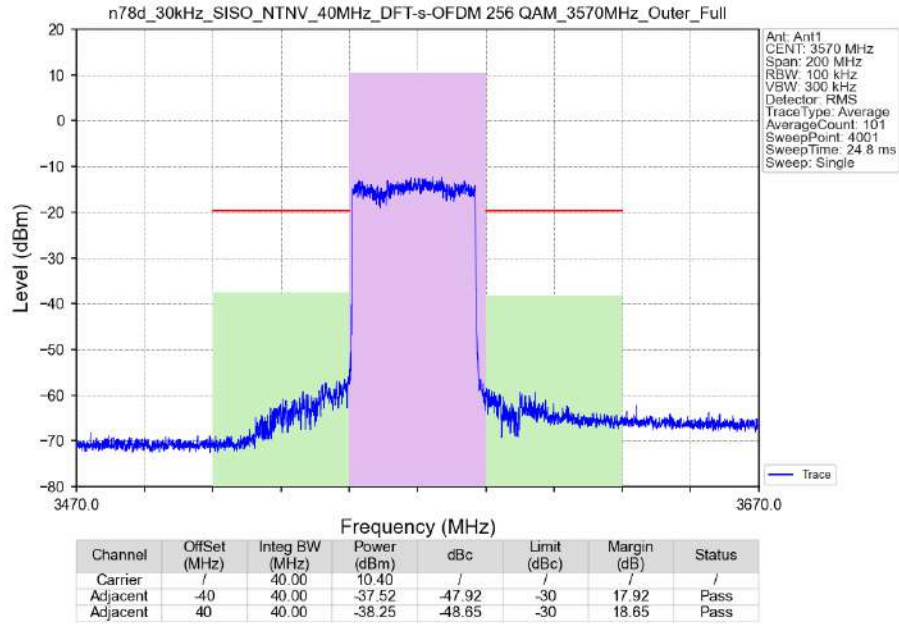
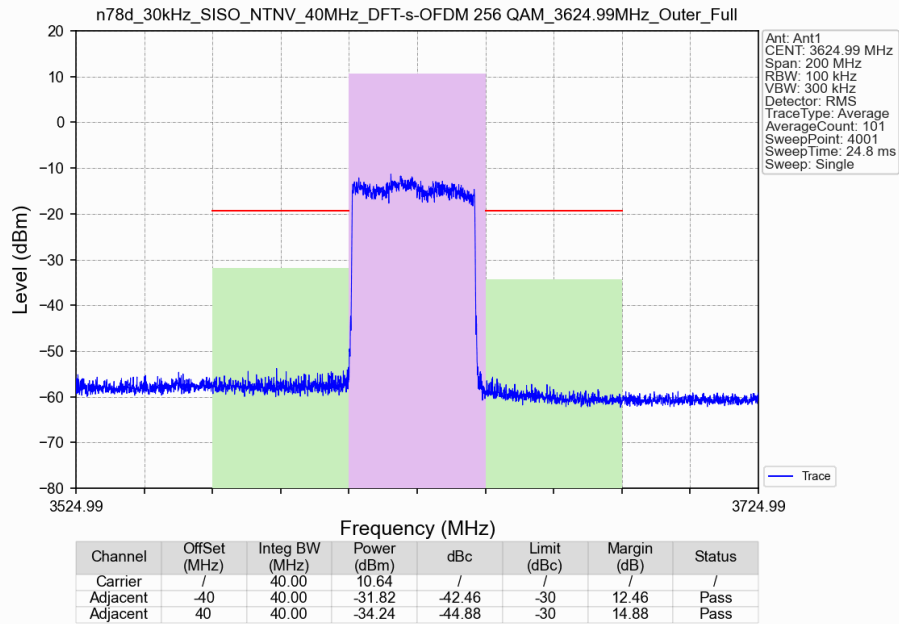


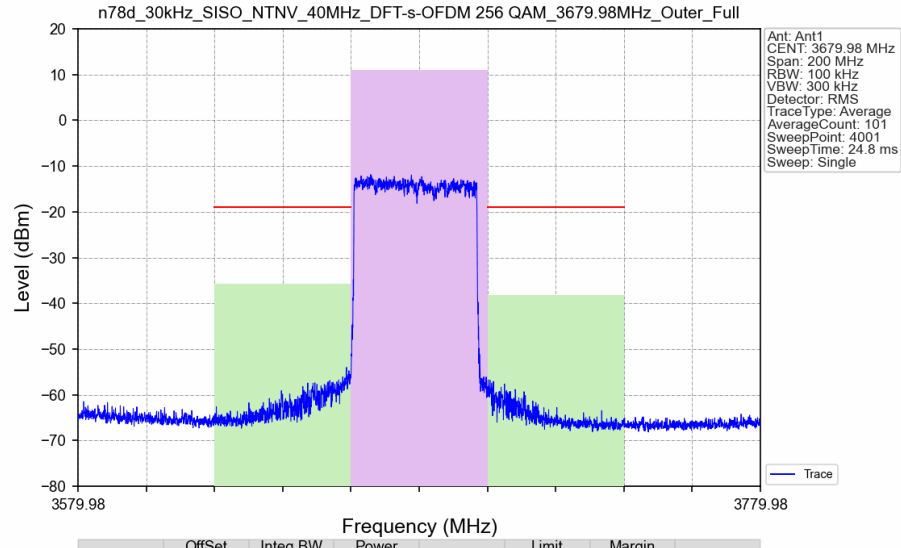
n78d 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 3570MHz Outer Full



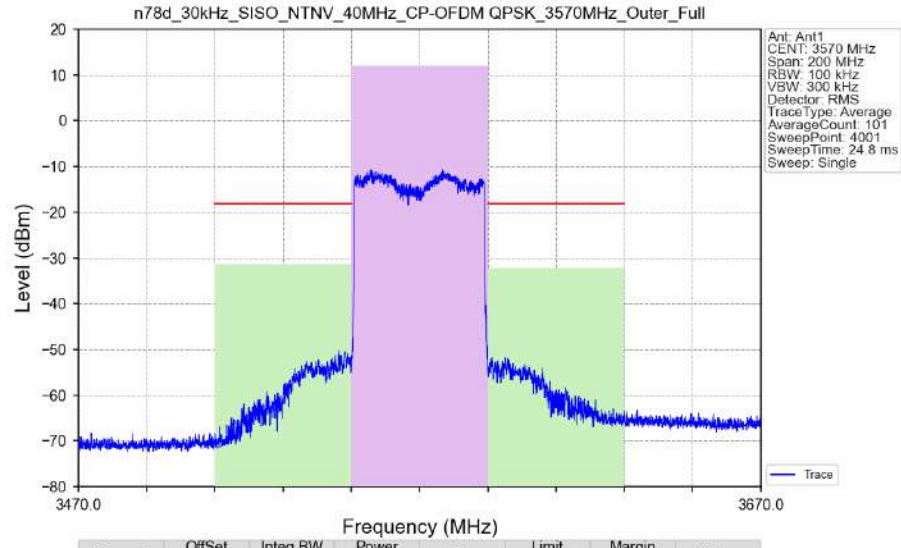
n78d 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 3624.99MHz Outer Full



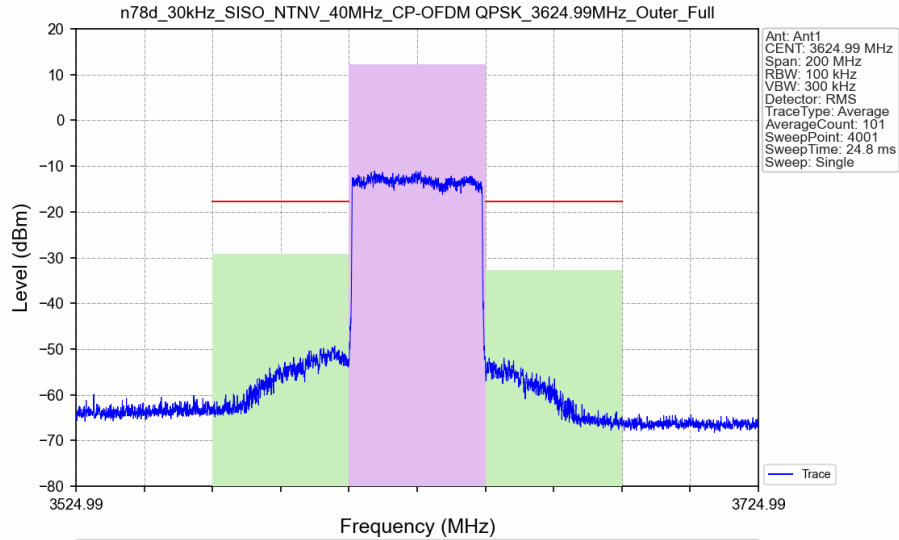
n78d 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 3679.98MHz Outer Full



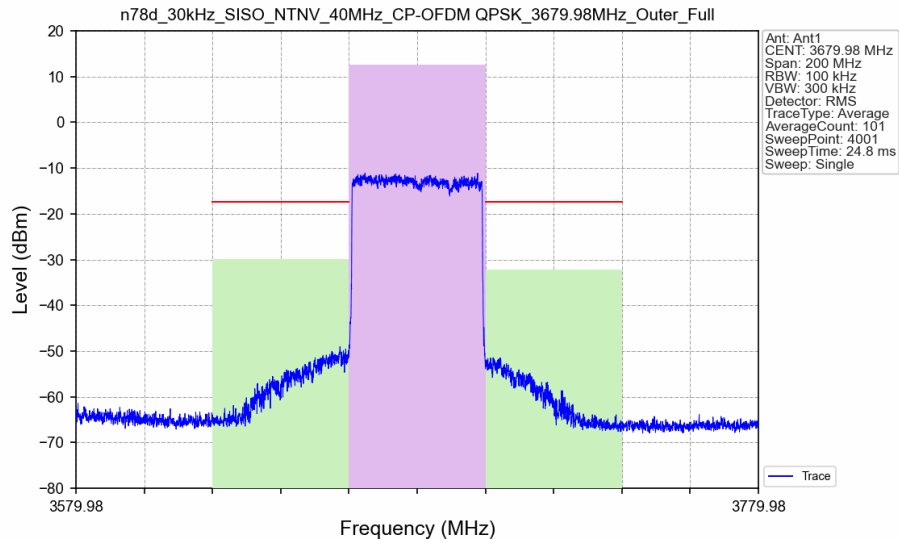
n78d 30kHz SISO NTN 40MHz CP-OFDM QPSK 3570MHz Outer Full



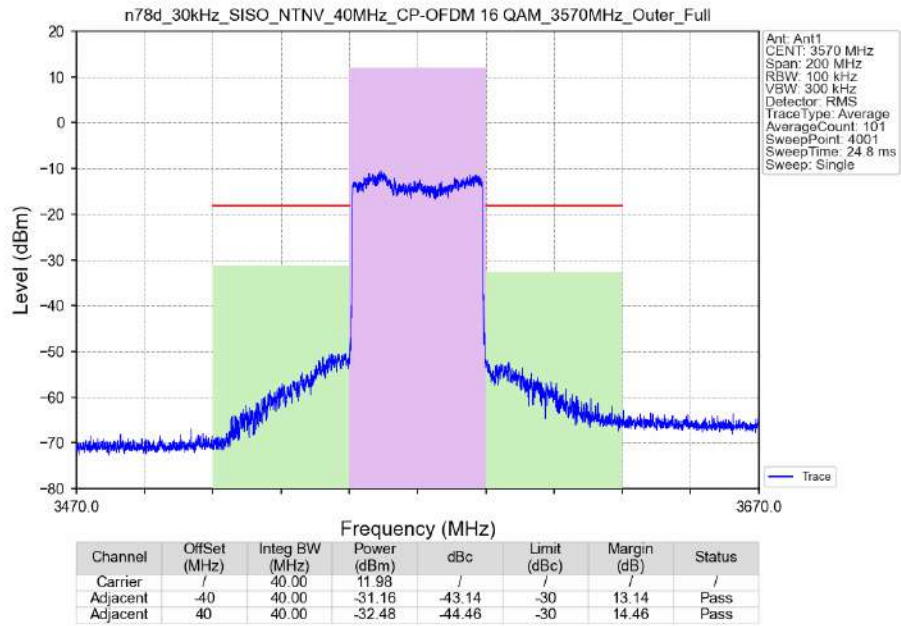
n78d 30kHz SISO NTN 40MHz CP-OFDM QPSK 3624.99MHz Outer Full



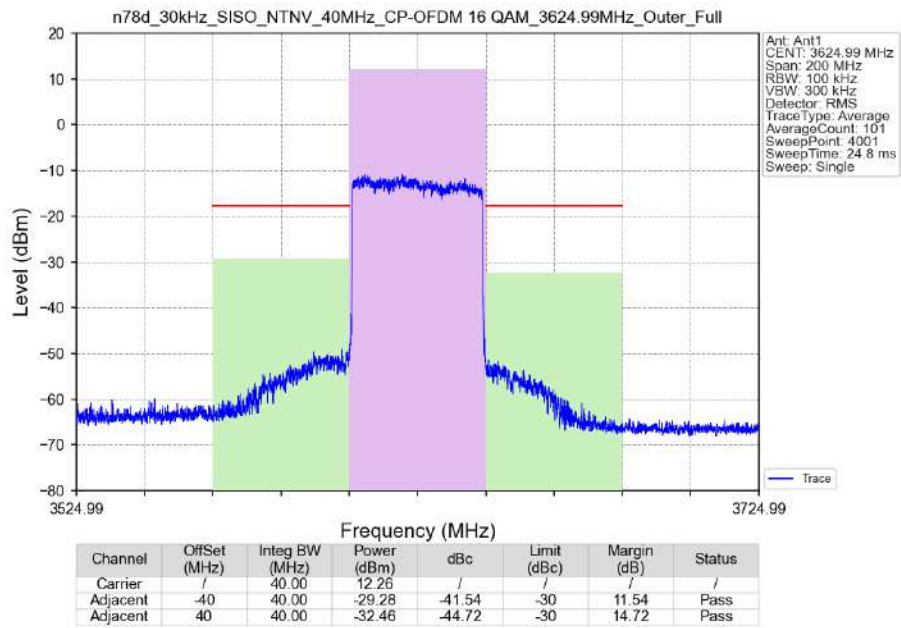
n78d 30kHz SISO NTN 40MHz CP-OFDM QPSK 3679.98MHz Outer Full



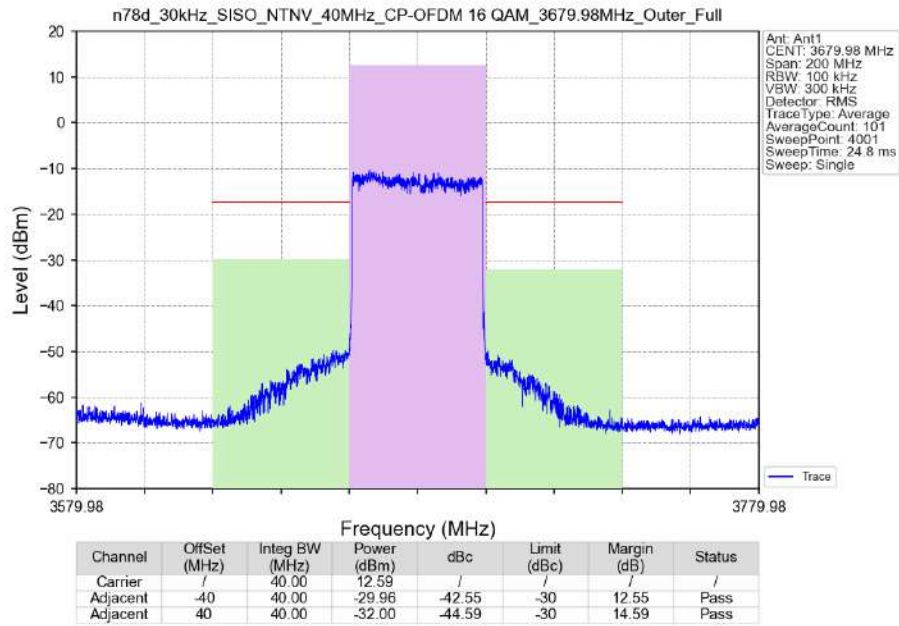
n78d 30kHz SISO NTN 40MHz CP-OFDM 16 QAM 3570MHz Outer Full



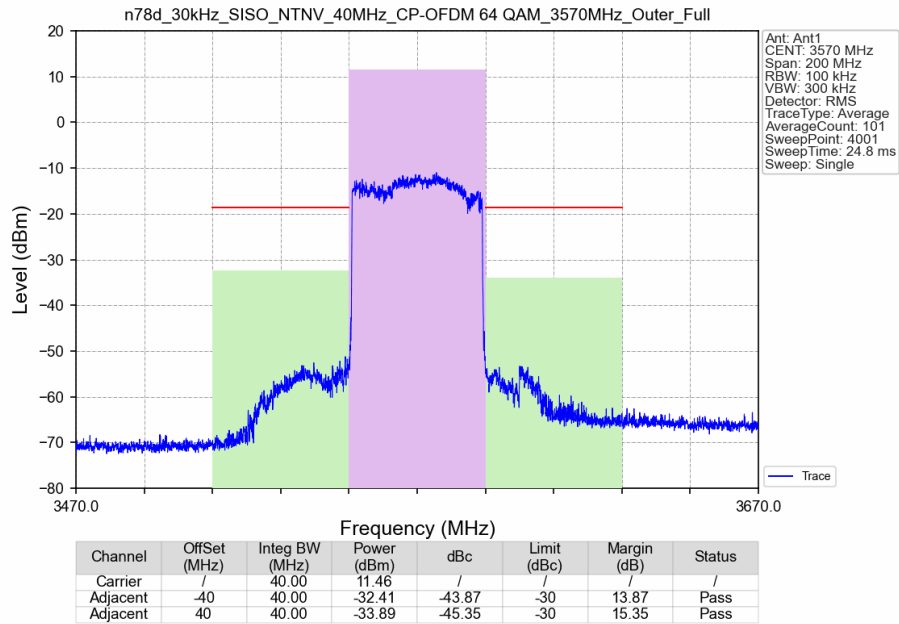
n78d 30kHz SISO NTN 40MHz CP-OFDM 16 QAM 3624.99MHz Outer Full



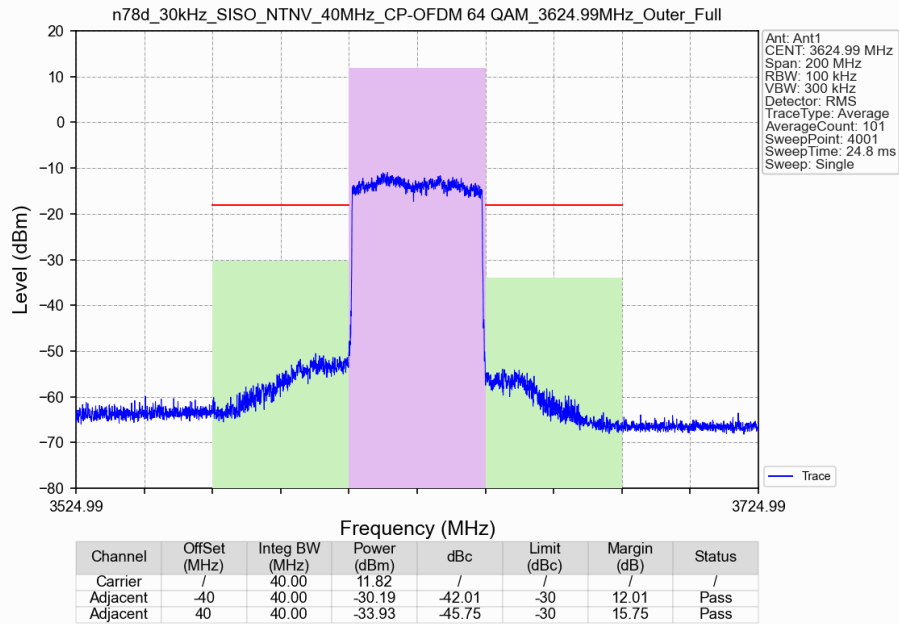
n78d 30kHz SISO NTN 40MHz CP-OFDM 16 QAM 3679.98MHz Outer Full



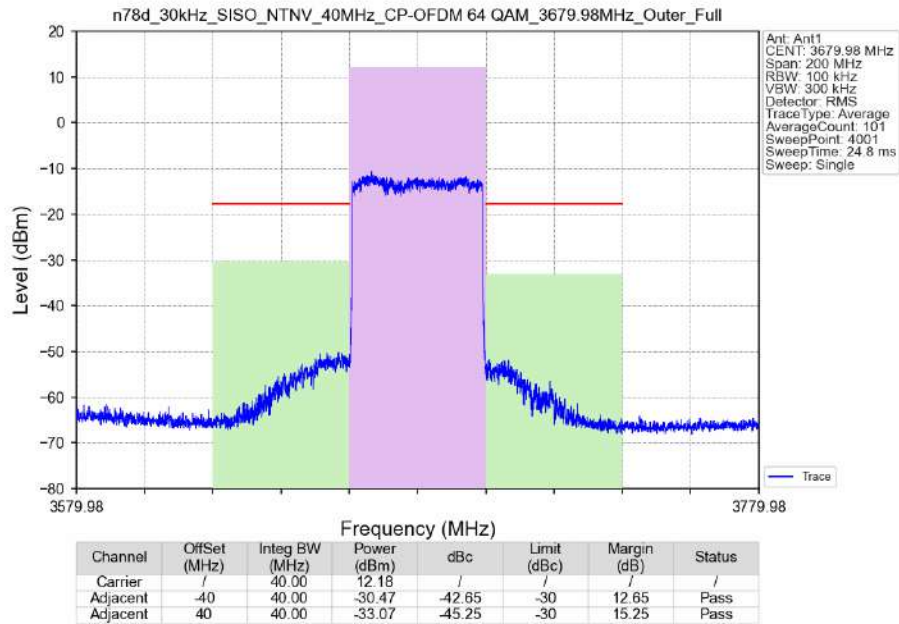
n78d 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 3570MHz Outer Full



