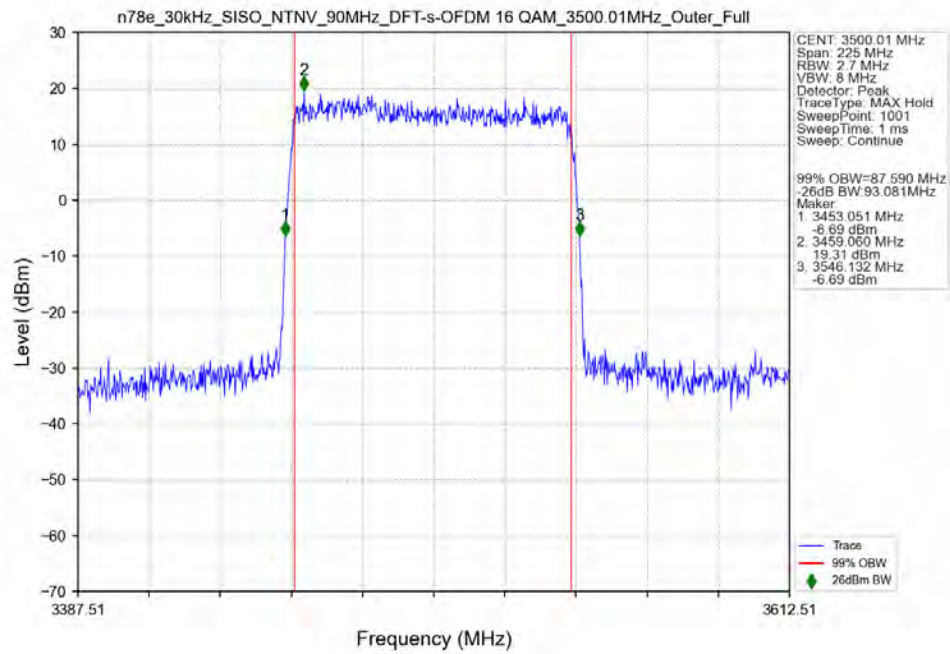
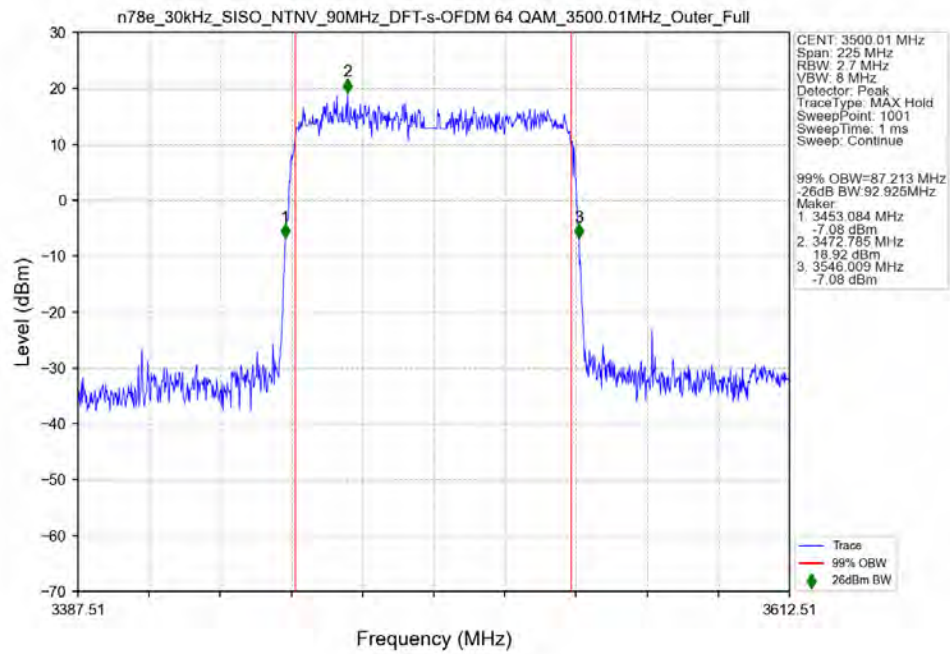


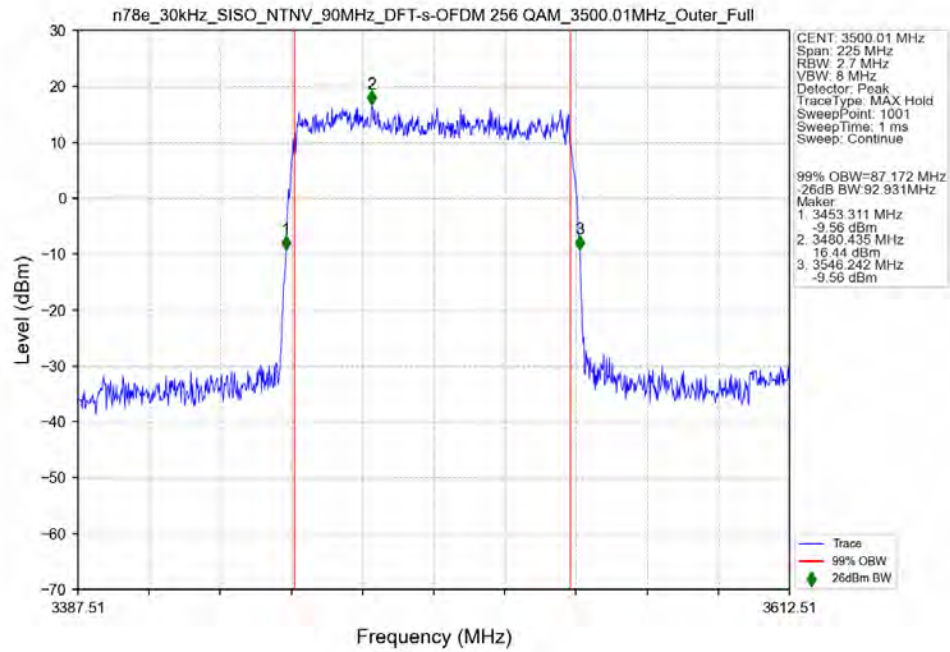
n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant0



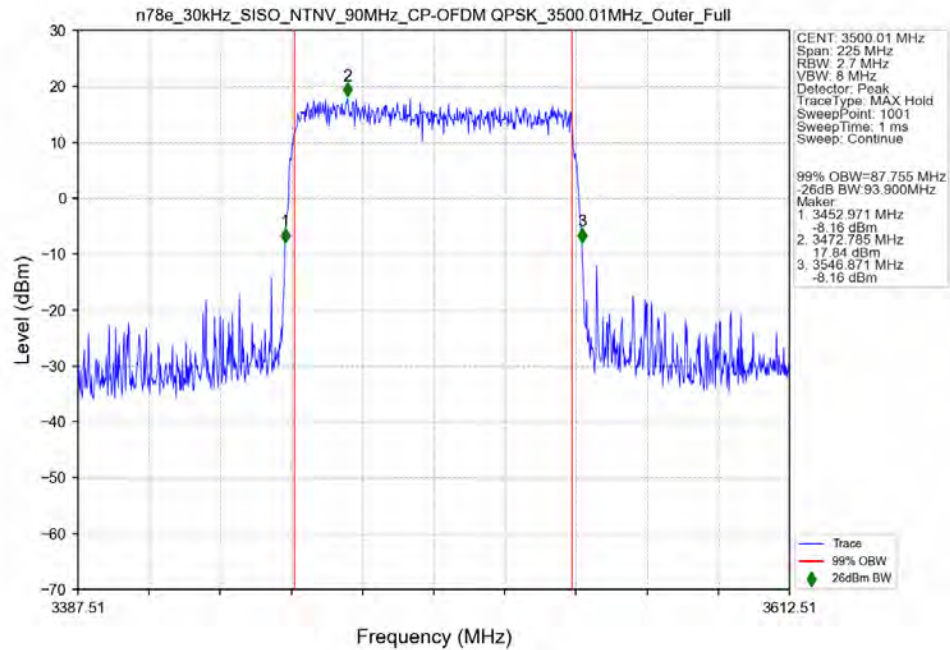
n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant0



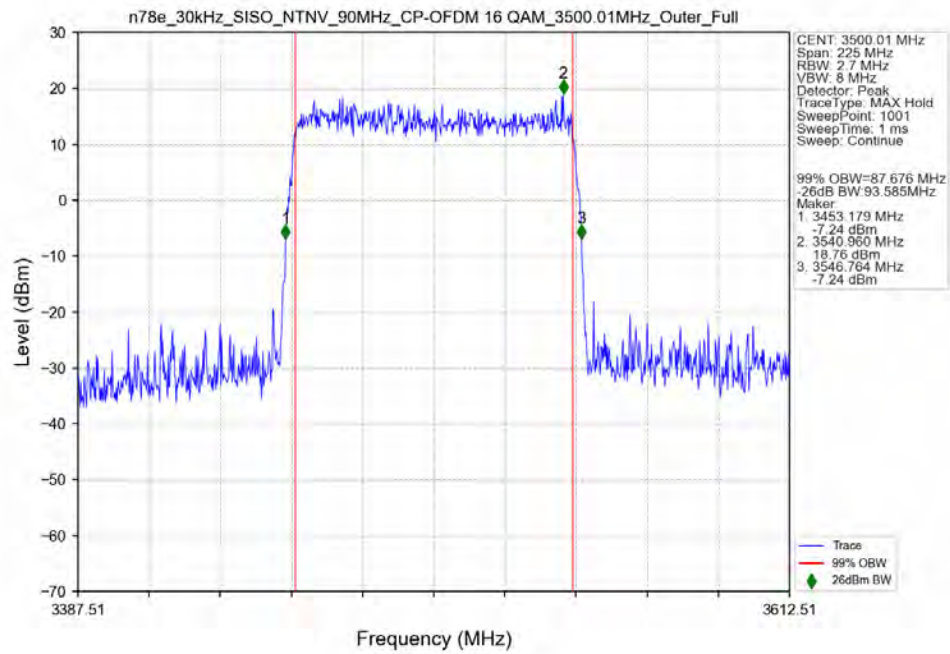
n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant0



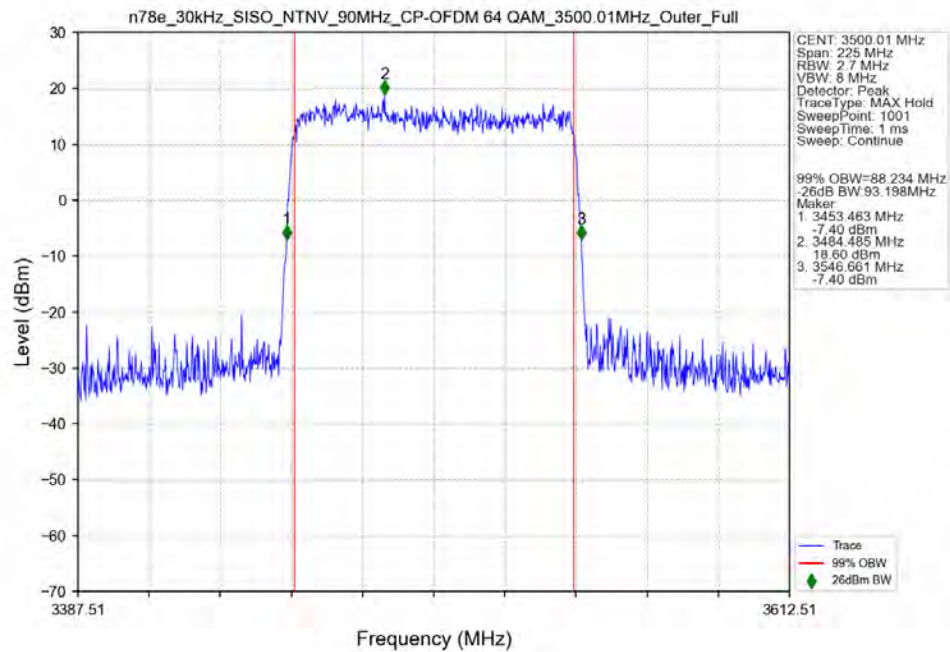
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant0



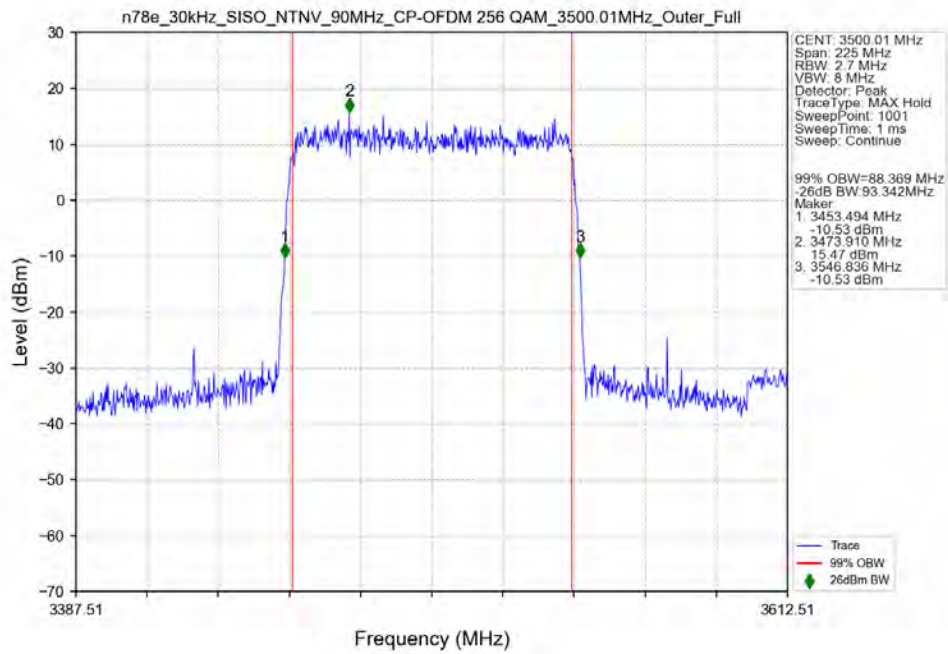
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM 16 QAM 3500.01MHz Outer Full Ant0



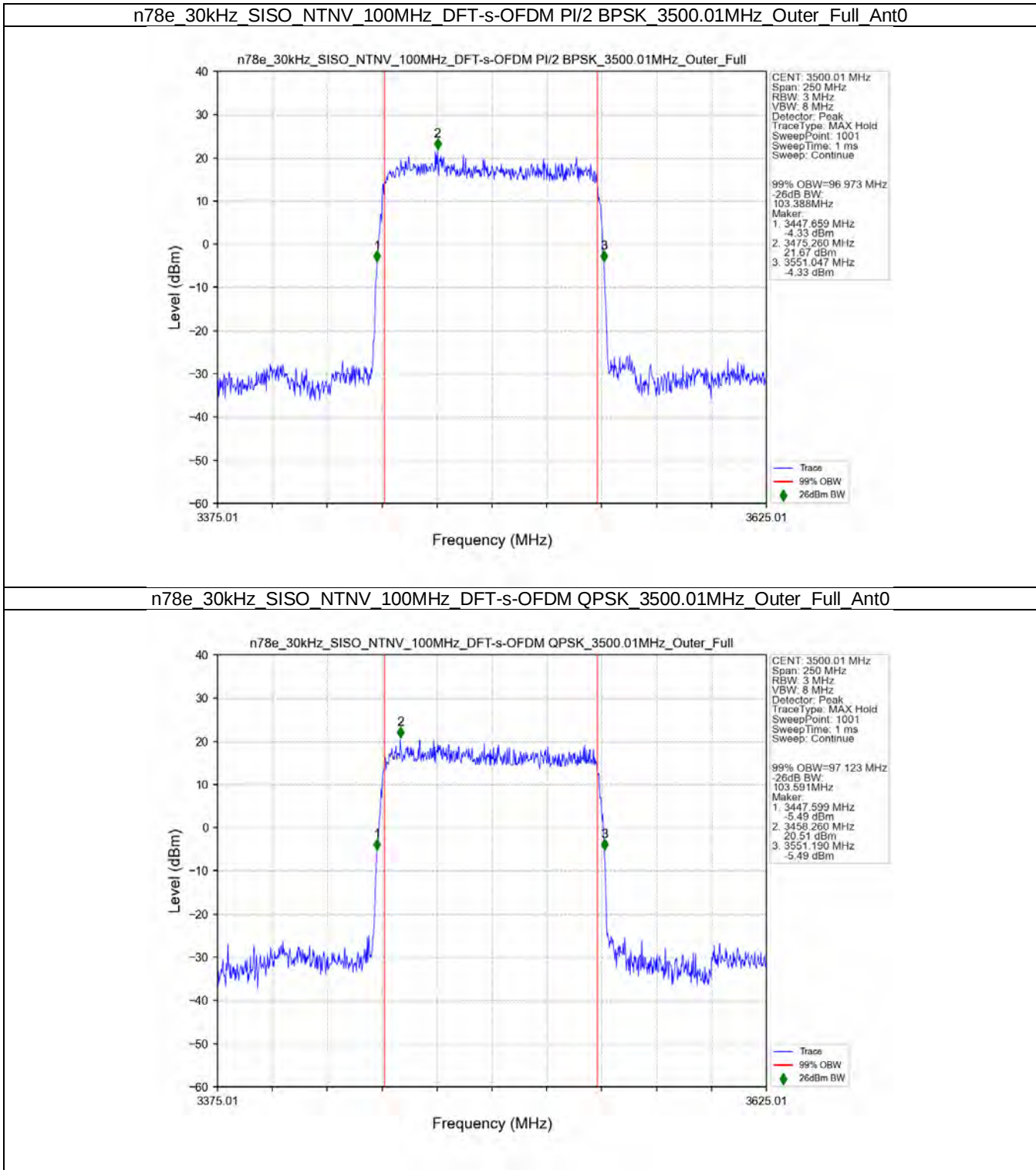
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM 64 QAM 3500.01MHz Outer Full Ant0



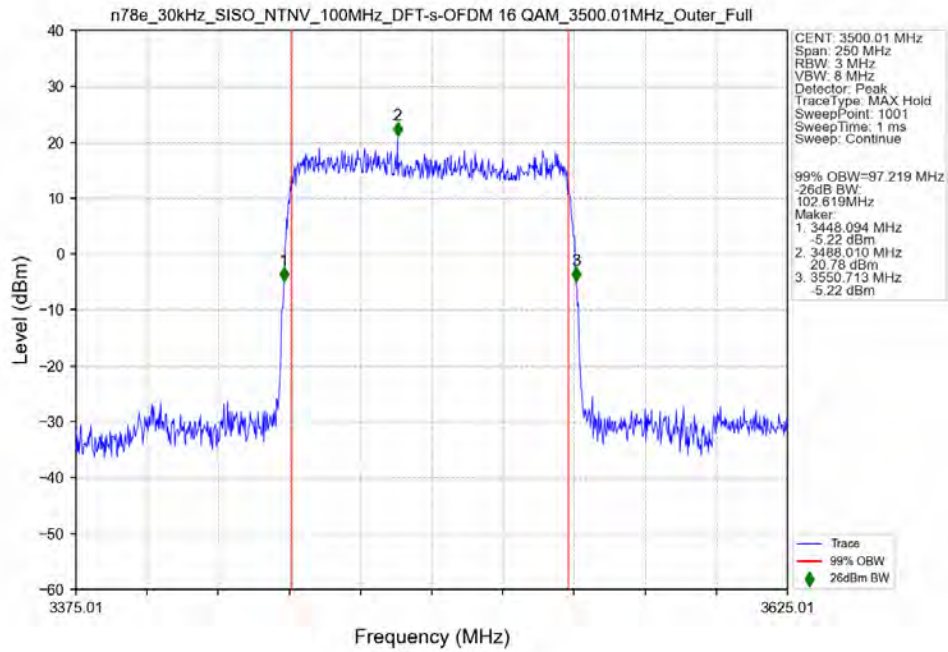
n78e 30kHz SISO NTN 90MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant0



