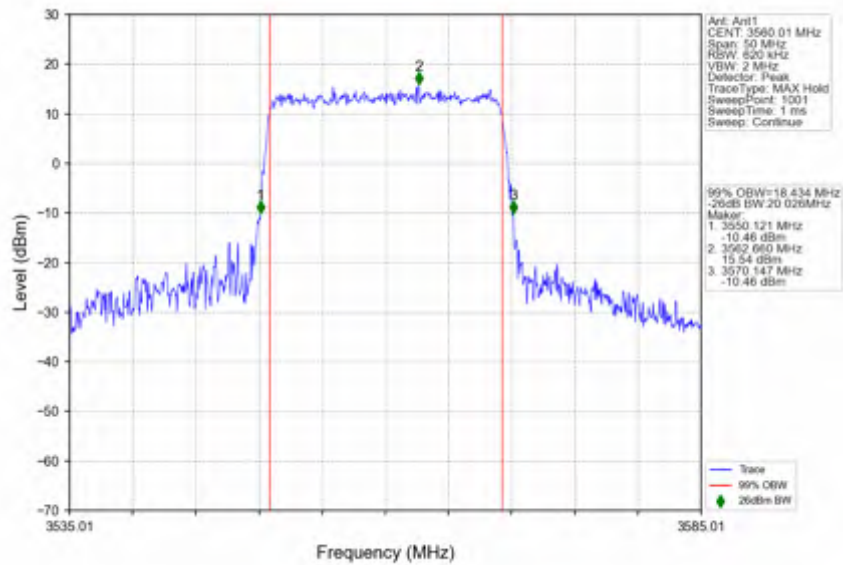
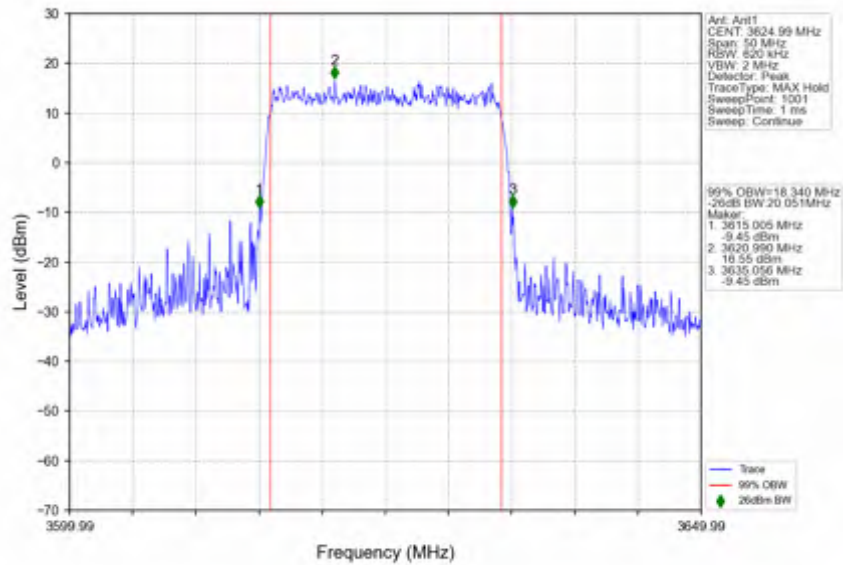


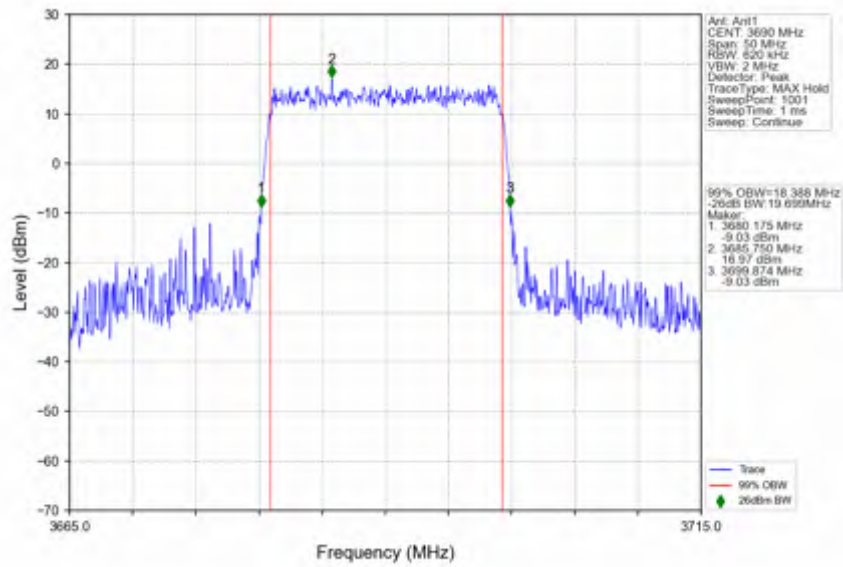
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3560.01MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3690MHz_Outer_Full





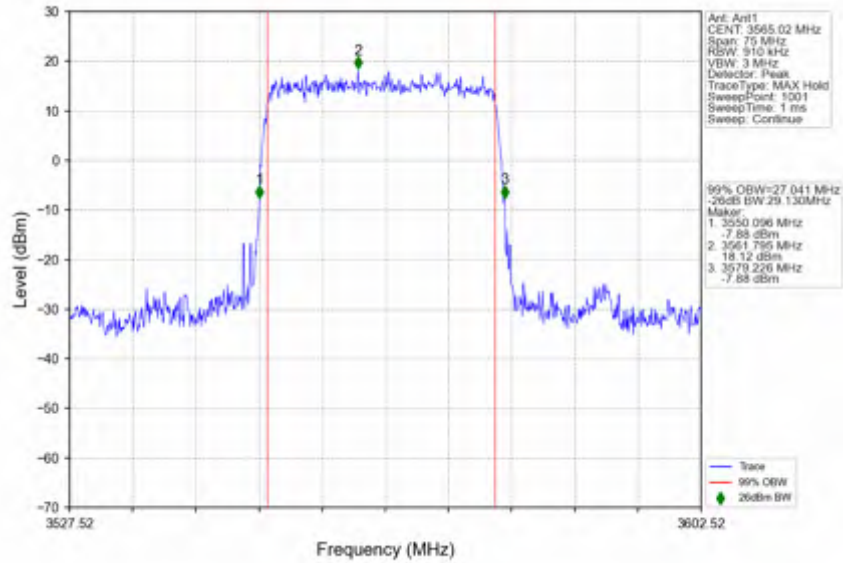
4.2 30k_SISO_30MHz_NTNV

4.2.1 Test Result

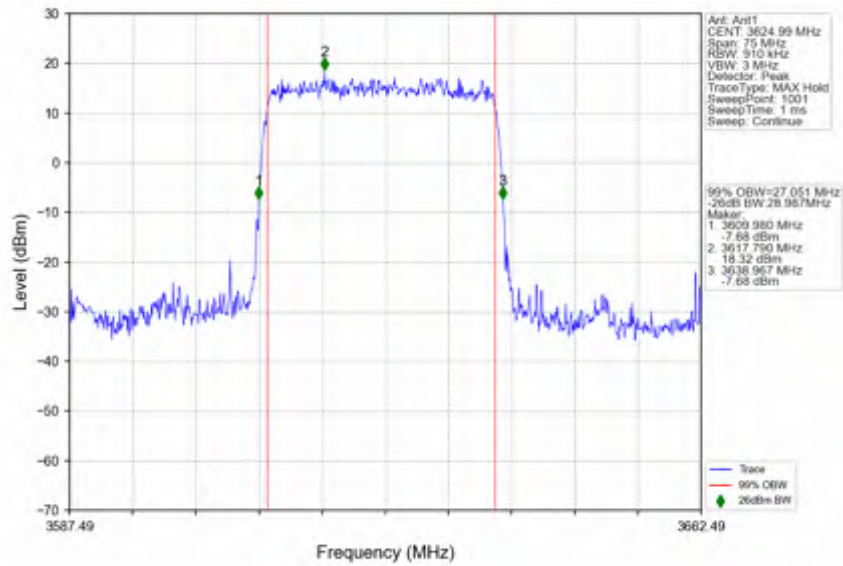
5G NR n78(3550-3700MHz) SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3565.02	Outer_Full	27.04	29.13	/	Pass
	3624.99	Outer_Full	27.05	28.99	/	Pass
	3684.99	Outer_Full	27.01	28.99	/	Pass
DFT-s-OFDM QPSK	3565.02	Outer_Full	27.10	29.05	/	Pass
	3624.99	Outer_Full	27.05	29.21	/	Pass
	3684.99	Outer_Full	27.05	28.94	/	Pass
DFT-s-OFDM 16 QAM	3565.02	Outer_Full	27.17	29.00	/	Pass
	3624.99	Outer_Full	27.19	28.95	/	Pass
	3684.99	Outer_Full	27.09	28.97	/	Pass
DFT-s-OFDM 64 QAM	3565.02	Outer_Full	27.16	29.09	/	Pass
	3624.99	Outer_Full	27.05	28.97	/	Pass
	3684.99	Outer_Full	27.08	29.16	/	Pass
DFT-s-OFDM 256 QAM	3565.02	Outer_Full	27.09	28.98	/	Pass
	3624.99	Outer_Full	27.16	29.03	/	Pass
	3684.99	Outer_Full	27.05	29.05	/	Pass
CP-OFDM QPSK	3565.02	Outer_Full	28.07	29.98	/	Pass
	3624.99	Outer_Full	28.21	29.84	/	Pass
	3684.99	Outer_Full	28.11	29.91	/	Pass
CP-OFDM 16 QAM	3565.02	Outer_Full	28.13	30.18	/	Pass
	3624.99	Outer_Full	28.08	30.03	/	Pass
	3684.99	Outer_Full	28.05	30.03	/	Pass
CP-OFDM 64 QAM	3565.02	Outer_Full	28.04	30.03	/	Pass
	3624.99	Outer_Full	28.16	30.12	/	Pass
	3684.99	Outer_Full	28.07	35.28	/	Pass
CP-OFDM 256 QAM	3565.02	Outer_Full	28.04	30.01	/	Pass
	3624.99	Outer_Full	28.10	30.02	/	Pass
	3684.99	Outer_Full	28.15	30.07	/	Pass

4.2.2 Test Graph

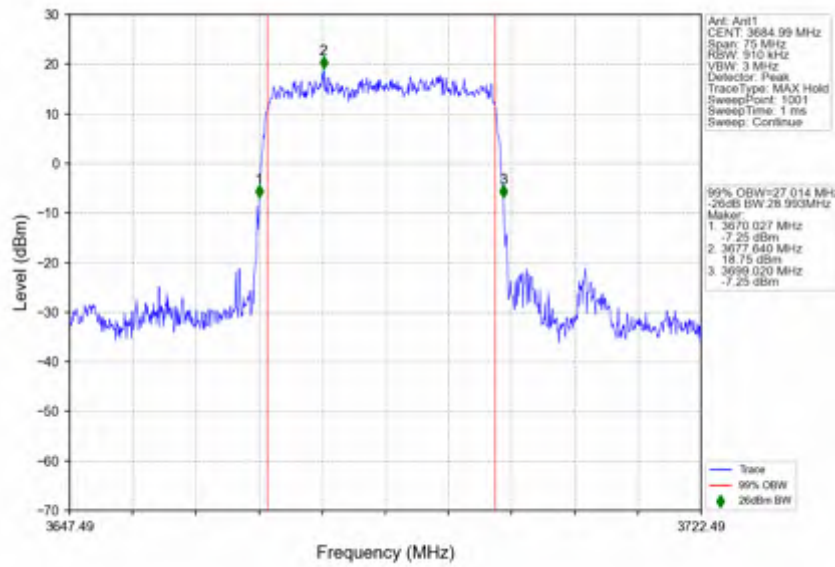
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3565.02MHz_Outer_Full



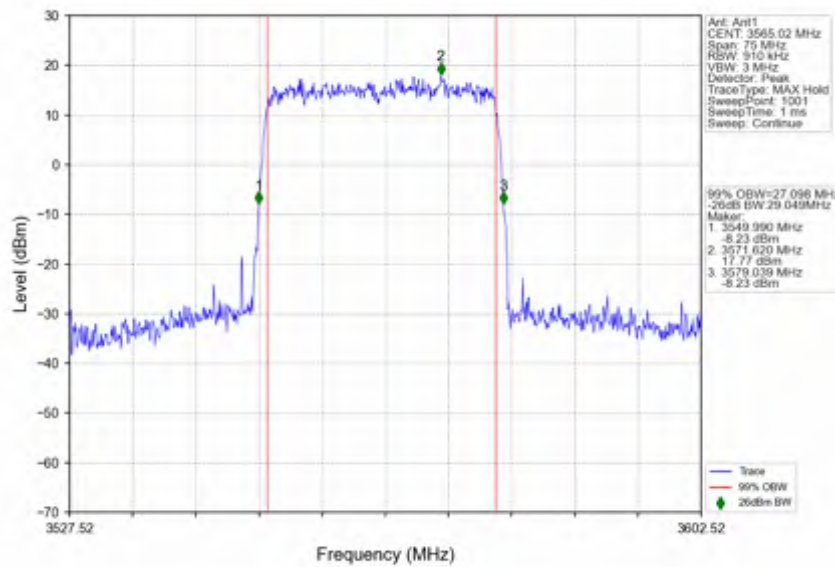
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



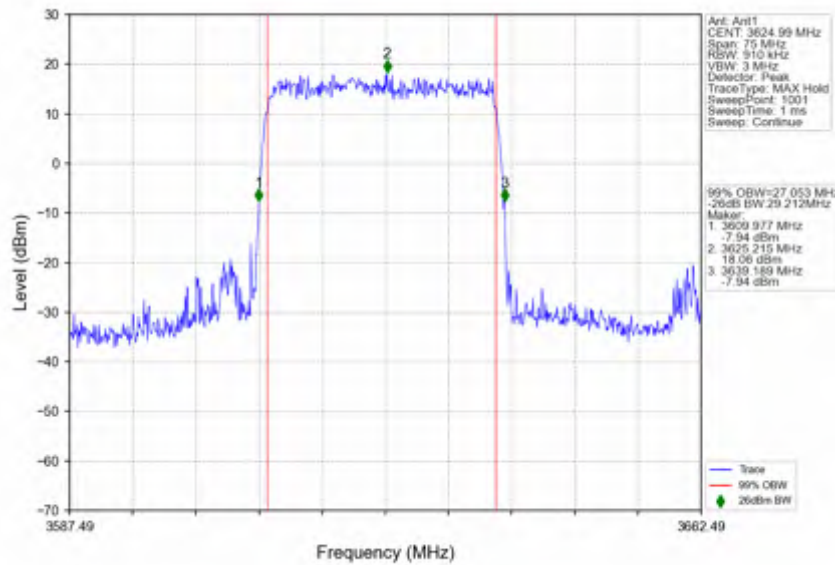
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3684.99MHz_Outer_Full



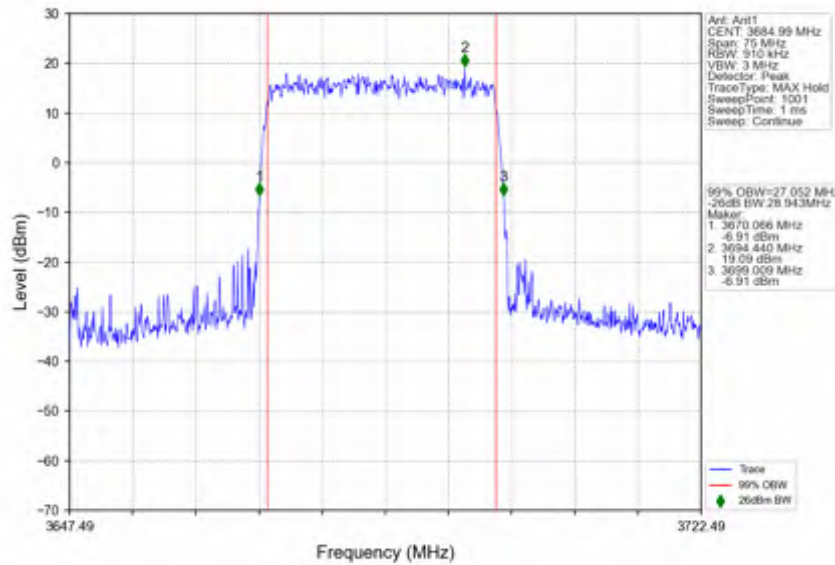
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3565.02MHz_Outer_Full



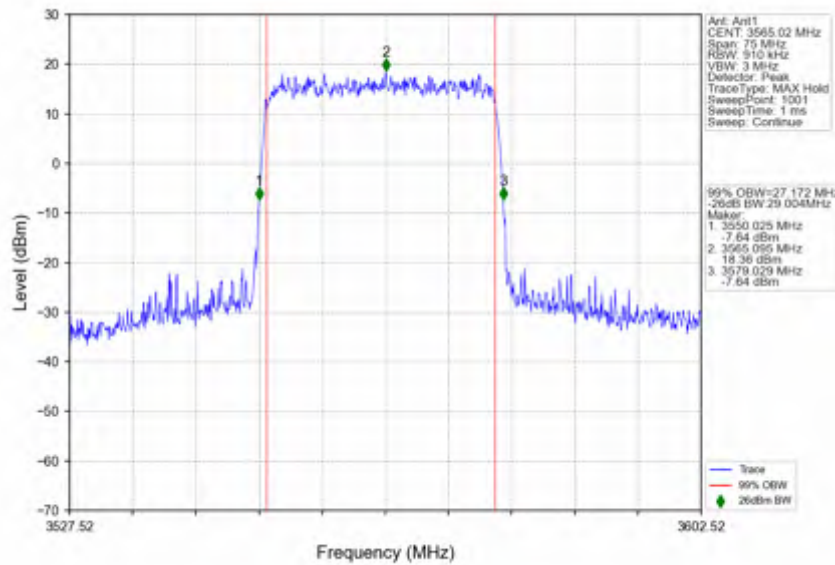
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



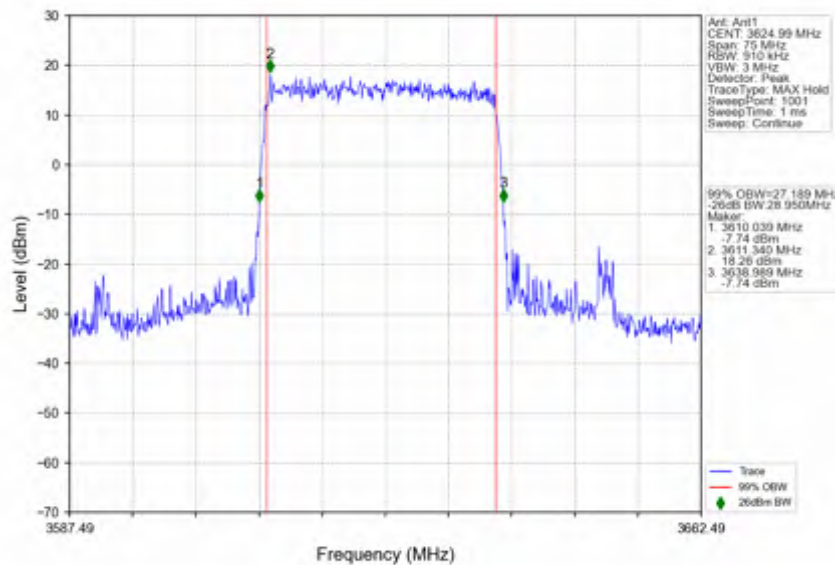
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3684.99MHz_Outer_Full



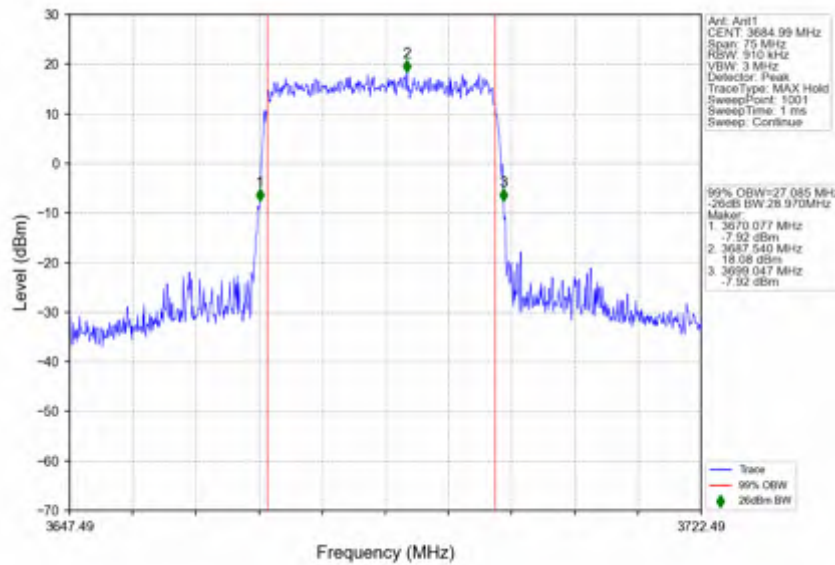
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3565.02MHz_Outer_Full



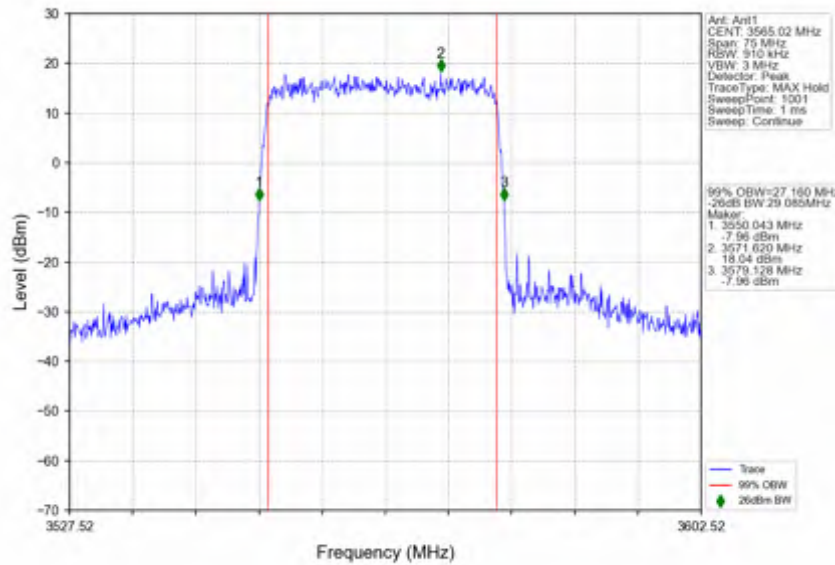
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



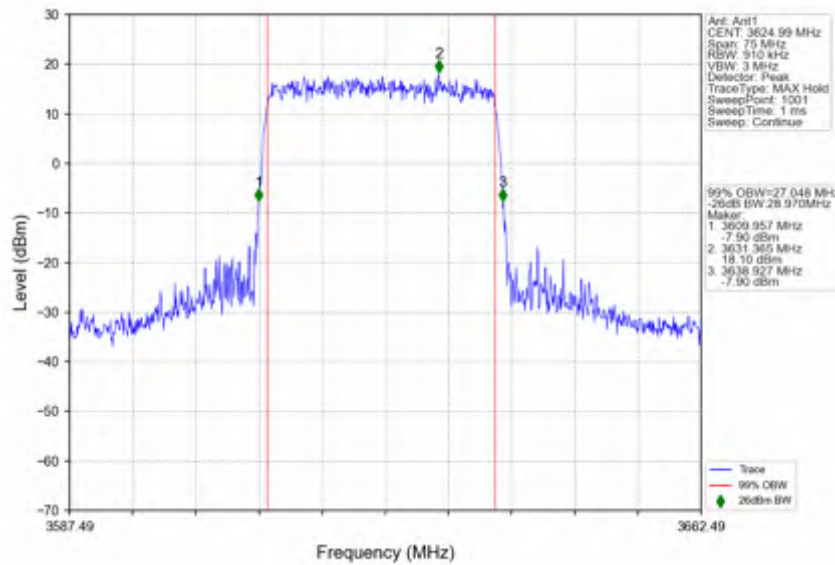
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3684.99MHz_Outer_Full



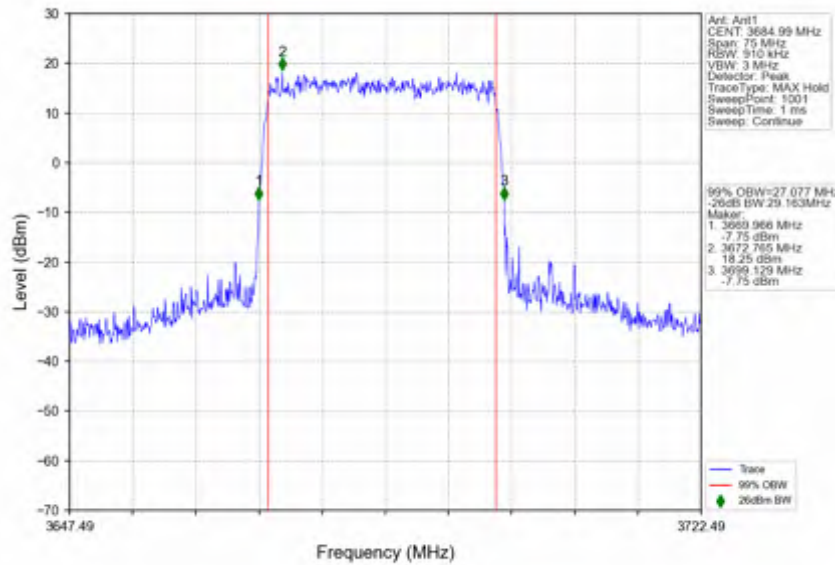
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3565.02MHz_Outer_Full



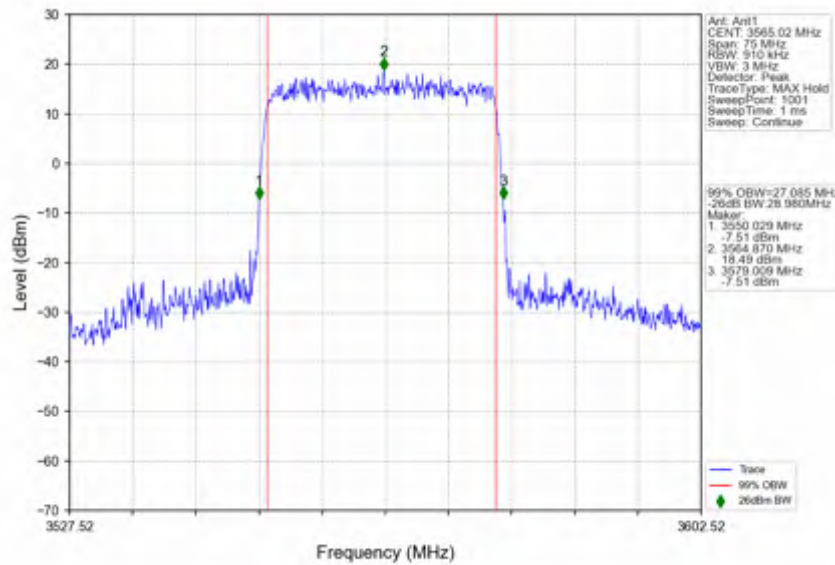
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



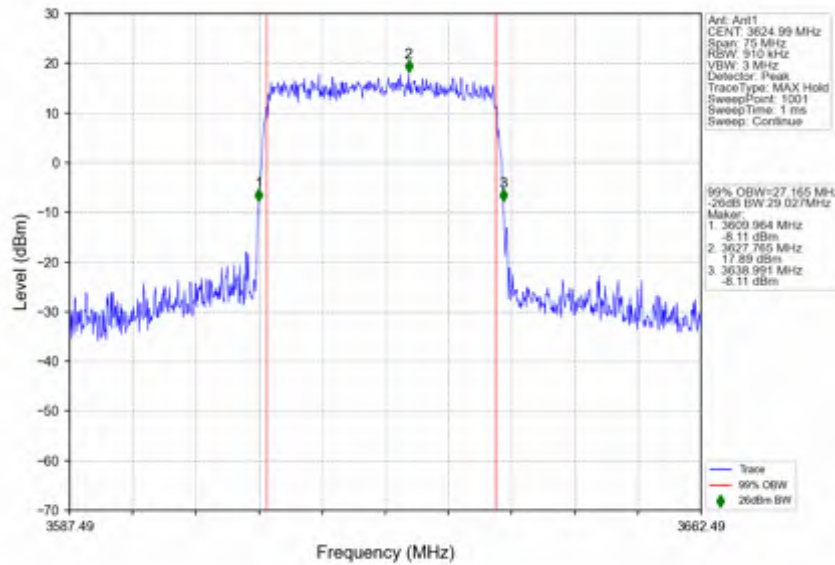
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3684.99MHz_Outer_Full



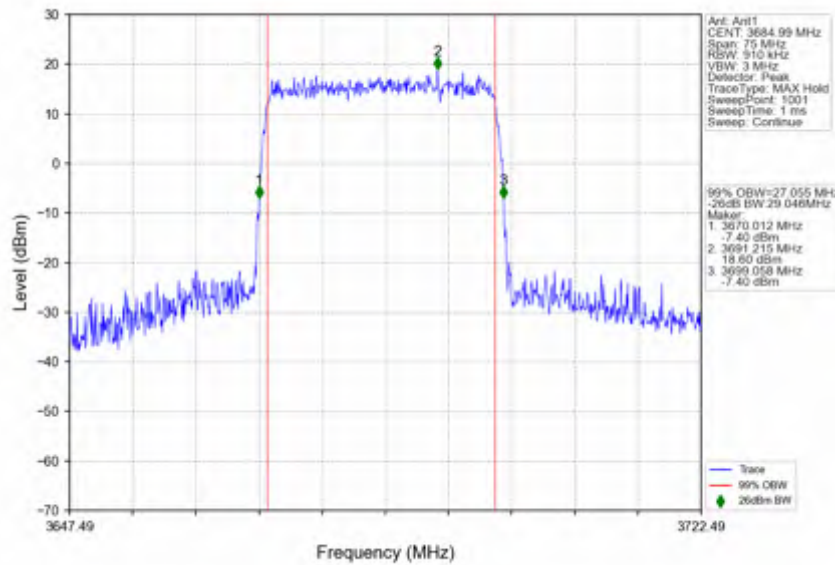
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_3565.02MHz_Outer_Full



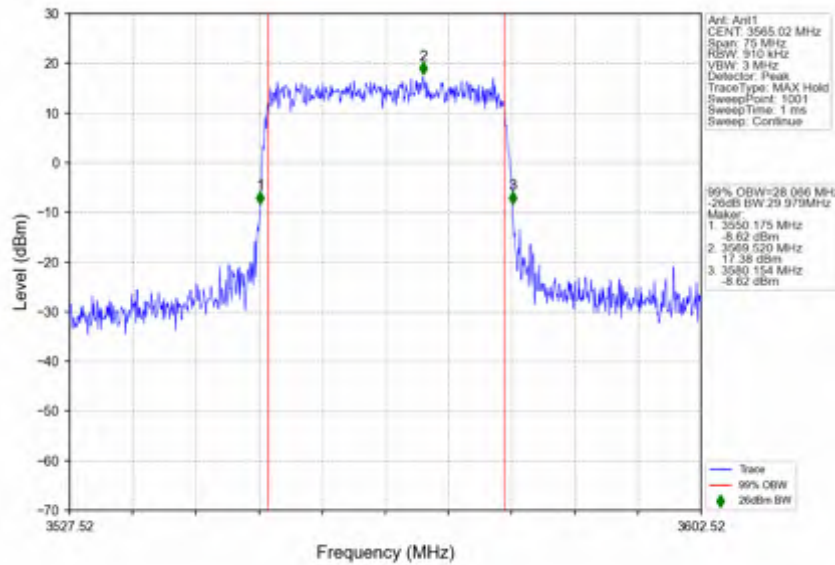
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



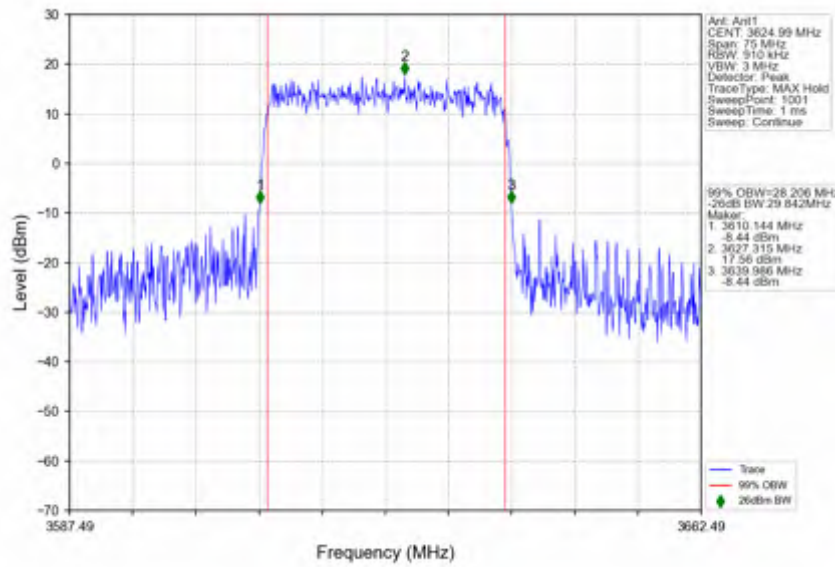
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_3684.99MHz_Outer_Full



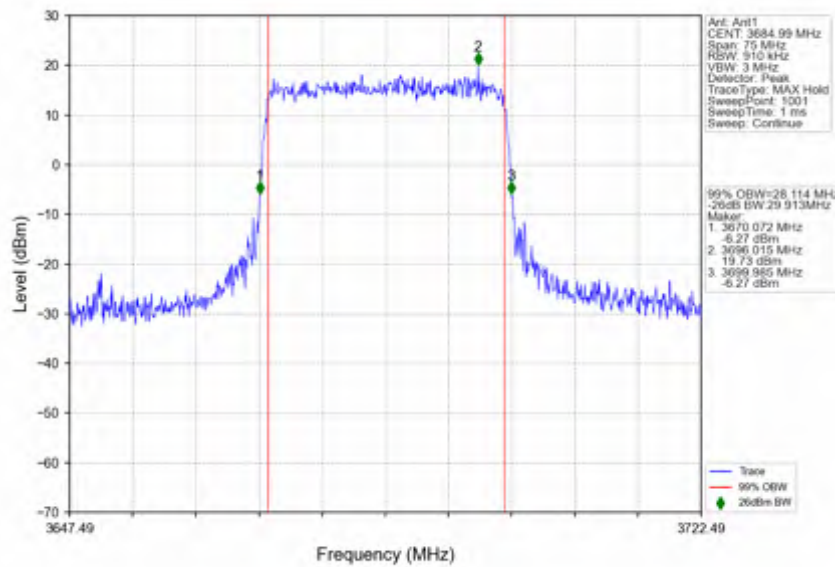
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Outer_Full



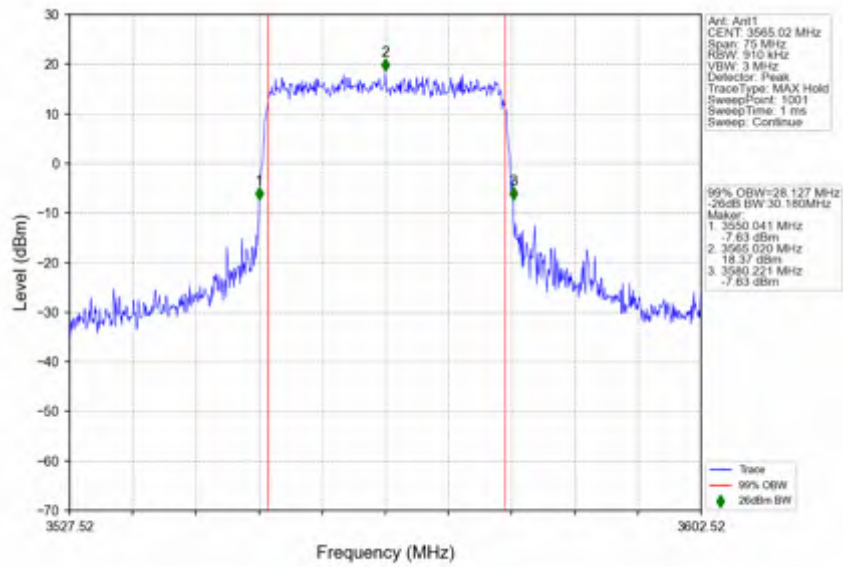
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



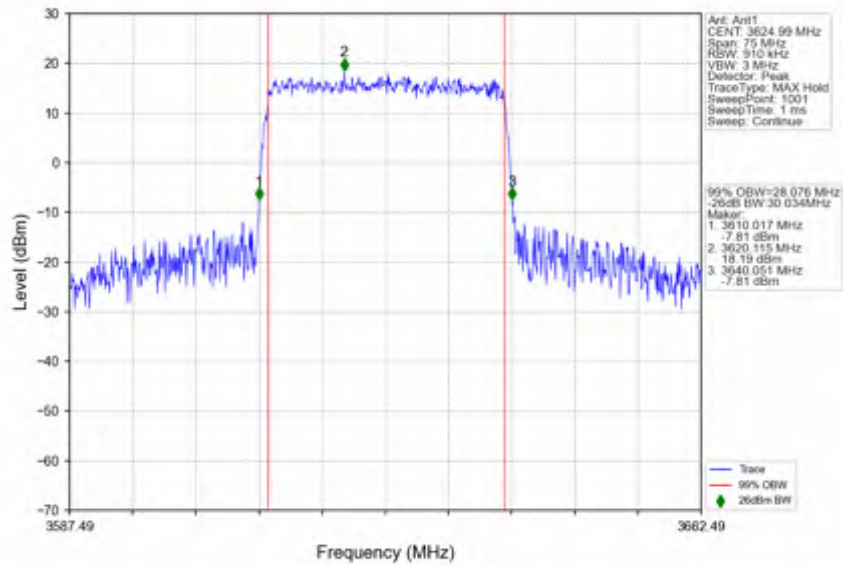
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3684.99MHz_Outer_Full



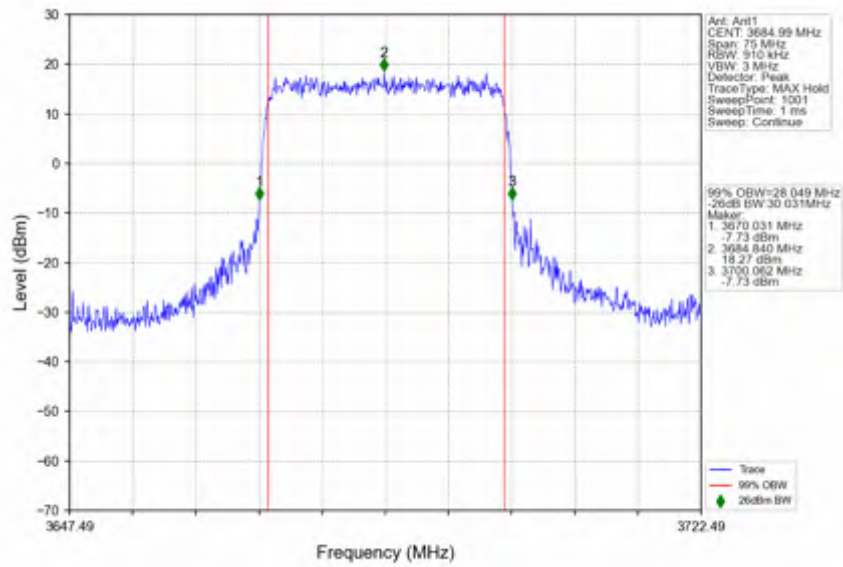
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_3565.02MHz_Outer_Full



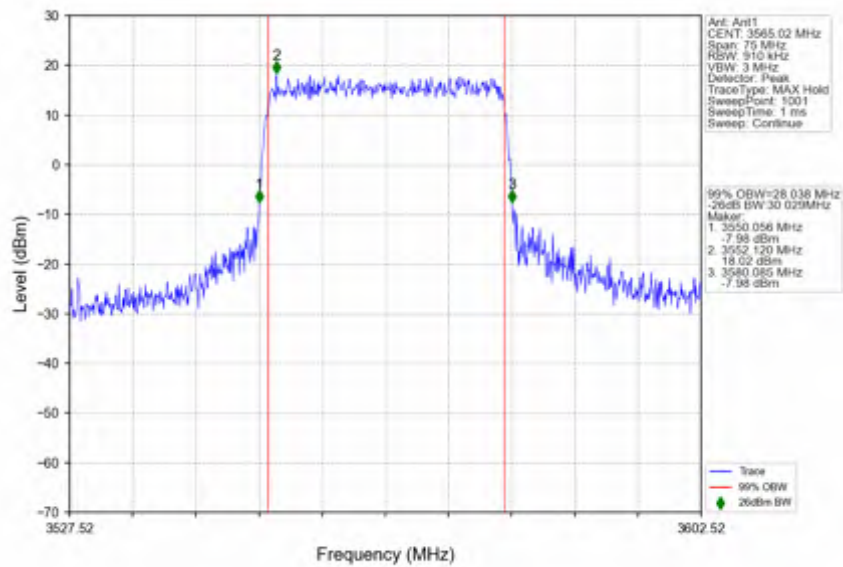
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



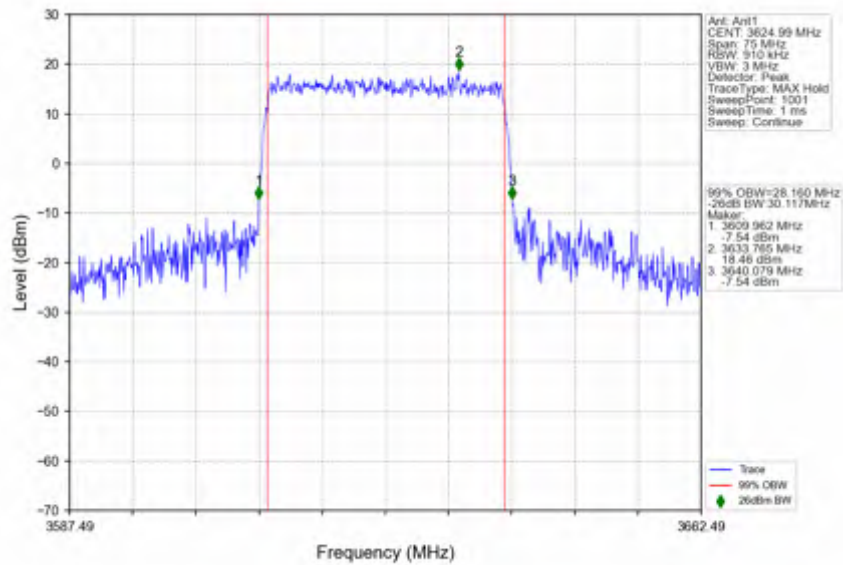
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_3684.99MHz_Outer_Full



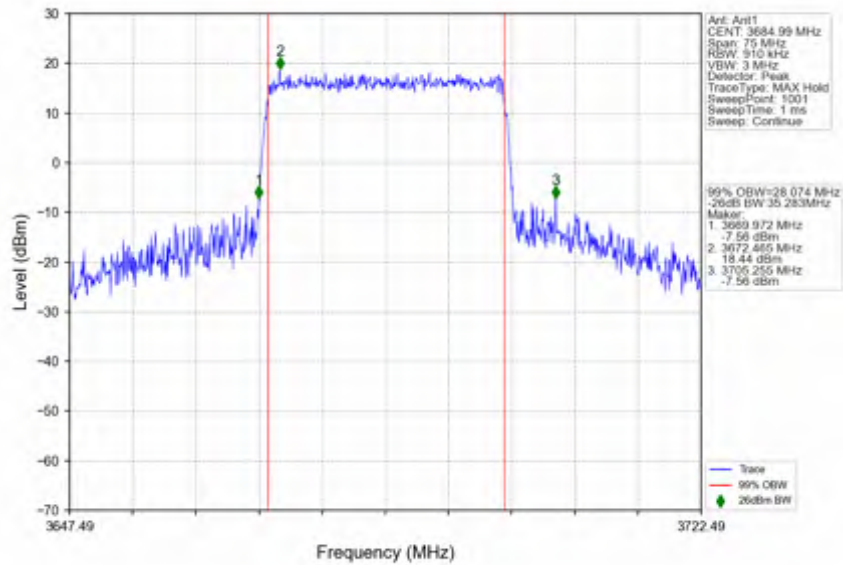
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3565.02MHz_Outer_Full



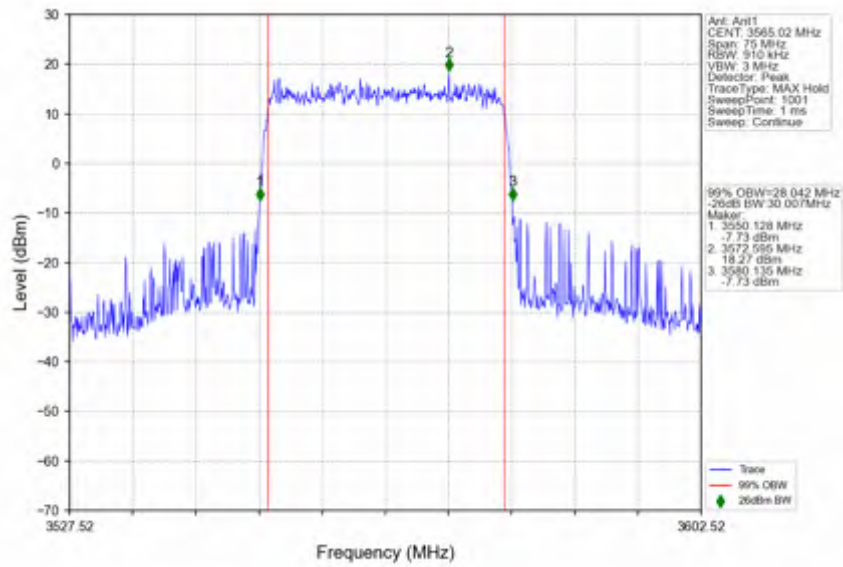
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



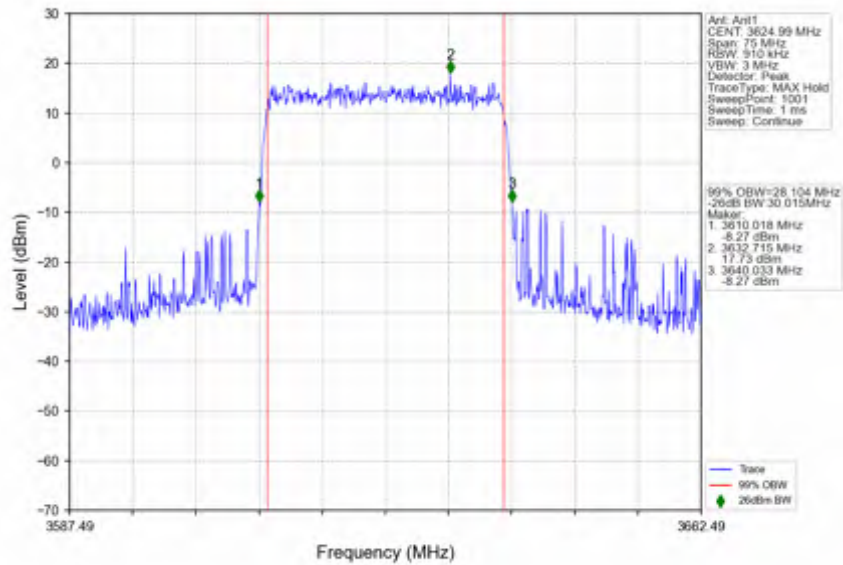
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3684.99MHz_Outer_Full



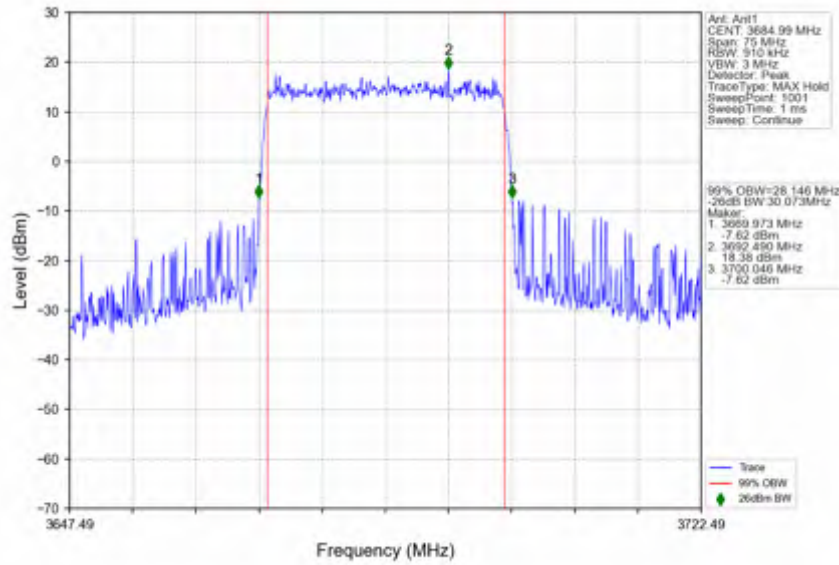
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3565.02MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3684.99MHz_Outer_Full





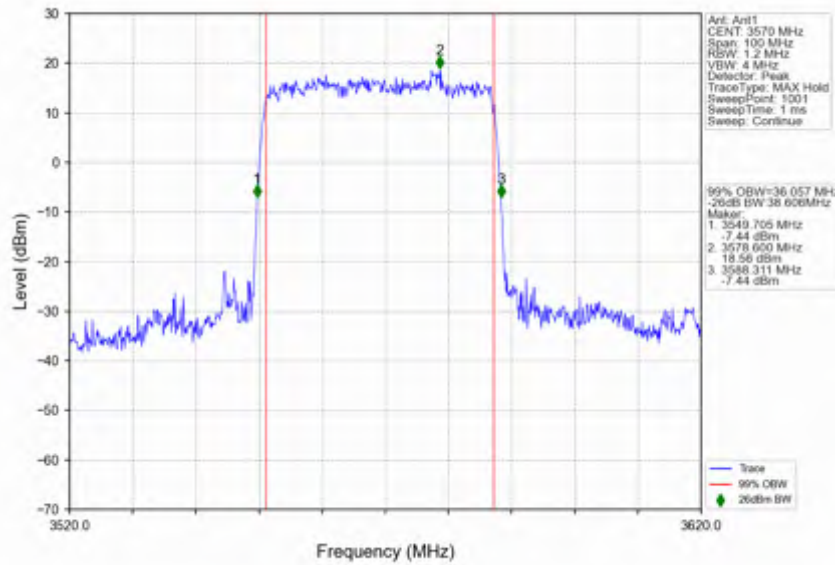
4.3 30k_SISO_40MHz_NTNV

4.3.1 Test Result

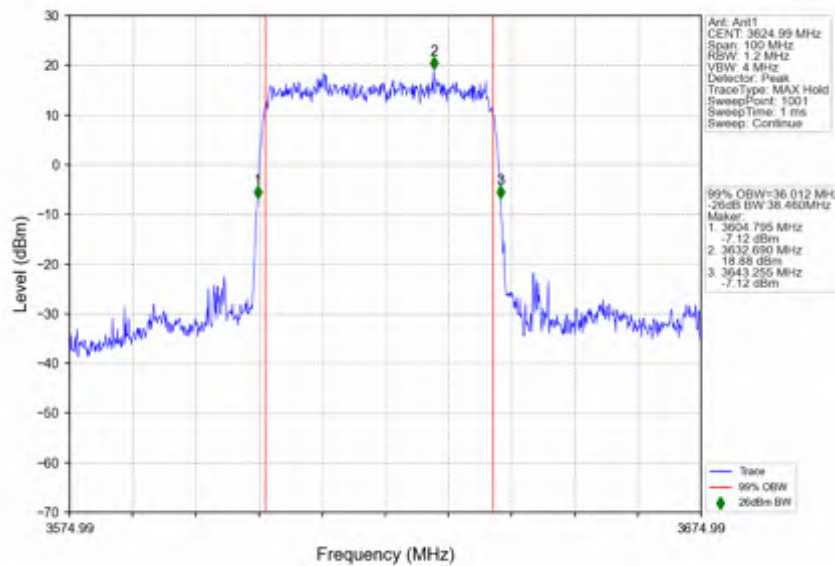
5G NR n78(3550-3700MHz) SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3570	Outer_Full	36.06	38.61	/	Pass
	3624.99	Outer_Full	36.01	38.46	/	Pass
	3679.98	Outer_Full	35.90	38.57	/	Pass
DFT-s-OFDM QPSK	3570	Outer_Full	36.11	38.62	/	Pass
	3624.99	Outer_Full	36.06	38.66	/	Pass
	3679.98	Outer_Full	36.04	38.76	/	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	36.09	38.68	/	Pass
	3624.99	Outer_Full	36.01	38.64	/	Pass
	3679.98	Outer_Full	36.05	38.59	/	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	36.03	38.55	/	Pass
	3624.99	Outer_Full	36.02	38.48	/	Pass
	3679.98	Outer_Full	36.04	38.63	/	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	35.97	38.70	/	Pass
	3624.99	Outer_Full	35.95	38.60	/	Pass
	3679.98	Outer_Full	35.93	38.70	/	Pass
CP-OFDM QPSK	3570	Outer_Full	38.10	40.58	/	Pass
	3624.99	Outer_Full	38.21	40.64	/	Pass
	3679.98	Outer_Full	38.14	40.76	/	Pass
CP-OFDM 16 QAM	3570	Outer_Full	37.97	40.76	/	Pass
	3624.99	Outer_Full	38.20	40.58	/	Pass
	3679.98	Outer_Full	38.09	40.85	/	Pass
CP-OFDM 64 QAM	3570	Outer_Full	38.12	40.68	/	Pass
	3624.99	Outer_Full	38.04	40.62	/	Pass
	3679.98	Outer_Full	38.05	40.64	/	Pass
CP-OFDM 256 QAM	3570	Outer_Full	38.17	40.76	/	Pass
	3624.99	Outer_Full	38.16	40.74	/	Pass
	3679.98	Outer_Full	38.09	40.71	/	Pass

4.3.2 Test Graph

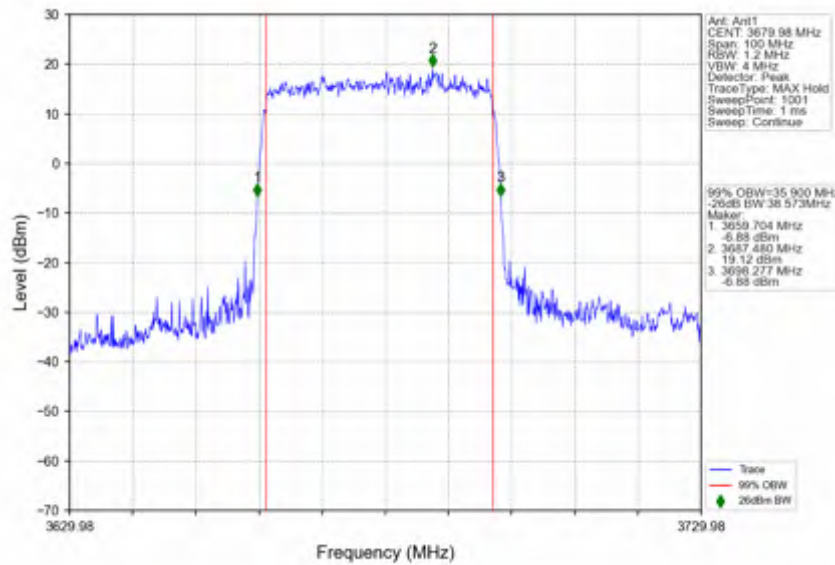
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3570MHz_Outer_Full



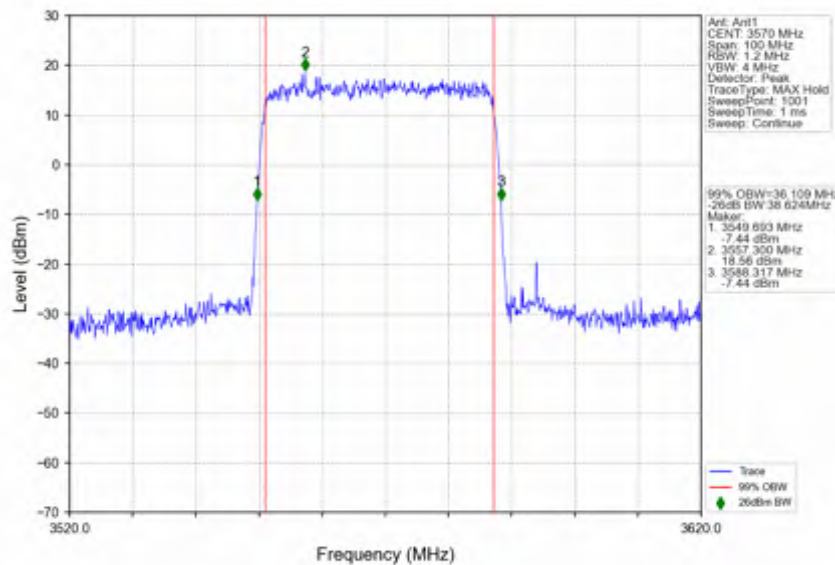
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



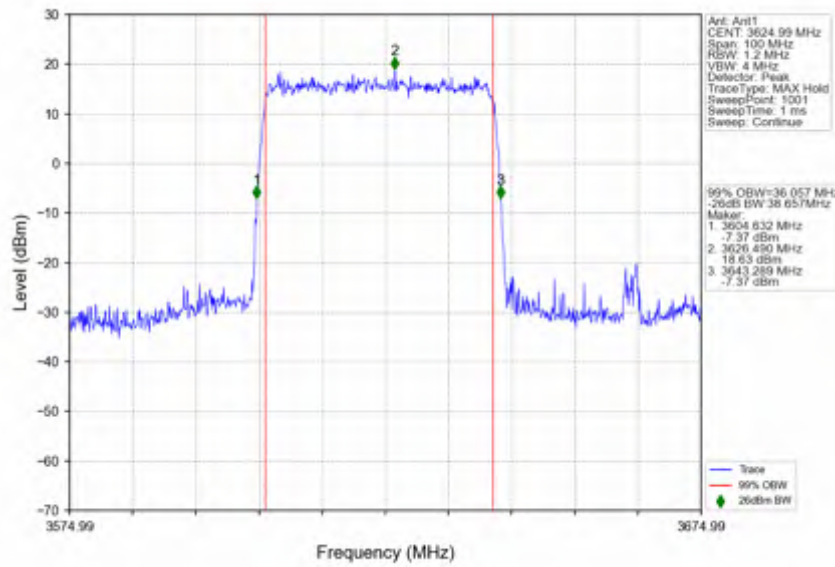
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3679.98MHz_Outer_Full



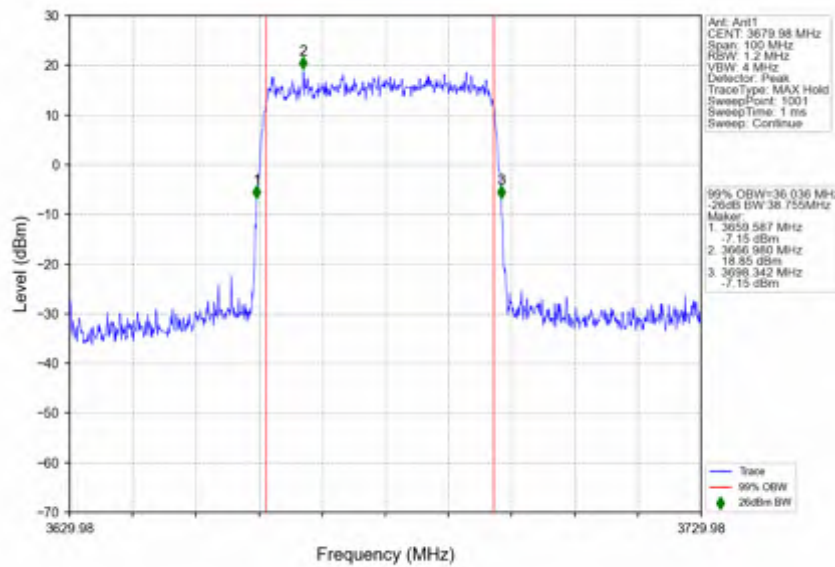
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3570MHz_Outer_Full



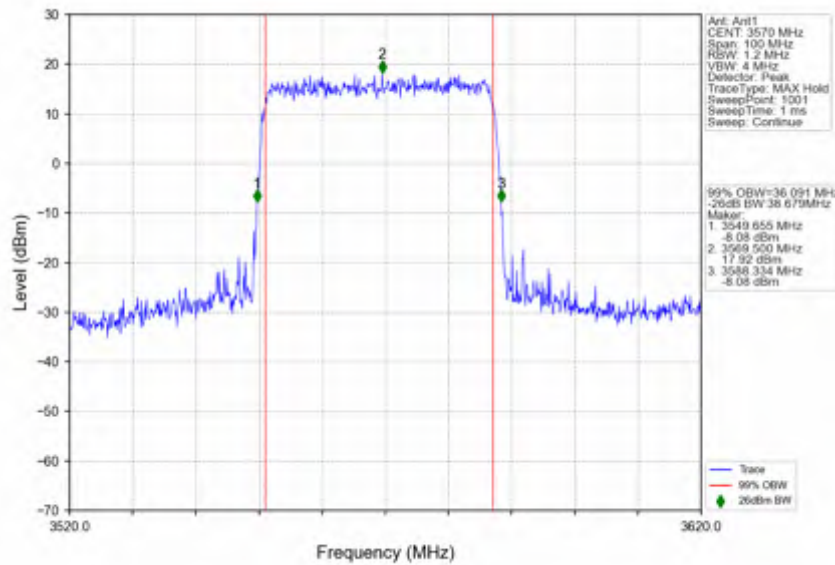
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



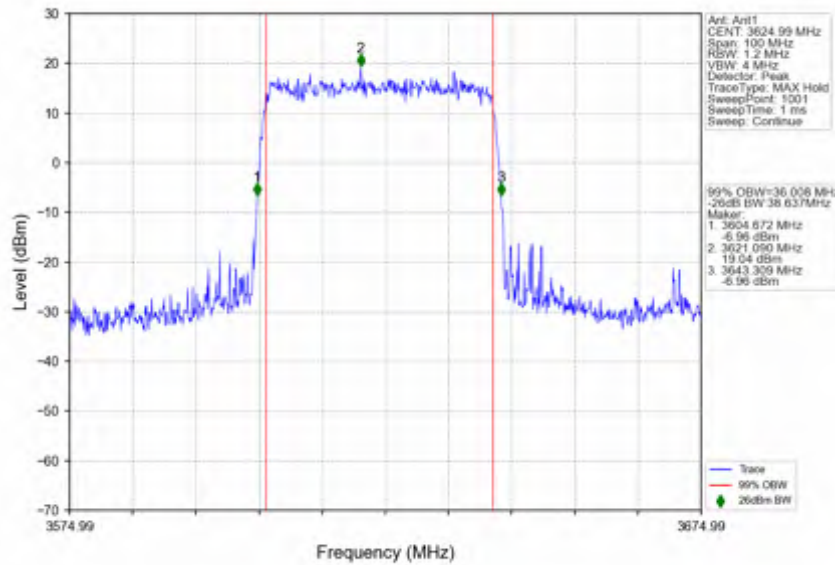
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3679.98MHz_Outer_Full



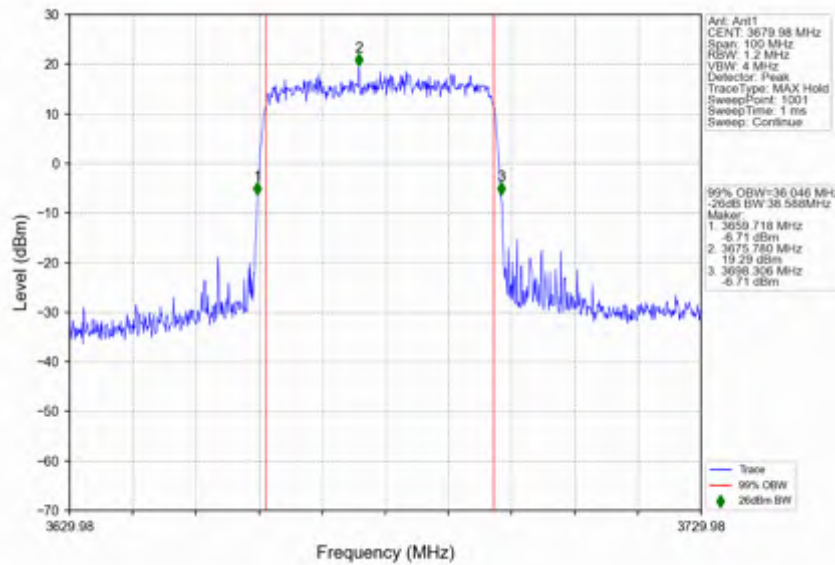
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3570MHz_Outer_Full



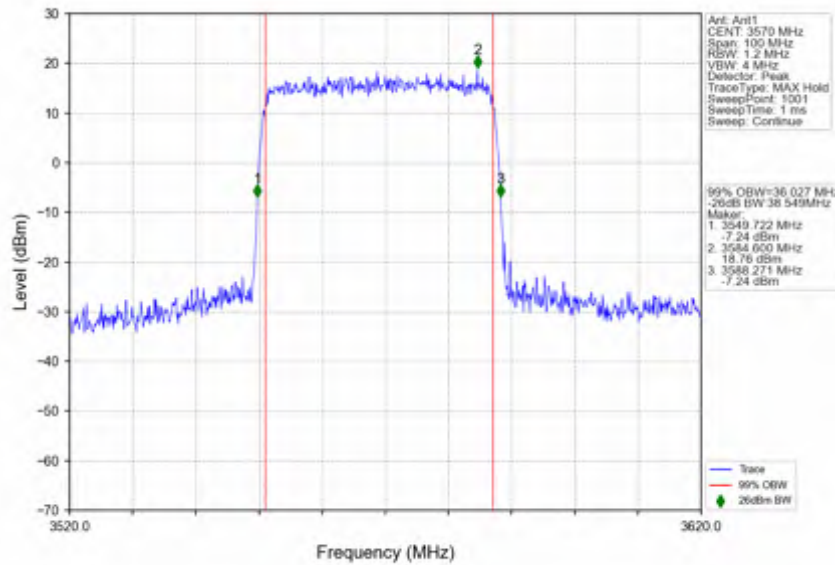
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



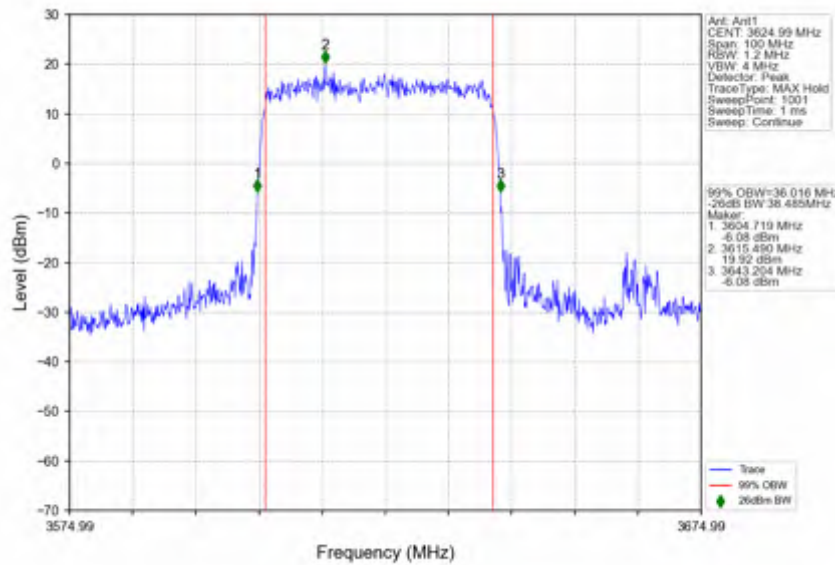
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3679.98MHz_Outer_Full



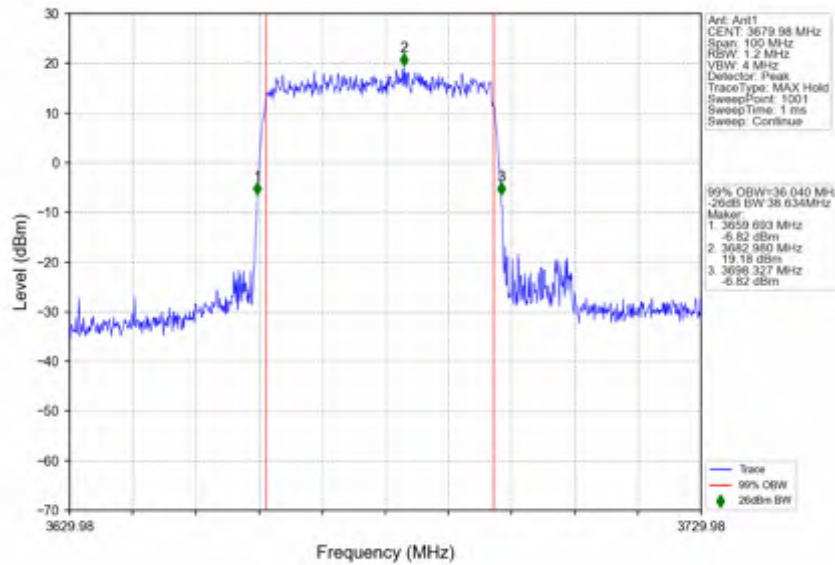
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3570MHz_Outer_Full



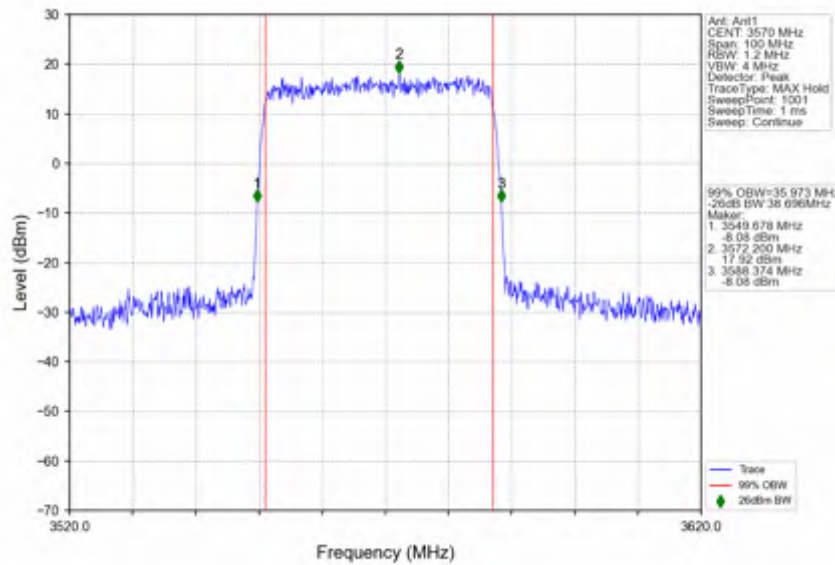
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



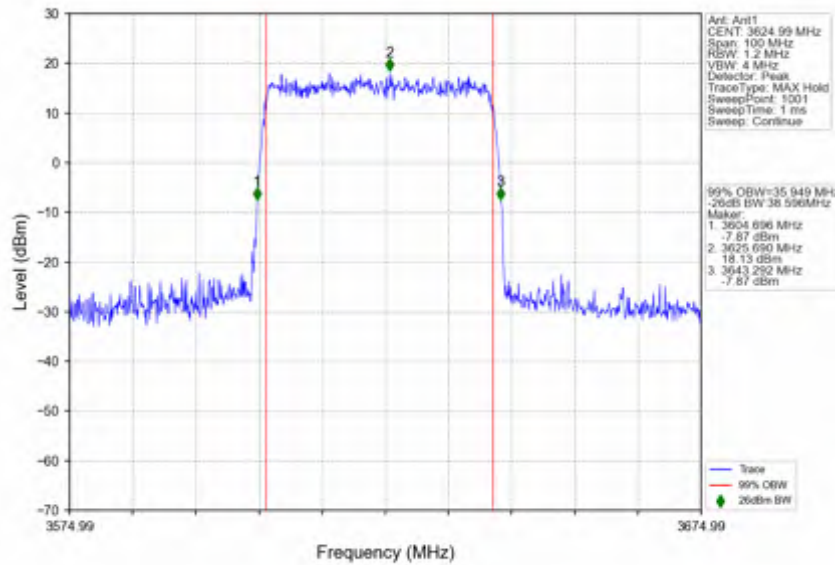
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3679.98MHz_Outer_Full



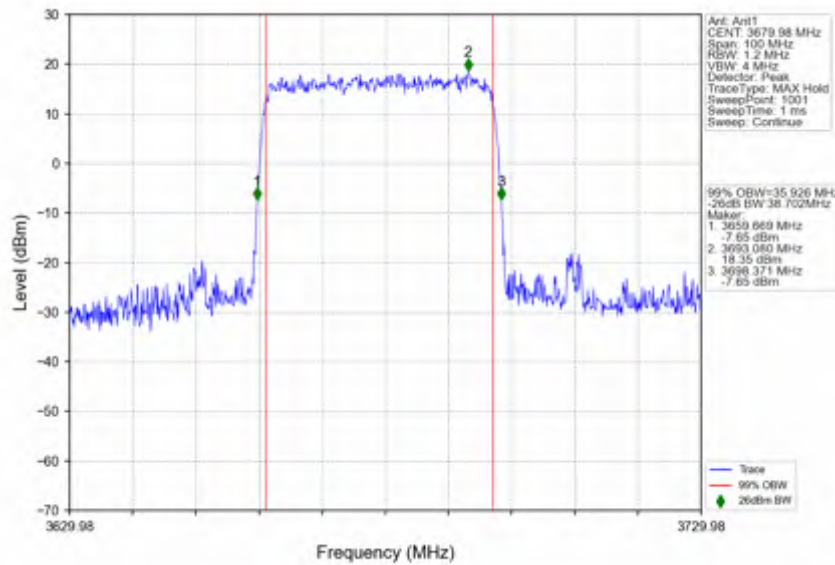
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3570MHz_Outer_Full



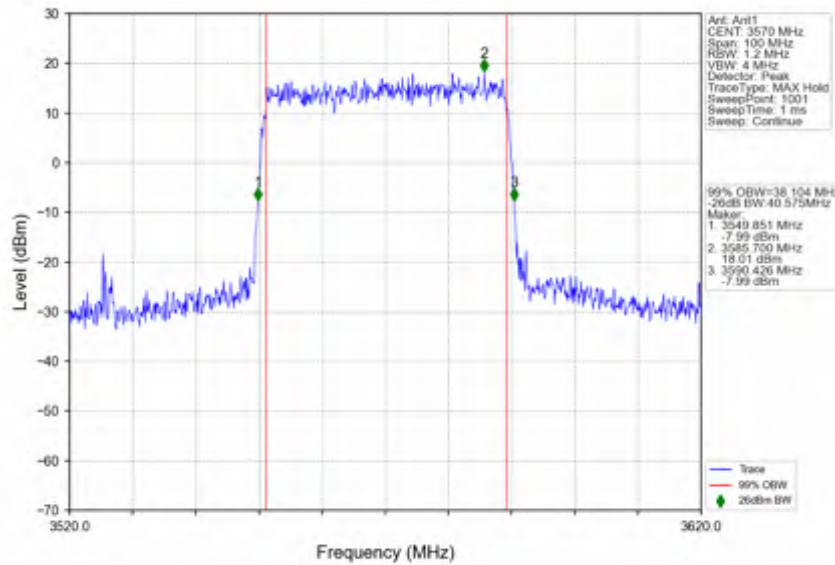
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full



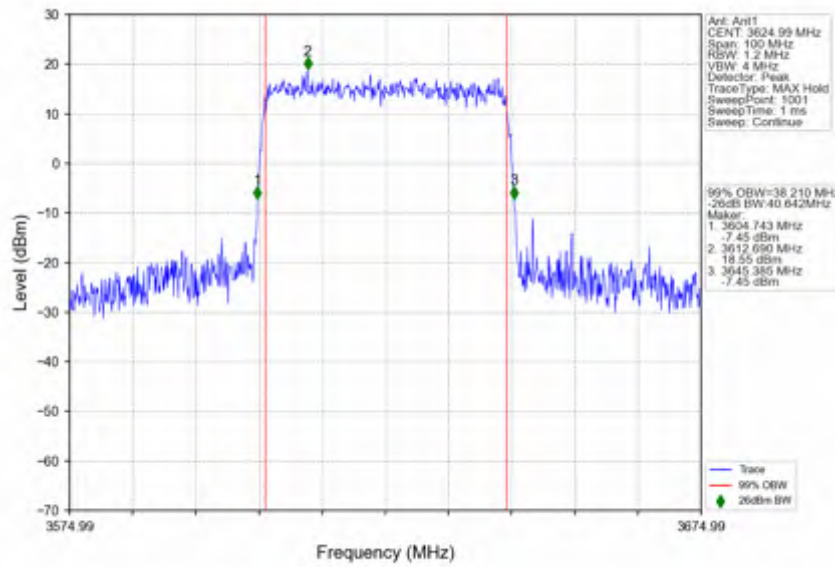
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3679.98MHz_Outer_Full



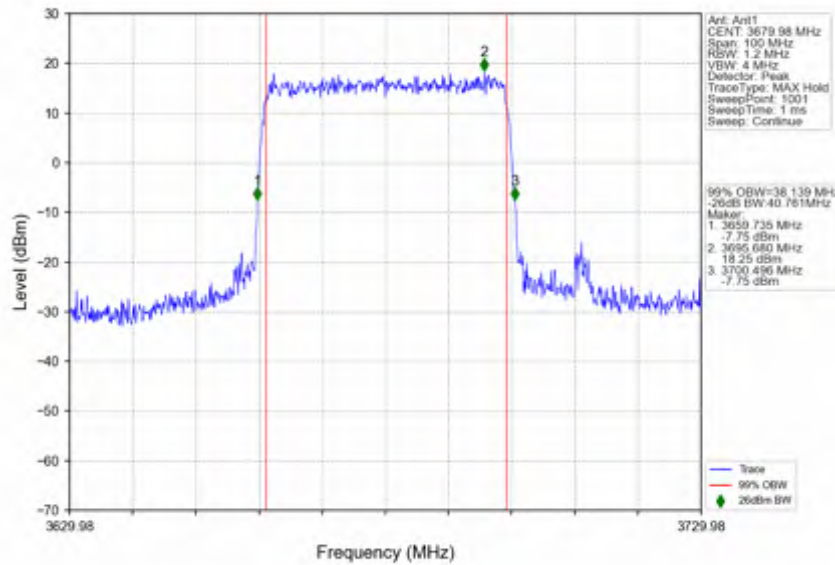
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Outer_Full



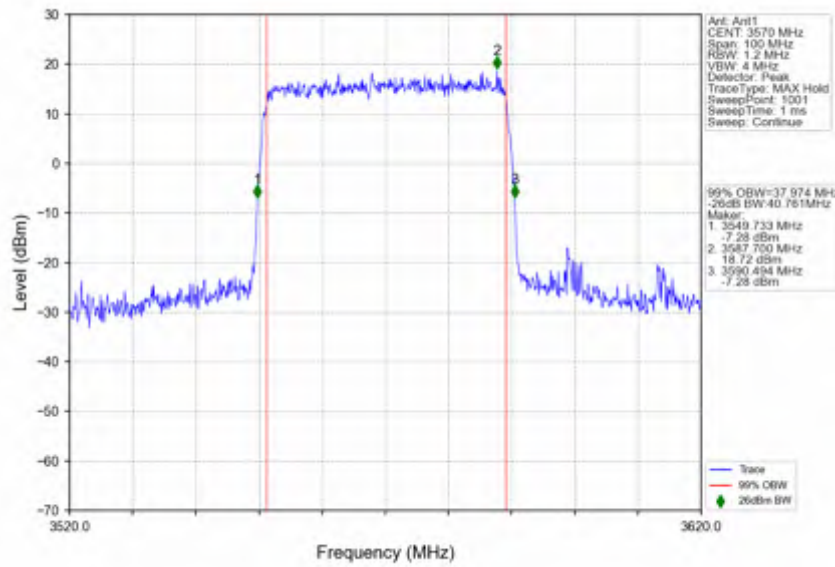
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



