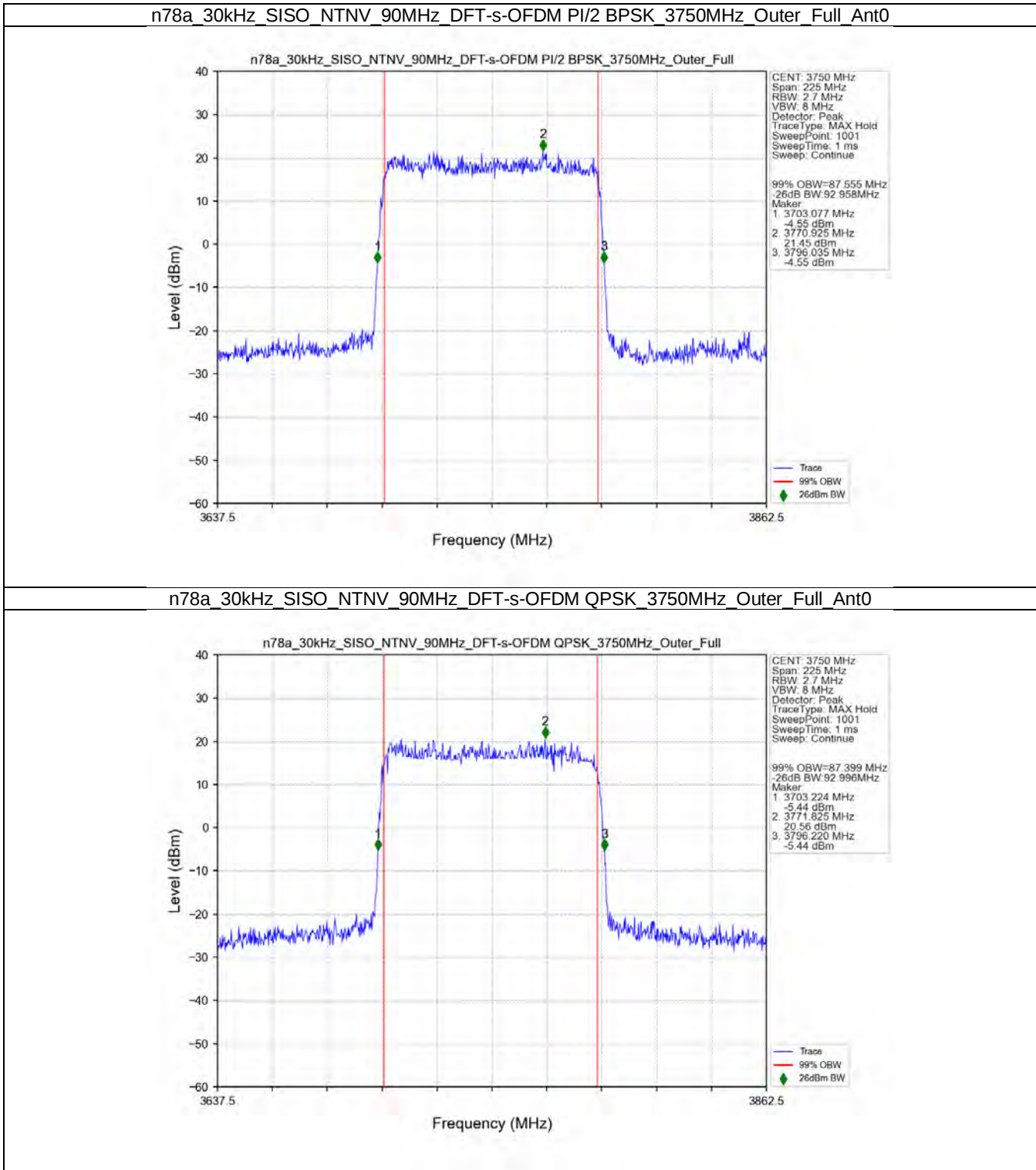
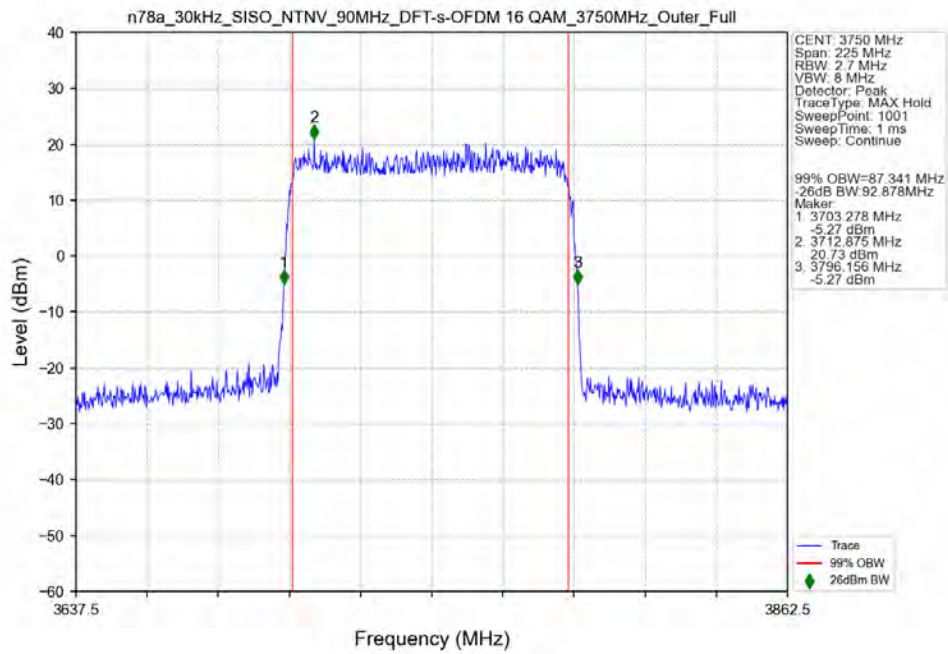


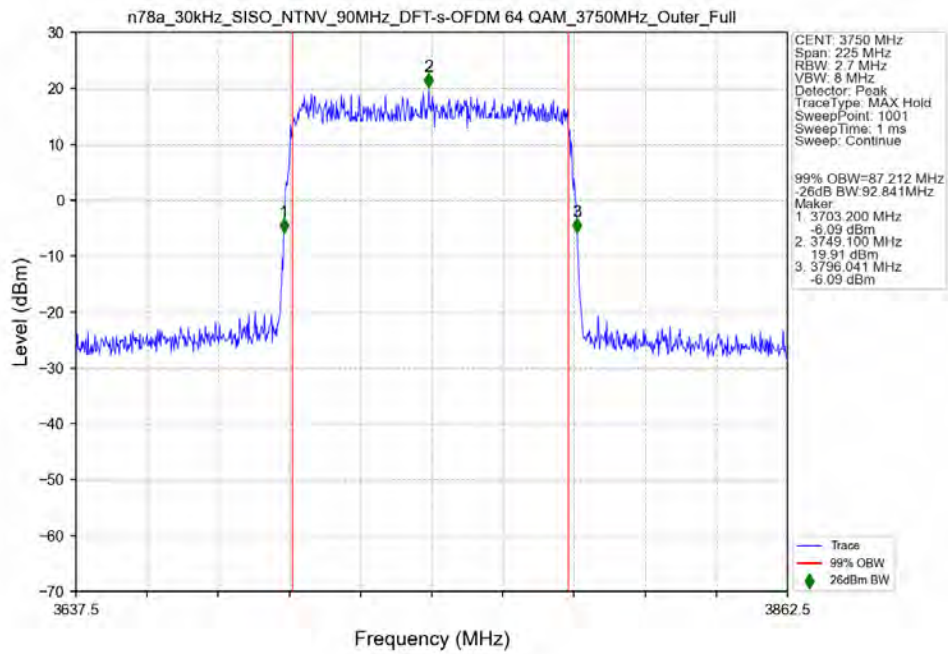
3.2.11 30k_SISO_90MHz_NTNV



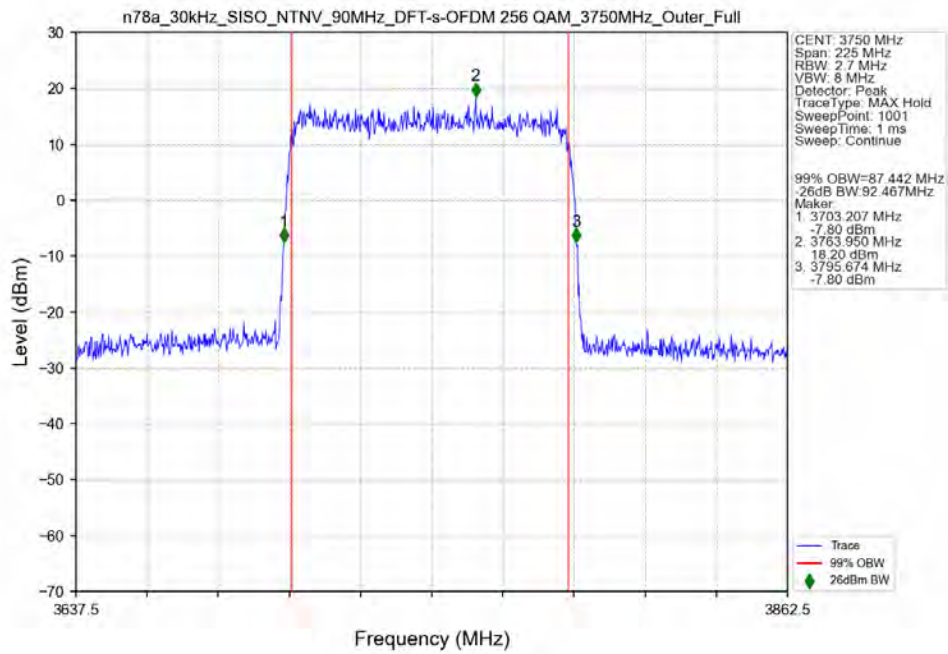
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3750MHz_Outer_Full_Ant0



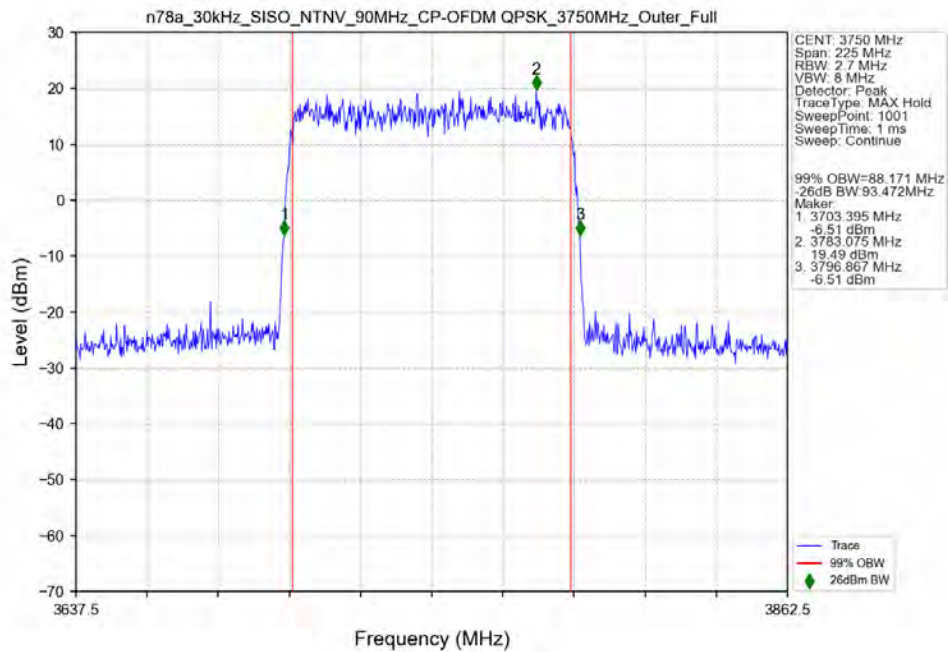
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3750MHz_Outer_Full_Ant0



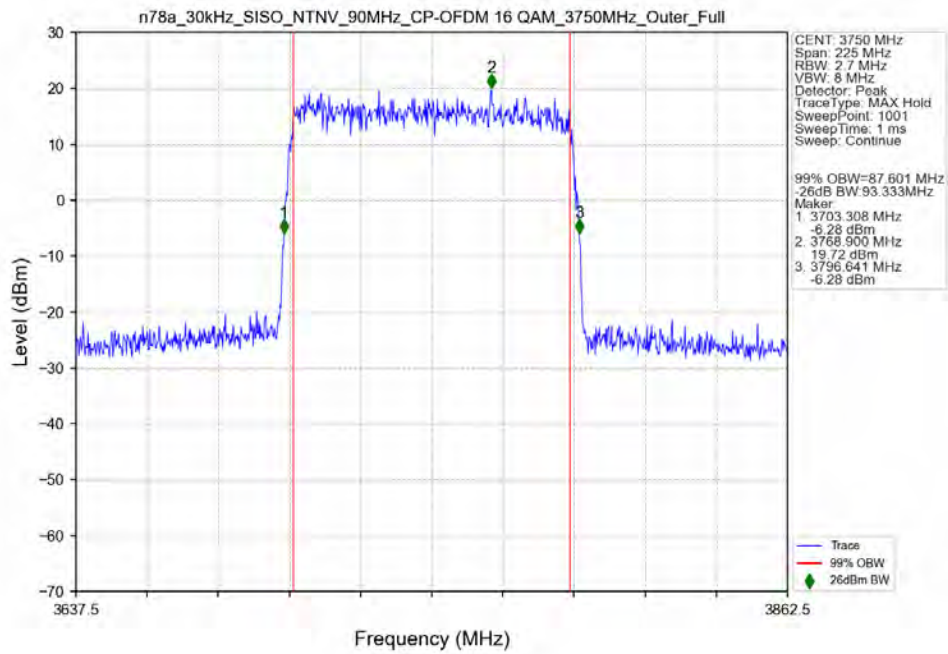
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3750MHz_Outer_Full_Ant0



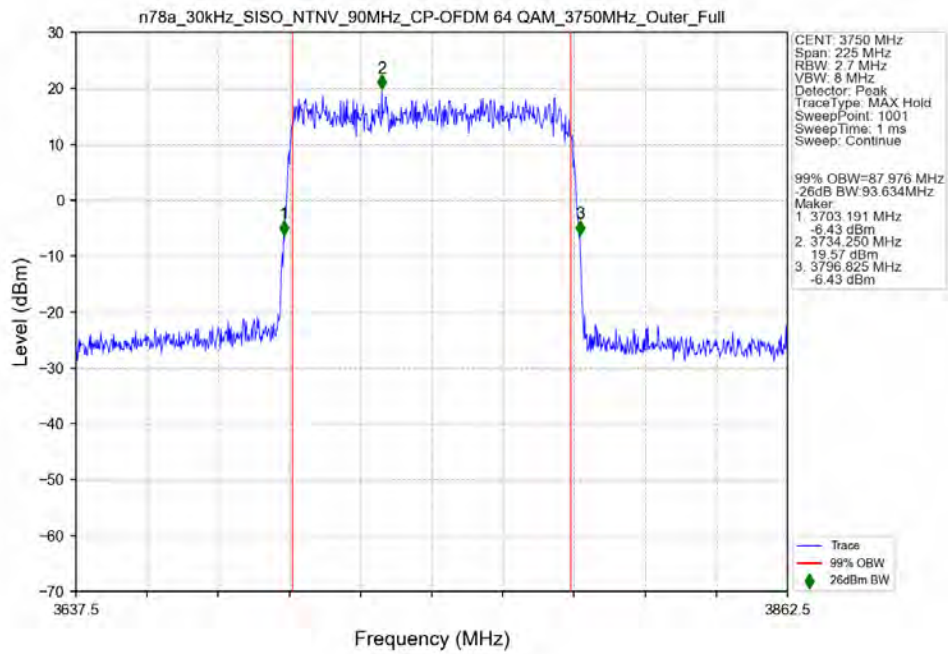
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3750MHz_Outer_Full_Ant0



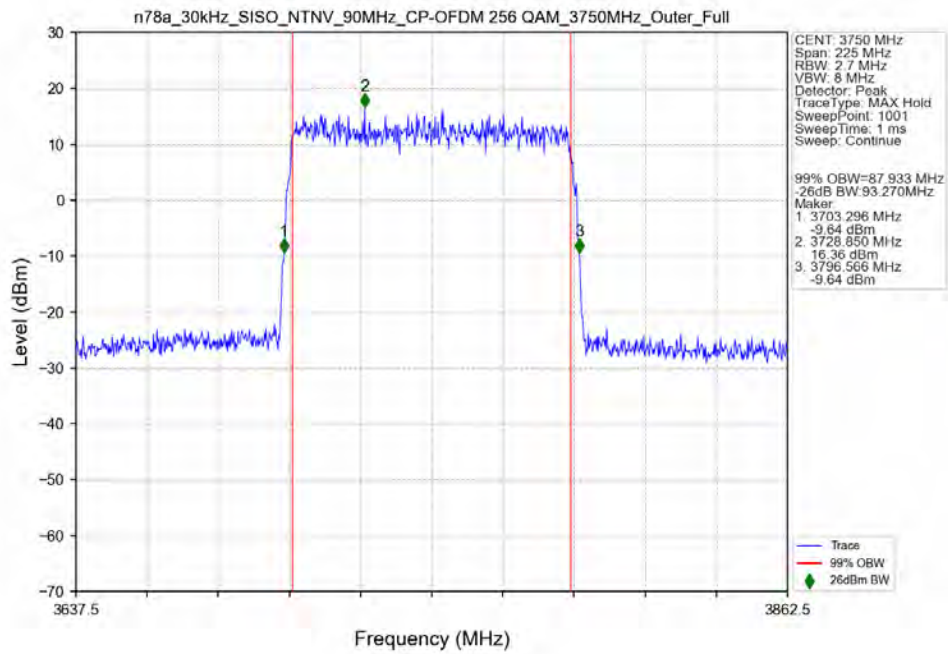
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM 16 QAM 3750MHz_Outer_Full_Ant0



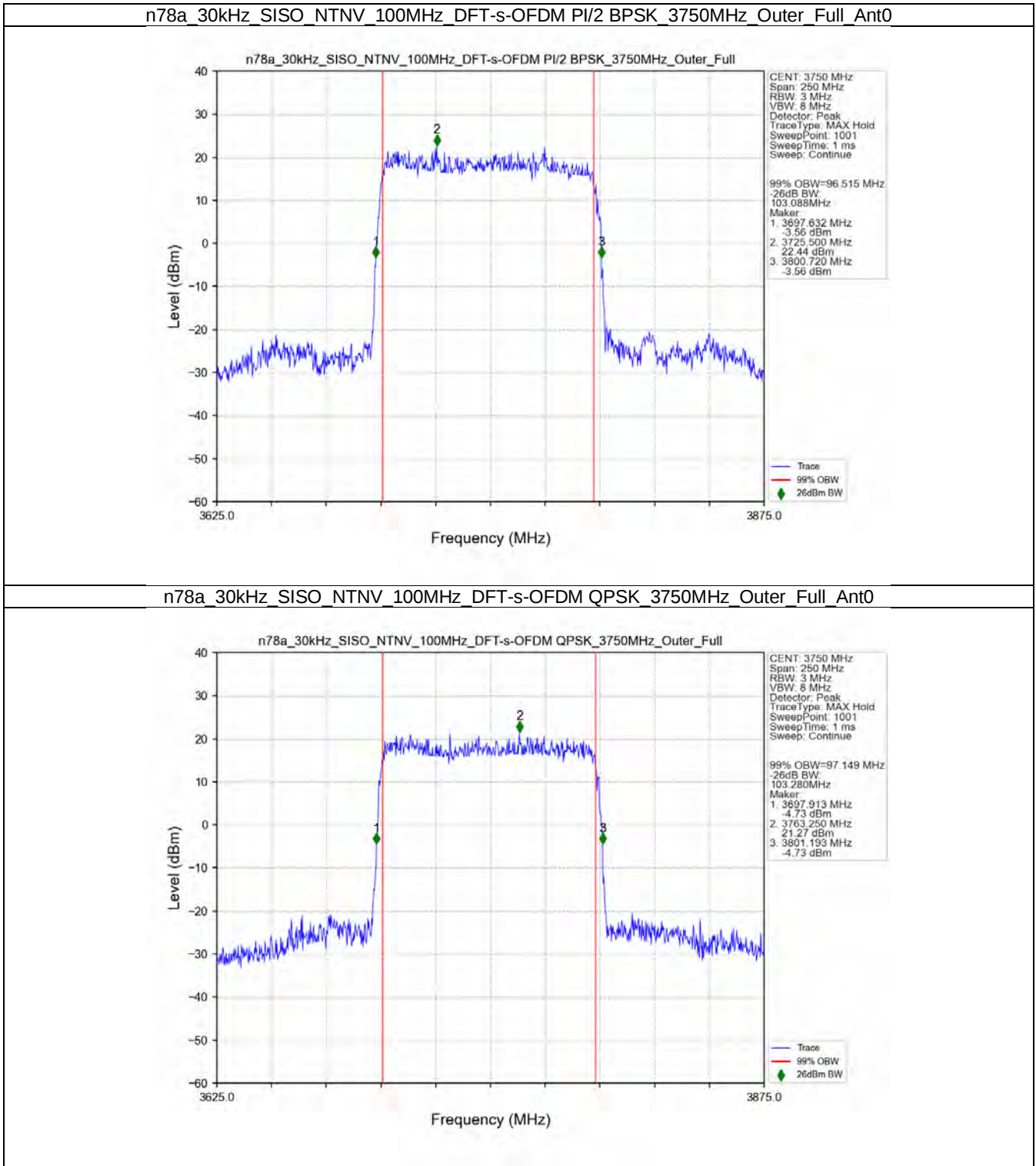
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM 64 QAM 3750MHz_Outer_Full_Ant0



