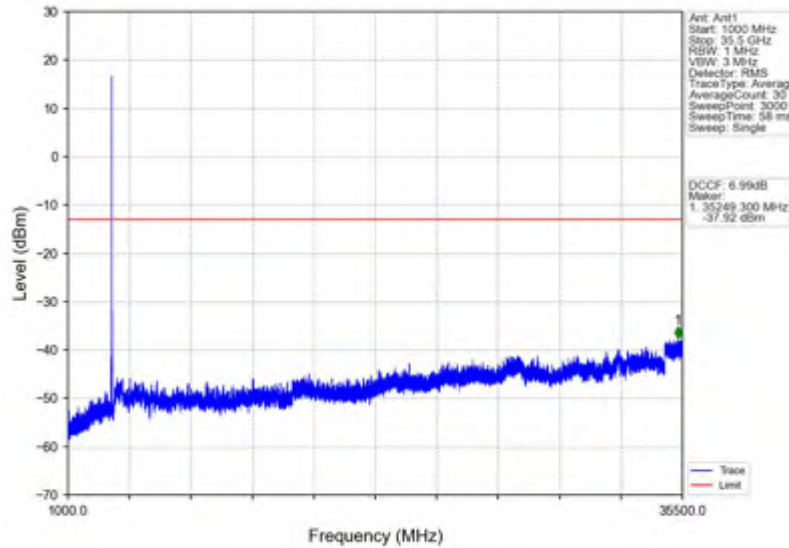
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



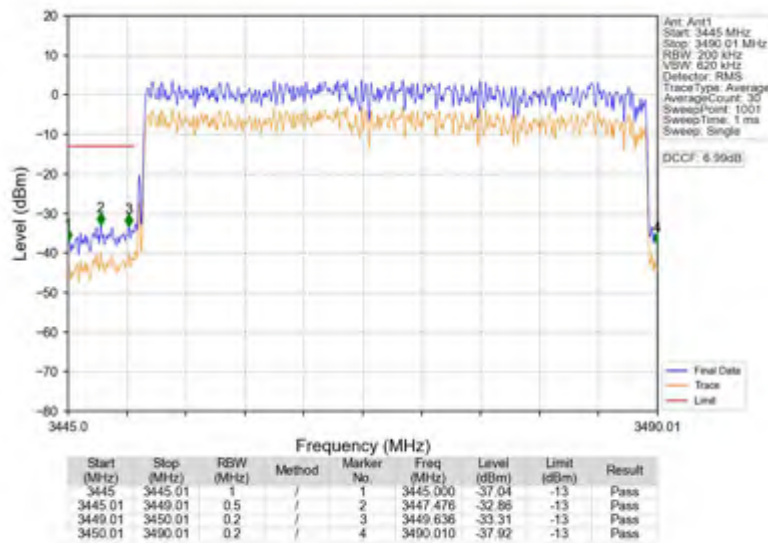
n78(3450-3550MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



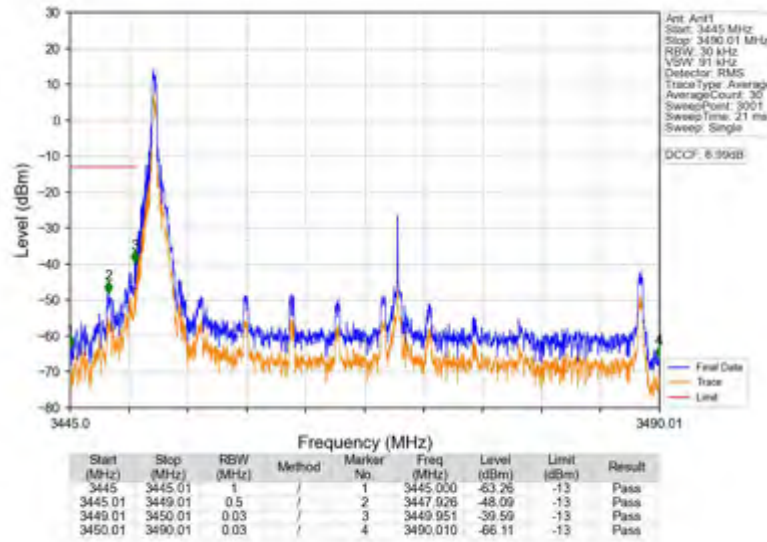
n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3470.01MHz Edge 1RB Left