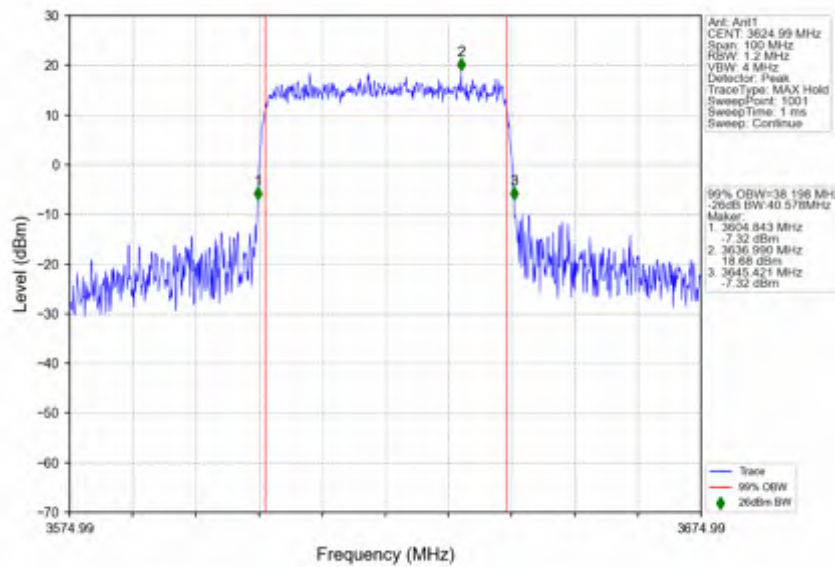
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Outer_Full



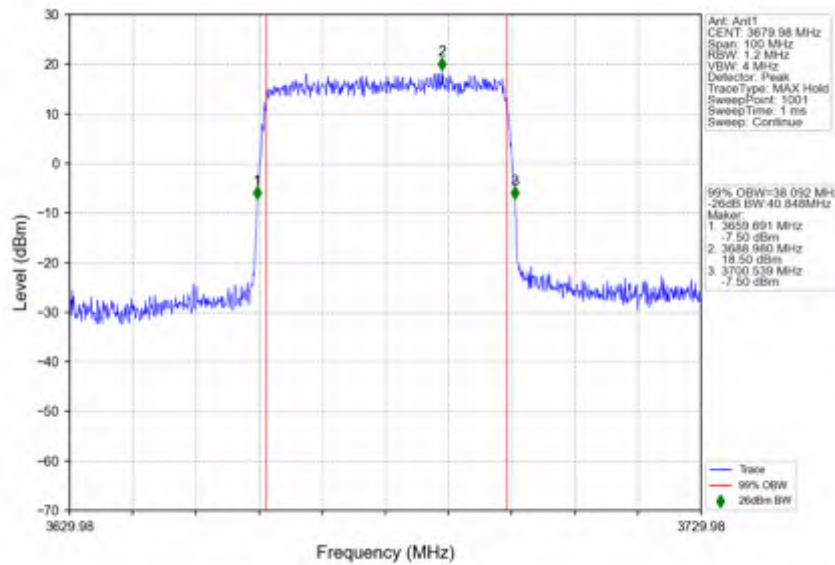
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3570MHz_Outer_Full



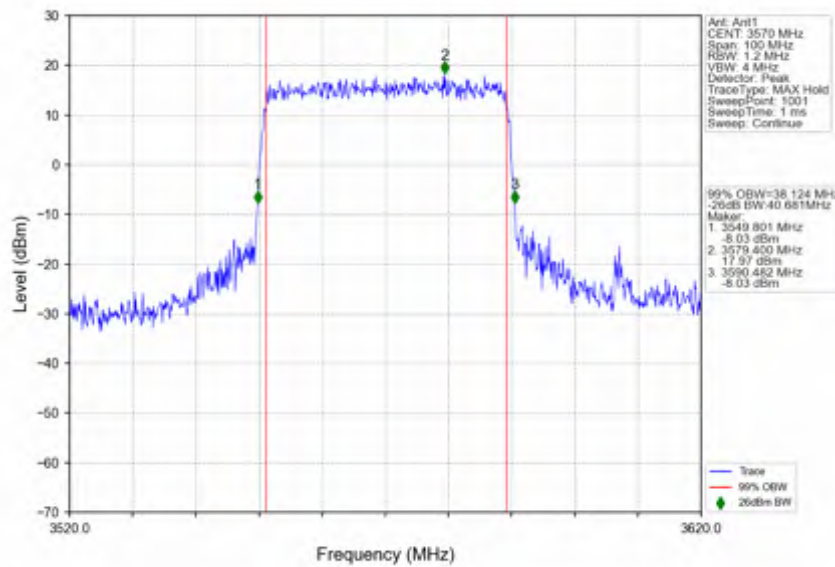
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



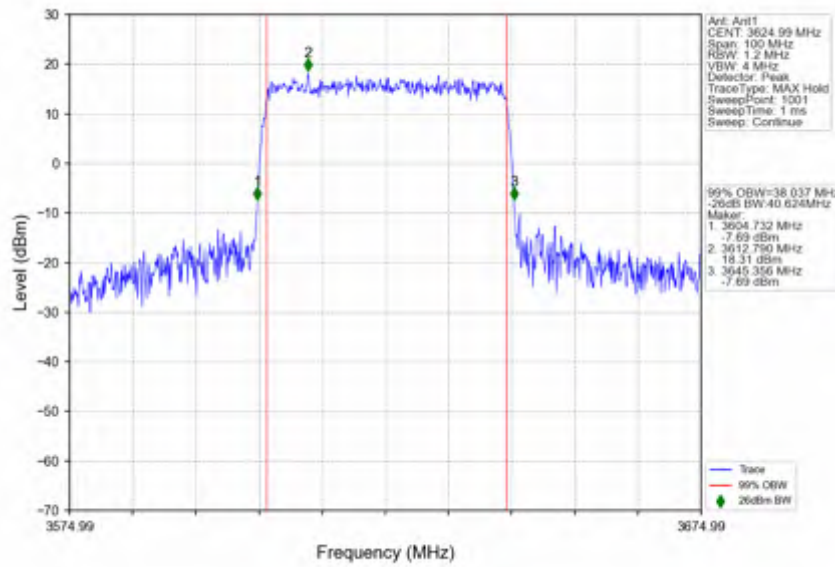
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3679.98MHz_Outer_Full



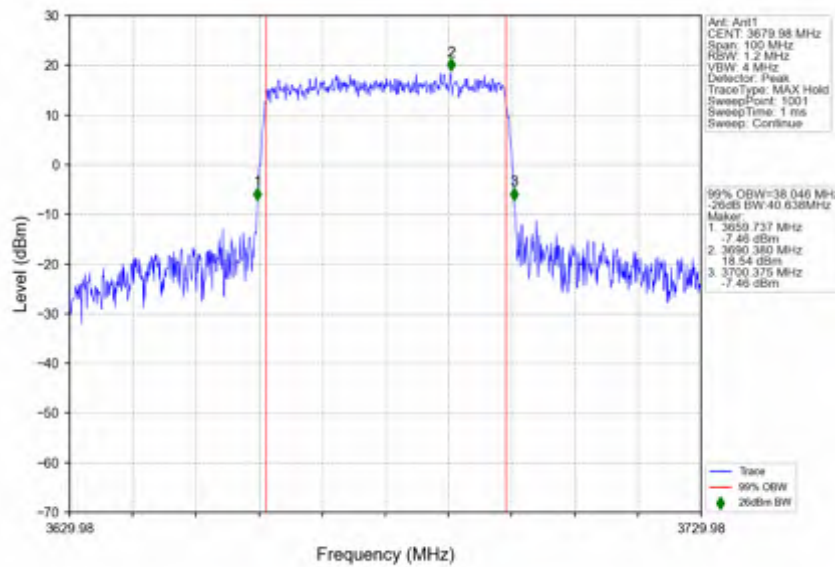
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3570MHz_Outer_Full



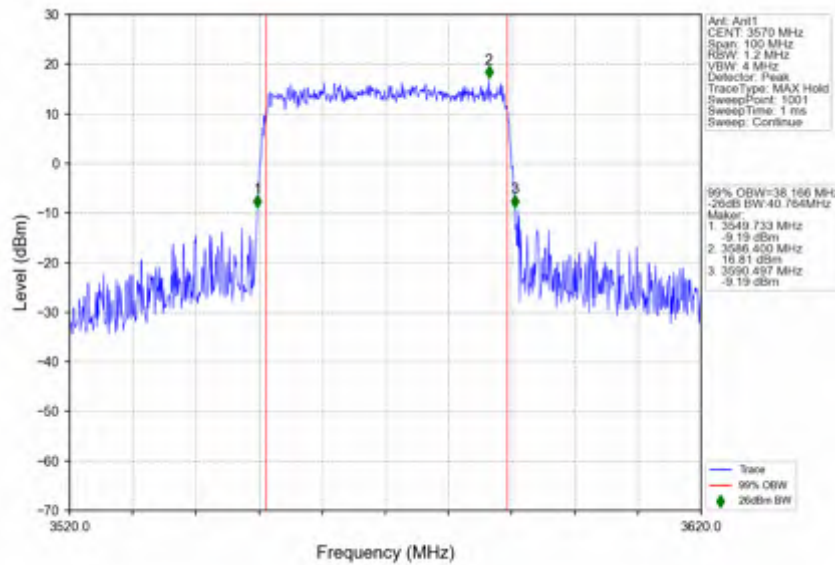
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



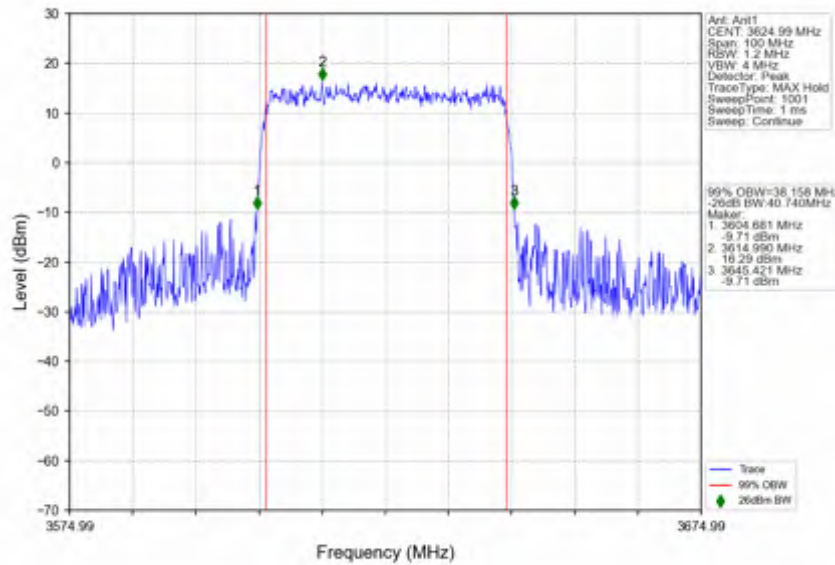
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3679.98MHz_Outer_Full



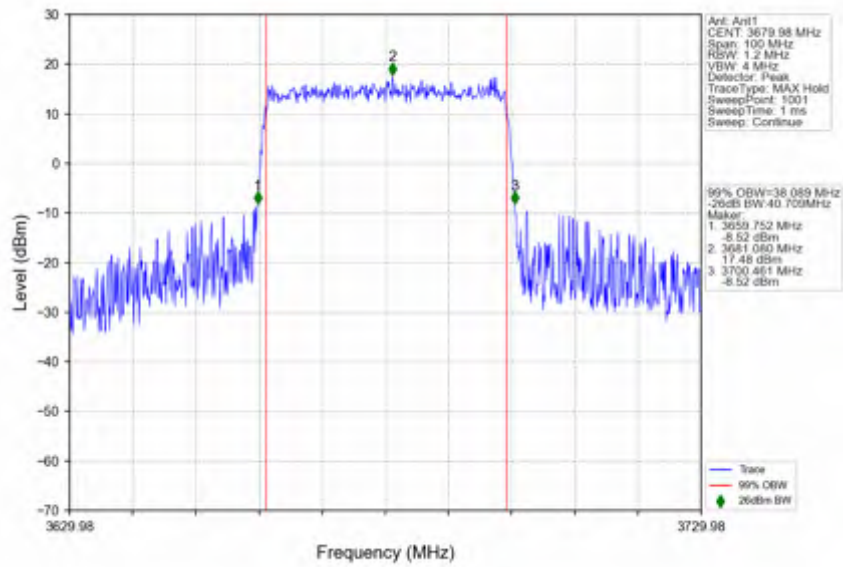
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3570MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3679.98MHz_Outer_Full



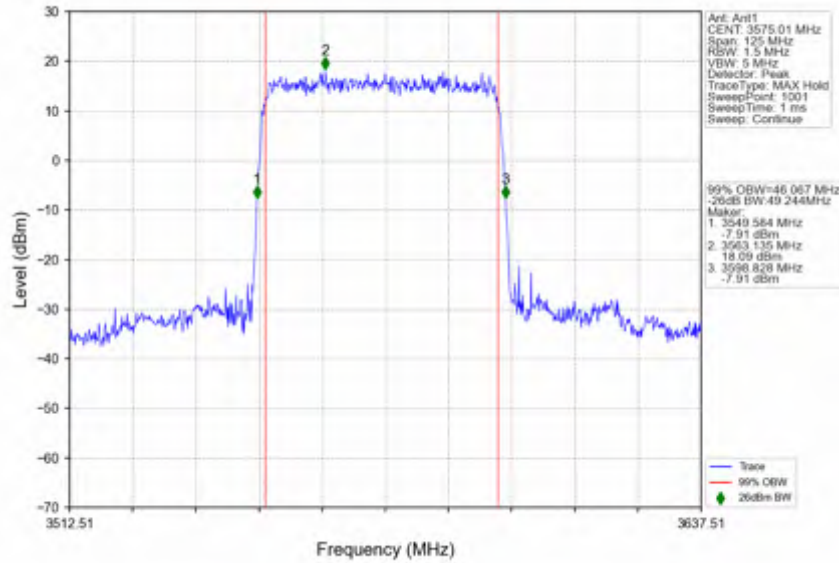
4.4 30k_SISO_50MHz_NTNV

4.4.1 Test Result

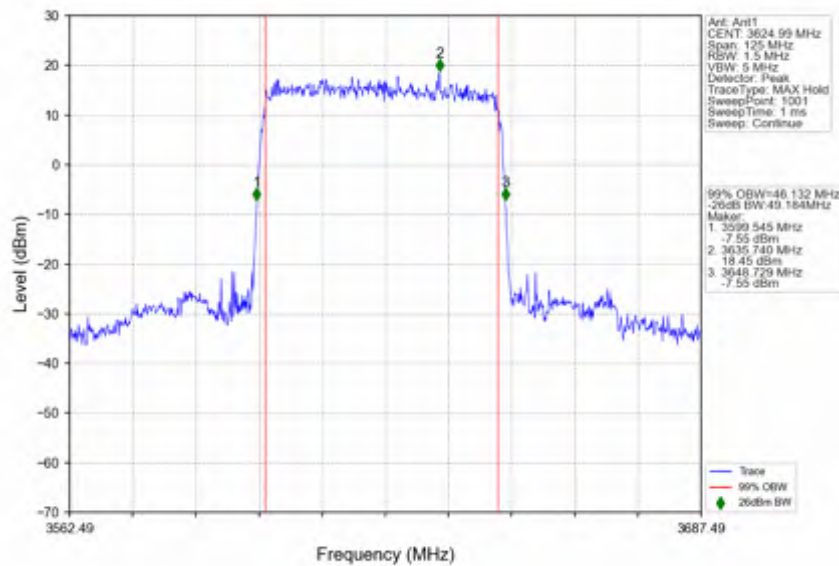
5G NR n78(3550-3700MHz) SCS=30kHz SISO 50MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3575.01	Outer_Full	46.07	49.24	/	Pass
	3624.99	Outer_Full	46.13	49.18	/	Pass
	3675	Outer_Full	46.13	49.22	/	Pass
DFT-s-OFDM QPSK	3575.01	Outer_Full	45.87	49.27	/	Pass
	3624.99	Outer_Full	46.11	49.20	/	Pass
	3675	Outer_Full	46.06	49.27	/	Pass
DFT-s-OFDM 16 QAM	3575.01	Outer_Full	46.09	49.31	/	Pass
	3624.99	Outer_Full	46.28	49.29	/	Pass
	3675	Outer_Full	46.06	49.16	/	Pass
DFT-s-OFDM 64 QAM	3575.01	Outer_Full	46.13	49.25	/	Pass
	3624.99	Outer_Full	45.97	49.34	/	Pass
	3675	Outer_Full	46.08	49.27	/	Pass
DFT-s-OFDM 256 QAM	3575.01	Outer_Full	46.23	49.35	/	Pass
	3624.99	Outer_Full	45.85	49.17	/	Pass
	3675	Outer_Full	46.06	49.33	/	Pass
CP-OFDM QPSK	3575.01	Outer_Full	47.78	51.10	/	Pass
	3624.99	Outer_Full	47.91	51.04	/	Pass
	3675	Outer_Full	47.91	51.08	/	Pass
CP-OFDM 16 QAM	3575.01	Outer_Full	47.90	50.90	/	Pass
	3624.99	Outer_Full	47.85	50.94	/	Pass
	3675	Outer_Full	47.62	50.98	/	Pass
CP-OFDM 64 QAM	3575.01	Outer_Full	47.99	51.03	/	Pass
	3624.99	Outer_Full	47.90	51.05	/	Pass
	3675	Outer_Full	47.90	51.00	/	Pass
CP-OFDM 256 QAM	3575.01	Outer_Full	47.88	51.14	/	Pass
	3624.99	Outer_Full	47.94	51.15	/	Pass
	3675	Outer_Full	47.88	50.96	/	Pass

4.4.2 Test Graph

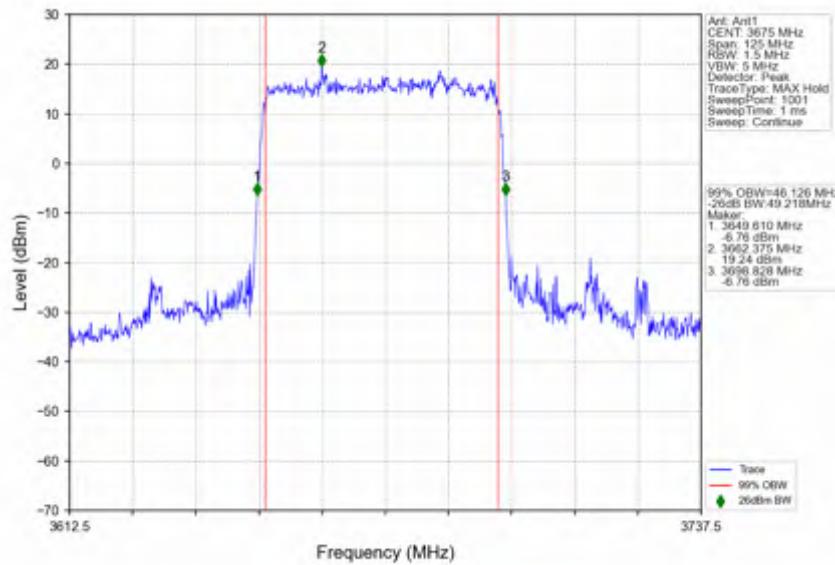
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3575.01MHz_Outer_Full



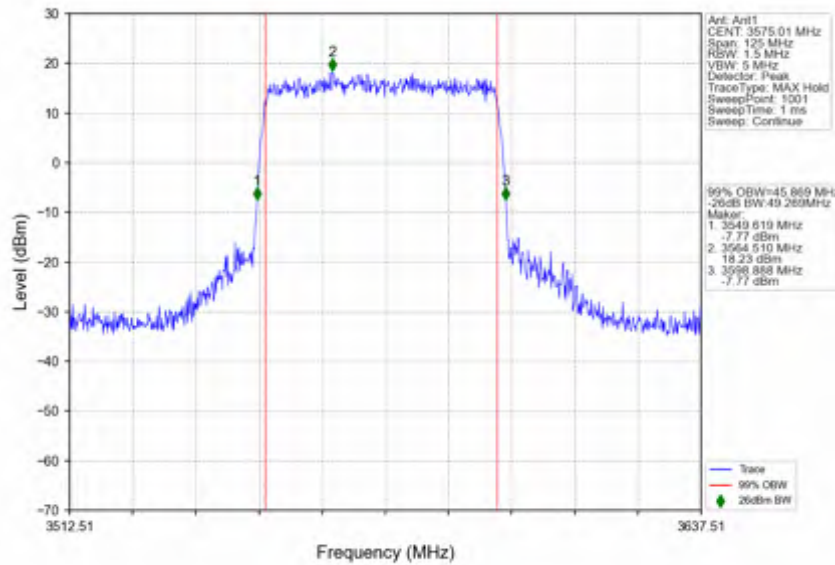
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



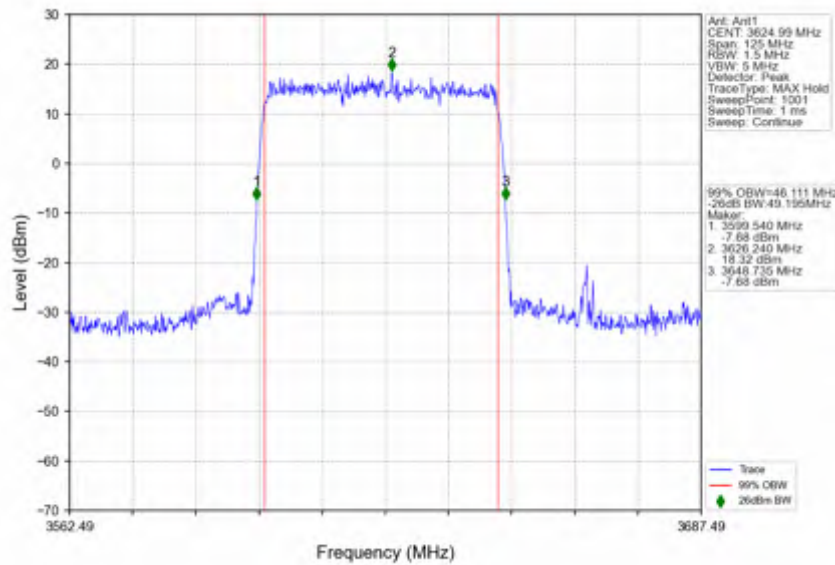
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3675MHz_Outer_Full



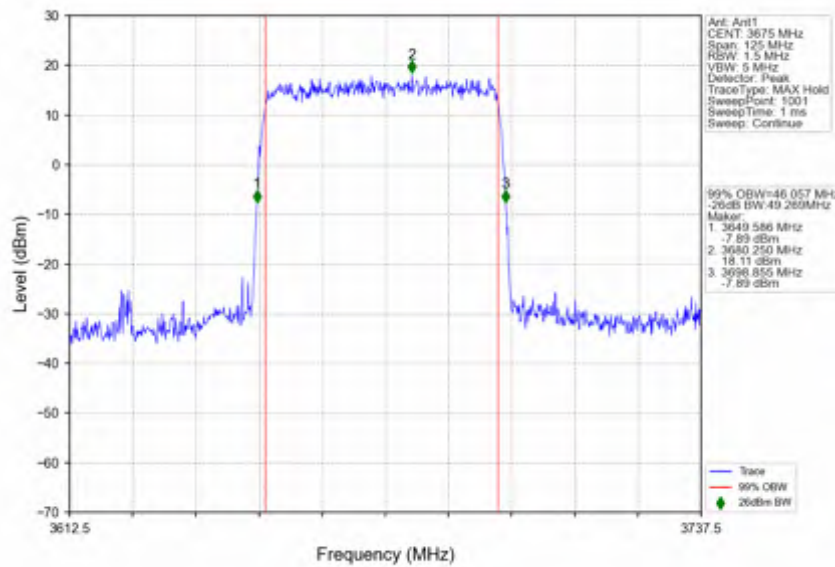
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3575.01MHz_Outer_Full



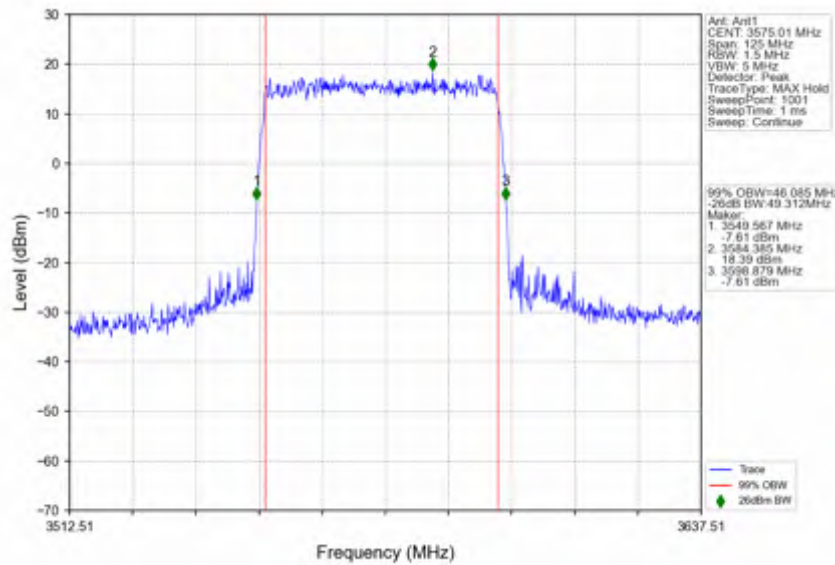
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



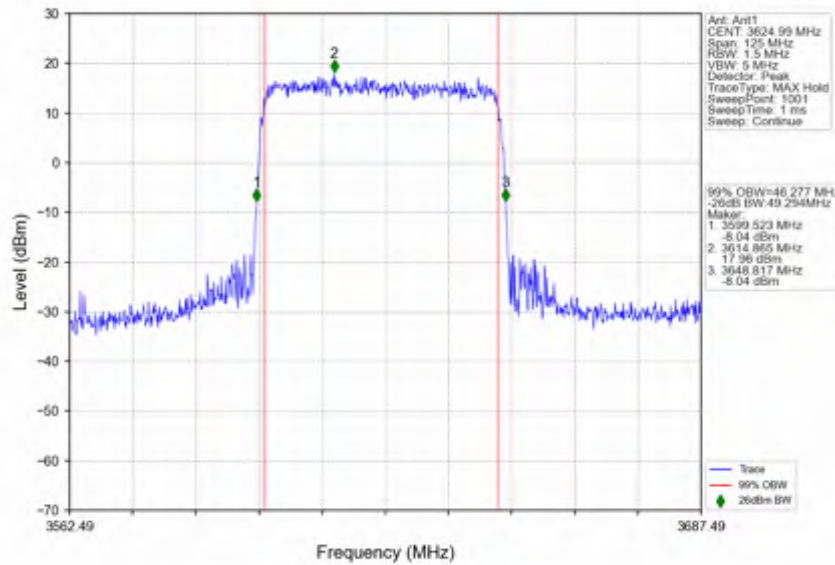
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3675MHz_Outer_Full



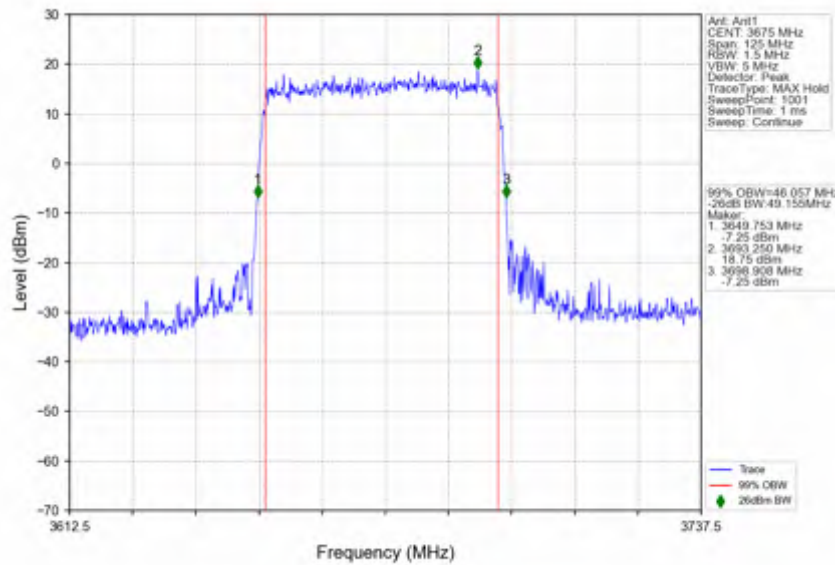
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3575.01MHz_Outer_Full



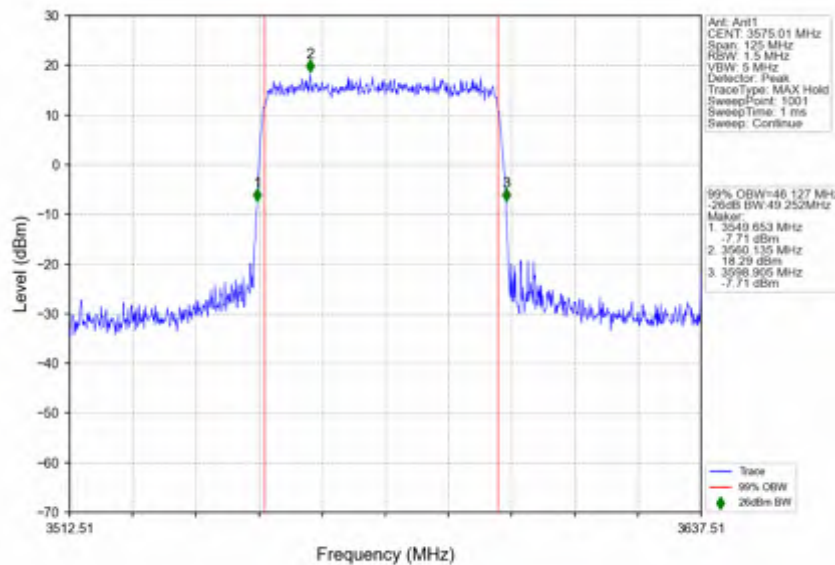
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



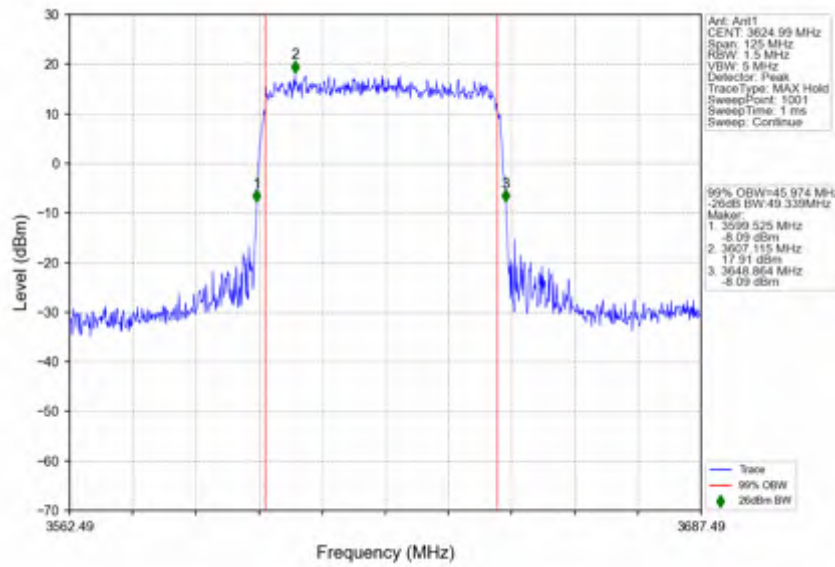
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3675MHz_Outer_Full



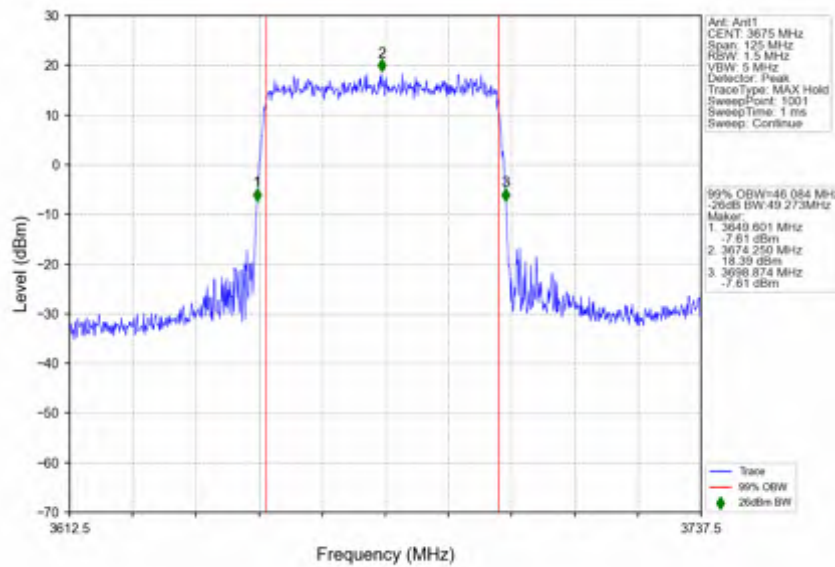
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3575.01MHz_Outer_Full



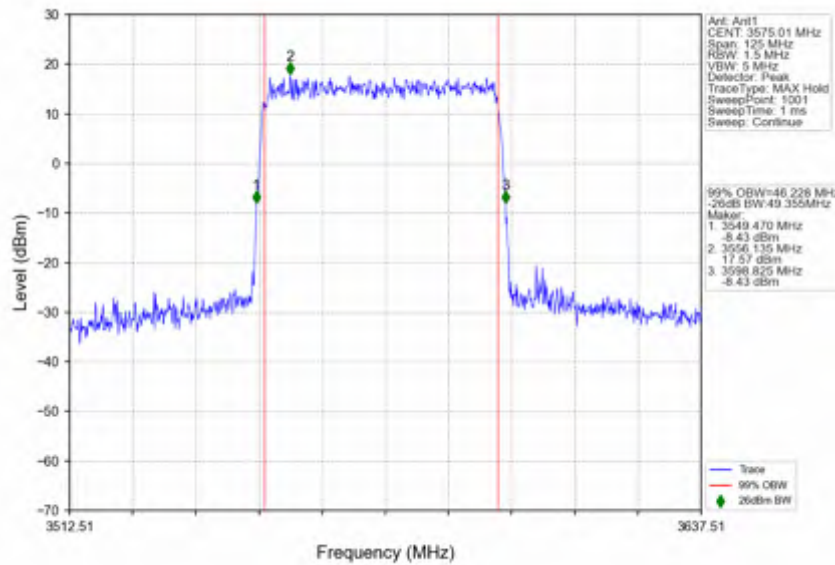
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



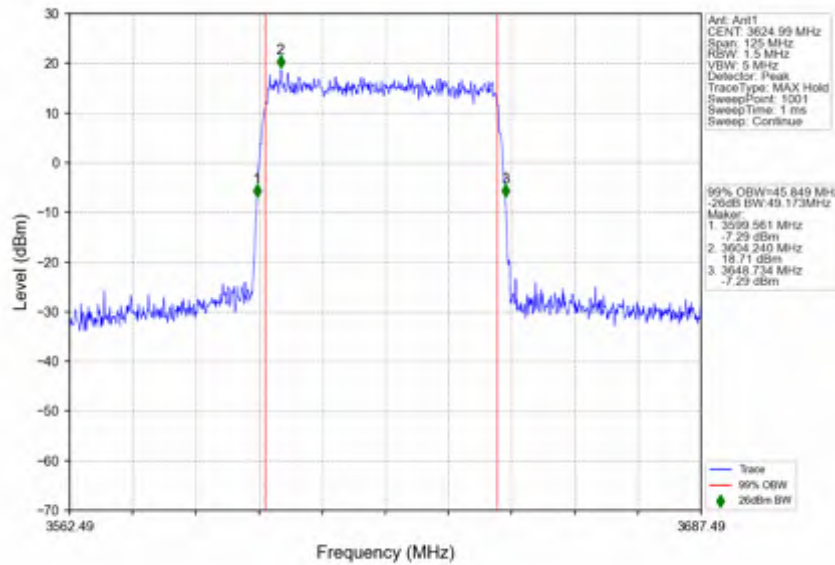
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3675MHz_Outer_Full



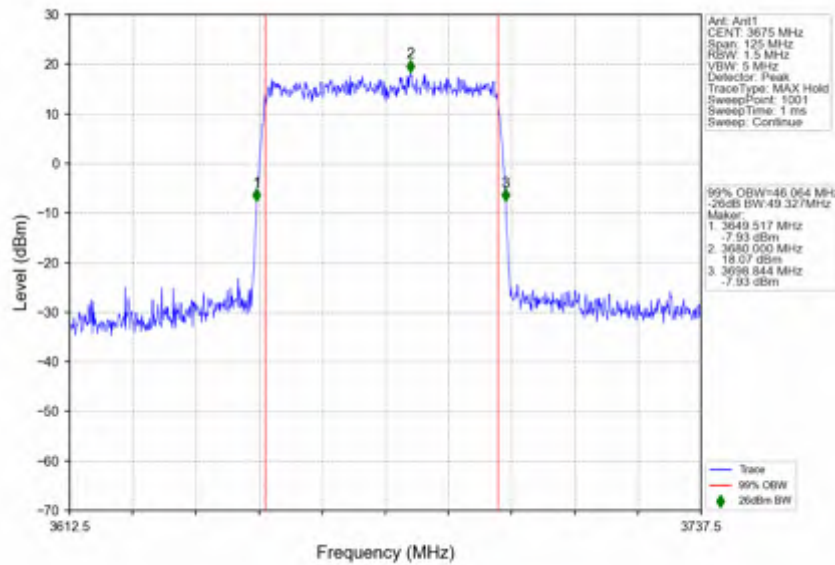
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 256 QAM_3575.01MHz_Outer_Full



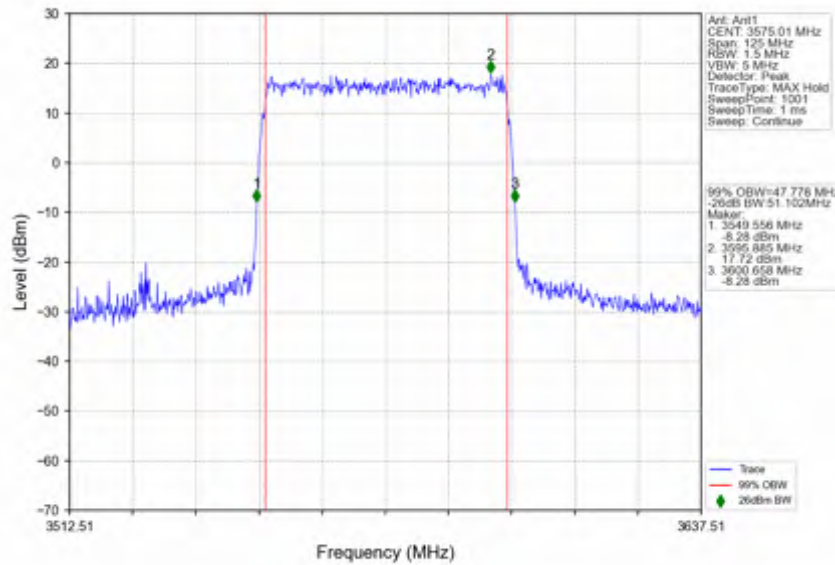
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full



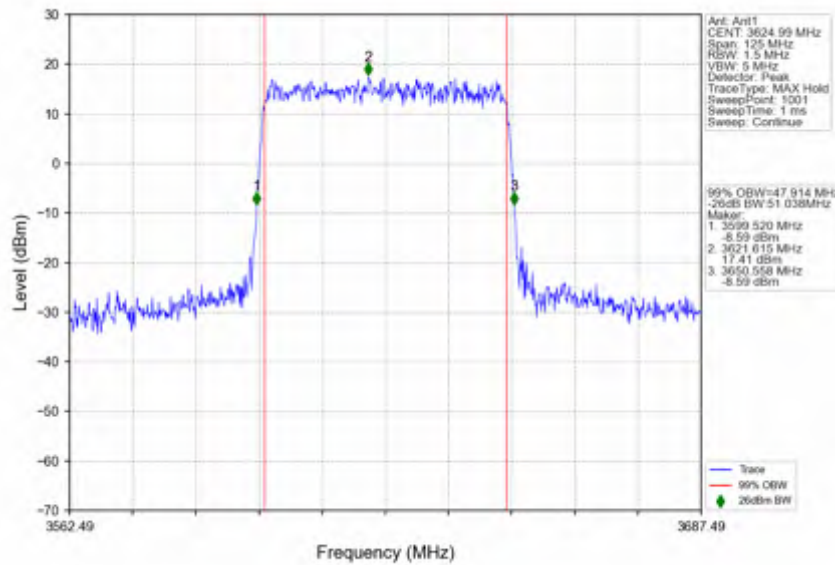
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 256 QAM_3675MHz_Outer_Full



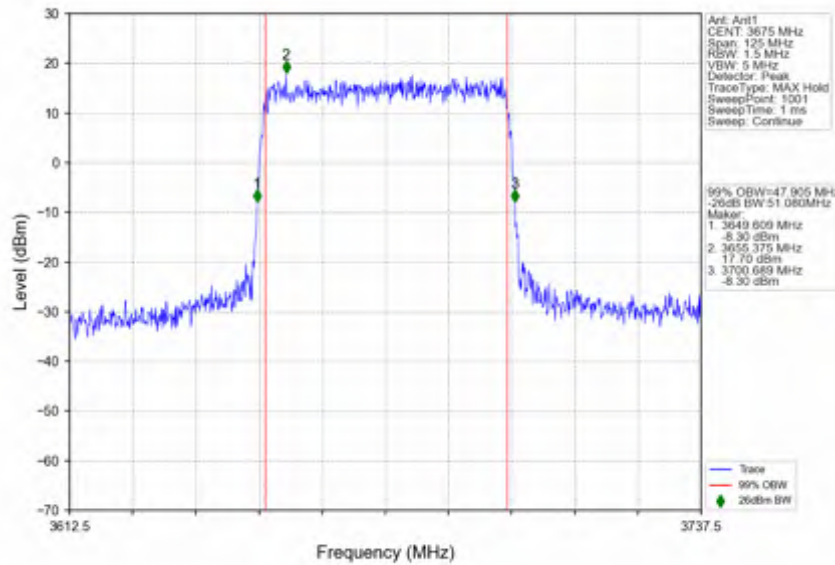
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Outer_Full



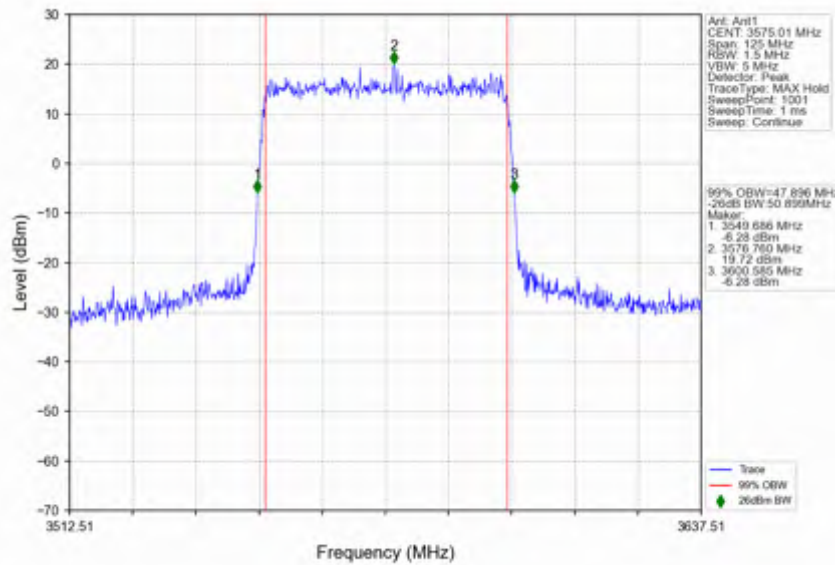
n78(3550-3700MHz)_30kHz_SISO_NTV_50MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



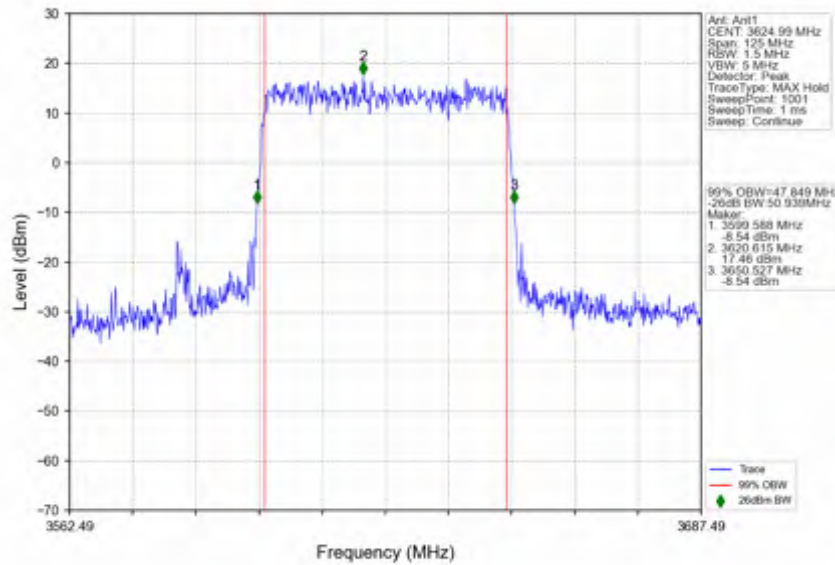
n78(3550-3700MHz)_30kHz_SISO_NTV_50MHz_CP-OFDM QPSK_3675MHz_Outer_Full



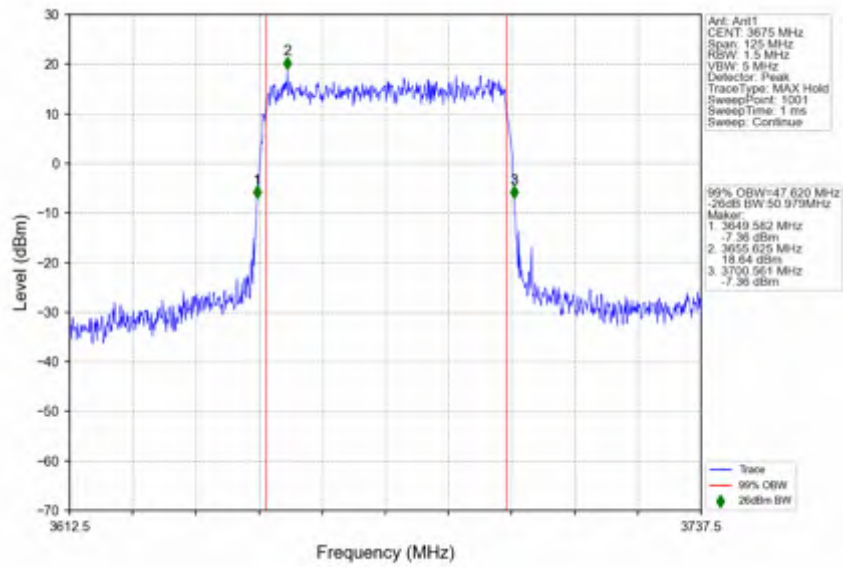
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3575.01MHz_Outer_Full



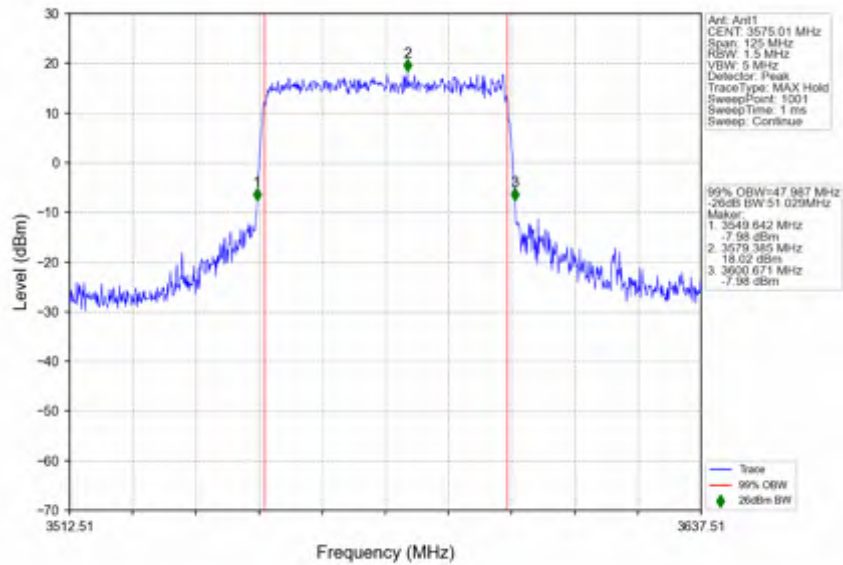
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



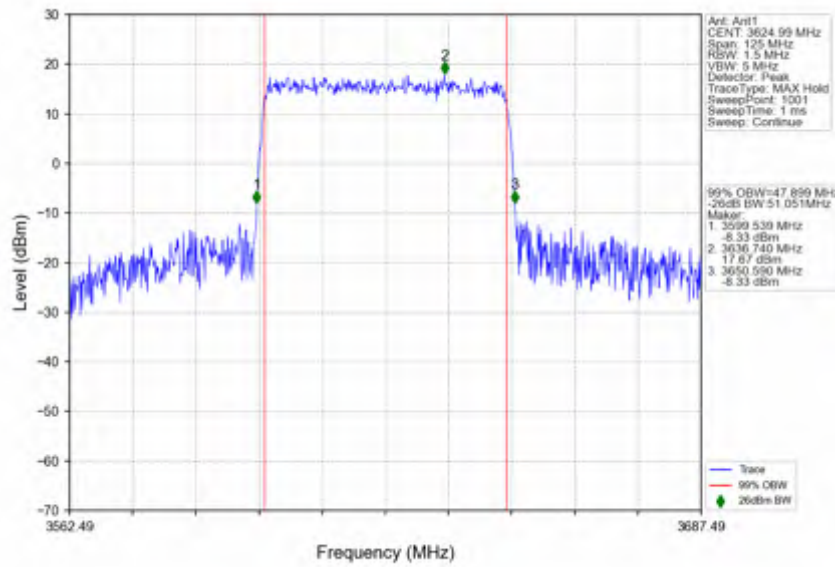
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3675MHz_Outer_Full



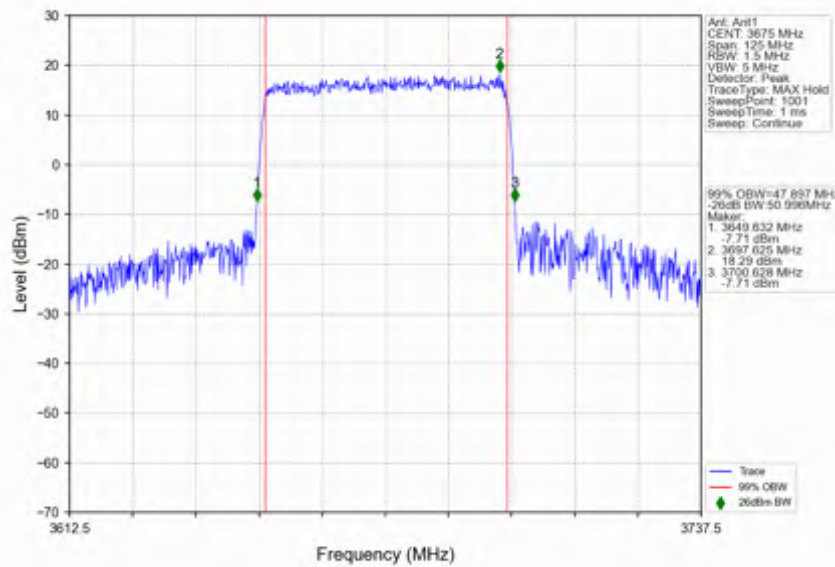
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3575.01MHz_Outer_Full



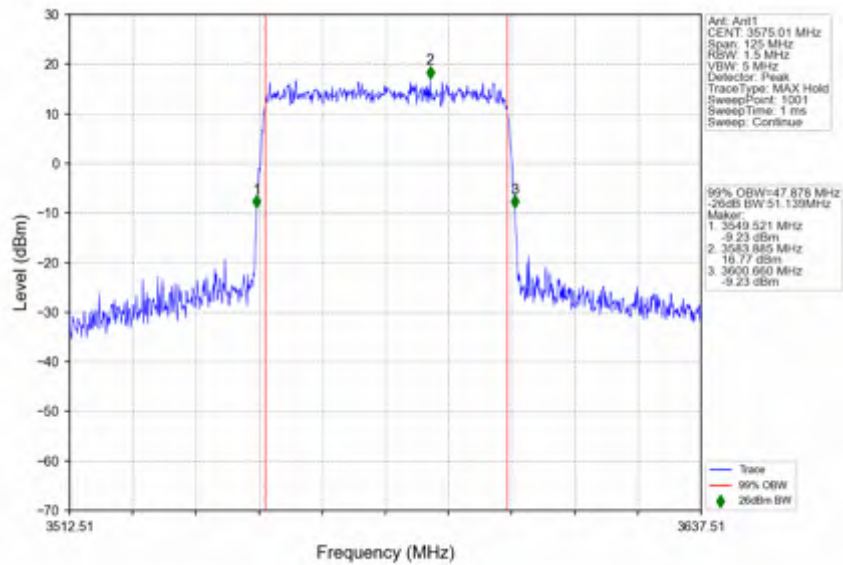
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



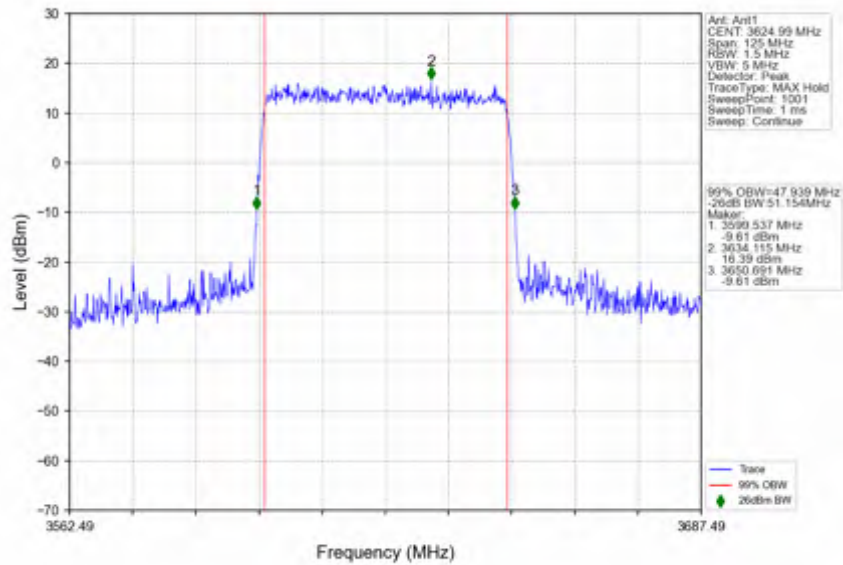
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3675MHz_Outer_Full



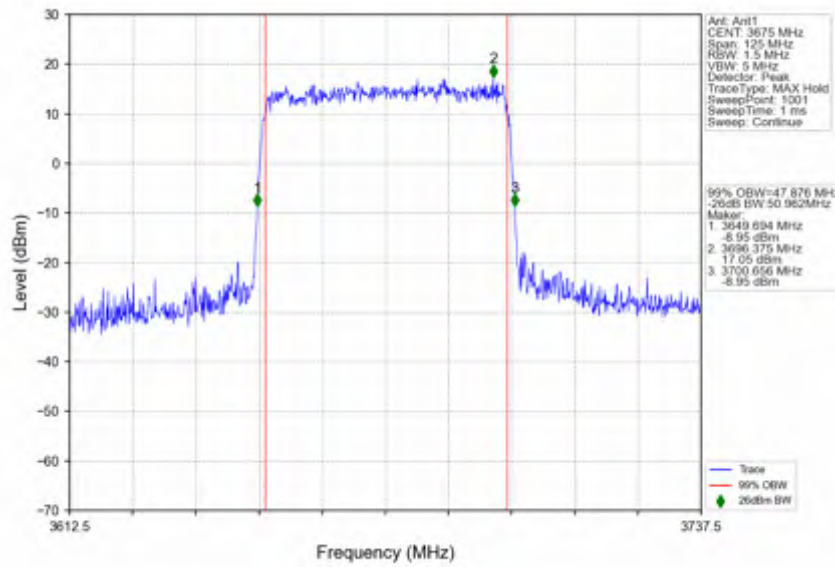
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3575.01MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3675MHz_Outer_Full





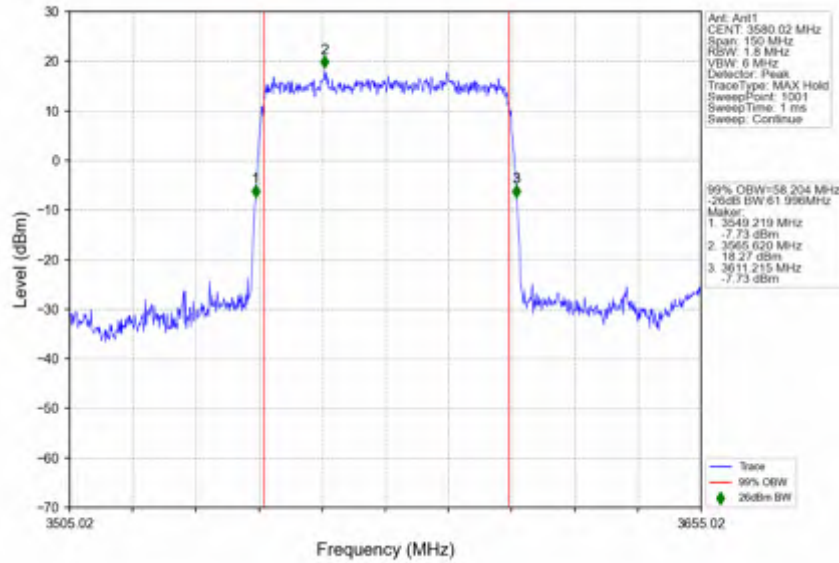
4.5 30k_SISO_60MHz_NTNV

4.5.1 Test Result

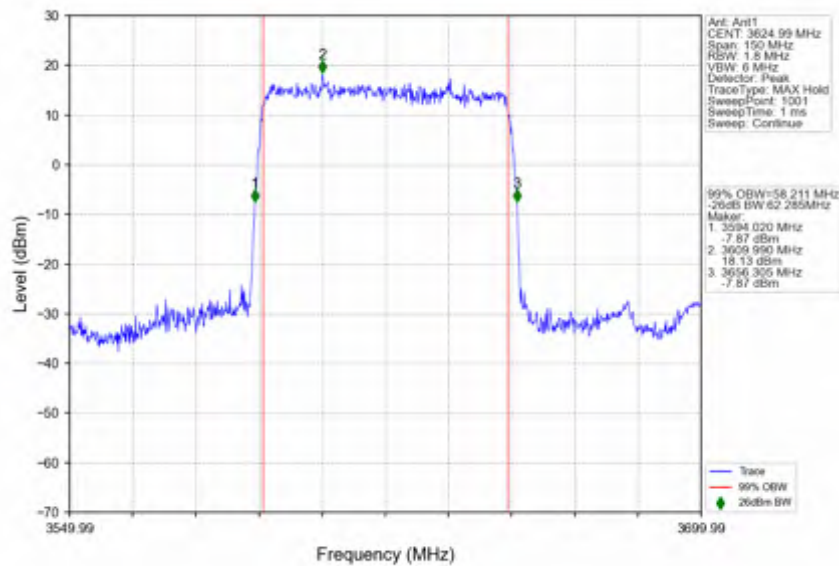
5G NR n78(3550-3700MHz) SCS=30kHz SISO 60MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3580.02	Outer_Full	58.20	62.00	/	Pass
	3624.99	Outer_Full	58.21	62.28	/	Pass
	3669.99	Outer_Full	58.10	62.22	/	Pass
DFT-s-OFDM QPSK	3580.02	Outer_Full	58.16	62.09	/	Pass
	3624.99	Outer_Full	58.35	62.32	/	Pass
	3669.99	Outer_Full	58.17	62.31	/	Pass
DFT-s-OFDM 16 QAM	3580.02	Outer_Full	58.32	62.40	/	Pass
	3624.99	Outer_Full	58.32	62.22	/	Pass
	3669.99	Outer_Full	58.31	62.05	/	Pass
DFT-s-OFDM 64 QAM	3580.02	Outer_Full	58.15	62.13	/	Pass
	3624.99	Outer_Full	58.30	62.30	/	Pass
	3669.99	Outer_Full	58.28	62.20	/	Pass
DFT-s-OFDM 256 QAM	3580.02	Outer_Full	58.22	62.18	/	Pass
	3624.99	Outer_Full	58.19	62.17	/	Pass
	3669.99	Outer_Full	58.24	62.30	/	Pass
CP-OFDM QPSK	3580.02	Outer_Full	58.25	62.07	/	Pass
	3624.99	Outer_Full	58.15	62.09	/	Pass
	3669.99	Outer_Full	58.19	62.18	/	Pass
CP-OFDM 16 QAM	3580.02	Outer_Full	58.43	62.17	/	Pass
	3624.99	Outer_Full	58.50	62.03	/	Pass
	3669.99	Outer_Full	58.18	61.92	/	Pass
CP-OFDM 64 QAM	3580.02	Outer_Full	58.01	62.12	/	Pass
	3624.99	Outer_Full	58.37	62.15	/	Pass
	3669.99	Outer_Full	58.35	62.05	/	Pass
CP-OFDM 256 QAM	3580.02	Outer_Full	58.27	62.13	/	Pass
	3624.99	Outer_Full	58.05	62.11	/	Pass
	3669.99	Outer_Full	58.07	62.11	/	Pass

4.5.2 Test Graph

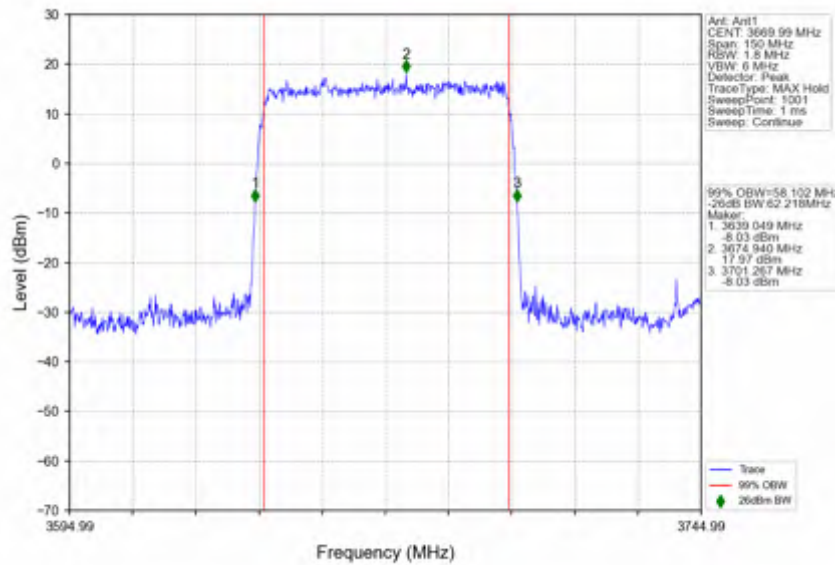
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3580.02MHz_Outer_Full



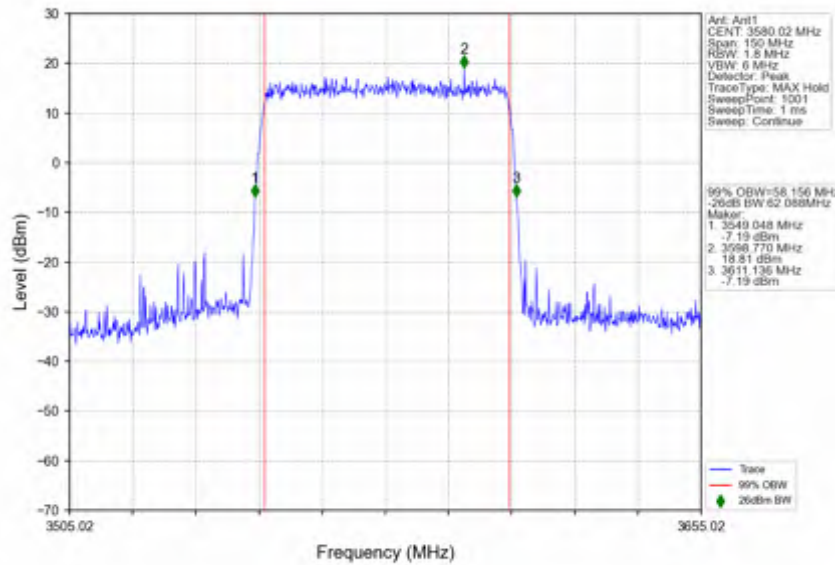
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



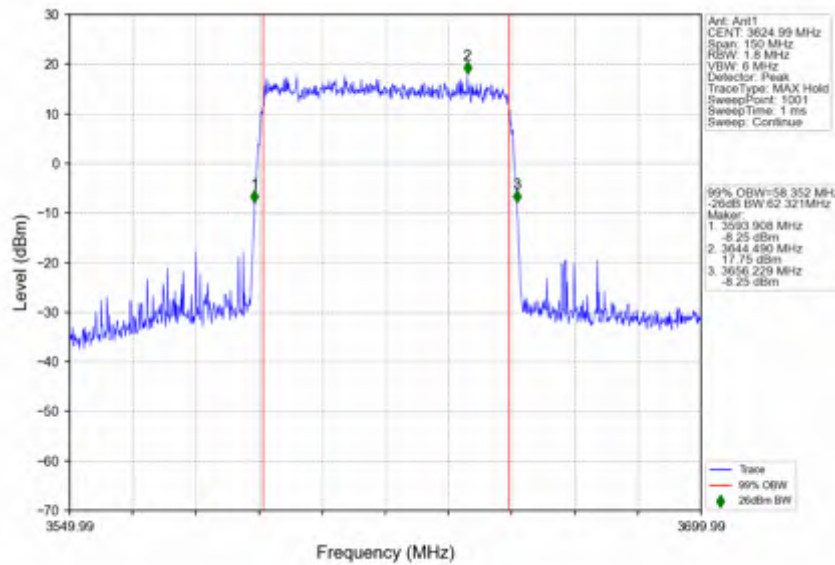
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3669.99MHz_Outer_Full



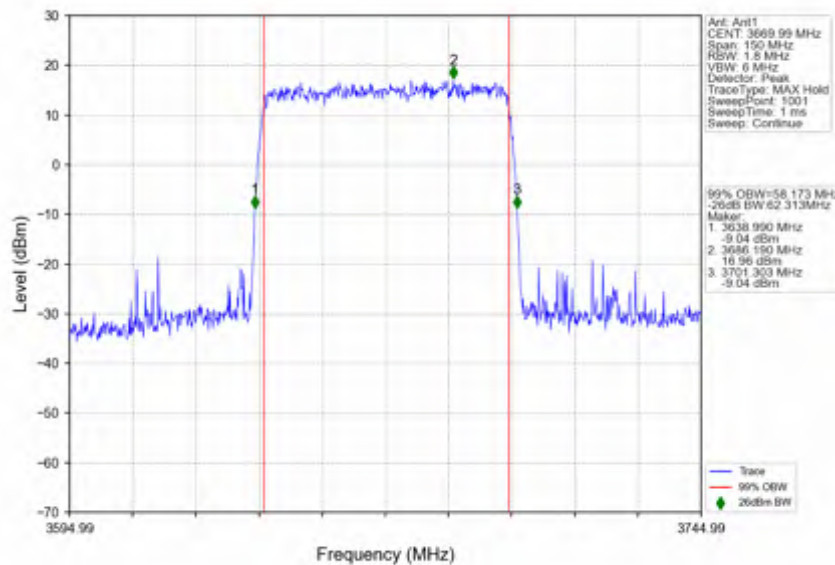
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3580.02MHz_Outer_Full



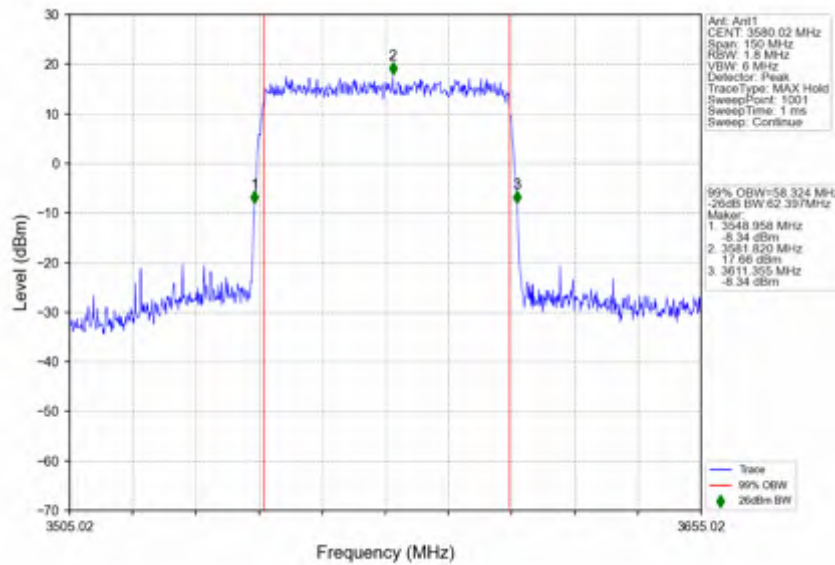
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



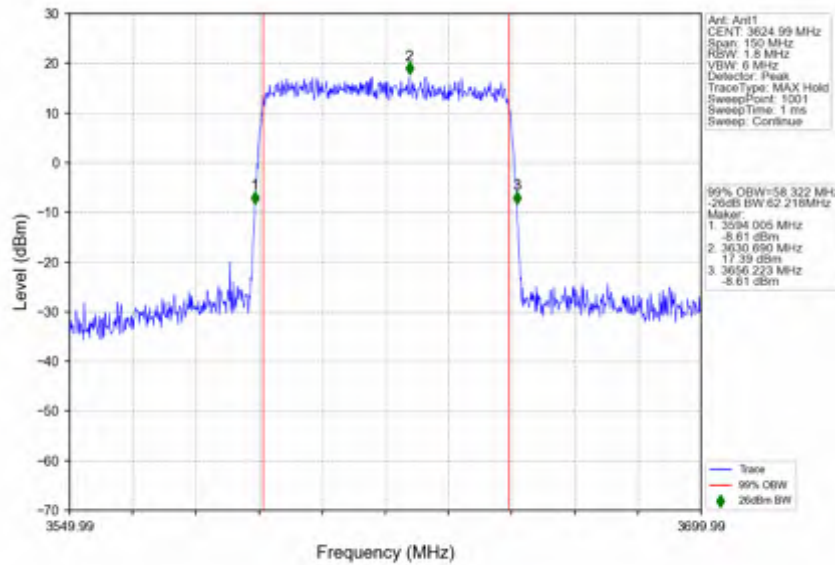
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3669.99MHz_Outer_Full



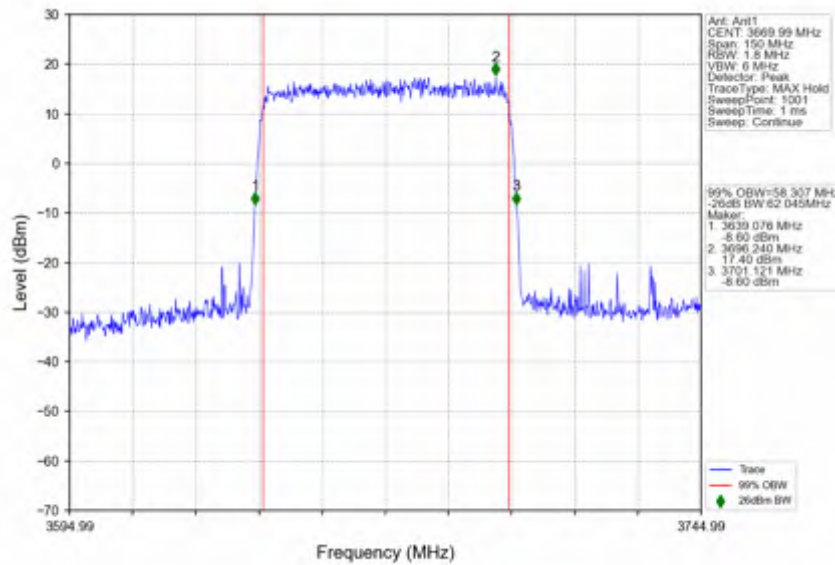
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 16 QAM_3580.02MHz_Outer_Full



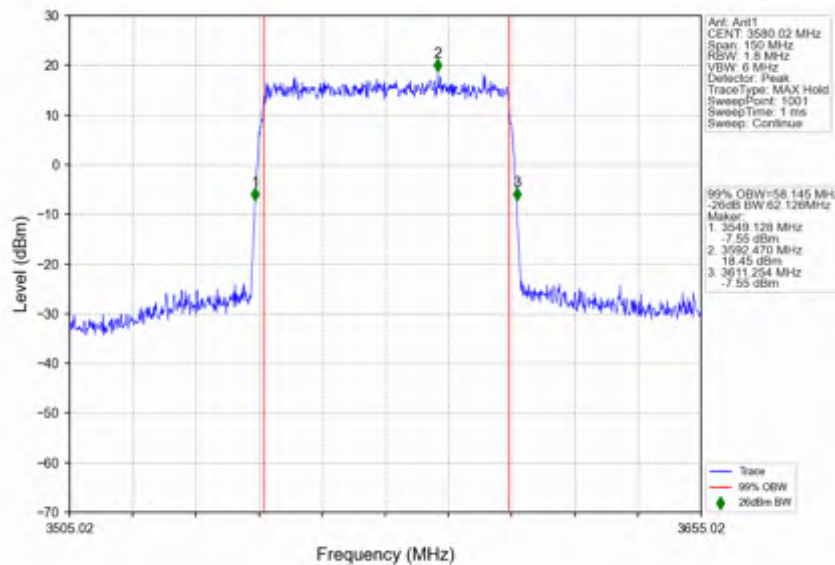
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



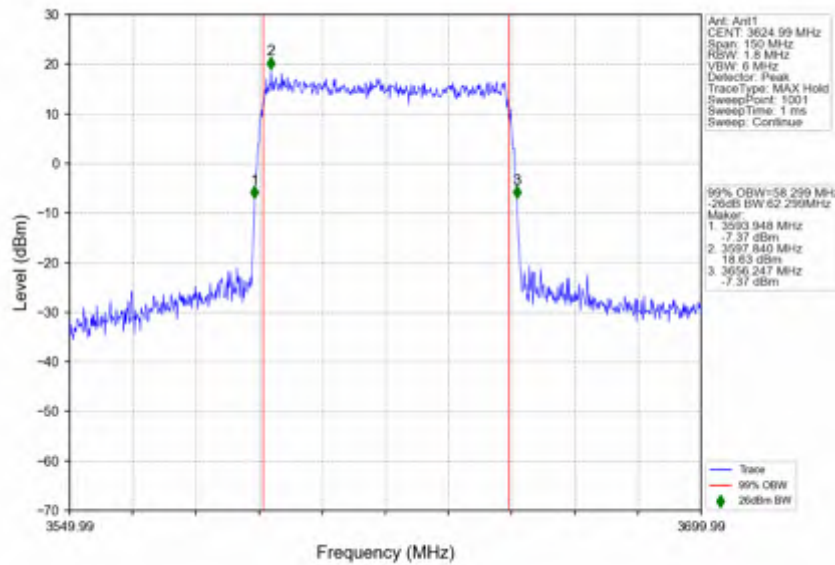
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 16 QAM_3669.99MHz_Outer_Full



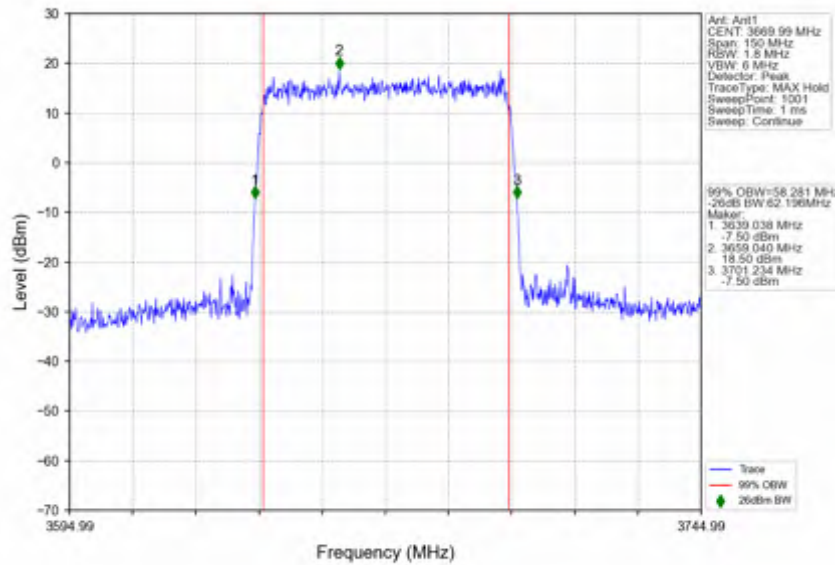
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3580.02MHz_Outer_Full



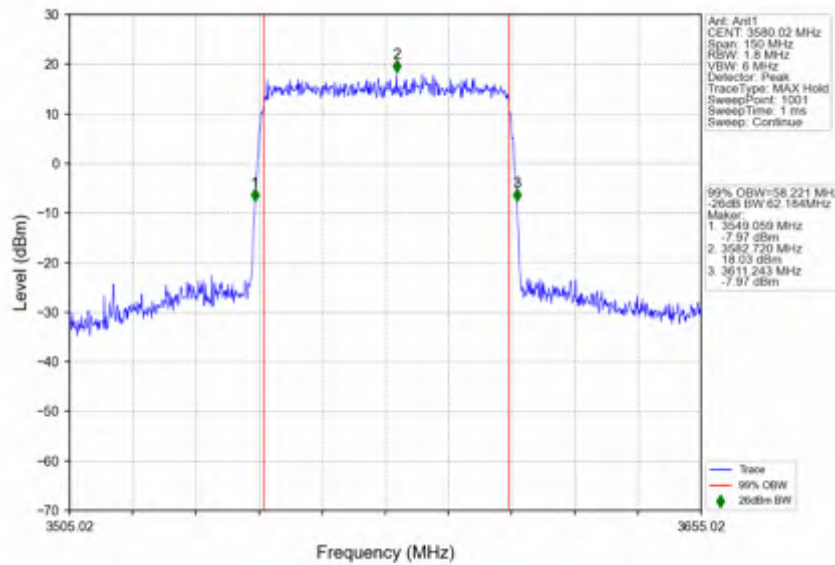
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



