

CP-OFDM 256 QAM	3490.02	Edge_1RB_Left	15.71	15.29	18.52	18.21	17.79	21.02	<=30	Pass
		Edge_1RB_Right	15.42	15.48	18.46	17.92	17.98	20.96	<=30	Pass
		Outer_Full	15.15	15.73	18.46	17.65	18.23	20.96	<=30	Pass
		Inner_Full	15.02	15.74	18.41	17.52	18.24	20.91	<=30	Pass
		Inner_1RB_Left	15.62	15.36	18.50	18.12	17.86	21.00	<=30	Pass
		Inner_1RB_Right	15.37	15.47	18.43	17.87	17.97	20.93	<=30	Pass
	3500.01	Edge_1RB_Left	15.84	15.53	18.70	18.34	18.03	21.20	<=30	Pass
		Edge_1RB_Right	15.52	15.56	18.55	18.02	18.06	21.05	<=30	Pass
		Outer_Full	15.22	15.70	18.48	17.72	18.20	20.98	<=30	Pass
		Inner_Full	14.89	15.70	18.32	17.39	18.20	20.82	<=30	Pass
		Inner_1RB_Left	15.85	15.45	18.66	18.35	17.95	21.16	<=30	Pass
		Inner_1RB_Right	15.52	15.54	18.54	18.02	18.04	21.04	<=30	Pass
	3510	Edge_1RB_Left	15.57	15.59	18.59	18.07	18.09	21.09	<=30	Pass
		Edge_1RB_Right	15.22	15.59	18.42	17.72	18.09	20.92	<=30	Pass
		Outer_Full	15.17	15.76	18.49	17.67	18.26	20.99	<=30	Pass
		Inner_Full	15.09	15.69	18.41	17.59	18.19	20.91	<=30	Pass
		Inner_1RB_Left	15.59	15.53	18.57	18.09	18.03	21.07	<=30	Pass
		Inner_1RB_Right	15.21	15.66	18.45	17.71	18.16	20.95	<=30	Pass
Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi; Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2										

1.1.12 30k_MIMO_100MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 100MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant0	Sum	Ant2	Ant0	Sum	Limit	
CP-OFDM QPSK	3500.01	Edge 1RB Left	18.58	18.63	21.62	21.08	21.13	24.12	<=30	Pass
		Edge 1RB Right	18.29	18.96	21.65	20.79	21.46	24.15	<=30	Pass
		Outer_Full	18.75	19.20	21.99	21.25	21.70	24.49	<=30	Pass
		Inner_Full	20.06	20.69	23.40	22.56	23.19	25.90	<=30	Pass
		Inner 1RB Left	20.60	20.66	23.64	23.10	23.16	26.14	<=30	Pass
		Inner 1RB Right	20.29	20.98	23.66	22.79	23.48	26.16	<=30	Pass
	3500.01	Edge 1RB Left	18.56	18.66	21.62	21.06	21.16	24.12	<=30	Pass
		Edge 1RB Right	18.36	18.97	21.69	20.86	21.47	24.19	<=30	Pass
		Outer_Full	18.78	19.25	22.03	21.28	21.75	24.53	<=30	Pass
		Inner_Full	19.94	20.72	23.35	22.44	23.22	25.86	<=30	Pass
		Inner 1RB Left	20.66	20.65	23.66	23.16	23.15	26.17	<=30	Pass
		Inner 1RB Right	20.26	20.82	23.56	22.76	23.32	26.06	<=30	Pass
	3499.98	Edge 1RB Left	18.62	18.69	21.67	21.12	21.19	24.17	<=30	Pass
		Edge 1RB Right	18.38	18.98	21.70	20.88	21.48	24.20	<=30	Pass
		Outer_Full	18.78	19.21	22.01	21.28	21.71	24.51	<=30	Pass
		Inner_Full	19.98	20.68	23.35	22.48	23.18	25.85	<=30	Pass
		Inner 1RB Left	20.51	20.50	23.51	23.01	23.00	26.02	<=30	Pass
		Inner 1RB Right	20.24	20.84	23.56	22.74	23.34	26.06	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge 1RB Left	18.48	18.47	21.49	20.98	20.97	23.99	<=30	Pass
		Edge 1RB Right	18.22	19.01	21.65	20.72	21.51	24.14	<=30	Pass
		Outer_Full	18.76	19.15	21.97	21.26	21.65	24.47	<=30	Pass
		Inner_Full	19.53	20.17	22.87	22.03	22.67	25.37	<=30	Pass
		Inner 1RB Left	19.88	19.95	22.93	22.38	22.45	25.43	<=30	Pass
		Inner 1RB Right	19.81	20.47	23.16	22.31	22.97	25.66	<=30	Pass
	3500.01	Edge 1RB Left	18.51	18.35	21.44	21.01	20.85	23.94	<=30	Pass
		Edge 1RB Right	18.16	18.83	21.52	20.66	21.33	24.02	<=30	Pass
		Outer_Full	18.72	19.21	21.98	21.22	21.71	24.48	<=30	Pass
		Inner_Full	19.51	20.23	22.90	22.01	22.73	25.40	<=30	Pass
		Inner 1RB Left	19.95	20.05	23.01	22.45	22.55	25.51	<=30	Pass
		Inner 1RB Right	19.69	20.33	23.03	22.19	22.83	25.53	<=30	Pass
	3499.98	Edge 1RB Left	18.49	18.60	21.55	20.99	21.10	24.06	<=30	Pass

		Edge 1RB Right	18.23	19.02	21.65	20.73	21.52	24.15	<=30	Pass
		Outer Full	18.69	19.19	21.96	21.19	21.69	24.46	<=30	Pass
		Inner Full	19.58	20.22	22.92	22.08	22.72	25.42	<=30	Pass
		Inner 1RB Left	19.96	20.22	23.10	22.46	22.72	25.60	<=30	Pass
		Inner 1RB Right	19.77	20.25	23.03	22.27	22.75	25.53	<=30	Pass
CP-OFDM 64 QAM	3500.01	Edge 1RB Left	18.44	18.42	21.44	20.94	20.92	23.94	<=30	Pass
		Edge 1RB Right	18.28	18.83	21.58	20.78	21.33	24.07	<=30	Pass
		Outer Full	18.27	18.69	21.50	20.77	21.19	24.00	<=30	Pass
		Inner Full	17.95	18.74	21.37	20.45	21.24	23.87	<=30	Pass
		Inner 1RB Left	18.42	18.41	21.43	20.92	20.91	23.93	<=30	Pass
		Inner 1RB Right	18.21	18.80	21.53	20.71	21.30	24.03	<=30	Pass
		Edge 1RB Left	18.39	18.62	21.52	20.89	21.12	24.02	<=30	Pass
	3500.01	Edge 1RB Right	18.22	18.90	21.58	20.72	21.40	24.08	<=30	Pass
		Outer Full	18.17	18.66	21.43	20.67	21.16	23.93	<=30	Pass
		Inner Full	17.95	18.73	21.37	20.45	21.23	23.87	<=30	Pass
		Inner 1RB Left	18.53	18.43	21.49	21.03	20.93	23.99	<=30	Pass
		Inner 1RB Right	18.26	18.88	21.59	20.76	21.38	24.09	<=30	Pass
		Edge 1RB Left	18.47	18.41	21.45	20.97	20.91	23.95	<=30	Pass
	3499.98	Edge 1RB Right	18.27	18.94	21.63	20.77	21.44	24.13	<=30	Pass
		Outer Full	18.21	18.65	21.45	20.71	21.15	23.95	<=30	Pass
		Inner Full	17.97	18.70	21.36	20.47	21.20	23.86	<=30	Pass
		Inner 1RB Left	18.50	18.39	21.46	21.00	20.89	23.96	<=30	Pass
		Inner 1RB Right	18.29	18.73	21.52	20.79	21.23	24.03	<=30	Pass
		Edge 1RB Left	15.61	15.32	18.48	18.11	17.82	20.98	<=30	Pass
	CP-OFDM 256 QAM	3500.01	Edge 1RB Right	15.37	15.70	18.55	17.87	18.20	21.05	<=30
Outer Full			15.25	15.75	18.52	17.75	18.25	21.02	<=30	Pass
Inner Full			14.99	15.74	18.39	17.49	18.24	20.89	<=30	Pass
Inner 1RB Left			15.63	15.29	18.48	18.13	17.79	20.97	<=30	Pass
Inner 1RB Right			15.36	15.67	18.53	17.86	18.17	21.03	<=30	Pass
3500.01		Edge 1RB Left	15.62	15.39	18.51	18.12	17.89	21.02	<=30	Pass
		Edge 1RB Right	15.36	15.77	18.58	17.86	18.27	21.08	<=30	Pass
		Outer Full	15.17	15.68	18.44	17.67	18.18	20.94	<=30	Pass
		Inner Full	14.97	15.72	18.37	17.47	18.22	20.87	<=30	Pass
		Inner 1RB Left	15.59	15.50	18.56	18.09	18.00	21.06	<=30	Pass
		Inner 1RB Right	15.33	15.83	18.60	17.83	18.33	21.10	<=30	Pass
3499.98		Edge 1RB Left	15.74	15.39	18.57	18.24	17.89	21.08	<=30	Pass
		Edge 1RB Right	15.36	15.71	18.55	17.86	18.21	21.05	<=30	Pass
		Outer Full	15.22	15.64	18.45	17.72	18.14	20.95	<=30	Pass
		Inner Full	15.03	15.72	18.40	17.53	18.22	20.90	<=30	Pass
	Inner 1RB Left	15.72	15.35	18.55	18.22	17.85	21.05	<=30	Pass	
	Inner 1RB Right	15.38	15.74	18.57	17.88	18.24	21.07	<=30	Pass	
Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi; Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2										

2. Frequency Stability

2.1 Test Result

2.1.1 30k_SISO_100MHz

5G NR n77d SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	3.30	0.0009	>=-2.5 & <=2.5	Pass
				HV	4.90	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-15.60	-0.0045	>=-2.5 & <=2.5	Pass
			-20	NV	9.40	0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	2.70	0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-12.80	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-12.80	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-12.00	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	3.10	0.0009	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_20MHz_NTNV

5G NR n77d SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	18.09	19.96	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	18.14	19.95	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	18.12	19.93	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	18.13	19.97	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	18.09	19.92	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	18.40	20.28	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	18.37	20.68	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	18.40	20.29	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	18.40	20.30	/	Pass

3.1.2 30k_SISO_30MHz_NTNV

5G NR n77d SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	27.14	29.51	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	27.14	29.61	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	27.15	29.32	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	27.13	29.48	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	27.19	29.53	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	28.12	30.52	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	28.17	30.56	/	Pass

CP-OFDM 64 QAM	3500.01	Outer Full	28.14	30.77	/	Pass
CP-OFDM 256 QAM	3500.01	Outer Full	28.12	30.86	/	Pass

3.1.3 30k_SISO_40MHz_NTNV

5G NR n77d SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer Full	36.05	38.67	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer Full	36.00	38.85	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer Full	35.98	38.98	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer Full	36.04	38.79	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer Full	36.05	38.77	/	Pass
CP-OFDM QPSK	3500.01	Outer Full	38.05	41.14	/	Pass
CP-OFDM 16 QAM	3500.01	Outer Full	38.03	41.10	/	Pass
CP-OFDM 64 QAM	3500.01	Outer Full	38.03	40.99	/	Pass
CP-OFDM 256 QAM	3500.01	Outer Full	38.27	41.14	/	Pass

3.1.4 30k_SISO_60MHz_NTNV

5G NR n77d SCS=30kHz SISO 60MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer Full	58.18	62.30	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer Full	58.35	62.42	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer Full	58.25	62.16	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer Full	58.19	62.33	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer Full	58.10	62.14	/	Pass
CP-OFDM QPSK	3500.01	Outer Full	58.06	62.16	/	Pass
CP-OFDM 16 QAM	3500.01	Outer Full	58.00	62.19	/	Pass
CP-OFDM 64 QAM	3500.01	Outer Full	58.25	62.39	/	Pass
CP-OFDM 256 QAM	3500.01	Outer Full	58.22	62.05	/	Pass

3.1.5 30k_SISO_80MHz_NTNV

5G NR n77d SCS=30kHz SISO 80MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer Full	77.65	82.69	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer Full	77.47	82.76	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer Full	77.42	82.71	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer Full	77.45	82.97	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer Full	77.58	82.43	/	Pass
CP-OFDM QPSK	3500.01	Outer Full	77.88	82.99	/	Pass
CP-OFDM 16 QAM	3500.01	Outer Full	77.65	83.14	/	Pass
CP-OFDM 64 QAM	3500.01	Outer Full	78.13	83.03	/	Pass
CP-OFDM 256 QAM	3500.01	Outer Full	77.72	82.91	/	Pass