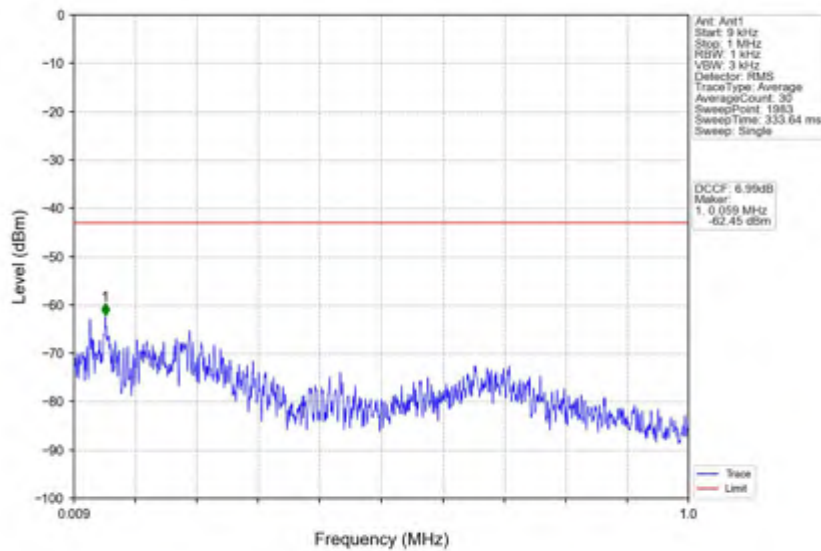
n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3470.01MHz Outer_Full



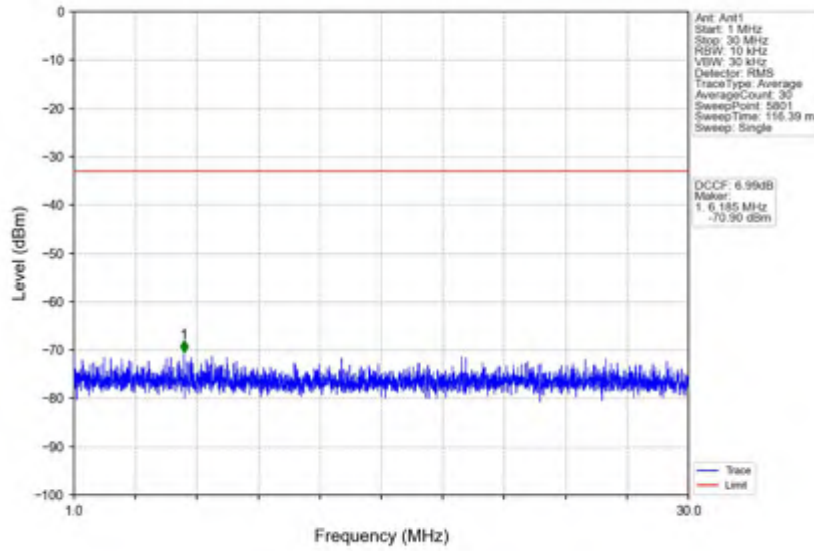
n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3470.01MHz Inner 1RB Left



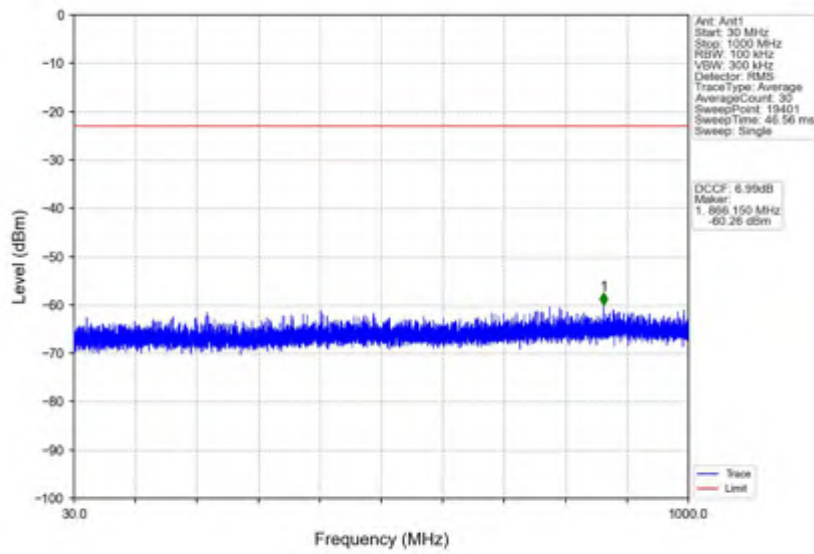
n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



