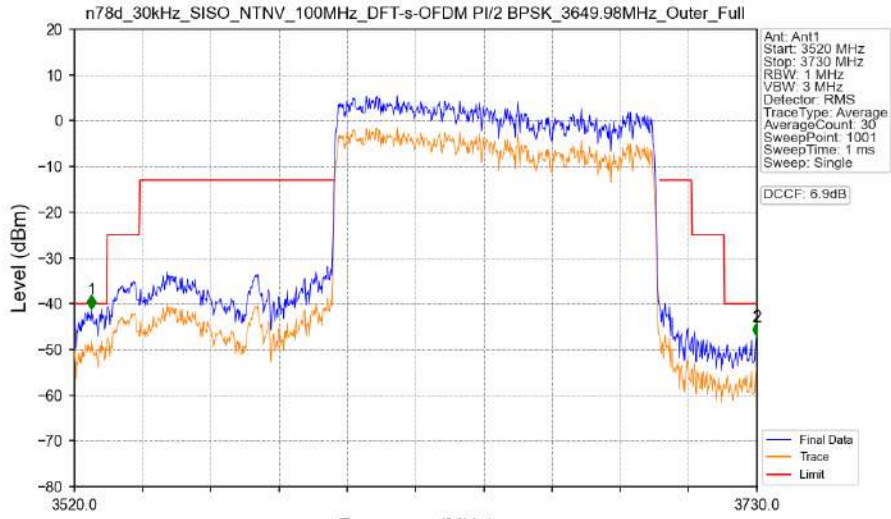
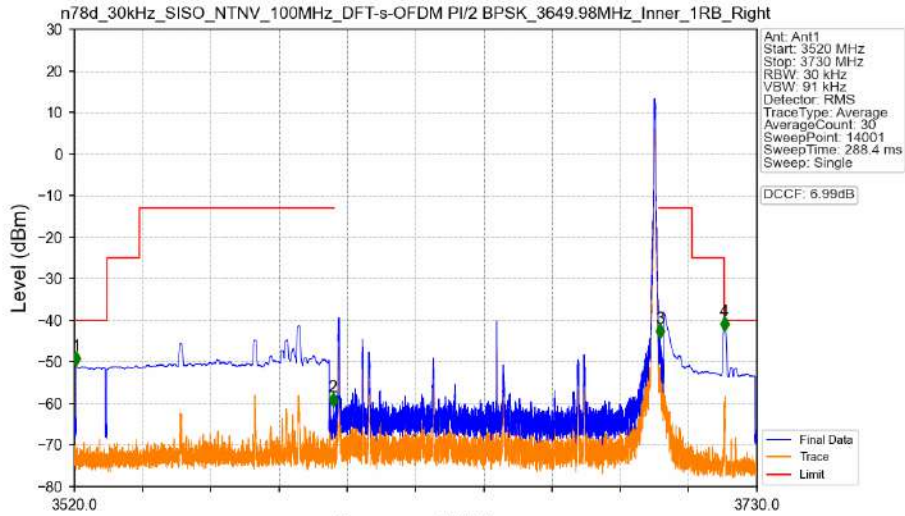


n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3649.98MHz_Outer_Full



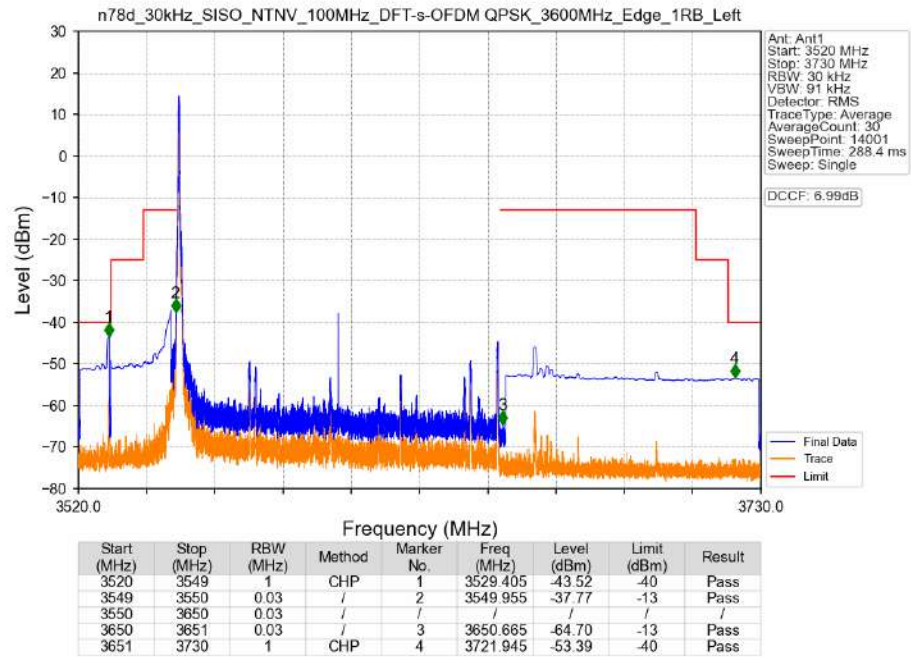
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3599.98	1	/	1	3525.250	-41.17	-40	Pass
3599.98	3699.98	1	/	/	/	/	/	/
3699.98	3730	1	/	2	3730.000	-47.20	-40	Pass

n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3649.98MHz_Inner_1RB_Right

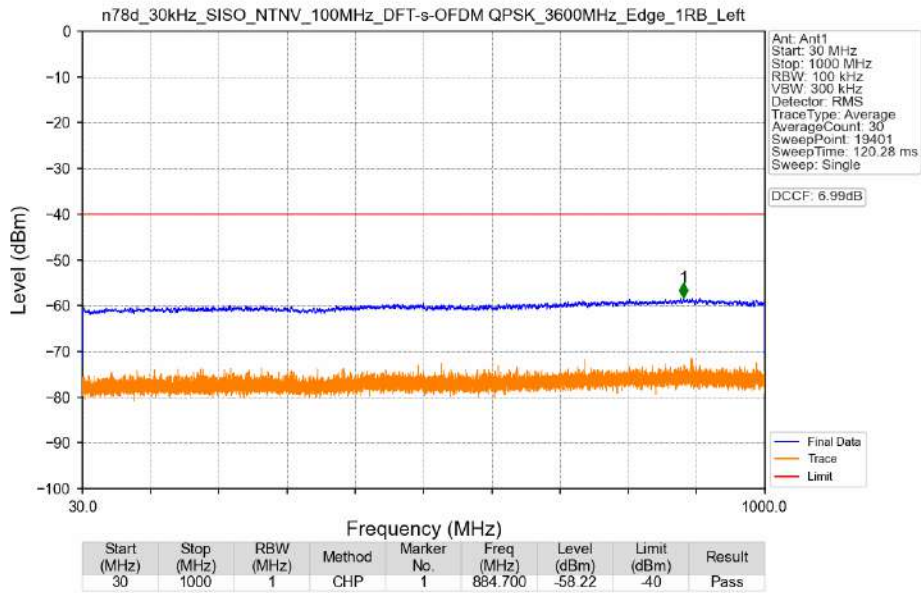


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3598.98	1	CHP	1	3520.555	-50.85	-40	Pass
3598.98	3599.98	0.03	/	2	3599.590	-60.79	-13	Pass
3599.98	3699.98	0.03	/	/	/	/	/	/
3699.98	3700.98	0.03	/	3	3700.240	-44.29	-13	Pass
3700.98	3730	1	CHP	4	3720.010	-42.57	-40	Pass

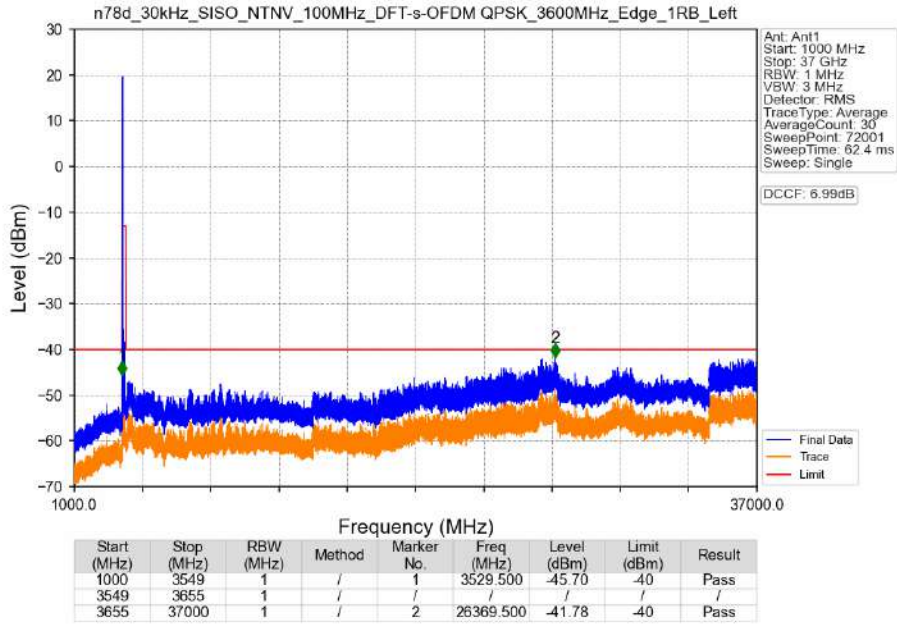
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3600MHz_Edge_1RB_Left



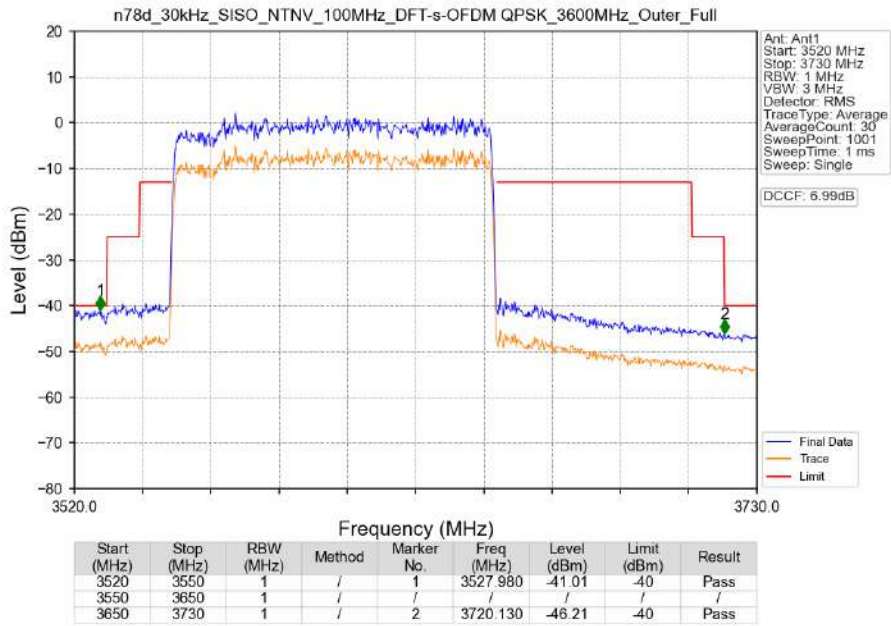
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3600MHz_Edge_1RB_Left



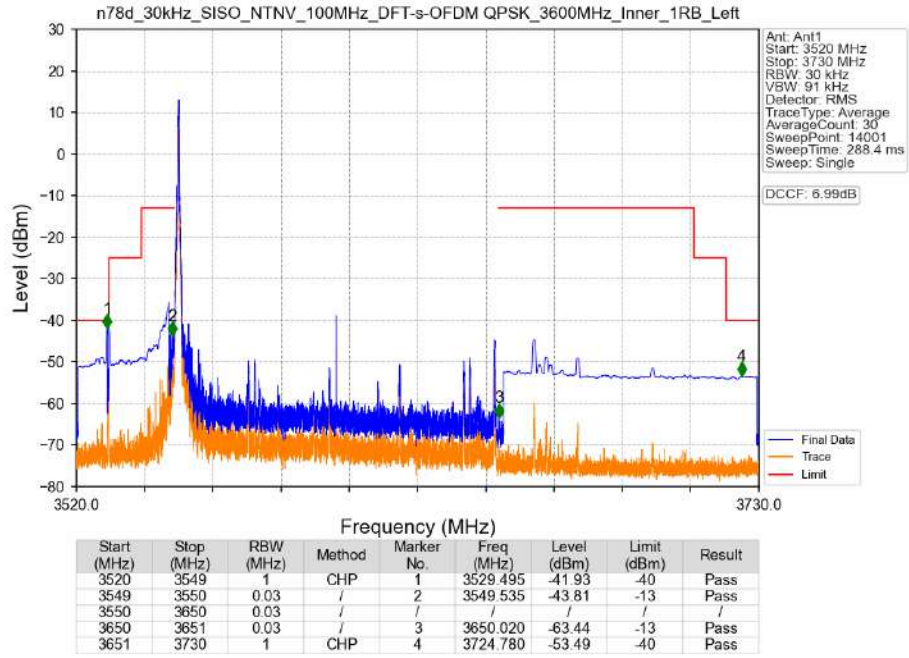
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3600MHz_Edge_1RB_Left



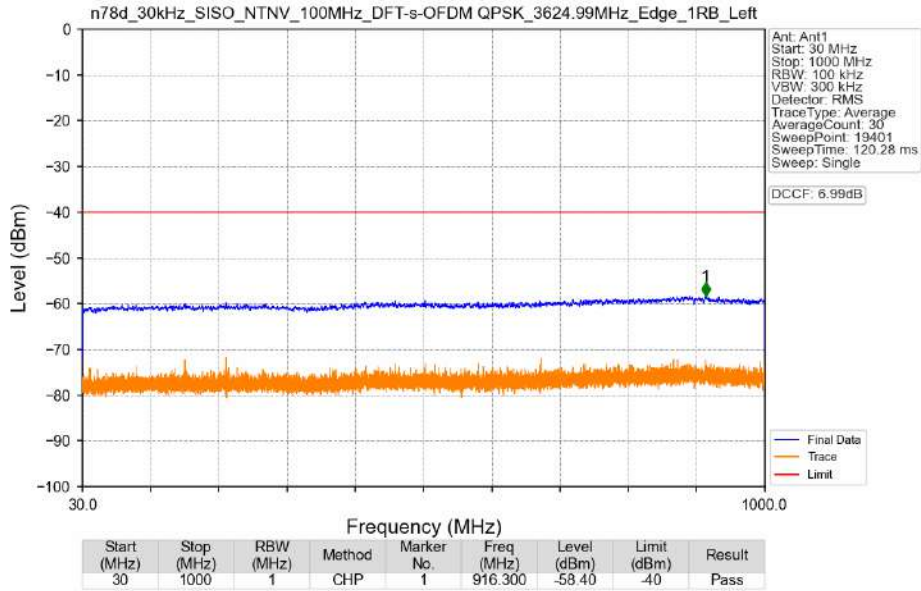
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3600MHz_Outer_Full



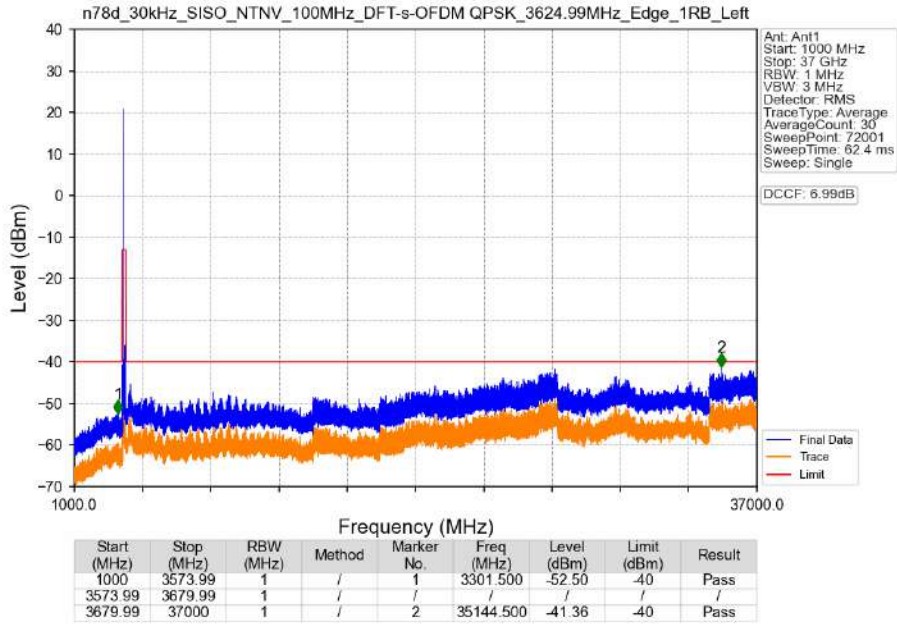
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3600MHz_Inner_1RB_Left



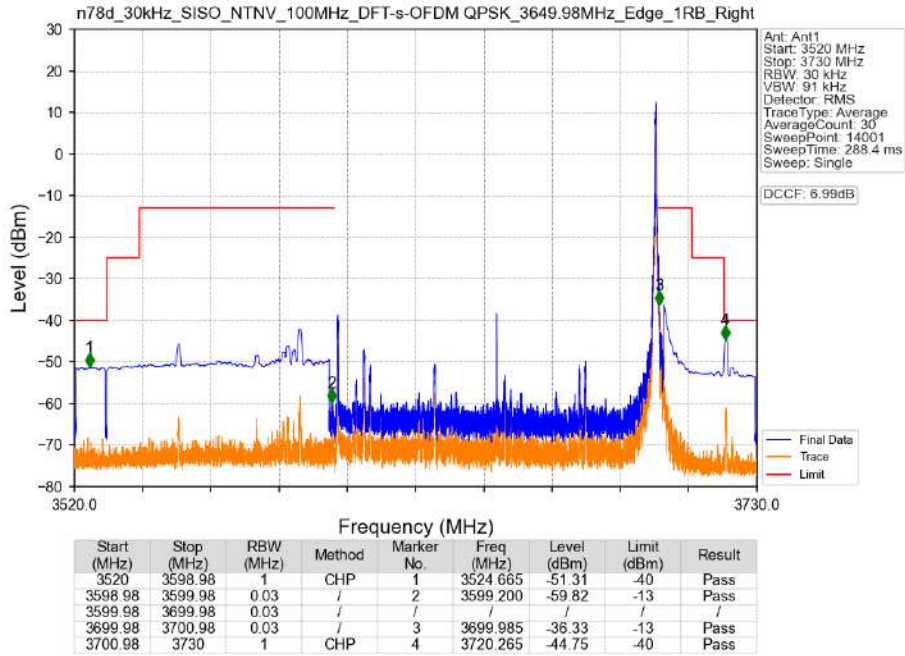
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3624.99MHz_Edge_1RB_Left



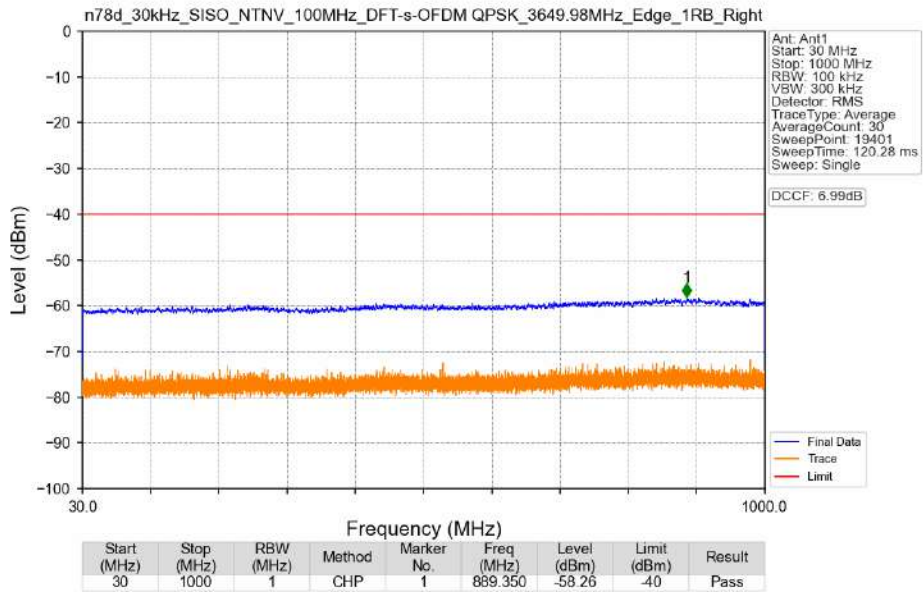
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3624.99MHz_Edge_1RB_Left