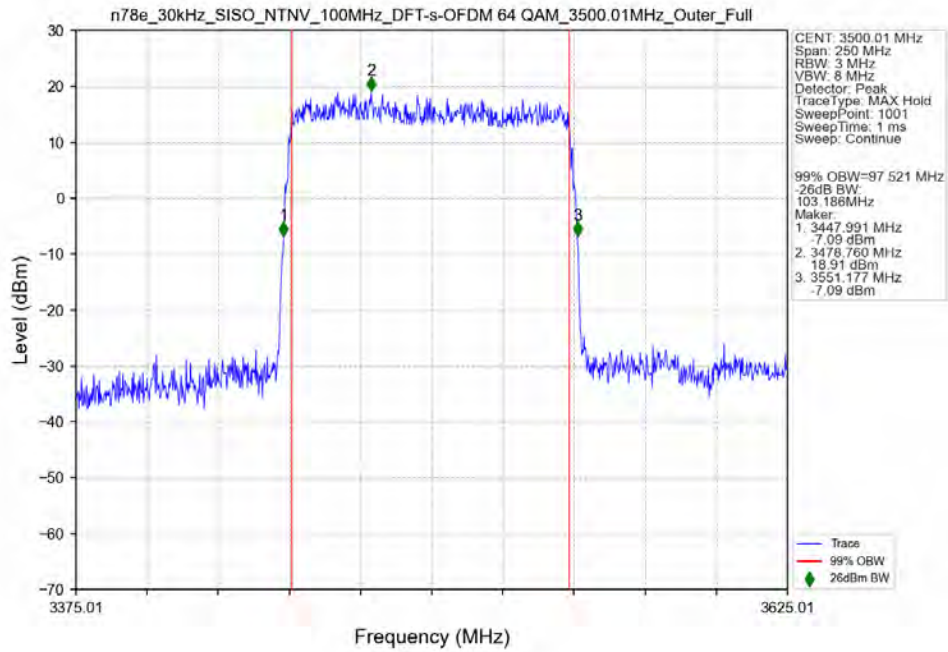
3.2.12 30k_SISO_100MHz_NTNV



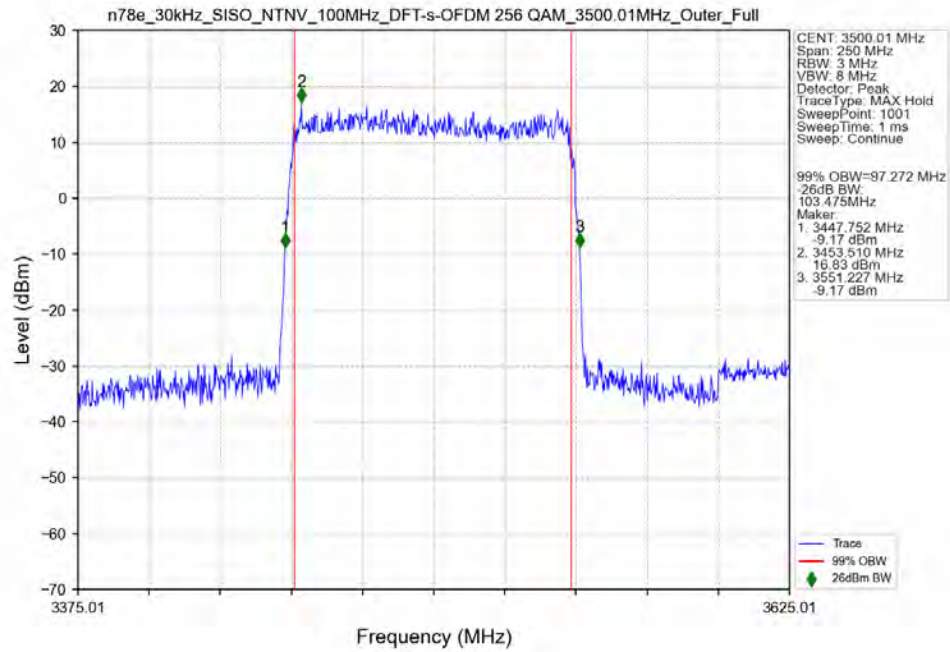
n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 16 QAM_3500.01MHz_Outer_Full_Ant0



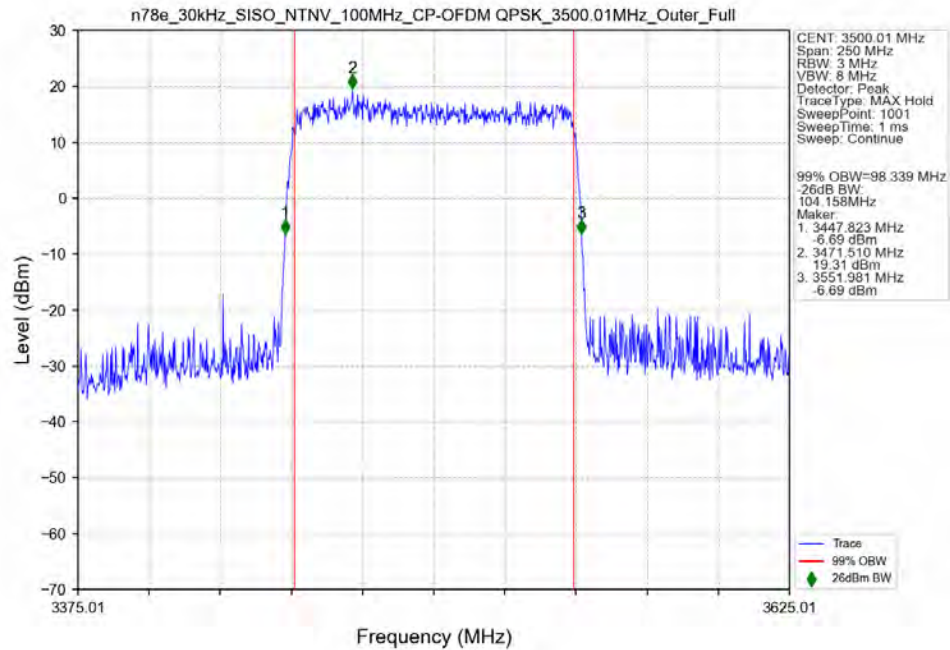
n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM_3500.01MHz_Outer_Full_Ant0



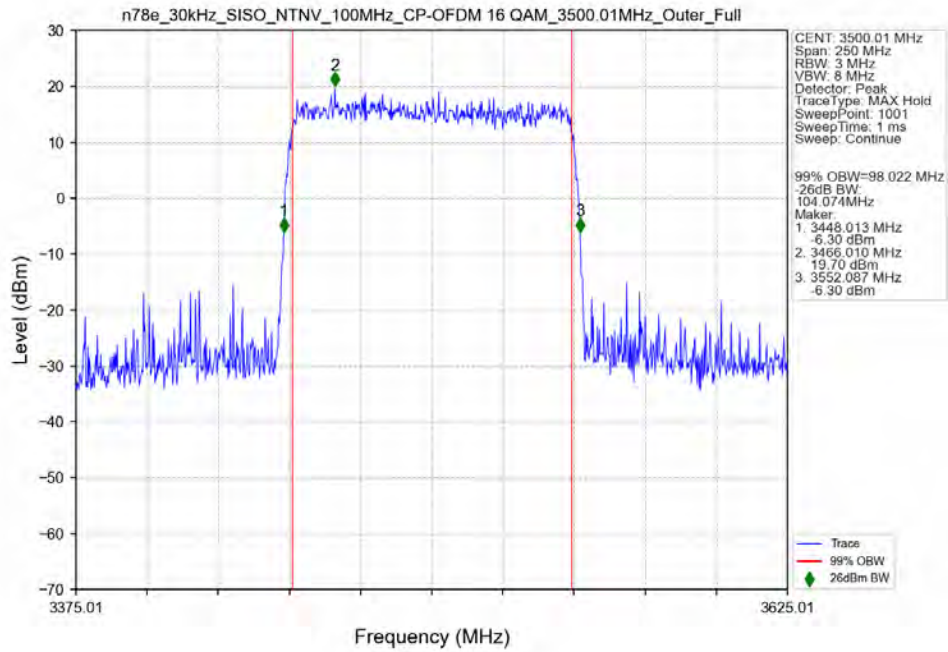
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant0



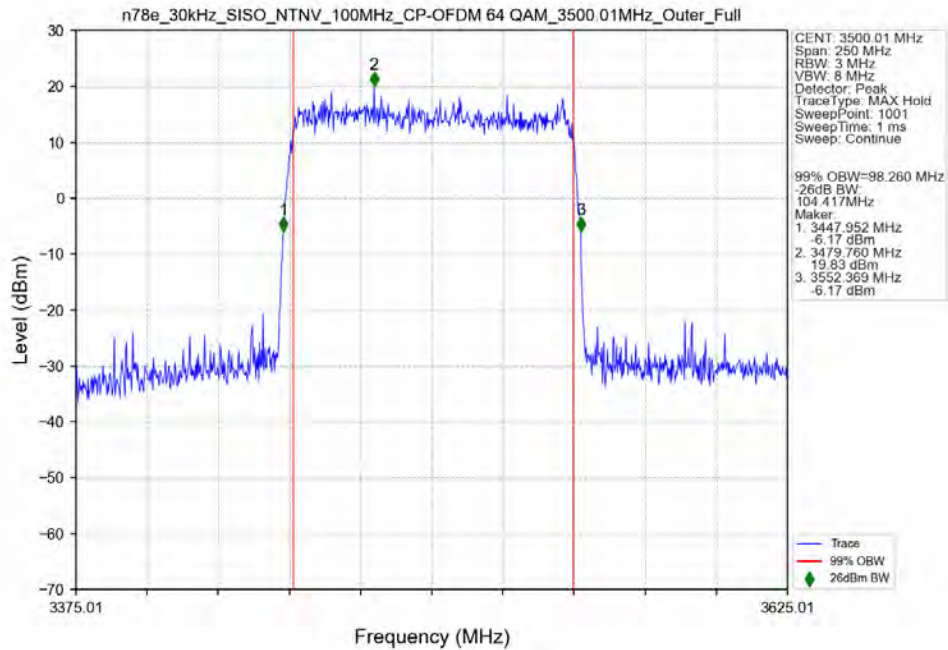
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant0



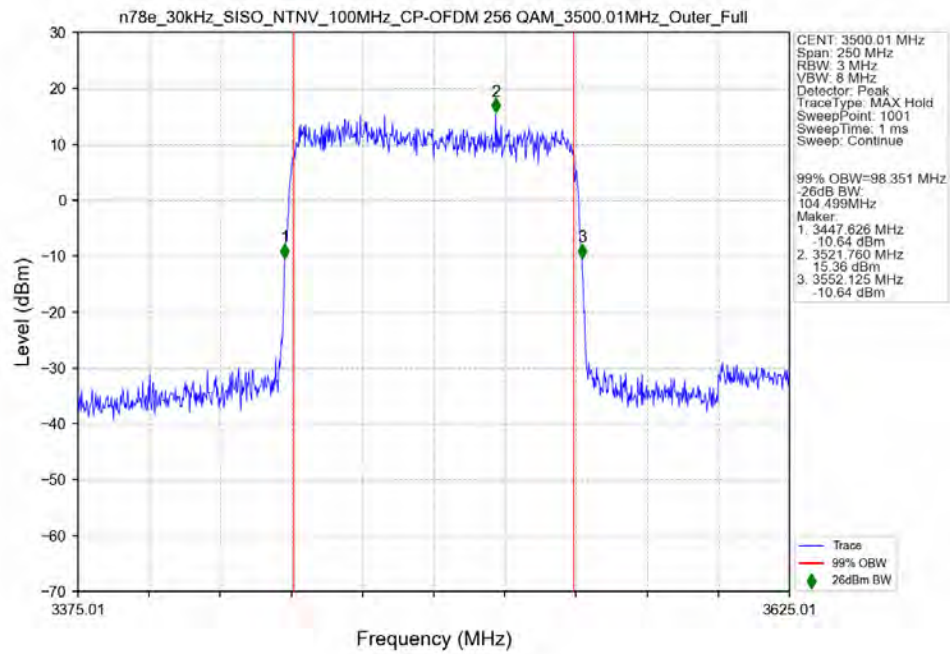
n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM 3500.01MHz_Outer_Full_Ant0



n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM 3500.01MHz_Outer_Full_Ant0



n78e 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant0



4. Peak-Average Ratio

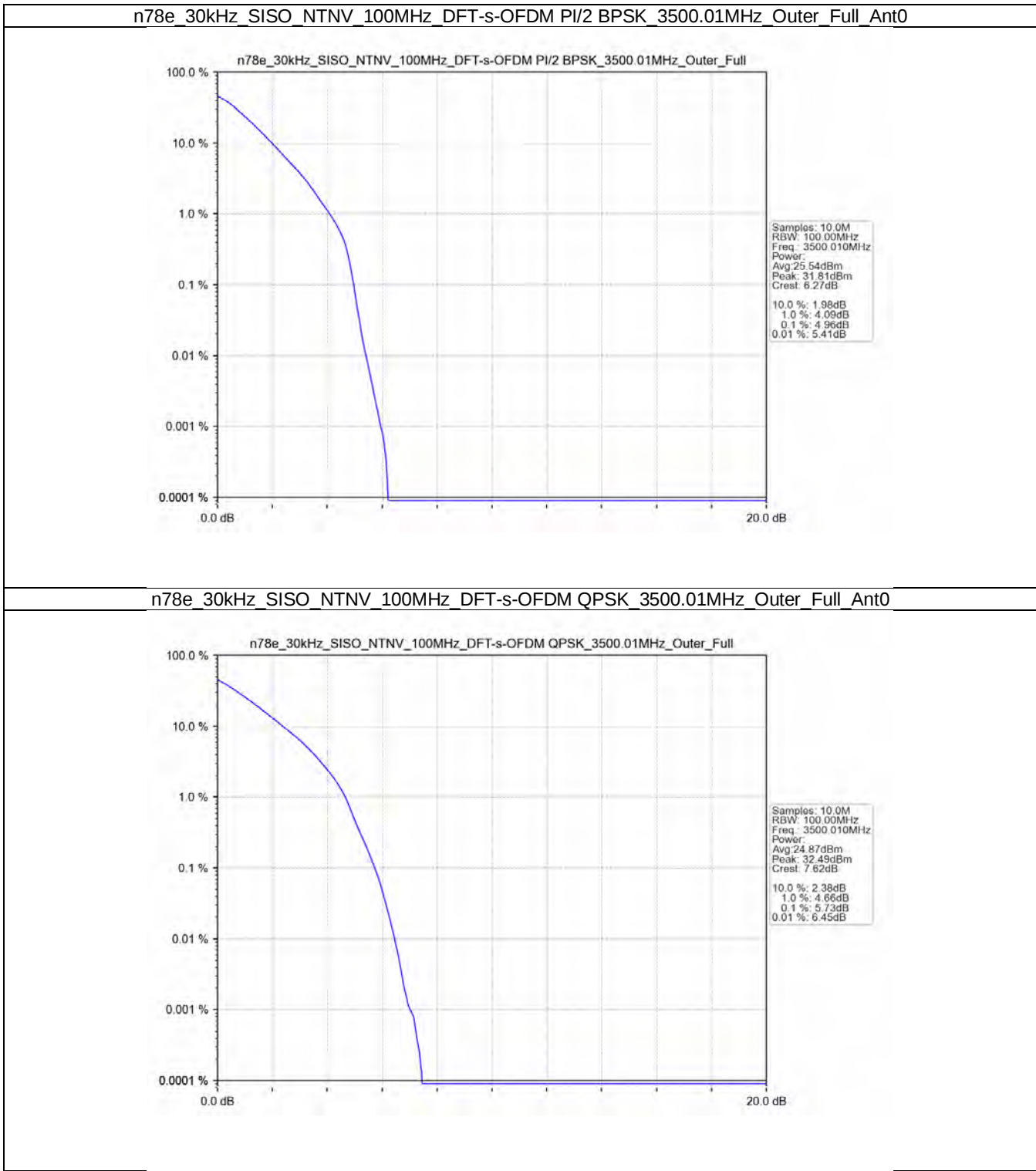
4.1 Test Result

4.1.1 30k_SISO_100MHz_NTNV

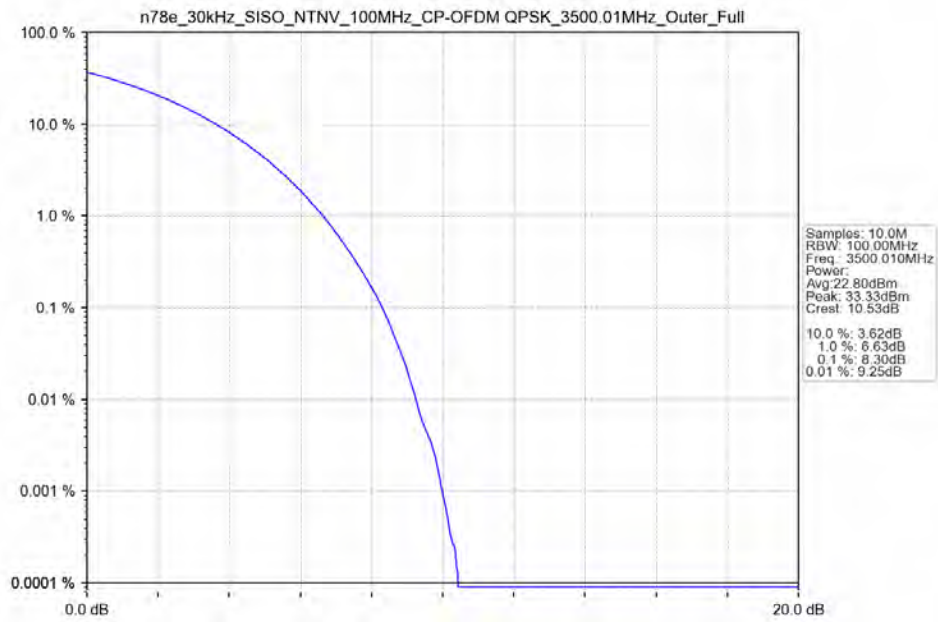
5G NR n78e SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	4.96	/	/	<=13	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	5.73	/	/	<=13	Pass
CP-OFDM QPSK	3500.01	Outer_Full	8.30	/	/	<=13	Pass

4.2 Test Graph

4.2.1 30k_SISO_100MHz_NTNV



n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant0



5. Spurious Emission

5.1 Test Result

5.1.1 30k_SISO_10MHz_NTNV

5G NR n78e SCS=30kHz SISO 10MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3455.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
	3544.98	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3455.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
	3544.98	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3455.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
	3544.98	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.1.2 30k_SISO_50MHz_NTNV

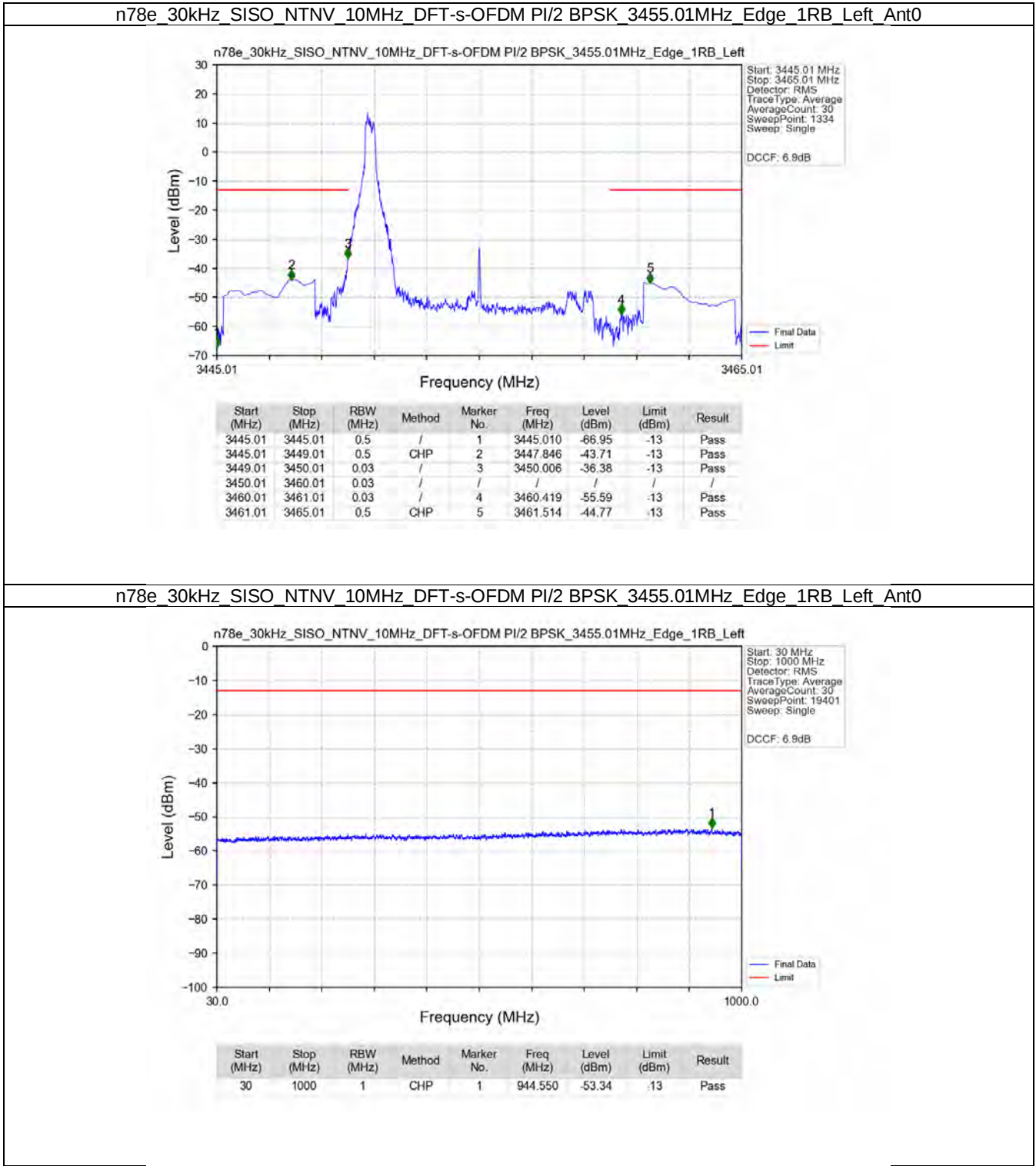
5G NR n78e SCS=30kHz SISO 50MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3475.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
	3525	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3475.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
	3525	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3475.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
	3525	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.1.3 30k_SISO_100MHz_NTNV