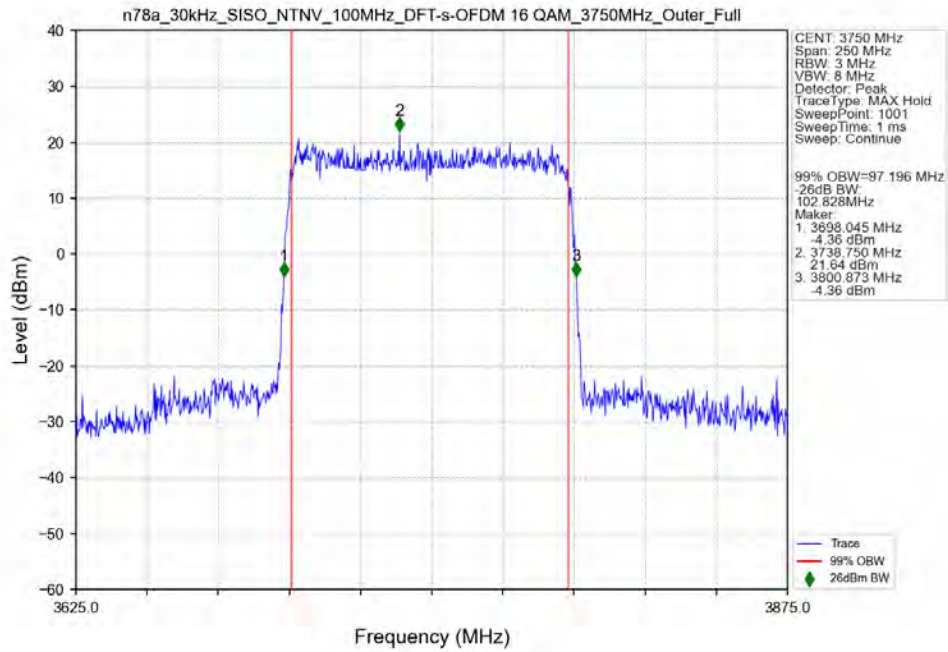
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3750MHz_Outer_Full_Ant0



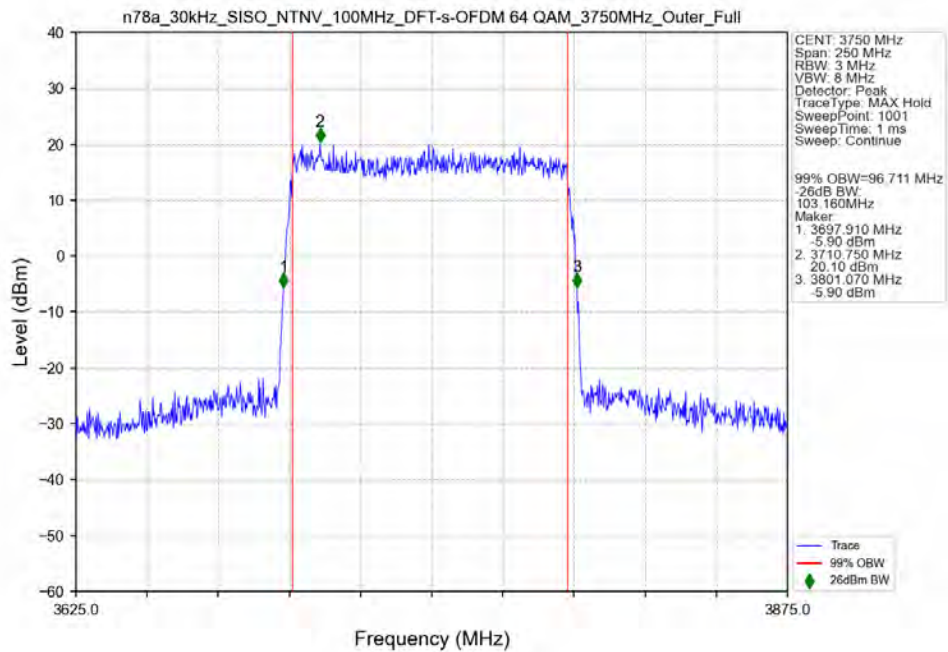
3.2.12 30k_SISO_100MHz_NTNV



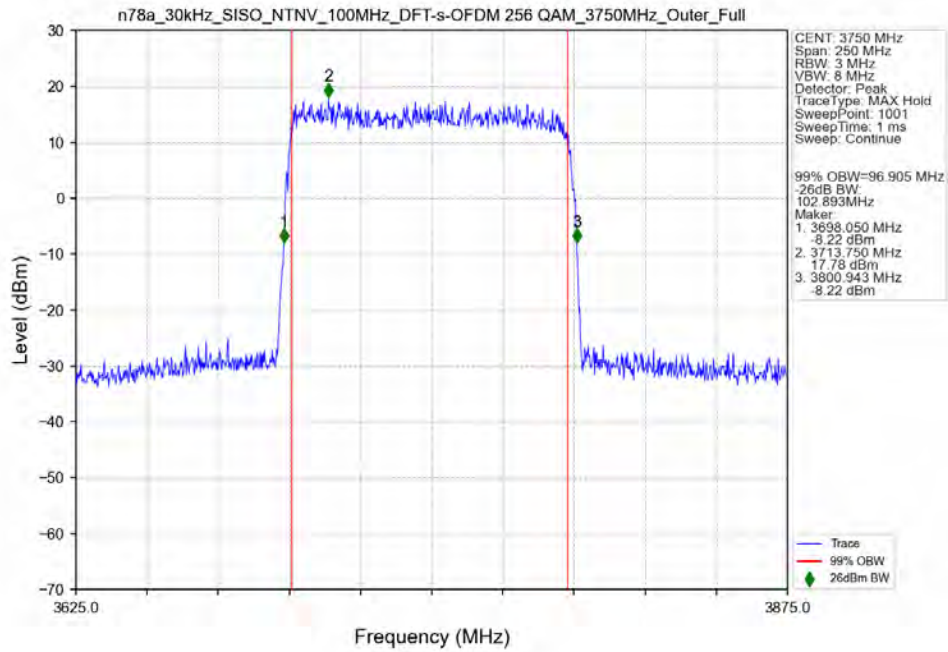
n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 16 QAM 3750MHz_Outer_Full_Ant0



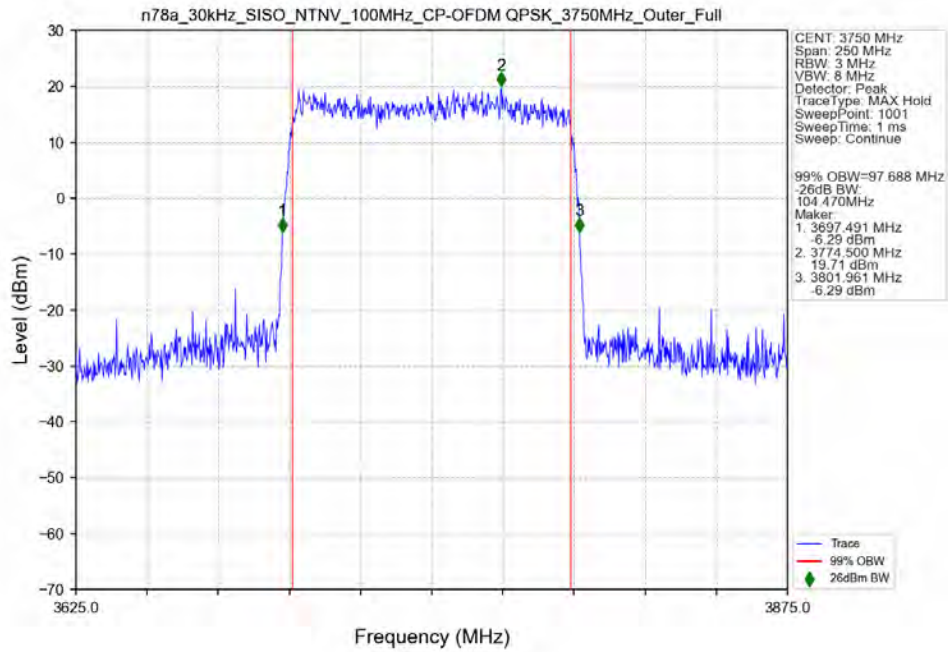
n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM 3750MHz_Outer_Full_Ant0



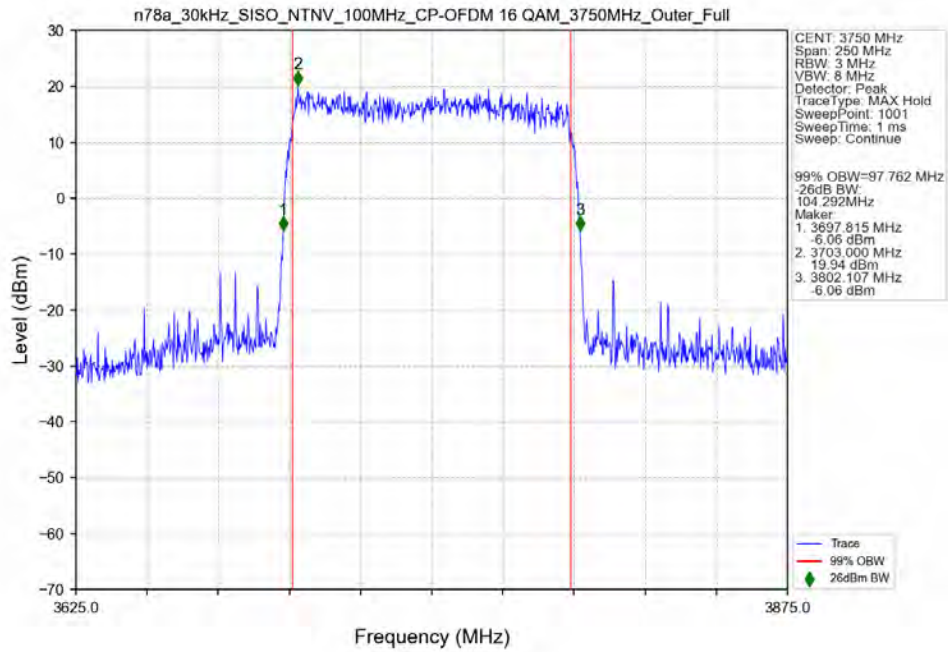
n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_3750MHz_Outer_Full_Ant0



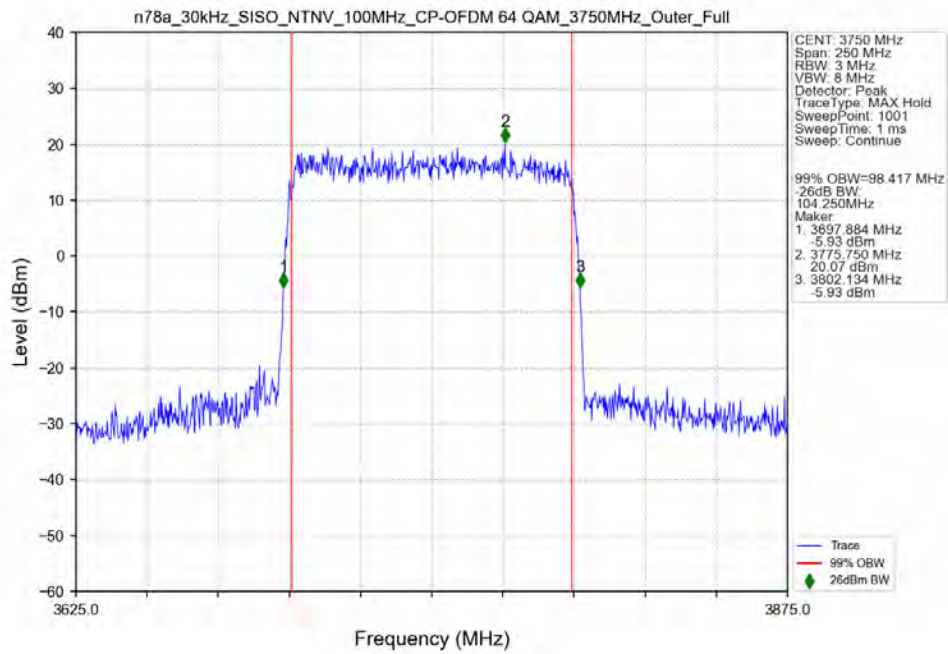
n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3750MHz_Outer_Full_Ant0



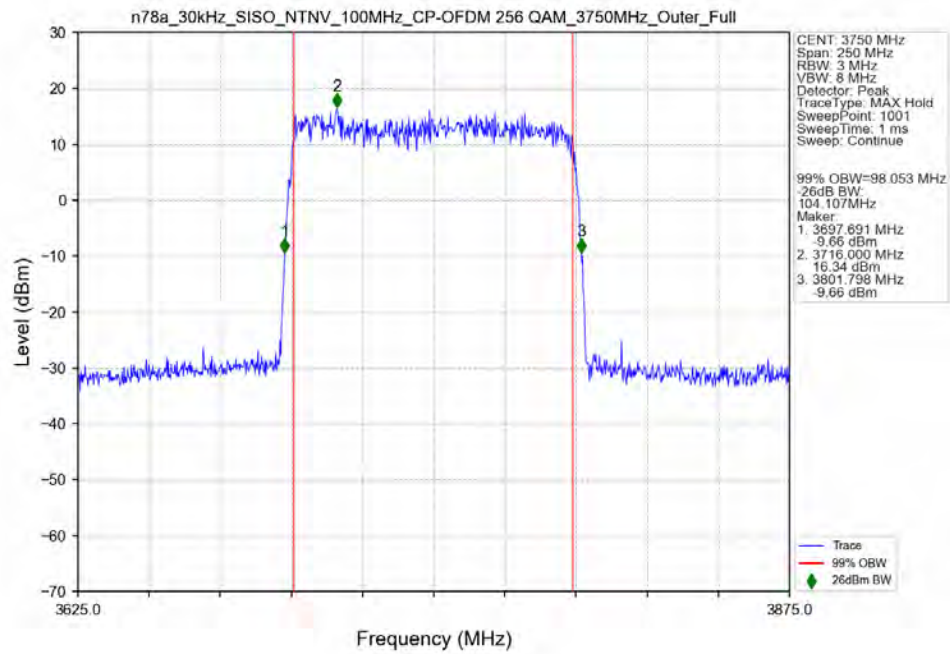
n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM 3750MHz_Outer_Full_Ant0



n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM 3750MHz_Outer_Full_Ant0



n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_3750MHz_Outer_Full_Ant0



4. Peak-Average Ratio

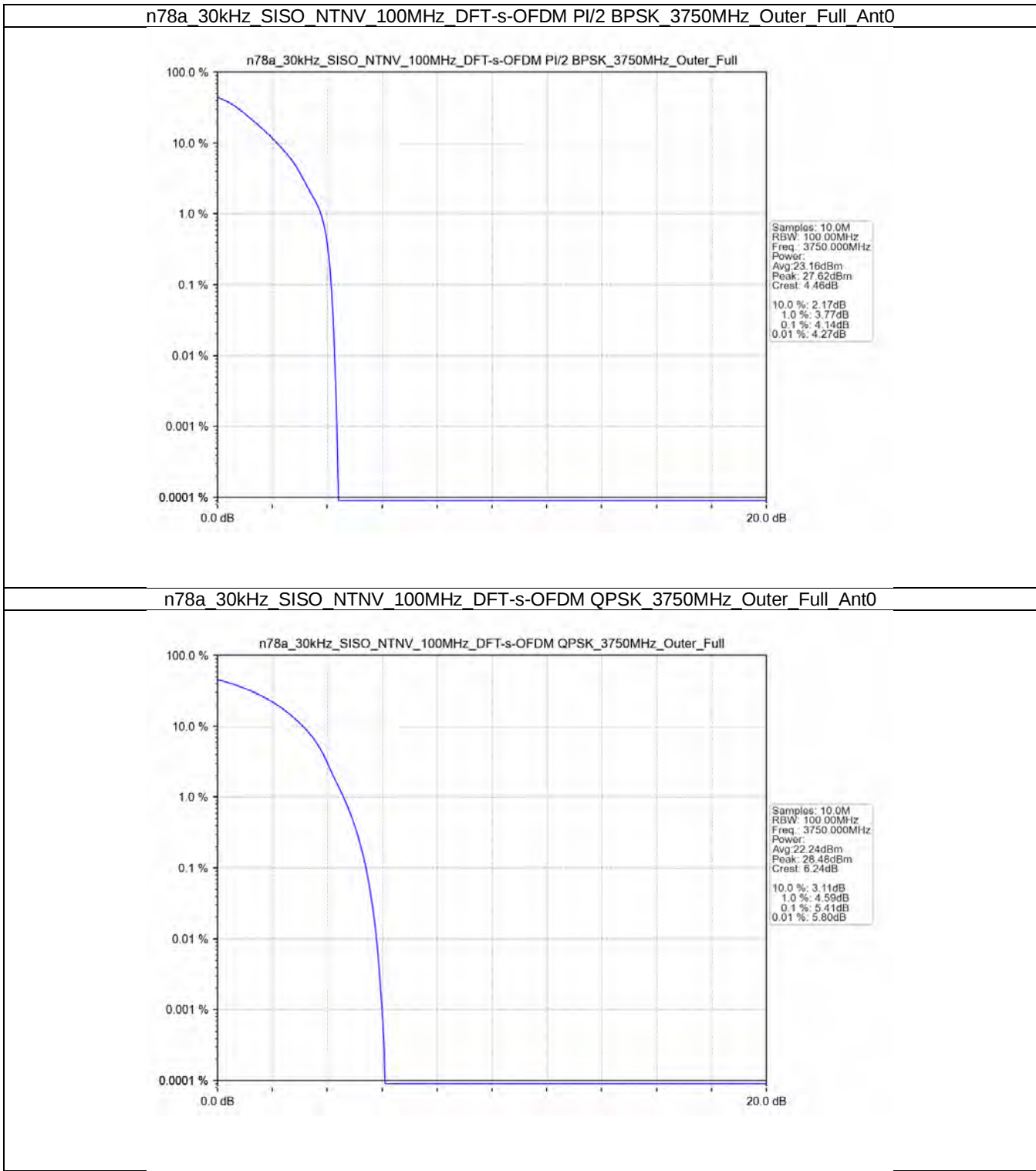
4.1 Test Result

4.1.1 30k_SISO_100MHz_NTNV

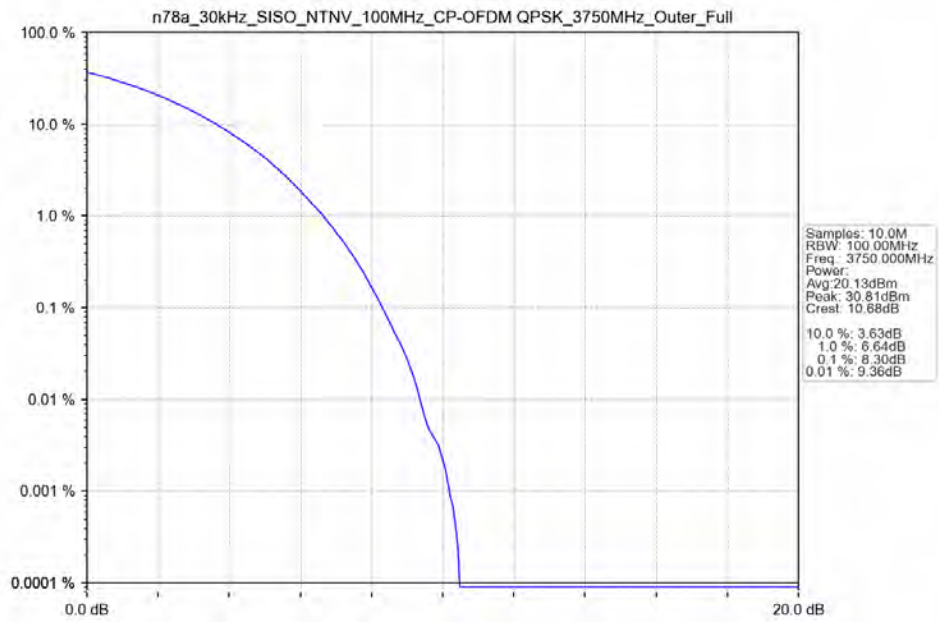
5G NR n78a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	4.14	/	/	<=13	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	5.41	/	/	<=13	Pass
CP-OFDM QPSK	3750	Outer_Full	8.30	/	/	<=13	Pass

4.2 Test Graph

4.2.1 30k_SISO_100MHz_NTNV



n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3750MHz_Outer_Full_Ant0



5. Spurious Emission

5.1 Test Result

5.1.1 30k_SISO_10MHz_NTNV

5G NR n78a SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3705	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3750	Edge_1RB_Left	Refer To Test Graph				Pass
	3795	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3705	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3750	Edge_1RB_Left	Refer To Test Graph				Pass
	3795	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3705	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3750	Edge_1RB_Left	Refer To Test Graph				Pass
	3795	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.1.2 30k_SISO_50MHz_NTNV