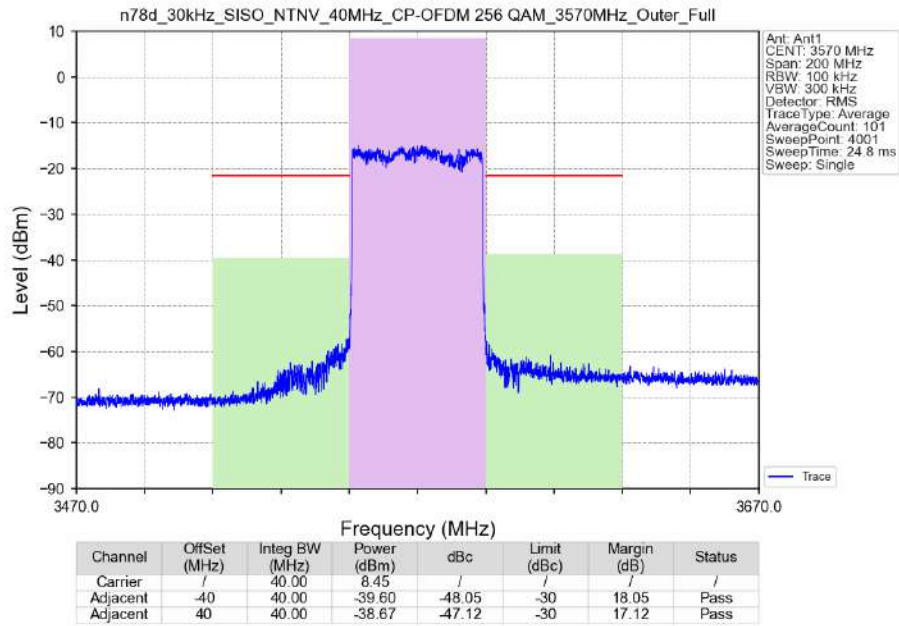
n78d 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 3624.99MHz Outer Full



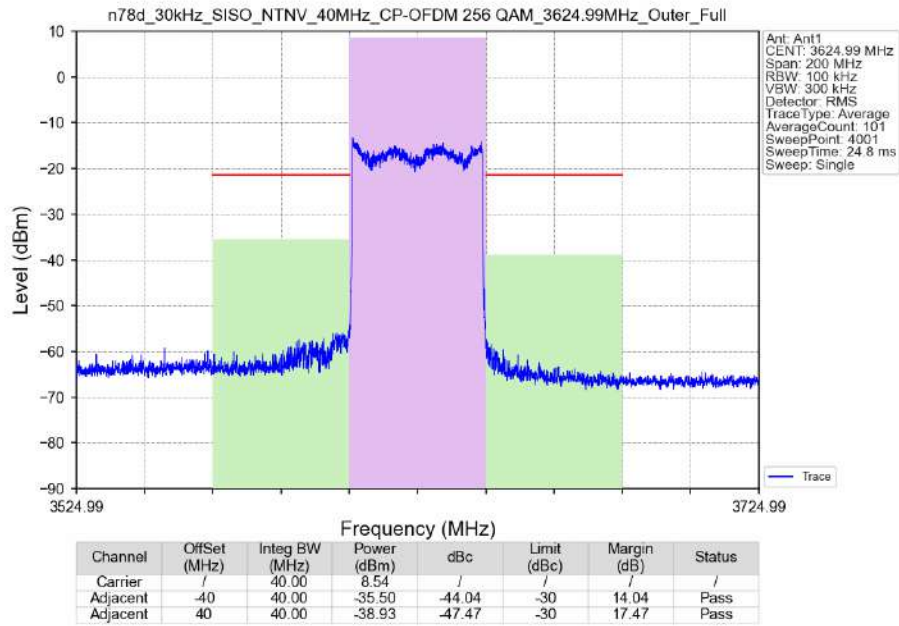
n78d 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 3679.98MHz Outer Full



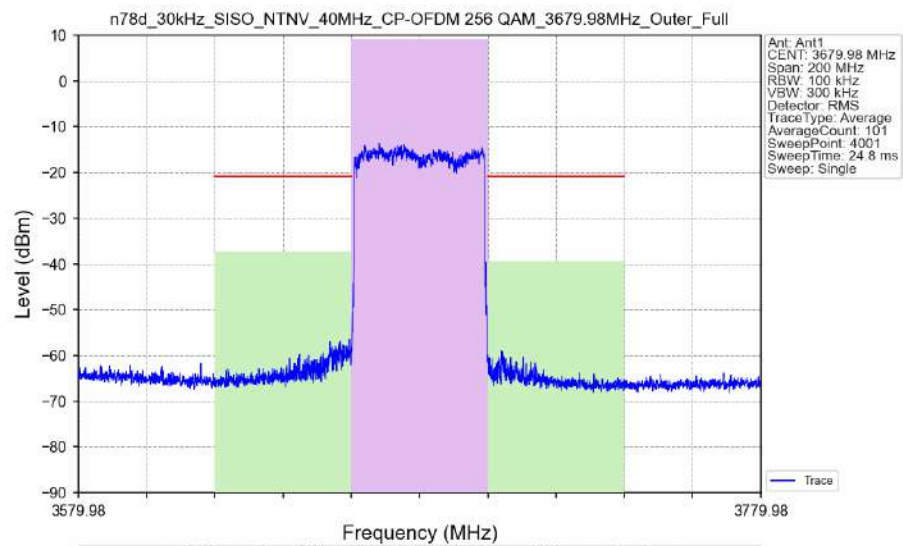
n78d 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3570MHz Outer Full



n78d 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3624.99MHz Outer Full



n78d 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3679.98MHz Outer Full



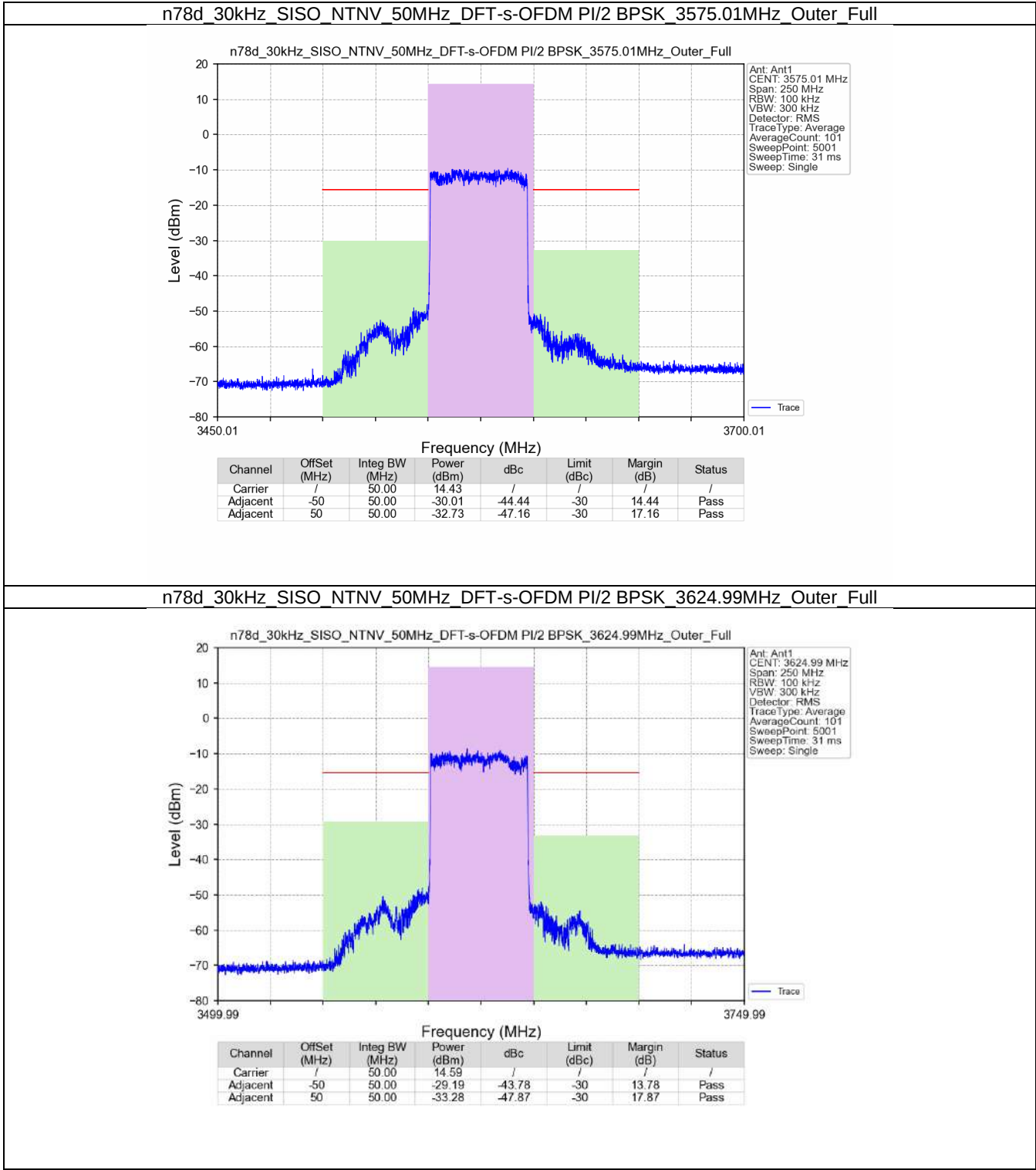
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	9.10	/	/	/	/
Adjacent	-40	40.00	-37.28	-46.38	-30	16.38	Pass
Adjacent	40	40.00	-39.31	-48.41	-30	18.41	Pass

6.4 30k_SISO_50MHz_NTNV

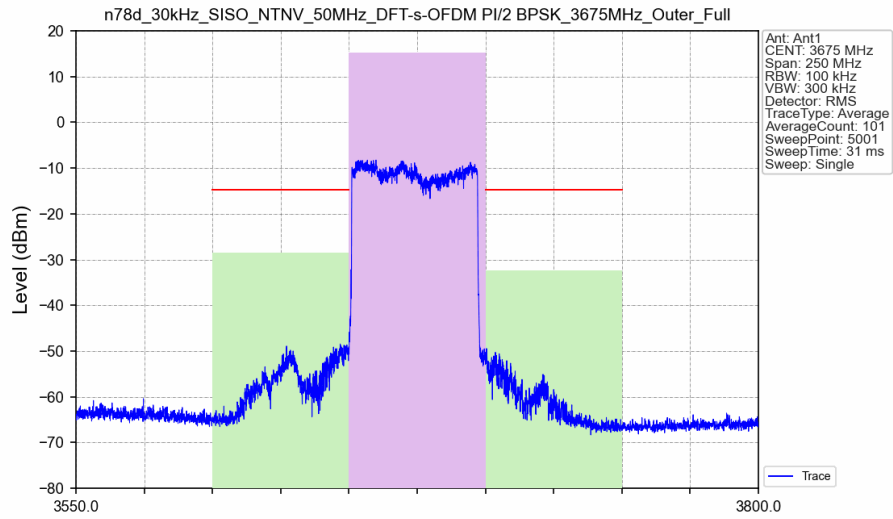
6.4.1 Test Result

5G NR n78d SCS=30kHz SISO 50MHz NTN					
Modulation	Frequency (MHz)	RB Allocation	Adjacent Channel Leakage Ratio		Verdict
			Result	Limit	
DFT-s-OFDM PI/2 BPSK	3575.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3675	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM QPSK	3575.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3675	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 16 QAM	3575.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3675	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 64 QAM	3575.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3675	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 256 QAM	3575.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3675	Outer_Full	Refer To Test Graph		Pass
CP-OFDM QPSK	3575.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3675	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 16 QAM	3575.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3675	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 64 QAM	3575.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3675	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 256 QAM	3575.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3675	Outer_Full	Refer To Test Graph		Pass

6.4.2 Test Graph

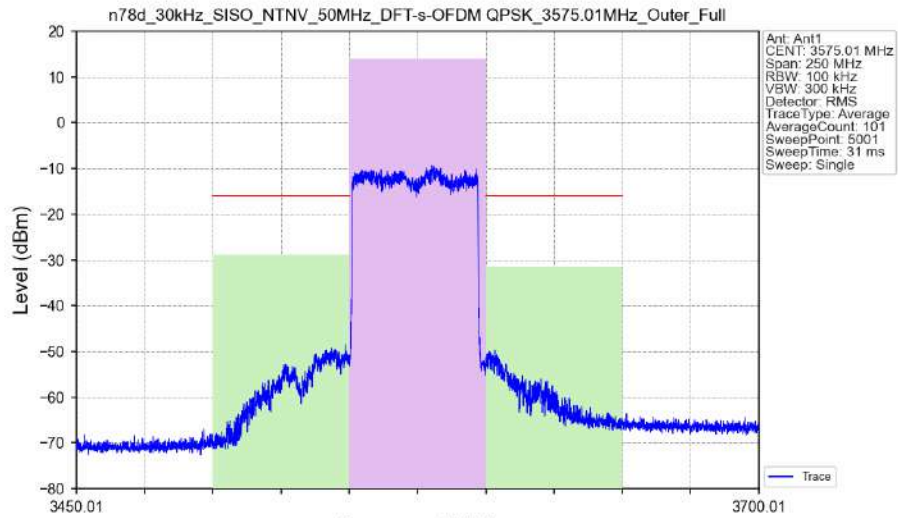


n78d 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3675MHz Outer Full



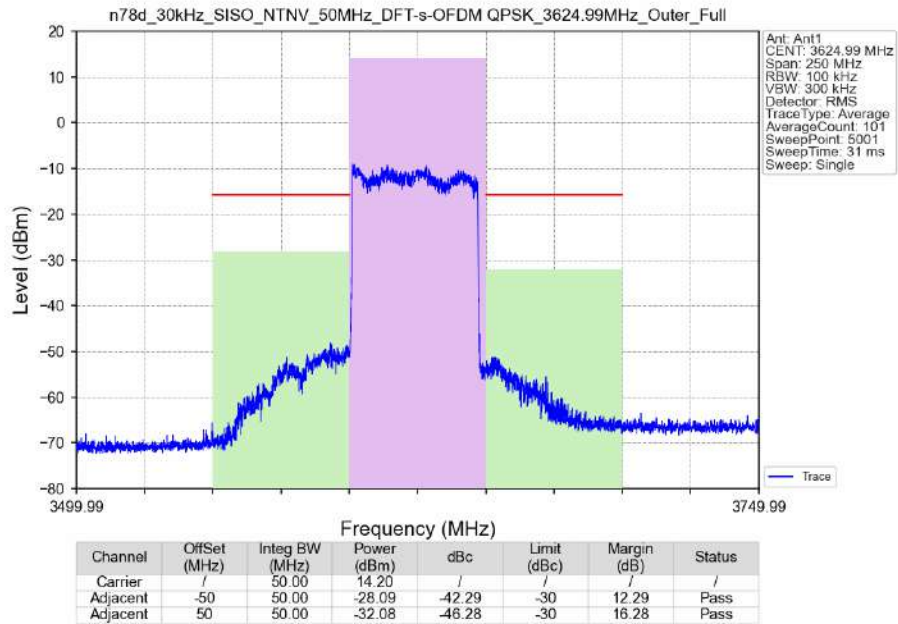
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	50.00	15.26	/	/	/	/
Adjacent	-50	50.00	-28.50	-43.76	-30	13.76	Pass
Adjacent	50	50.00	-32.31	-47.57	-30	17.57	Pass

n78d 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3575.01MHz Outer Full

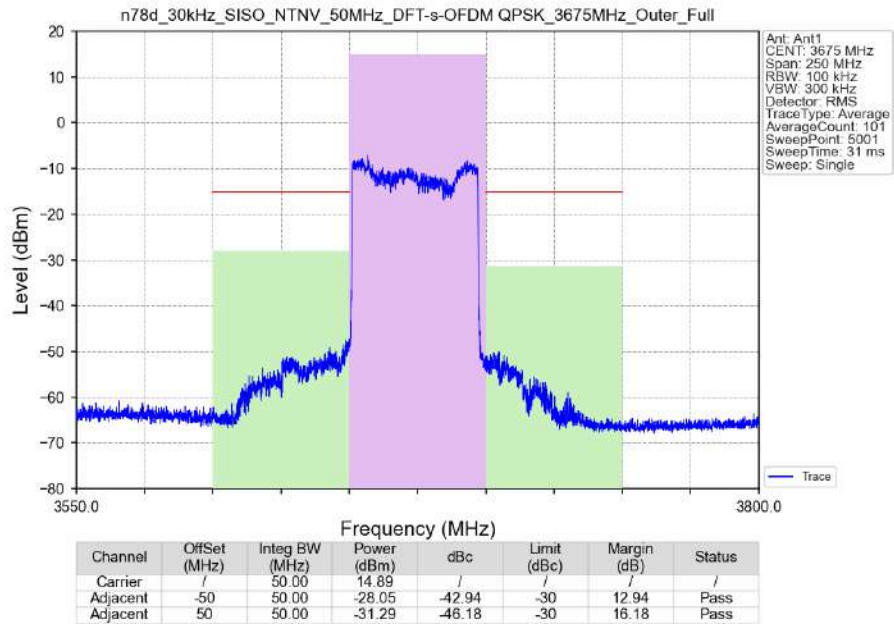


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	50.00	14.04	/	/	/	/
Adjacent	-50	50.00	-28.90	-42.94	-30	12.94	Pass
Adjacent	50	50.00	-31.46	-45.50	-30	15.50	Pass

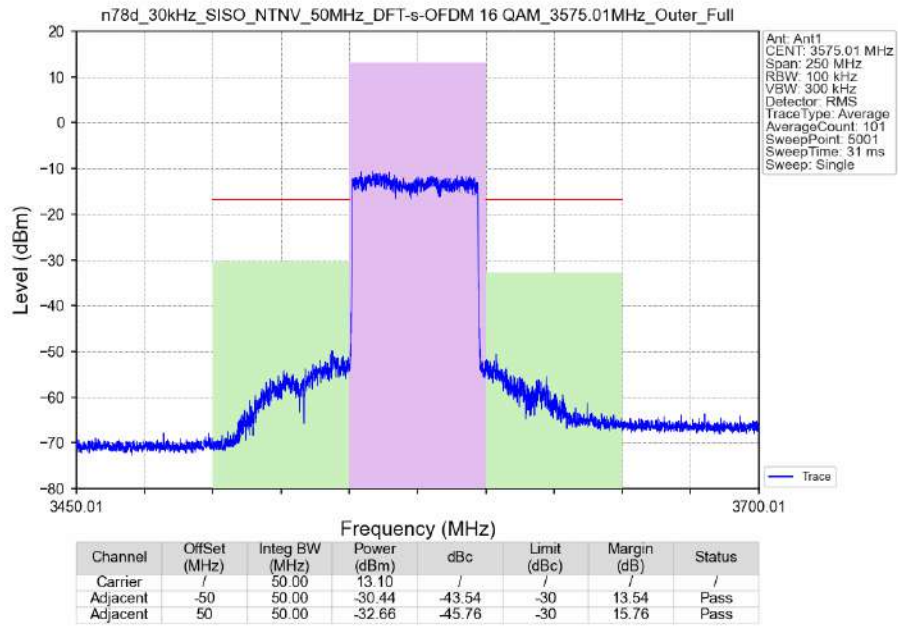
n78d 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3624.99MHz Outer Full



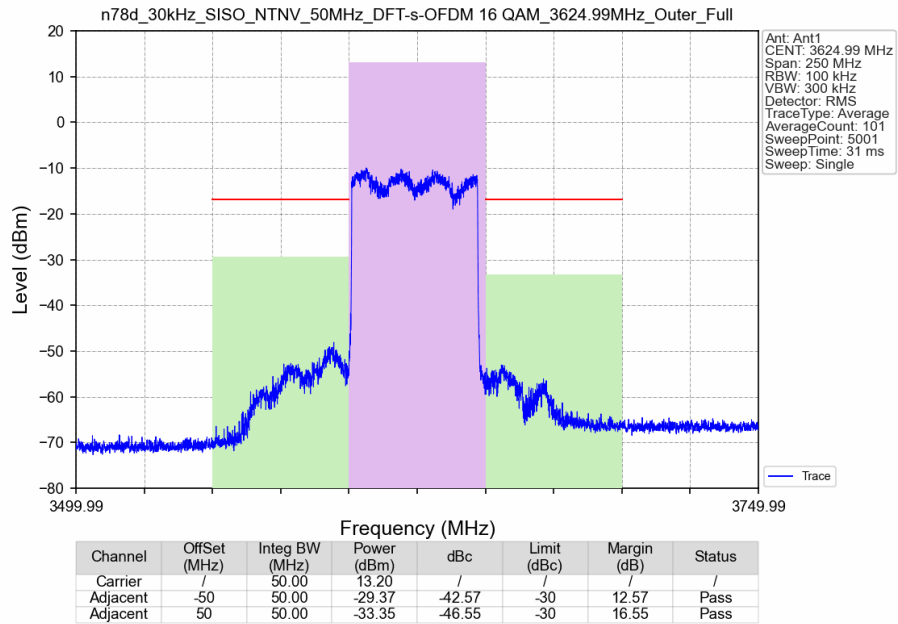
n78d 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3675MHz Outer Full