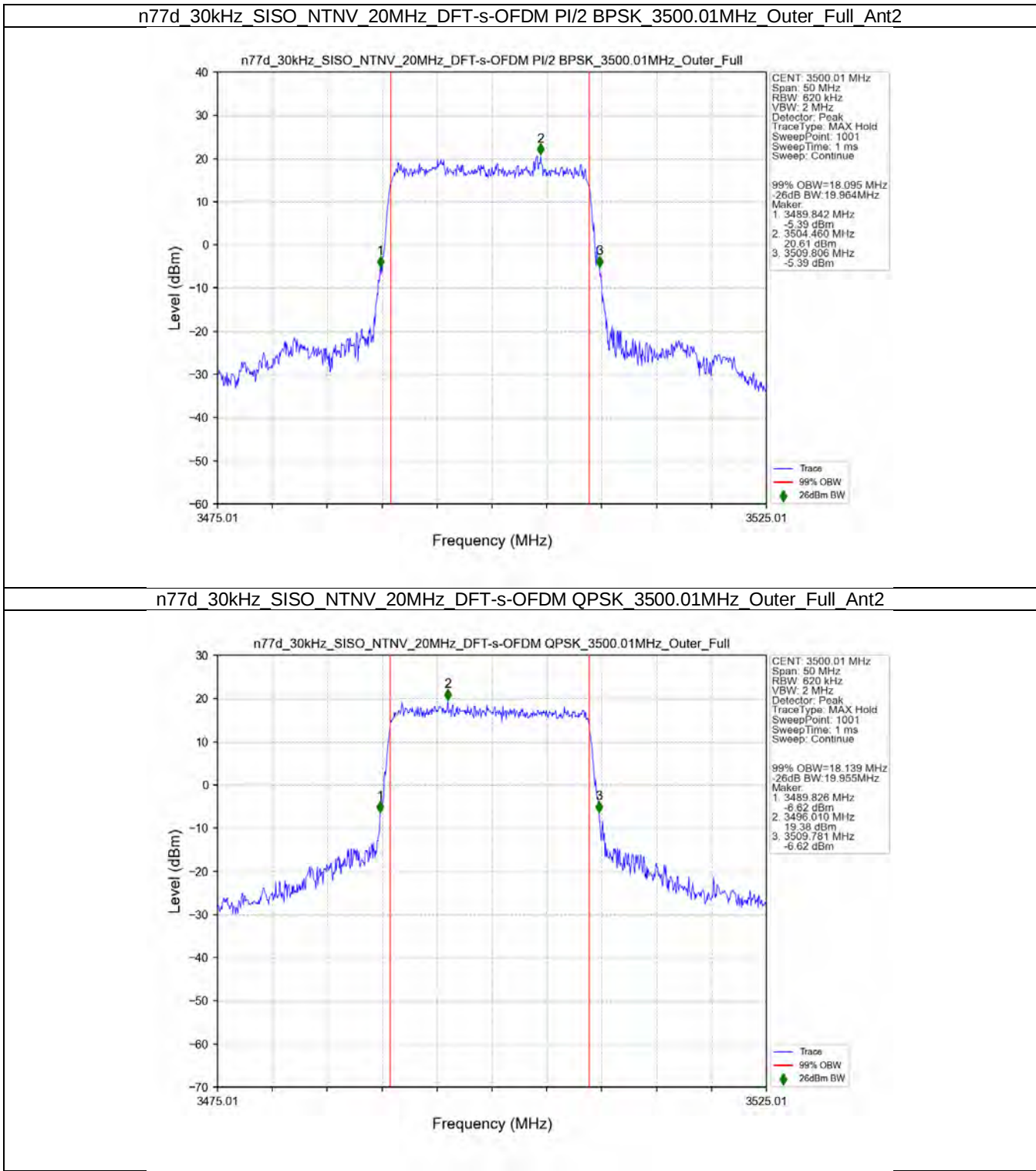
3.1.6 30k_SISO_100MHz_NTNV

5G NR n77d SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict

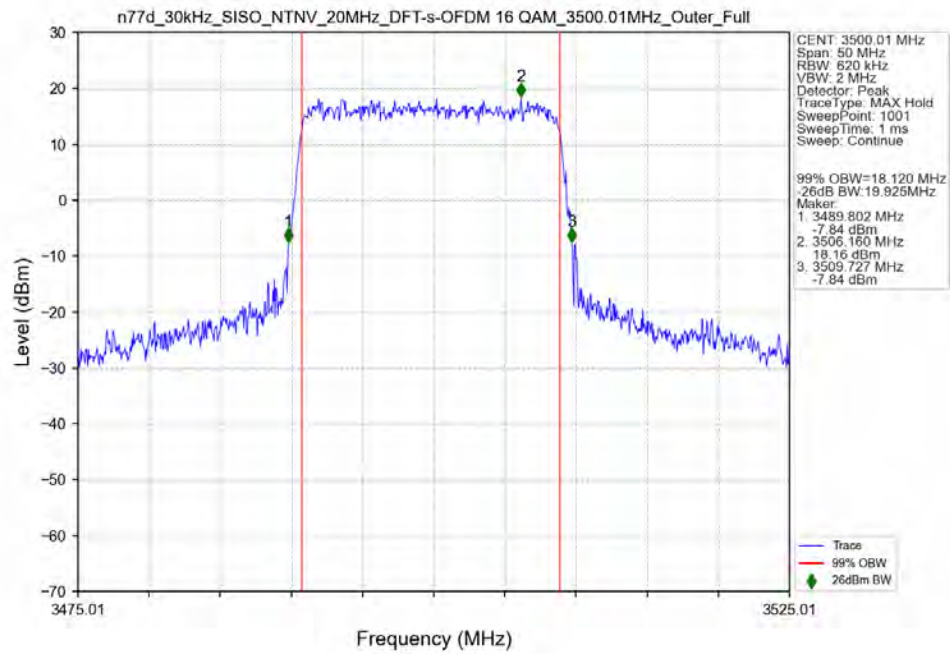
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	97.01	103.24	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	96.86	103.13	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	97.11	103.31	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	97.46	103.56	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	97.35	103.43	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	98.39	104.26	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	97.86	104.66	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	98.01	104.77	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	98.18	104.43	/	Pass

3.2 Test Graph

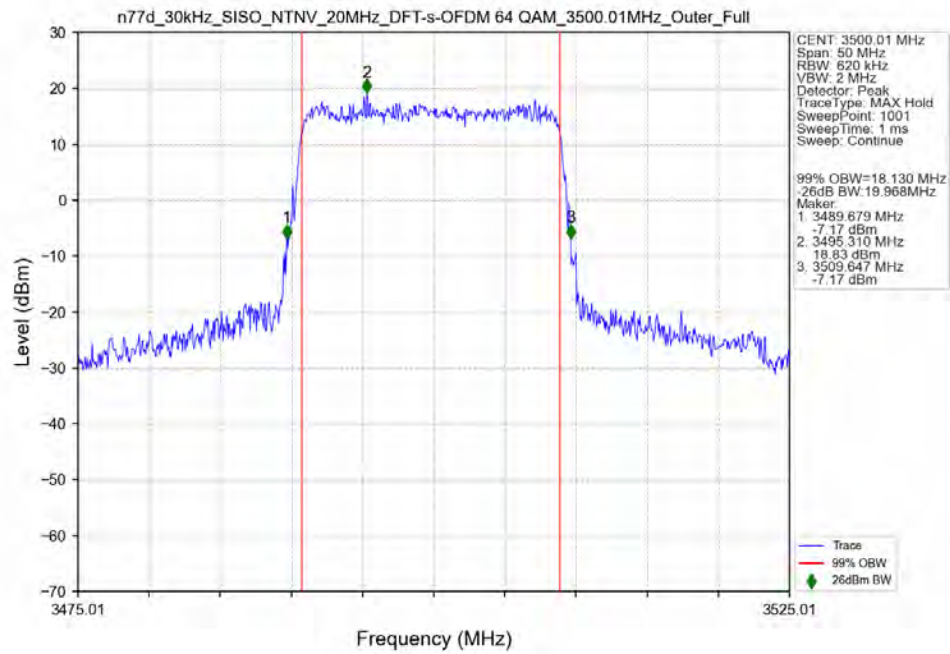
3.2.1 30k_SISO_20MHz_NTNV



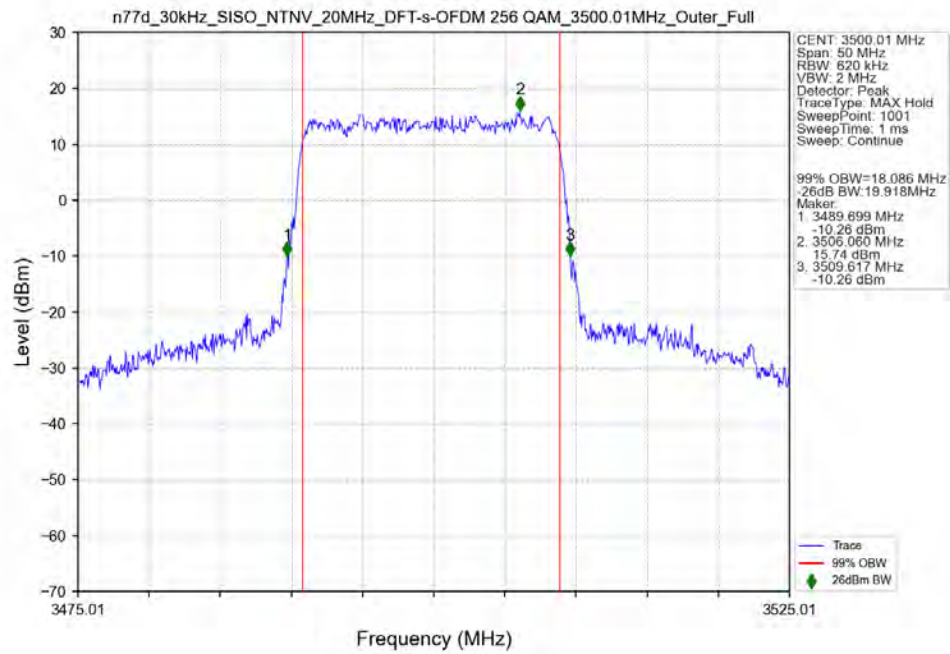
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant2



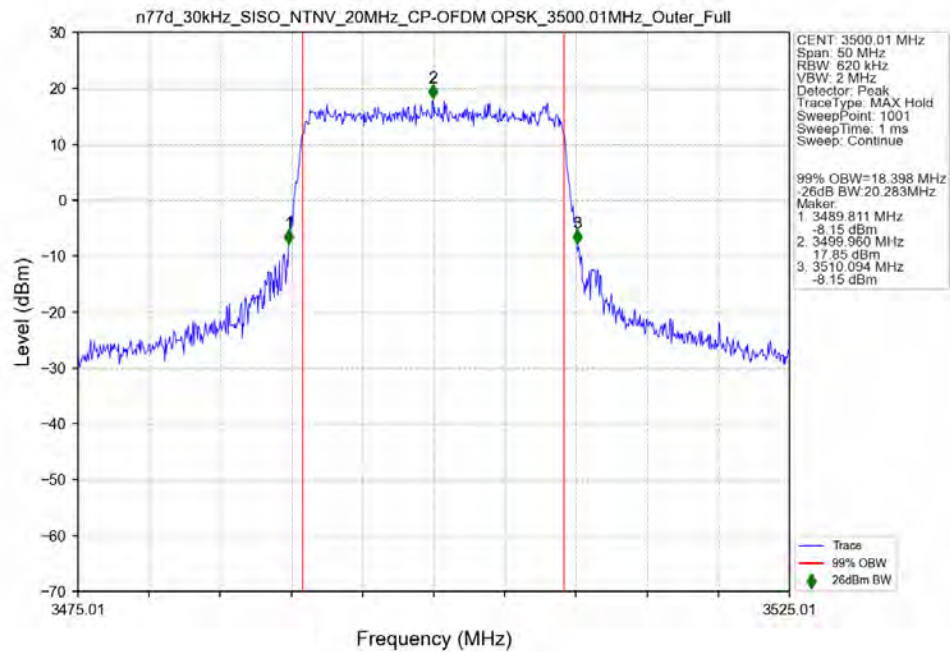
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full Ant2



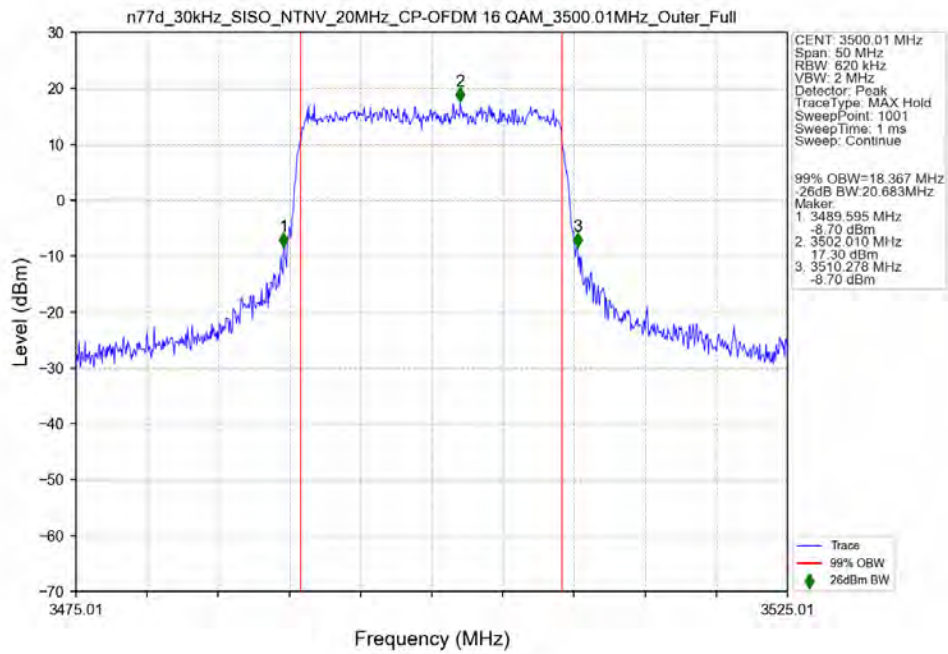
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant2



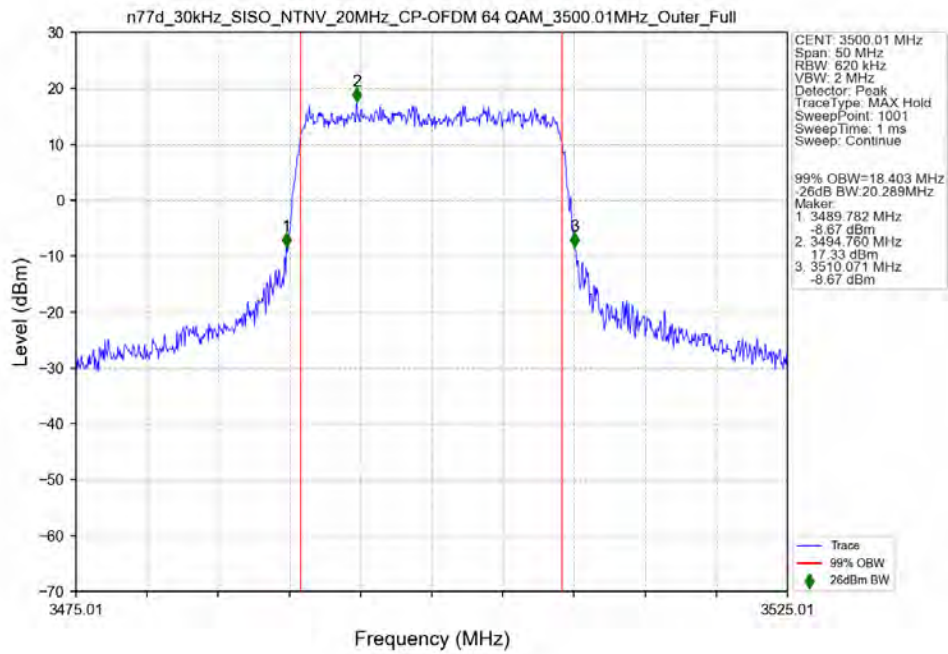
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant2