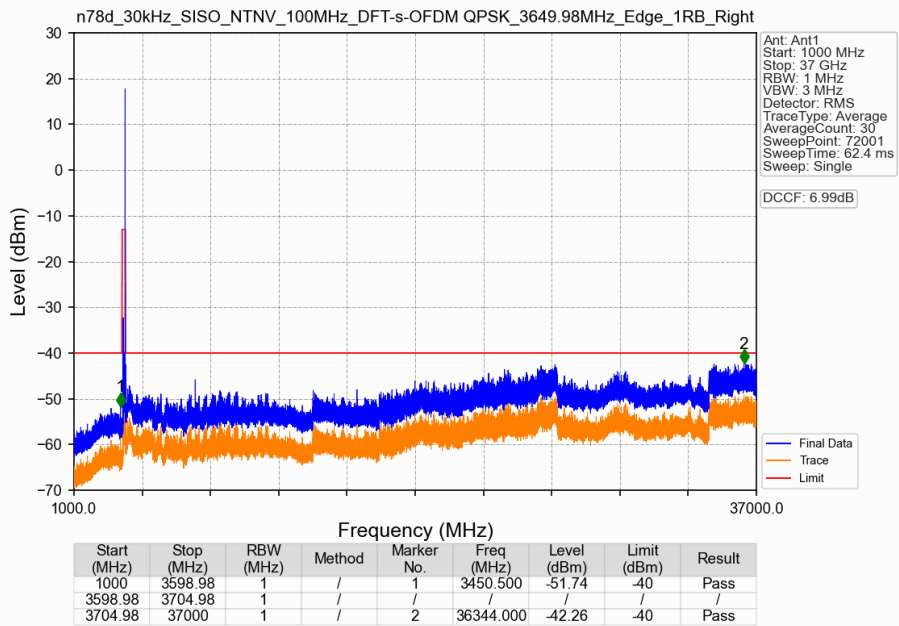
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3649.98MHz_Edge_1RB_Right



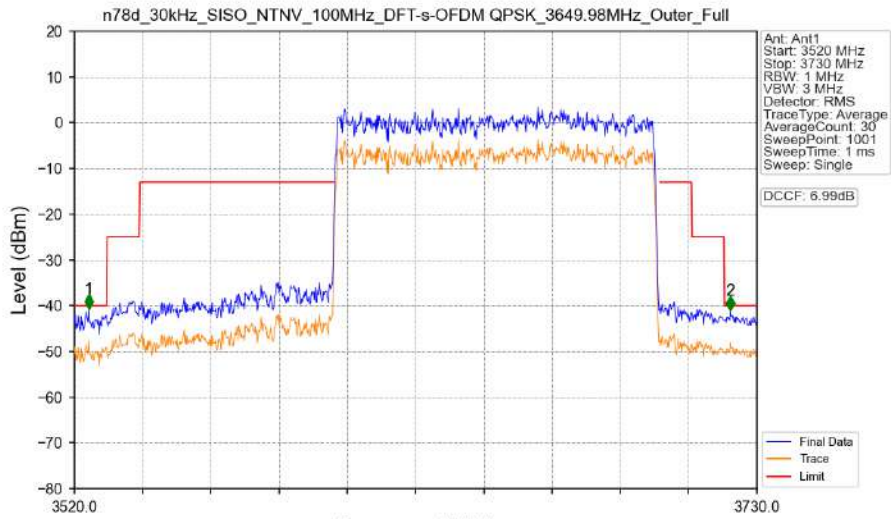
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3649.98MHz_Edge_1RB_Right



n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3649.98MHz_Edge_1RB_Right

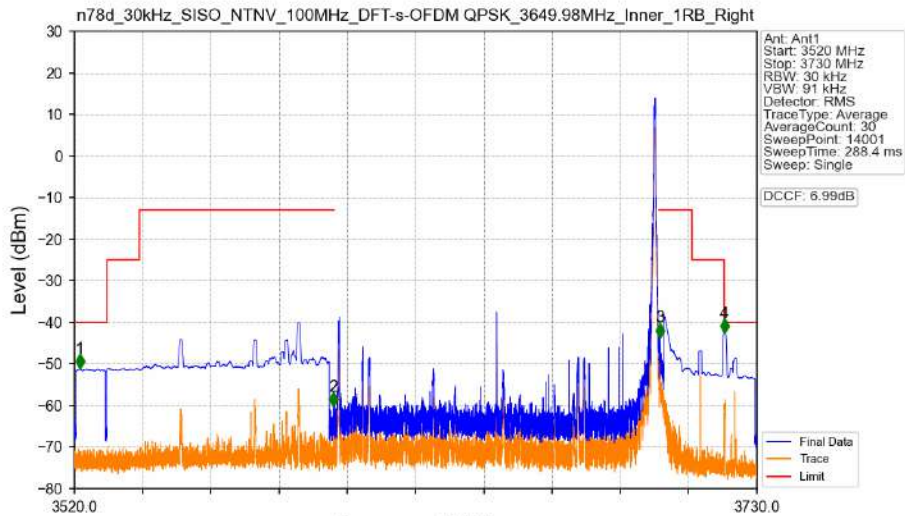


n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3649.98MHz_Outer_Full



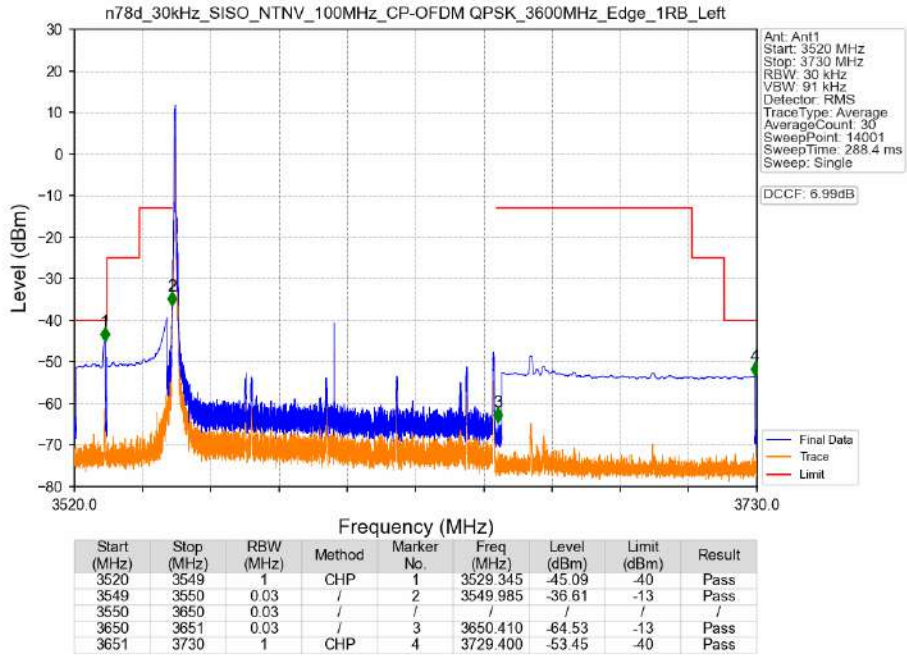
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3599.98	1	/	1	3524.410	-40.63	-40	Pass
3599.98	3699.98	1	/	/	/	/	/	/
3699.98	3730	1	/	2	3721.810	-40.99	-40	Pass

n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3649.98MHz_Inner_1RB_Right

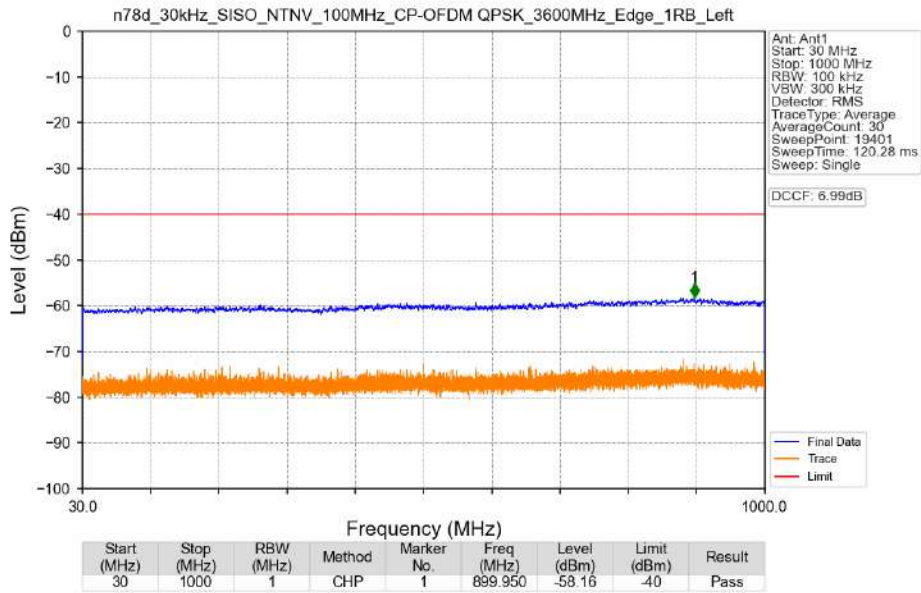


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3598.98	1	CHP	1	3521.740	-51.18	-40	Pass
3598.98	3599.98	0.03	/	2	3599.710	-60.30	-13	Pass
3599.98	3699.98	0.03	/	/	/	/	/	/
3699.98	3700.98	0.03	/	3	3700.300	-43.65	-13	Pass
3700.98	3730	1	CHP	4	3720.010	-42.64	-40	Pass

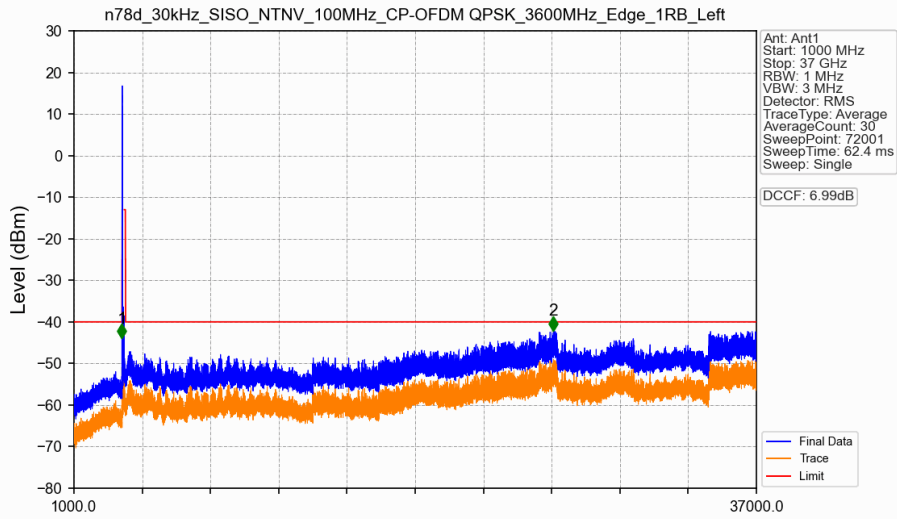
n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3600MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3600MHz_Edge_1RB_Left

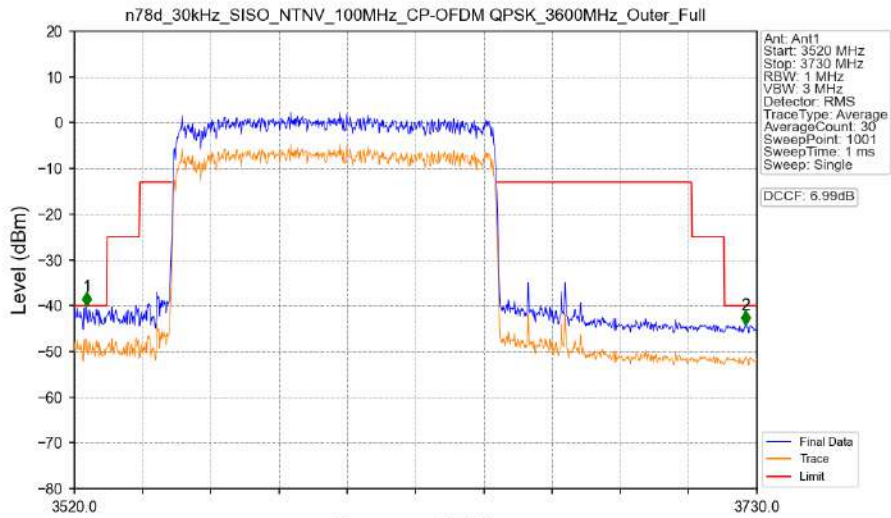


n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3600MHz_Edge_1RB_Left



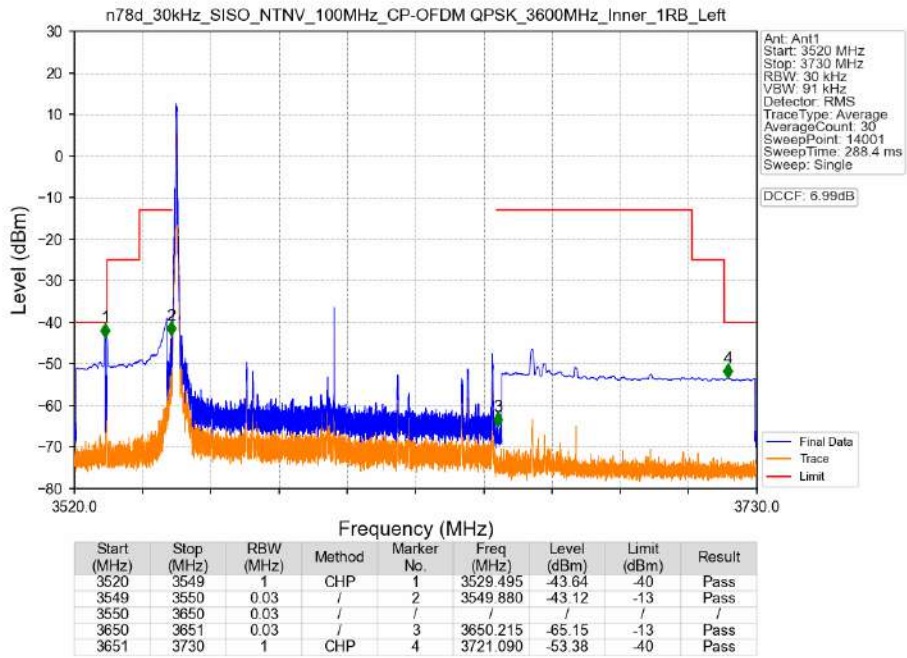
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3549	1	/	1	3529.000	-43.88	-40	Pass
3549	3655	1	/	/	/	/	/	/
3655	37000	1	/	2	26297.500	-42.07	-40	Pass

n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3600MHz_Outer_Full

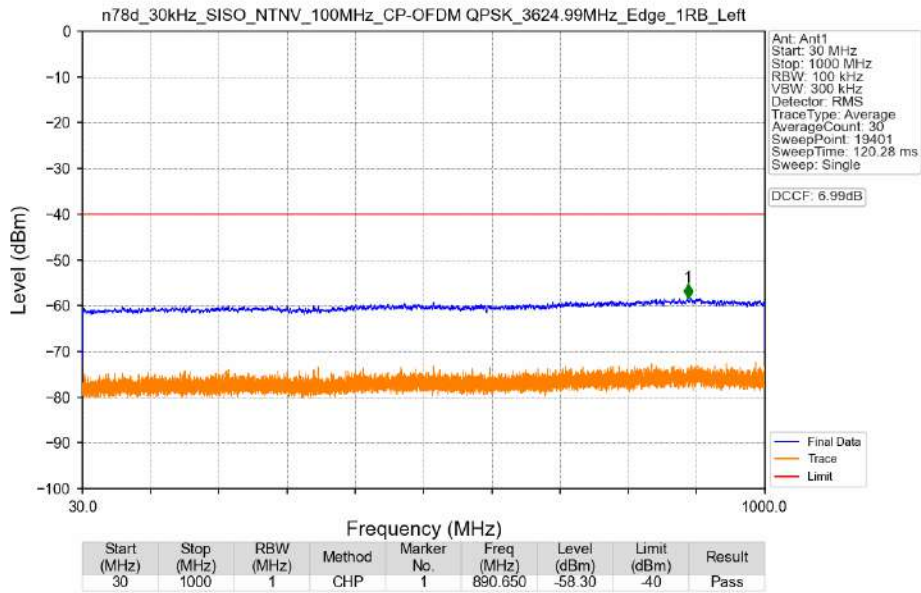


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3550	1	/	1	3523.780	-40.22	-40	Pass
3550	3650	1	/	/	/	/	/	/
3650	3730	1	/	2	3726.640	-44.26	-40	Pass

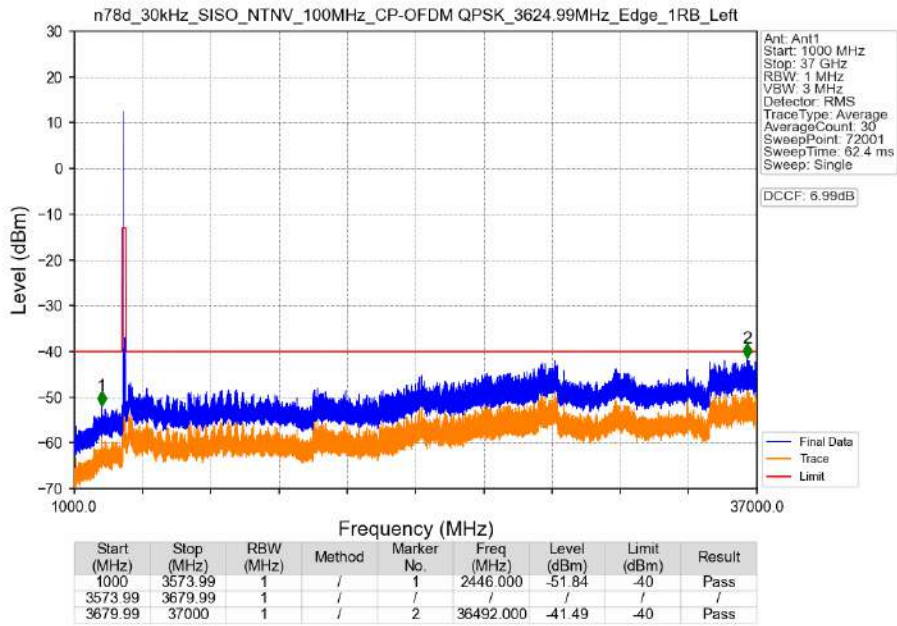
n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3600MHz_Inner_1RB_Left



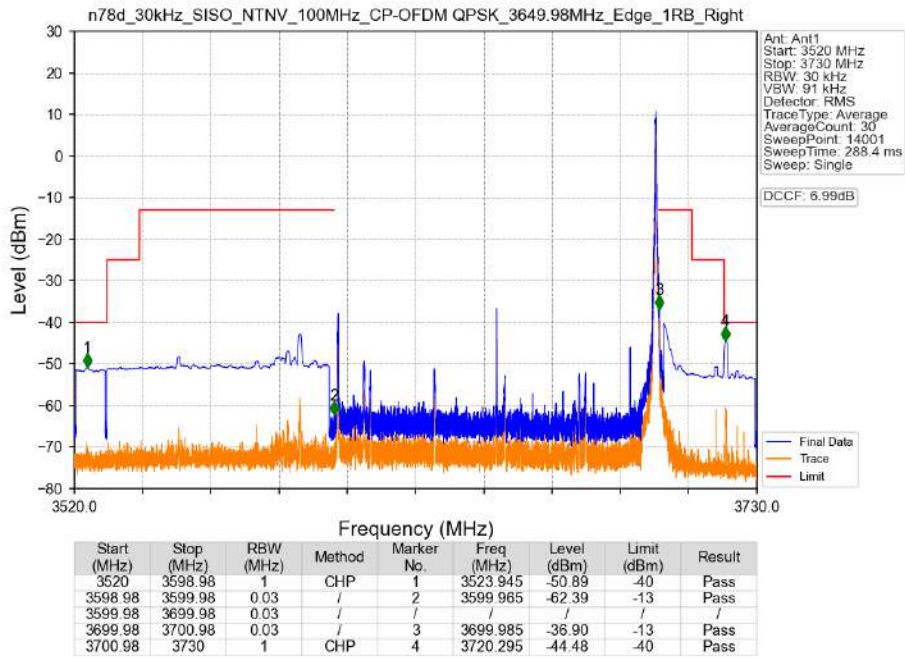
n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



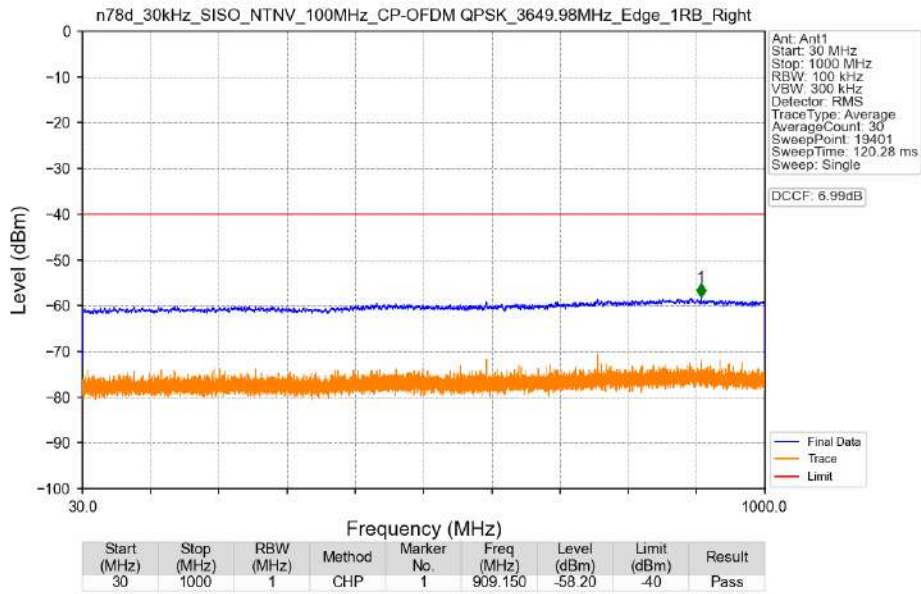
n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



