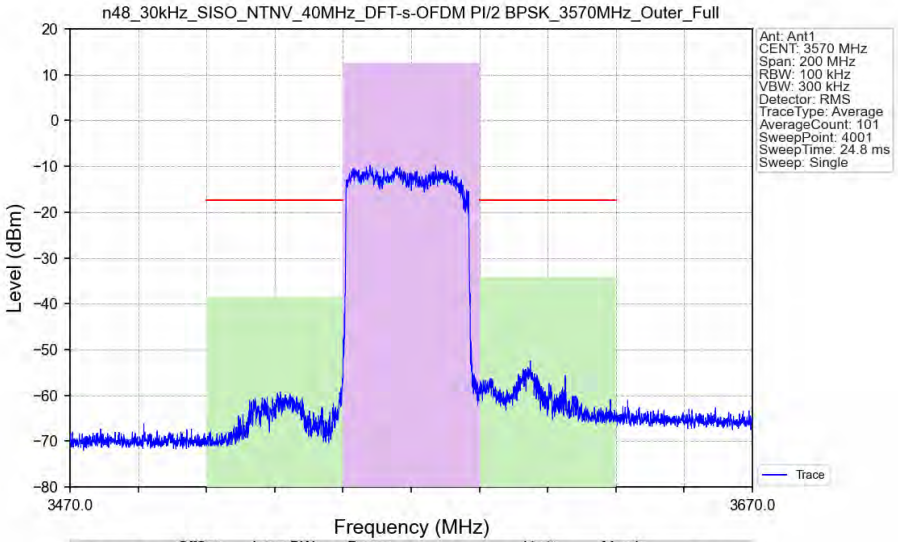
6.3.2 Test Graph

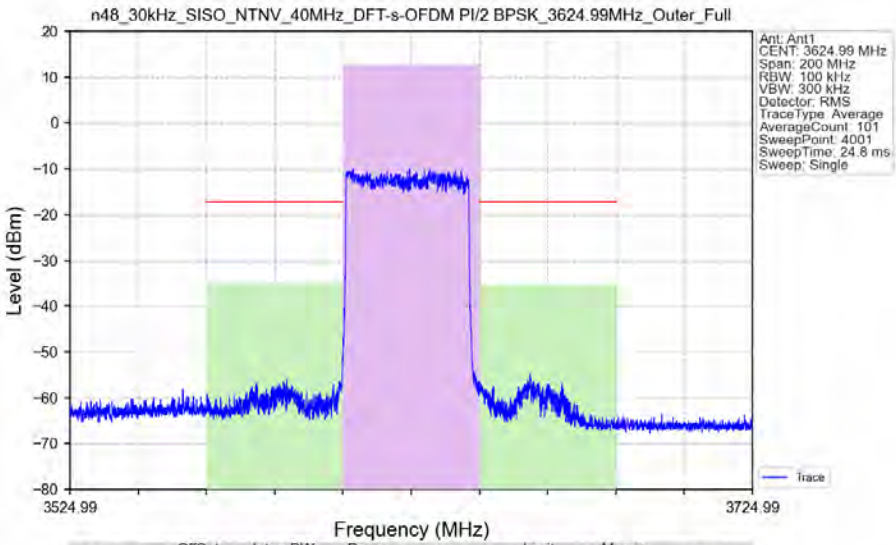
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3570MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.63	/	/	/	/
Adjacent	-40	40.00	-38.60	-51.23	-30	21.23	Pass
Adjacent	40	40.00	-34.19	-46.82	-30	16.82	Pass

n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.84	/	/	/	/
Adjacent	-40	40.00	-34.88	-47.72	-30	17.72	Pass
Adjacent	40	40.00	-35.43	-48.27	-30	18.27	Pass

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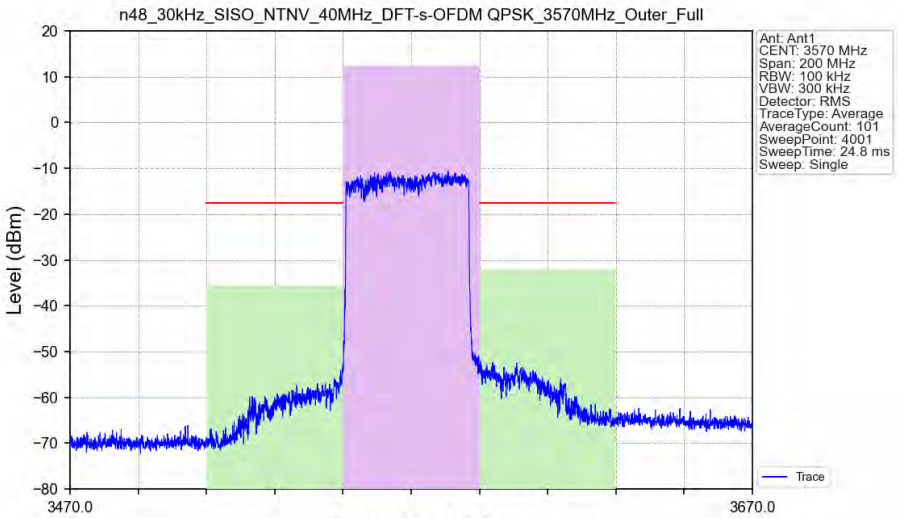
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3679.98MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	13.21	/	/	/	/
Adjacent	-40	40.00	-36.97	-50.18	-30	20.18	Pass
Adjacent	40	40.00	-38.05	-51.26	-30	21.26	Pass

n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3570MHz_Outer_Full

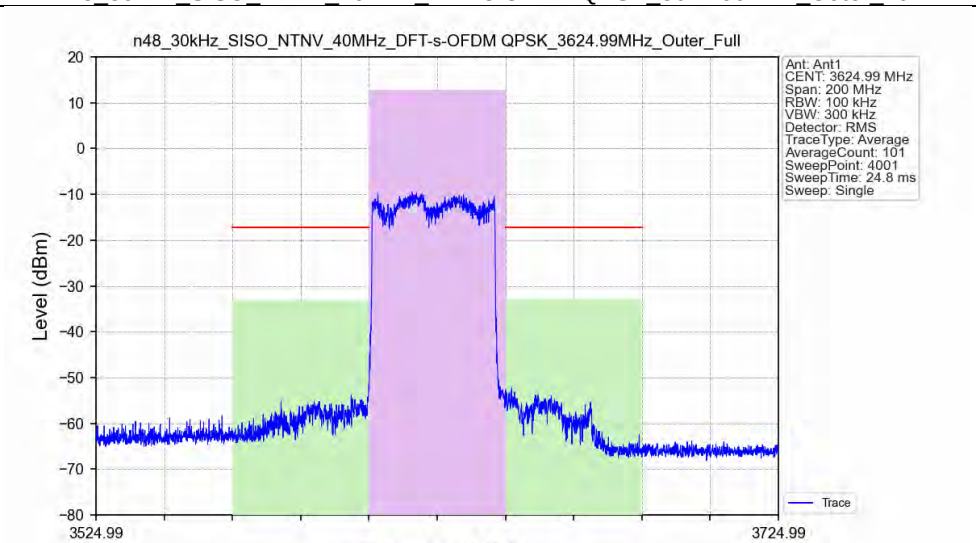
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.35	/	/	/	/
Adjacent	-40	40.00	-35.53	-47.88	-30	17.88	Pass
Adjacent	40	40.00	-32.01	-44.36	-30	14.36	Pass

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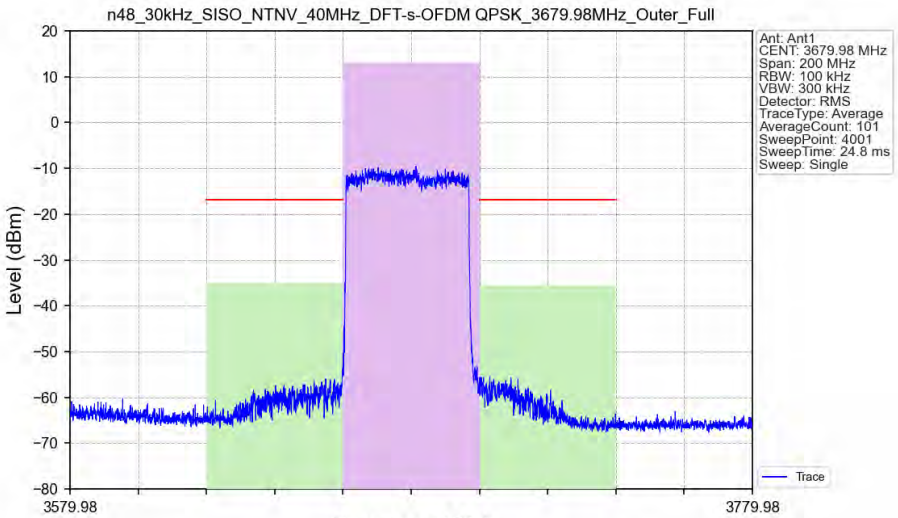
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.74	/	/	/	/
Adjacent	-40	40.00	-33.04	-45.78	-30	15.78	Pass
Adjacent	40	40.00	-32.88	-45.62	-30	15.62	Pass

n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3679.98MHz_Outer_Full

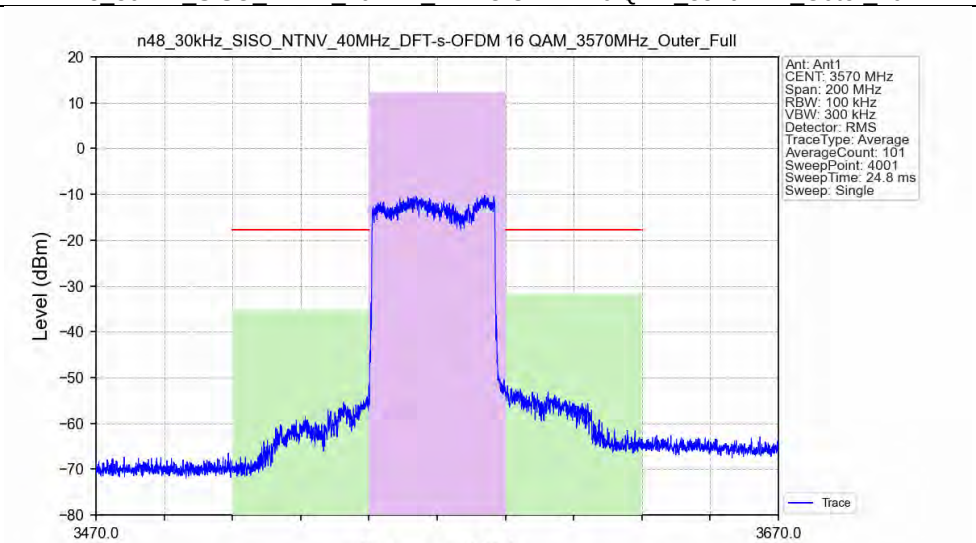
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	13.12	/	/	/	/
Adjacent	-40	40.00	-34.98	-48.10	-30	18.10	Pass
Adjacent	40	40.00	-35.61	-48.73	-30	18.73	Pass

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n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3570MHz_Outer_Full

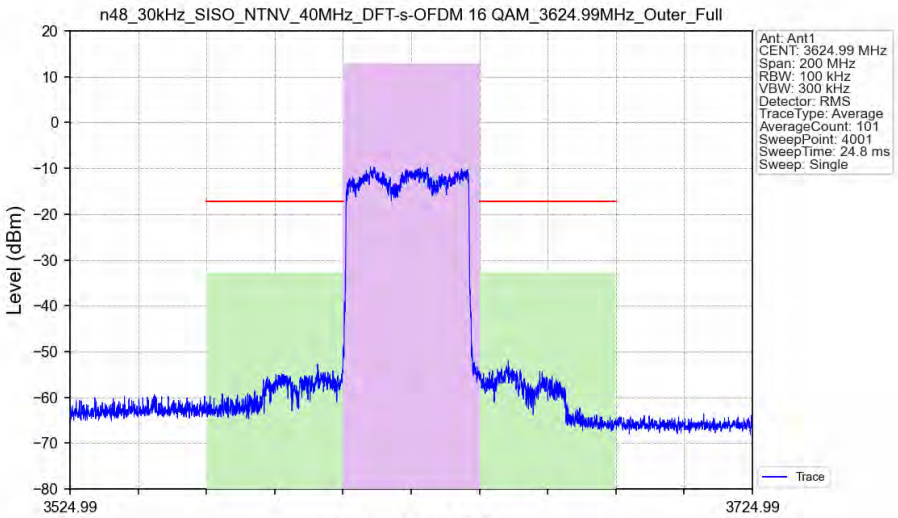


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.24	/	/	/	/
Adjacent	-40	40.00	-35.16	-47.40	-30	17.40	Pass
Adjacent	40	40.00	-31.70	-43.94	-30	13.94	Pass

n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full

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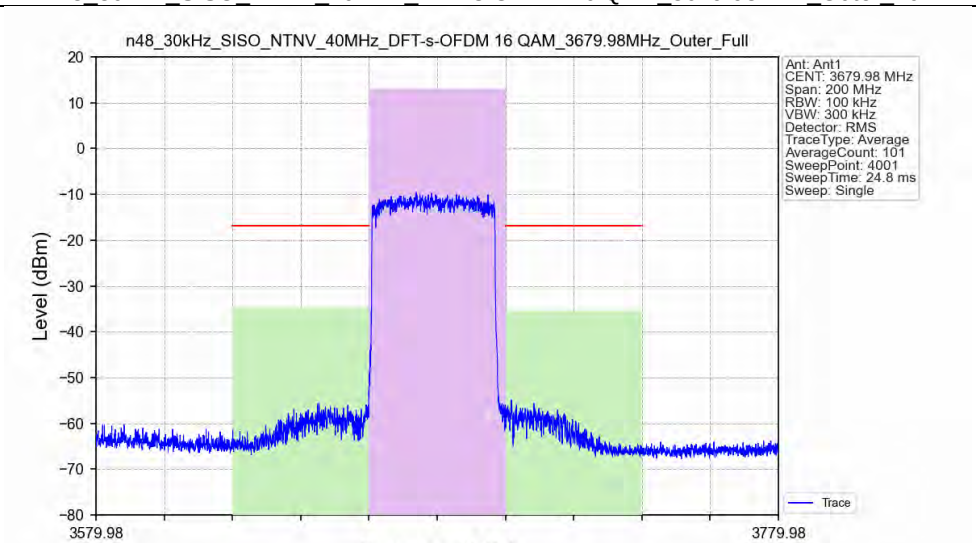
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.86	/	/	/	/
Adjacent	-40	40.00	-32.65	-45.51	-30	15.51	Pass
Adjacent	40	40.00	-32.77	-45.63	-30	15.63	Pass