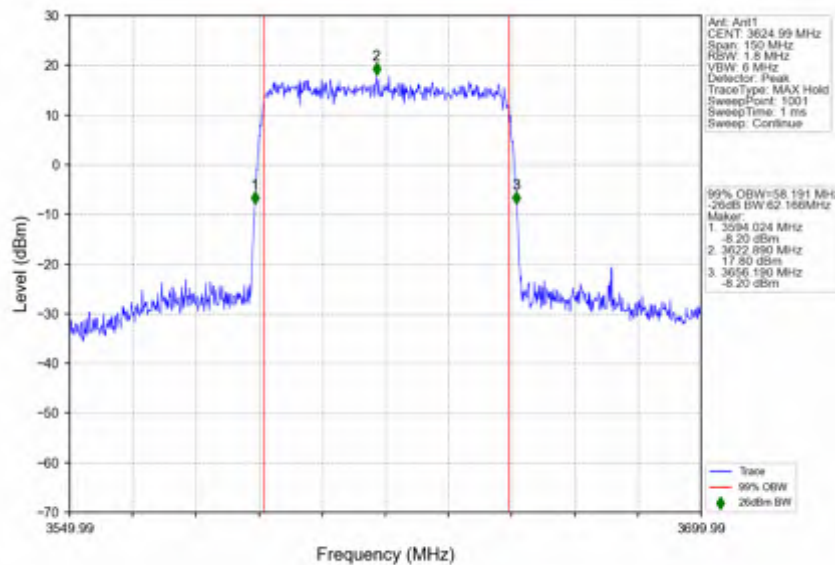
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3669.99MHz_Outer_Full



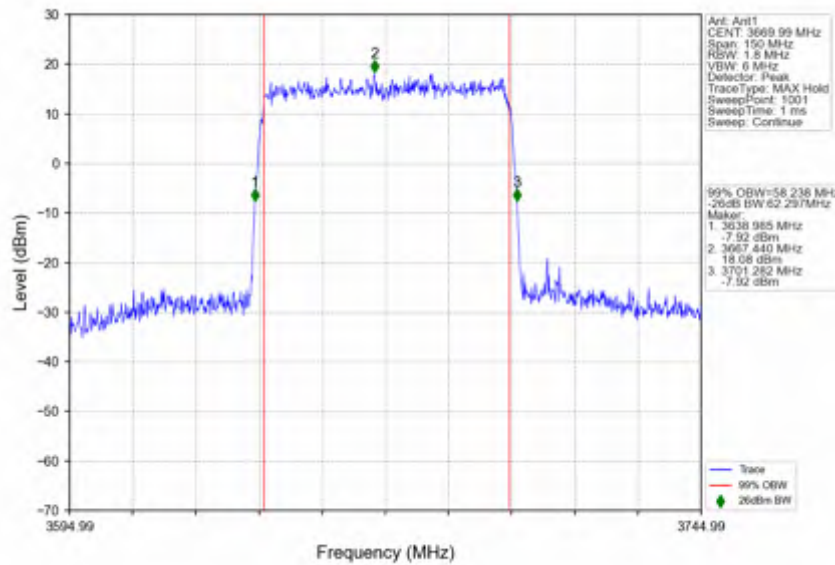
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 256 QAM_3580.02MHz_Outer_Full



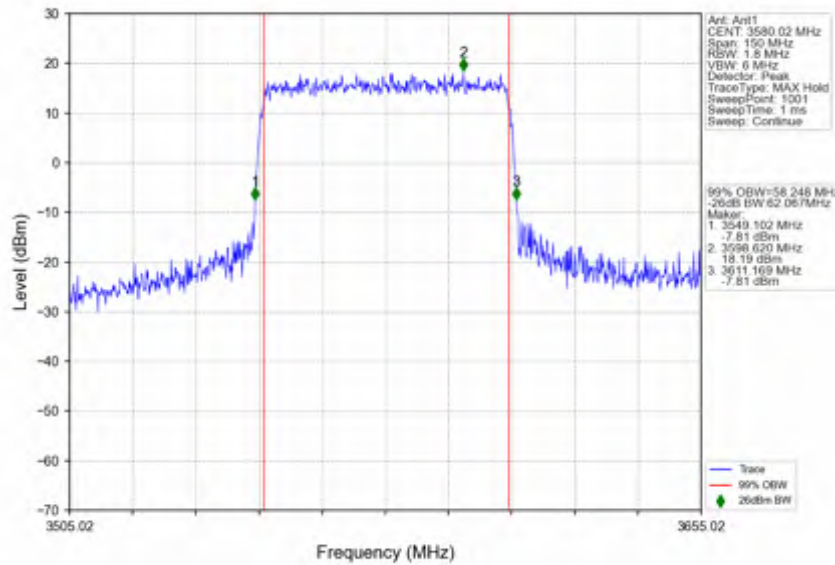
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full



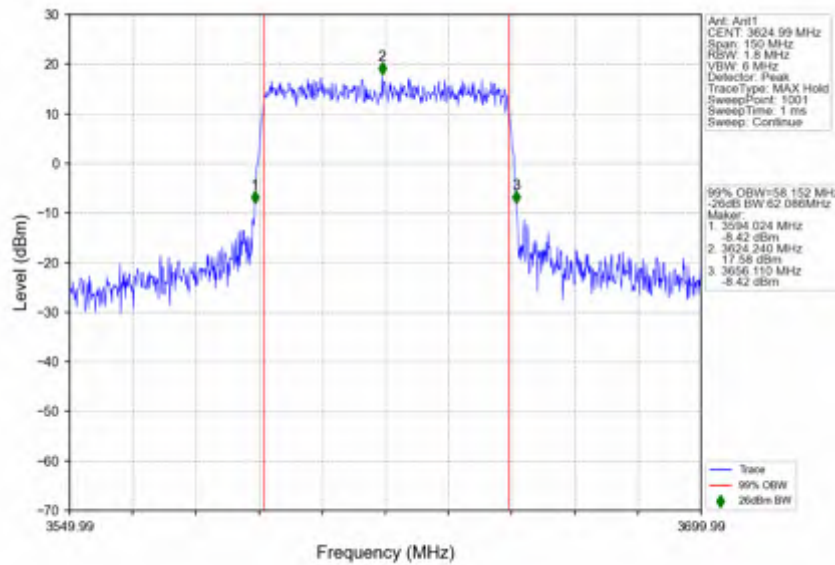
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 256 QAM_3669.99MHz_Outer_Full



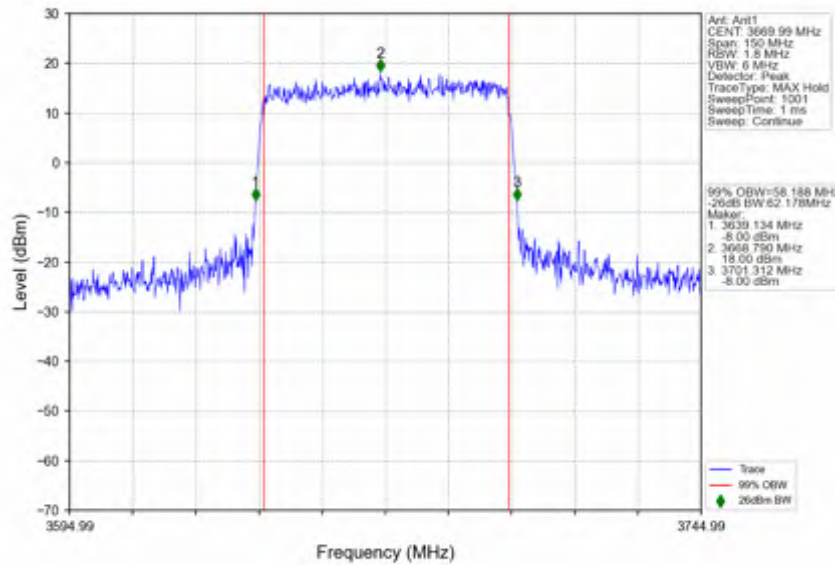
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3580.02MHz_Outer_Full



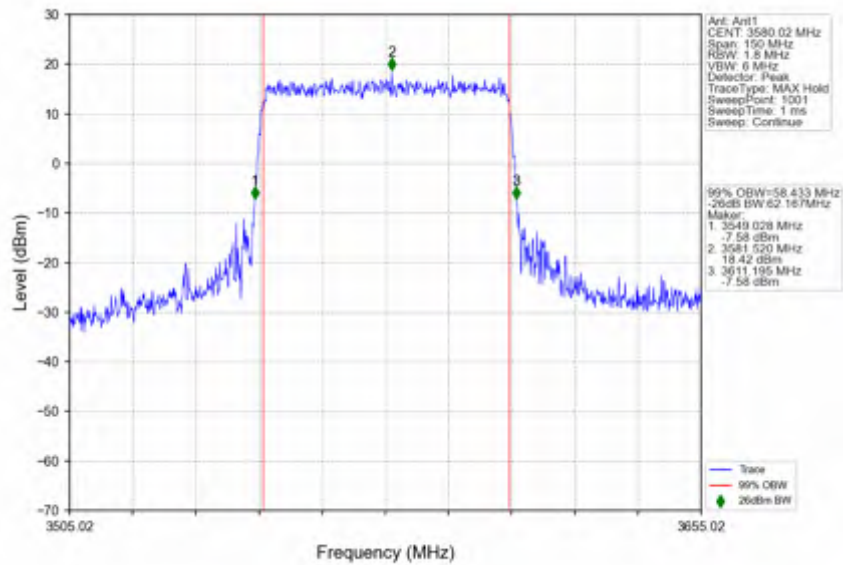
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



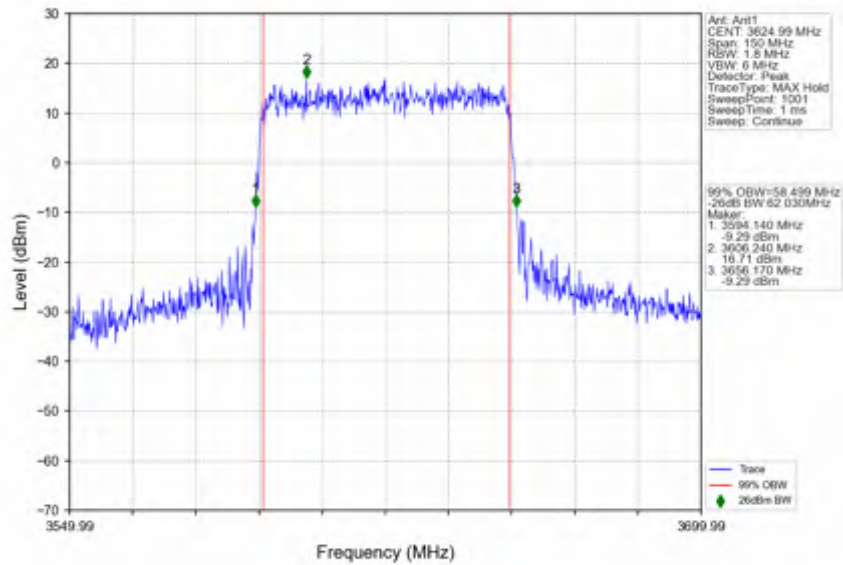
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3669.99MHz_Outer_Full



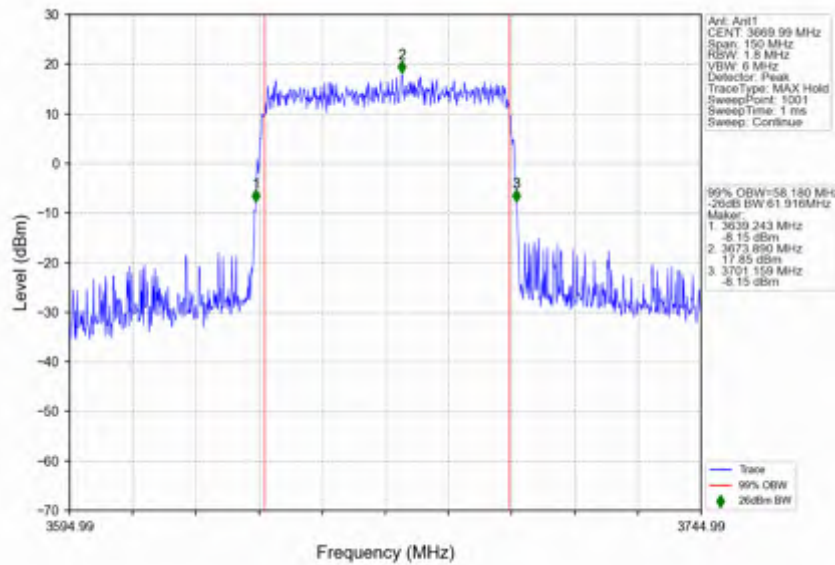
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3580.02MHz_Outer_Full



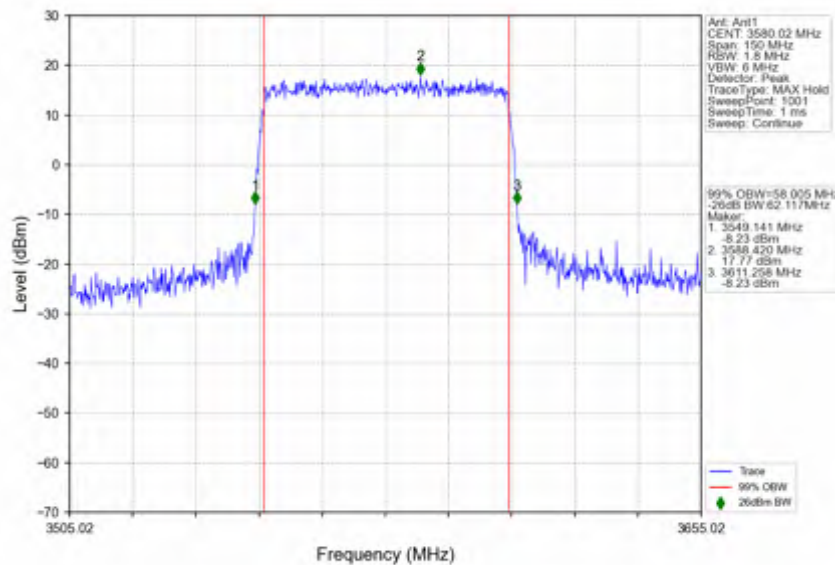
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



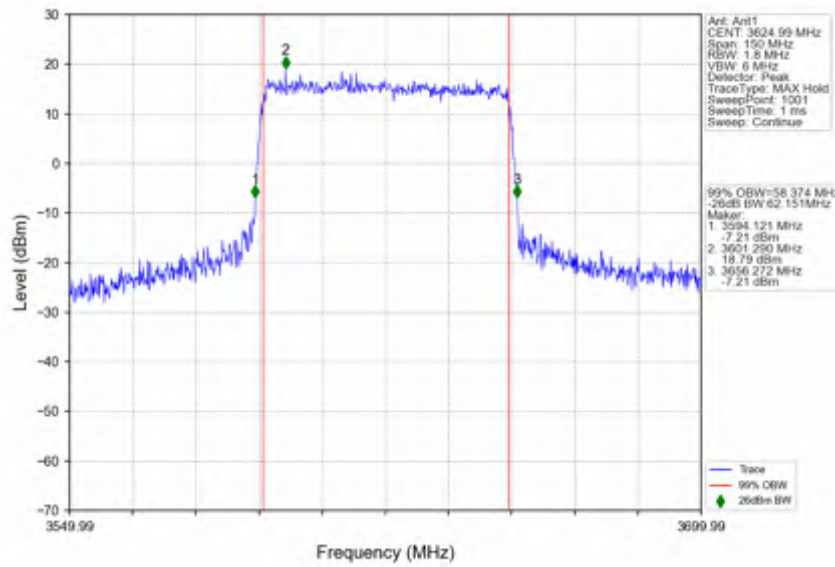
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3669.99MHz_Outer_Full



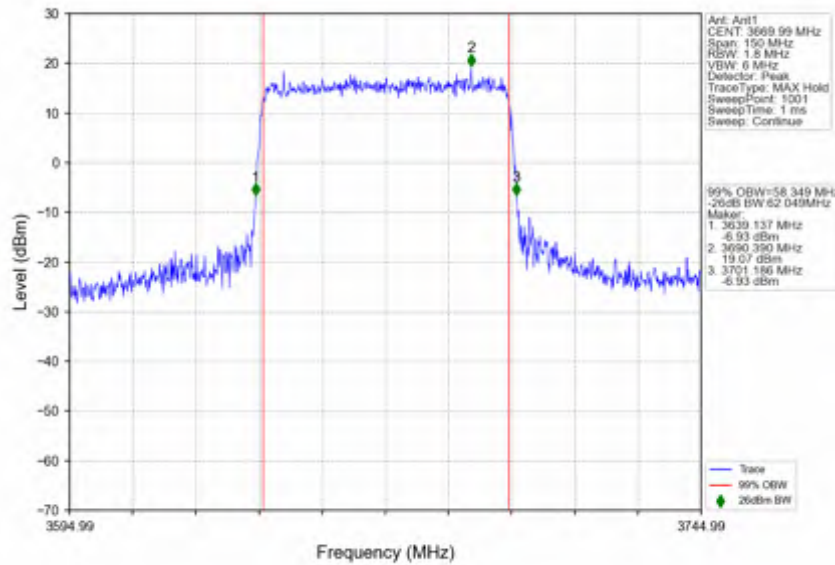
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3580.02MHz_Outer_Full



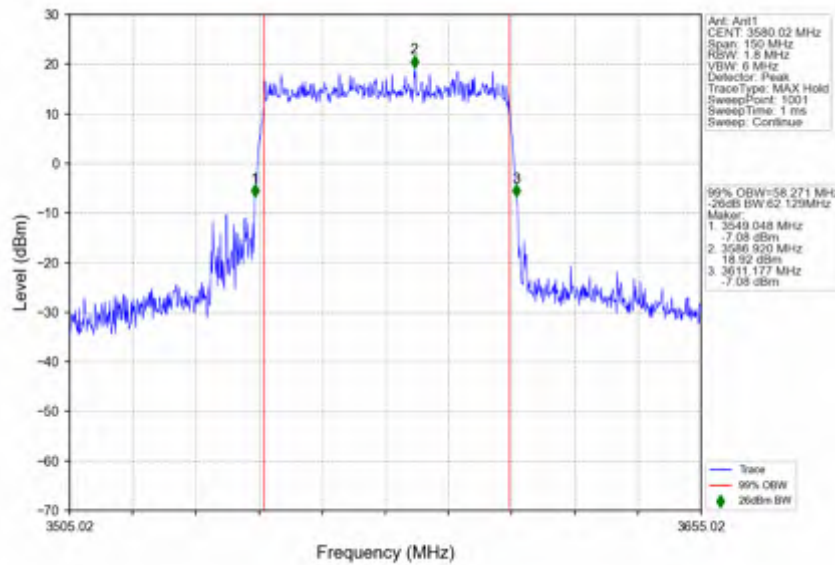
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



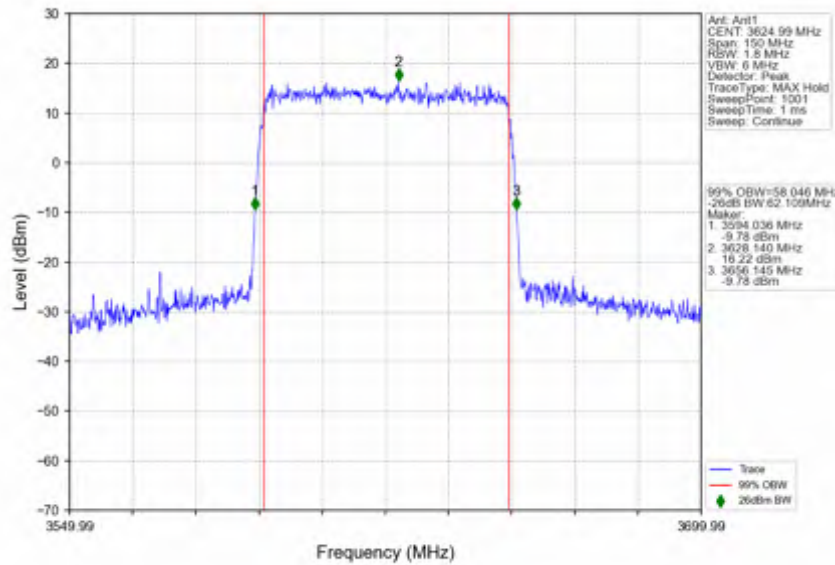
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3669.99MHz_Outer_Full



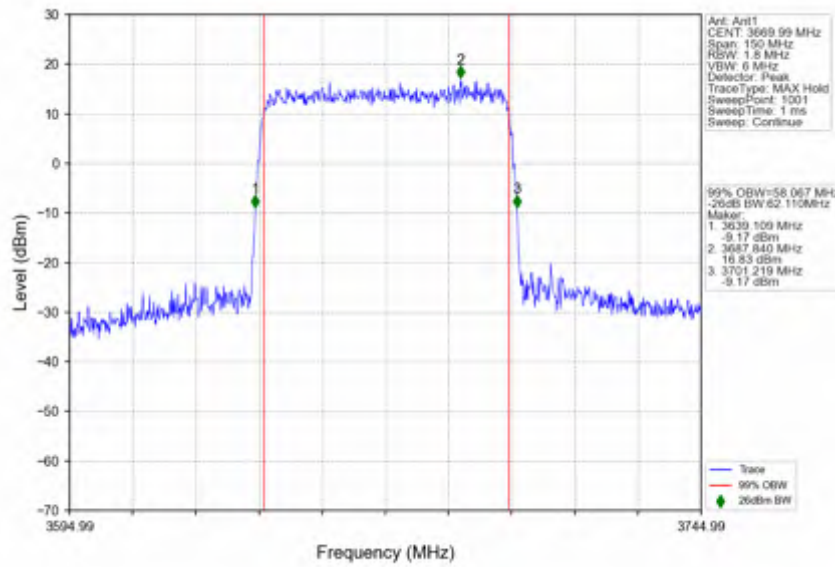
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3580.02MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3669.99MHz_Outer_Full





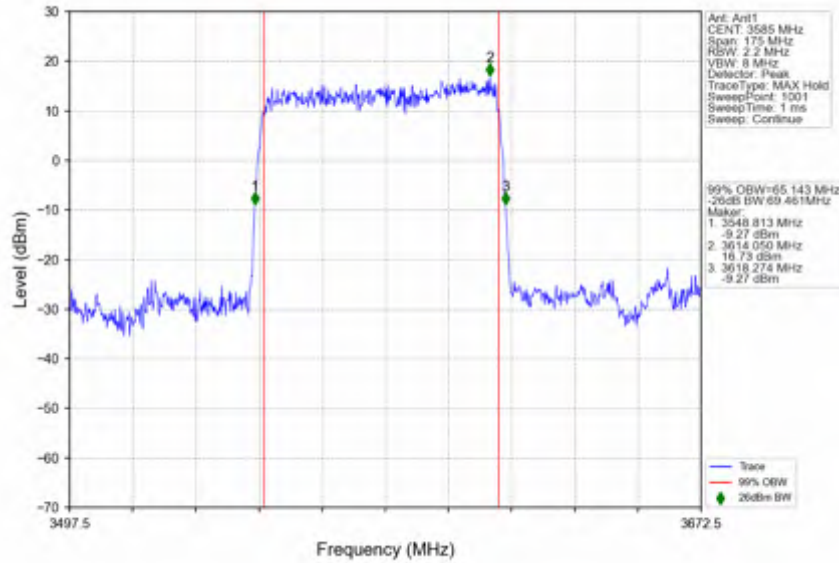
4.6 30k_SISO_70MHz_NTNV

4.6.1 Test Result

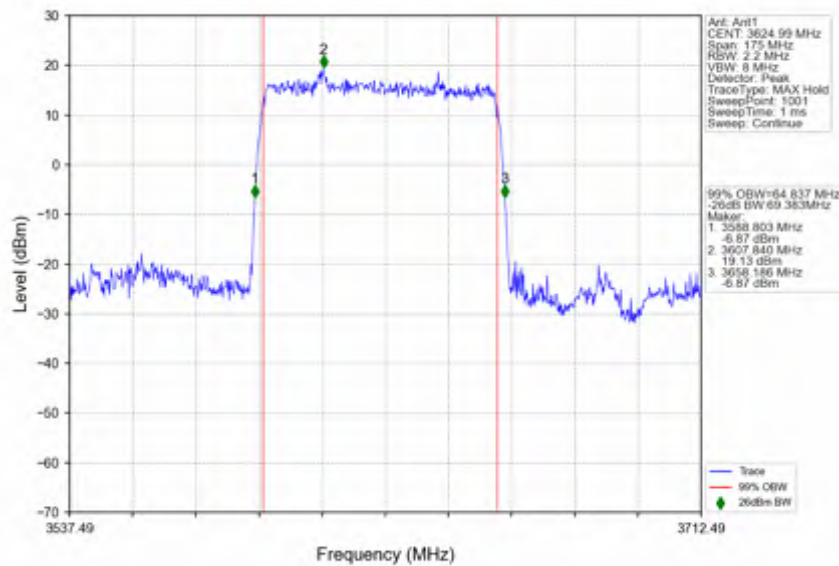
5G NR n78(3550-3700MHz) SCS=30kHz SISO 70MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3585	Outer_Full	65.14	69.46	/	Pass
	3624.99	Outer_Full	64.84	69.38	/	Pass
	3664.98	Outer_Full	64.84	69.53	/	Pass
DFT-s-OFDM QPSK	3585	Outer_Full	64.78	69.13	/	Pass
	3624.99	Outer_Full	64.88	69.44	/	Pass
	3664.98	Outer_Full	65.02	69.70	/	Pass
DFT-s-OFDM 16 QAM	3585	Outer_Full	64.95	69.28	/	Pass
	3624.99	Outer_Full	64.91	69.43	/	Pass
	3664.98	Outer_Full	65.17	69.46	/	Pass
DFT-s-OFDM 64 QAM	3585	Outer_Full	65.08	69.31	/	Pass
	3624.99	Outer_Full	65.02	69.36	/	Pass
	3664.98	Outer_Full	65.10	69.60	/	Pass
DFT-s-OFDM 256 QAM	3585	Outer_Full	65.05	68.84	/	Pass
	3624.99	Outer_Full	64.80	69.49	/	Pass
	3664.98	Outer_Full	64.87	69.50	/	Pass
CP-OFDM QPSK	3585	Outer_Full	68.31	72.40	/	Pass
	3624.99	Outer_Full	68.01	72.73	/	Pass
	3664.98	Outer_Full	68.13	72.70	/	Pass
CP-OFDM 16 QAM	3585	Outer_Full	68.34	72.52	/	Pass
	3624.99	Outer_Full	68.07	72.75	/	Pass
	3664.98	Outer_Full	68.00	72.55	/	Pass
CP-OFDM 64 QAM	3585	Outer_Full	68.29	72.30	/	Pass
	3624.99	Outer_Full	68.16	72.72	/	Pass
	3664.98	Outer_Full	68.37	72.62	/	Pass
CP-OFDM 256 QAM	3585	Outer_Full	68.11	72.54	/	Pass
	3624.99	Outer_Full	68.13	72.58	/	Pass
	3664.98	Outer_Full	68.11	72.61	/	Pass

4.6.2 Test Graph

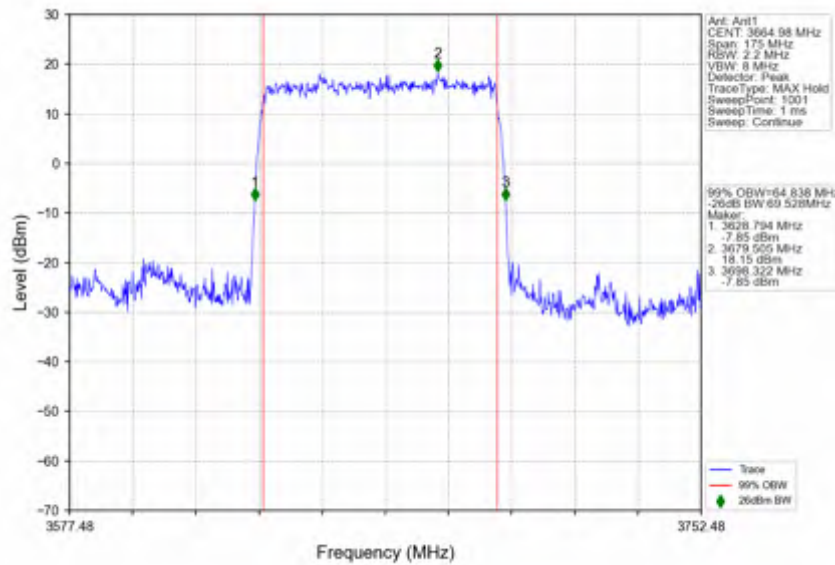
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3585MHz_Outer_Full



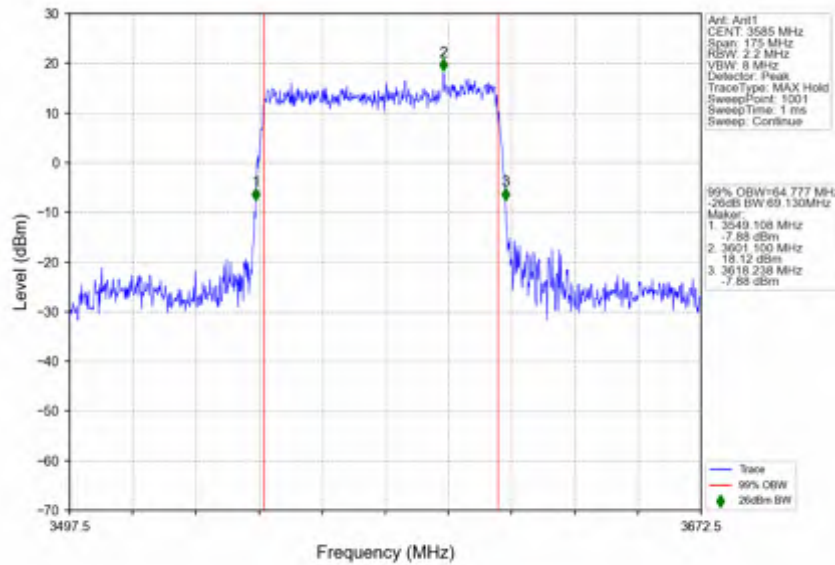
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



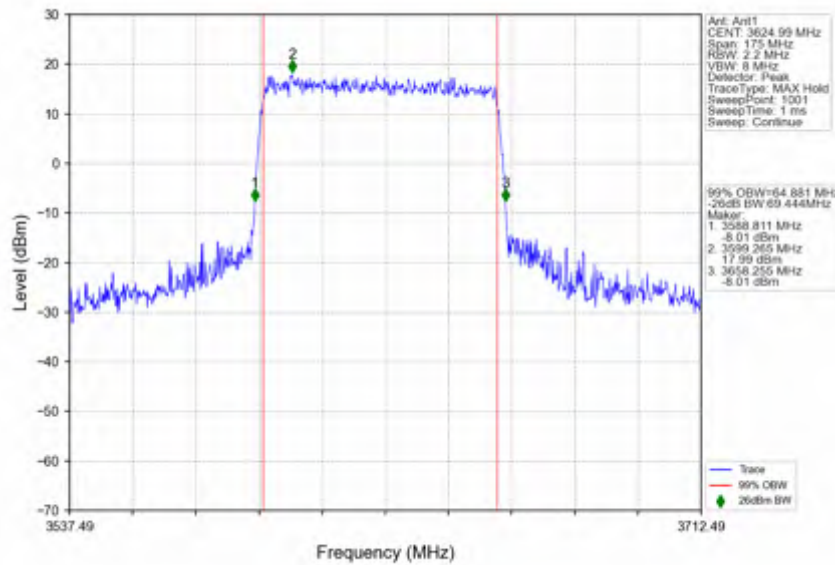
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3664.98MHz_Outer_Full



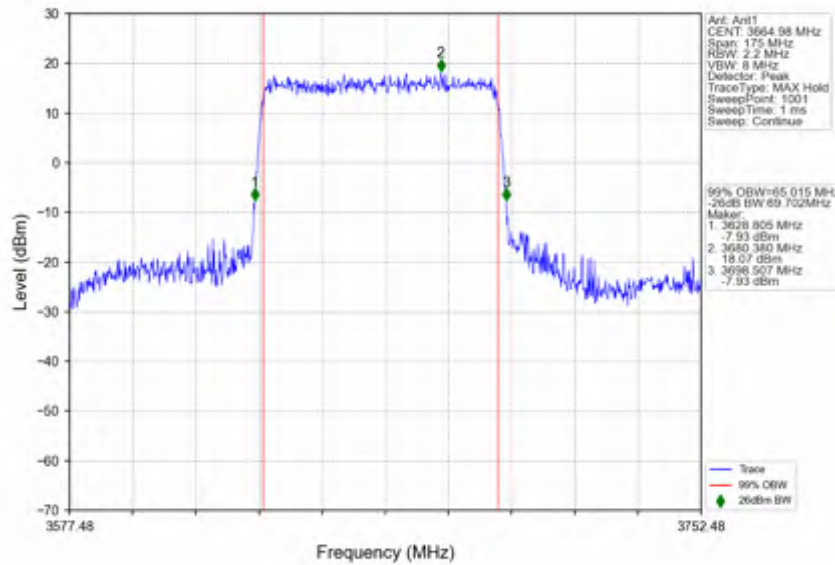
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3585MHz_Outer_Full



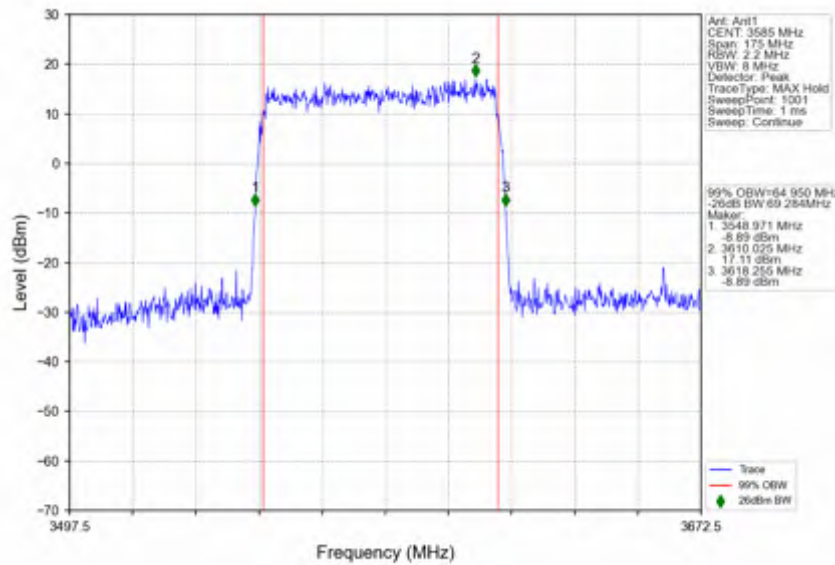
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



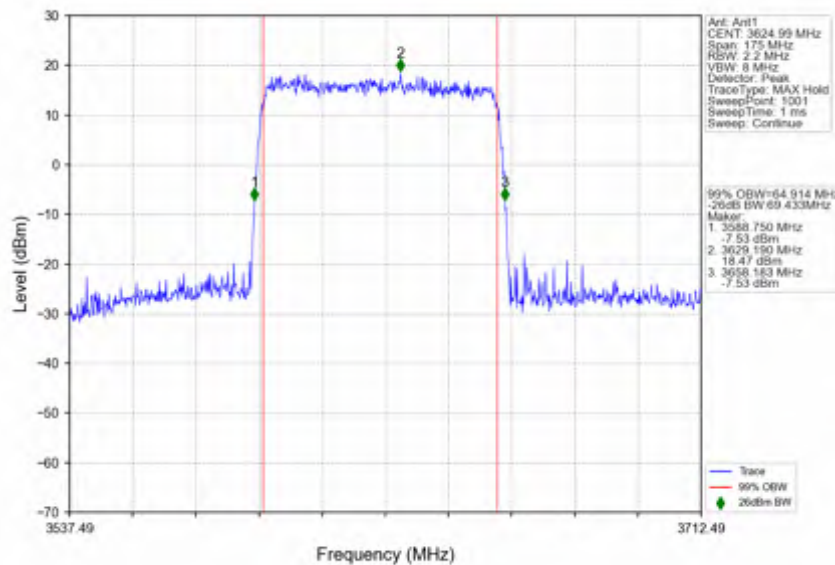
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3664.98MHz_Outer_Full



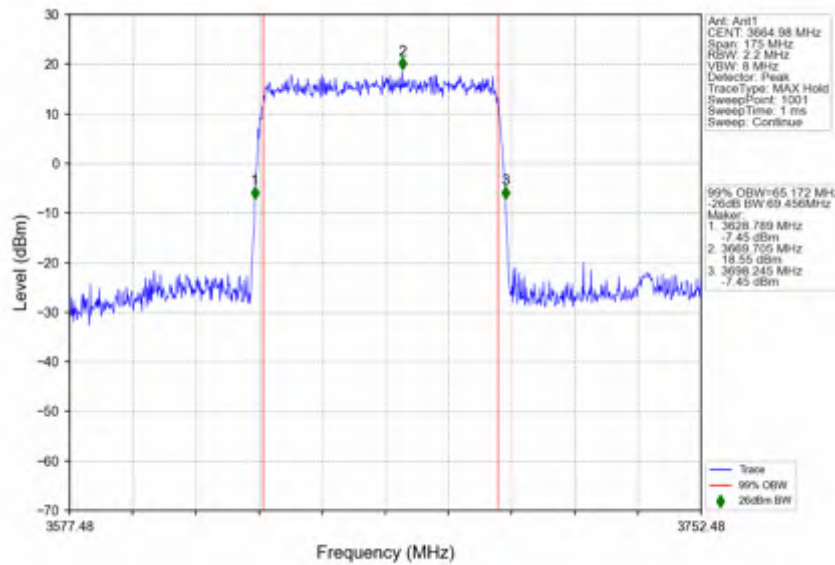
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 16 QAM_3585MHz_Outer_Full



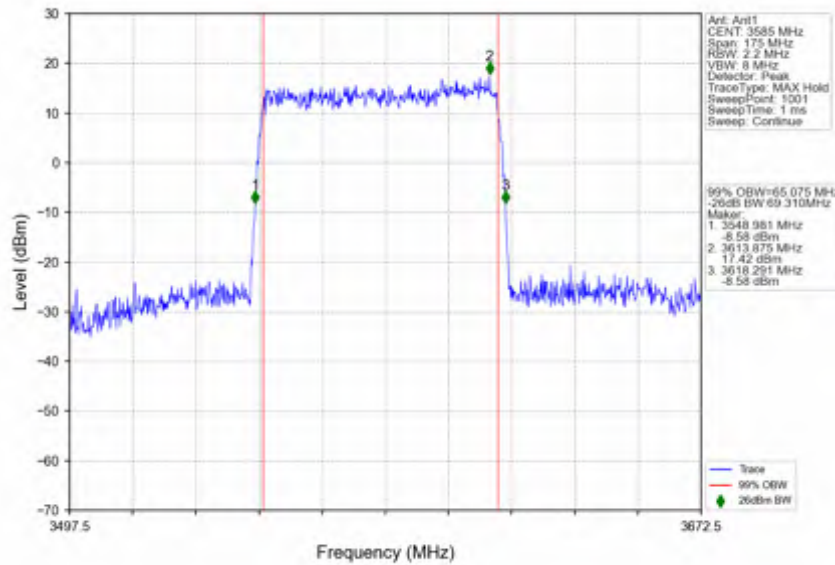
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



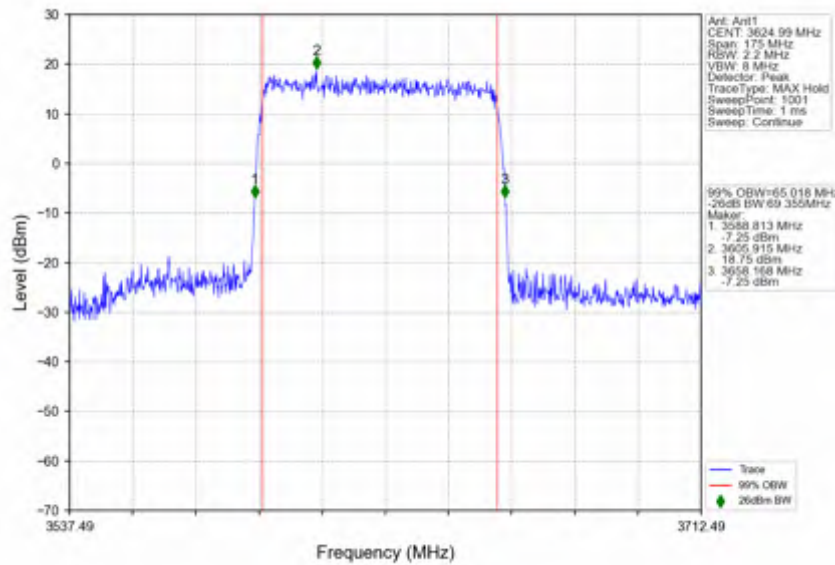
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 16 QAM_3664.98MHz_Outer_Full



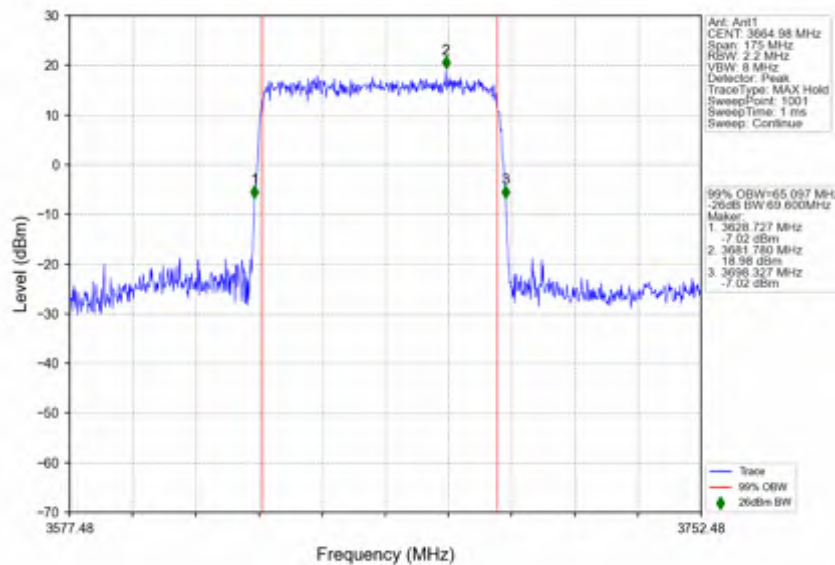
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 64 QAM_3585MHz_Outer_Full



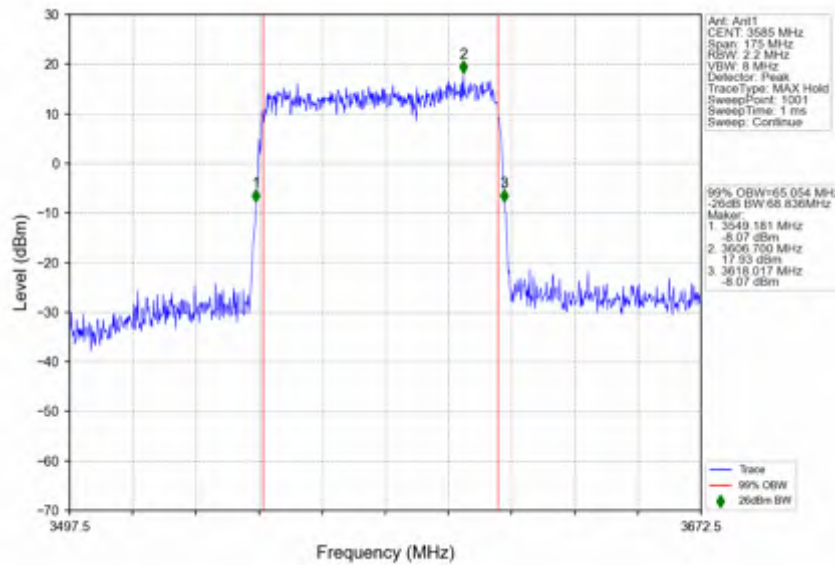
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



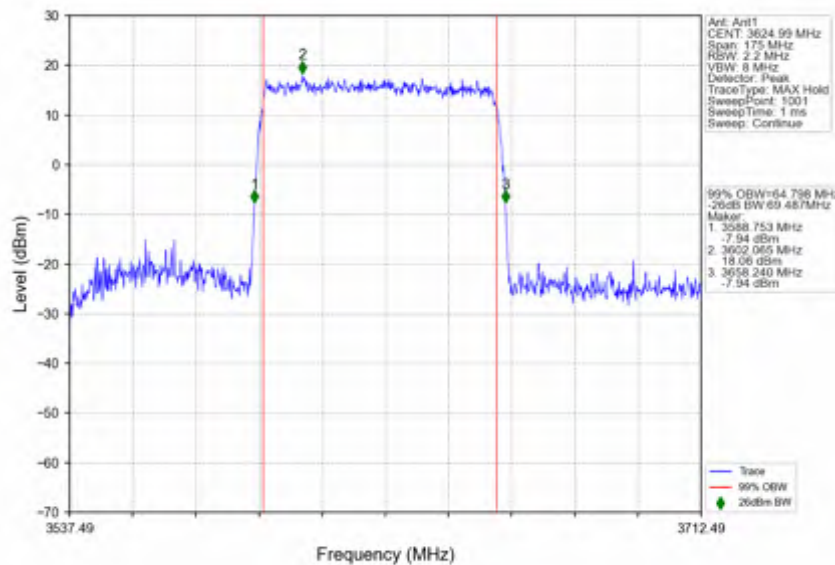
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 64 QAM_3664.98MHz_Outer_Full



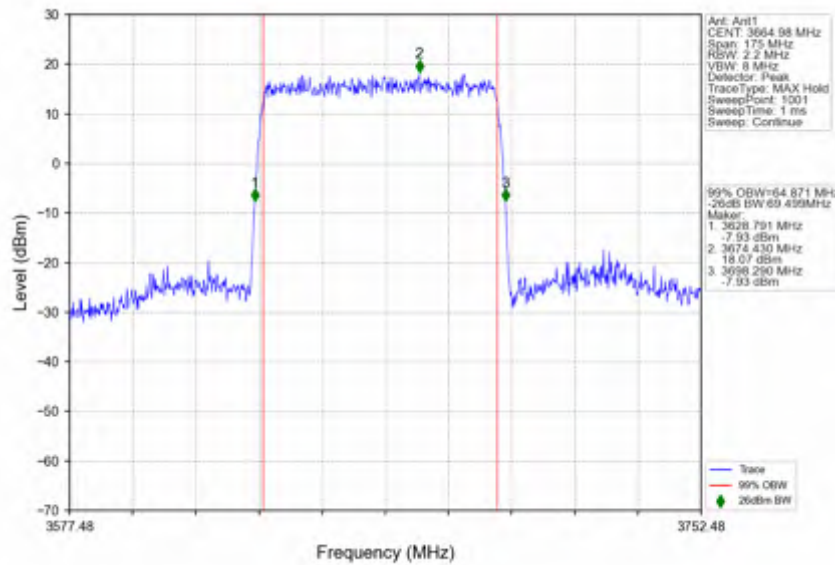
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 256 QAM_3585MHz_Outer_Full



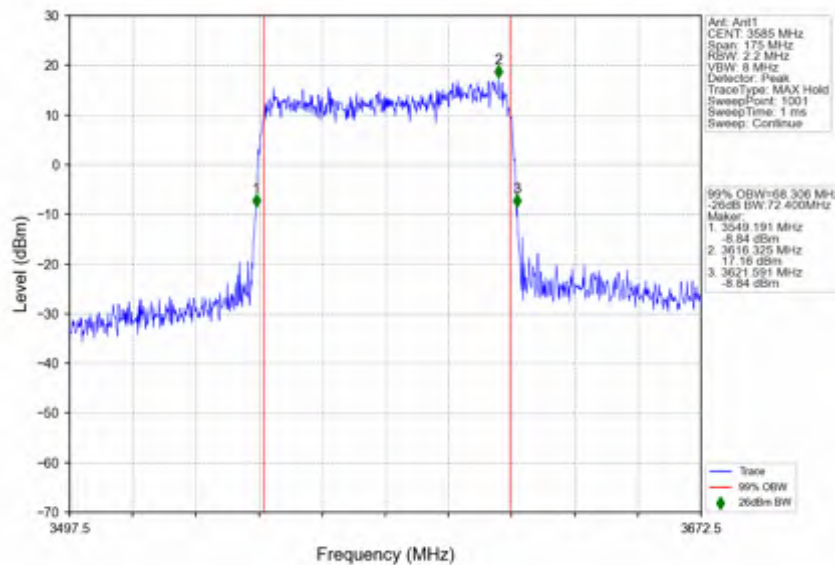
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full



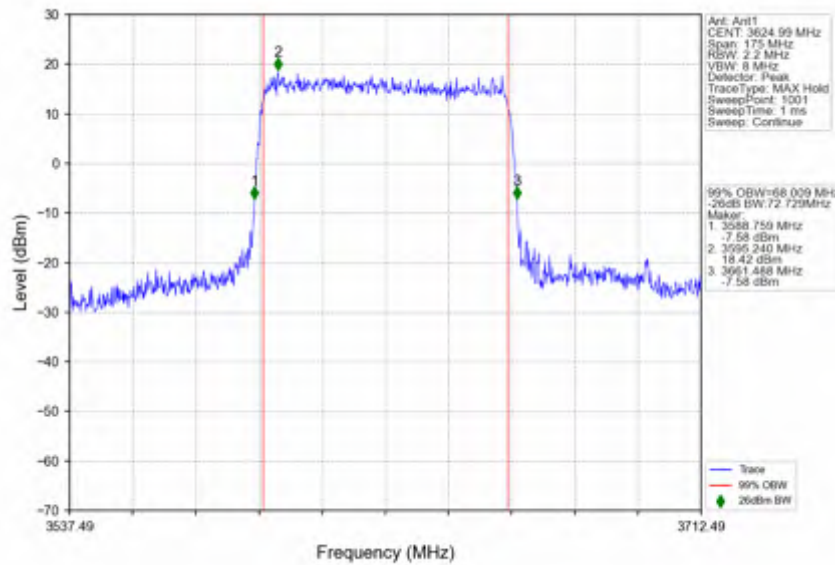
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 256 QAM_3664.98MHz_Outer_Full



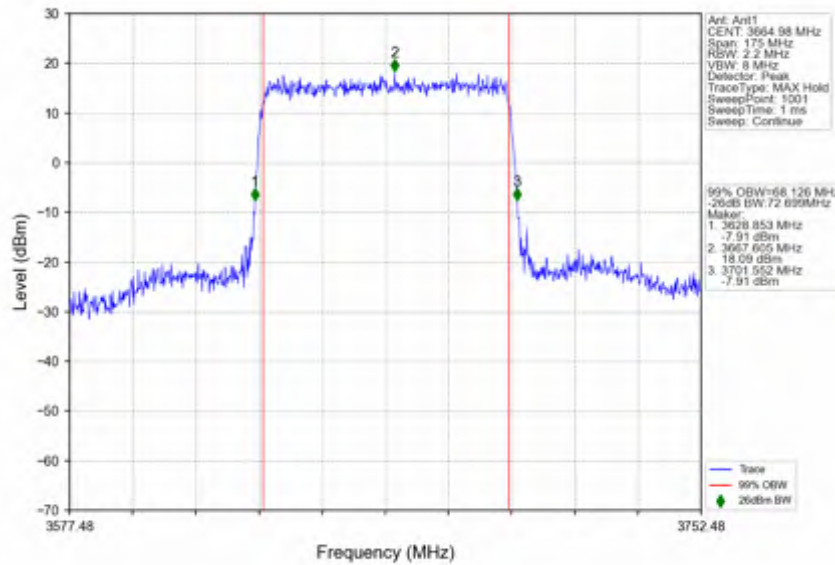
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM QPSK_3585MHz_Outer_Full



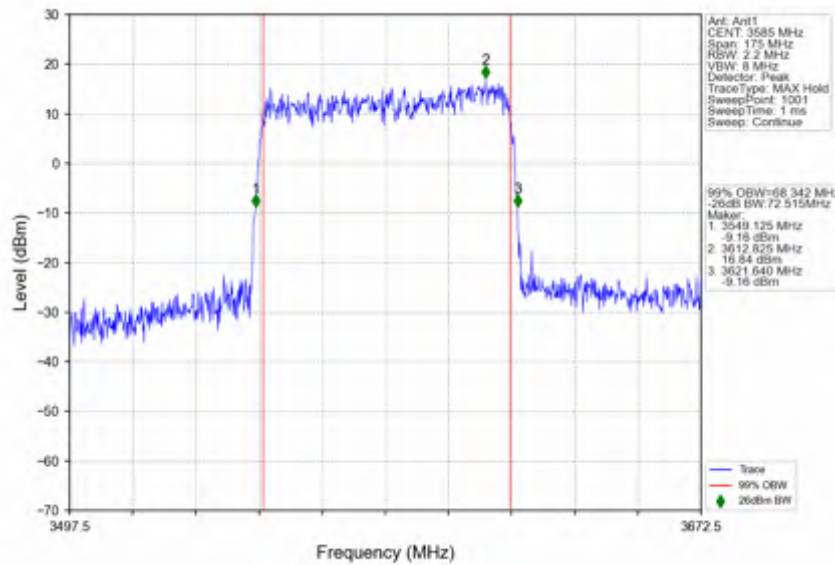
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



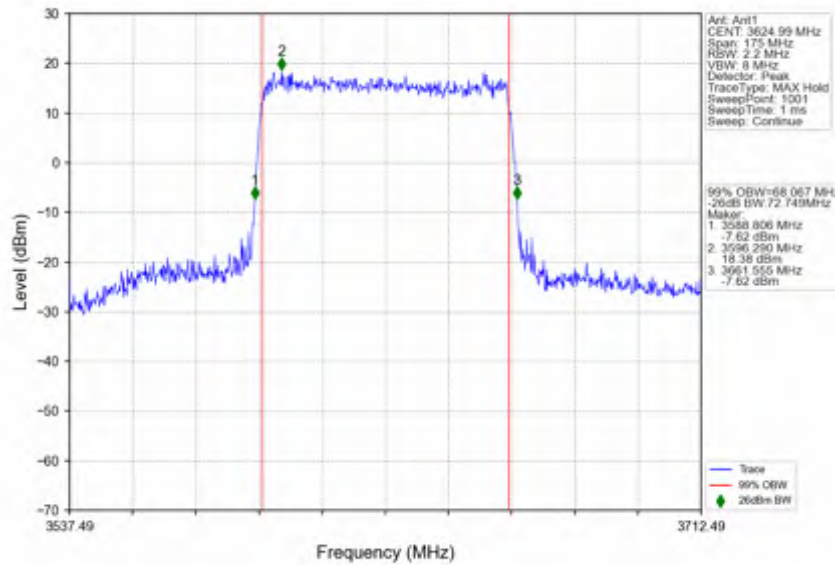
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM QPSK_3664.98MHz_Outer_Full



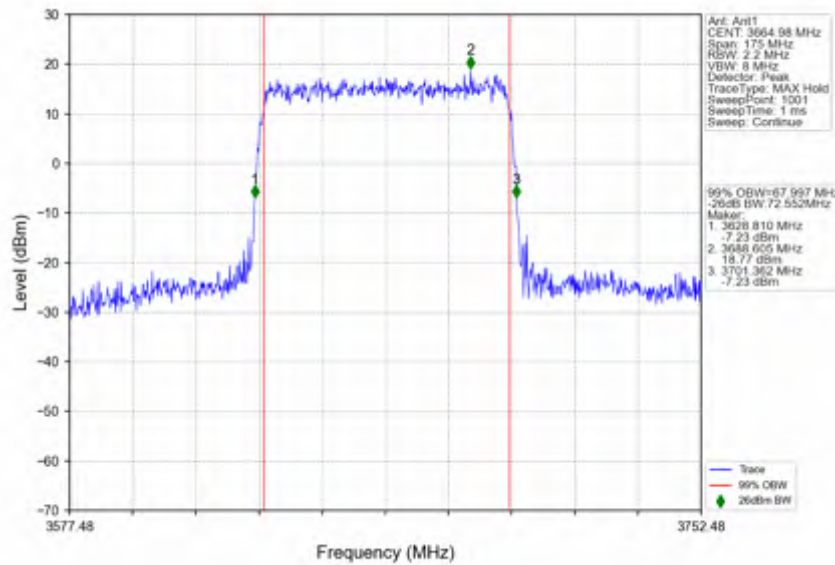
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3585MHz_Outer_Full



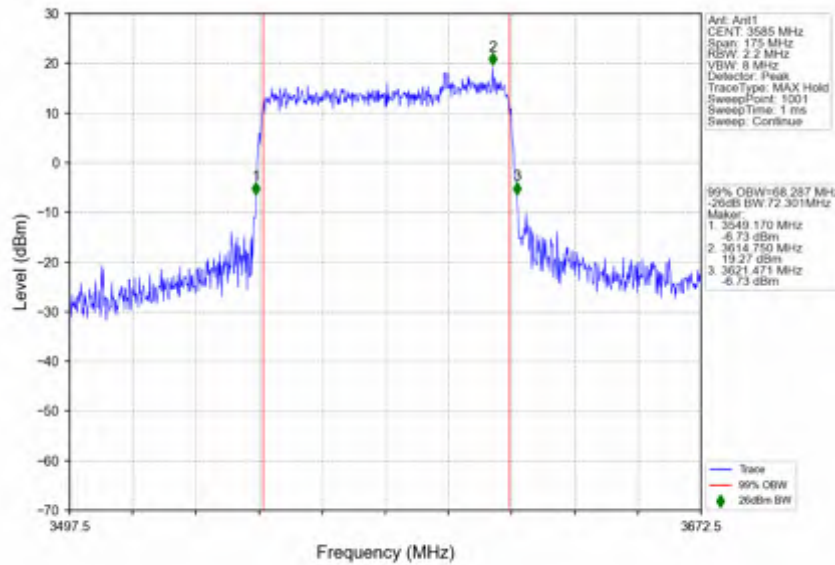
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



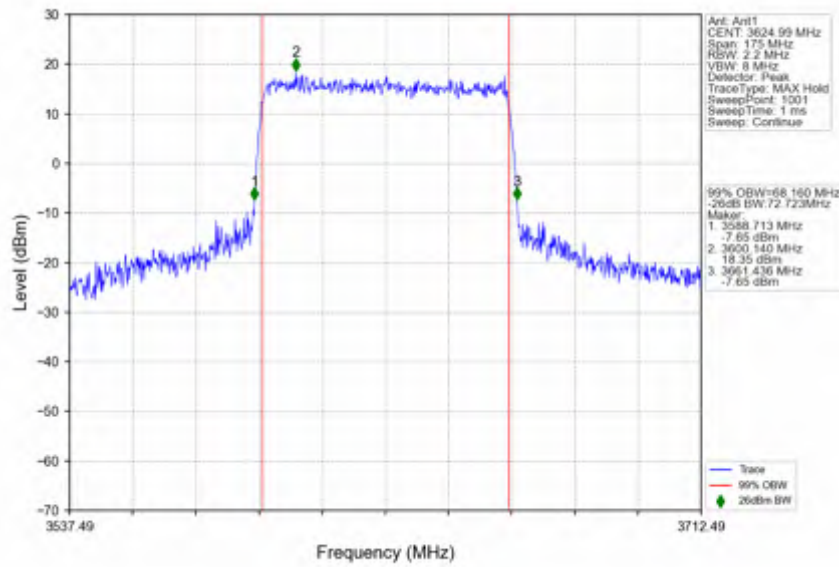
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3664.98MHz_Outer_Full



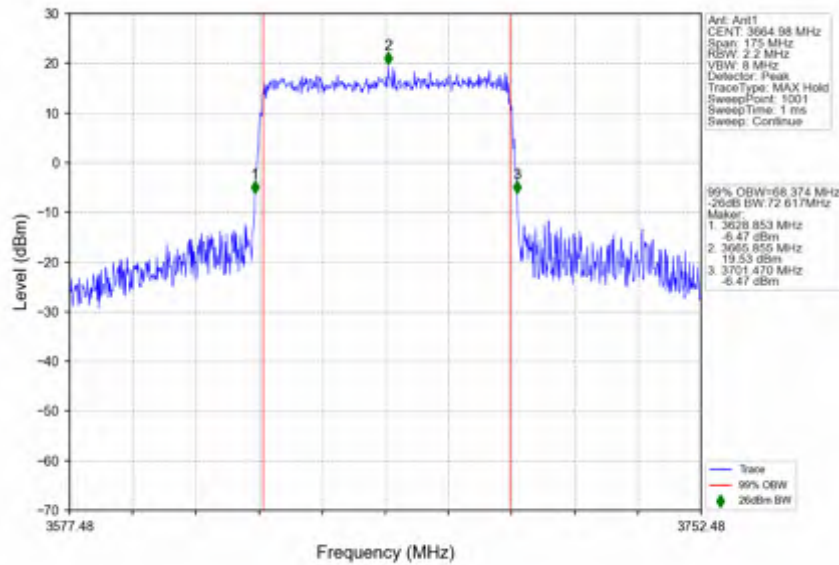
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3585MHz_Outer_Full



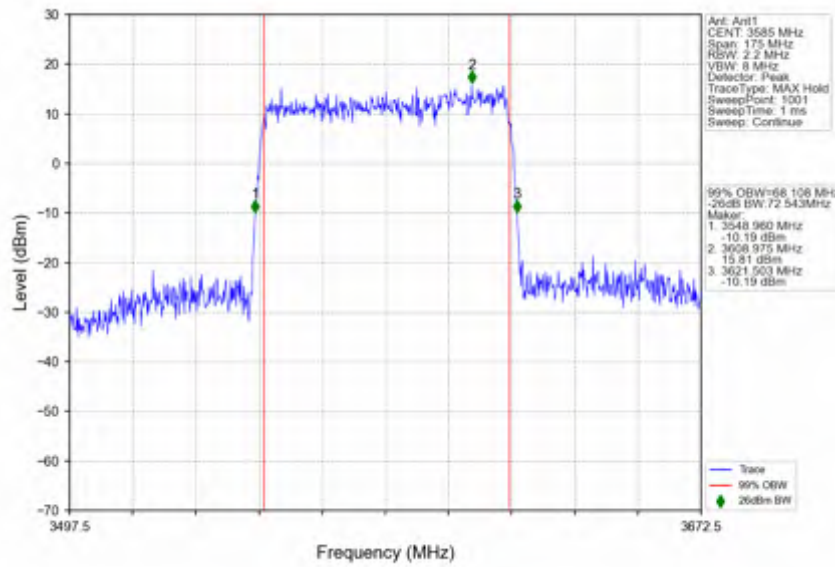
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



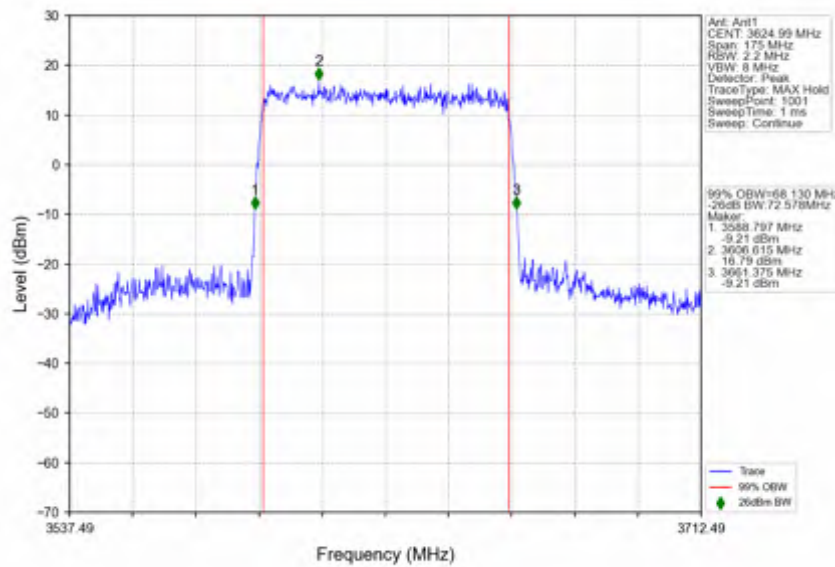
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3664.98MHz_Outer_Full



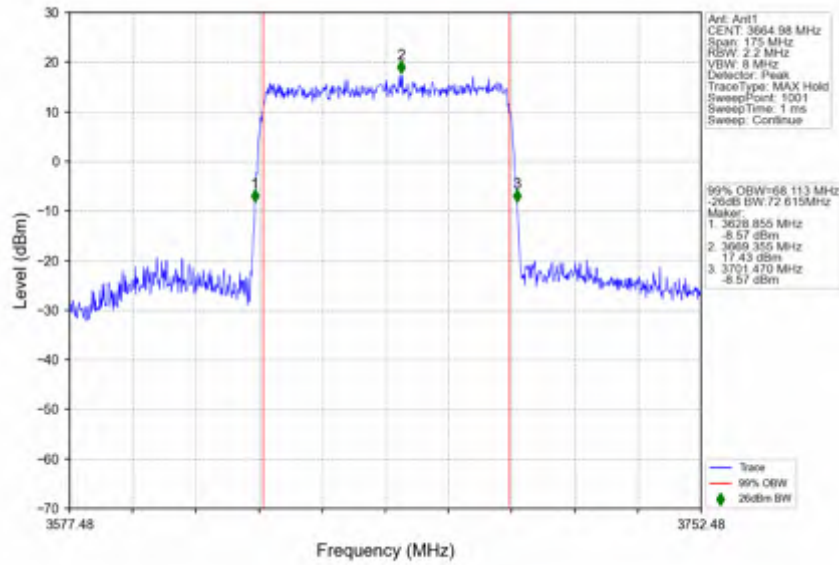
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 256 QAM_3585MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 256 QAM_3664.98MHz_Outer_Full





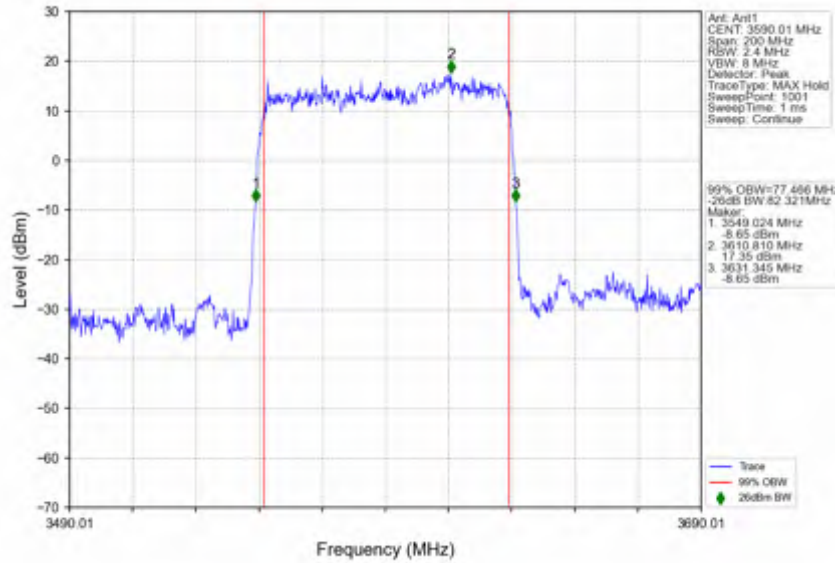
4.7 30k_SISO_80MHz_NTNV

4.7.1 Test Result

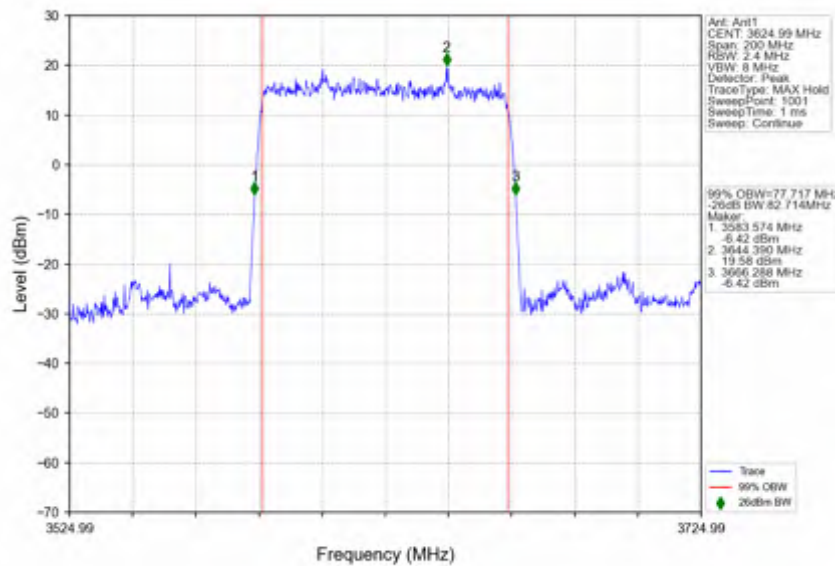
5G NR n78(3550-3700MHz) SCS=30kHz SISO 80MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3590.01	Outer_Full	77.47	82.32	/	Pass
	3624.99	Outer_Full	77.72	82.71	/	Pass
	3660	Outer_Full	77.70	82.83	/	Pass
DFT-s-OFDM QPSK	3590.01	Outer_Full	77.69	82.66	/	Pass
	3624.99	Outer_Full	77.81	83.14	/	Pass
	3660	Outer_Full	77.75	82.92	/	Pass
DFT-s-OFDM 16 QAM	3590.01	Outer_Full	77.71	82.64	/	Pass
	3624.99	Outer_Full	77.65	82.79	/	Pass
	3660	Outer_Full	77.94	82.93	/	Pass
DFT-s-OFDM 64 QAM	3590.01	Outer_Full	77.76	82.89	/	Pass
	3624.99	Outer_Full	77.82	82.78	/	Pass
	3660	Outer_Full	77.79	83.00	/	Pass
DFT-s-OFDM 256 QAM	3590.01	Outer_Full	77.37	82.88	/	Pass
	3624.99	Outer_Full	77.68	83.10	/	Pass
	3660	Outer_Full	77.61	82.55	/	Pass
CP-OFDM QPSK	3590.01	Outer_Full	78.07	82.96	/	Pass
	3624.99	Outer_Full	78.30	83.32	/	Pass
	3660	Outer_Full	78.12	83.25	/	Pass
CP-OFDM 16 QAM	3590.01	Outer_Full	77.83	83.26	/	Pass
	3624.99	Outer_Full	78.24	83.33	/	Pass
	3660	Outer_Full	78.28	83.10	/	Pass
CP-OFDM 64 QAM	3590.01	Outer_Full	78.06	83.15	/	Pass
	3624.99	Outer_Full	78.23	83.45	/	Pass
	3660	Outer_Full	78.28	83.45	/	Pass
CP-OFDM 256 QAM	3590.01	Outer_Full	77.64	82.88	/	Pass
	3624.99	Outer_Full	78.06	82.95	/	Pass
	3660	Outer_Full	78.29	83.26	/	Pass

4.7.2 Test Graph

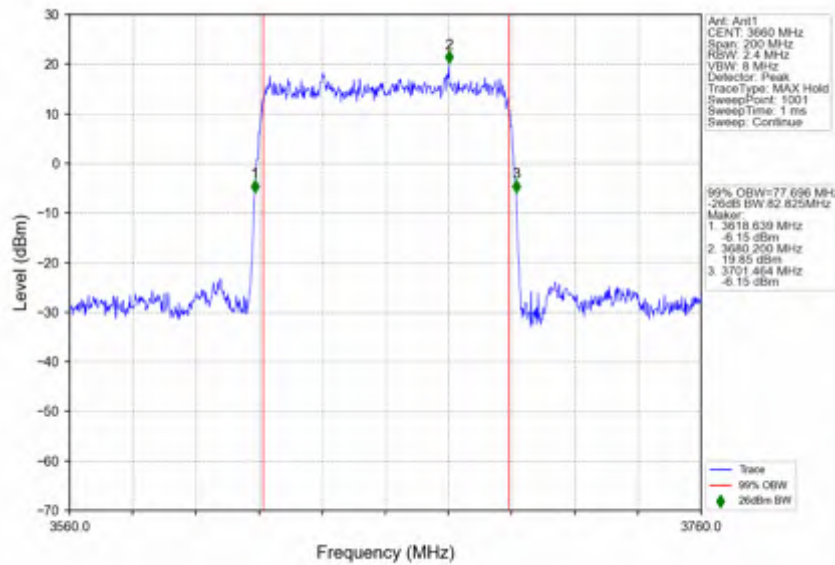
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3590.01MHz_Outer_Full



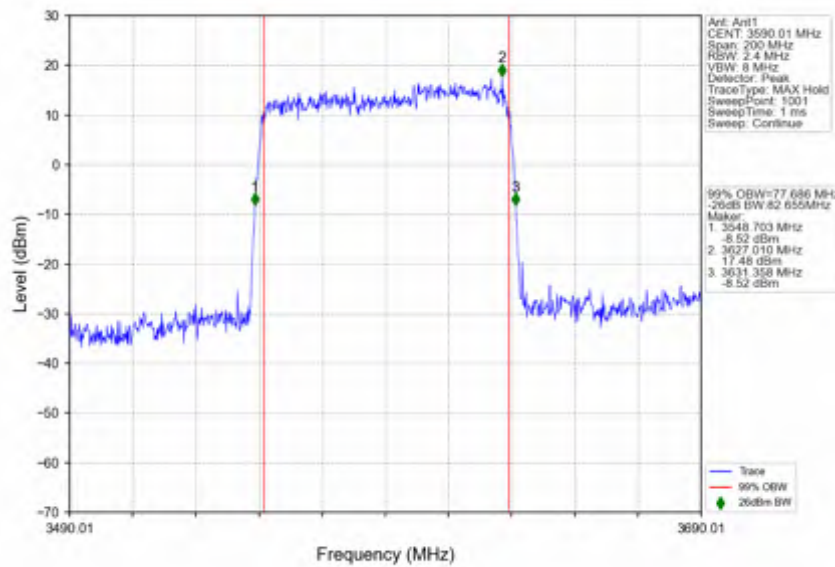
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



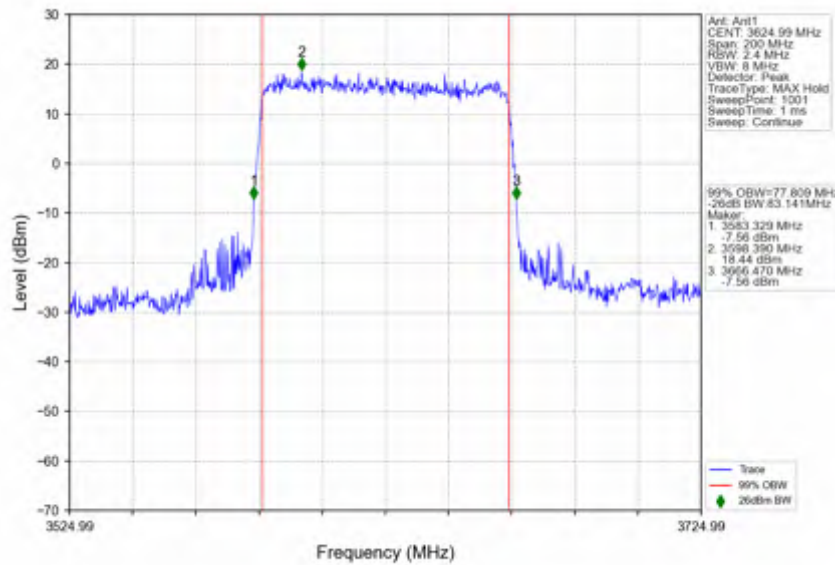
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3660MHz_Outer_Full



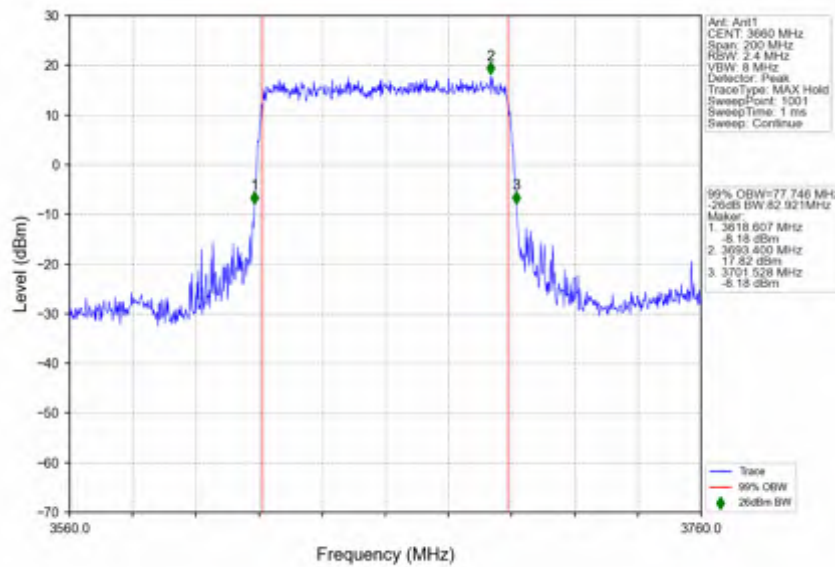
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3590.01MHz_Outer_Full



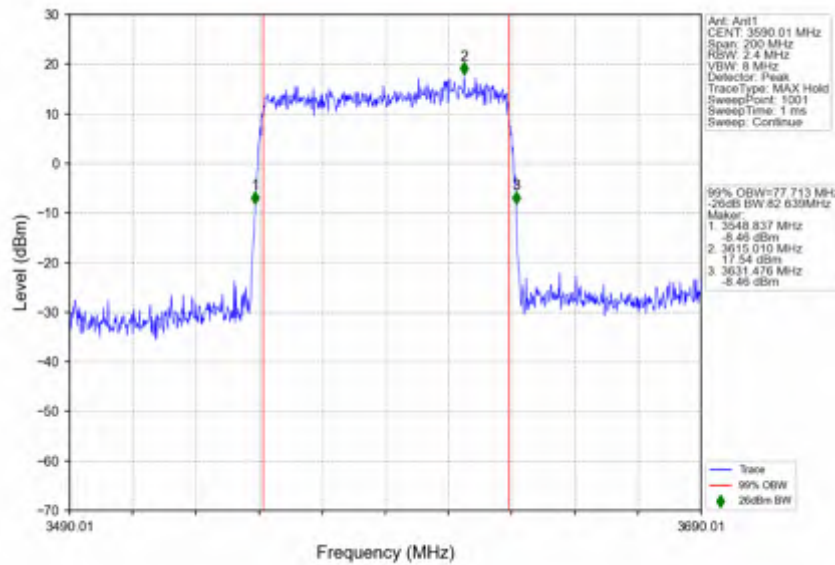
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



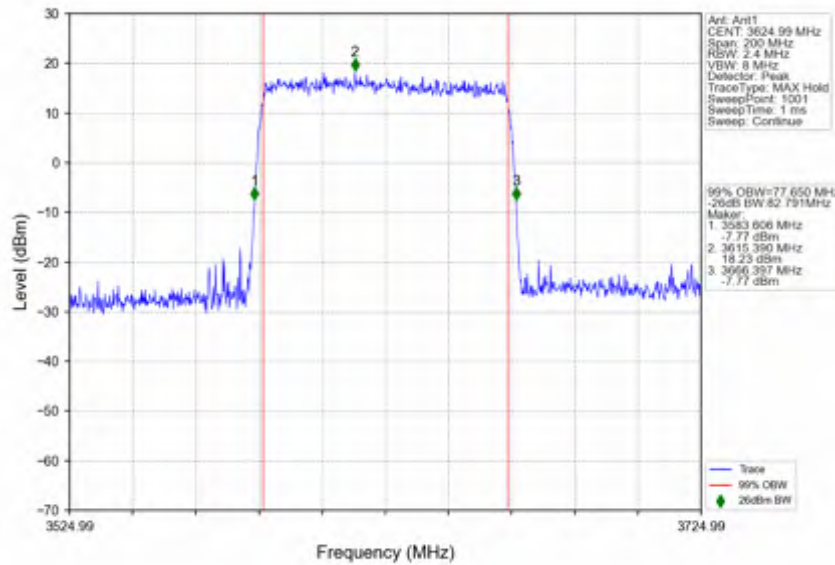
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3660MHz_Outer_Full