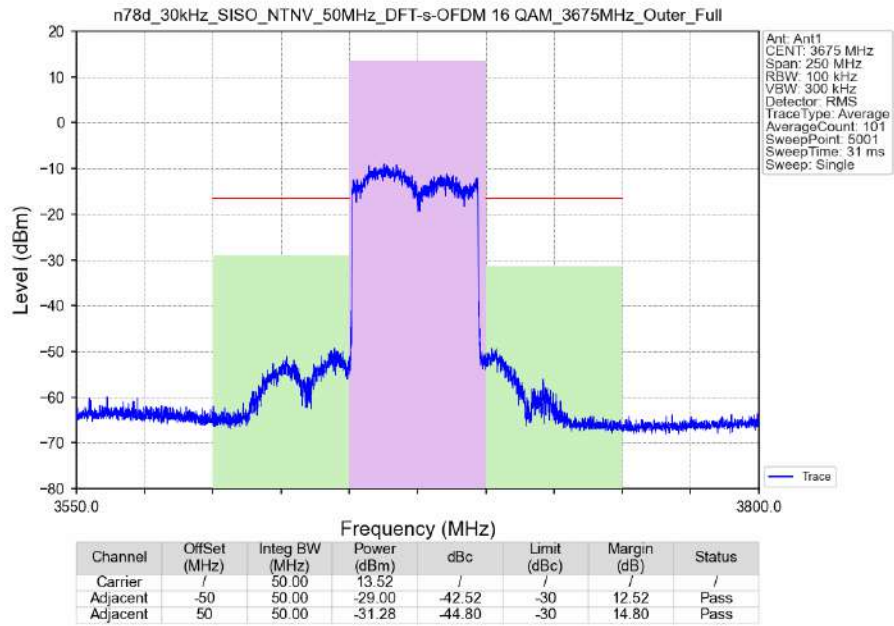
n78d 30kHz SISO NTN 50MHz DFT-s-OFDM 16 QAM 3575.01MHz Outer Full



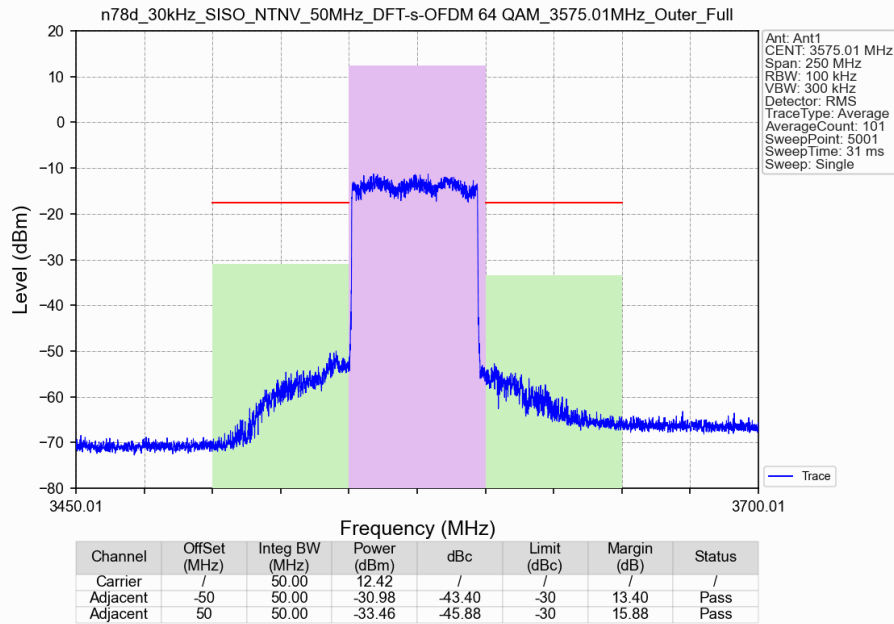
n78d 30kHz SISO NTN 50MHz DFT-s-OFDM 16 QAM 3624.99MHz Outer Full



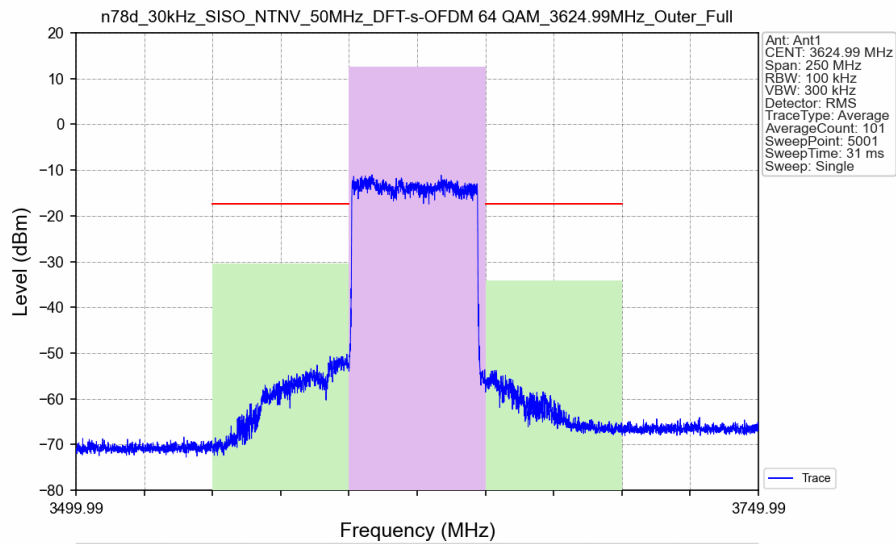
n78d 30kHz SISO NTN 50MHz DFT-s-OFDM 16 QAM 3675MHz Outer Full



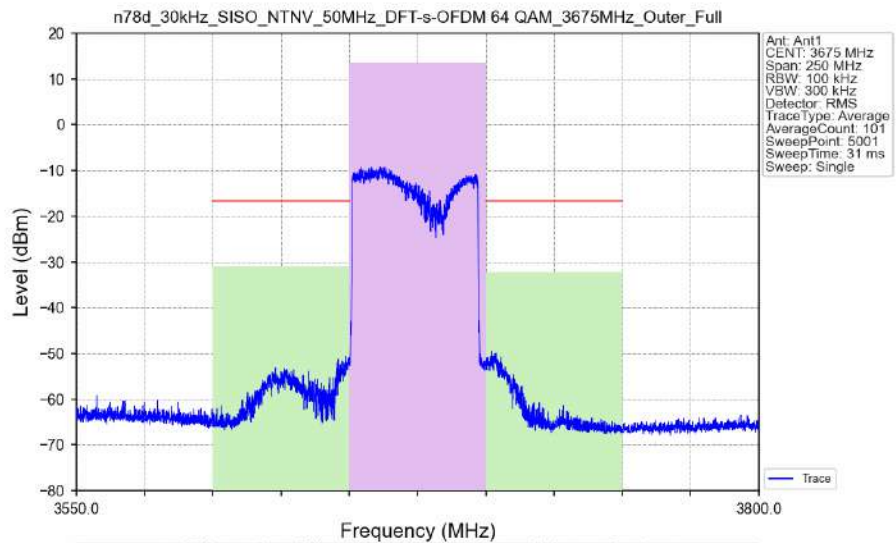
n78d 30kHz SISO NTN 50MHz DFT-s-OFDM 64 QAM 3575.01MHz Outer Full



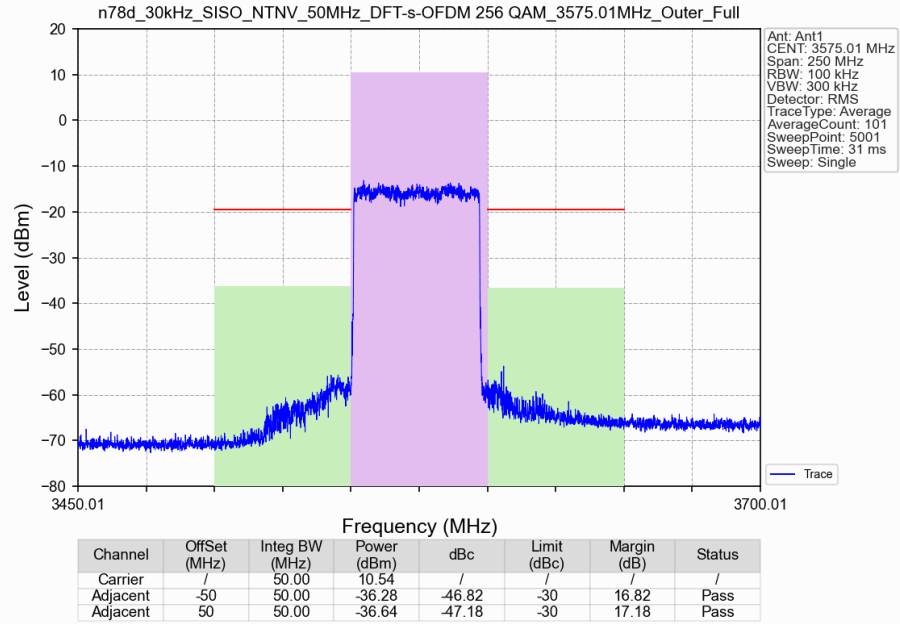
n78d 30kHz SISO NTN 50MHz DFT-s-OFDM 64 QAM 3624.99MHz Outer Full



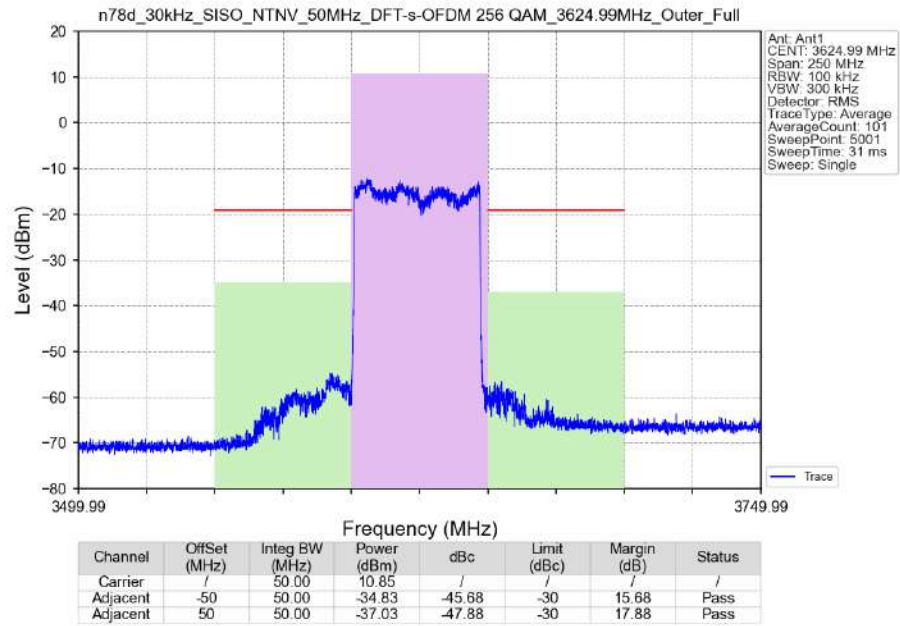
n78d 30kHz SISO NTN 50MHz DFT-s-OFDM 64 QAM 3675MHz Outer Full



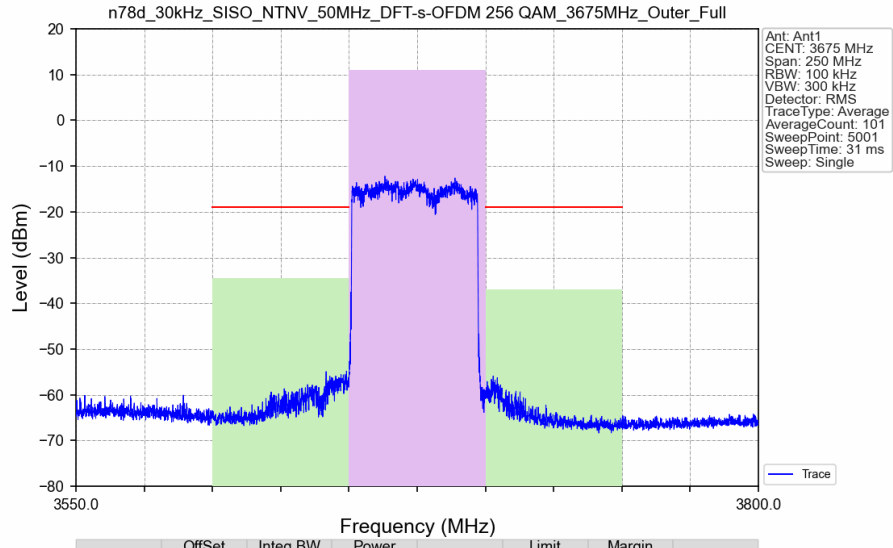
n78d 30kHz SISO NTV 50MHz DFT-s-OFDM 256 QAM 3575.01MHz Outer Full



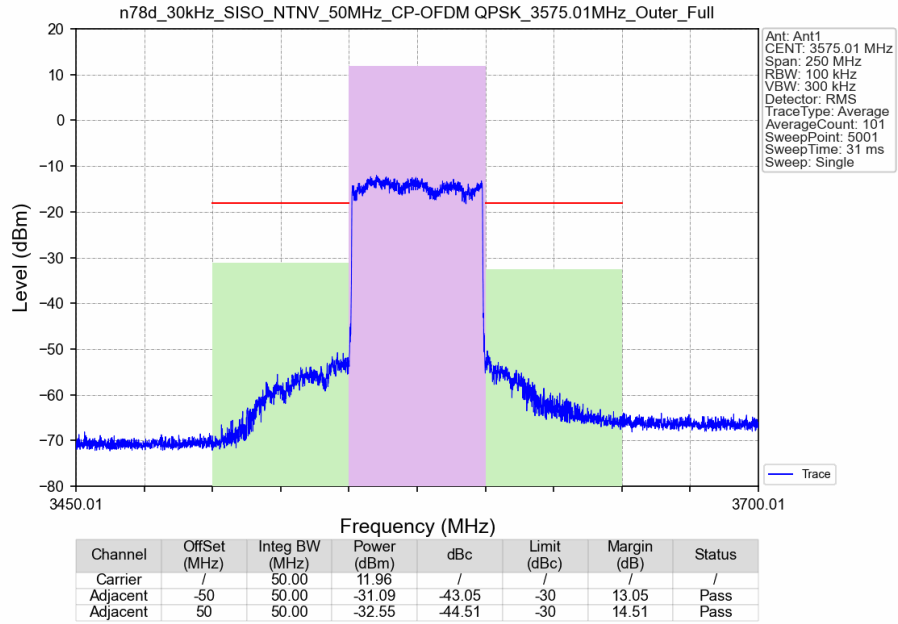
n78d 30kHz SISO NTV 50MHz DFT-s-OFDM 256 QAM 3624.99MHz Outer Full



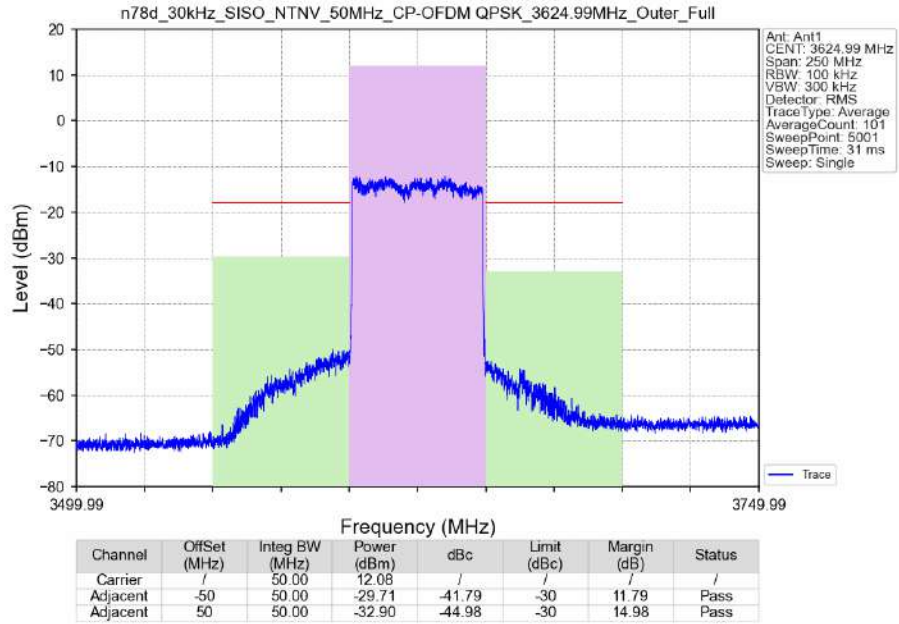
n78d 30kHz SISO NTN 50MHz DFT-s-OFDM 256 QAM 3675MHz Outer Full



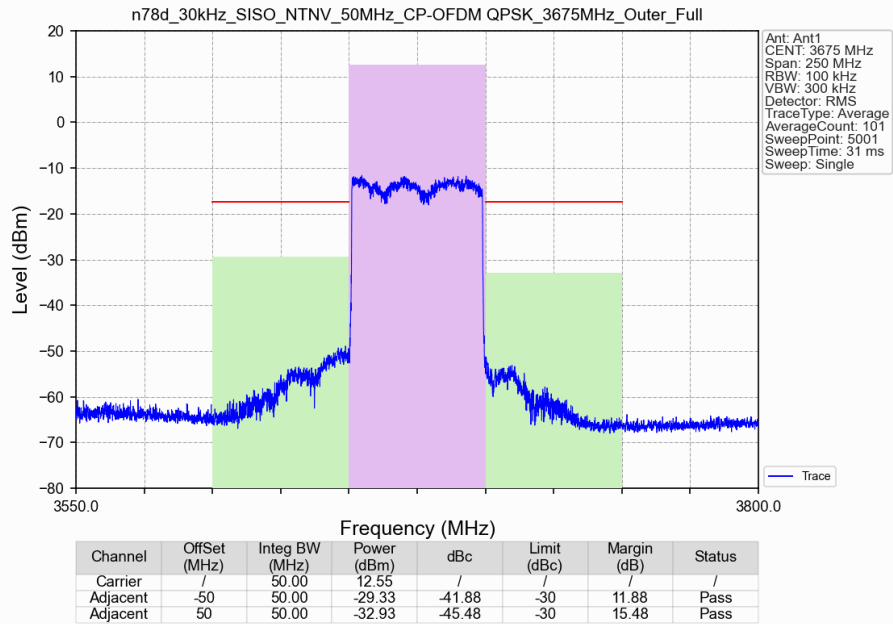
n78d 30kHz SISO NTN 50MHz CP-OFDM QPSK 3575.01MHz Outer Full



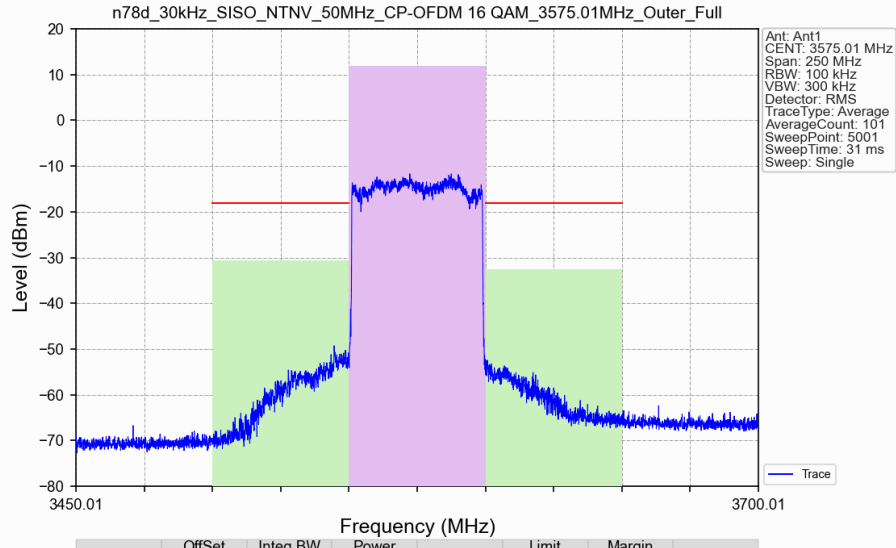
n78d 30kHz SISO NTN 50MHz CP-OFDM QPSK 3624.99MHz Outer Full



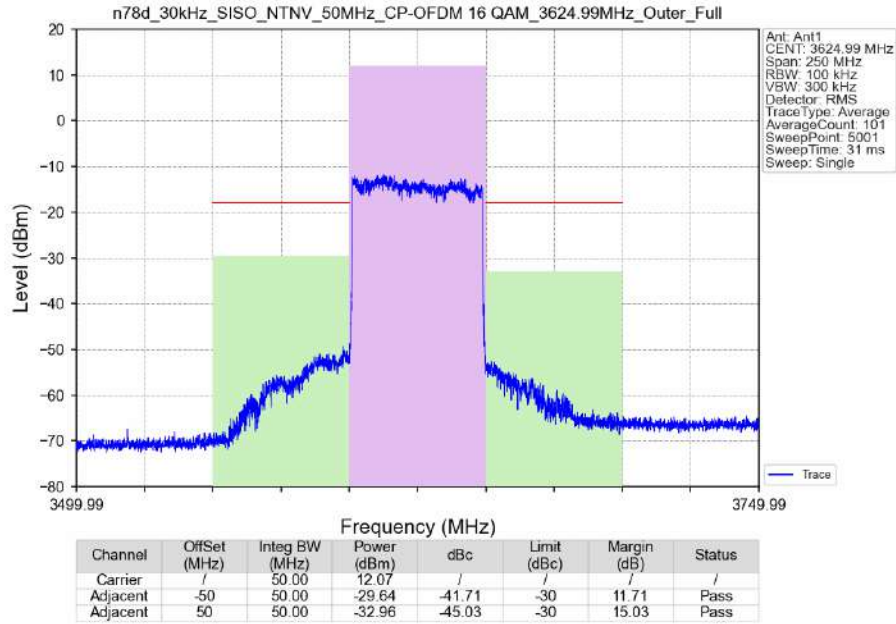
n78d 30kHz SISO NTN 50MHz CP-OFDM QPSK 3675MHz Outer Full



