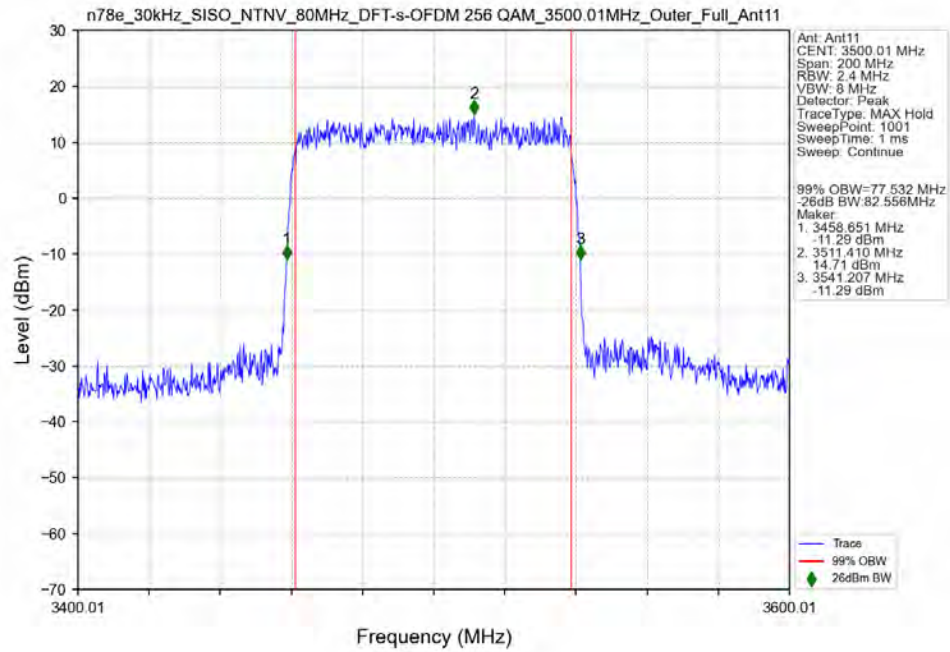
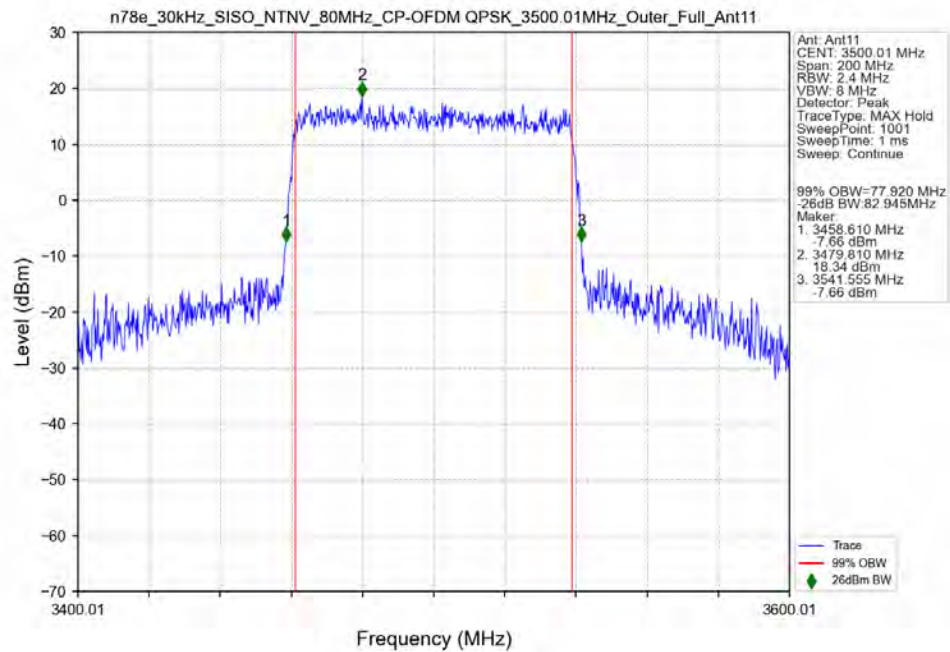


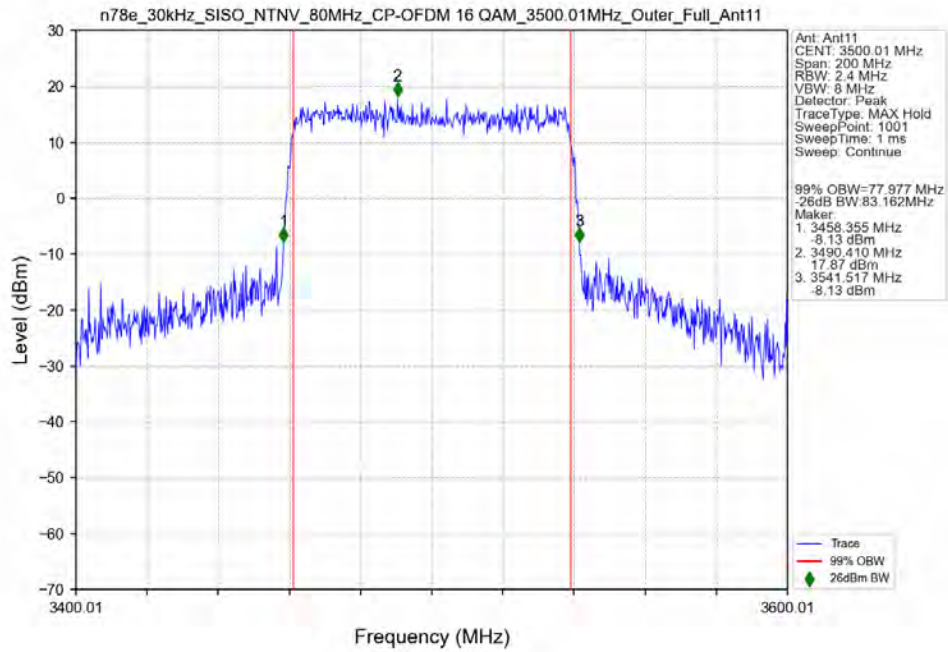
n78e 30kHz SISO NTN 80MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant11



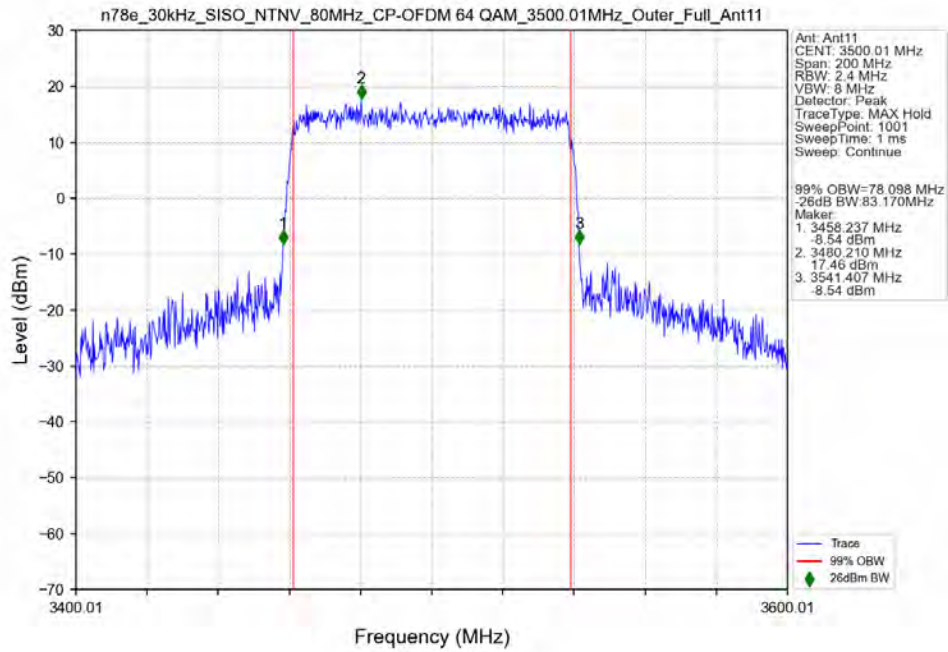
n78e 30kHz SISO NTN 80MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant11



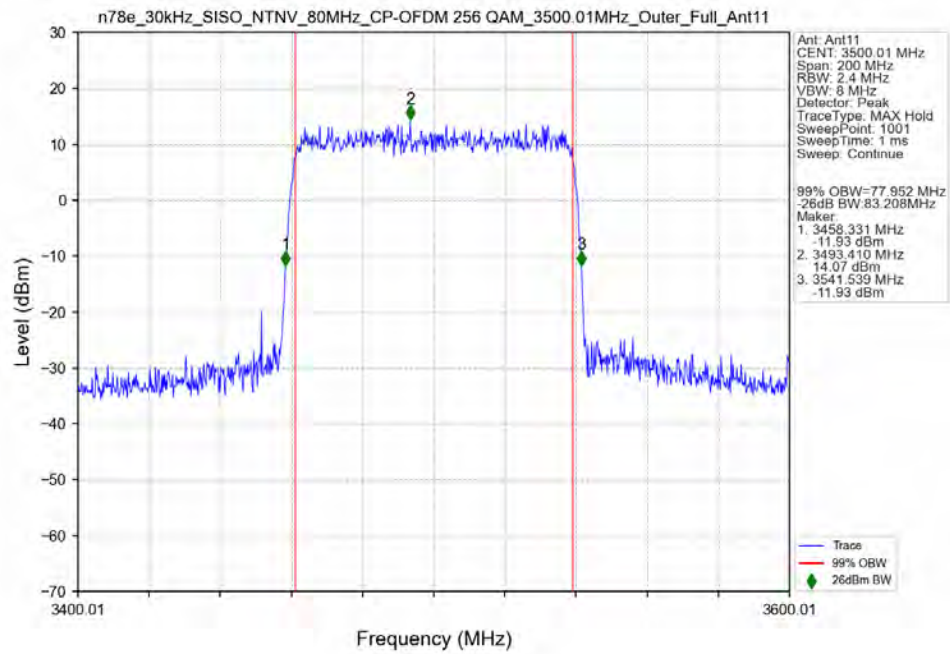
n78e 30kHz SISO NTN 80MHz CP-OFDM 16 QAM 3500.01MHz Outer Full Ant11



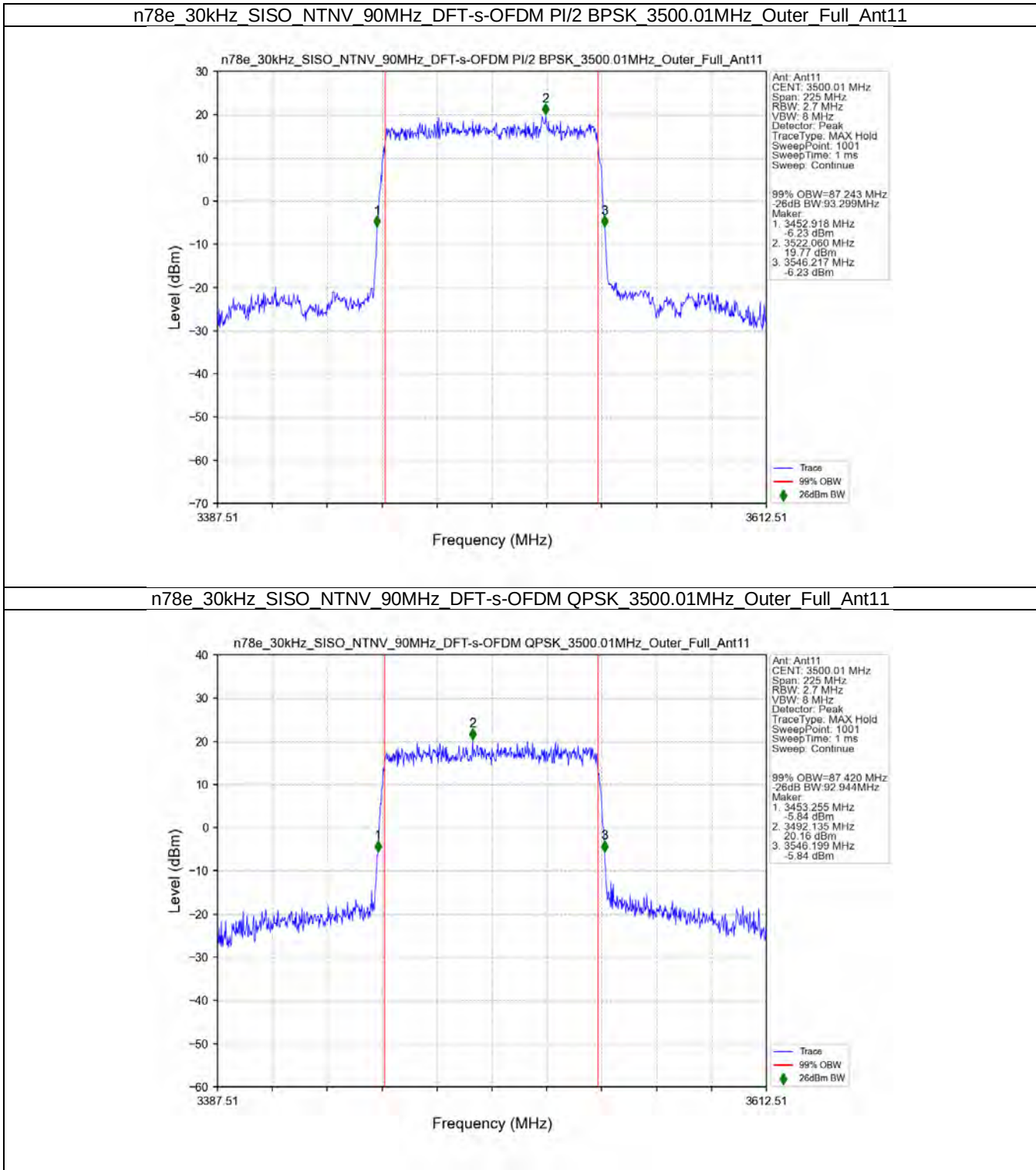
n78e 30kHz SISO NTN 80MHz CP-OFDM 64 QAM 3500.01MHz Outer Full Ant11



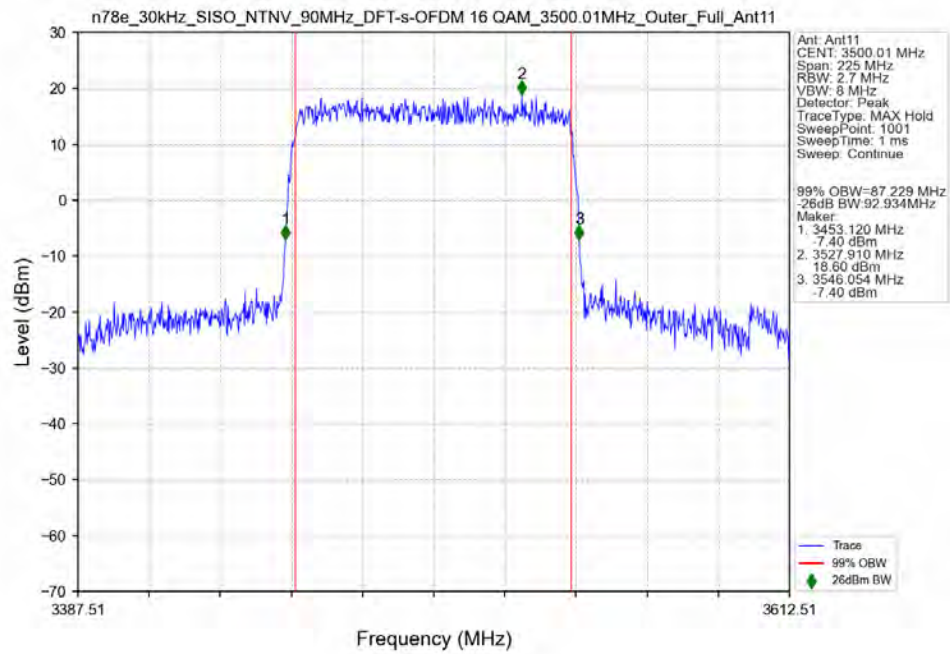
n78e 30kHz SISO NTN 80MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



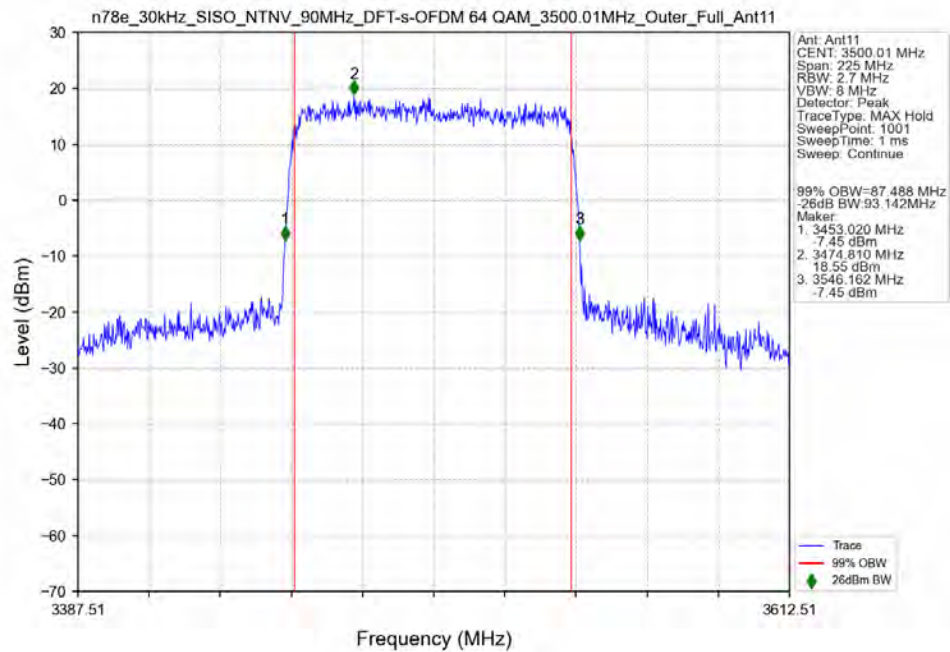
3.2.11 30k_SISO_90MHz_NTNV



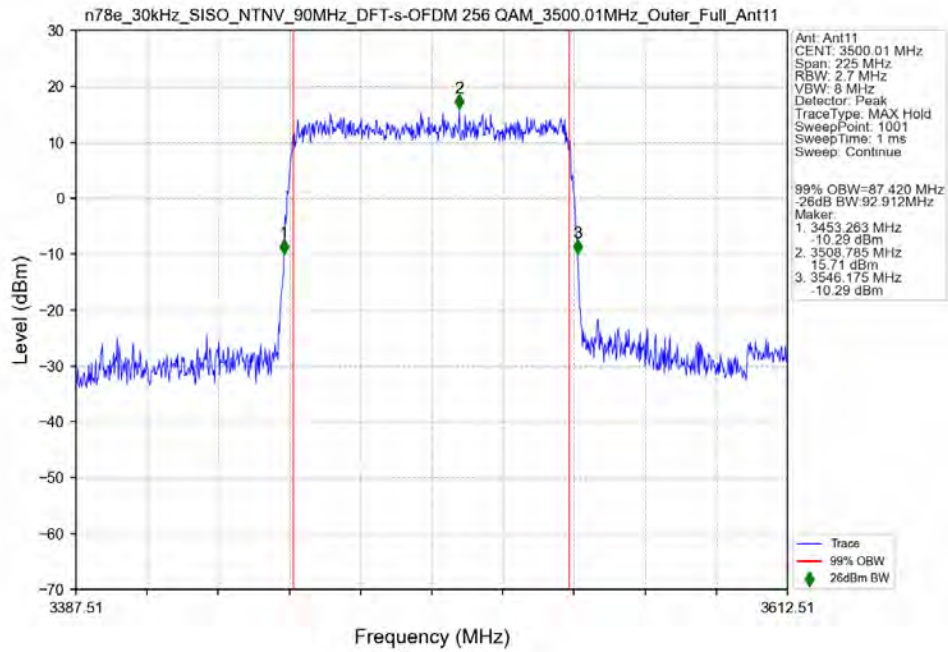
n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



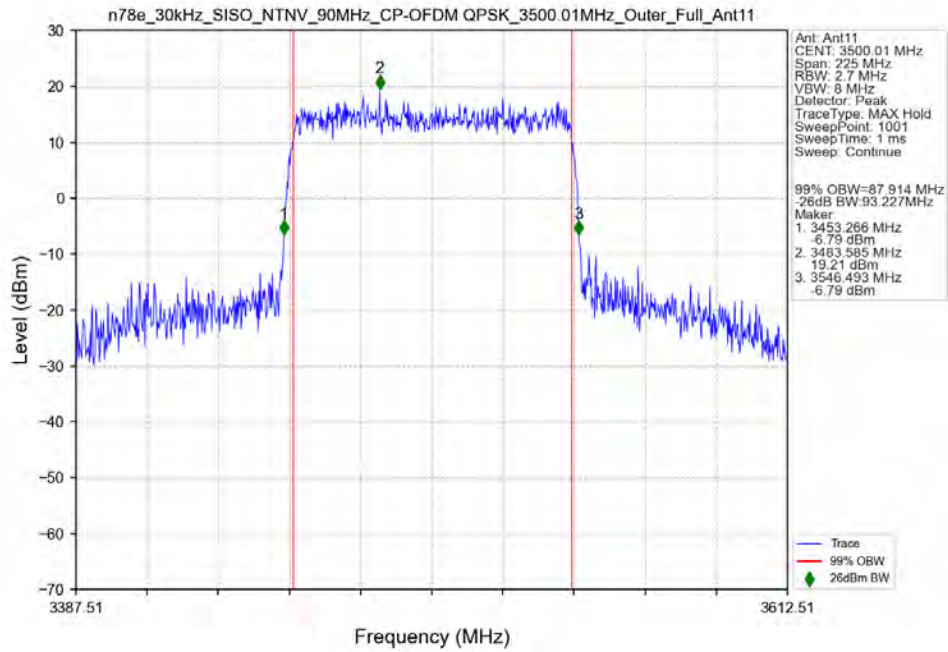
n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant11