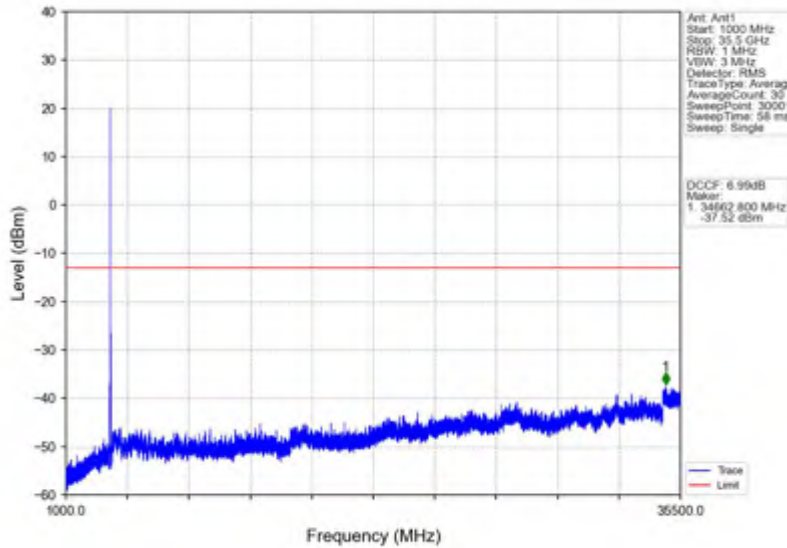
n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



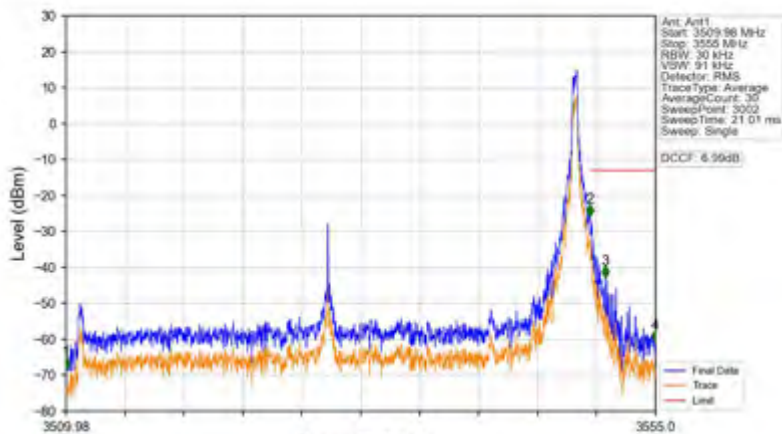
n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