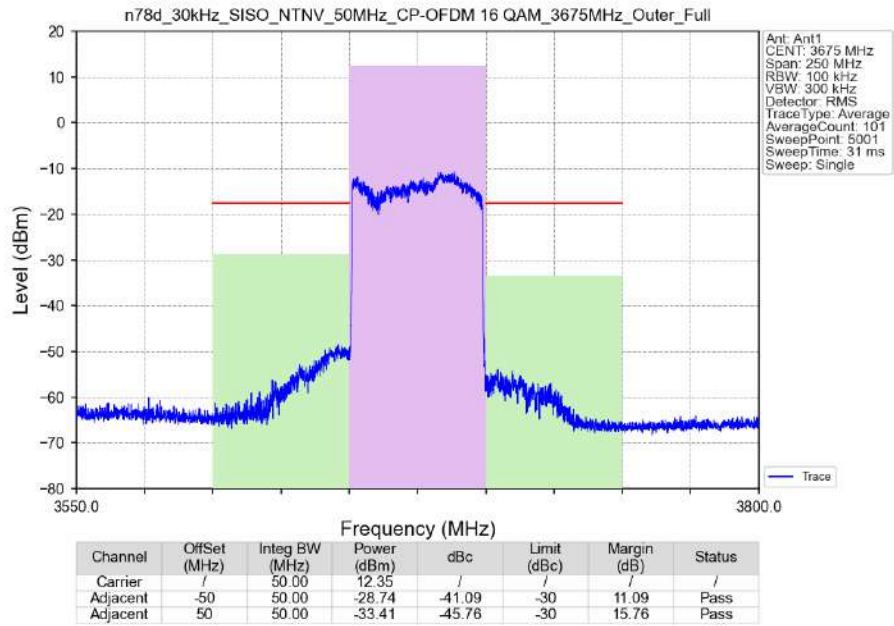
n78d 30kHz SISO NTN 50MHz CP-OFDM 16 QAM 3575.01MHz Outer Full



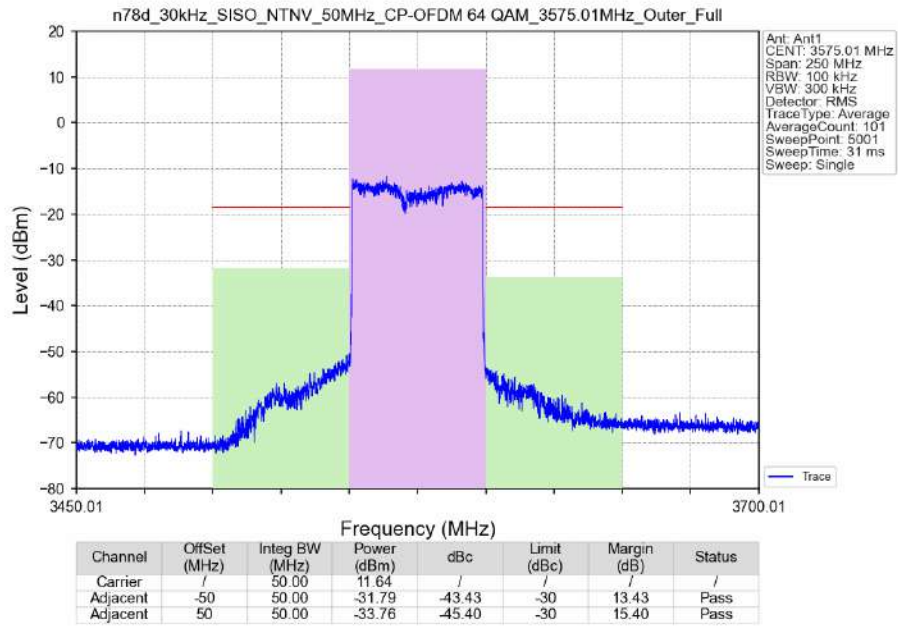
n78d 30kHz SISO NTN 50MHz CP-OFDM 16 QAM 3624.99MHz Outer Full



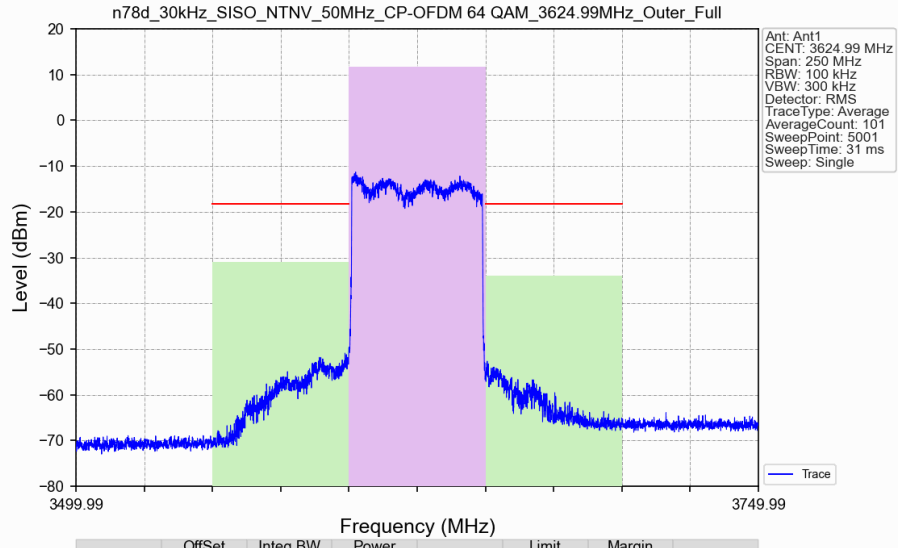
n78d 30kHz SISO NTN 50MHz CP-OFDM 16 QAM 3675MHz Outer Full



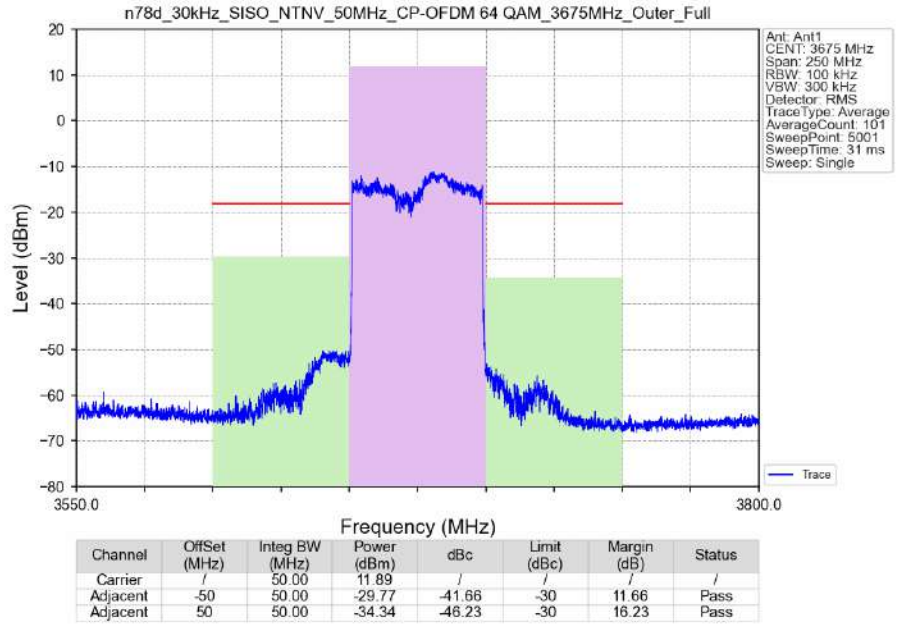
n78d 30kHz SISO NTN 50MHz CP-OFDM 64 QAM 3575.01MHz Outer Full



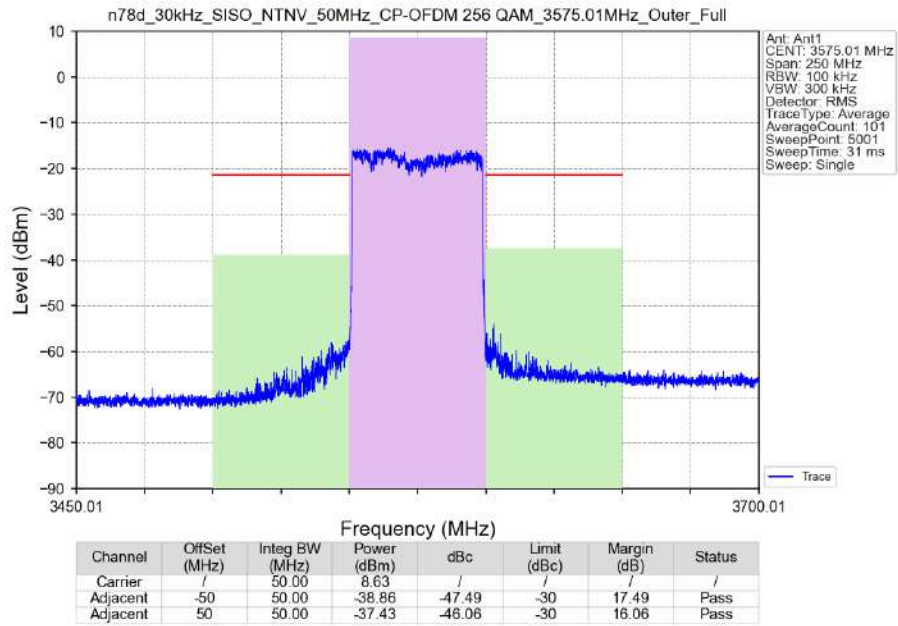
n78d 30kHz SISO NTN 50MHz CP-OFDM 64 QAM 3624.99MHz Outer Full



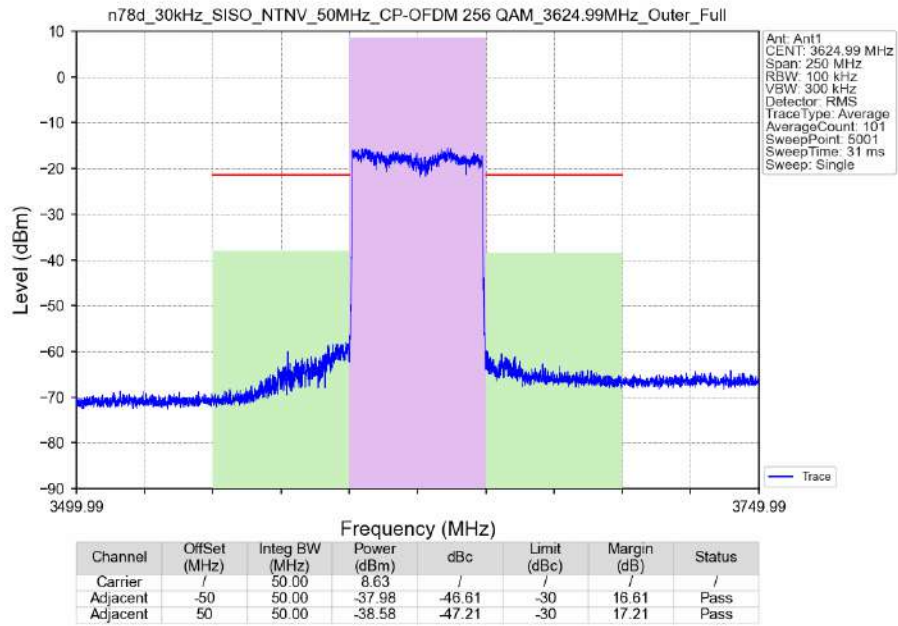
n78d 30kHz SISO NTN 50MHz CP-OFDM 64 QAM 3675MHz Outer Full



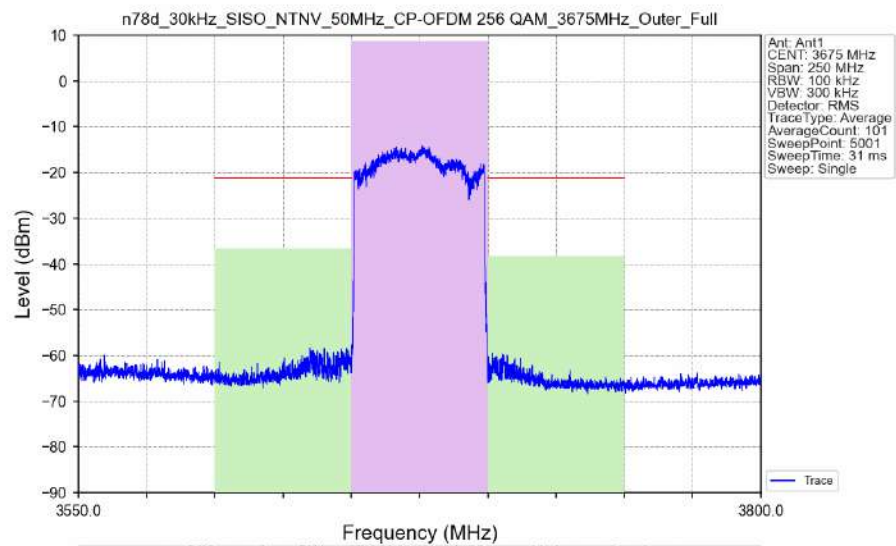
n78d 30kHz SISO NTN 50MHz CP-OFDM 256 QAM 3575.01MHz Outer Full



n78d 30kHz SISO NTN 50MHz CP-OFDM 256 QAM 3624.99MHz Outer Full



n78d 30kHz SISO NTN 50MHz CP-OFDM 256 QAM 3675MHz Outer Full



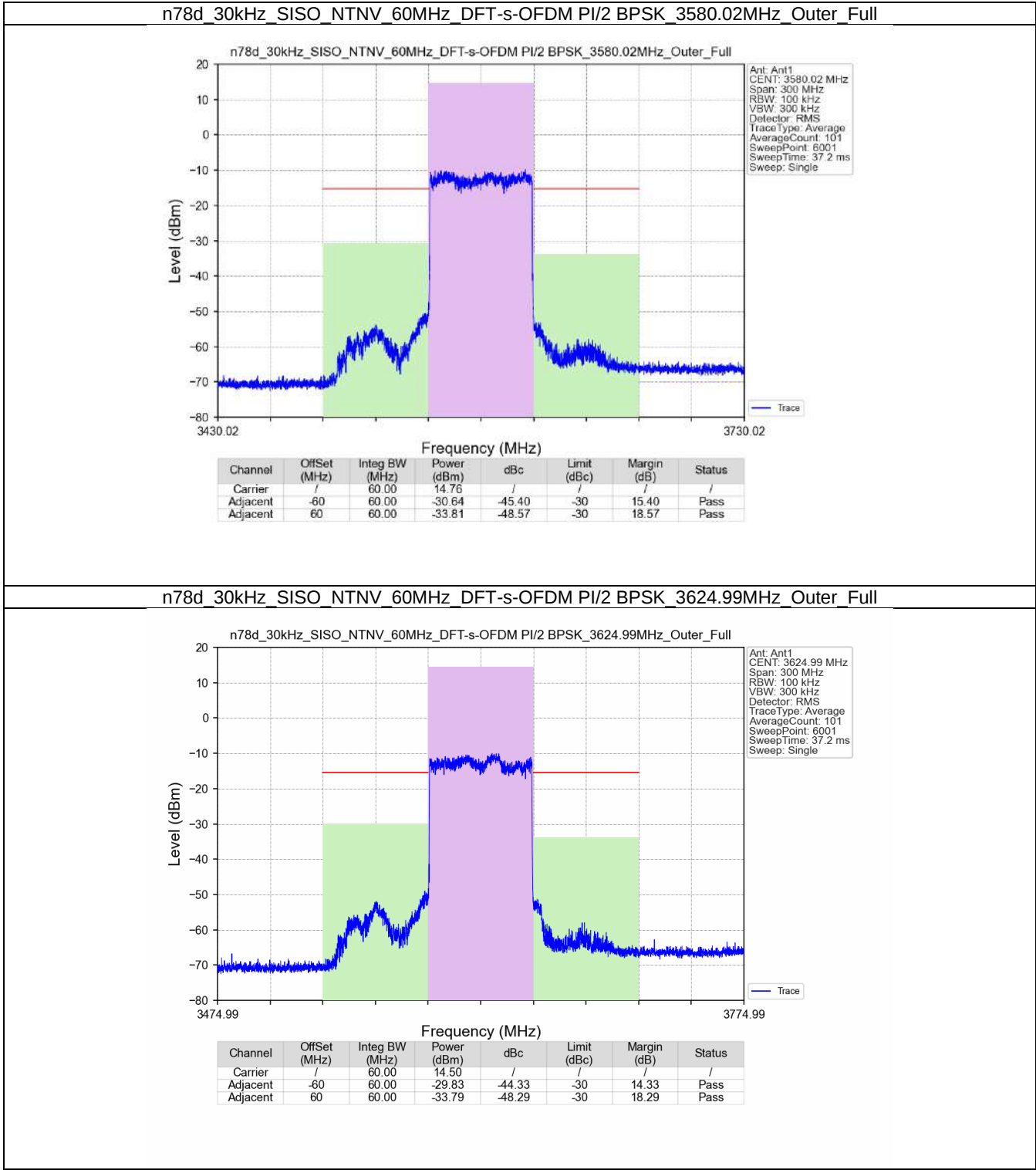
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	50.00	8.72	/	/	/	/
Adjacent	-50	50.00	-36.61	-45.33	-30	15.33	Pass
Adjacent	50	50.00	-38.38	-47.10	-30	17.10	Pass

6.5 30k_SISO_60MHz_NTNV

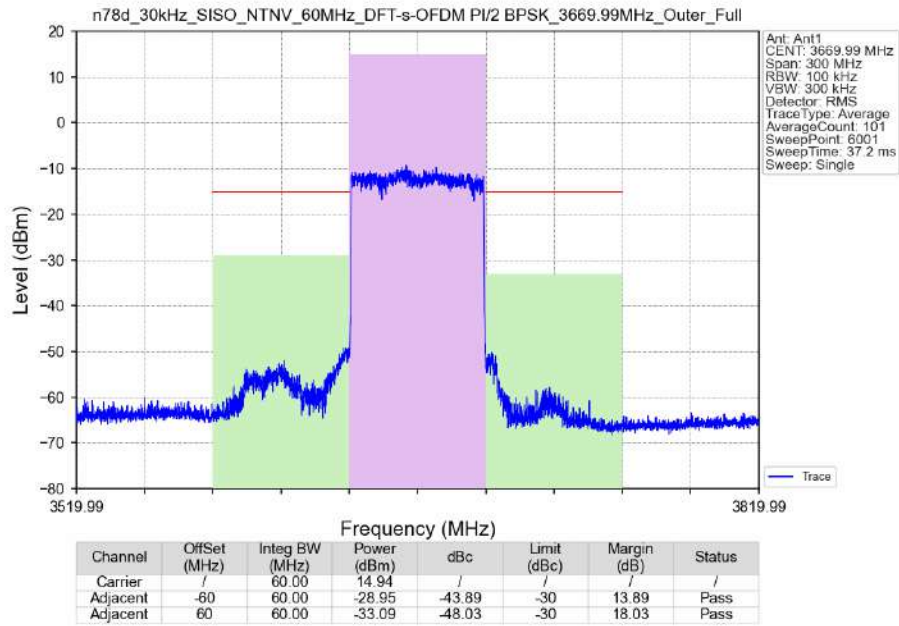
6.5.1 Test Result

5G NR n78d SCS=30kHz SISO 60MHz NTN					
Modulation	Frequency (MHz)	RB Allocation	Adjacent Channel Leakage Ratio		Verdict
			Result	Limit	
DFT-s-OFDM PI/2 BPSK	3580.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3669.99	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM QPSK	3580.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3669.99	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 16 QAM	3580.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3669.99	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 64 QAM	3580.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3669.99	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 256 QAM	3580.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3669.99	Outer_Full	Refer To Test Graph		Pass
CP-OFDM QPSK	3580.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3669.99	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 16 QAM	3580.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3669.99	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 64 QAM	3580.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3669.99	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 256 QAM	3580.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3669.99	Outer_Full	Refer To Test Graph		Pass