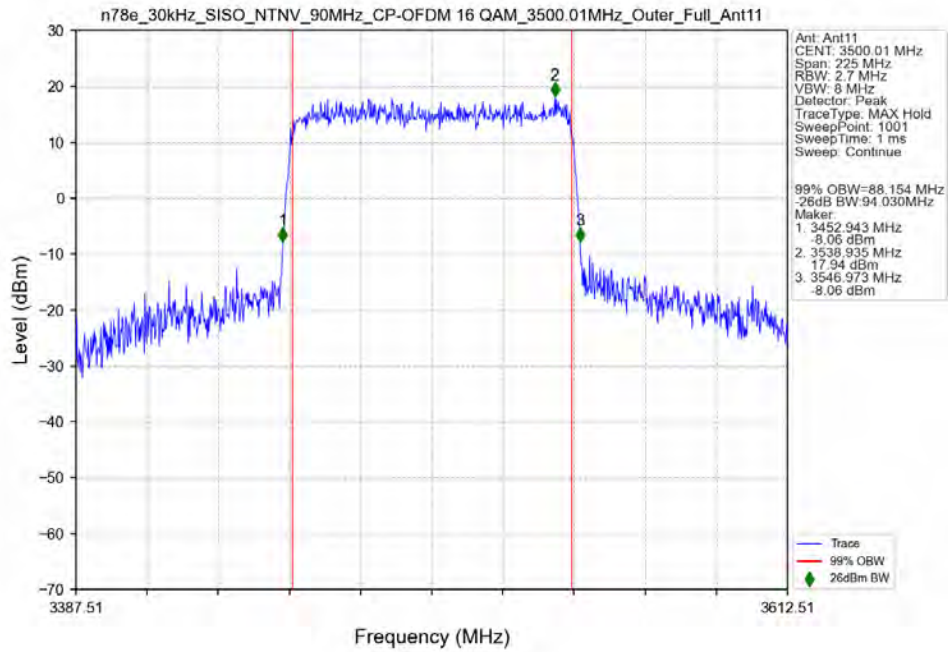
n78e 30kHz SISO NTN 90MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant11



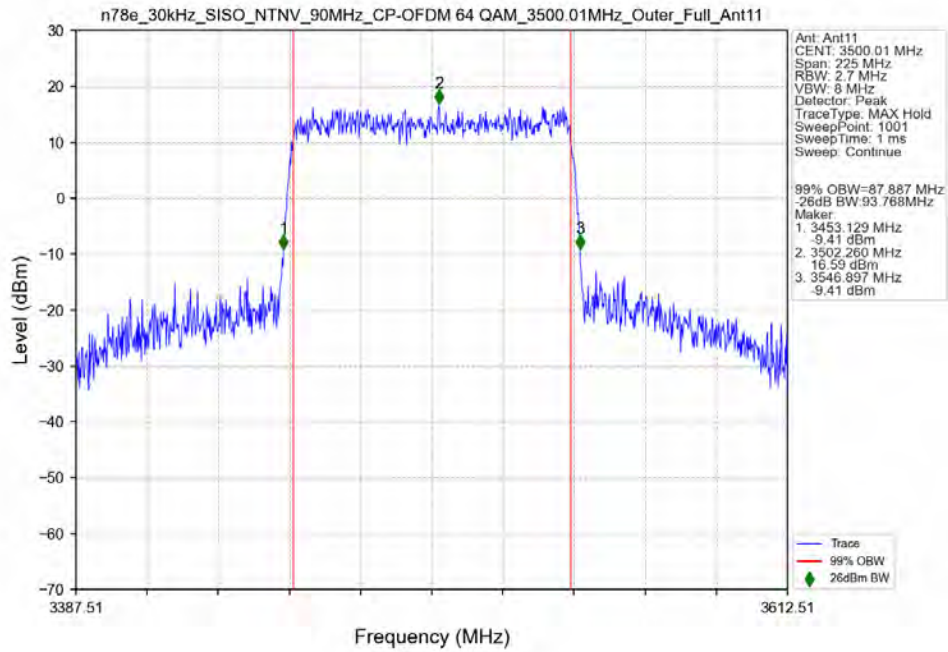
n78e 30kHz SISO NTN 90MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant11



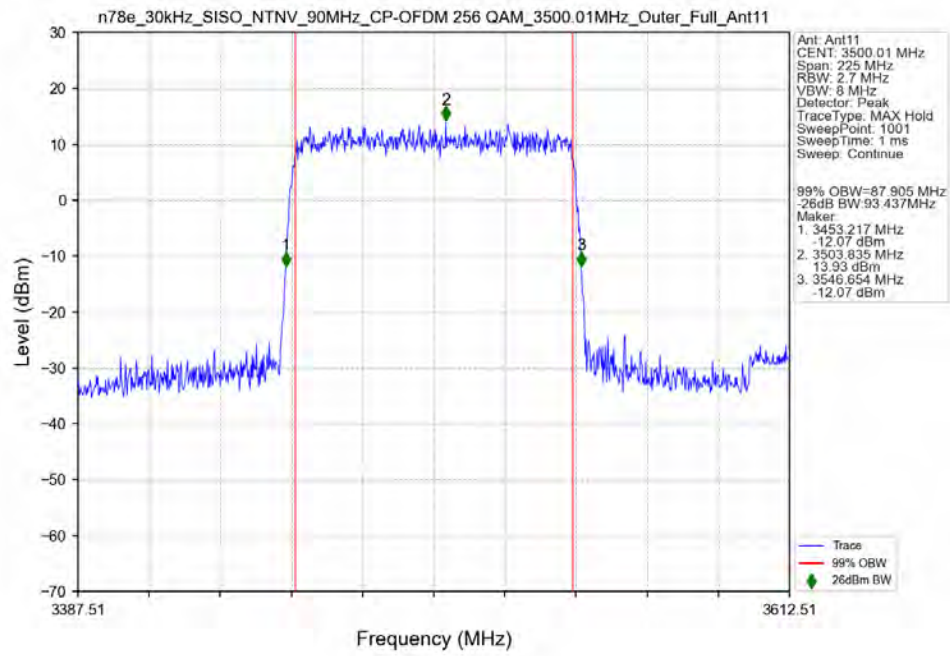
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM 16 QAM 3500.01MHz Outer_Full_Ant11



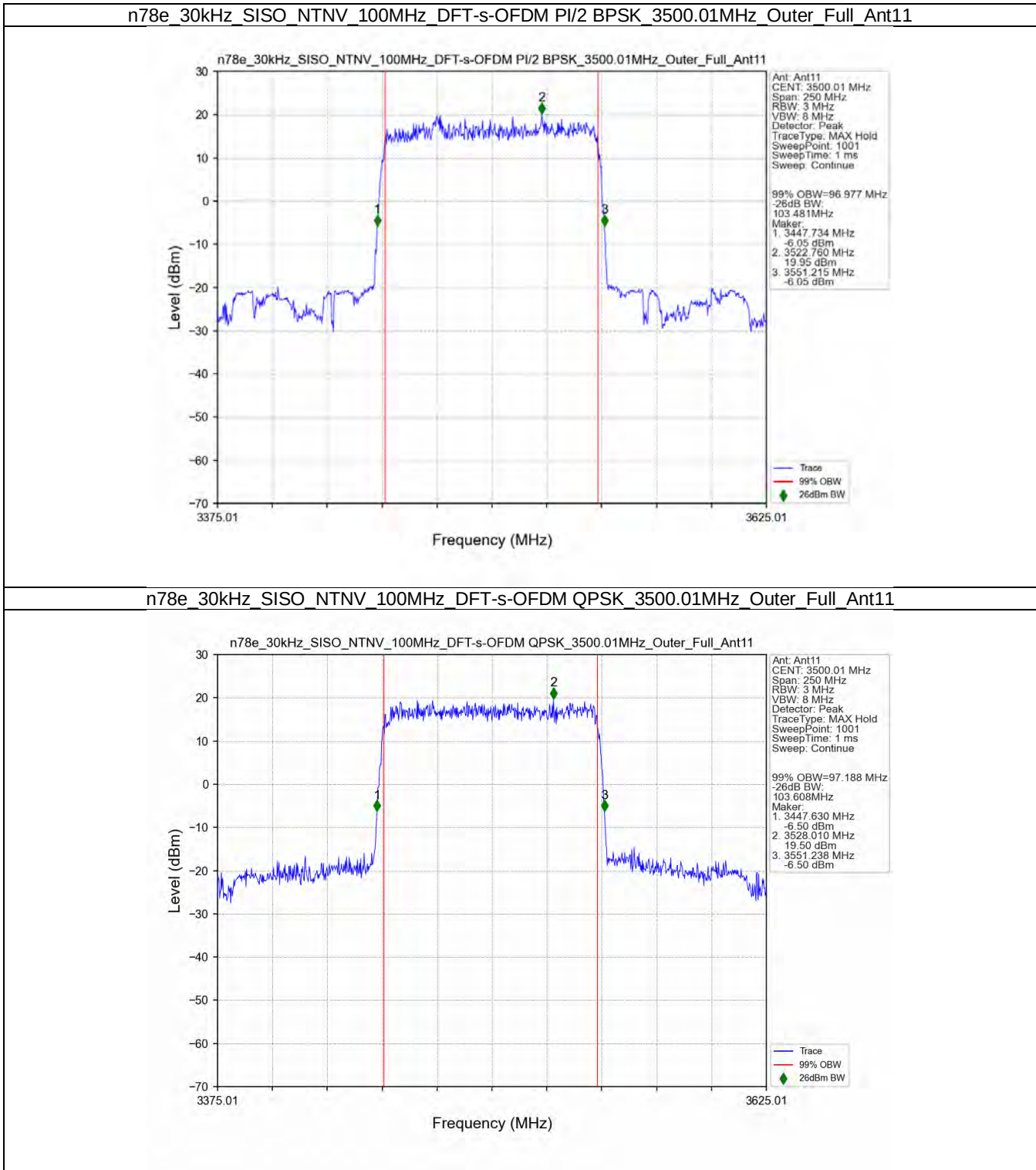
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM 64 QAM 3500.01MHz Outer_Full_Ant11



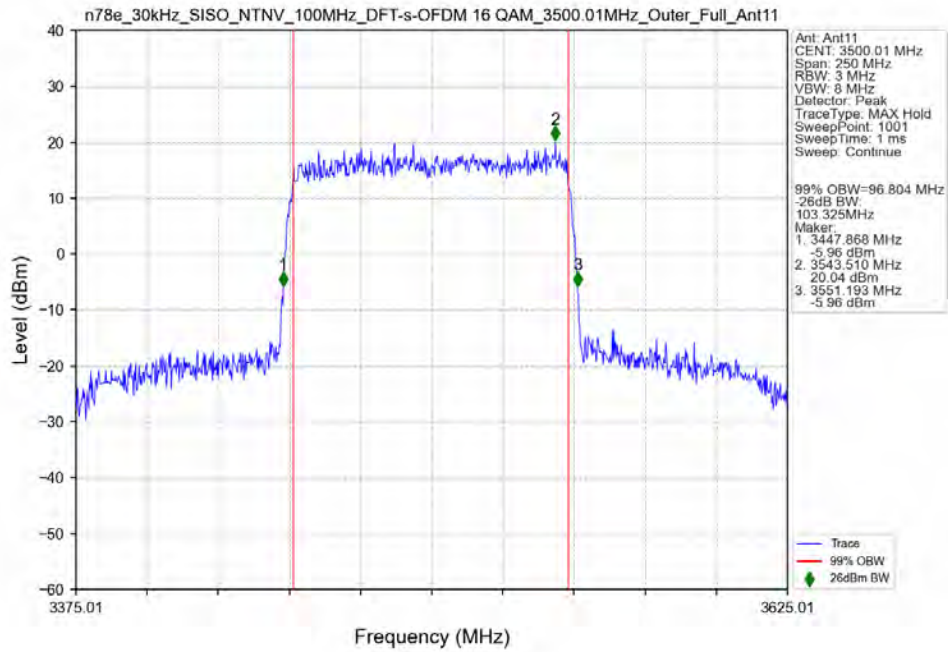
n78e 30kHz SISO NTN 90MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



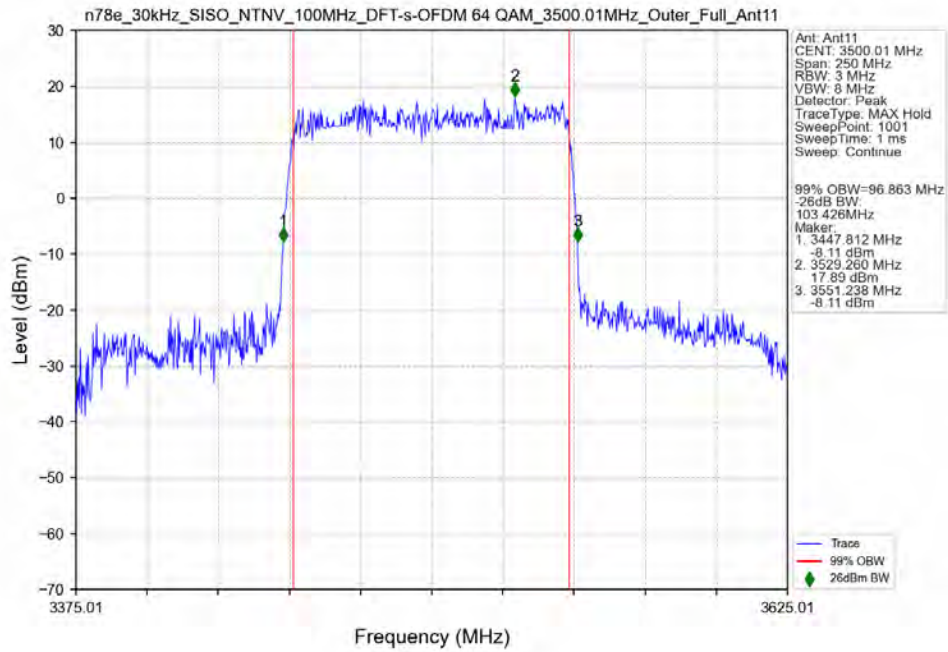
3.2.12 30k_SISO_100MHz_NTNV



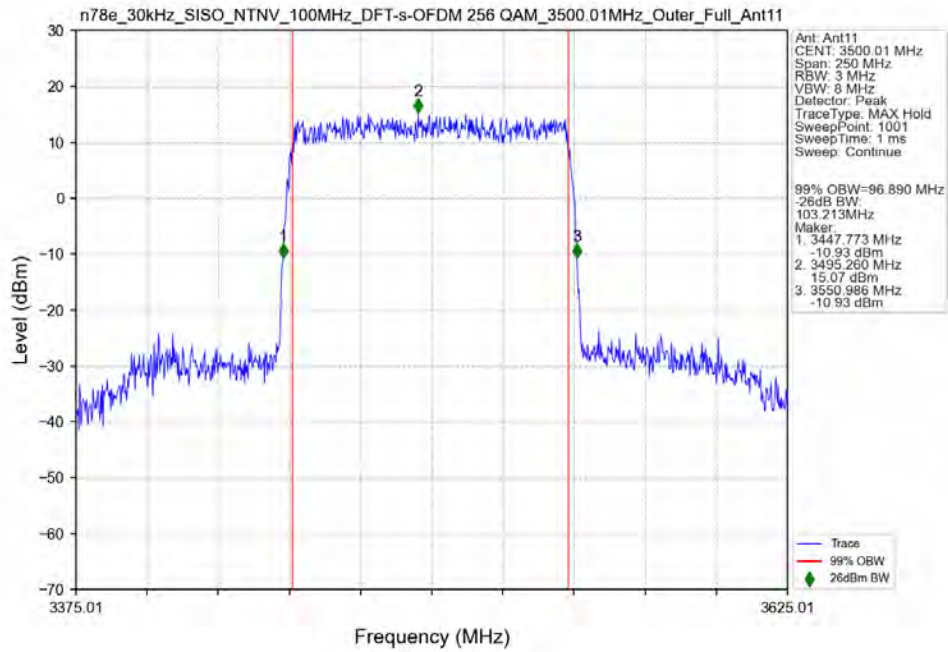
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant11



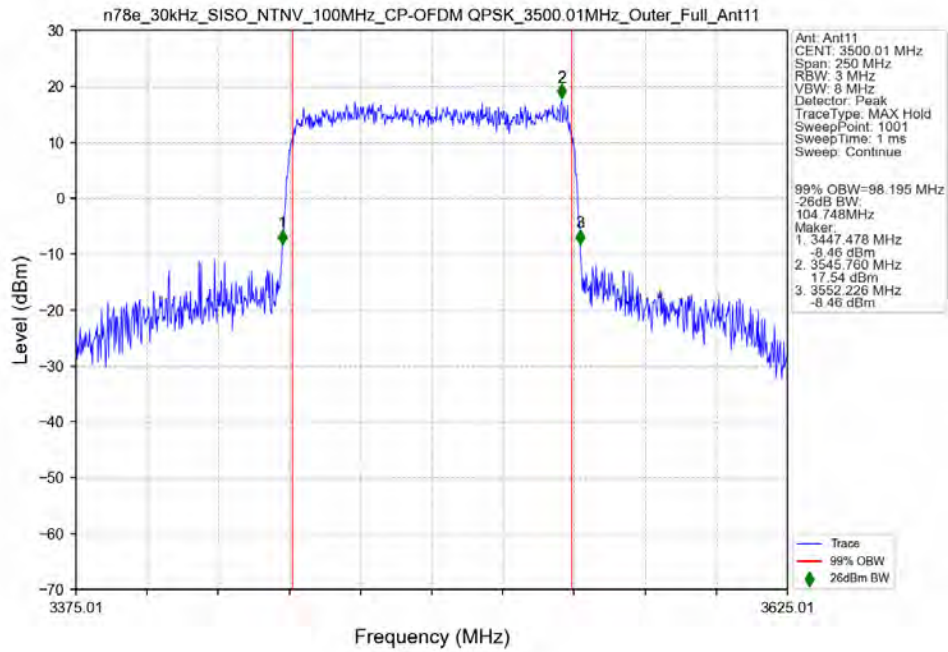
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full Ant11



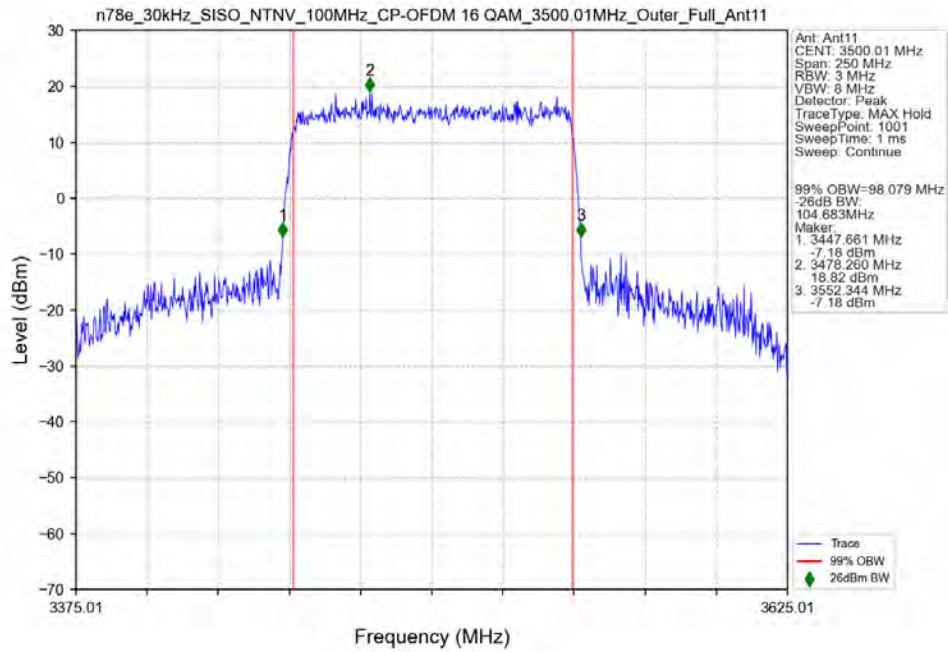
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant11



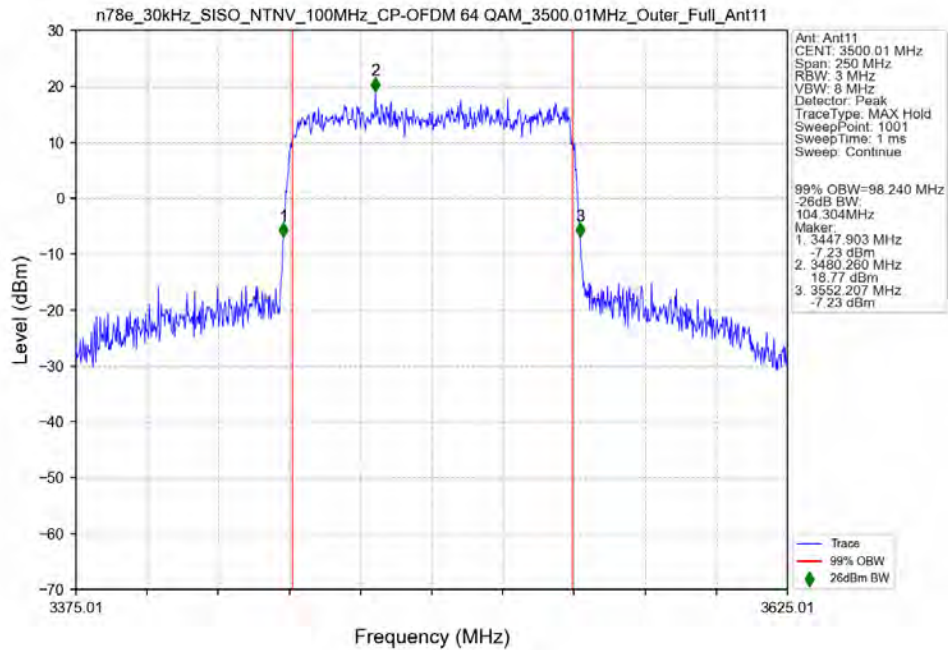
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant11