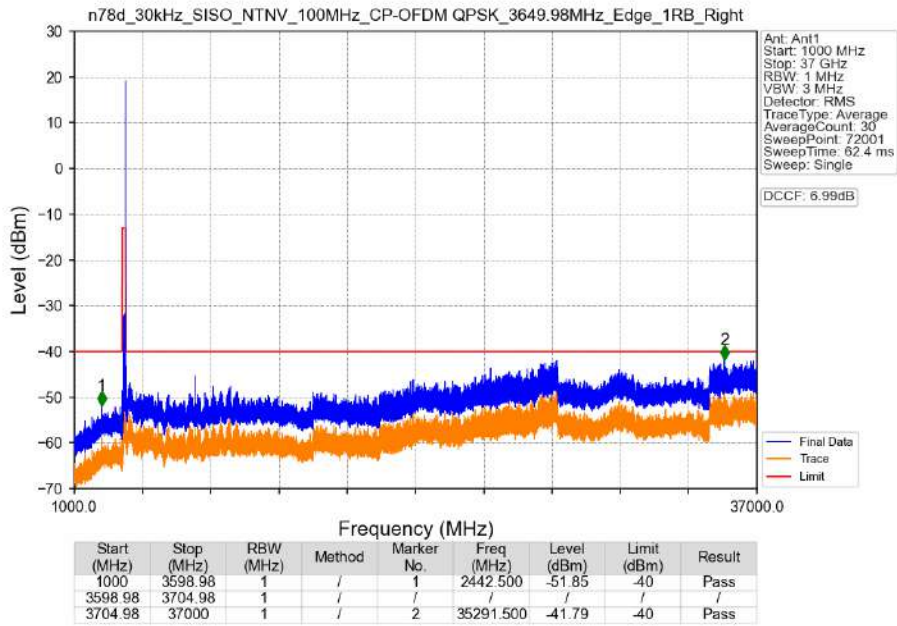
n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3649.98MHz_Edge_1RB_Right



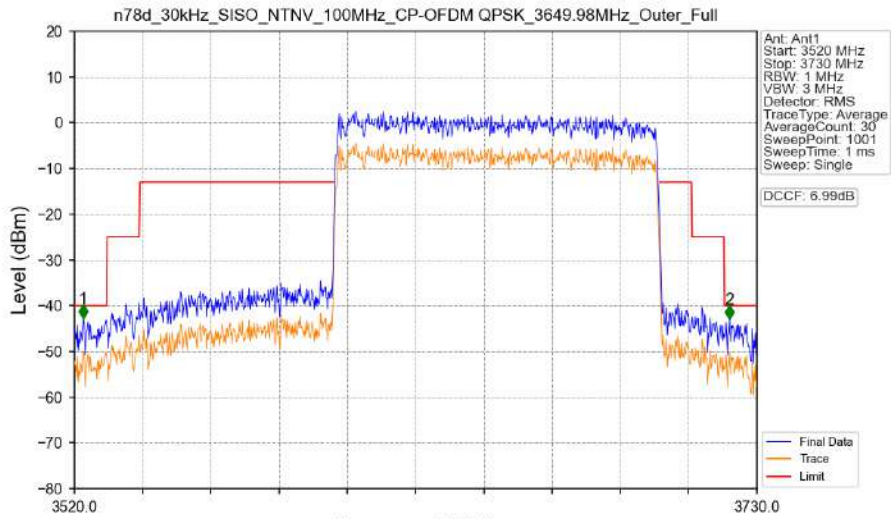
n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3649.98MHz_Edge_1RB_Right



n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3649.98MHz_Edge_1RB_Right

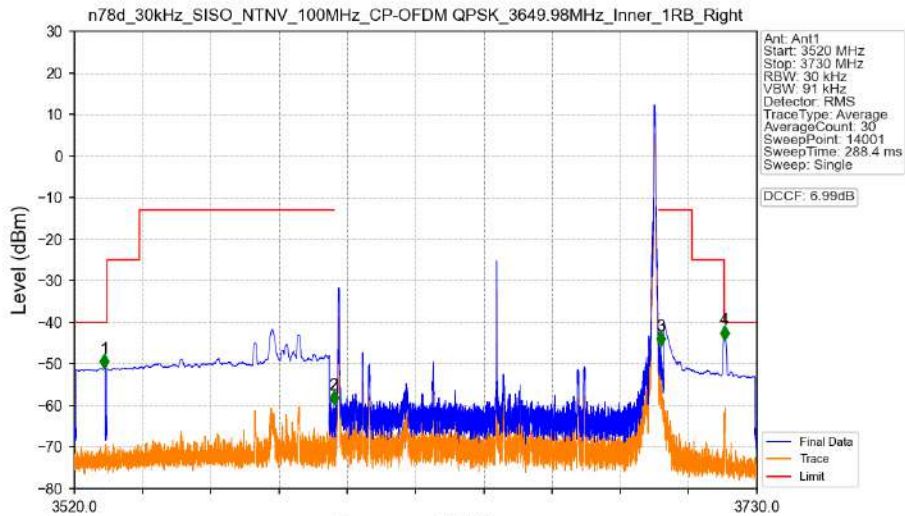


n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3649.98MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3599.98	1	/	1	3522.730	-42.83	-40	Pass
3599.98	3699.98	1	/	/	/	/	/	/
3699.98	3730	1	/	2	3721.600	-42.97	-40	Pass

n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3649.98MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3598.98	1	CHP	1	3529.210	-51.11	-40	Pass
3598.98	3599.98	0.03	/	2	3599.815	-59.89	-13	Pass
3599.98	3699.98	0.03	/	/	/	/	/	/
3699.98	3700.98	0.03	/	3	3700.390	-45.71	-13	Pass
3700.98	3730	1	CHP	4	3720.010	-44.21	-40	Pass

6. Adjacent Channel Leakage Ratio

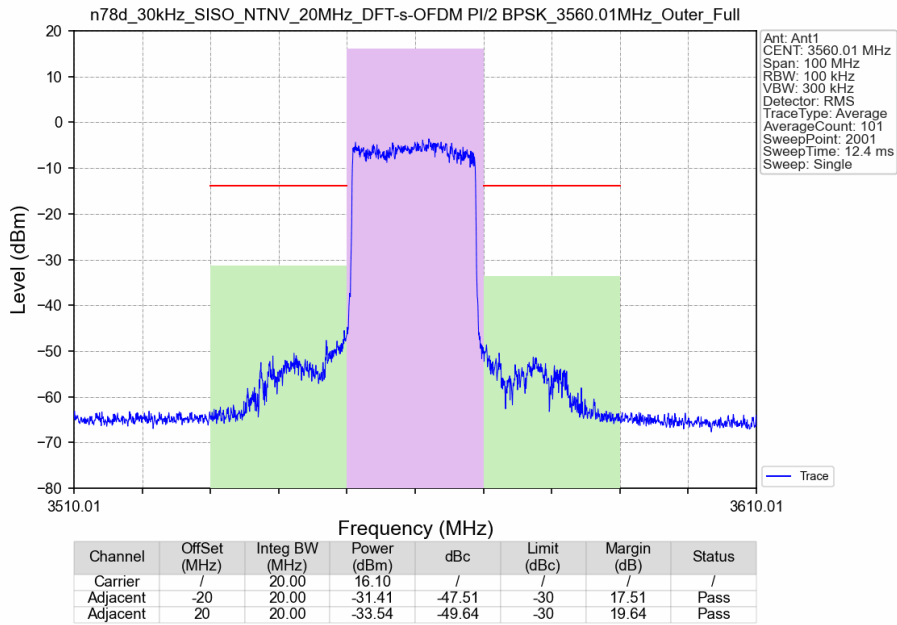
6.1 30k_SISO_20MHz_NTNV

6.1.1 Test Result

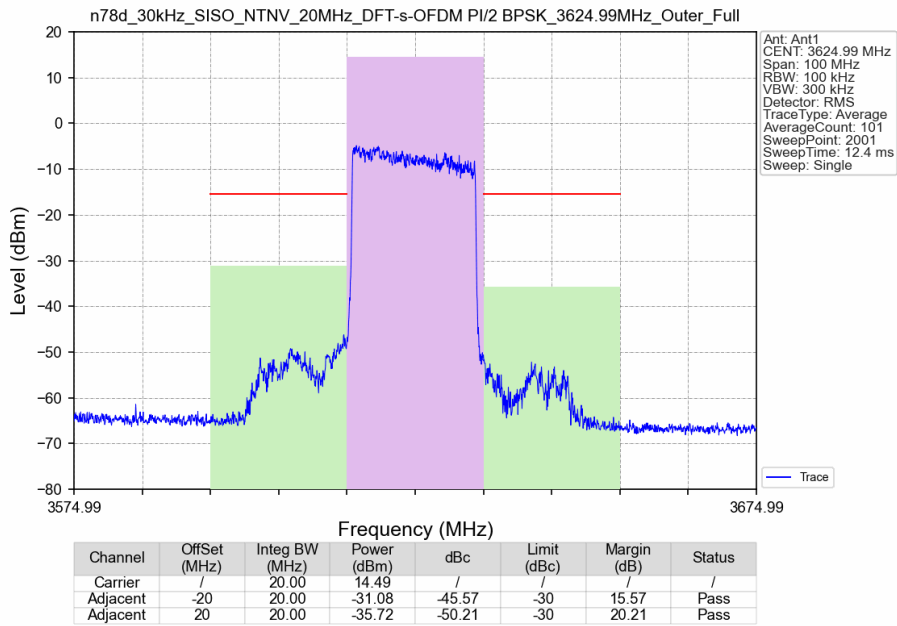
5G NR n78d SCS=30kHz SISO 20MHz NTNv					
Modulation	Frequency (MHz)	RB Allocation	Adjacent Channel Leakage Ratio		Verdict
			Result	Limit	
DFT-s-OFDM PI/2 BPSK	3560.01	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3690	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 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
DFT-s-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
DFT-s-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
DFT-s-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
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

6.1.2 Test Graph

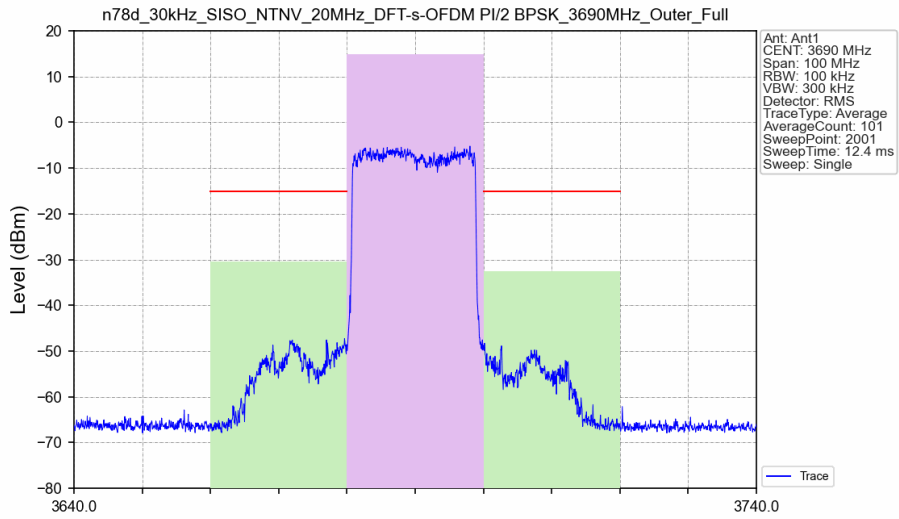
n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3560.01MHz_Outer_Full



n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full

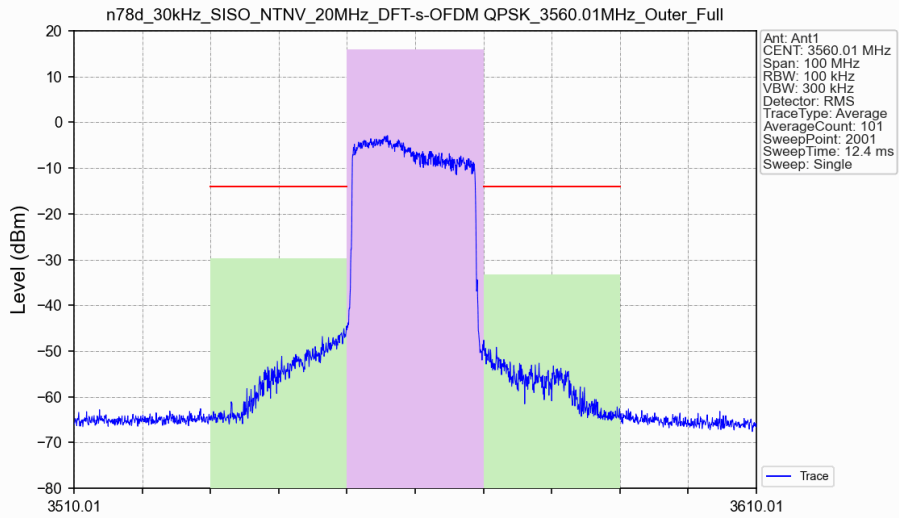


n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3690MHz_Outer_Full



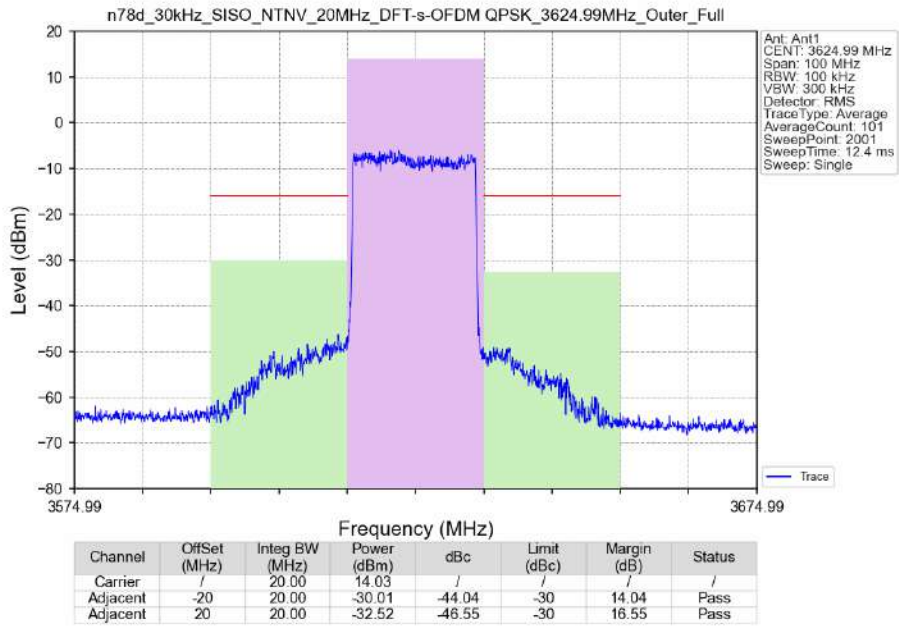
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	14.88	/	/	/	/
Adjacent	-20	20.00	-30.38	-45.26	-30	15.26	Pass
Adjacent	20	20.00	-32.56	-47.44	-30	17.44	Pass

n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3560.01MHz_Outer_Full

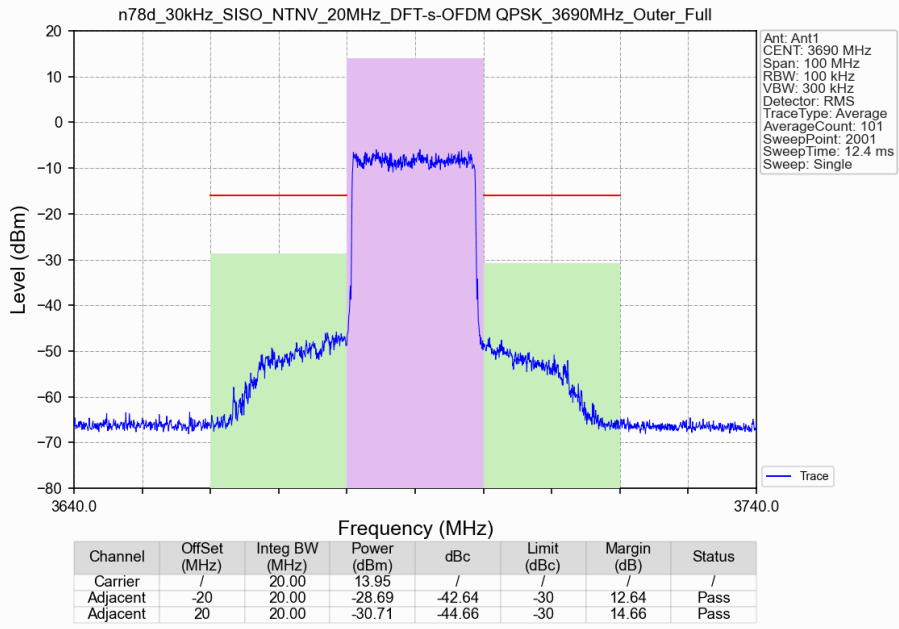


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	15.92	/	/	/	/
Adjacent	-20	20.00	-29.79	-45.71	-30	15.71	Pass
Adjacent	20	20.00	-33.20	-49.12	-30	19.12	Pass

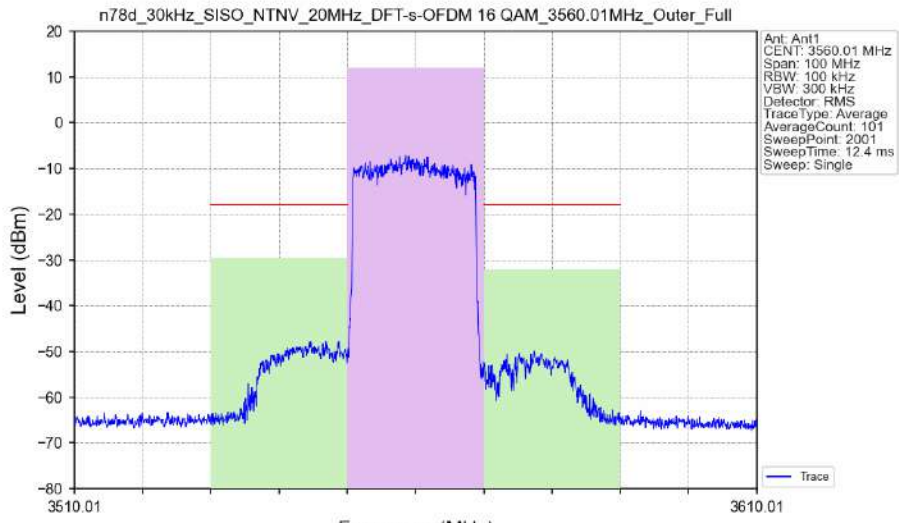
n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3690MHz_Outer_Full