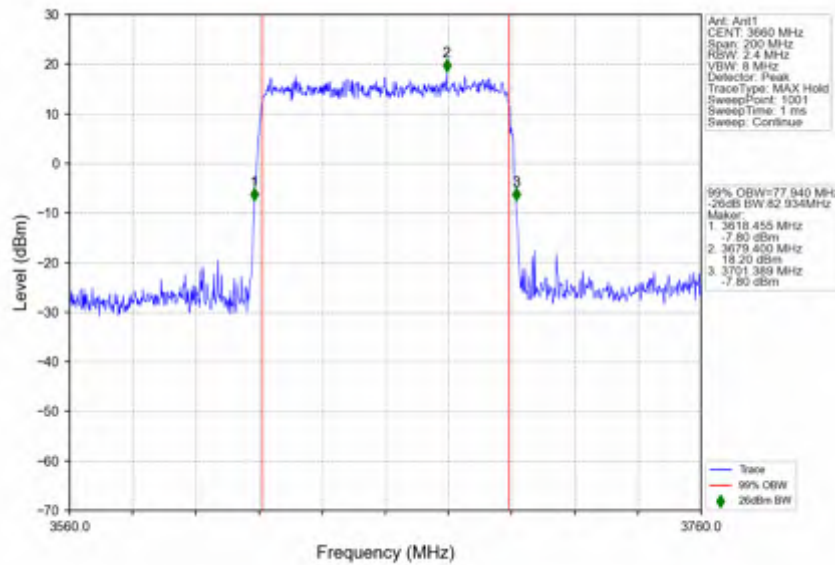
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 16 QAM_3590.01MHz_Outer_Full



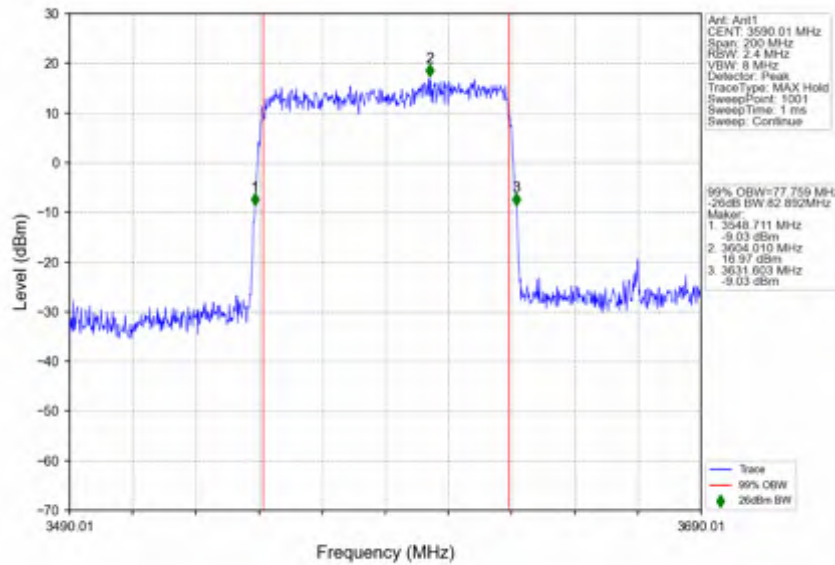
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



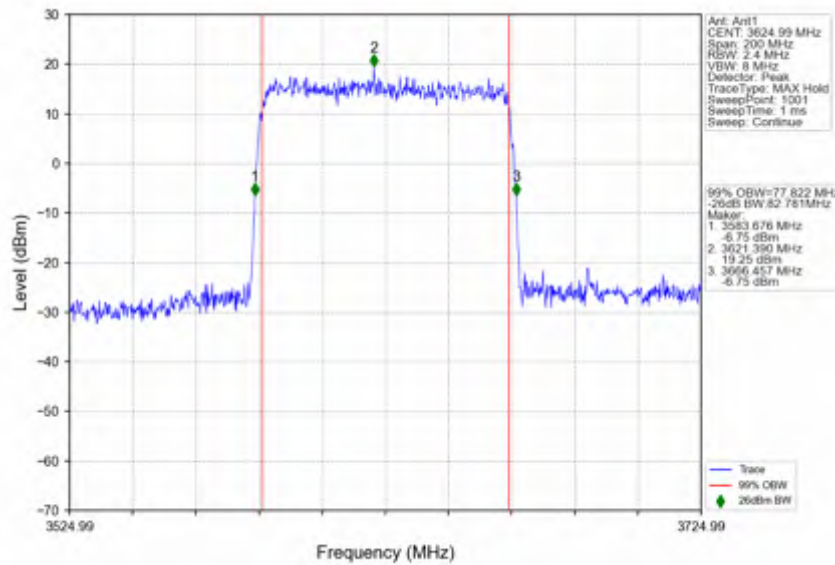
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 16 QAM_3660MHz_Outer_Full



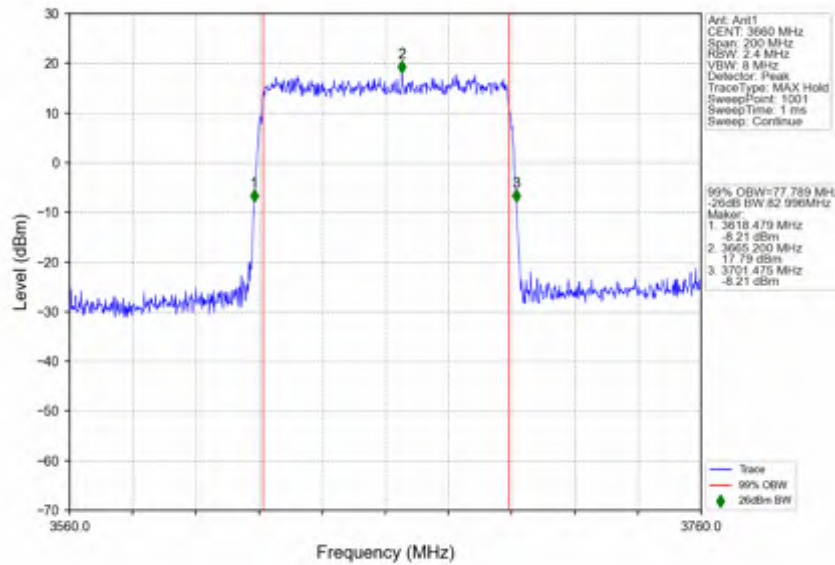
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 64 QAM_3590.01MHz_Outer_Full



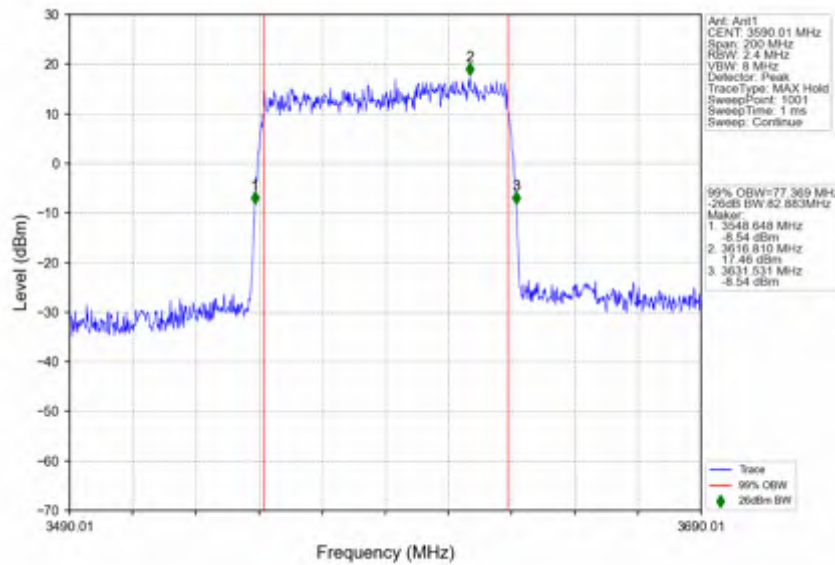
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



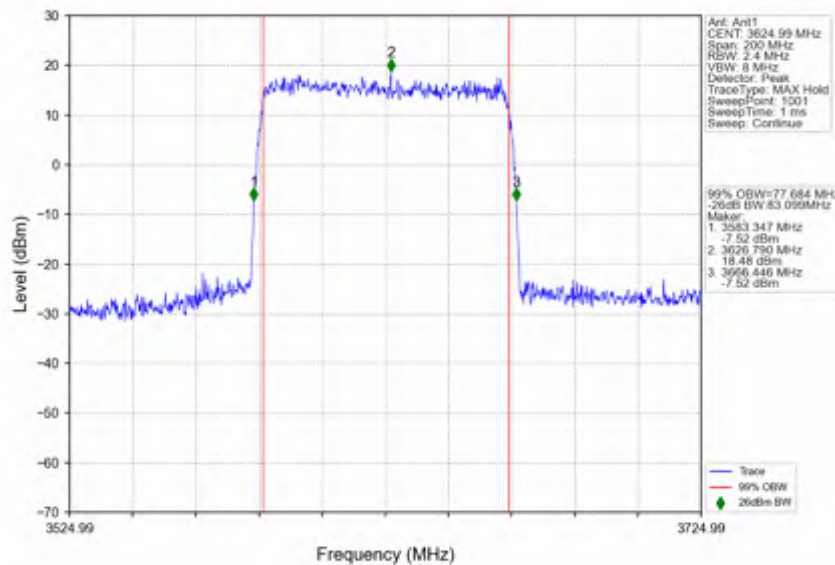
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 64 QAM_3660MHz_Outer_Full



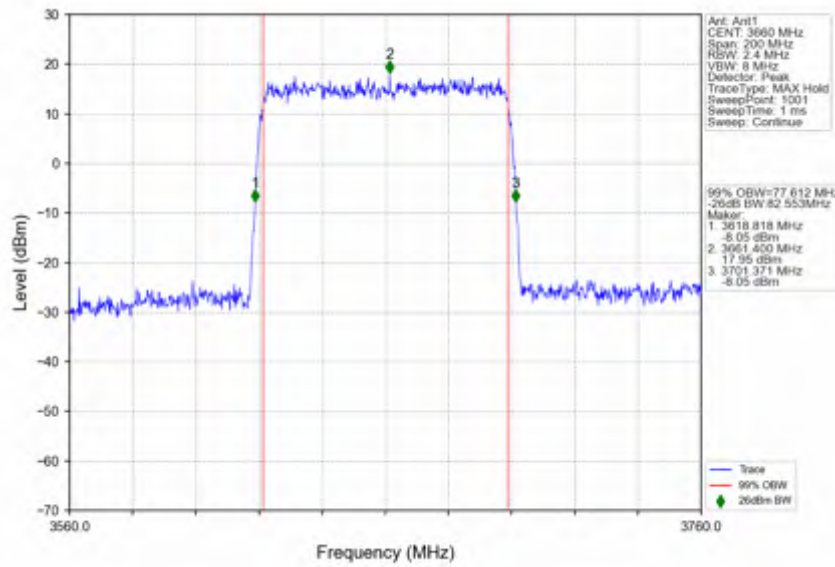
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 256 QAM_3590.01MHz_Outer_Full



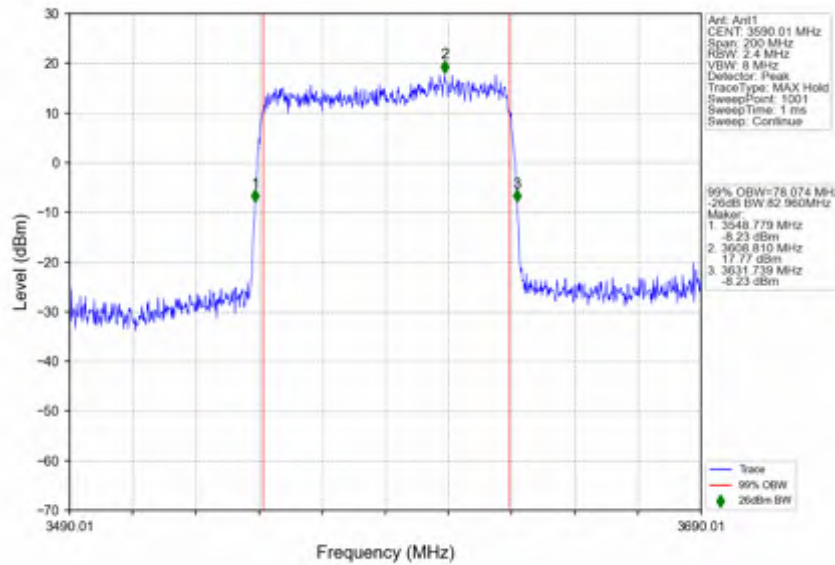
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full



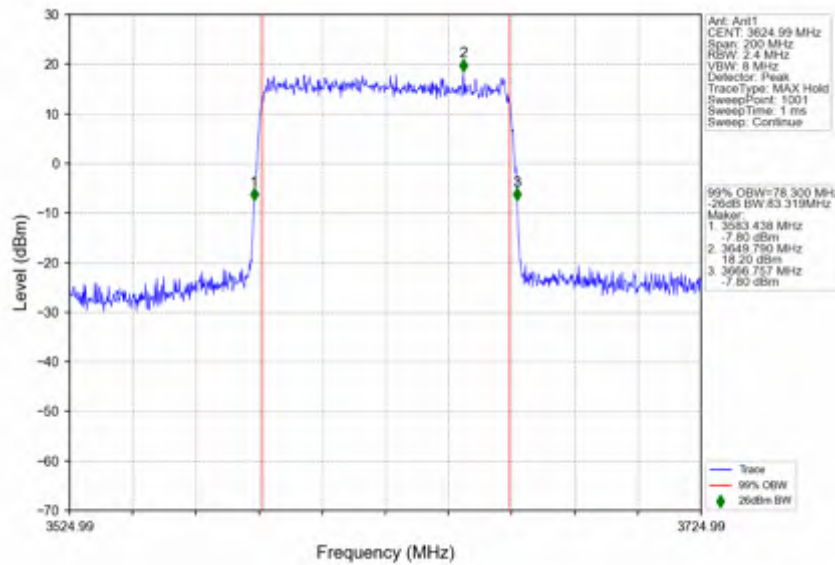
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 256 QAM_3660MHz_Outer_Full



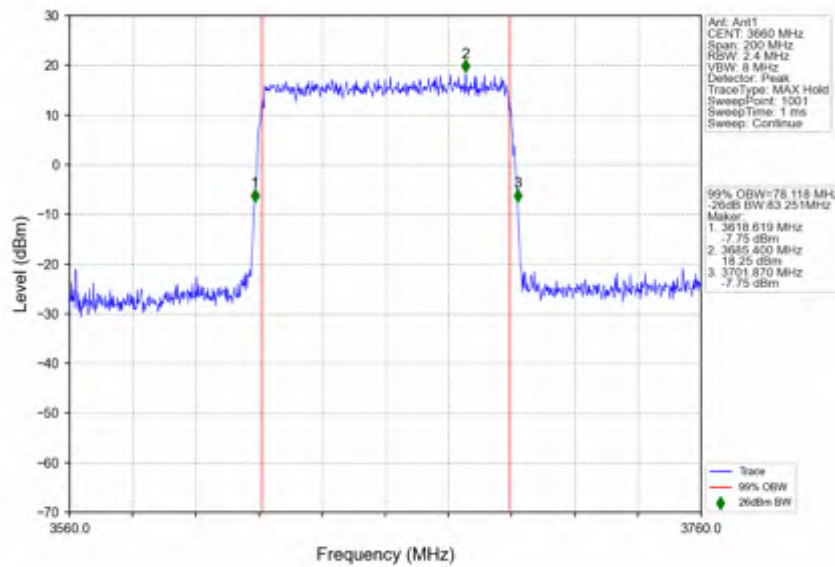
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM QPSK_3590.01MHz_Outer_Full



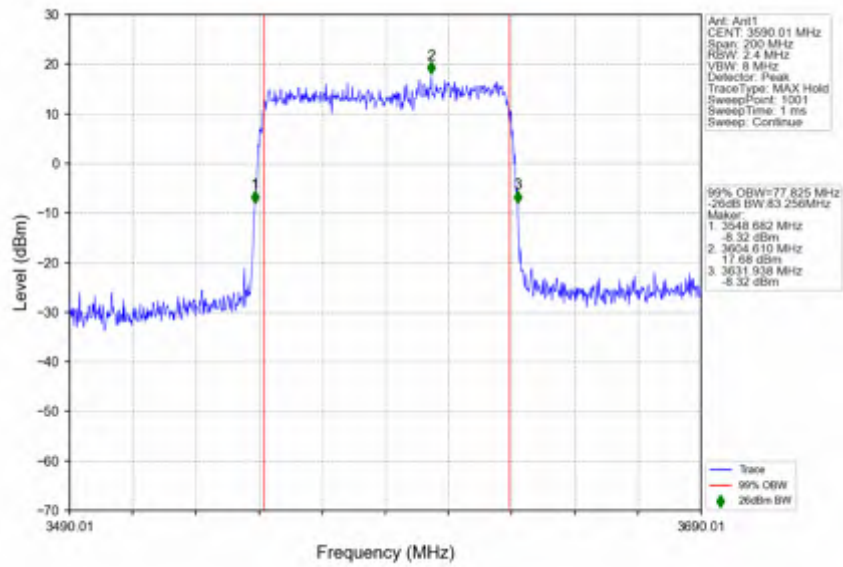
n78(3550-3700MHz)_30kHz_SISO_NTV_80MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



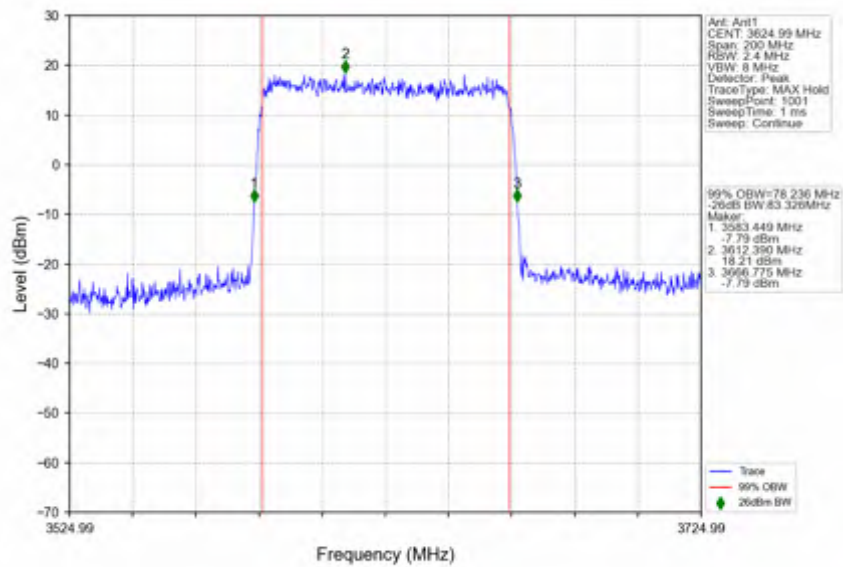
n78(3550-3700MHz)_30kHz_SISO_NTV_80MHz_CP-OFDM QPSK_3660MHz_Outer_Full



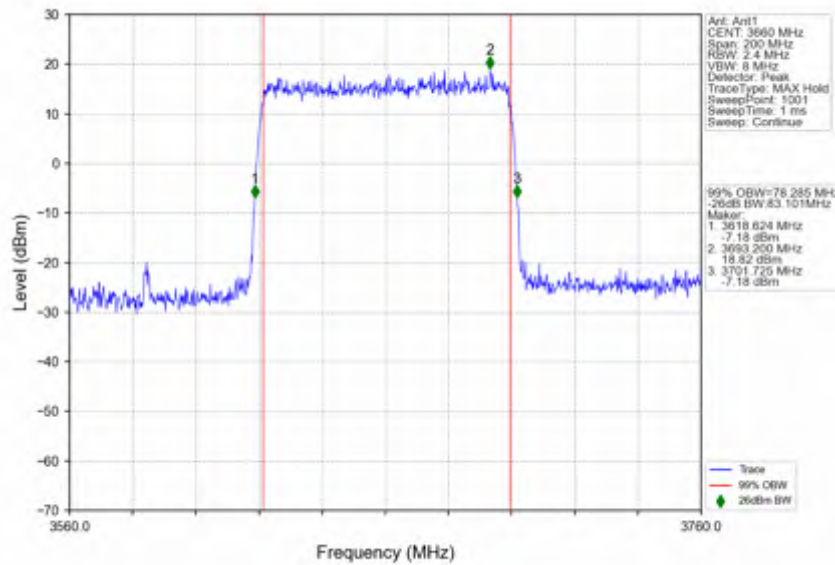
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM 16 QAM_3590.01MHz_Outer_Full



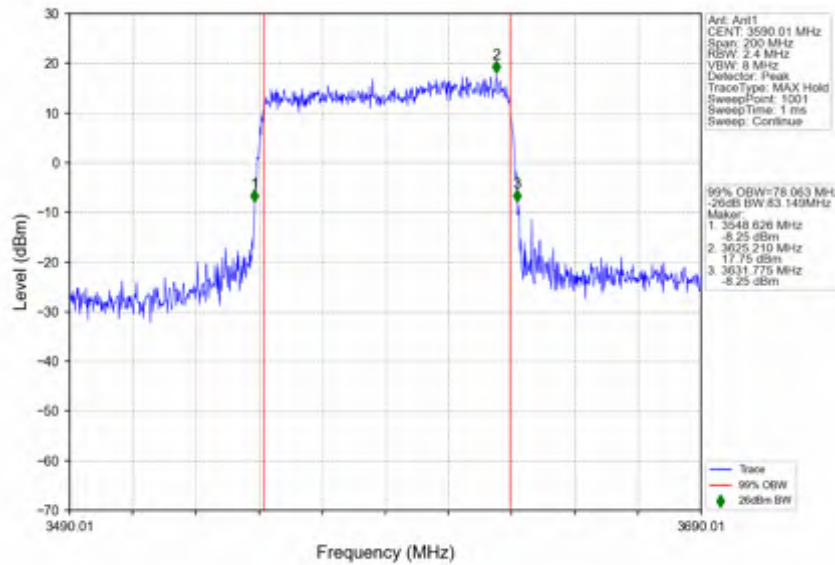
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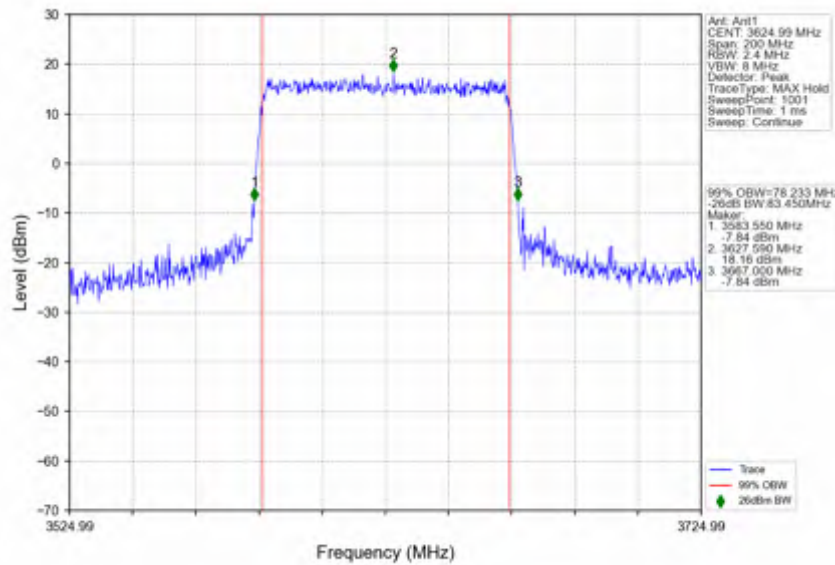
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM 16 QAM_3660MHz_Outer_Full



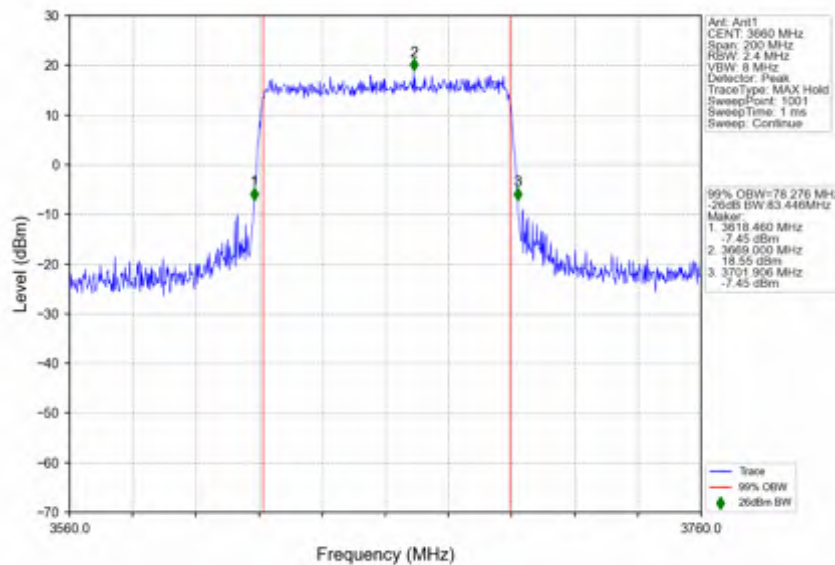
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM_3590.01MHz_Outer_Full



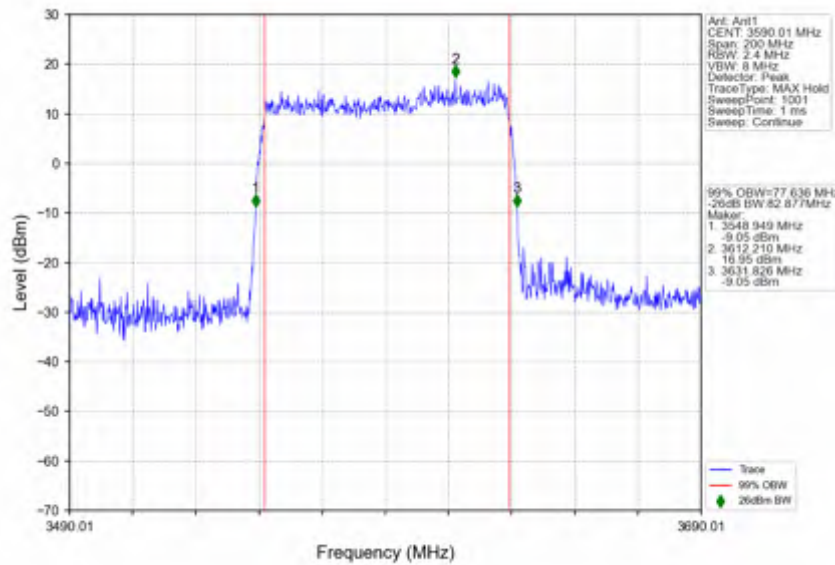
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



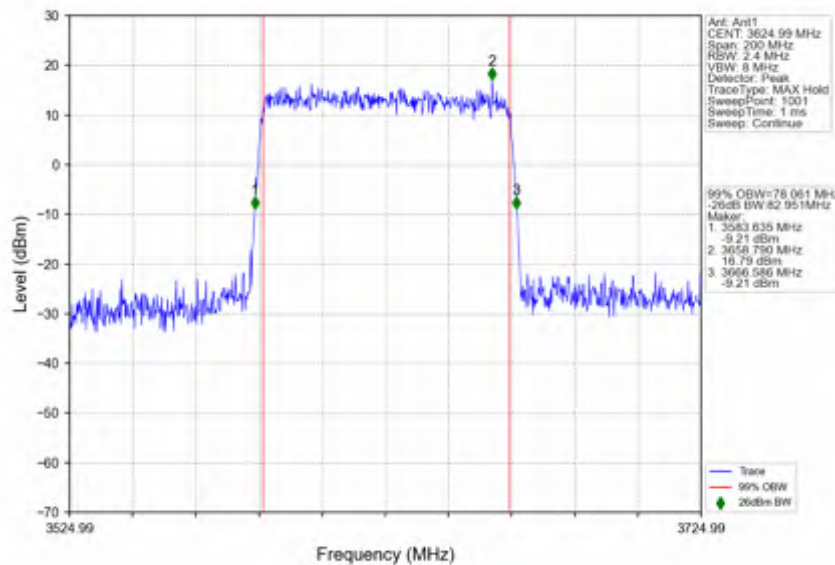
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM_3660MHz_Outer_Full



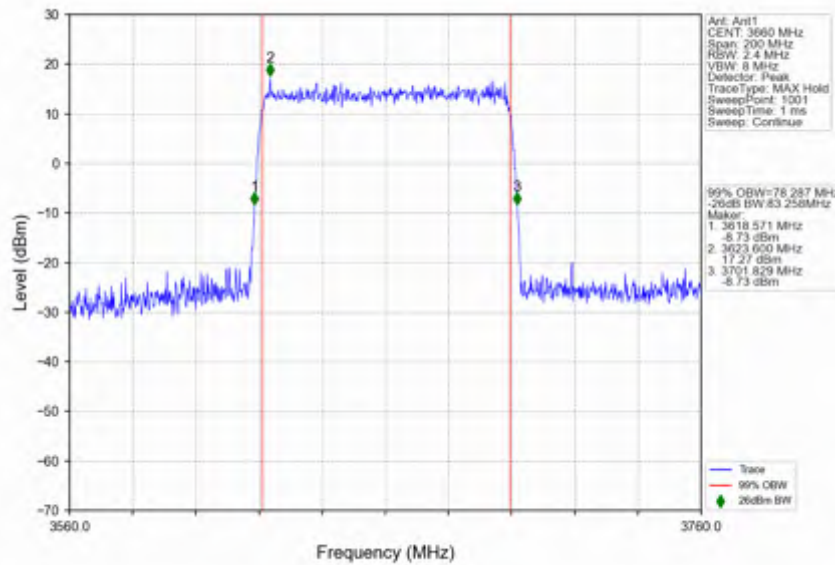
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM 256 QAM_3590.01MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_CP-OFDM 256 QAM_3660MHz_Outer_Full



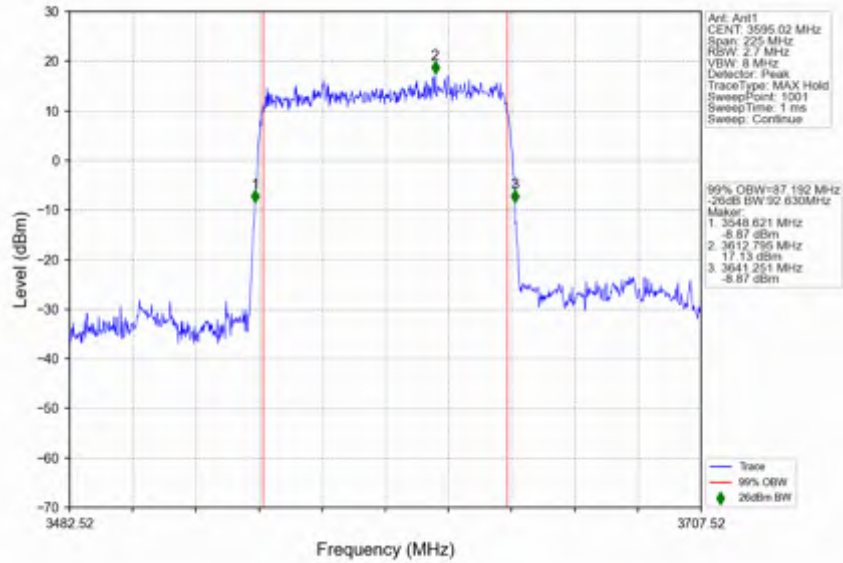
4.8 30k_SISO_90MHz_NTNV

4.8.1 Test Result

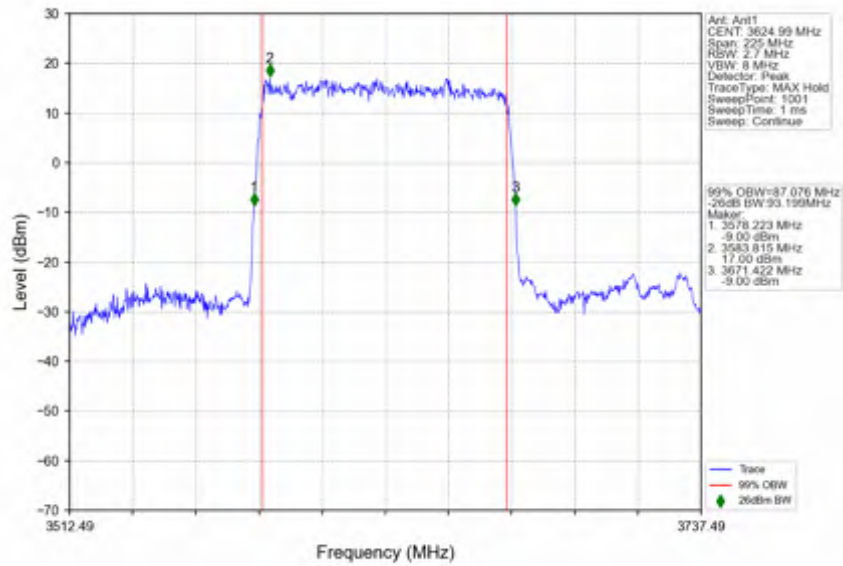
5G NR n78(3550-3700MHz) SCS=30kHz SISO 90MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3595.02	Outer_Full	87.19	92.63	/	Pass
	3624.99	Outer_Full	87.08	93.20	/	Pass
	3654.99	Outer_Full	87.22	93.13	/	Pass
DFT-s-OFDM QPSK	3595.02	Outer_Full	87.41	92.97	/	Pass
	3624.99	Outer_Full	87.36	93.17	/	Pass
	3654.99	Outer_Full	87.39	93.41	/	Pass
DFT-s-OFDM 16 QAM	3595.02	Outer_Full	87.26	92.78	/	Pass
	3624.99	Outer_Full	87.32	93.22	/	Pass
	3654.99	Outer_Full	87.55	93.27	/	Pass
DFT-s-OFDM 64 QAM	3595.02	Outer_Full	87.34	92.84	/	Pass
	3624.99	Outer_Full	87.50	93.02	/	Pass
	3654.99	Outer_Full	87.56	93.16	/	Pass
DFT-s-OFDM 256 QAM	3595.02	Outer_Full	87.30	92.92	/	Pass
	3624.99	Outer_Full	87.34	93.16	/	Pass
	3654.99	Outer_Full	87.28	93.06	/	Pass
CP-OFDM QPSK	3595.02	Outer_Full	88.08	93.42	/	Pass
	3624.99	Outer_Full	88.12	93.79	/	Pass
	3654.99	Outer_Full	88.14	94.00	/	Pass
CP-OFDM 16 QAM	3595.02	Outer_Full	87.84	93.44	/	Pass
	3624.99	Outer_Full	88.04	93.60	/	Pass
	3654.99	Outer_Full	88.29	93.56	/	Pass
CP-OFDM 64 QAM	3595.02	Outer_Full	88.17	93.66	/	Pass
	3624.99	Outer_Full	88.07	93.89	/	Pass
	3654.99	Outer_Full	88.19	93.97	/	Pass
CP-OFDM 256 QAM	3595.02	Outer_Full	88.35	93.56	/	Pass
	3624.99	Outer_Full	88.33	93.81	/	Pass
	3654.99	Outer_Full	88.21	93.98	/	Pass

4.8.2 Test Graph

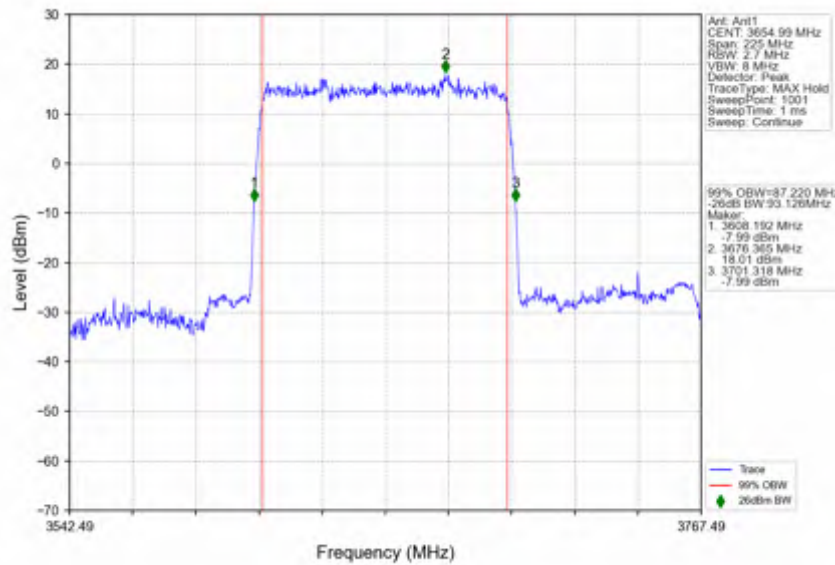
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3595.02MHz_Outer_Full



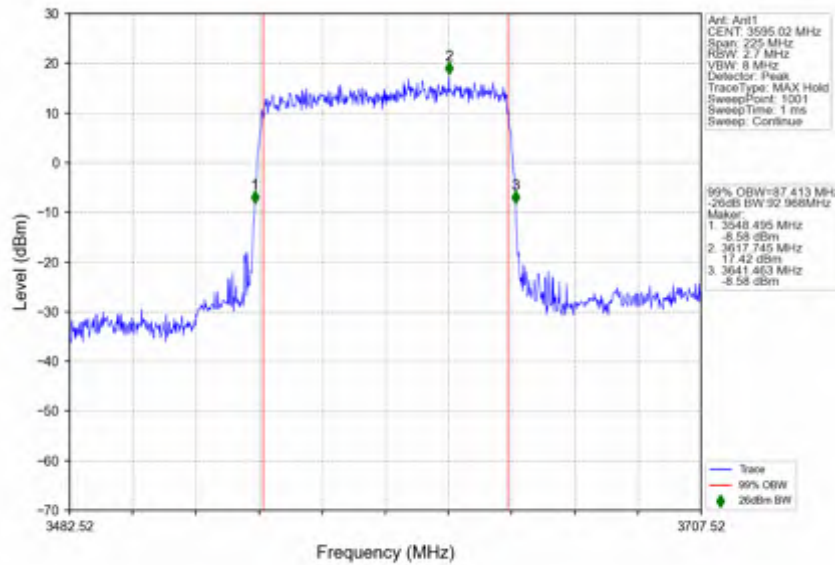
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



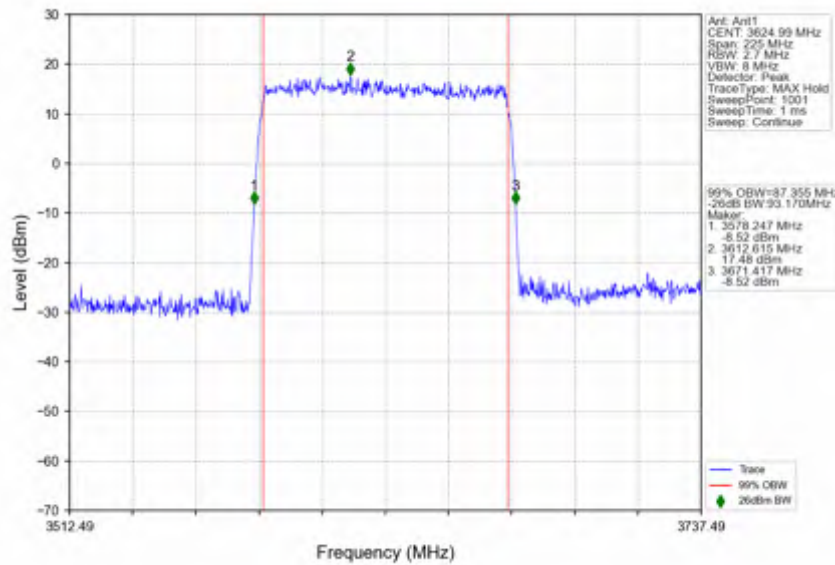
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3654.99MHz_Outer_Full



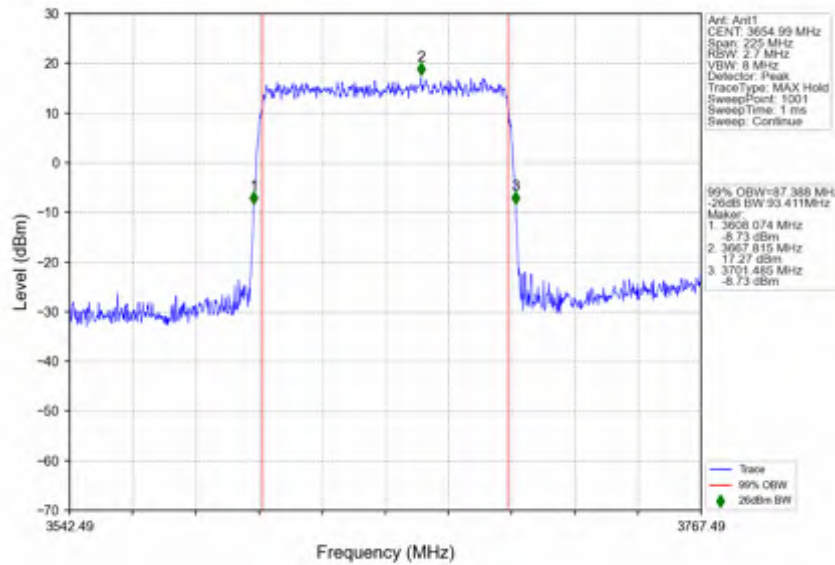
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3595.02MHz_Outer_Full



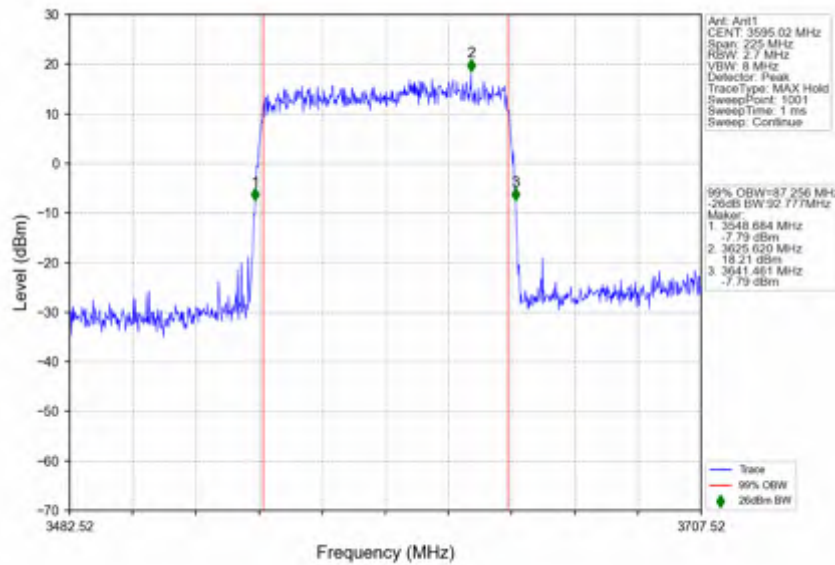
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



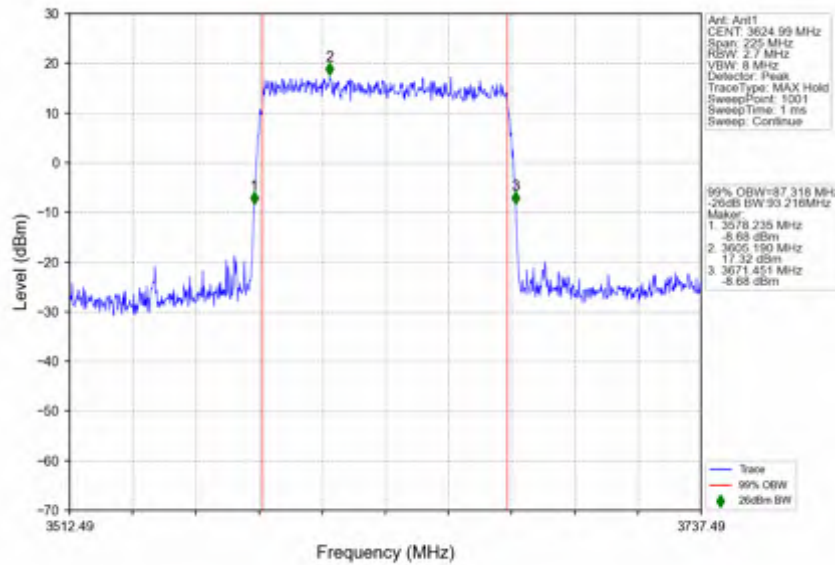
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3654.99MHz_Outer_Full



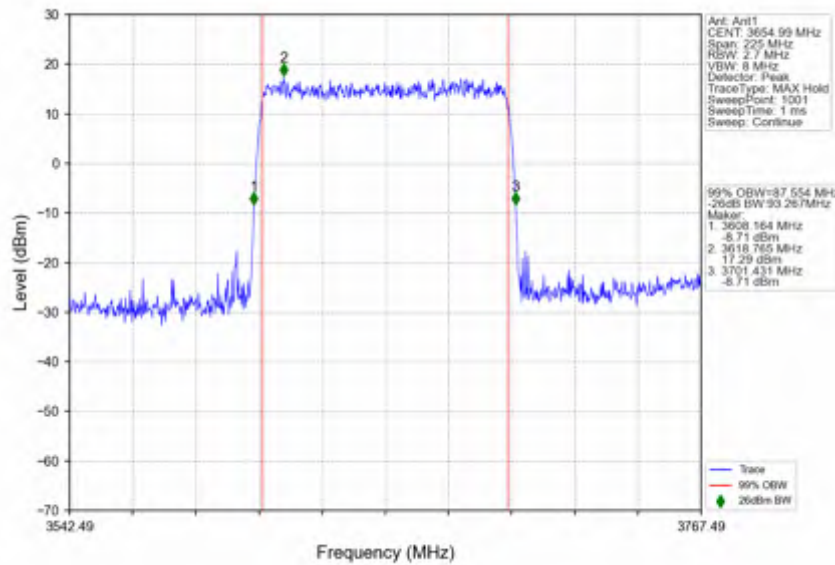
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 16 QAM_3595.02MHz_Outer_Full



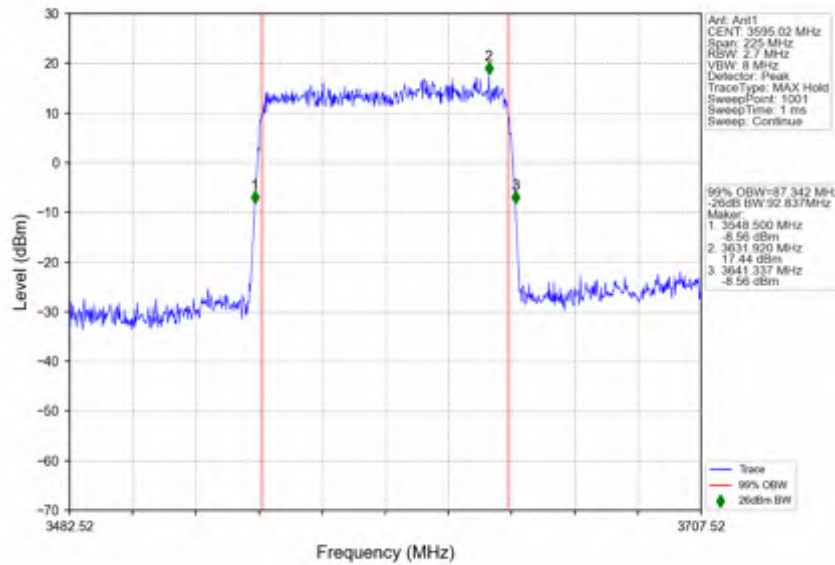
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



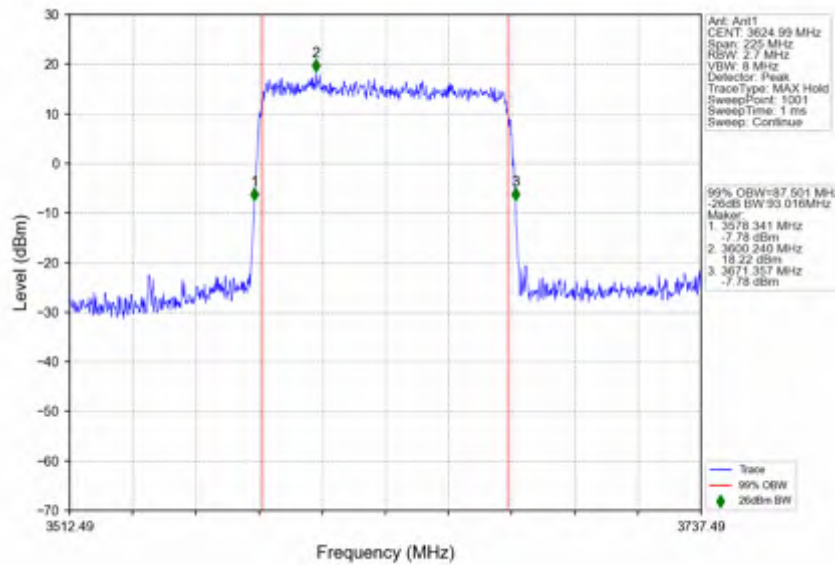
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 16 QAM_3654.99MHz_Outer_Full



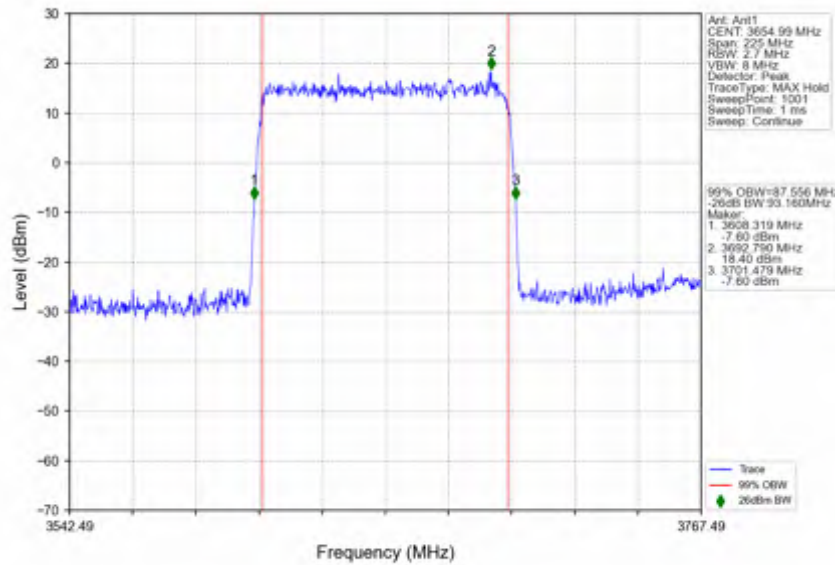
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 64 QAM_3595.02MHz_Outer_Full



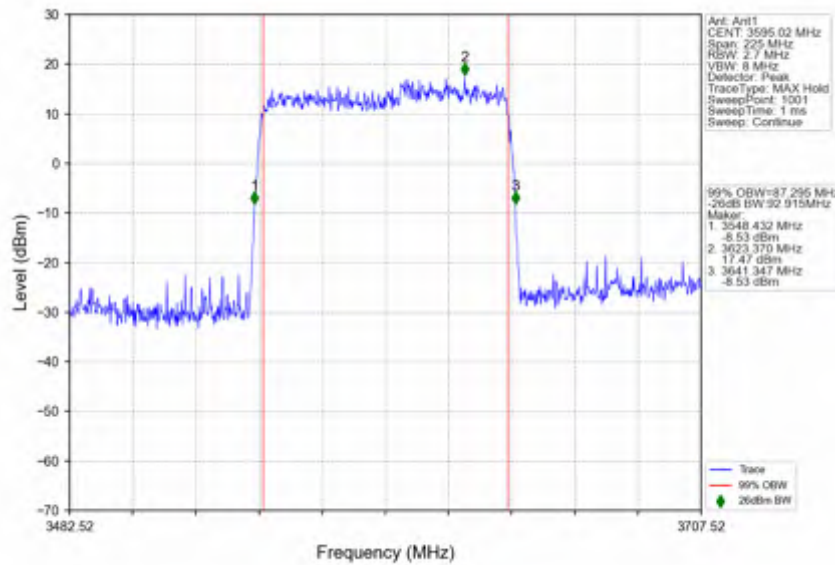
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



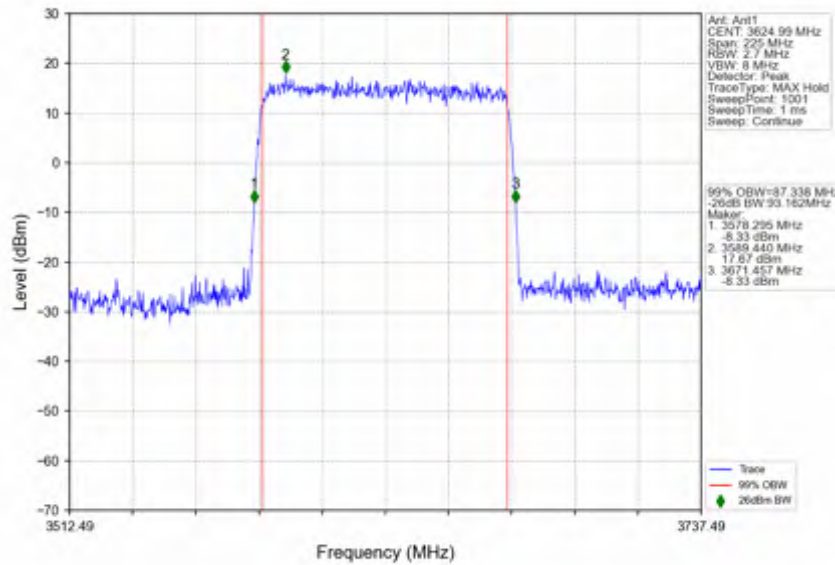
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 64 QAM_3654.99MHz_Outer_Full



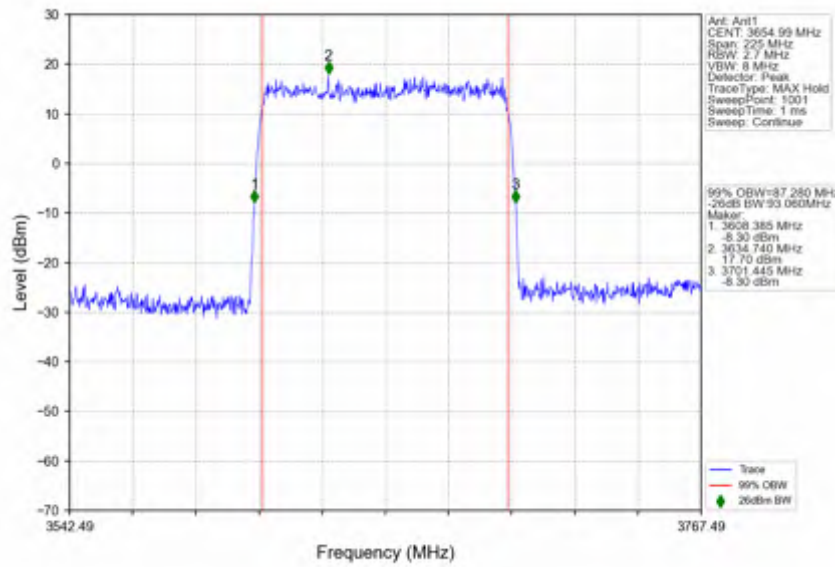
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3595.02MHz_Outer_Full



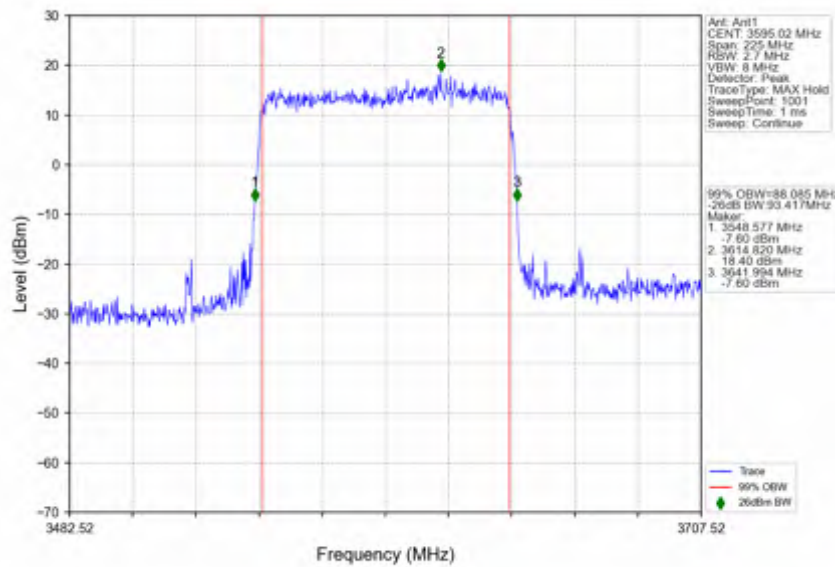
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



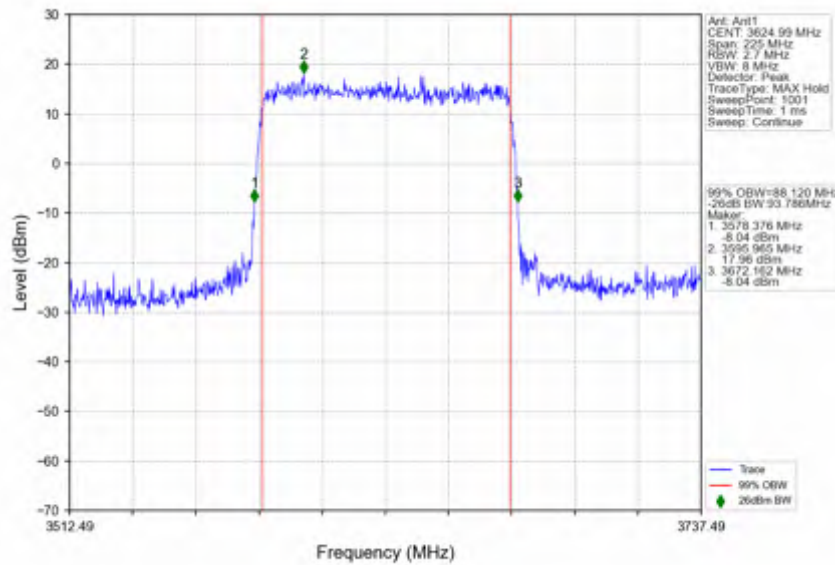
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 256 QAM_3654.99MHz_Outer_Full



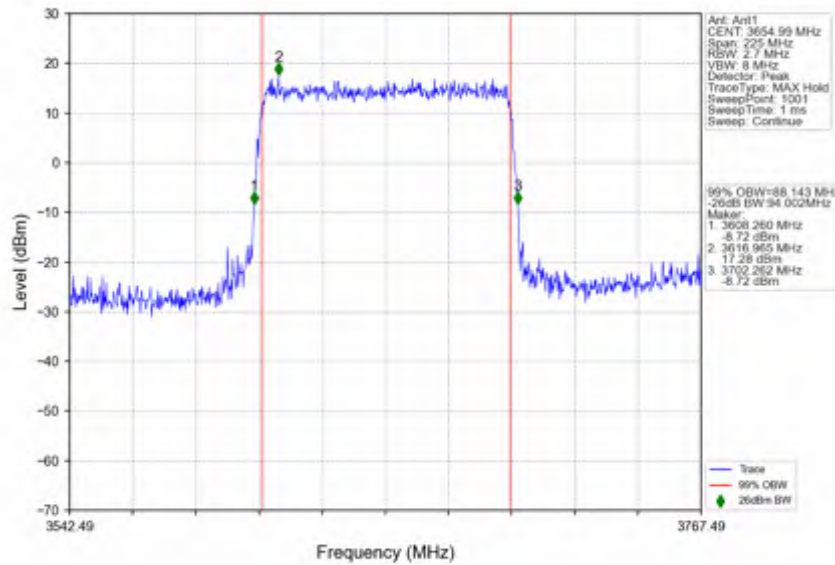
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3595.02MHz_Outer_Full



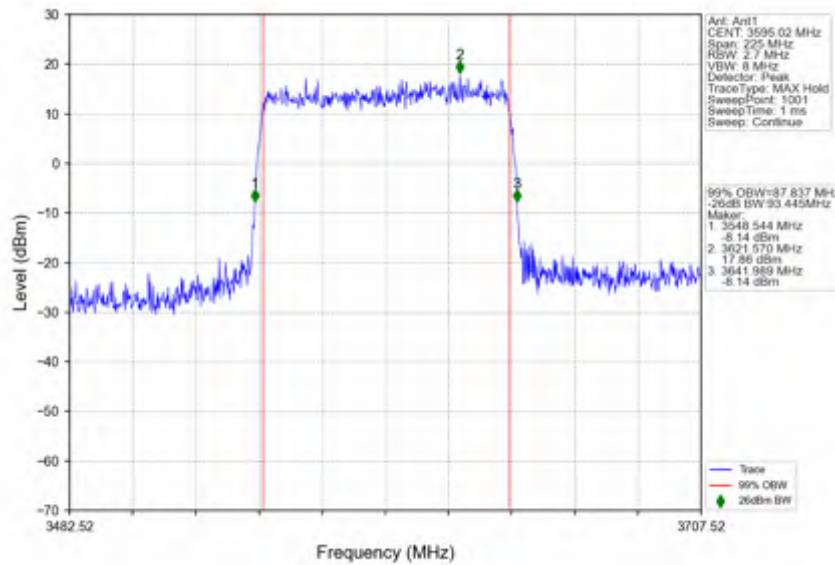
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



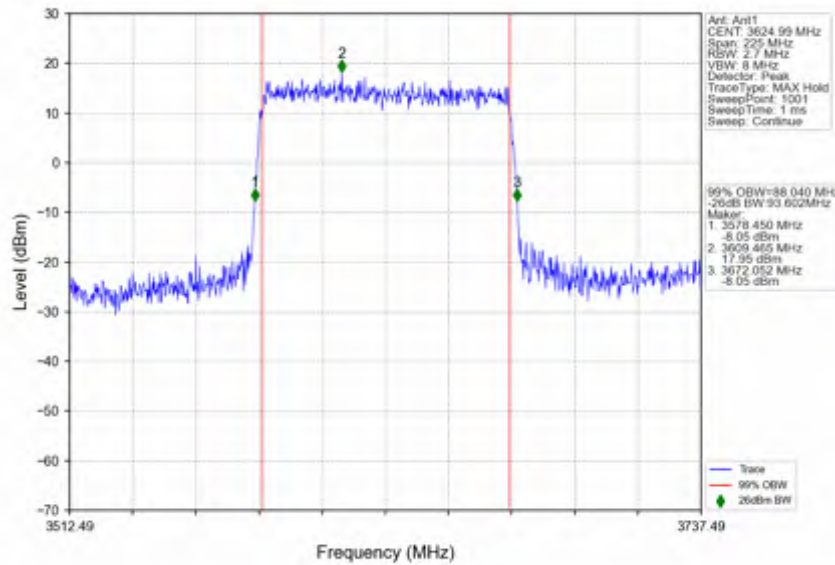
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3654.99MHz_Outer_Full



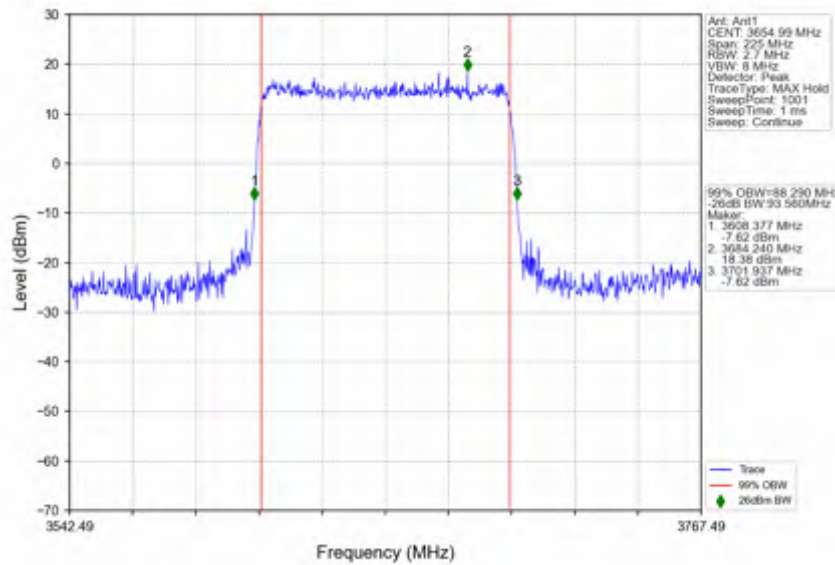
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM 16 QAM_3595.02MHz_Outer_Full



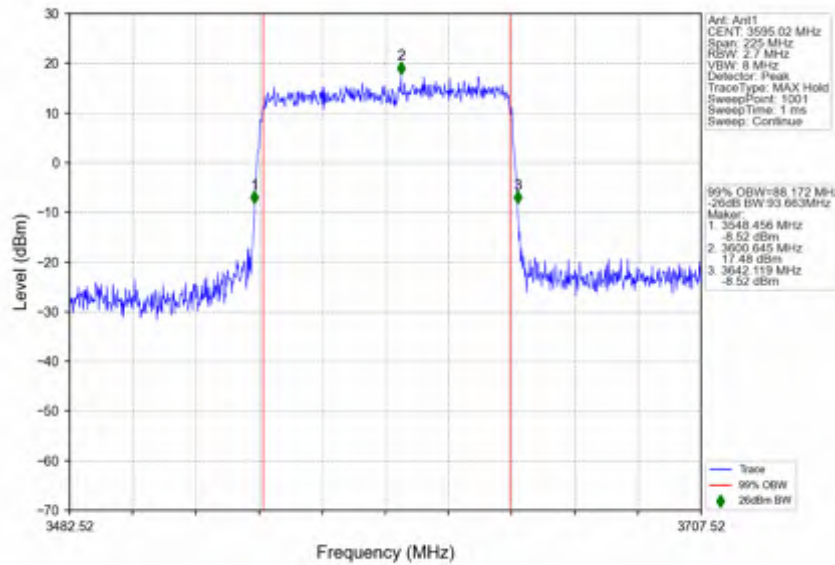
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



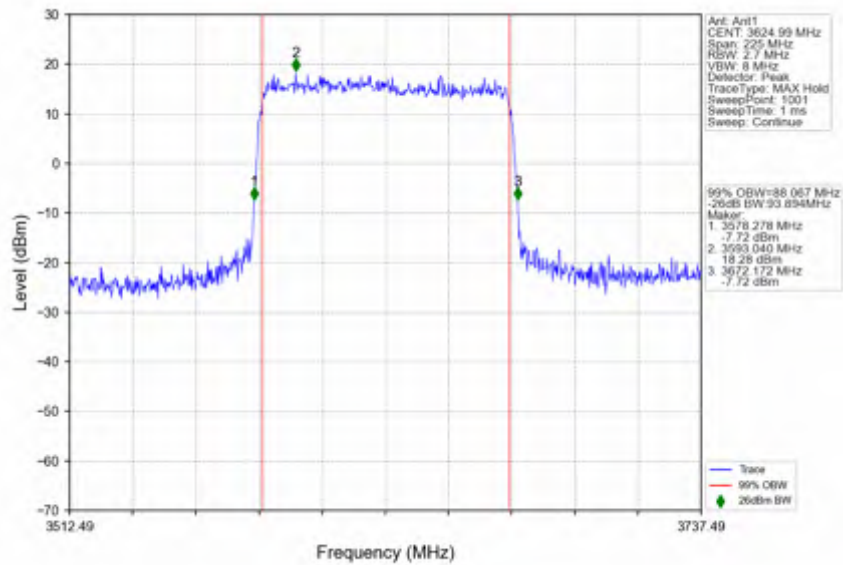
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM 16 QAM_3654.99MHz_Outer_Full



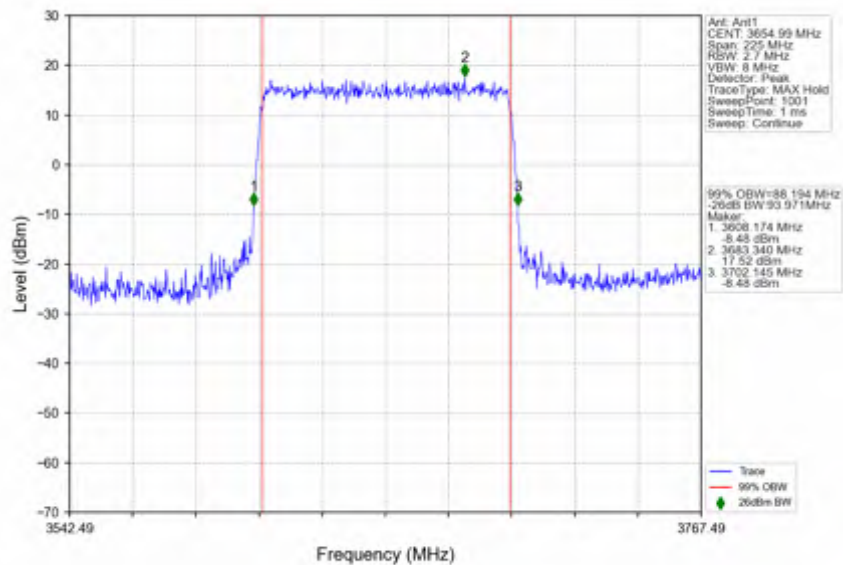
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM 64 QAM_3595.02MHz_Outer_Full



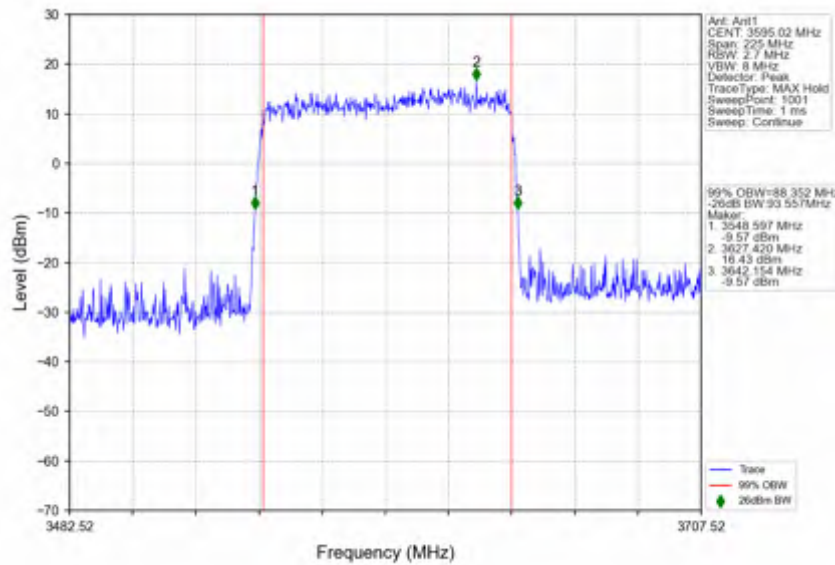
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



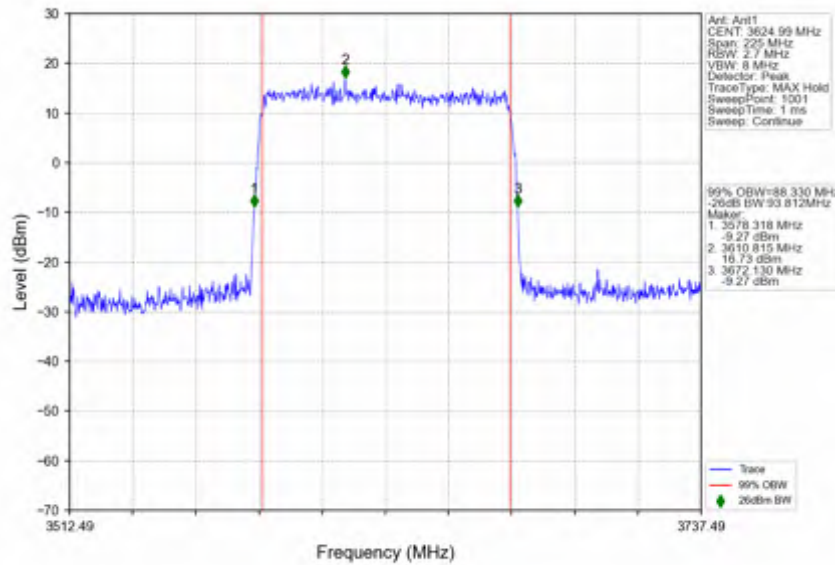
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM 64 QAM_3654.99MHz_Outer_Full



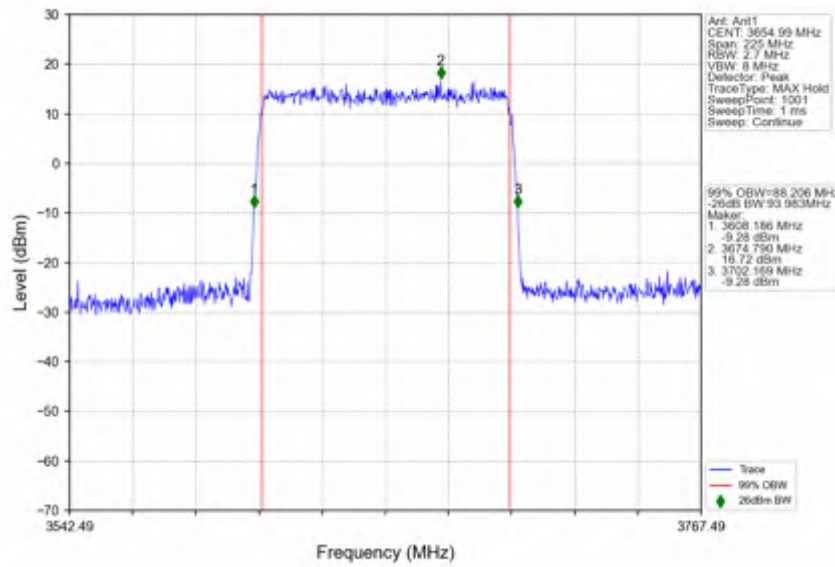
n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM 256 QAM_3595.02MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_90MHz_CP-OFDM 256 QAM_3654.99MHz_Outer_Full





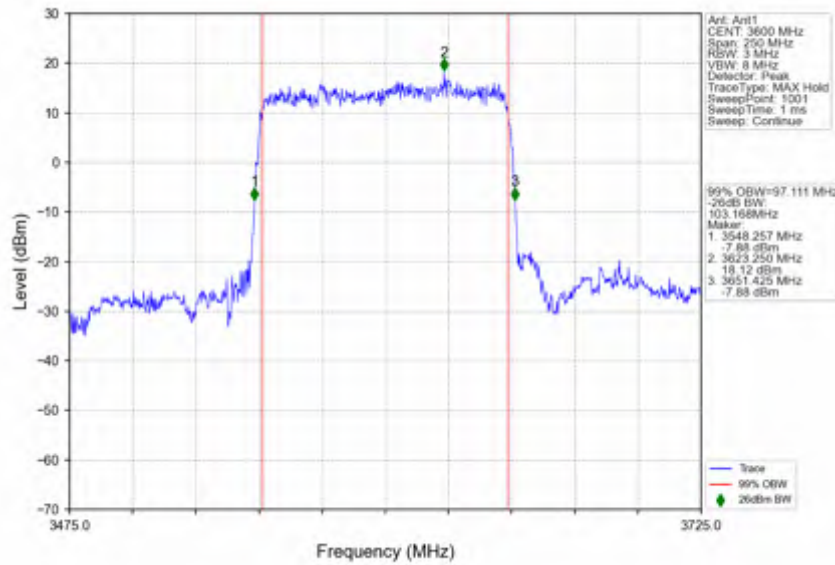
4.9 30k_SISO_100MHz_NTNV

4.9.1 Test Result

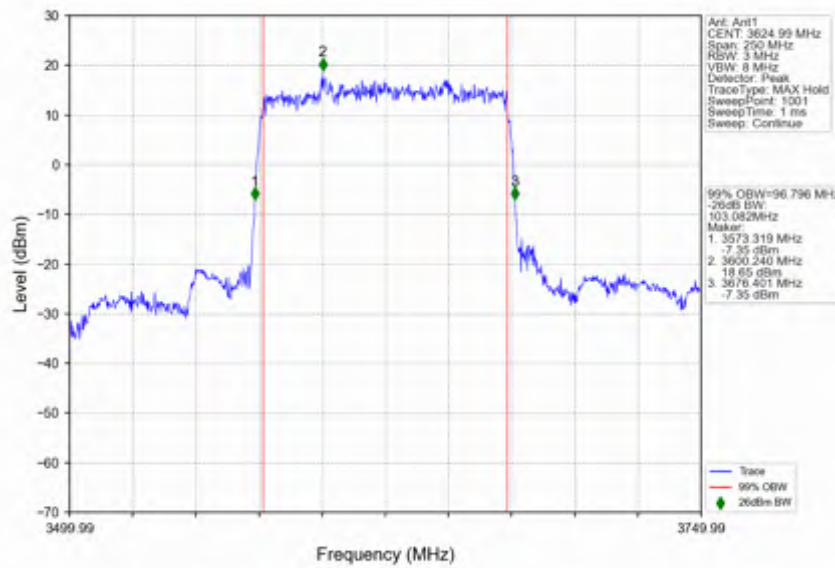
5G NR n78(3550-3700MHz) SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3600	Outer_Full	97.11	103.17	/	Pass
	3624.99	Outer_Full	96.80	103.08	/	Pass
	3649.98	Outer_Full	97.14	103.47	/	Pass
DFT-s-OFDM QPSK	3600	Outer_Full	96.60	103.22	/	Pass
	3624.99	Outer_Full	97.03	103.66	/	Pass
	3649.98	Outer_Full	97.34	103.75	/	Pass
DFT-s-OFDM 16 QAM	3600	Outer_Full	97.32	103.15	/	Pass
	3624.99	Outer_Full	97.15	103.41	/	Pass
	3649.98	Outer_Full	97.42	103.71	/	Pass
DFT-s-OFDM 64 QAM	3600	Outer_Full	97.06	103.45	/	Pass
	3624.99	Outer_Full	97.05	103.36	/	Pass
	3649.98	Outer_Full	97.08	103.48	/	Pass
DFT-s-OFDM 256 QAM	3600	Outer_Full	96.77	103.27	/	Pass
	3624.99	Outer_Full	96.97	103.40	/	Pass
	3649.98	Outer_Full	97.66	103.59	/	Pass
CP-OFDM QPSK	3600	Outer_Full	98.28	104.42	/	Pass
	3624.99	Outer_Full	98.09	104.22	/	Pass
	3649.98	Outer_Full	98.00	104.56	/	Pass
CP-OFDM 16 QAM	3600	Outer_Full	97.91	104.38	/	Pass
	3624.99	Outer_Full	98.10	104.58	/	Pass
	3649.98	Outer_Full	98.43	104.42	/	Pass
CP-OFDM 64 QAM	3600	Outer_Full	98.25	104.21	/	Pass
	3624.99	Outer_Full	98.37	104.68	/	Pass
	3649.98	Outer_Full	98.53	104.88	/	Pass
CP-OFDM 256 QAM	3600	Outer_Full	97.98	104.13	/	Pass
	3624.99	Outer_Full	98.15	104.33	/	Pass
	3649.98	Outer_Full	98.23	104.44	/	Pass