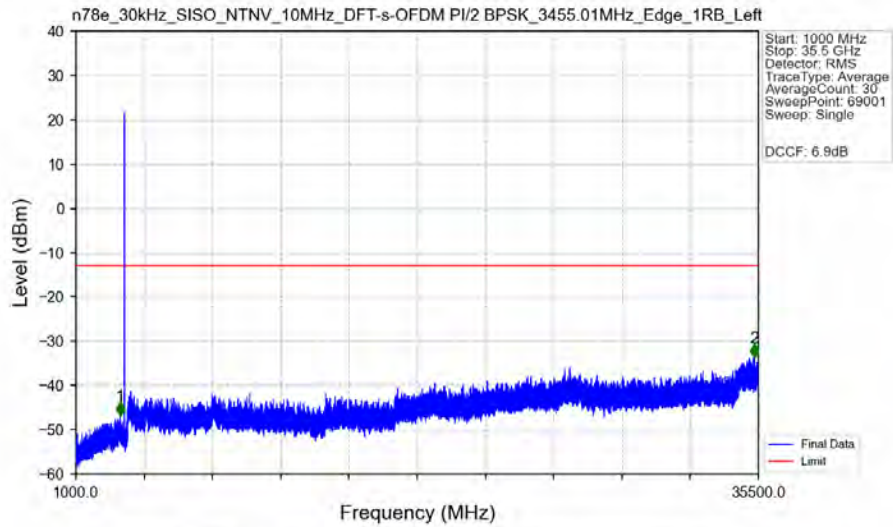
5G NR n78e SCS=30kHz SISO 100MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3500.01	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

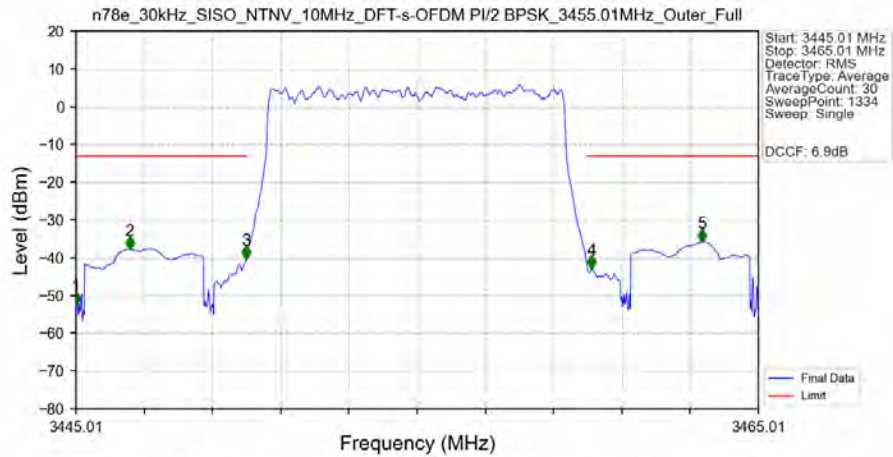


n78e 30kHz SISO NTV 10MHz DFT-s-OFDM PI/2 BPSK 3455.01MHz Edge 1RB Left Ant0



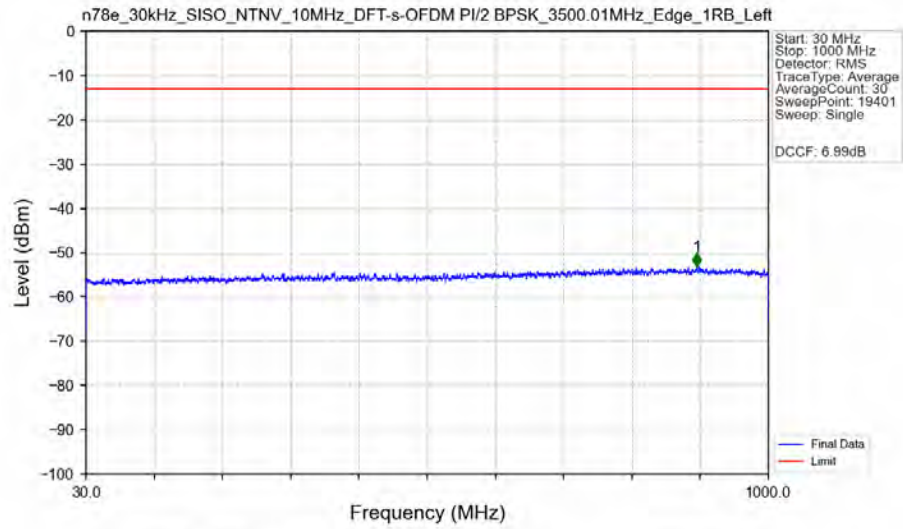
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3235.000	-46.83	-13	Pass
3445.01	3465.01	1	/	/	/	/	/	/
3465.01	35500	1	/	2	35309.000	-33.73	-13	Pass

n78e 30kHz SISO NTV 10MHz DFT-s-OFDM PI/2 BPSK 3455.01MHz Outer_Full Ant0

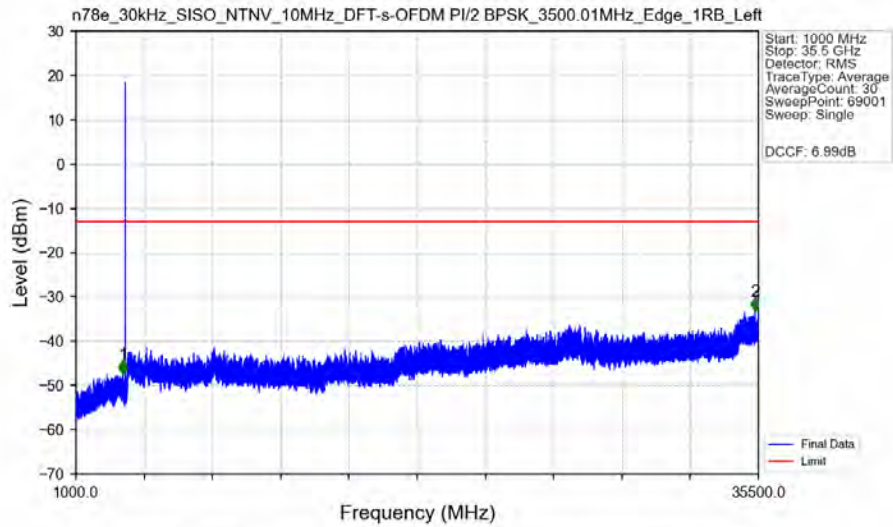


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-52.25	-13	Pass
3445.01	3449.01	0.5	CHP	2	3446.585	-37.53	-13	Pass
3449.01	3450.01	0.0951	CHP	3	3450.006	-40.19	-13	Pass
3450.01	3460.01	0.0951	CHP	/	/	/	/	/
3460.01	3461.01	0.0951	CHP	4	3460.119	-42.75	-13	Pass
3461.01	3465.01	0.5	CHP	5	3463.360	-35.60	-13	Pass

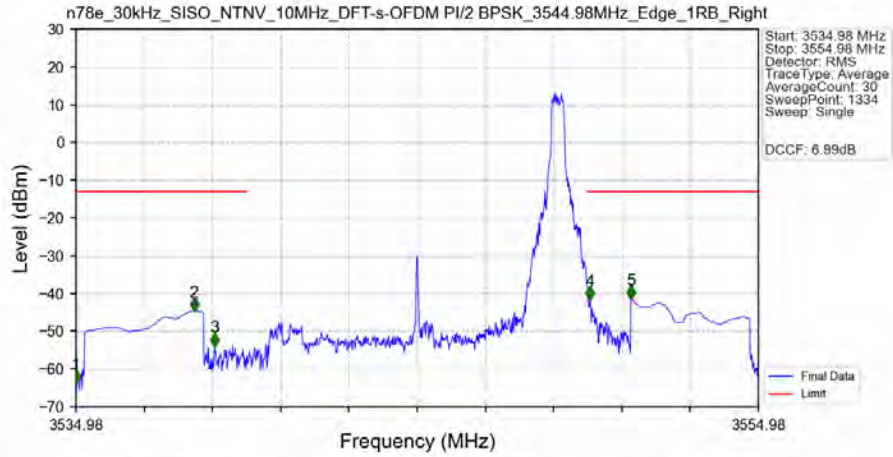
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Edge_1RB_Left_Ant0



n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Edge_1RB_Left_Ant0

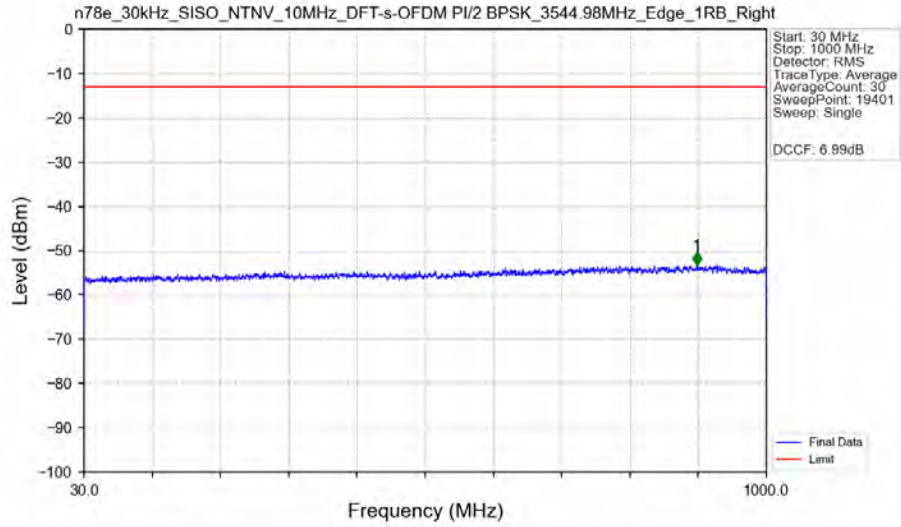


n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3544.98MHz Edge 1RB Right Ant0



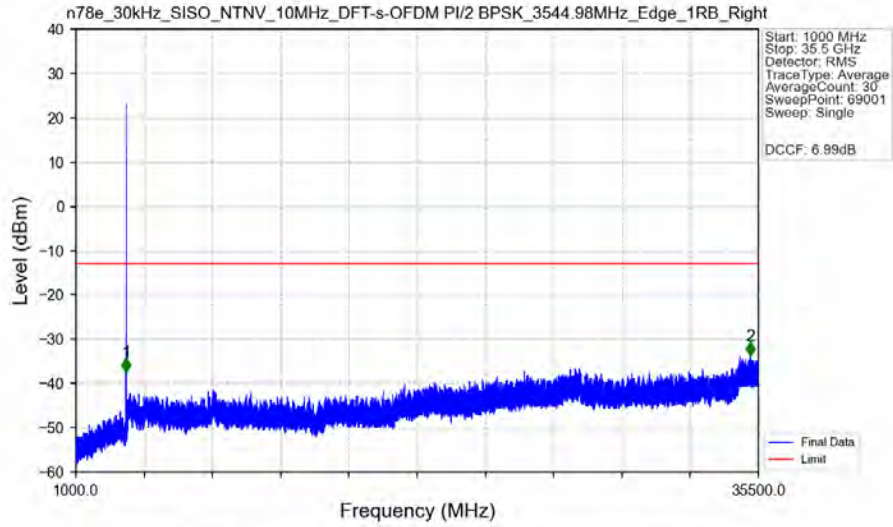
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-63.43	-13	Pass
3534.98	3538.98	0.5	CHP	2	3538.446	-44.43	-13	Pass
3538.98	3539.98	0.03	/	3	3539.046	-53.75	-13	Pass
3539.98	3549.98	0.03	/	/	/	/	/	/
3549.98	3550.98	0.03	/	4	3550.044	-41.52	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.244	-41.29	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3544.98MHz Edge 1RB Right Ant0



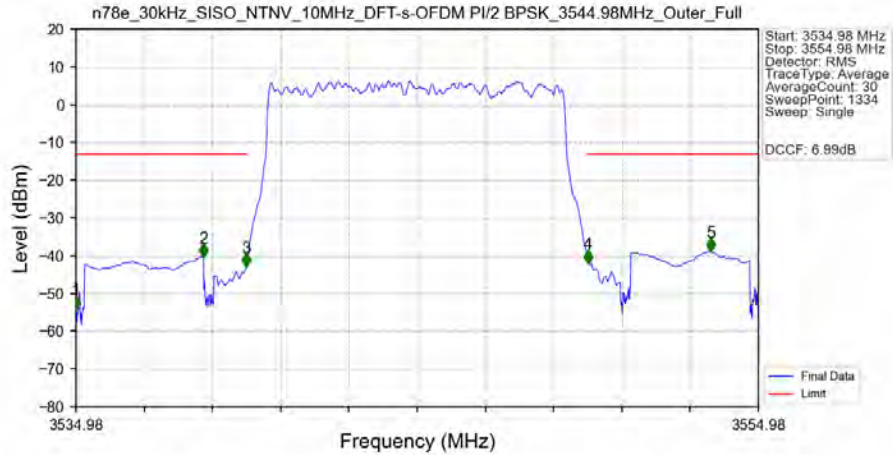
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	901.050	-53.26	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3544.98MHz Edge 1RB Right Ant0



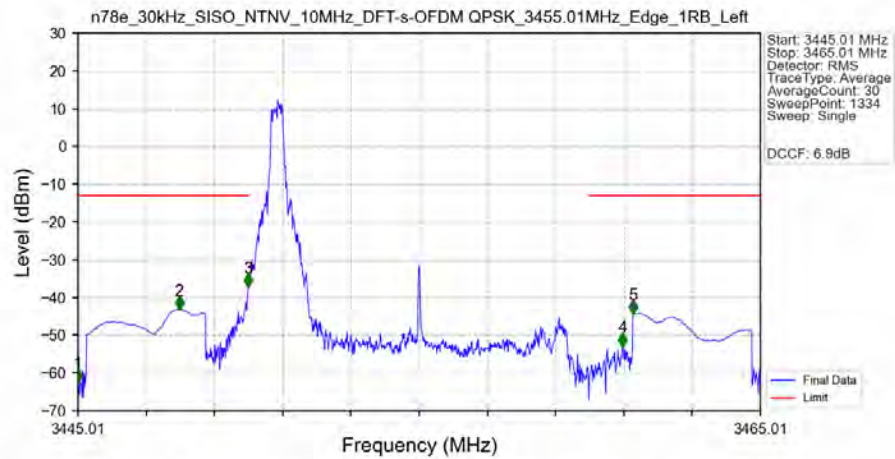
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3534.98	1	/	1	3532.500	-37.38	-13	Pass
3534.98	3554.98	1	/	/	/	/	/	/
3554.98	35500	1	/	2	35099.000	-33.67	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3544.98MHz Outer_Full Ant0



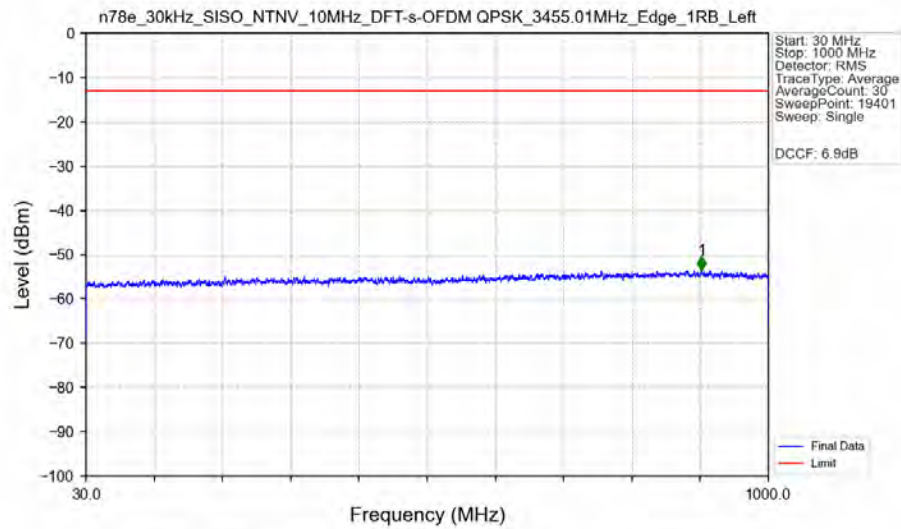
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-53.96	-13	Pass
3534.98	3538.98	0.5	CHP	2	3538.716	-40.18	-13	Pass
3538.98	3539.98	0.09544	CHP	3	3539.976	-42.72	-13	Pass
3539.98	3549.98	0.09544	CHP	/	/	/	/	/
3549.98	3550.98	0.09544	CHP	4	3549.984	-41.73	-13	Pass
3550.98	3554.98	0.5	CHP	5	3553.585	-38.72	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3455.01MHz Edge 1RB Left Ant0



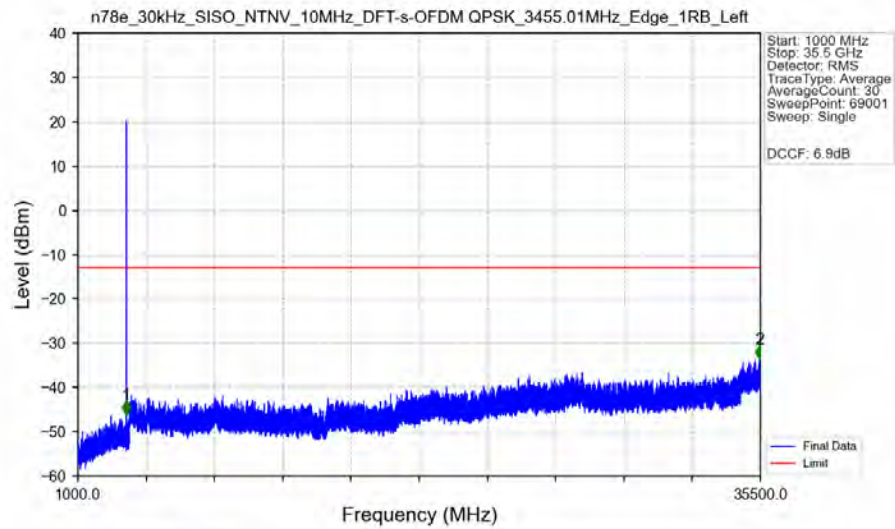
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-62.17	-13	Pass
3445.01	3449.01	0.5	CHP	2	3447.981	-43.04	-13	Pass
3449.01	3450.01	0.03	/	3	3450.006	-37.02	-13	Pass
3450.01	3460.01	0.03	/	/	/	/	/	/
3460.01	3461.01	0.03	/	4	3460.974	-52.67	-13	Pass
3461.01	3465.01	0.5	CHP	5	3461.274	-44.03	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3455.01MHz Edge 1RB Left Ant0