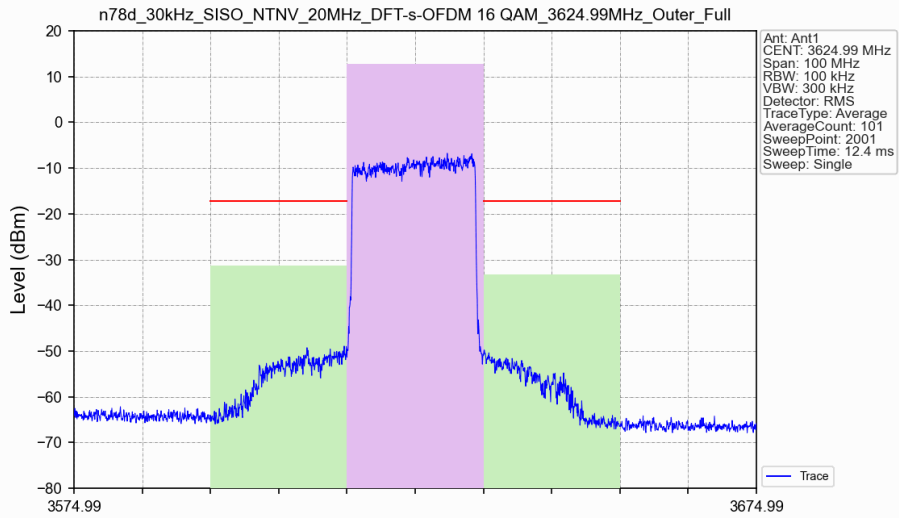


n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3560.01MHz_Outer_Full



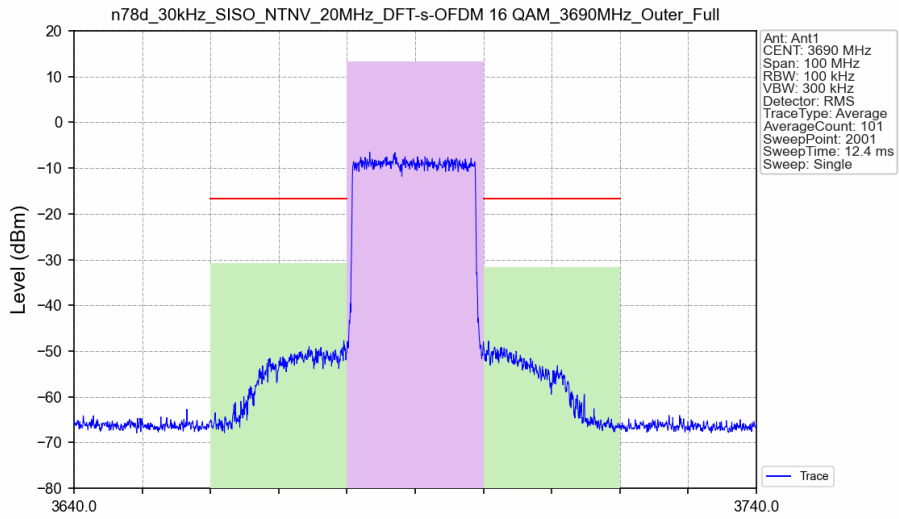
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	12.05	/	/	/	/
Adjacent	-20	20.00	-29.48	-41.53	-30	11.53	Pass
Adjacent	20	20.00	-32.09	-44.14	-30	14.14	Pass

n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



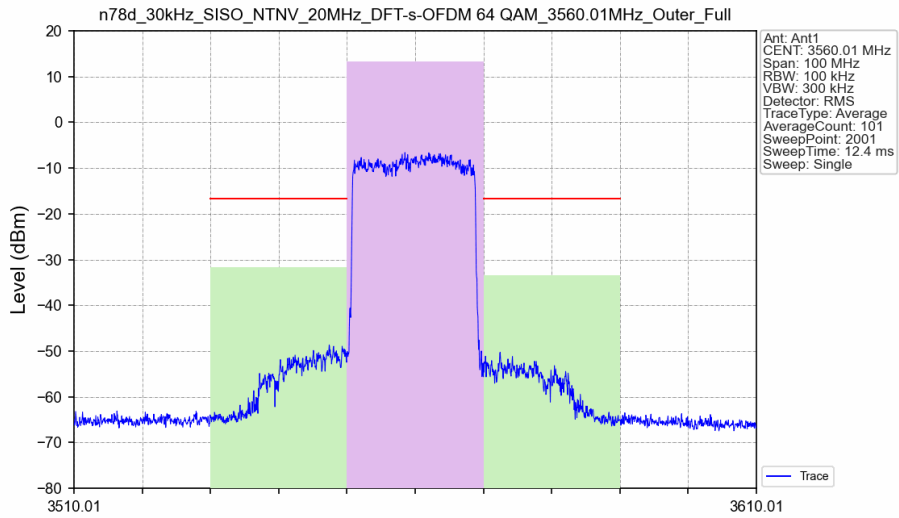
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	12.74	/	/	/	/
Adjacent	-20	20.00	-31.38	-44.12	-30	14.12	Pass
Adjacent	20	20.00	-33.35	-46.09	-30	16.09	Pass

n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3690MHz_Outer_Full



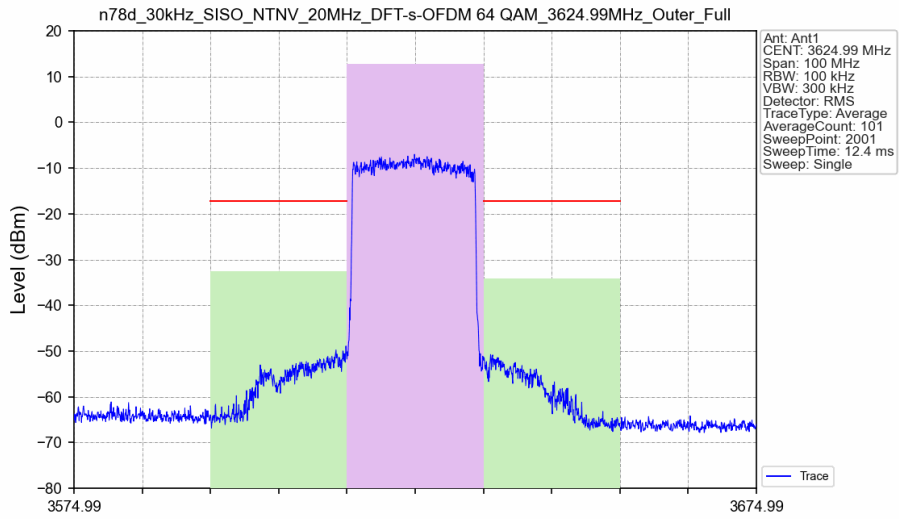
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	13.23	/	/	/	/
Adjacent	-20	20.00	-30.73	-43.96	-30	13.96	Pass
Adjacent	20	20.00	-31.69	-44.92	-30	14.92	Pass

n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3560.01MHz_Outer_Full



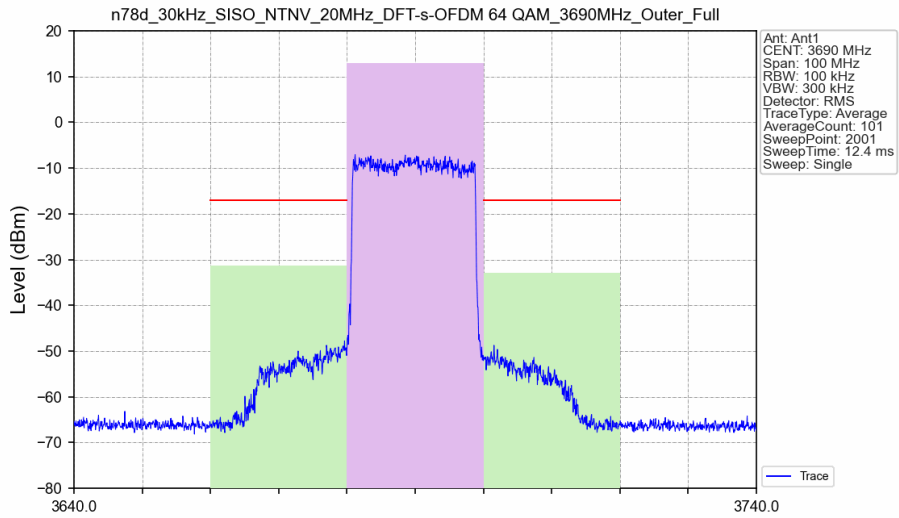
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	13.25	/	/	/	/
Adjacent	-20	20.00	-31.68	-44.93	-30	14.93	Pass
Adjacent	20	20.00	-33.52	-46.77	-30	16.77	Pass

n78d_30kHz_SISO_NTV_20MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



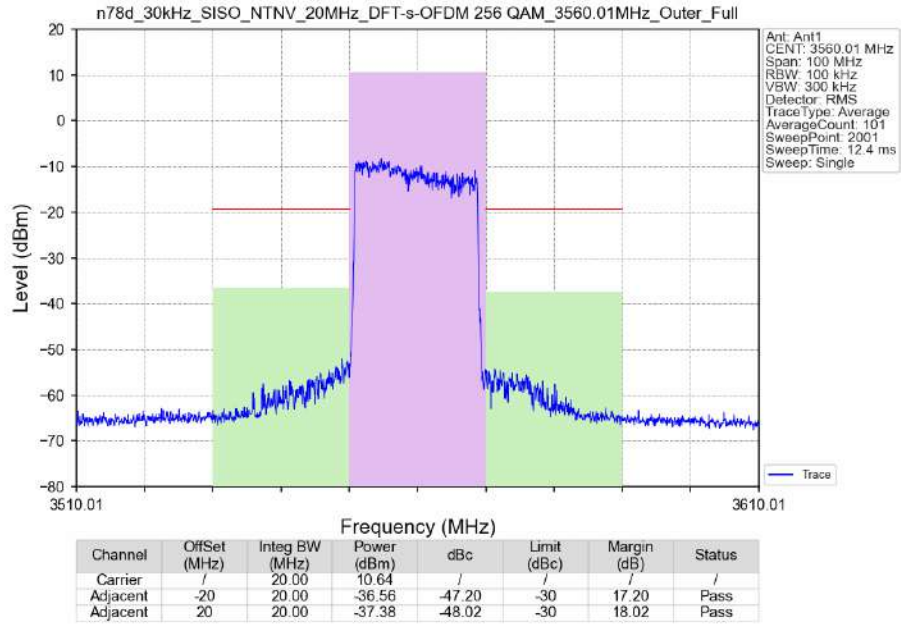
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	12.77	/	/	/	/
Adjacent	-20	20.00	-32.57	-45.34	-30	15.34	Pass
Adjacent	20	20.00	-34.20	-46.97	-30	16.97	Pass

n78d_30kHz_SISO_NTV_20MHz_DFT-s-OFDM 64 QAM_3690MHz_Outer_Full

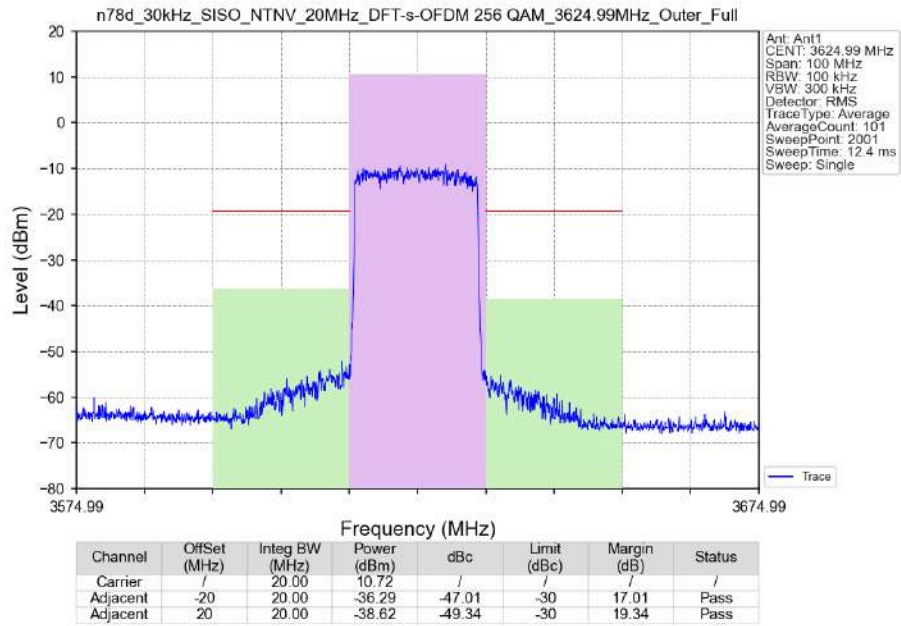


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	12.95	/	/	/	/
Adjacent	-20	20.00	-31.27	-44.22	-30	14.22	Pass
Adjacent	20	20.00	-32.90	-45.85	-30	15.85	Pass

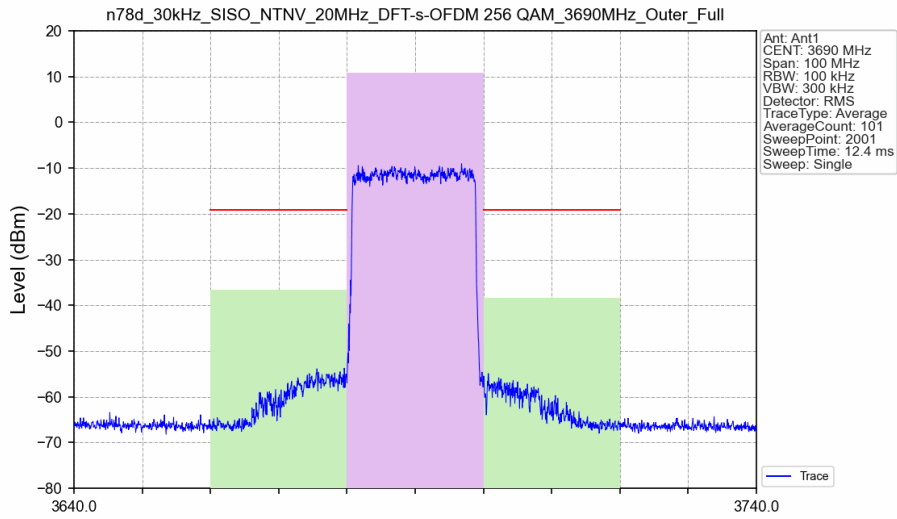
n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_3560.01MHz_Outer_Full



n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full

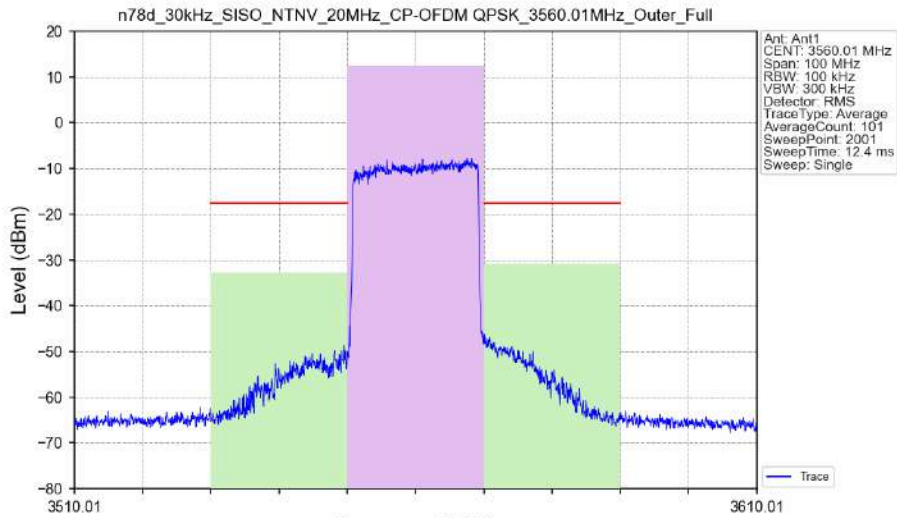


n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_3690MHz_Outer_Full



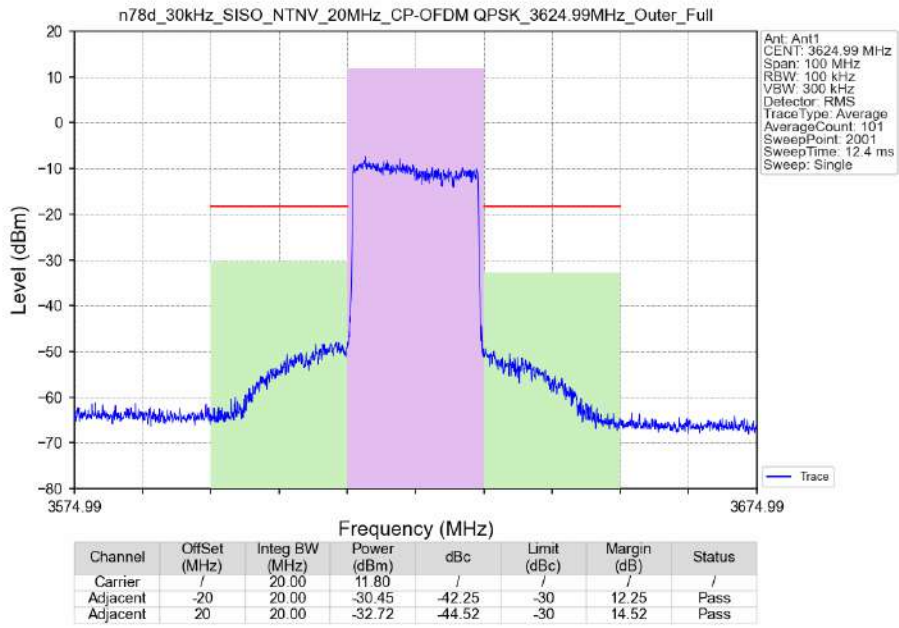
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	10.82	/	/	/	/
Adjacent	-20	20.00	-36.53	-47.35	-30	17.35	Pass
Adjacent	20	20.00	-38.36	-49.18	-30	19.18	Pass

n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Outer_Full

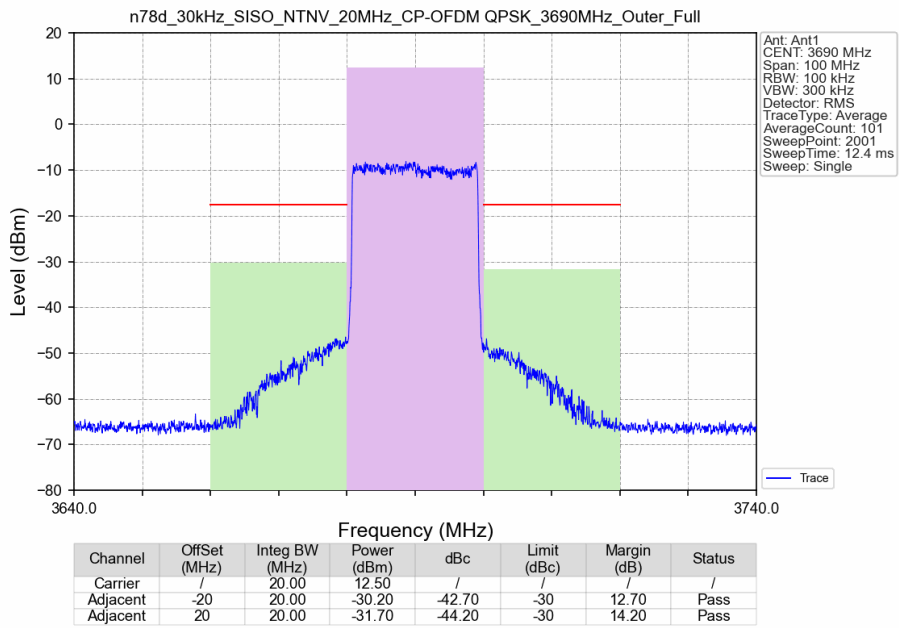


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	12.41	/	/	/	/
Adjacent	-20	20.00	-32.67	-45.08	-30	15.08	Pass
Adjacent	20	20.00	-30.81	-43.22	-30	13.22	Pass

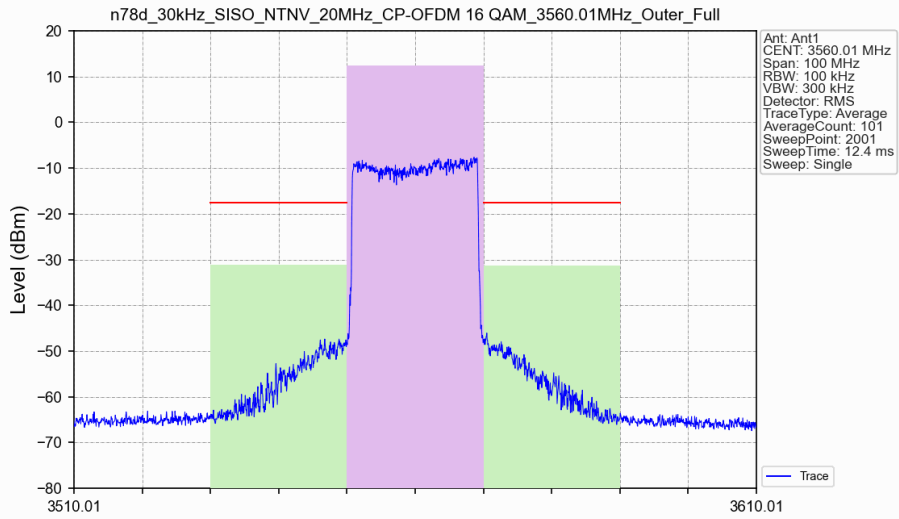
n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3690MHz_Outer_Full