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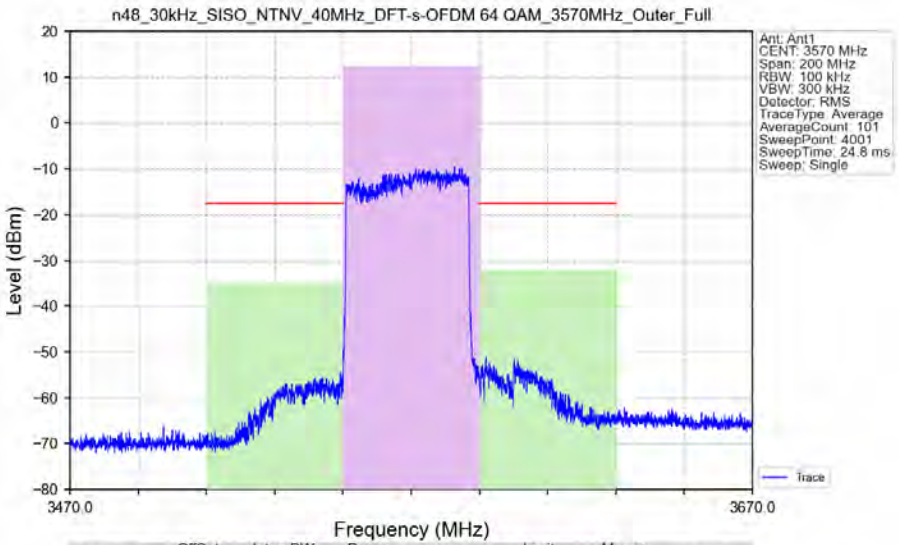
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3679.98MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	13.18	/	/	/	/
Adjacent	-40	40.00	-34.73	-47.91	-30	17.91	Pass
Adjacent	40	40.00	-35.45	-48.63	-30	18.63	Pass

n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3570MHz_Outer_Full

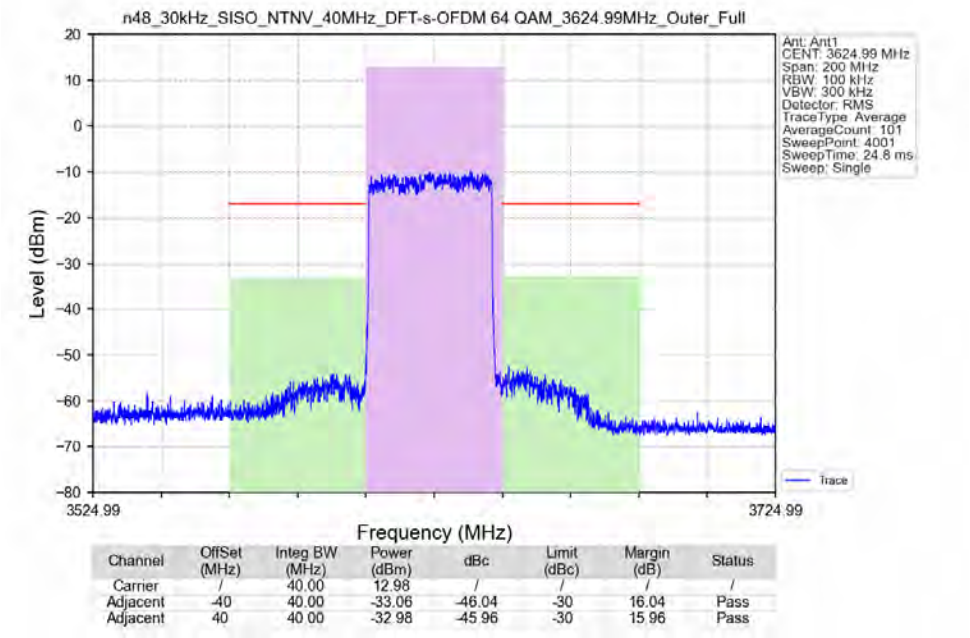
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.43	/	/	/	/
Adjacent	-40	40.00	-34.85	-47.28	-30	17.28	Pass
Adjacent	40	40.00	-32.10	-44.53	-30	14.53	Pass

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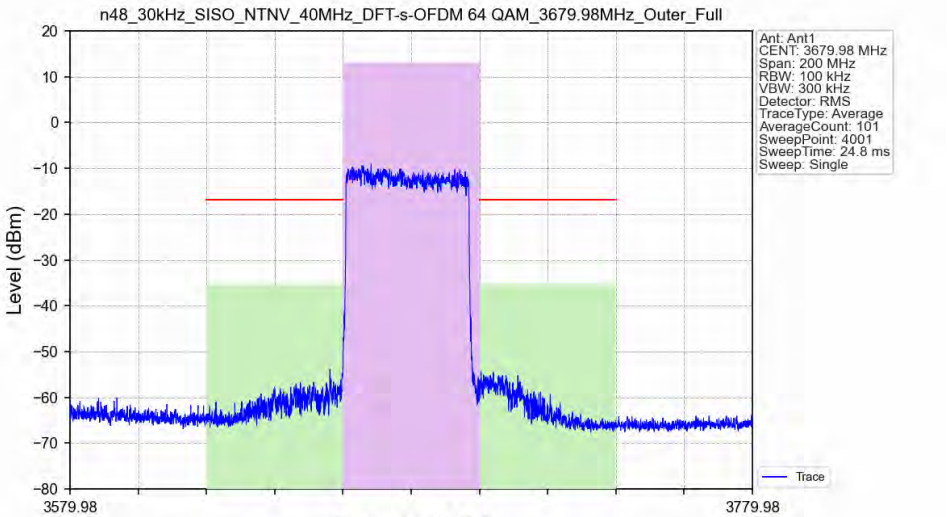
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.98	/	/	/	/
Adjacent	-40	40.00	-33.06	-46.04	-30	16.04	Pass
Adjacent	40	40.00	-32.98	-45.96	-30	15.96	Pass

n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3679.98MHz_Outer_Full

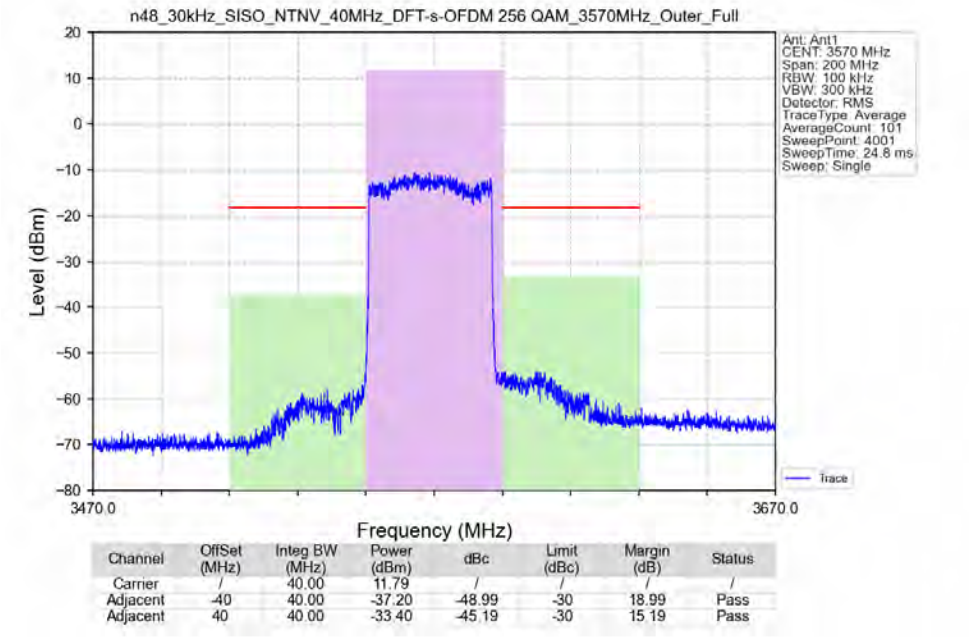
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	13.14	/	/	/	/
Adjacent	-40	40.00	-35.35	-48.49	-30	18.49	Pass
Adjacent	40	40.00	-35.18	-48.32	-30	18.32	Pass

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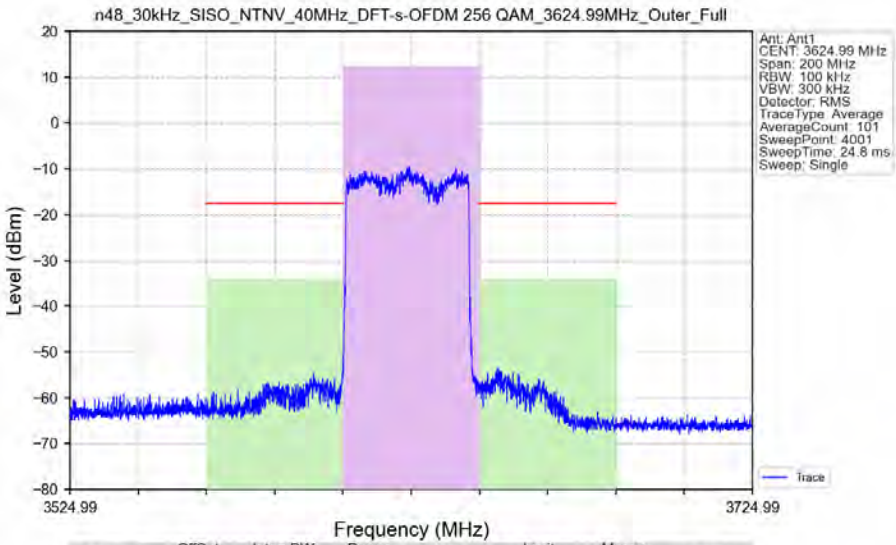
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3570MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	11.79	/	/	/	/
Adjacent	-40	40.00	-37.20	-48.99	-30	18.99	Pass
Adjacent	40	40.00	-33.40	-45.19	-30	15.19	Pass

n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full

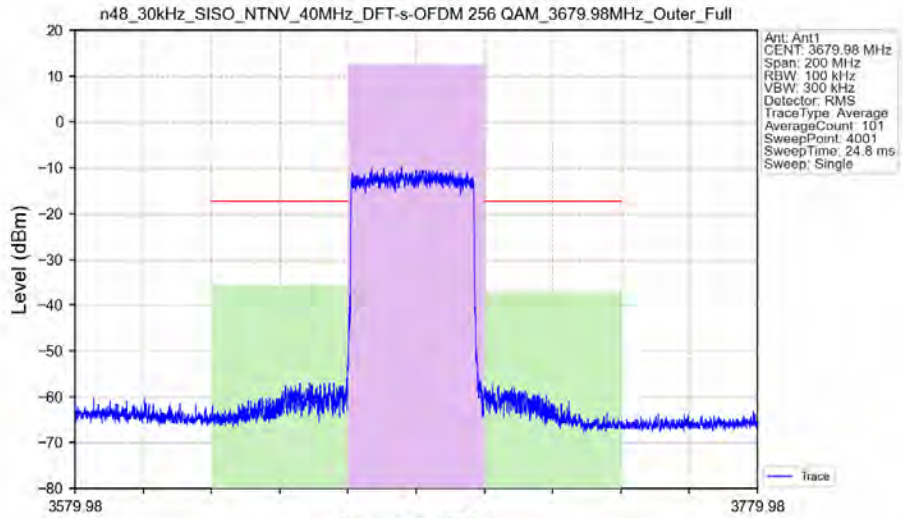
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.42	/	/	/	/
Adjacent	-40	40.00	-34.05	-46.47	-30	16.47	Pass
Adjacent	40	40.00	-34.03	-46.45	-30	16.45	Pass

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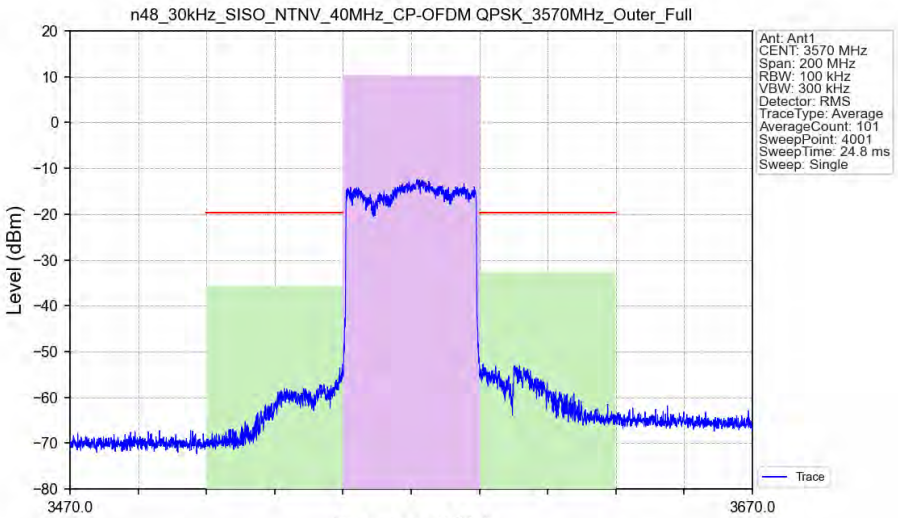
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3679.98MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.68	/	/	/	/
Adjacent	-40	40.00	-35.79	-48.47	-30	18.47	Pass
Adjacent	40	40.00	-37.04	-49.72	-30	19.72	Pass

n48_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Outer_Full

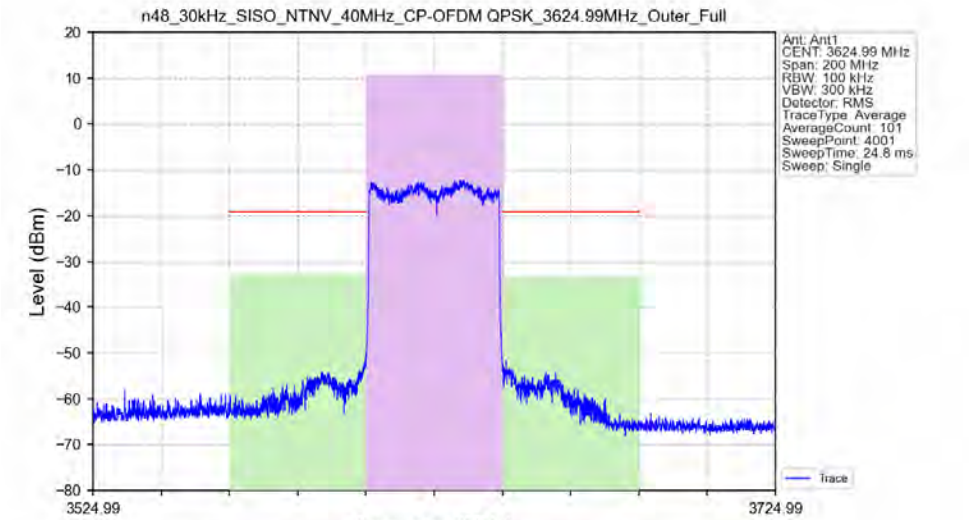
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	10.28	/	/	/	/
Adjacent	-40	40.00	-35.66	-45.94	-30	15.94	Pass
Adjacent	40	40.00	-32.51	-42.79	-30	12.79	Pass