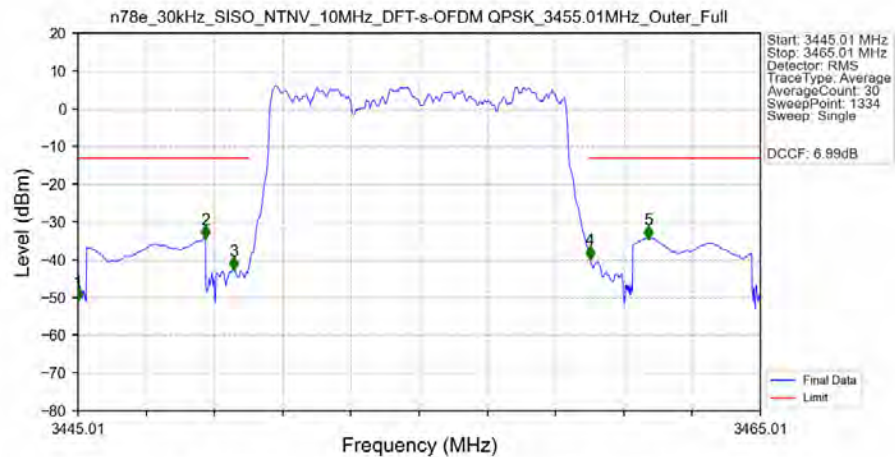
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	905.300	-53.51	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3455.01MHz Edge 1RB Left Ant0



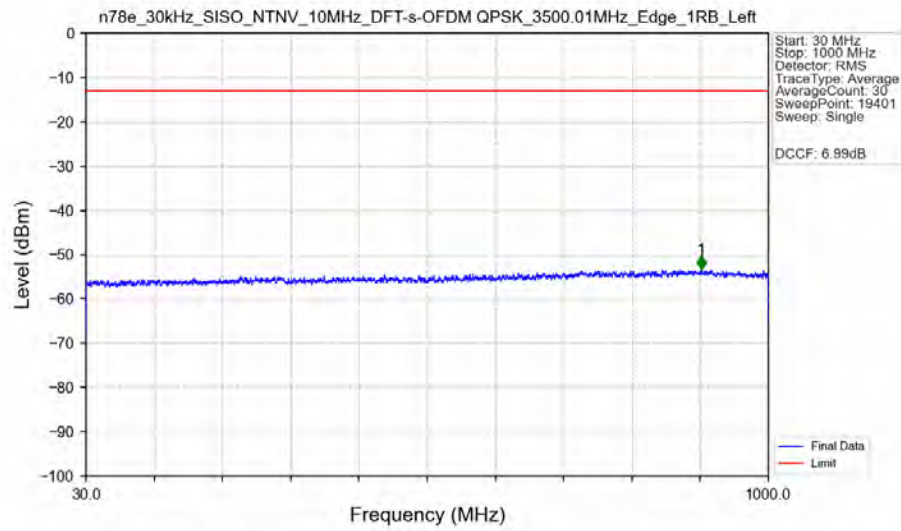
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3445.000	-46.05	-13	Pass
3445.01	3465.01	1	/	/	/	/	/	/
3465.01	35500	1	/	2	35453.500	-33.46	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3455.01MHz Outer_Full Ant0

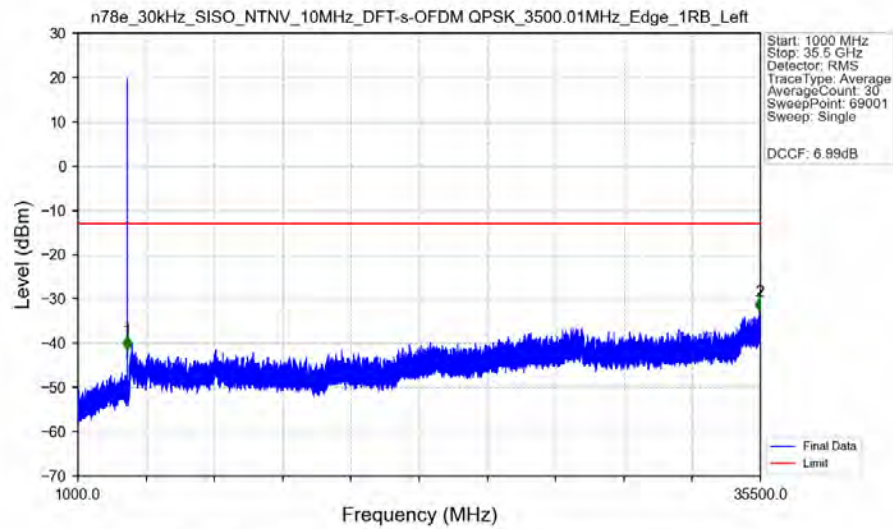


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-50.89	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.746	-34.19	-13	Pass
3449.01	3450.01	0.09637	CHP	3	3449.571	-42.50	-13	Pass
3450.01	3460.01	0.09637	CHP	/	/	/	/	/
3460.01	3461.01	0.09637	CHP	4	3460.014	-39.64	-13	Pass
3461.01	3465.01	0.5	CHP	5	3461.724	-34.27	-13	Pass

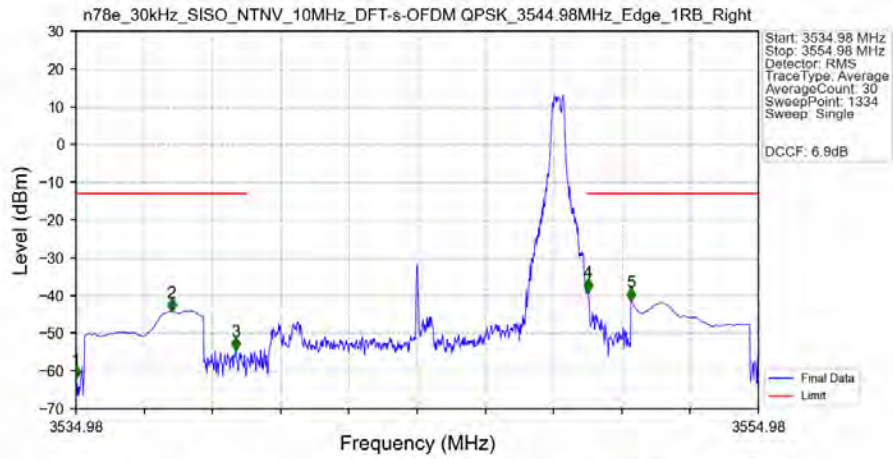
n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0



n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0

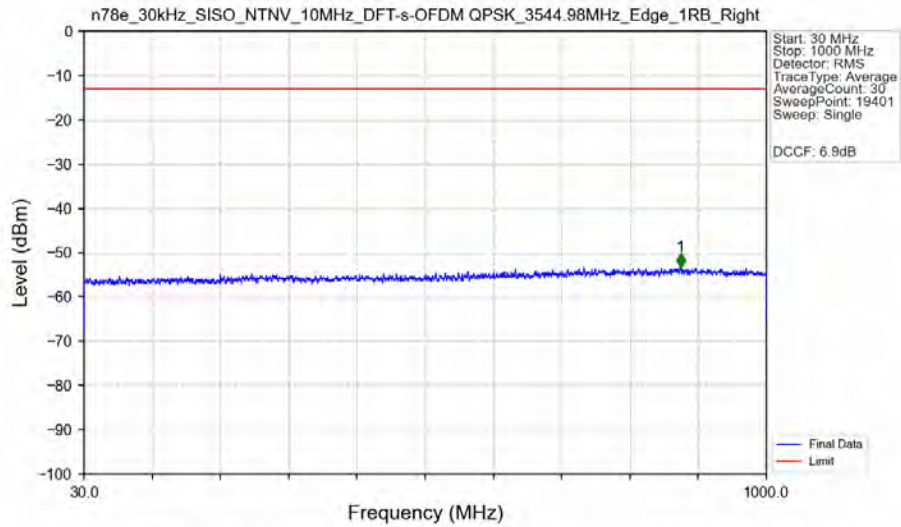


n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3544.98MHz_Edge_1RB_Right_Ant0



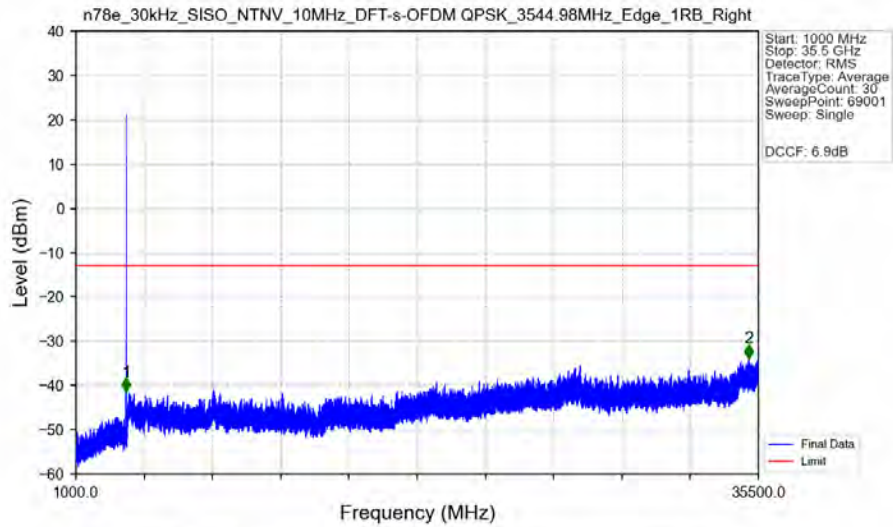
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-61.80	-13	Pass
3534.98	3538.98	0.5	CHP	2	3537.786	-44.11	-13	Pass
3538.98	3539.98	0.03	/	3	3539.661	-54.29	-13	Pass
3539.98	3549.98	0.03	/	/	/	/	/	/
3549.98	3550.98	0.03	/	4	3549.984	-38.79	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.244	-41.34	-13	Pass

n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3544.98MHz_Edge_1RB_Right_Ant0



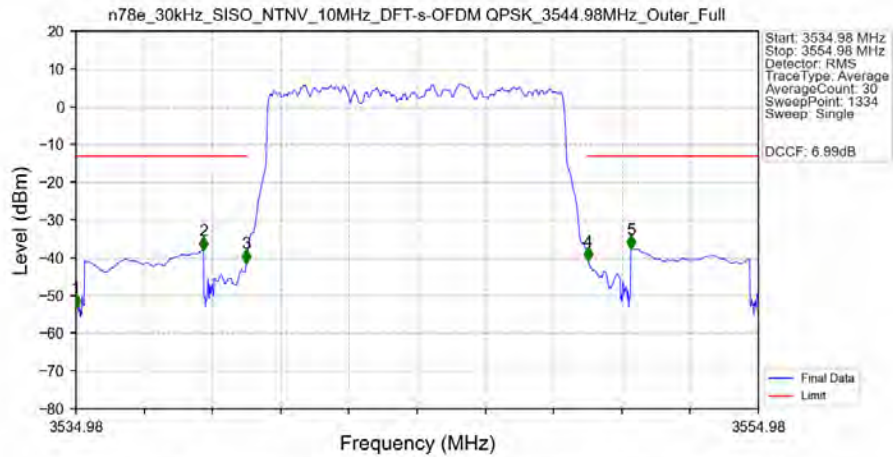
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	878.200	-53.22	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3544.98MHz Edge 1RB Right Ant0



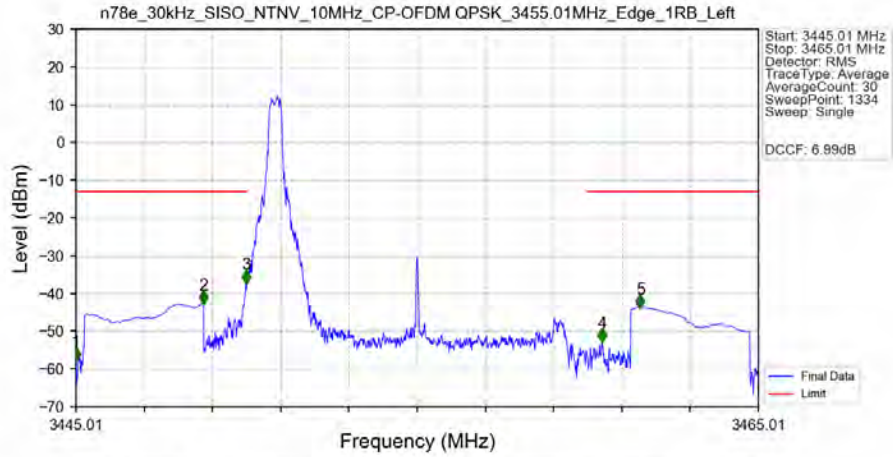
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3534.98	1	/	1	3532.500	-41.30	-13	Pass
3534.98	3554.98	1	/	/	/	/	/	/
3554.98	35500	1	/	2	35028.000	-33.81	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3544.98MHz Outer_Full_Ant0



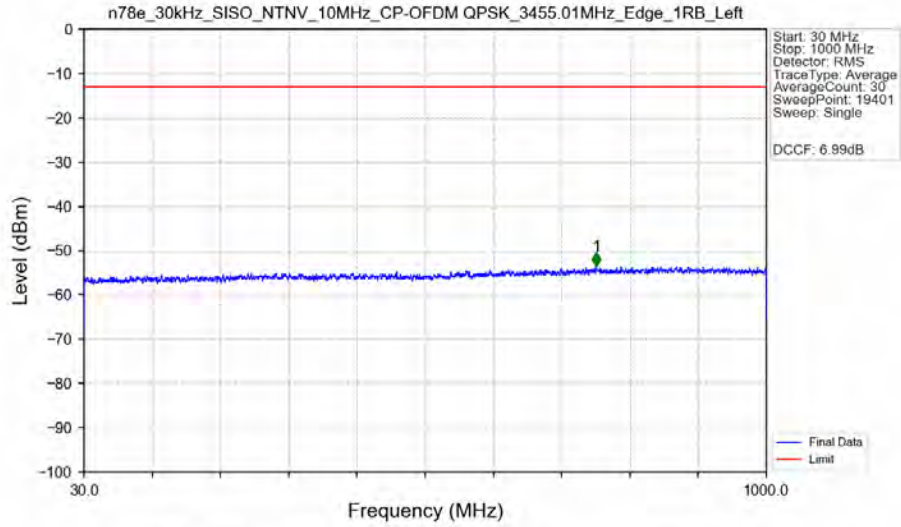
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-52.85	-13	Pass
3534.98	3538.98	0.5	CHP	2	3538.716	-37.73	-13	Pass
3538.98	3539.98	0.09532	CHP	3	3539.976	-41.11	-13	Pass
3539.98	3549.98	0.09532	CHP	/	/	/	/	/
3549.98	3550.98	0.09532	CHP	4	3549.984	-40.54	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.244	-37.41	-13	Pass

n78e 30kHz SISO NTN 10MHz CP-OFDM QPSK 3455.01MHz Edge 1RB Left Ant0



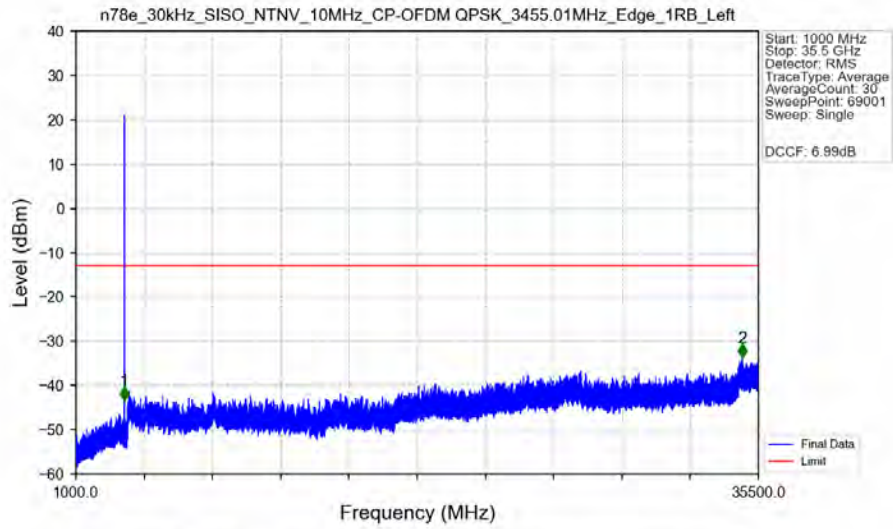
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-57.49	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.746	-42.55	-13	Pass
3449.01	3450.01	0.03	/	3	3449.991	-37.11	-13	Pass
3450.01	3460.01	0.03	/	/	/	/	/	/
3460.01	3461.01	0.03	/	4	3460.434	-52.66	-13	Pass
3461.01	3465.01	0.5	CHP	5	3461.544	-43.61	-13	Pass

n78e 30kHz SISO NTN 10MHz CP-OFDM QPSK 3455.01MHz Edge 1RB Left Ant0



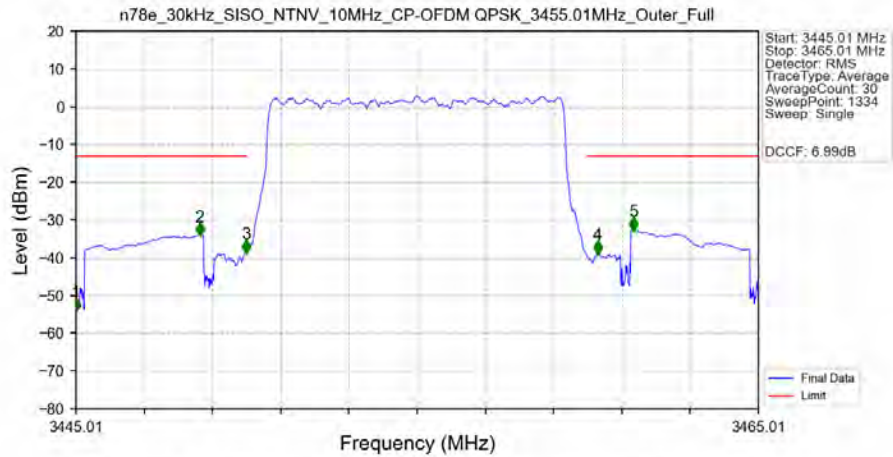
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	758.550	-53.55	-13	Pass

n78e 30kHz SISO NTN 10MHz CP-OFDM QPSK 3455.01MHz Edge 1RB Left Ant0



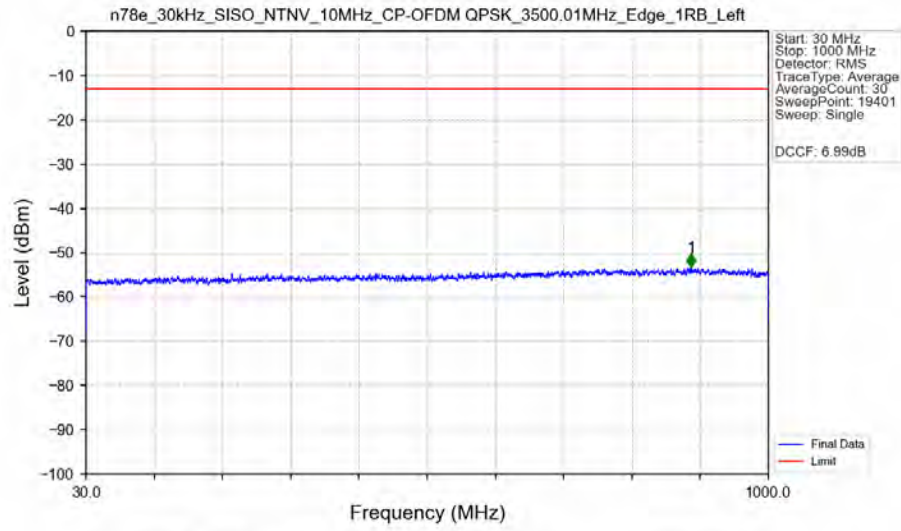
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3444.500	-43.35	-13	Pass
3445.01	3465.01	1	/	/	/	/	/	/
3465.01	35500	1	/	2	34687.500	-33.67	-13	Pass

n78e 30kHz SISO NTN 10MHz CP-OFDM QPSK 3455.01MHz Outer_Full Ant0

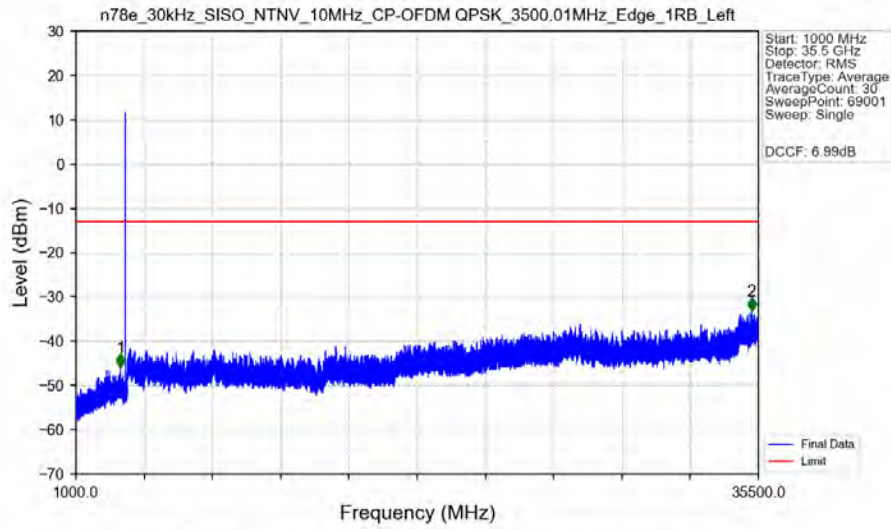


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-53.91	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.641	-34.02	-13	Pass
3449.01	3450.01	0.09637	CHP	3	3450.006	-38.55	-13	Pass
3450.01	3460.01	0.09637	CHP	/	/	/	/	/
3460.01	3461.01	0.09637	CHP	4	3460.299	-38.79	-13	Pass
3461.01	3465.01	0.5	CHP	5	3461.349	-32.59	-13	Pass