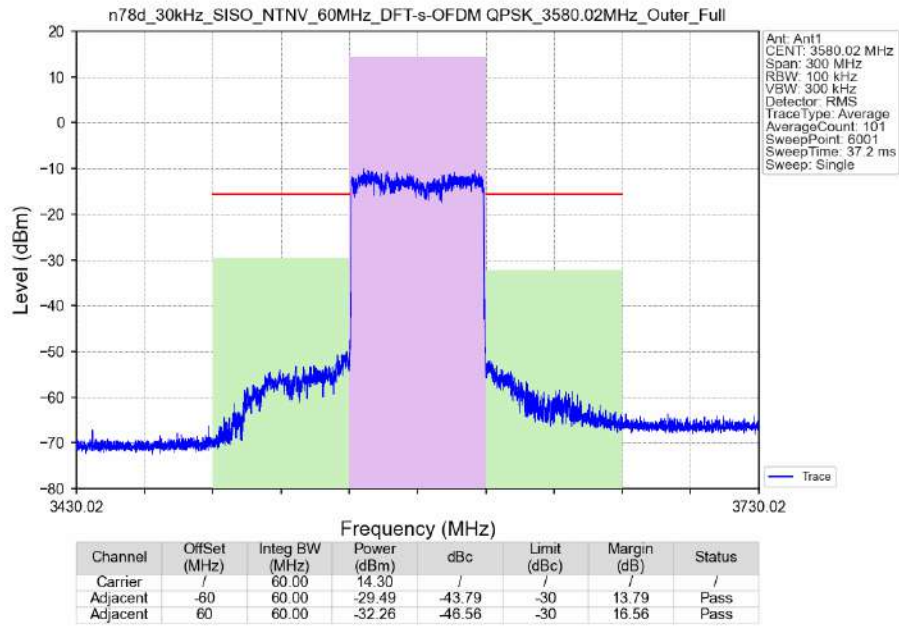
6.5.2 Test Graph



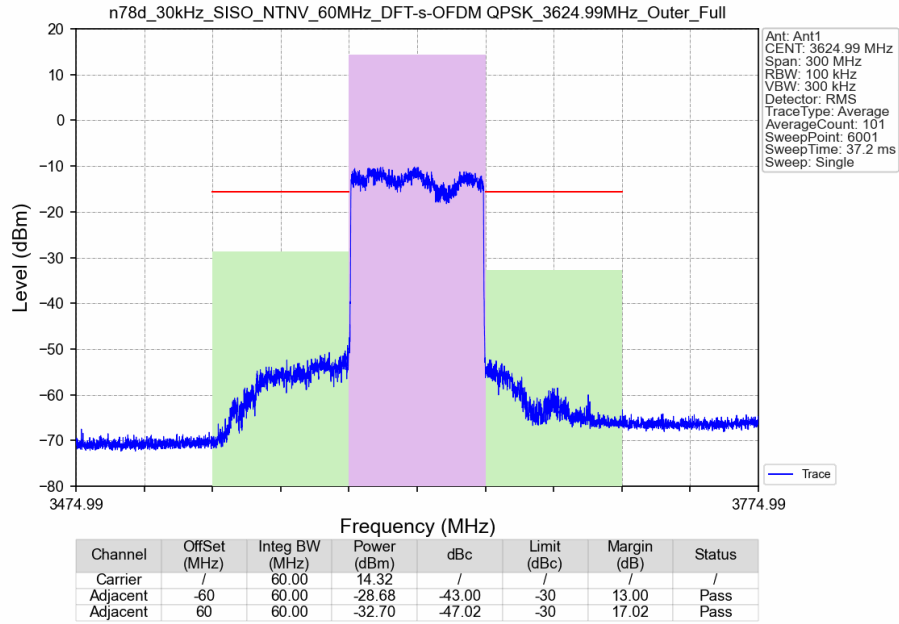
n78d 30kHz SISO NTN 60MHz DFT-s-OFDM PI/2 BPSK 3669.99MHz Outer Full



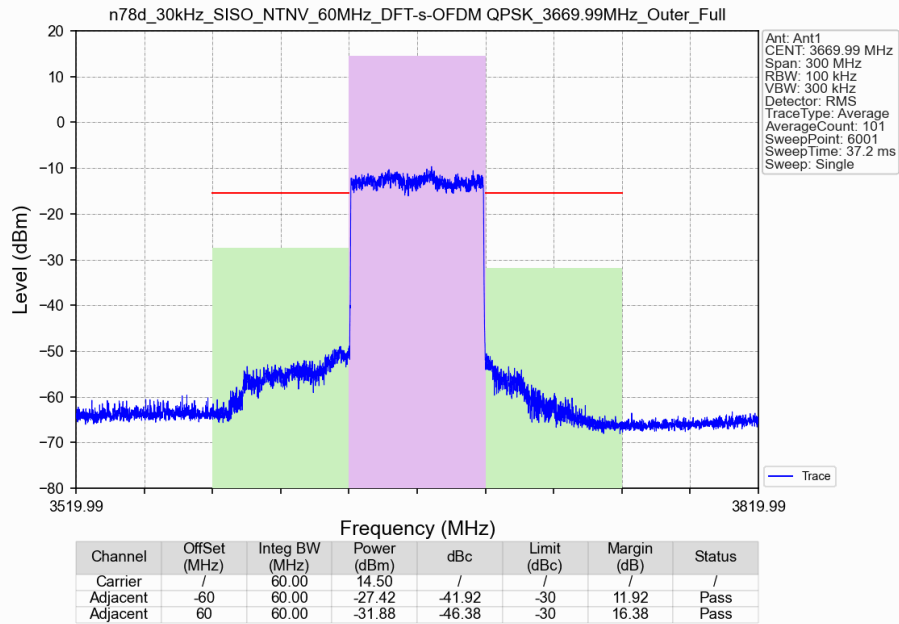
n78d 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3580.02MHz Outer Full



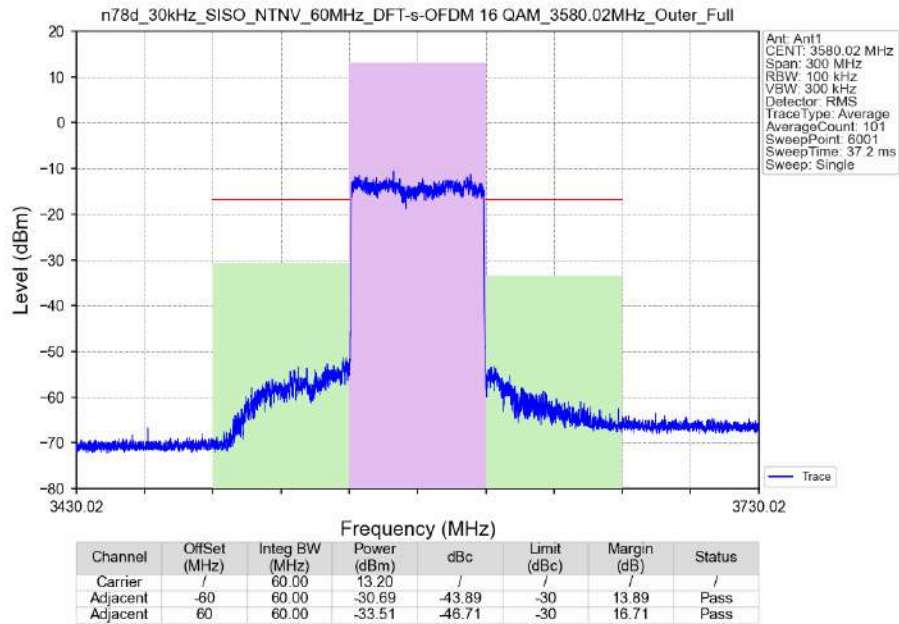
n78d 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3624.99MHz Outer Full



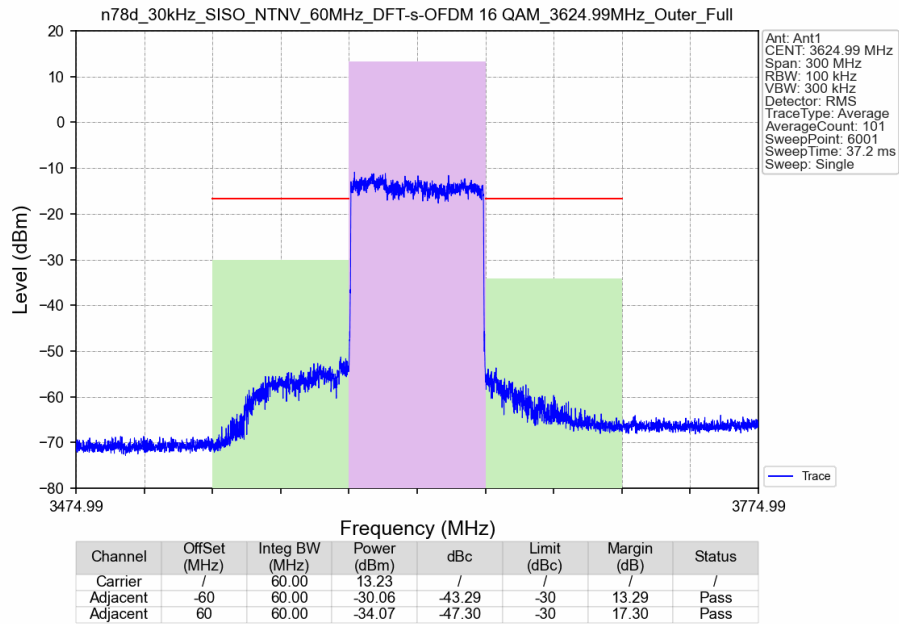
n78d 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3669.99MHz Outer Full



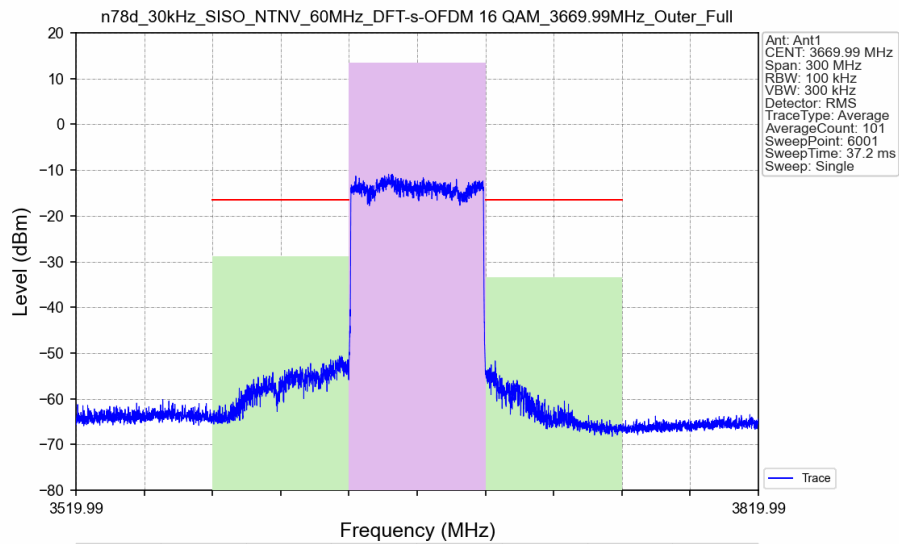
n78d 30kHz SISO NTN 60MHz DFT-s-OFDM 16 QAM 3580.02MHz Outer Full



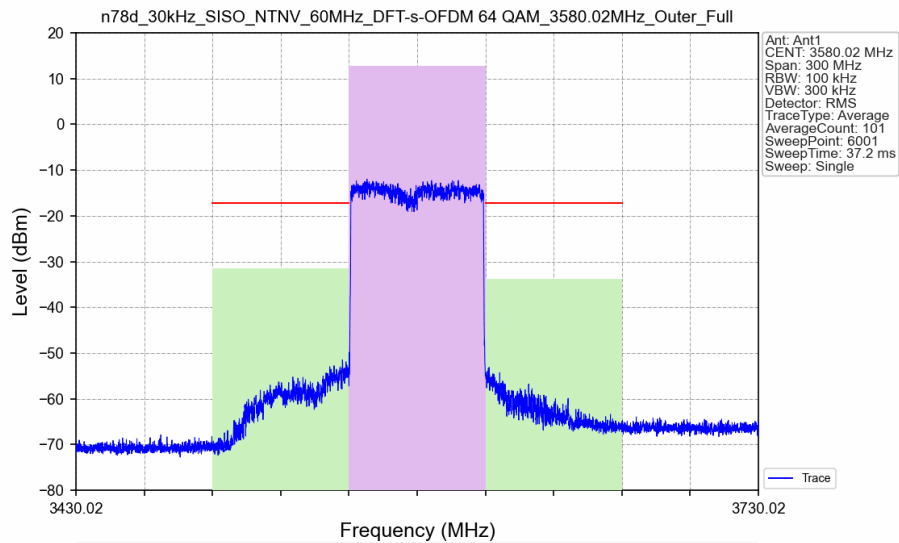
n78d 30kHz SISO NTN 60MHz DFT-s-OFDM 16 QAM 3624.99MHz Outer Full



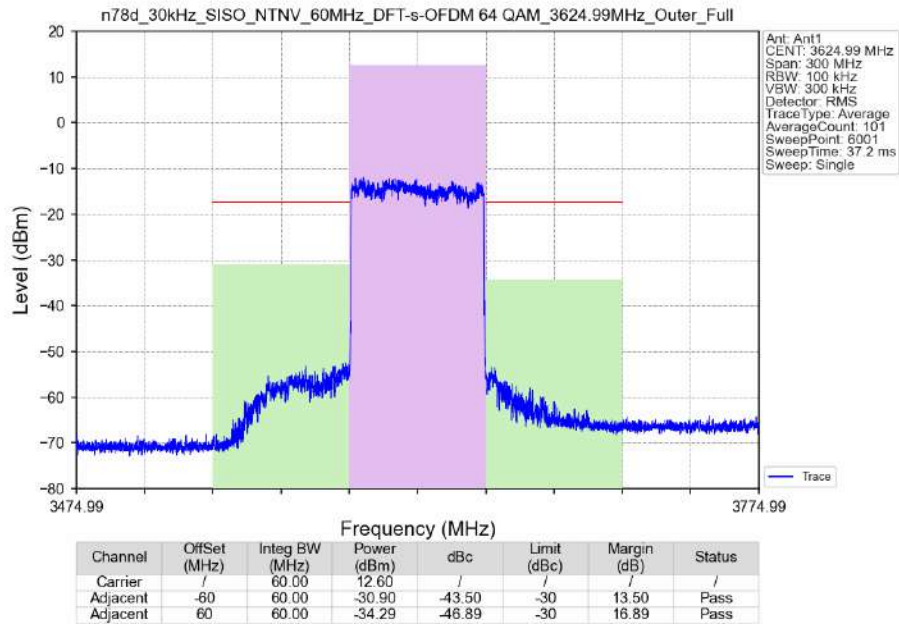
n78d 30kHz SISO NTN 60MHz DFT-s-OFDM 16 QAM 3669.99MHz Outer Full



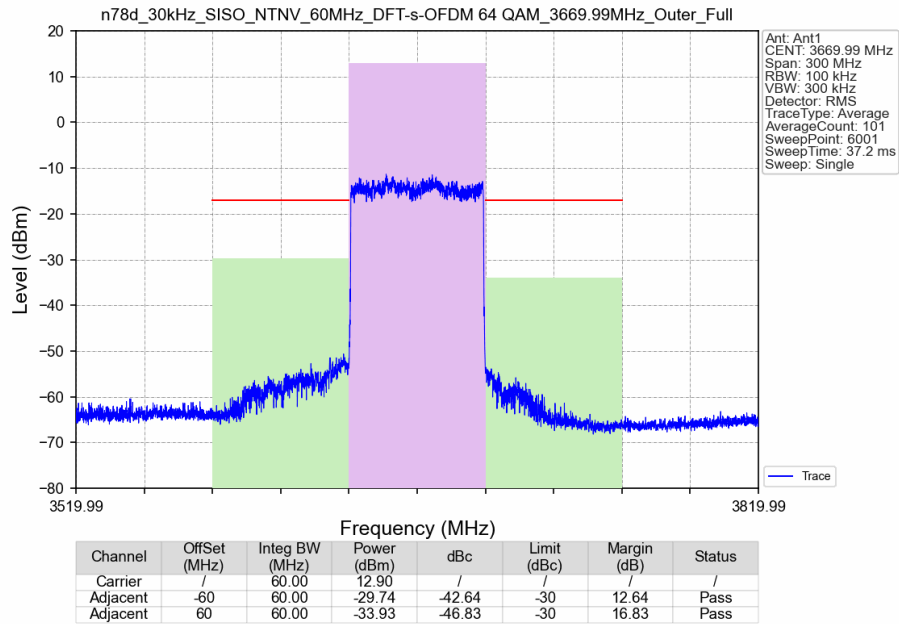
n78d 30kHz SISO NTN 60MHz DFT-s-OFDM 64 QAM 3580.02MHz Outer Full



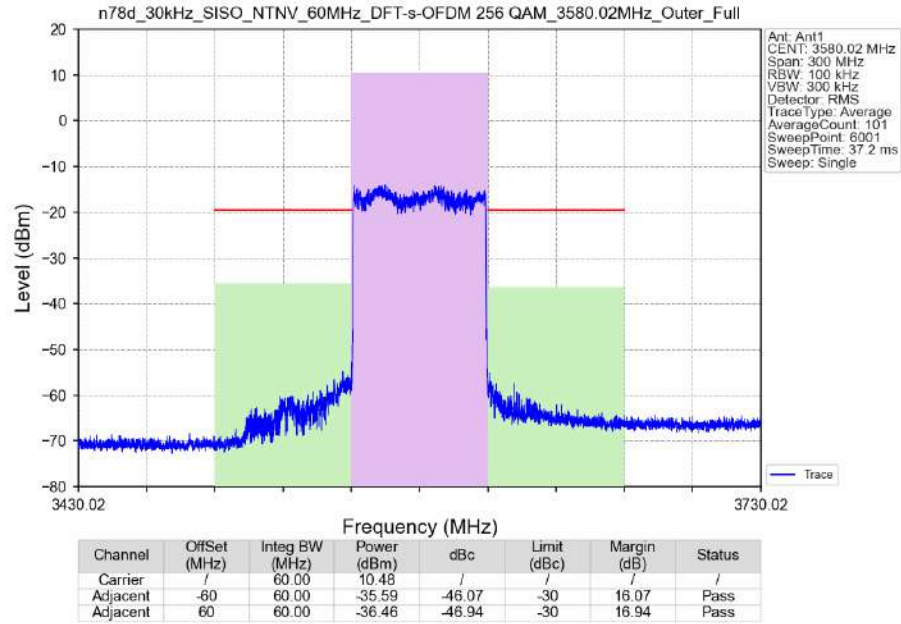
n78d 30kHz SISO NTN 60MHz DFT-s-OFDM 64 QAM 3624.99MHz Outer Full



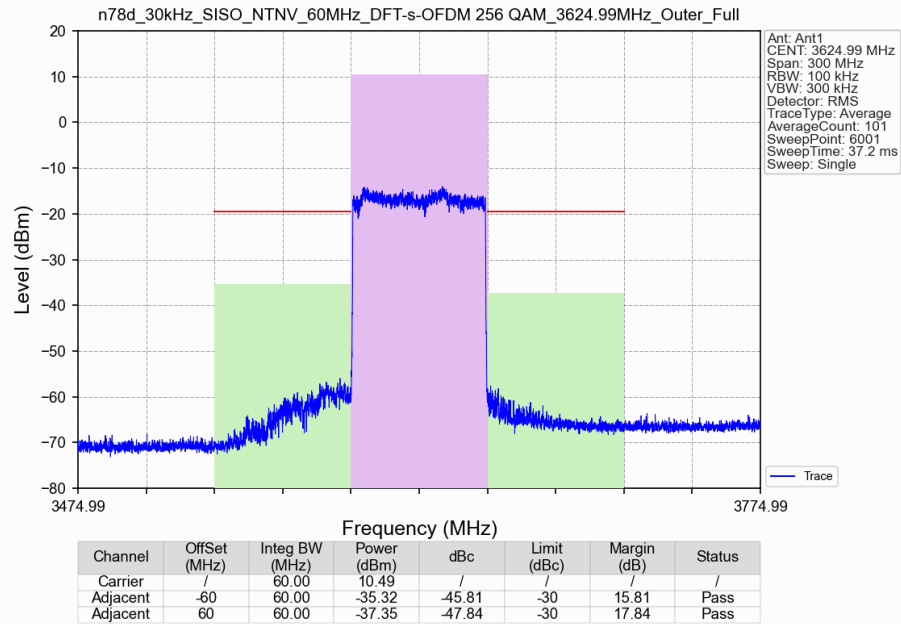
n78d 30kHz SISO NTN 60MHz DFT-s-OFDM 64 QAM 3669.99MHz Outer Full



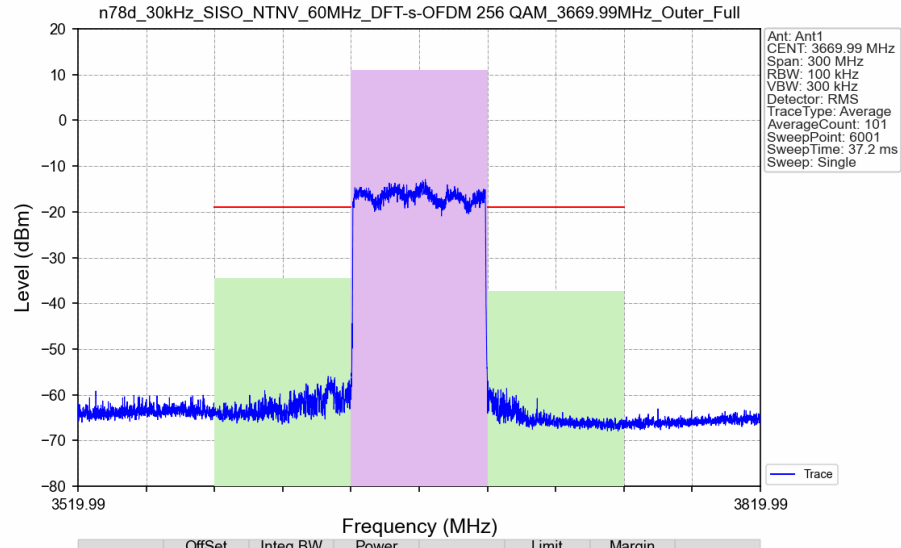
n78d 30kHz SISO NTV 60MHz DFT-s-OFDM 256 QAM 3580.02MHz Outer Full