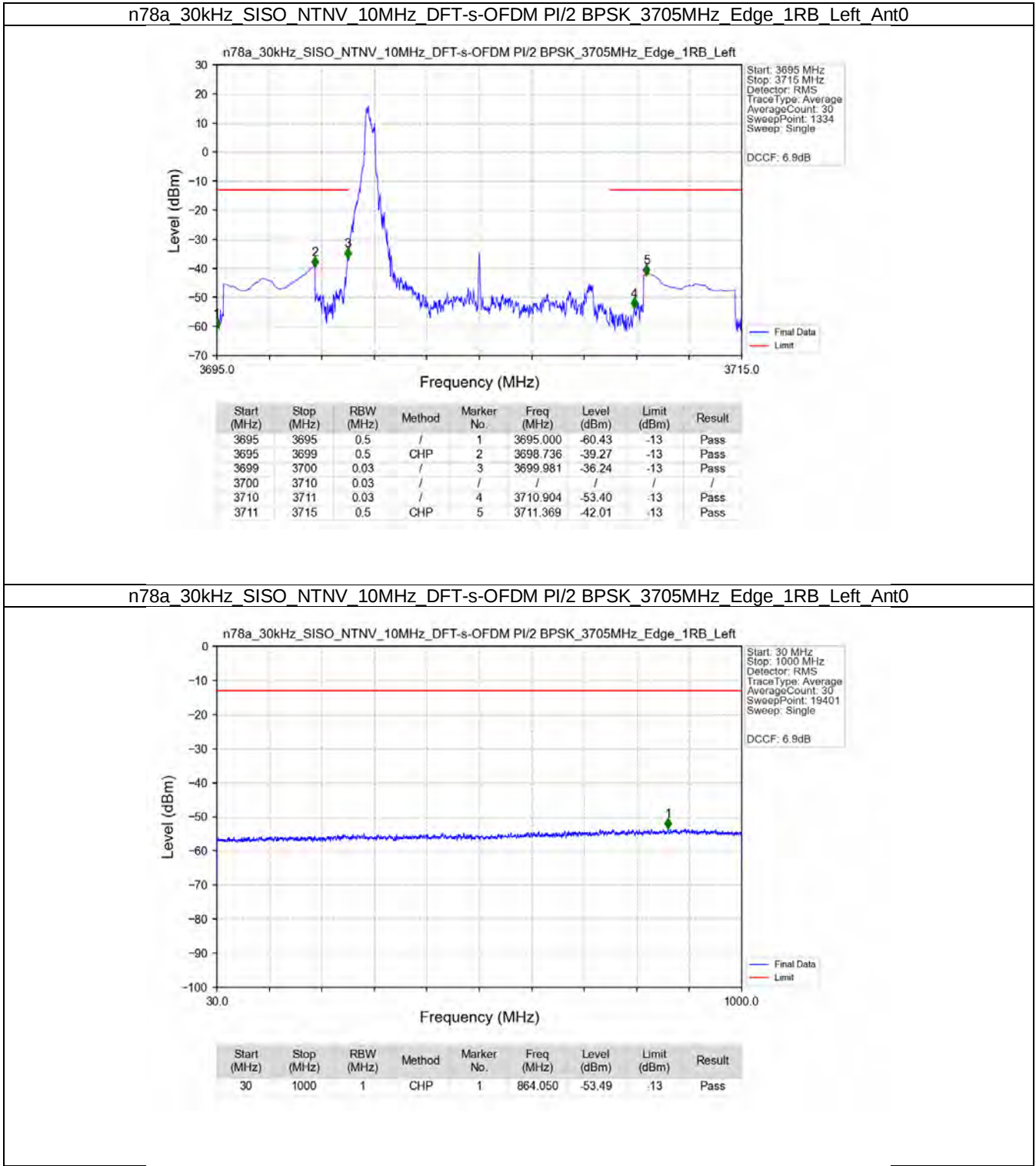
5G NR n78a SCS=30kHz SISO 50MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3725.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3750	Edge_1RB_Left	Refer To Test Graph				Pass
	3774.99	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3725.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3750	Edge_1RB_Left	Refer To Test Graph				Pass
	3774.99	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3725.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3750	Edge_1RB_Left	Refer To Test Graph				Pass
	3774.99	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.1.3 30k_SISO_100MHz_NTNV

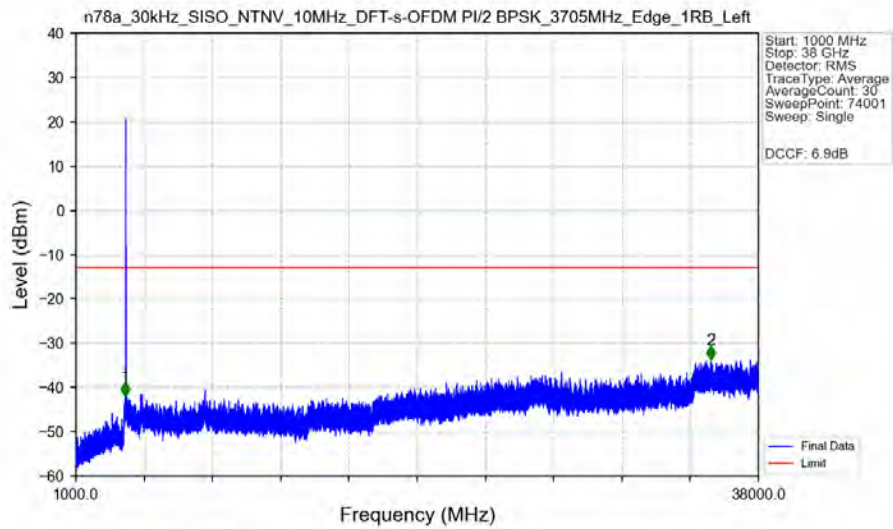
5G NR n78a SCS=30kHz SISO 100MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3750	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.2 Test Graph

5.2.1 30k_SISO_10MHz_NTNV

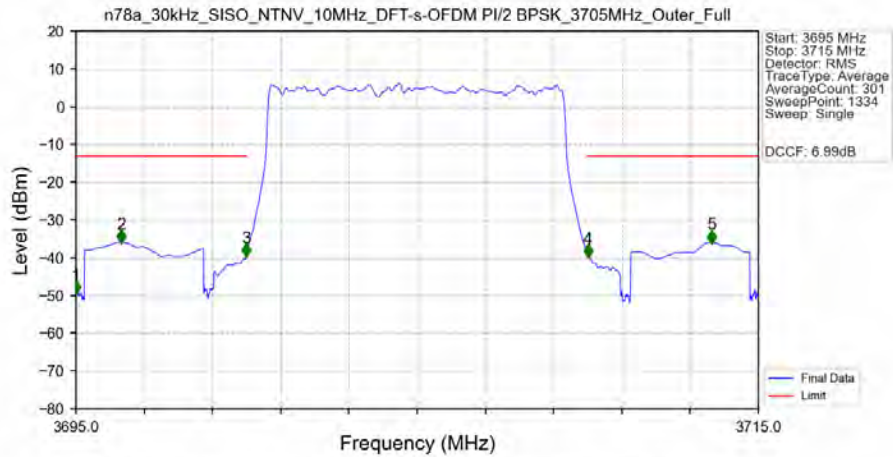


n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3705MHz_Edge_1RB_Left_Ant0



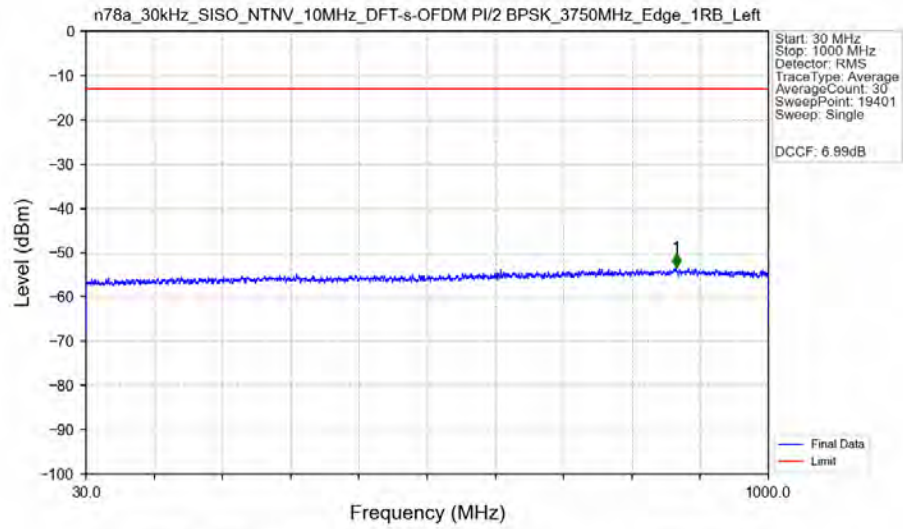
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3670.500	-41.87	-13	Pass
3695	3715	1	/	/	/	/	/	/
3715	38000	1	/	2	35439.000	-33.67	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3705MHz_Outer_Full_Ant0



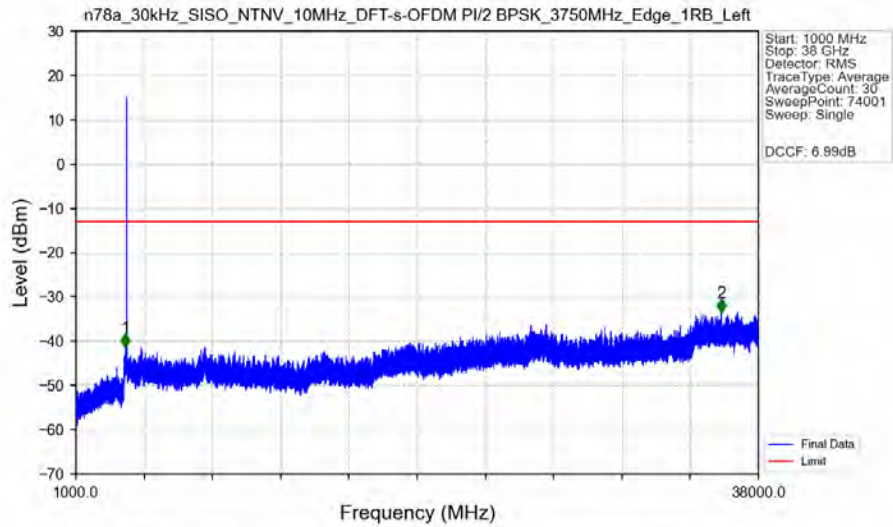
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-49.38	-13	Pass
3695	3699	0.5	CHP	2	3696.320	-35.83	-13	Pass
3699	3700	0.09256	CHP	3	3699.996	-39.52	-13	Pass
3700	3710	0.09256	CHP	/	/	/	/	/
3710	3711	0.09256	CHP	4	3710.004	-39.76	-13	Pass
3711	3715	0.5	CHP	5	3713.620	-35.97	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3750MHz_Edge_1RB_Left_Ant0



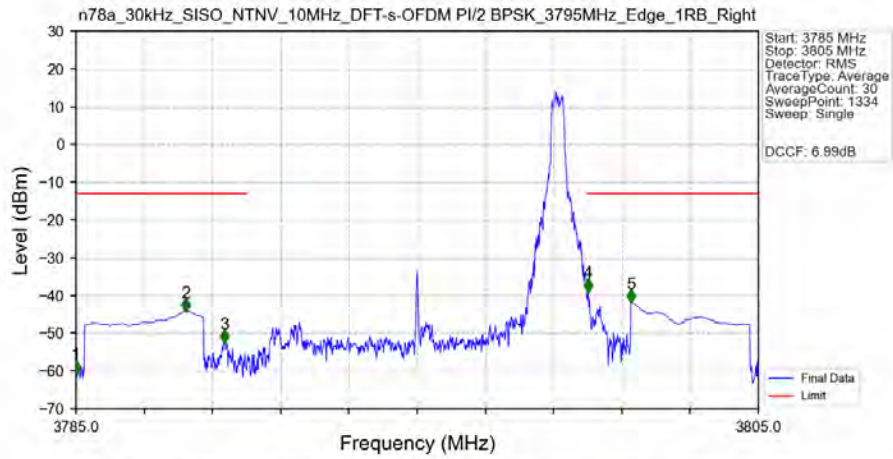
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	868.900	-53.32	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3750MHz_Edge_1RB_Left_Ant0



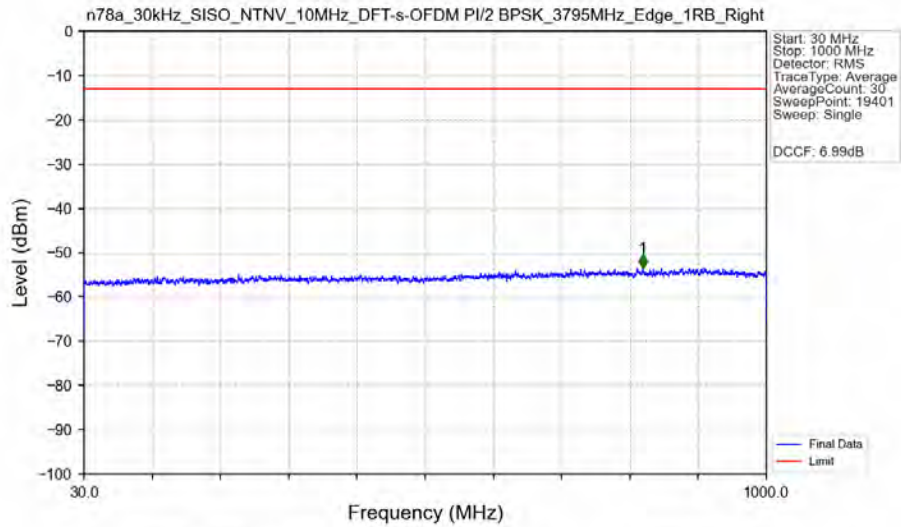
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3740	1	/	1	3685.500	-41.31	-13	Pass
3740	3760	1	/	/	/	/	/	/
3760	38000	1	/	2	35988.500	-33.44	-13	Pass

n78a 30kHz SISO NTNv 10MHz DFT-s-OFDM PI/2 BPSK 3795MHz Edge 1RB Right Ant0



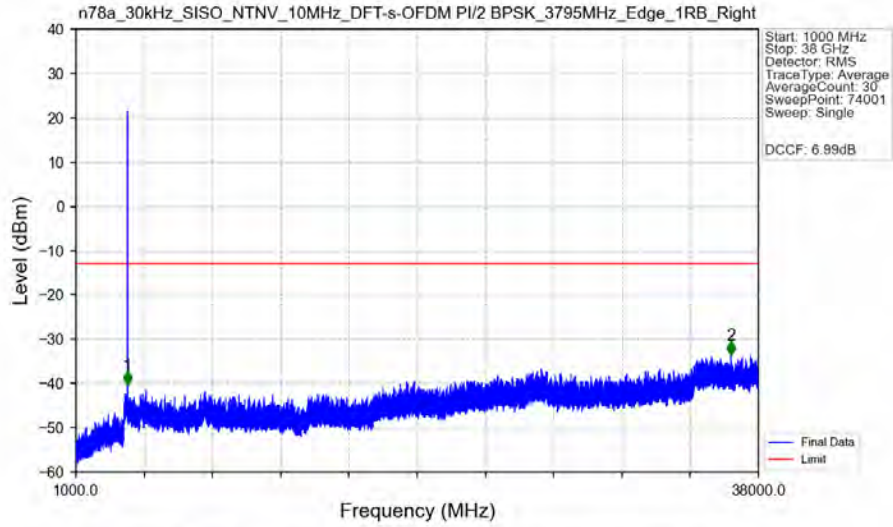
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3785	3785	0.5	/	1	3785.000	-60.38	-13	Pass
3785	3789	0.5	CHP	2	3788.226	-44.03	-13	Pass
3789	3790	0.03	/	3	3789.351	-52.41	-13	Pass
3790	3800	0.03	/	/	/	/	/	/
3800	3801	0.03	/	4	3800.004	-38.78	-13	Pass
3801	3805	0.5	CHP	5	3801.264	-41.72	-13	Pass

n78a 30kHz SISO NTNv 10MHz DFT-s-OFDM PI/2 BPSK 3795MHz Edge 1RB Right Ant0



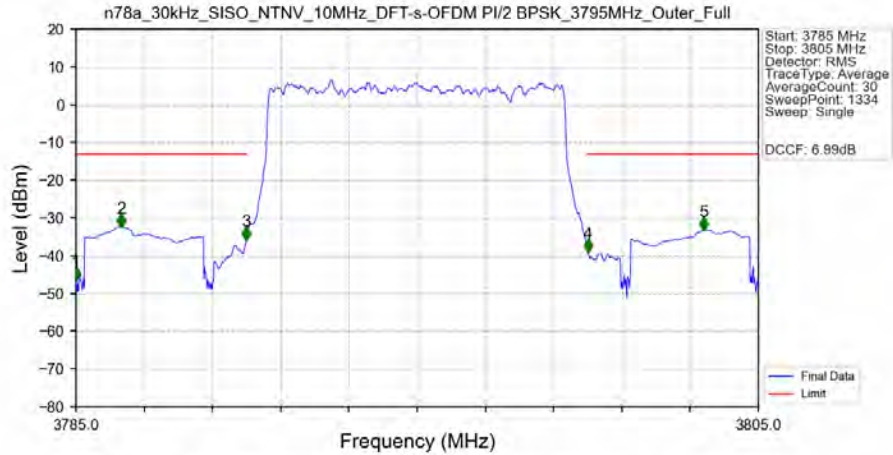
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	824.200	-53.43	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3795MHz_Edge_1RB_Right_Ant0



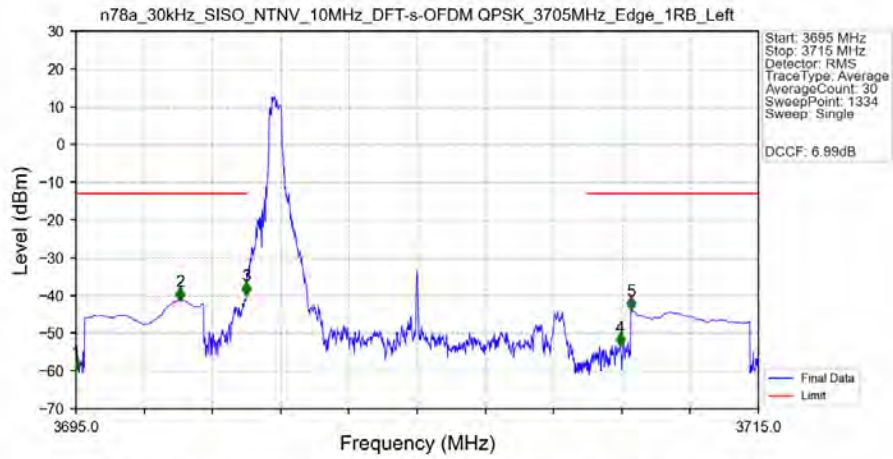
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3785	1	/	1	3782.500	-40.33	-13	Pass
3785	3805	1	/	/	/	/	/	/
3805	38000	1	/	2	36506.000	-33.61	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3795MHz_Outer_Full_Ant0



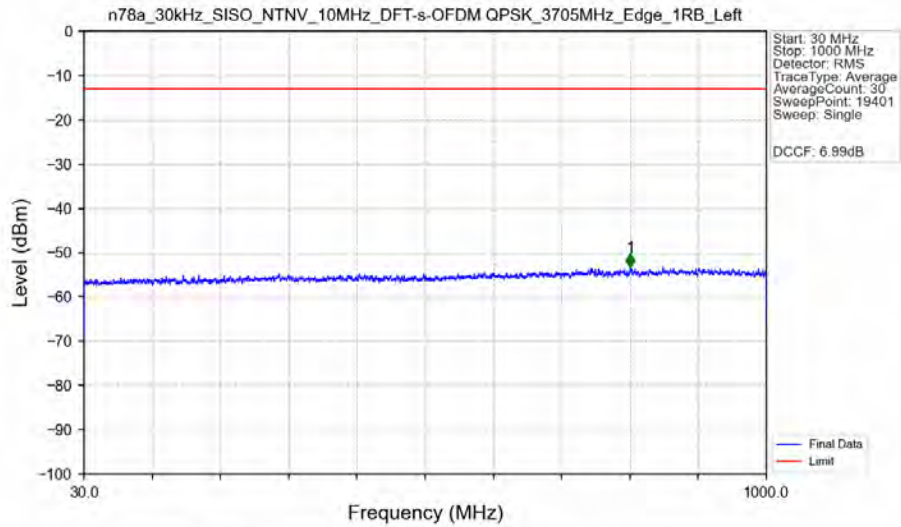
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3785	3785	0.5	/	1	3785.000	-46.41	-13	Pass
3785	3789	0.5	CHP	2	3786.320	-32.32	-13	Pass
3789	3790	0.09573	CHP	3	3789.996	-35.68	-13	Pass
3790	3800	0.09573	CHP	/	/	/	/	/
3800	3801	0.09573	CHP	4	3800.004	-38.93	-13	Pass
3801	3805	0.5	CHP	5	3803.395	-33.10	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3705MHz_Edge_1RB_Left_Ant0