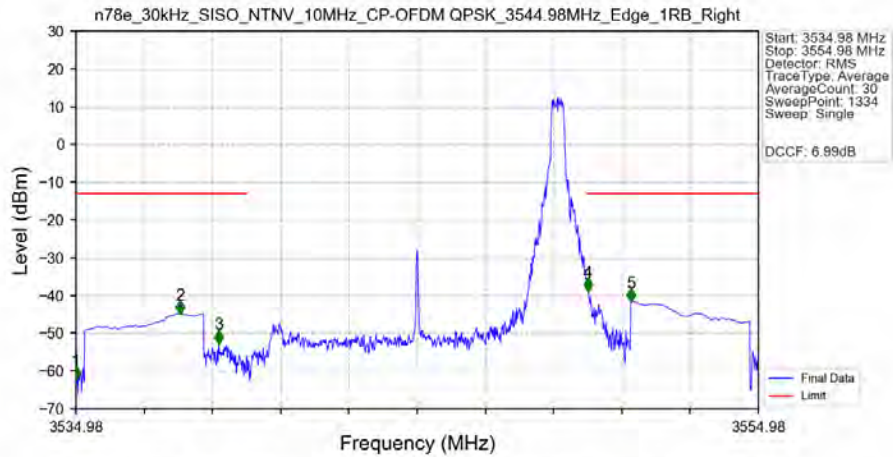
n78e 30kHz SISO NTN 10MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0



n78e 30kHz SISO NTN 10MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0

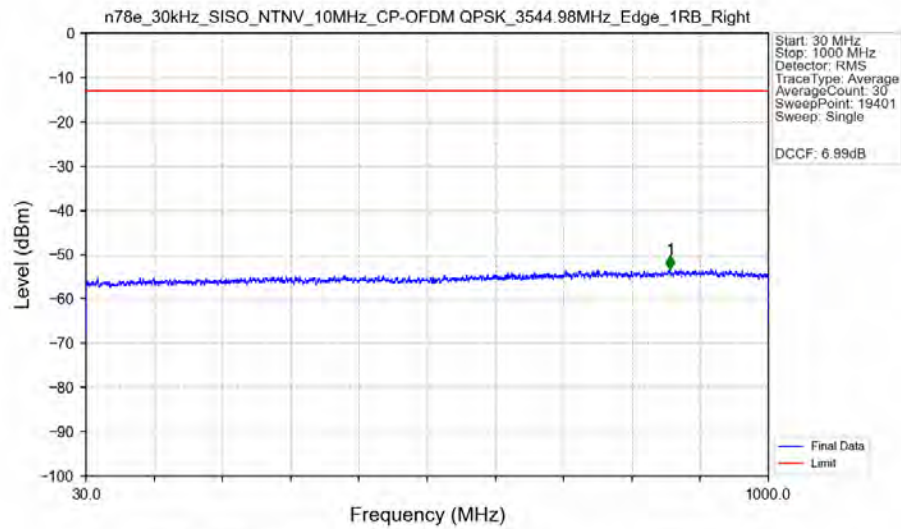


n78e 30kHz SISO NTV 10MHz CP-OFDM QPSK 3544.98MHz Edge 1RB Right Ant0



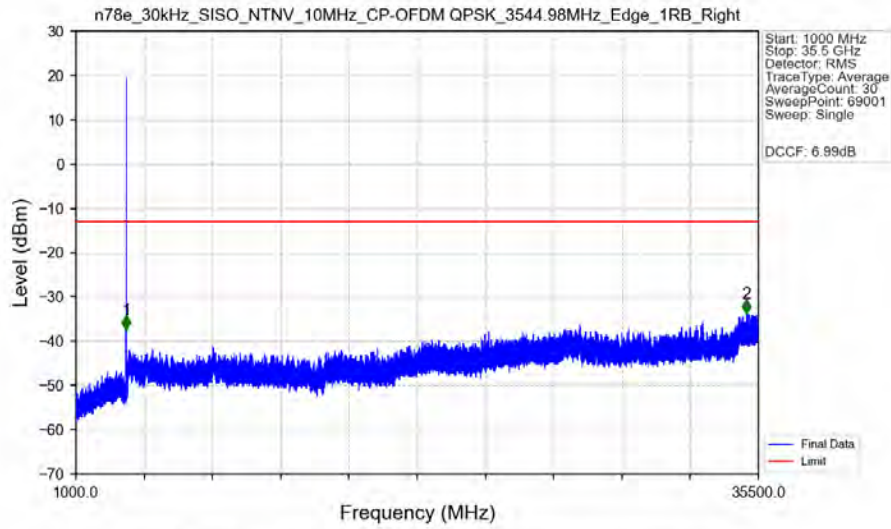
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-62.04	-13	Pass
3534.98	3538.98	0.5	CHP	2	3538.041	-44.71	-13	Pass
3538.98	3539.98	0.03	/	3	3539.166	-52.51	-13	Pass
3539.98	3549.98	0.03	/	/	/	/	/	/
3549.98	3550.98	0.03	/	4	3549.984	-38.65	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.244	-41.45	-13	Pass

n78e 30kHz SISO NTV 10MHz CP-OFDM QPSK 3544.98MHz Edge 1RB Right Ant0



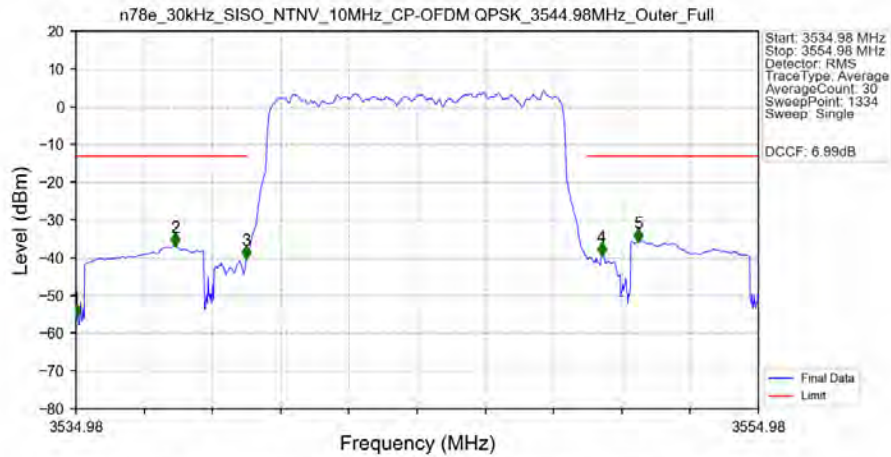
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	860.250	-53.28	-13	Pass

n78e 30kHz SISO NTV 10MHz CP-OFDM QPSK 3544.98MHz Edge 1RB Right Ant0



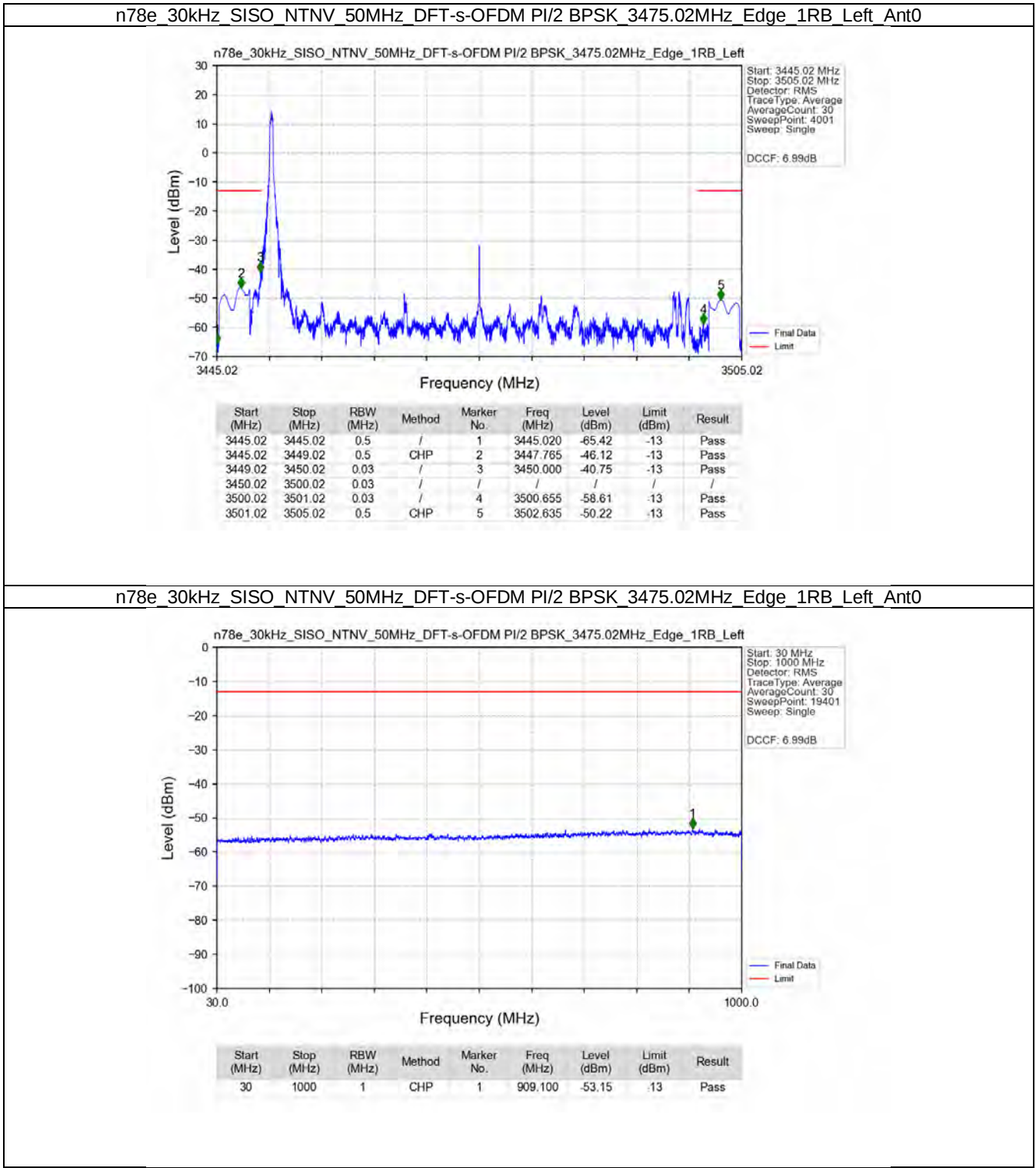
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3534.98	1	/	1	3533.000	-37.38	-13	Pass
3534.98	3554.98	1	/	/	/	/	/	/
3554.98	35500	1	/	2	34900.500	-33.68	-13	Pass

n78e 30kHz SISO NTV 10MHz CP-OFDM QPSK 3544.98MHz Outer_Full_Ant0

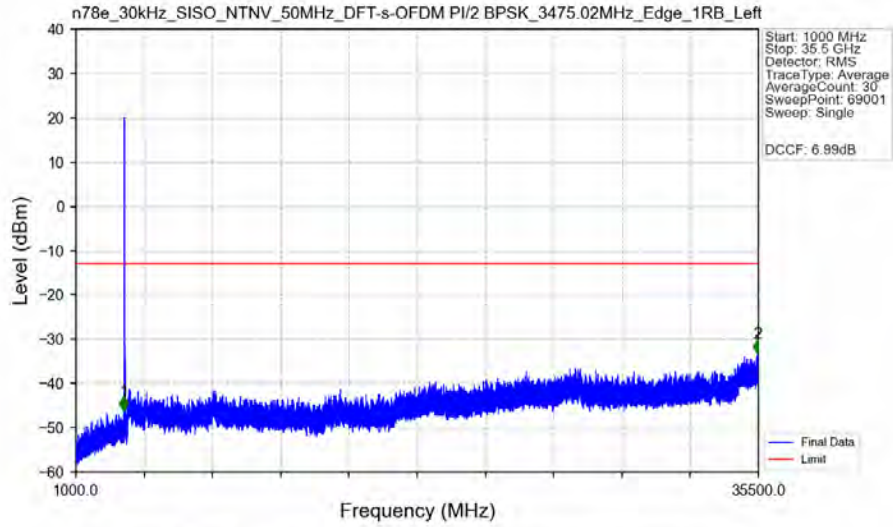


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-55.54	-13	Pass
3534.98	3538.98	0.5	CHP	2	3537.891	-36.77	-13	Pass
3538.98	3539.98	0.09605	CHP	3	3539.976	-40.14	-13	Pass
3539.98	3549.98	0.09605	CHP	/	/	/	/	/
3549.98	3550.98	0.09605	CHP	4	3550.389	-39.30	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.454	-35.63	-13	Pass

5.2.2 30k_SISO_50MHz_NTNV

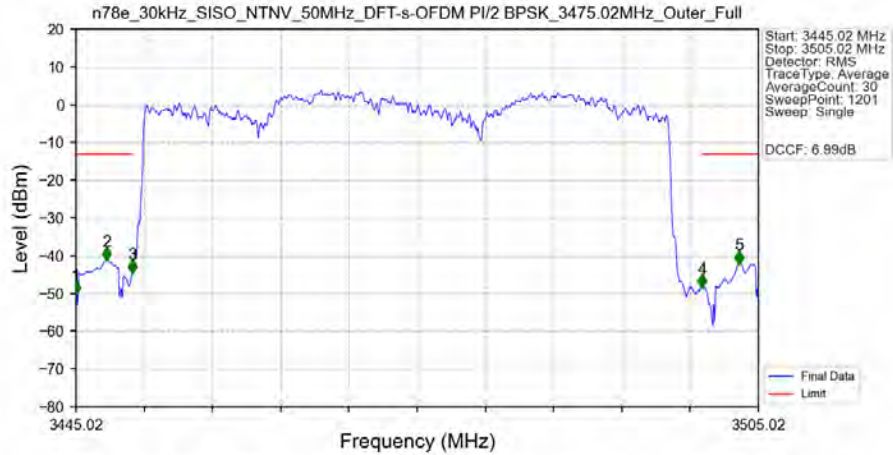


n78e 30kHz SISO NTV 50MHz DFT-s-OFDM PI/2 BPSK 3475.02MHz Edge 1RB Left Ant0



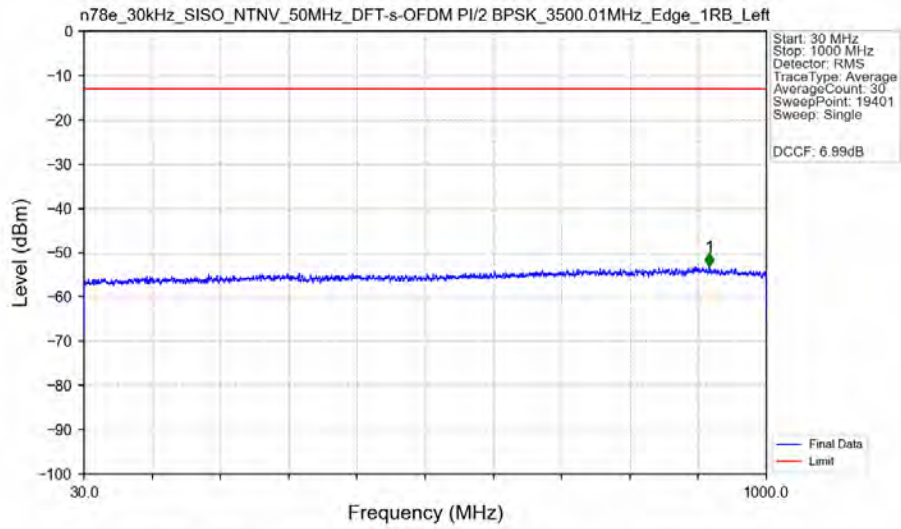
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3425.500	-46.14	-13	Pass
3445.02	3505.02	1	/	/	/	/	/	/
3505.02	35500	1	/	2	35464.500	-33.24	-13	Pass

n78e 30kHz SISO NTV 50MHz DFT-s-OFDM PI/2 BPSK 3475.02MHz Outer_Full Ant0

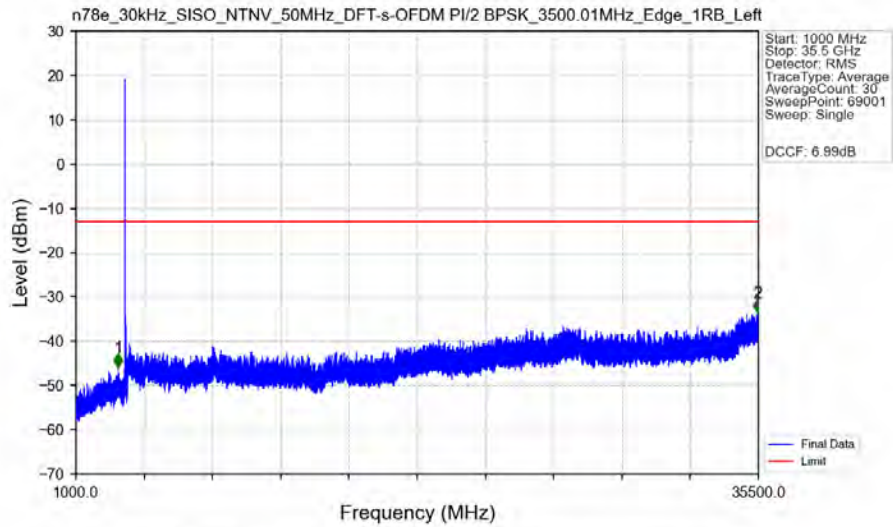


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-50.01	-13	Pass
3445.02	3449.02	0.5	CHP	2	3447.720	-40.98	-13	Pass
3449.02	3450.02	0.2	CHP	3	3449.970	-44.40	-13	Pass
3450.02	3500.02	0.2	CHP	/	/	/	/	/
3500.02	3501.02	0.2	CHP	4	3500.070	-48.23	-13	Pass
3501.02	3505.02	0.5	CHP	5	3503.320	-41.98	-13	Pass