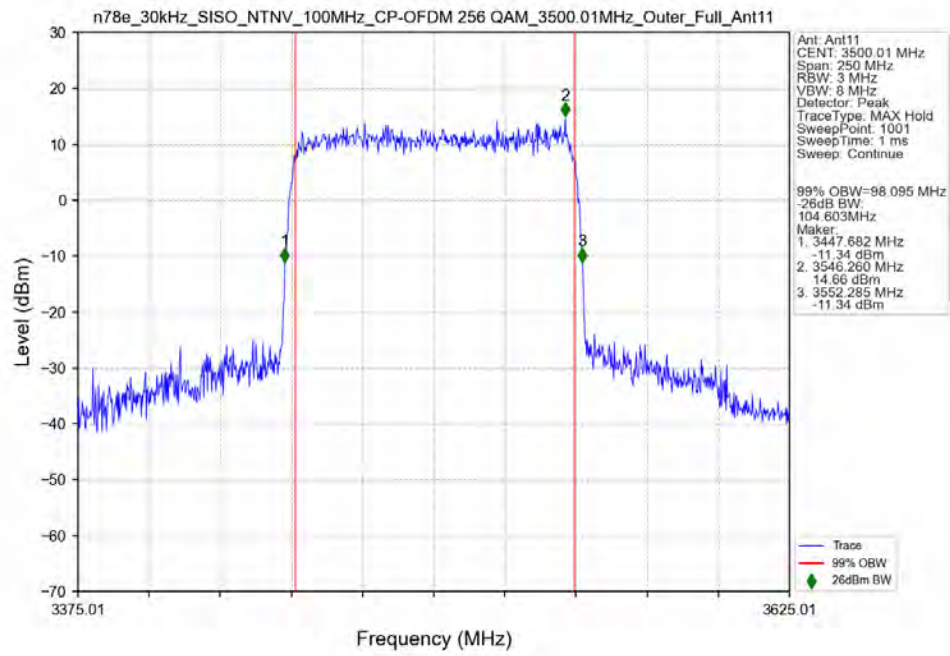
n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM 3500.01MHz_Outer_Full_Ant11



n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM 3500.01MHz_Outer_Full_Ant11



n78e 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



4. Peak-Average Ratio

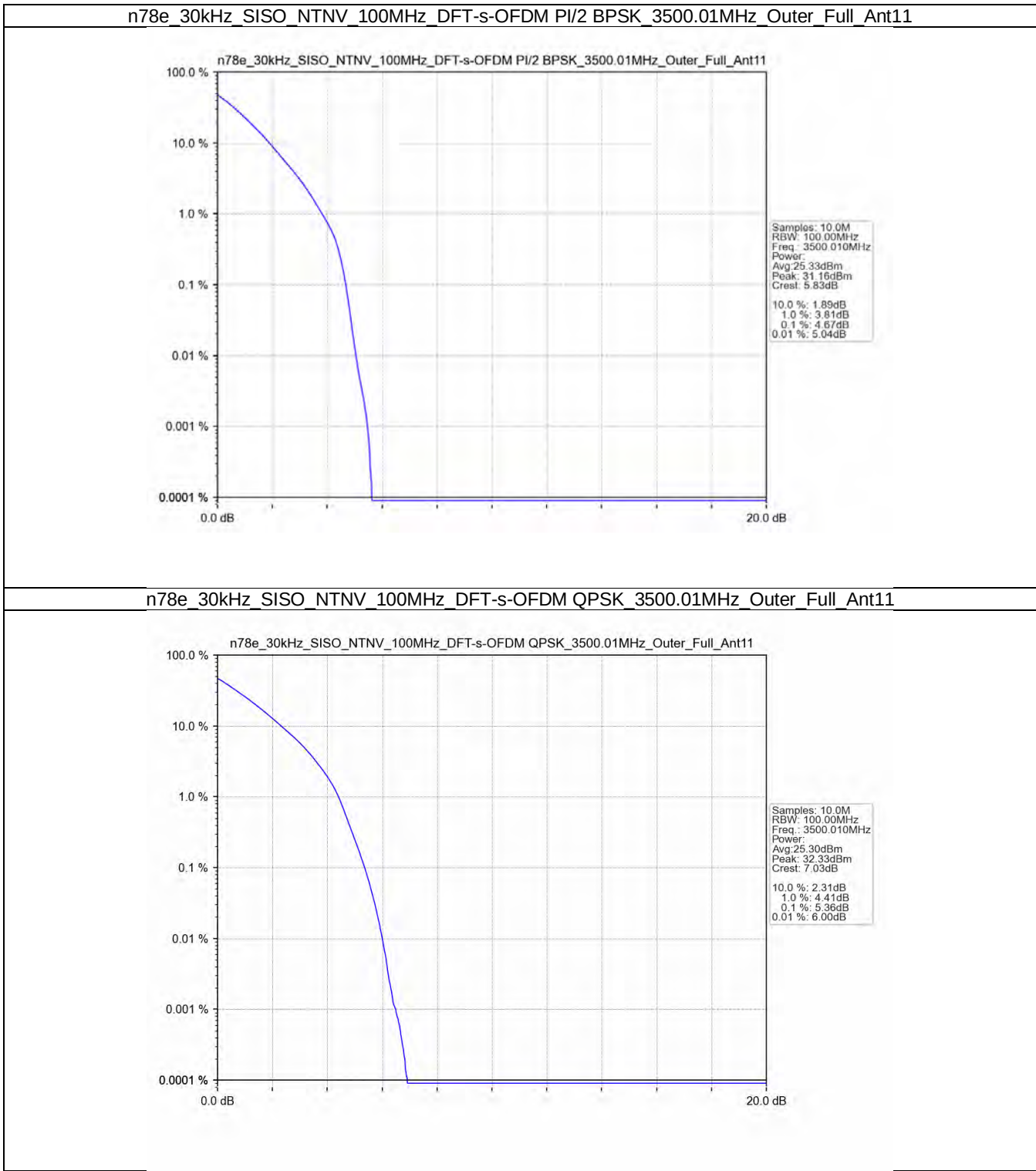
4.1 Test Result

4.1.1 30k_SISO_100MHz_NTNV

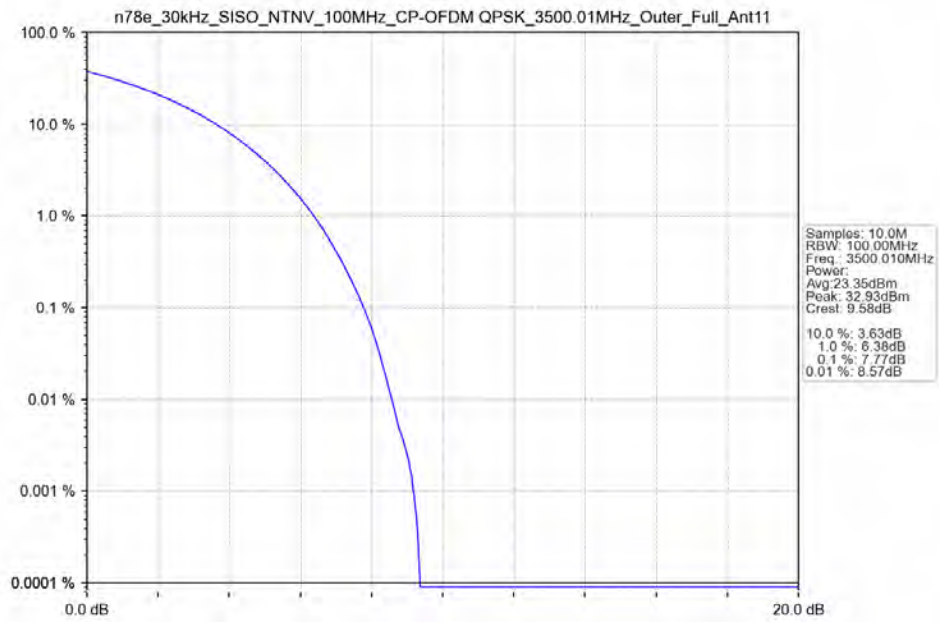
5G NR n78e SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	4.67	/	/	<=13	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	5.36	/	/	<=13	Pass
CP-OFDM QPSK	3500.01	Outer_Full	7.77	/	/	<=13	Pass

4.2 Test Graph

4.2.1 30k_SISO_100MHz_NTNV



n78e 30kHz SISO NTV 100MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant11



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
			Ant11	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
			Ant11	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

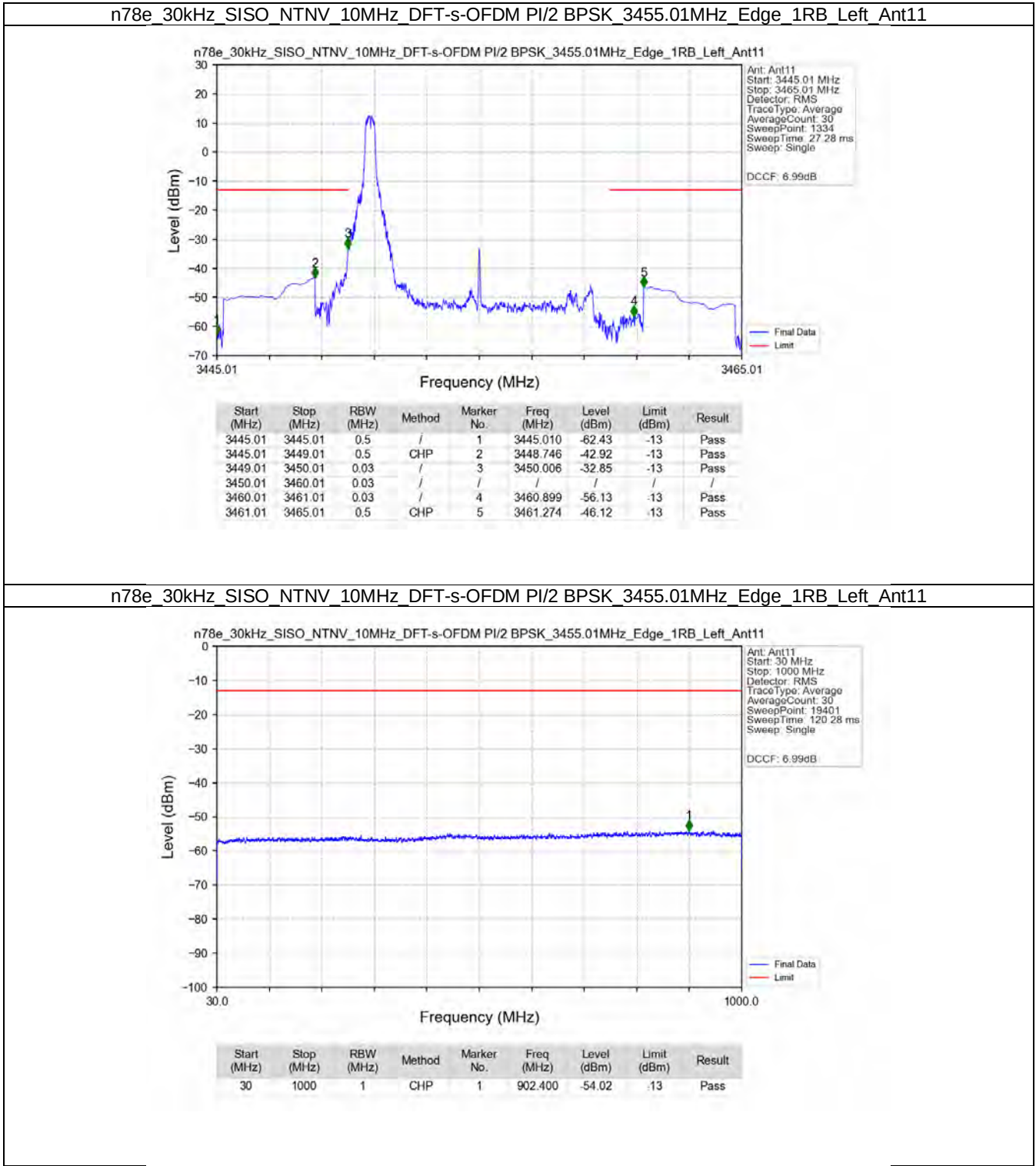
5.1.3 30k_SISO_100MHz_NTNV

5G NR n78e SCS=30kHz SISO 100MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Edge 1RB Left	Refer To Test Graph				Pass

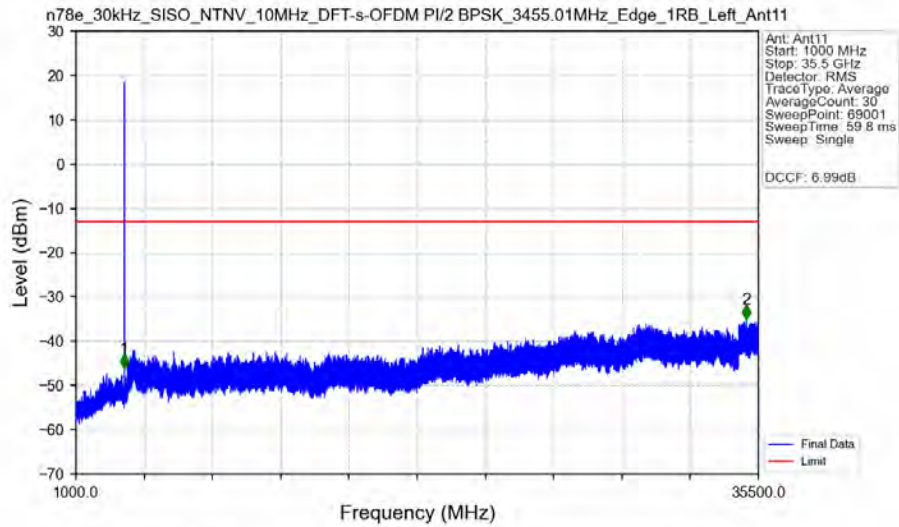
		Outer_Full	Refer To Test Graph	Pass
DFT-s-OFDM QPSK	3500.01	Edge_1RB_Left	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass

5.2 Test Graph

5.2.1 30k_SISO_10MHz_NTNV

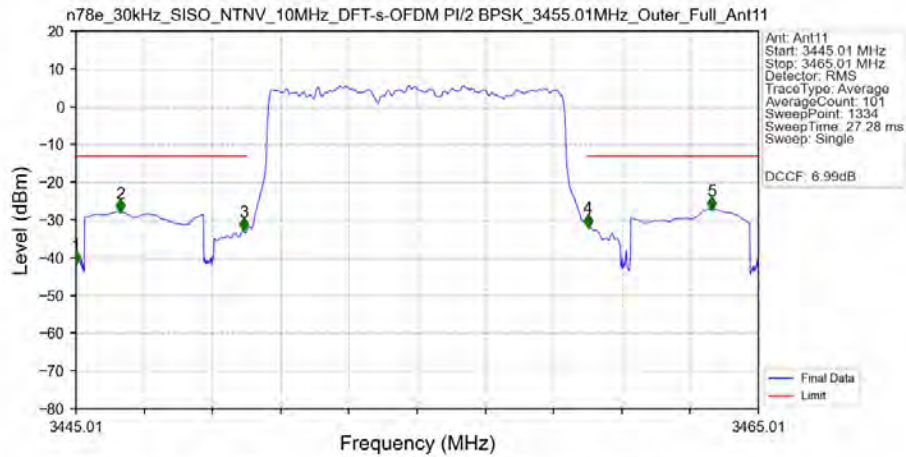


n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3455.01MHz Edge 1RB Left Ant11



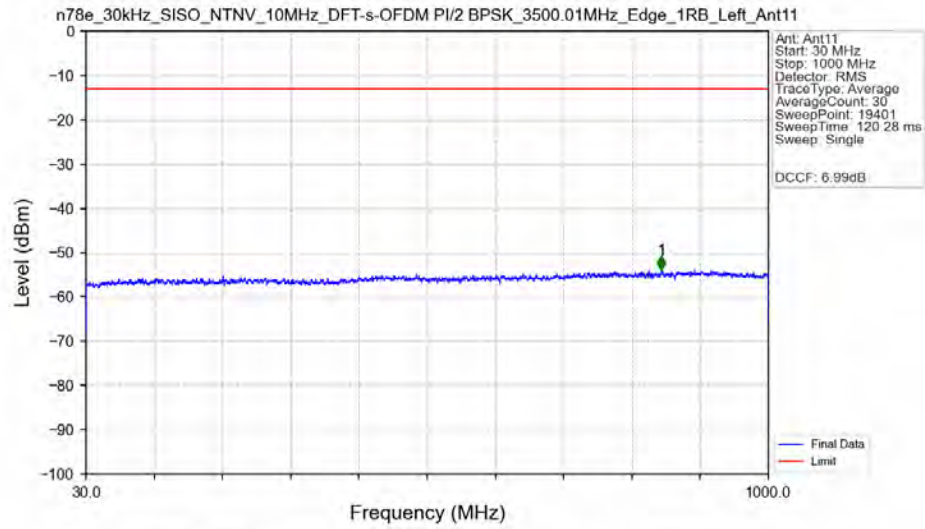
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3445.000	-46.06	-13	Pass
3445.01	3465.01	1	/	/	/	/	/	/
3465.01	35500	1	/	2	34899.000	-35.02	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3455.01MHz Outer_Full Ant11

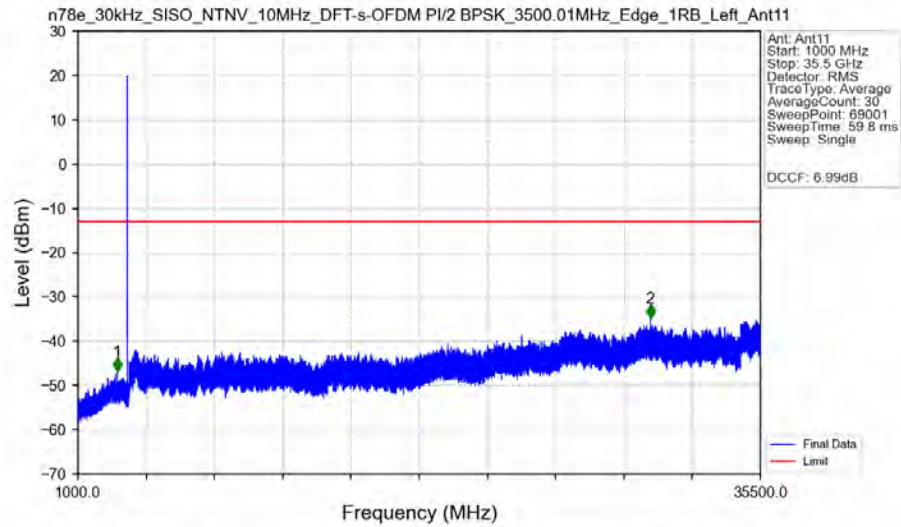


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-41.41	-13	Pass
3445.01	3449.01	0.5	CHP	2	3446.315	-27.78	-13	Pass
3449.01	3450.01	0.09519	CHP	3	3449.916	-32.70	-13	Pass
3450.01	3460.01	0.09519	CHP	/	/	/	/	/
3460.01	3461.01	0.09519	CHP	4	3460.014	-31.69	-13	Pass
3461.01	3465.01	0.5	CHP	5	3463.630	-27.07	-13	Pass

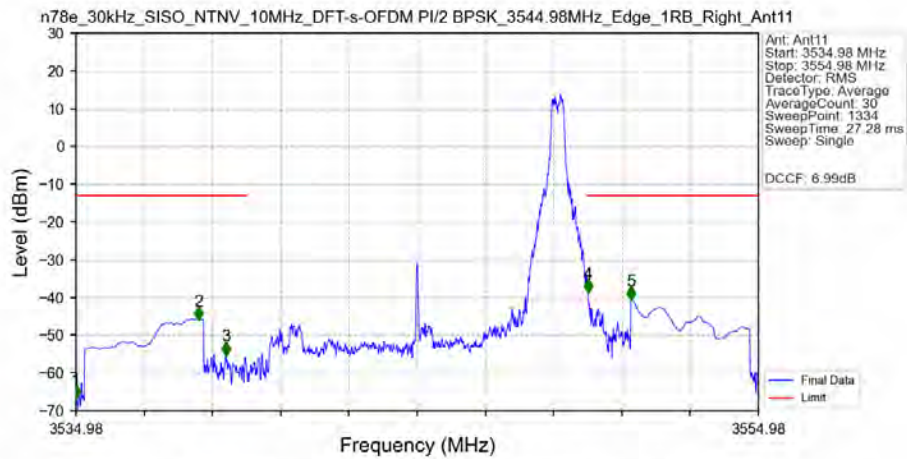
n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left Ant11



n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left Ant11

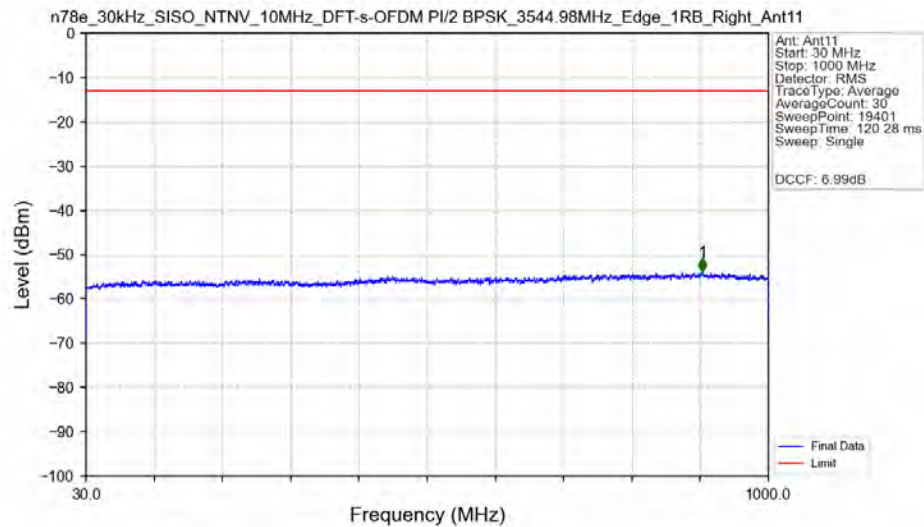


n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3544.98MHz Edge 1RB Right Ant11