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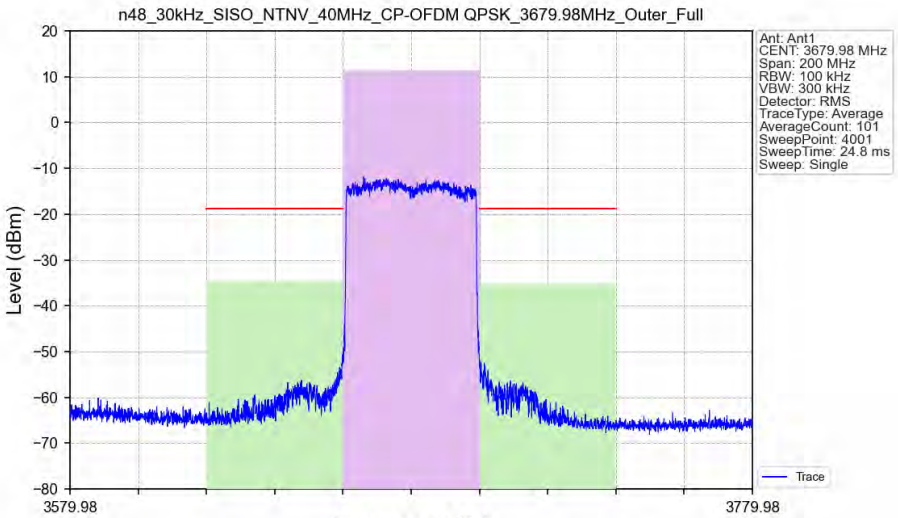
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	10.80	/	/	/	/
Adjacent	-40	40.00	-32.69	-43.49	-30	13.49	Pass
Adjacent	40	40.00	-33.18	-43.98	-30	13.98	Pass

n48_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Outer_Full

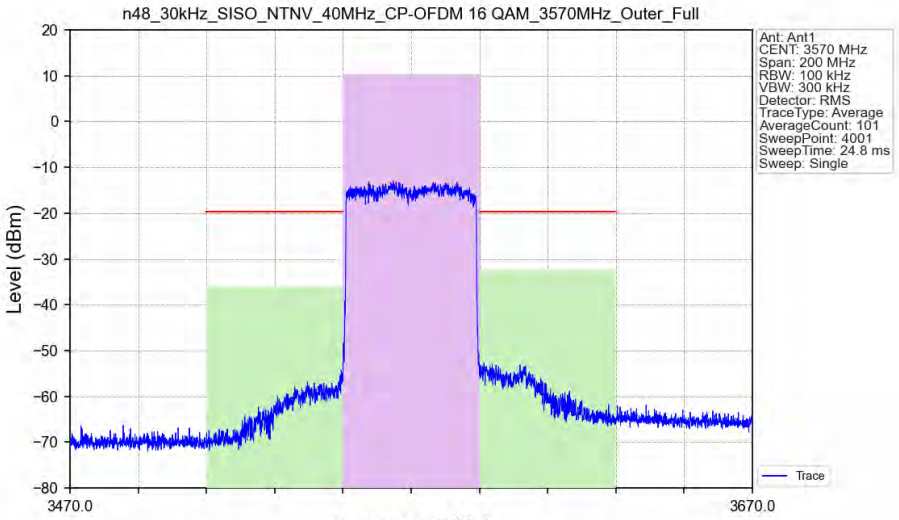
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	11.27	/	/	/	/
Adjacent	-40	40.00	-34.72	-45.99	-30	15.99	Pass
Adjacent	40	40.00	-35.25	-46.52	-30	16.52	Pass

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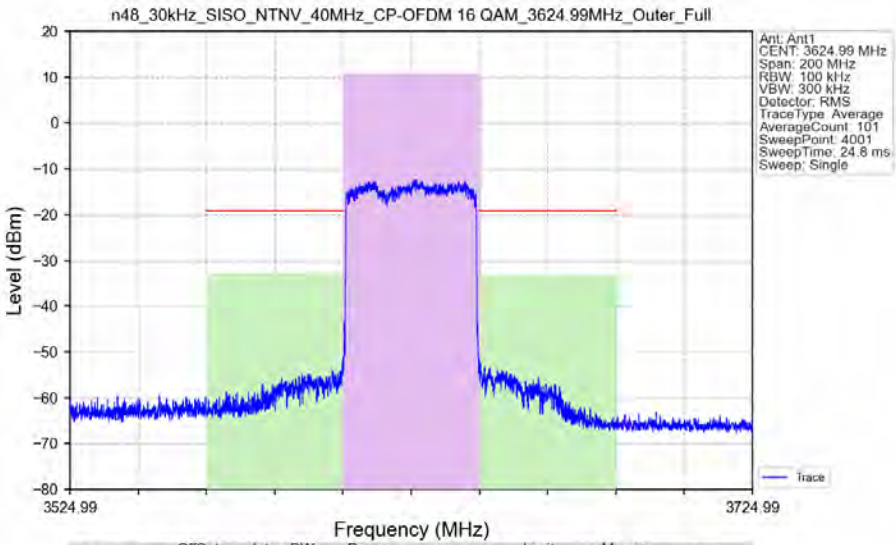
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3570MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	10.30	/	/	/	/
Adjacent	-40	40.00	-36.11	-46.41	-30	16.41	Pass
Adjacent	40	40.00	-32.43	-42.73	-30	12.73	Pass

n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full

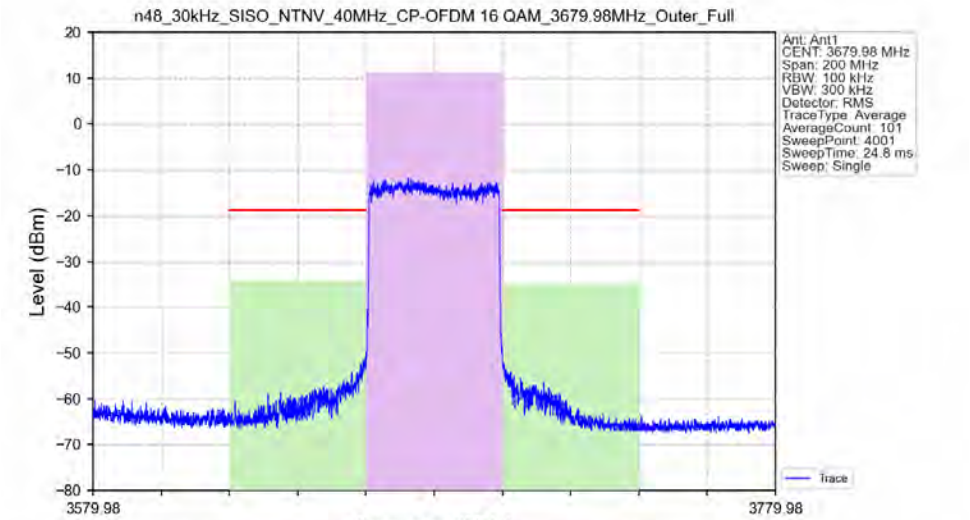
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	10.87	/	/	/	/
Adjacent	-40	40.00	-32.98	-43.85	-30	13.85	Pass
Adjacent	40	40.00	-33.24	-44.11	-30	14.11	Pass

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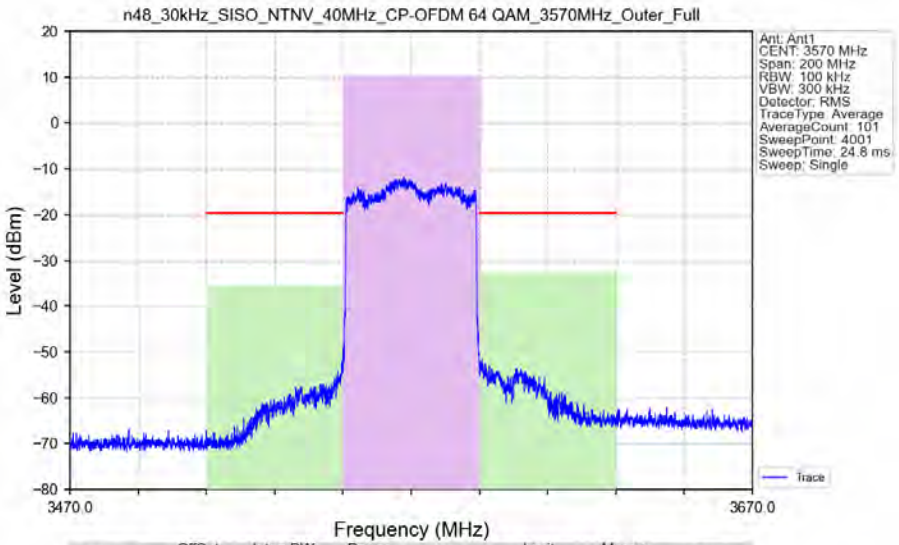
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3679.98MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	11.16	/	/	/	/
Adjacent	-40	40.00	-34.28	-45.44	-30	15.44	Pass
Adjacent	40	40.00	-35.09	-46.25	-30	16.25	Pass

n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3570MHz_Outer_Full

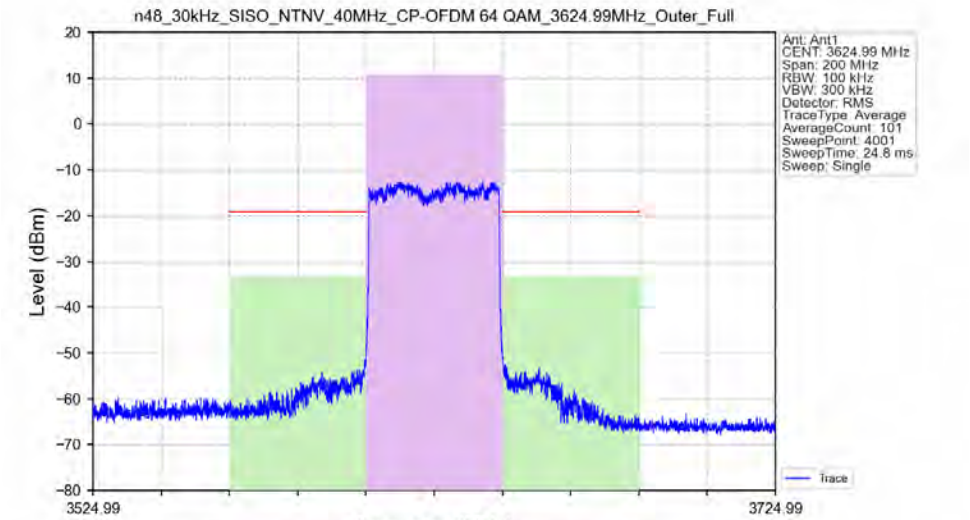
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	10.37	/	/	/	/
Adjacent	-40	40.00	-35.58	-45.95	-30	15.95	Pass
Adjacent	40	40.00	-32.60	-42.97	-30	12.97	Pass

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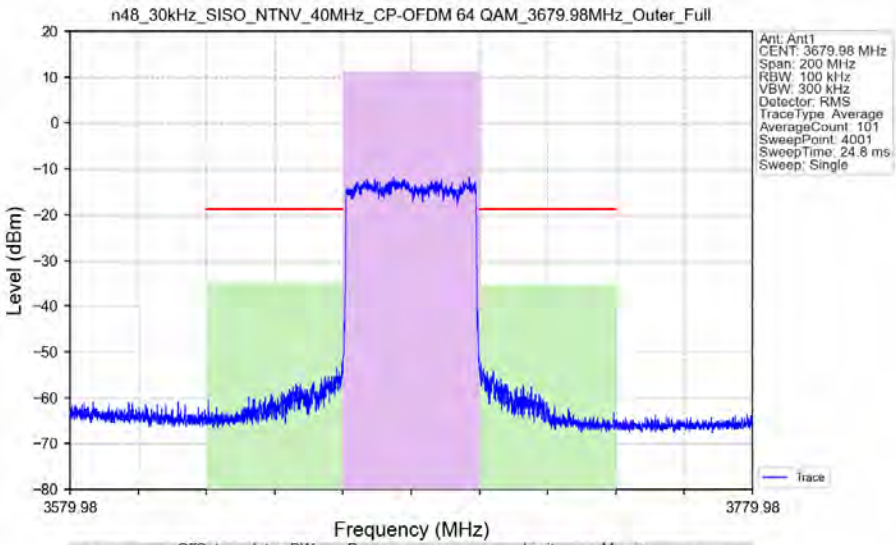
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	10.86	/	/	/	/
Adjacent	-40	40.00	-33.01	-43.87	-30	13.87	Pass
Adjacent	40	40.00	-33.31	-44.17	-30	14.17	Pass

n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3679.98MHz_Outer_Full

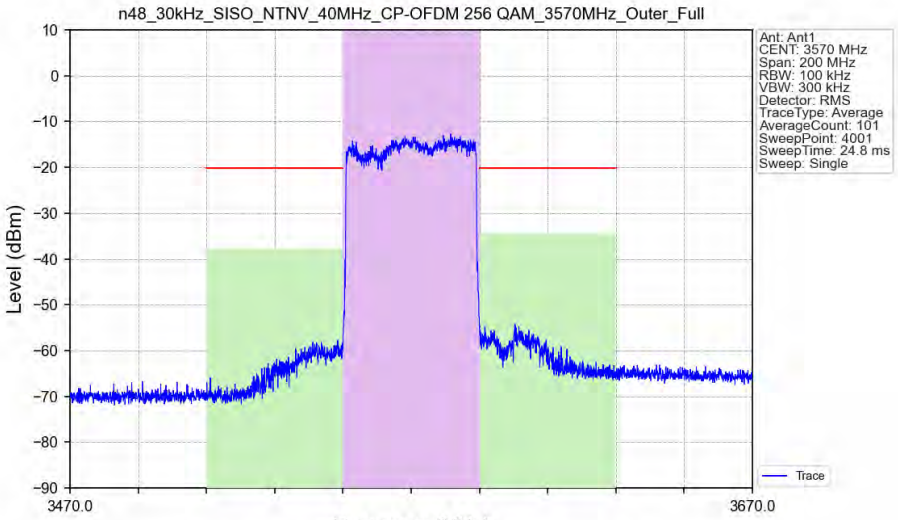
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	11.23	/	/	/	/
Adjacent	-40	40.00	-34.80	-46.03	-30	16.03	Pass
Adjacent	40	40.00	-35.32	-46.55	-30	16.55	Pass