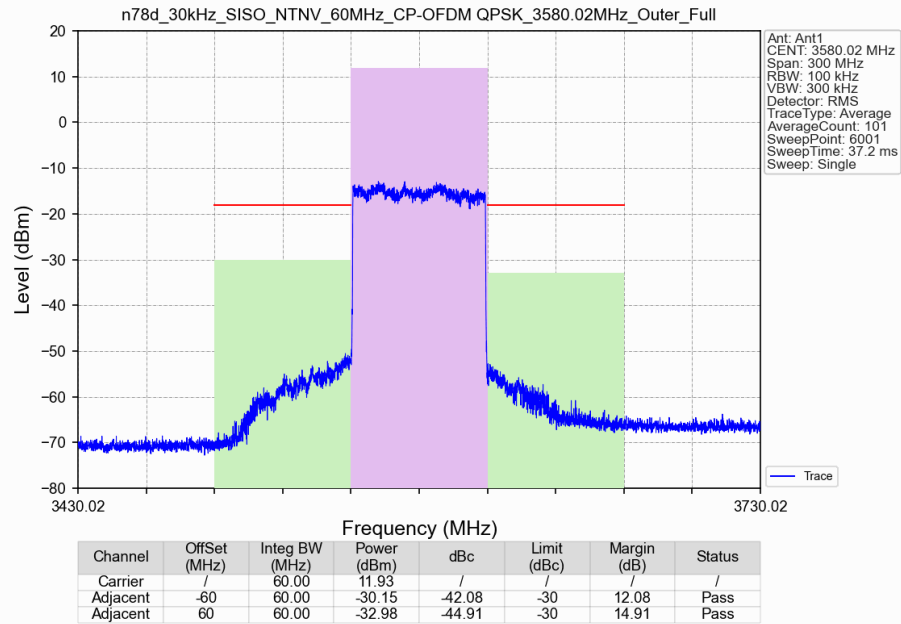
n78d 30kHz SISO NTV 60MHz DFT-s-OFDM 256 QAM 3624.99MHz Outer Full



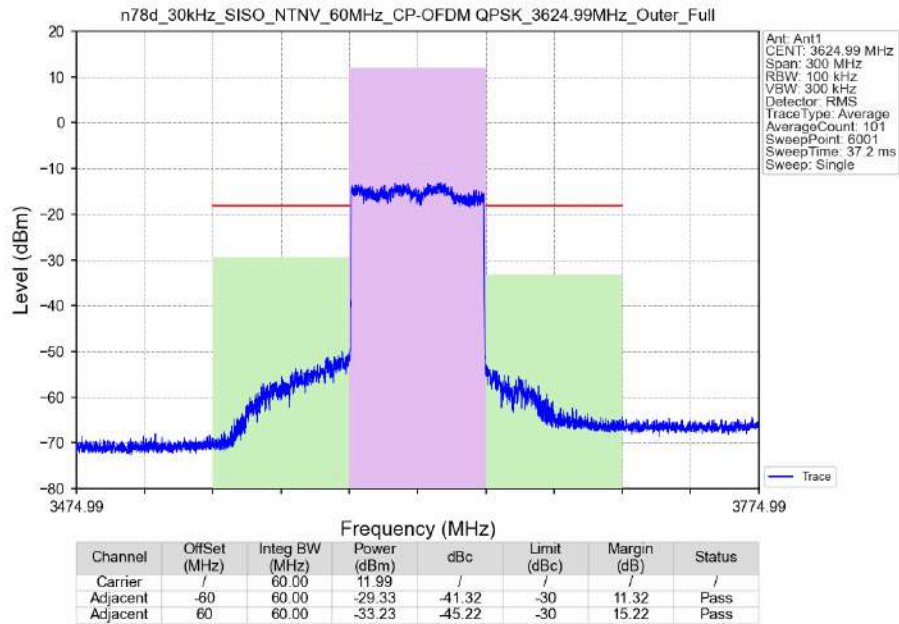
n78d 30kHz SISO NTV 60MHz DFT-s-OFDM 256 QAM 3669.99MHz Outer Full



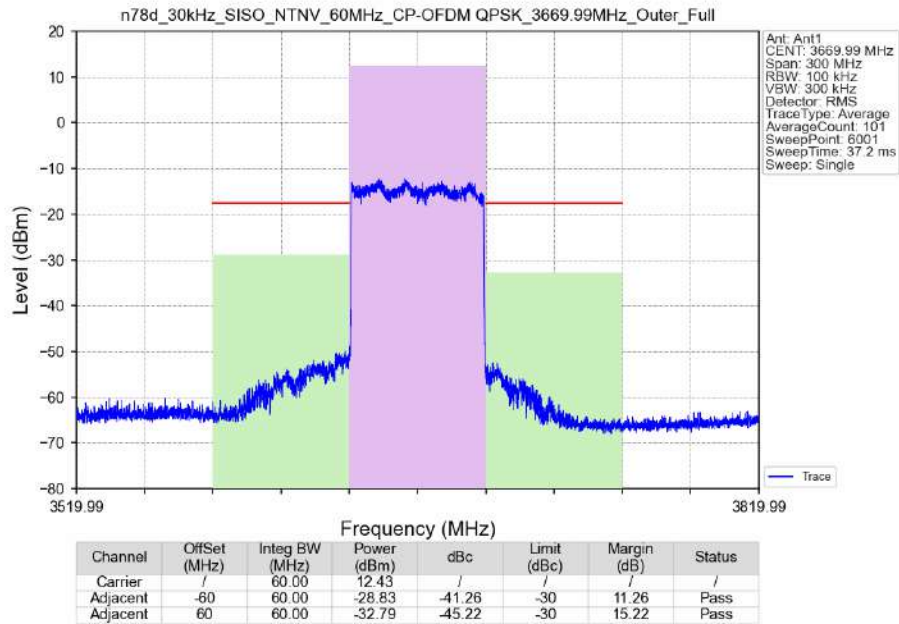
n78d 30kHz SISO NTV 60MHz CP-OFDM QPSK 3580.02MHz Outer Full



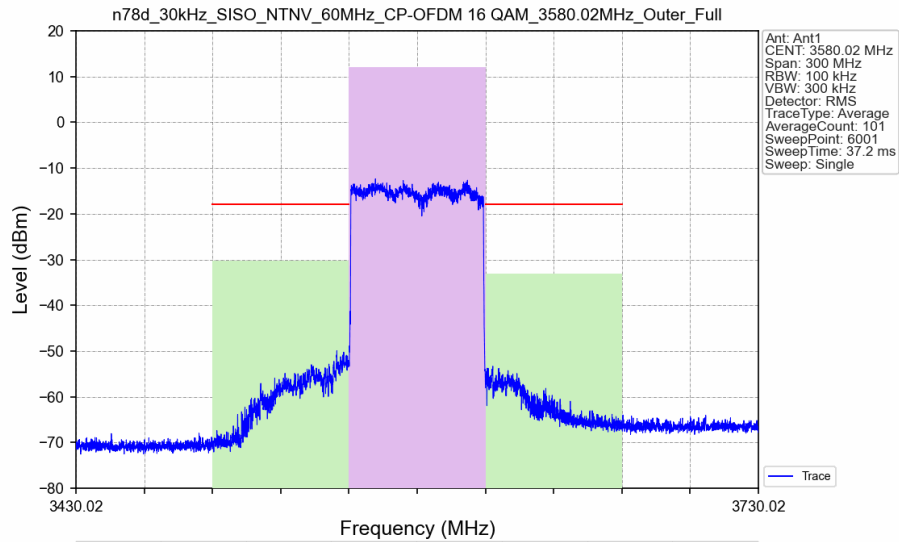
n78d 30kHz SISO NTN 60MHz CP-OFDM QPSK 3624.99MHz Outer Full



n78d 30kHz SISO NTN 60MHz CP-OFDM QPSK 3669.99MHz Outer Full

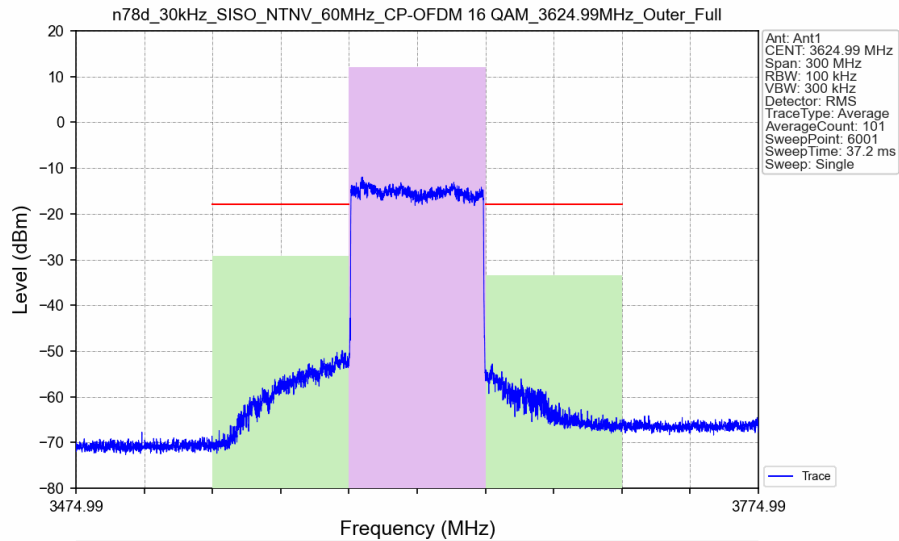


n78d 30kHz SISO NTN 60MHz CP-OFDM 16 QAM 3580.02MHz Outer Full



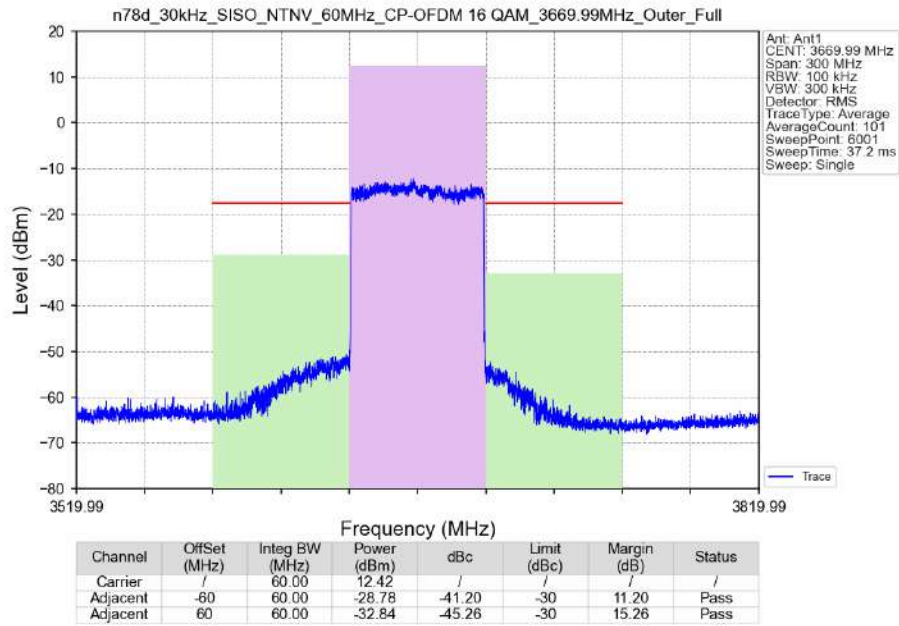
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	60.00	12.11	/	/	/	/
Adjacent	-60	60.00	-30.23	-42.34	-30	12.34	Pass
Adjacent	60	60.00	-33.03	-45.14	-30	15.14	Pass

n78d 30kHz SISO NTN 60MHz CP-OFDM 16 QAM 3624.99MHz Outer Full

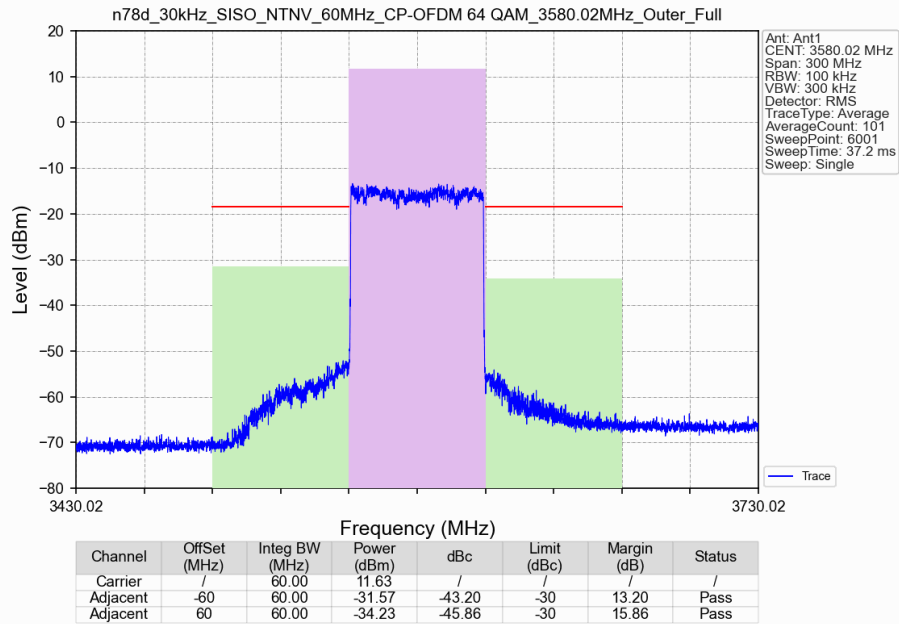


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	60.00	12.12	/	/	/	/
Adjacent	-60	60.00	-29.29	-41.41	-30	11.41	Pass
Adjacent	60	60.00	-33.38	-45.50	-30	15.50	Pass

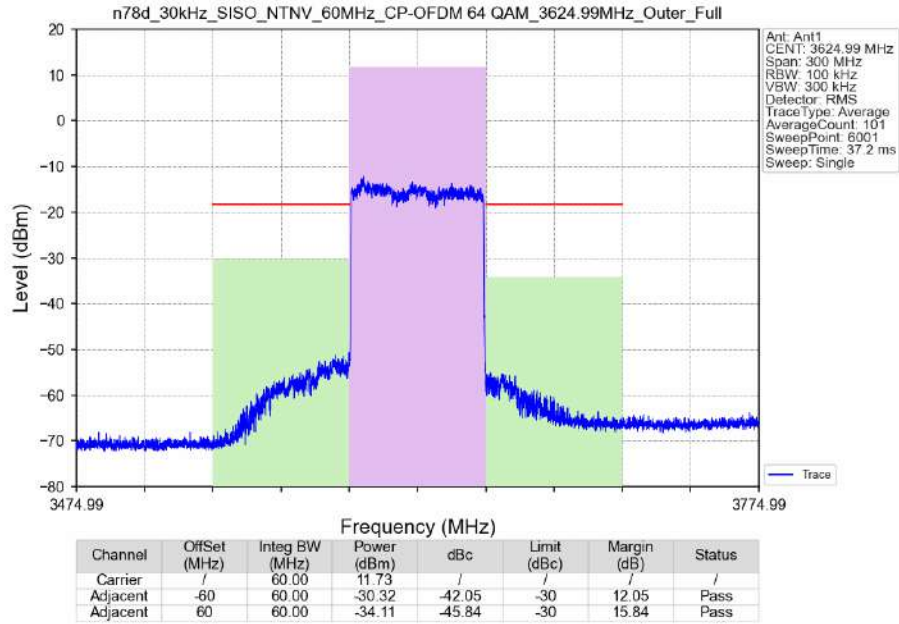
n78d 30kHz SISO NTN 60MHz CP-OFDM 16 QAM 3669.99MHz Outer Full



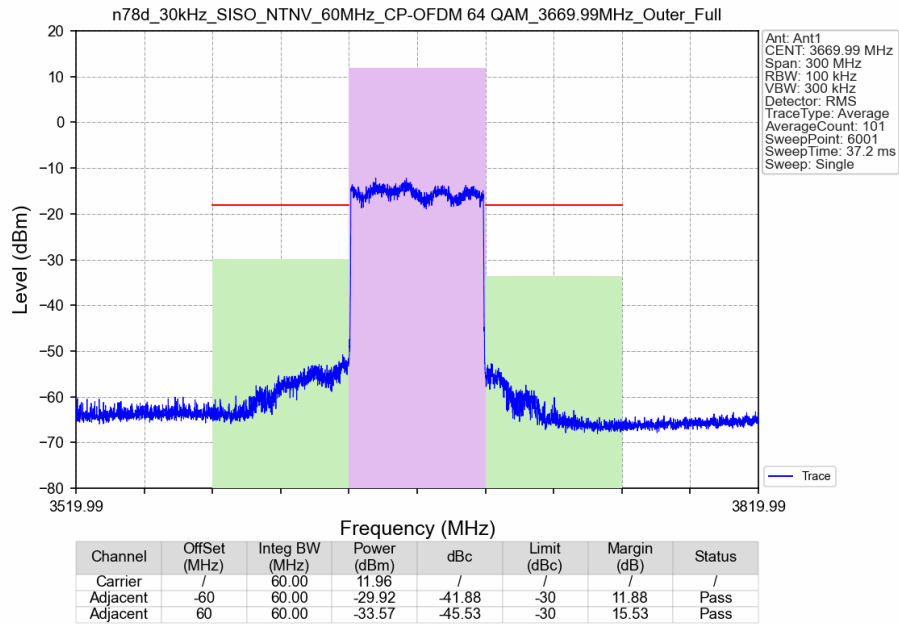
n78d 30kHz SISO NTN 60MHz CP-OFDM 64 QAM 3580.02MHz Outer Full



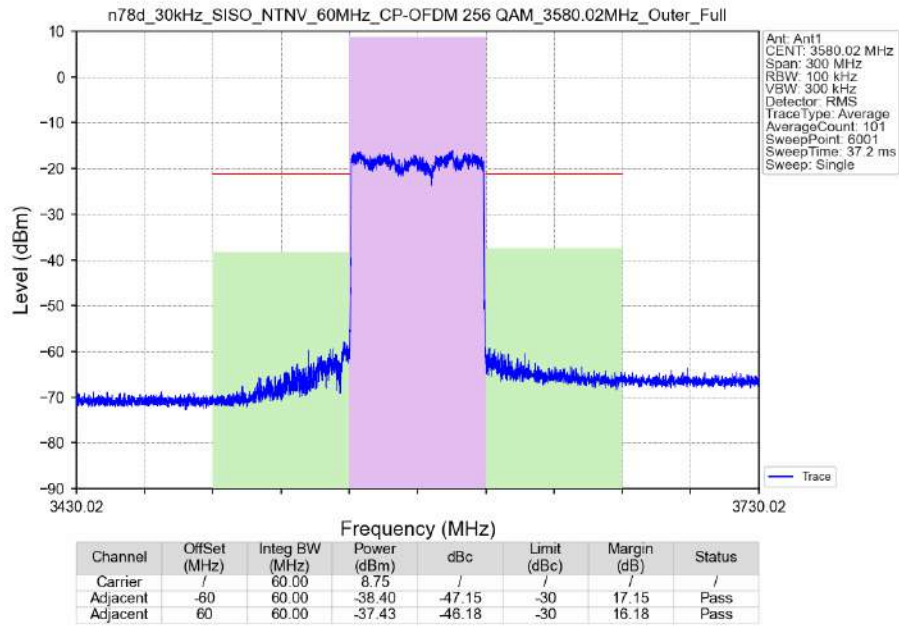
n78d 30kHz SISO NTN 60MHz CP-OFDM 64 QAM 3624.99MHz Outer Full



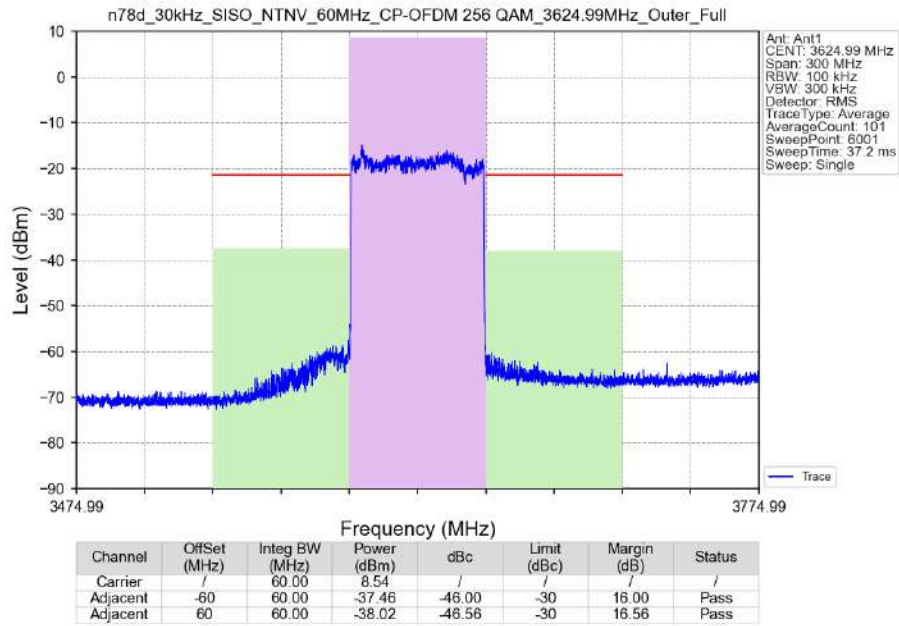
n78d 30kHz SISO NTN 60MHz CP-OFDM 64 QAM 3669.99MHz Outer Full



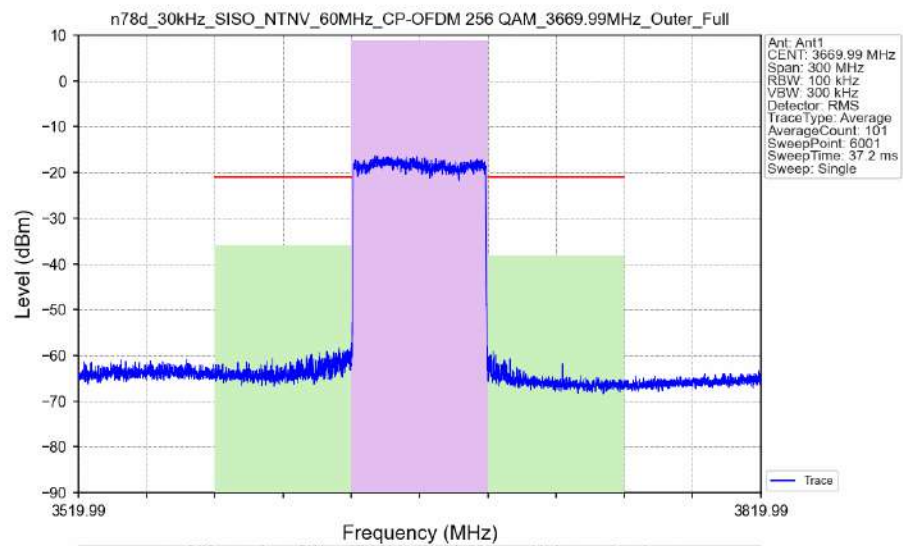
n78d 30kHz SISO NTN 60MHz CP-OFDM 256 QAM 3580.02MHz Outer Full



n78d 30kHz SISO NTN 60MHz CP-OFDM 256 QAM 3624.99MHz Outer Full



n78d 30kHz SISO NTN 60MHz CP-OFDM 256 QAM 3669.99MHz Outer Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	60.00	8.93	/	/	/	/
Adjacent	-60	60.00	-35.83	-44.76	-30	14.76	Pass
Adjacent	60	60.00	-38.12	-47.05	-30	17.05	Pass