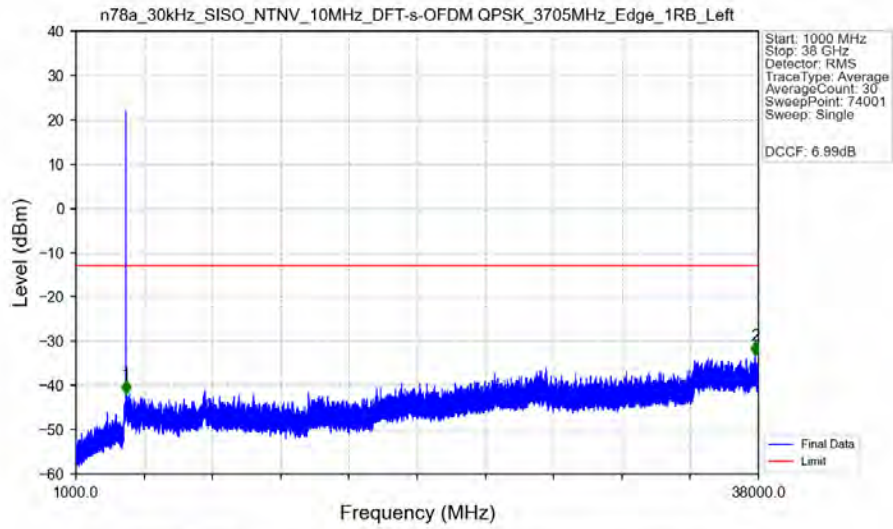
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-59.83	-13	Pass
3695	3699	0.5	CHP	2	3698.061	-41.15	-13	Pass
3699	3700	0.03	/	3	3699.996	-39.64	-13	Pass
3700	3710	0.03	/	/	/	/	/	/
3710	3711	0.03	/	4	3710.949	-53.23	-13	Pass
3711	3715	0.5	CHP	5	3711.264	-43.58	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3705MHz_Edge_1RB_Left_Ant0



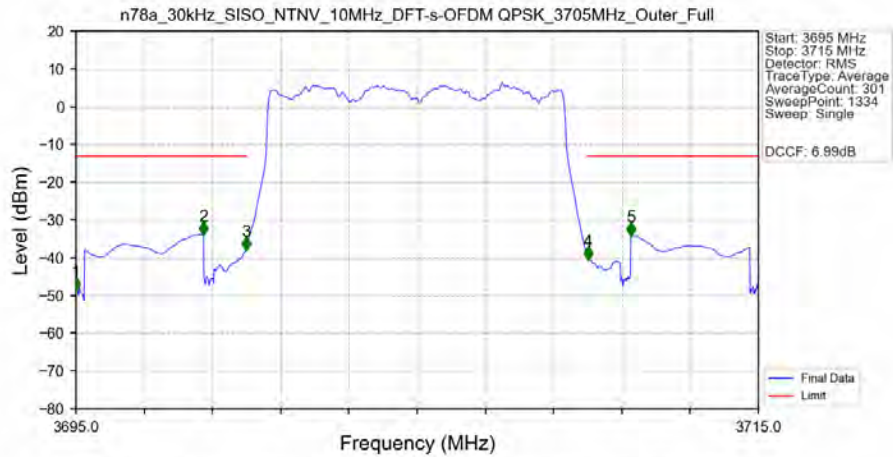
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	806.450	-53.32	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3705MHz_Edge_1RB_Left_Ant0



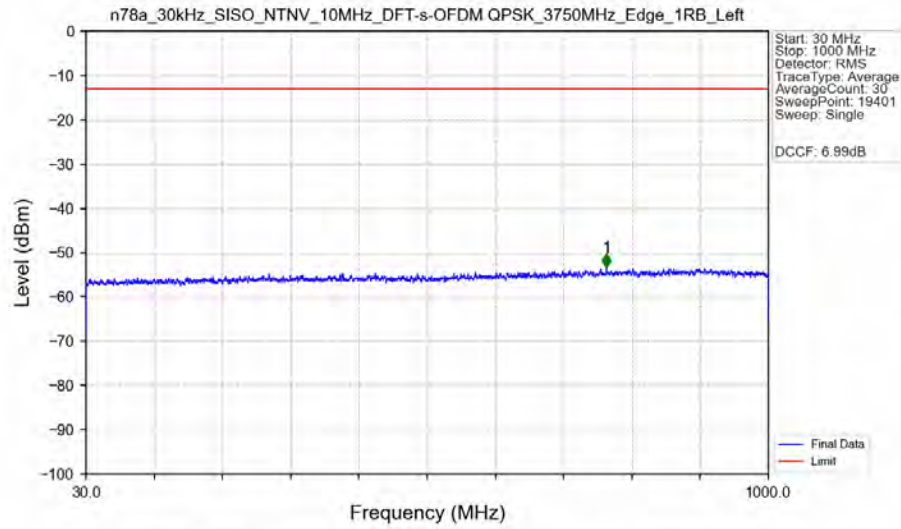
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3694.500	-41.99	-13	Pass
3695	3715	1	/	/	/	/	/	/
3715	38000	1	/	2	37831.000	-33.10	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3705MHz_Outer_Full_Ant0

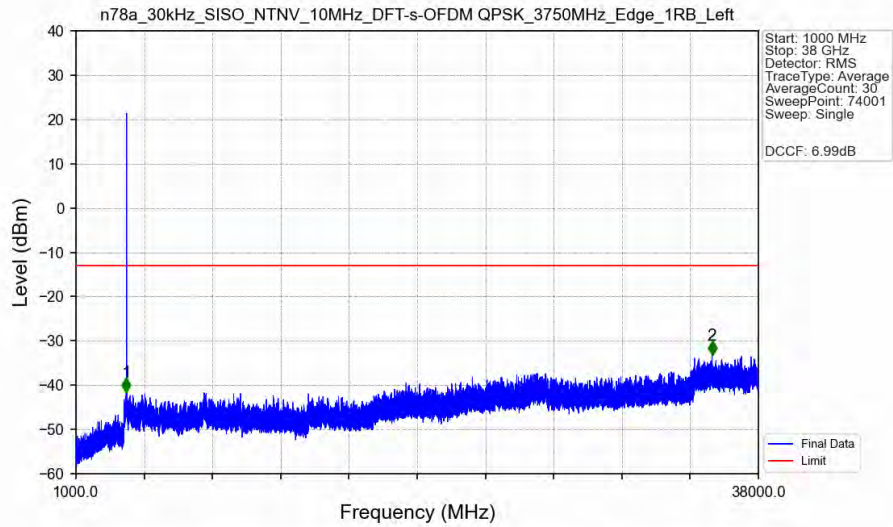


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-48.49	-13	Pass
3695	3699	0.5	CHP	2	3698.736	-33.81	-13	Pass
3699	3700	0.09243	CHP	3	3699.996	-37.74	-13	Pass
3700	3710	0.09243	CHP	/	/	/	/	/
3710	3711	0.09243	CHP	4	3710.004	-40.32	-13	Pass
3711	3715	0.5	CHP	5	3711.264	-34.02	-13	Pass

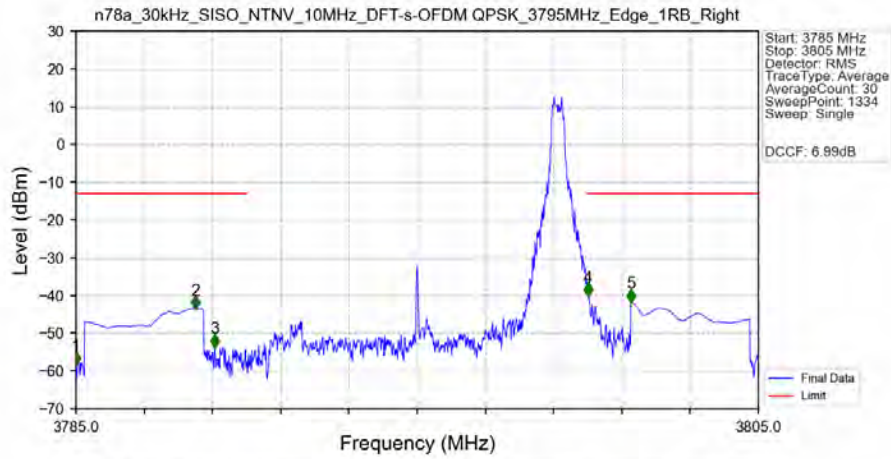
n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3750MHz_Edge_1RB_Left_Ant0



n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3750MHz_Edge_1RB_Left_Ant0

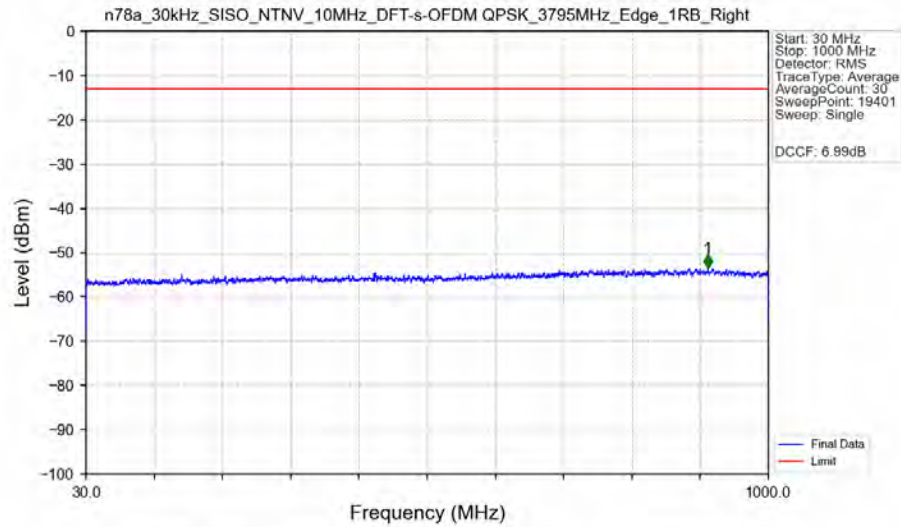


n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3795MHz_Edge_1RB_Right_Ant0



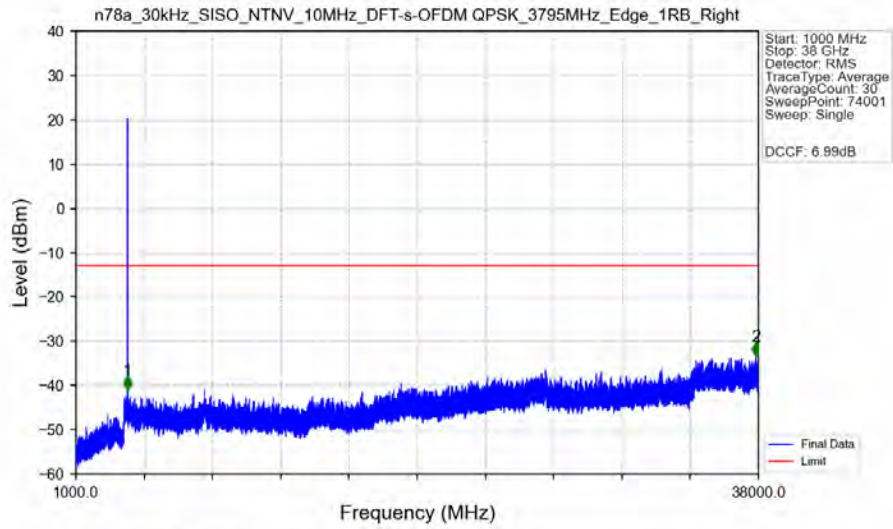
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3785	3785	0.5	/	1	3785.000	-58.15	-13	Pass
3785	3789	0.5	CHP	2	3788.496	-43.40	-13	Pass
3789	3790	0.03	/	3	3789.066	-53.55	-13	Pass
3790	3800	0.03	/	/	/	/	/	/
3800	3801	0.03	/	4	3800.004	-39.98	-13	Pass
3801	3805	0.5	CHP	5	3801.264	-41.57	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3795MHz_Edge_1RB_Right_Ant0



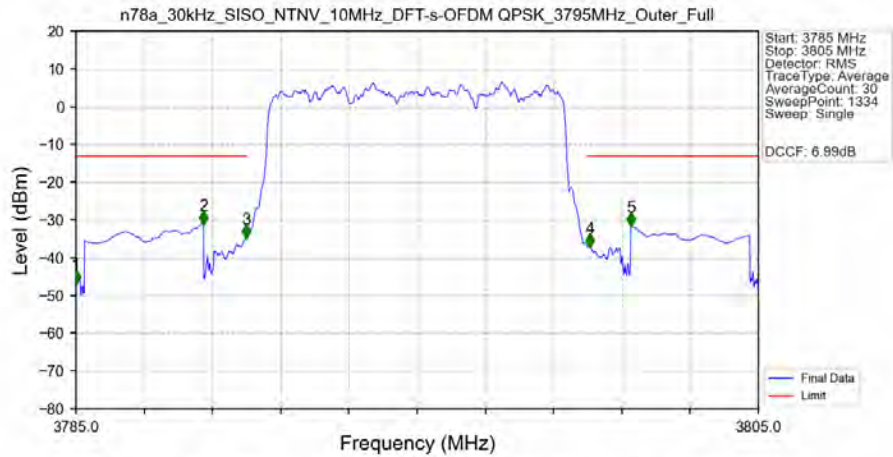
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	914.000	-53.43	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3795MHz_Edge_1RB_Right_Ant0



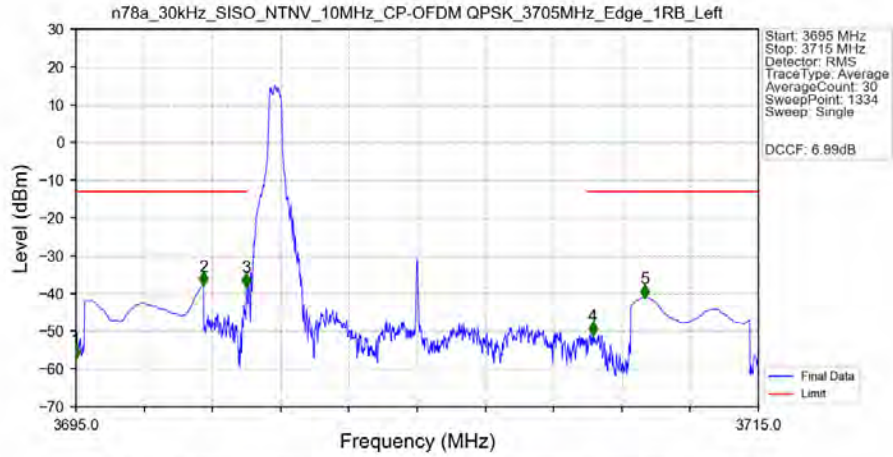
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3785	1	/	1	3782.500	-40.95	-13	Pass
3785	3805	1	/	/	/	/	/	/
3805	38000	1	/	2	37873.500	-33.37	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3795MHz_Outer_Full_Ant0



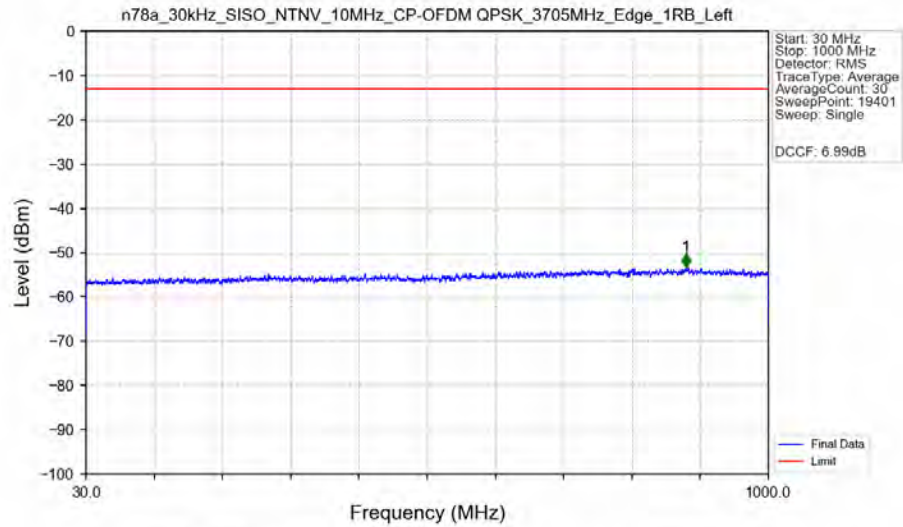
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3785	3785	0.5	/	1	3785.000	-46.55	-13	Pass
3785	3789	0.5	CHP	2	3788.736	-30.97	-13	Pass
3789	3790	0.09324	CHP	3	3789.996	-34.63	-13	Pass
3790	3800	0.09324	CHP	/	/	/	/	/
3800	3801	0.09324	CHP	4	3800.064	-36.90	-13	Pass
3801	3805	0.5	CHP	5	3801.264	-31.37	-13	Pass

n78a 30kHz SISO NTN 10MHz CP-OFDM QPSK 3705MHz Edge 1RB Left Ant0



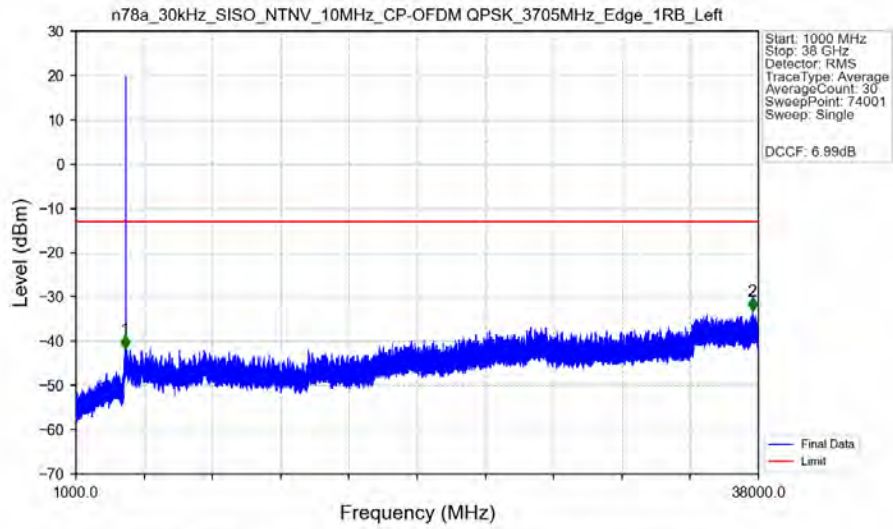
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-56.96	-13	Pass
3695	3699	0.5	CHP	2	3698.736	-37.61	-13	Pass
3699	3700	0.03	/	3	3699.996	-37.99	-13	Pass
3700	3710	0.03	/	/	/	/	/	/
3710	3711	0.03	/	4	3710.154	-50.79	-13	Pass
3711	3715	0.5	CHP	5	3711.669	-40.93	-13	Pass

n78a 30kHz SISO NTN 10MHz CP-OFDM QPSK 3705MHz Edge 1RB Left Ant0



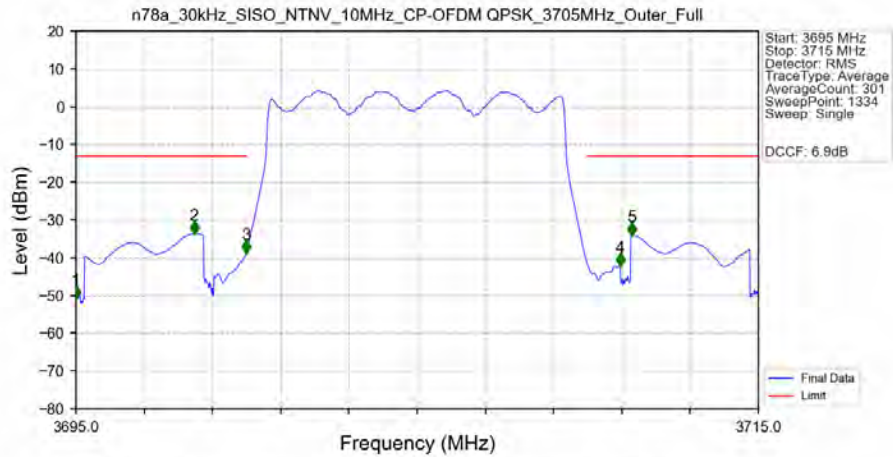
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	882.750	-53.22	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Edge_1RB_Left_Ant0