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

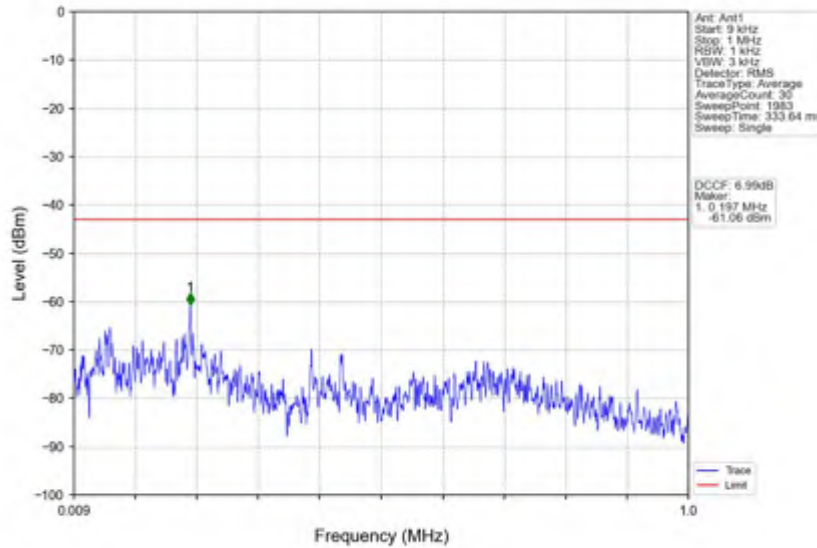


n78(3450-3550MHz) 30kHz SISO NTN 40MHz CP-OFDM QPSK 3529.98MHz Edge 1RB Right

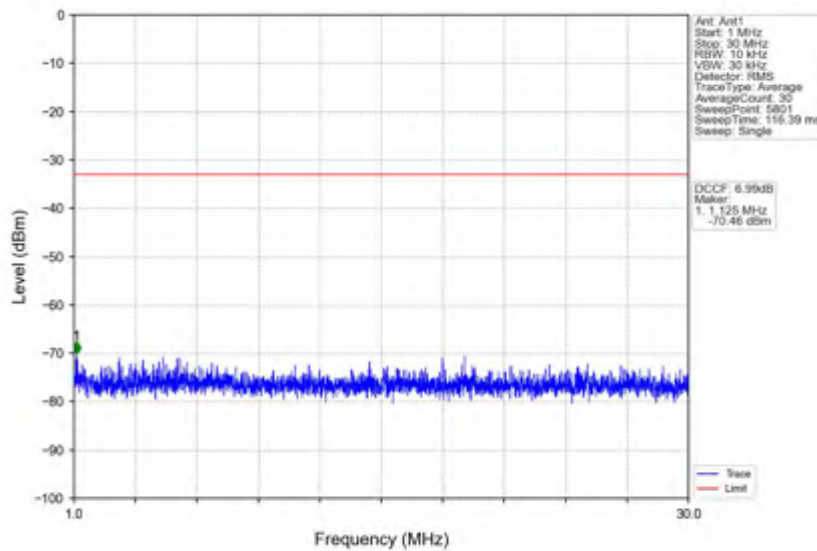


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3509.98	3549.98	0.03	/	1	3509.980	-68.29	-13	Pass
3549.98	3550.98	0.03	/	2	3550.019	-25.81	-13	Pass
3550.98	3554.98	0.5	/	3	3551.145	-43.00	-13	Pass
3554.98	3554.98	1	/	4	3554.985	-60.85	-13	Pass

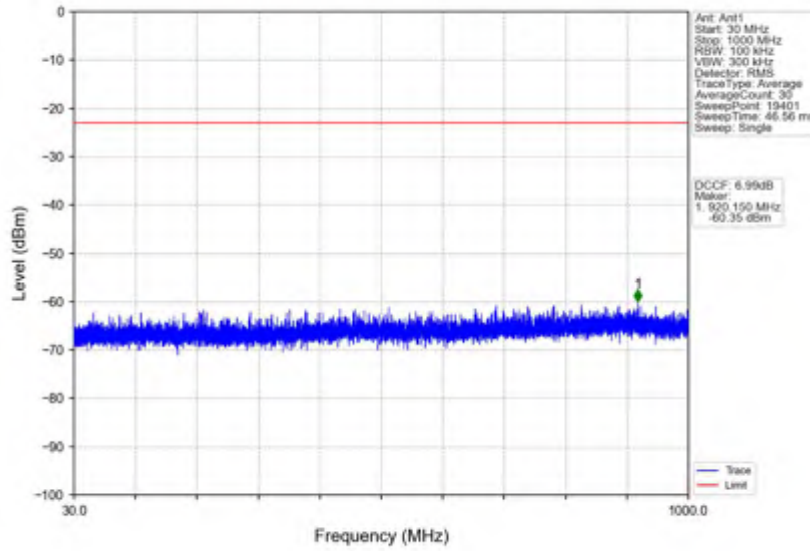
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_CP-OFDM QPSK_3529.98MHz_Edge_1RB_Right



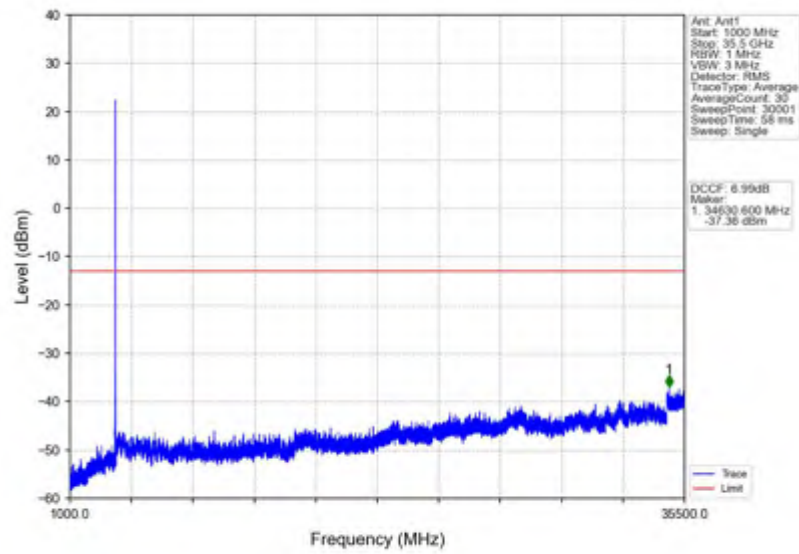
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_CP-OFDM QPSK_3529.98MHz_Edge_1RB_Right