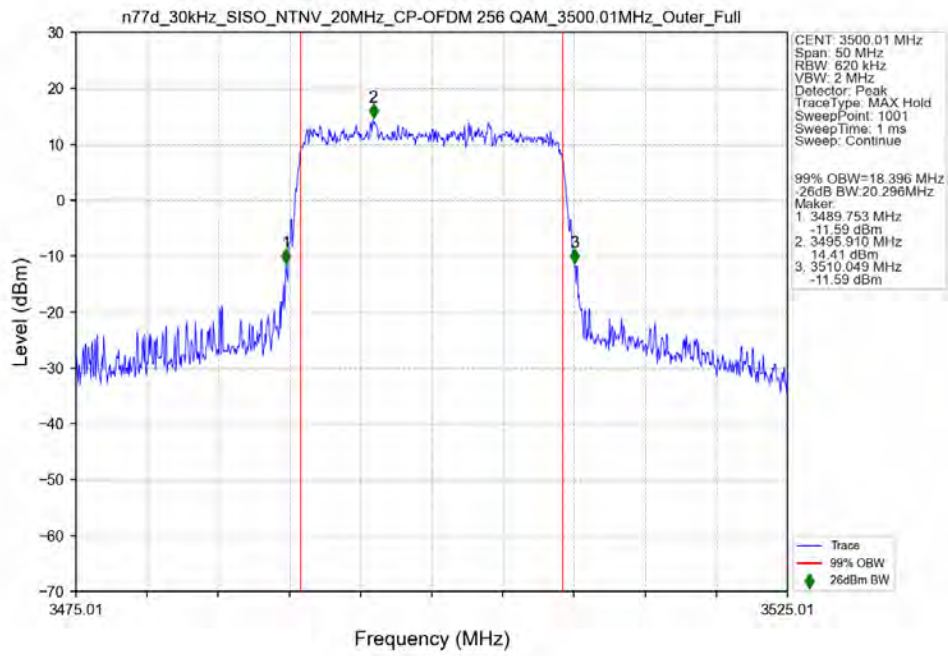
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM 3500.01MHz Outer Full Ant2



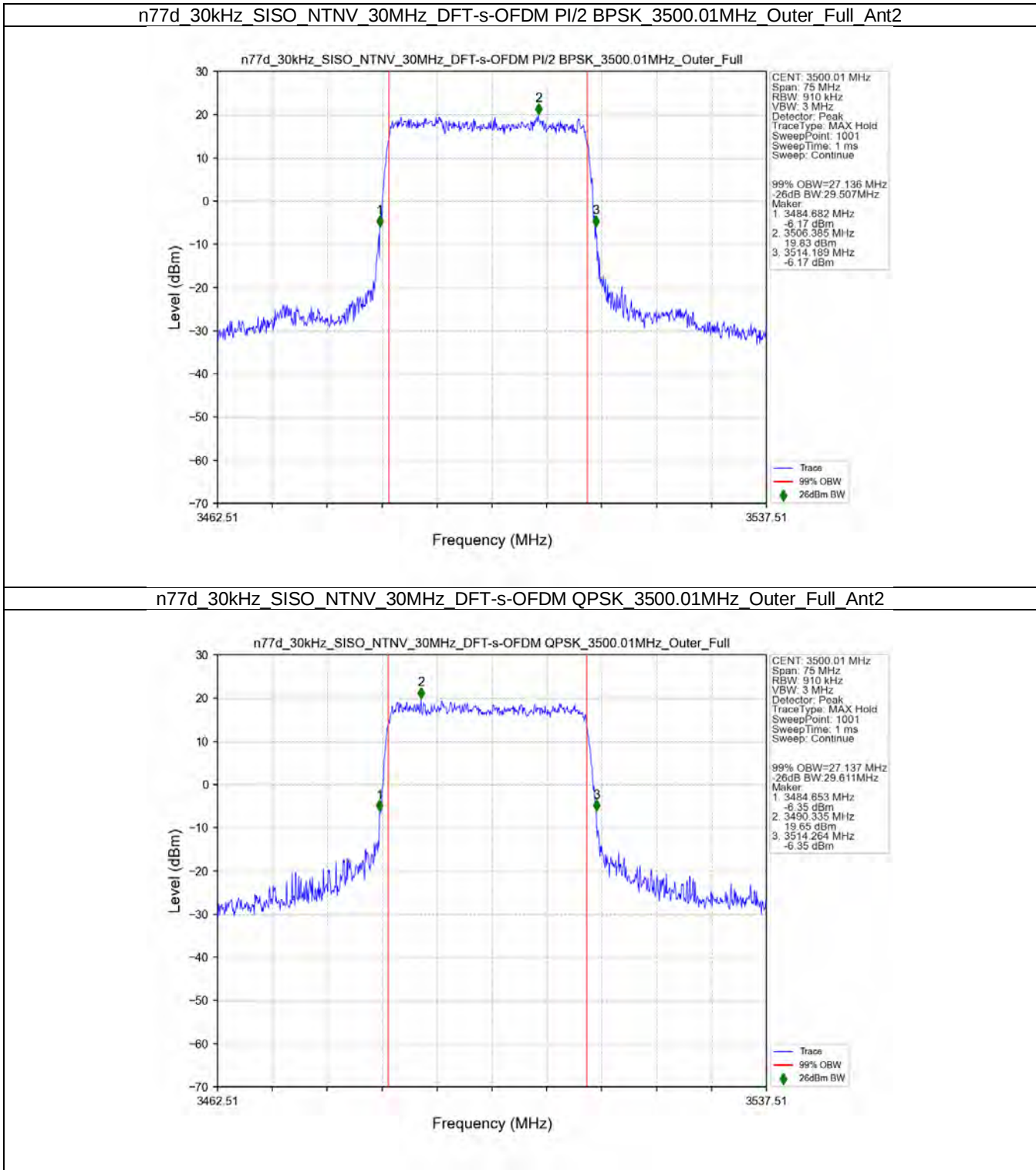
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM 3500.01MHz Outer Full Ant2



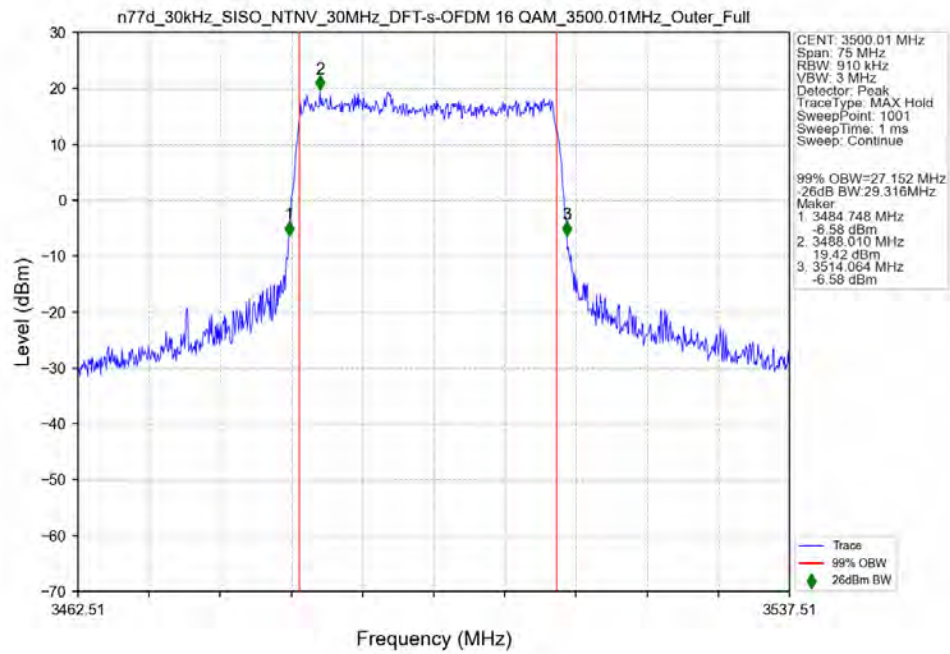
n77d 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant2



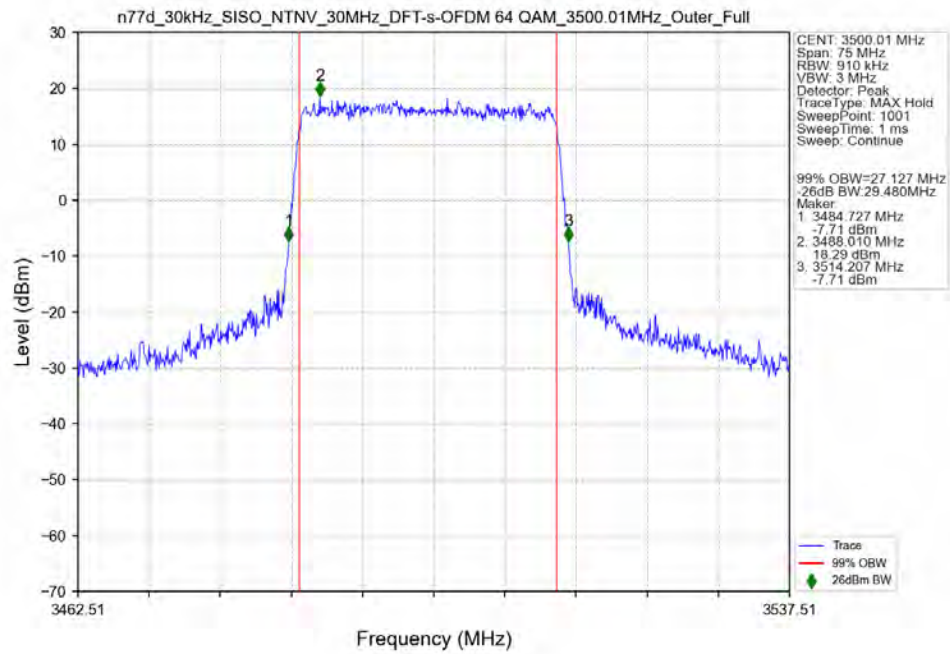
3.2.2 30k_SISO_30MHz_NTNV



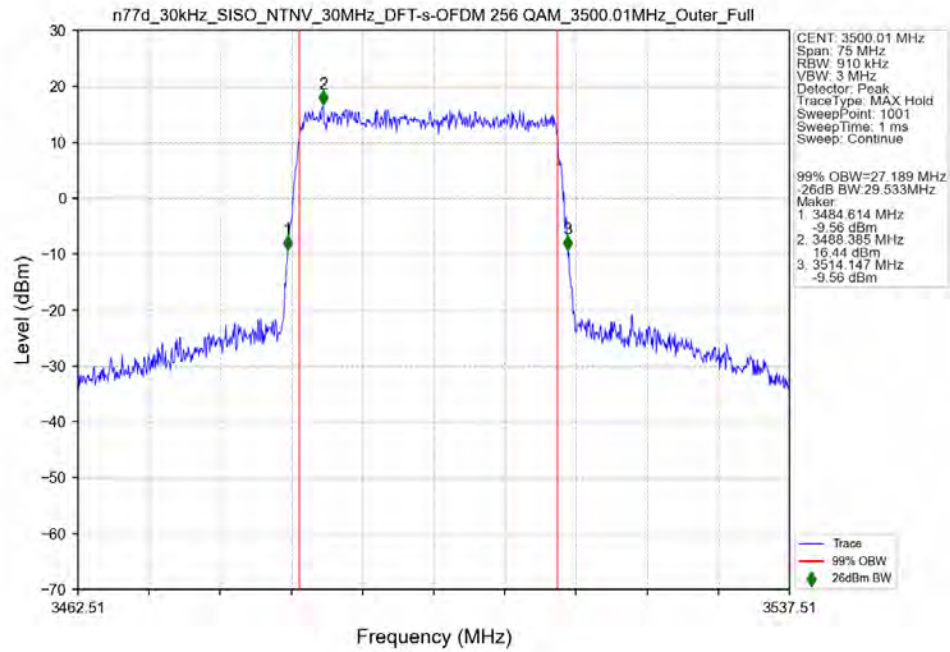
n77d 30kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant2



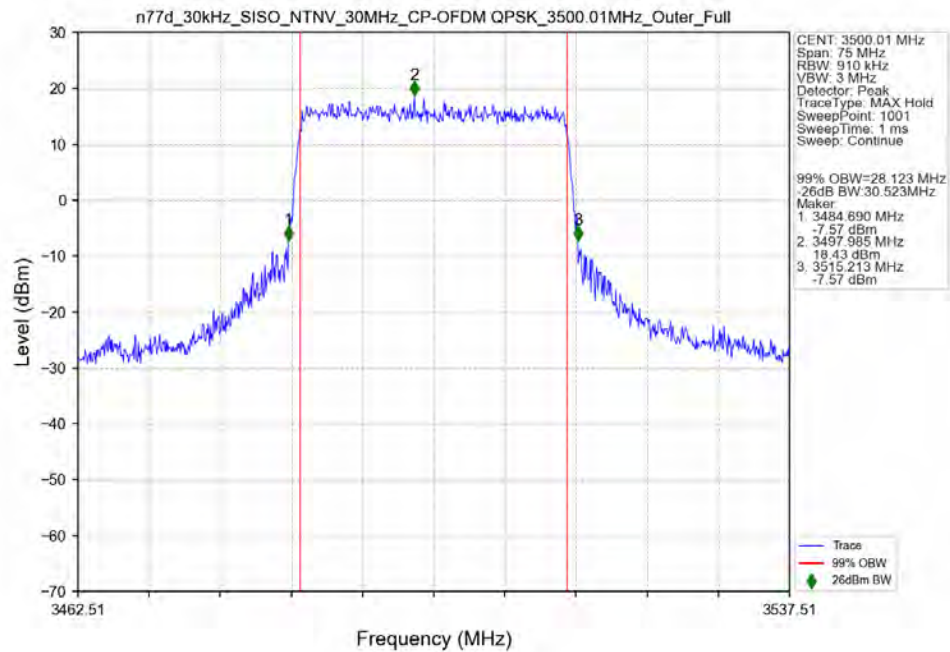
n77d 30kHz SISO NTN 30MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full Ant2



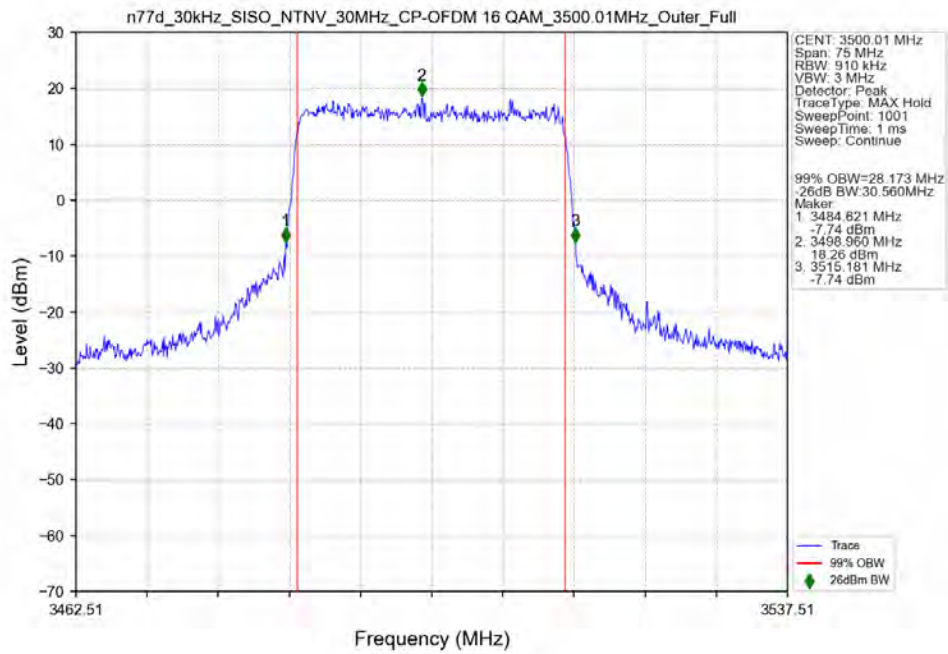
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant2