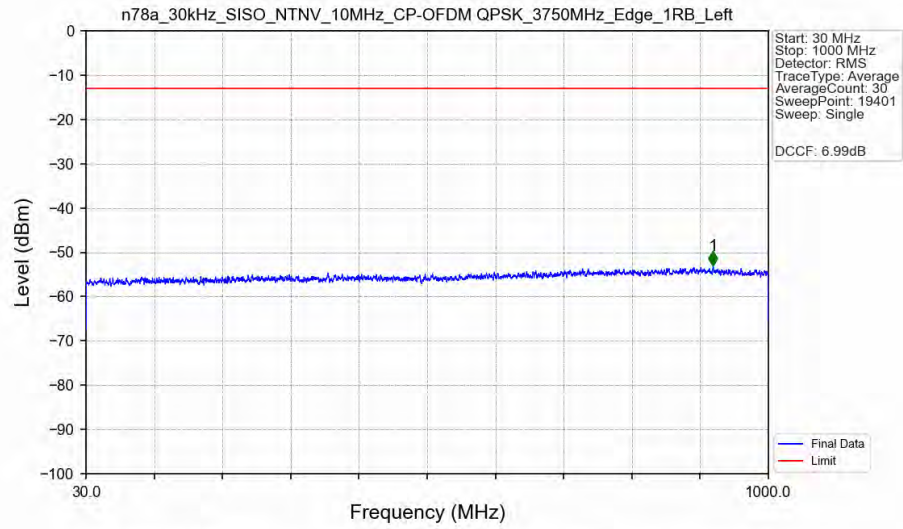
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3661.000	-41.79	-13	Pass
3695	3715	1	/	/	/	/	/	/
3715	38000	1	/	2	37680.000	-33.11	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Outer_Full_Ant0

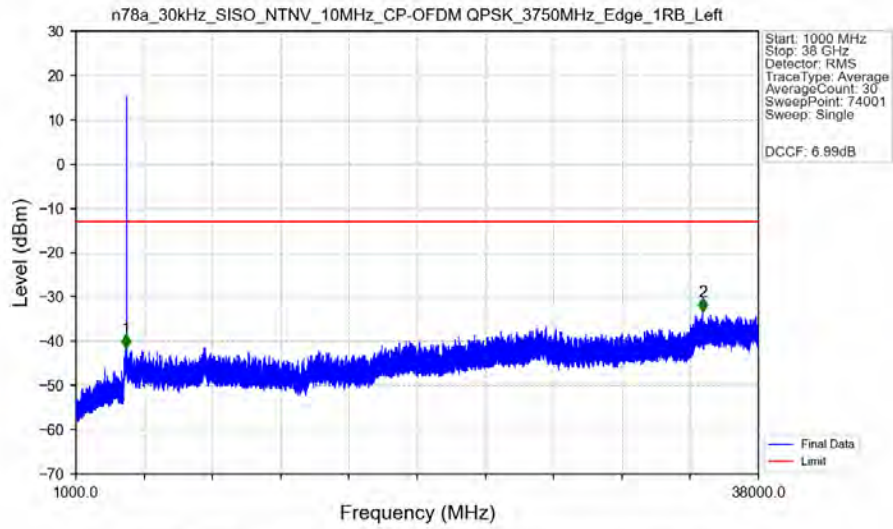


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-50.64	-13	Pass
3695	3699	0.5	CHP	2	3698.466	-33.49	-13	Pass
3699	3700	0.09324	CHP	3	3699.996	-38.65	-13	Pass
3700	3710	0.09324	CHP	/	/	/	/	/
3710	3711	0.09324	CHP	4	3710.949	-42.06	-13	Pass
3711	3715	0.5	CHP	5	3711.279	-33.96	-13	Pass

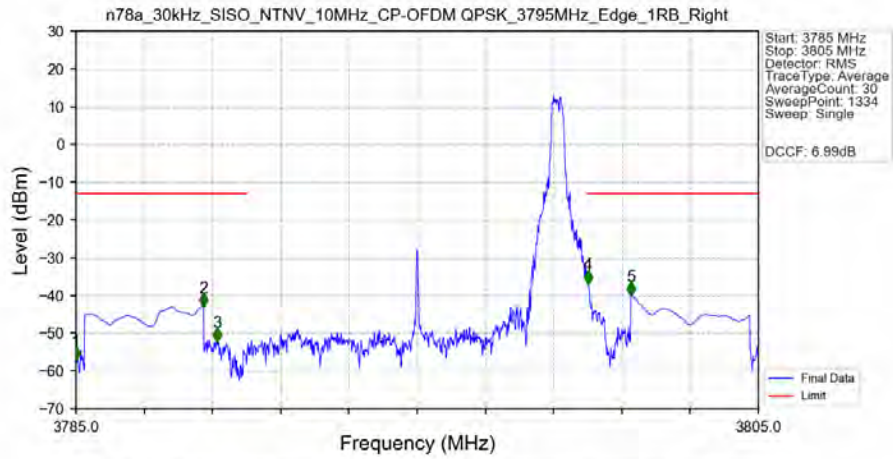
n78a 30kHz SISO NTN 10MHz CP-OFDM QPSK 3750MHz Edge 1RB Left Ant0



n78a 30kHz SISO NTN 10MHz CP-OFDM QPSK 3750MHz Edge 1RB Left Ant0

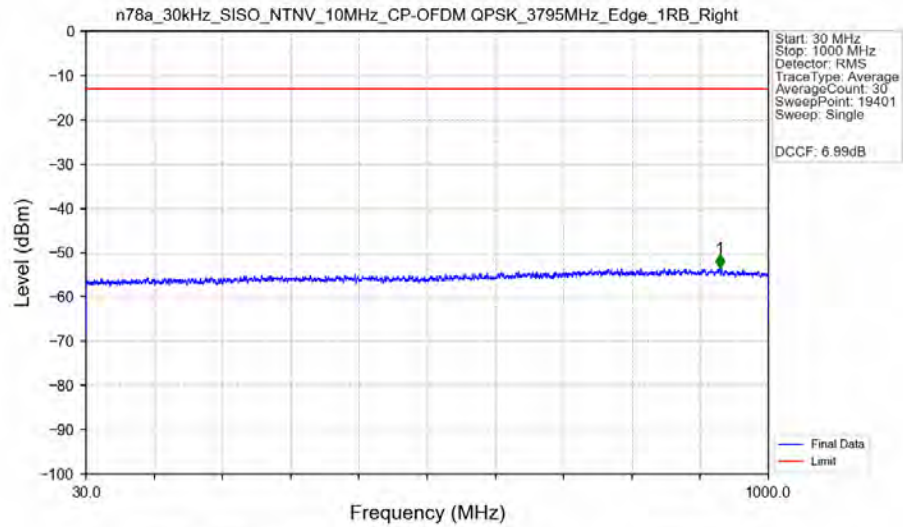


n78a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3795MHz_Edge_1RB_Right_Ant0



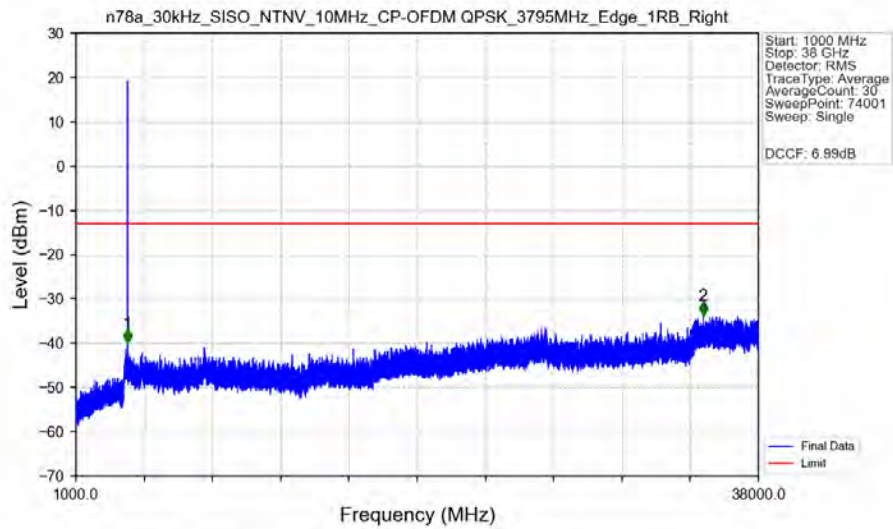
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3785	3785	0.5	/	1	3785.000	-56.92	-13	Pass
3785	3789	0.5	CHP	2	3788.736	-42.79	-13	Pass
3789	3790	0.03	/	3	3789.141	-51.95	-13	Pass
3790	3800	0.03	/	/	/	/	/	/
3800	3801	0.03	/	4	3800.004	-36.68	-13	Pass
3801	3805	0.5	CHP	5	3801.264	-39.84	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3795MHz_Edge_1RB_Right_Ant0



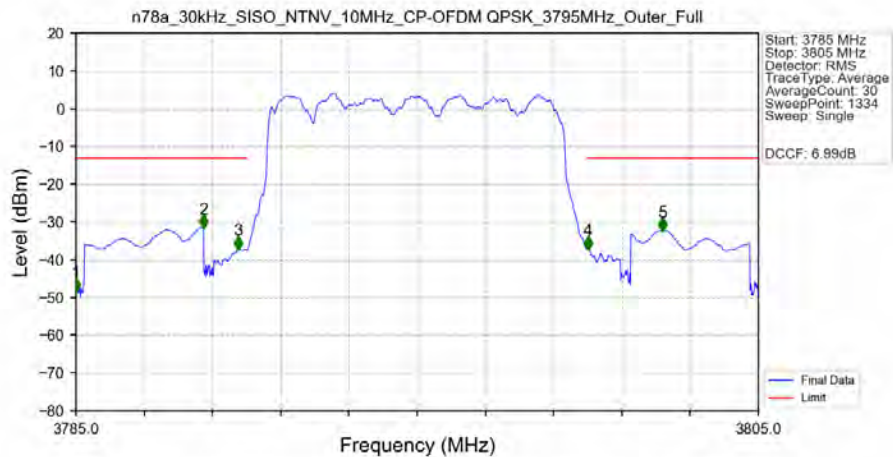
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	930.850	-53.51	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3795MHz_Edge_1RB_Right_Ant0



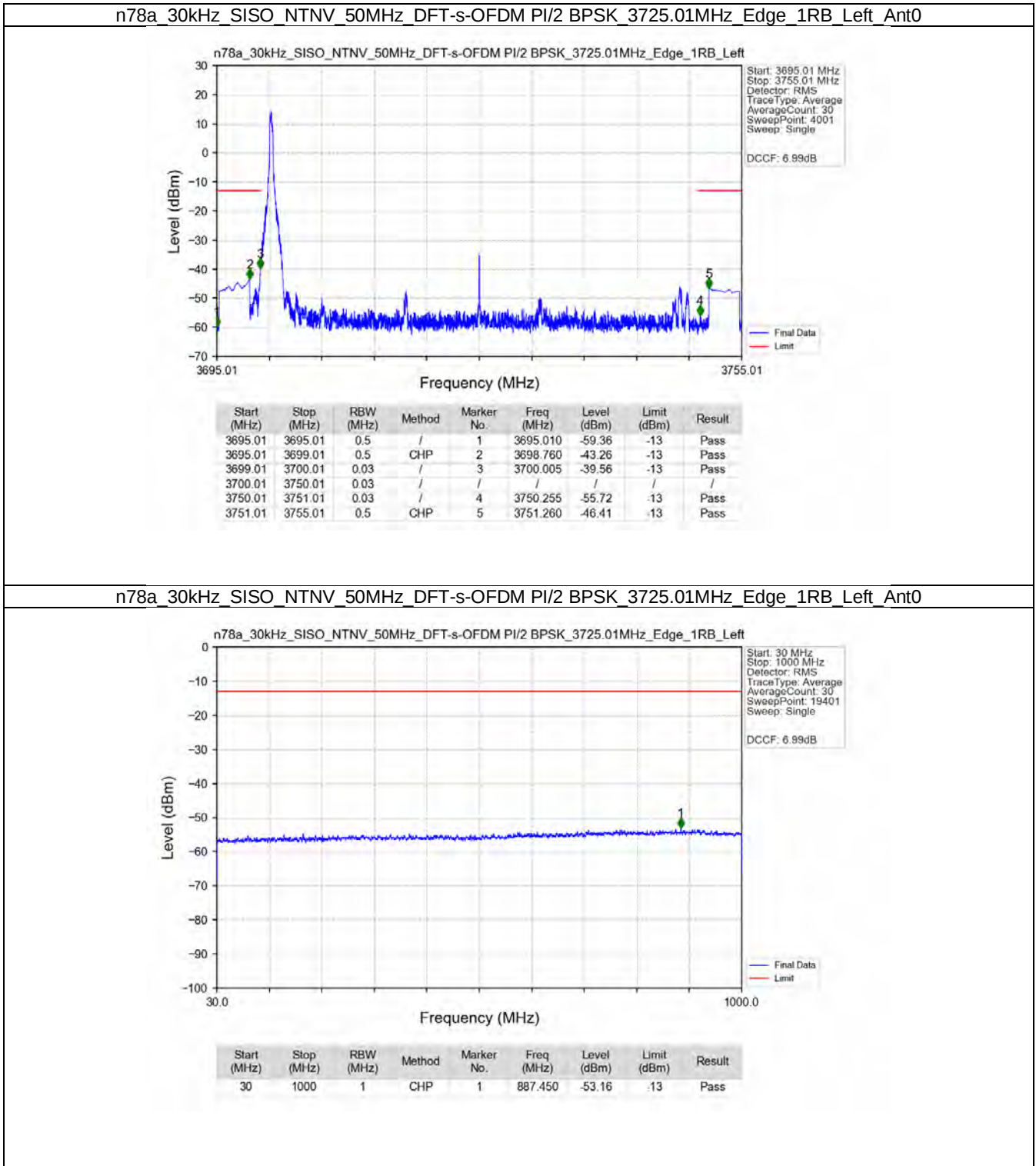
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3785	1	/	1	3783.000	-39.84	-13	Pass
3785	3805	1	/	/	/	/	/	/
3805	38000	1	/	2	35010.500	-33.74	-13	Pass

n78a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3795MHz_Outer_Full_Ant0

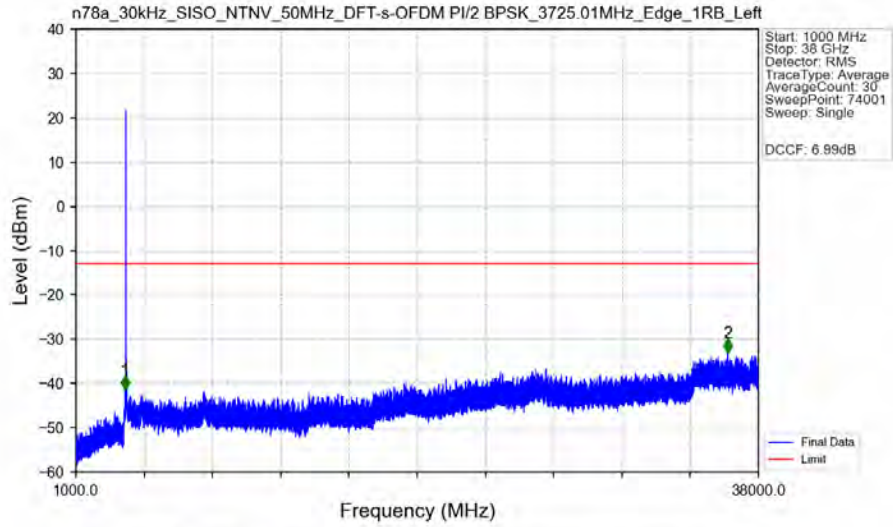


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3785	3785	0.5	/	1	3785.000	-48.20	-13	Pass
3785	3789	0.5	CHP	2	3788.736	-31.38	-13	Pass
3789	3790	0.09253	CHP	3	3789.756	-37.08	-13	Pass
3790	3800	0.09253	CHP	/	/	/	/	/
3800	3801	0.09253	CHP	4	3800.004	-37.04	-13	Pass
3801	3805	0.5	CHP	5	3802.179	-32.29	-13	Pass

5.2.2 30k_SISO_50MHz_NTNV

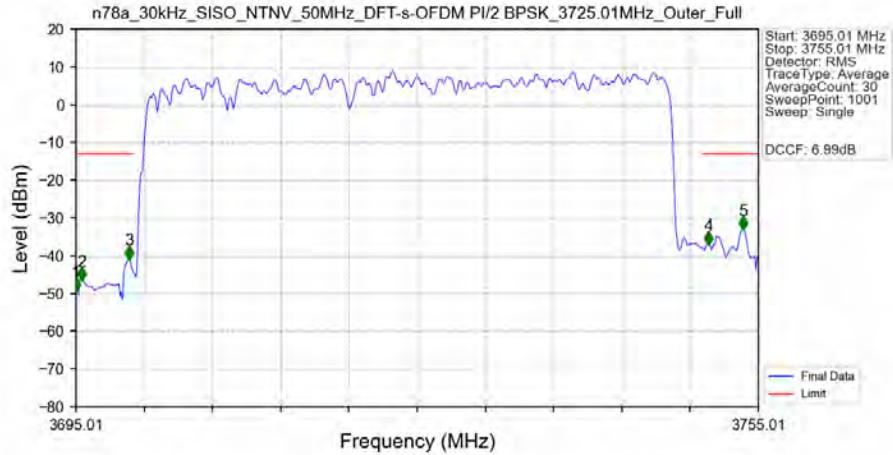


n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_3725.01MHz_Edge_1RB_Left_Ant0



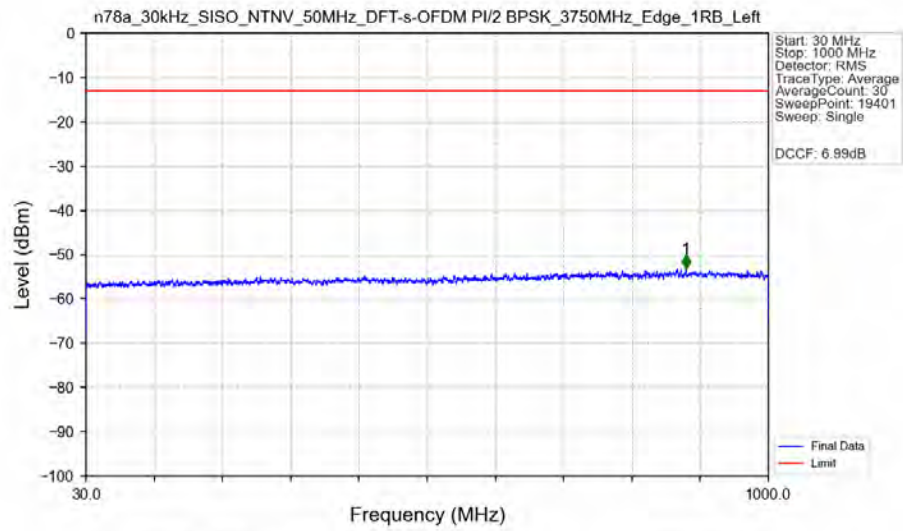
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.01	1	/	1	3664.000	-41.29	-13	Pass
3695.01	3755.01	1	/	/	/	/	/	/
3755.01	38000	1	/	2	36339.000	-33.04	-13	Pass

n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_3725.01MHz_Outer_Full_Ant0

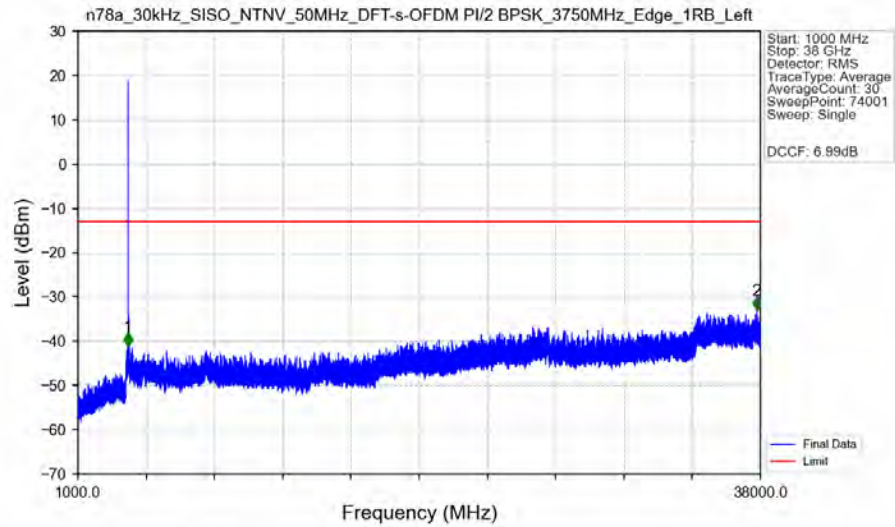


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.01	3695.01	0.5	/	1	3695.010	-49.17	-13	Pass
3695.01	3699.01	0.5	CHP	2	3695.490	-46.30	-13	Pass
3699.01	3700.01	0.35	CHP	3	3699.690	-40.72	-13	Pass
3700.01	3750.01	0.35	CHP	/	/	/	/	/
3750.01	3751.01	0.35	CHP	4	3750.630	-36.84	-13	Pass
3751.01	3755.01	0.5	CHP	5	3753.630	-32.83	-13	Pass

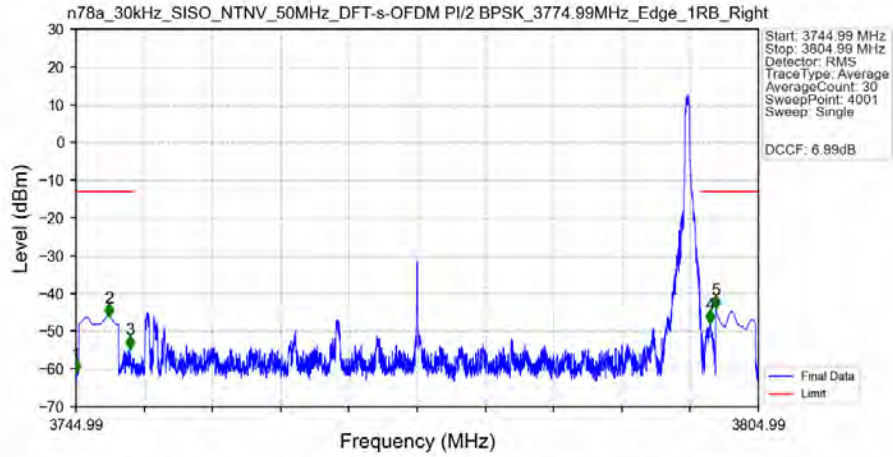
n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_3750MHz_Edge_1RB_Left_Ant0



n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_3750MHz_Edge_1RB_Left_Ant0