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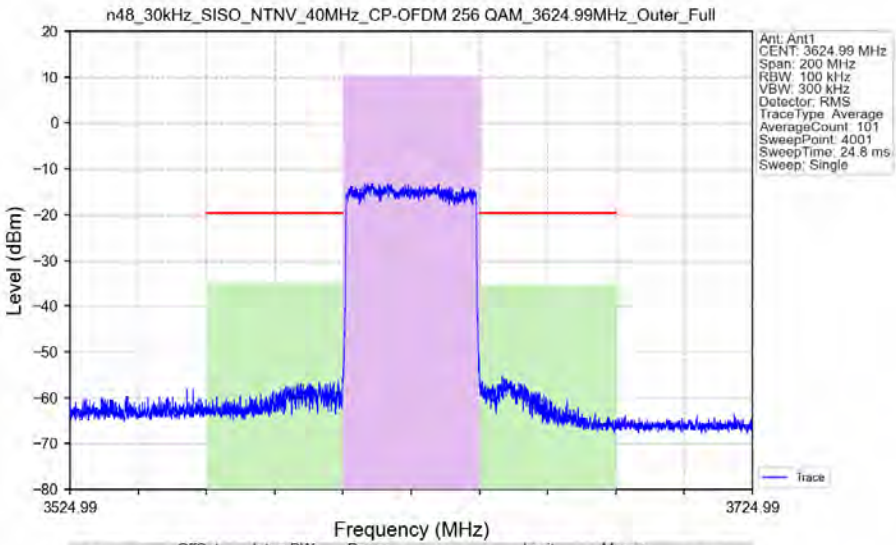
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3570MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	9.79	/	/	/	/
Adjacent	-40	40.00	-37.78	-47.57	-30	17.57	Pass
Adjacent	40	40.00	-34.43	-44.22	-30	14.22	Pass

n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full

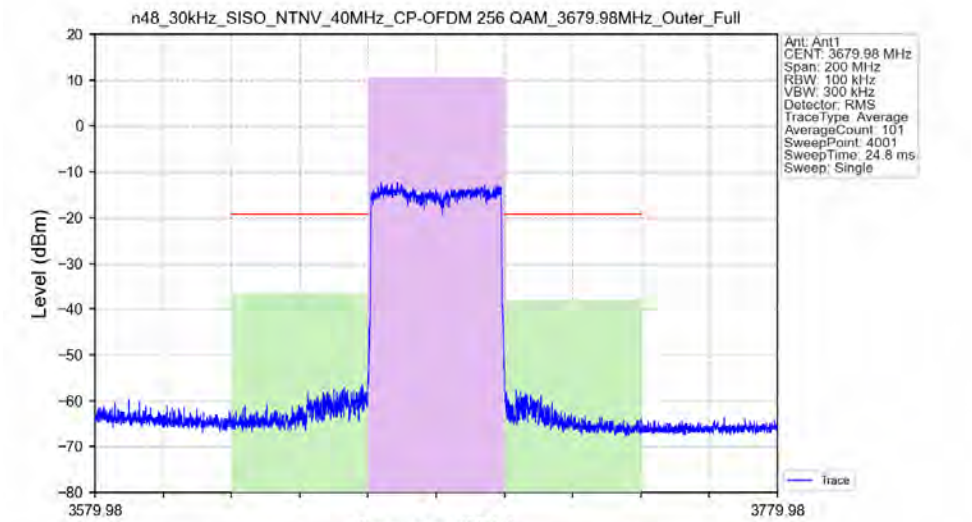
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	10.31	/	/	/	/
Adjacent	-40	40.00	-34.90	-45.21	-30	15.21	Pass
Adjacent	40	40.00	-35.39	-45.70	-30	15.70	Pass

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n48_30kHz_SISO_NTNV_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	10.66	/	/	/	/
Adjacent	-40	40.00	-36.52	-47.18	-30	17.18	Pass
Adjacent	40	40.00	-37.96	-48.62	-30	18.62	Pass

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6.4 30k_MIMO_10MHz_NTNV

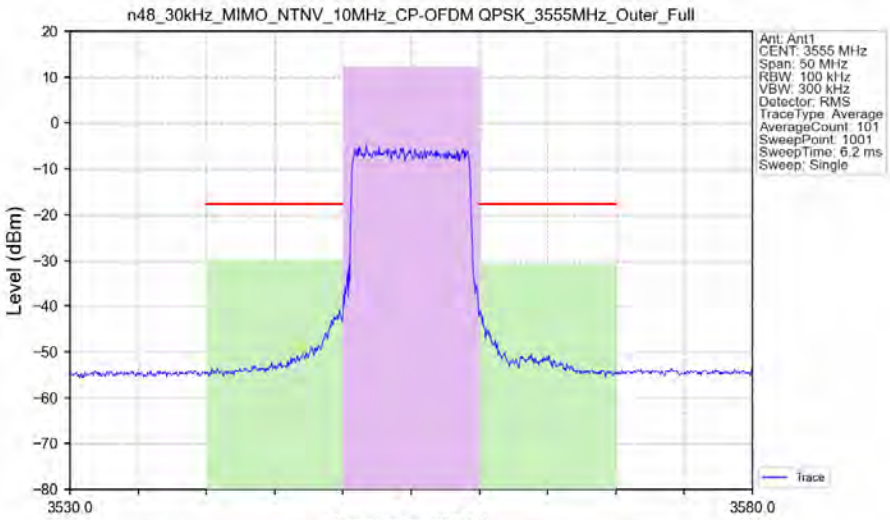
6.4.1 Test Result

5G NR n48 SCS=30kHz MIMO 10MHz NTNV					
Modulation	Frequency (MHz)	RB Allocation	Adjacent Channel Leakage Ratio		Verdict
			Result	Limit	
CP-OFDM QPSK	3555	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3694.98	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 16 QAM	3555	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3694.98	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 64 QAM	3555	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3694.98	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 256 QAM	3555	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3694.98	Outer_Full	Refer To Test Graph		Pass

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6.4.2 Test Graph

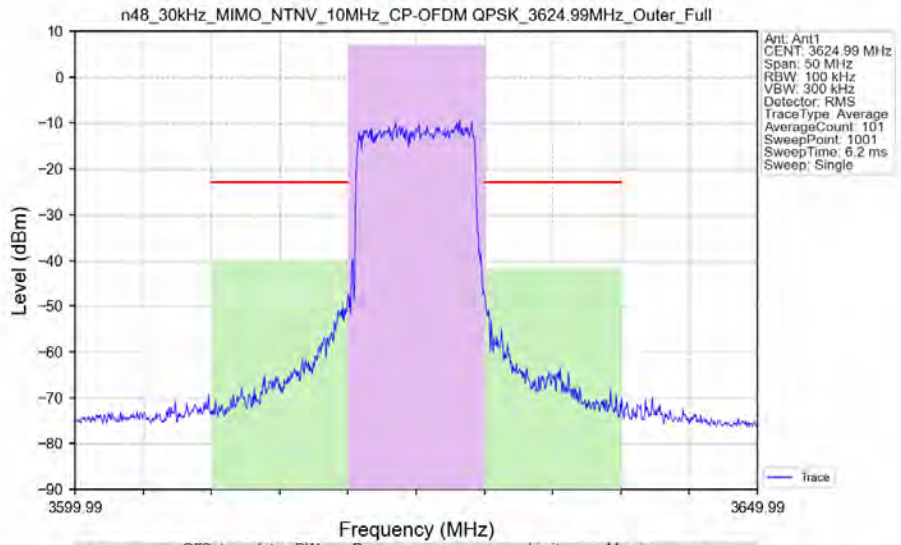
n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3555MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	12.30	/	/	/	/
Adjacent	-10	10.00	-29.78	-42.08	-30	12.08	Pass
Adjacent	10	10.00	-30.92	-43.22	-30	13.22	Pass

n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full

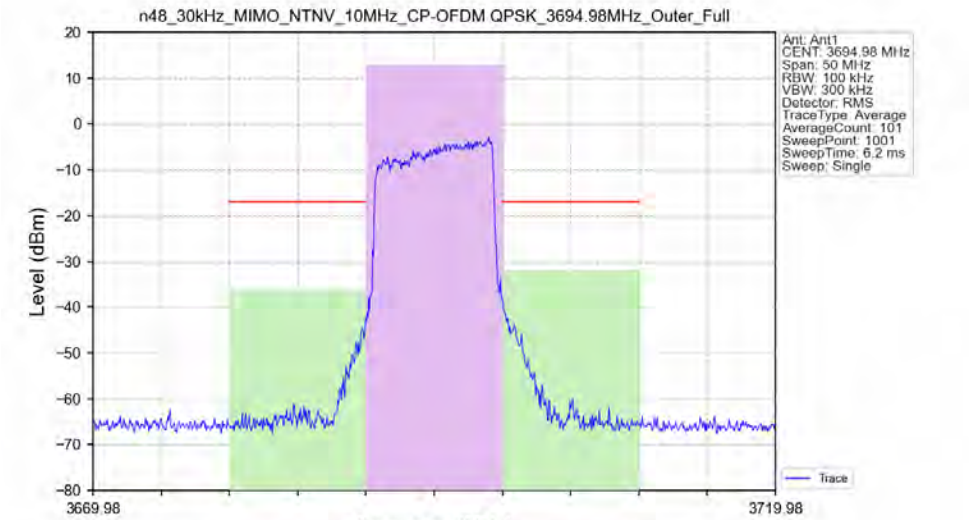
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	6.95	/	/	/	/
Adjacent	-10	10.00	-39.86	-46.81	-30	16.81	Pass
Adjacent	10	10.00	-41.61	-48.56	-30	18.56	Pass

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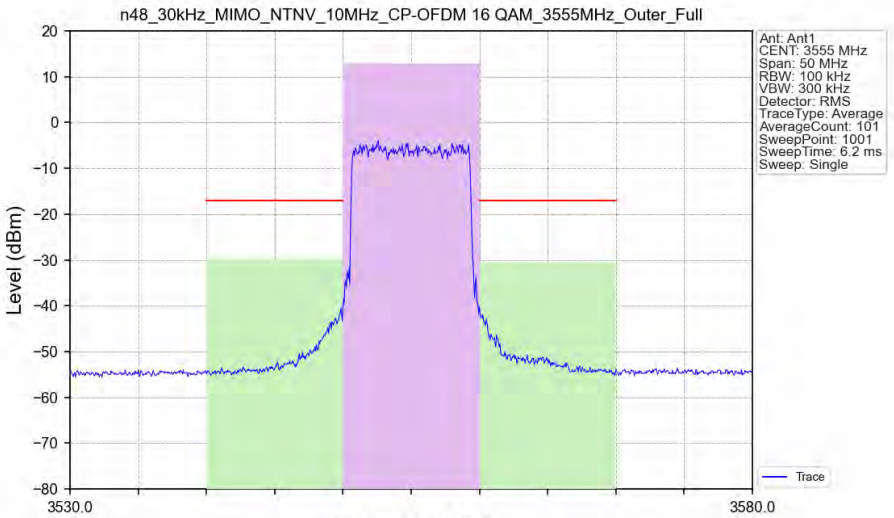
n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3694.98MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	12.96	/	/	/	/
Adjacent	-10	10.00	-36.07	-49.03	-30	19.03	Pass
Adjacent	10	10.00	-31.94	-44.90	-30	14.90	Pass

n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 16 QAM_3555MHz_Outer_Full

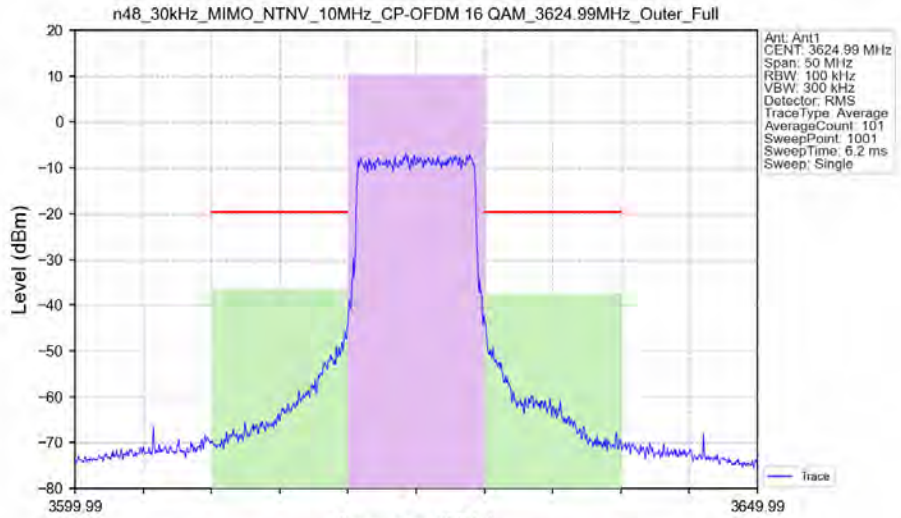
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	13.02	/	/	/	/
Adjacent	-10	10.00	-29.79	-42.81	-30	12.81	Pass
Adjacent	10	10.00	-30.54	-43.56	-30	13.56	Pass

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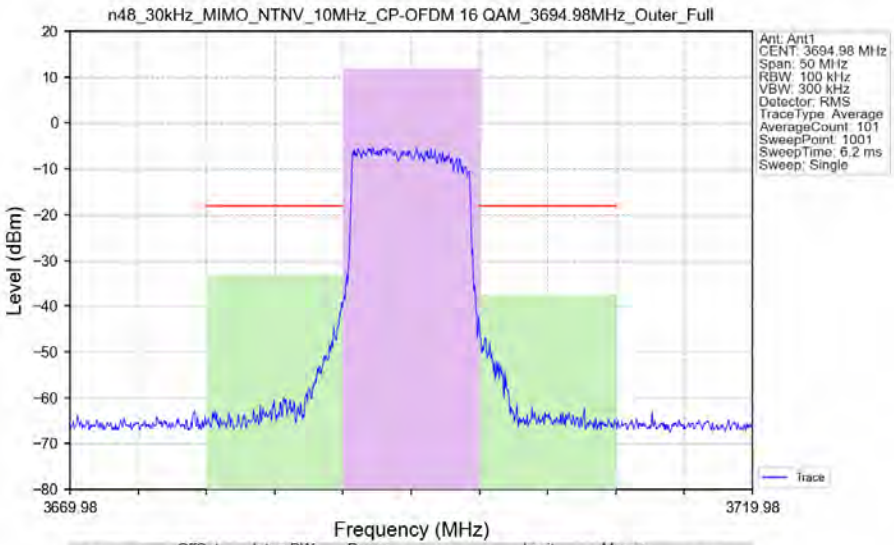
n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	10.31	/	/	/	/
Adjacent	-10	10.00	-36.39	-46.70	-30	16.70	Pass
Adjacent	10	10.00	-37.41	-47.72	-30	17.72	Pass

n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 16 QAM_3694.98MHz_Outer_Full