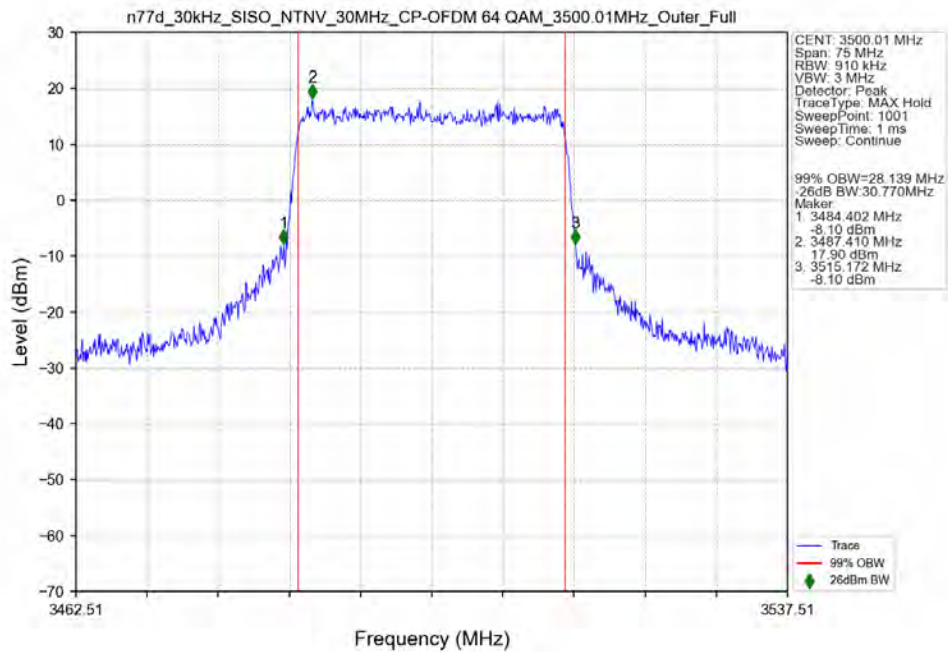
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant2



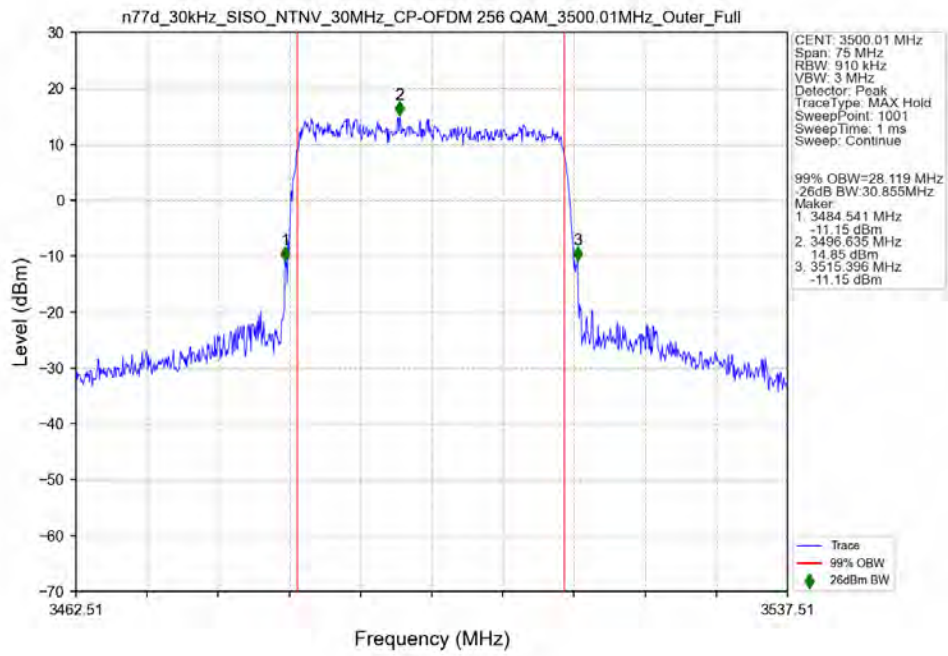
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM 3500.01MHz_Outer_Full_Ant2



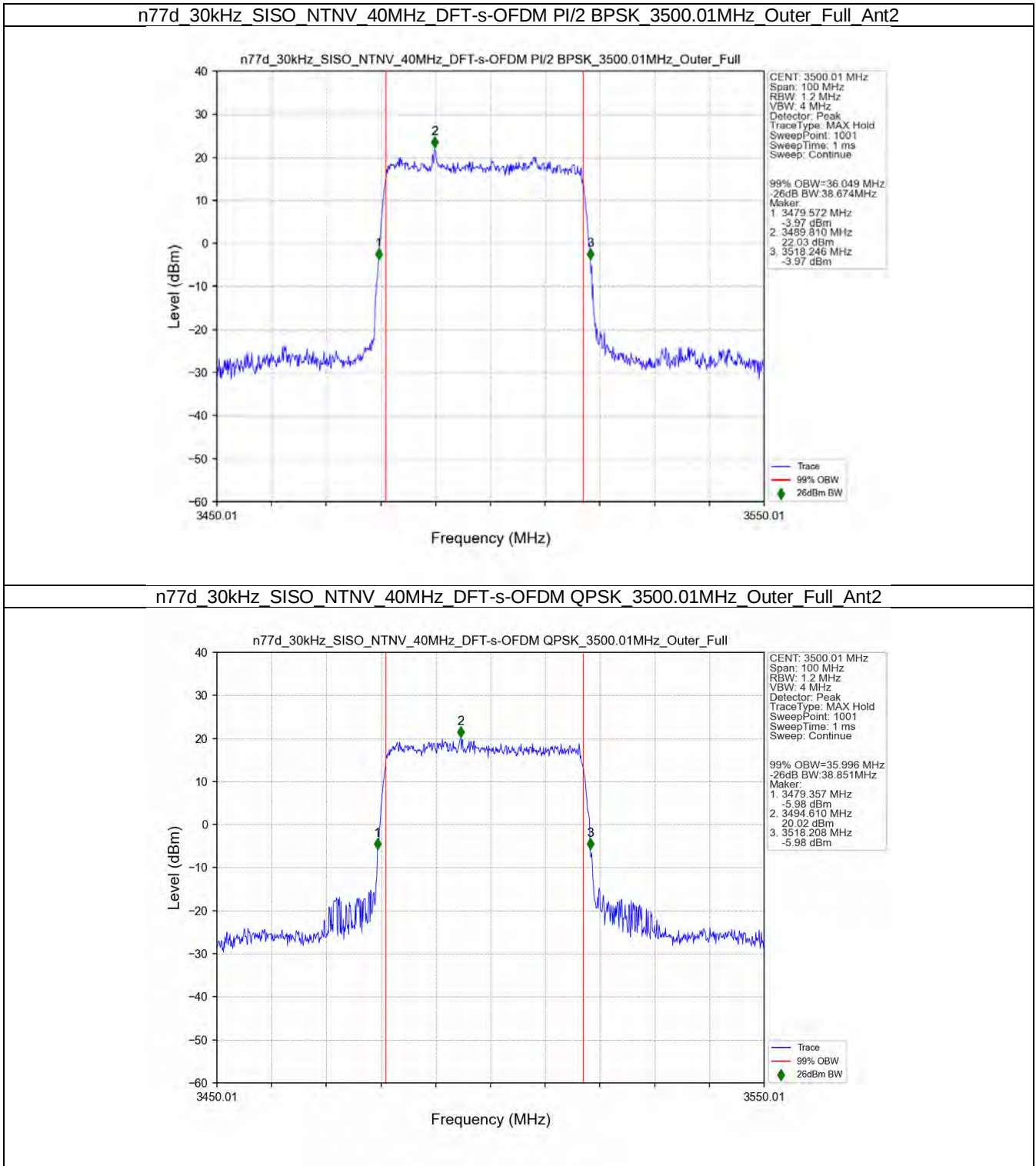
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM 3500.01MHz_Outer_Full_Ant2



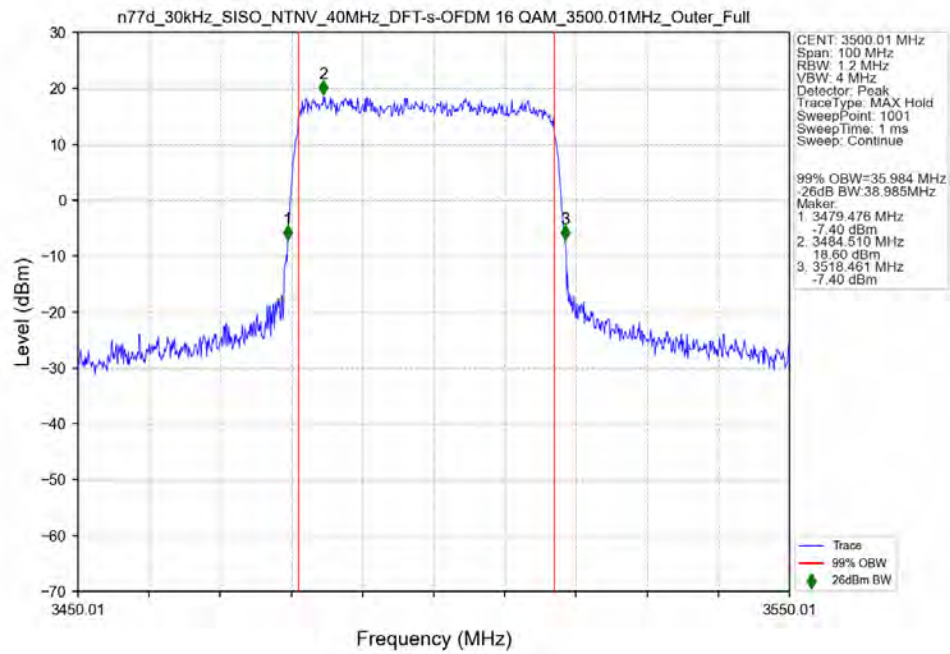
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant2



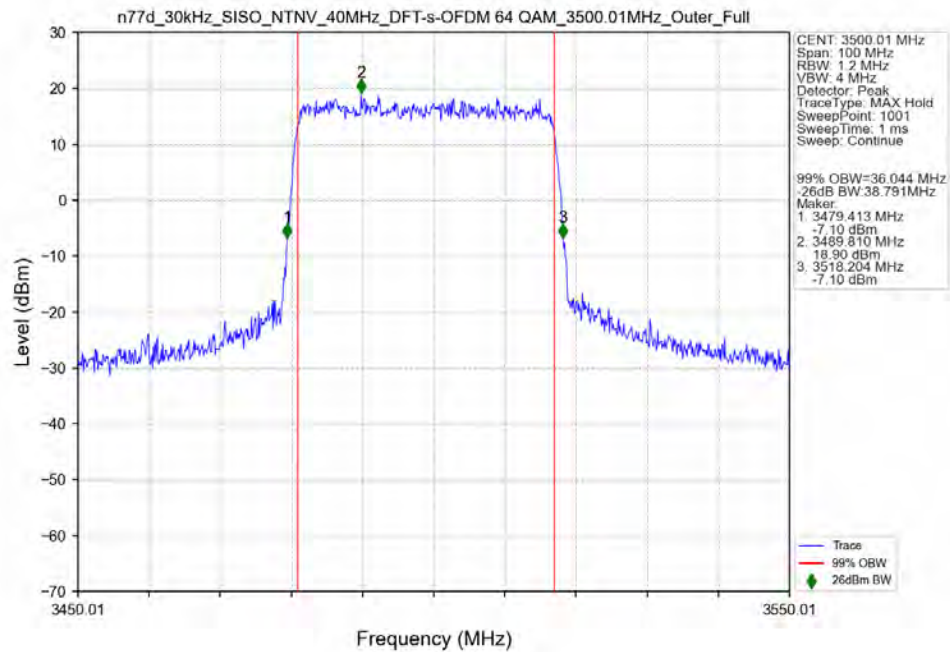
3.2.3 30k_SISO_40MHz_NTNV



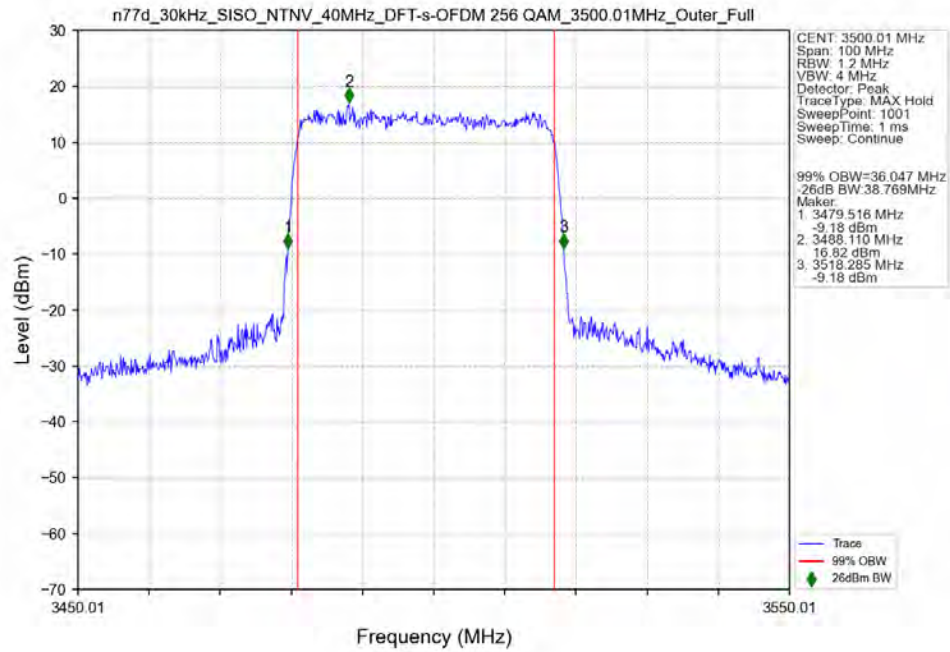
n77d 30kHz SISO NTN 40MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant2