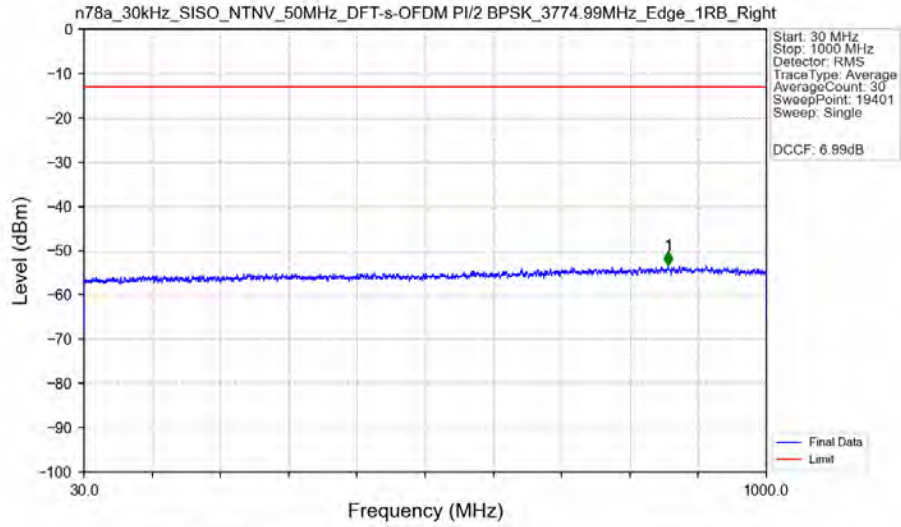


n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_3774.99MHz_Edge_1RB_Right_Ant0



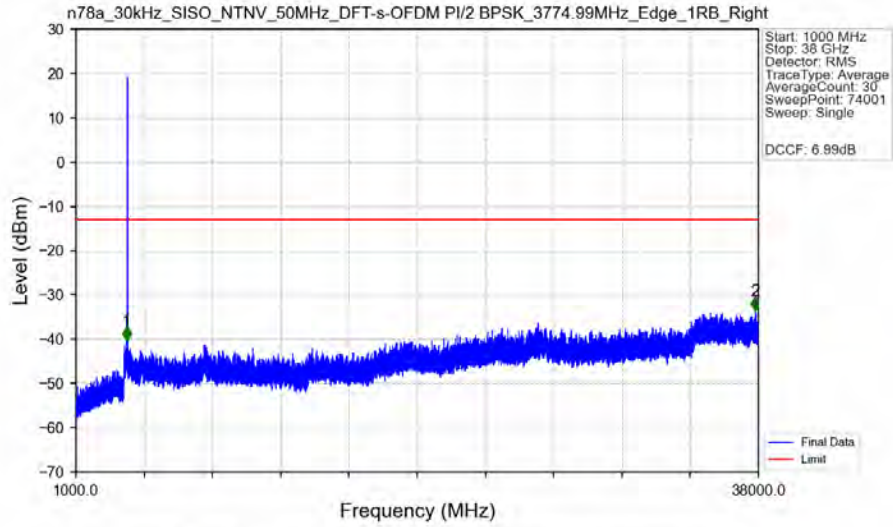
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3744.99	3744.99	0.5	/	1	3744.990	-60.73	-13	Pass
3744.99	3748.99	0.5	CHP	2	3747.930	-45.96	-13	Pass
3748.99	3749.99	0.03	/	3	3749.715	-54.38	-13	Pass
3749.99	3799.99	0.03	/	/	/	/	/	/
3799.99	3800.99	0.03	/	4	3800.745	-47.62	-13	Pass
3800.99	3804.99	0.5	CHP	5	3801.240	-43.88	-13	Pass

n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_3774.99MHz_Edge_1RB_Right_Ant0



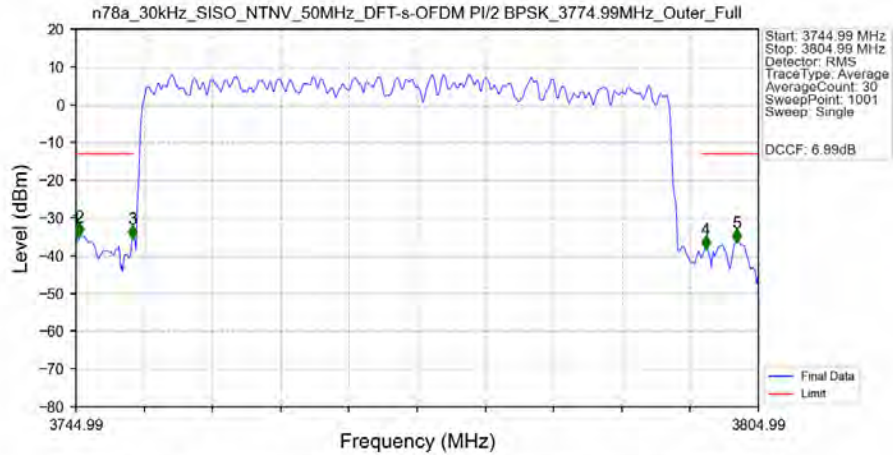
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	860.550	-53.33	-13	Pass

n78a 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3774.99MHz Edge 1RB Right Ant0



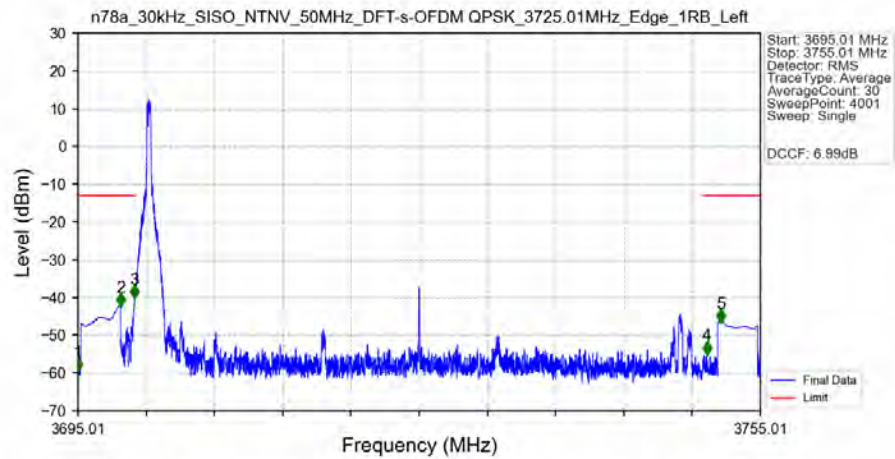
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3744.99	1	/	1	3737.000	-40.22	-13	Pass
3744.99	3804.99	1	/	/	/	/	/	/
3804.99	38000	1	/	2	37838.500	-33.53	-13	Pass

n78a 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3774.99MHz Outer_Full Ant0



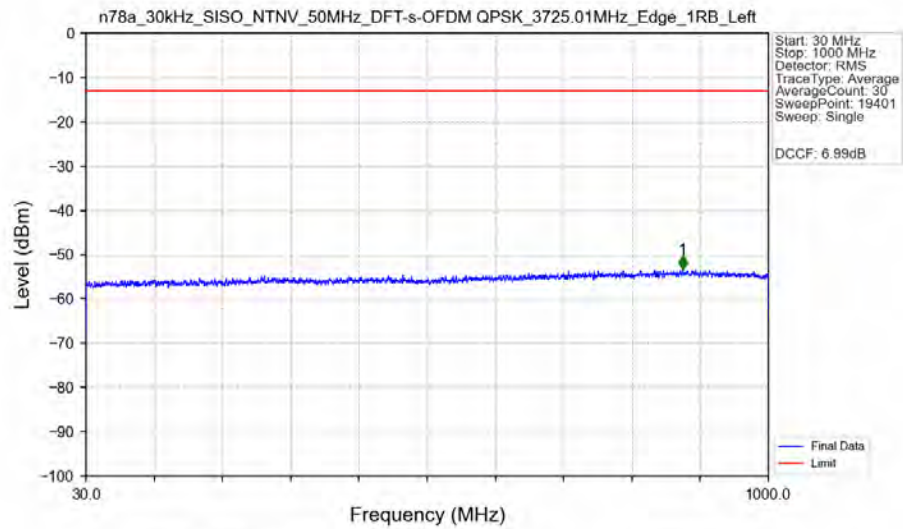
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3744.99	3744.99	0.5	/	1	3744.990	-35.03	-13	Pass
3744.99	3748.99	0.5	CHP	2	3745.290	-34.64	-13	Pass
3748.99	3749.99	0.35	CHP	3	3749.970	-35.15	-13	Pass
3749.99	3799.99	0.35	CHP	/	/	/	/	/
3799.99	3800.99	0.35	CHP	4	3800.370	-37.94	-13	Pass
3800.99	3804.99	0.5	CHP	5	3803.070	-36.18	-13	Pass

n78a 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3725.01MHz Edge 1RB Left Ant0



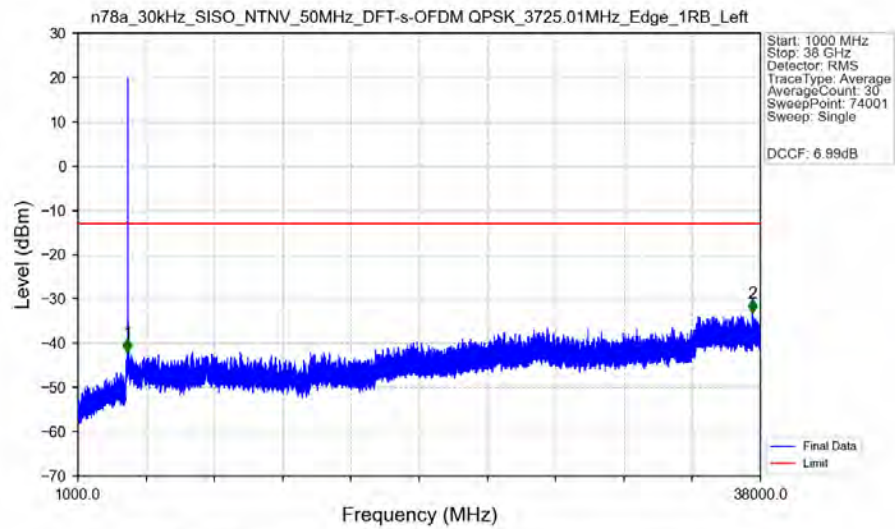
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.01	3695.01	0.5	/	1	3695.010	-59.21	-13	Pass
3695.01	3699.01	0.5	CHP	2	3698.760	-42.17	-13	Pass
3699.01	3700.01	0.03	/	3	3700.005	-40.04	-13	Pass
3700.01	3750.01	0.03	/	/	/	/	/	/
3750.01	3751.01	0.03	/	4	3750.300	-54.87	-13	Pass
3751.01	3755.01	0.5	CHP	5	3751.500	-46.36	-13	Pass

n78a 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3725.01MHz Edge 1RB Left Ant0



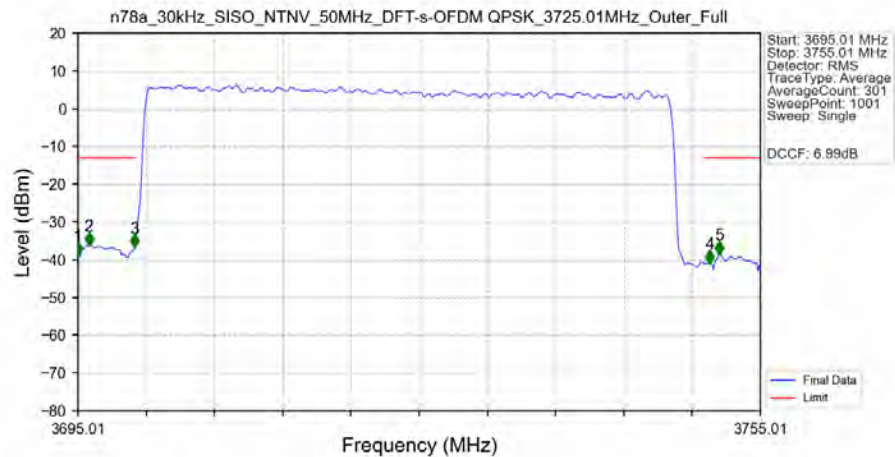
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	878.200	-53.37	-13	Pass

n78a 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3725.01MHz Edge 1RB Left Ant0



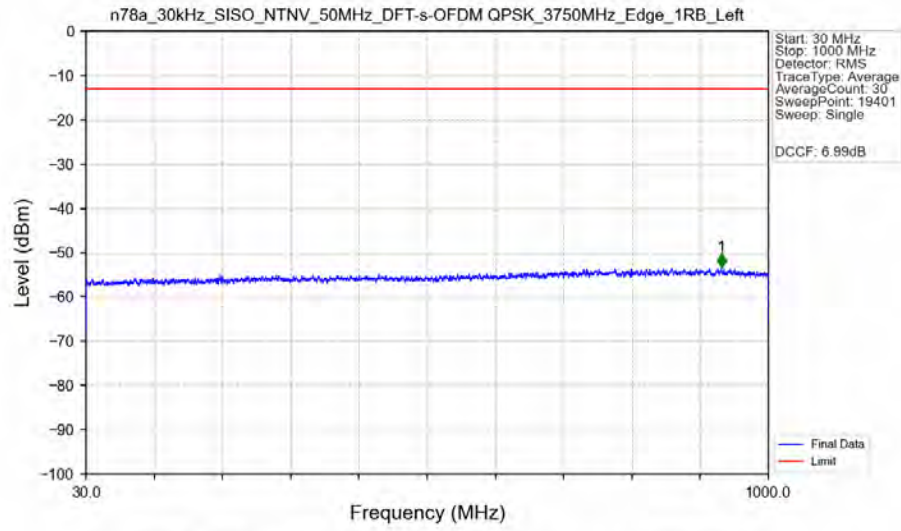
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.01	1	/	1	3676.500	-42.04	-13	Pass
3695.01	3755.01	1	/	/	/	/	/	/
3755.01	38000	1	/	2	37565.000	-33.17	-13	Pass

n78a 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3725.01MHz Outer_Full Ant0

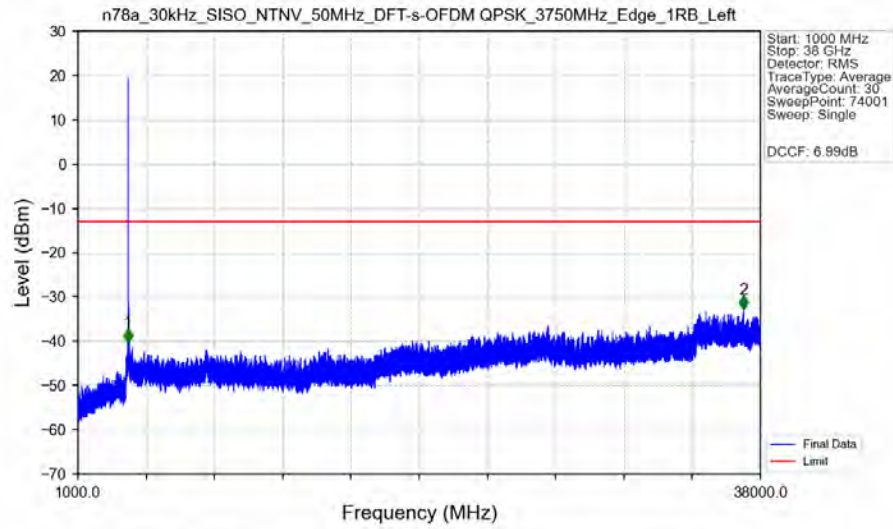


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.01	3695.01	0.5	/	1	3695.010	-38.53	-13	Pass
3695.01	3699.01	0.5	CHP	2	3695.970	-35.99	-13	Pass
3699.01	3700.01	0.35	CHP	3	3699.990	-36.55	-13	Pass
3700.01	3750.01	0.35	CHP	/	/	/	/	/
3750.01	3751.01	0.35	CHP	4	3750.570	-40.68	-13	Pass
3751.01	3755.01	0.5	CHP	5	3751.410	-38.36	-13	Pass

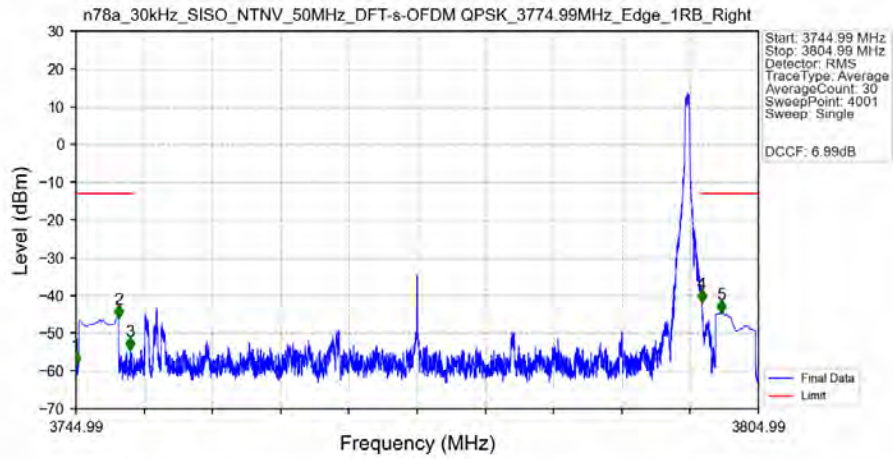
n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3750MHz_Edge_1RB_Left_Ant0



n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3750MHz_Edge_1RB_Left_Ant0

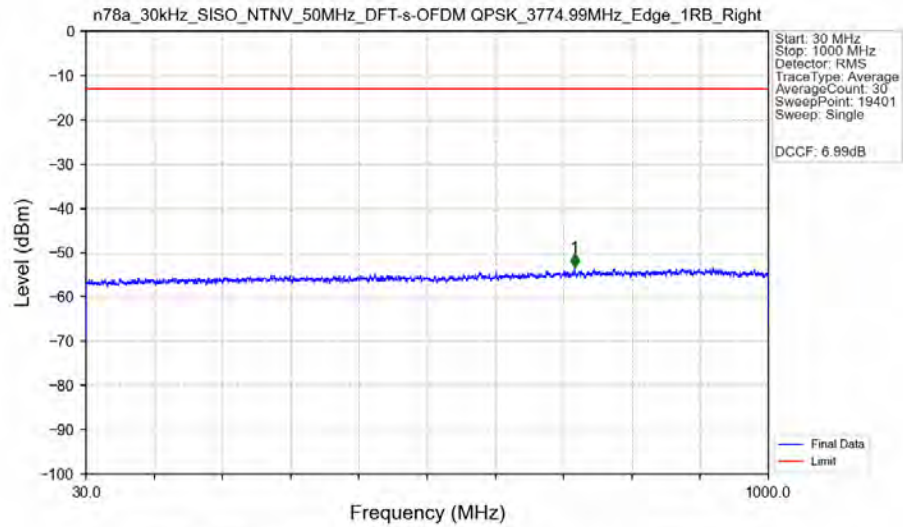


n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3774.99MHz_Edge_1RB_Right_Ant0



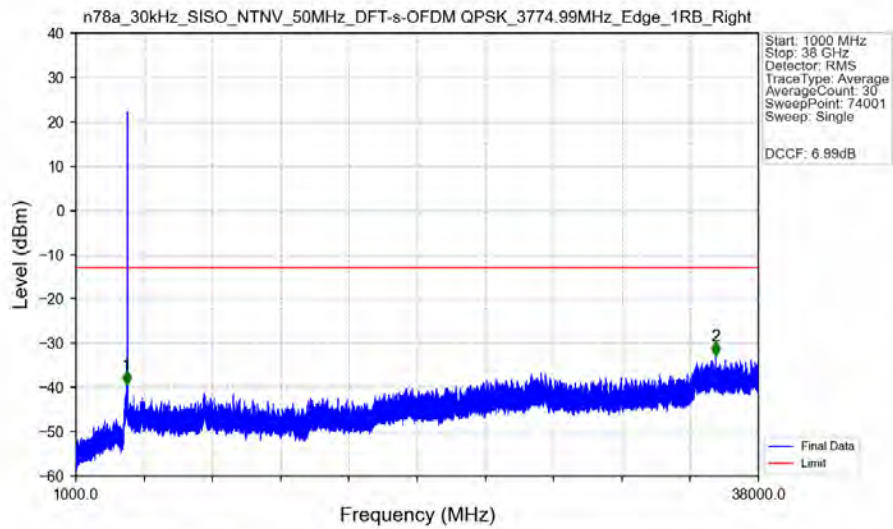
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3744.99	3744.99	0.5	/	1	3744.990	-58.05	-13	Pass
3744.99	3748.99	0.5	CHP	2	3748.740	-45.89	-13	Pass
3748.99	3749.99	0.03	/	3	3749.775	-54.33	-13	Pass
3749.99	3799.99	0.03	/	/	/	/	/	/
3799.99	3800.99	0.03	/	4	3799.995	-41.63	-13	Pass
3800.99	3804.99	0.5	CHP	5	3801.705	-44.55	-13	Pass

n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3774.99MHz_Edge_1RB_Right_Ant0