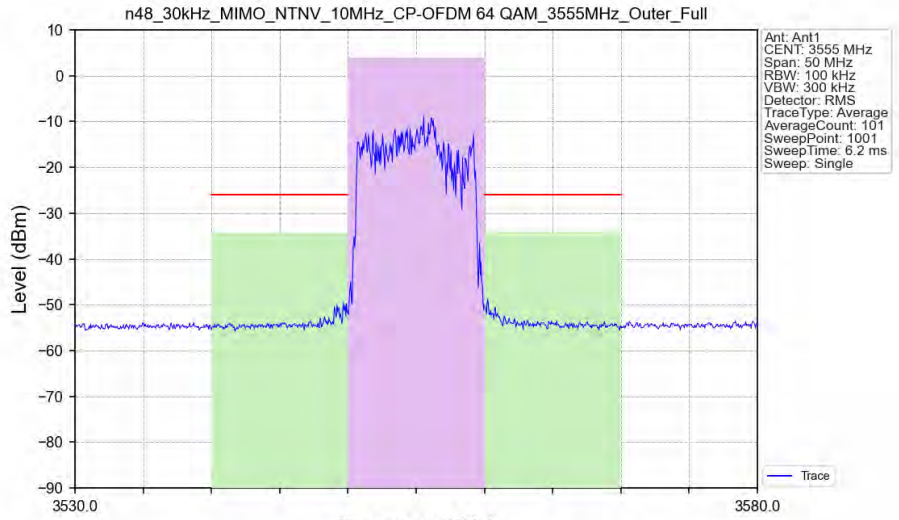
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	11.97	/	/	/	/
Adjacent	-10	10.00	-33.07	-45.04	-30	15.04	Pass
Adjacent	10	10.00	-37.42	-49.39	-30	19.39	Pass

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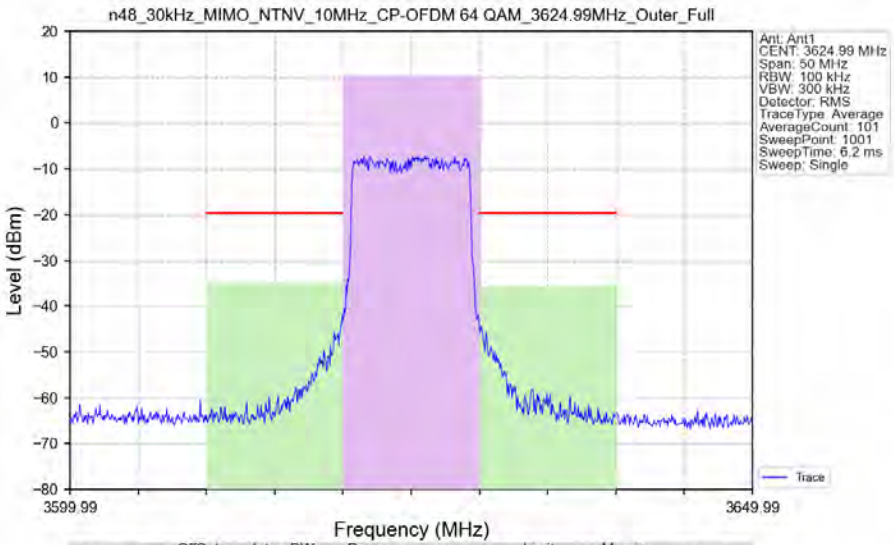
n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 64 QAM_3555MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	4.09	/	/	/	/
Adjacent	-10	10.00	-34.33	-38.42	-30	8.42	Pass
Adjacent	10	10.00	-34.16	-38.25	-30	8.25	Pass

n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full

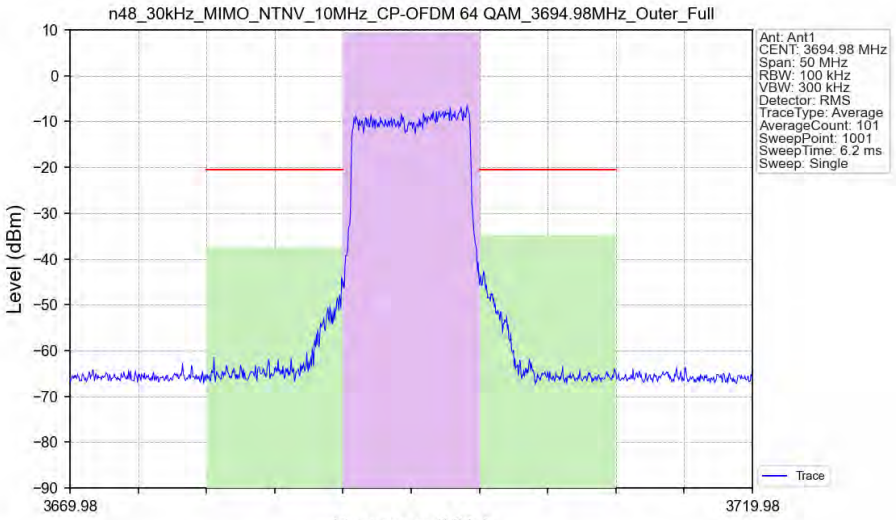
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	10.33	/	/	/	/
Adjacent	-10	10.00	-34.77	-45.10	-30	15.10	Pass
Adjacent	10	10.00	-35.77	-46.10	-30	16.10	Pass

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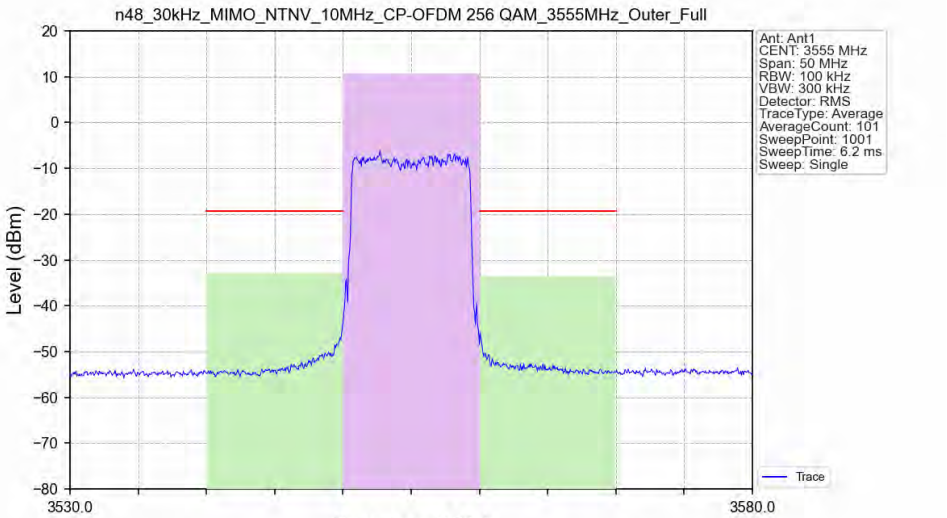
n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 64 QAM_3694.98MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	9.51	/	/	/	/
Adjacent	-10	10.00	-37.51	-47.02	-30	17.02	Pass
Adjacent	10	10.00	-34.80	-44.31	-30	14.31	Pass

n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3555MHz_Outer_Full

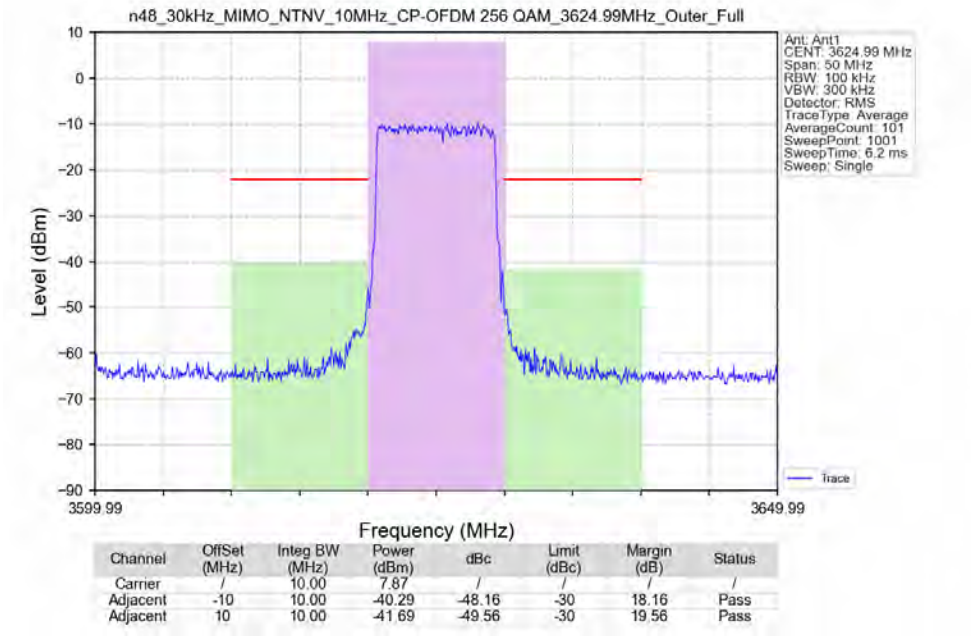
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	10.71	/	/	/	/
Adjacent	-10	10.00	-32.88	-43.59	-30	13.59	Pass
Adjacent	10	10.00	-33.53	-44.24	-30	14.24	Pass

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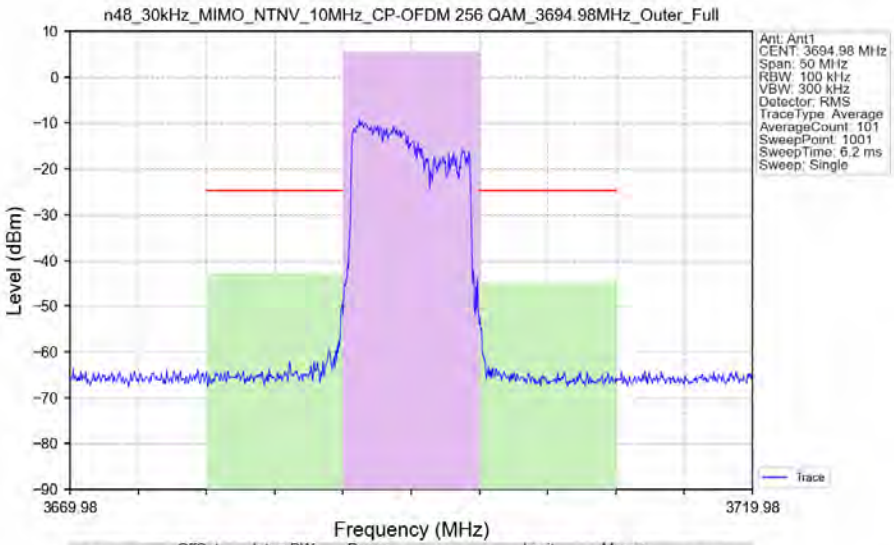
n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	7.87	/	/	/	/
Adjacent	-10	10.00	-40.29	-48.16	-30	18.16	Pass
Adjacent	10	10.00	-41.69	-49.56	-30	19.56	Pass

n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM_3694.98MHz_Outer_Full

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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	5.33	/	/	/	/
Adjacent	-10	10.00	-42.92	-48.25	-30	18.25	Pass
Adjacent	10	10.00	-44.93	-50.26	-30	20.26	Pass

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6.5 30k_MIMO_20MHz_NTNV

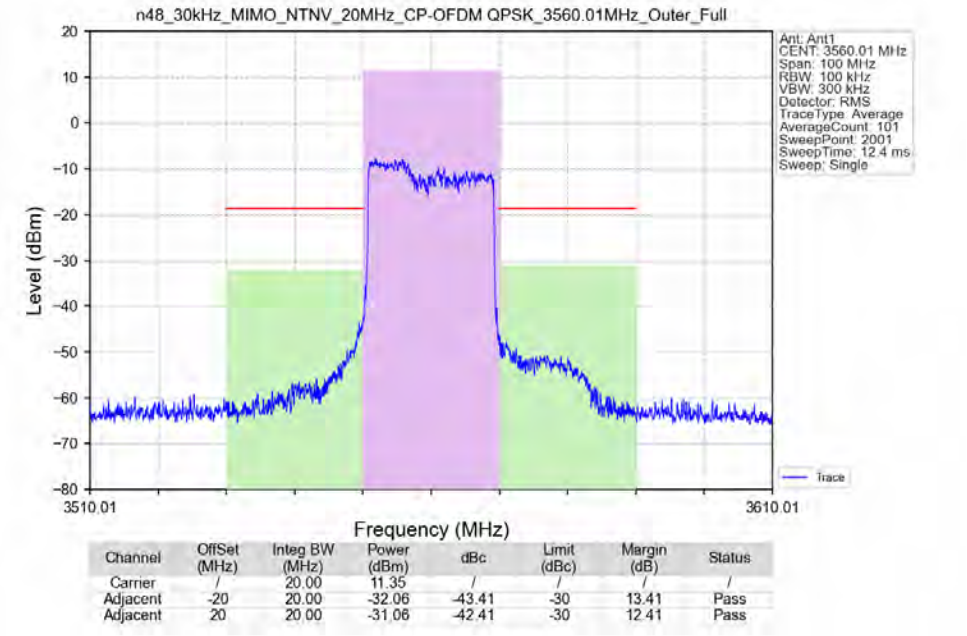
6.5.1 Test Result

5G NR n48 SCS=30kHz MIMO 20MHz NTNV					
Modulation	Frequency (MHz)	RB Allocation	Adjacent Channel Leakage Ratio		Verdict
			Result	Limit	
CP-OFDM QPSK	3560.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3690	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 16 QAM	3560.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3690	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3690	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3690	Outer_Full	Refer To Test Graph		Pass