4.9.2 Test Graph

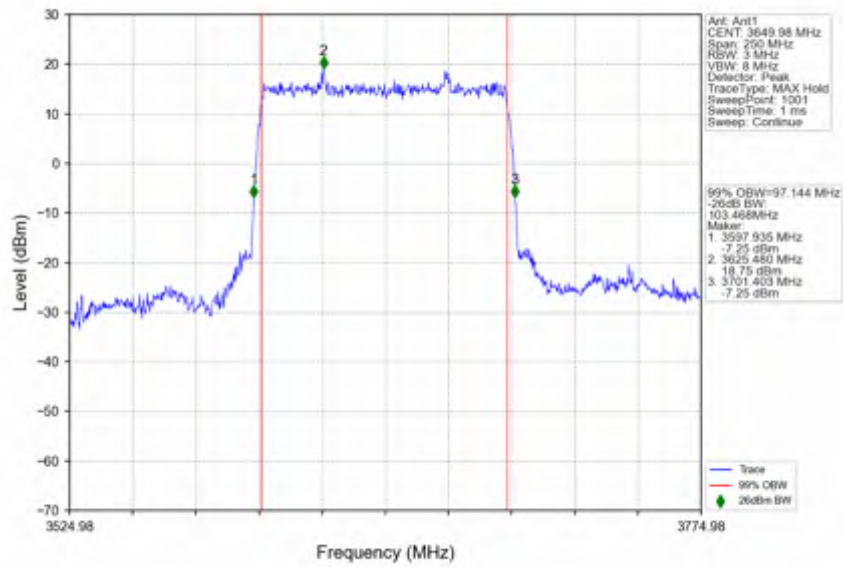
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_PI/2_BPSK_3600MHz_Outer_Full



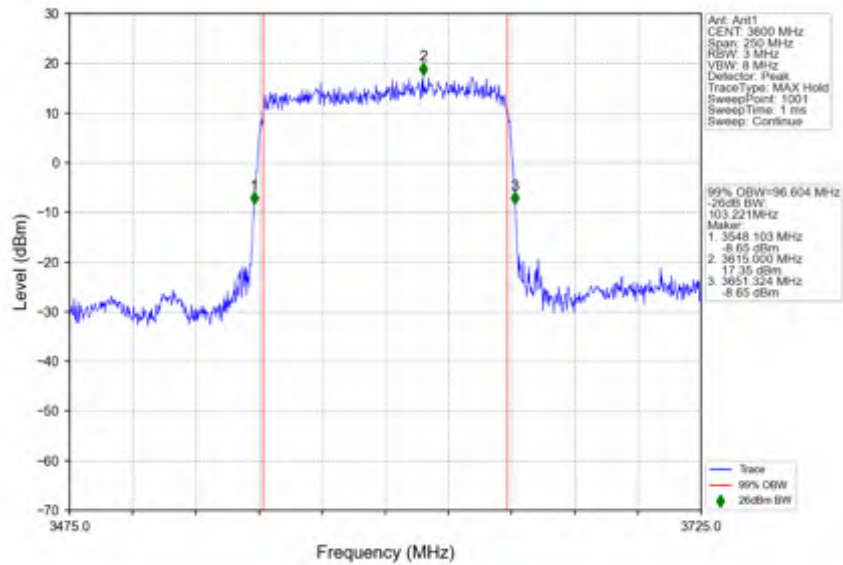
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_PI/2_BPSK_3624.99MHz_Outer_Full



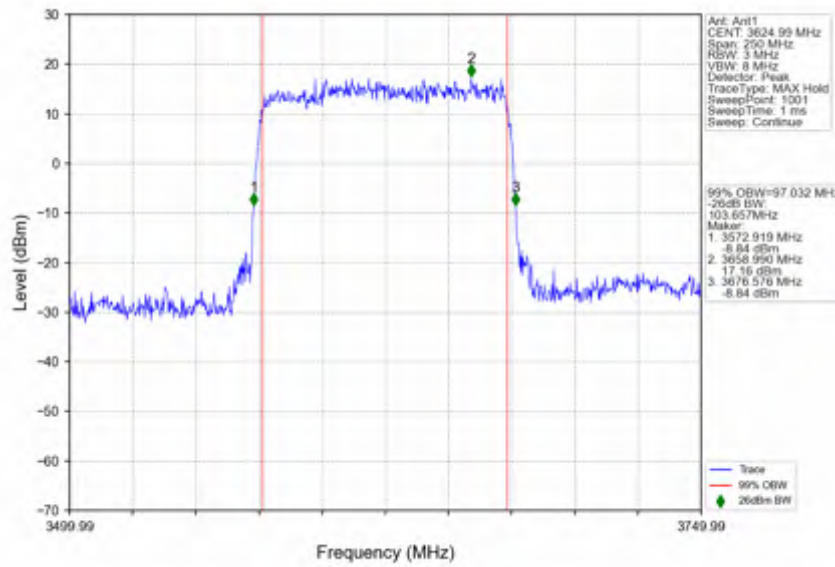
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3649.98MHz_Outer_Full



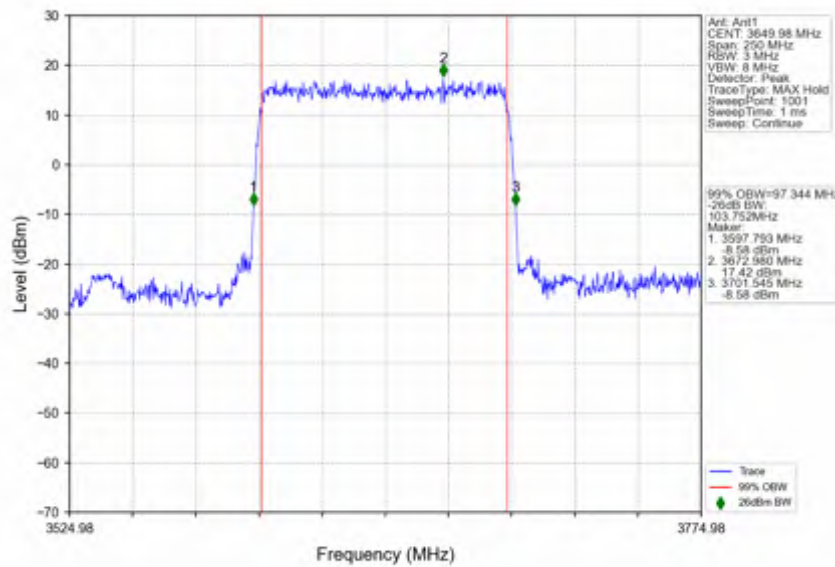
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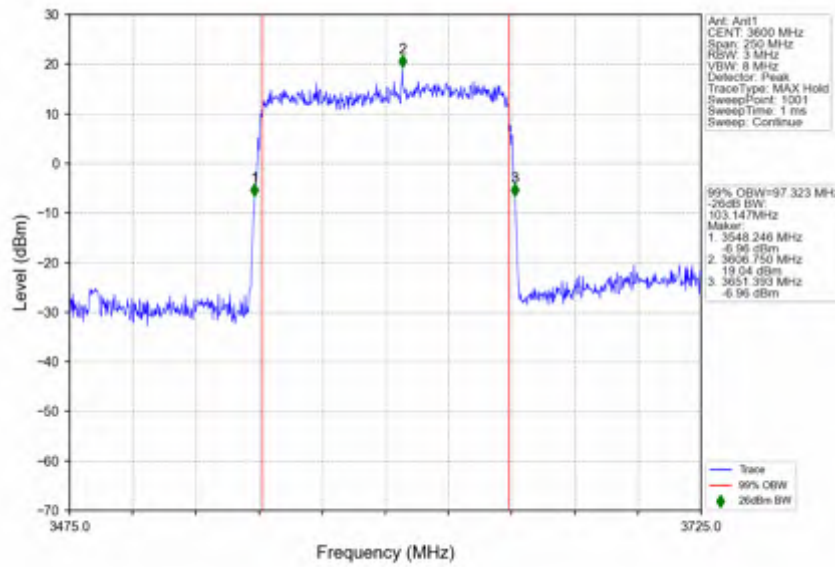
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



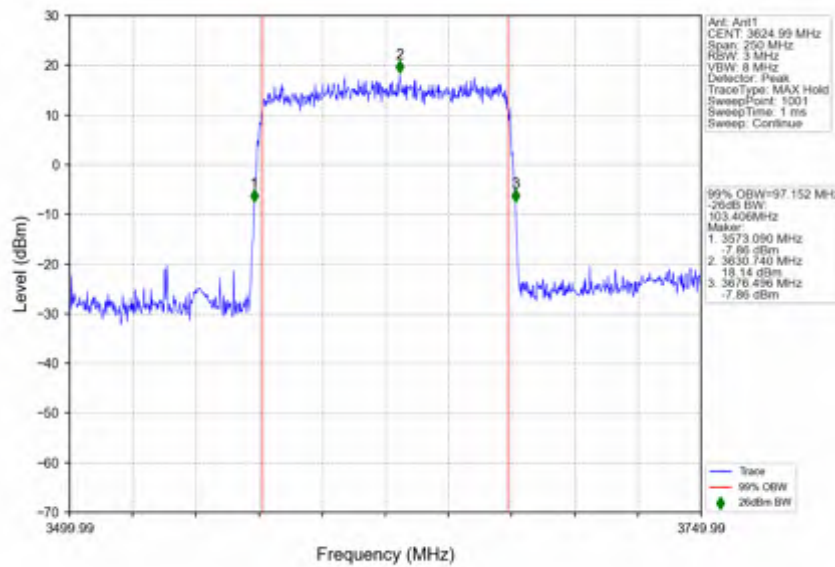
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3649.98MHz_Outer_Full



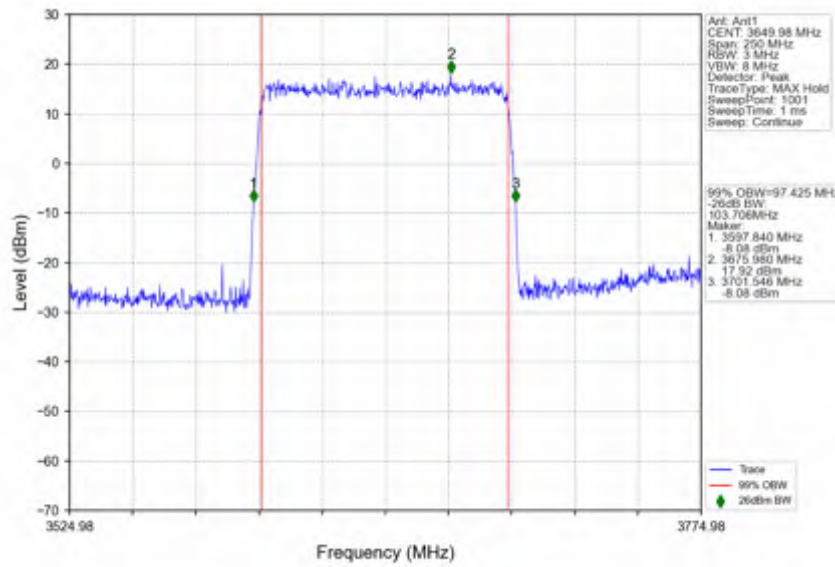
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 16 QAM_3600MHz_Outer_Full



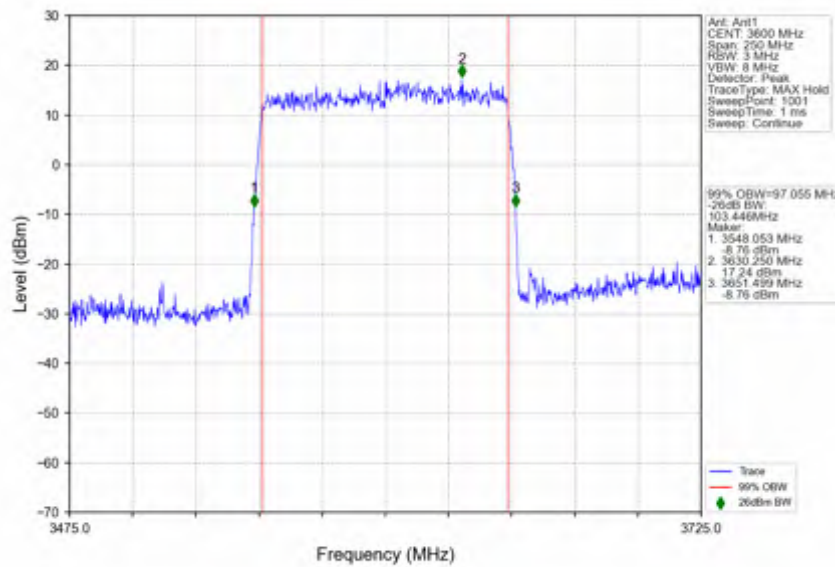
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



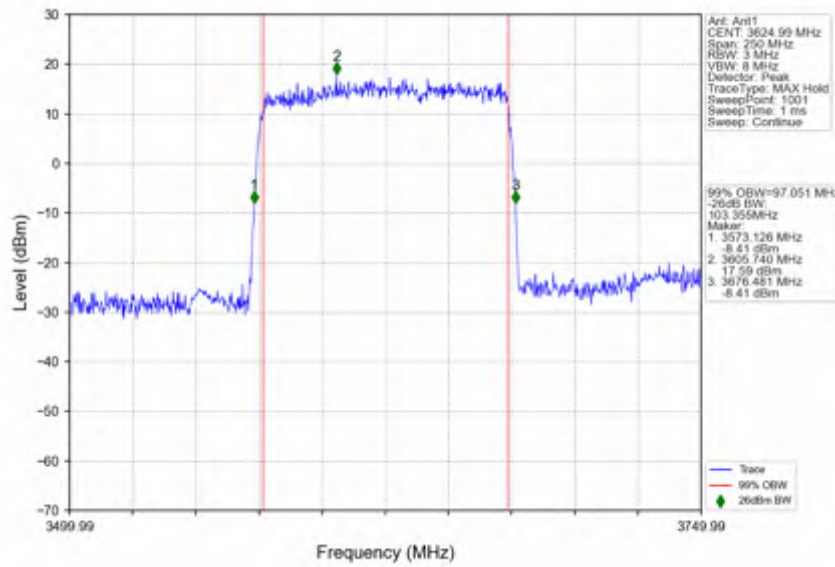
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 16 QAM_3649.98MHz_Outer_Full



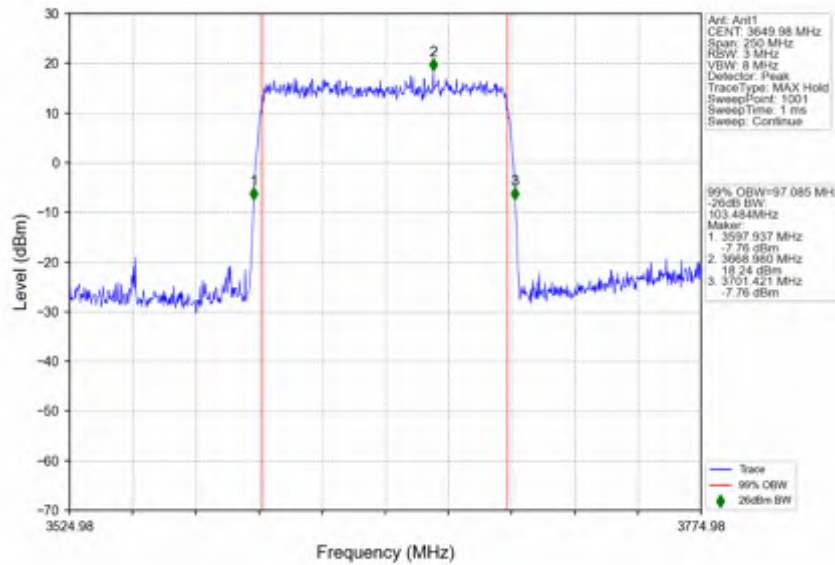
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM_3600MHz_Outer_Full



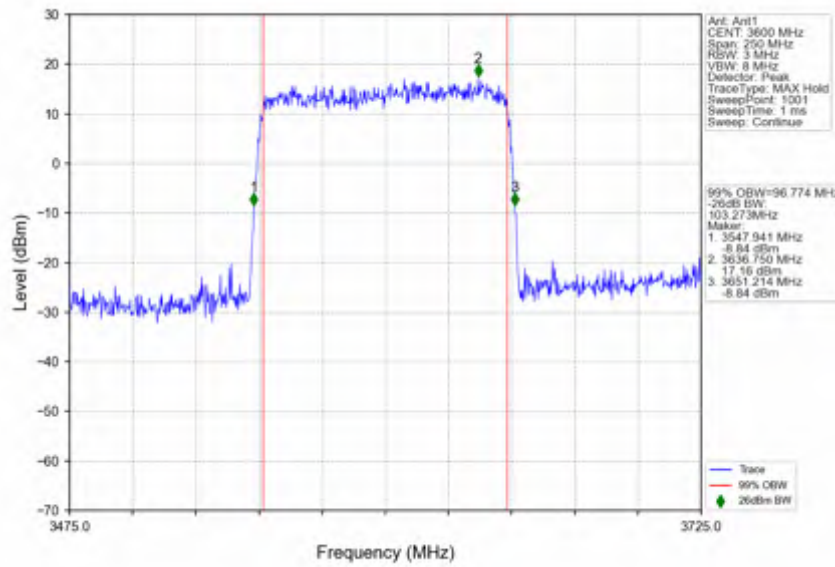
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



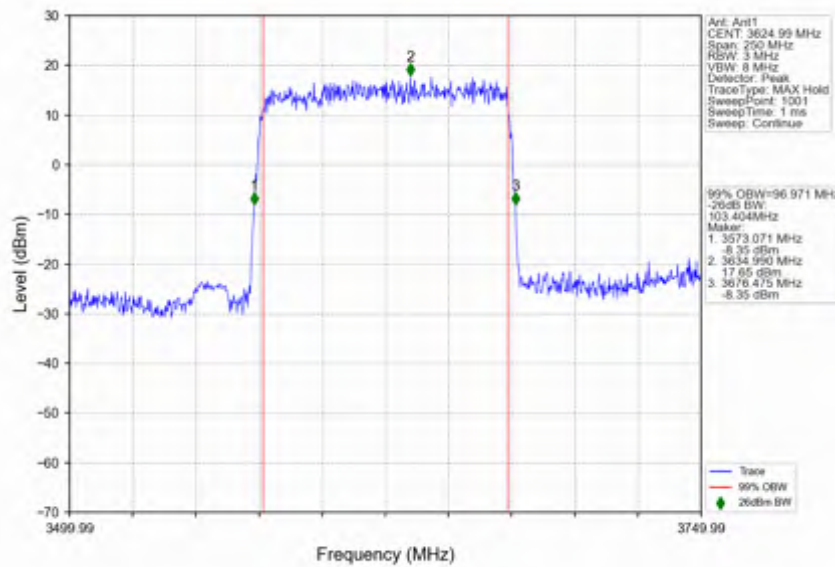
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM_3649.98MHz_Outer_Full



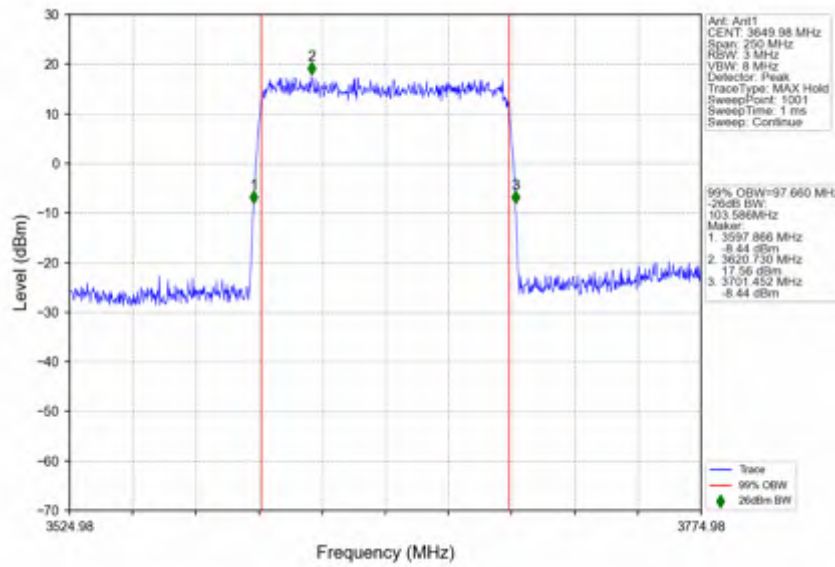
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 256 QAM_3600MHz_Outer_Full



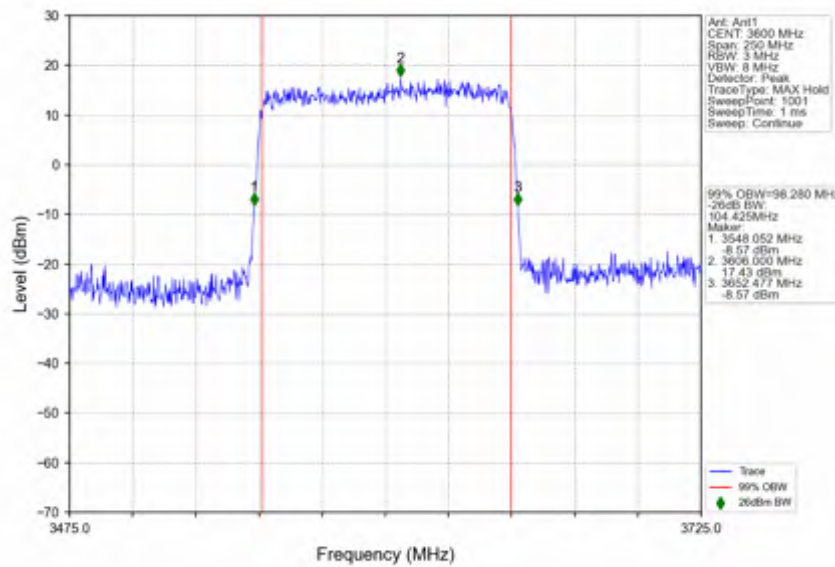
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full



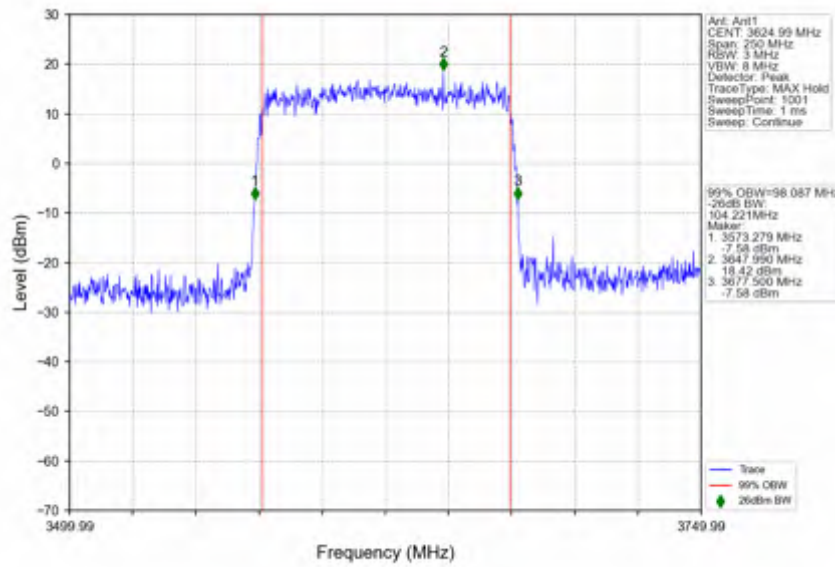
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 256 QAM_3649.98MHz_Outer_Full



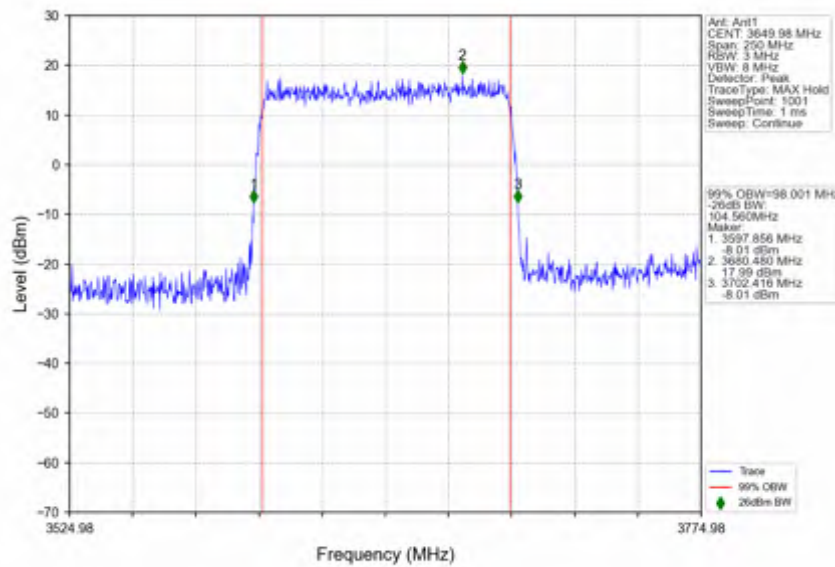
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3600MHz_Outer_Full



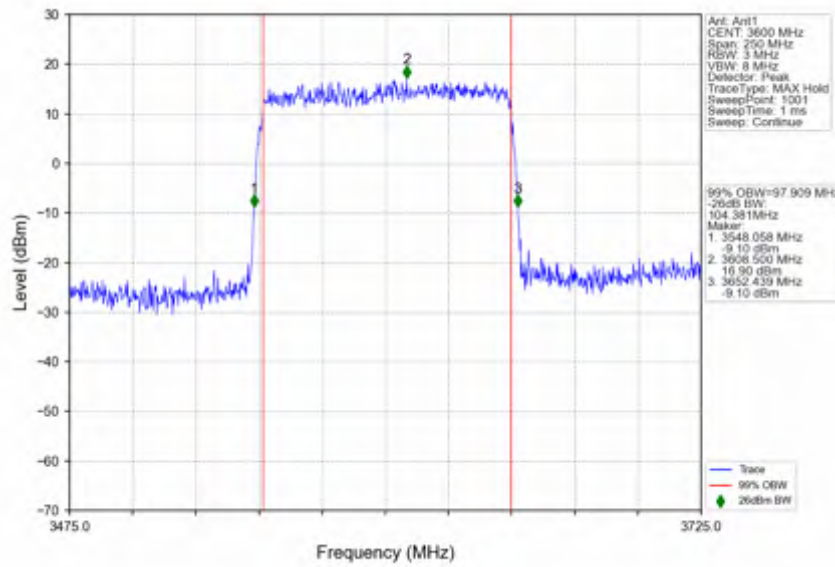
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



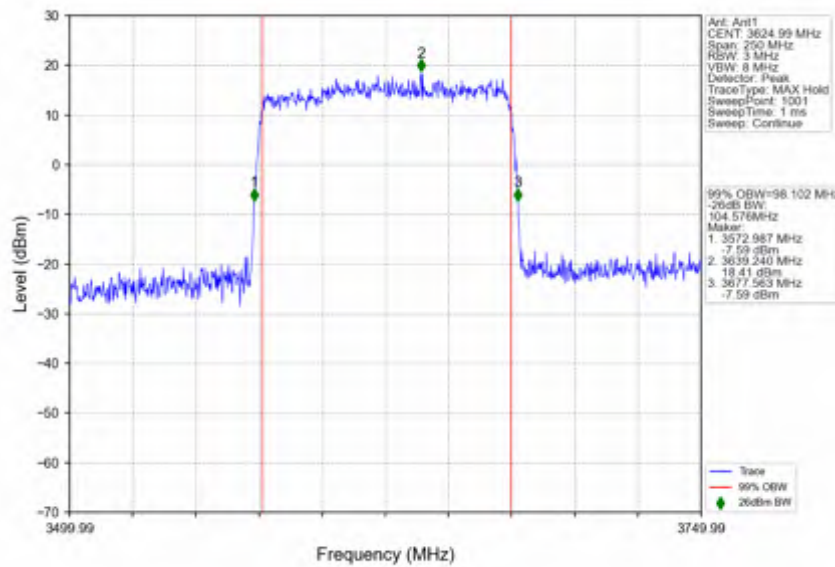
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3649.98MHz_Outer_Full



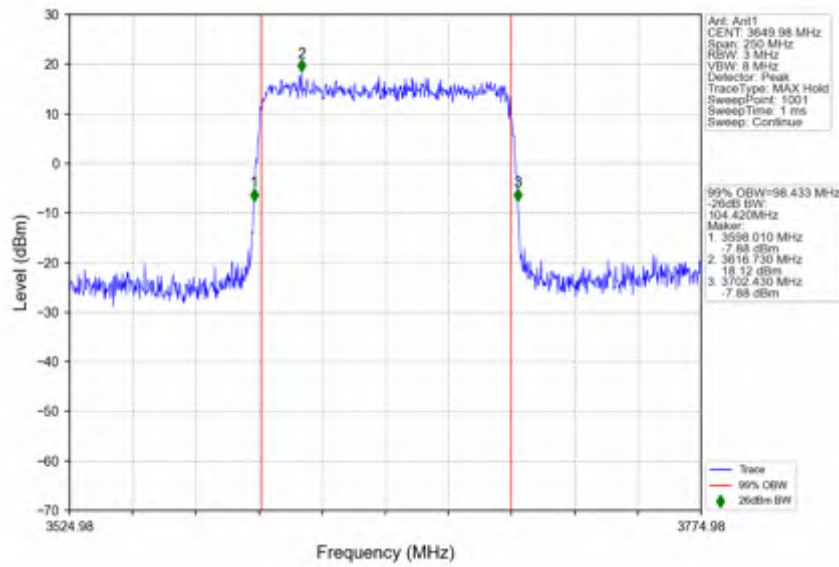
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM_3600MHz_Outer_Full



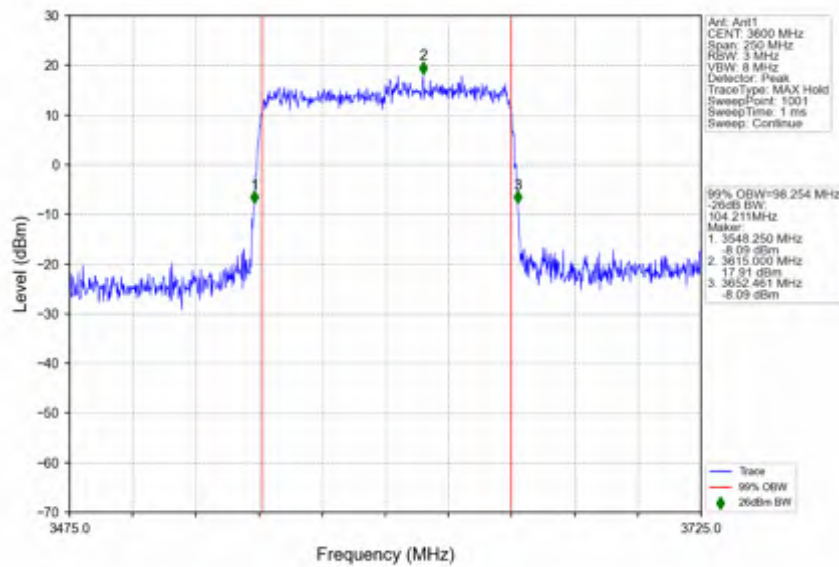
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



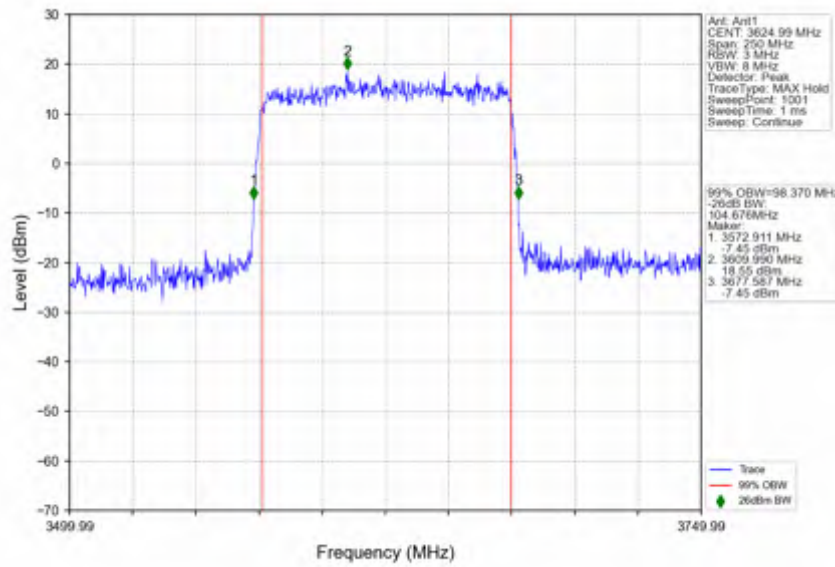
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM_3649.98MHz_Outer_Full



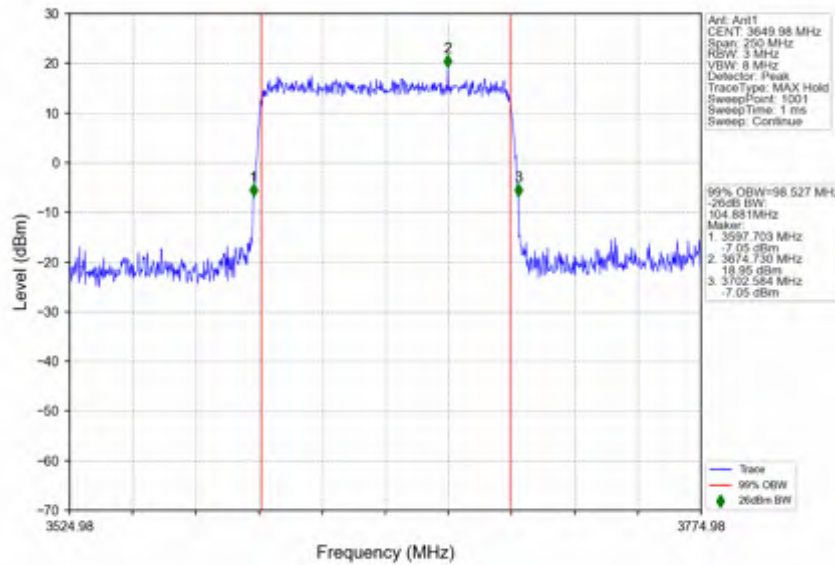
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_3600MHz_Outer_Full



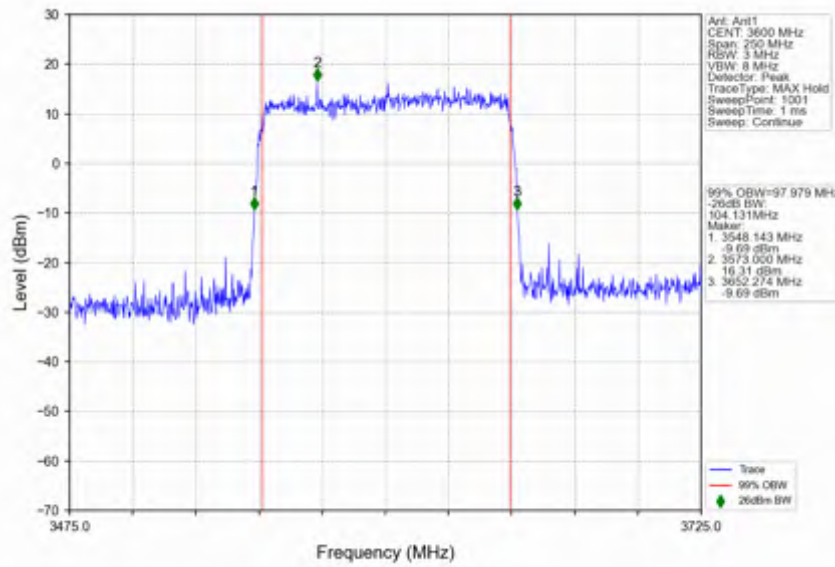
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



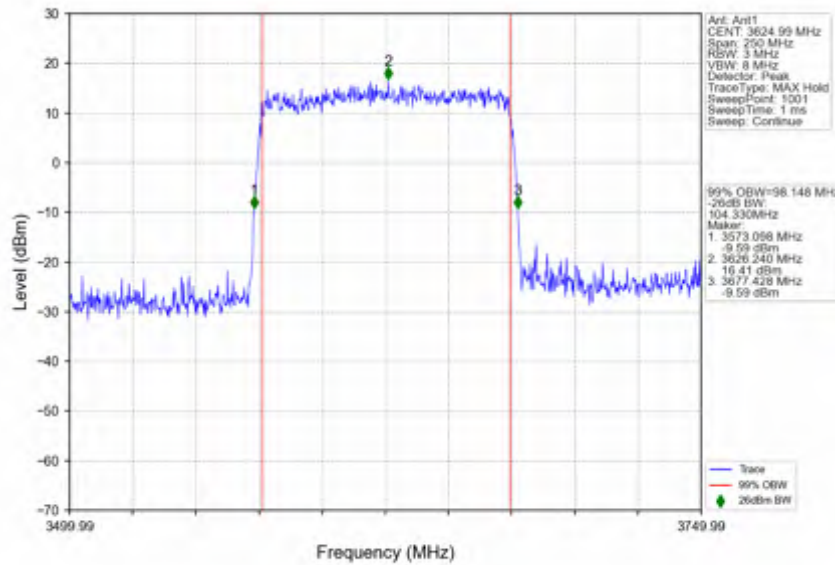
n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_3649.98MHz_Outer_Full



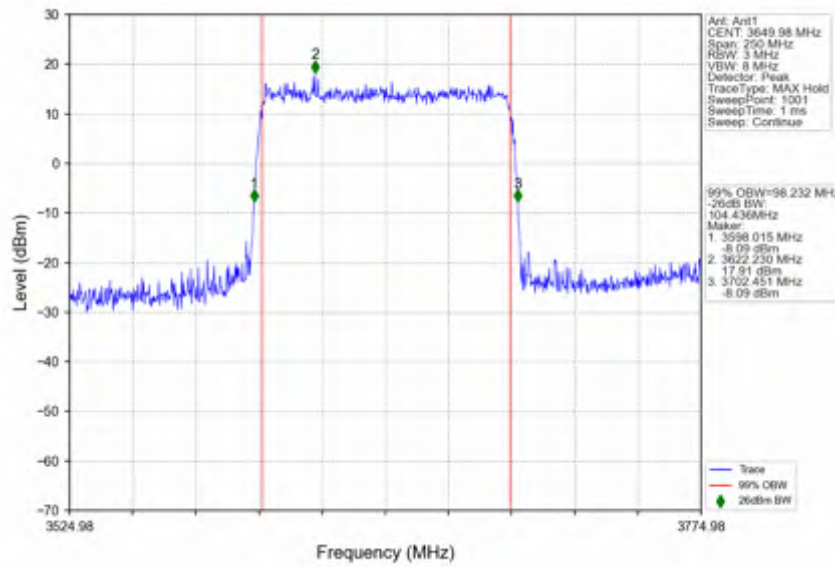
n78(3550-3700MHz)_30kHz_SISO_NTV_100MHz_CP-OFDM 256 QAM_3600MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTV_100MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_100MHz_CP-OFDM 256 QAM_3649.98MHz_Outer_Full





5. Peak-Average Ratio

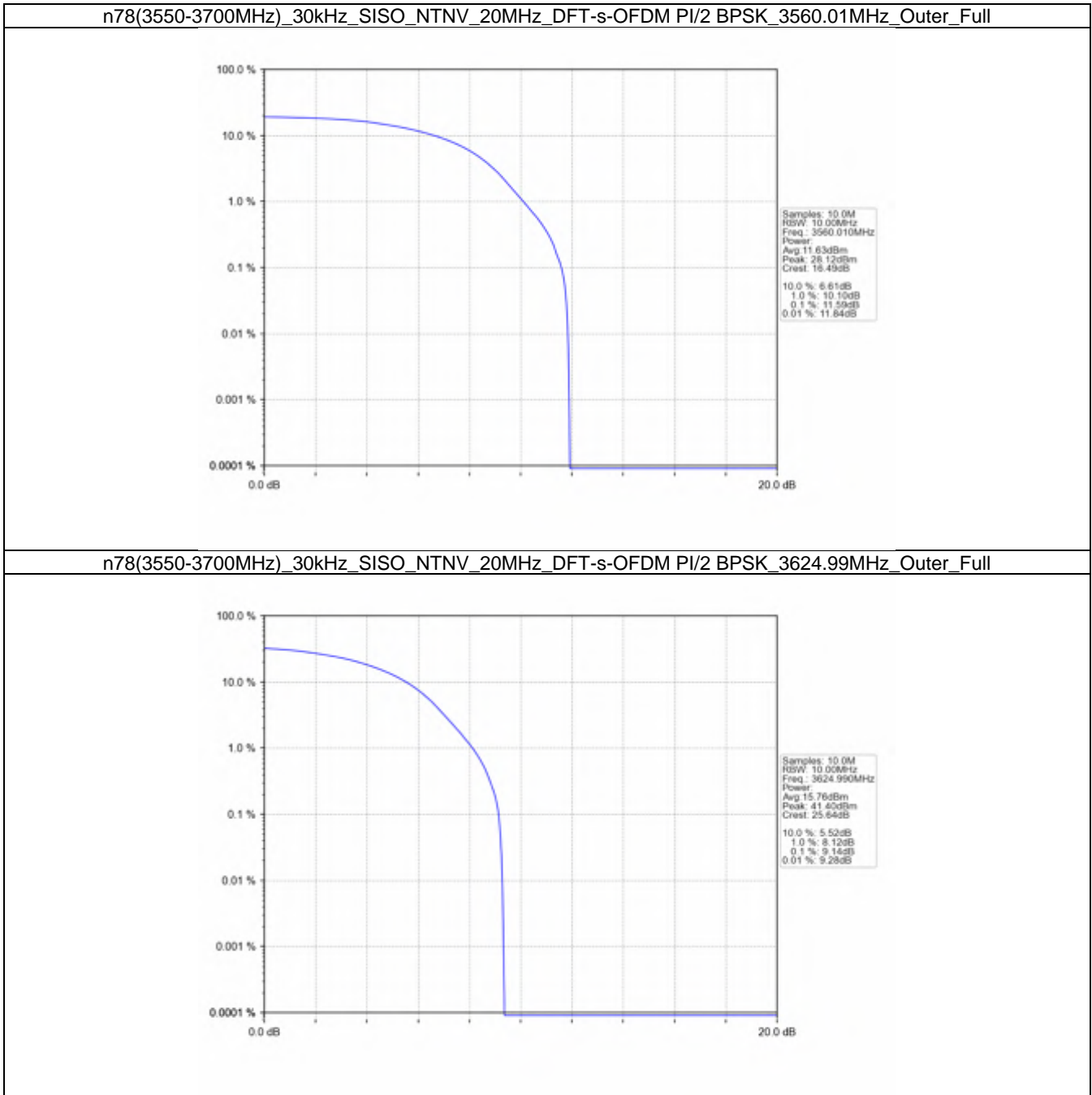
5.1 30k_SISO_20MHz_NTNV

5.1.1 Test Result

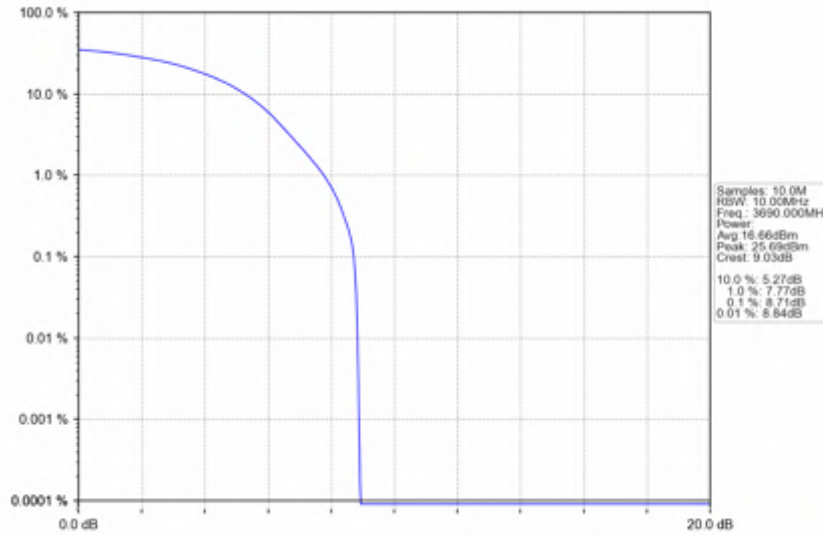
5G NR n78(3550-3700MHz) SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3560.01	Outer_Full	11.59	/	/	<=13	Pass
	3624.99	Outer_Full	9.14	/	/	<=13	Pass
	3690	Outer_Full	8.71	/	/	<=13	Pass
DFT-s-OFDM QPSK	3560.01	Outer_Full	12.07	/	/	<=13	Pass
	3624.99	Outer_Full	9.78	/	/	<=13	Pass
	3690	Outer_Full	9.27	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3560.01	Outer_Full	12.95	/	/	<=13	Pass
	3624.99	Outer_Full	9.64	/	/	<=13	Pass
	3690	Outer_Full	11.04	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3560.01	Outer_Full	10.61	/	/	<=13	Pass
	3624.99	Outer_Full	10.91	/	/	<=13	Pass
	3690	Outer_Full	12.05	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3560.01	Outer_Full	10.56	/	/	<=13	Pass
	3624.99	Outer_Full	12.38	/	/	<=13	Pass
	3690	Outer_Full	12.27	/	/	<=13	Pass
CP-OFDM QPSK	3560.01	Outer_Full	12.12	/	/	<=13	Pass
	3624.99	Outer_Full	12.39	/	/	<=13	Pass
	3690	Outer_Full	12.46	/	/	<=13	Pass
CP-OFDM 16 QAM	3560.01	Outer_Full	12.00	/	/	<=13	Pass
	3624.99	Outer_Full	12.13	/	/	<=13	Pass
	3690	Outer_Full	12.11	/	/	<=13	Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	11.42	/	/	<=13	Pass
	3624.99	Outer_Full	12.46	/	/	<=13	Pass
	3690	Outer_Full	12.25	/	/	<=13	Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	12.01	/	/	<=13	Pass
	3624.99	Outer_Full	11.84	/	/	<=13	Pass
	3690	Outer_Full	12.77	/	/	<=13	Pass



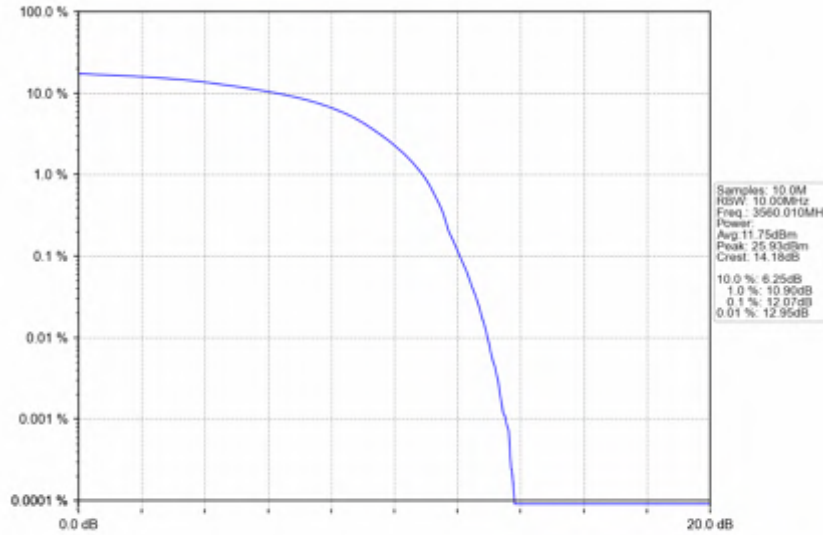
5.1.2 Test Graph



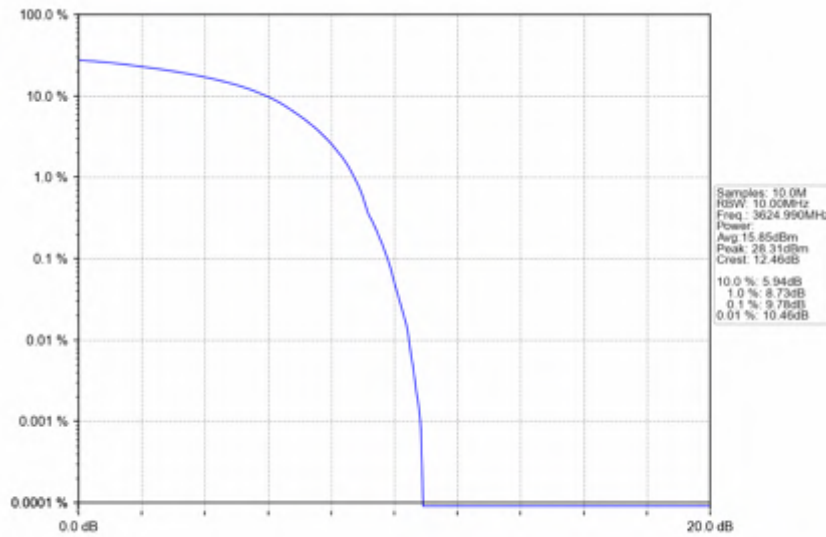
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3690MHz_Outer_Full



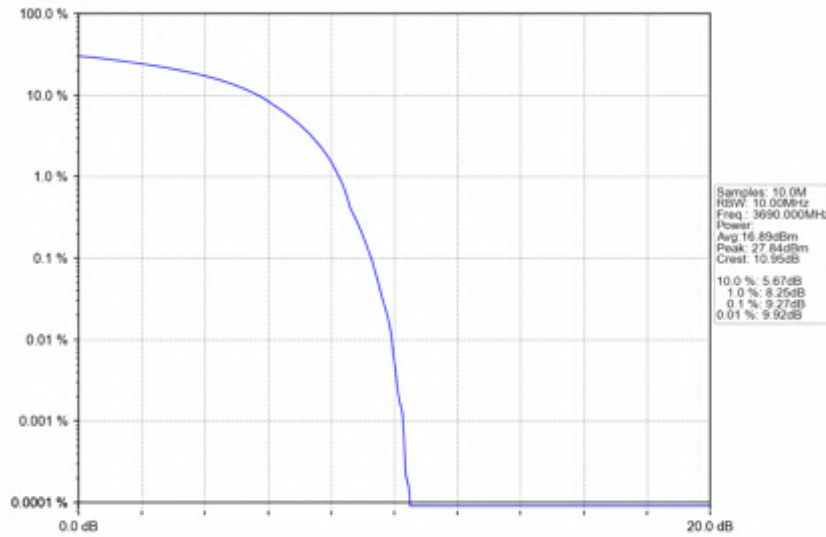
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3560.01MHz_Outer_Full



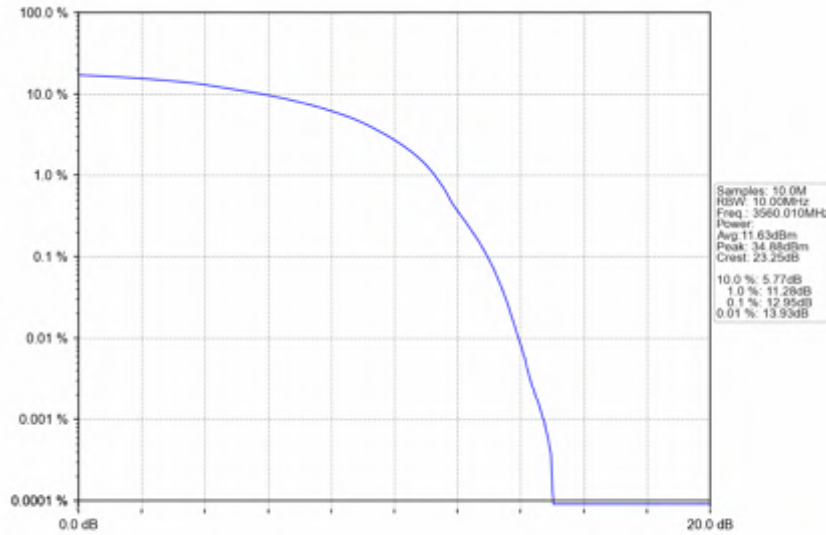
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



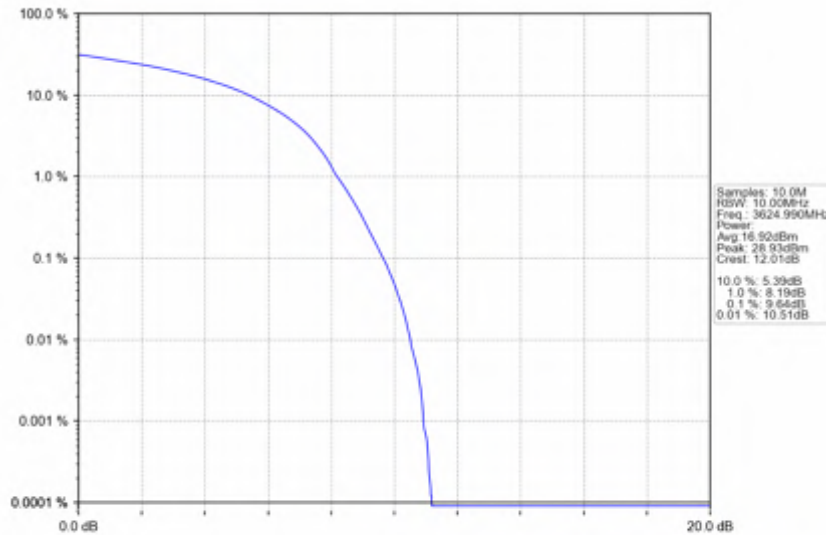
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3690MHz_Outer_Full



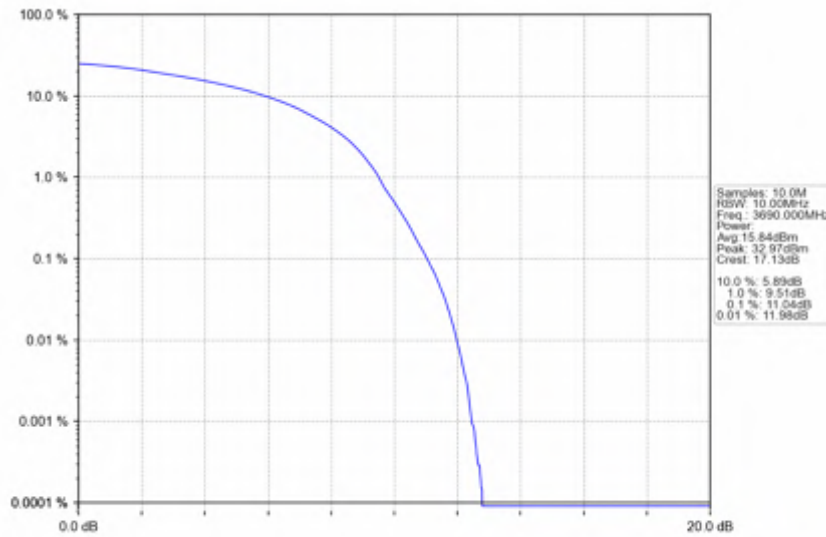
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3560.01MHz_Outer_Full



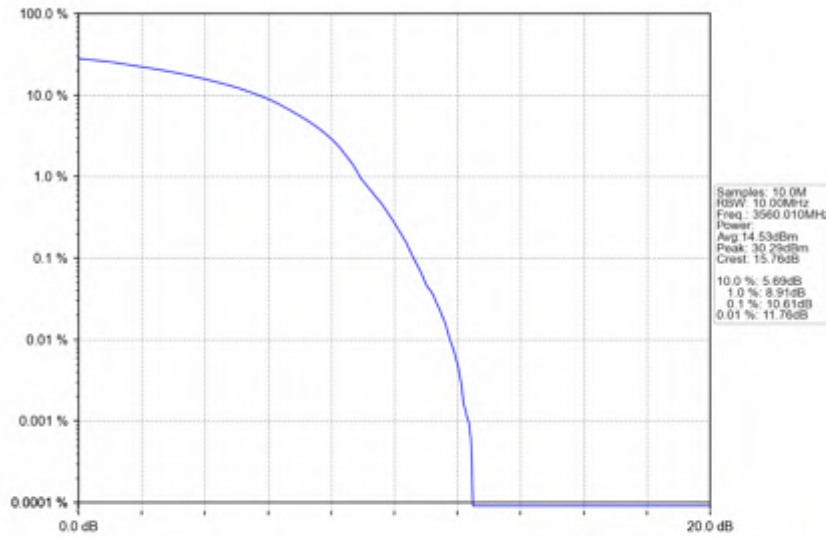
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



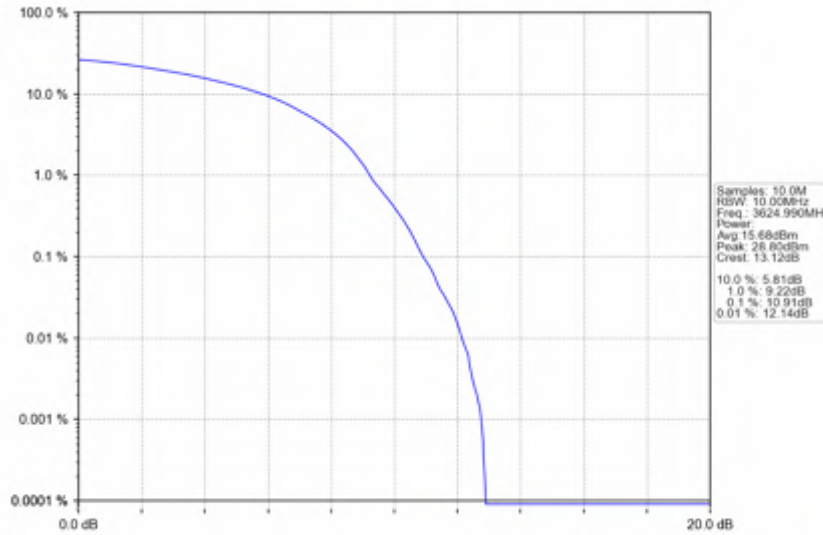
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3690MHz_Outer_Full



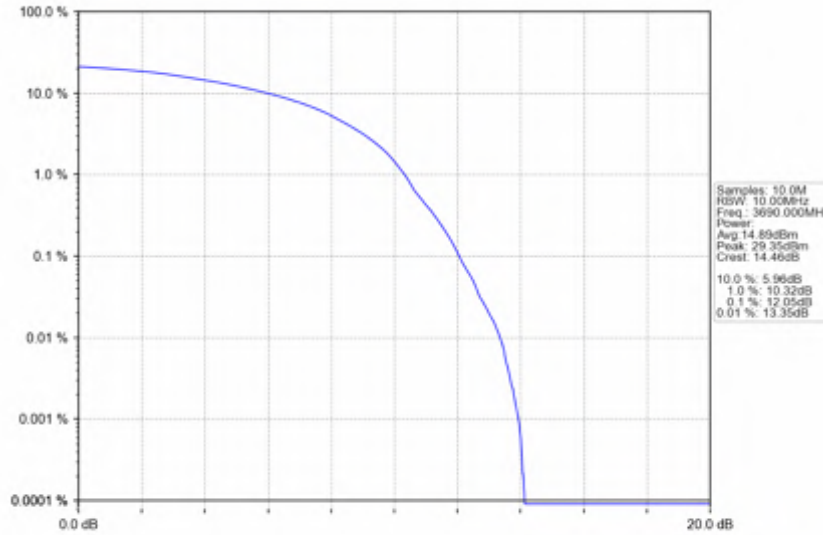
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3560.01MHz_Outer_Full



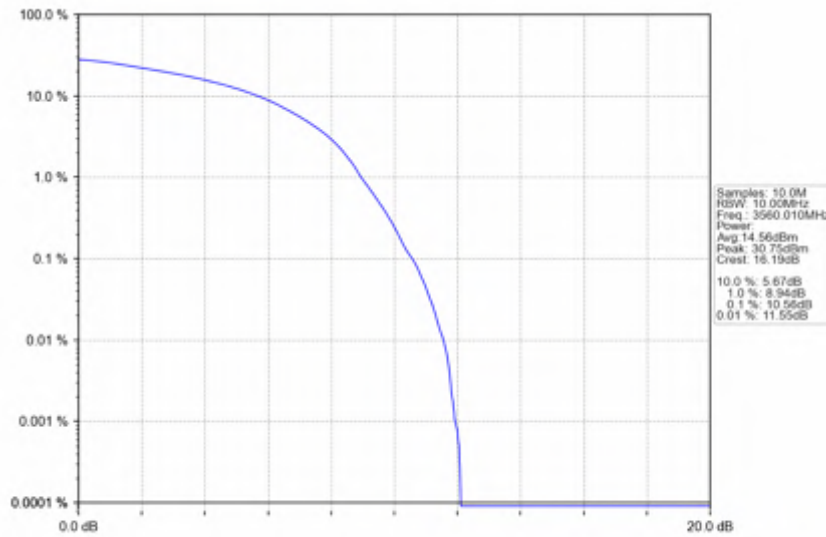
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



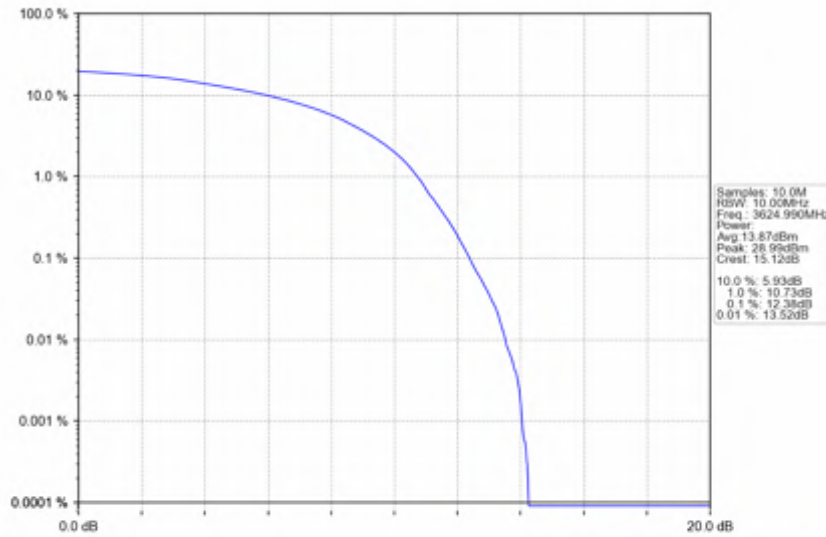
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3690MHz_Outer_Full



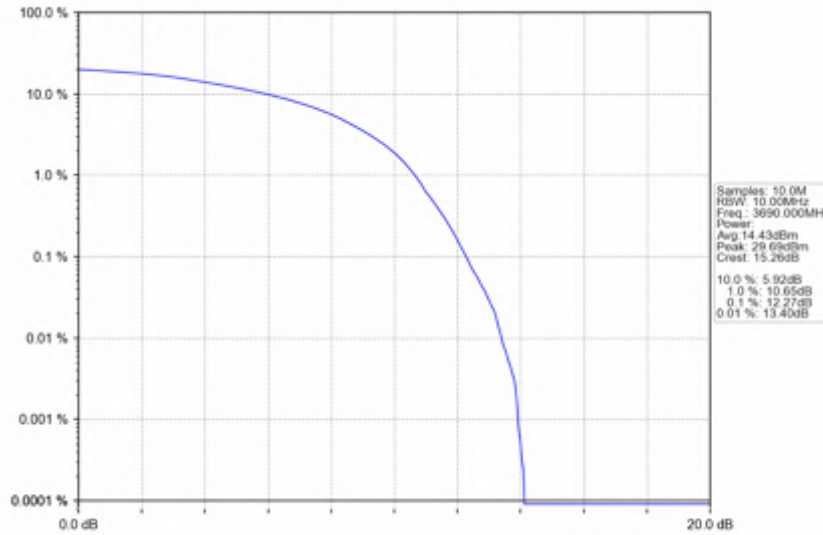
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3560.01MHz_Outer_Full



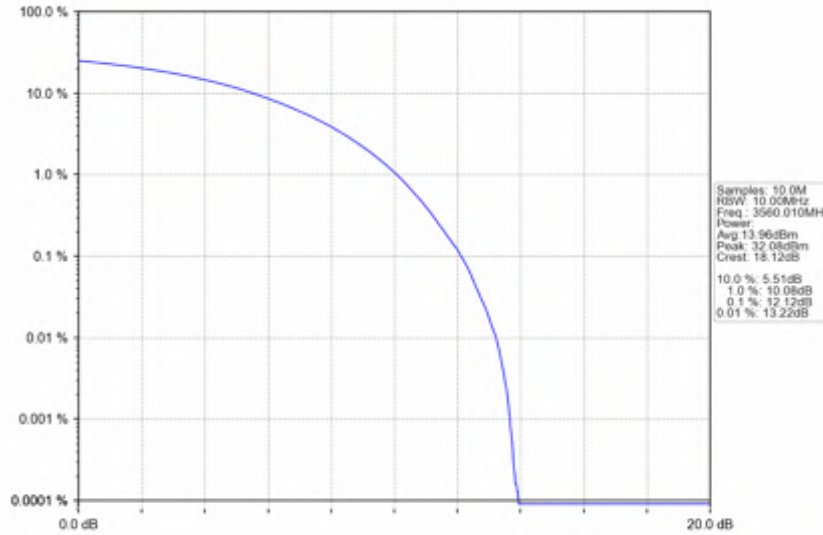
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



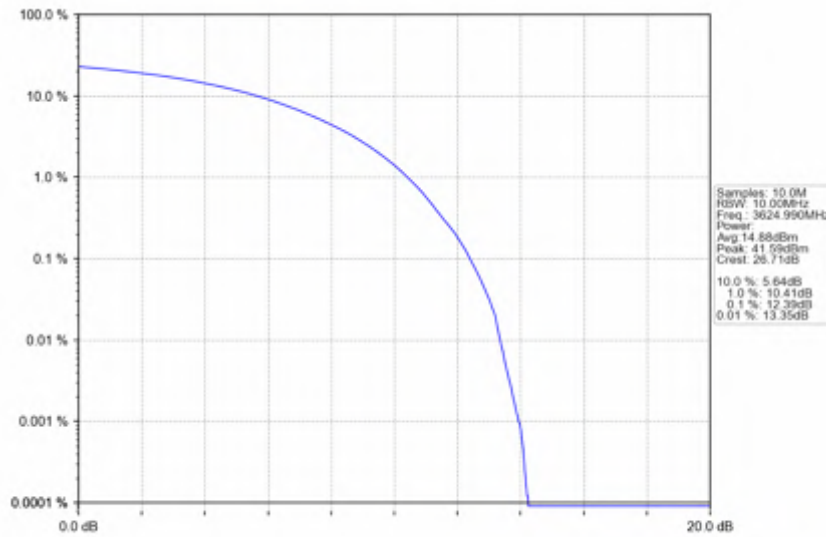
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_3690MHz_Outer_Full



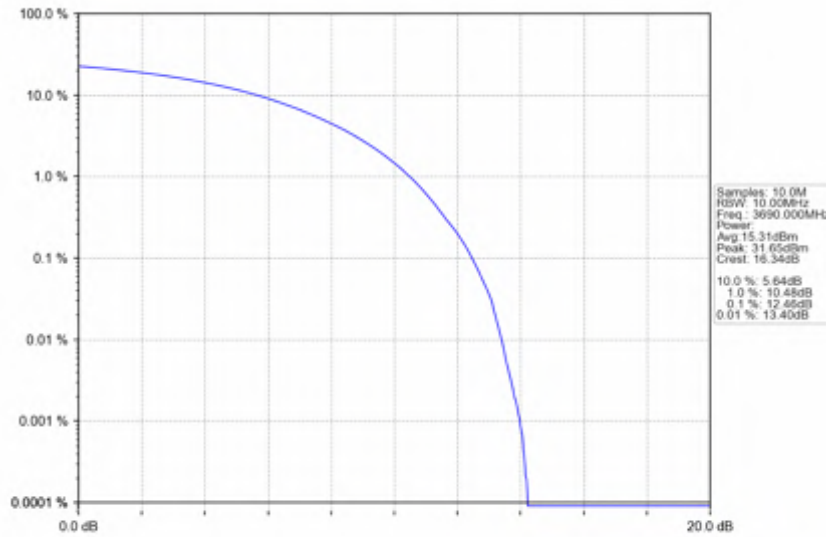
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Outer_Full



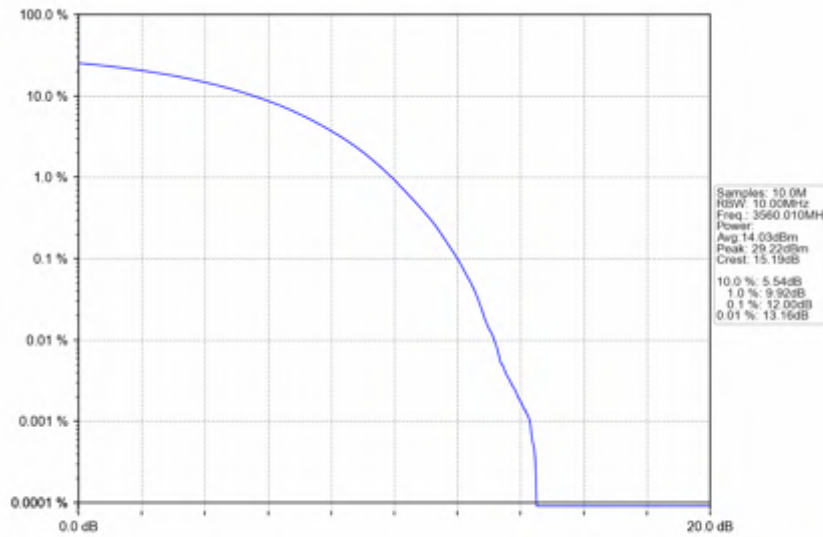
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



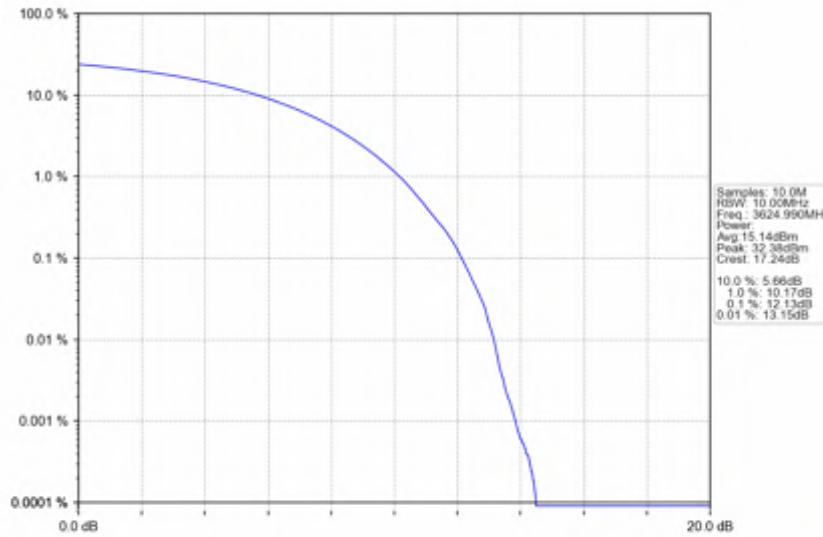
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3690MHz_Outer_Full



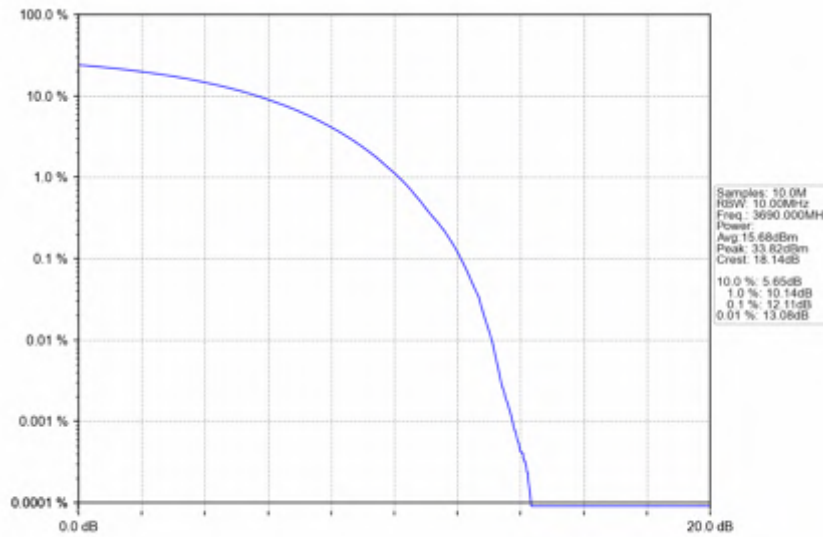
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3560.01MHz_Outer_Full



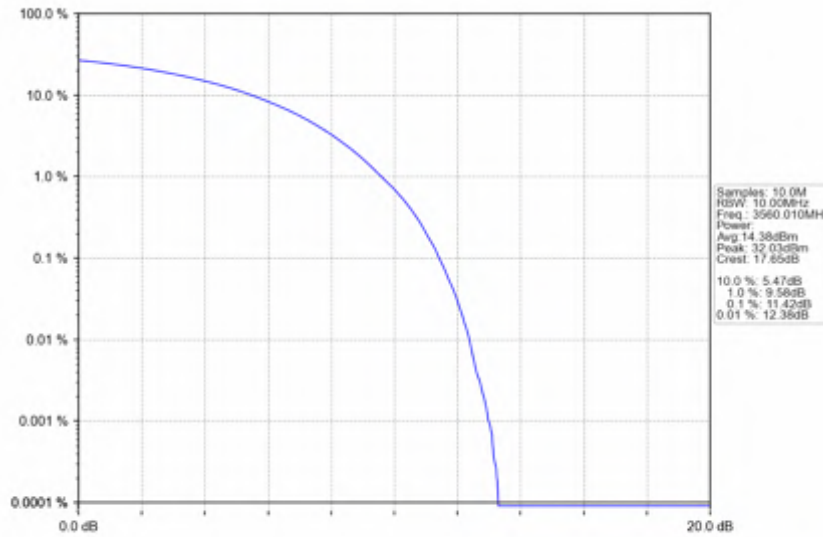
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



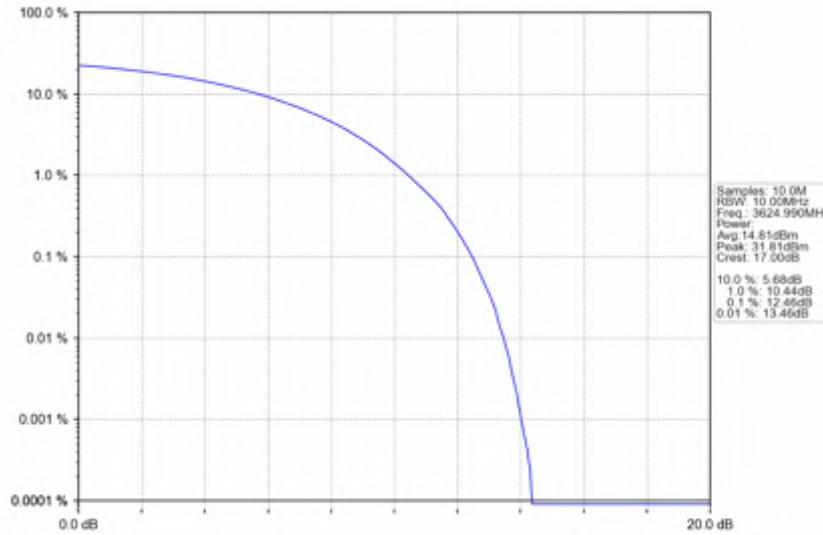
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3690MHz_Outer_Full



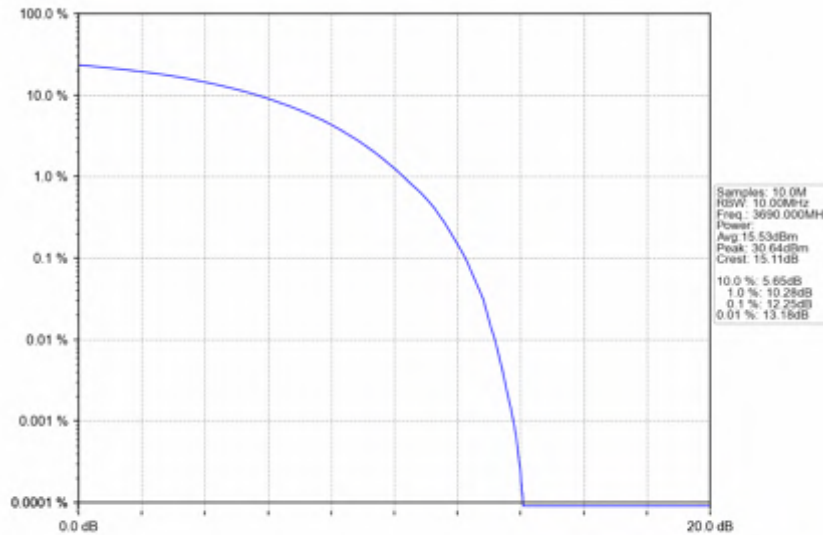
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3560.01MHz_Outer_Full



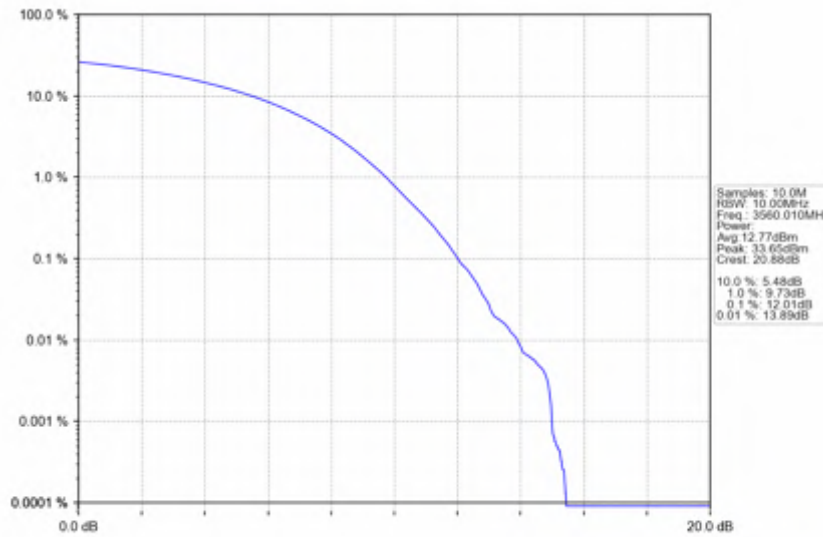
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



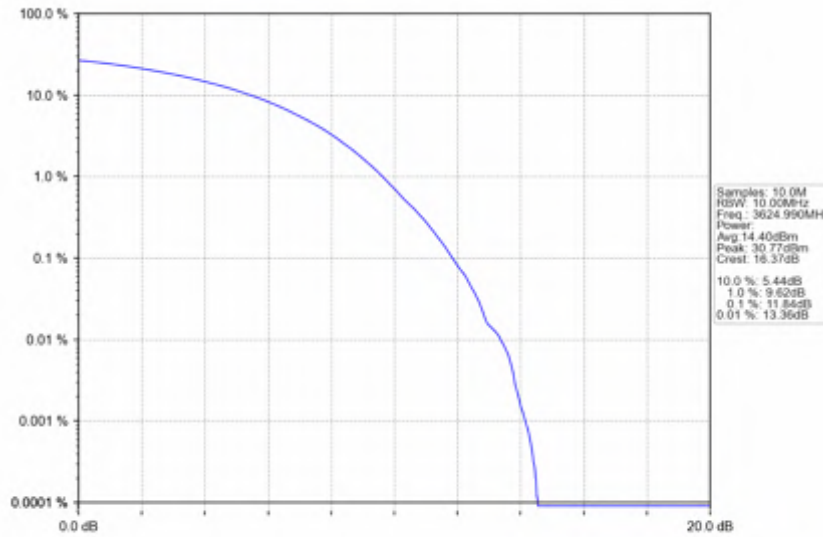
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3690MHz_Outer_Full