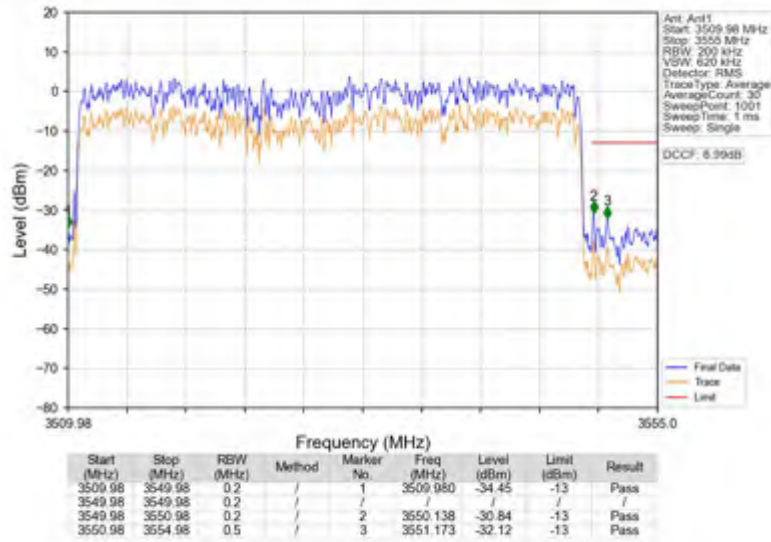
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_CP-OFDM QPSK_3529.98MHz_Edge_1RB_Right



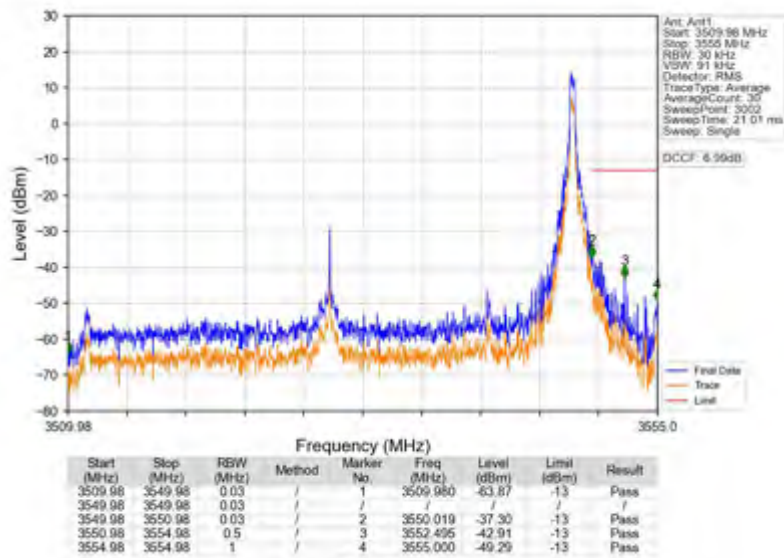
n78(3450-3550MHz) 30kHz SISO_NTNV_40MHz_CP-OFDM QPSK_3529.98MHz_Edge_1RB_Right