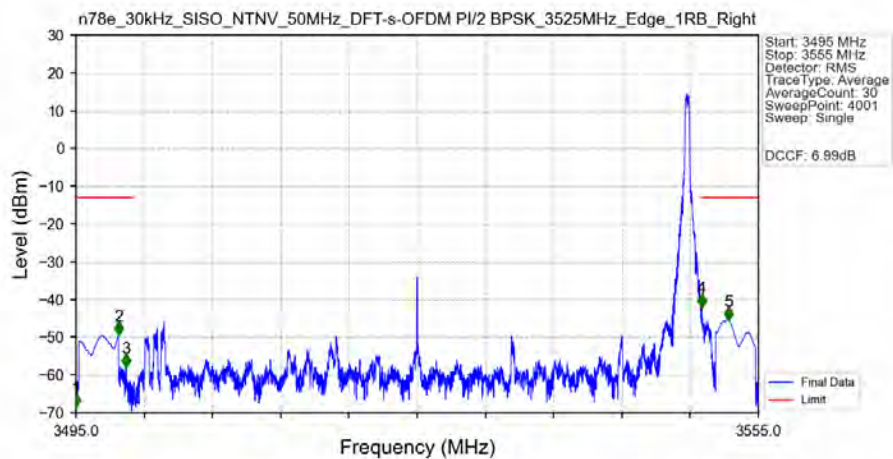
n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Edge_1RB_Left_Ant0



n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Edge_1RB_Left_Ant0

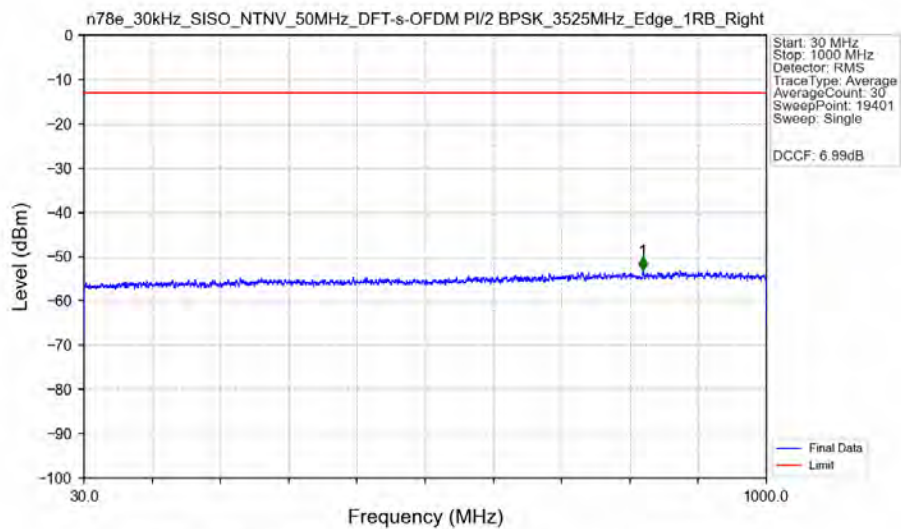


n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3525MHz Edge 1RB Right Ant0



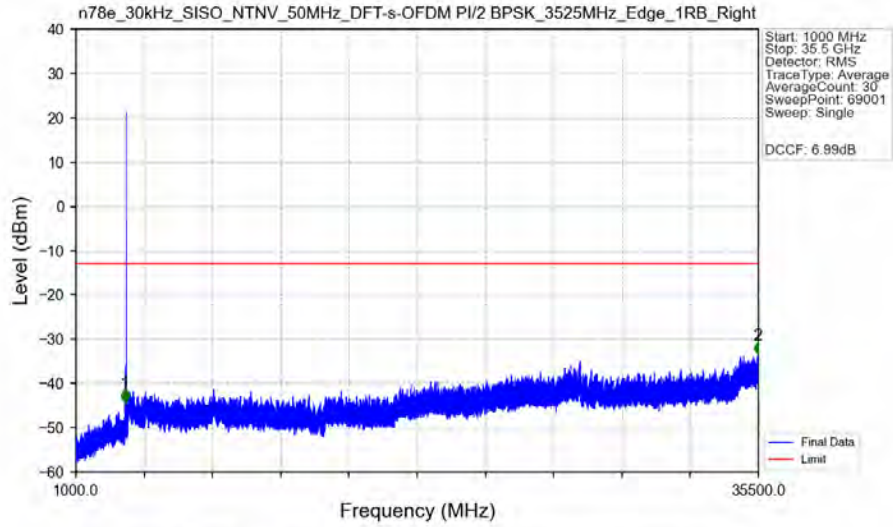
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3495	3495	0.5	/	1	3495.000	-68.16	-13	Pass
3495	3499	0.5	CHP	2	3498.750	-49.22	-13	Pass
3499	3500	0.03	/	3	3499.395	-57.65	-13	Pass
3500	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.020	-41.79	-13	Pass
3551	3555	0.5	CHP	5	3552.345	-45.34	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3525MHz Edge 1RB Right Ant0



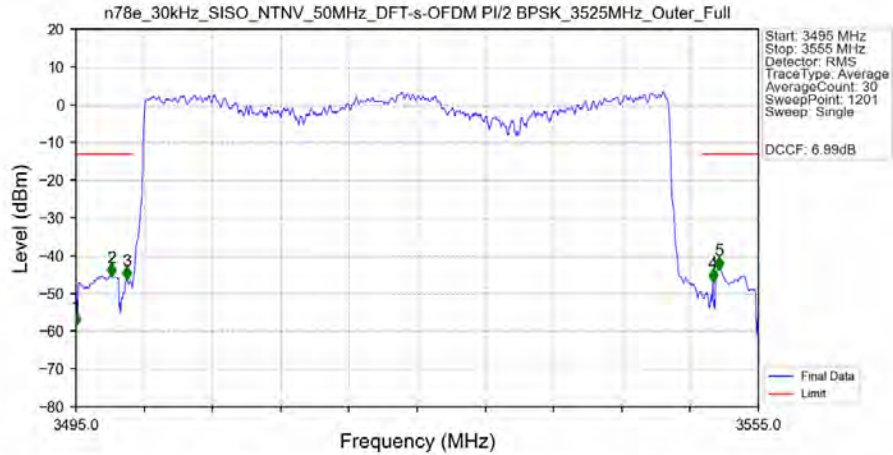
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	824.450	-53.09	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3525MHz Edge 1RB Right Ant0



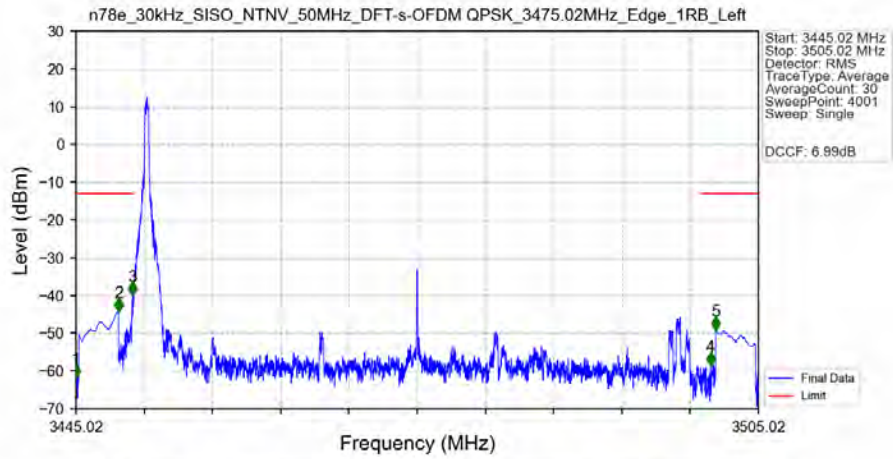
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3495	1	/	1	3487.500	-44.25	-13	Pass
3495	3555	1	/	/	/	/	/	/
3555	35500	1	/	2	35485.500	-33.47	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3525MHz Outer_Full Ant0



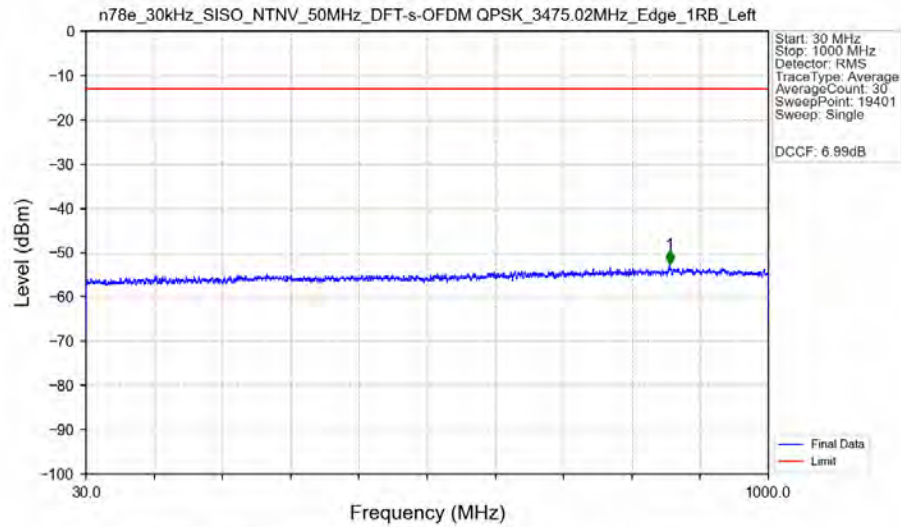
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3495	3495	0.5	/	1	3495.000	-58.38	-13	Pass
3495	3499	0.5	CHP	2	3498.150	-45.26	-13	Pass
3499	3500	0.2	CHP	3	3499.500	-46.10	-13	Pass
3500	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3551.000	-46.85	-13	Pass
3551	3555	0.5	CHP	5	3551.500	-43.49	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3475.02MHz Edge 1RB Left Ant0



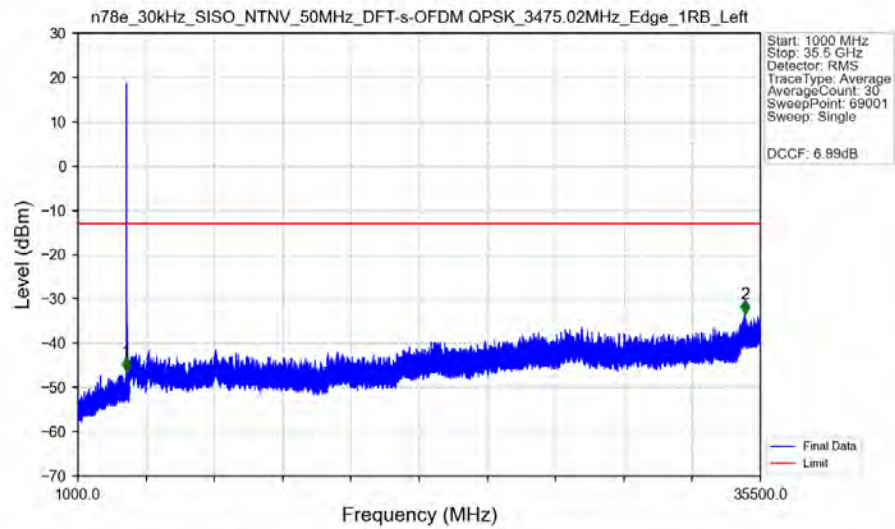
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-61.61	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.770	-44.03	-13	Pass
3449.02	3450.02	0.03	/	3	3450.015	-39.81	-13	Pass
3450.02	3500.02	0.03	/	/	/	/	/	/
3500.02	3501.02	0.03	/	4	3500.805	-58.39	-13	Pass
3501.02	3505.02	0.5	CHP	5	3501.270	-48.90	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3475.02MHz Edge 1RB Left Ant0



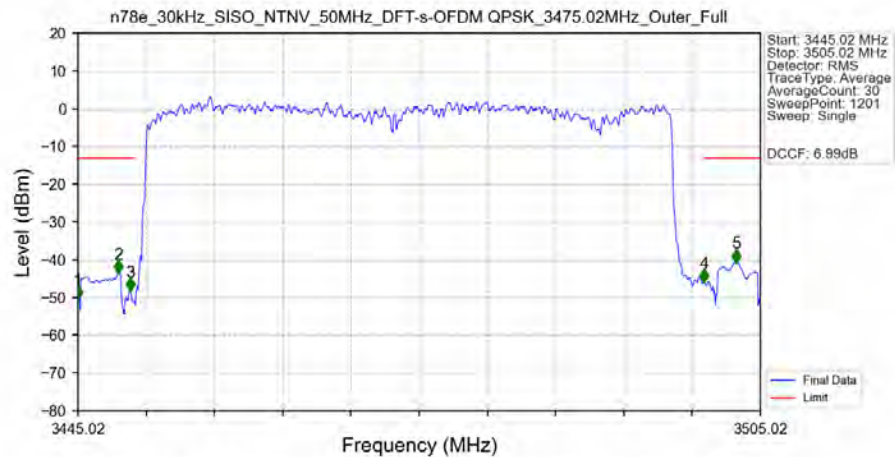
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	859.600	-52.58	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3475.02MHz Edge 1RB Left Ant0



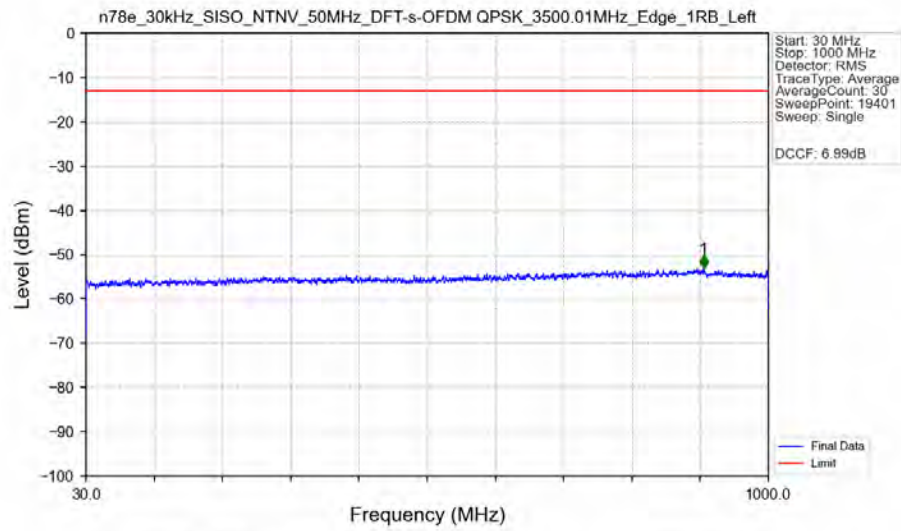
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3427.500	-46.19	-13	Pass
3445.02	3505.02	1	/	/	/	/	/	/
3505.02	35500	1	/	2	34730.500	-33.35	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3475.02MHz Outer_Full Ant0

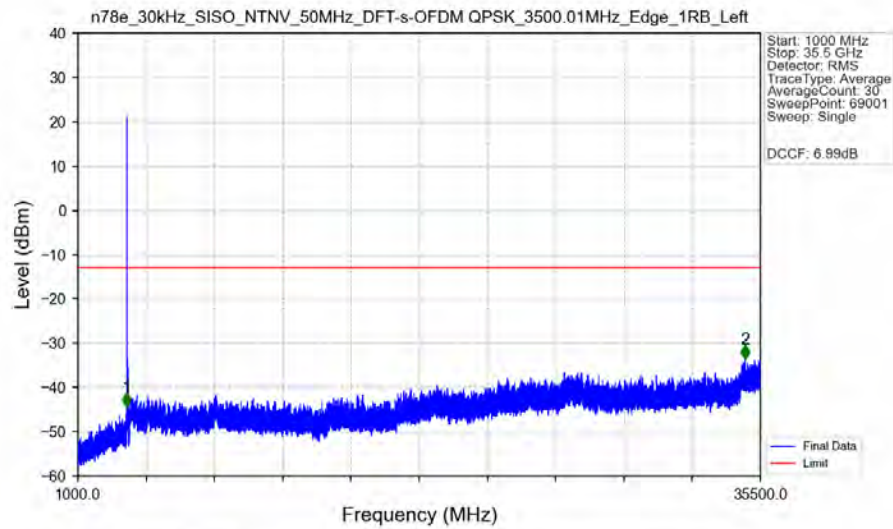


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-50.25	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.570	-43.41	-13	Pass
3449.02	3450.02	0.2	CHP	3	3449.620	-48.02	-13	Pass
3450.02	3500.02	0.2	CHP	/	/	/	/	/
3500.02	3501.02	0.2	CHP	4	3500.070	-45.72	-13	Pass
3501.02	3505.02	0.5	CHP	5	3502.870	-40.46	-13	Pass

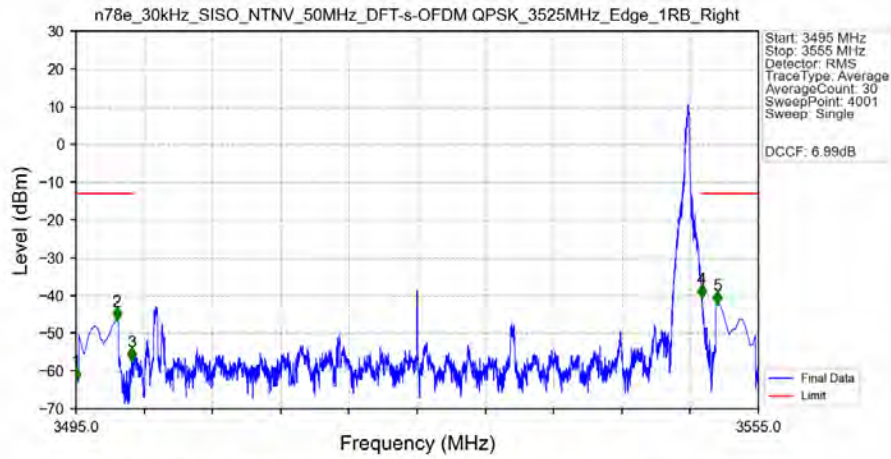
n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0



n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0

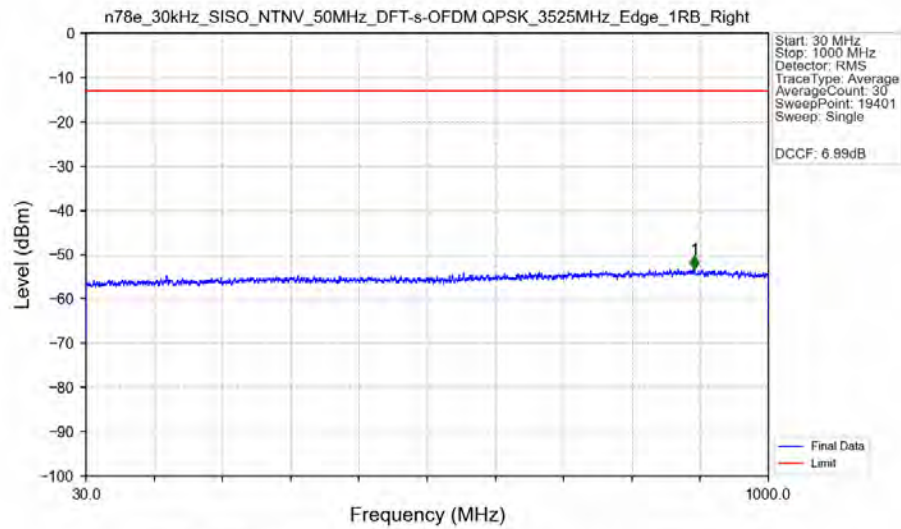


n78e 30kHz SISO NTV 50MHz DFT-s-OFDM QPSK 3525MHz Edge 1RB Right Ant0



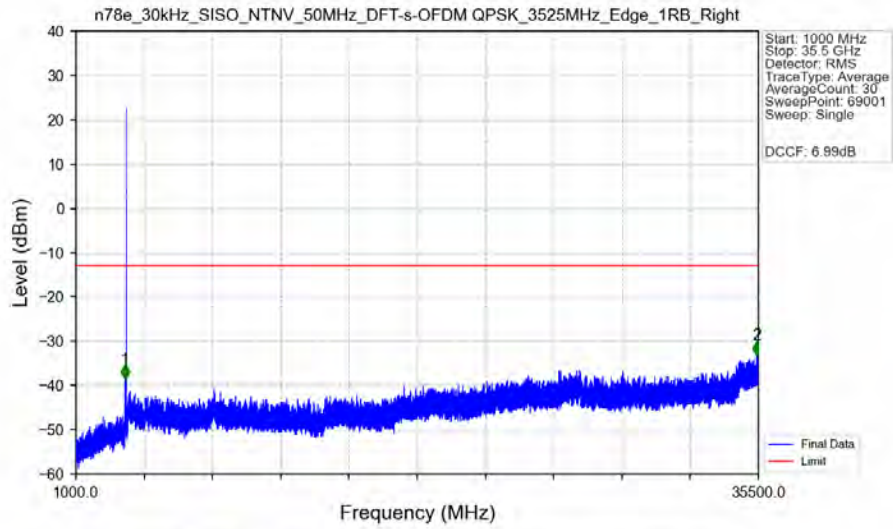
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3495	3495	0.5	/	1	3495.000	-62.31	-13	Pass
3495	3499	0.5	CHP	2	3498.585	-46.43	-13	Pass
3499	3500	0.03	/	3	3499.905	-57.11	-13	Pass
3500	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.005	-40.35	-13	Pass
3551	3555	0.5	CHP	5	3551.385	-42.11	-13	Pass

n78e 30kHz SISO NTV 50MHz DFT-s-OFDM QPSK 3525MHz Edge 1RB Right Ant0



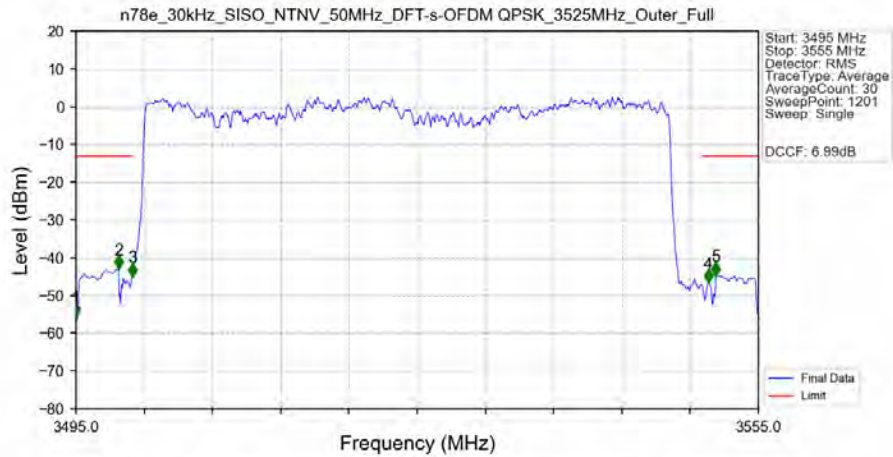
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	894.900	-53.28	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3525MHz Edge 1RB Right Ant0