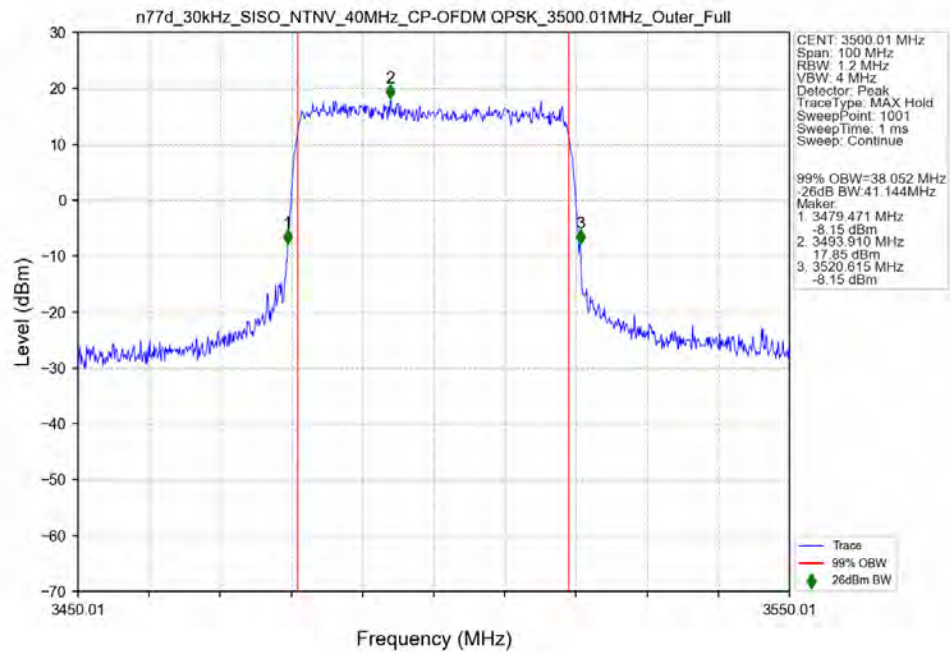
n77d 30kHz SISO NTN 40MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full Ant2



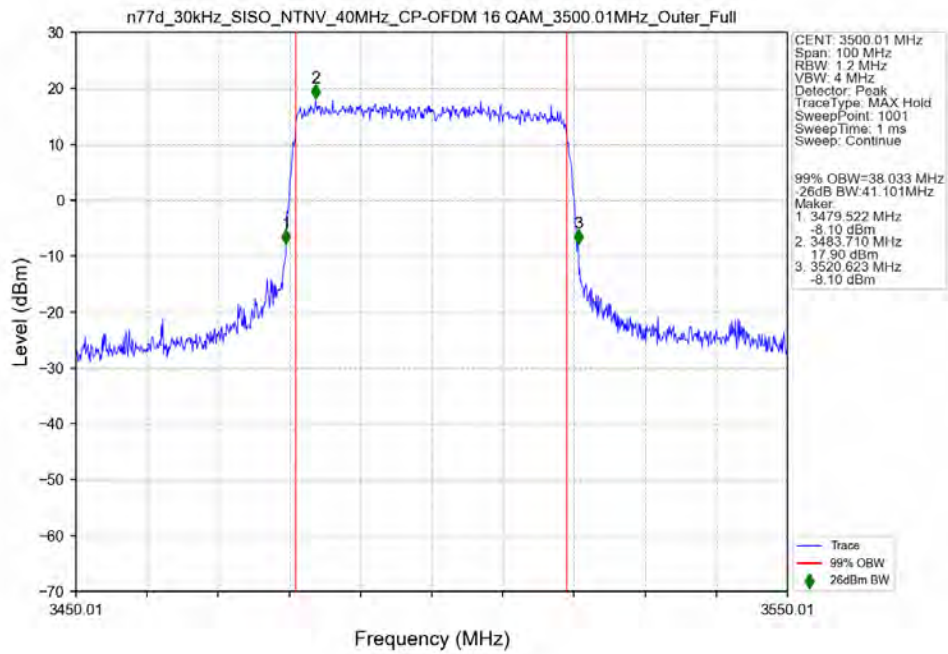
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant2



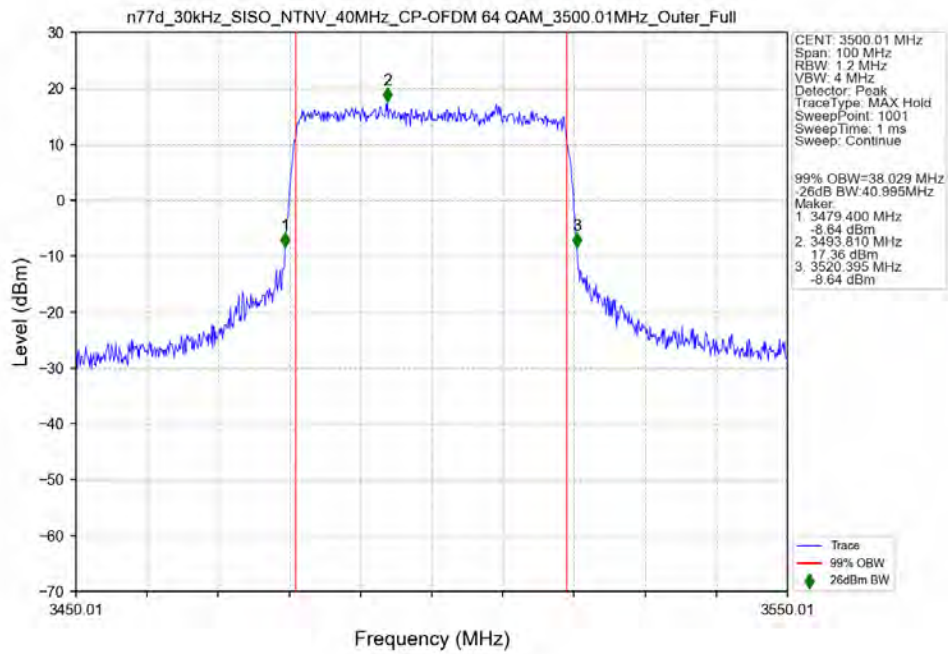
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant2



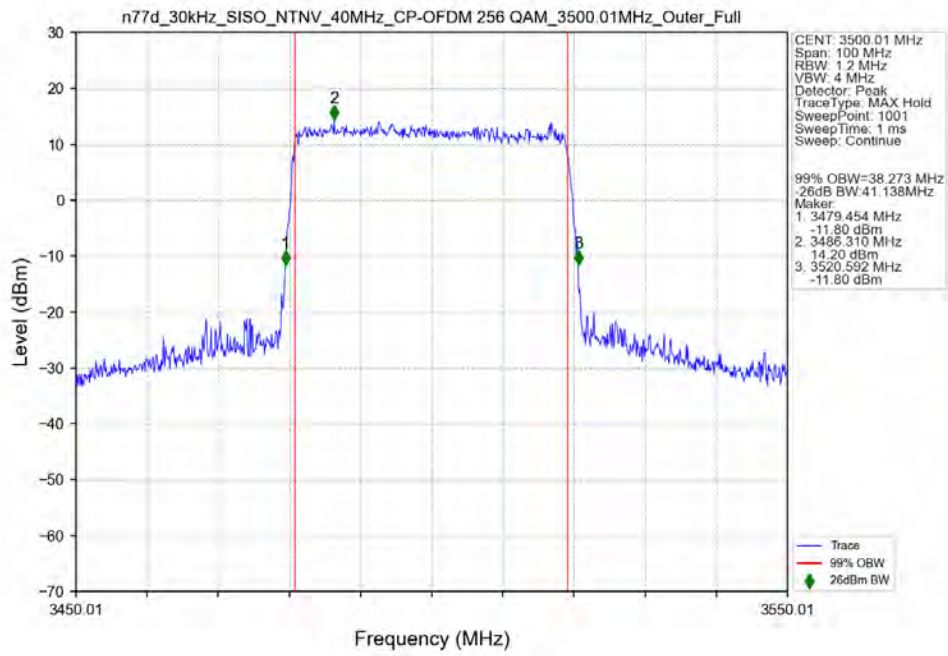
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM 3500.01MHz Outer Full Ant2



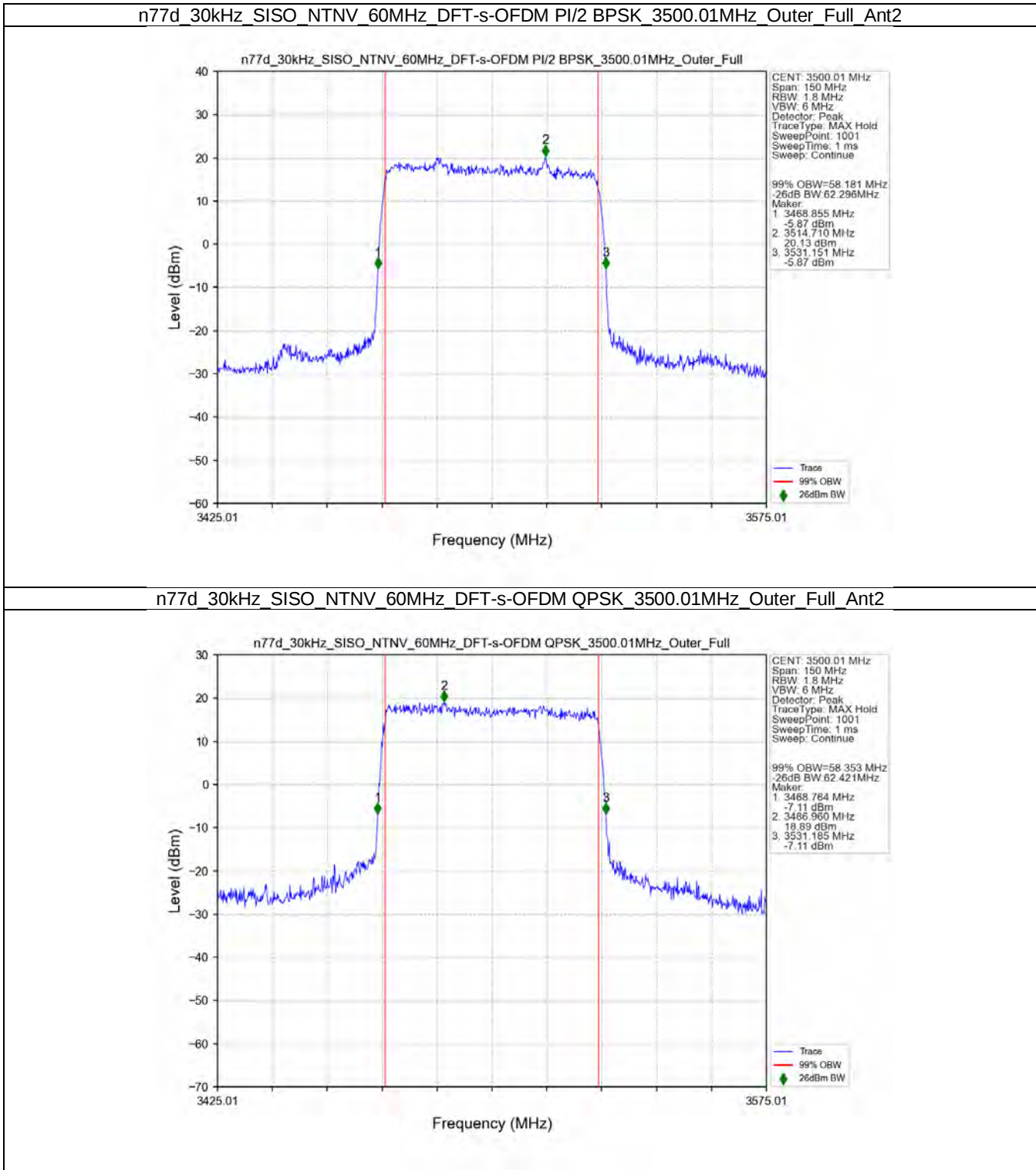
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM 3500.01MHz Outer Full Ant2



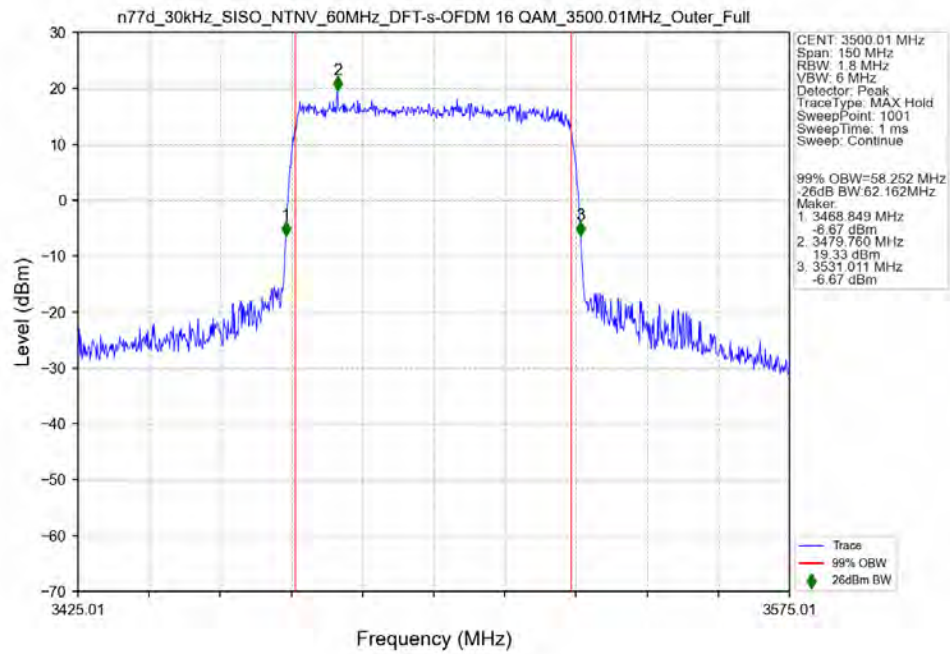
n77d 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant2