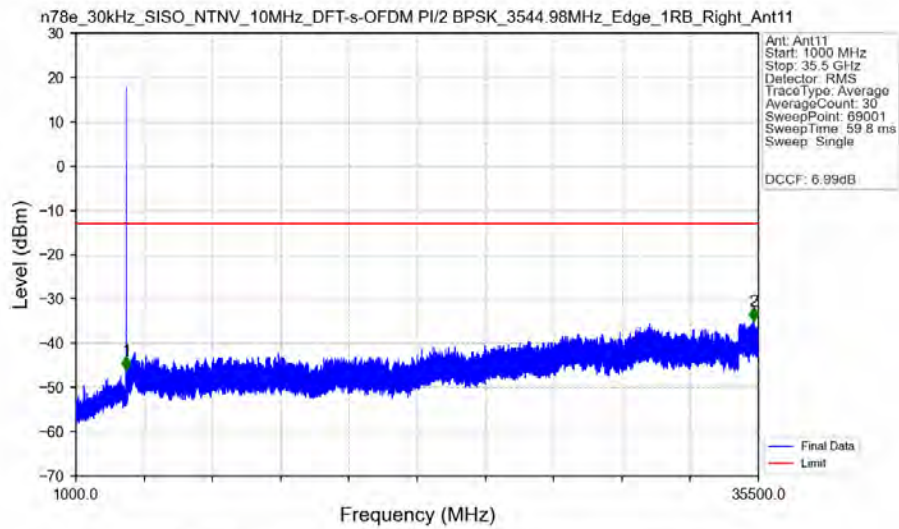
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-66.49	-13	Pass
3534.98	3538.98	0.5	CHP	2	3538.581	-45.69	-13	Pass
3538.98	3539.98	0.03	/	3	3539.376	-55.05	-13	Pass
3539.98	3549.98	0.03	/	/	/	/	/	/
3549.98	3550.98	0.03	/	4	3549.984	-38.56	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.244	-40.41	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3544.98MHz Edge 1RB Right Ant11



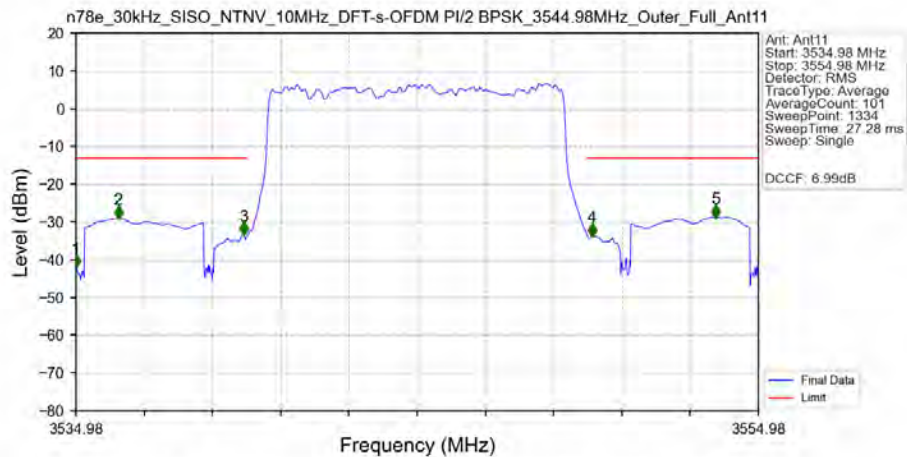
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	906.200	-53.85	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3544.98MHz Edge 1RB Right Ant11



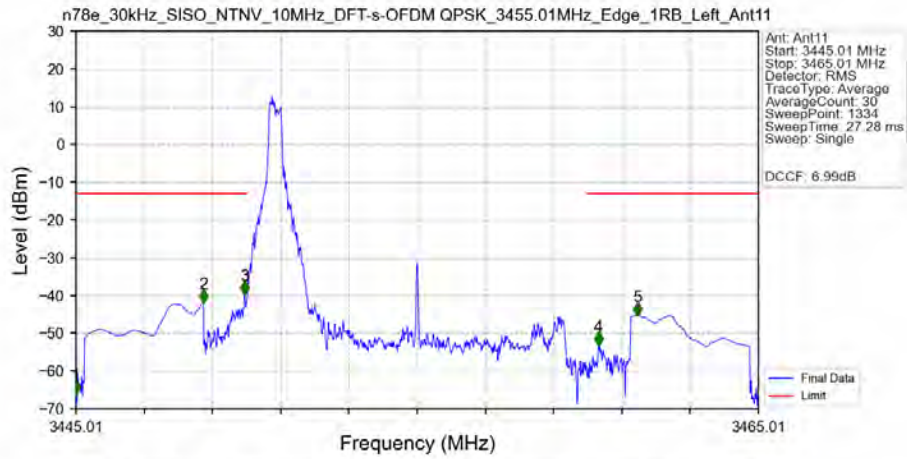
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3534.98	1	/	1	3534.500	-46.07	-13	Pass
3534.98	3554.98	1	/	/	/	/	/	/
3554.98	35500	1	/	2	35270.000	-34.97	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3544.98MHz Outer_Full_Ant11



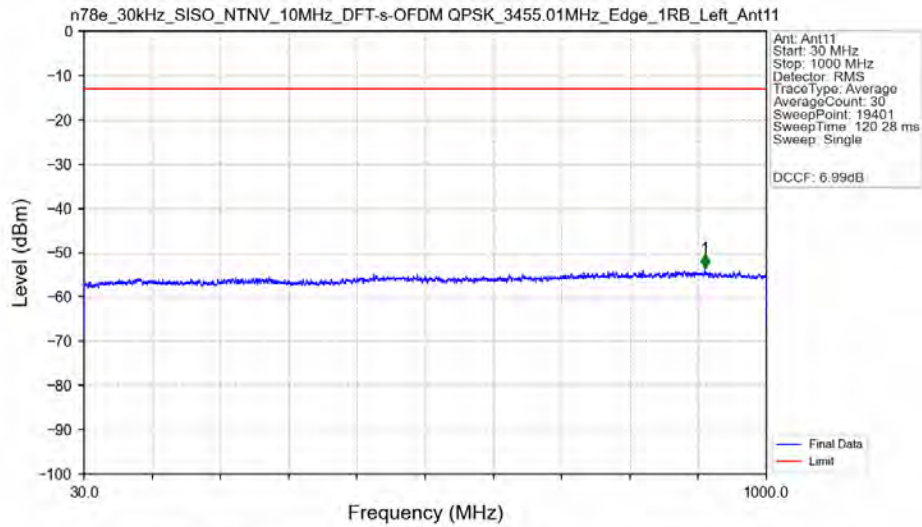
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-41.90	-13	Pass
3534.98	3538.98	0.5	CHP	2	3536.225	-28.91	-13	Pass
3538.98	3539.98	0.0954	CHP	3	3539.886	-33.30	-13	Pass
3539.98	3549.98	0.0954	CHP	/	/	/	/	/
3549.98	3550.98	0.0954	CHP	4	3550.104	-33.65	-13	Pass
3550.98	3554.98	0.5	CHP	5	3553.735	-28.73	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3455.01MHz Edge 1RB Left Ant11



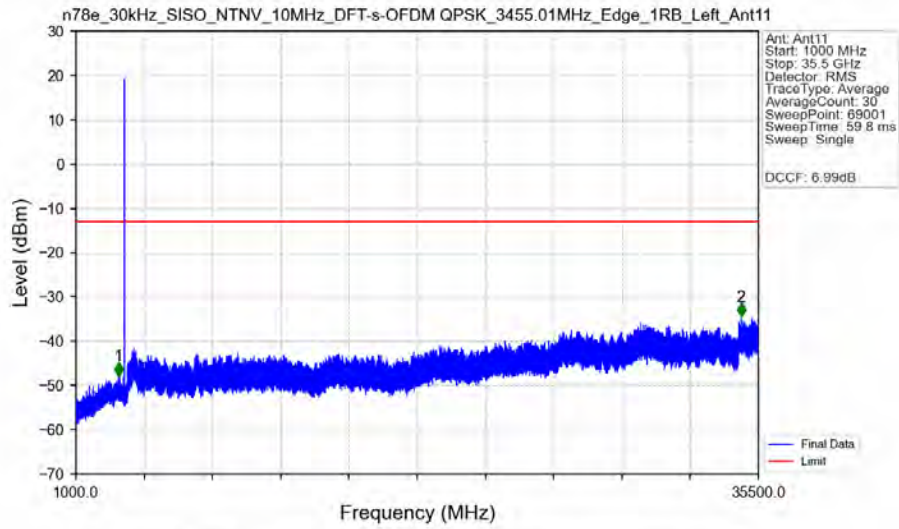
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-65.77	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.746	-41.76	-13	Pass
3449.01	3450.01	0.03	/	3	3449.946	-39.62	-13	Pass
3450.01	3460.01	0.03	/	/	/	/	/	/
3460.01	3461.01	0.03	/	4	3460.329	-53.04	-13	Pass
3461.01	3465.01	0.5	CHP	5	3461.454	-45.16	-13	Pass

n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3455.01MHz Edge 1RB Left Ant11



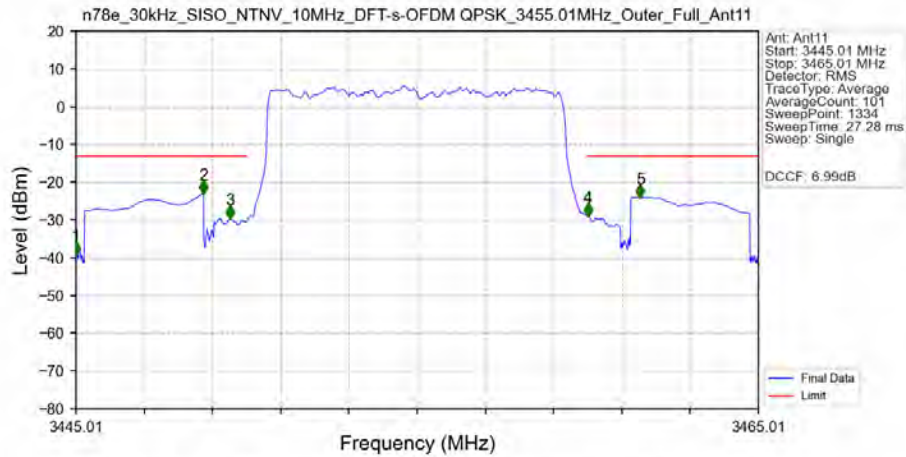
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	912.350	-53.57	-13	Pass

n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3455.01MHz_Edge_1RB_Left_Ant11



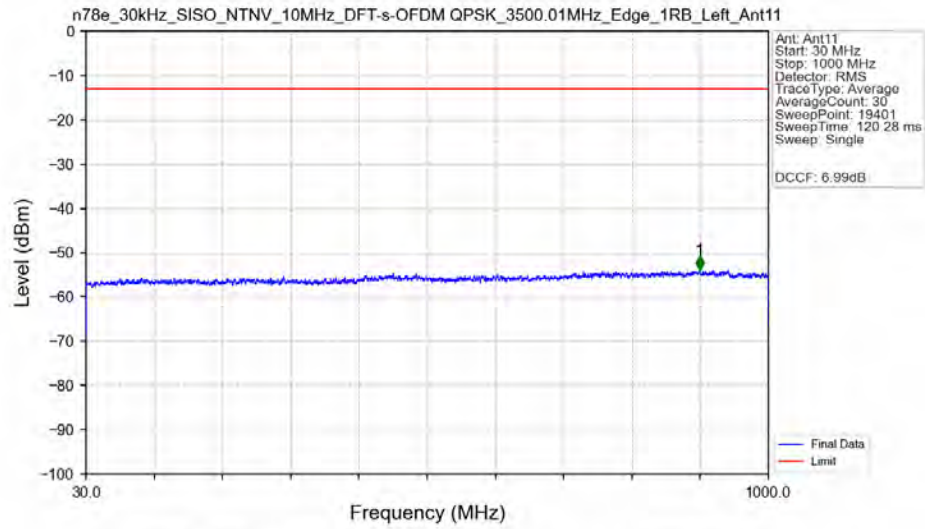
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3154.500	-47.81	-13	Pass
3445.01	3465.01	1	/	/	/	/	/	/
3465.01	35500	1	/	2	34625.500	-34.41	-13	Pass

n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3455.01MHz_Outer_Full_Ant11

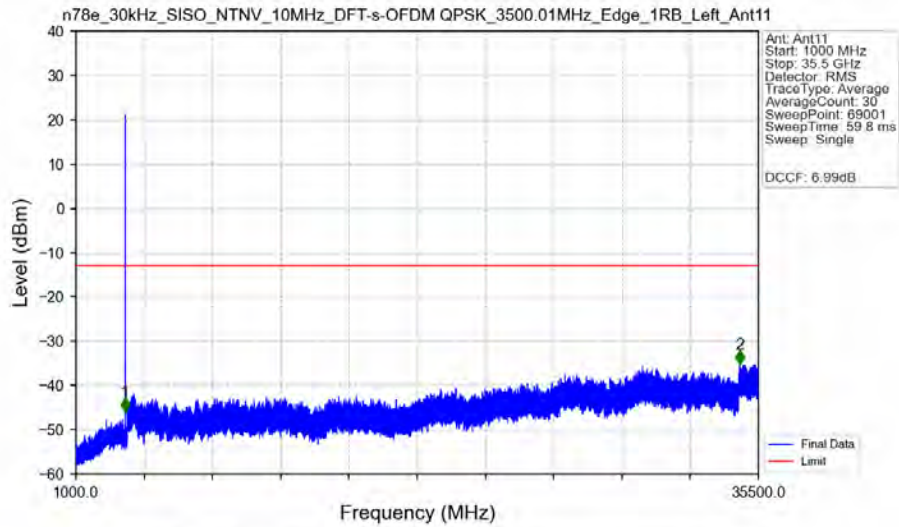


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-38.99	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.746	-22.83	-13	Pass
3449.01	3450.01	0.09519	CHP	3	3449.526	-29.53	-13	Pass
3450.01	3460.01	0.09519	CHP	/	/	/	/	/
3460.01	3461.01	0.09519	CHP	4	3460.014	-28.88	-13	Pass
3461.01	3465.01	0.5	CHP	5	3461.544	-23.99	-13	Pass

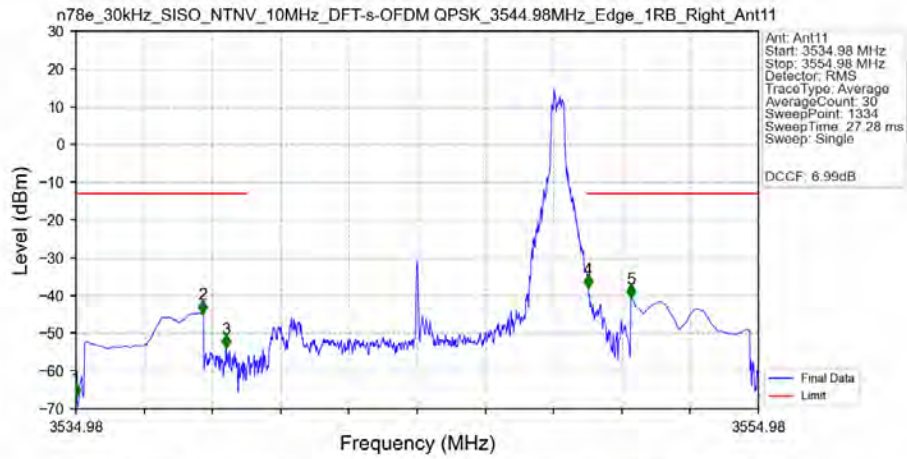
n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant11



n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant11

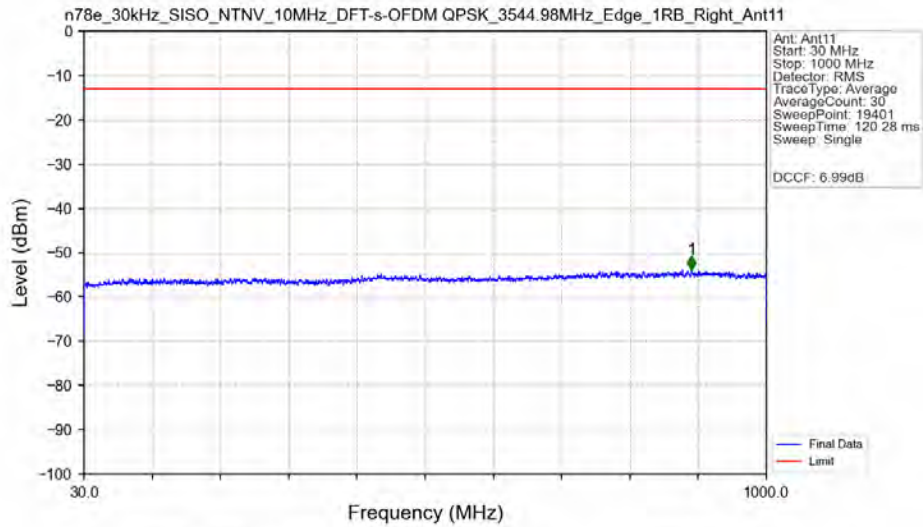


n78e 30kHz SISO NTNv 10MHz DFT-s-OFDM QPSK 3544.98MHz Edge 1RB Right Ant11



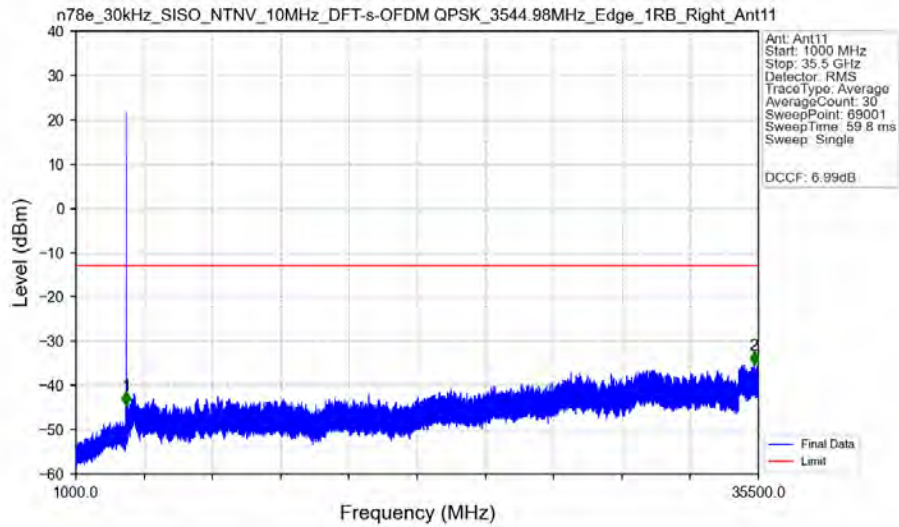
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-66.61	-13	Pass
3534.98	3538.98	0.5	CHP	2	3538.701	-44.56	-13	Pass
3538.98	3539.98	0.03	/	3	3539.376	-53.72	-13	Pass
3539.98	3549.98	0.03	/	/	/	/	/	/
3549.98	3550.98	0.03	/	4	3549.984	-37.79	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.244	-40.38	-13	Pass

n78e 30kHz SISO NTNv 10MHz DFT-s-OFDM QPSK 3544.98MHz Edge 1RB Right Ant11



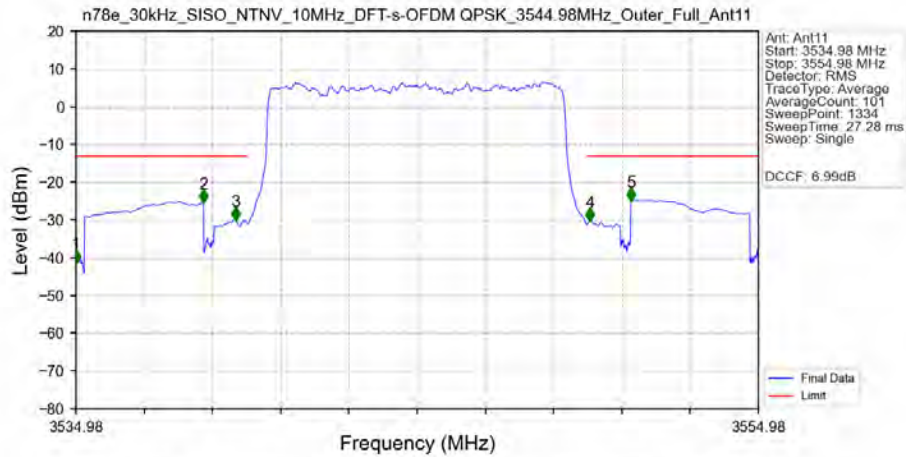
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	893.450	-53.77	-13	Pass

n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3544.98MHz_Edge_1RB_Right_Ant11



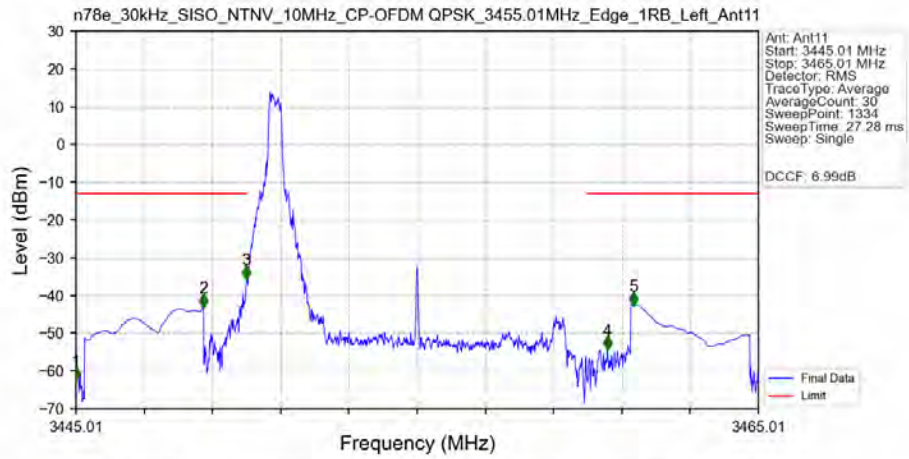
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3534.98	1	/	1	3534.500	-44.54	-13	Pass
3534.98	3554.98	1	/	/	/	/	/	/
3554.98	35500	1	/	2	35280.500	-35.32	-13	Pass

n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3544.98MHz_Outer_Full_Ant11