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



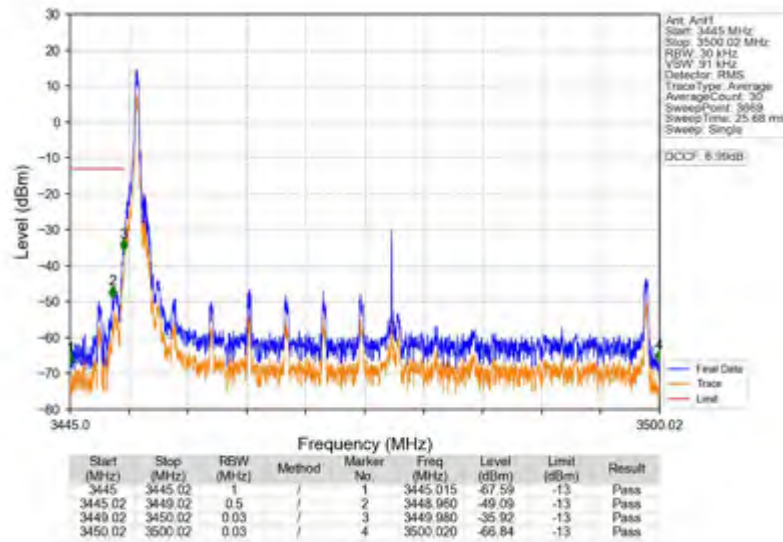
5.4 30k_SISO_50MHz_NTNV

5.4.1 Test Result

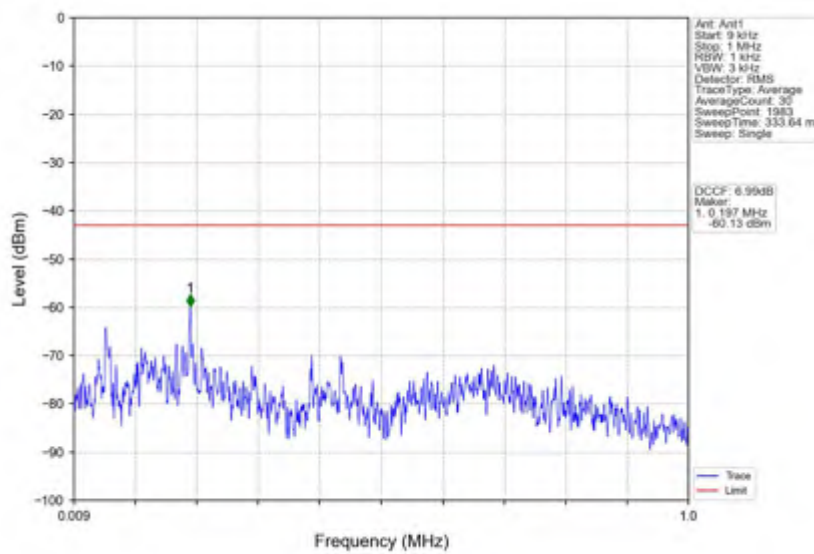
5G NR n78(3450-3550MHz) SCS=30kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict	
			Ant1	Ant2	Sum		Limit
DFT-s-OFDM PI/2 BPSK	3475.02	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph		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

5.4.2 Test Graph

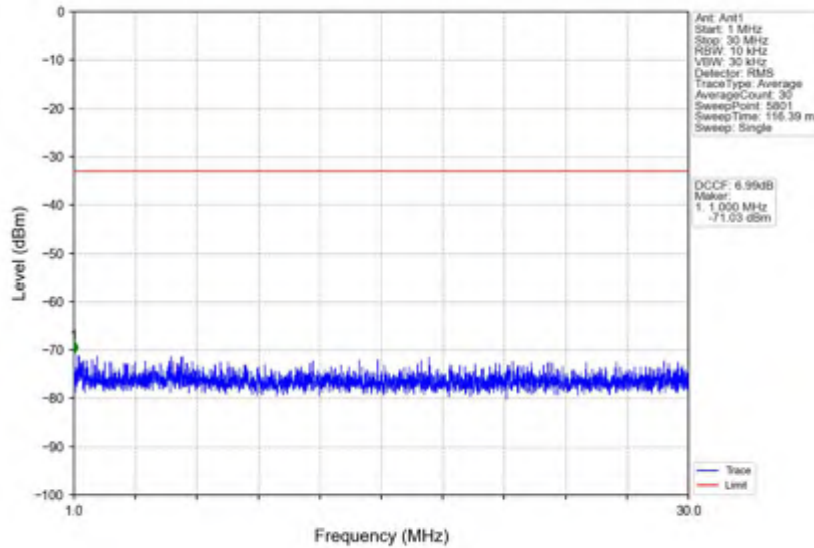
n78(3450-3550MHz) 30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Edge_1RB_Left