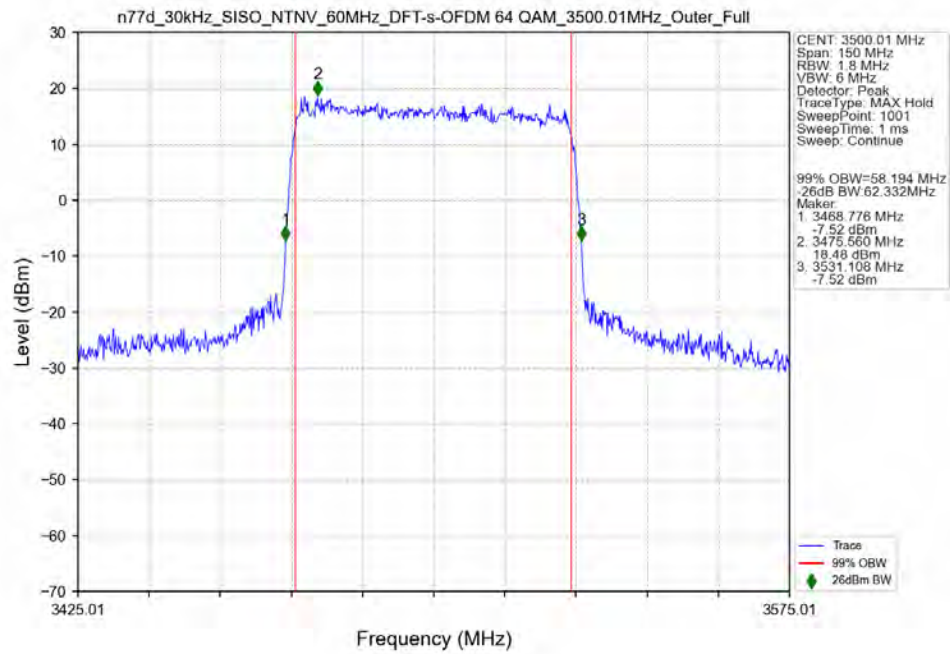
3.2.4 30k_SISO_60MHz_NTNV



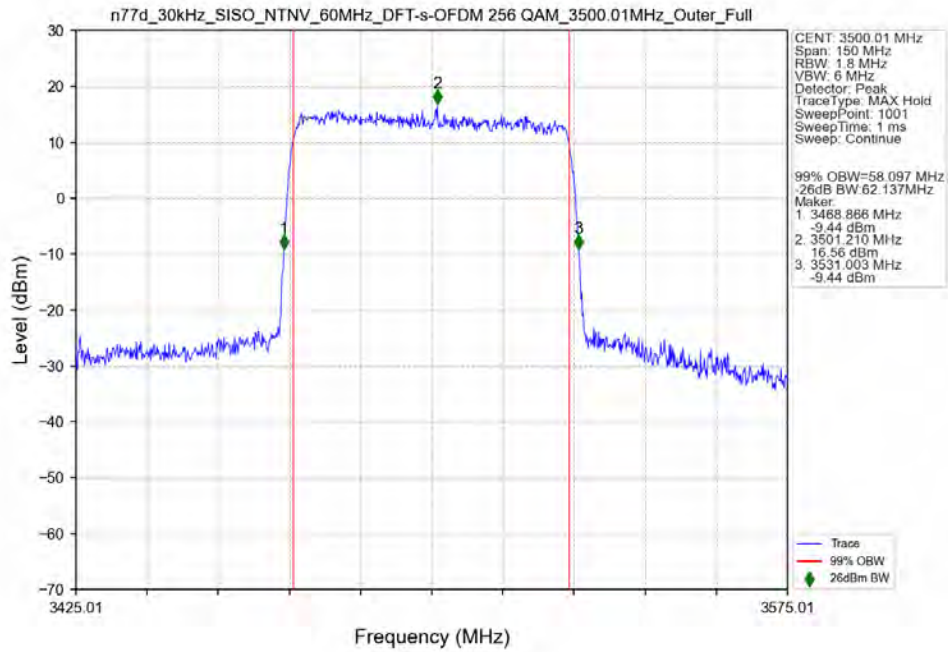
n77d 30kHz SISO NTN 60MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant2



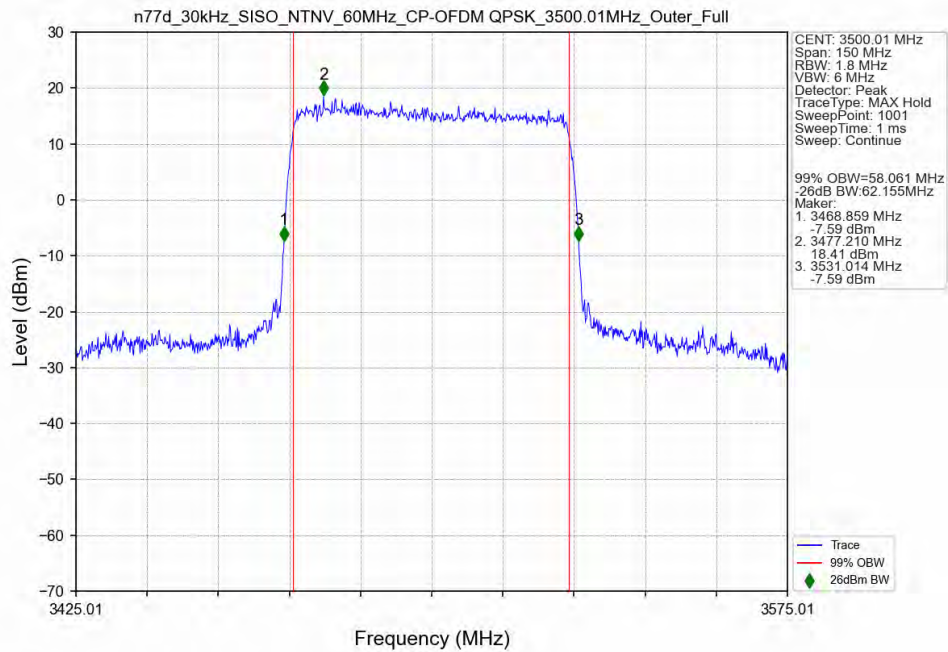
n77d 30kHz SISO NTN 60MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full Ant2



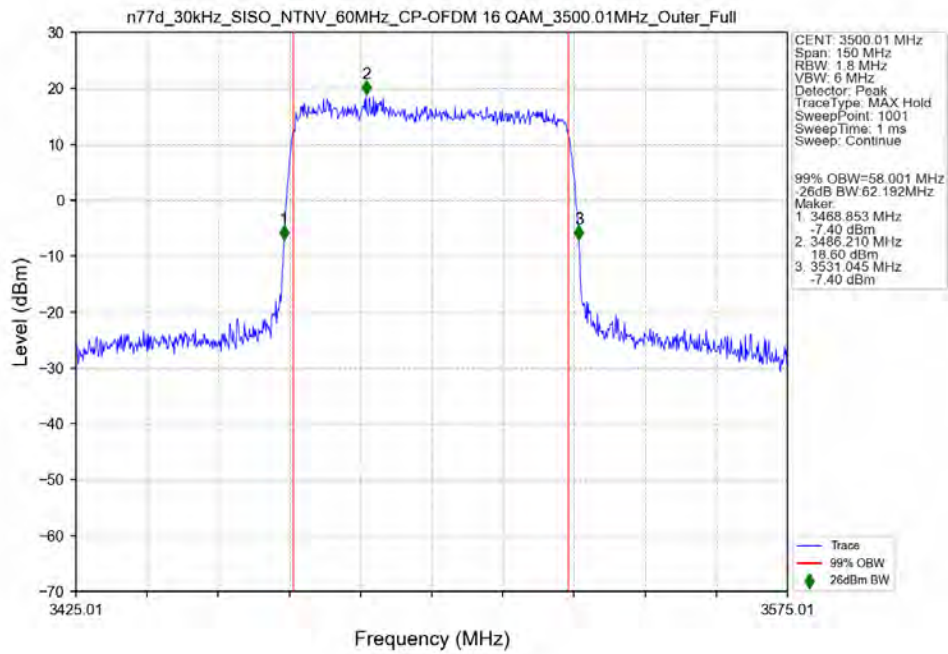
n77d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant2



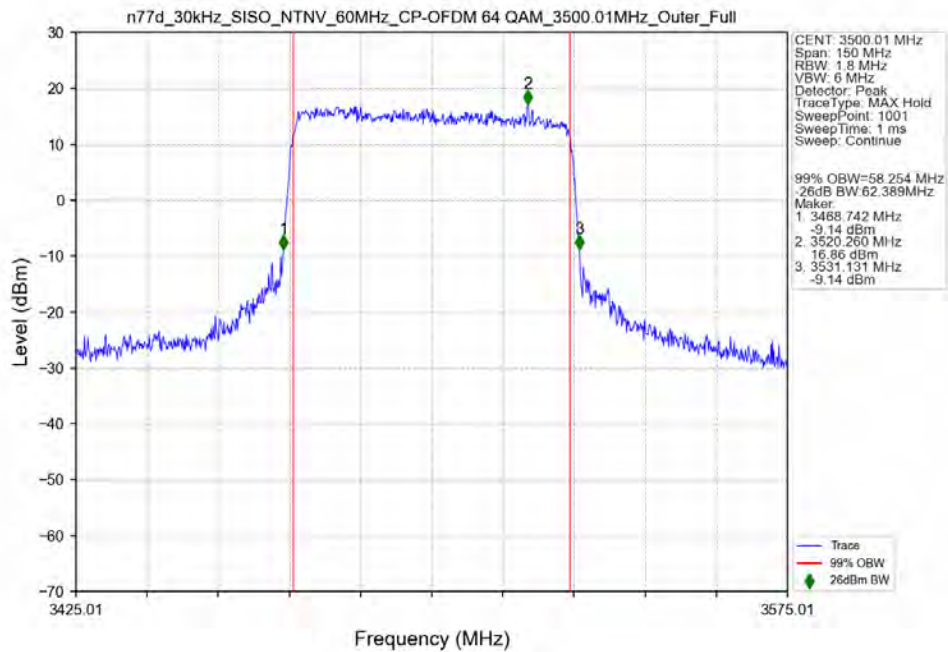
n77d_30kHz_SISO_NTNV_60MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant2



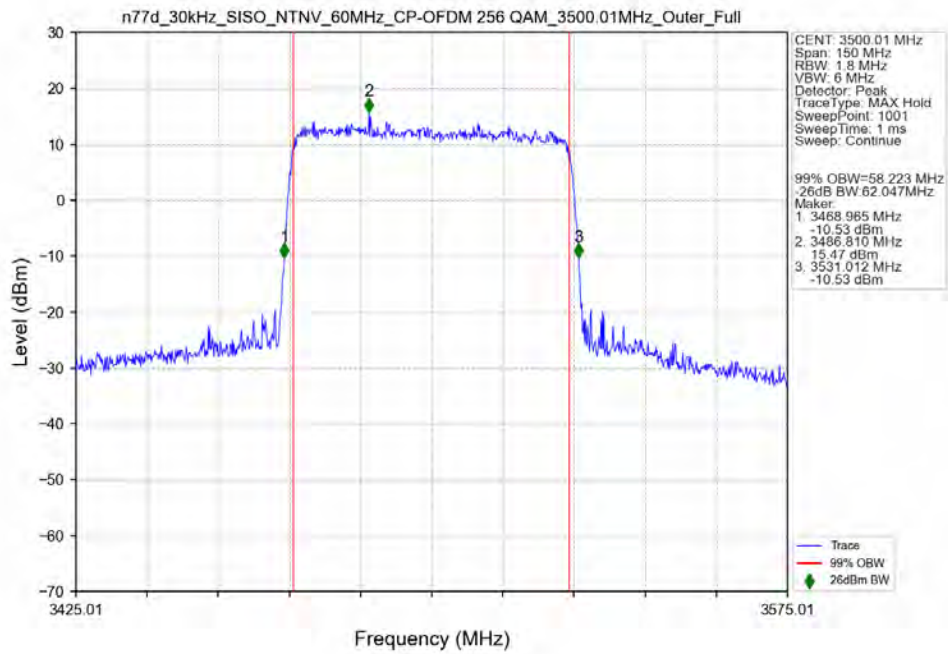
n77d_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM 3500.01MHz_Outer_Full_Ant2



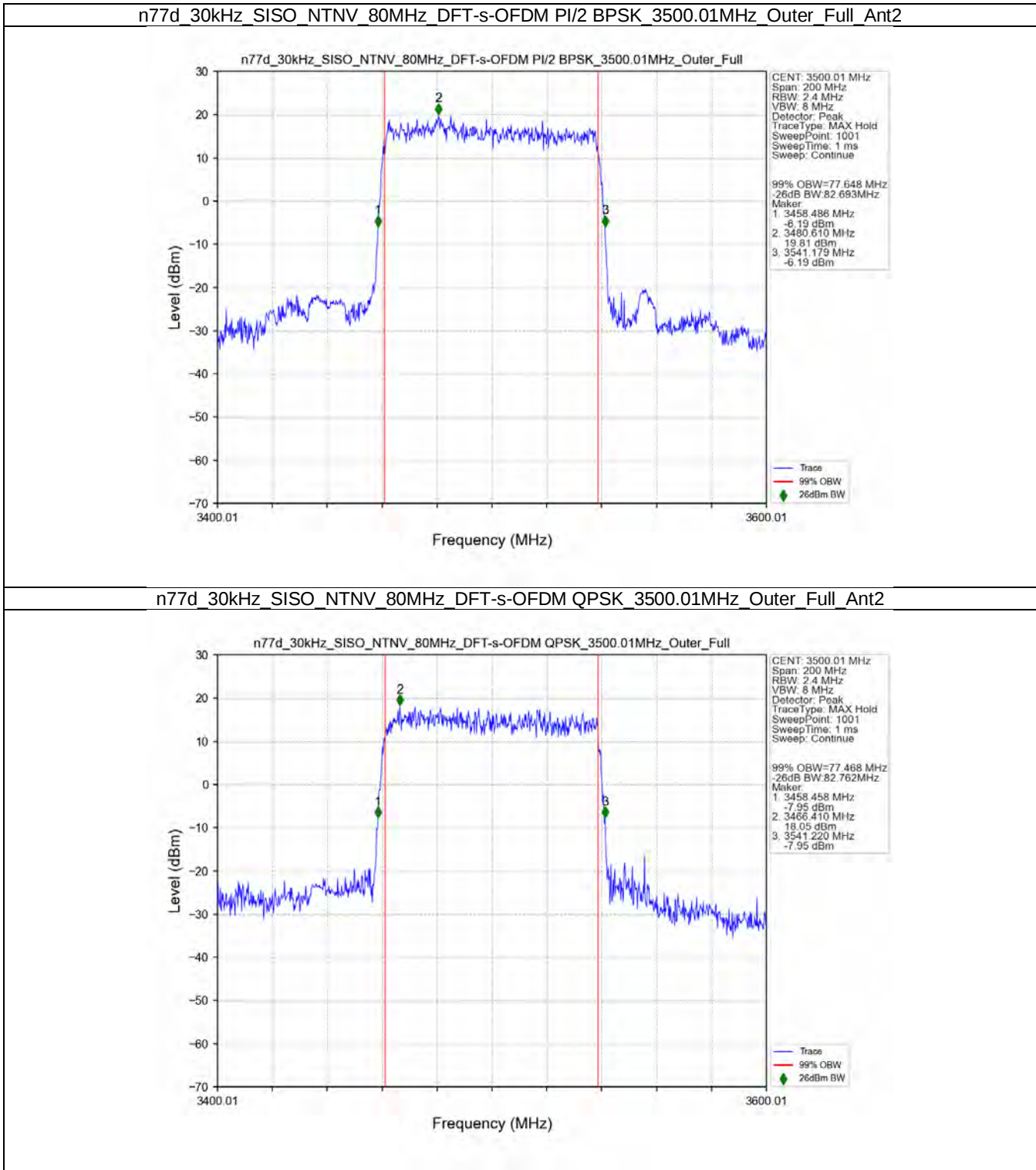
n77d_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM 3500.01MHz_Outer_Full_Ant2