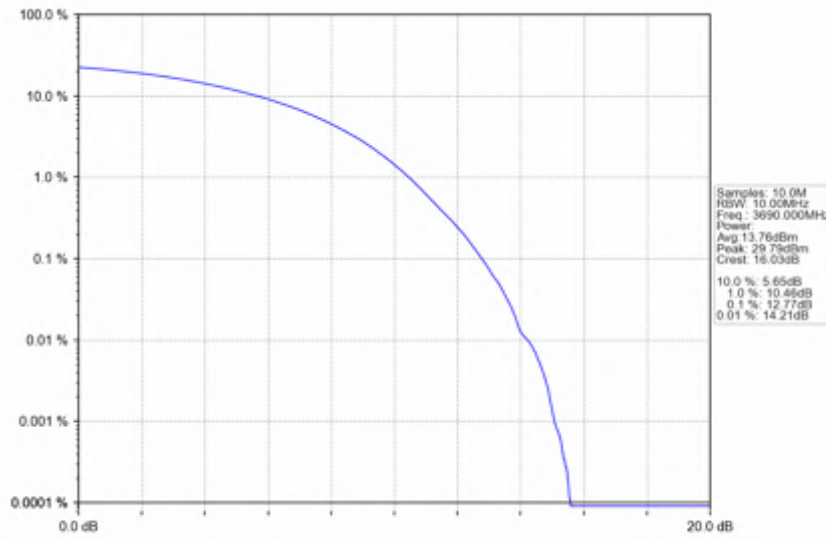
n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3560.01MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTV_20MHz_CP-OFDM 256 QAM_3690MHz_Outer_Full





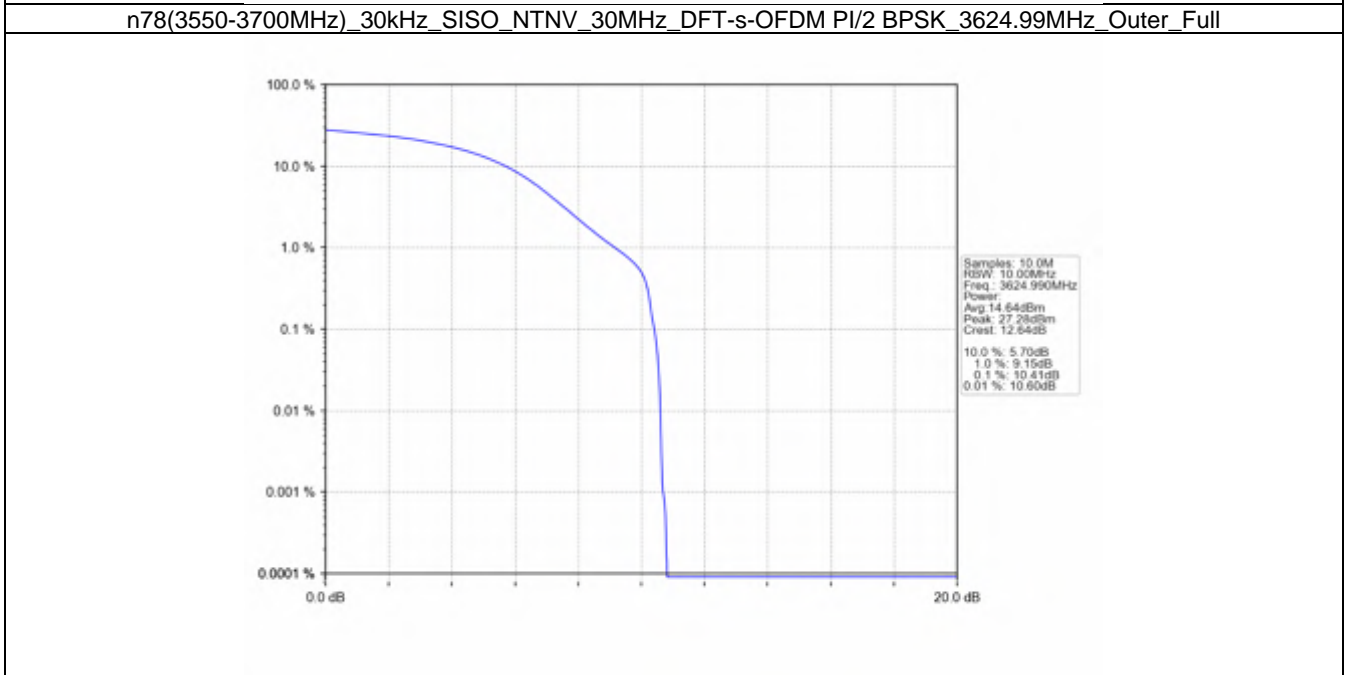
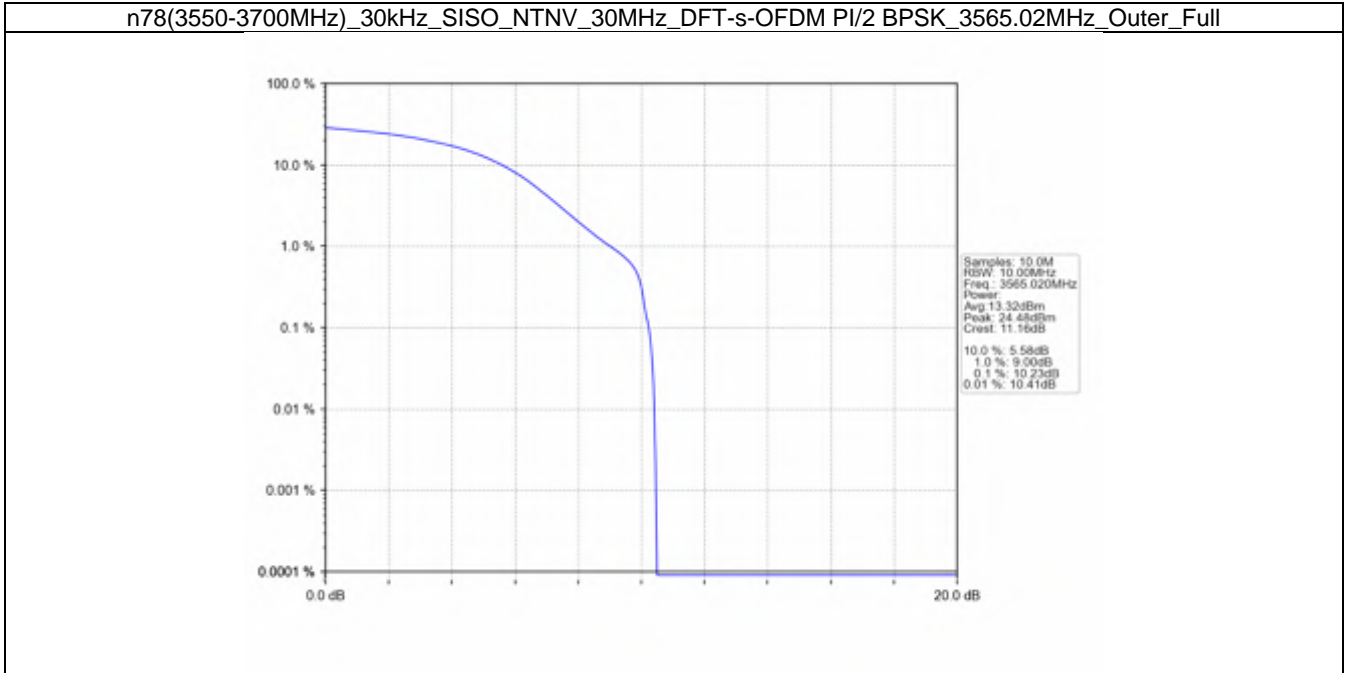
5.2 30k_SISO_30MHz_NTNV

5.2.1 Test Result

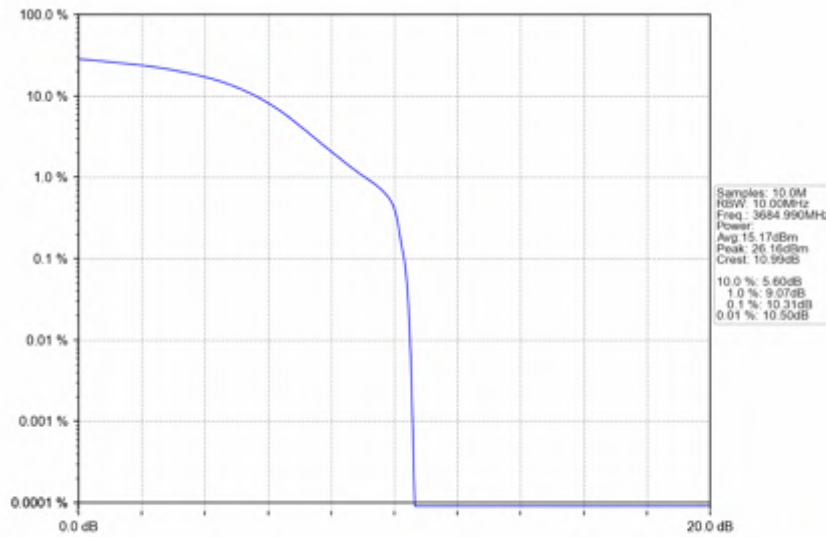
5G NR n78(3550-3700MHz) SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3565.02	Outer_Full	10.23	/	/	<=13	Pass
	3624.99	Outer_Full	10.41	/	/	<=13	Pass
	3684.99	Outer_Full	10.31	/	/	<=13	Pass
DFT-s-OFDM QPSK	3565.02	Outer_Full	10.54	/	/	<=13	Pass
	3624.99	Outer_Full	10.58	/	/	<=13	Pass
	3684.99	Outer_Full	10.62	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3565.02	Outer_Full	10.45	/	/	<=13	Pass
	3624.99	Outer_Full	10.73	/	/	<=13	Pass
	3684.99	Outer_Full	10.66	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3565.02	Outer_Full	10.85	/	/	<=13	Pass
	3624.99	Outer_Full	11.47	/	/	<=13	Pass
	3684.99	Outer_Full	11.50	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3565.02	Outer_Full	11.61	/	/	<=13	Pass
	3624.99	Outer_Full	11.20	/	/	<=13	Pass
	3684.99	Outer_Full	11.40	/	/	<=13	Pass
CP-OFDM QPSK	3565.02	Outer_Full	11.42	/	/	<=13	Pass
	3624.99	Outer_Full	11.82	/	/	<=13	Pass
	3684.99	Outer_Full	11.84	/	/	<=13	Pass
CP-OFDM 16 QAM	3565.02	Outer_Full	11.51	/	/	<=13	Pass
	3624.99	Outer_Full	11.71	/	/	<=13	Pass
	3684.99	Outer_Full	12.01	/	/	<=13	Pass
CP-OFDM 64 QAM	3565.02	Outer_Full	11.59	/	/	<=13	Pass
	3624.99	Outer_Full	12.07	/	/	<=13	Pass
	3684.99	Outer_Full	11.82	/	/	<=13	Pass
CP-OFDM 256 QAM	3565.02	Outer_Full	11.89	/	/	<=13	Pass
	3624.99	Outer_Full	12.30	/	/	<=13	Pass
	3684.99	Outer_Full	12.13	/	/	<=13	Pass



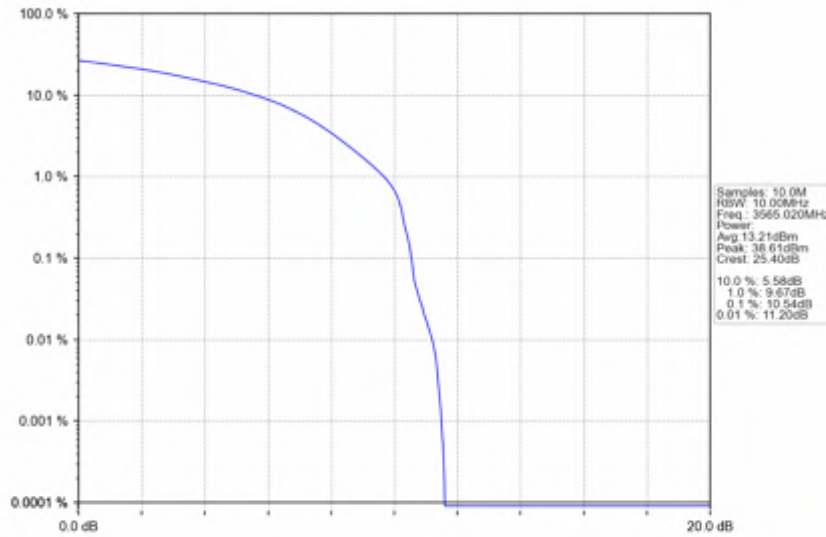
5.2.2 Test Graph



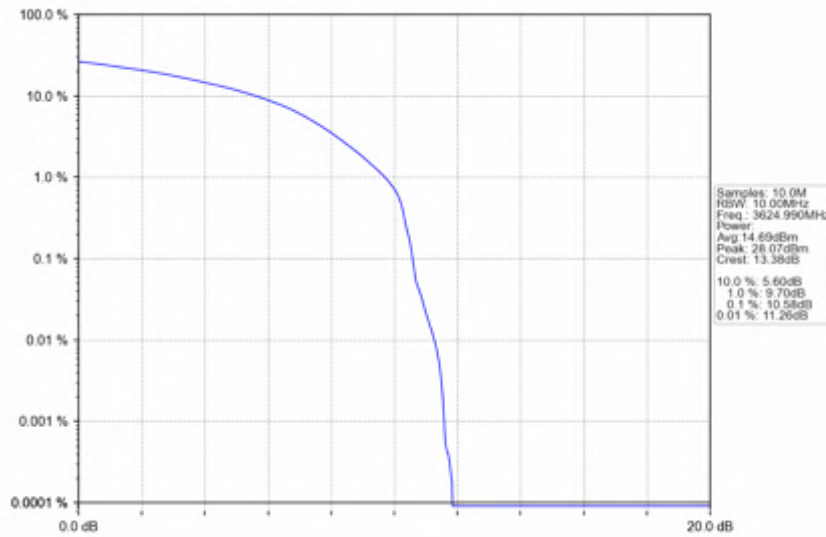
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3684.99MHz_Outer_Full



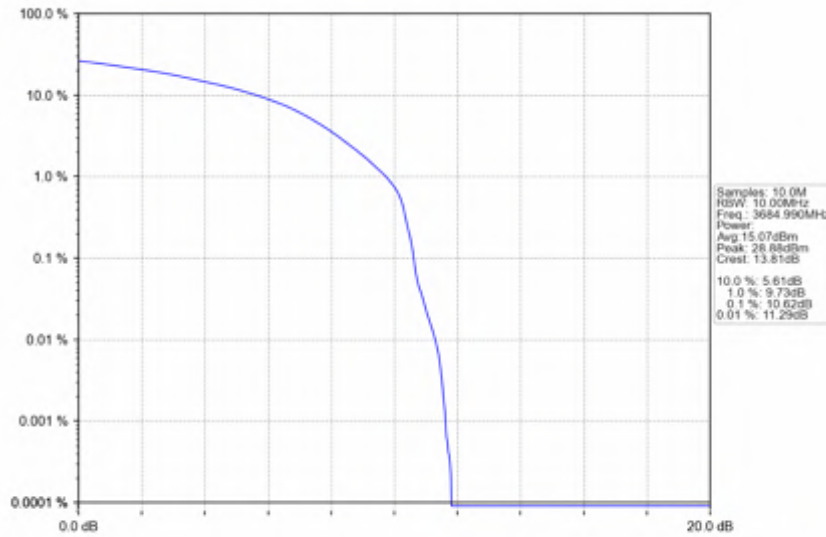
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3565.02MHz_Outer_Full



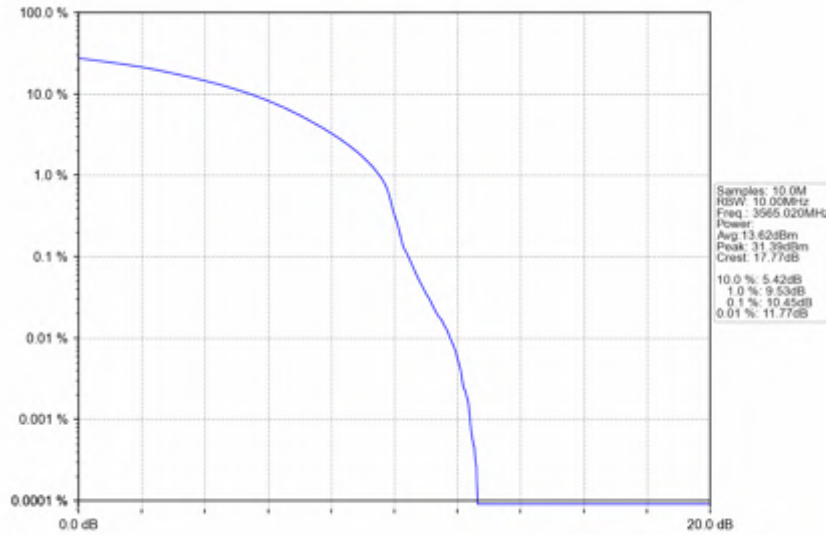
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



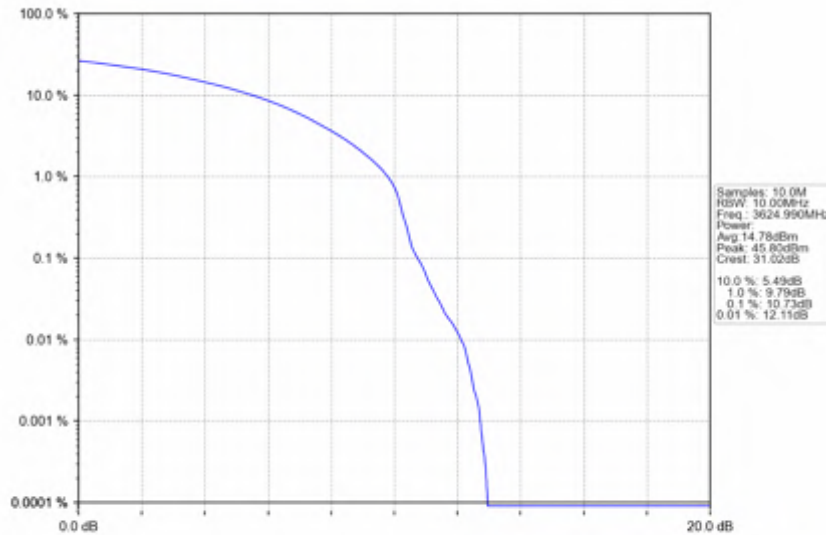
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3684.99MHz_Outer_Full



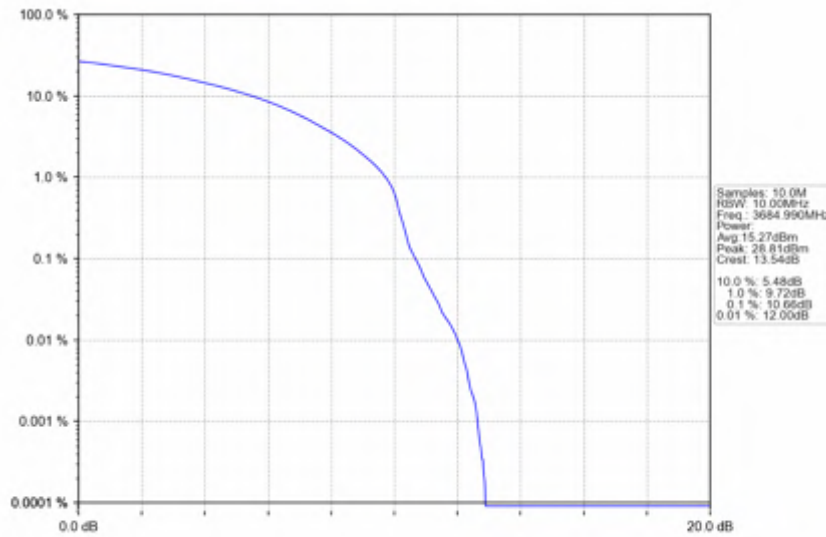
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_16_QAM_3565.02MHz_Outer_Full



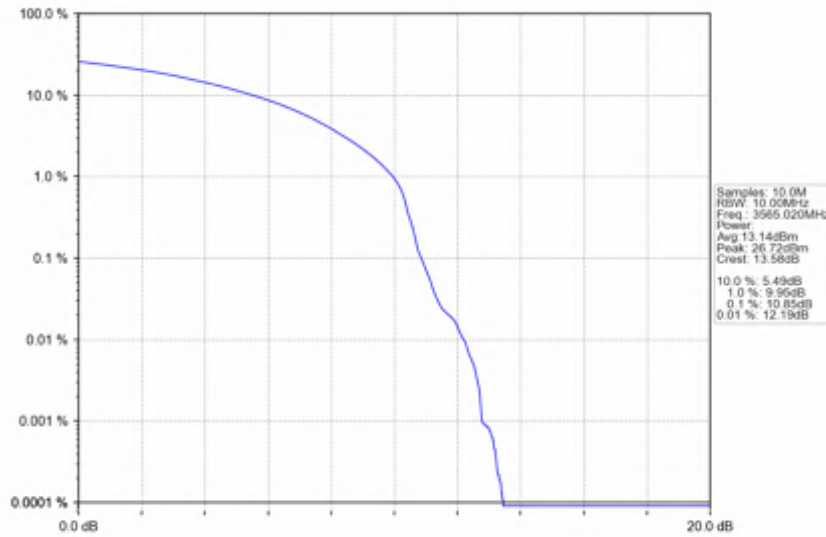
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_16_QAM_3624.99MHz_Outer_Full



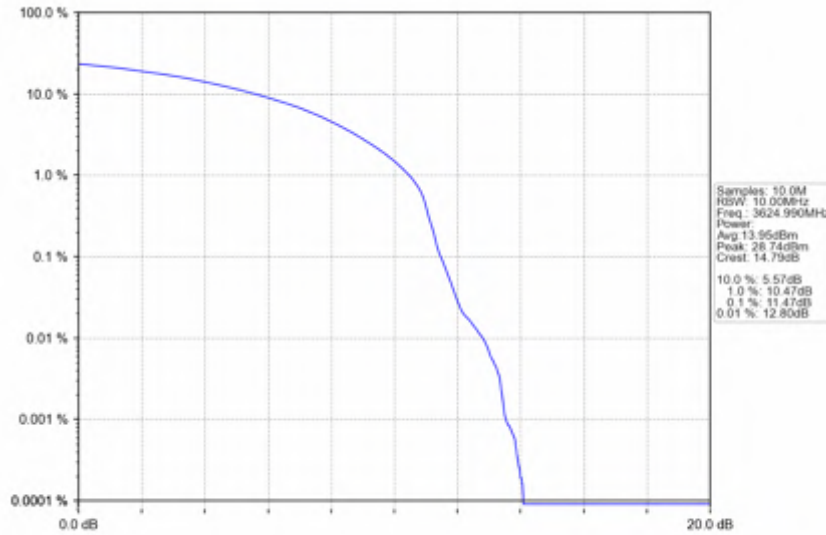
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3684.99MHz_Outer_Full



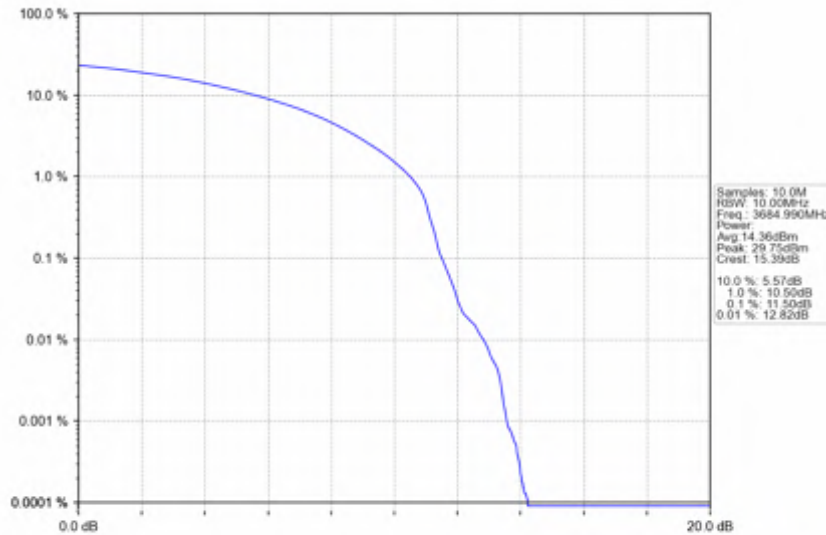
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3565.02MHz_Outer_Full



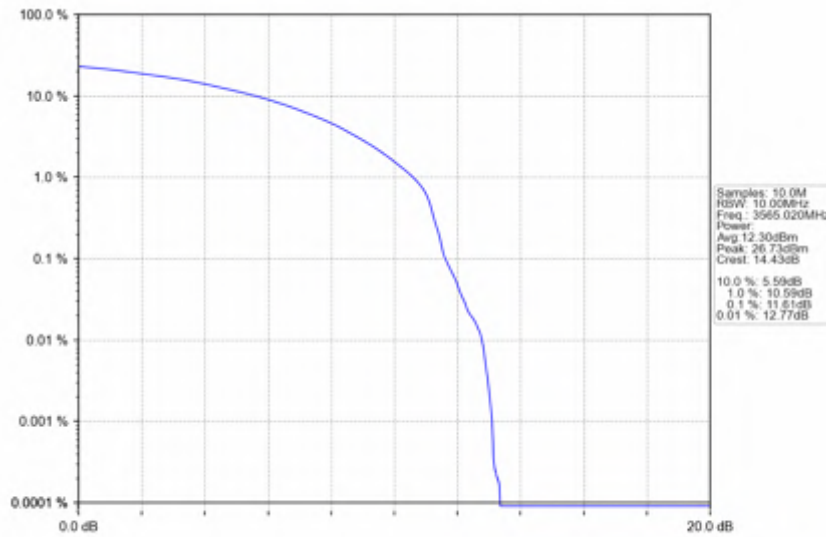
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



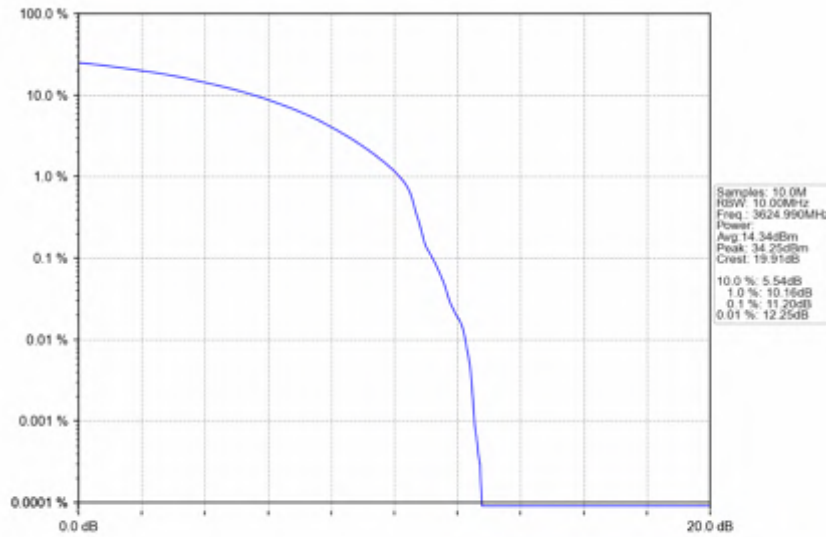
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3684.99MHz_Outer_Full



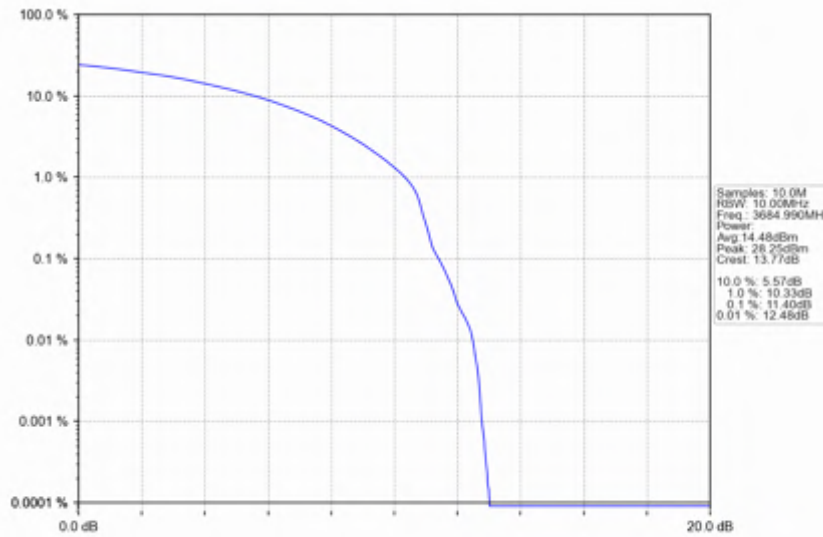
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_3565.02MHz_Outer_Full



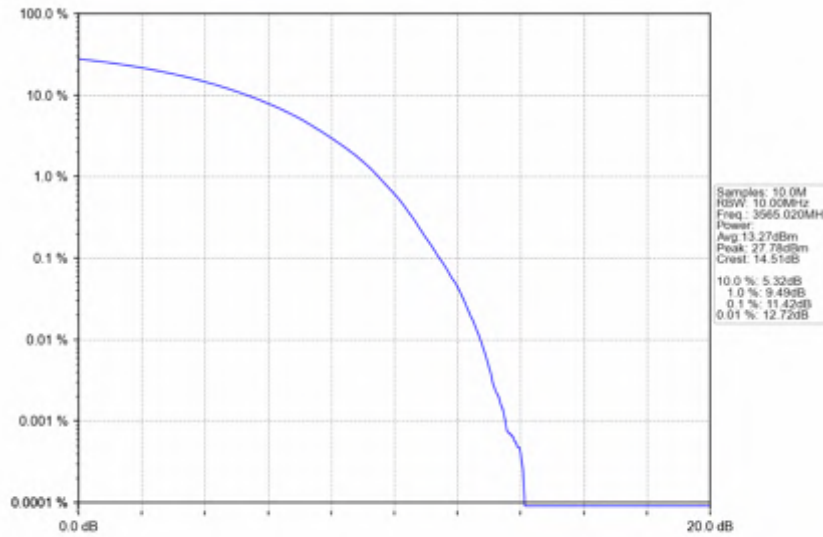
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



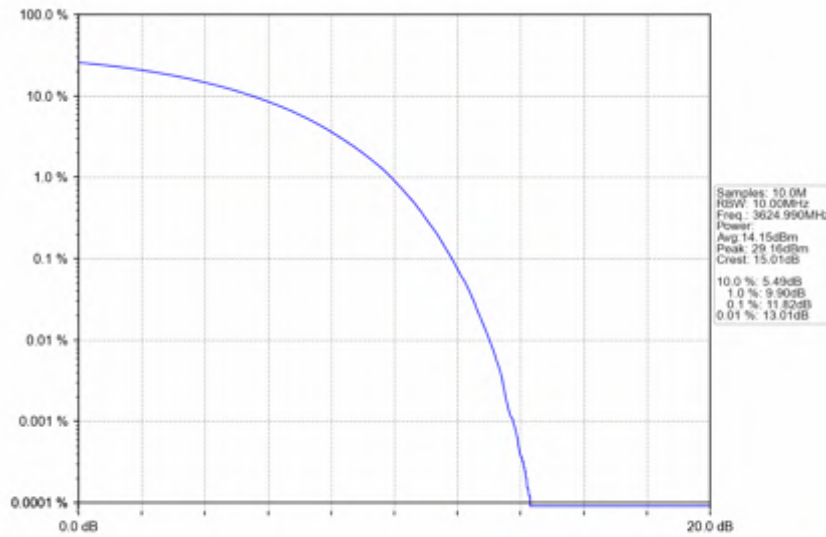
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_3684.99MHz_Outer_Full



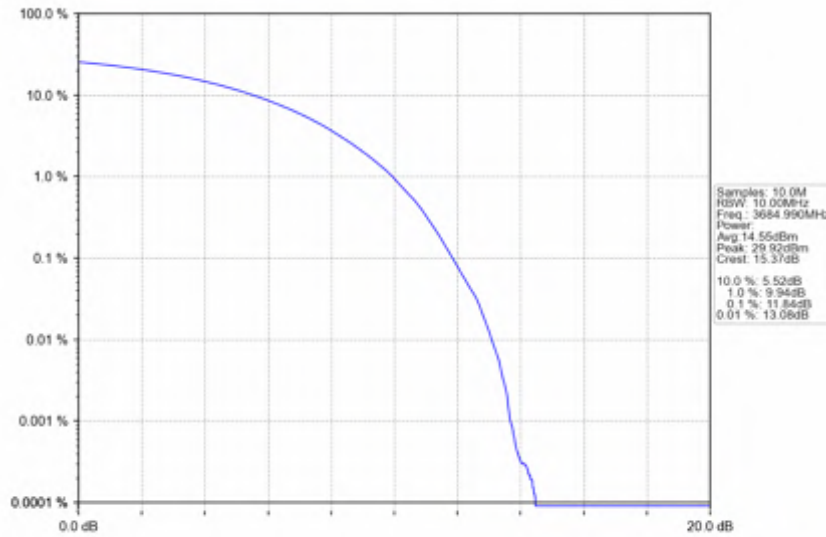
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Outer_Full



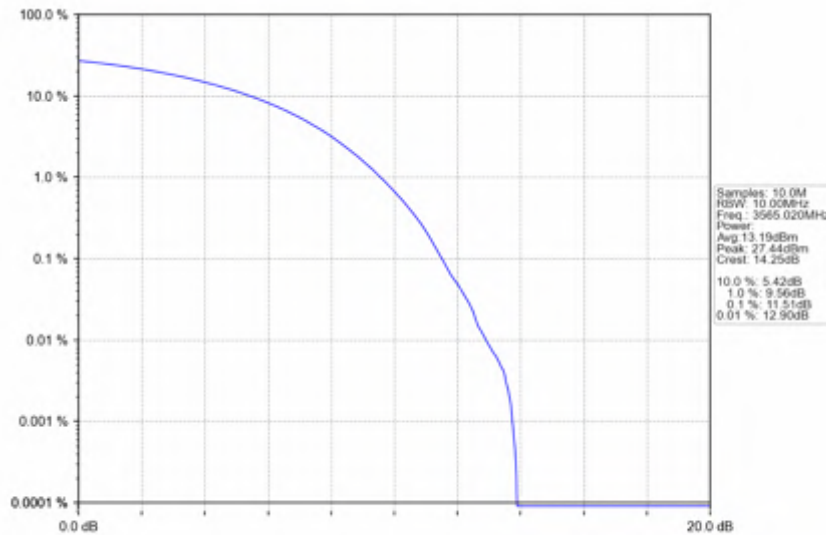
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



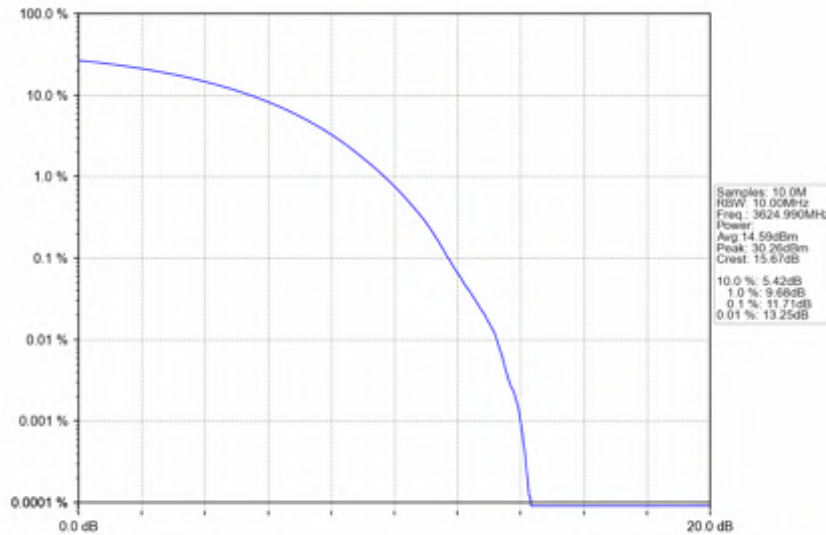
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3684.99MHz_Outer_Full



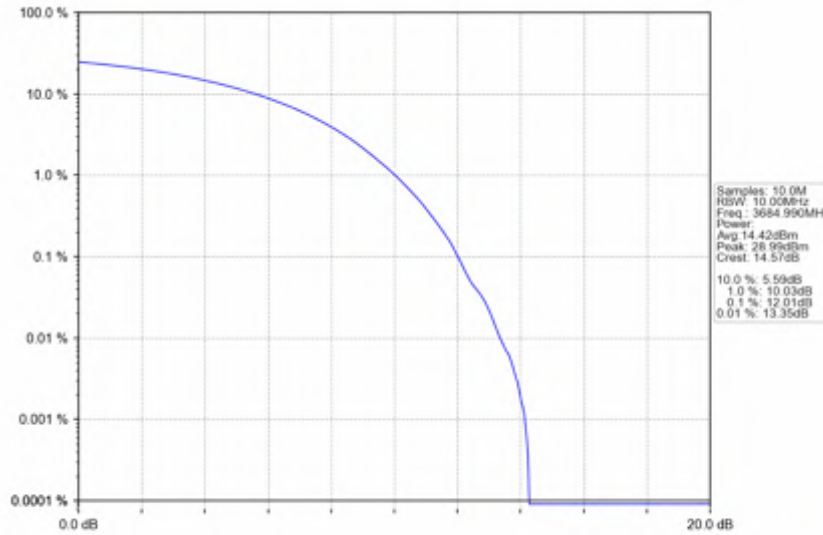
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_16 QAM_3565.02MHz_Outer_Full



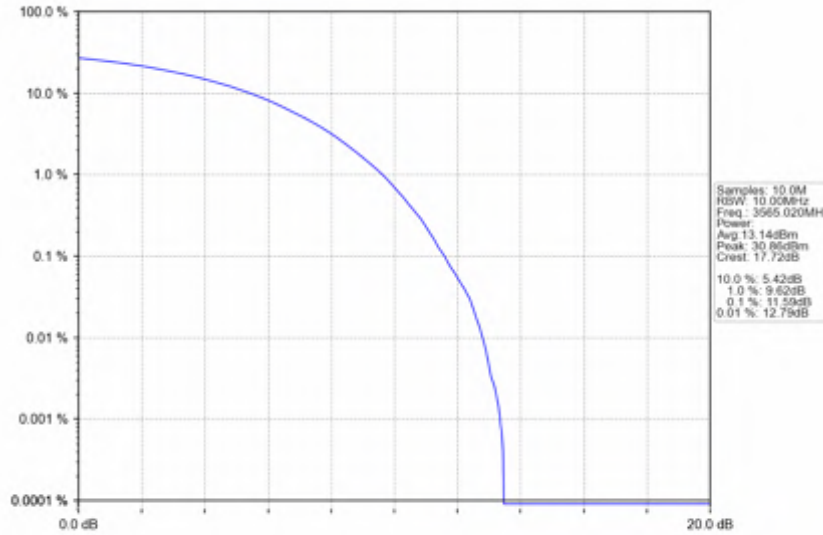
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM_16 QAM_3624.99MHz_Outer_Full



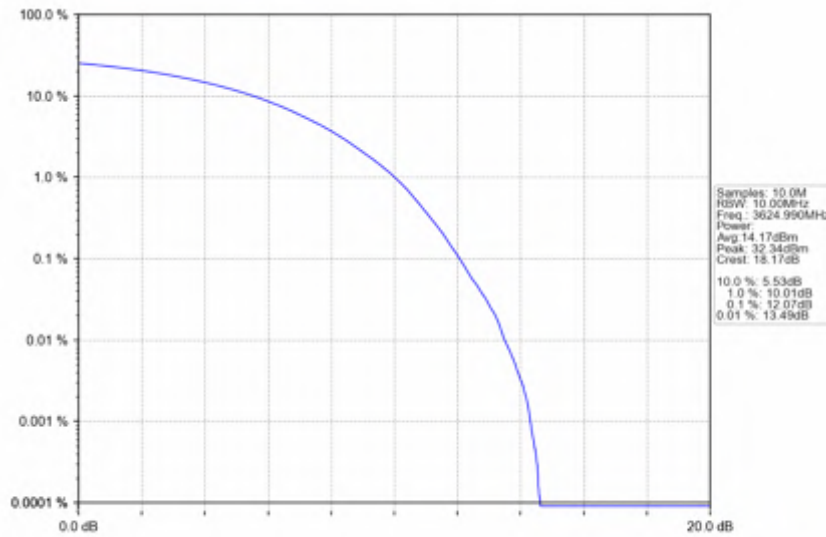
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_3684.99MHz_Outer_Full



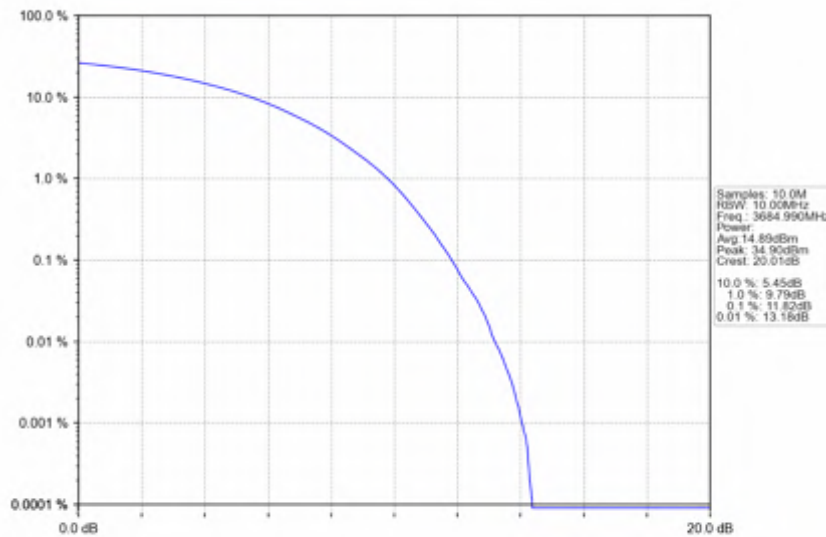
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3565.02MHz_Outer_Full



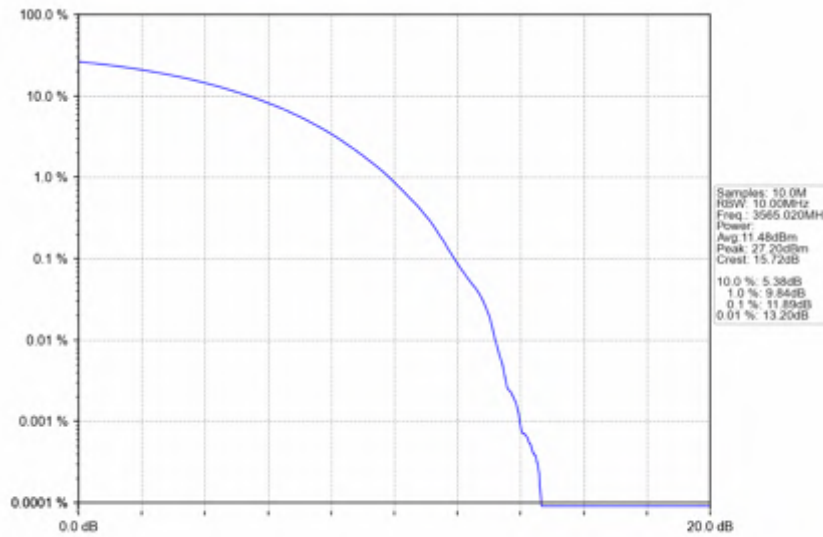
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



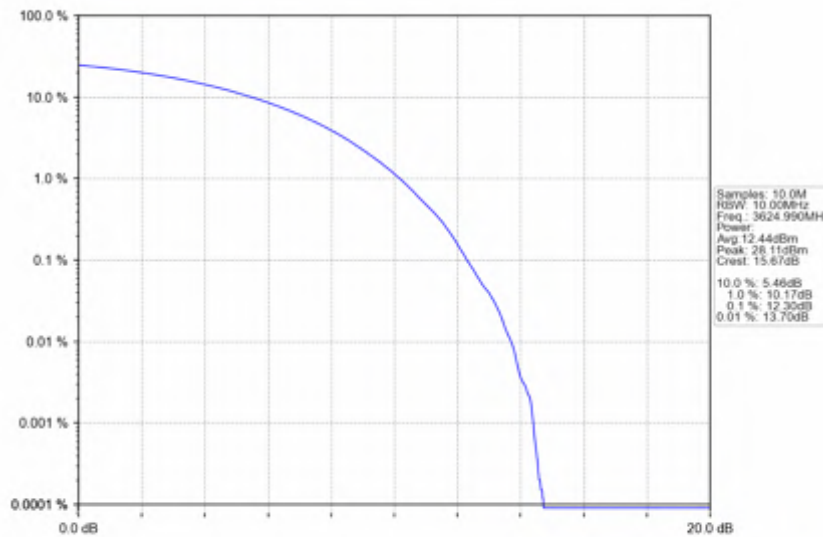
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3684.99MHz_Outer_Full



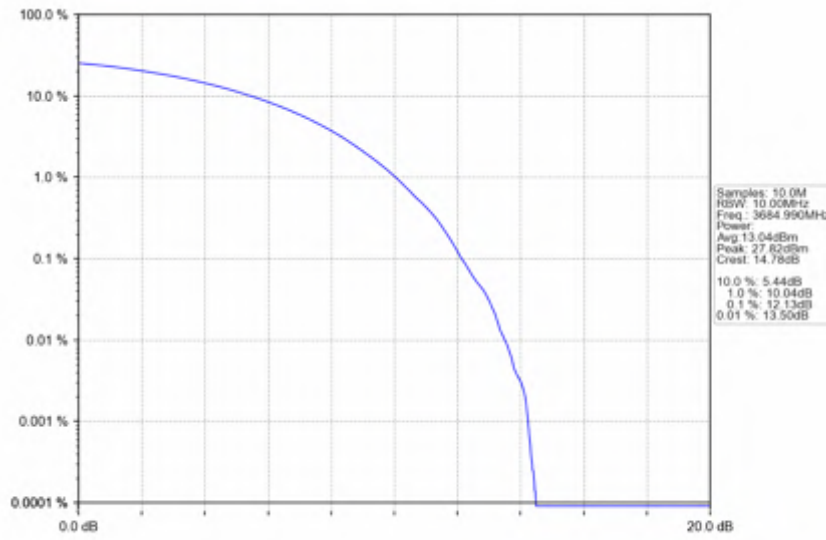
n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3565.02MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3684.99MHz_Outer_Full





5.3 30k_SISO_40MHz_NTNV

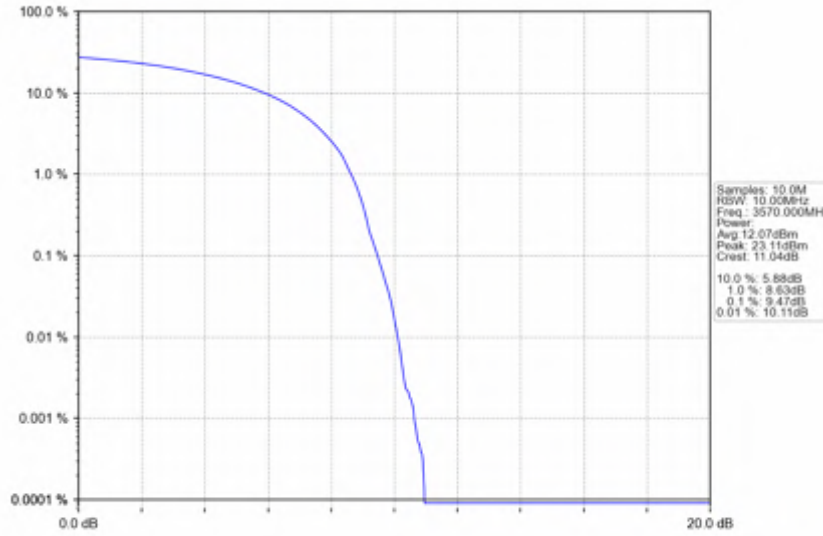
5.3.1 Test Result

5G NR n78(3550-3700MHz) SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3570	Outer_Full	9.47	/	/	<=13	Pass
	3624.99	Outer_Full	9.47	/	/	<=13	Pass
	3679.98	Outer_Full	9.83	/	/	<=13	Pass
DFT-s-OFDM QPSK	3570	Outer_Full	10.44	/	/	<=13	Pass
	3624.99	Outer_Full	10.37	/	/	<=13	Pass
	3679.98	Outer_Full	10.56	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	10.74	/	/	<=13	Pass
	3624.99	Outer_Full	10.98	/	/	<=13	Pass
	3679.98	Outer_Full	10.70	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	11.06	/	/	<=13	Pass
	3624.99	Outer_Full	11.13	/	/	<=13	Pass
	3679.98	Outer_Full	11.08	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	11.98	/	/	<=13	Pass
	3624.99	Outer_Full	11.09	/	/	<=13	Pass
	3679.98	Outer_Full	10.99	/	/	<=13	Pass
CP-OFDM QPSK	3570	Outer_Full	11.65	/	/	<=13	Pass
	3624.99	Outer_Full	12.59	/	/	<=13	Pass
	3679.98	Outer_Full	12.35	/	/	<=13	Pass
CP-OFDM 16 QAM	3570	Outer_Full	11.73	/	/	<=13	Pass
	3624.99	Outer_Full	11.86	/	/	<=13	Pass
	3679.98	Outer_Full	11.59	/	/	<=13	Pass
CP-OFDM 64 QAM	3570	Outer_Full	11.79	/	/	<=13	Pass
	3624.99	Outer_Full	11.61	/	/	<=13	Pass
	3679.98	Outer_Full	11.28	/	/	<=13	Pass
CP-OFDM 256 QAM	3570	Outer_Full	11.55	/	/	<=13	Pass
	3624.99	Outer_Full	11.55	/	/	<=13	Pass
	3679.98	Outer_Full	11.44	/	/	<=13	Pass

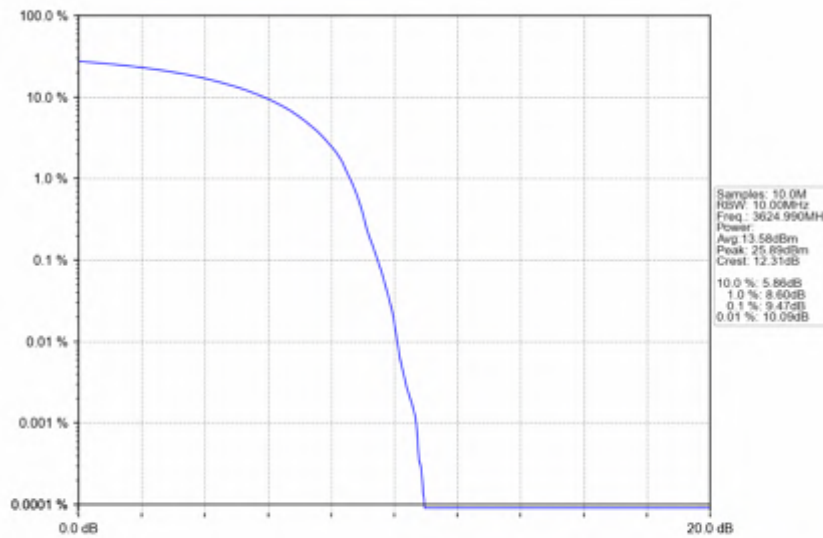


5.3.2 Test Graph

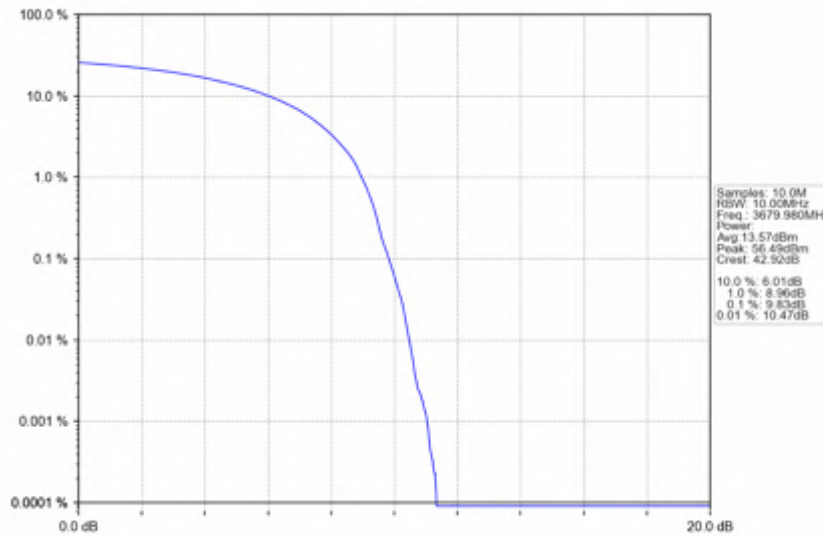
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3570MHz_Outer_Full



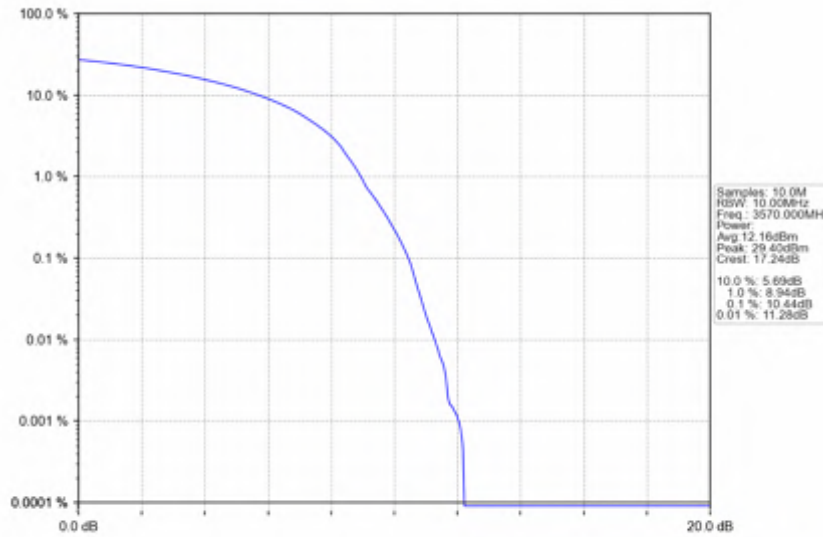
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



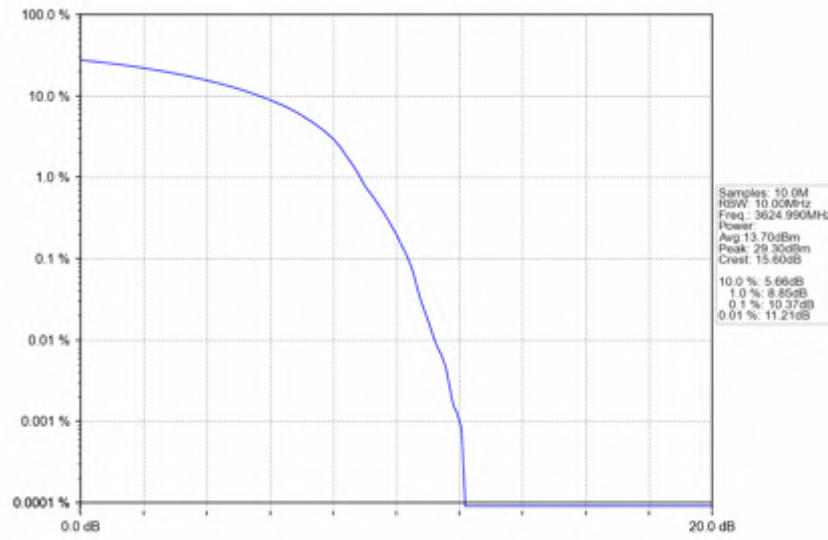
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3679.98MHz_Outer_Full



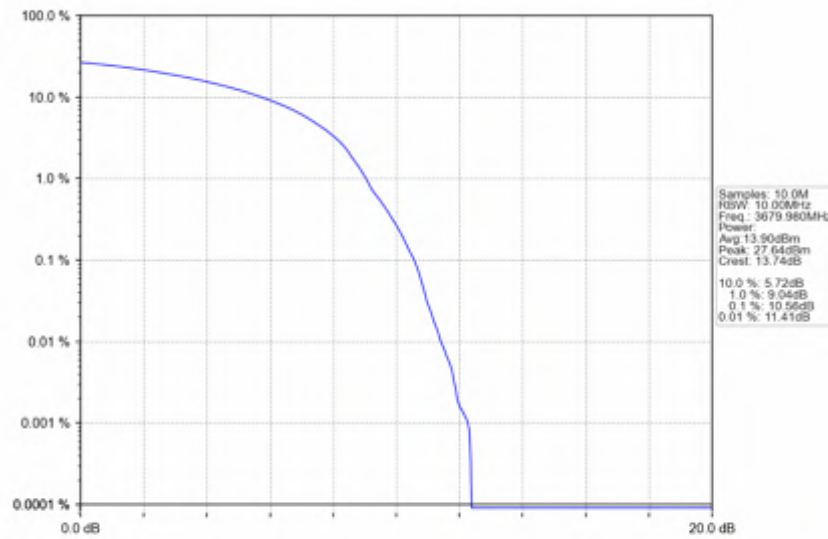
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3570MHz_Outer_Full



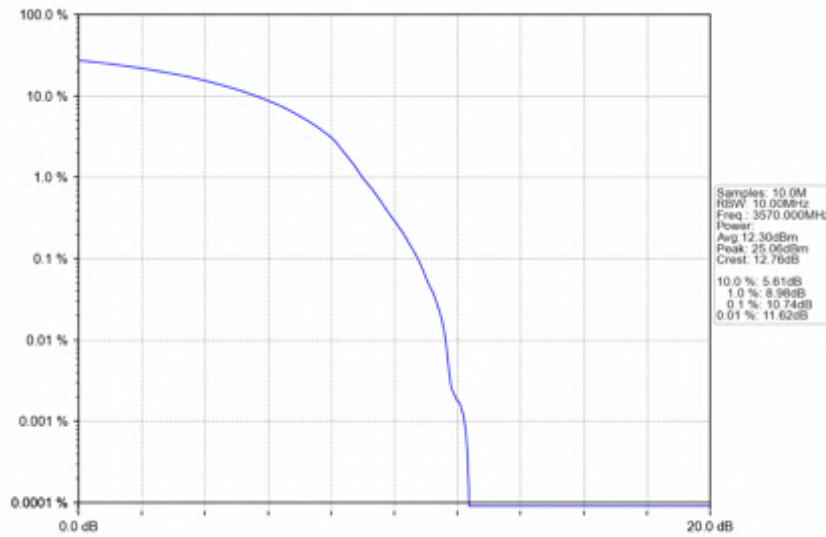
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



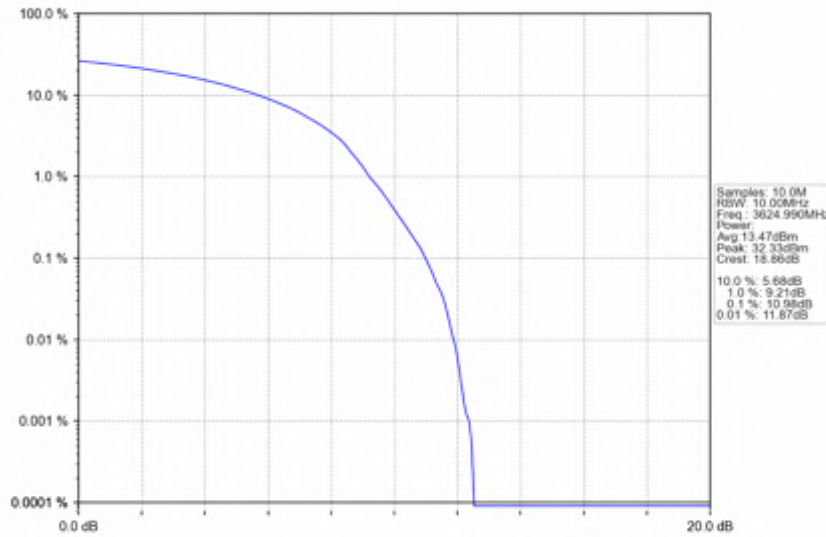
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3679.98MHz_Outer_Full



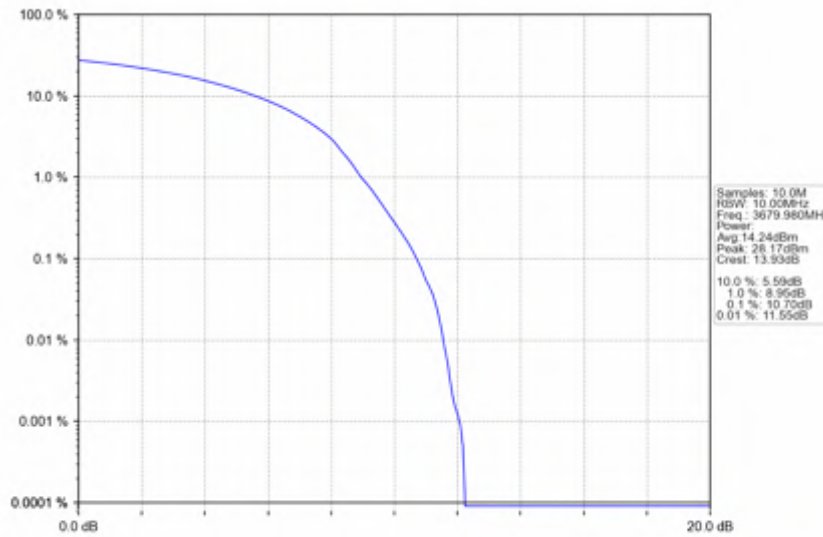
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3570MHz_Outer_Full



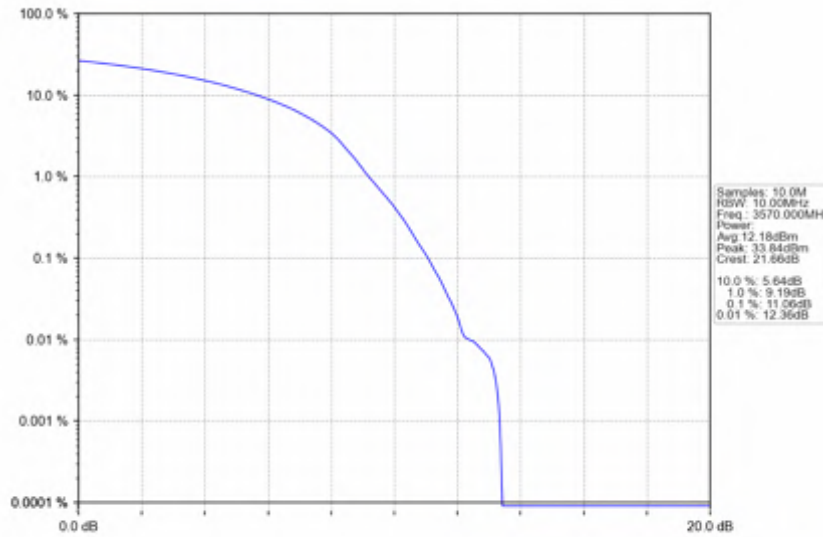
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



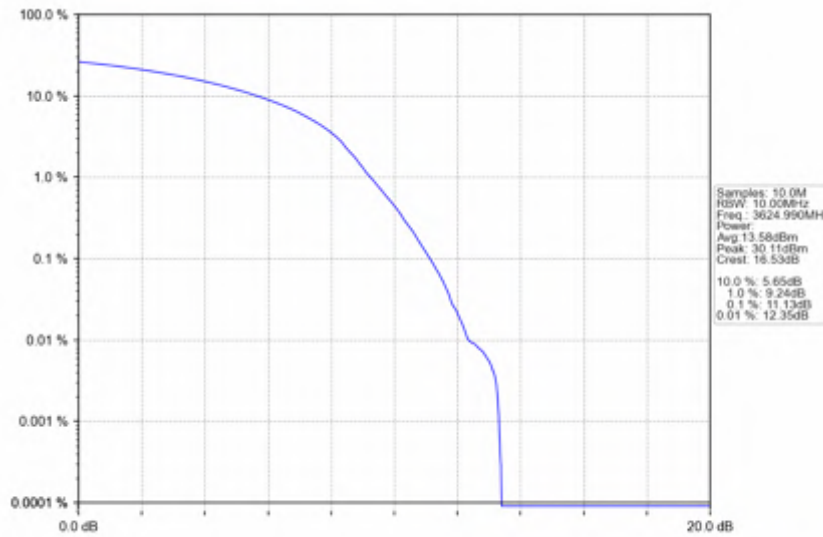
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3679.98MHz_Outer_Full



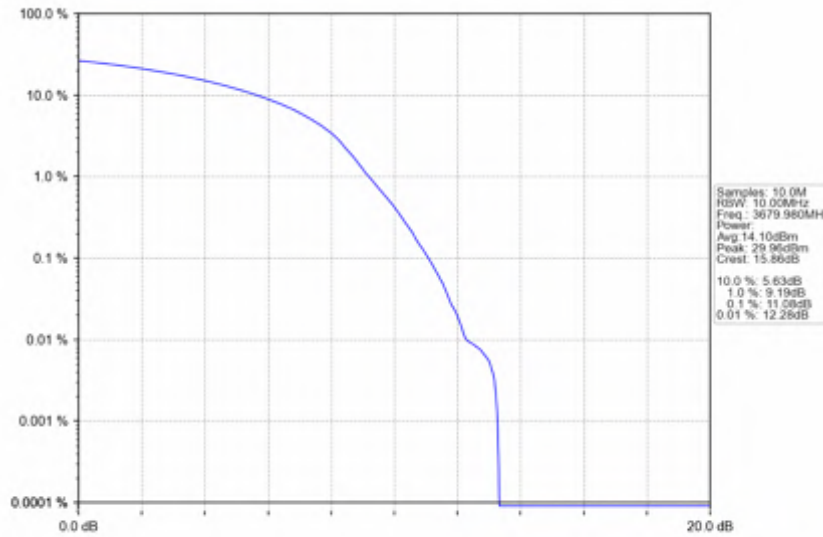
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3570MHz_Outer_Full



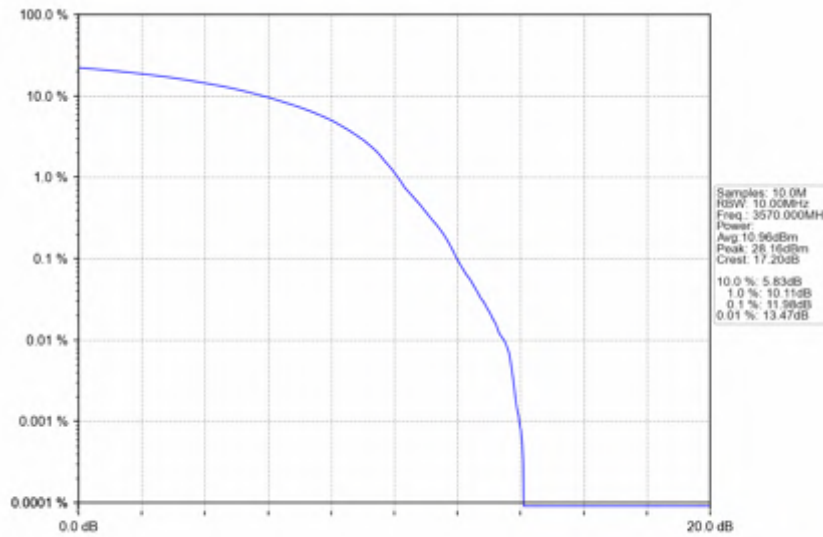
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



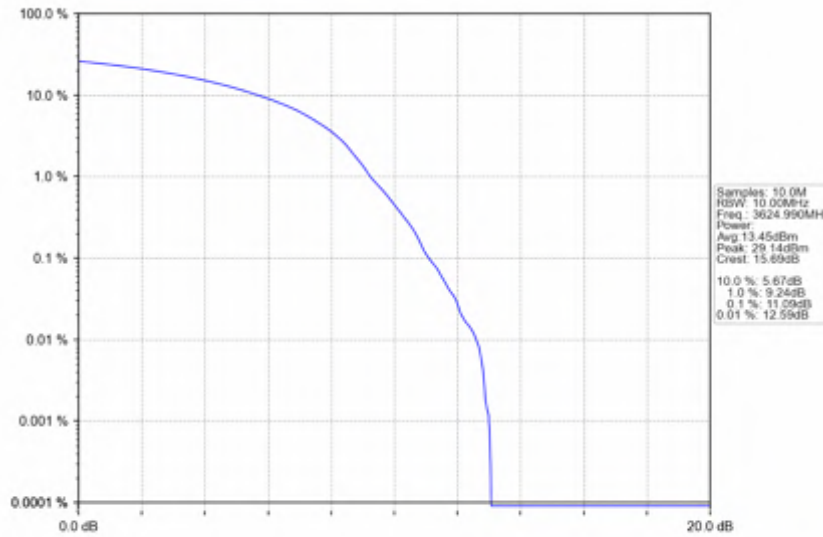
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3679.98MHz_Outer_Full



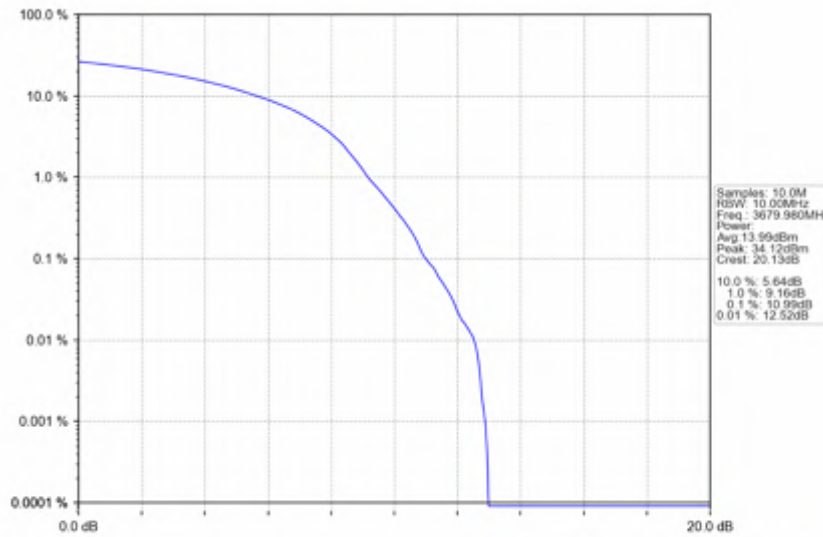
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3570MHz_Outer_Full



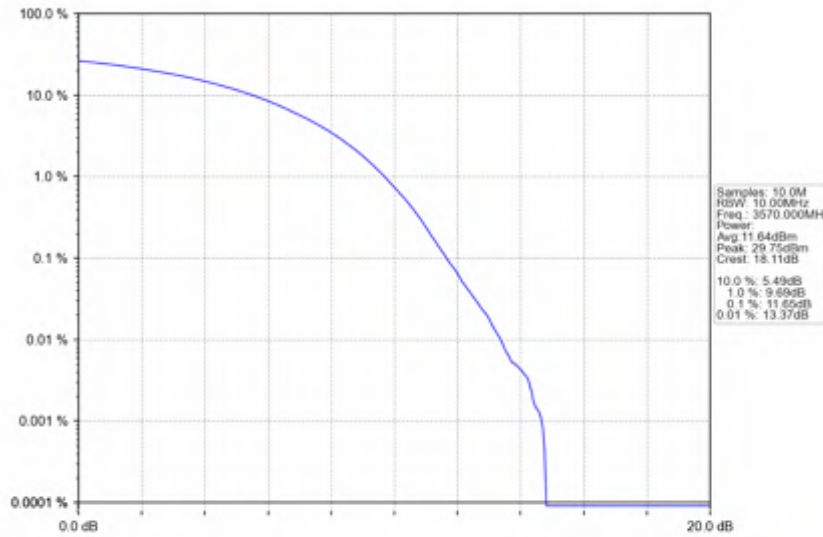
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



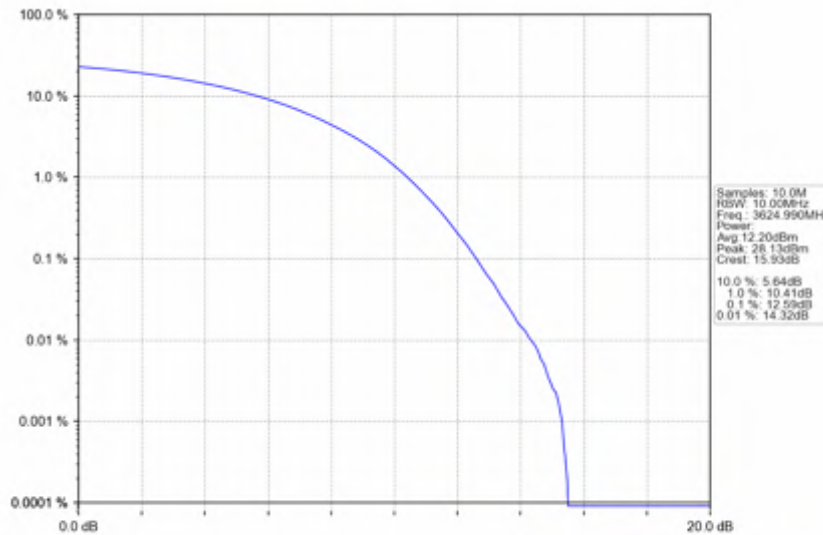
n78(3550-3700MHz)_30kHz_SISO_NTV_40MHz_DFT-s-OFDM 256 QAM_3679.98MHz_Outer_Full



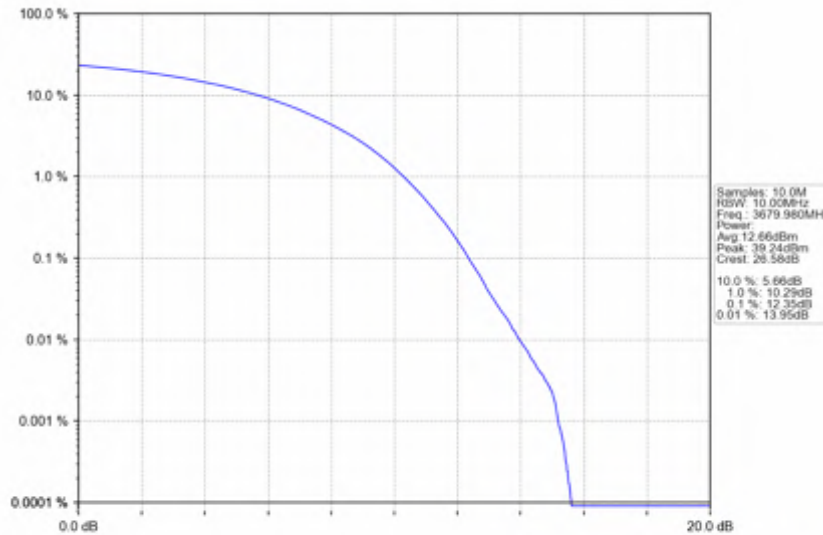
n78(3550-3700MHz)_30kHz_SISO_NTV_40MHz_CP-OFDM QPSK_3570MHz_Outer_Full



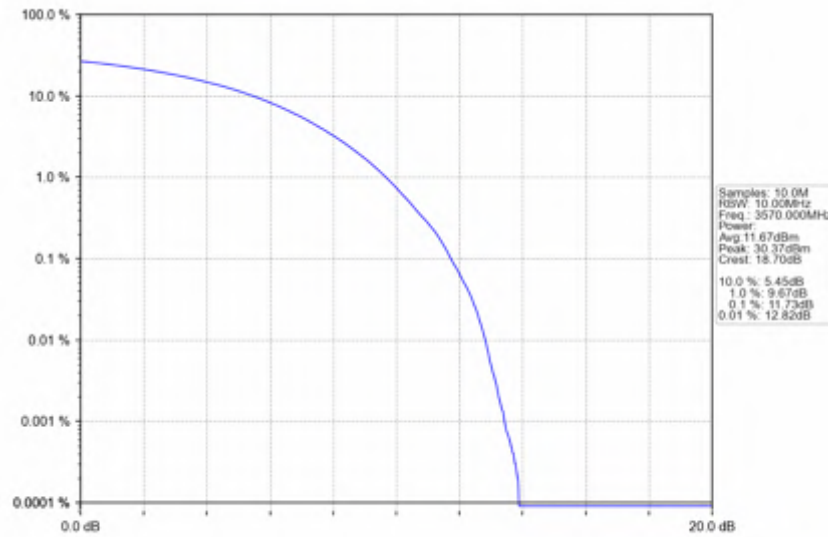
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



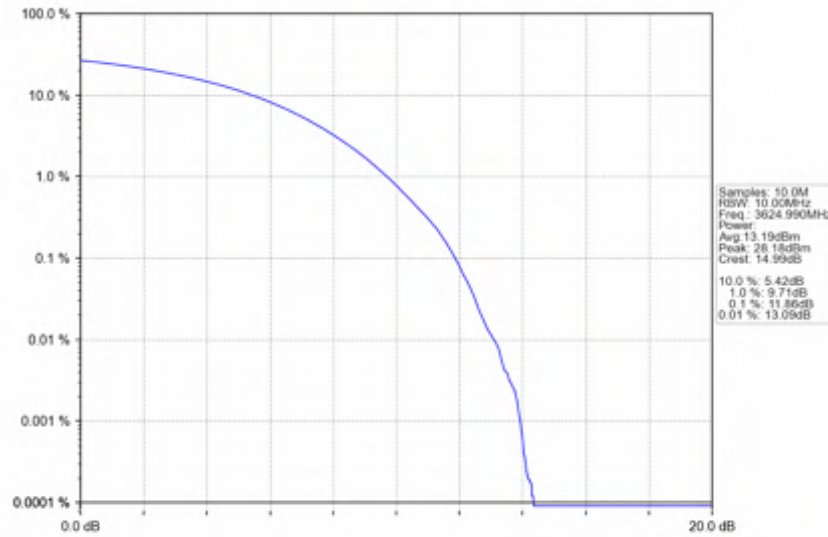
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Outer_Full



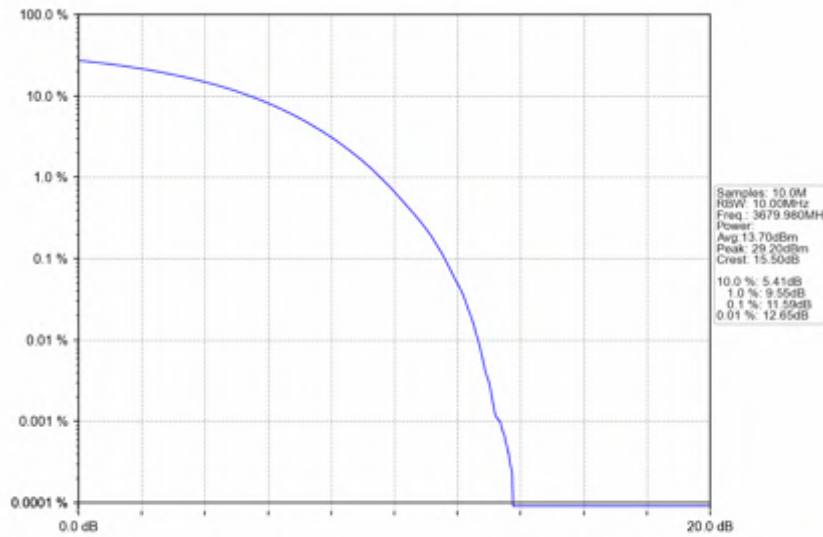
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3570MHz_Outer_Full