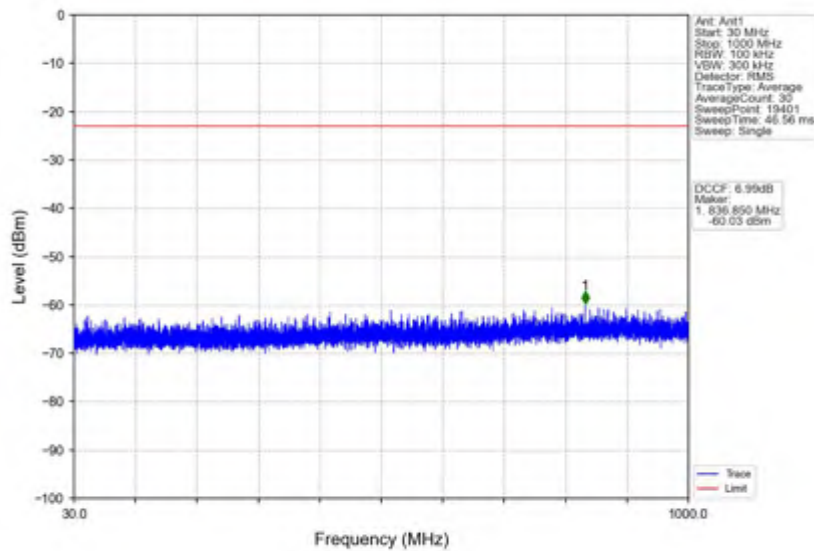
n78(3450-3550MHz) 30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Edge_1RB_Left



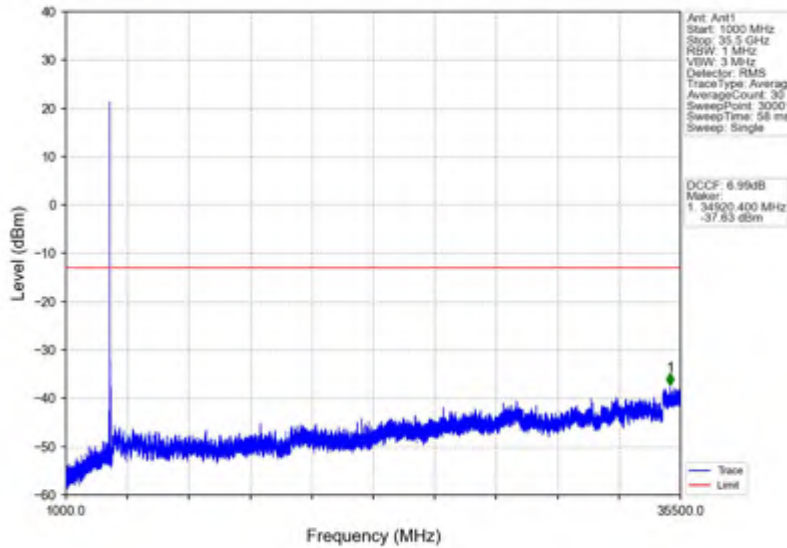
n78(3450-3550MHz) 30kHz SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Edge_1RB_Left



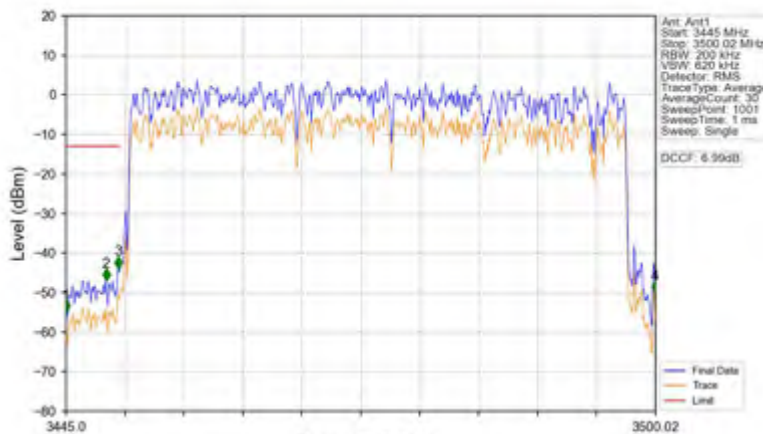
n78(3450-3550MHz) 30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Edge_1RB_Left