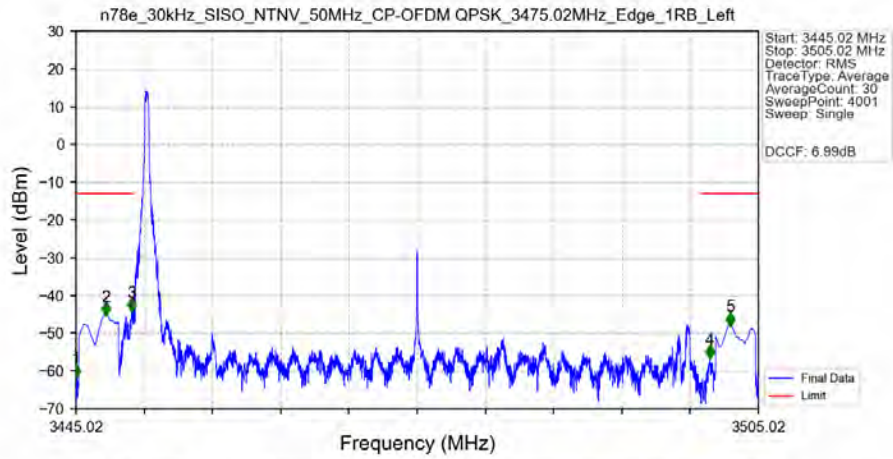
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3495	1	/	1	3487.500	-38.52	-13	Pass
3495	3555	1	/	/	/	/	/	/
3555	35500	1	/	2	35422.000	-33.08	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3525MHz Outer_Full_Ant0



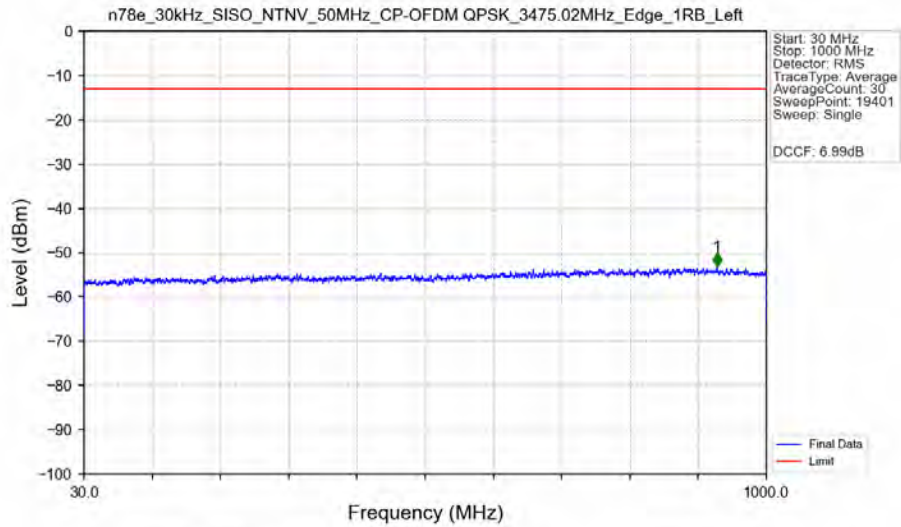
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3495	3495	0.5	/	1	3495.000	-55.14	-13	Pass
3495	3499	0.5	CHP	2	3498.750	-42.79	-13	Pass
3499	3500	0.2	CHP	3	3499.950	-44.74	-13	Pass
3500	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.600	-46.34	-13	Pass
3551	3555	0.5	CHP	5	3551.250	-44.55	-13	Pass

n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3475.02MHz Edge 1RB Left Ant0



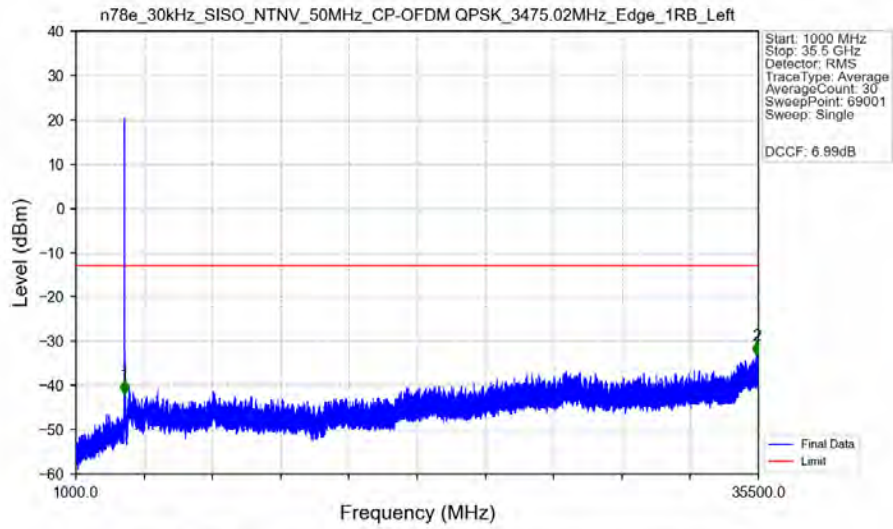
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-61.45	-13	Pass
3445.02	3449.02	0.5	CHP	2	3447.660	-45.05	-13	Pass
3449.02	3450.02	0.03	/	3	3449.925	-43.99	-13	Pass
3450.02	3500.02	0.03	/	/	/	/	/	/
3500.02	3501.02	0.03	/	4	3500.745	-56.39	-13	Pass
3501.02	3505.02	0.5	CHP	5	3502.515	-47.79	-13	Pass

n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3475.02MHz Edge 1RB Left Ant0



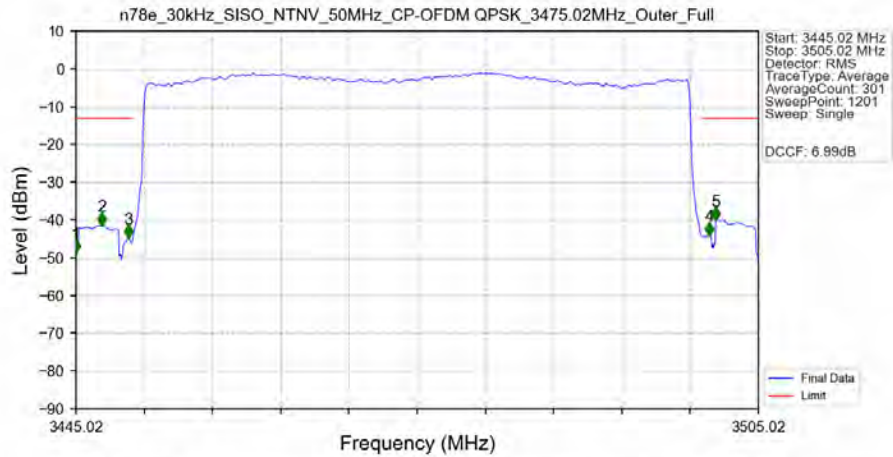
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	929.950	-53.10	-13	Pass

n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3475.02MHz Edge 1RB Left Ant0



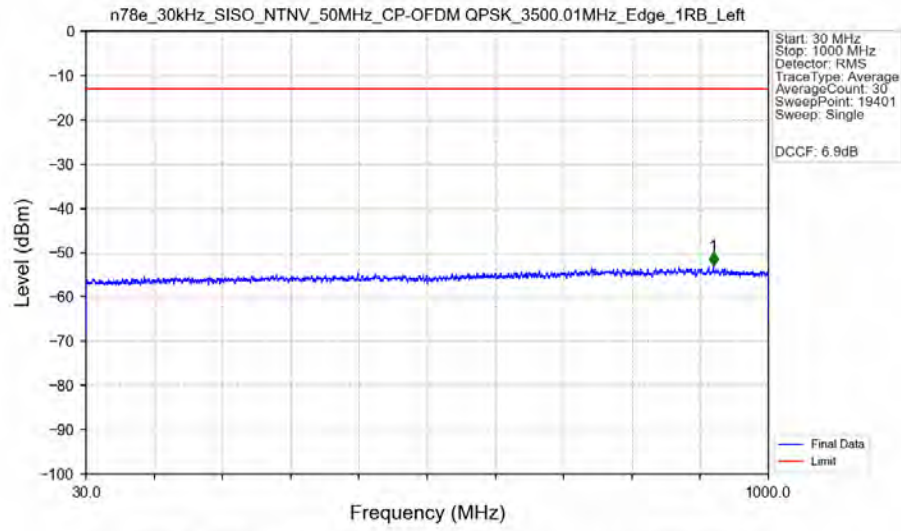
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3444.500	-41.84	-13	Pass
3445.02	3505.02	1	/	/	/	/	/	/
3505.02	35500	1	/	2	35407.500	-33.18	-13	Pass

n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3475.02MHz Outer_Full Ant0

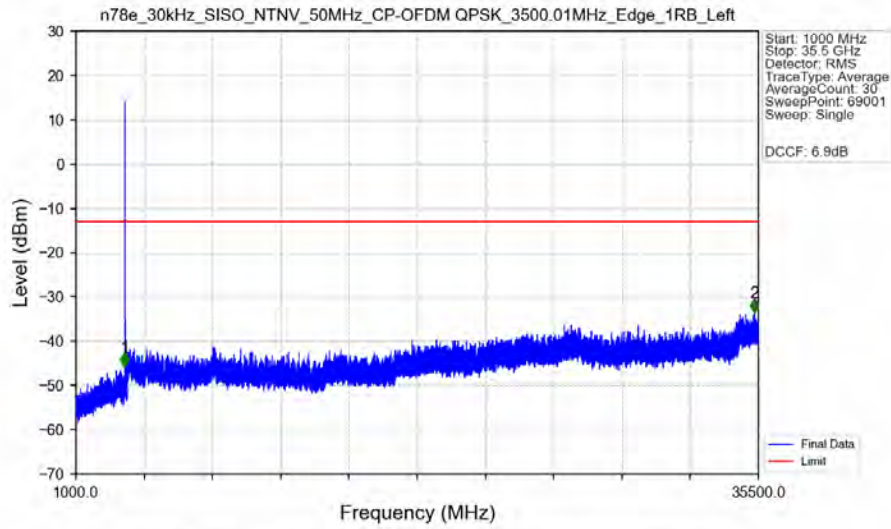


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-48.49	-13	Pass
3445.02	3449.02	0.5	CHP	2	3447.320	-41.28	-13	Pass
3449.02	3450.02	0.2	CHP	3	3449.620	-44.53	-13	Pass
3450.02	3500.02	0.2	CHP	/	/	/	/	/
3500.02	3501.02	0.2	CHP	4	3500.720	-43.85	-13	Pass
3501.02	3505.02	0.5	CHP	5	3501.270	-39.94	-13	Pass

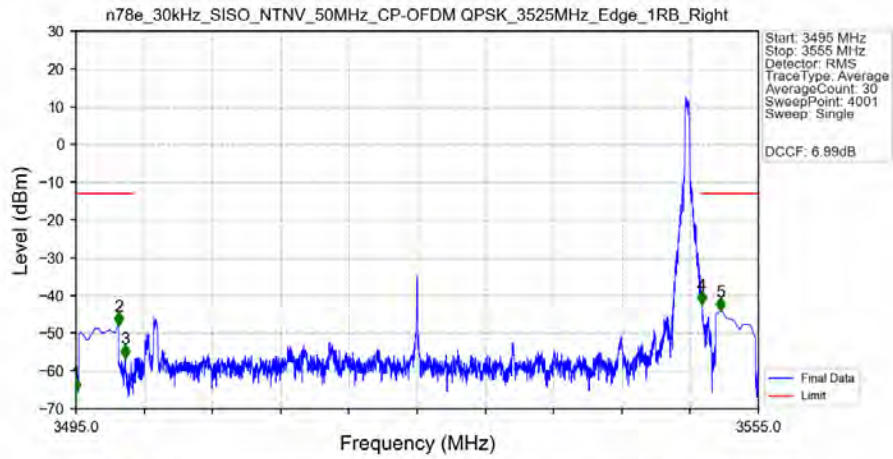
n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0



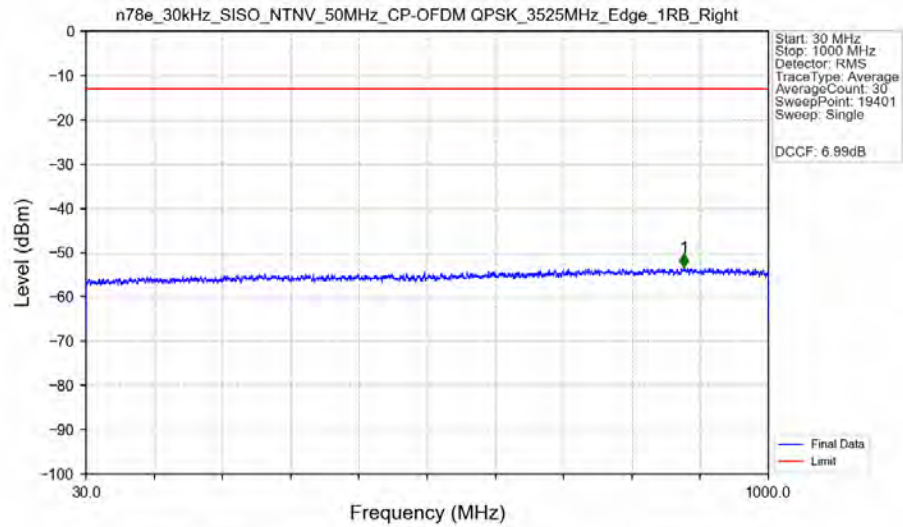
n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0



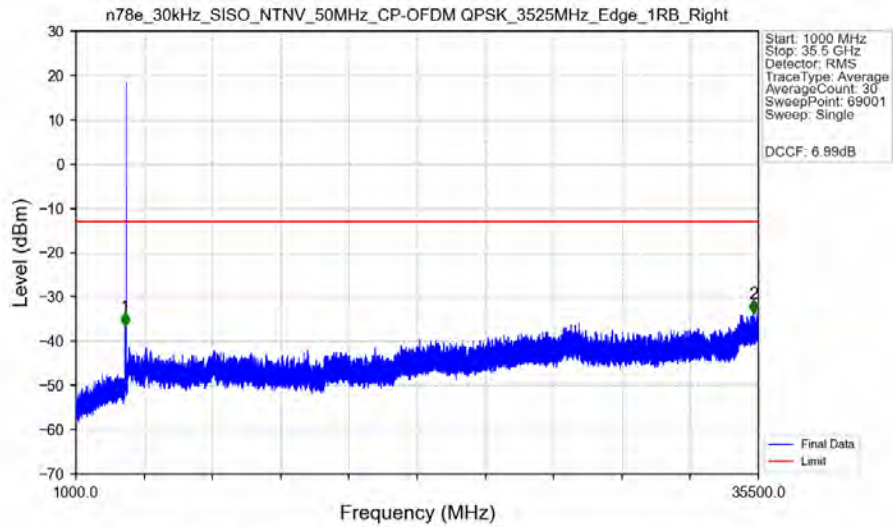
n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3525MHz Edge 1RB Right Ant0



n78e_30kHz SISO NTN 50MHz CP-OFDM QPSK 3525MHz Edge 1RB Right Ant0

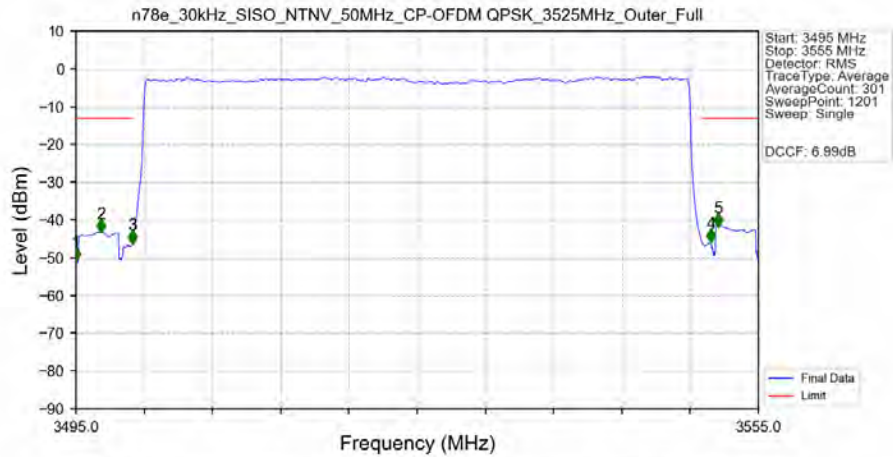


n78e_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3525MHz_Edge_1RB_Right_Ant0



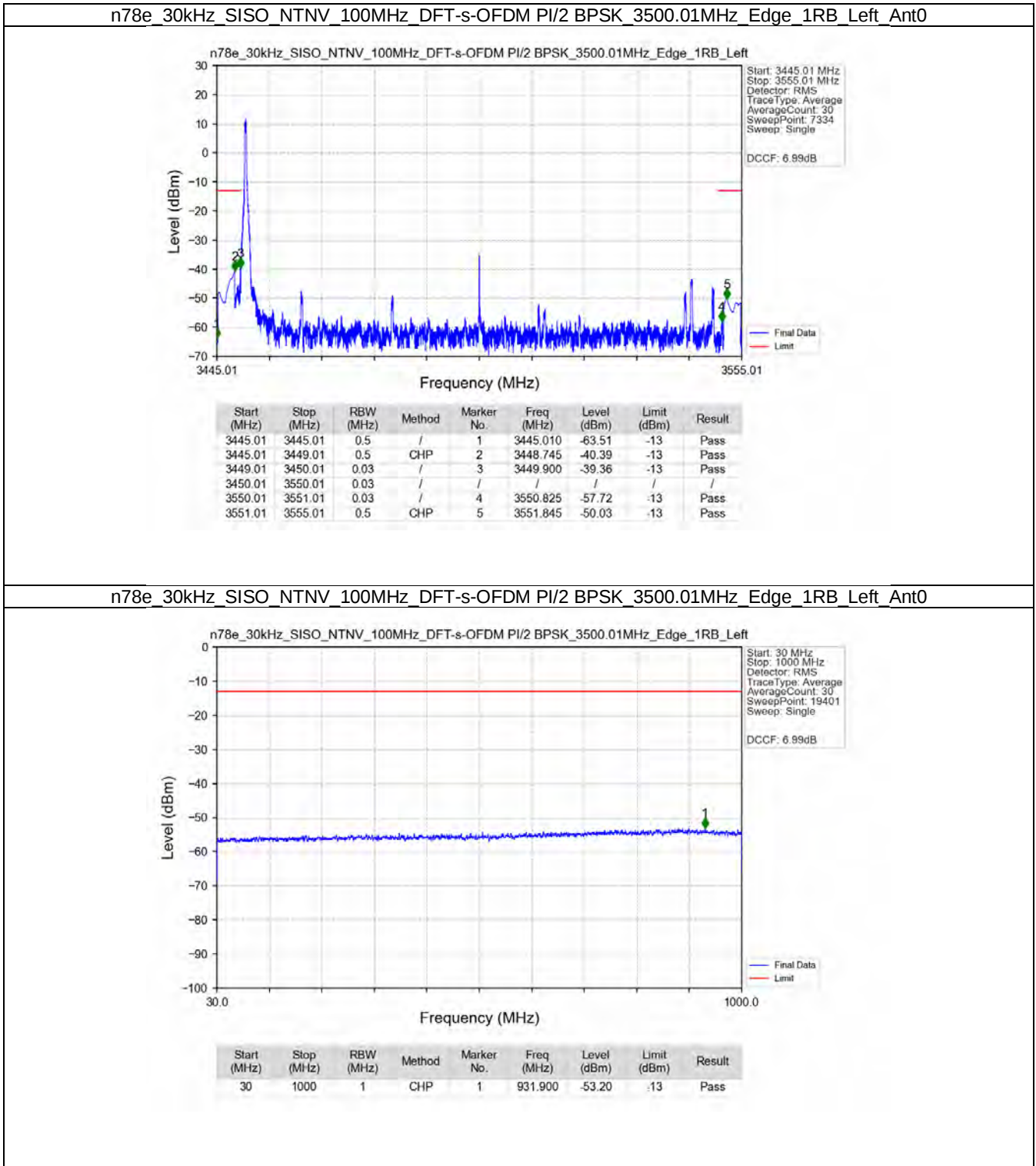
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3495	1	/	1	3487.500	-36.61	-13	Pass
3495	3555	1	/	/	/	/	/	/
3555	35500	1	/	2	35251.000	-33.67	-13	Pass

n78e_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3525MHz_Outer_Full_Ant0