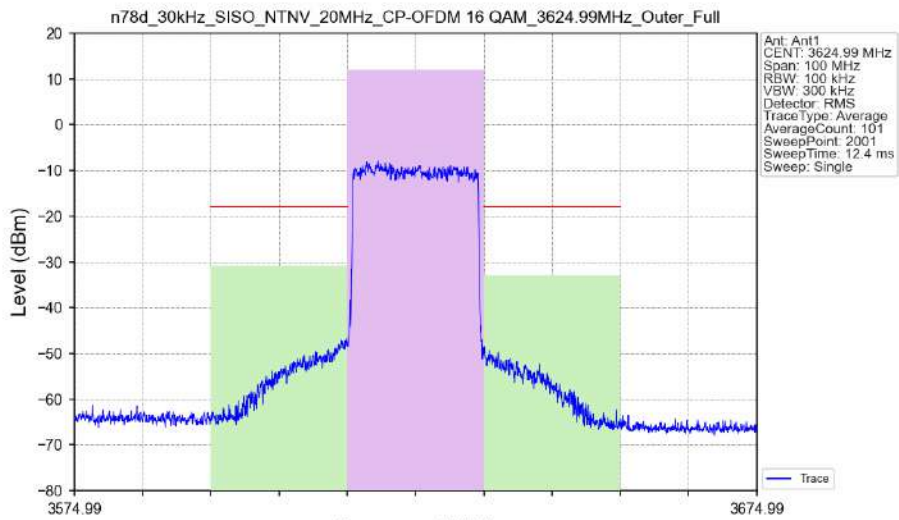


n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3560.01MHz_Outer_Full



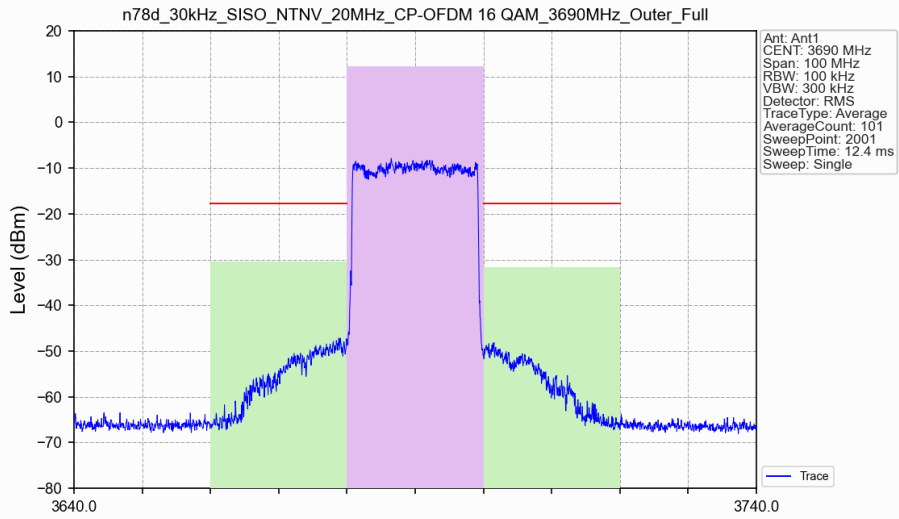
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	12.50	/	/	/	/
Adjacent	-20	20.00	-31.09	-43.59	-30	13.59	Pass
Adjacent	20	20.00	-31.37	-43.87	-30	13.87	Pass

n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



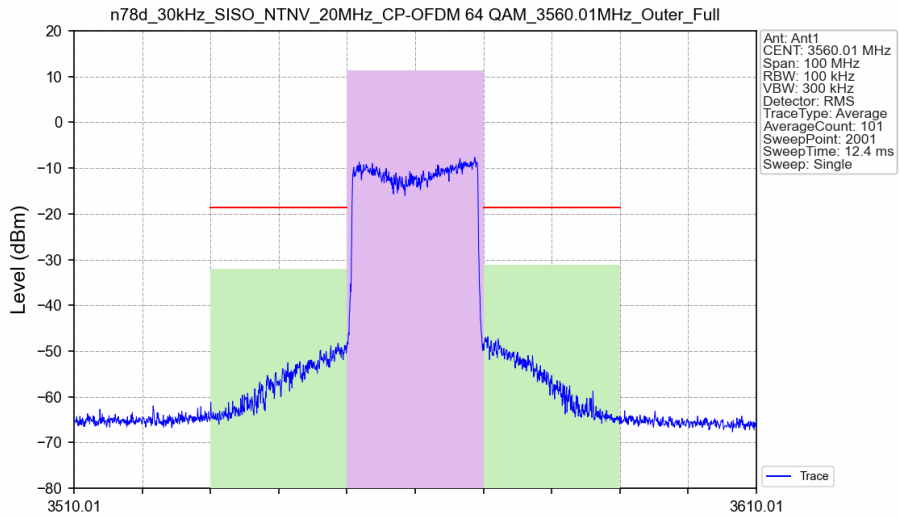
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	12.09	/	/	/	/
Adjacent	-20	20.00	-30.74	-42.83	-30	12.83	Pass
Adjacent	20	20.00	-32.90	-44.99	-30	14.99	Pass

n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3690MHz_Outer_Full



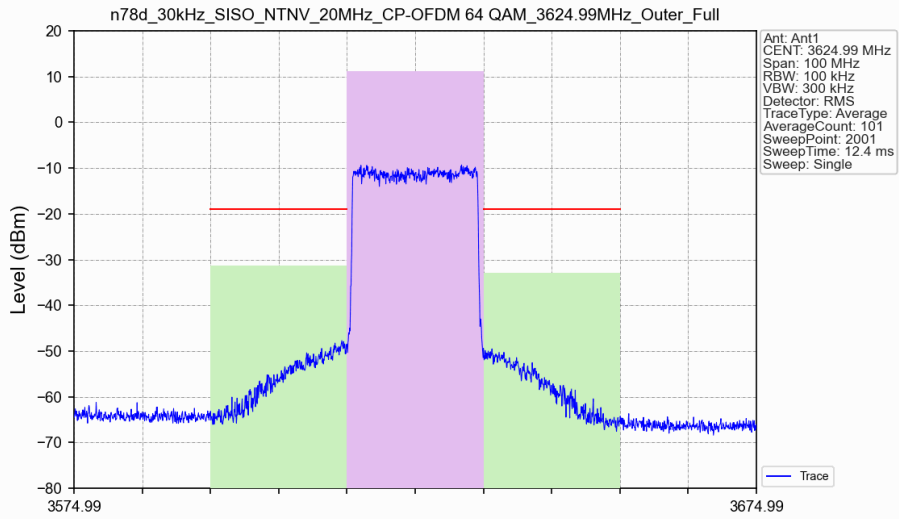
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	12.32	/	/	/	/
Adjacent	-20	20.00	-30.46	-42.78	-30	12.78	Pass
Adjacent	20	20.00	-31.76	-44.08	-30	14.08	Pass

n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3560.01MHz_Outer_Full



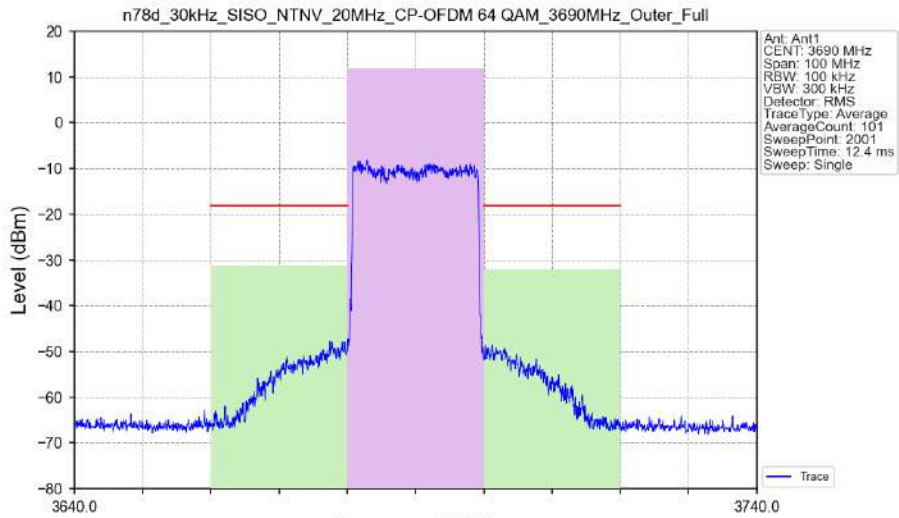
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	11.36	/	/	/	/
Adjacent	-20	20.00	-32.04	-43.40	-30	13.40	Pass
Adjacent	20	20.00	-31.18	-42.54	-30	12.54	Pass

n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



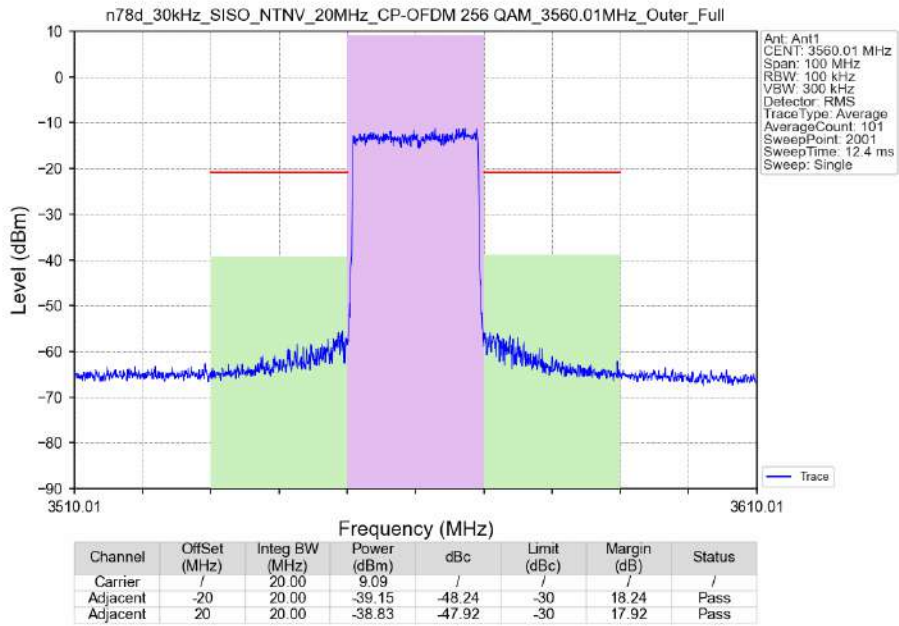
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	11.10	/	/	/	/
Adjacent	-20	20.00	-31.30	-42.40	-30	12.40	Pass
Adjacent	20	20.00	-32.89	-43.99	-30	13.99	Pass

n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3690MHz_Outer_Full

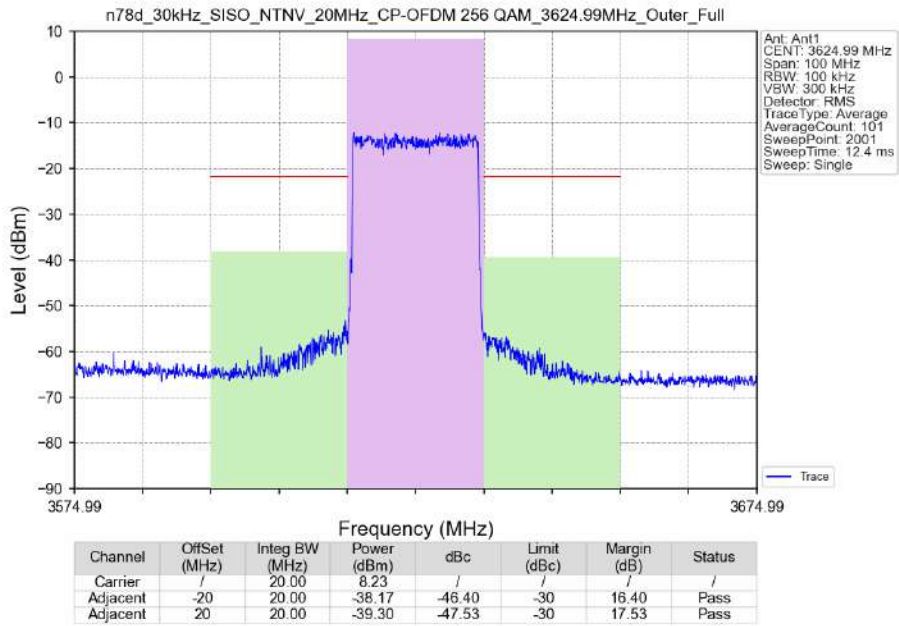


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	11.83	/	/	/	/
Adjacent	-20	20.00	-31.21	-43.04	-30	13.04	Pass
Adjacent	20	20.00	-32.09	-43.92	-30	13.92	Pass

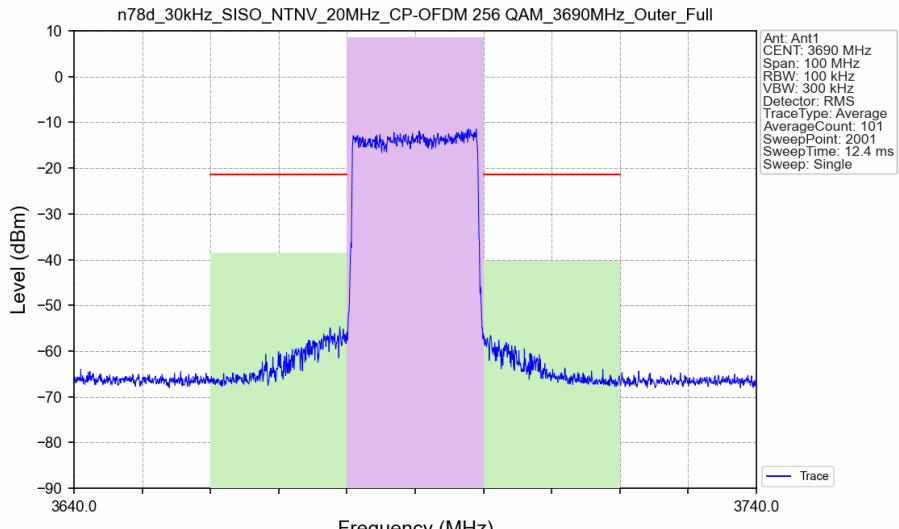
n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3560.01MHz_Outer_Full



n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3690MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	8.62	/	/	/	/
Adjacent	-20	20.00	-38.42	-47.04	-30	17.04	Pass
Adjacent	20	20.00	-40.20	-48.82	-30	18.82	Pass

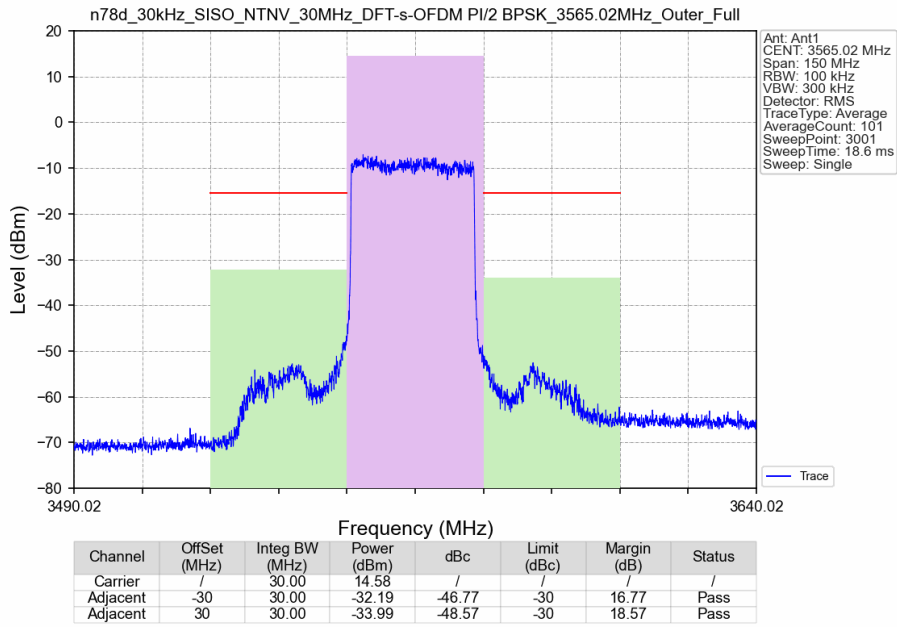
6.2 30k_SISO_30MHz_NTNV

6.2.1 Test Result

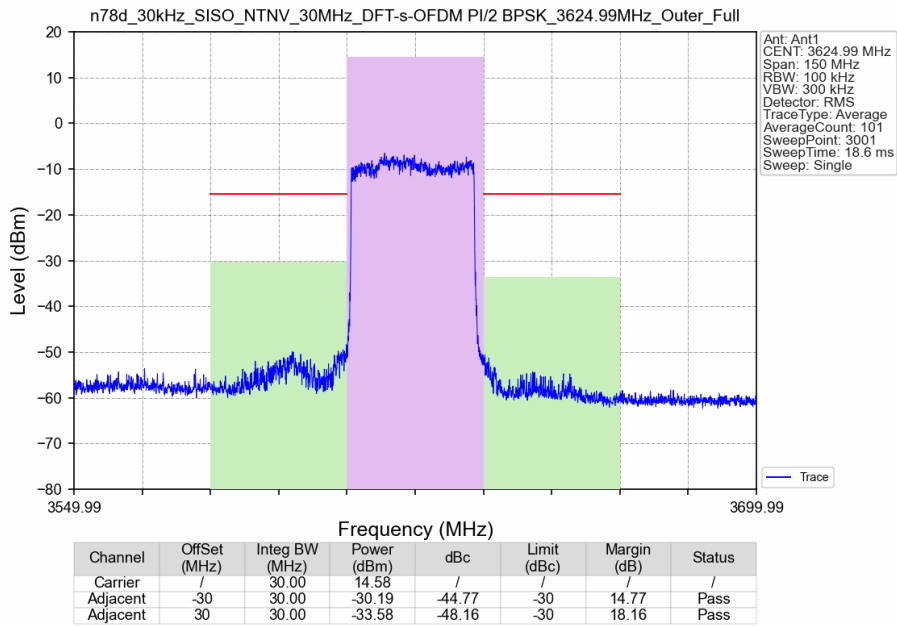
5G NR n78d SCS=30kHz SISO 30MHz NTN					
Modulation	Frequency (MHz)	RB Allocation	Adjacent Channel Leakage Ratio		Verdict
			Result	Limit	
DFT-s-OFDM PI/2 BPSK	3565.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3684.99	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM QPSK	3565.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3684.99	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 16 QAM	3565.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3684.99	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 64 QAM	3565.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3684.99	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 256 QAM	3565.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3684.99	Outer_Full	Refer To Test Graph		Pass
CP-OFDM QPSK	3565.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3684.99	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 16 QAM	3565.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3684.99	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 64 QAM	3565.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3684.99	Outer_Full	Refer To Test Graph		Pass
CP-OFDM 256 QAM	3565.02	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3684.99	Outer_Full	Refer To Test Graph		Pass

6.2.2 Test Graph

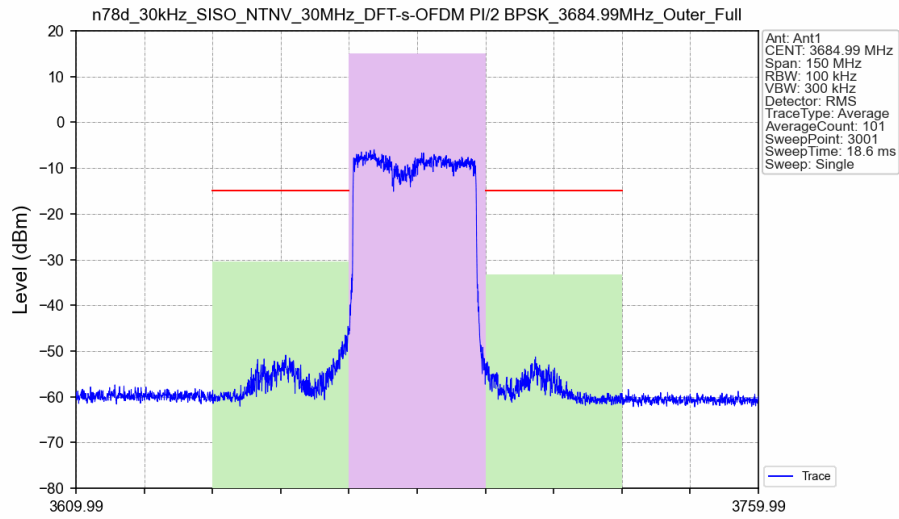
n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3565.02MHz_Outer_Full



n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full

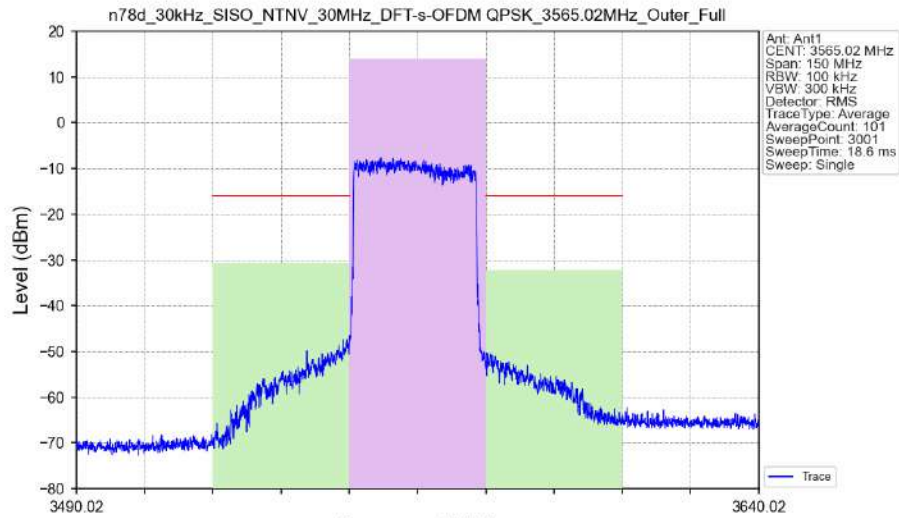


n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3684.99MHz_Outer_Full



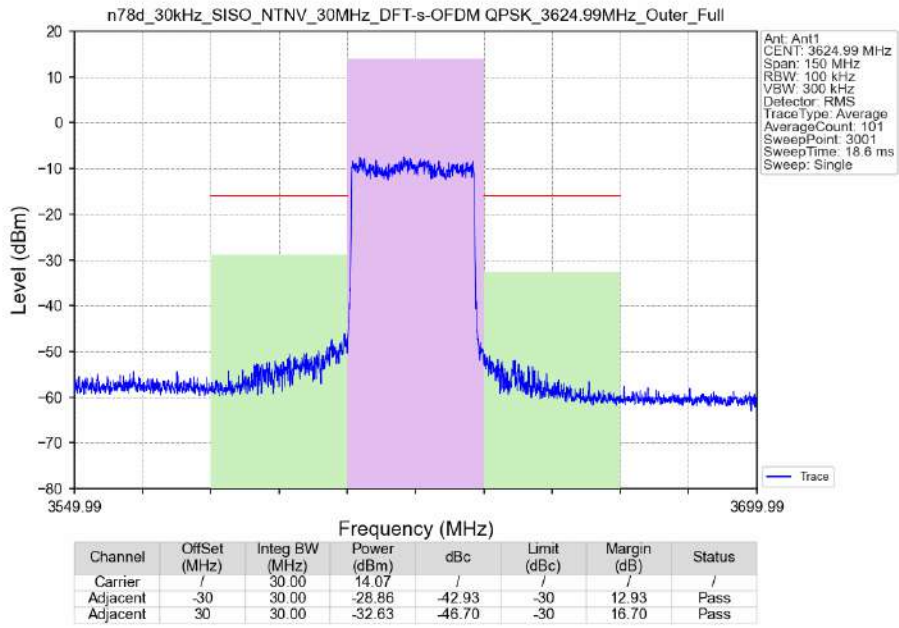
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	15.11	/	/	/	/
Adjacent	-30	30.00	-30.39	-45.50	-30	15.50	Pass
Adjacent	30	30.00	-33.21	-48.32	-30	18.32	Pass