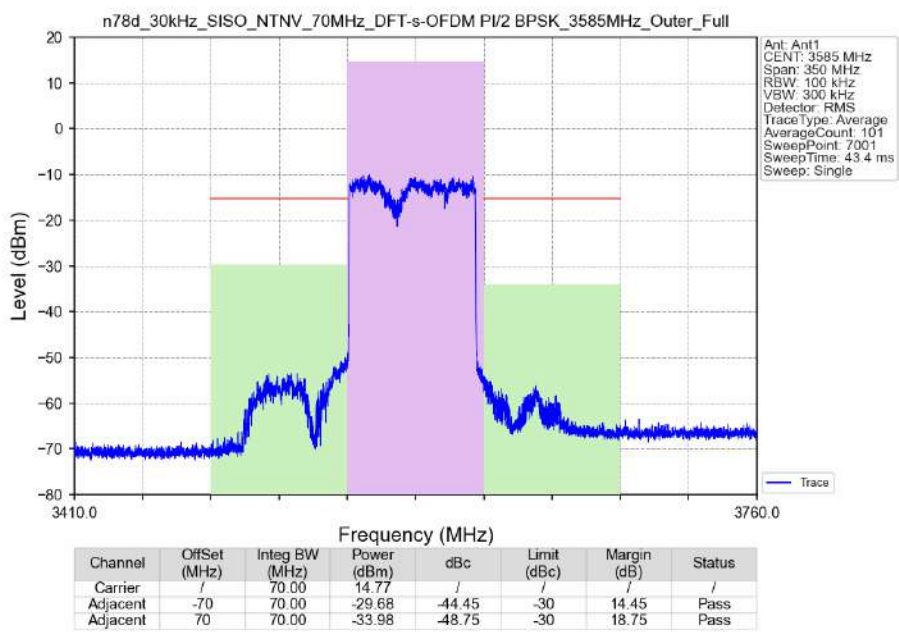
6.6 30k_SISO_70MHz_NTNV

6.6.1 Test Result

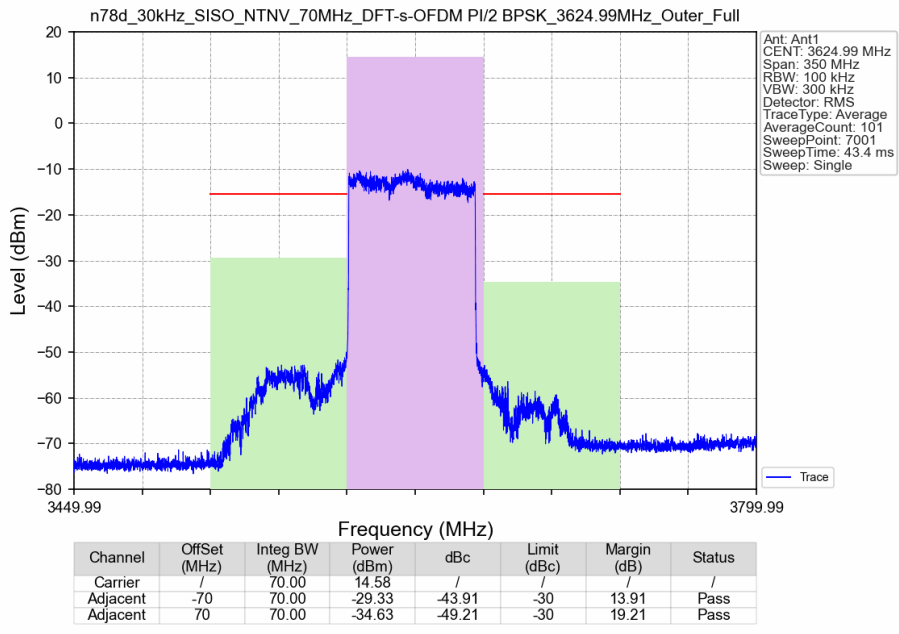
5G NR n78d SCS=30kHz SISO 70MHz NTN					
Modulation	Frequency (MHz)	RB Allocation	Adjacent Channel Leakage Ratio		Verdict
			Result	Limit	
DFT-s-OFDM PI/2 BPSK	3585	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3664.98	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM QPSK	3585	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3664.98	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 16 QAM	3585	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3664.98	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 64 QAM	3585	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3664.98	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 256 QAM	3585	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3664.98	Outer_Full	Refer To Test Graph		Pass
CP-OFDM QPSK	3585	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3664.98	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 16 QAM	3585	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3664.98	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 64 QAM	3585	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3664.98	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 256 QAM	3585	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3664.98	Outer_Full	Refer To Test Graph		Pass

6.6.2 Test Graph

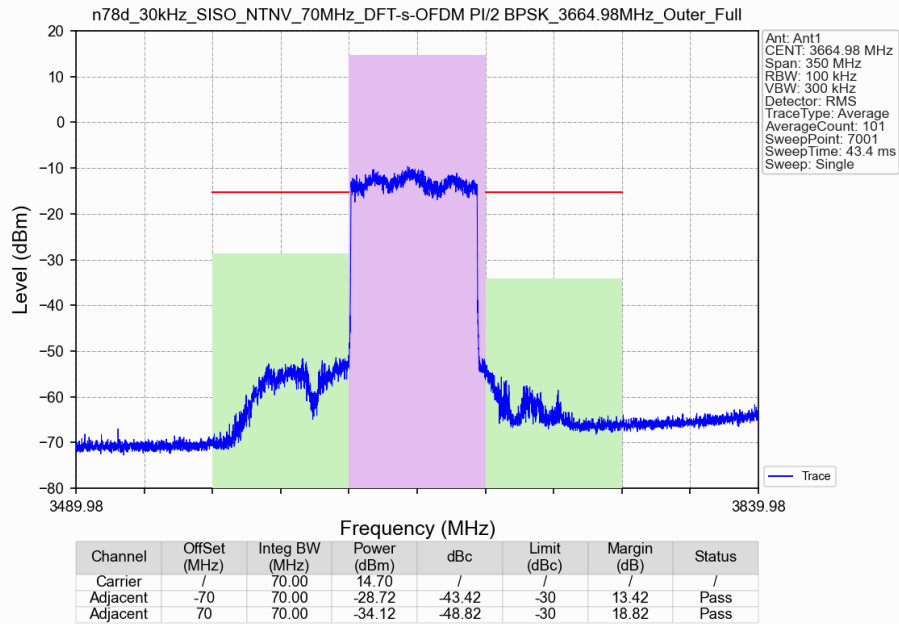
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3585MHz_Outer_Full



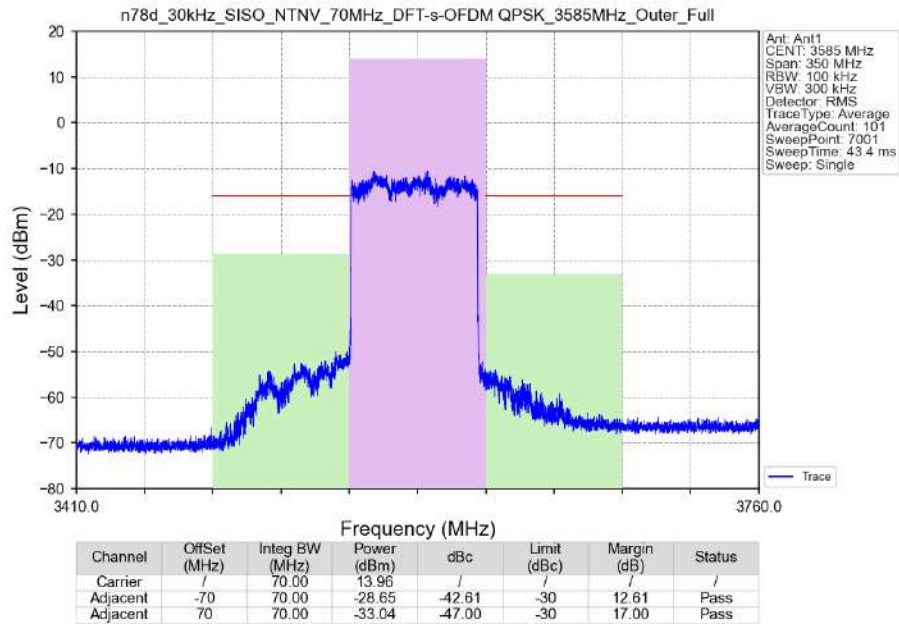
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



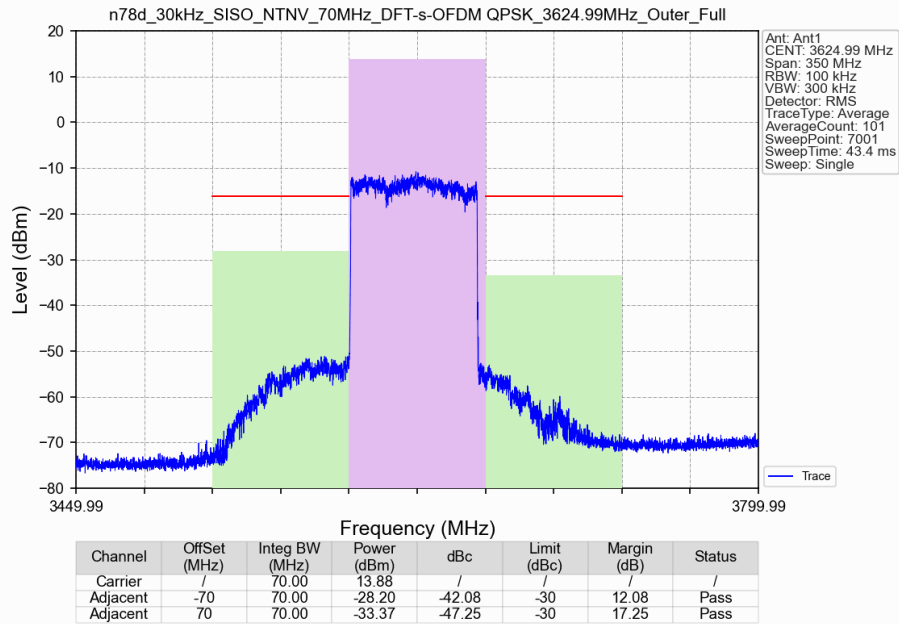
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM PI/2 BPSK 3664.98MHz Outer Full



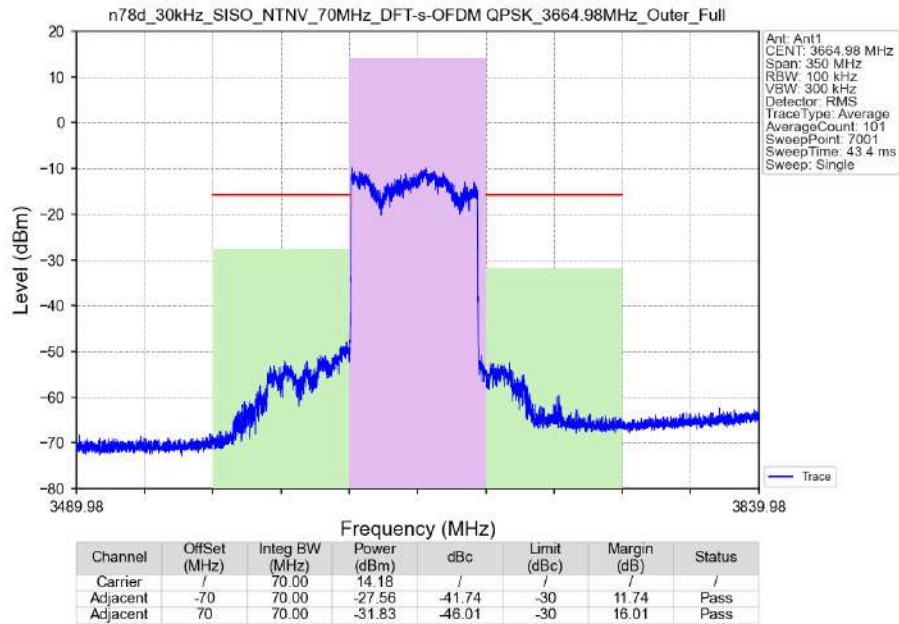
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM QPSK 3585MHz Outer Full



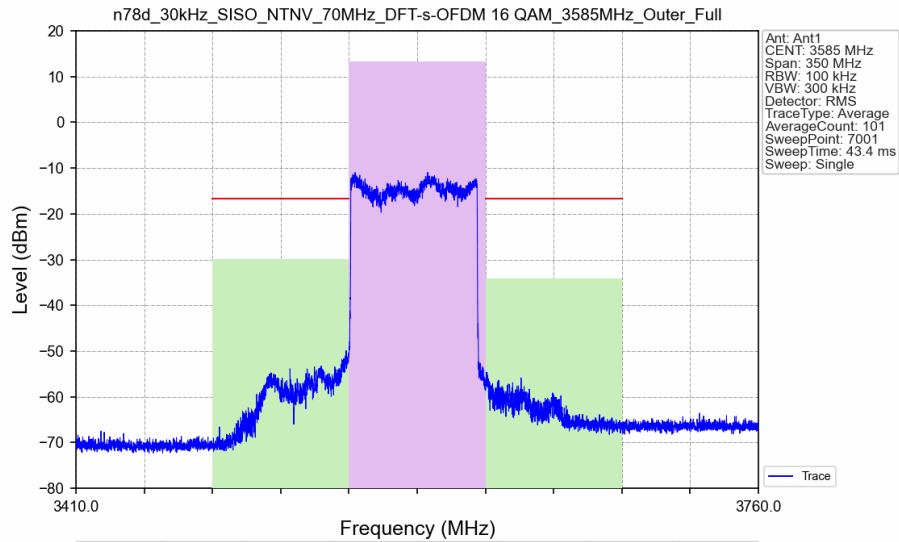
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM QPSK 3624.99MHz Outer Full



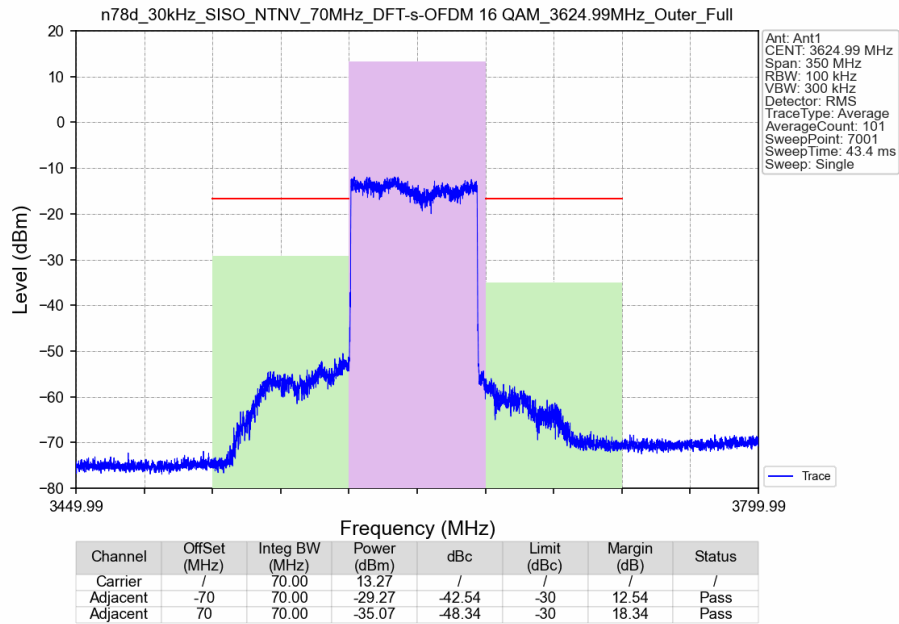
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM QPSK 3664.98MHz Outer Full



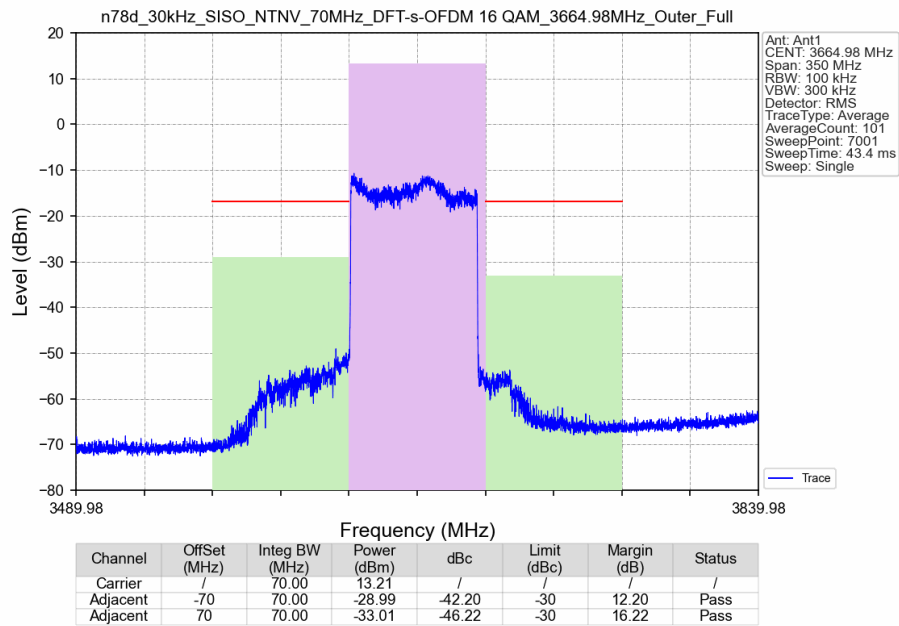
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM 16 QAM 3585MHz Outer Full



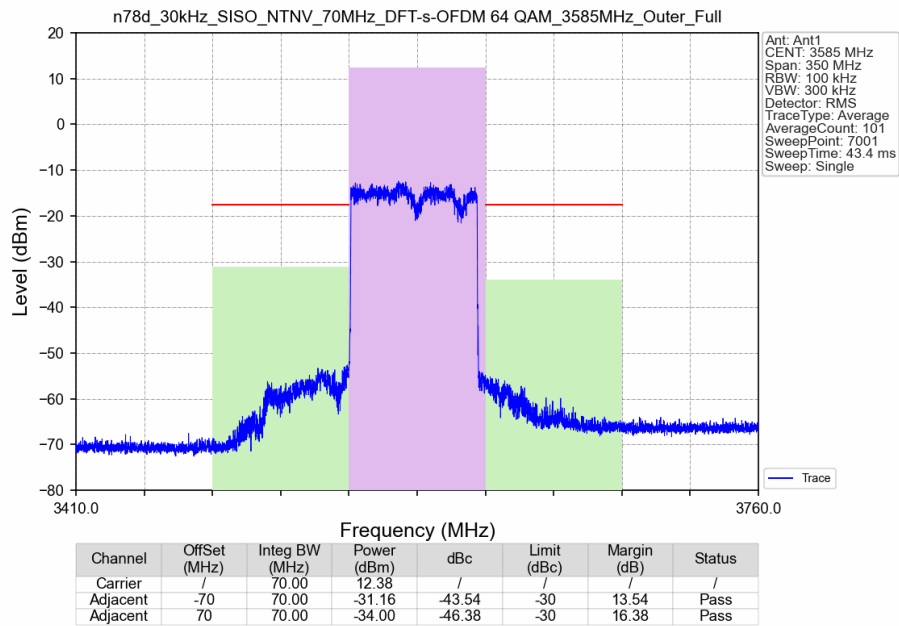
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM 16 QAM 3624.99MHz Outer Full



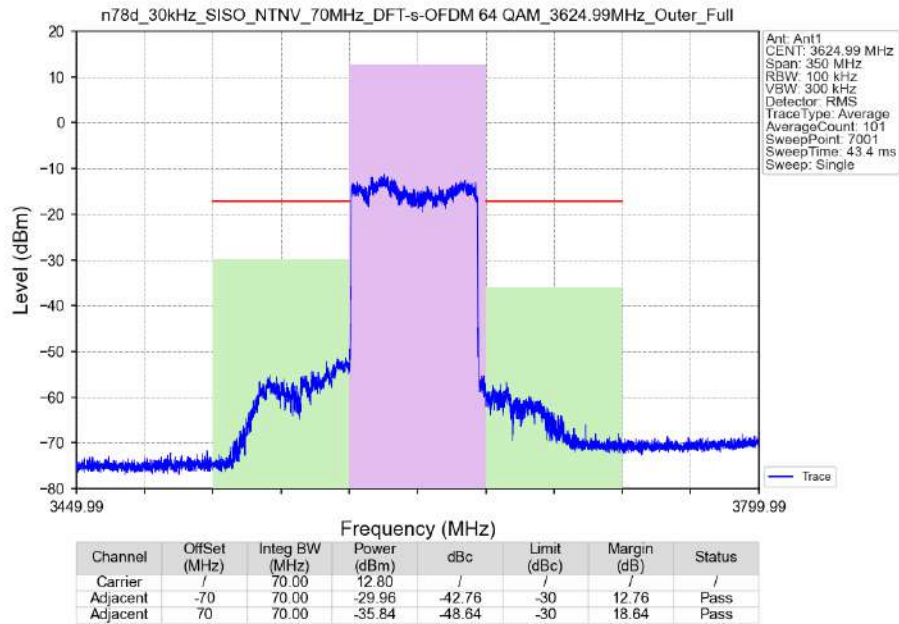
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM 16 QAM 3664.98MHz Outer Full