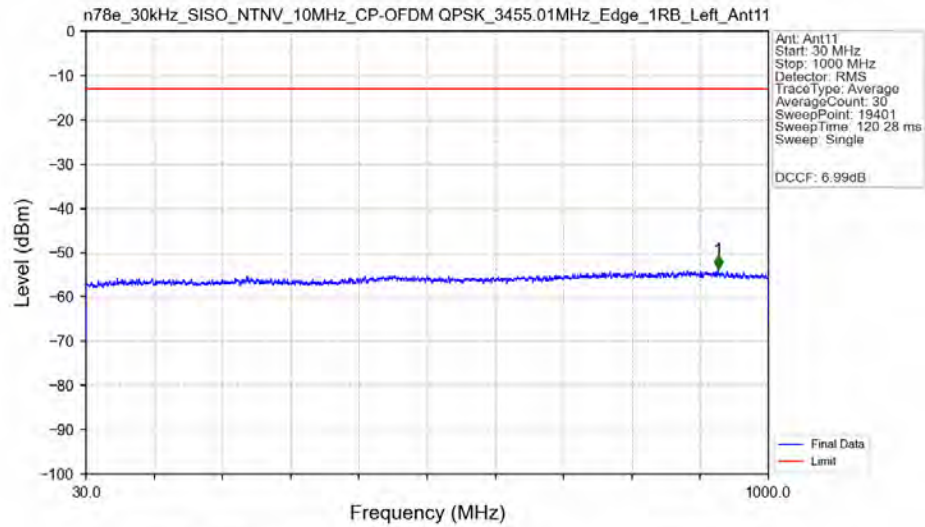
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-41.12	-13	Pass
3534.98	3538.98	0.5	CHP	2	3538.716	-25.17	-13	Pass
3538.98	3539.98	0.09505	CHP	3	3539.661	-29.89	-13	Pass
3539.98	3549.98	0.09505	CHP	/	/	/	/	/
3549.98	3550.98	0.09505	CHP	4	3550.044	-30.13	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.244	-24.77	-13	Pass

n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3455.01MHz_Edge_1RB_Left_Ant11



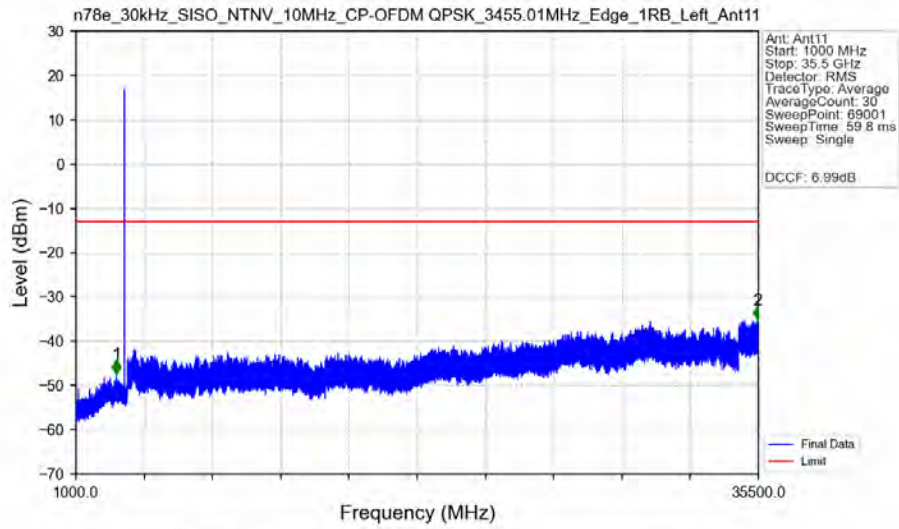
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-62.18	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.746	-42.86	-13	Pass
3449.01	3450.01	0.03	/	3	3450.006	-35.43	-13	Pass
3450.01	3460.01	0.03	/	/	/	/	/	/
3460.01	3461.01	0.03	/	4	3460.584	-54.10	-13	Pass
3461.01	3465.01	0.5	CHP	5	3461.334	-42.45	-13	Pass

n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3455.01MHz_Edge_1RB_Left_Ant11



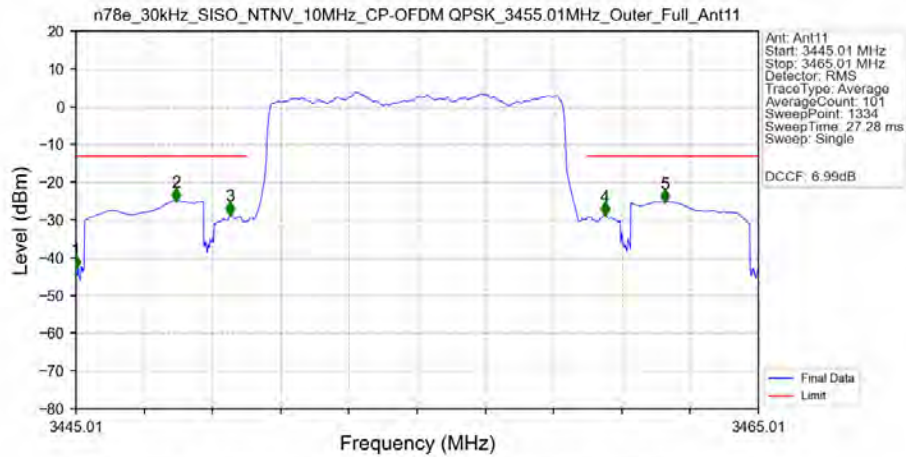
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	928.650	-53.72	-13	Pass

n78e 30kHz SISO NTV 10MHz CP-OFDM QPSK 3455.01MHz Edge 1RB Left Ant11



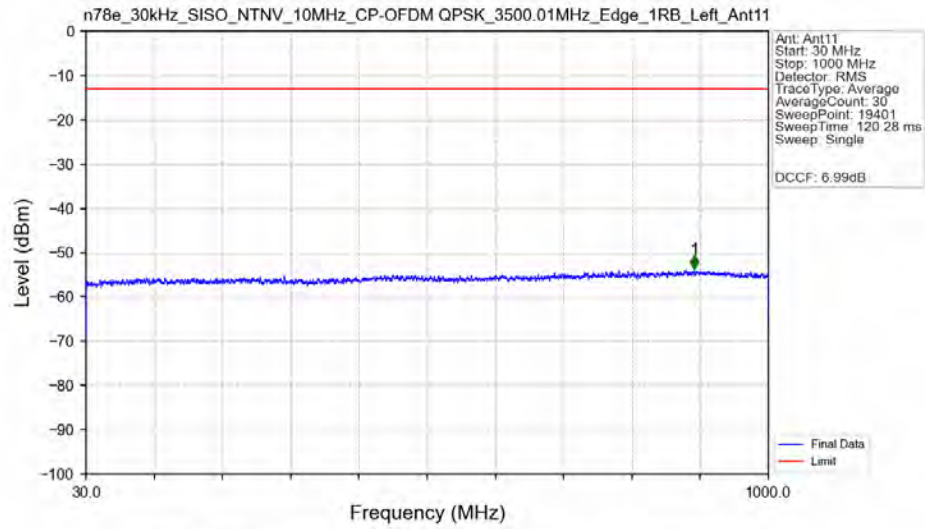
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3056.000	-47.32	-13	Pass
3445.01	3465.01	1	/	/	/	/	/	/
3465.01	35500	1	/	2	35447.000	-35.17	-13	Pass

n78e 30kHz SISO NTV 10MHz CP-OFDM QPSK 3455.01MHz Outer_Full Ant11

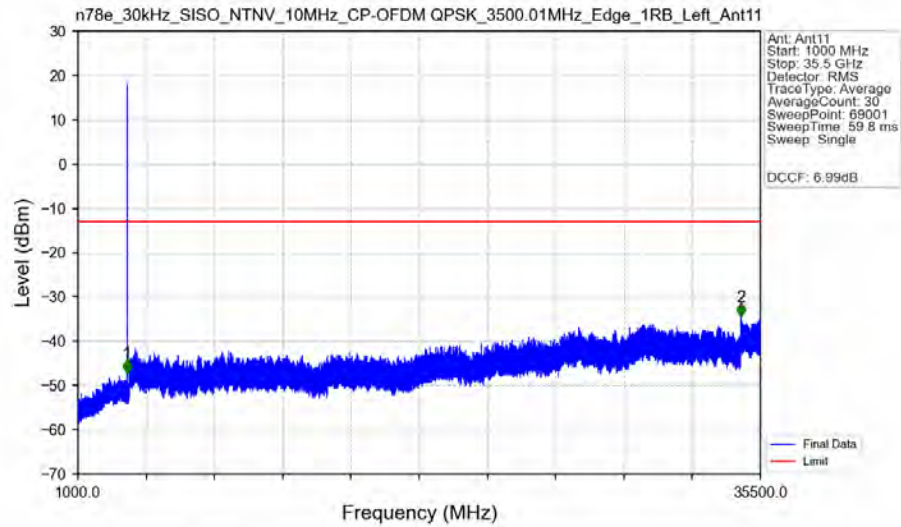


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-42.60	-13	Pass
3445.01	3449.01	0.5	CHP	2	3447.951	-24.88	-13	Pass
3449.01	3450.01	0.09505	CHP	3	3449.526	-28.52	-13	Pass
3450.01	3460.01	0.09505	CHP	/	/	/	/	/
3460.01	3461.01	0.09505	CHP	4	3460.509	-28.57	-13	Pass
3461.01	3465.01	0.5	CHP	5	3462.264	-25.22	-13	Pass

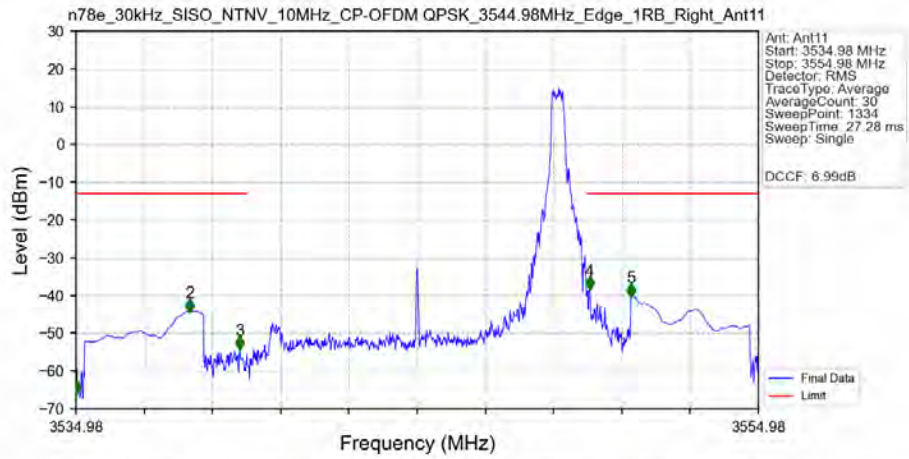
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant11



n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant11

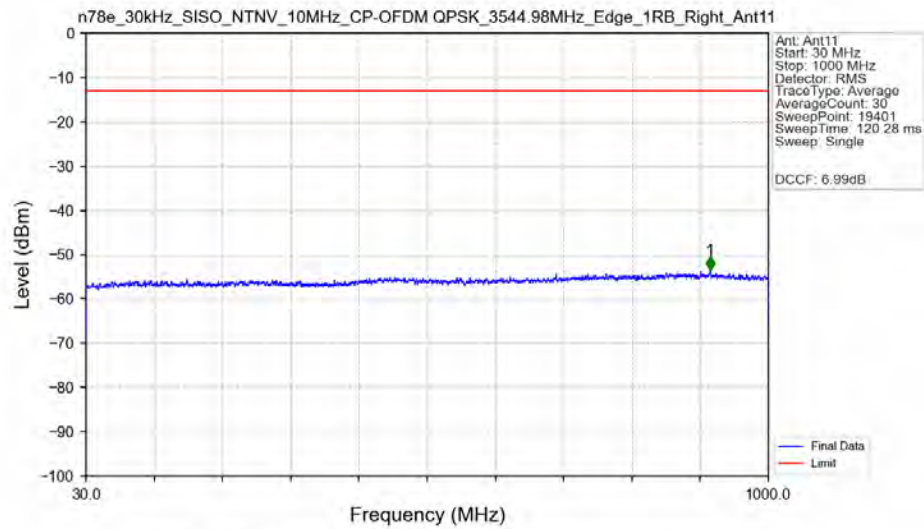


n78e 30kHz SISO NTN 10MHz CP-OFDM QPSK 3544.98MHz Edge 1RB Right Ant11



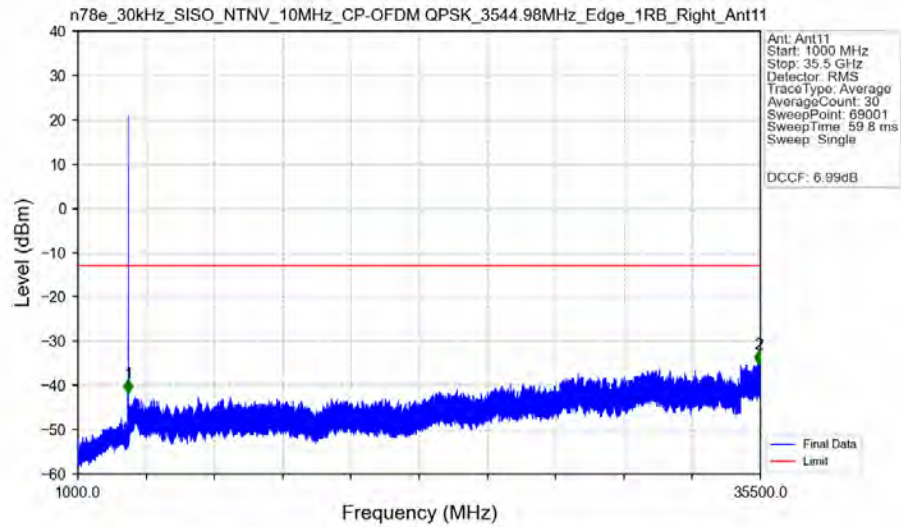
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-65.82	-13	Pass
3534.98	3538.98	0.5	CHP	2	3538.311	-44.18	-13	Pass
3538.98	3539.98	0.03	/	3	3539.781	-54.16	-13	Pass
3539.98	3549.98	0.03	/	/	/	/	/	/
3549.98	3550.98	0.03	/	4	3550.029	-38.28	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.244	-40.11	-13	Pass

n78e 30kHz SISO NTN 10MHz CP-OFDM QPSK 3544.98MHz Edge 1RB Right Ant11



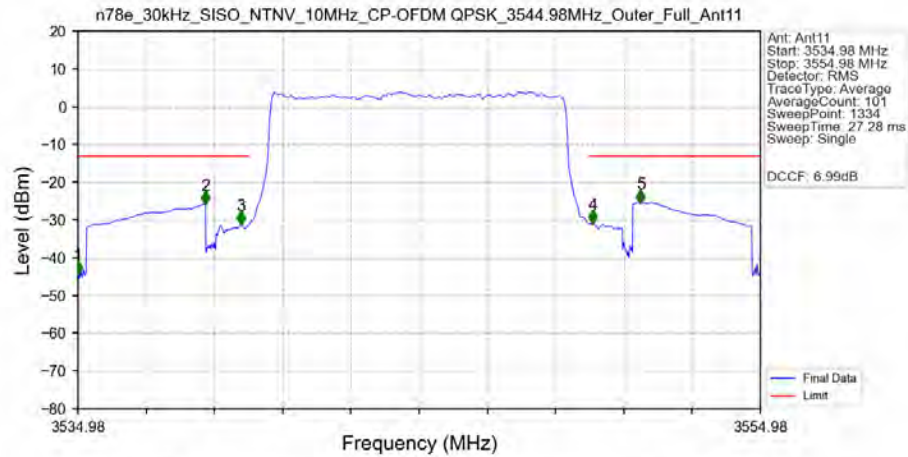
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	917.300	-53.57	-13	Pass

n78e 30kHz SISO NTV 10MHz CP-OFDM QPSK 3544.98MHz Edge 1RB Right Ant11



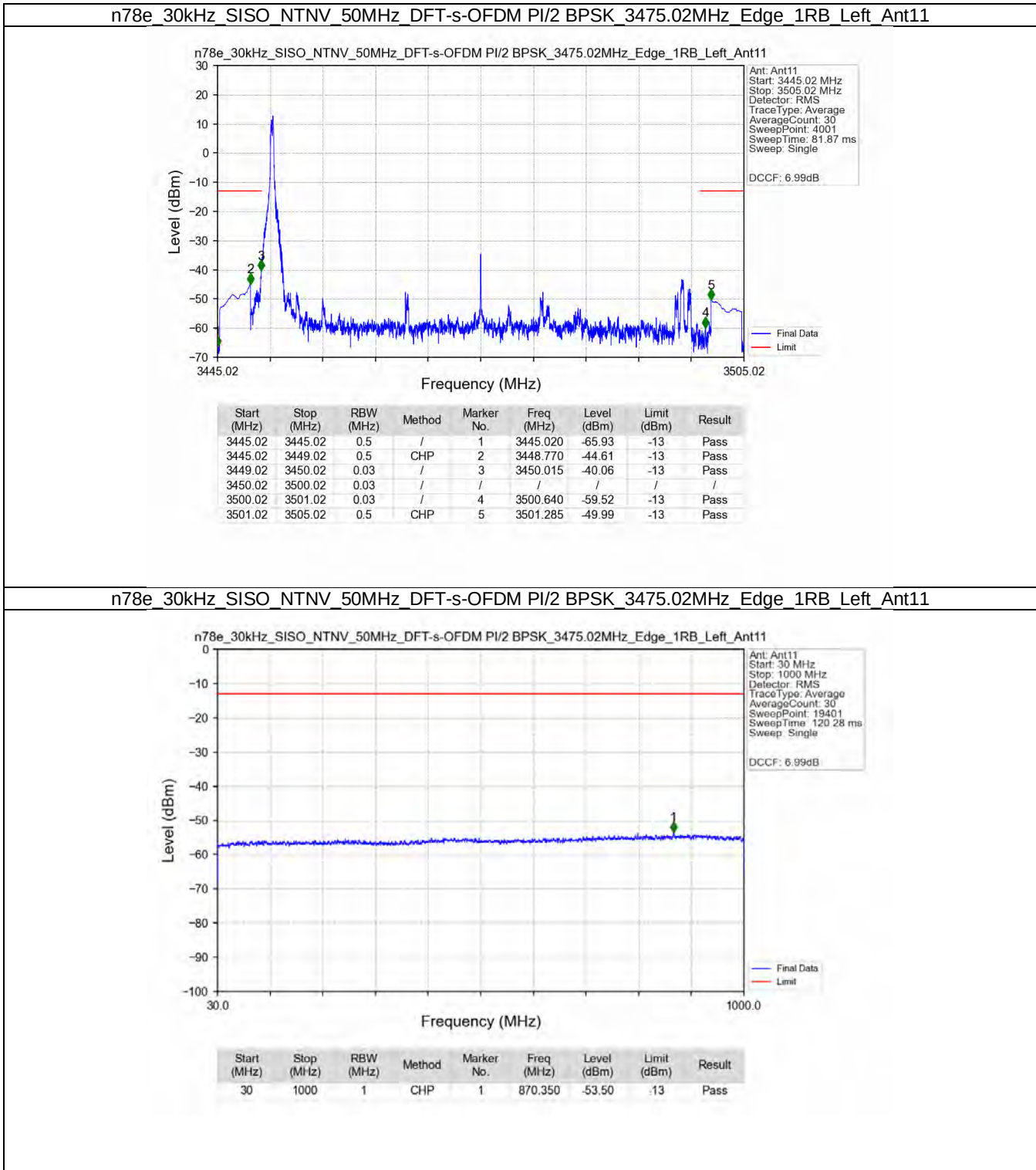
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3534.98	1	/	1	3533.000	-41.73	-13	Pass
3534.98	3554.98	1	/	/	/	/	/	/
3554.98	35500	1	/	2	35413.500	-35.10	-13	Pass

n78e 30kHz SISO NTV 10MHz CP-OFDM QPSK 3544.98MHz Outer_Full Ant11

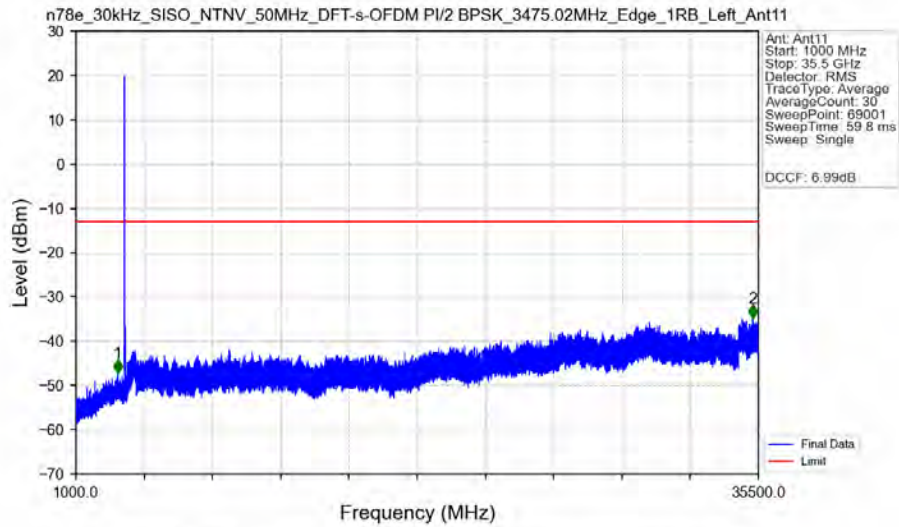


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.98	3534.98	0.5	/	1	3534.980	-44.14	-13	Pass
3534.98	3538.98	0.5	CHP	2	3538.716	-25.69	-13	Pass
3538.98	3539.98	0.09519	CHP	3	3539.751	-31.04	-13	Pass
3539.98	3549.98	0.09519	CHP	/	/	/	/	/
3549.98	3550.98	0.09519	CHP	4	3550.074	-30.74	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.469	-25.29	-13	Pass