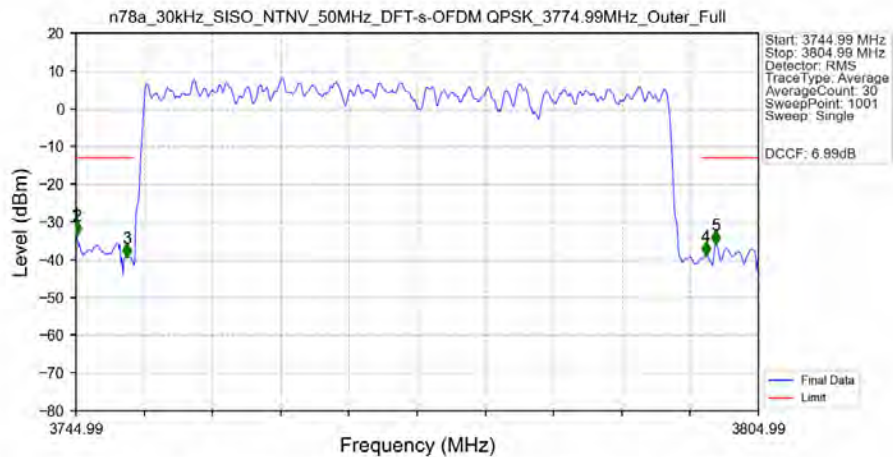
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	724.450	-53.28	-13	Pass

n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3774.99MHz_Edge_1RB_Right_Ant0



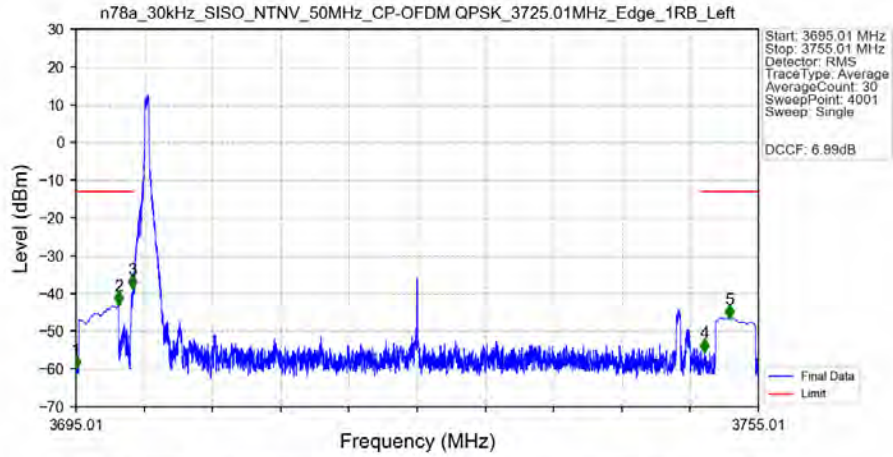
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3744.99	1	/	1	3740.500	-39.41	-13	Pass
3744.99	3804.99	1	/	/	/	/	/	/
3804.99	38000	1	/	2	35691.000	-32.79	-13	Pass

n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3774.99MHz_Outer_Full_Ant0

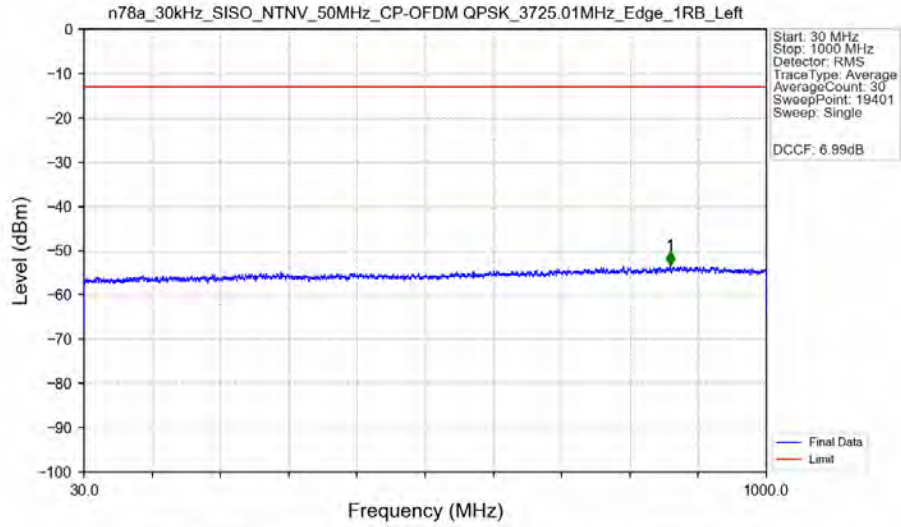


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3744.99	3744.99	0.5	/	1	3744.990	-32.74	-13	Pass
3744.99	3748.99	0.5	CHP	2	3745.050	-33.23	-13	Pass
3748.99	3749.99	0.35	CHP	3	3749.430	-39.02	-13	Pass
3749.99	3799.99	0.35	CHP	/	/	/	/	/
3799.99	3800.99	0.35	CHP	4	3800.370	-38.71	-13	Pass
3800.99	3804.99	0.5	CHP	5	3801.210	-35.68	-13	Pass

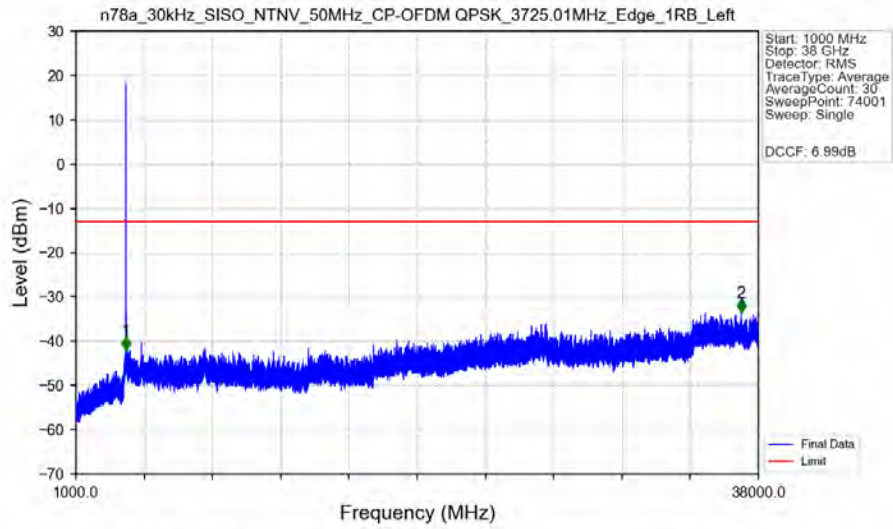
n78a 30kHz SISO NTN 50MHz CP-OFDM QPSK 3725.01MHz Edge 1RB Left Ant0



n78a 30kHz SISO NTN 50MHz CP-OFDM QPSK 3725.01MHz Edge 1RB Left Ant0

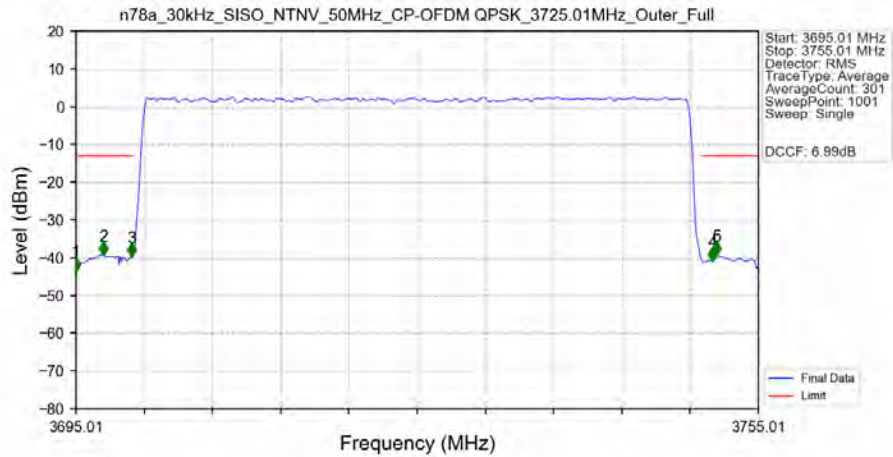


n78a_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3725.01MHz_Edge_1RB_Left_Ant0



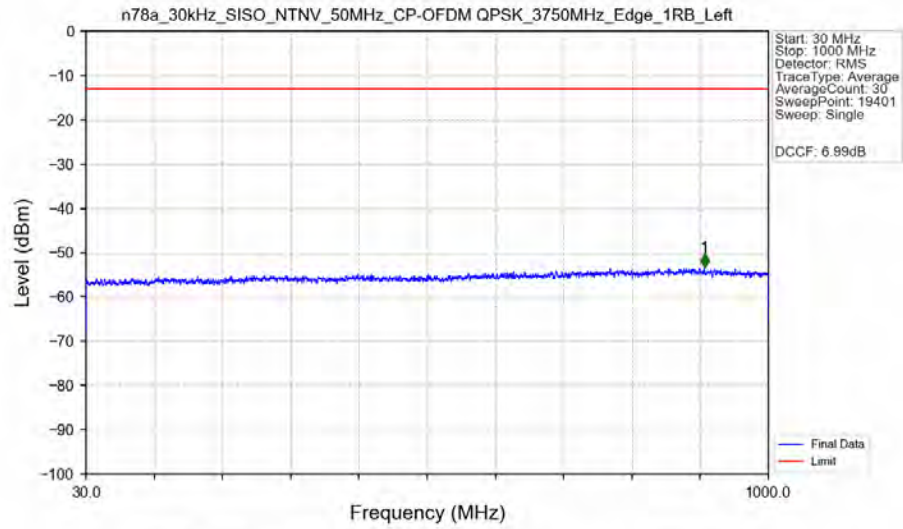
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.01	1	/	1	3693.500	-42.13	-13	Pass
3695.01	3755.01	1	/	/	/	/	/	/
3755.01	38000	1	/	2	37065.500	-33.59	-13	Pass

n78a_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3725.01MHz_Outer_Full_Ant0



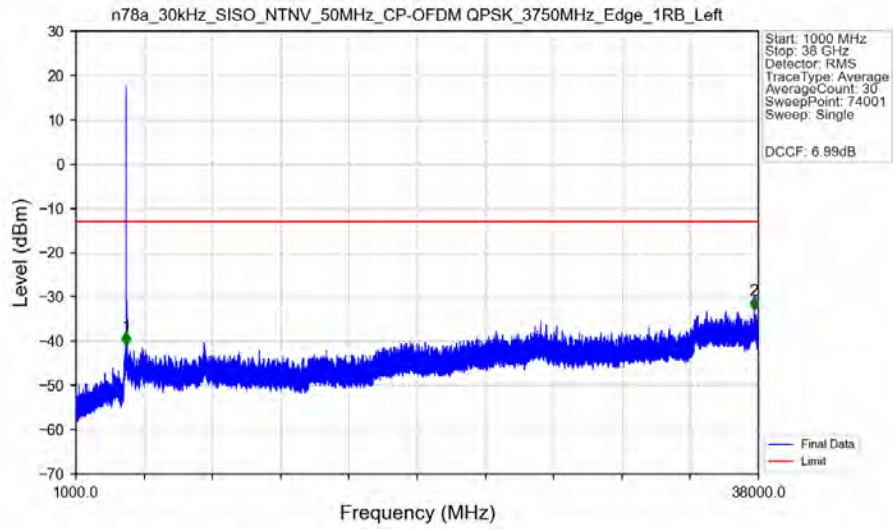
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.01	3695.01	0.5	/	1	3695.010	-43.27	-13	Pass
3695.01	3699.01	0.5	CHP	2	3697.410	-39.15	-13	Pass
3699.01	3700.01	0.35	CHP	3	3699.930	-39.56	-13	Pass
3700.01	3750.01	0.35	CHP	/	/	/	/	/
3750.01	3751.01	0.35	CHP	4	3750.990	-40.61	-13	Pass
3751.01	3755.01	0.5	CHP	5	3751.290	-39.08	-13	Pass

n78a 30kHz SISO NTN 50MHz CP-OFDM QPSK 3750MHz Edge 1RB Left Ant0



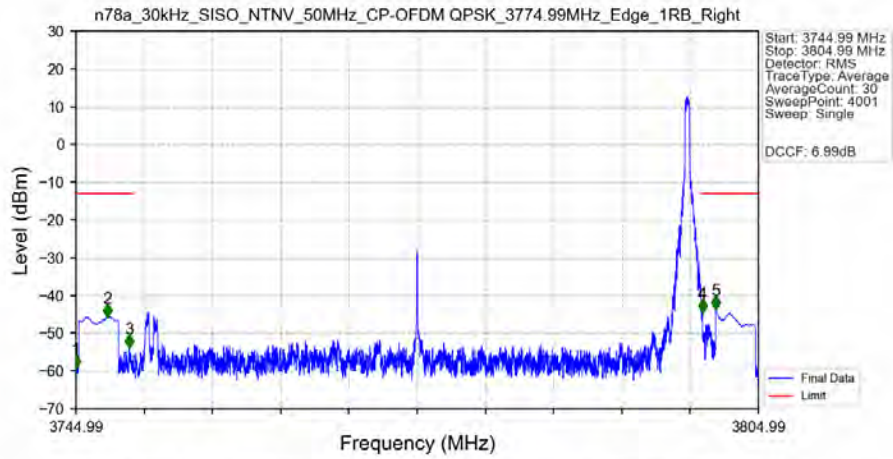
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	908.900	-53.39	-13	Pass

n78a 30kHz SISO NTN 50MHz CP-OFDM QPSK 3750MHz Edge 1RB Left Ant0



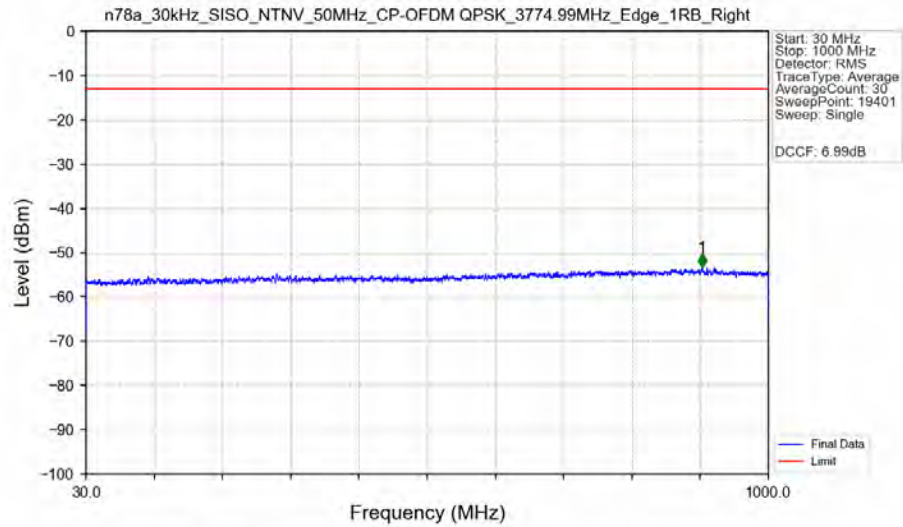
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3720	1	/	1	3718.500	-41.05	-13	Pass
3720	3780	1	/	/	/	/	/	/
3780	38000	1	/	2	37762.500	-32.92	-13	Pass

n78a_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3774.99MHz_Edge_1RB_Right_Ant0



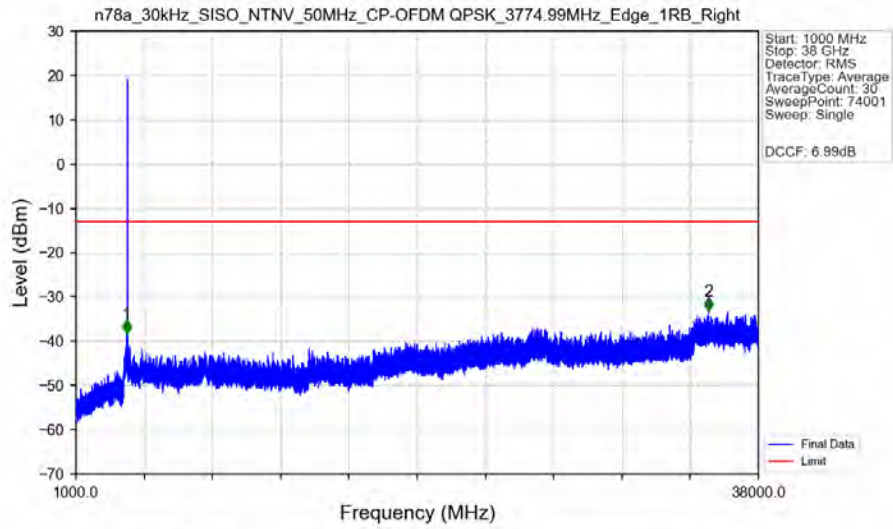
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3744.99	3744.99	0.5	/	1	3744.990	-59.03	-13	Pass
3744.99	3748.99	0.5	CHP	2	3747.765	-45.60	-13	Pass
3748.99	3749.99	0.03	/	3	3749.670	-53.63	-13	Pass
3749.99	3799.99	0.03	/	/	/	/	/	/
3799.99	3800.99	0.03	/	4	3800.070	-44.25	-13	Pass
3800.99	3804.99	0.5	CHP	5	3801.240	-43.41	-13	Pass

n78a_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3774.99MHz_Edge_1RB_Right_Ant0



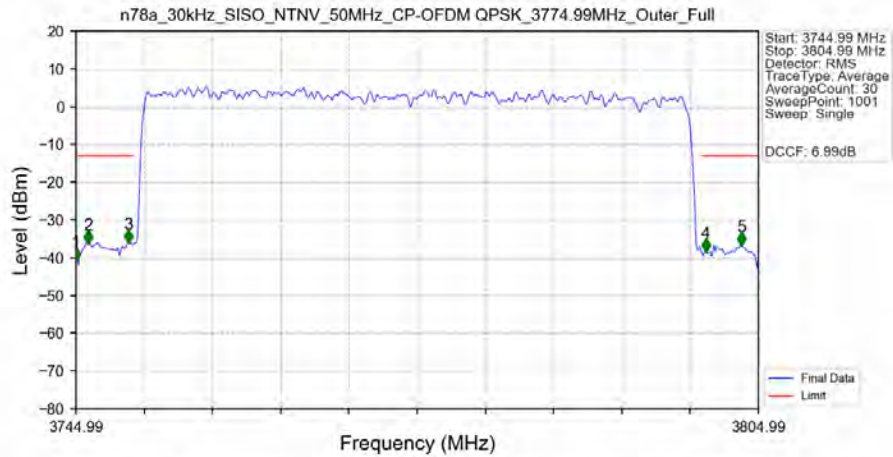
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	905.800	-53.28	-13	Pass

n78a_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3774.99MHz_Edge_1RB_Right_Ant0