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6.5.2 Test Graph

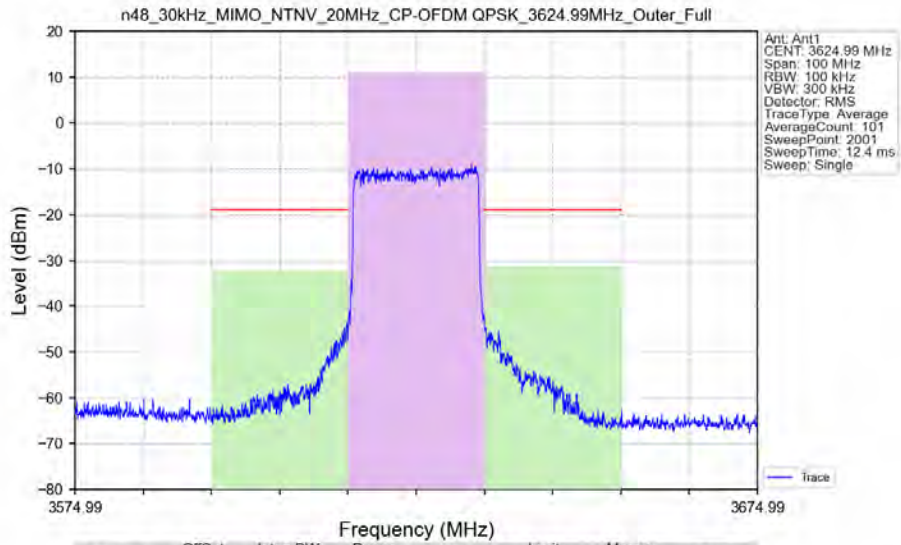
n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	11.35	/	/	/	/
Adjacent	-20	20.00	-32.06	-43.41	-30	13.41	Pass
Adjacent	20	20.00	-31.06	-42.41	-30	12.41	Pass

n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full

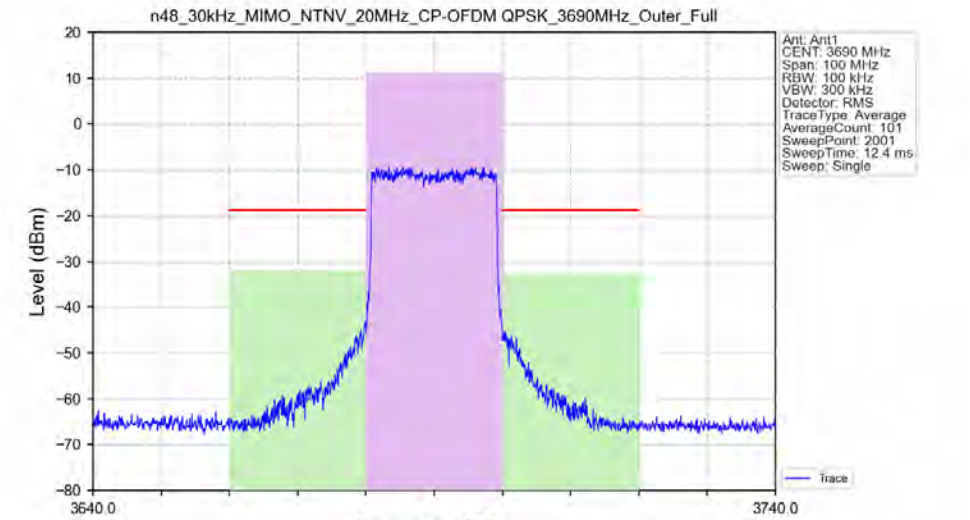
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	11.02	/	/	/	/
Adjacent	-20	20.00	-32.26	-43.28	-30	13.28	Pass
Adjacent	20	20.00	-31.30	-42.32	-30	12.32	Pass

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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3690MHz_Outer_Full

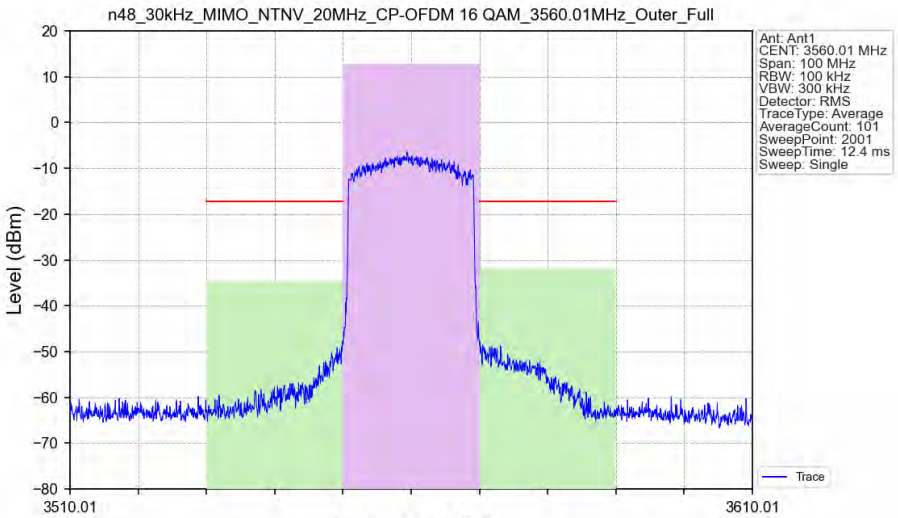


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	11.21	/	/	/	/
Adjacent	-20	20.00	-31.83	-43.04	-30	13.04	Pass
Adjacent	20	20.00	-32.51	-43.72	-30	13.72	Pass

n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 16 QAM_3560.01MHz_Outer_Full

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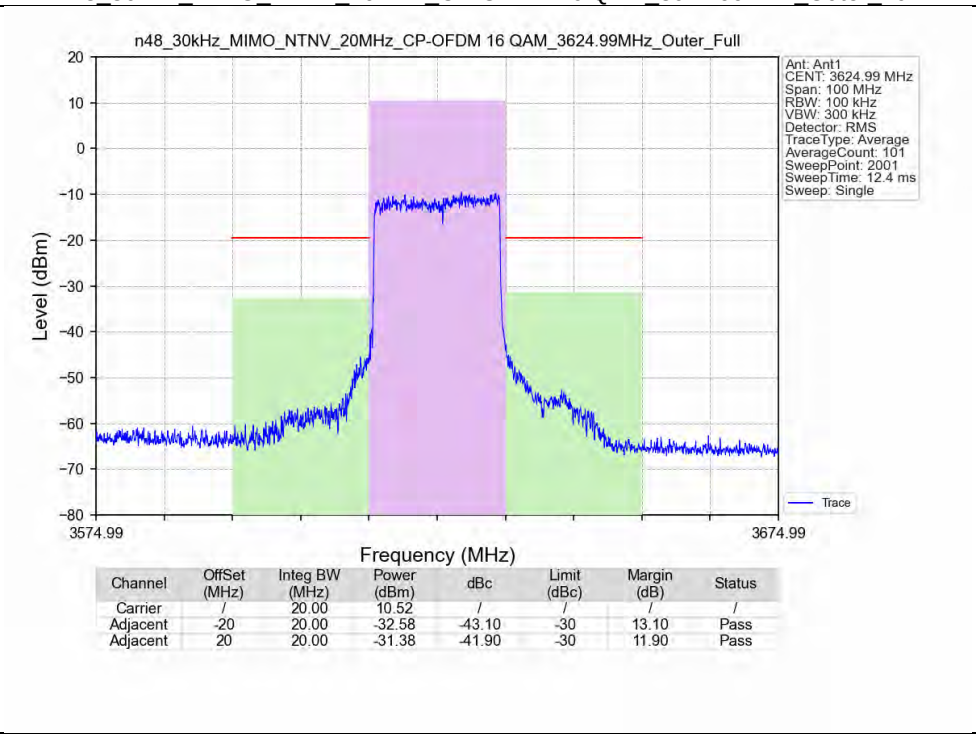
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	12.85	/	/	/	/
Adjacent	-20	20.00	-34.66	-47.51	-30	17.51	Pass
Adjacent	20	20.00	-31.79	-44.64	-30	14.64	Pass

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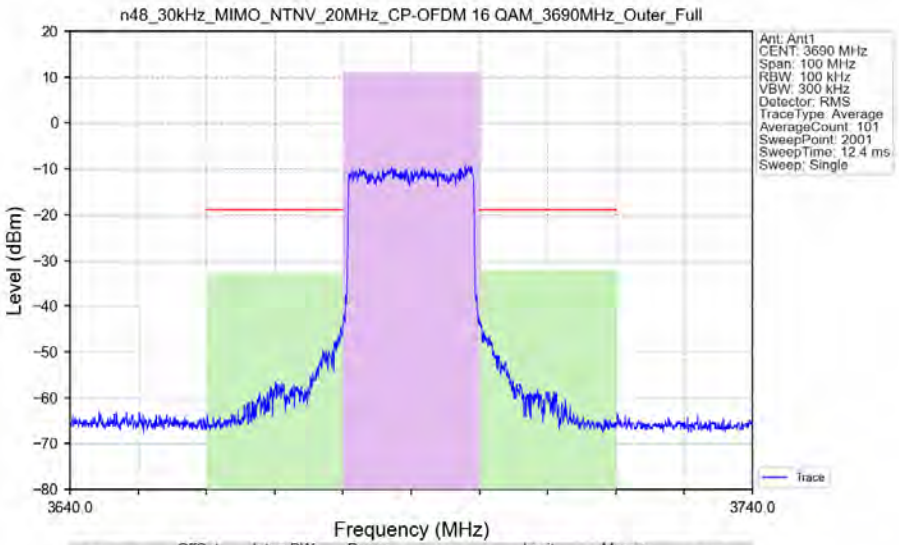
n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	10.52	/	/	/	/
Adjacent	-20	20.00	-32.58	-43.10	-30	13.10	Pass
Adjacent	20	20.00	-31.38	-41.90	-30	11.90	Pass

n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 16 QAM_3690MHz_Outer_Full

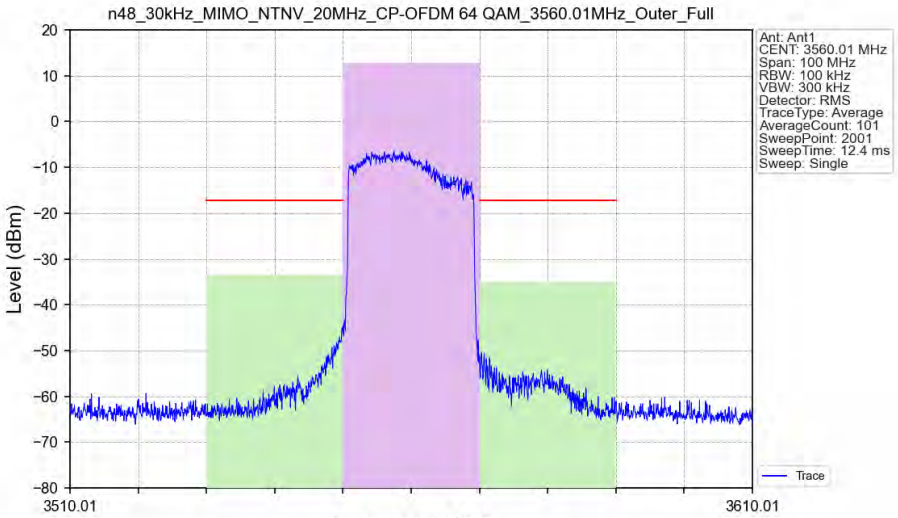
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	10.98	/	/	/	/
Adjacent	-20	20.00	-32.77	-43.75	-30	13.75	Pass
Adjacent	20	20.00	-32.09	-43.07	-30	13.07	Pass

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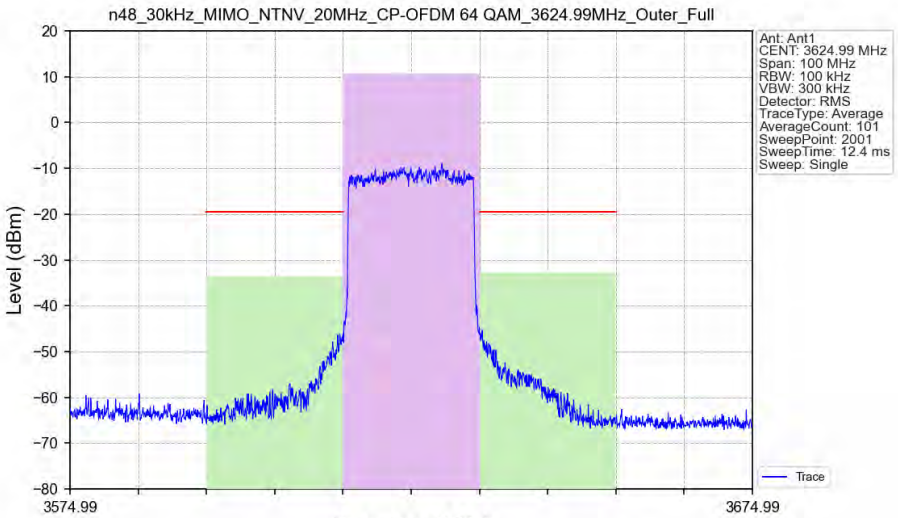
n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 64 QAM_3560.01MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	12.70	/	/	/	/
Adjacent	-20	20.00	-33.46	-46.16	-30	16.16	Pass
Adjacent	20	20.00	-34.95	-47.65	-30	17.65	Pass

n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full

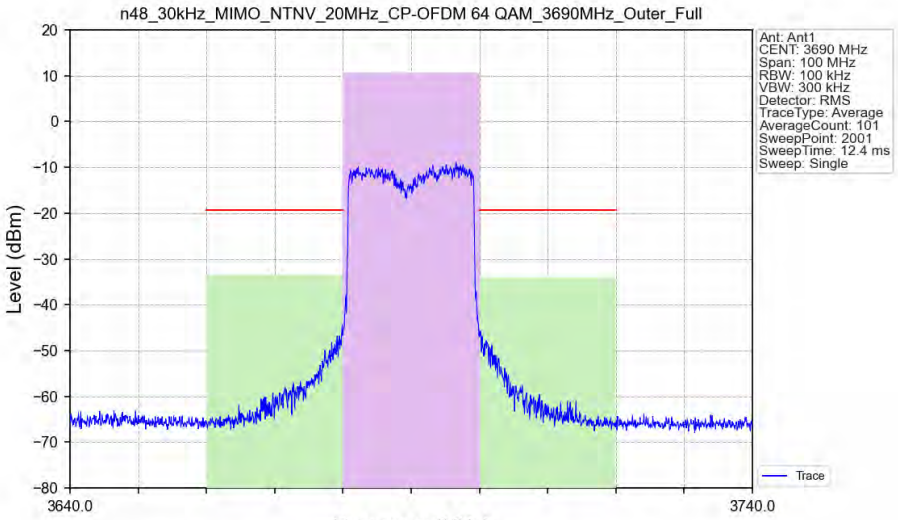
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	10.57	/	/	/	/
Adjacent	-20	20.00	-33.66	-44.23	-30	14.23	Pass
Adjacent	20	20.00	-32.75	-43.32	-30	13.32	Pass

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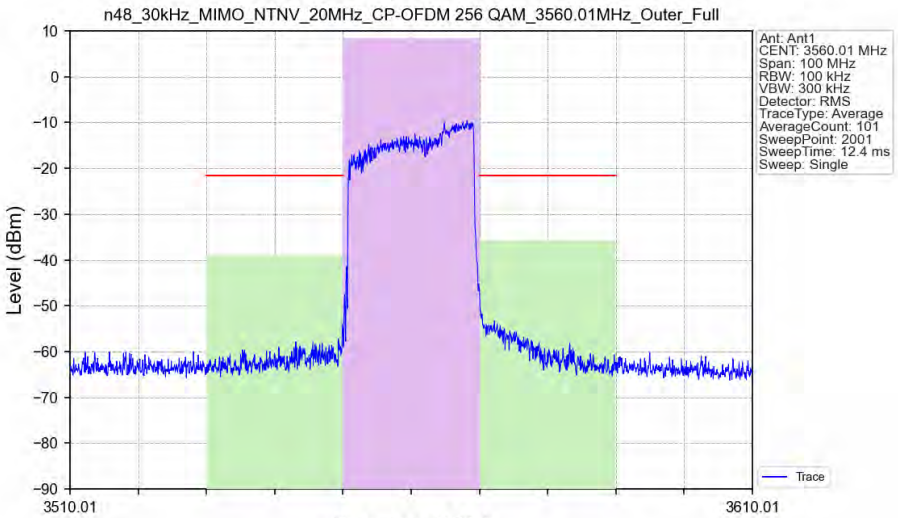
n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 64 QAM_3690MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	10.67	/	/	/	/
Adjacent	-20	20.00	-33.43	-44.10	-30	14.10	Pass
Adjacent	20	20.00	-34.03	-44.70	-30	14.70	Pass

n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 256 QAM_3560.01MHz_Outer_Full