n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3565.02MHz_Outer_Full

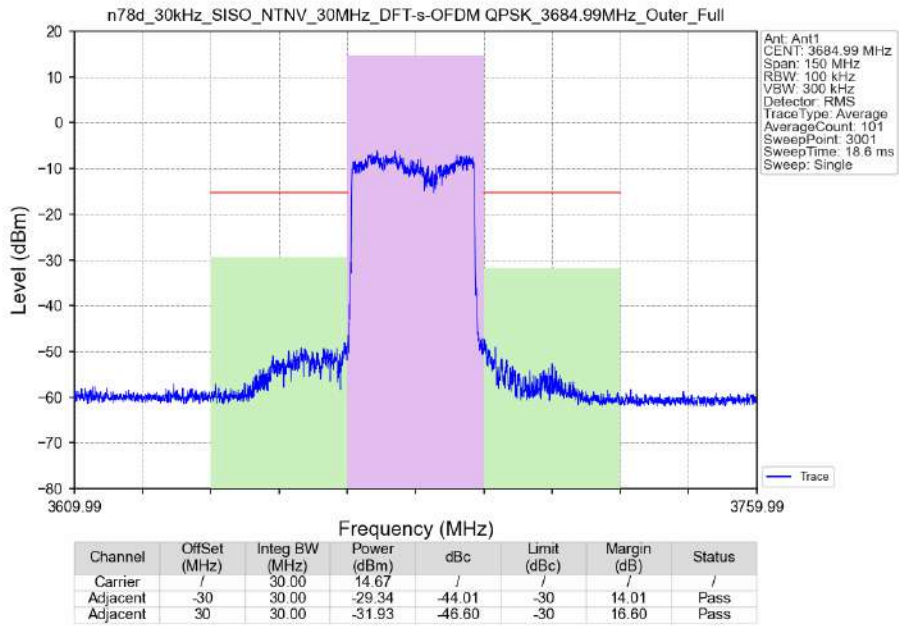


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	14.06	/	/	/	/
Adjacent	-30	30.00	-30.56	-44.62	-30	14.62	Pass
Adjacent	30	30.00	-32.27	-46.33	-30	16.33	Pass

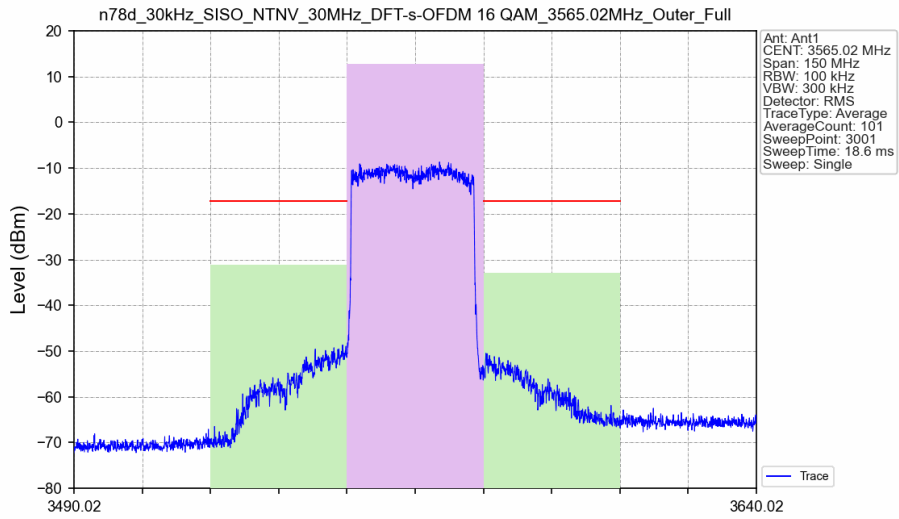
n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3684.99MHz_Outer_Full

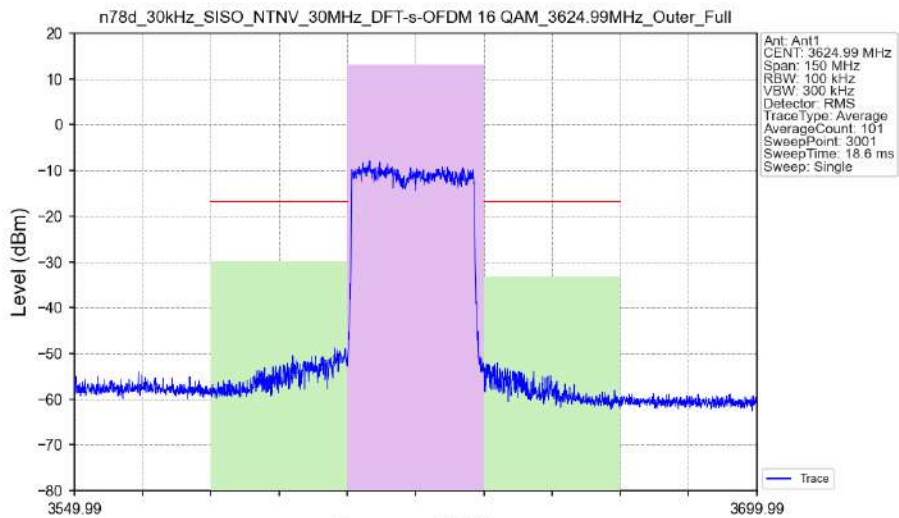


n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3565.02MHz_Outer_Full



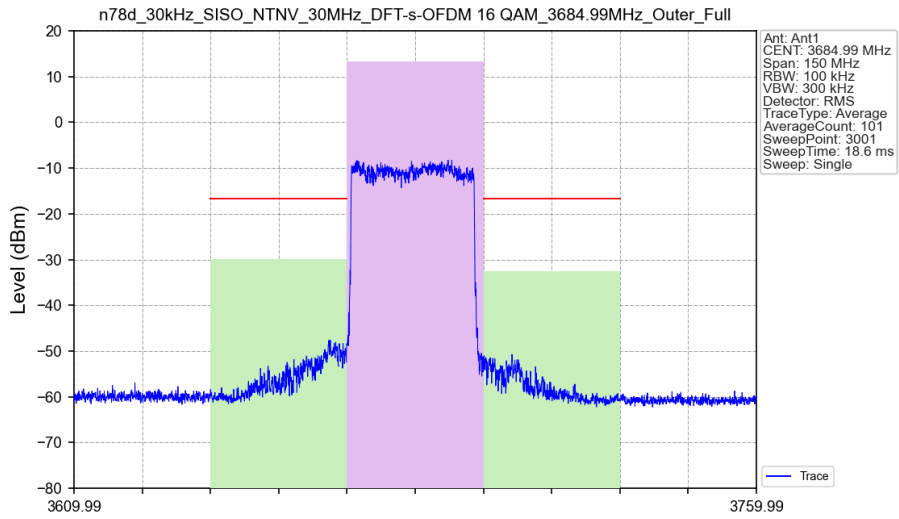
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	12.82	/	/	/	/
Adjacent	-30	30.00	-31.12	-43.94	-30	13.94	Pass
Adjacent	30	30.00	-32.87	-45.69	-30	15.69	Pass

n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



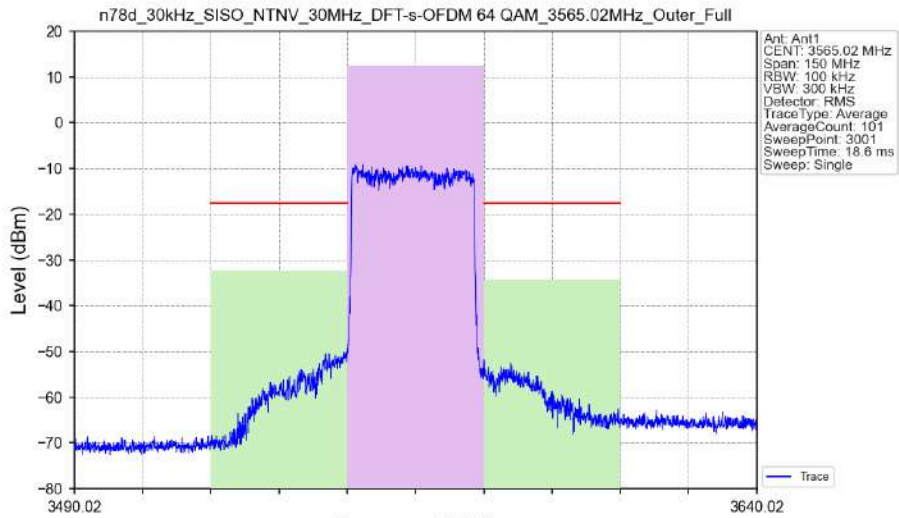
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	13.11	/	/	/	/
Adjacent	-30	30.00	-29.91	-43.02	-30	13.02	Pass
Adjacent	30	30.00	-33.21	-46.32	-30	16.32	Pass

n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3684.99MHz_Outer_Full



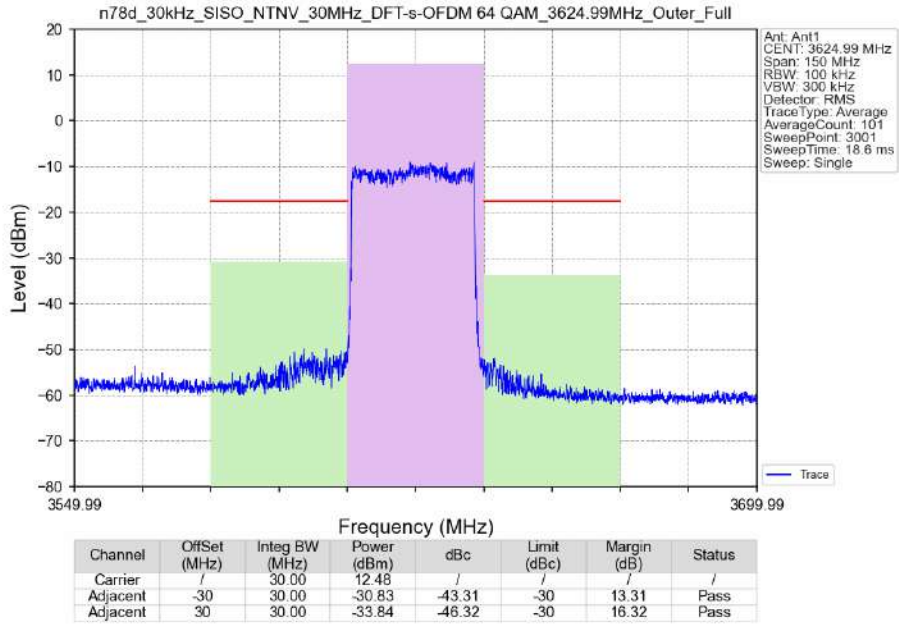
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	13.37	/	/	/	/
Adjacent	-30	30.00	-29.90	-43.27	-30	13.27	Pass
Adjacent	30	30.00	-32.52	-45.89	-30	15.89	Pass

n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3565.02MHz_Outer_Full

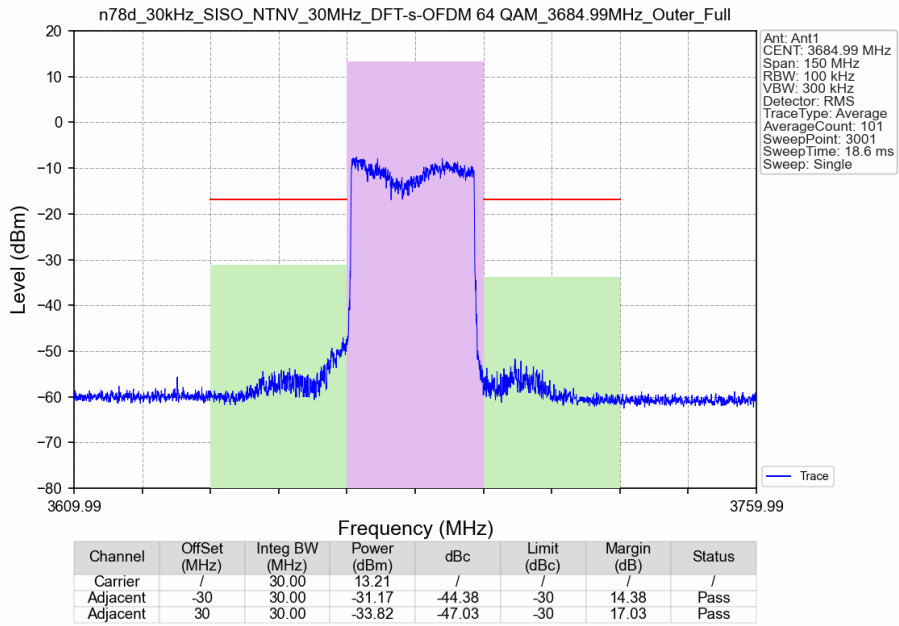


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	12.47	/	/	/	/
Adjacent	-30	30.00	-32.39	-44.86	-30	14.86	Pass
Adjacent	30	30.00	-34.25	-46.72	-30	16.72	Pass

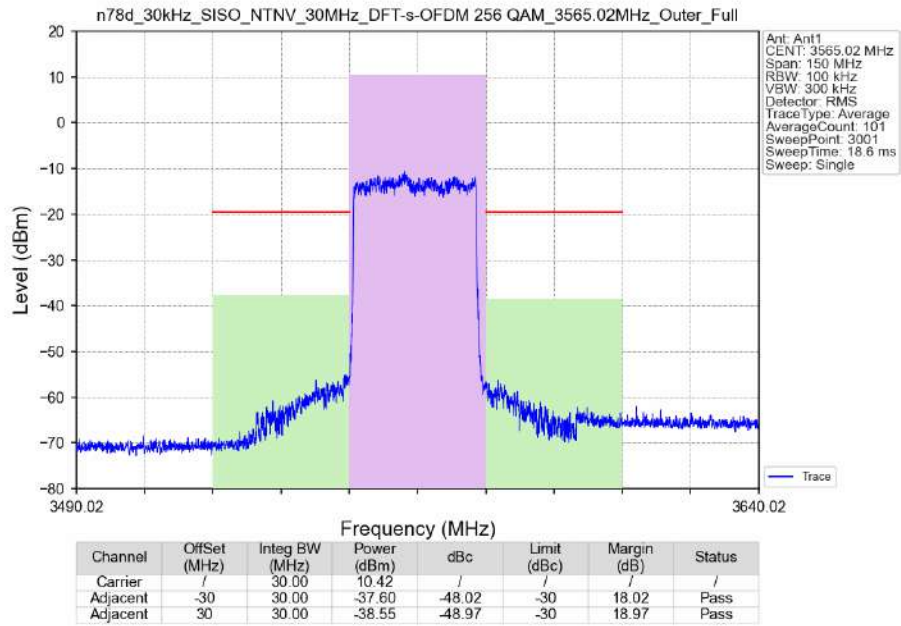
n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



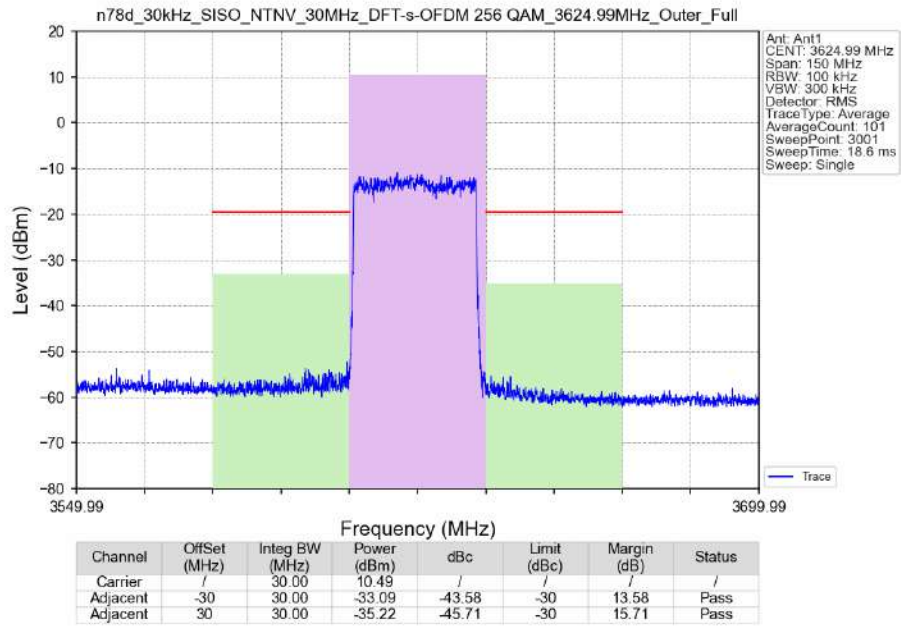
n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3684.99MHz_Outer_Full



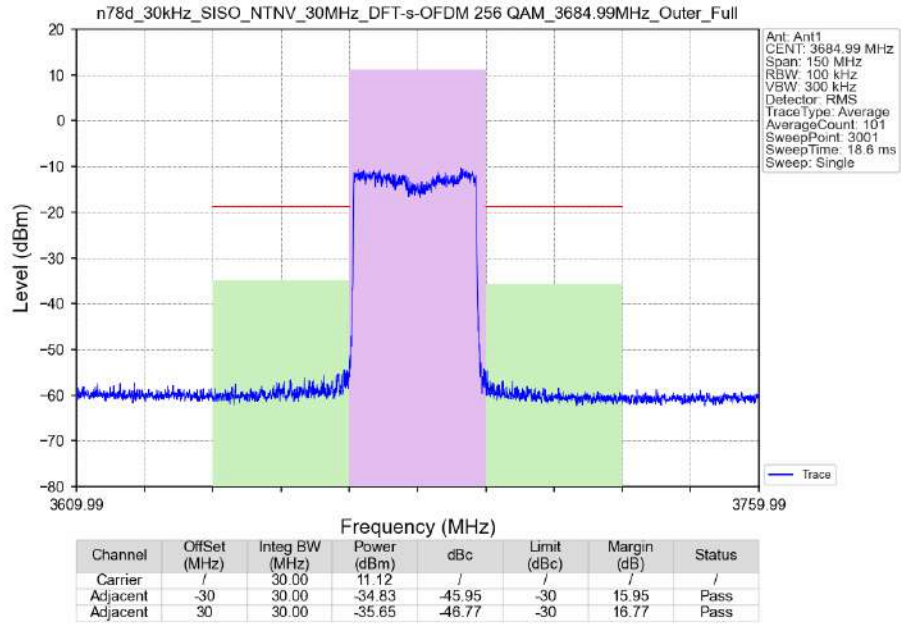
n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_3565.02MHz_Outer_Full



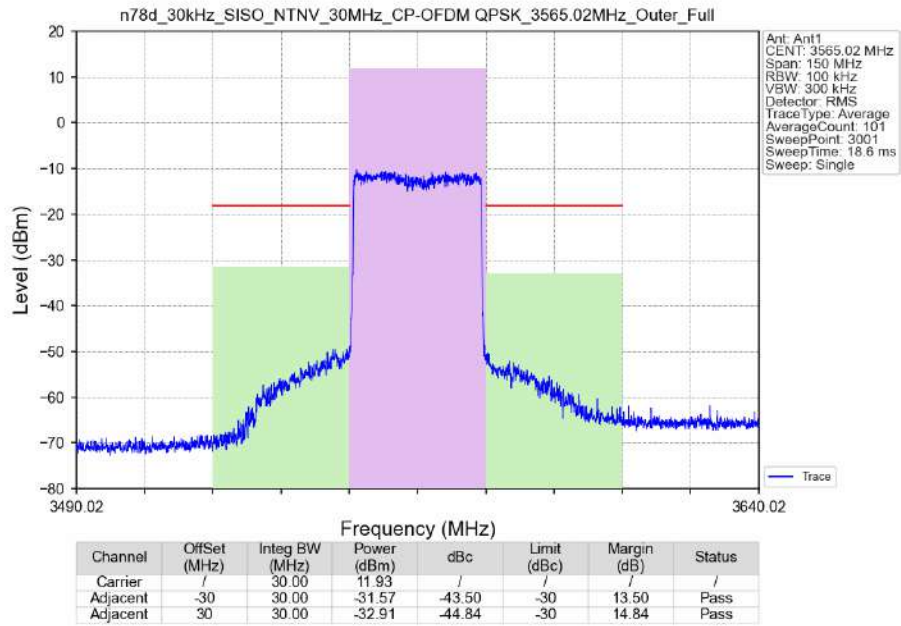
n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full