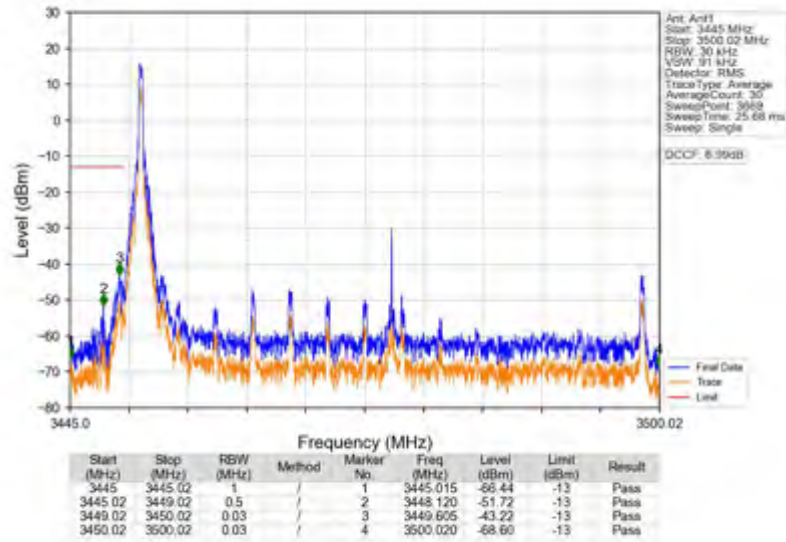
n78(3450-3550MHz) 30kHz SISO_NTNV_50MHz DFT-s-OFDM PI/2 BPSK_3475.02MHz Edge 1RB Left



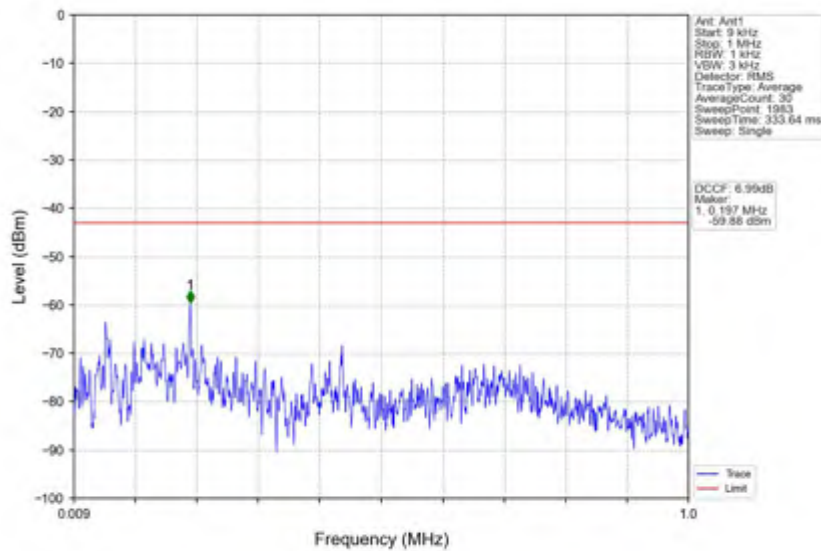
n78(3450-3550MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Outer_Full



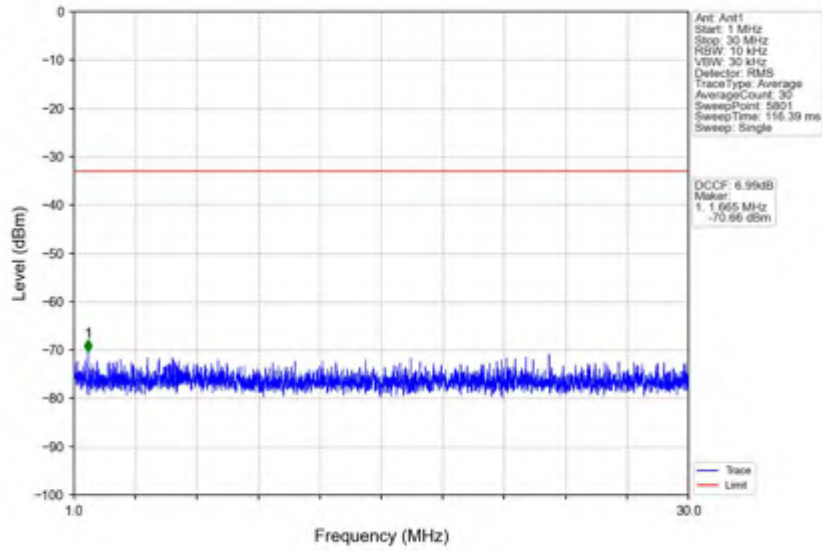
n78(3450-3550MHz) 30kHz SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Inner_1RB_Left



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