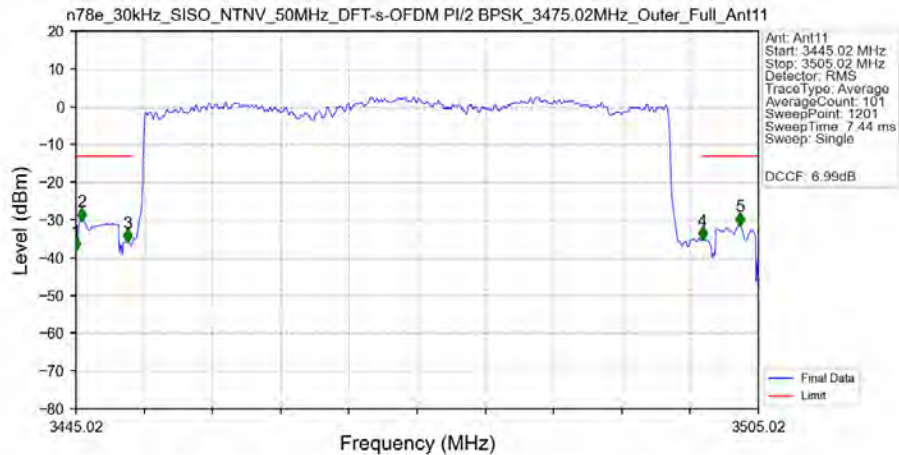
5.2.2 30k_SISO_50MHz_NTNV



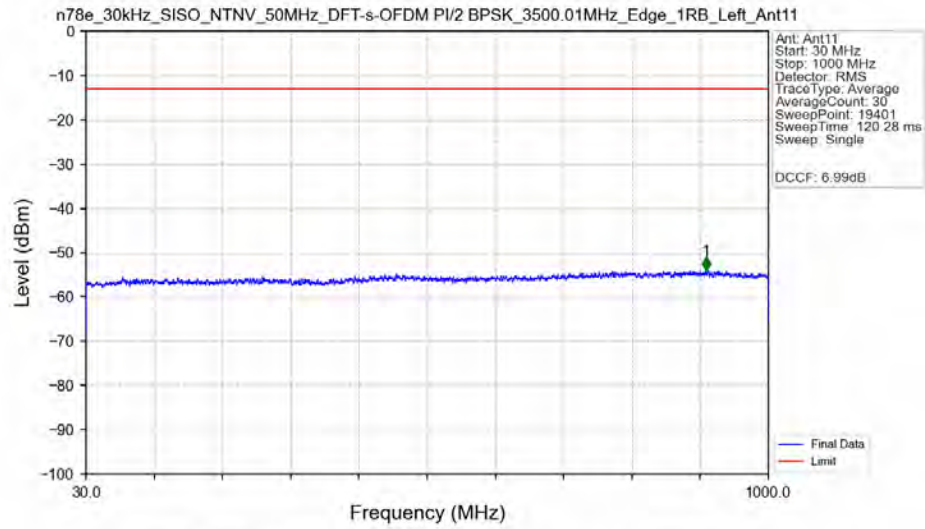
n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3475.02MHz Edge 1RB Left Ant11



n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3475.02MHz Outer_Full Ant11

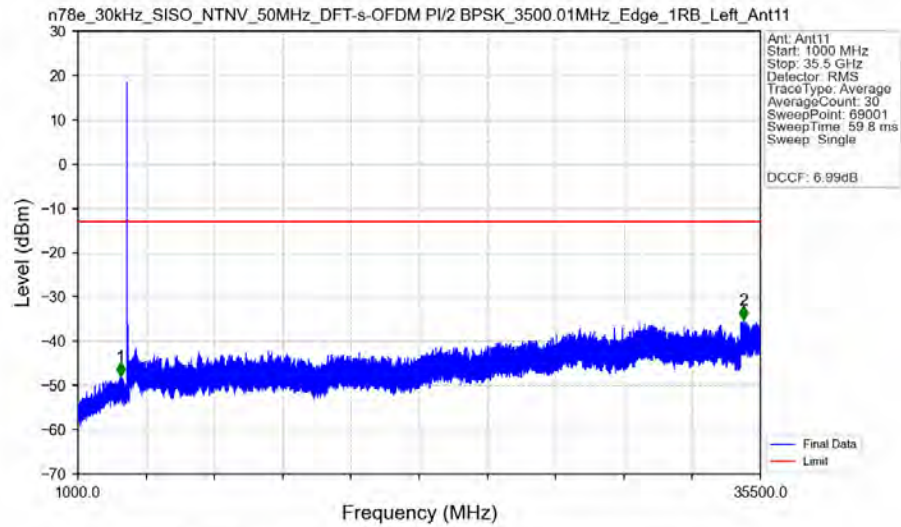


n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left Ant11



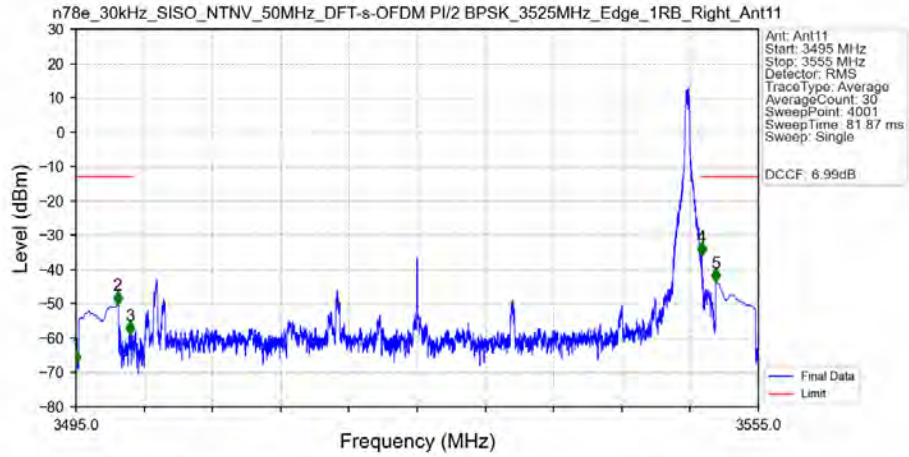
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	911.650	-54.02	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left Ant11



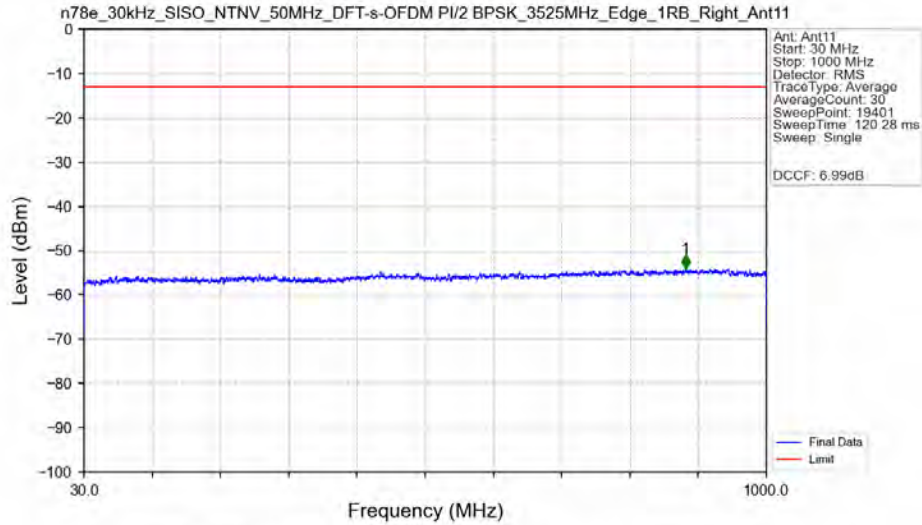
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3470.01	1	/	1	3163.500	-47.83	-13	Pass
3470.01	3530.01	1	/	/	/	/	/	/
3530.01	35500	1	/	2	34657.500	-35.08	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3525MHz Edge 1RB Right Ant11



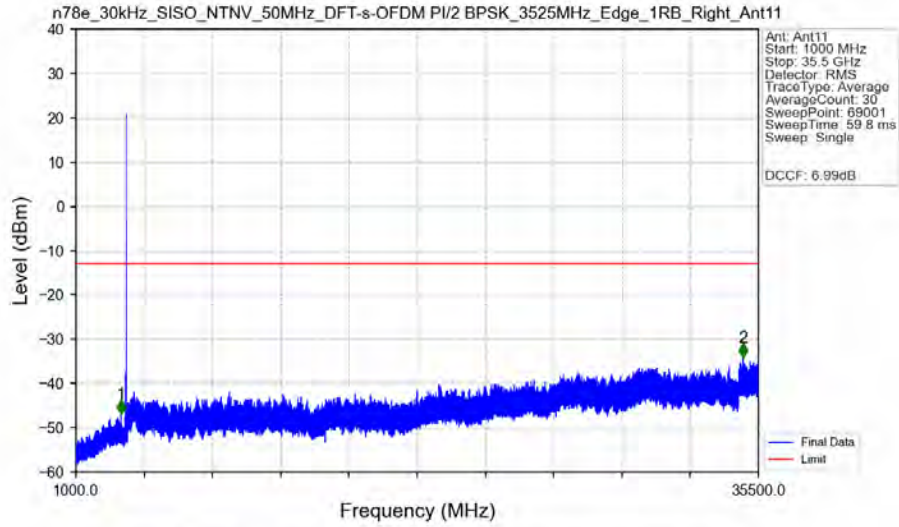
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3495	3495	0.5	/	1	3495.000	-67.12	-13	Pass
3495	3499	0.5	CHP	2	3498.660	-49.91	-13	Pass
3499	3500	0.03	/	3	3499.740	-58.69	-13	Pass
3500	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.020	-35.64	-13	Pass
3551	3555	0.5	CHP	5	3551.250	-43.40	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3525MHz Edge 1RB Right Ant11



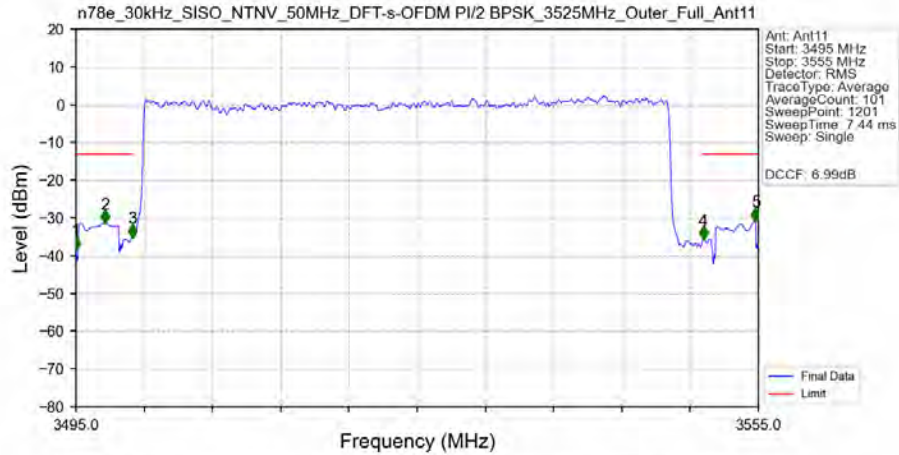
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	885.050	-54.02	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3525MHz Edge 1RB Right Ant11



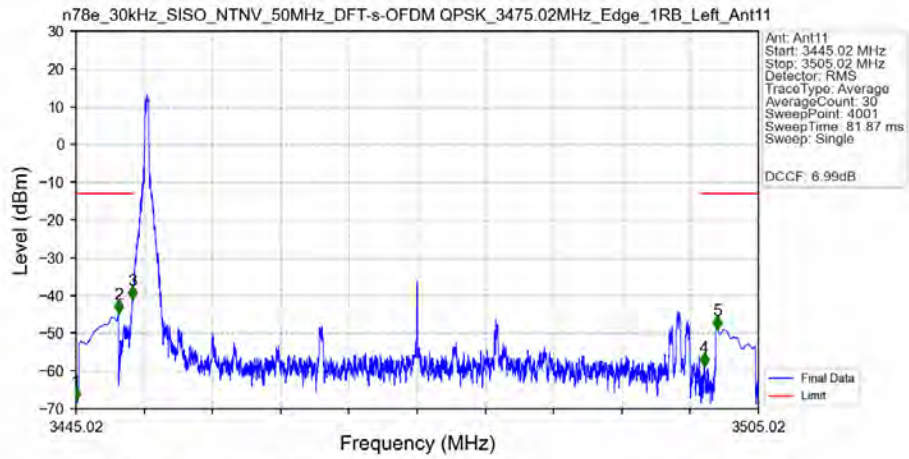
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3495	1	/	1	3272.500	-46.77	-13	Pass
3495	3550	1	/	/	/	/	/	/
3555	35500	1	/	2	34722.500	-34.03	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3525MHz Outer_Full_Ant11



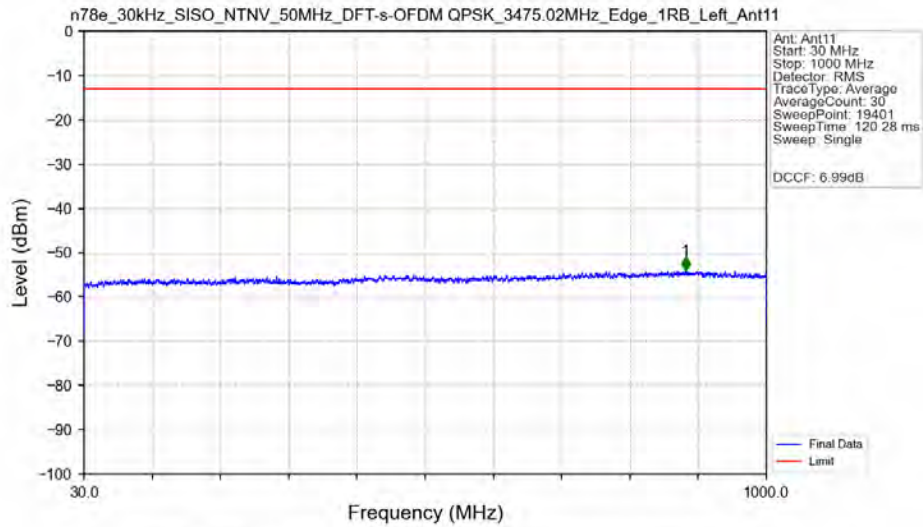
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3495	3495	0.5	/	1	3495.000	-38.16	-13	Pass
3495	3499	0.5	CHP	2	3497.550	-31.16	-13	Pass
3499	3500	0.2	CHP	3	3499.950	-34.92	-13	Pass
3500	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.150	-35.50	-13	Pass
3551	3555	0.5	CHP	5	3554.750	-30.65	-13	Pass

n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3475.02MHz_Edge_1RB_Left_Ant11



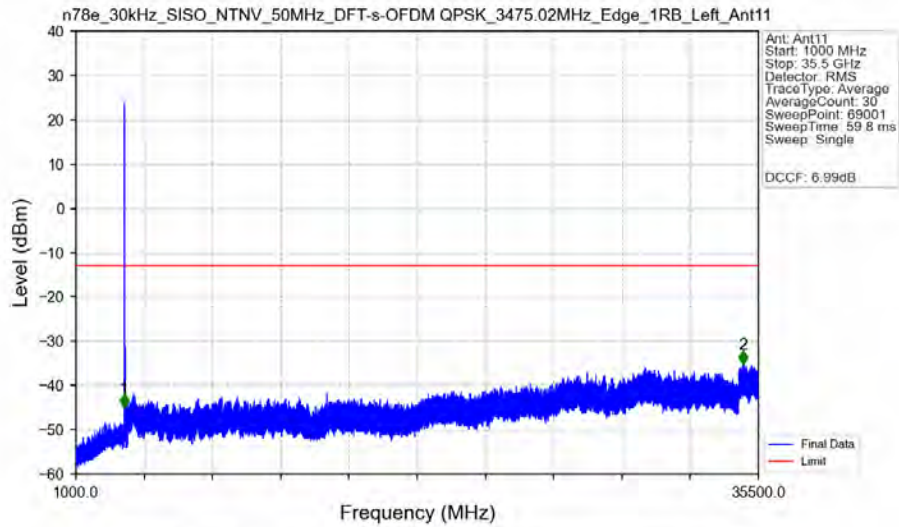
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-67.51	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.770	-44.45	-13	Pass
3449.02	3450.02	0.03	/	3	3450.015	-40.79	-13	Pass
3450.02	3500.02	0.03	/	/	/	/	/	/
3500.02	3501.02	0.03	/	4	3500.235	-58.60	-13	Pass
3501.02	3505.02	0.5	CHP	5	3501.375	-48.81	-13	Pass

n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3475.02MHz_Edge_1RB_Left_Ant11



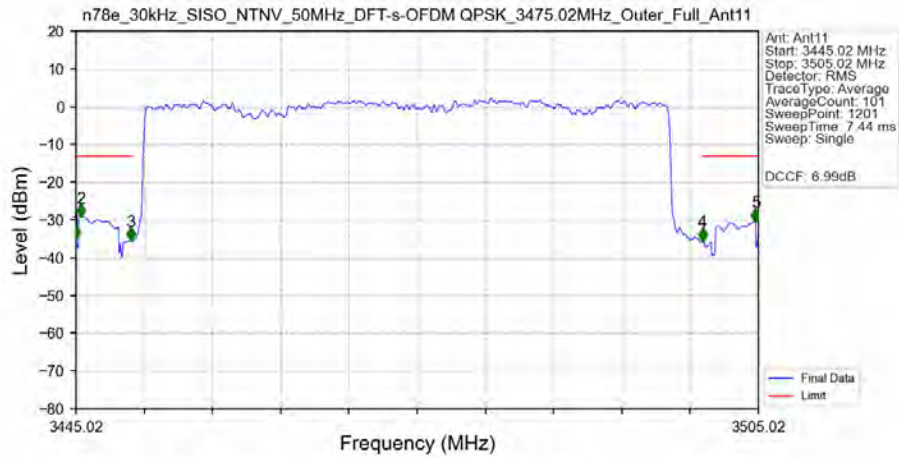
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	885.000	-53.99	-13	Pass

n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3475.02MHz_Edge_1RB_Left_Ant11



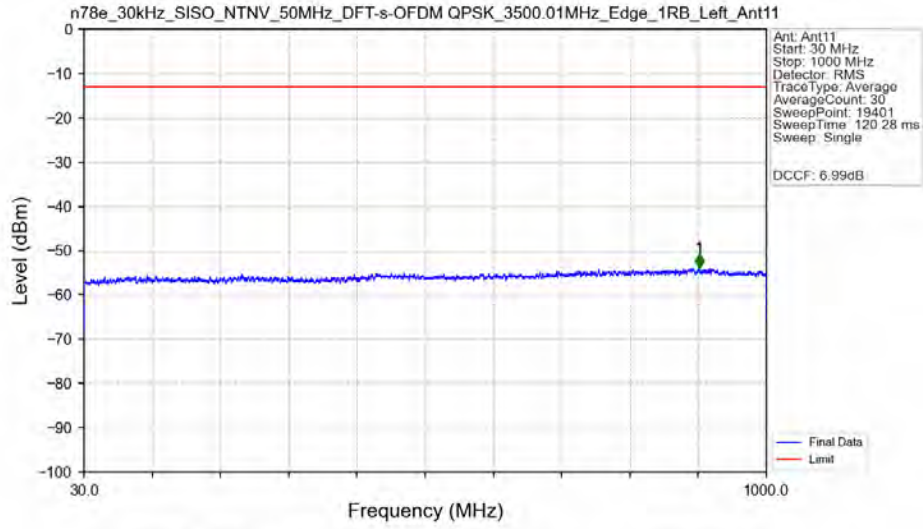
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3427.500	-44.99	-13	Pass
3445.02	3505.02	1	/	/	/	/	/	/
3505.02	35500	1	/	2	34732.000	-35.25	-13	Pass

n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3475.02MHz_Outer_Full_Ant11

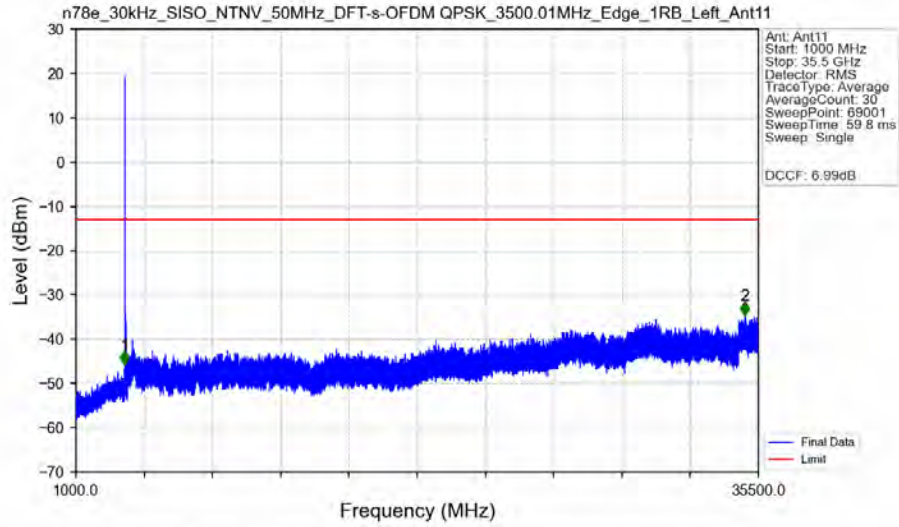


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-34.76	-13	Pass
3445.02	3449.02	0.5	CHP	2	3445.470	-29.09	-13	Pass
3449.02	3450.02	0.2	CHP	3	3449.820	-35.23	-13	Pass
3450.02	3500.02	0.2	CHP	/	/	/	/	/
3500.02	3501.02	0.2	CHP	4	3500.120	-35.38	-13	Pass
3501.02	3505.02	0.5	CHP	5	3504.770	-30.20	-13	Pass

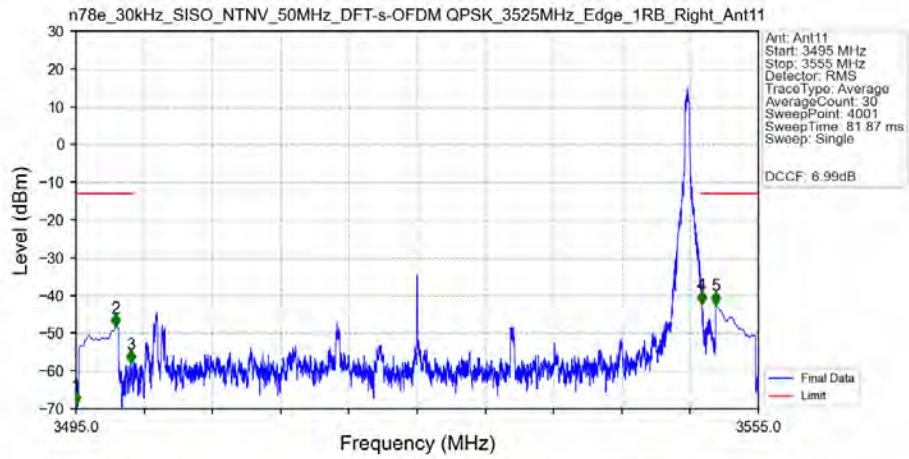
n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant11



n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant11

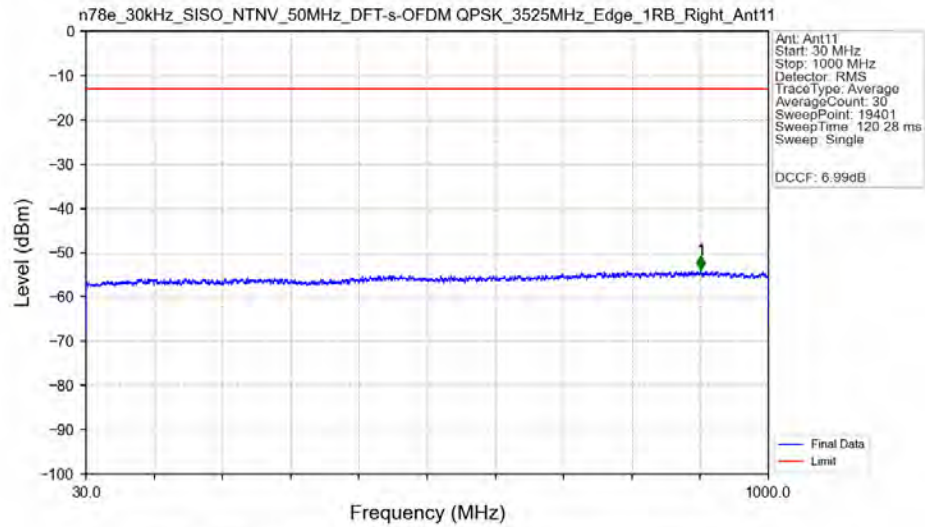


n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3525MHz Edge 1RB Right Ant11