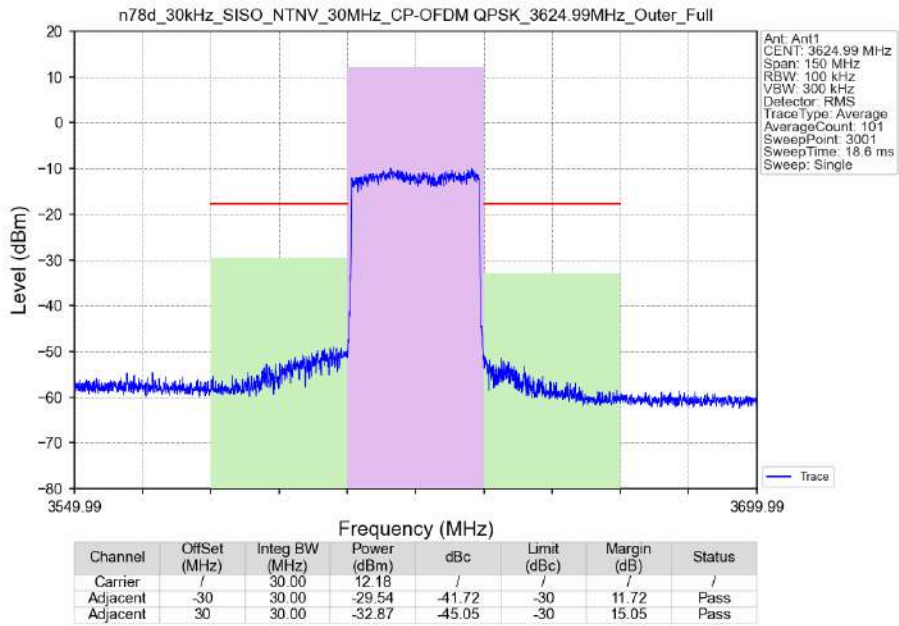
n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_3684.99MHz_Outer_Full



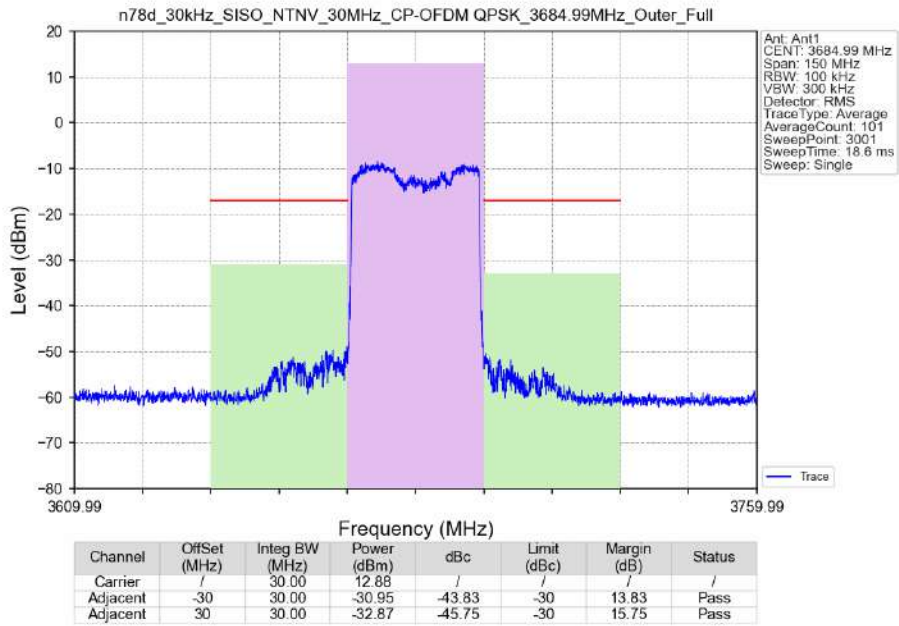
n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Outer_Full



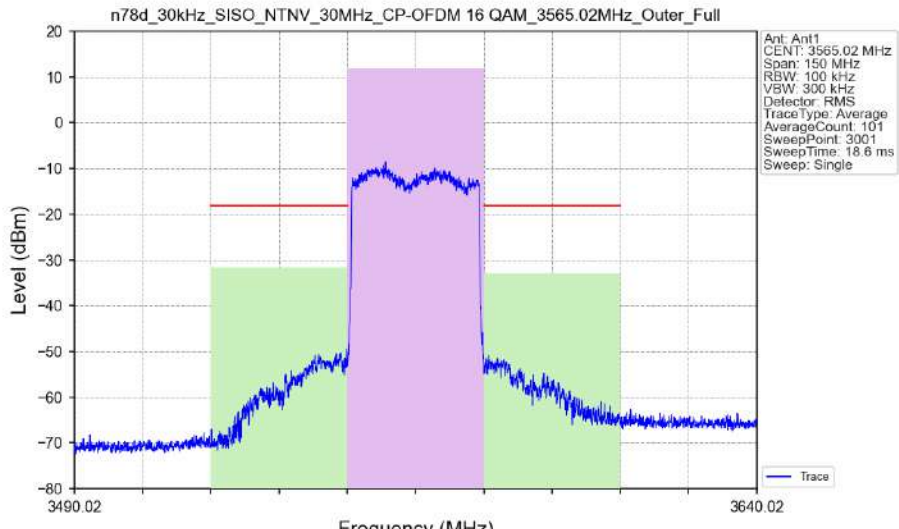
n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3684.99MHz_Outer_Full

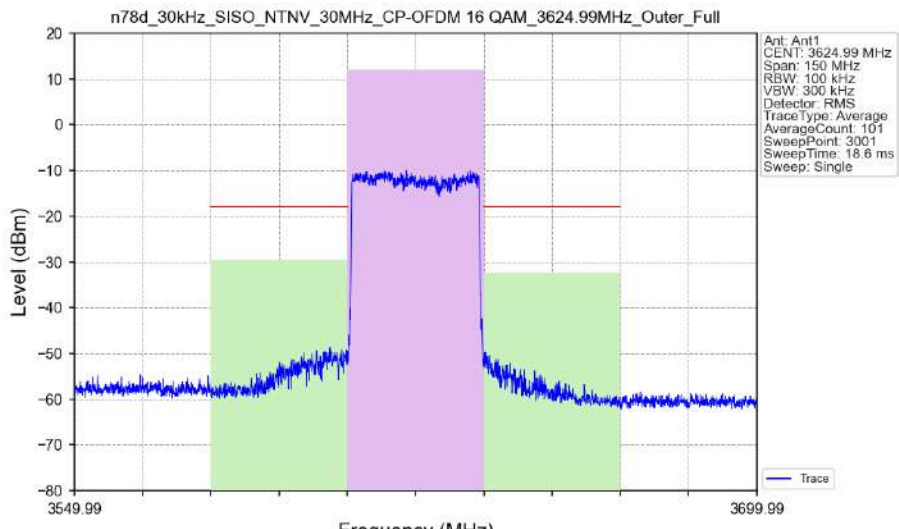


n78d_30kHz_SISO_NTV_30MHz_CP-OFDM 16 QAM_3565.02MHz_Outer_Full



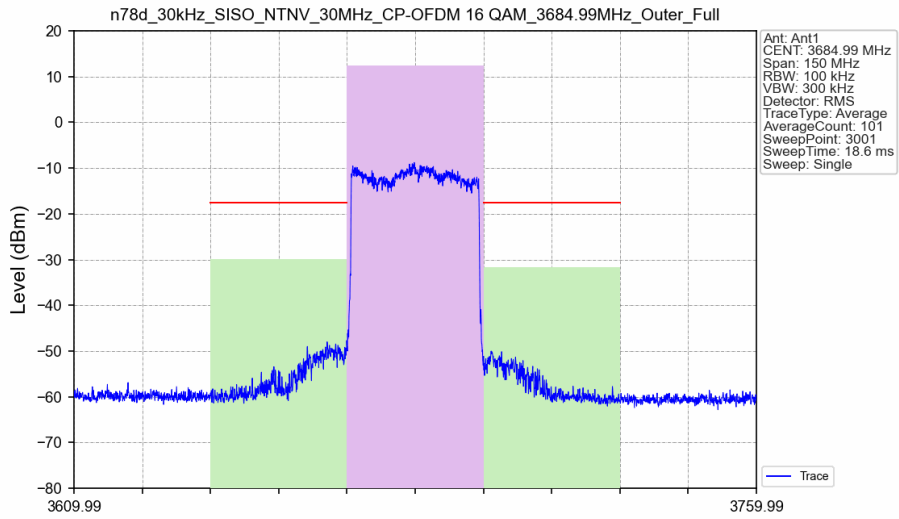
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	11.96	/	/	/	/
Adjacent	-30	30.00	-31.76	-43.72	-30	13.72	Pass
Adjacent	30	30.00	-32.84	-44.80	-30	14.80	Pass

n78d_30kHz_SISO_NTV_30MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



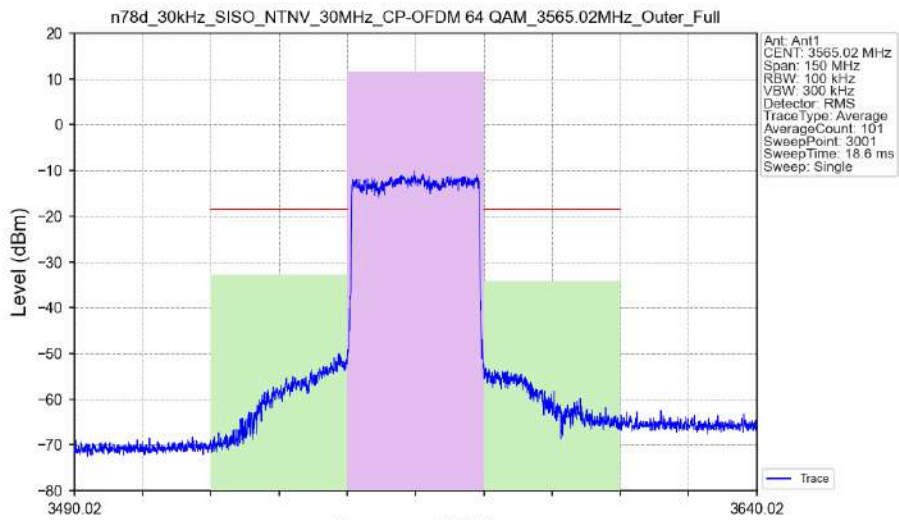
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	12.12	/	/	/	/
Adjacent	-30	30.00	-29.58	-41.70	-30	11.70	Pass
Adjacent	30	30.00	-32.40	-44.52	-30	14.52	Pass

n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_3684.99MHz_Outer_Full



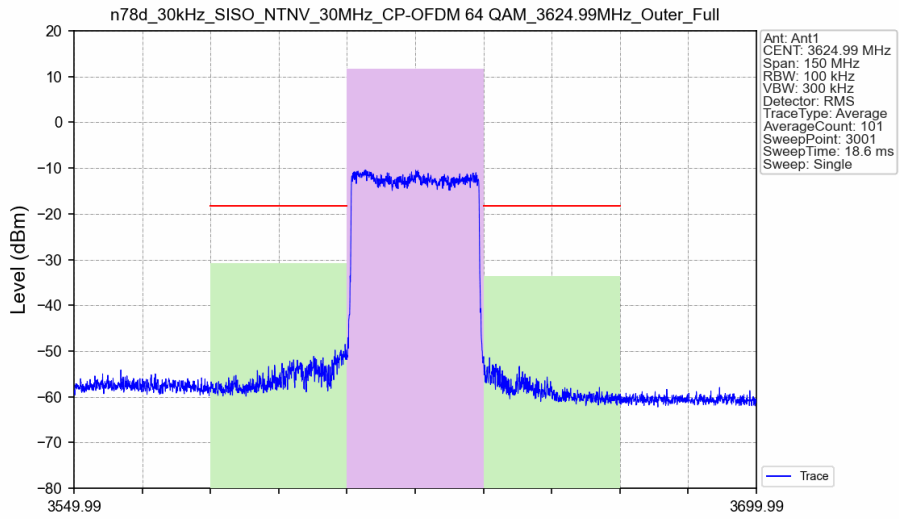
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	12.41	/	/	/	/
Adjacent	-30	30.00	-29.87	-42.28	-30	12.28	Pass
Adjacent	30	30.00	-31.69	-44.10	-30	14.10	Pass

n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3565.02MHz_Outer_Full



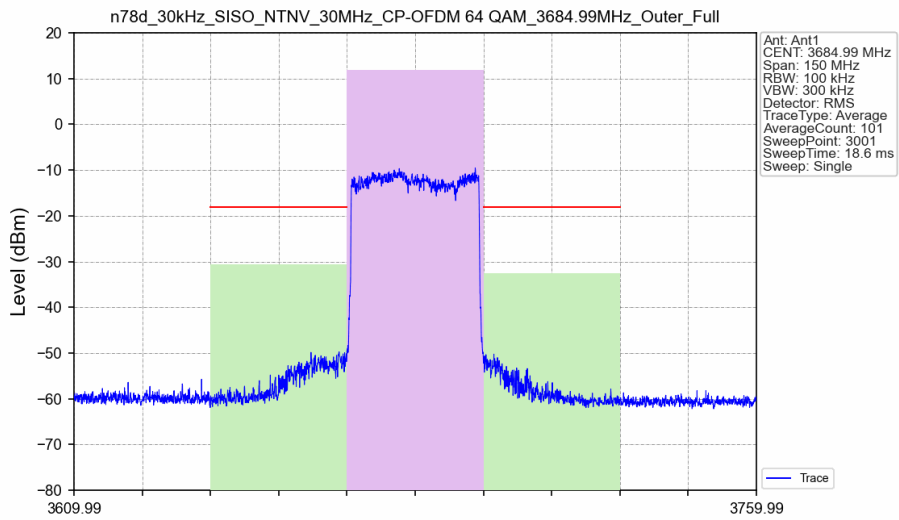
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	11.50	/	/	/	/
Adjacent	-30	30.00	-32.65	-44.15	-30	14.15	Pass
Adjacent	30	30.00	-34.19	-45.69	-30	15.69	Pass

n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



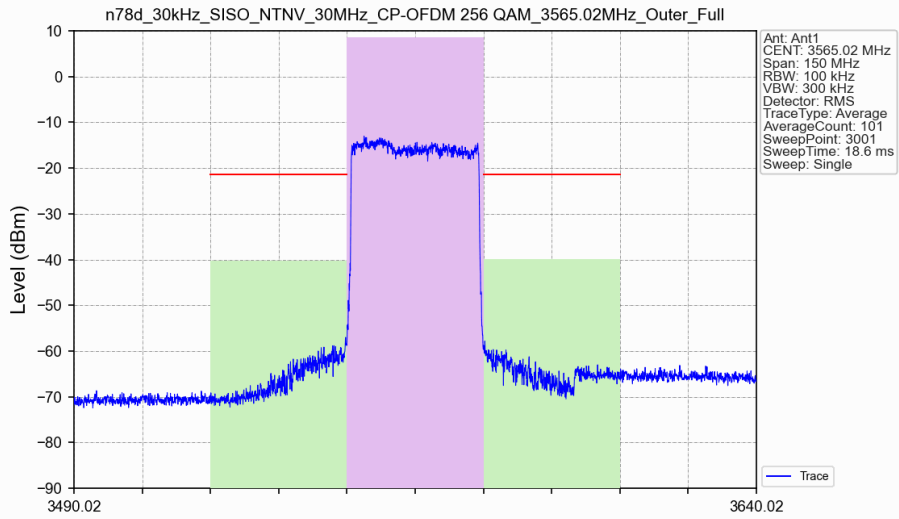
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	11.77	/	/	/	/
Adjacent	-30	30.00	-30.71	-42.48	-30	12.48	Pass
Adjacent	30	30.00	-33.65	-45.42	-30	15.42	Pass

n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3684.99MHz_Outer_Full



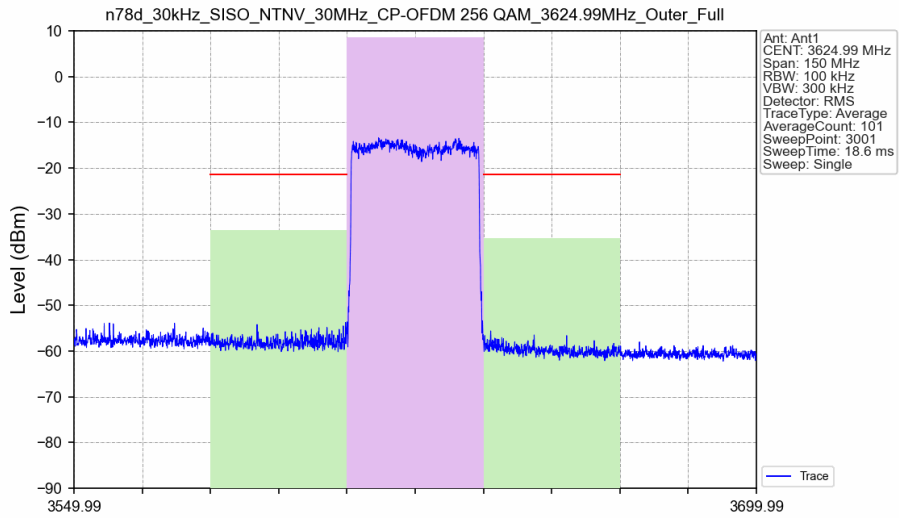
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	11.88	/	/	/	/
Adjacent	-30	30.00	-30.68	-42.56	-30	12.56	Pass
Adjacent	30	30.00	-32.62	-44.50	-30	14.50	Pass

n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3565.02MHz_Outer_Full



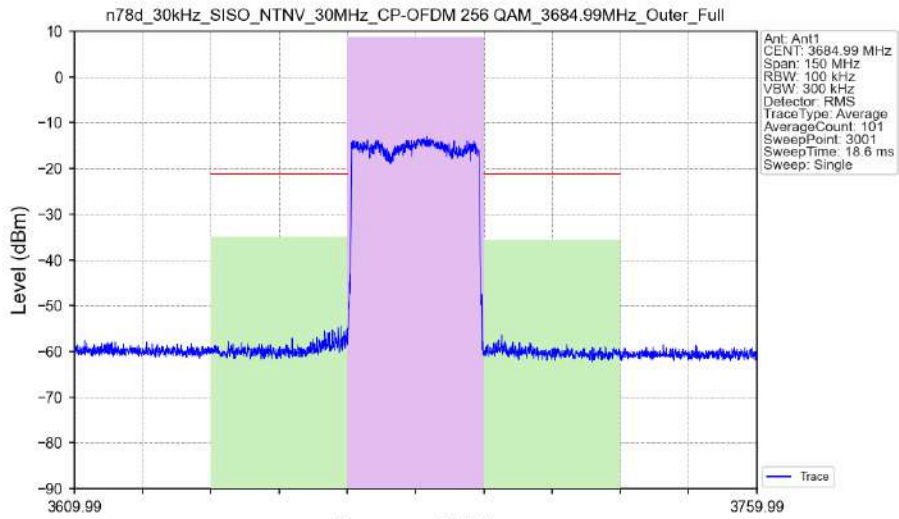
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	8.53	/	/	/	/
Adjacent	-30	30.00	-40.30	-48.83	-30	18.83	Pass
Adjacent	30	30.00	-39.88	-48.41	-30	18.41	Pass

n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	8.67	/	/	/	/
Adjacent	-30	30.00	-33.52	-42.19	-30	12.19	Pass
Adjacent	30	30.00	-35.26	-43.93	-30	13.93	Pass

n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3684.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	30.00	8.78	/	/	/	/
Adjacent	-30	30.00	-34.97	-43.75	-30	13.75	Pass
Adjacent	30	30.00	-35.73	-44.51	-30	14.51	Pass