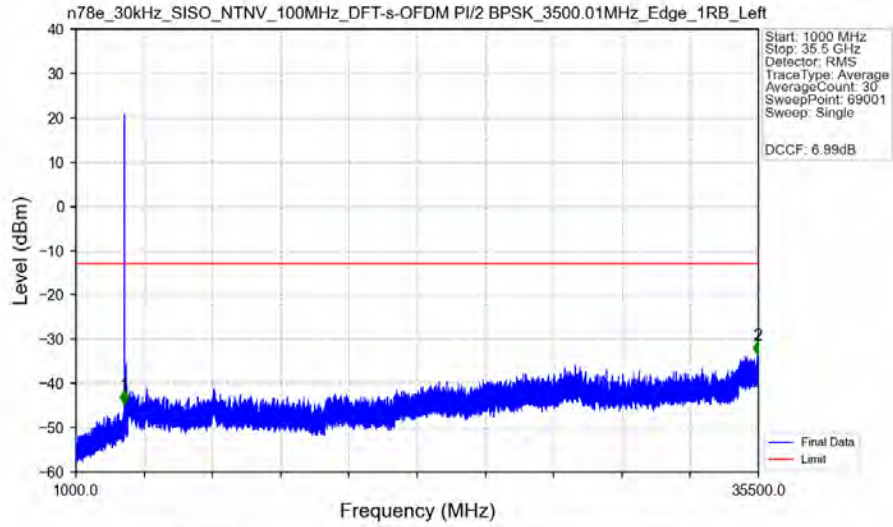


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3495	3495	0.5	/	1	3495.000	-50.66	-13	Pass
3495	3499	0.5	CHP	2	3497.200	-43.06	-13	Pass
3499	3500	0.2	CHP	3	3499.950	-46.08	-13	Pass
3500	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.850	-45.68	-13	Pass
3551	3555	0.5	CHP	5	3551.450	-41.65	-13	Pass

5.2.3 30k_SISO_100MHz_NTNV

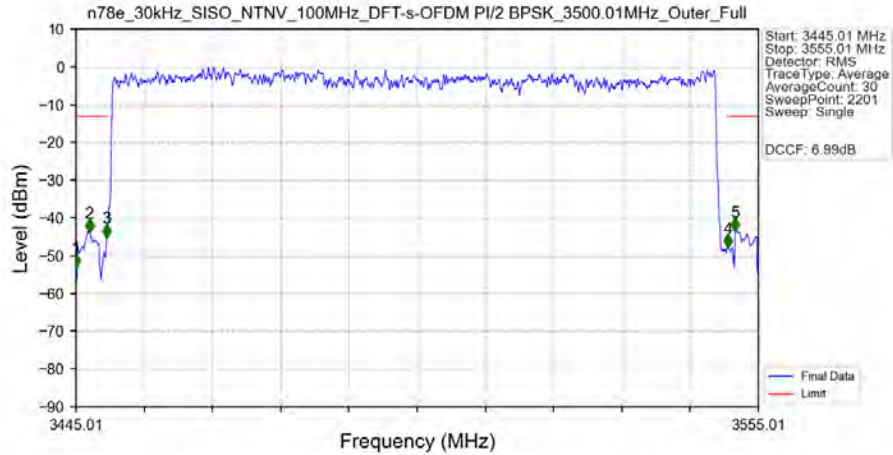


n78e 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left Ant0



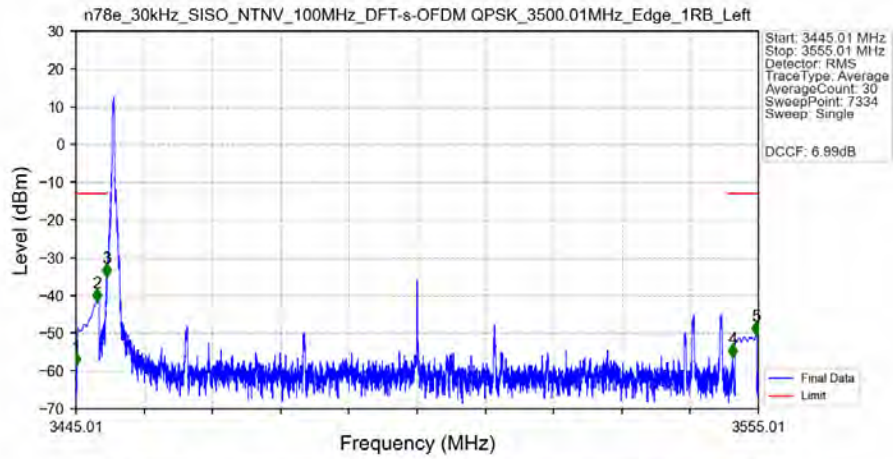
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3442.000	-44.71	-13	Pass
3445.01	3555.01	1	/	/	/	/	/	/
3555.01	35500	1	/	2	35457.500	-33.59	-13	Pass

n78e 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Outer_Full Ant0



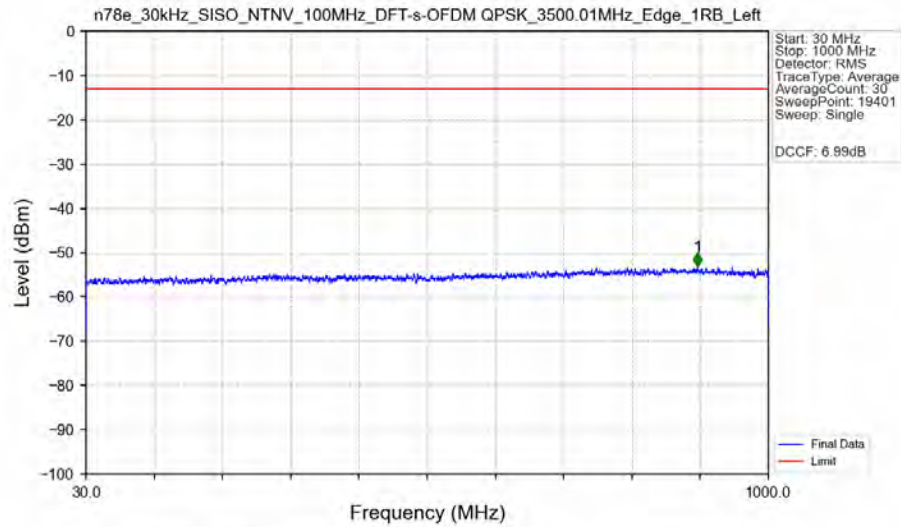
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-52.81	-13	Pass
3445.01	3449.01	0.5	CHP	2	3447.160	-43.51	-13	Pass
3449.01	3450.01	0.2	CHP	3	3449.960	-44.94	-13	Pass
3450.01	3550.01	0.2	CHP	/	/	/	/	/
3550.01	3551.01	0.2	CHP	4	3550.110	-47.65	-13	Pass
3551.01	3555.01	0.5	CHP	5	3551.260	-43.33	-13	Pass

n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant0



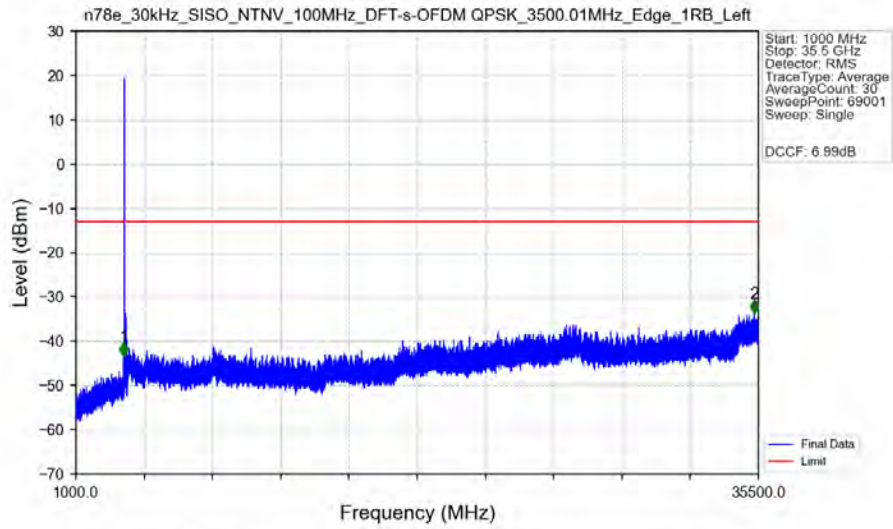
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-58.36	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.445	-41.44	-13	Pass
3449.01	3450.01	0.03	/	3	3449.975	-34.84	-13	Pass
3450.01	3550.01	0.03	/	/	/	/	/	/
3550.01	3551.01	0.03	/	4	3550.870	-56.23	-13	Pass
3551.01	3555.01	0.5	CHP	5	3554.665	-50.25	-13	Pass

n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant0



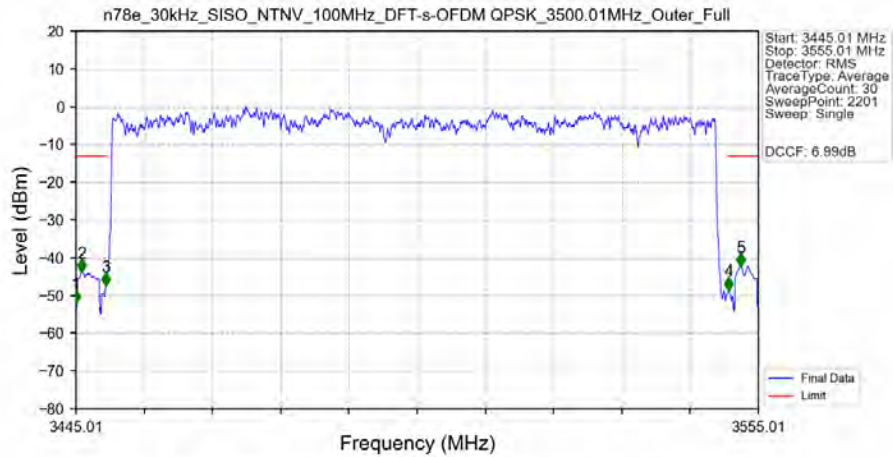
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	899.350	-53.21	-13	Pass

n78e 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0



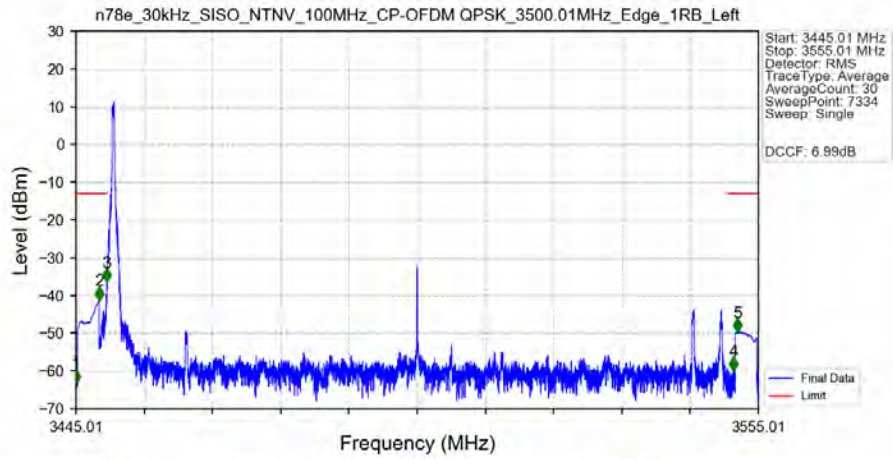
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3415.000	-43.42	-13	Pass
3445.01	3555.01	1	/	/	/	/	/	/
3555.01	35500	1	/	2	35286.000	-33.72	-13	Pass

n78e 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3500.01MHz Outer_Full Ant0



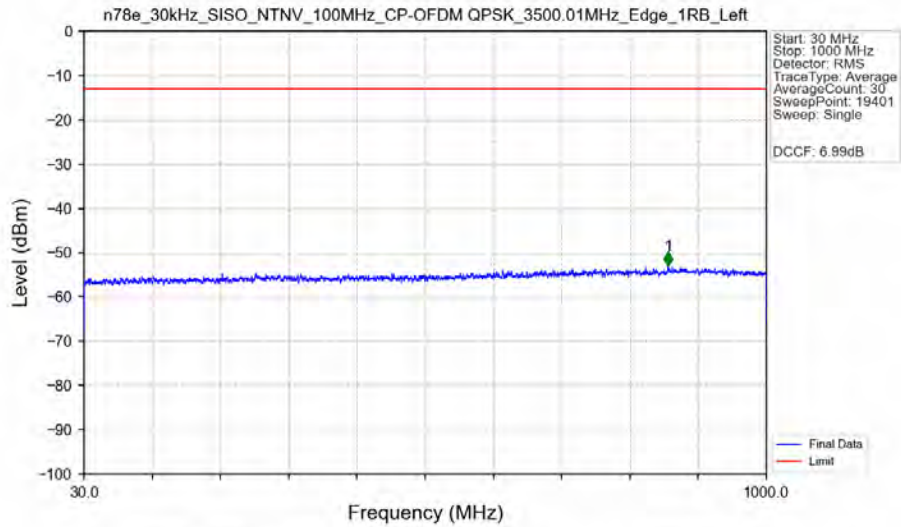
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-51.81	-13	Pass
3445.01	3449.01	0.5	CHP	2	3445.960	-43.57	-13	Pass
3449.01	3450.01	0.2	CHP	3	3449.860	-47.18	-13	Pass
3450.01	3550.01	0.2	CHP	/	/	/	/	/
3550.01	3551.01	0.2	CHP	4	3550.260	-48.37	-13	Pass
3551.01	3555.01	0.5	CHP	5	3552.110	-42.08	-13	Pass

n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0



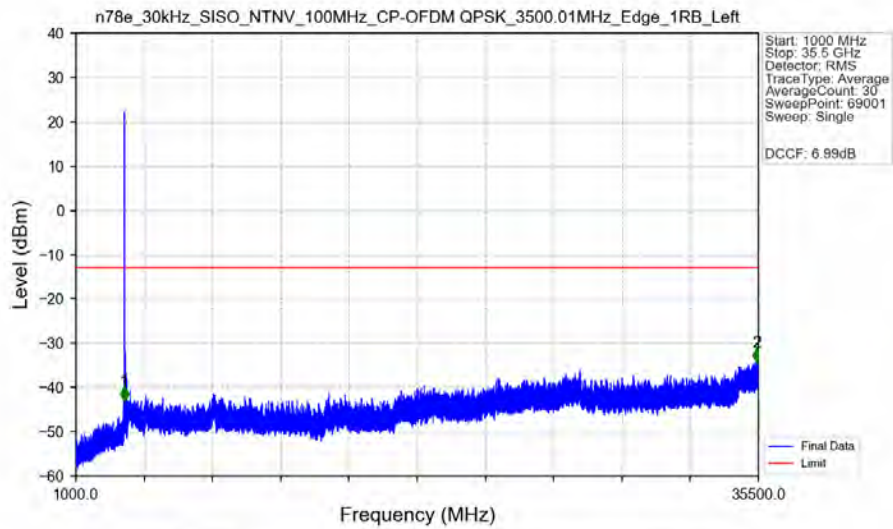
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-62.97	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.745	-40.97	-13	Pass
3449.01	3450.01	0.03	/	3	3450.005	-36.07	-13	Pass
3450.01	3550.01	0.03	/	/	/	/	/	/
3550.01	3551.01	0.03	/	4	3550.990	-59.56	-13	Pass
3551.01	3555.01	0.5	CHP	5	3551.650	-49.40	-13	Pass

n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0



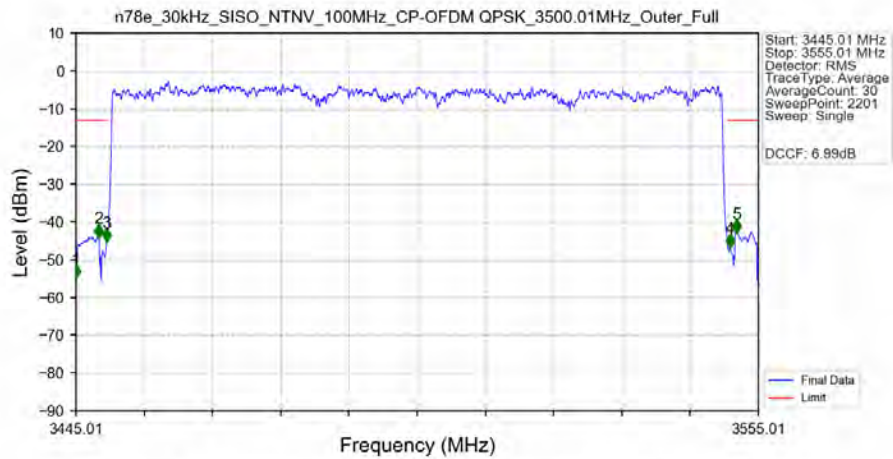
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	860.300	-53.02	-13	Pass

n78e 30kHz SISO NTV 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3438.000	-43.01	-13	Pass
3445.01	3555.01	1	/	/	/	/	/	/
3555.01	35500	1	/	2	35425.500	-34.31	-13	Pass

n78e 30kHz SISO NTV 100MHz CP-OFDM QPSK 3500.01MHz Outer_Full Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-54.69	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.710	-43.85	-13	Pass
3449.01	3450.01	0.2	CHP	3	3449.960	-45.07	-13	Pass
3450.01	3550.01	0.2	CHP	/	/	/	/	/
3550.01	3551.01	0.2	CHP	4	3550.460	-46.56	-13	Pass
3551.01	3555.01	0.5	CHP	5	3551.460	-42.71	-13	Pass

6. Field Strength of Spurious Radiation

NR N78a(3450-3550MHz)-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
6910.0	-57.06	-13	-44.06	-63.16	4.91	11.01	Horizontal	Pass
10365.0	-46.67	-13	-33.67	-54.25	5.52	13.1	Horizontal	Pass
13820.0	-54.98	-13	-41.98	-63.15	6.21	14.38	Horizontal	Pass
6910.0	-56.39	-13	-43.39	-62.49	4.91	11.01	Vertical	Pass
10365.0	-51.46	-13	-38.46	-59.04	5.52	13.1	Vertical	Pass
13820.0	-54.92	-13	-41.92	-63.09	6.21	14.38	Vertical	Pass

NSA_5A_n78A 3450-3550-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
6910.0	-61.13	-13	-48.13	-67.23	4.91	11.01	Horizontal	Pass
10365.0	-56.28	-13	-43.28	-63.86	5.52	13.1	Horizontal	Pass
13820.0	-54.49	-13	-41.49	-62.66	6.21	14.38	Horizontal	Pass
6910.0	-57.24	-13	-44.24	-63.34	4.91	11.01	Vertical	Pass
10365.0	-56.25	-13	-43.25	-63.83	5.52	13.1	Vertical	Pass
13820.0	-53.51	-13	-40.51	-61.68	6.21	14.38	Vertical	Pass