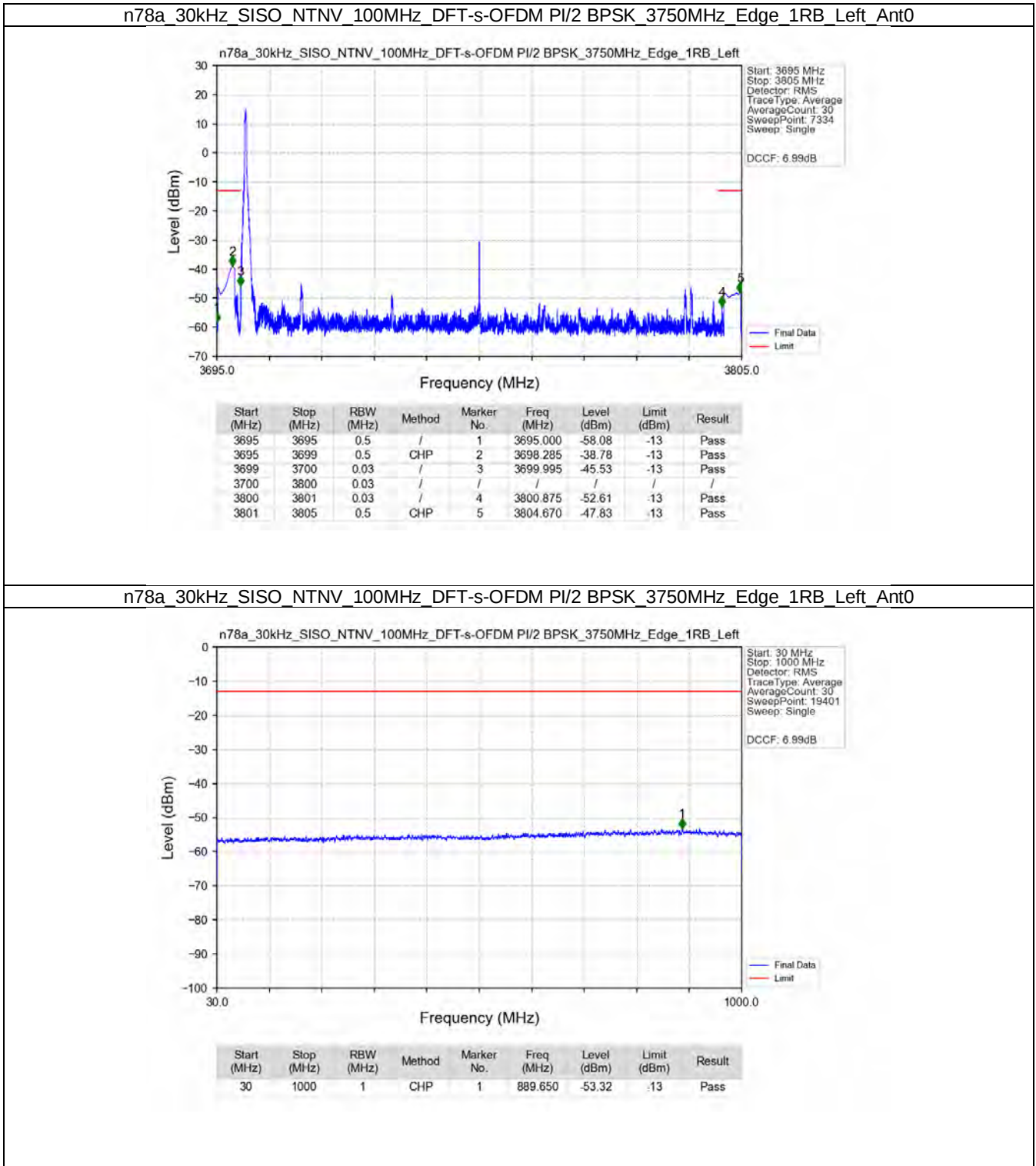
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3744.99	1	/	1	3737.500	-38.29	-13	Pass
3744.99	3804.99	1	/	/	/	/	/	/
3804.99	38000	1	/	2	35305.000	-33.14	-13	Pass

n78a_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3774.99MHz_Outer_Full_Ant0

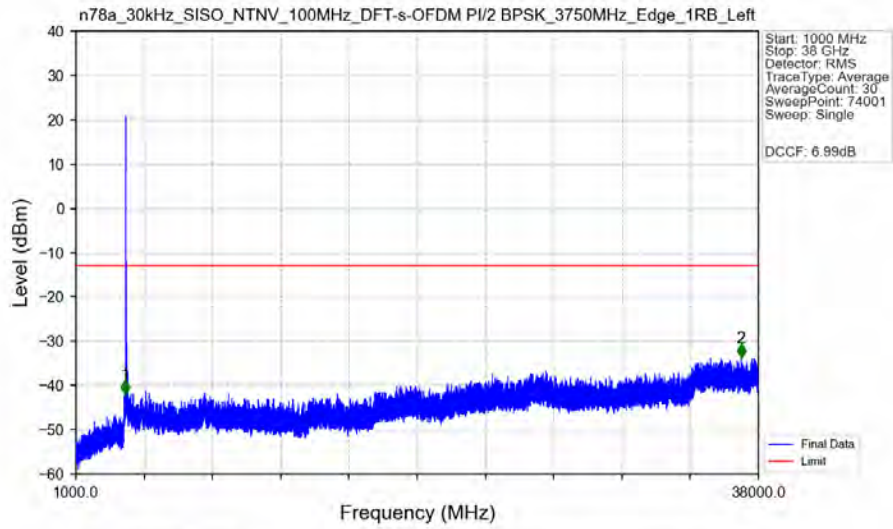


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3744.99	3744.99	0.5	/	1	3744.990	-40.59	-13	Pass
3744.99	3748.99	0.5	CHP	2	3746.070	-36.03	-13	Pass
3748.99	3749.99	0.35	CHP	3	3749.610	-35.95	-13	Pass
3749.99	3799.99	0.35	CHP	/	/	/	/	/
3799.99	3800.99	0.35	CHP	4	3800.370	-38.31	-13	Pass
3800.99	3804.99	0.5	CHP	5	3803.490	-36.48	-13	Pass

5.2.3 30k_SISO_100MHz_NTNV

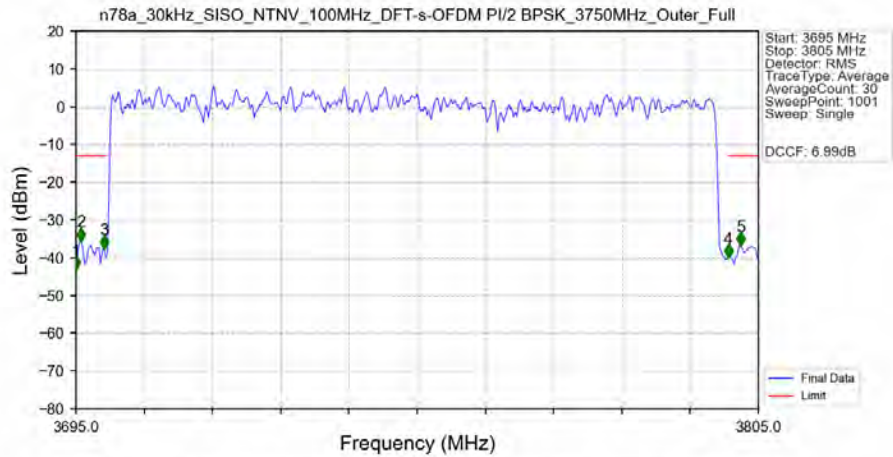


n78a 30kHz SISO NTNv 100MHz DFT-s-OFDM PI/2 BPSK 3750MHz Edge 1RB Left Ant0



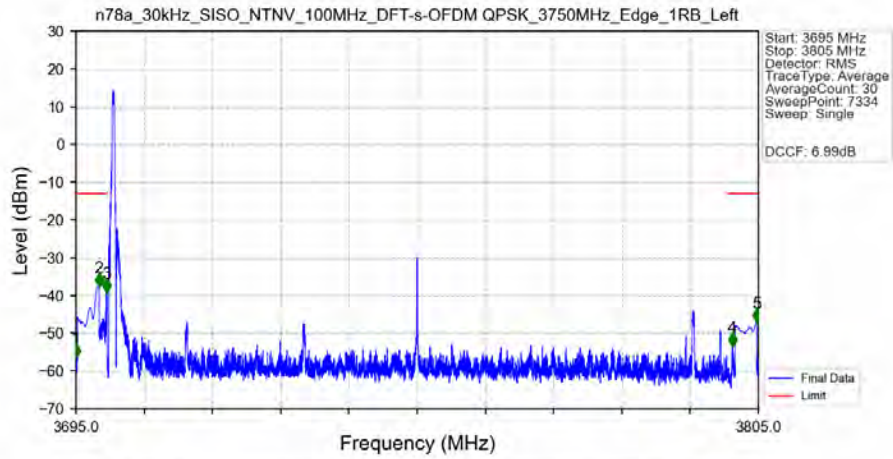
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3659.000	-41.99	-13	Pass
3695	3805	1	/	/	/	/	/	/
3805	38000	1	/	2	37061.000	-33.74	-13	Pass

n78a 30kHz SISO NTNv 100MHz DFT-s-OFDM PI/2 BPSK 3750MHz Outer_Full Ant0



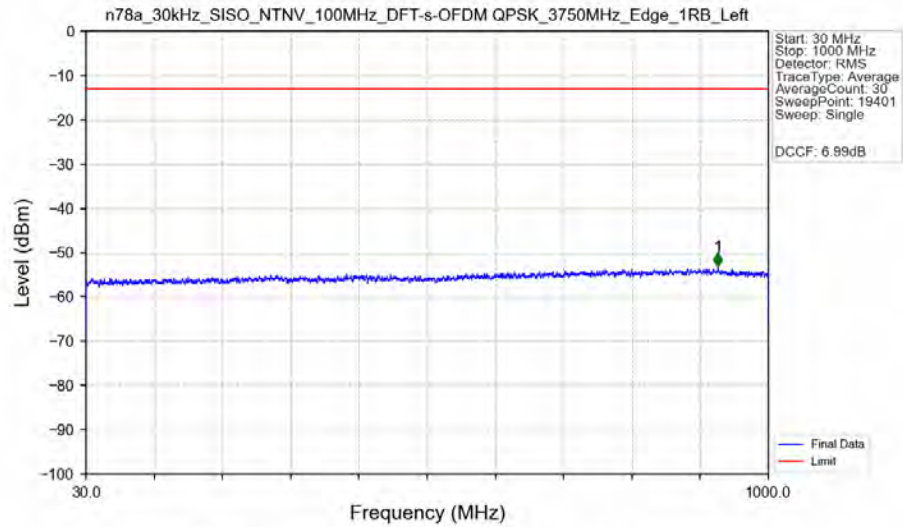
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-42.90	-13	Pass
3695	3699	0.5	CHP	2	3695.770	-35.37	-13	Pass
3699	3700	0.35	CHP	3	3699.510	-37.45	-13	Pass
3700	3800	0.35	CHP	/	/	/	/	/
3800	3801	0.35	CHP	4	3800.160	-39.76	-13	Pass
3801	3805	0.5	CHP	5	3802.140	-36.52	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3750MHz_Edge_1RB_Left_Ant0



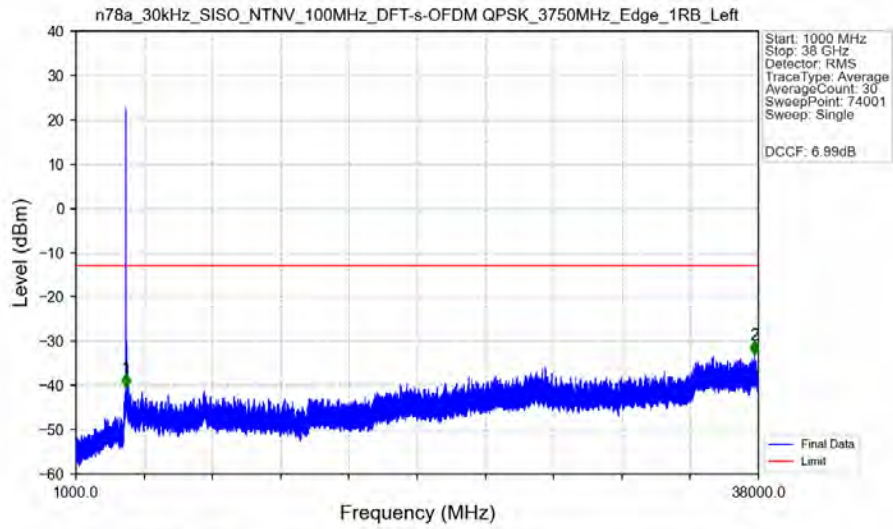
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-56.12	-13	Pass
3695	3699	0.5	CHP	2	3698.720	-37.43	-13	Pass
3699	3700	0.03	/	3	3699.950	-38.93	-13	Pass
3700	3800	0.03	/	/	/	/	/	/
3800	3801	0.03	/	4	3800.845	-53.27	-13	Pass
3801	3805	0.5	CHP	5	3804.745	-46.82	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3750MHz_Edge_1RB_Left_Ant0



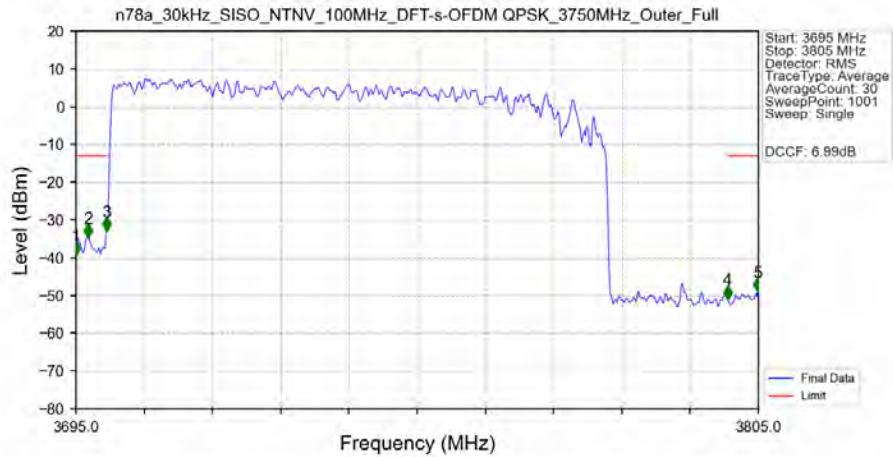
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	928.300	-53.19	-13	Pass

n78a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3750MHz Edge 1RB Left Ant0



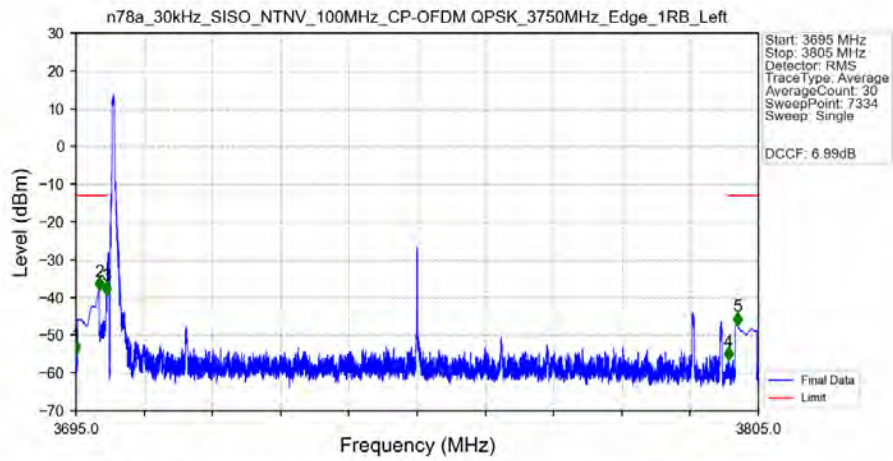
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3690.500	-40.48	-13	Pass
3695	3805	1	/	/	/	/	/	/
3805	38000	1	/	2	37796.500	-33.00	-13	Pass

n78a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3750MHz Outer_Full Ant0



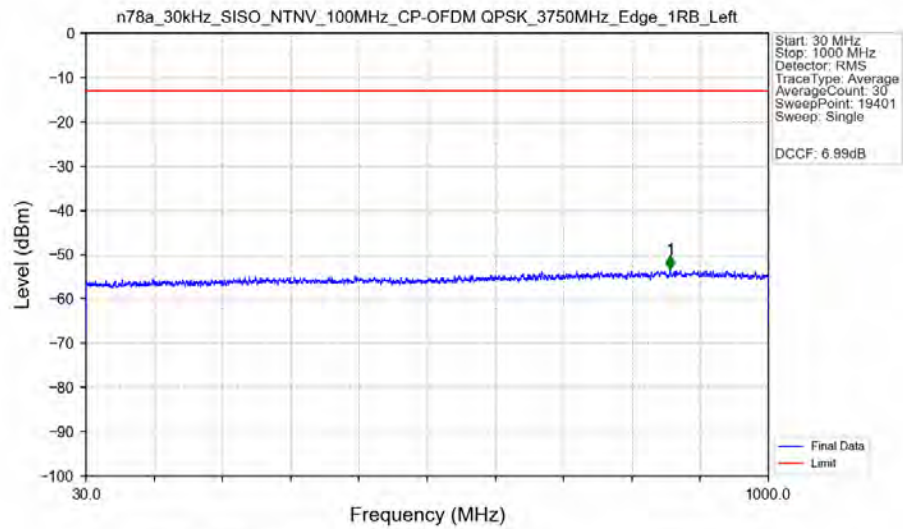
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-39.01	-13	Pass
3695	3699	0.5	CHP	2	3696.080	-34.45	-13	Pass
3699	3700	0.35	CHP	3	3699.950	-32.72	-13	Pass
3700	3800	0.35	CHP	/	/	/	/	/
3800	3801	0.35	CHP	4	3800.050	-50.71	-13	Pass
3801	3805	0.5	CHP	5	3804.890	-48.66	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3750MHz_Edge_1RB_Left_Ant0



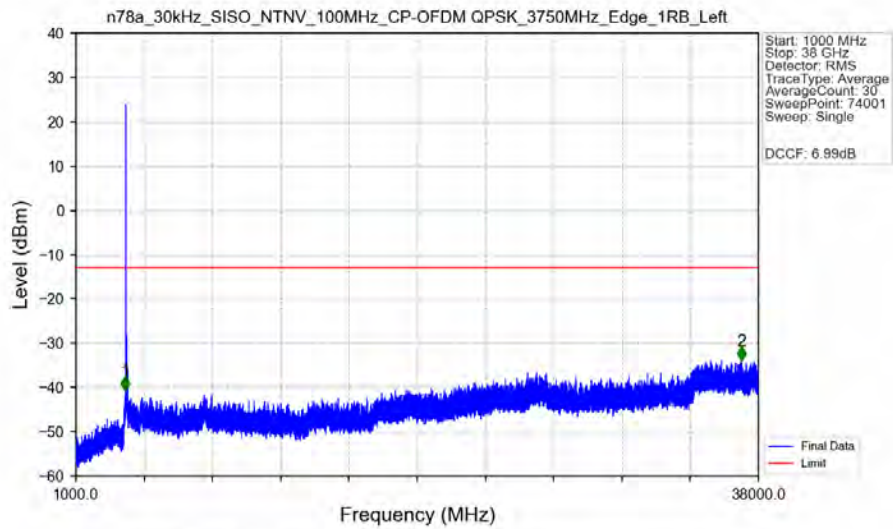
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-54.71	-13	Pass
3695	3699	0.5	CHP	2	3698.735	-37.86	-13	Pass
3699	3700	0.03	/	3	3699.935	-39.05	-13	Pass
3700	3800	0.03	/	/	/	/	/	/
3800	3801	0.03	/	4	3800.140	-56.50	-13	Pass
3801	3805	0.5	CHP	5	3801.580	-47.15	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3750MHz_Edge_1RB_Left_Ant0



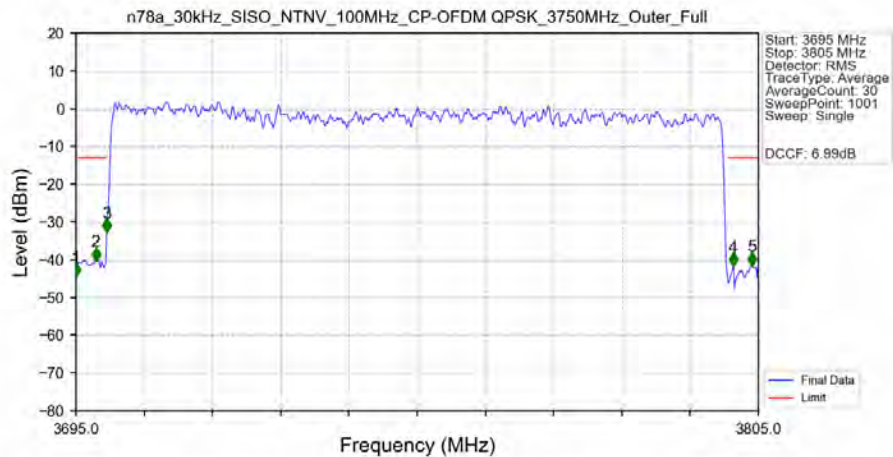
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	860.400	-53.25	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3750MHz_Edge_1RB_Left Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3683.000	-40.64	-13	Pass
3695	3805	1	/	/	/	/	/	/
3805	38000	1	/	2	37068.000	-33.84	-13	Pass

n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3750MHz_Outer_Full Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-44.29	-13	Pass
3695	3699	0.5	CHP	2	3698.190	-40.07	-13	Pass
3699	3700	0.35	CHP	3	3699.950	-32.41	-13	Pass
3700	3800	0.35	CHP	/	/	/	/	/
3800	3801	0.35	CHP	4	3800.930	-41.50	-13	Pass
3801	3805	0.5	CHP	5	3804.010	-41.31	-13	Pass

6. Field Strength of Spurious Radiation

NR N78b(3700-3800MHz)-FCC-Middle channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7410.0	-58.09	-13	-45.09	-64.78	4.94	11.63	Horizontal	Pass
11115.0	-50.58	-13	-37.58	-58.03	5.81	13.26	Horizontal	Pass
14820.0	-55.35	-13	-42.35	-62.91	6.92	14.48	Horizontal	Pass
7410.0	-56.07	-13	-43.07	-62.76	4.94	11.63	Vertical	Pass
11115.0	-49.16	-13	-36.16	-56.61	5.81	13.26	Vertical	Pass
14820.0	-53.93	-13	-40.93	-61.49	6.92	14.48	Vertical	Pass

NSA_5A_n78A 3700-3800-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7410.0	-60.84	-13	-47.84	-67.53	4.94	11.63	Horizontal	Pass
11115.0	-55.96	-13	-42.96	-63.41	5.81	13.26	Horizontal	Pass
14820.0	-54.77	-13	-41.77	-62.33	6.92	14.48	Horizontal	Pass
7410.0	-60.72	-13	-47.72	-67.41	4.94	11.63	Vertical	Pass
11115.0	-55.81	-13	-42.81	-63.26	5.81	13.26	Vertical	Pass
14820.0	-55.12	-13	-42.12	-62.68	6.92	14.48	Vertical	Pass