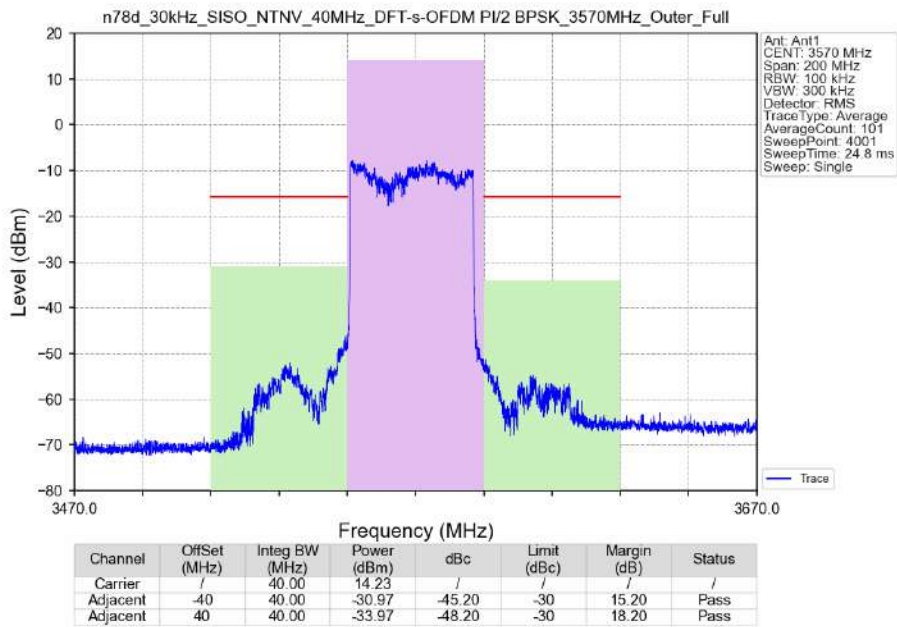
6.3 30k_SISO_40MHz_NTNV

6.3.1 Test Result

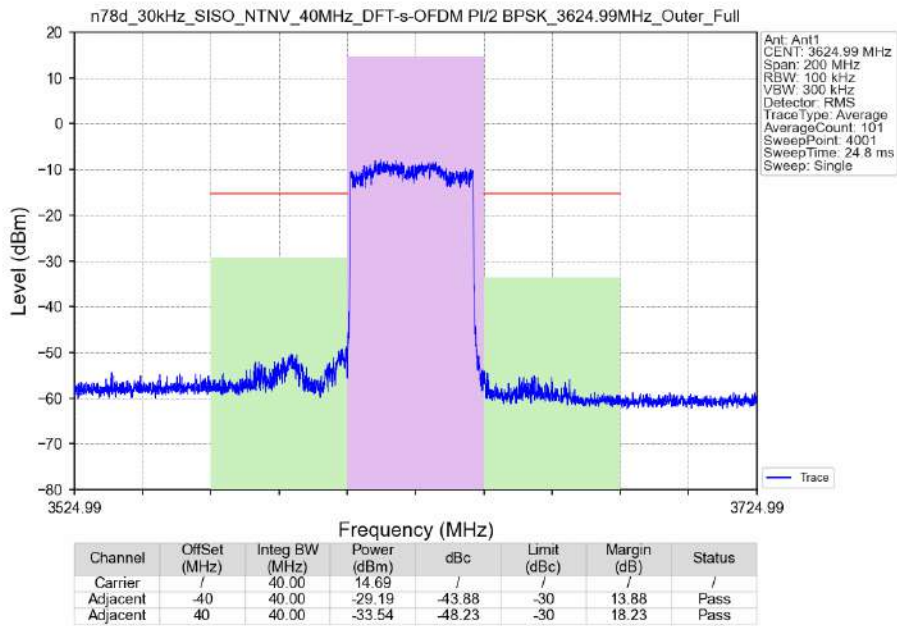
5G NR n78d SCS=30kHz SISO 40MHz NTN					
Modulation	Frequency (MHz)	RB Allocation	Adjacent Channel Leakage Ratio		Verdict
			Result	Limit	
DFT-s-OFDM PI/2 BPSK	3570	Outer_Full	Refer To Test Graph		Pass
	3624.99	Outer_Full	Refer To Test Graph		Pass
	3679.98	Outer_Full	Refer To Test Graph		Pass
DFT-s-OFDM 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
DFT-s-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
DFT-s-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
DFT-s-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
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

6.3.2 Test Graph

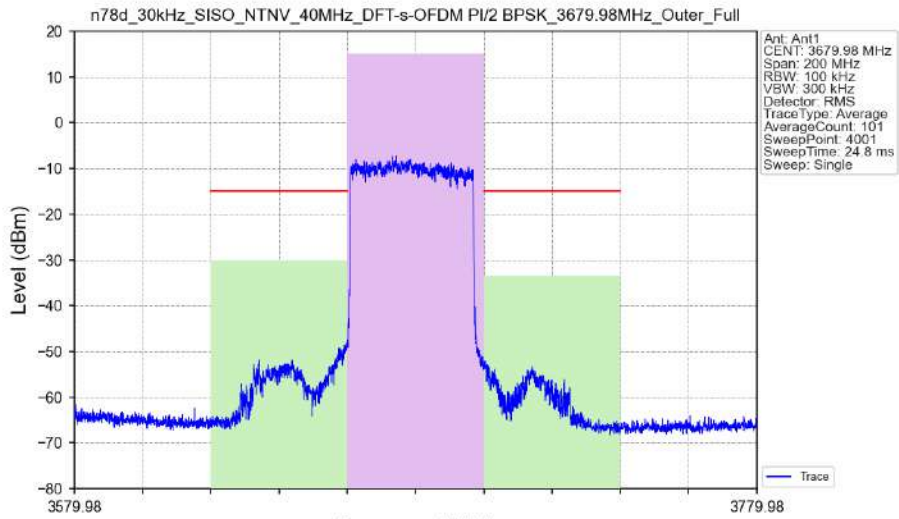
n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3570MHz_Outer_Full



n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full

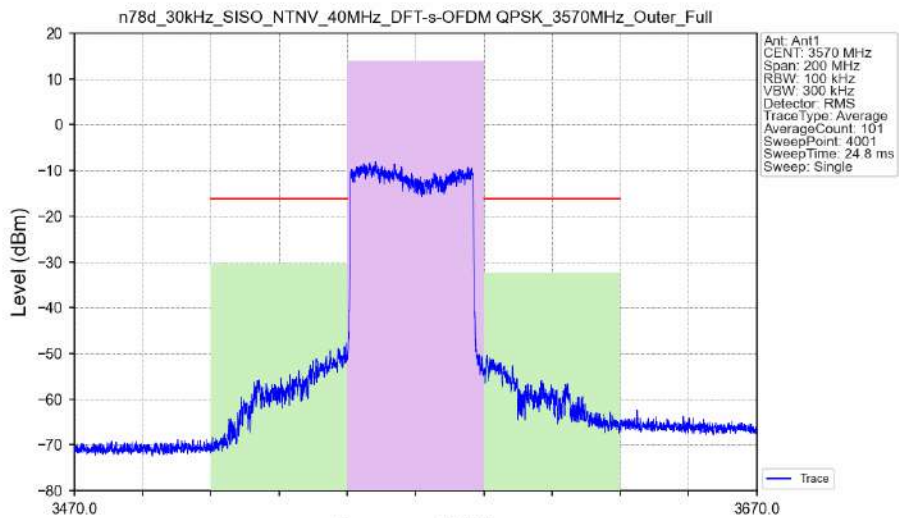


n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3679.98MHz_Outer_Full



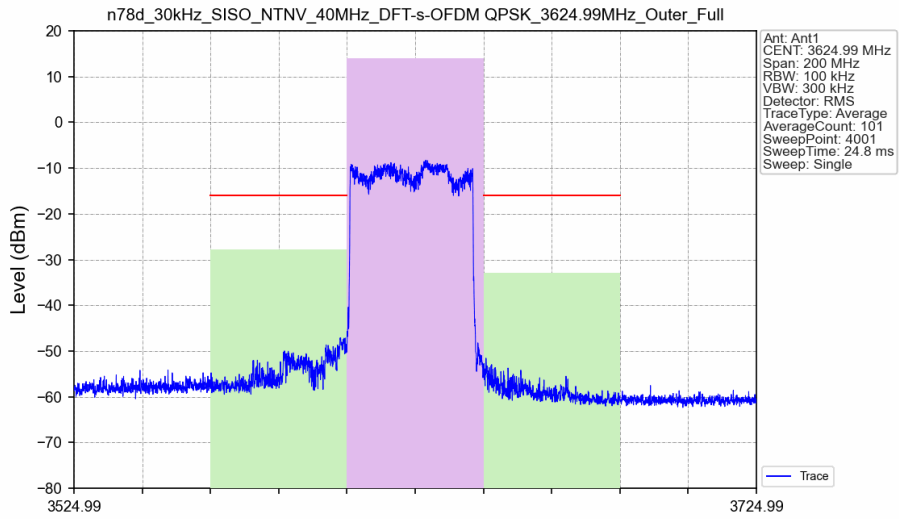
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	15.03	/	/	/	/
Adjacent	-40	40.00	-30.08	-45.11	-30	15.11	Pass
Adjacent	40	40.00	-33.51	-48.54	-30	18.54	Pass

n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3570MHz_Outer_Full



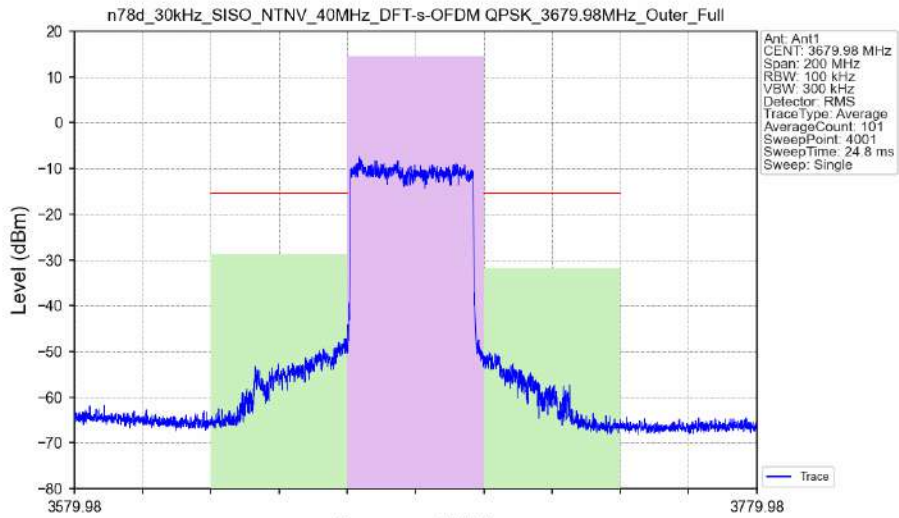
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	13.93	/	/	/	/
Adjacent	-40	40.00	-30.43	-44.36	-30	14.36	Pass
Adjacent	40	40.00	-32.41	-46.34	-30	16.34	Pass

n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full



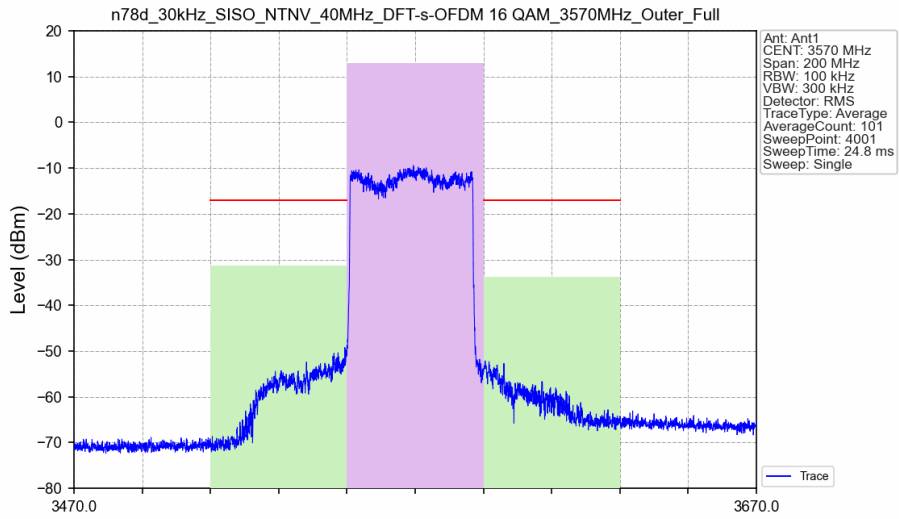
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	14.01	/	/	/	/
Adjacent	-40	40.00	-27.86	-41.87	-30	11.87	Pass
Adjacent	40	40.00	-32.84	-46.85	-30	16.85	Pass

n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3679.98MHz_Outer_Full



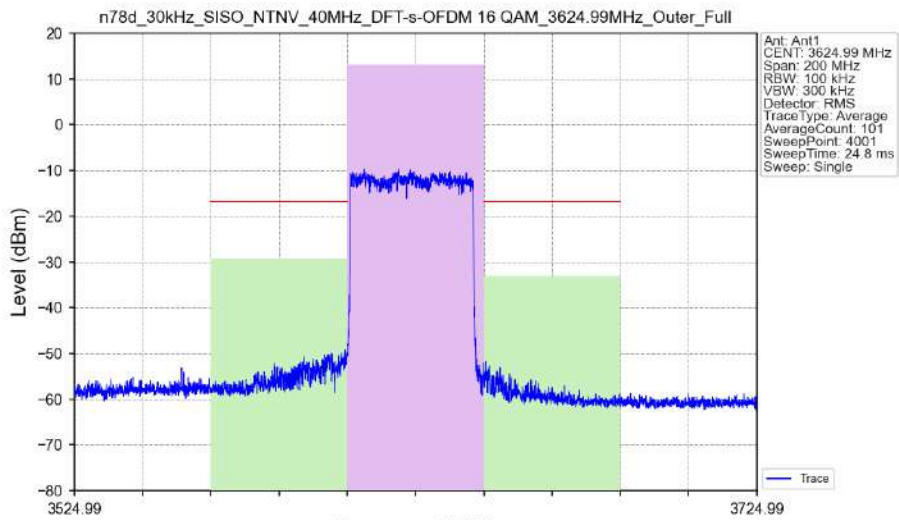
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	14.52	/	/	/	/
Adjacent	-40	40.00	-28.64	-43.16	-30	13.16	Pass
Adjacent	40	40.00	-31.81	-46.33	-30	16.33	Pass

n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_3570MHz_Outer_Full



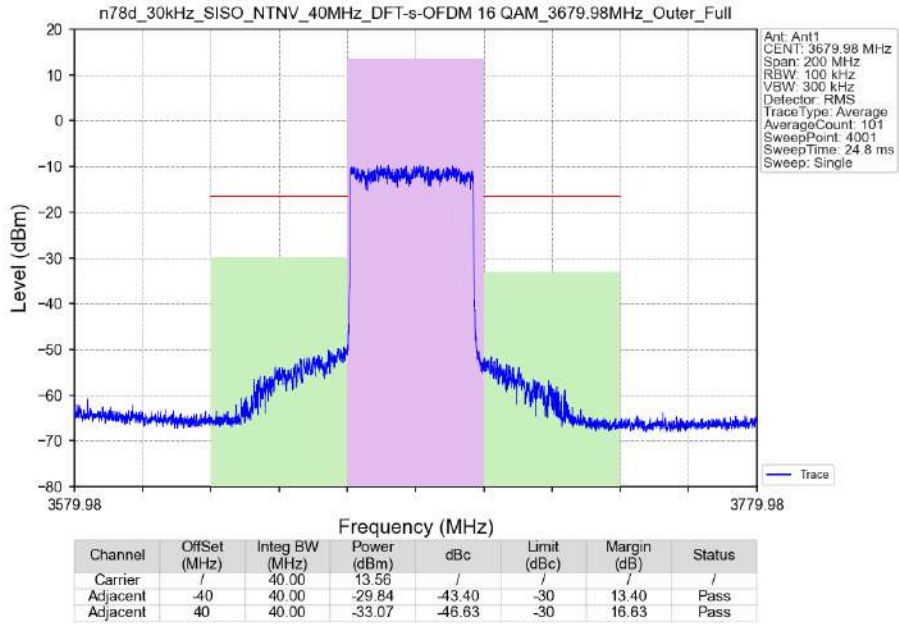
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.90	/	/	/	/
Adjacent	-40	40.00	-31.30	-44.20	-30	14.20	Pass
Adjacent	40	40.00	-33.85	-46.75	-30	16.75	Pass

n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_3624.99MHz_Outer_Full

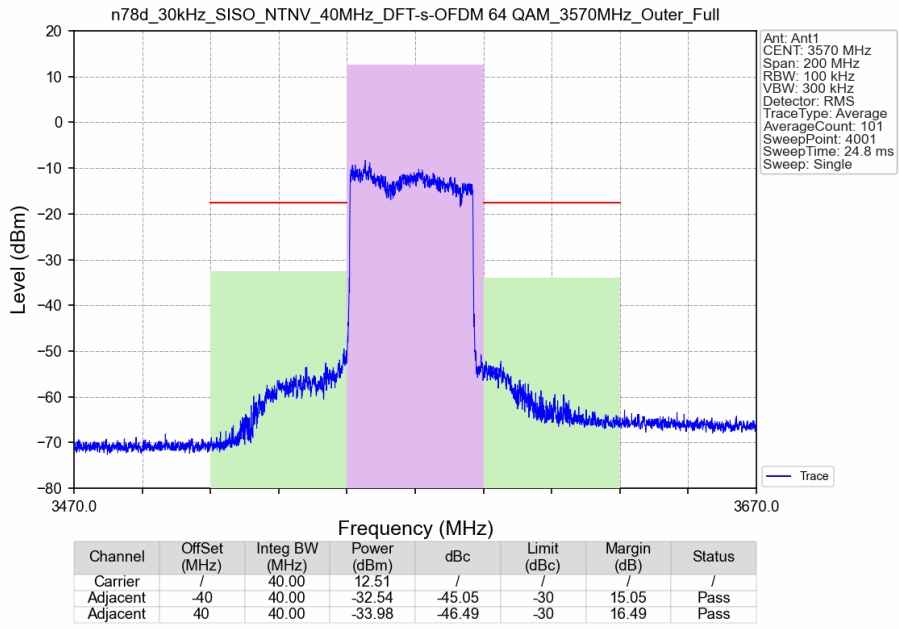


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	13.12	/	/	/	/
Adjacent	-40	40.00	-29.14	-42.26	-30	12.26	Pass
Adjacent	40	40.00	-33.06	-46.18	-30	16.18	Pass

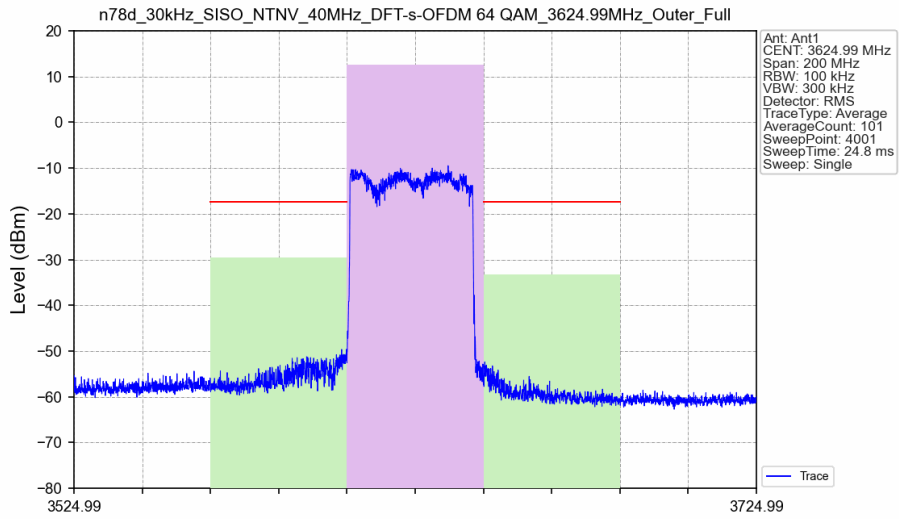
n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3679.98MHz_Outer_Full



n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3570MHz_Outer_Full

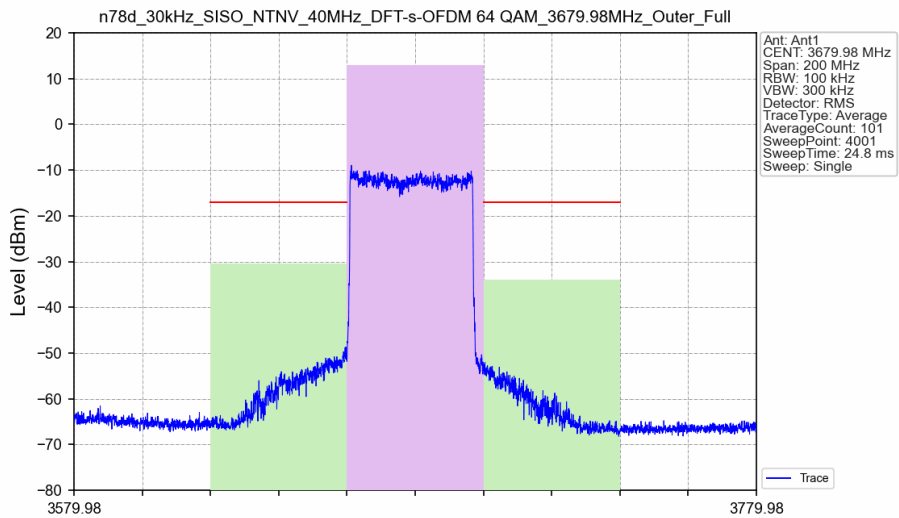


n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.58	/	/	/	/
Adjacent	-40	40.00	-29.48	-42.06	-30	12.06	Pass
Adjacent	40	40.00	-33.31	-45.89	-30	15.89	Pass

n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3679.98MHz_Outer_Full



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	40.00	12.99	/	/	/	/
Adjacent	-40	40.00	-30.50	-43.49	-30	13.49	Pass
Adjacent	40	40.00	-33.90	-46.89	-30	16.89	Pass