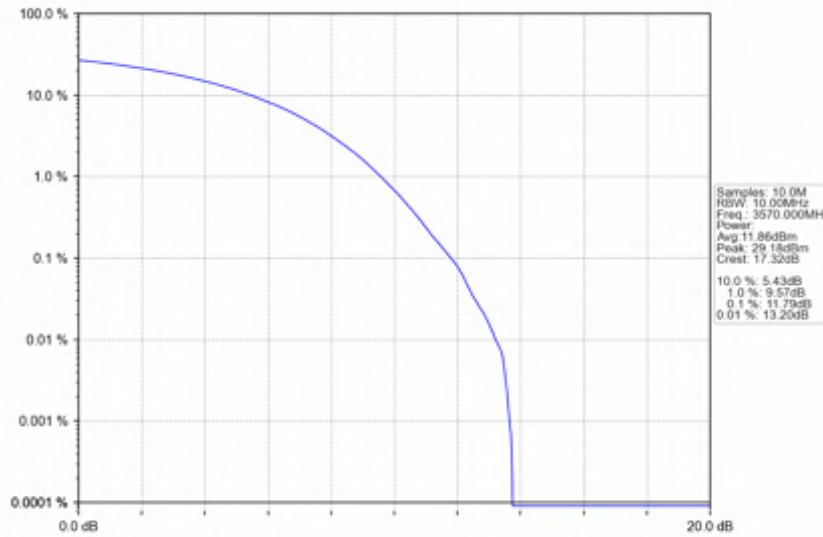
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



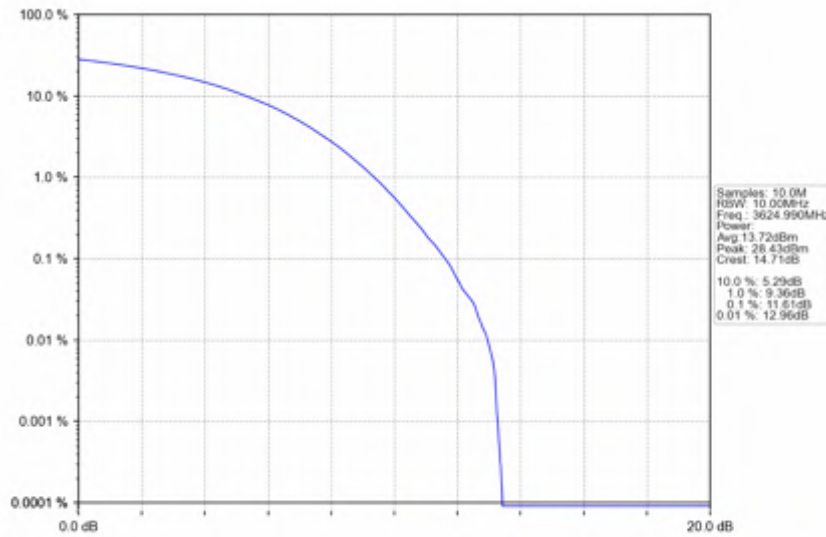
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3679.98MHz_Outer_Full



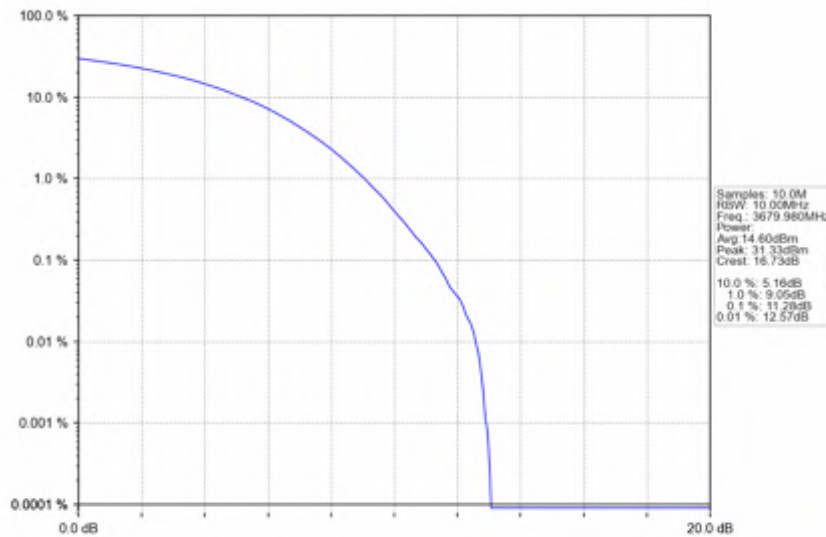
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3570MHz_Outer_Full



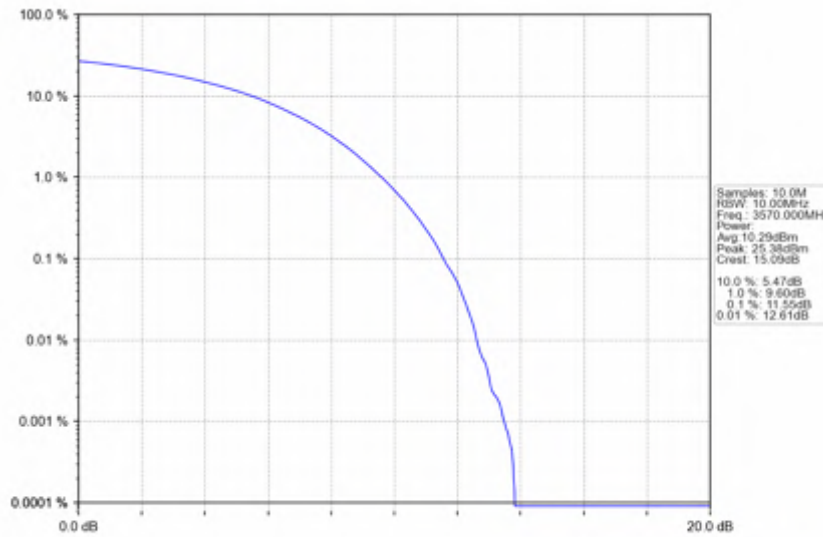
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



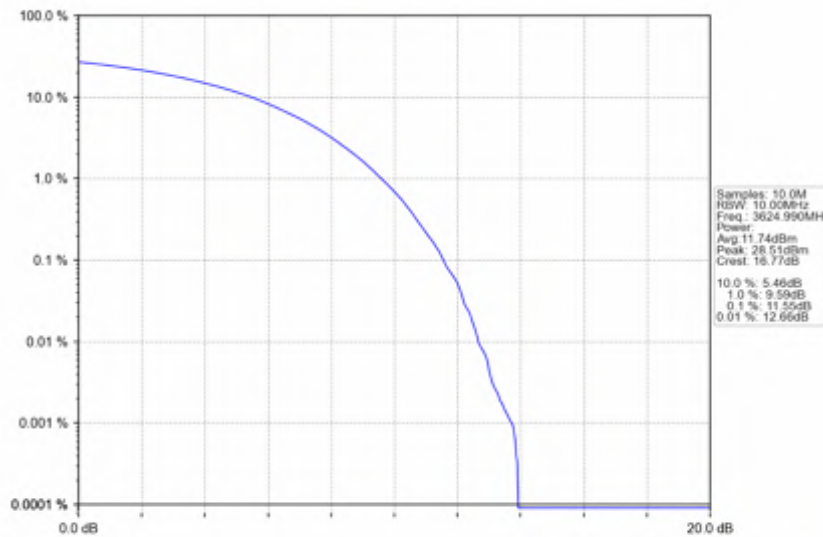
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3679.98MHz_Outer_Full



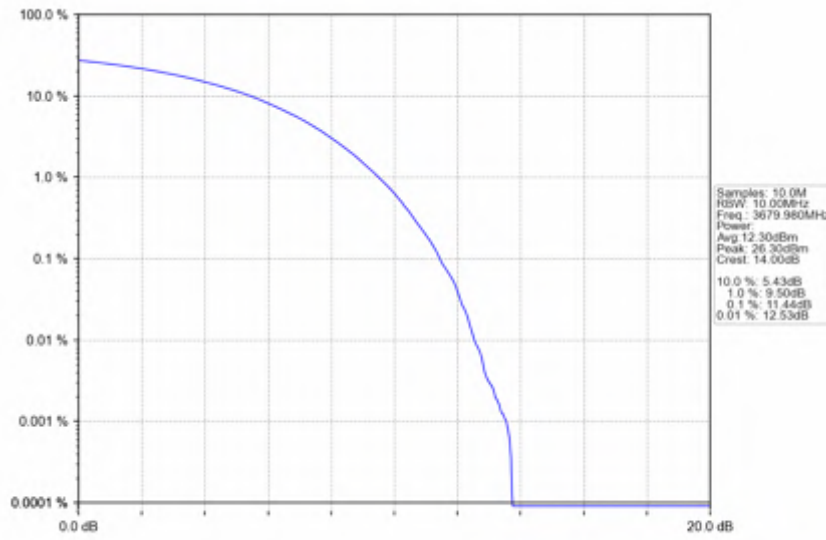
n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3570MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3679.98MHz_Outer_Full





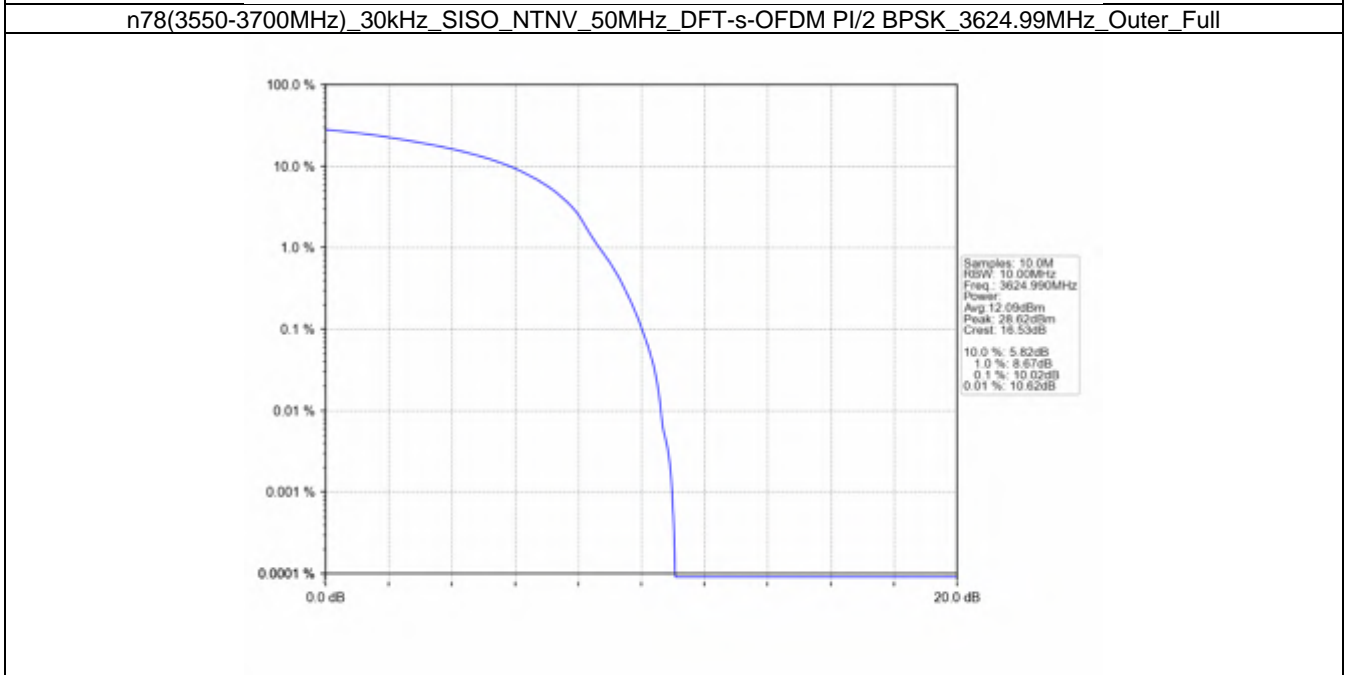
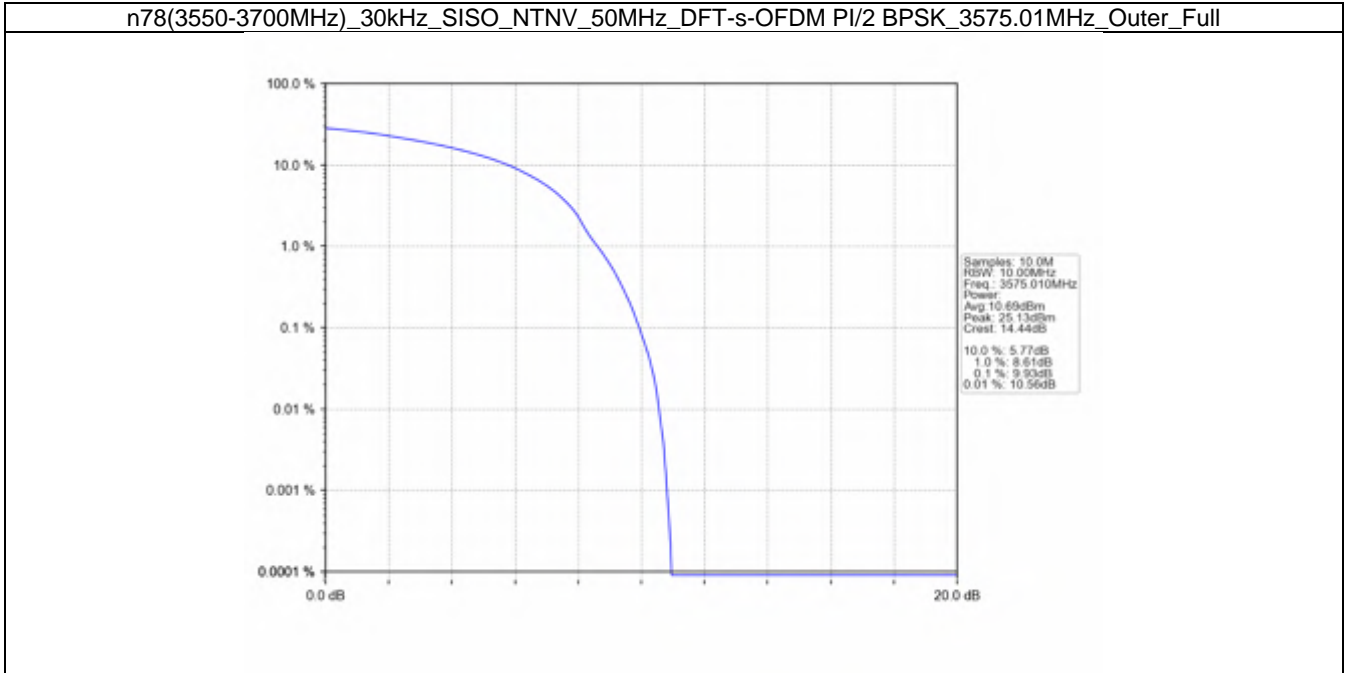
5.4 30k_SISO_50MHz_NTNV

5.4.1 Test Result

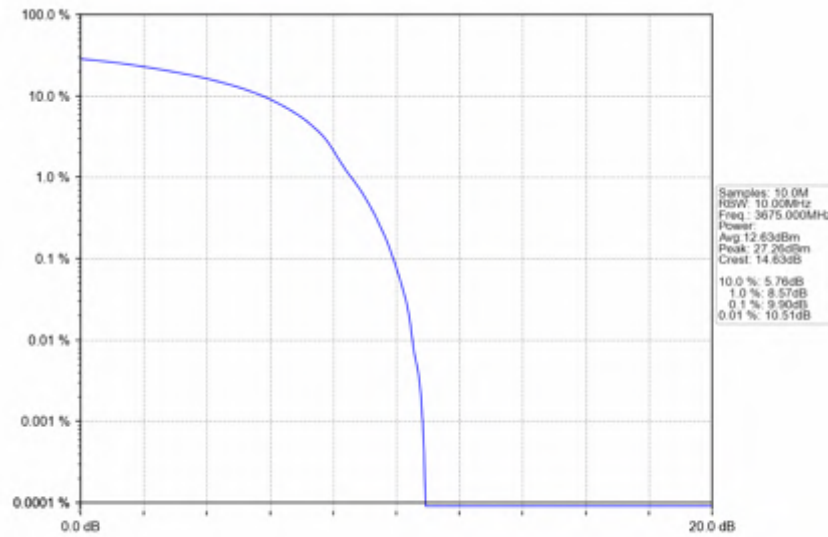
5G NR n78(3550-3700MHz) SCS=30kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3575.01	Outer_Full	9.93	/	/	<=13	Pass
	3624.99	Outer_Full	10.02	/	/	<=13	Pass
	3675	Outer_Full	9.90	/	/	<=13	Pass
DFT-s-OFDM QPSK	3575.01	Outer_Full	10.67	/	/	<=13	Pass
	3624.99	Outer_Full	11.07	/	/	<=13	Pass
	3675	Outer_Full	10.84	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3575.01	Outer_Full	11.01	/	/	<=13	Pass
	3624.99	Outer_Full	10.93	/	/	<=13	Pass
	3675	Outer_Full	10.96	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3575.01	Outer_Full	11.22	/	/	<=13	Pass
	3624.99	Outer_Full	11.29	/	/	<=13	Pass
	3675	Outer_Full	11.32	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3575.01	Outer_Full	12.94	/	/	<=13	Pass
	3624.99	Outer_Full	11.06	/	/	<=13	Pass
	3675	Outer_Full	11.08	/	/	<=13	Pass
CP-OFDM QPSK	3575.01	Outer_Full	11.65	/	/	<=13	Pass
	3624.99	Outer_Full	11.75	/	/	<=13	Pass
	3675	Outer_Full	11.61	/	/	<=13	Pass
CP-OFDM 16 QAM	3575.01	Outer_Full	11.47	/	/	<=13	Pass
	3624.99	Outer_Full	11.67	/	/	<=13	Pass
	3675	Outer_Full	11.31	/	/	<=13	Pass
CP-OFDM 64 QAM	3575.01	Outer_Full	11.55	/	/	<=13	Pass
	3624.99	Outer_Full	11.77	/	/	<=13	Pass
	3675	Outer_Full	11.80	/	/	<=13	Pass
CP-OFDM 256 QAM	3575.01	Outer_Full	12.32	/	/	<=13	Pass
	3624.99	Outer_Full	11.94	/	/	<=13	Pass
	3675	Outer_Full	11.90	/	/	<=13	Pass



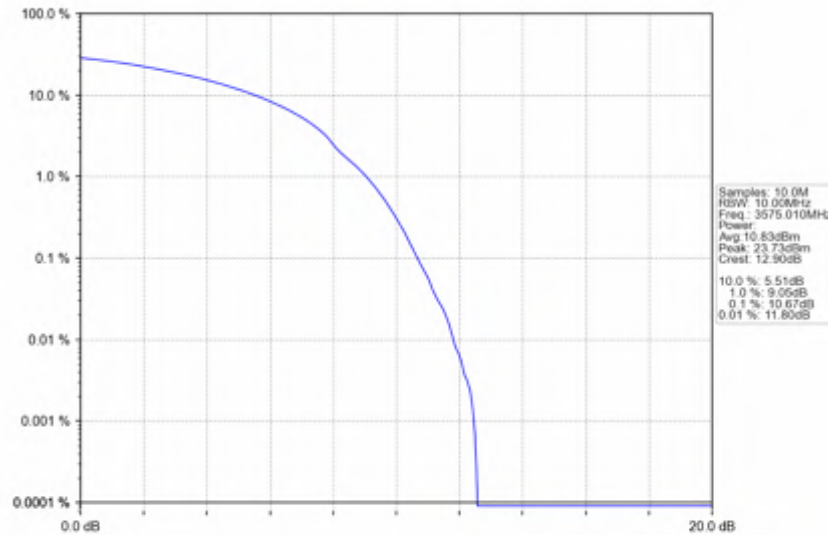
5.4.2 Test Graph



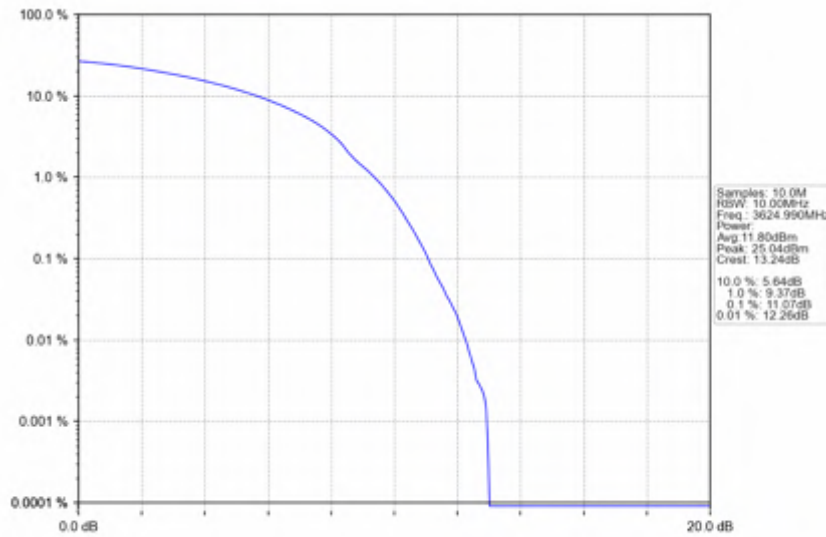
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3675MHz_Outer_Full



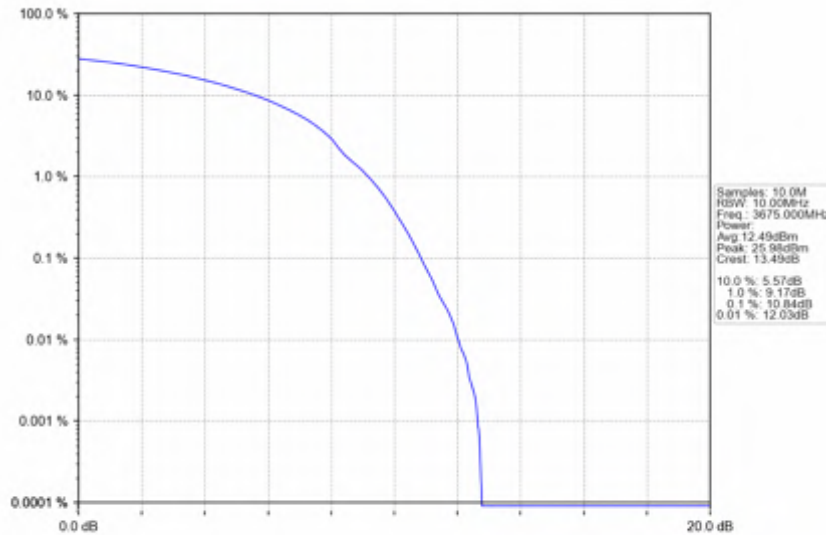
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3575.01MHz_Outer_Full



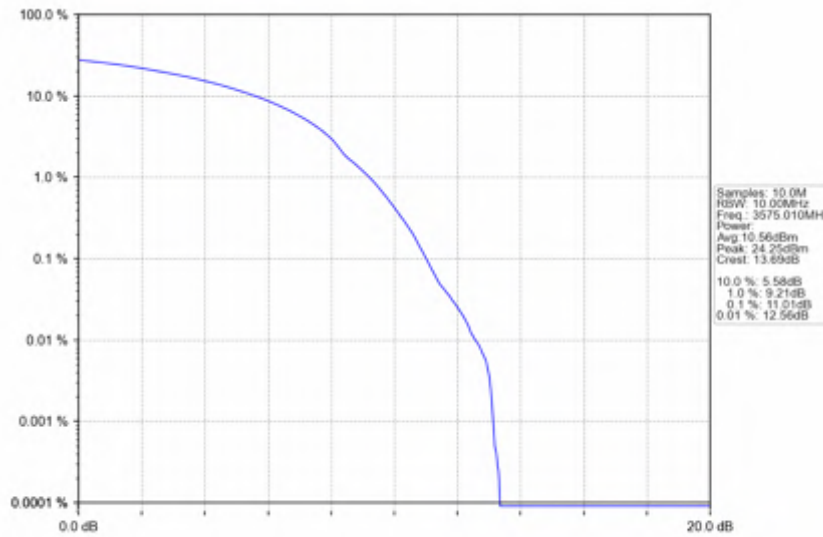
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



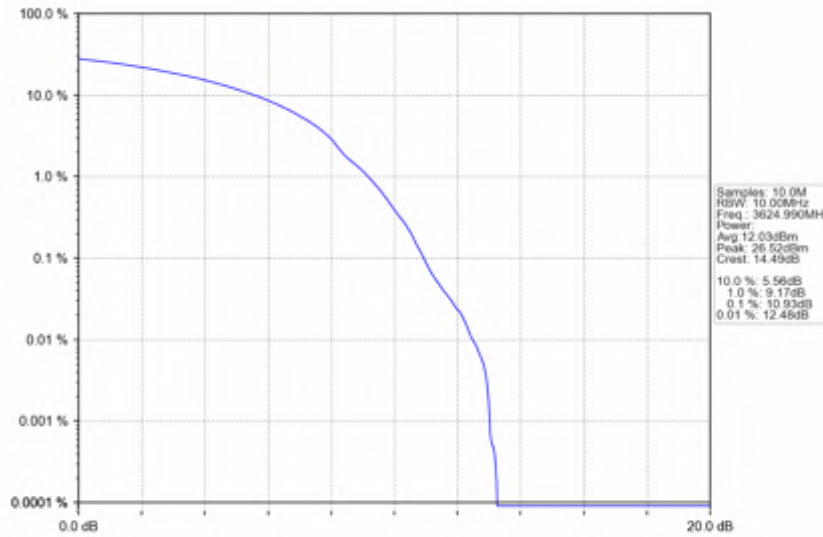
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3675MHz_Outer_Full



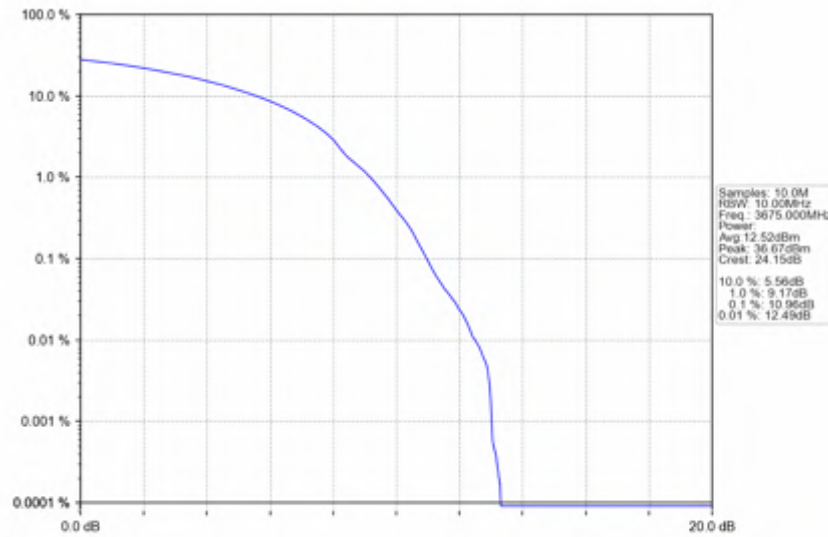
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3575.01MHz_Outer_Full



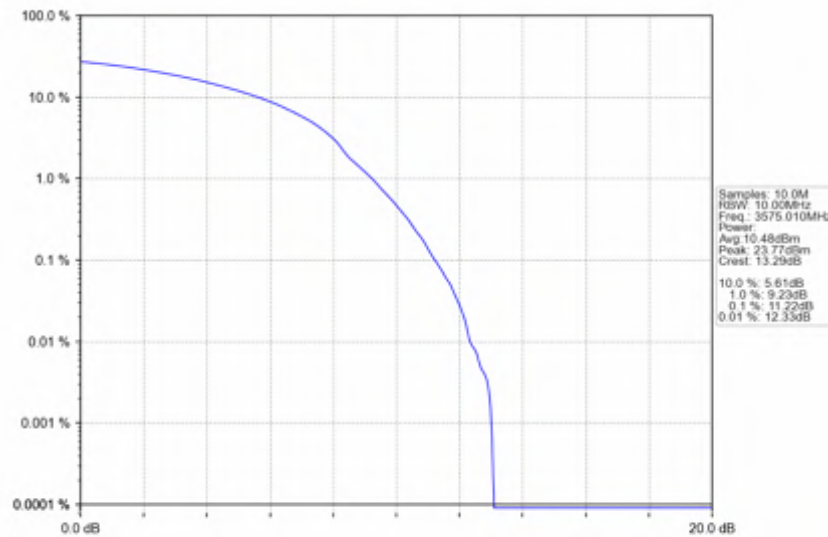
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3624.99MHz_Outer_Full



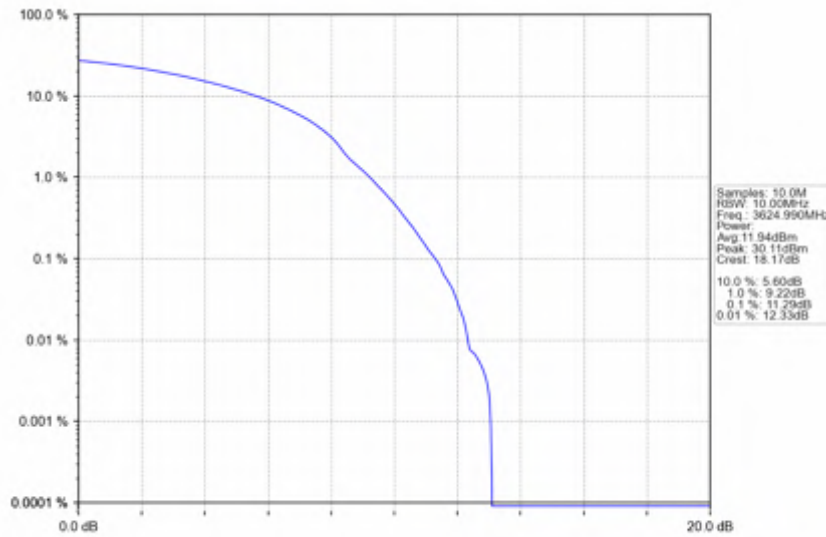
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3675MHz_Outer_Full



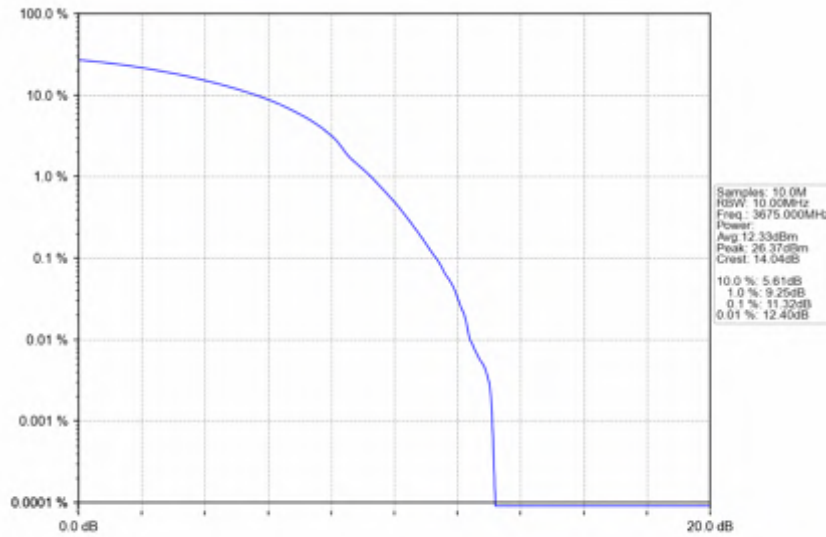
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3575.01MHz_Outer_Full



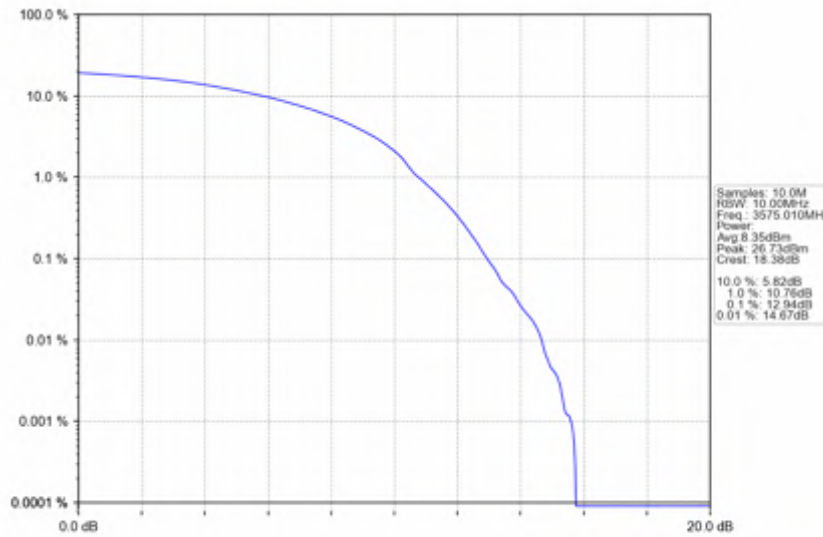
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



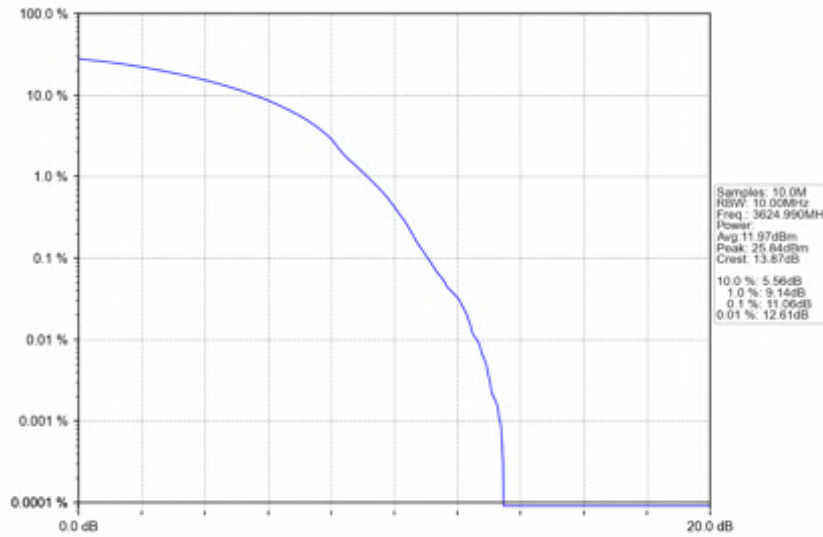
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3675MHz_Outer_Full



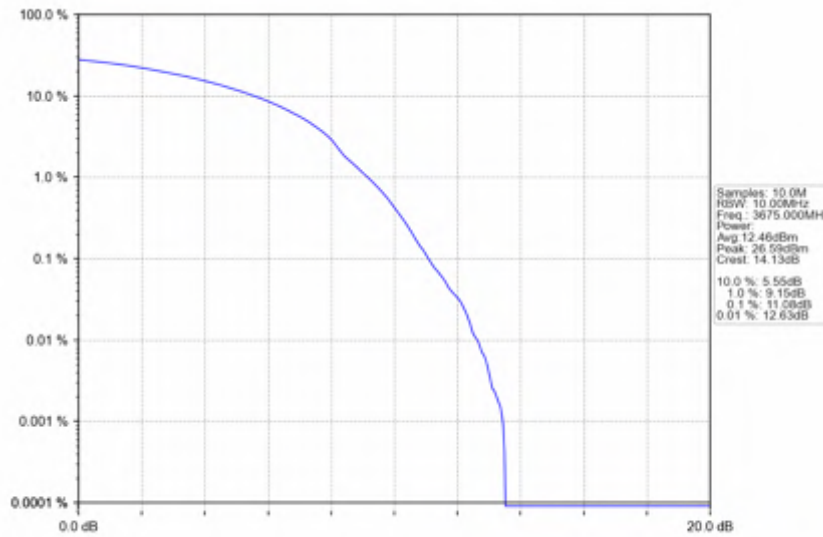
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3575.01MHz_Outer_Full



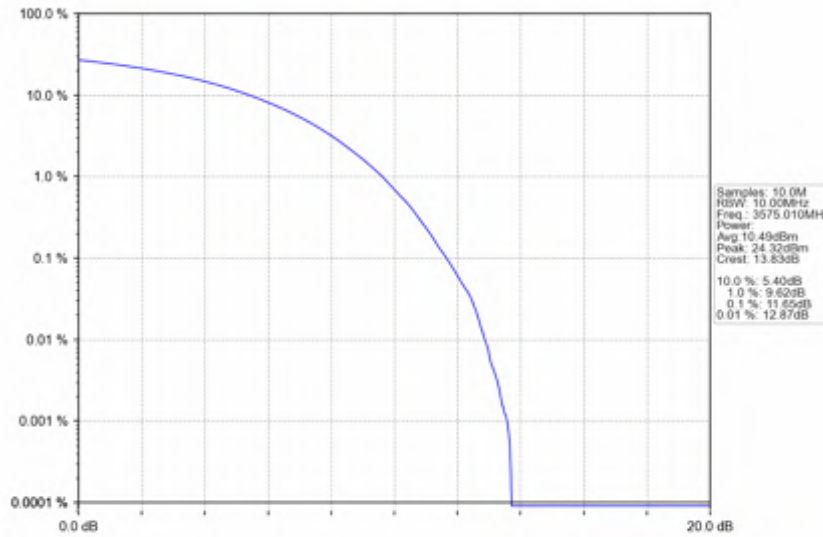
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



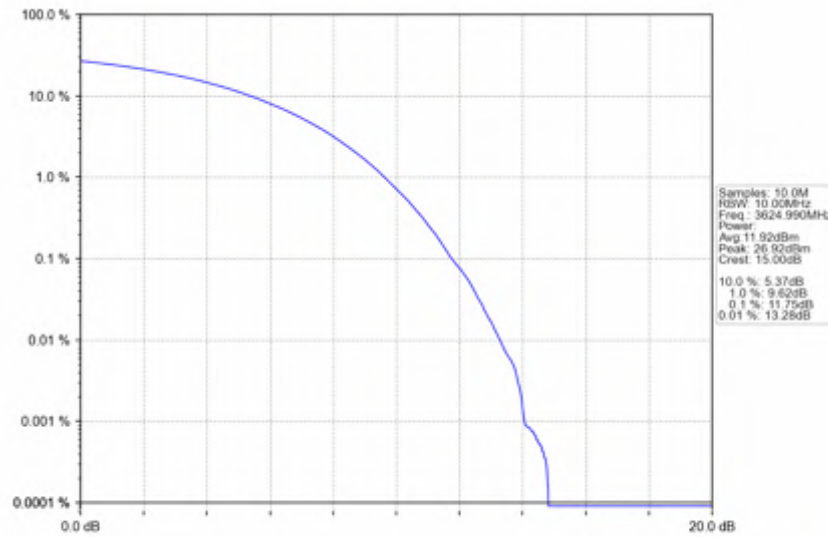
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 256 QAM_3675MHz_Outer_Full



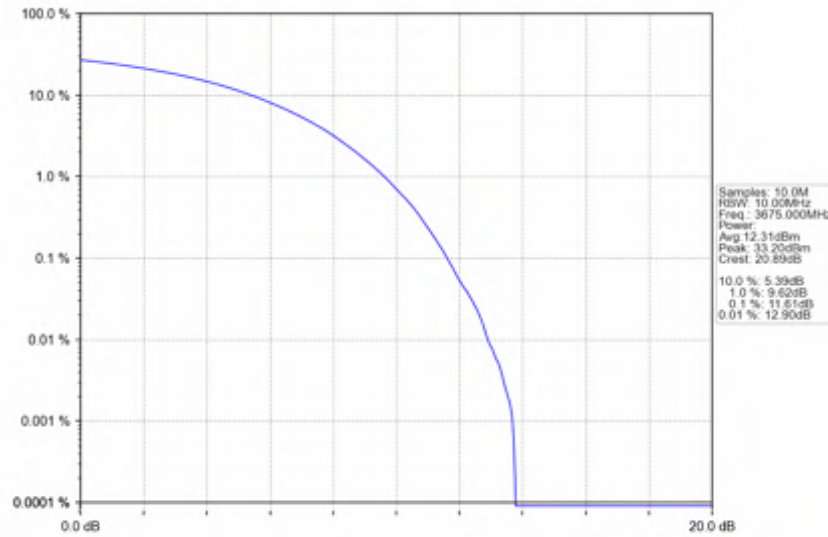
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Outer_Full



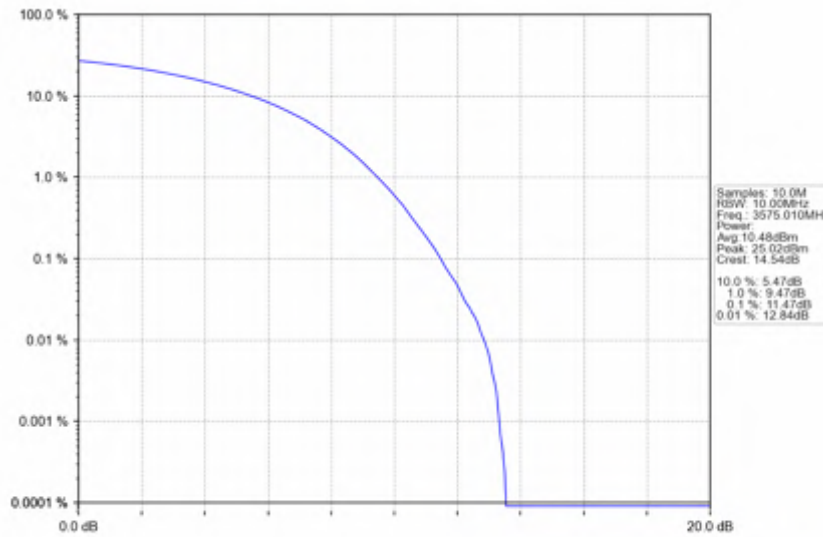
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



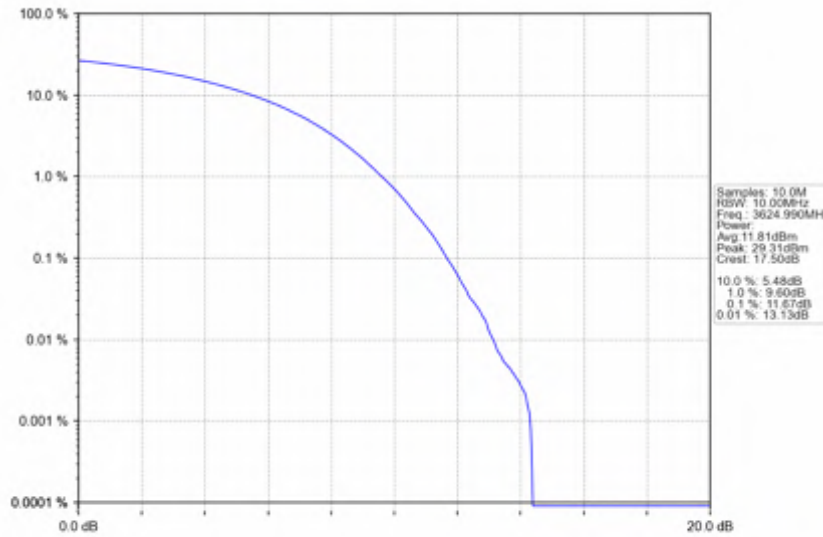
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Outer_Full



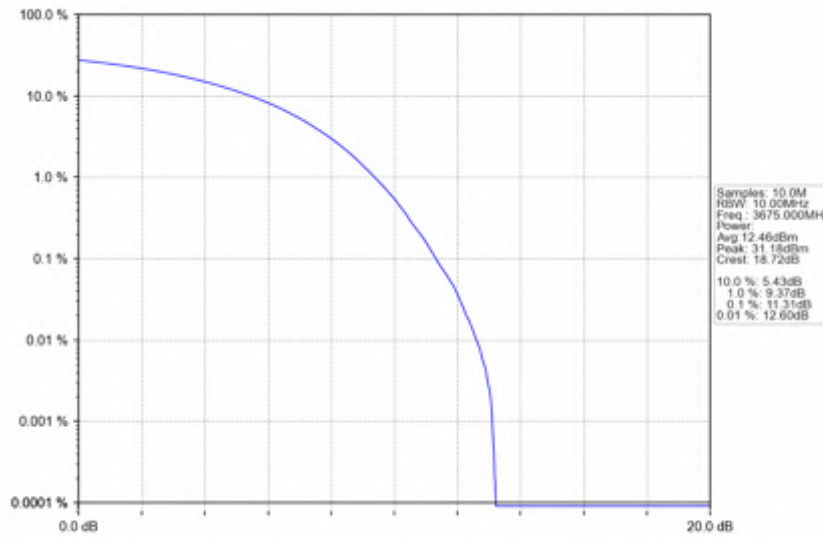
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3575.01MHz_Outer_Full



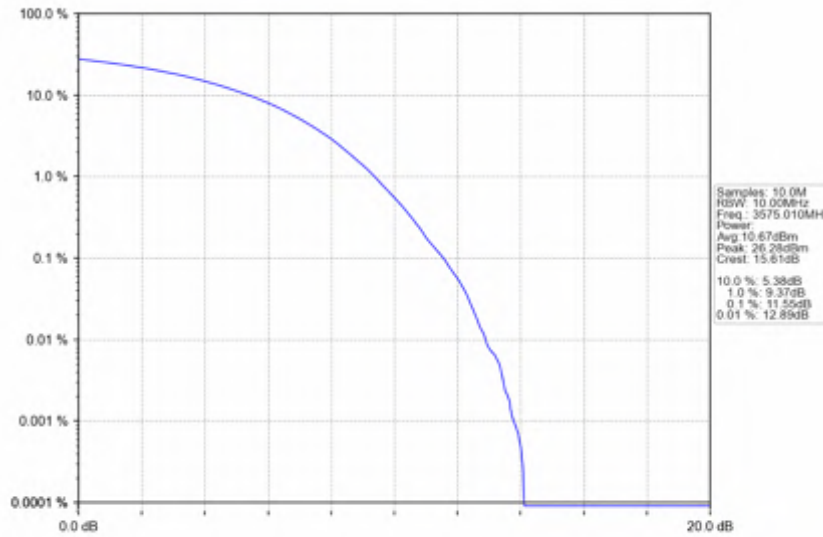
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



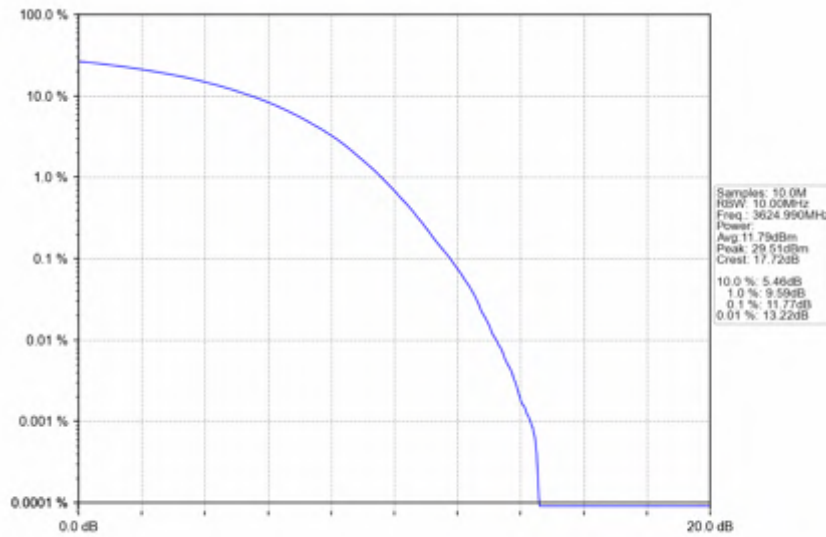
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3675MHz_Outer_Full



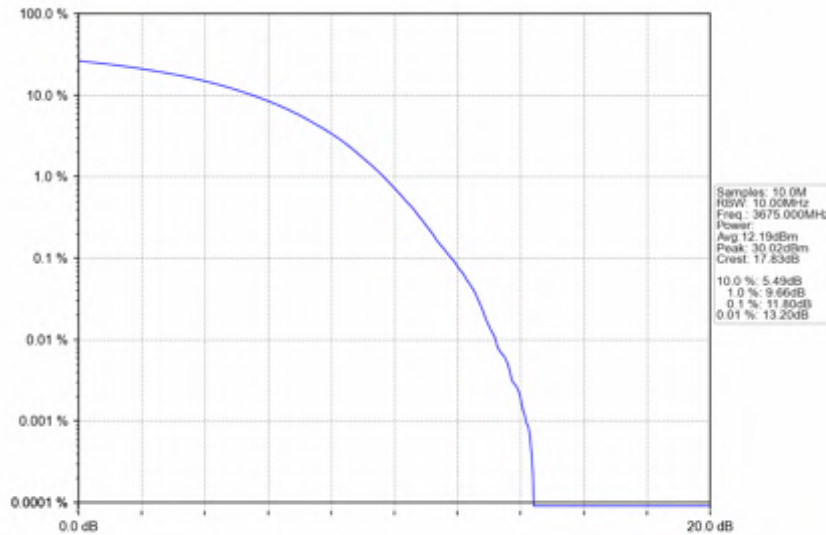
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3575.01MHz_Outer_Full



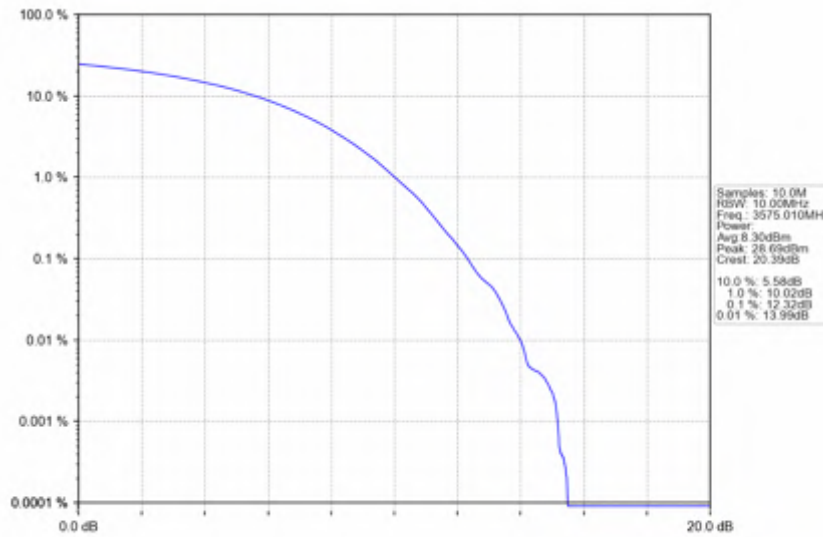
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



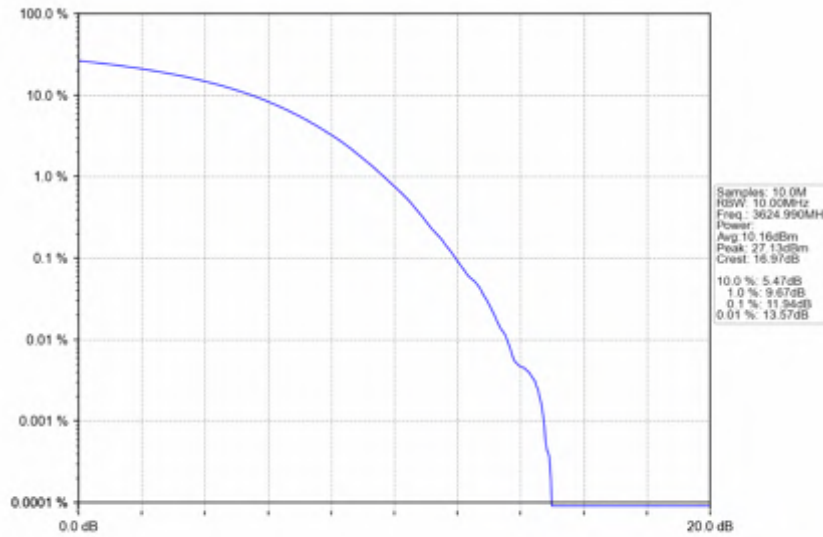
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3675MHz_Outer_Full



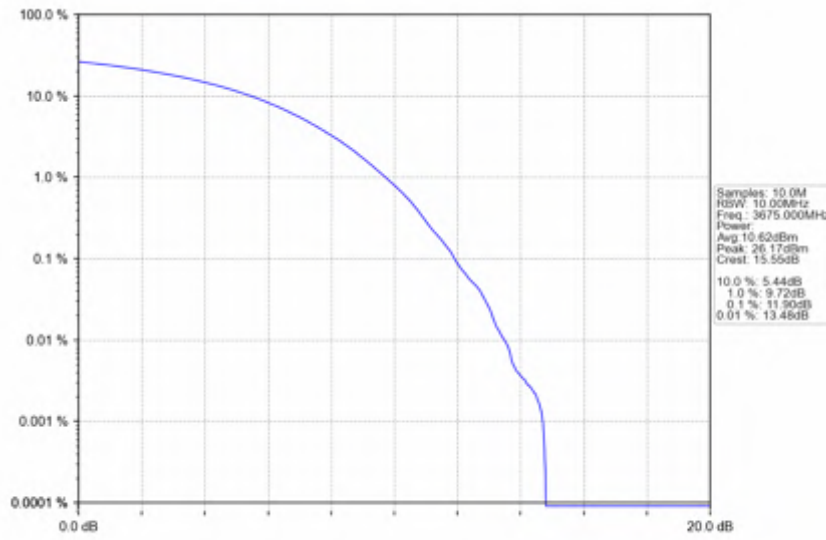
n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3575.01MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3675MHz_Outer_Full





5.5 30k_SISO_60MHz_NTNV

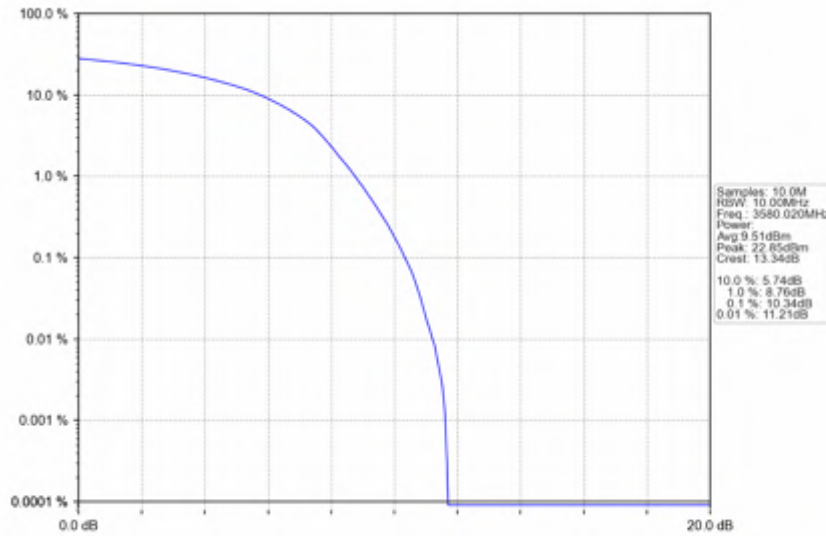
5.5.1 Test Result

5G NR n78(3550-3700MHz) SCS=30kHz SISO 60MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3580.02	Outer_Full	10.34	/	/	<=13	Pass
	3624.99	Outer_Full	10.39	/	/	<=13	Pass
	3669.99	Outer_Full	10.33	/	/	<=13	Pass
DFT-s-OFDM QPSK	3580.02	Outer_Full	11.05	/	/	<=13	Pass
	3624.99	Outer_Full	10.77	/	/	<=13	Pass
	3669.99	Outer_Full	10.72	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3580.02	Outer_Full	11.20	/	/	<=13	Pass
	3624.99	Outer_Full	11.15	/	/	<=13	Pass
	3669.99	Outer_Full	11.15	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3580.02	Outer_Full	11.17	/	/	<=13	Pass
	3624.99	Outer_Full	11.03	/	/	<=13	Pass
	3669.99	Outer_Full	10.98	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3580.02	Outer_Full	10.87	/	/	<=13	Pass
	3624.99	Outer_Full	10.85	/	/	<=13	Pass
	3669.99	Outer_Full	11.33	/	/	<=13	Pass
CP-OFDM QPSK	3580.02	Outer_Full	11.76	/	/	<=13	Pass
	3624.99	Outer_Full	11.73	/	/	<=13	Pass
	3669.99	Outer_Full	11.65	/	/	<=13	Pass
CP-OFDM 16 QAM	3580.02	Outer_Full	11.49	/	/	<=13	Pass
	3624.99	Outer_Full	11.79	/	/	<=13	Pass
	3669.99	Outer_Full	11.66	/	/	<=13	Pass
CP-OFDM 64 QAM	3580.02	Outer_Full	11.50	/	/	<=13	Pass
	3624.99	Outer_Full	11.86	/	/	<=13	Pass
	3669.99	Outer_Full	11.40	/	/	<=13	Pass
CP-OFDM 256 QAM	3580.02	Outer_Full	11.59	/	/	<=13	Pass
	3624.99	Outer_Full	11.71	/	/	<=13	Pass
	3669.99	Outer_Full	11.81	/	/	<=13	Pass

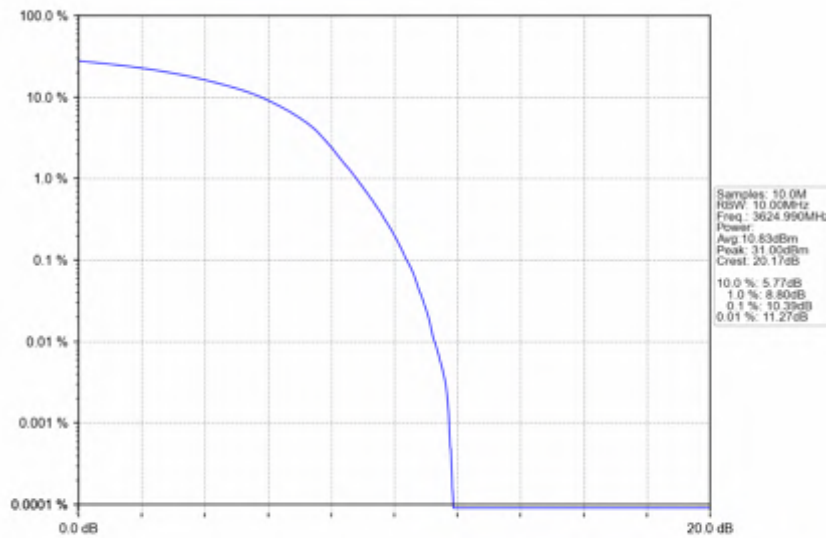


5.5.2 Test Graph

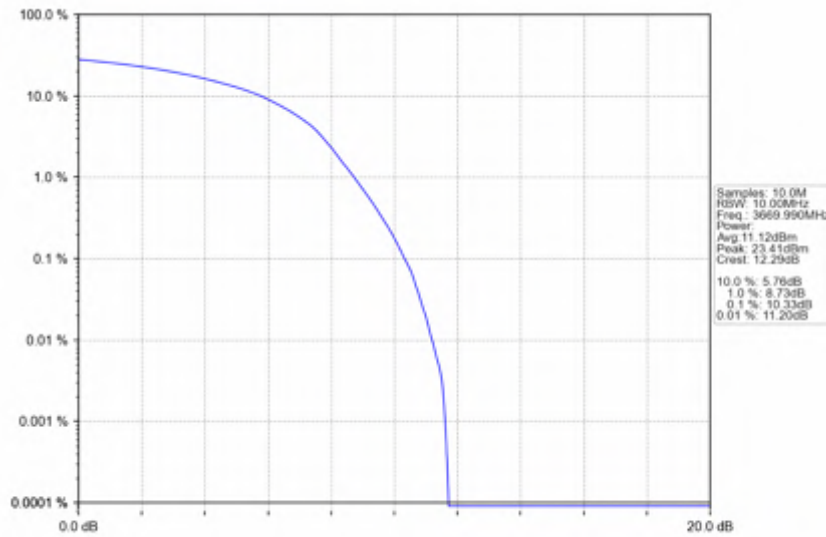
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3580.02MHz_Outer_Full



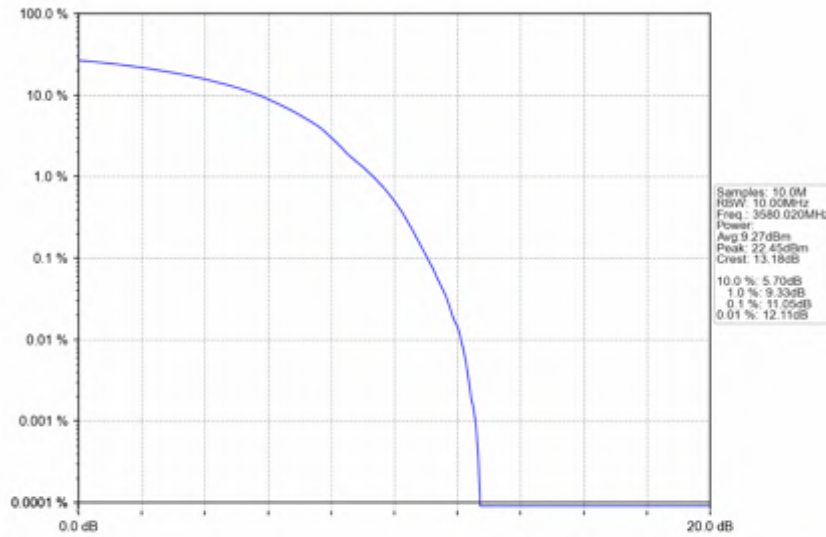
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



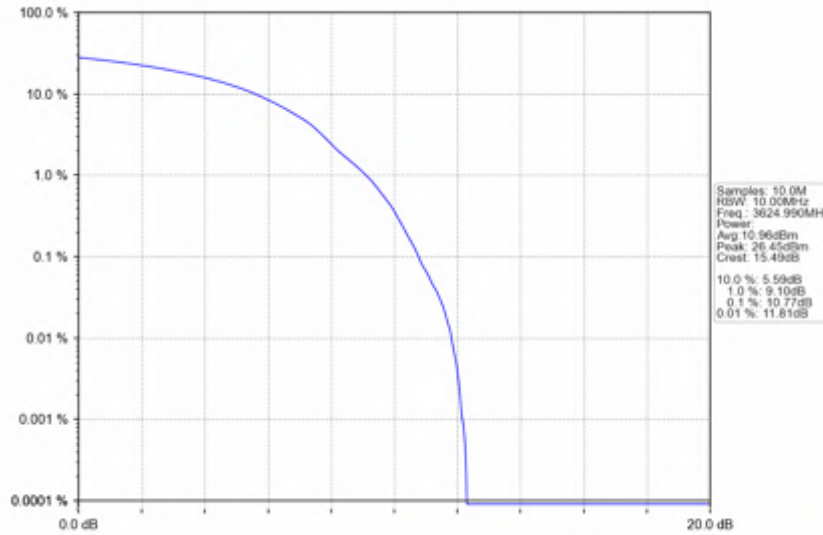
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3669.99MHz_Outer_Full



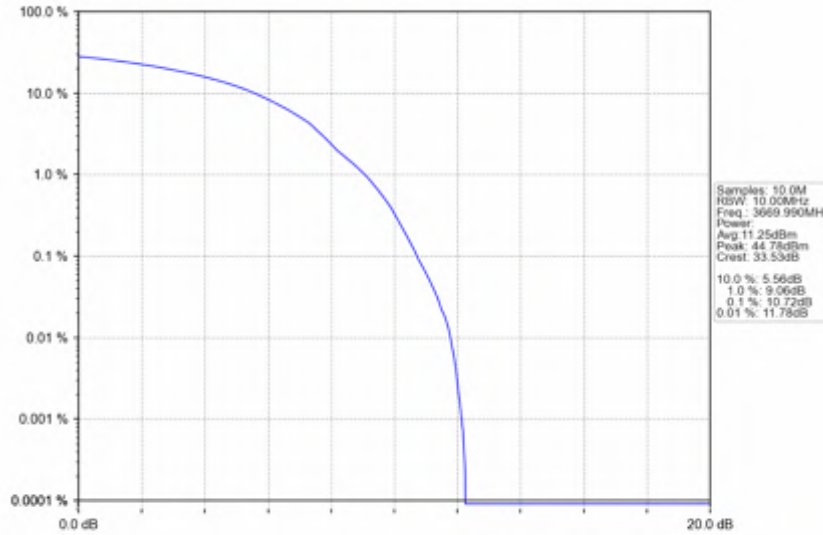
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3580.02MHz_Outer_Full



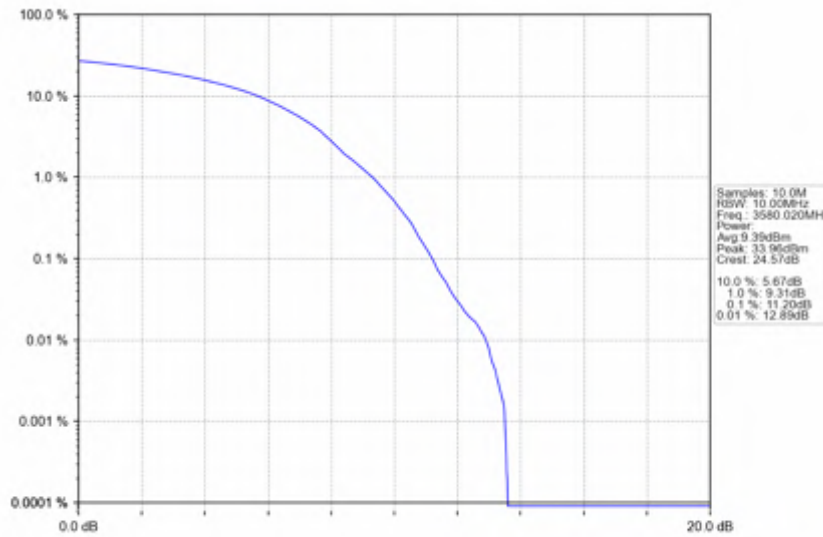
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



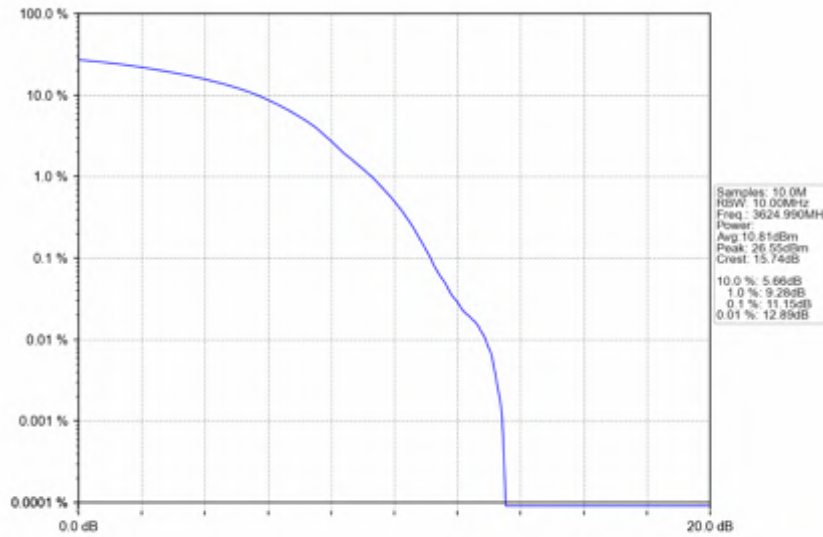
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3669.99MHz_Outer_Full



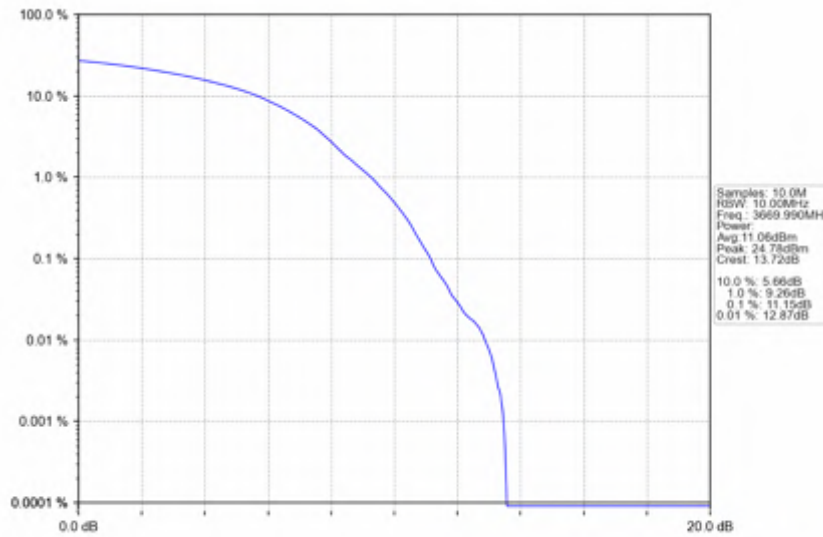
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_3580.02MHz_Outer_Full



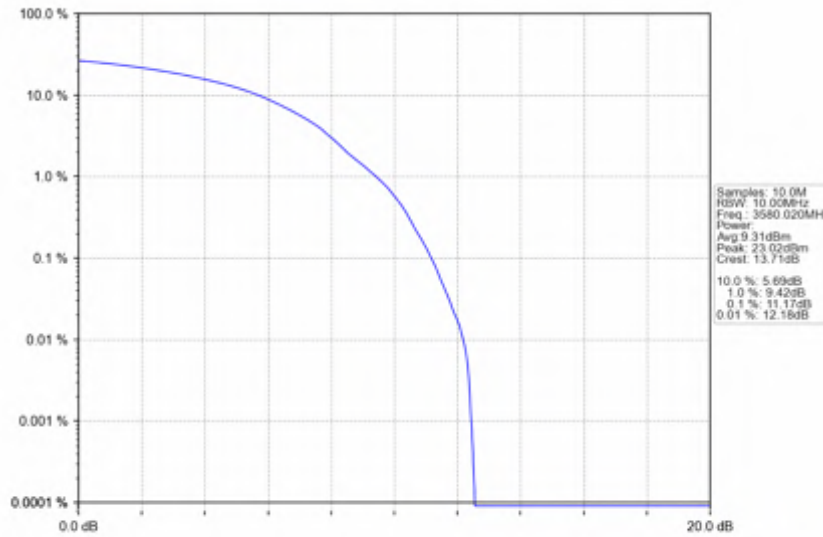
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_3624.99MHz_Outer_Full



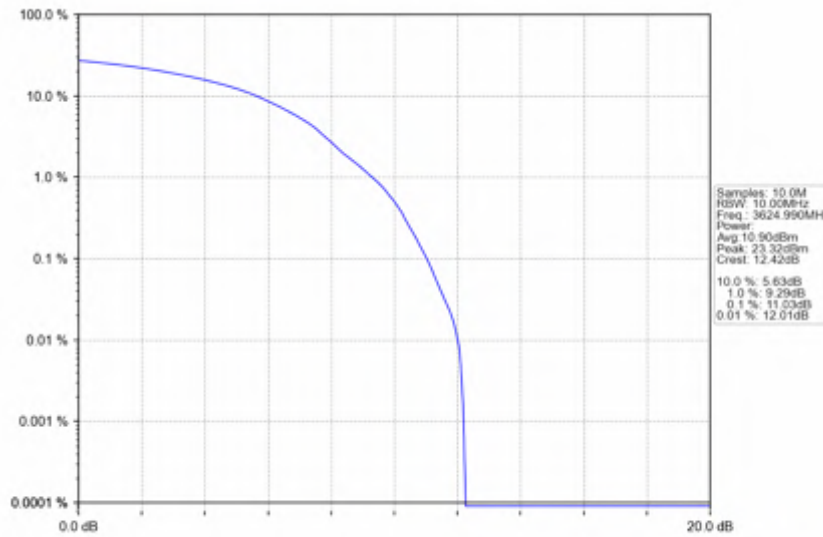
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 16 QAM_3669.99MHz_Outer_Full



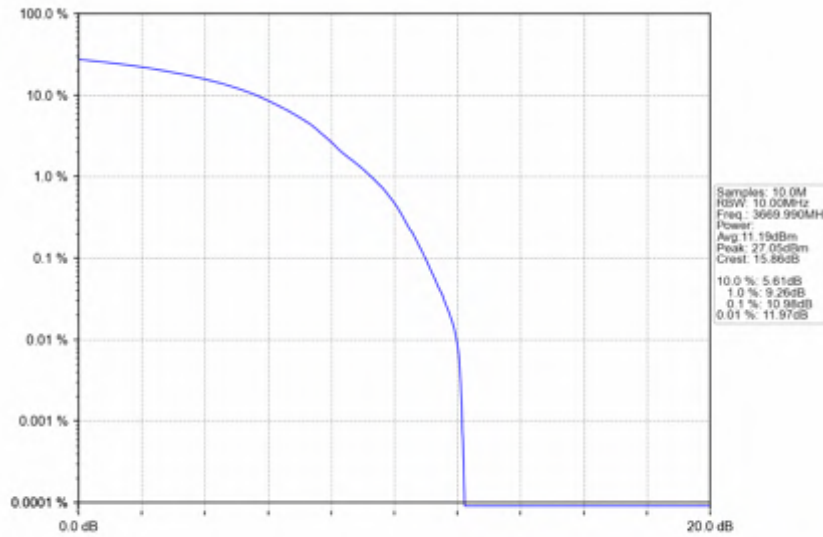
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3580.02MHz_Outer_Full



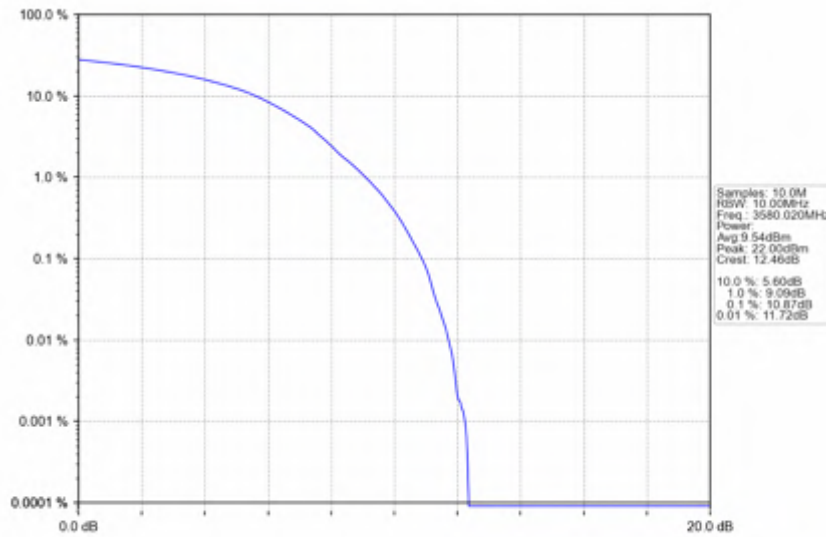
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



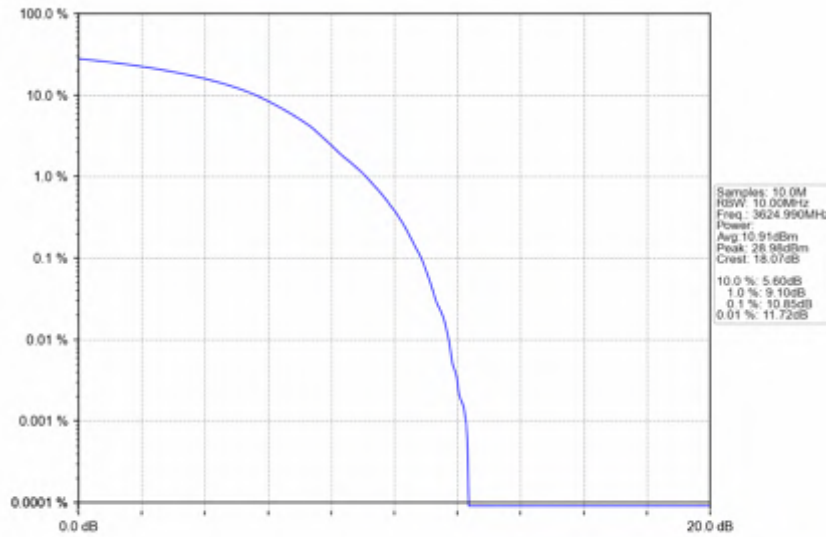
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3669.99MHz_Outer_Full



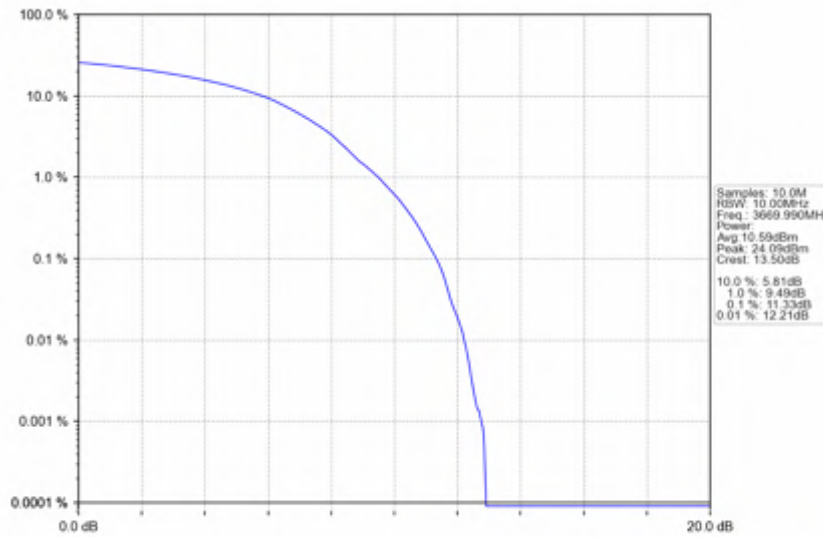
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_3580.02MHz_Outer_Full



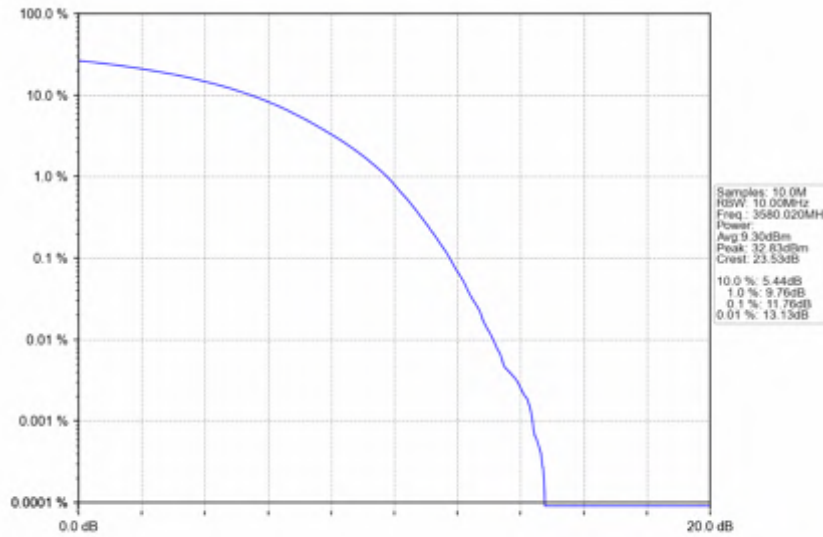
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