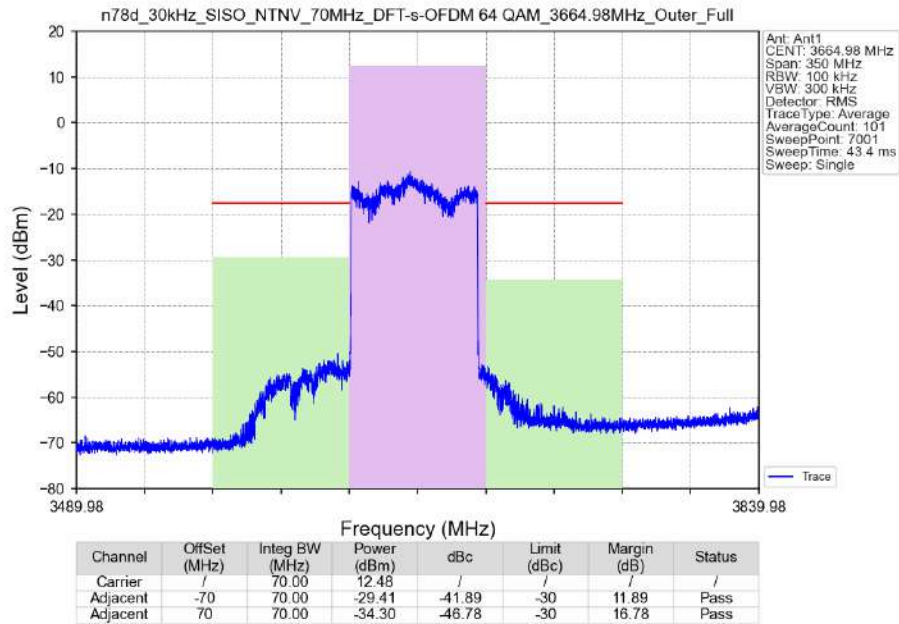
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM 64 QAM 3585MHz Outer Full



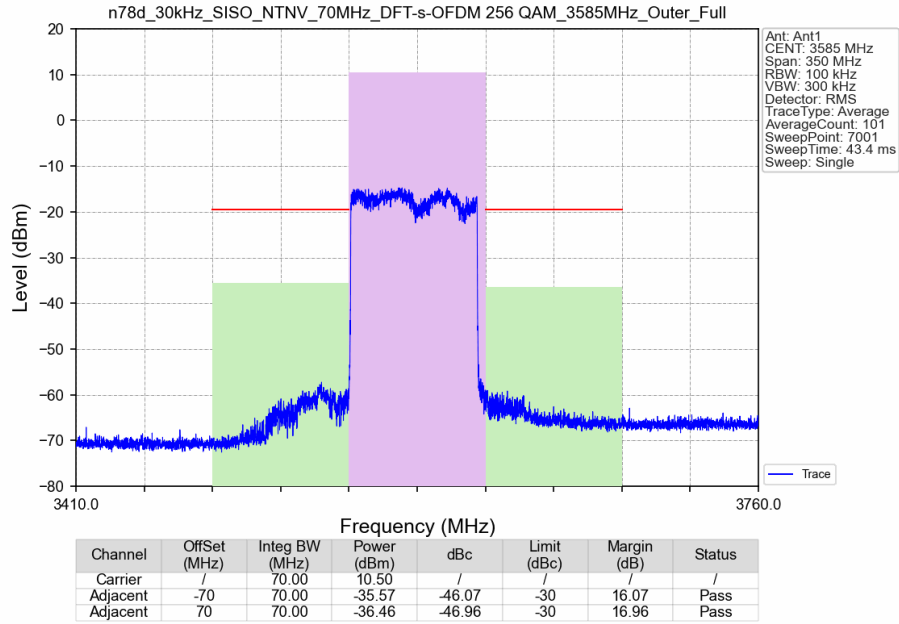
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM 64 QAM 3624.99MHz Outer Full



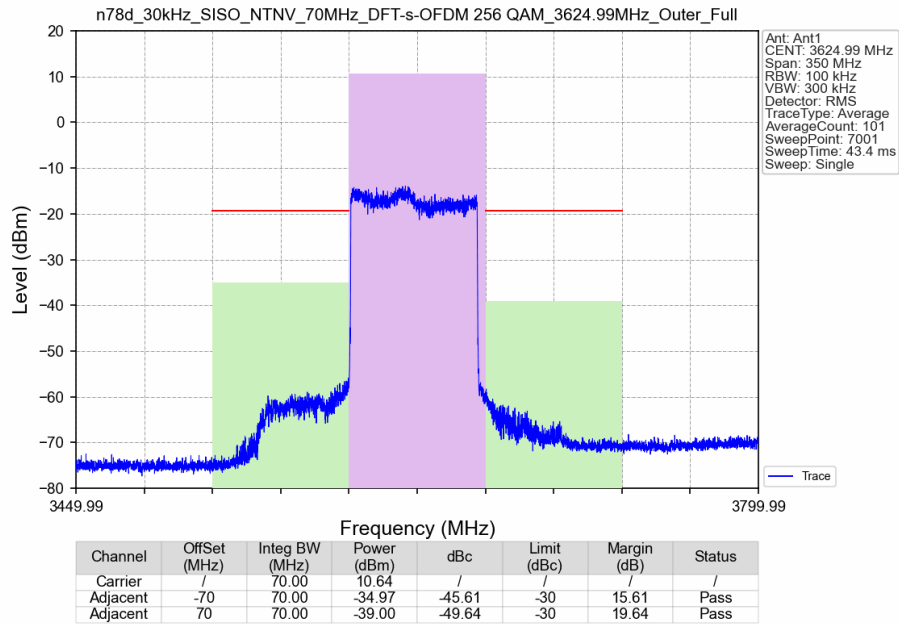
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM 64 QAM 3664.98MHz Outer Full



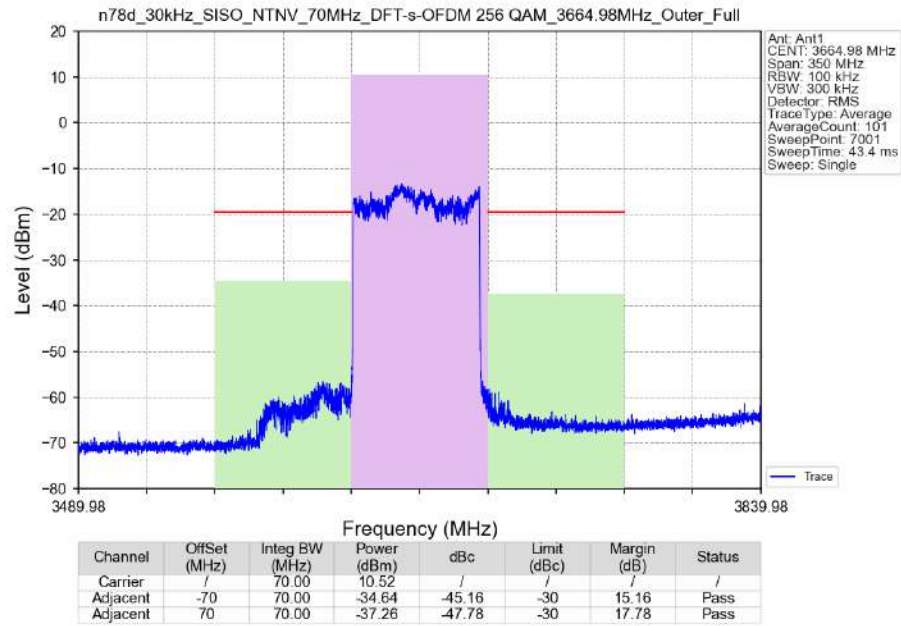
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM 256 QAM 3585MHz Outer Full



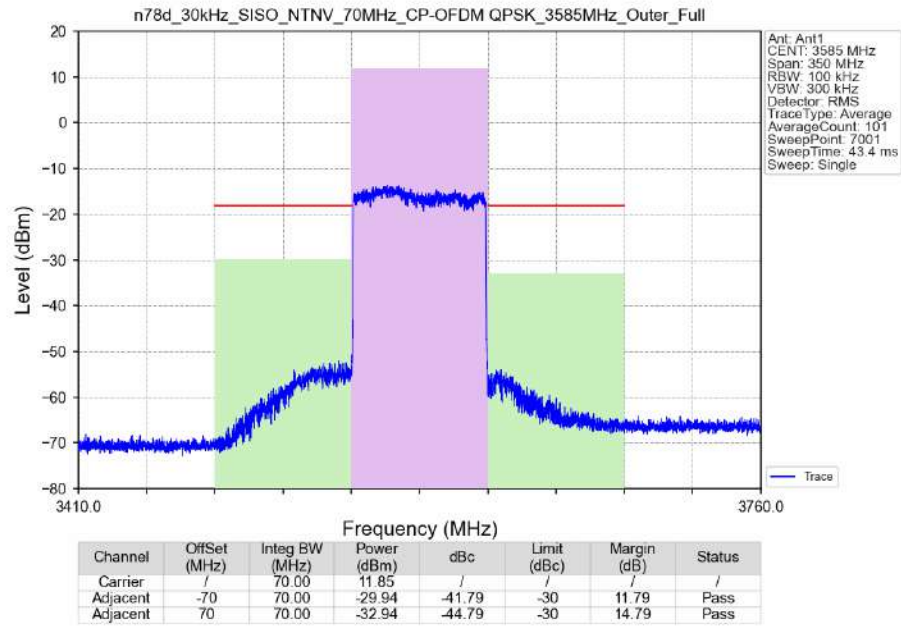
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM 256 QAM 3624.99MHz Outer Full



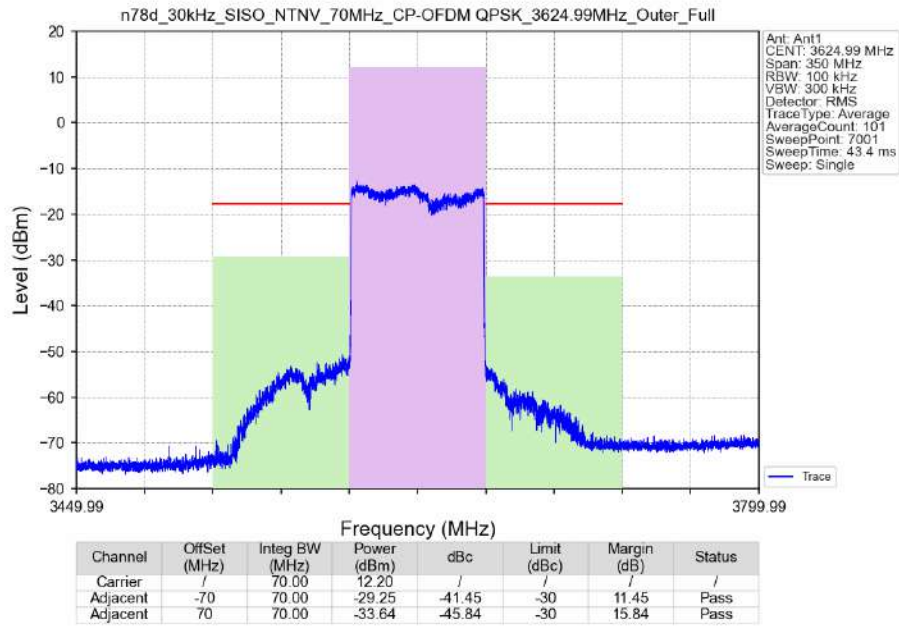
n78d 30kHz SISO NTN 70MHz DFT-s-OFDM 256 QAM 3664.98MHz Outer Full



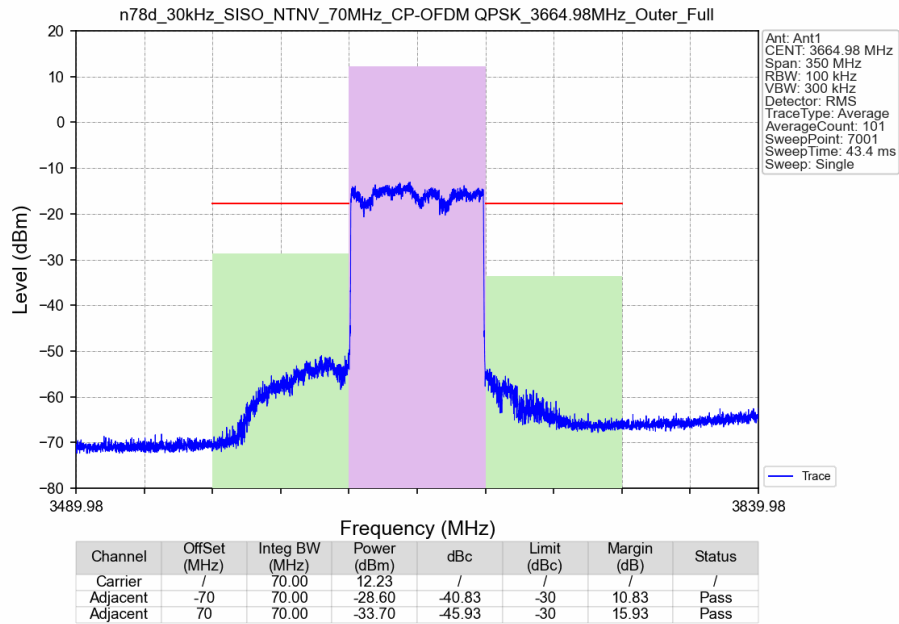
n78d 30kHz SISO NTN 70MHz CP-OFDM QPSK 3585MHz Outer Full



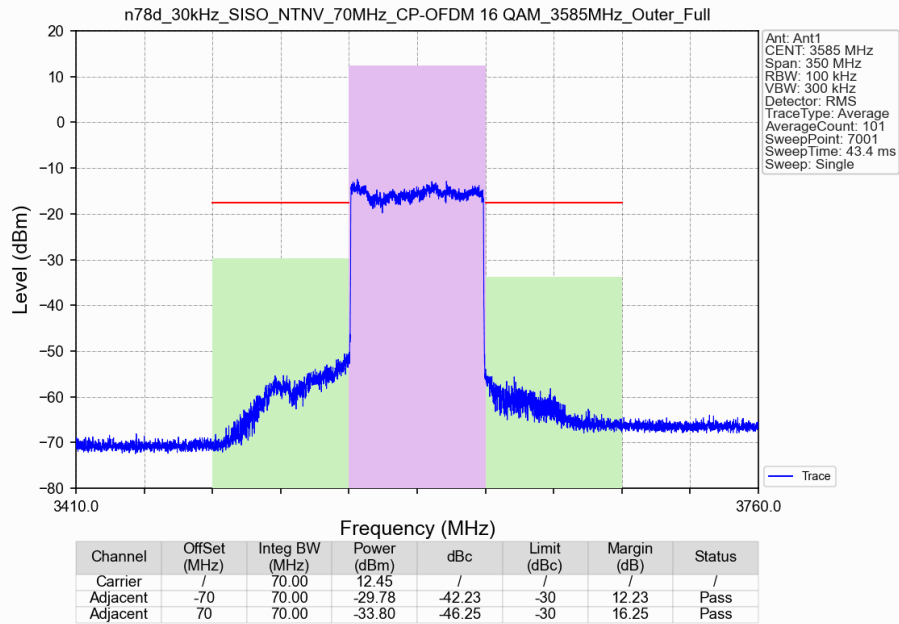
n78d 30kHz SISO NTN 70MHz CP-OFDM QPSK 3624.99MHz Outer Full



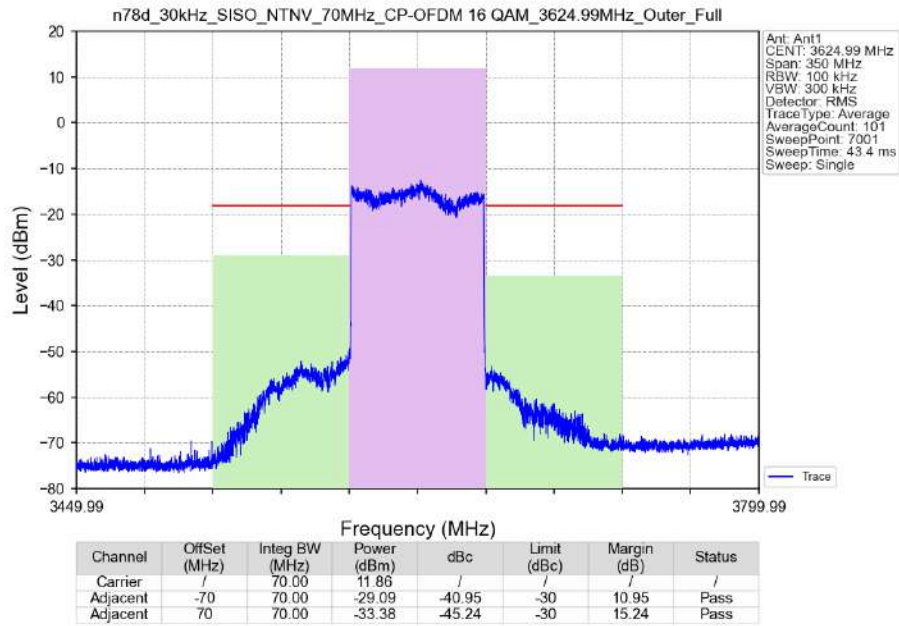
n78d 30kHz SISO NTN 70MHz CP-OFDM QPSK 3664.98MHz Outer Full



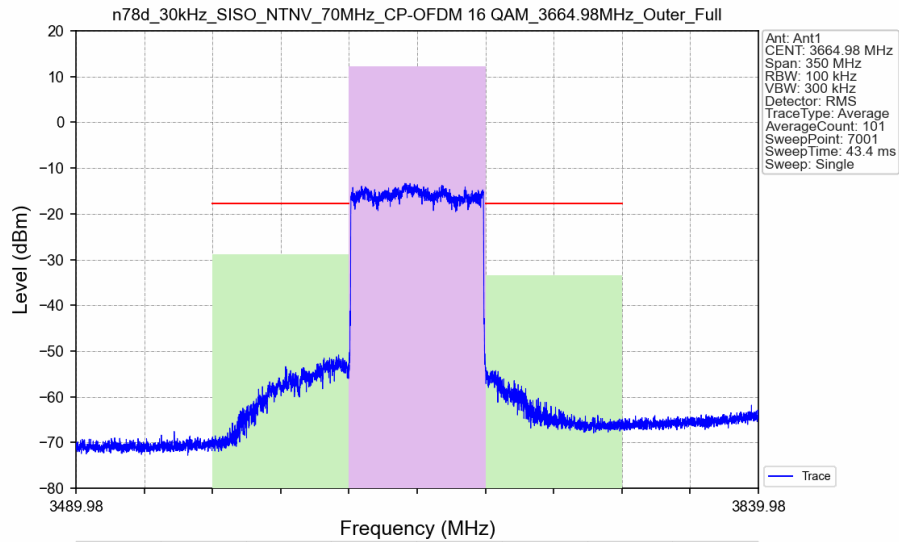
n78d 30kHz SISO NTN 70MHz CP-OFDM 16 QAM 3585MHz Outer Full



n78d 30kHz SISO NTN 70MHz CP-OFDM 16 QAM 3624.99MHz Outer Full

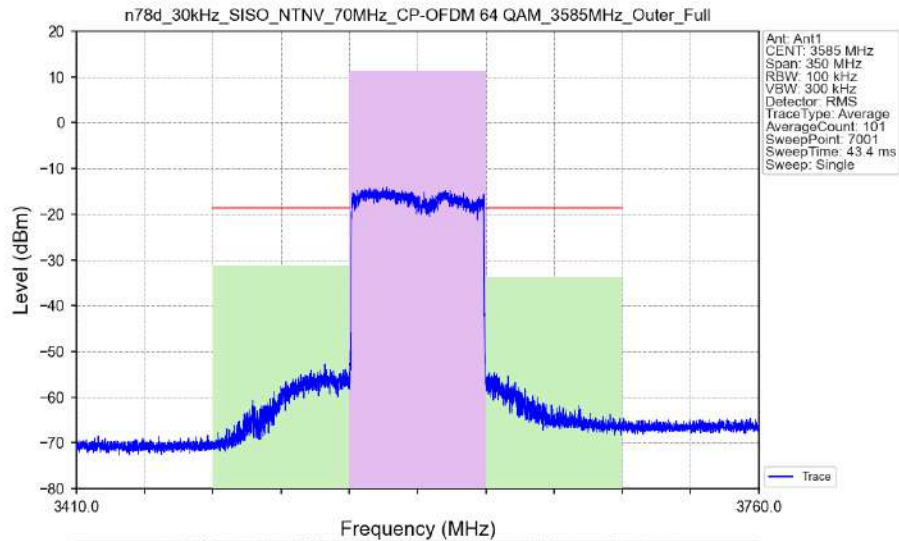


n78d 30kHz SISO NTN 70MHz CP-OFDM 16 QAM 3664.98MHz Outer Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	70.00	12.17	/	/	/	/
Adjacent	-70	70.00	-28.83	-41.00	-30	11.00	Pass
Adjacent	70	70.00	-33.41	-45.58	-30	15.58	Pass

n78d 30kHz SISO NTN 70MHz CP-OFDM 64 QAM 3585MHz Outer Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	70.00	11.35	/	/	/	/
Adjacent	-70	70.00	-31.18	-42.53	-30	12.53	Pass
Adjacent	70	70.00	-33.81	-45.16	-30	15.16	Pass