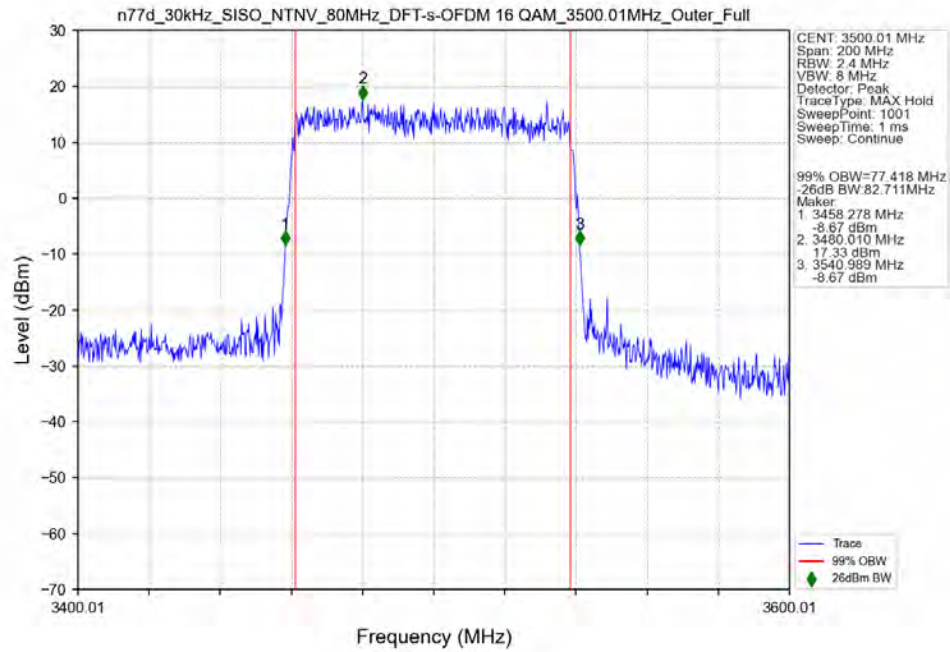
n77d_30kHz_SISO_NTNV_60MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant2



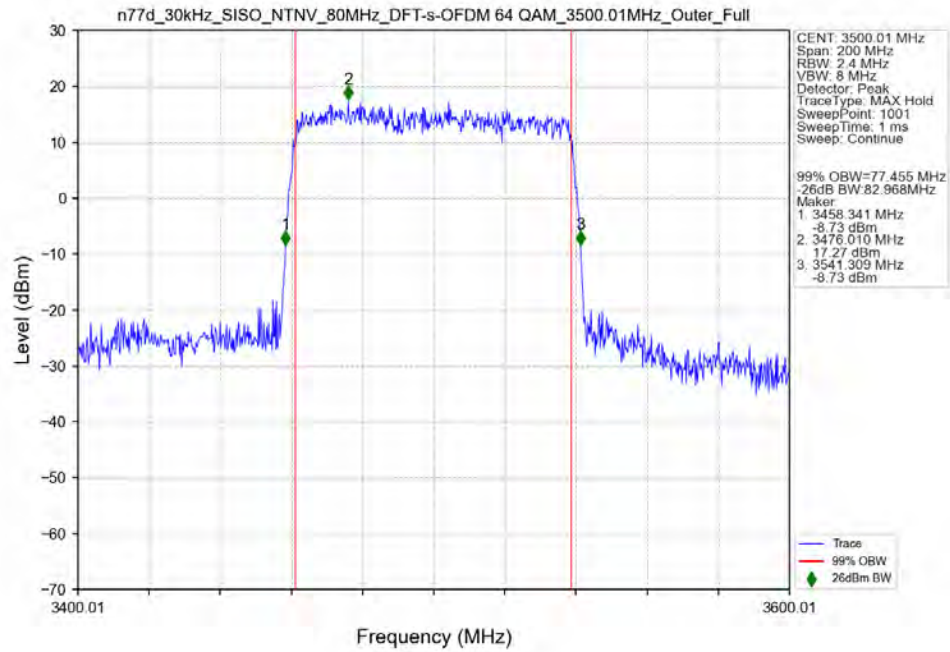
3.2.5 30k_SISO_80MHz_NTNV



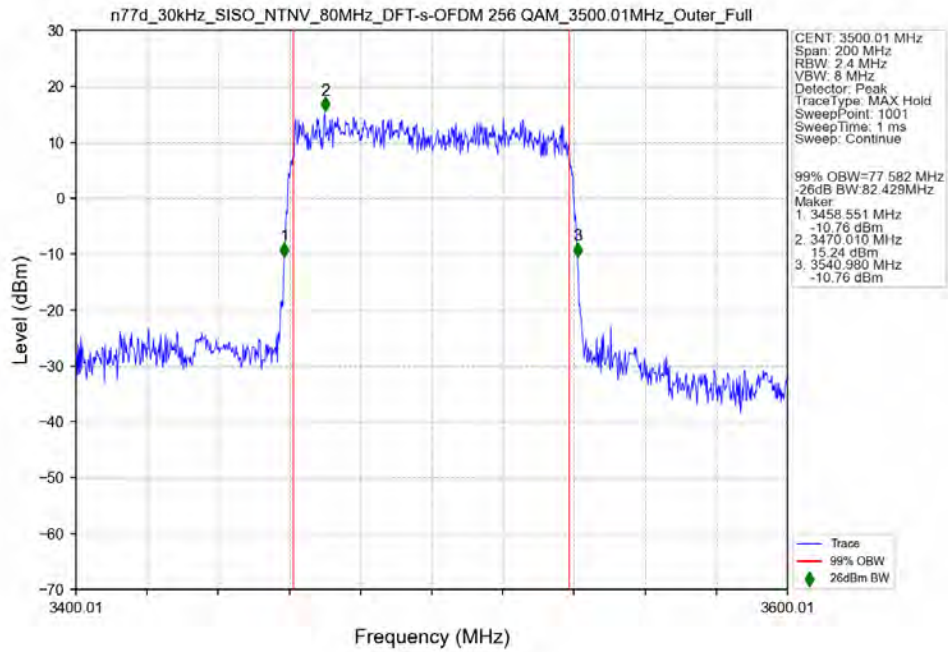
n77d 30kHz SISO NTN 80MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant2



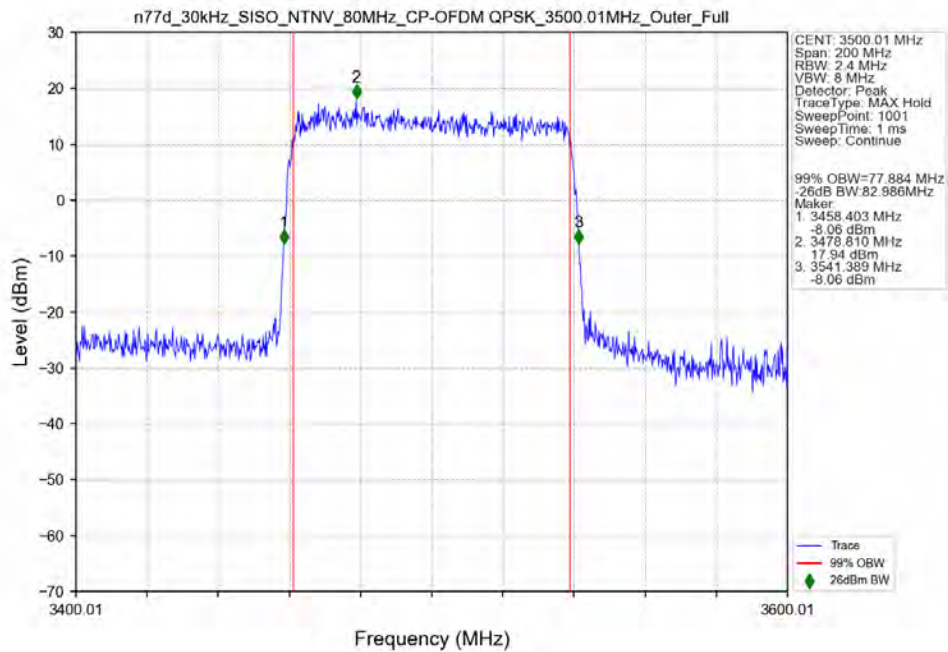
n77d 30kHz SISO NTN 80MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full Ant2



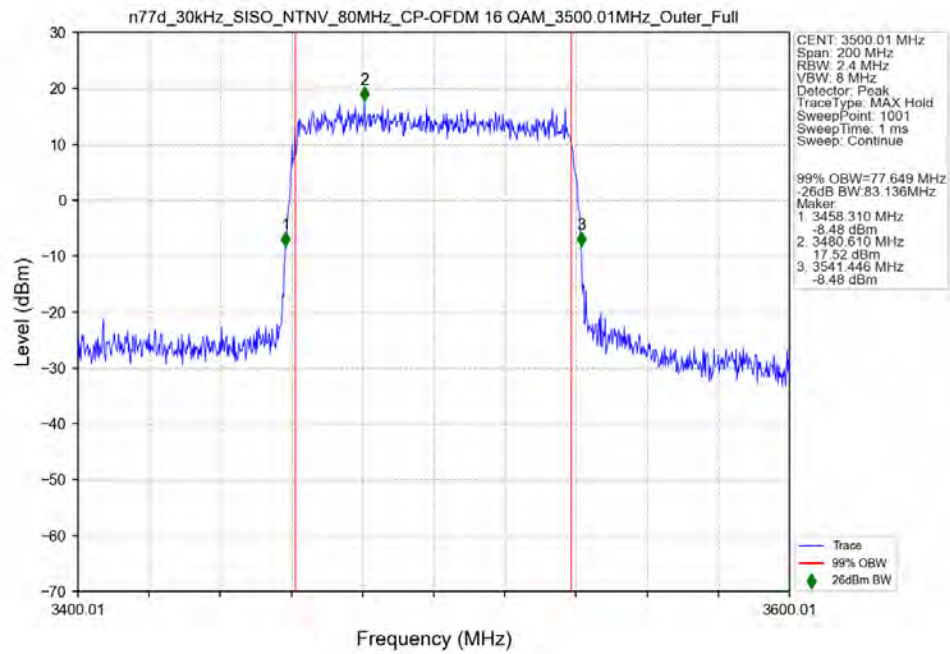
n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant2



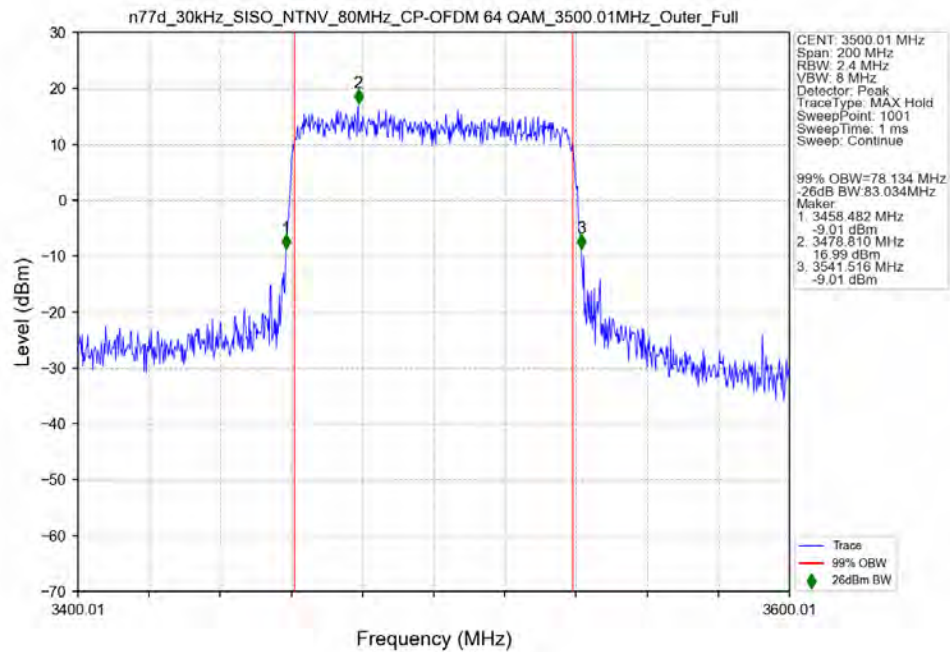
n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant2



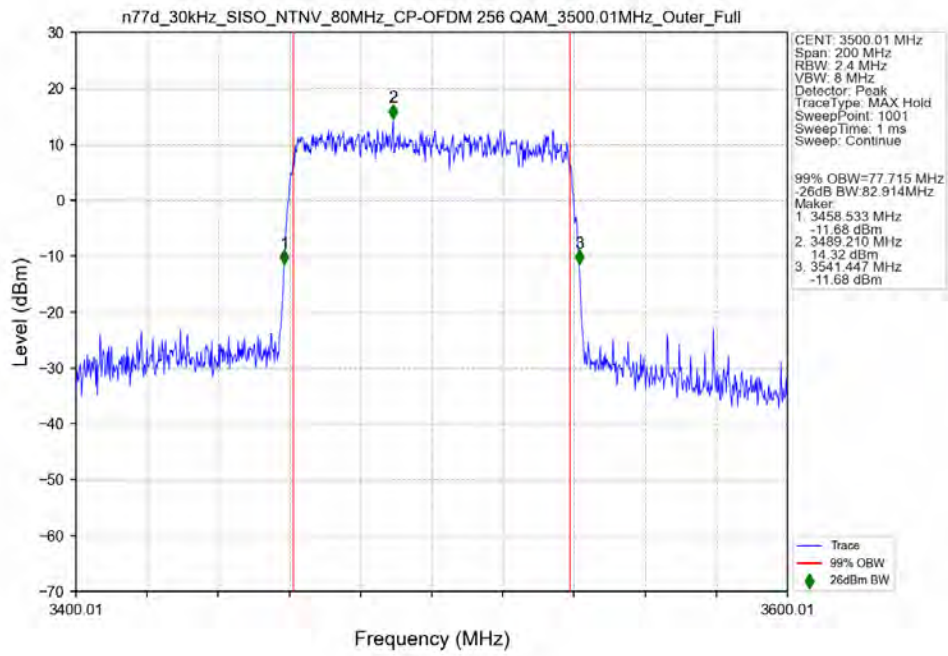
n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM 16 QAM 3500.01MHz_Outer_Full_Ant2