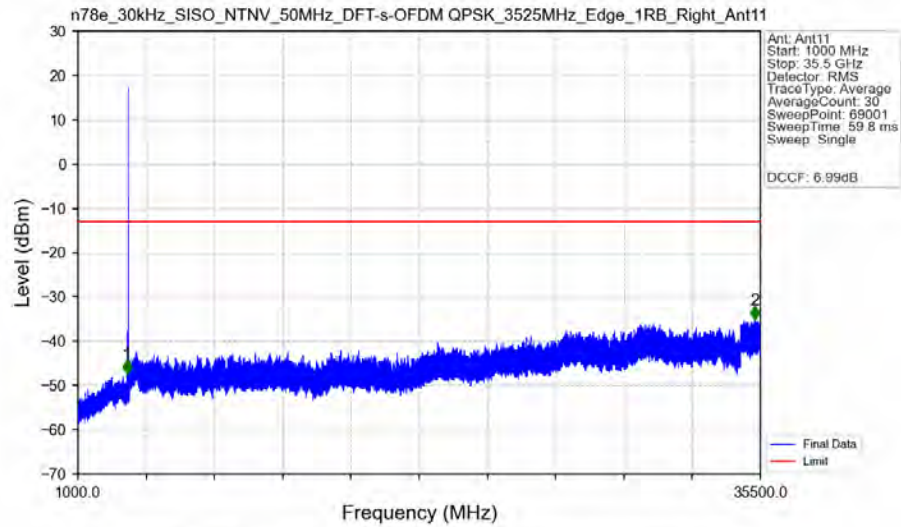
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3495	3495	0.5	/	1	3495.000	-68.55	-13	Pass
3495	3499	0.5	CHP	2	3498.510	-48.14	-13	Pass
3499	3500	0.03	/	3	3499.800	-57.77	-13	Pass
3500	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.005	-42.00	-13	Pass
3551	3555	0.5	CHP	5	3551.250	-42.21	-13	Pass

n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3525MHz Edge 1RB Right Ant11

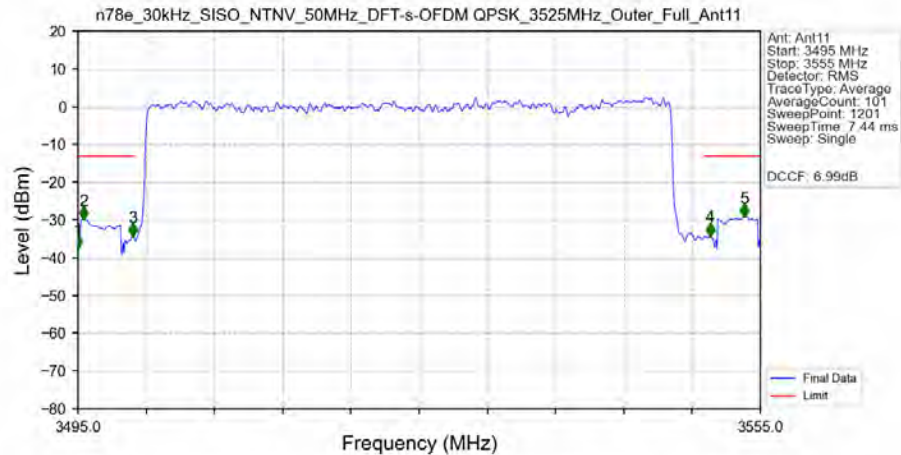


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	903.950	-53.87	-13	Pass

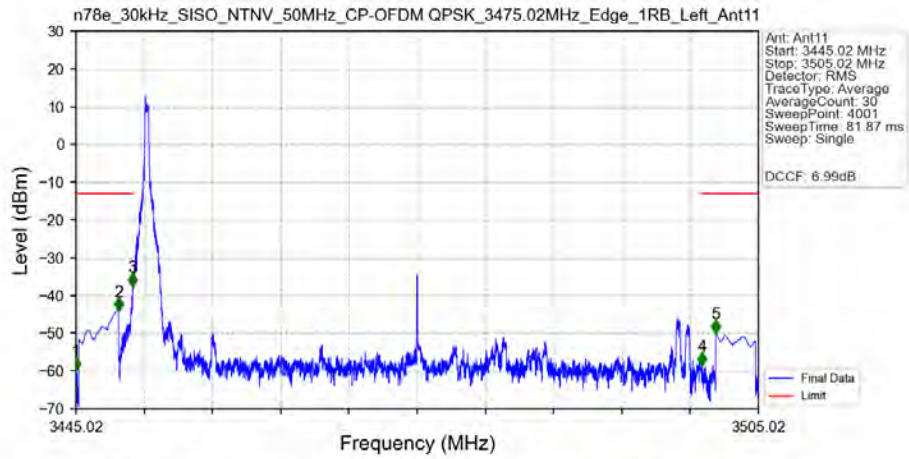
n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3525MHz Edge 1RB Right Ant11



n78e 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3525MHz Outer_Full Ant11

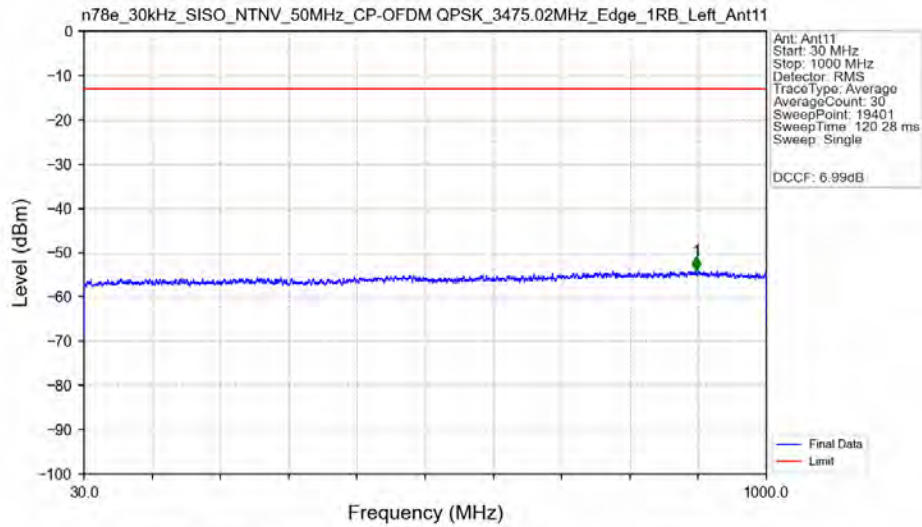


n78e_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.02MHz_Edge_1RB_Left_Ant11



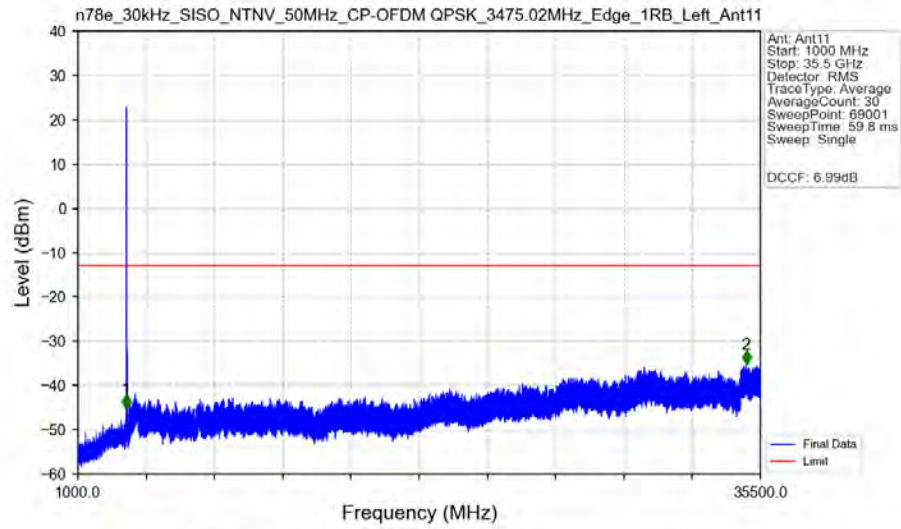
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-59.55	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.770	-43.80	-13	Pass
3449.02	3450.02	0.03	/	3	3450.015	-37.29	-13	Pass
3450.02	3500.02	0.03	/	/	/	/	/	/
3500.02	3501.02	0.03	/	4	3500.070	-58.25	-13	Pass
3501.02	3505.02	0.5	CHP	5	3501.270	-49.68	-13	Pass

n78e_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.02MHz_Edge_1RB_Left_Ant11



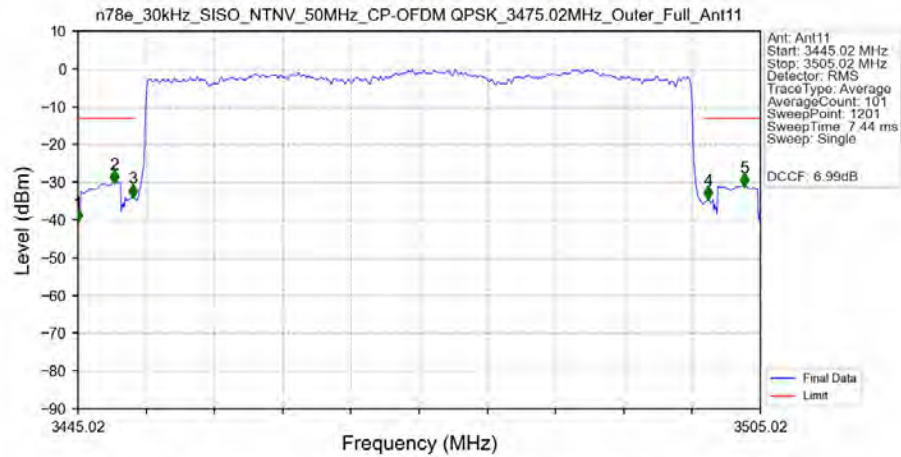
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	900.400	-53.96	-13	Pass

n78e 30kHz SISO NTV 50MHz CP-OFDM QPSK 3475.02MHz Edge 1RB Left Ant11



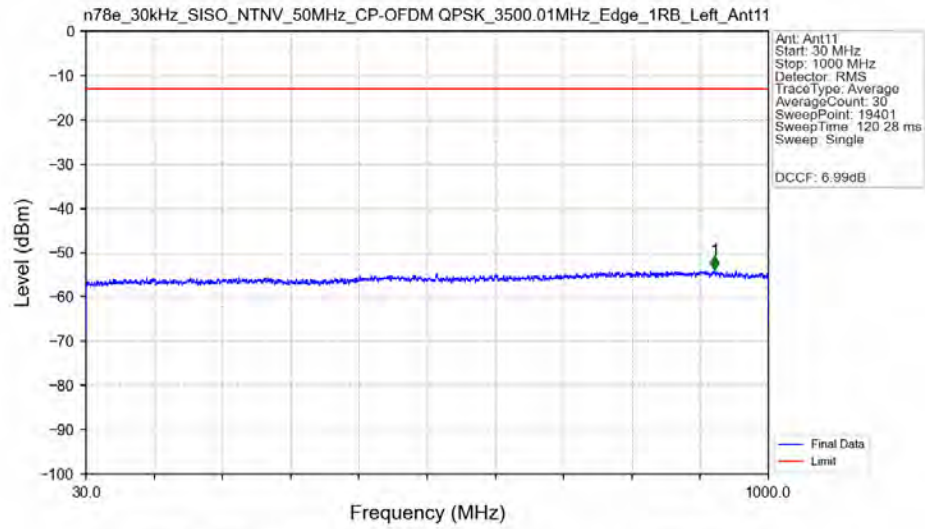
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3427.500	-45.19	-13	Pass
3445.02	3505.02	1	/	/	/	/	/	/
3505.02	35500	1	/	2	34788.500	-35.15	-13	Pass

n78e 30kHz SISO NTV 50MHz CP-OFDM QPSK 3475.02MHz Outer_Full Ant11

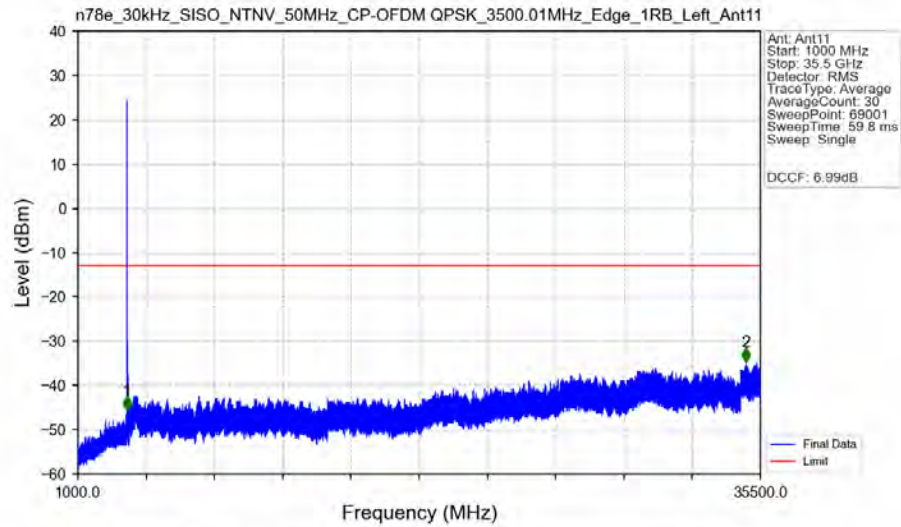


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-40.32	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.220	-30.04	-13	Pass
3449.02	3450.02	0.2	CHP	3	3449.820	-33.82	-13	Pass
3450.02	3500.02	0.2	CHP	/	/	/	/	/
3500.02	3501.02	0.2	CHP	4	3500.420	-34.36	-13	Pass
3501.02	3505.02	0.5	CHP	5	3503.620	-30.91	-13	Pass

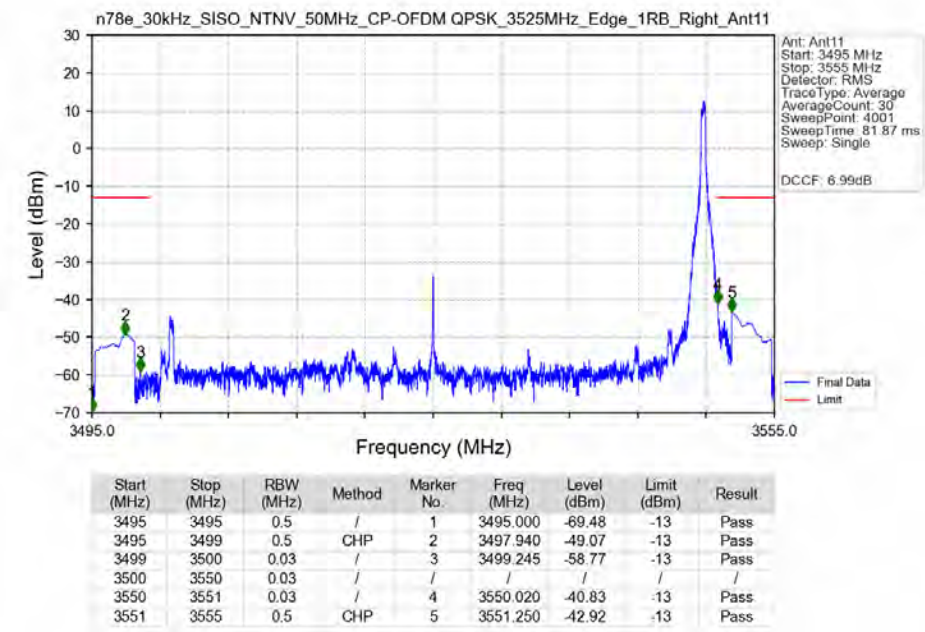
n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant11



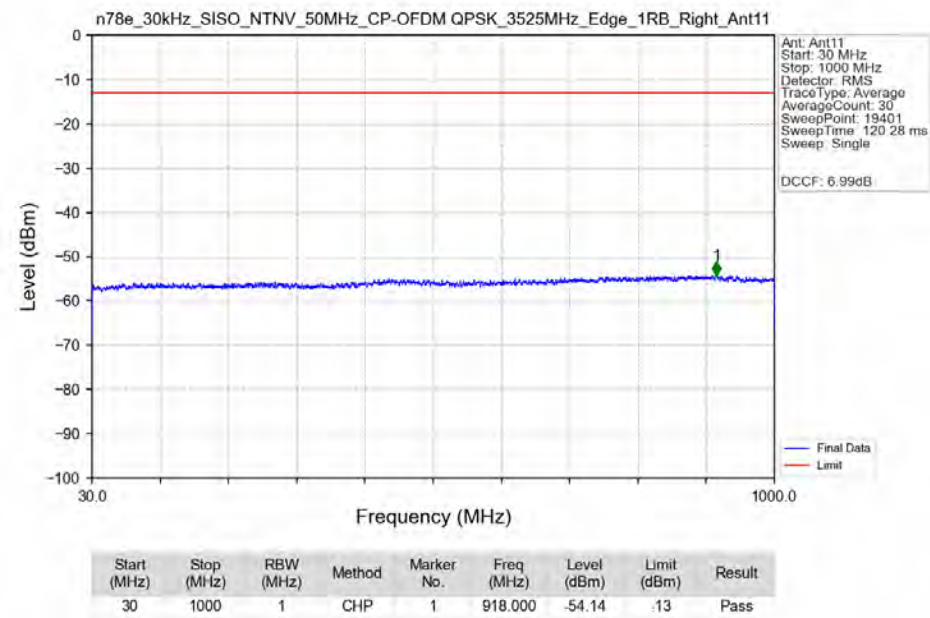
n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant11



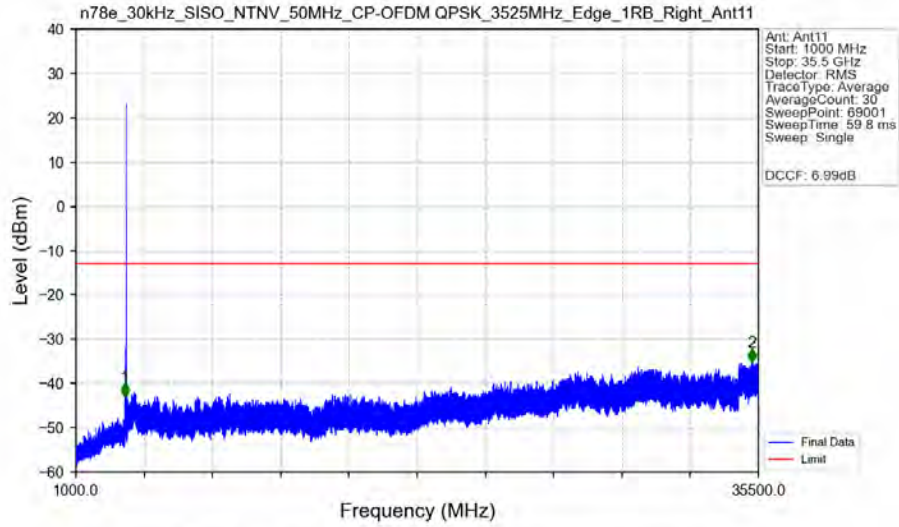
n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3525MHz Edge 1RB Right Ant11



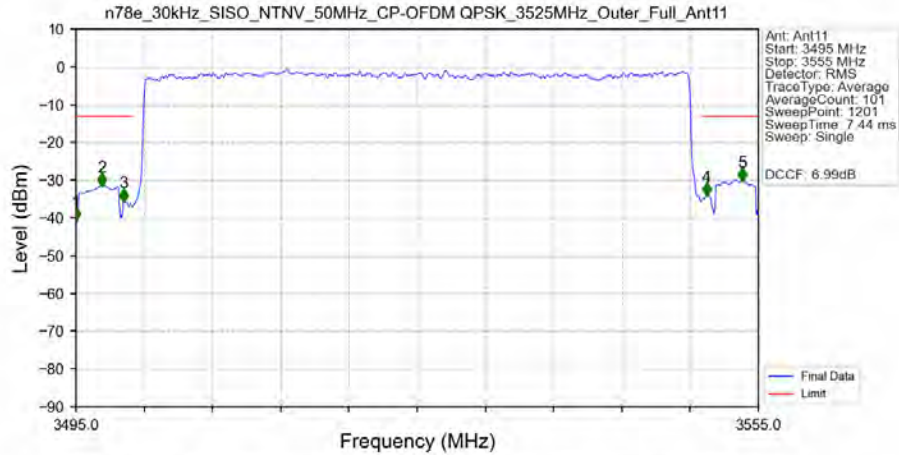
n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3525MHz Edge 1RB Right Ant11