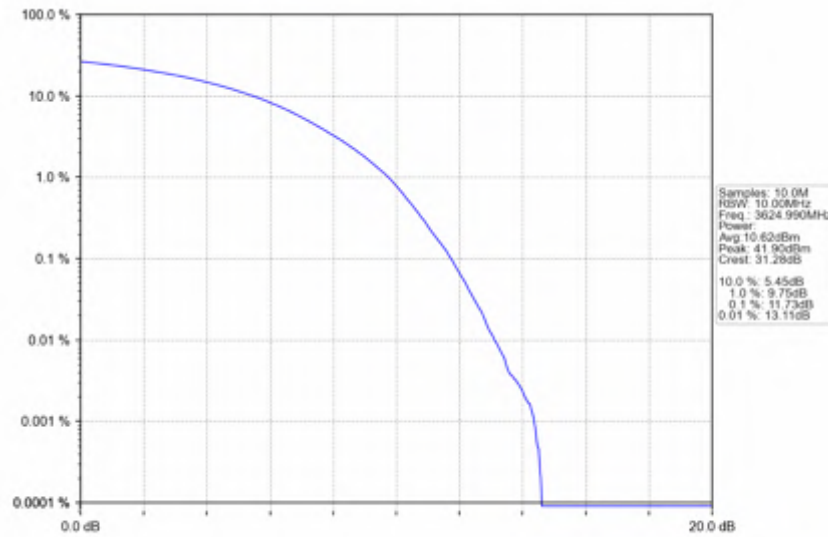
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 256 QAM_3669.99MHz_Outer_Full



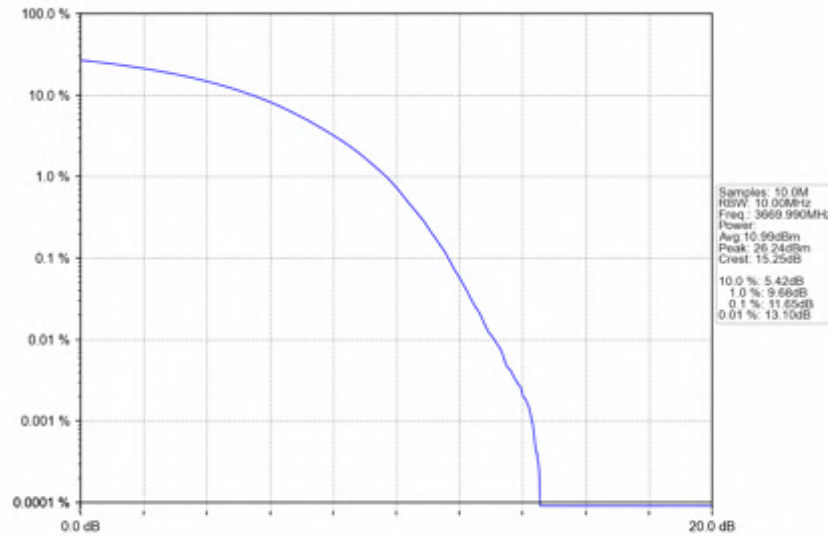
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3580.02MHz_Outer_Full



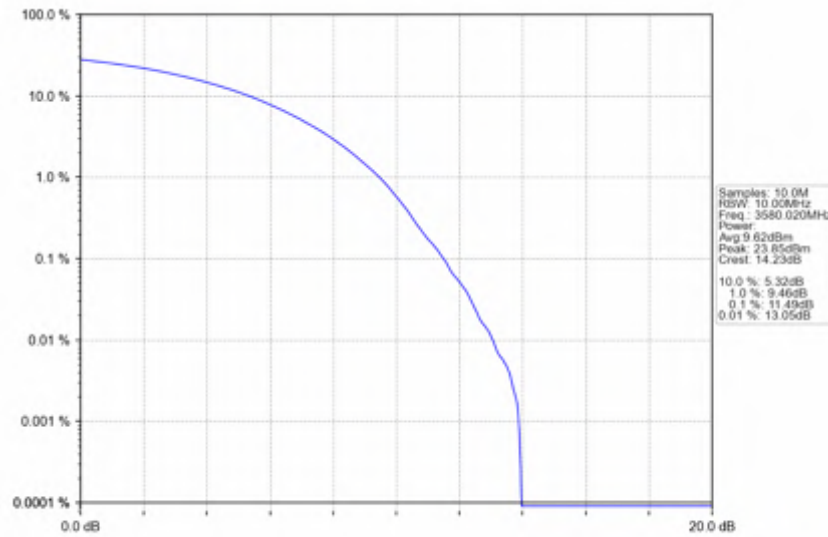
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



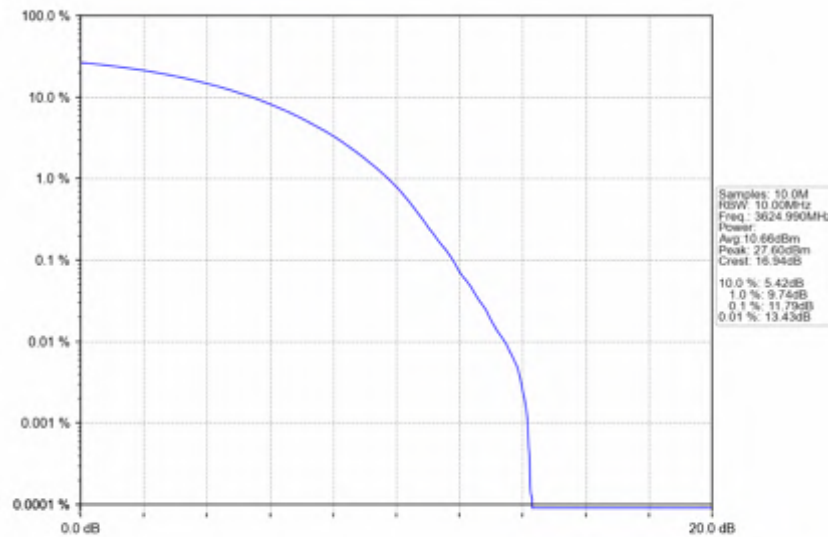
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3669.99MHz_Outer_Full



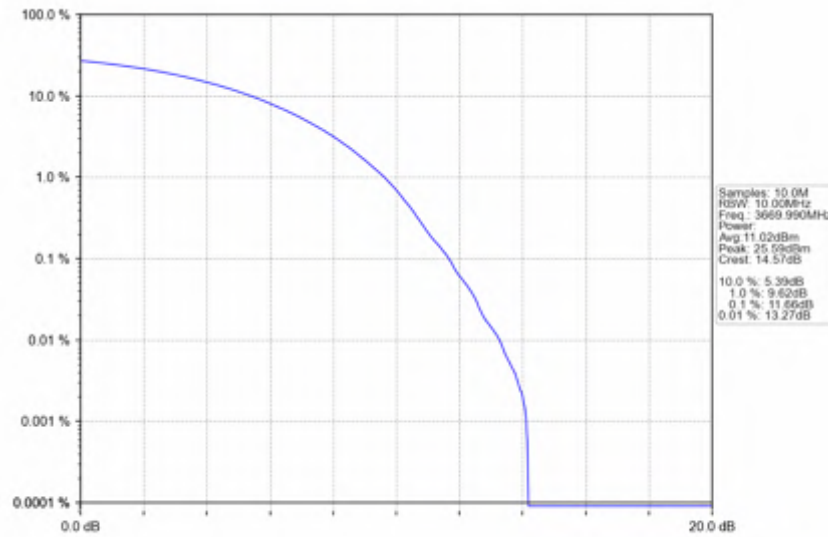
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3580.02MHz_Outer_Full



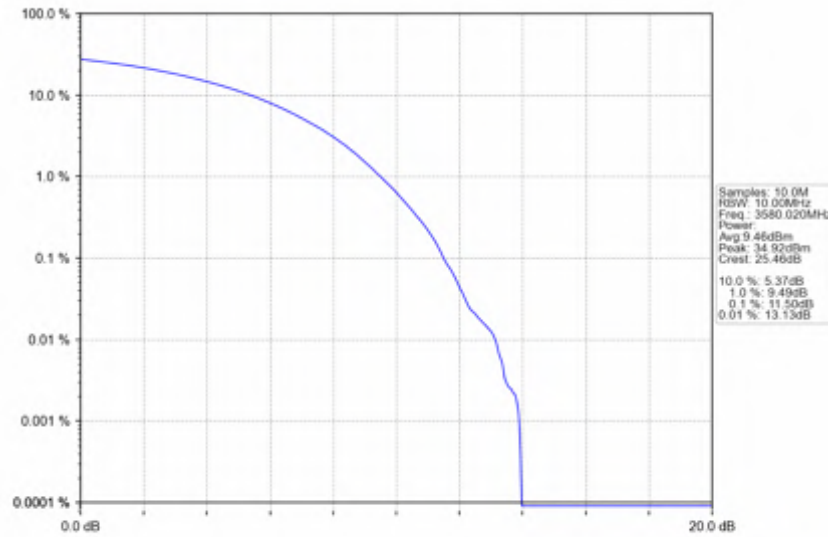
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



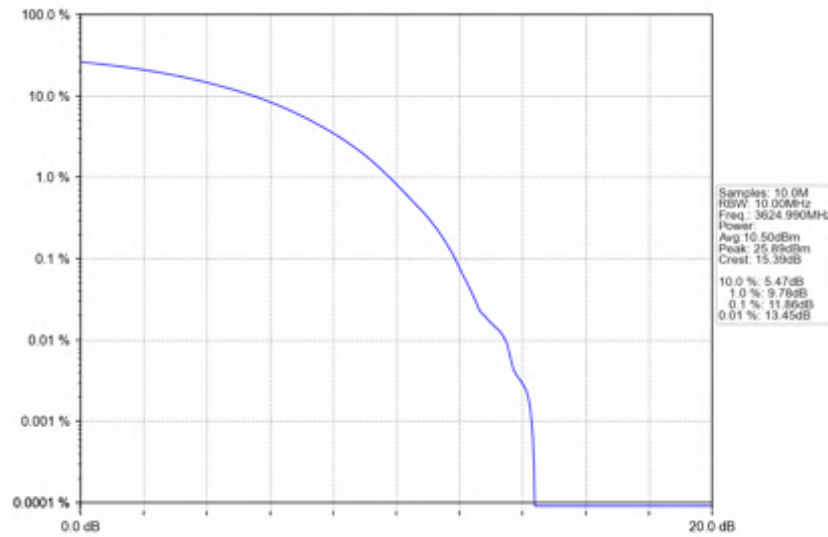
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3669.99MHz_Outer_Full



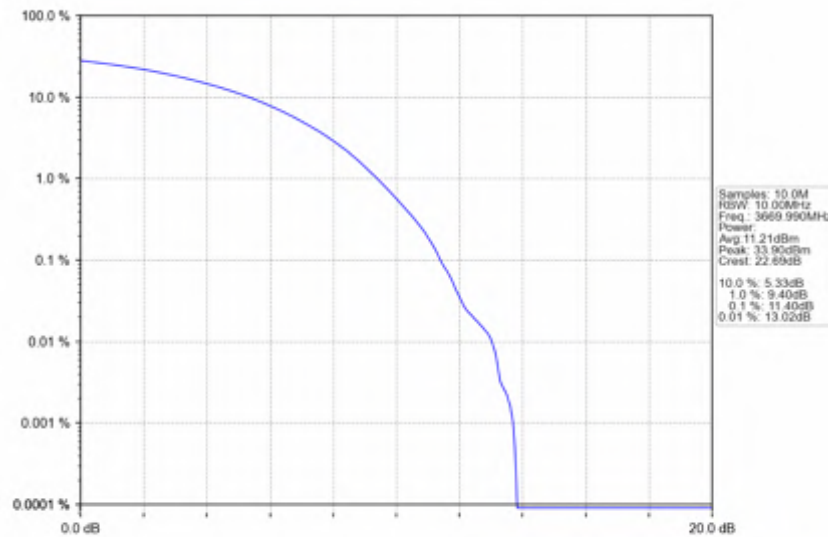
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3580.02MHz_Outer_Full



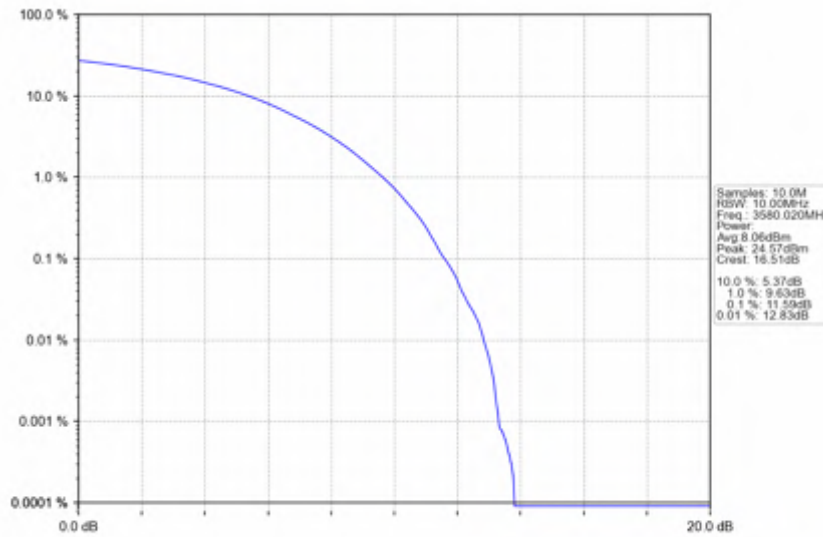
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



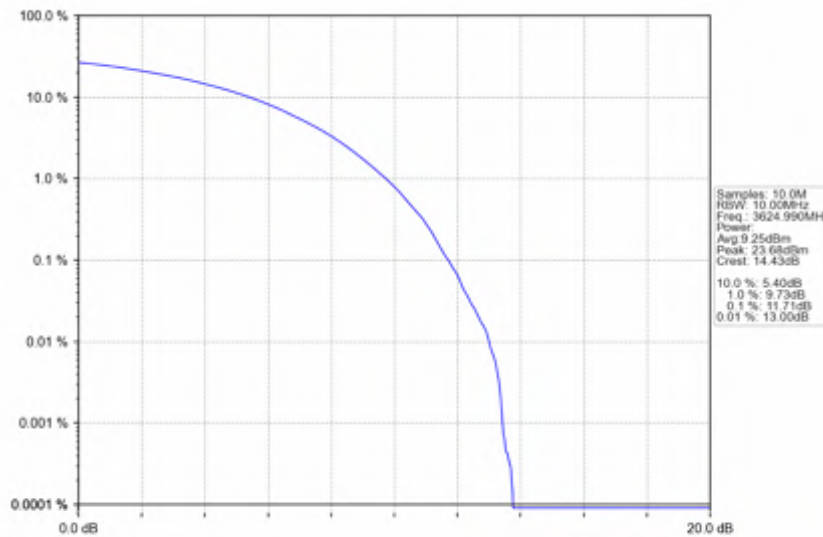
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3669.99MHz_Outer_Full



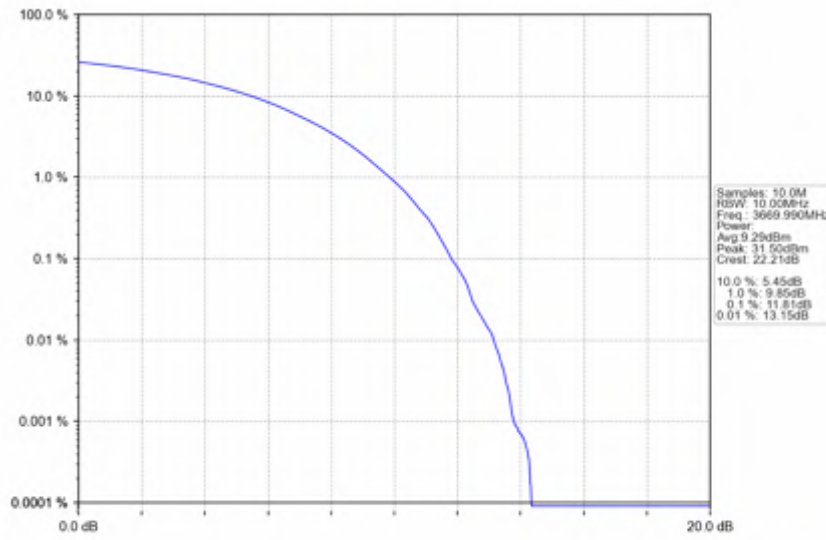
n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3580.02MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3669.99MHz_Outer_Full





5.6 30k_SISO_70MHz_NTNV

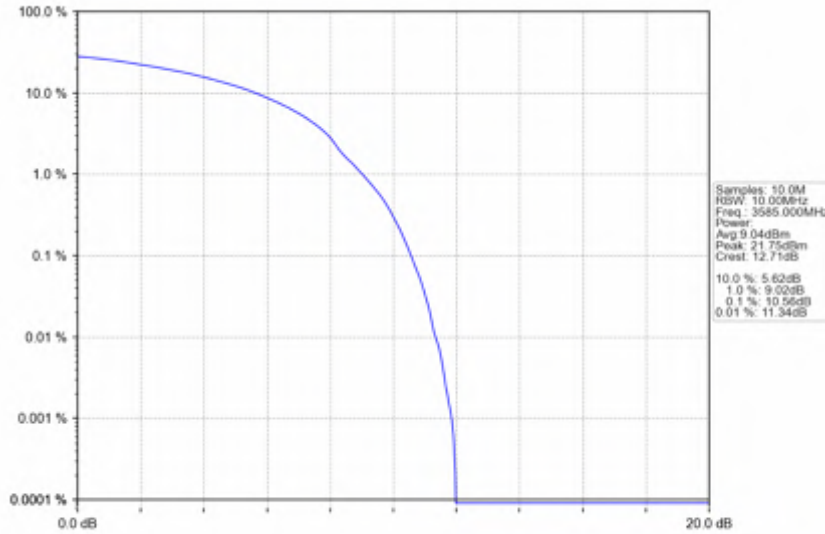
5.6.1 Test Result

5G NR n78(3550-3700MHz) SCS=30kHz SISO 70MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3585	Outer_Full	10.56	/	/	<=13	Pass
	3624.99	Outer_Full	10.95	/	/	<=13	Pass
	3664.98	Outer_Full	10.67	/	/	<=13	Pass
DFT-s-OFDM QPSK	3585	Outer_Full	11.19	/	/	<=13	Pass
	3624.99	Outer_Full	11.25	/	/	<=13	Pass
	3664.98	Outer_Full	10.99	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3585	Outer_Full	11.32	/	/	<=13	Pass
	3624.99	Outer_Full	11.29	/	/	<=13	Pass
	3664.98	Outer_Full	11.43	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3585	Outer_Full	11.01	/	/	<=13	Pass
	3624.99	Outer_Full	11.04	/	/	<=13	Pass
	3664.98	Outer_Full	11.16	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3585	Outer_Full	12.87	/	/	<=13	Pass
	3624.99	Outer_Full	11.10	/	/	<=13	Pass
	3664.98	Outer_Full	11.08	/	/	<=13	Pass
CP-OFDM QPSK	3585	Outer_Full	11.92	/	/	<=13	Pass
	3624.99	Outer_Full	11.86	/	/	<=13	Pass
	3664.98	Outer_Full	11.76	/	/	<=13	Pass
CP-OFDM 16 QAM	3585	Outer_Full	11.82	/	/	<=13	Pass
	3624.99	Outer_Full	11.68	/	/	<=13	Pass
	3664.98	Outer_Full	11.77	/	/	<=13	Pass
CP-OFDM 64 QAM	3585	Outer_Full	11.57	/	/	<=13	Pass
	3624.99	Outer_Full	11.65	/	/	<=13	Pass
	3664.98	Outer_Full	11.68	/	/	<=13	Pass
CP-OFDM 256 QAM	3585	Outer_Full	11.94	/	/	<=13	Pass
	3624.99	Outer_Full	11.77	/	/	<=13	Pass
	3664.98	Outer_Full	11.98	/	/	<=13	Pass

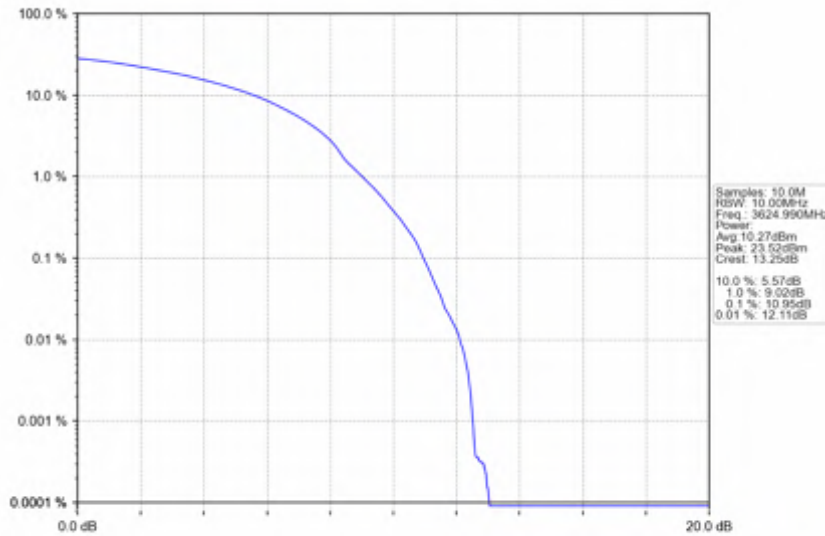


5.6.2 Test Graph

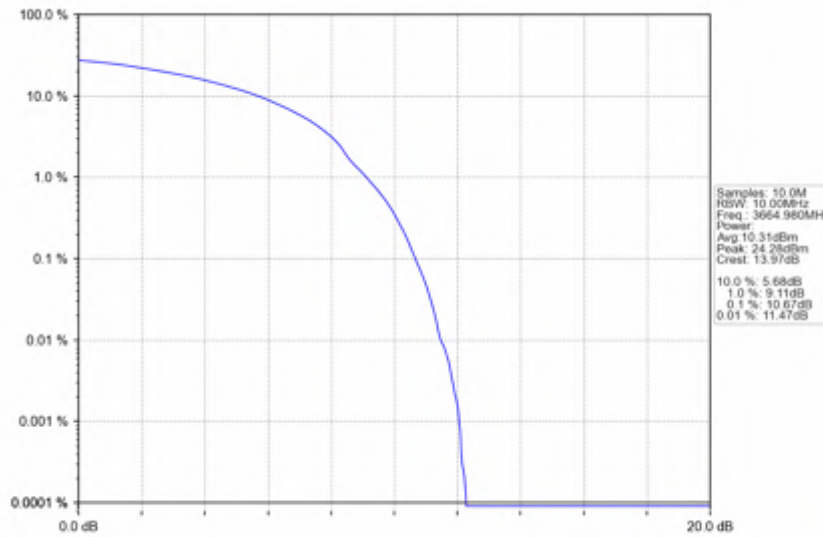
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3585MHz_Outer_Full



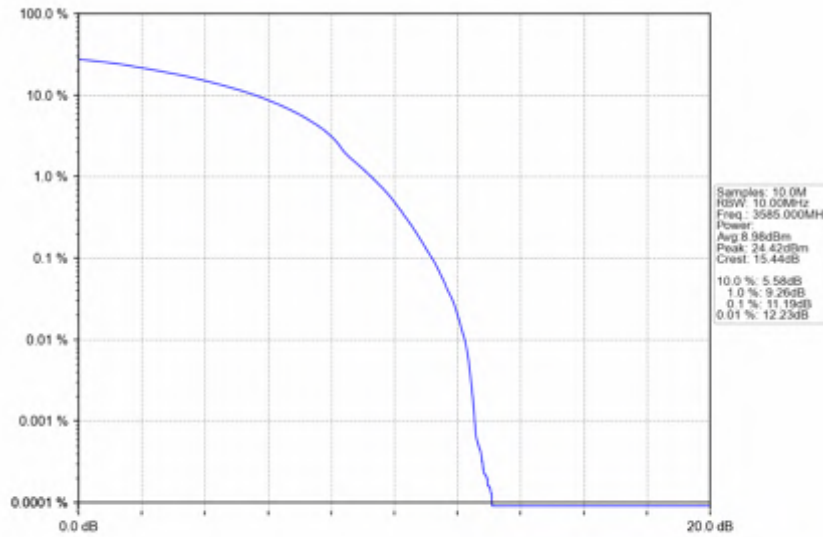
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



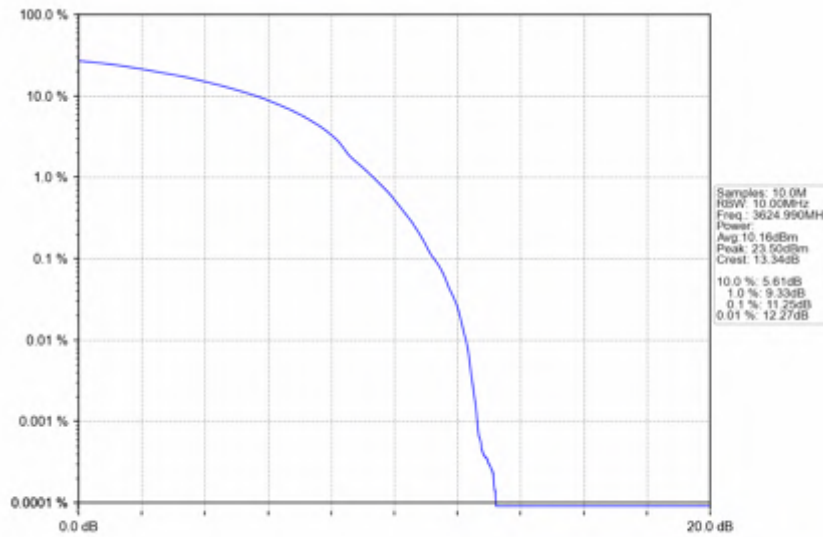
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3664.98MHz_Outer_Full



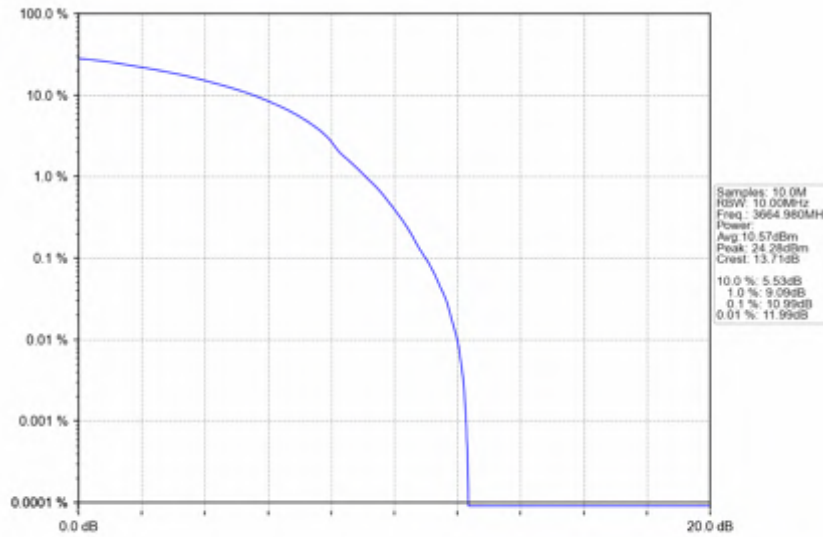
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3585MHz_Outer_Full



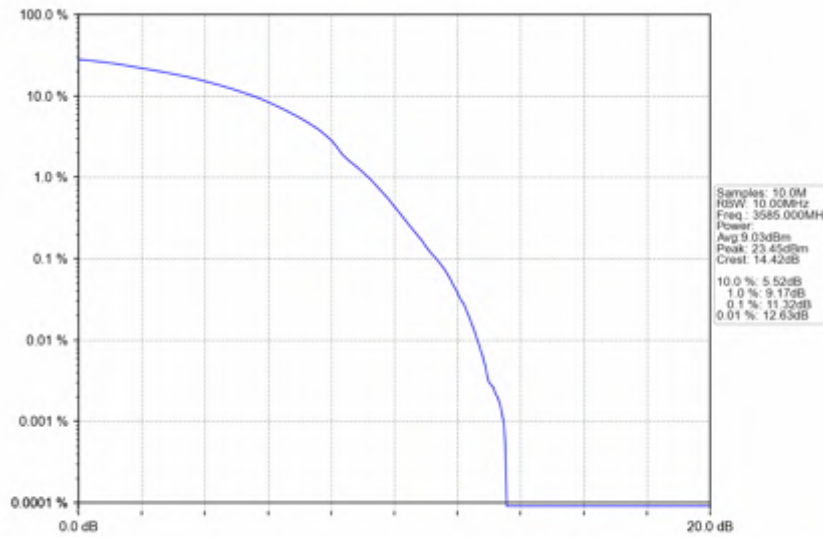
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



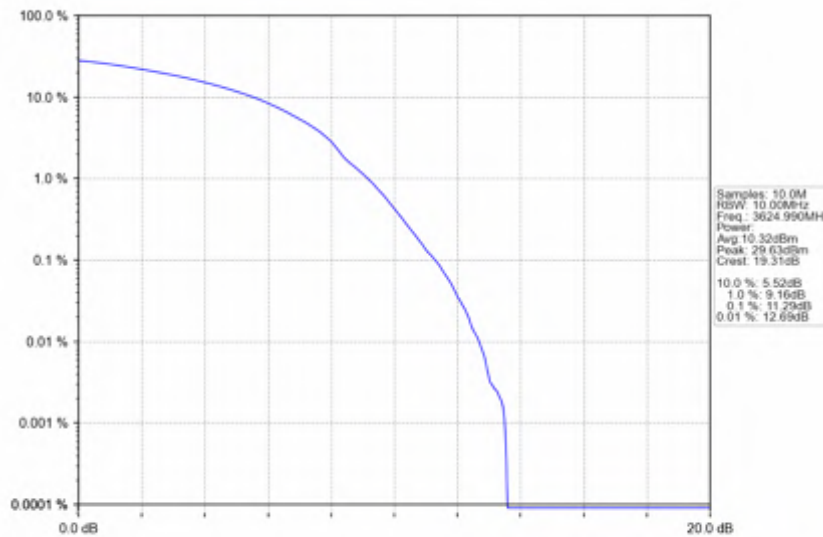
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3664.98MHz_Outer_Full



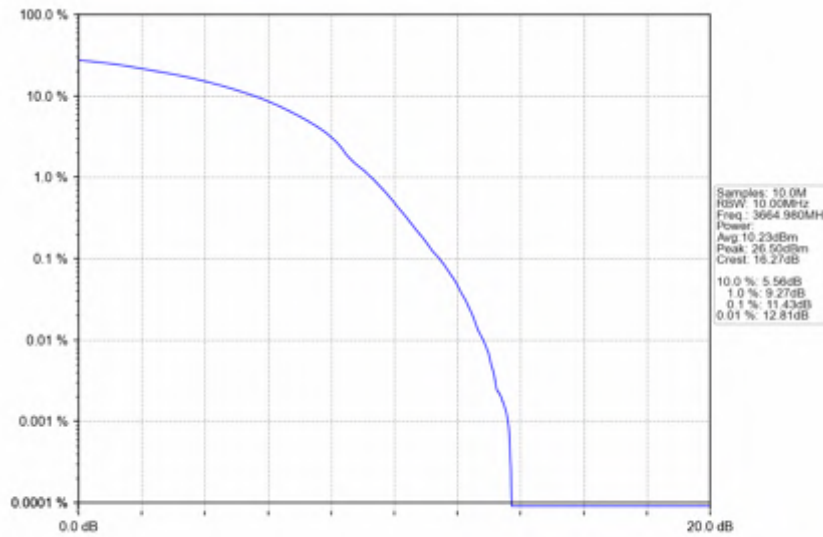
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 16 QAM_3585MHz_Outer_Full



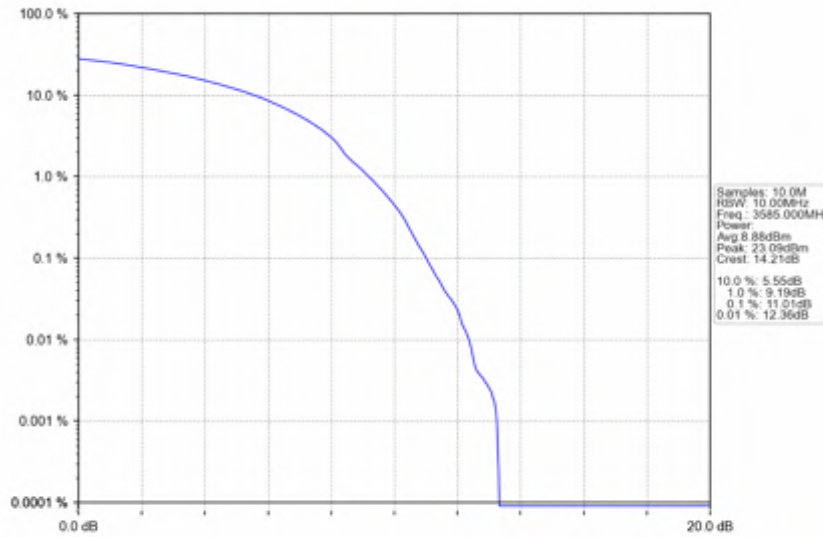
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



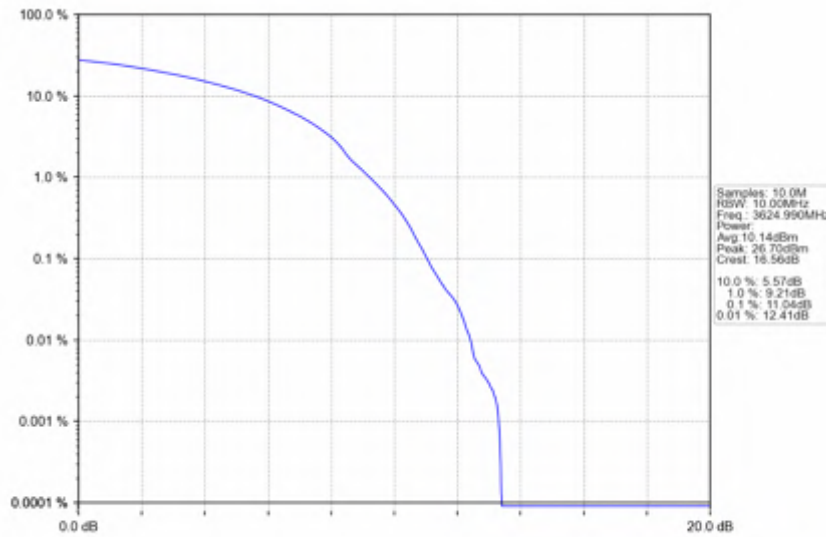
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 16 QAM_3664.98MHz_Outer_Full



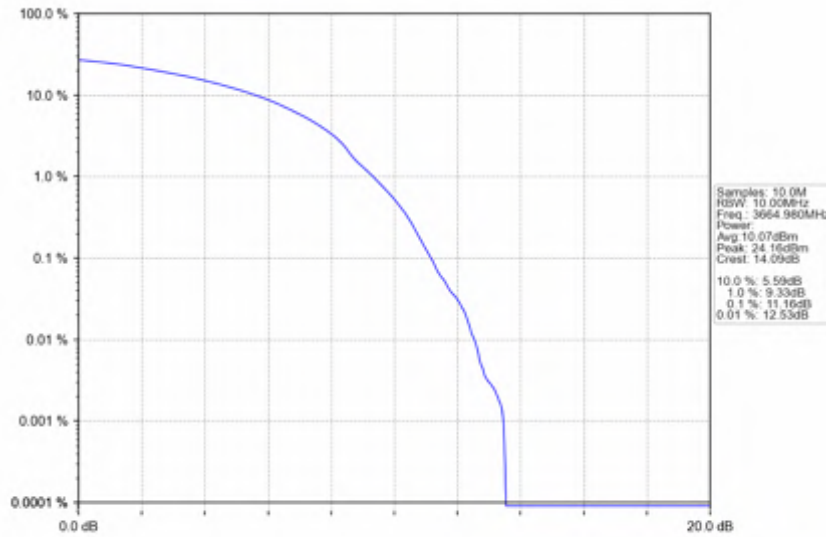
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 64 QAM_3585MHz_Outer_Full



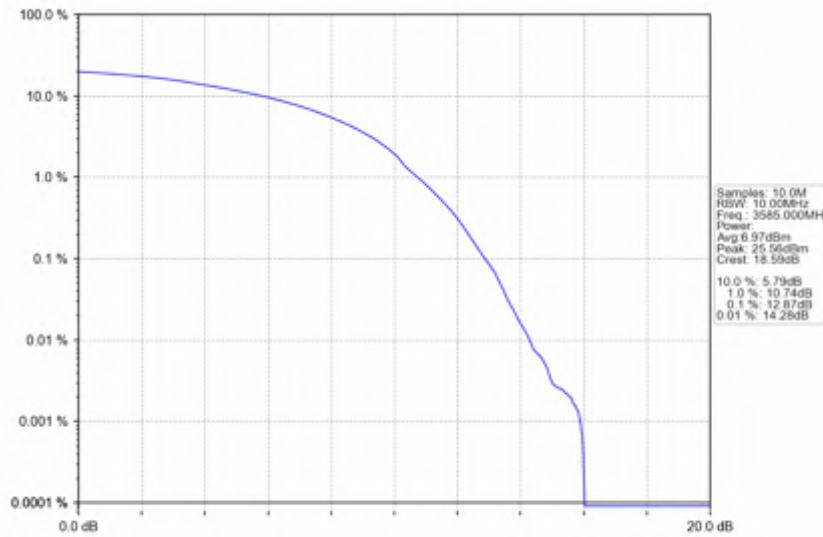
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



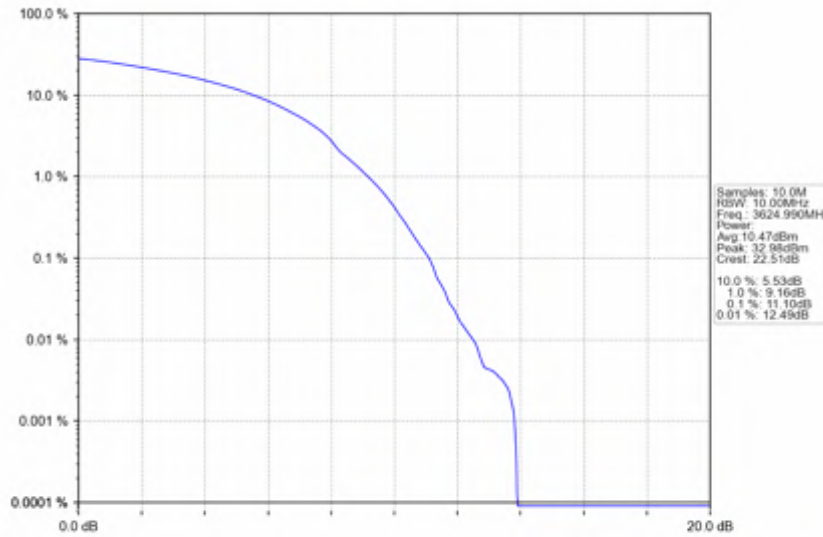
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 64 QAM_3664.98MHz_Outer_Full



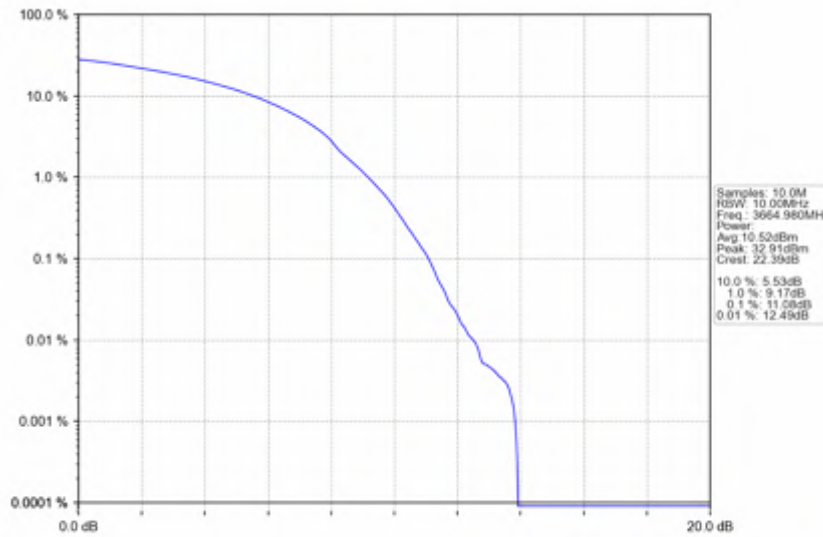
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_256_QAM_3585MHz_Outer_Full



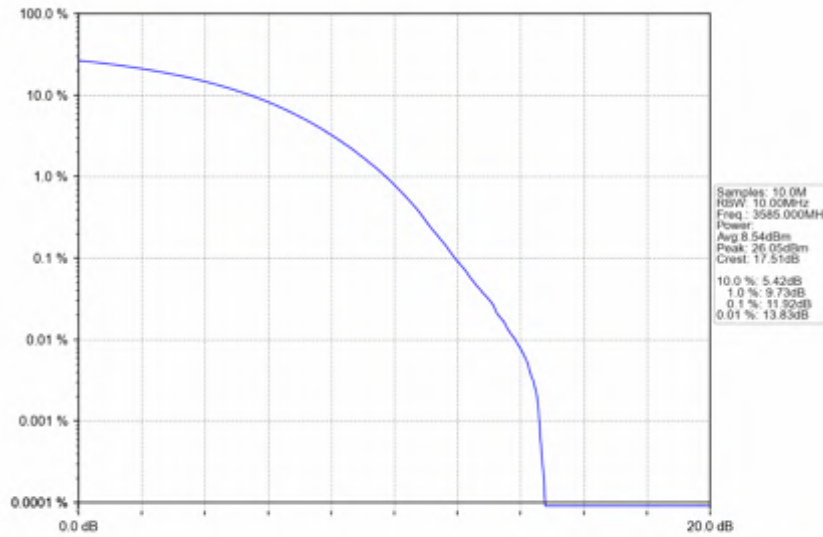
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



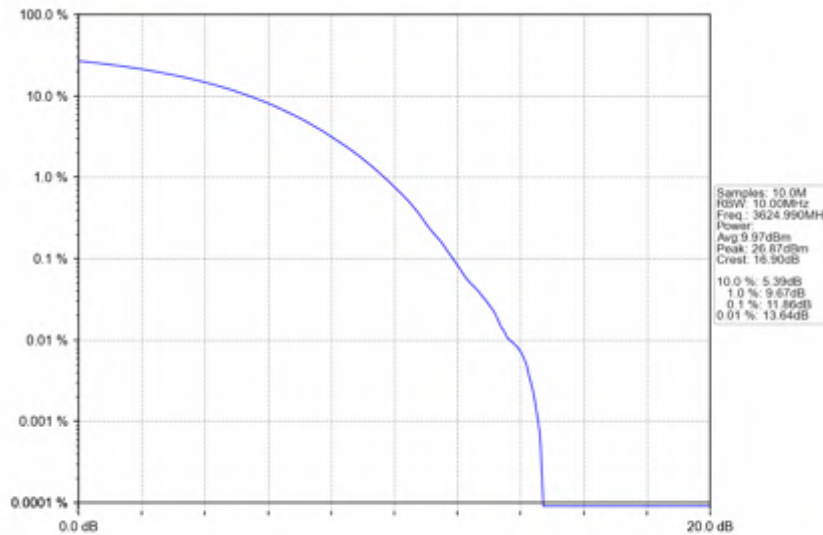
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 256 QAM_3664.98MHz_Outer_Full



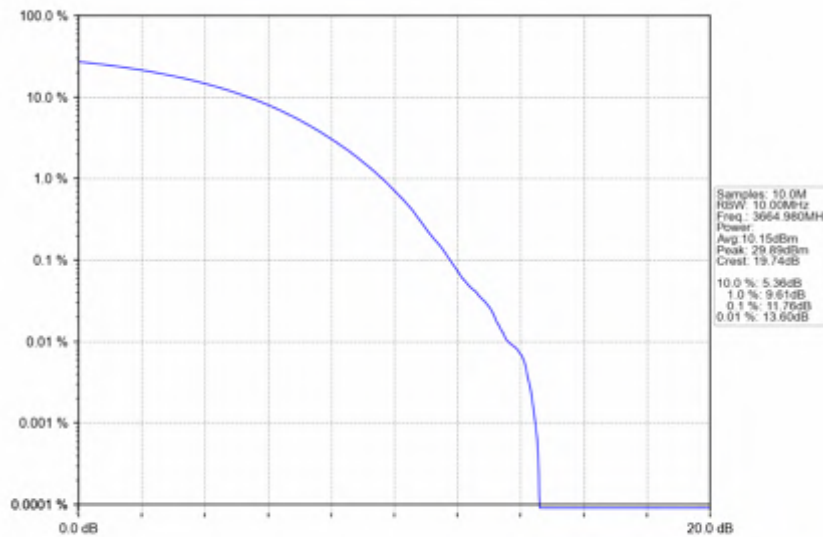
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM QPSK_3585MHz_Outer_Full



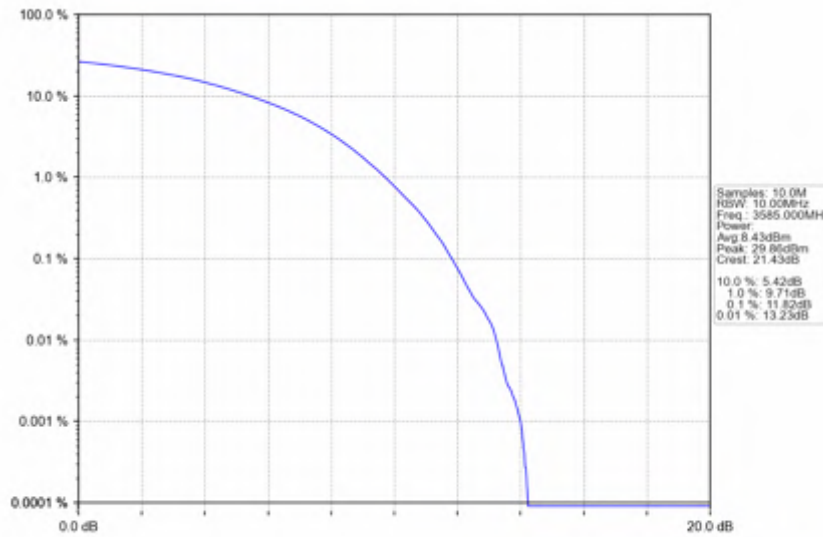
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



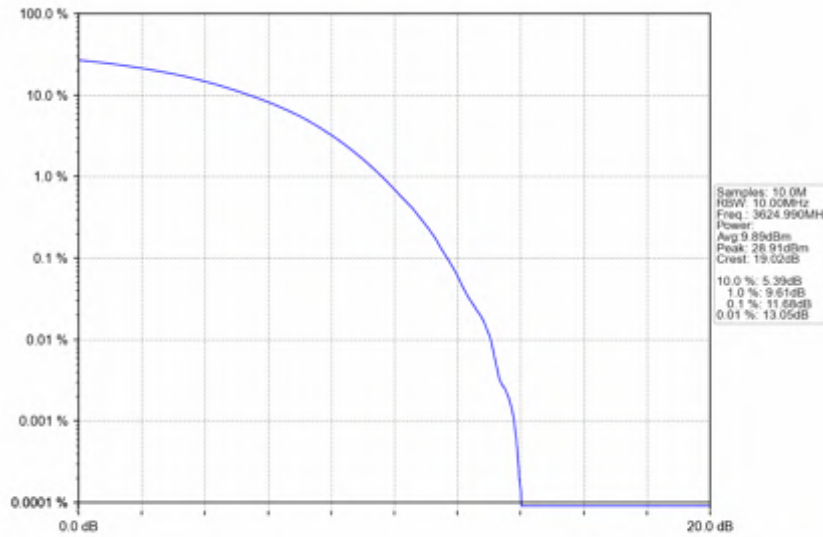
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM QPSK_3664.98MHz_Outer_Full



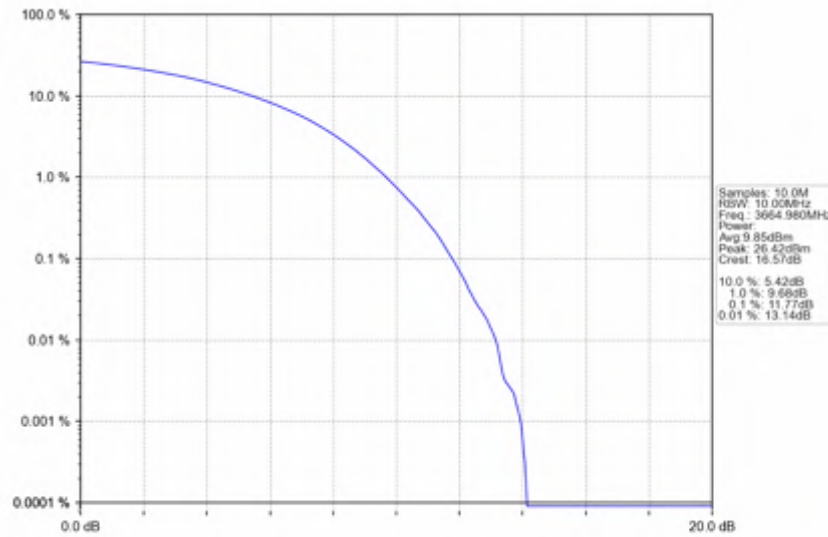
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3585MHz_Outer_Full



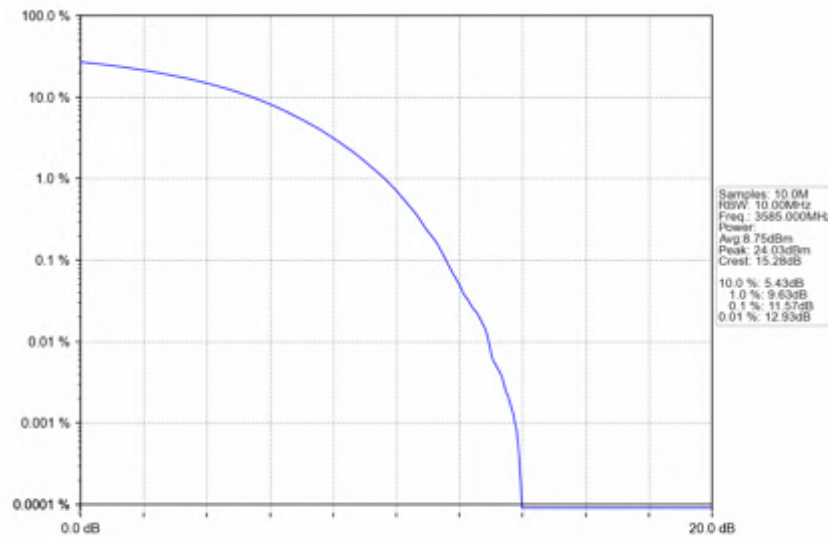
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



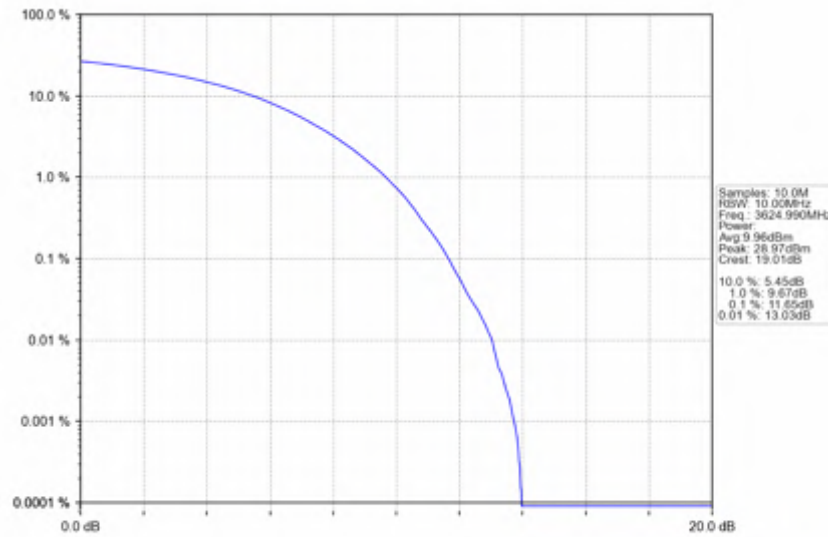
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3664.98MHz_Outer_Full



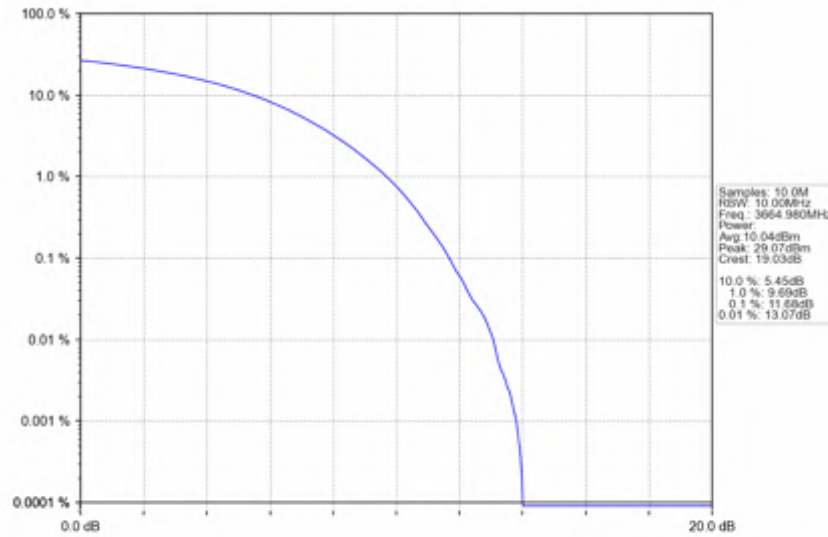
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3585MHz_Outer_Full



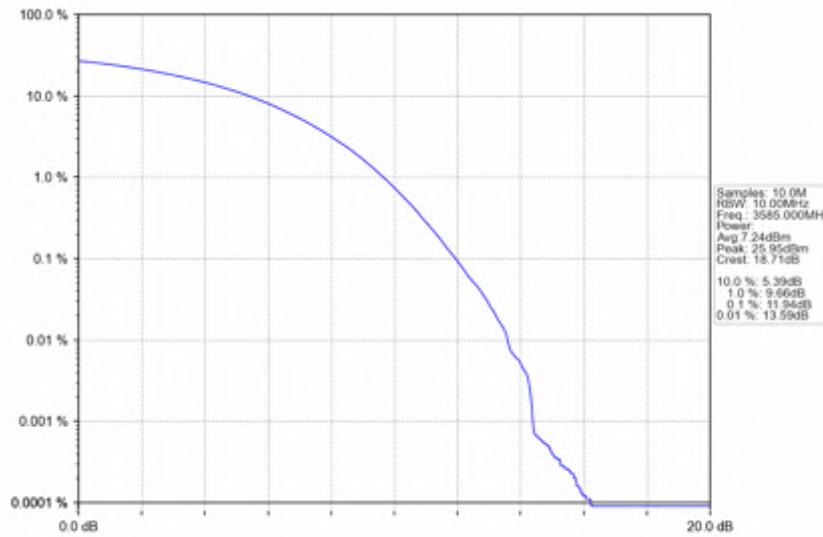
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



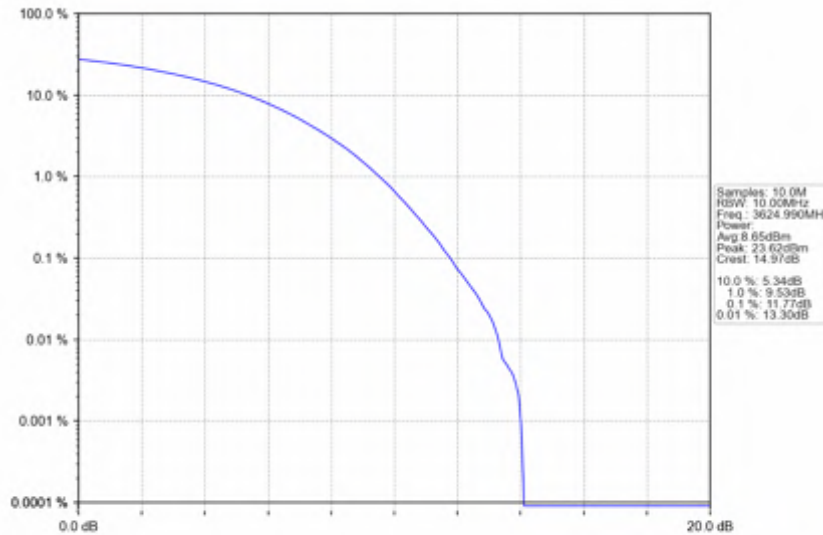
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3664.98MHz_Outer_Full



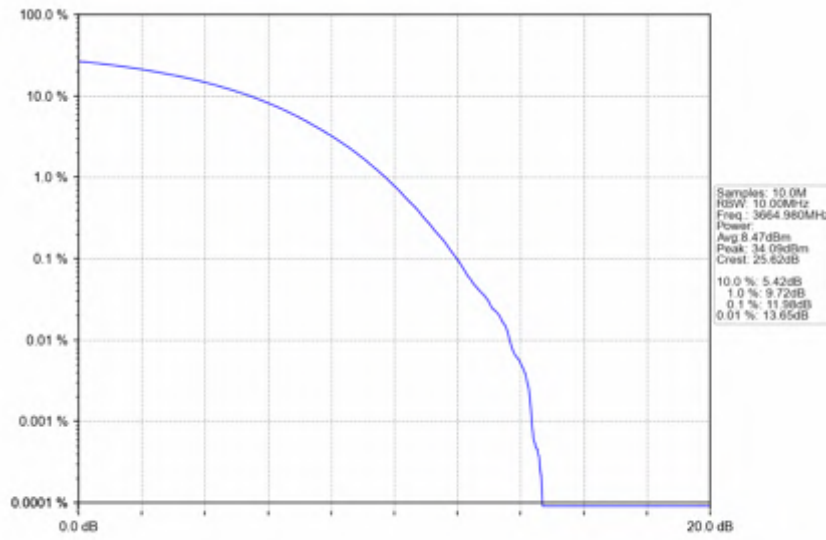
n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_256_QAM_3585MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_70MHz_CP-OFDM 256 QAM_3664.98MHz_Outer_Full





5.7 30k_SISO_80MHz_NTNV

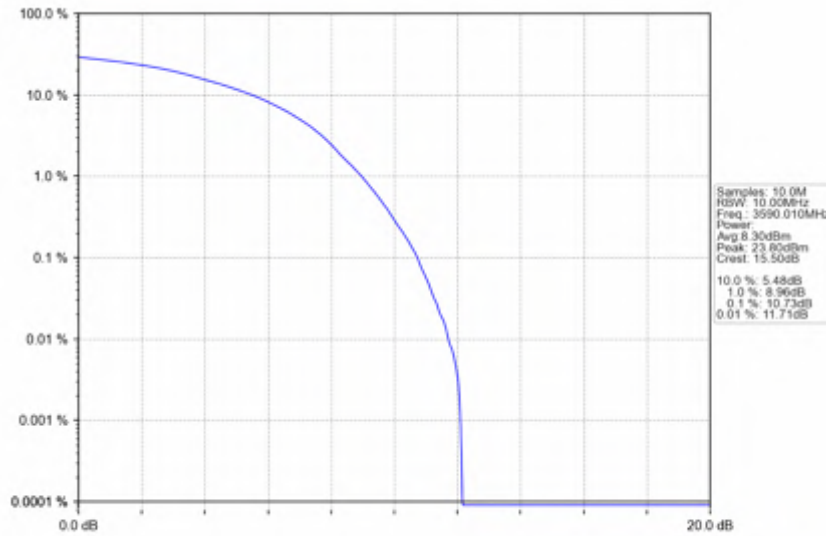
5.7.1 Test Result

5G NR n78(3550-3700MHz) SCS=30kHz SISO 80MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3590.01	Outer_Full	10.73	/	/	<=13	Pass
	3624.99	Outer_Full	10.58	/	/	<=13	Pass
	3660	Outer_Full	11.07	/	/	<=13	Pass
DFT-s-OFDM QPSK	3590.01	Outer_Full	11.24	/	/	<=13	Pass
	3624.99	Outer_Full	11.26	/	/	<=13	Pass
	3660	Outer_Full	11.19	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3590.01	Outer_Full	11.50	/	/	<=13	Pass
	3624.99	Outer_Full	11.49	/	/	<=13	Pass
	3660	Outer_Full	11.51	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3590.01	Outer_Full	11.43	/	/	<=13	Pass
	3624.99	Outer_Full	11.47	/	/	<=13	Pass
	3660	Outer_Full	11.40	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3590.01	Outer_Full	11.35	/	/	<=13	Pass
	3624.99	Outer_Full	11.25	/	/	<=13	Pass
	3660	Outer_Full	11.20	/	/	<=13	Pass
CP-OFDM QPSK	3590.01	Outer_Full	12.12	/	/	<=13	Pass
	3624.99	Outer_Full	11.73	/	/	<=13	Pass
	3660	Outer_Full	11.75	/	/	<=13	Pass
CP-OFDM 16 QAM	3590.01	Outer_Full	11.52	/	/	<=13	Pass
	3624.99	Outer_Full	11.69	/	/	<=13	Pass
	3660	Outer_Full	11.79	/	/	<=13	Pass
CP-OFDM 64 QAM	3590.01	Outer_Full	11.67	/	/	<=13	Pass
	3624.99	Outer_Full	11.90	/	/	<=13	Pass
	3660	Outer_Full	11.72	/	/	<=13	Pass
CP-OFDM 256 QAM	3590.01	Outer_Full	11.78	/	/	<=13	Pass
	3624.99	Outer_Full	11.79	/	/	<=13	Pass
	3660	Outer_Full	11.69	/	/	<=13	Pass

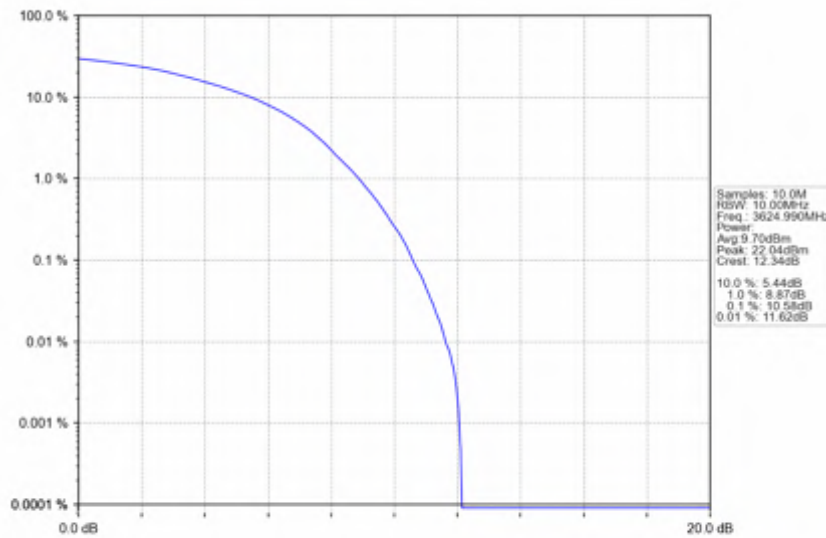


5.7.2 Test Graph

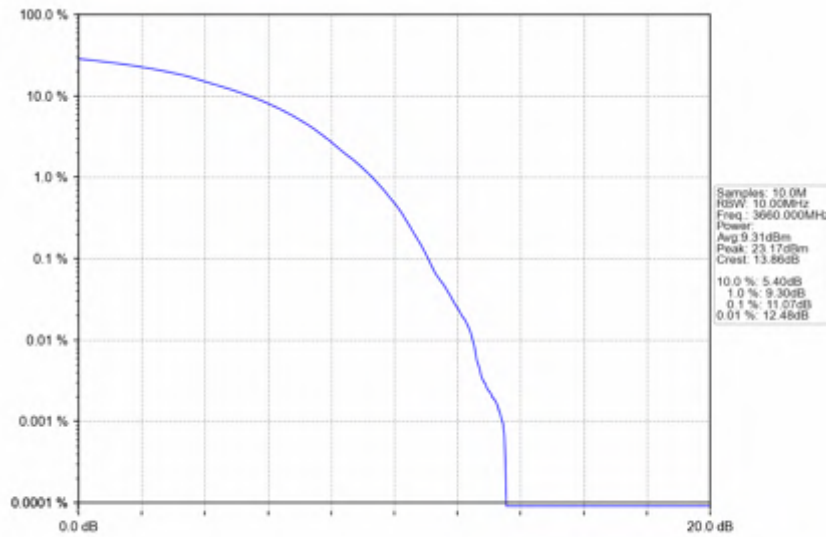
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3590.01MHz_Outer_Full



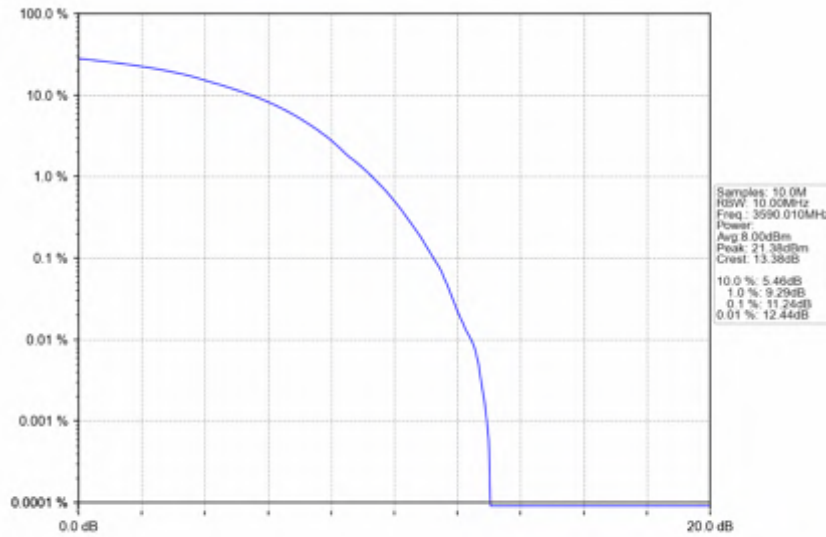
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



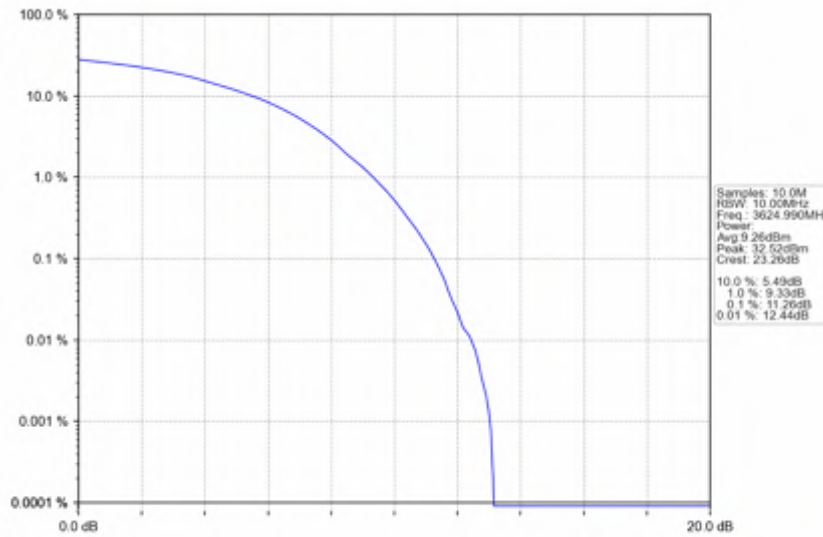
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3660MHz_Outer_Full



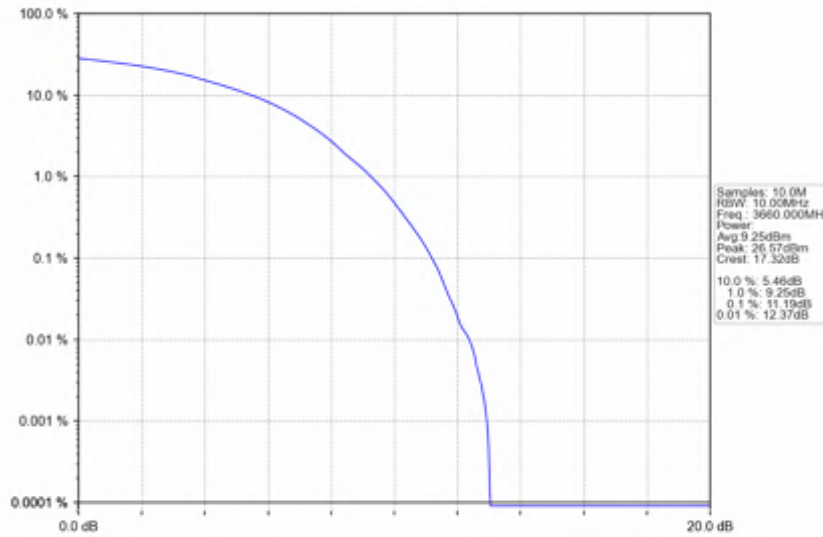
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3590.01MHz_Outer_Full



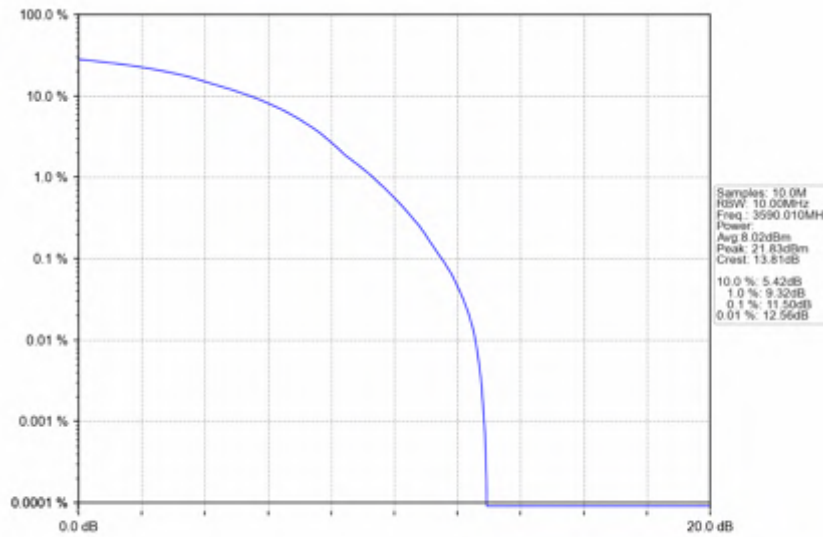
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



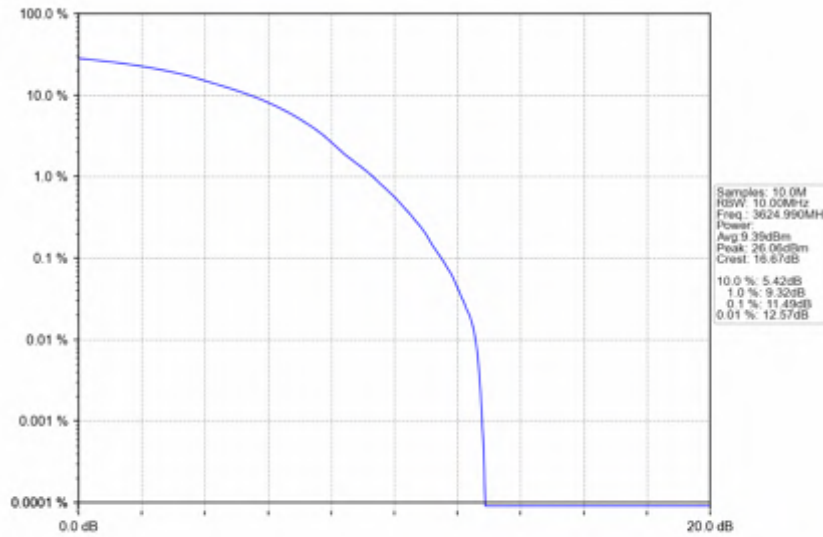
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3660MHz_Outer_Full



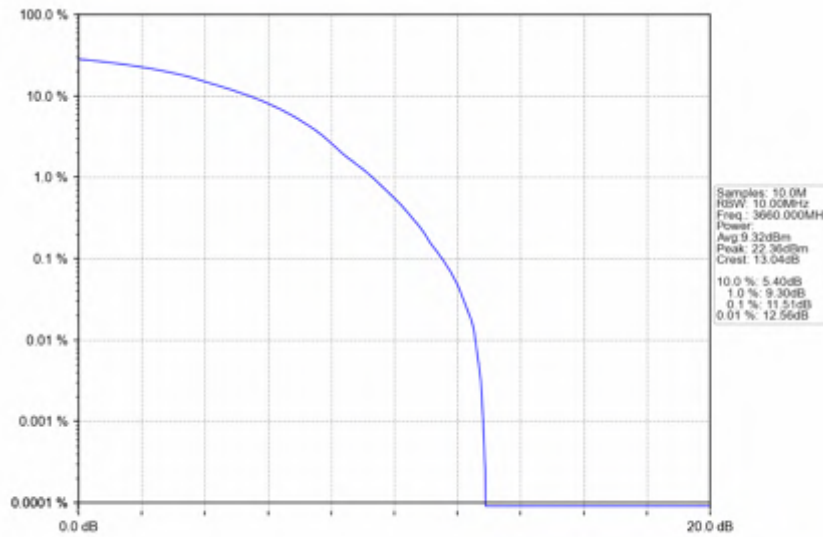
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_16_QAM_3590.01MHz_Outer_Full



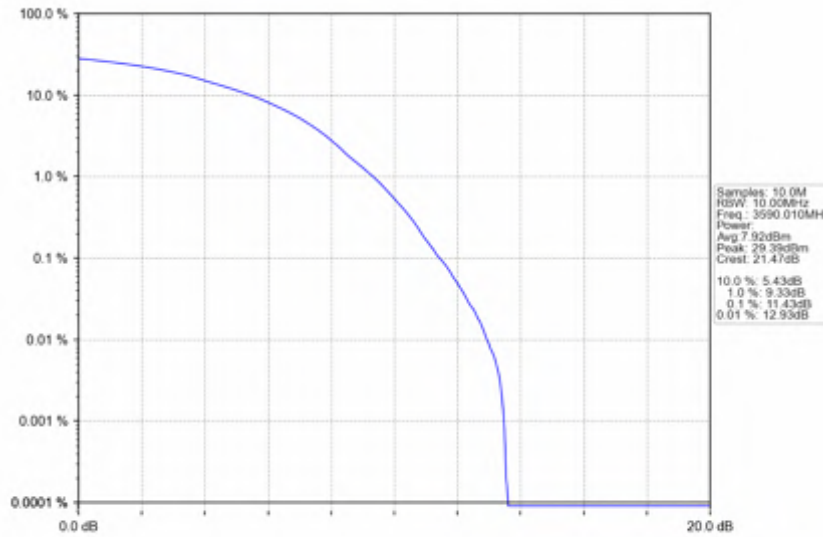
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_16_QAM_3624.99MHz_Outer_Full



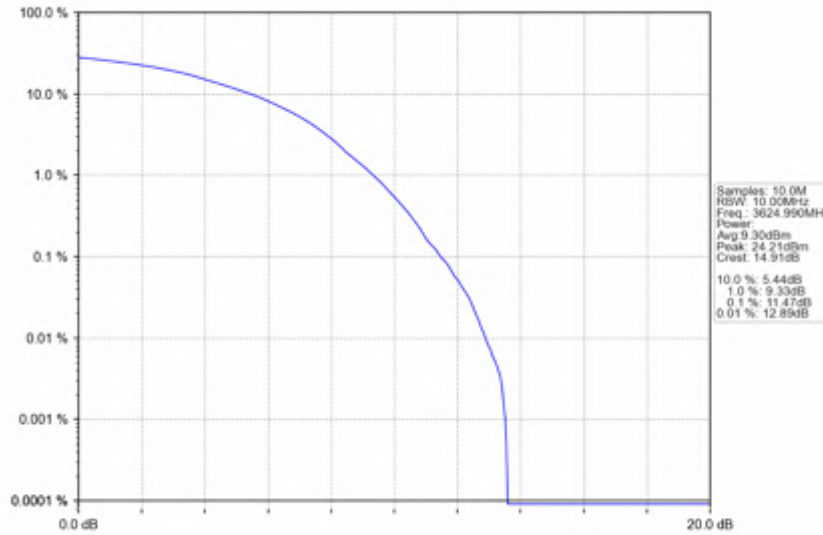
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 16 QAM_3660MHz_Outer_Full



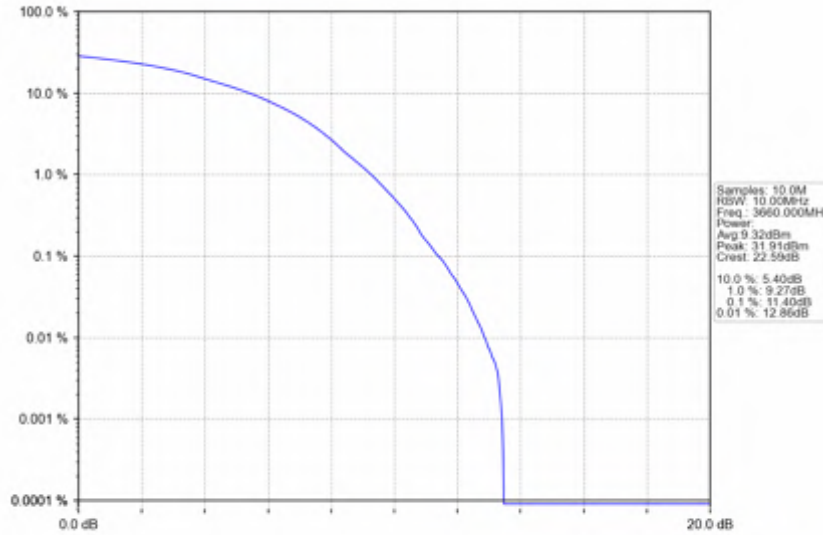
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 64 QAM_3590.01MHz_Outer_Full



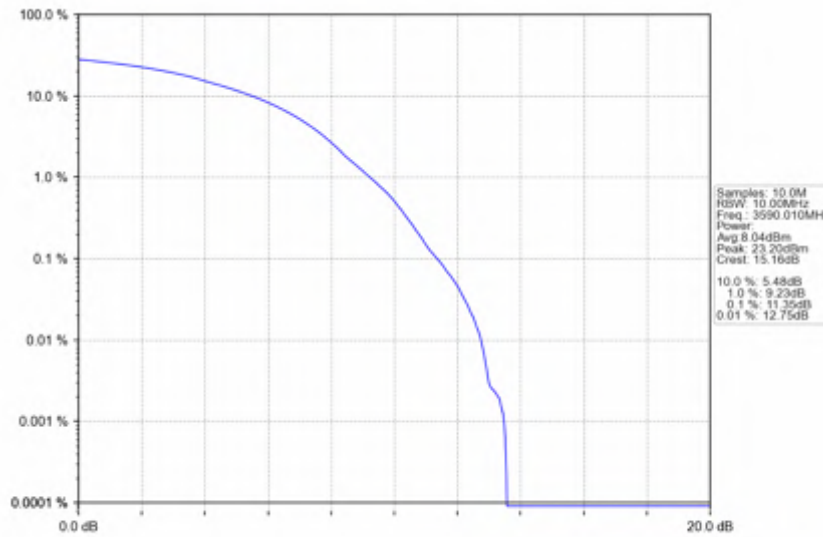
n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 64 QAM_3660MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_3590.01MHz_Outer_Full



n78(3550-3700MHz)_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full