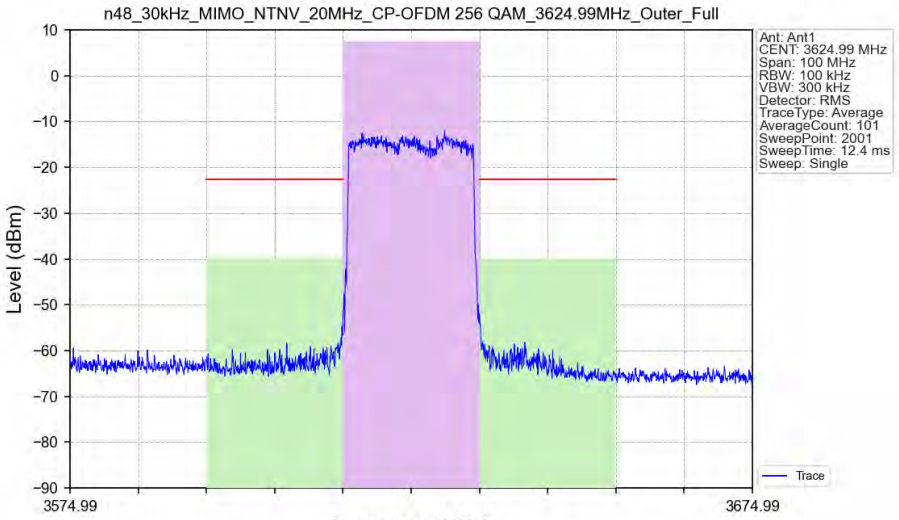
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	8.46	/	/	/	/
Adjacent	-20	20.00	-38.95	-47.41	-30	17.41	Pass
Adjacent	20	20.00	-35.74	-44.20	-30	14.20	Pass

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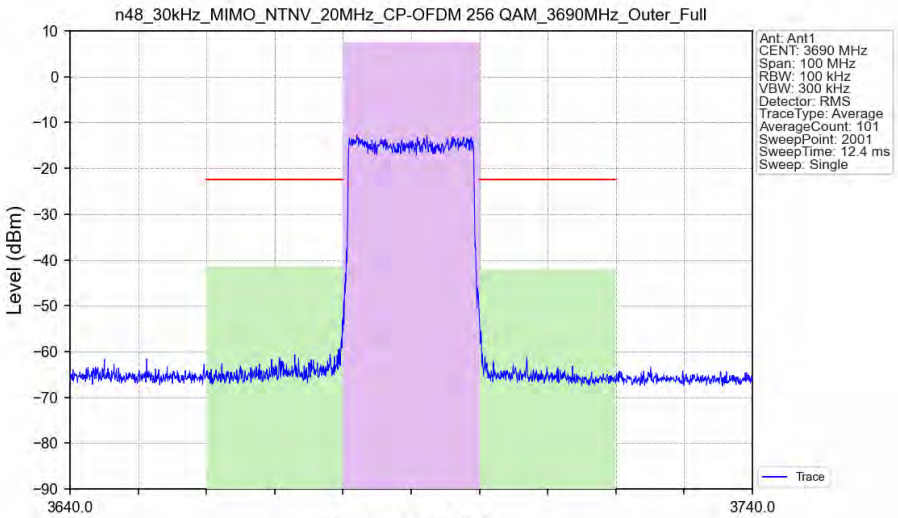
n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	7.45	/	/	/	/
Adjacent	-20	20.00	-39.72	-47.17	-30	17.17	Pass
Adjacent	20	20.00	-39.96	-47.41	-30	17.41	Pass

n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM 256 QAM_3690MHz_Outer_Full

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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	7.50	/	/	/	/
Adjacent	-20	20.00	-41.33	-48.83	-30	18.83	Pass
Adjacent	20	20.00	-42.08	-49.58	-30	19.58	Pass

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6.6 30k_MIMO_40MHz_NTNV

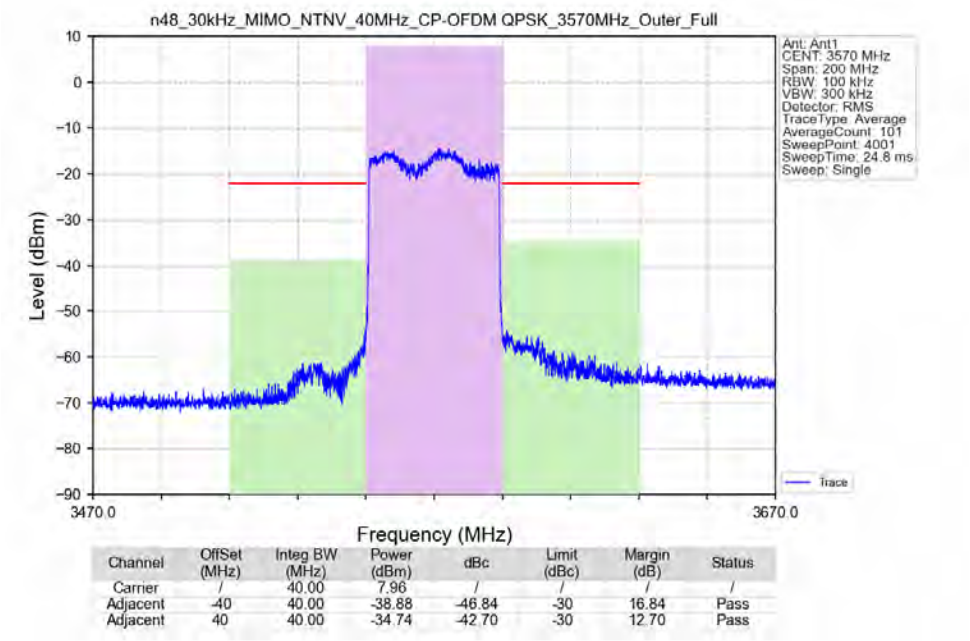
6.6.1 Test Result

5G NR n48 SCS=30kHz MIMO 40MHz NTNV					
Modulation	Frequency (MHz)	RB Allocation	Adjacent Channel Leakage Ratio		Verdict
			Result	Limit	
CP-OFDM QPSK	3570	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3679.98	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 16 QAM	3570	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3679.98	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 64 QAM	3570	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3679.98	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 256 QAM	3570	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3679.98	Outer_Full	Refer To Test Graph		Pass

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6.6.2 Test Graph

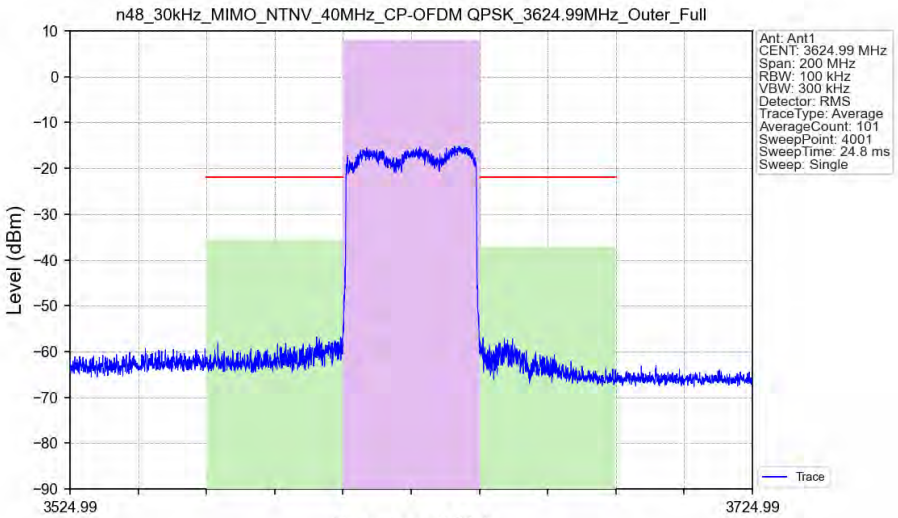
n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	7.96	/	/	/	/
Adjacent	-40	40.00	-38.88	-46.84	-30	16.84	Pass
Adjacent	40	40.00	-34.74	-42.70	-30	12.70	Pass

n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full

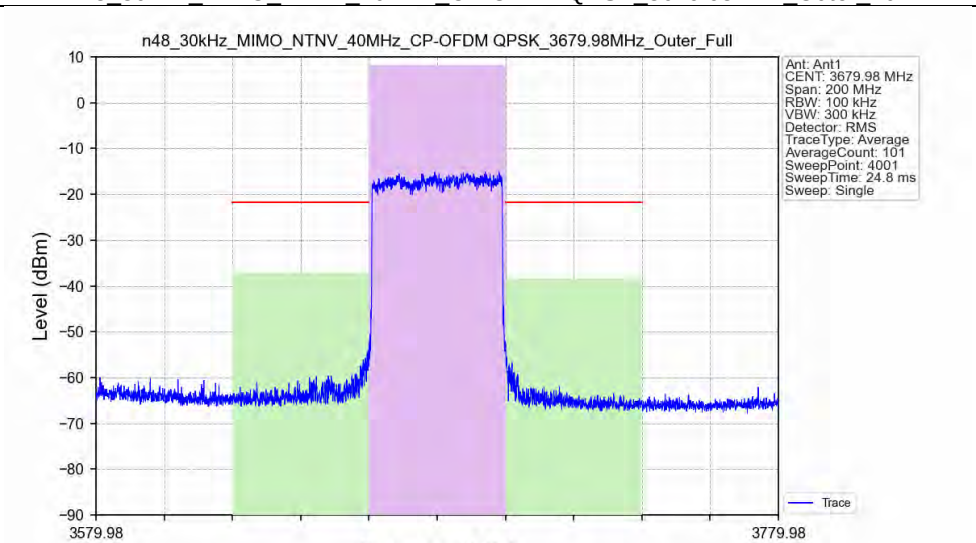
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	8.06	/	/	/	/
Adjacent	-40	40.00	-35.55	-43.61	-30	13.61	Pass
Adjacent	40	40.00	-37.13	-45.19	-30	15.19	Pass

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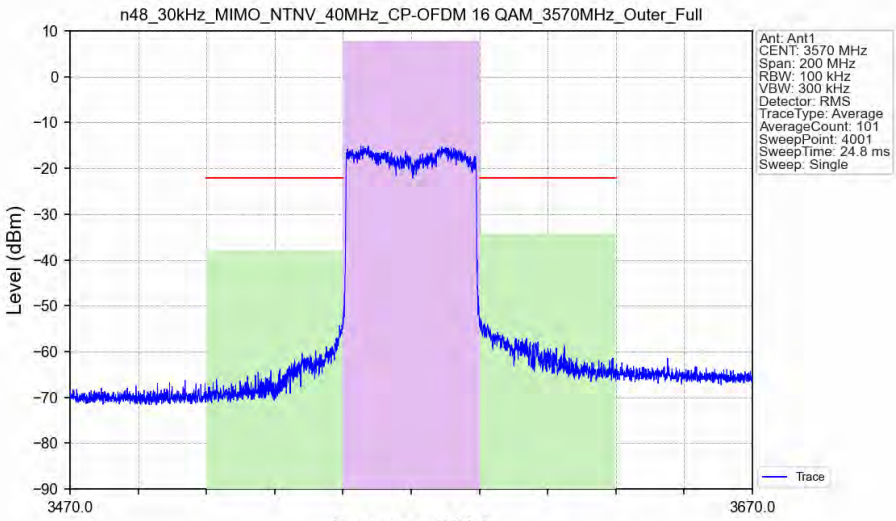
n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	8.28	/	/	/	/
Adjacent	-40	40.00	-37.08	-45.36	-30	15.36	Pass
Adjacent	40	40.00	-38.41	-46.69	-30	16.69	Pass

n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM 16 QAM_3570MHz_Outer_Full

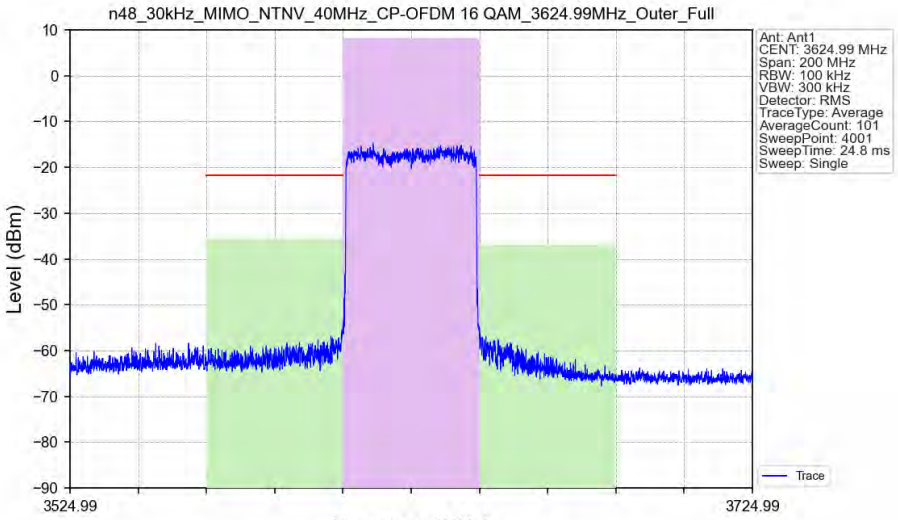
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	7.93	/	/	/	/
Adjacent	-40	40.00	-38.04	-45.97	-30	15.97	Pass
Adjacent	40	40.00	-34.31	-42.24	-30	12.24	Pass