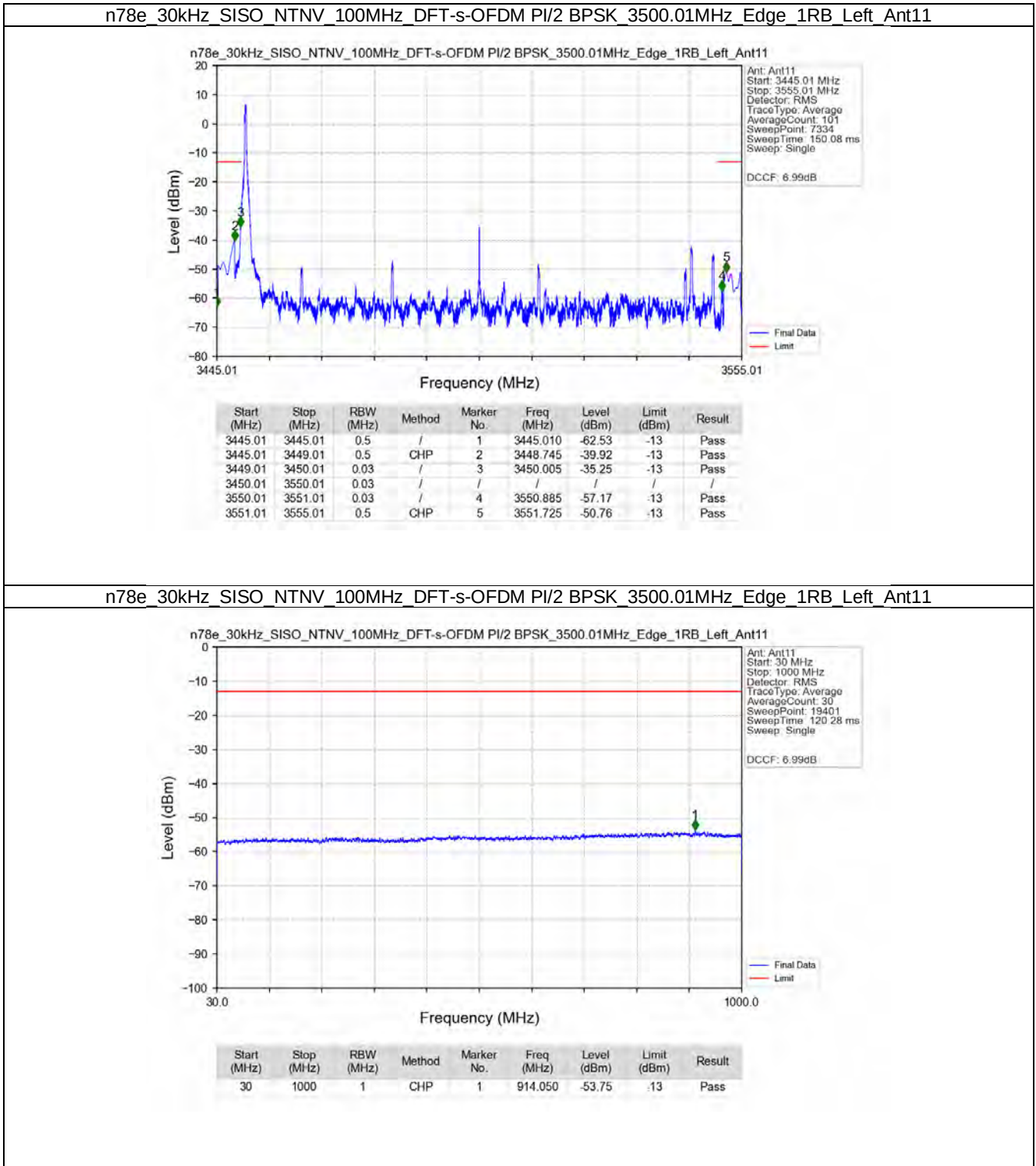
n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3525MHz Edge 1RB Right Ant11



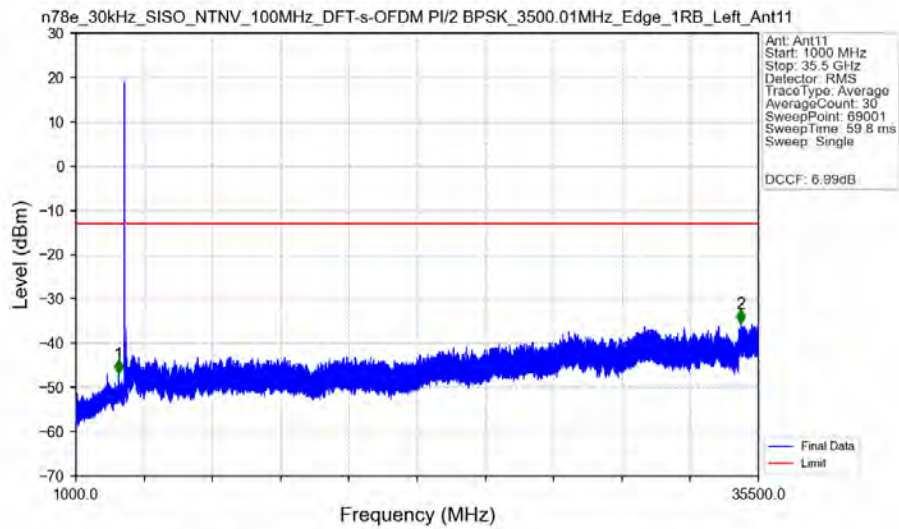
n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3525MHz Outer_Full_Ant11



5.2.3 30k_SISO_100MHz_NTNV

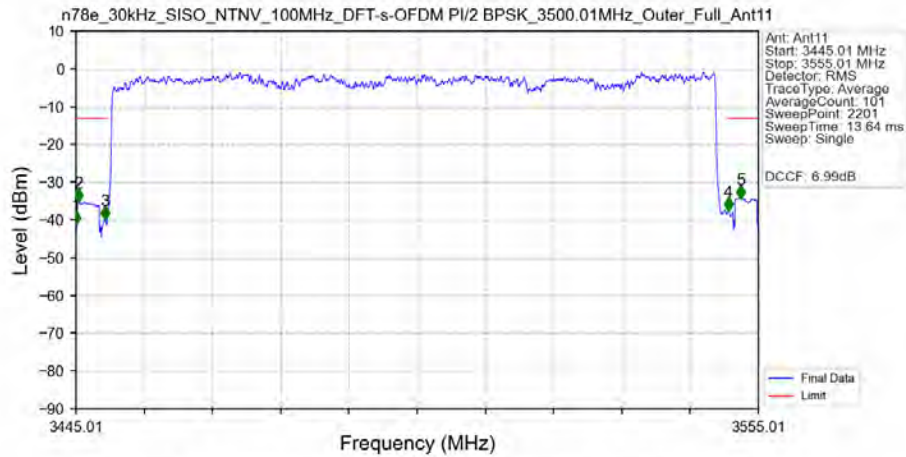


n78e 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left Ant11



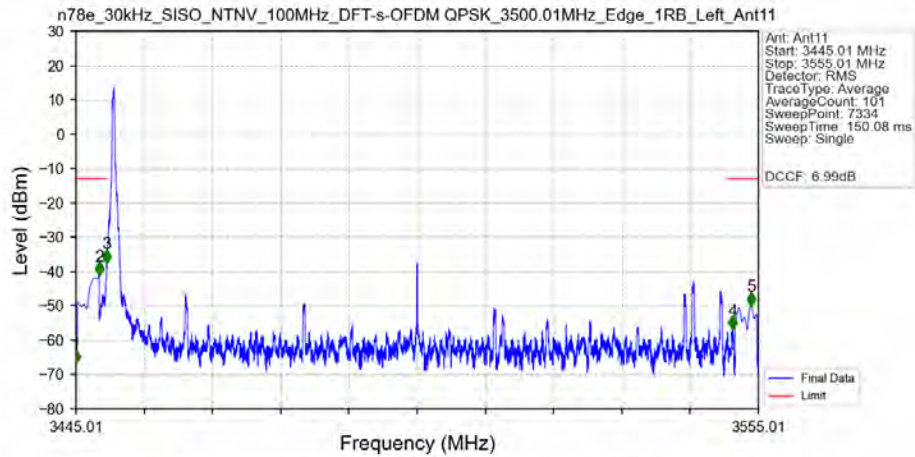
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3161.000	-46.81	-13	Pass
3445.01	3555.01	1	/	/	/	/	/	/
3555.01	35500	1	/	2	34619.000	-35.54	-13	Pass

n78e 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Outer_Full Ant11



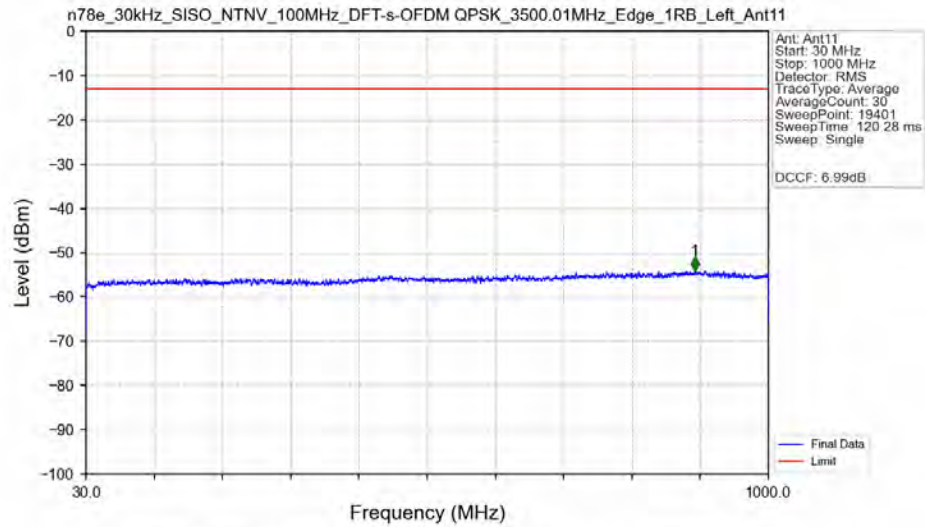
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-40.85	-13	Pass
3445.01	3449.01	0.5	CHP	2	3445.360	-34.97	-13	Pass
3449.01	3450.01	0.2	CHP	3	3449.710	-39.75	-13	Pass
3450.01	3550.01	0.2	CHP	/	/	/	/	/
3550.01	3551.01	0.2	CHP	4	3550.160	-37.41	-13	Pass
3551.01	3555.01	0.5	CHP	5	3552.160	-34.11	-13	Pass

n78e 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant11



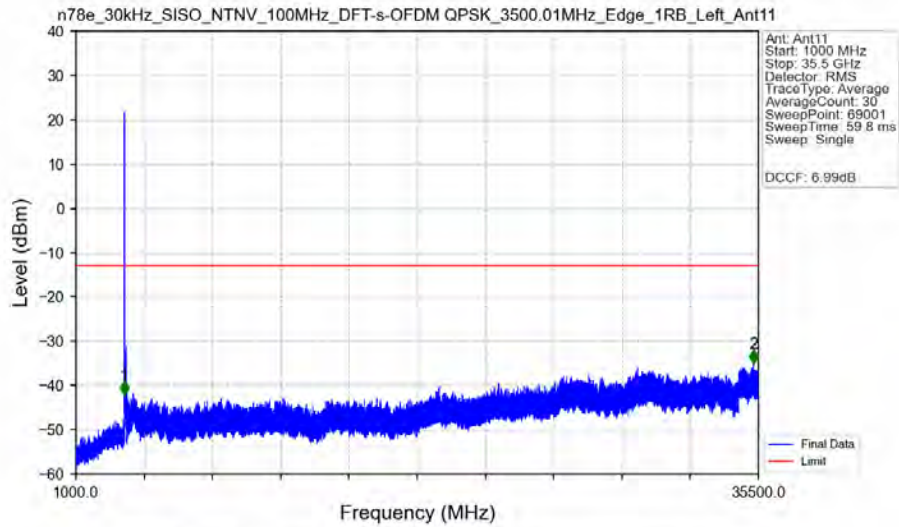
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-66.50	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.745	-40.86	-13	Pass
3449.01	3450.01	0.03	/	3	3449.975	-37.21	-13	Pass
3450.01	3550.01	0.03	/	/	/	/	/	/
3550.01	3551.01	0.03	/	4	3550.885	-56.55	-13	Pass
3551.01	3555.01	0.5	CHP	5	3553.810	-49.71	-13	Pass

n78e 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant11



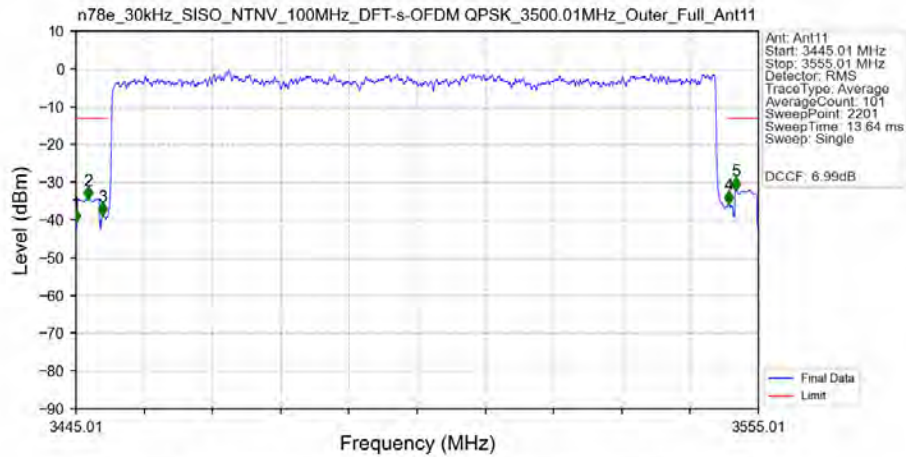
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	895.300	-53.99	-13	Pass

n78e 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant11



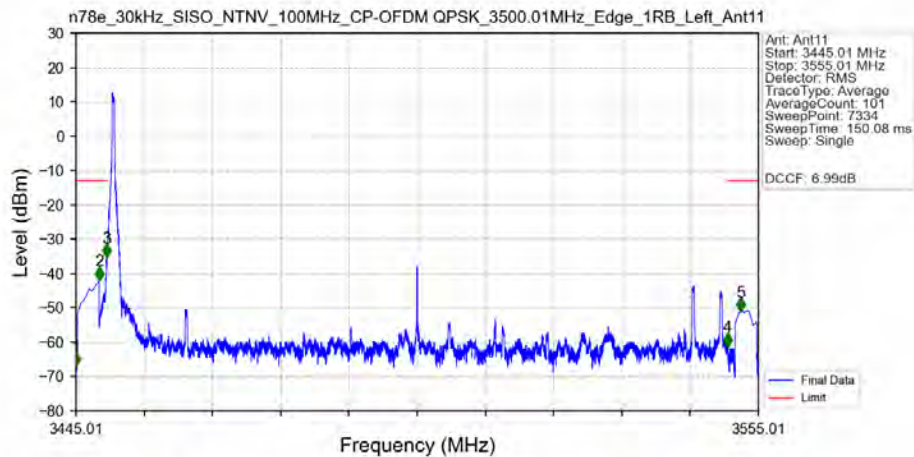
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3445.000	-42.06	-13	Pass
3445.01	3555.01	1	/	/	/	/	/	/
3555.01	35500	1	/	2	35244.500	-35.01	-13	Pass

n78e 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3500.01MHz Outer_Full_Ant11



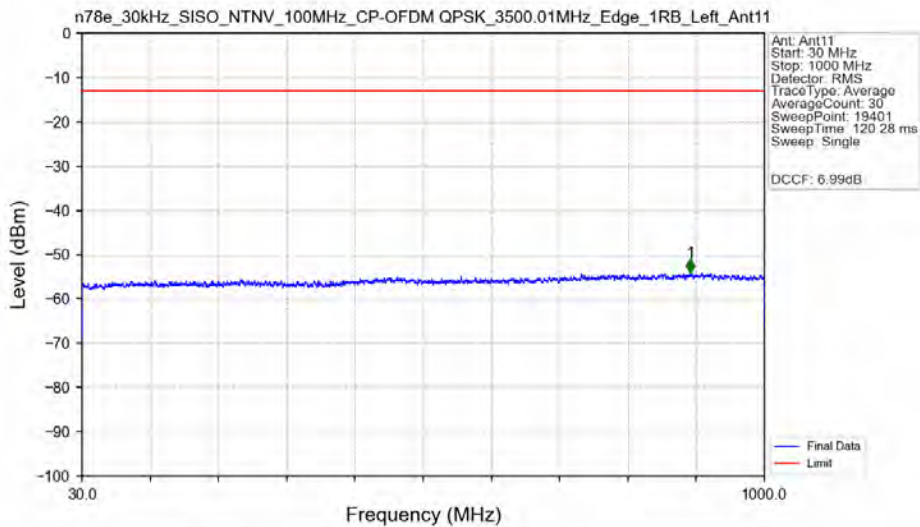
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-40.44	-13	Pass
3445.01	3449.01	0.5	CHP	2	3446.960	-34.32	-13	Pass
3449.01	3450.01	0.2	CHP	3	3449.260	-38.56	-13	Pass
3450.01	3550.01	0.2	CHP	/	/	/	/	/
3550.01	3551.01	0.2	CHP	4	3550.260	-35.55	-13	Pass
3551.01	3555.01	0.5	CHP	5	3551.310	-31.90	-13	Pass

n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant11



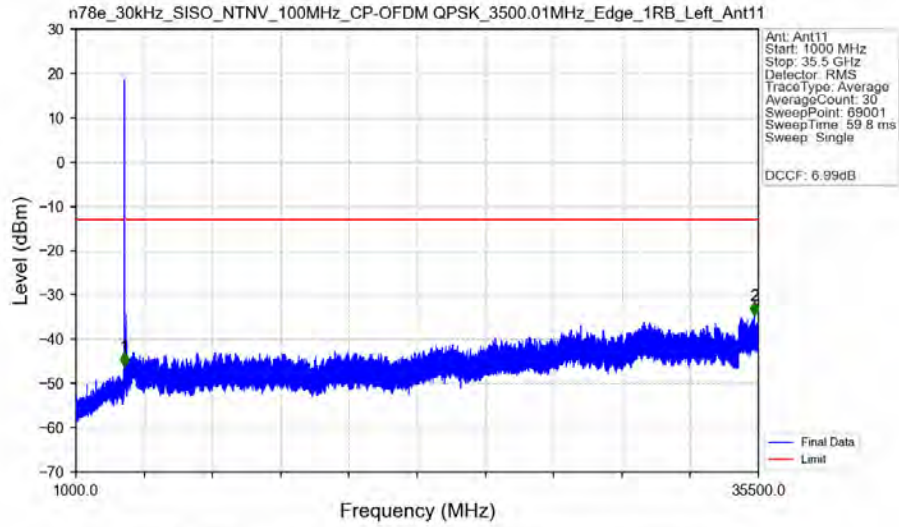
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-66.60	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.745	-41.73	-13	Pass
3449.01	3450.01	0.03	/	3	3449.975	-34.97	-13	Pass
3450.01	3550.01	0.03	/	/	/	/	/	/
3550.01	3551.01	0.03	/	4	3550.075	-60.96	-13	Pass
3551.01	3555.01	0.5	CHP	5	3552.175	-50.78	-13	Pass

n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant11



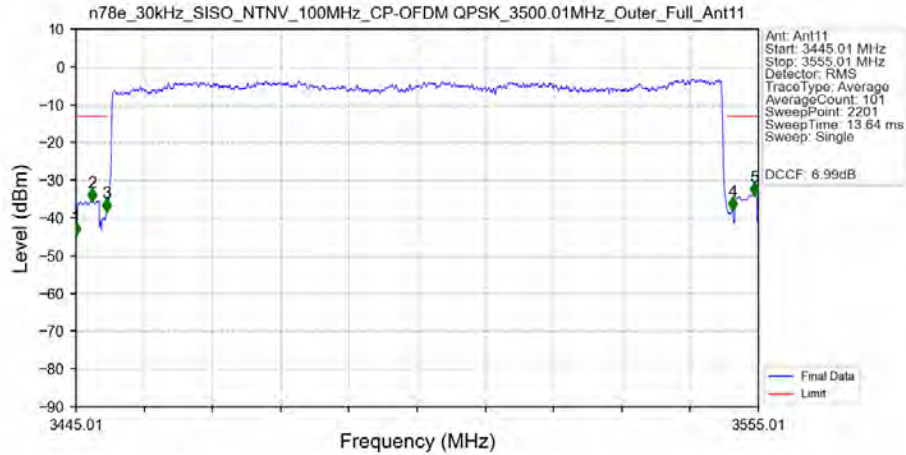
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	894.750	-54.11	-13	Pass

n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left Ant11



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	3555.01	1	/	/	/	/	/	/
3555.01	35500	1	/	2	35300.500	-34.64	-13	Pass

n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Outer_Full_Ant11



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	-44.46	-13	Pass
3445.01	3449.01	0.5	CHP	2	3447.610	-35.42	-13	Pass
3449.01	3450.01	0.2	CHP	3	3449.960	-38.15	-13	Pass
3450.01	3550.01	0.2	CHP	/	/	/	/	/
3550.01	3551.01	0.2	CHP	4	3550.860	-37.70	-13	Pass
3551.01	3555.01	0.5	CHP	5	3554.360	-33.85	-13	Pass

6. Field Strength of Spurious Radiation

NR N78a(3450-3550MHz) ANT11-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	-46.55	-13	-33.55	-52.65	4.91	11.01	Horizontal	Pass
10365.0	-56.22	-13	-43.22	-63.8	5.52	13.1	Horizontal	Pass
13820.0	-54.79	-13	-41.79	-62.96	6.21	14.38	Horizontal	Pass
6910.0	-41.2	-13	-28.2	-47.3	4.91	11.01	Vertical	Pass
10365.0	-52.2	-13	-39.2	-59.78	5.52	13.1	Vertical	Pass
13820.0	-54.61	-13	-41.61	-62.78	6.21	14.38	Vertical	Pass

NSA_2A_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	-40.9	-13	-27.9	-47.0	4.91	11.01	Horizontal	Pass
10365.0	-52.09	-13	-39.09	-59.67	5.52	13.1	Horizontal	Pass
13820.0	-53.41	-13	-40.41	-61.58	6.21	14.38	Horizontal	Pass
6910.0	-52.12	-13	-39.12	-58.22	4.91	11.01	Vertical	Pass
10365.0	-50.11	-13	-37.11	-57.69	5.52	13.1	Vertical	Pass
13820.0	-54.56	-13	-41.56	-62.73	6.21	14.38	Vertical	Pass