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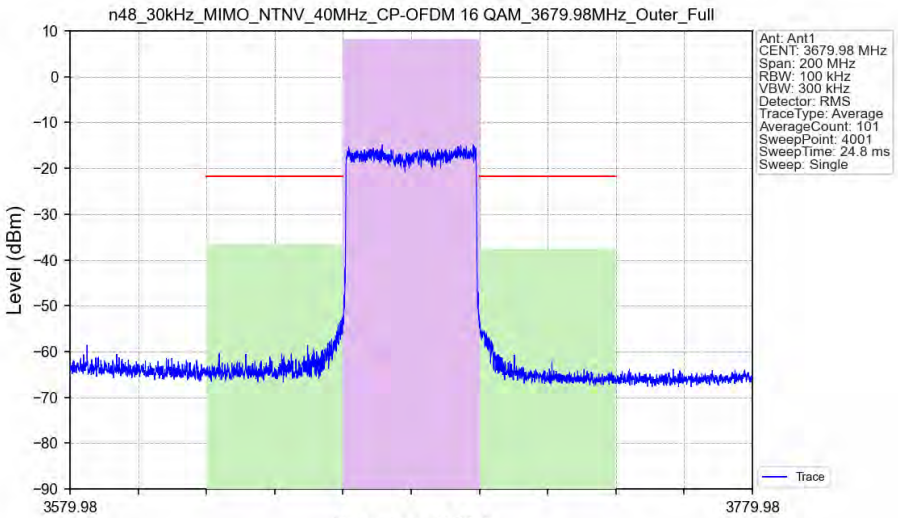
n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	8.17	/	/	/	/
Adjacent	-40	40.00	-35.48	-43.65	-30	13.65	Pass
Adjacent	40	40.00	-36.94	-45.11	-30	15.11	Pass

n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM 16 QAM_3679.98MHz_Outer_Full

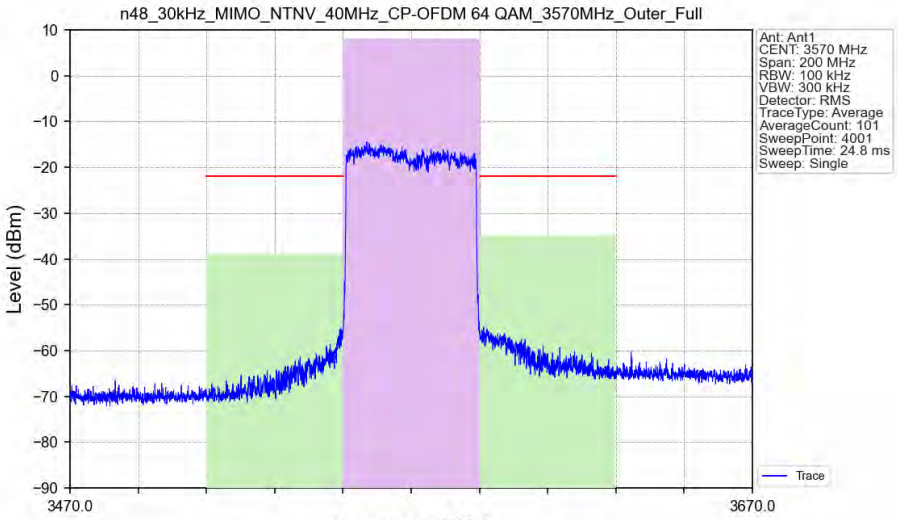
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	8.25	/	/	/	/
Adjacent	-40	40.00	-36.58	-44.83	-30	14.83	Pass
Adjacent	40	40.00	-37.54	-45.79	-30	15.79	Pass

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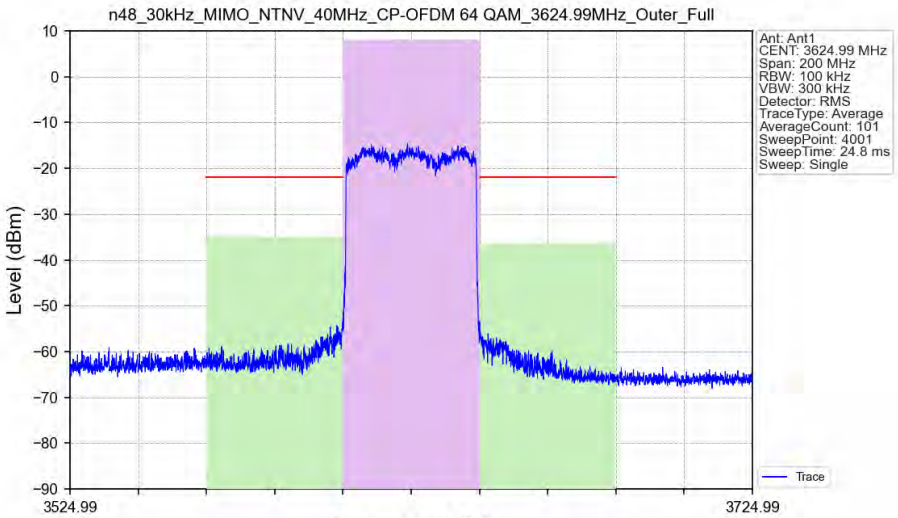
n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM 64 QAM_3570MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	8.00	/	/	/	/
Adjacent	-40	40.00	-38.81	-46.81	-30	16.81	Pass
Adjacent	40	40.00	-35.01	-43.01	-30	13.01	Pass

n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full

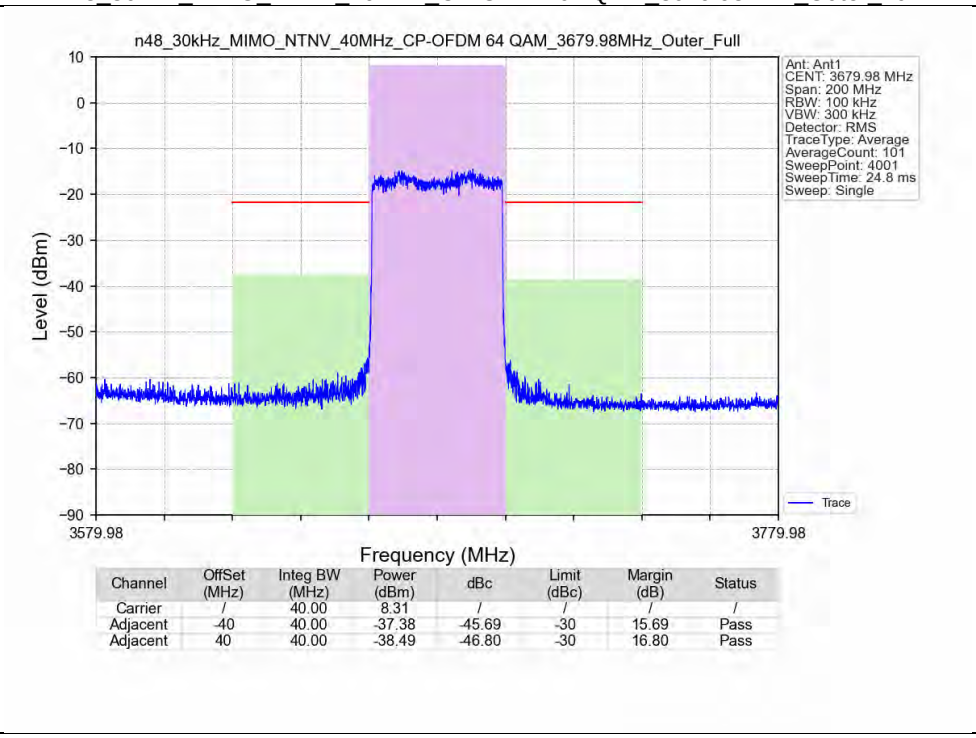
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	8.10	/	/	/	/
Adjacent	-40	40.00	-34.97	-43.07	-30	13.07	Pass
Adjacent	40	40.00	-36.46	-44.56	-30	14.56	Pass

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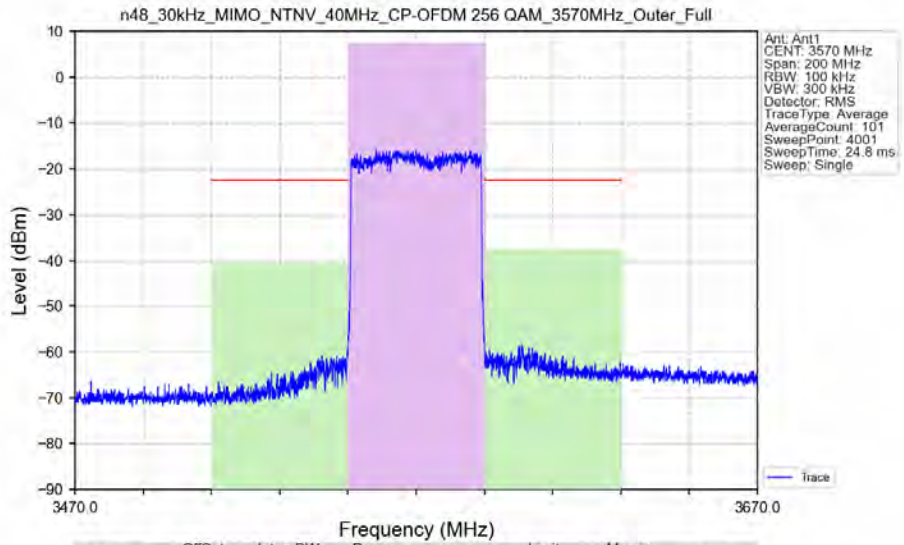
n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM 64 QAM_3679.98MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	8.31	/	/	/	/
Adjacent	-40	40.00	-37.38	-45.69	-30	15.69	Pass
Adjacent	40	40.00	-38.49	-46.80	-30	16.80	Pass

n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM 256 QAM_3570MHz_Outer_Full

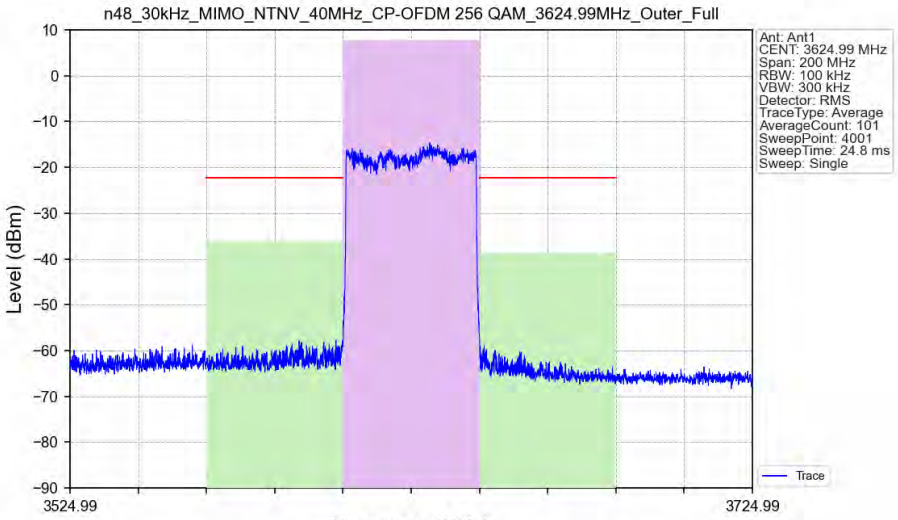
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	7.55	/	/	/	/
Adjacent	-40	40.00	-40.57	-48.12	-30	18.12	Pass
Adjacent	40	40.00	-37.41	-44.96	-30	14.96	Pass

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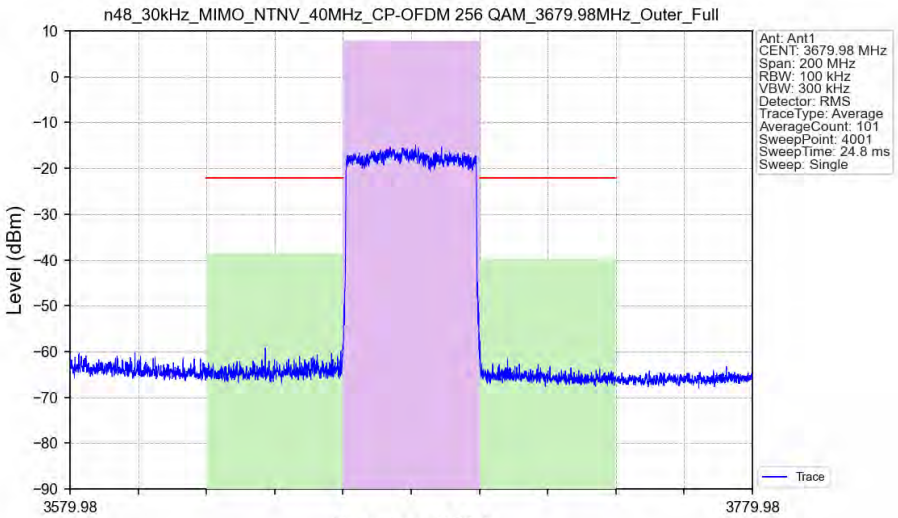
n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	7.67	/	/	/	/
Adjacent	-40	40.00	-36.14	-43.81	-30	13.81	Pass
Adjacent	40	40.00	-38.59	-46.26	-30	16.26	Pass

n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM 256 QAM_3679.98MHz_Outer_Full

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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	7.85	/	/	/	/
Adjacent	-40	40.00	-38.49	-46.34	-30	16.34	Pass
Adjacent	40	40.00	-39.77	-47.62	-30	17.62	Pass

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7. Field Strength of Spurious Radiation

NR Band 48-Low channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7110	-59.31	-40	-19.31	-66.25	4.19	11.13	Horizontal	Pass
10655	-55.89	-40	-15.89	-63.935	5.08	13.12	Horizontal	Pass
14220	-54.51	-40	-14.51	-64.17	4.82	14.48	Horizontal	Pass
7110	-58.56	-40	-18.56	-65.5	4.19	11.13	Vertical	Pass
10655	-56.68	-40	-16.68	-64.725	5.08	13.12	Vertical	Pass
14220	-54.19	-40	-14.19	-63.85	4.82	14.48	Vertical	Pass

NR Band 48-Middle channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7159.98	-58.96	-40	-18.96	-65.9	4.19	11.13	Horizontal	Pass
10739.97	-54.73	-40	-14.73	-62.775	5.08	13.12	Horizontal	Pass
14319.96	-48.44	-40	-8.44	-58.1	4.82	14.48	Horizontal	Pass
7159.98	-59.23	-40	-19.23	-66.17	4.19	11.13	Vertical	Pass
10739.97	-54.71	-40	-14.71	-62.755	5.08	13.12	Vertical	Pass
14319.96	-48.47	-40	-8.47	-58.13	4.82	14.48	Vertical	Pass

NR Band 48-High channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7209.96	-59.26	-40	-19.26	-66.2	4.19	11.13	Horizontal	Pass
10814.94	-55.19	-40	-15.19	-63.235	5.08	13.12	Horizontal	Pass
14419.92	-51.64	-40	-11.64	-61.3	4.82	14.48	Horizontal	Pass
7209.96	-58.79	-40	-18.79	-65.73	4.19	11.13	Vertical	Pass
10814.94	-54.19	-40	-14.19	-62.235	5.08	13.12	Vertical	Pass
14419.92	-52.11	-40	-12.11	-61.77	4.82	14.48	Vertical	Pass

---End of Attachment---

检验检测专用章 Inspection & Testing Services

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