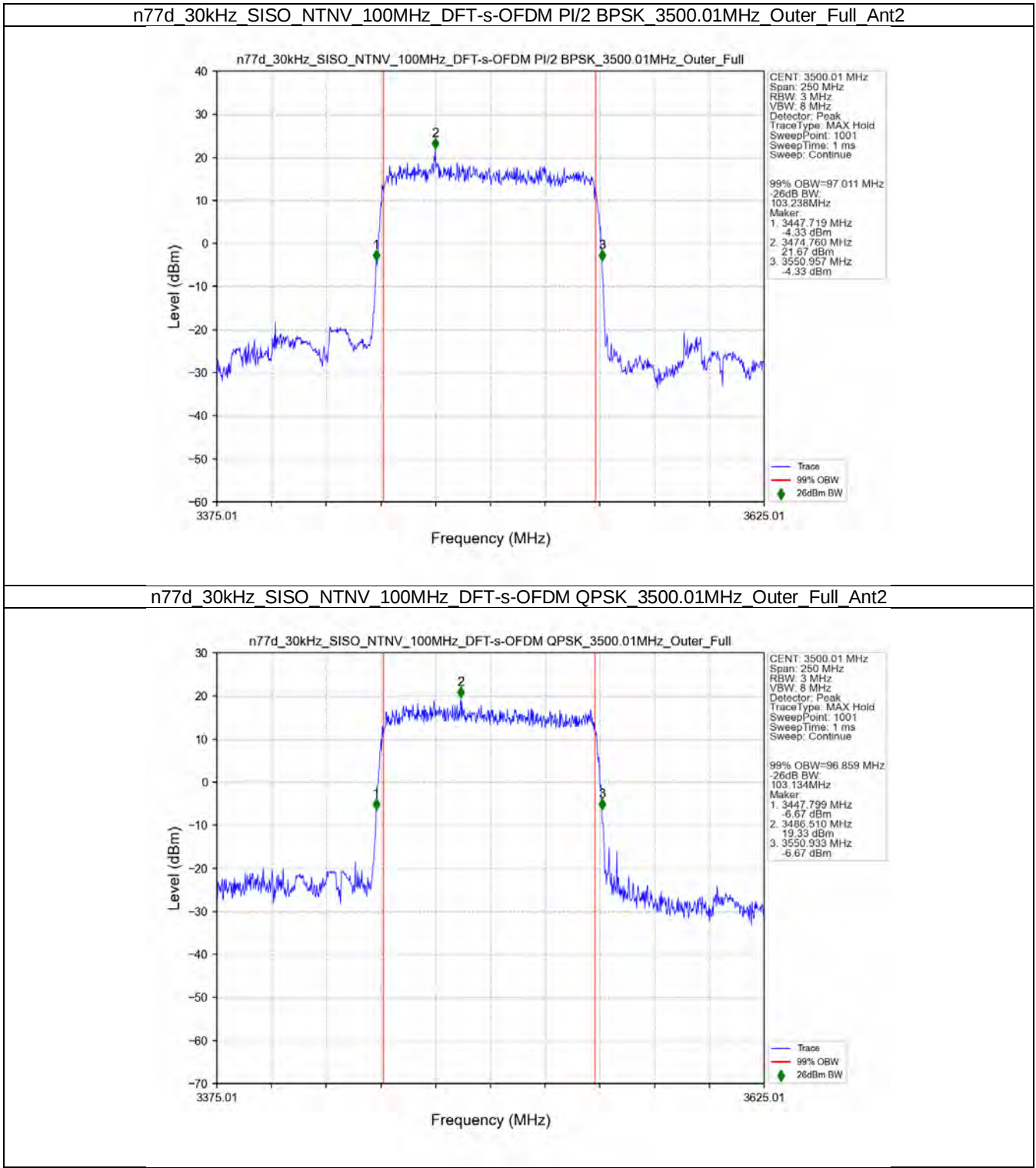
n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM 3500.01MHz_Outer_Full_Ant2



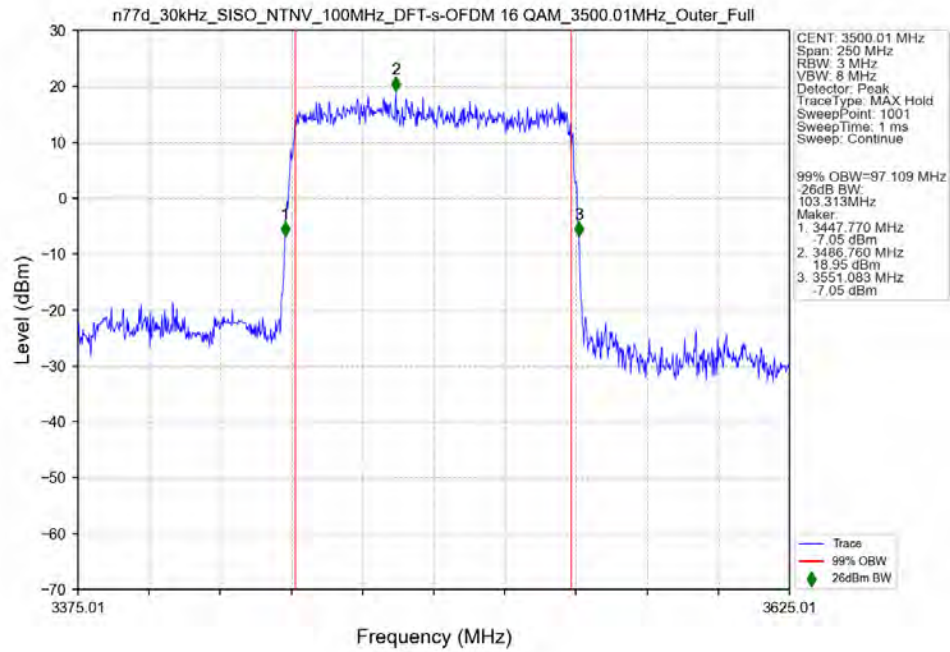
n77d 30kHz SISO NTN 80MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant2



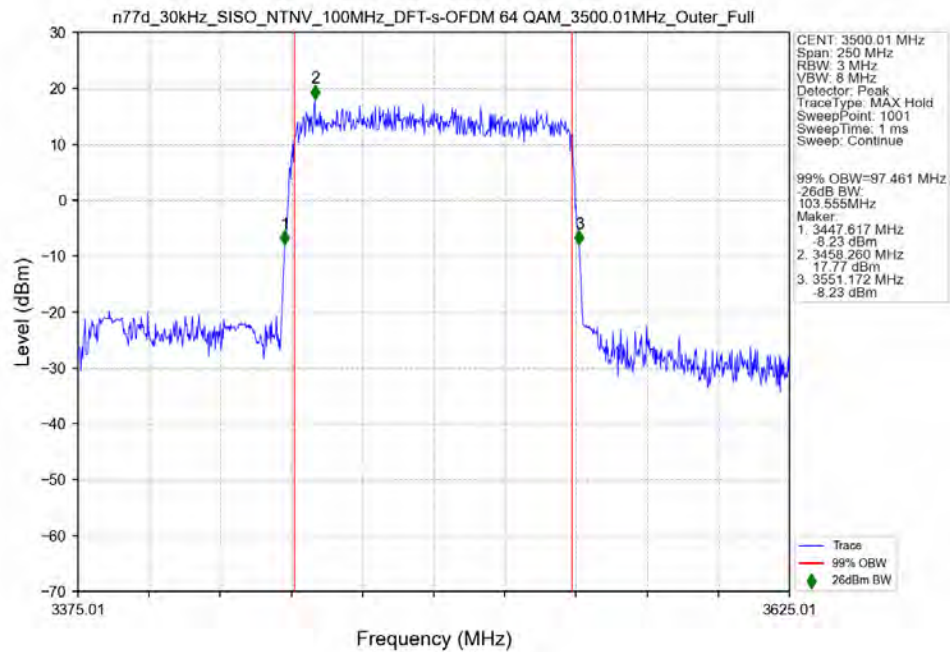
3.2.6 30k_SISO_100MHz_NTNV



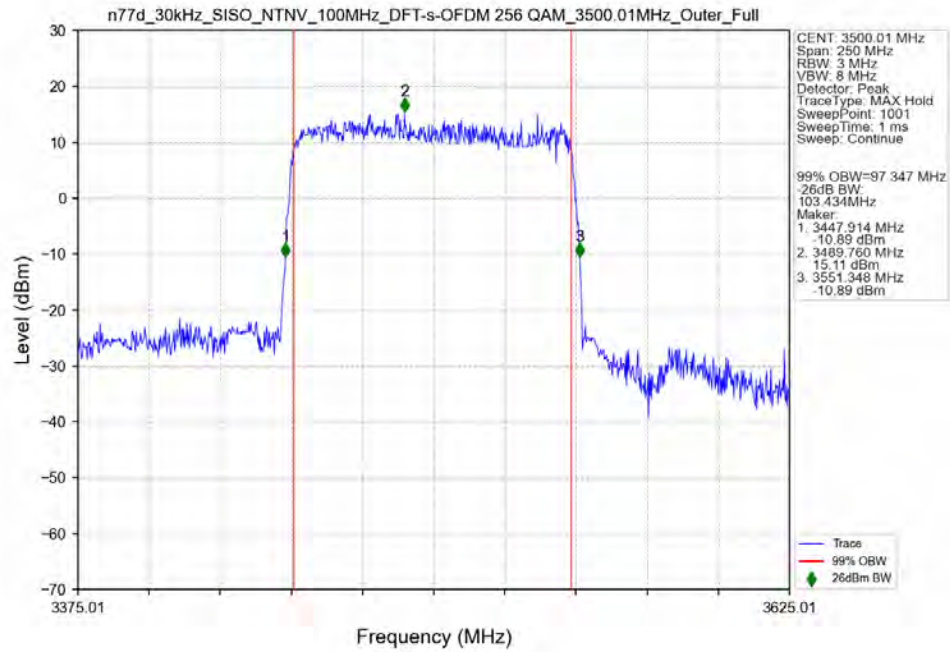
n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 16 QAM 3500.01MHz_Outer_Full_Ant2



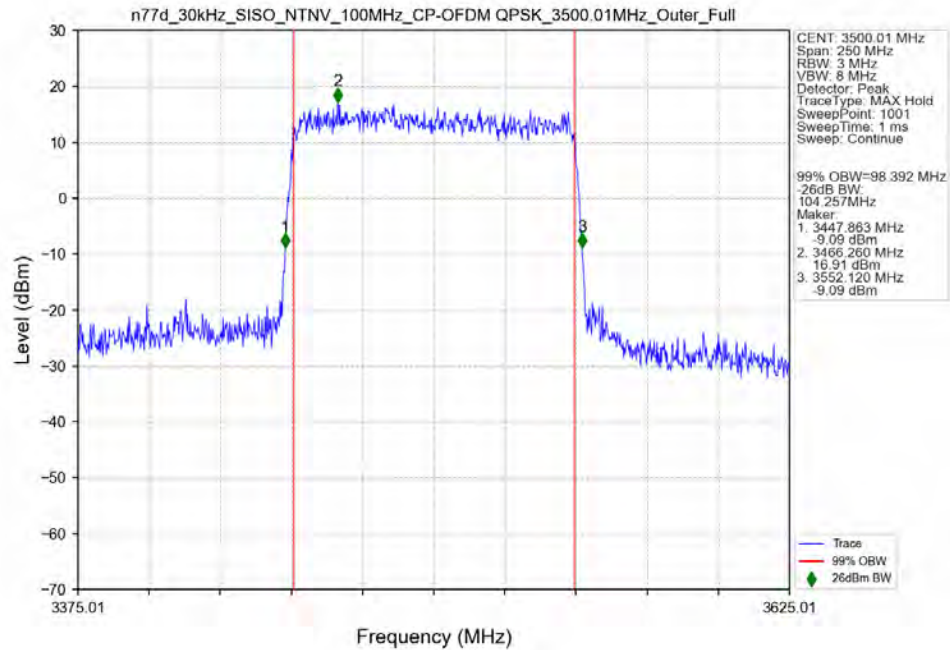
n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM 3500.01MHz_Outer_Full_Ant2



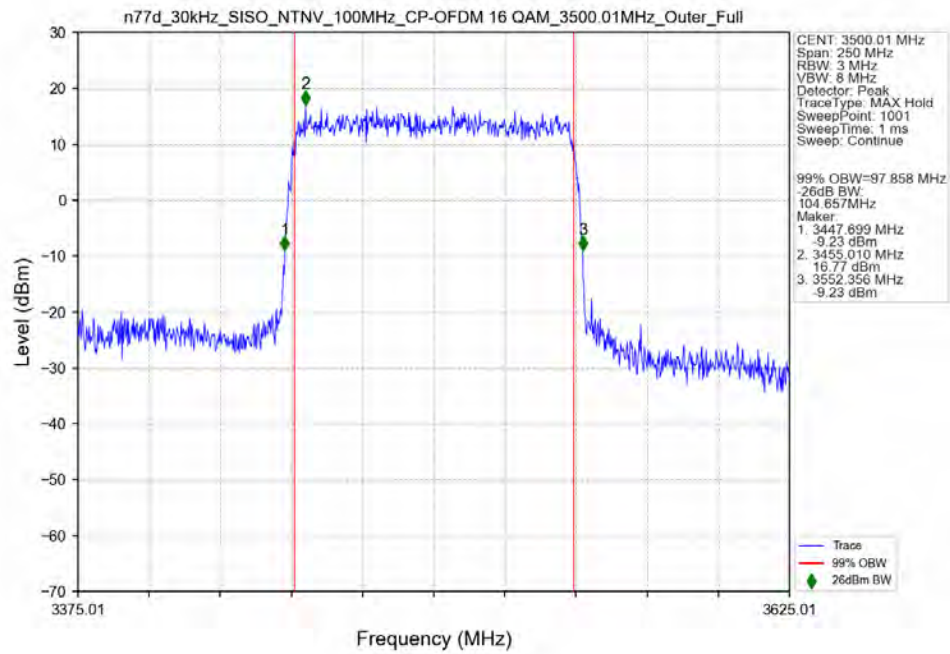
n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant2



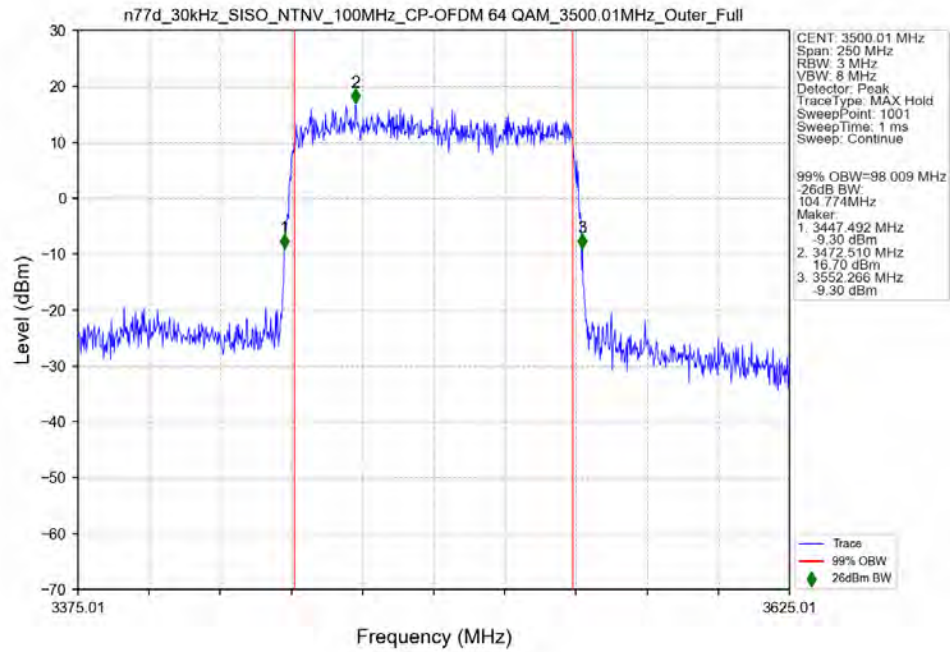
n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant2



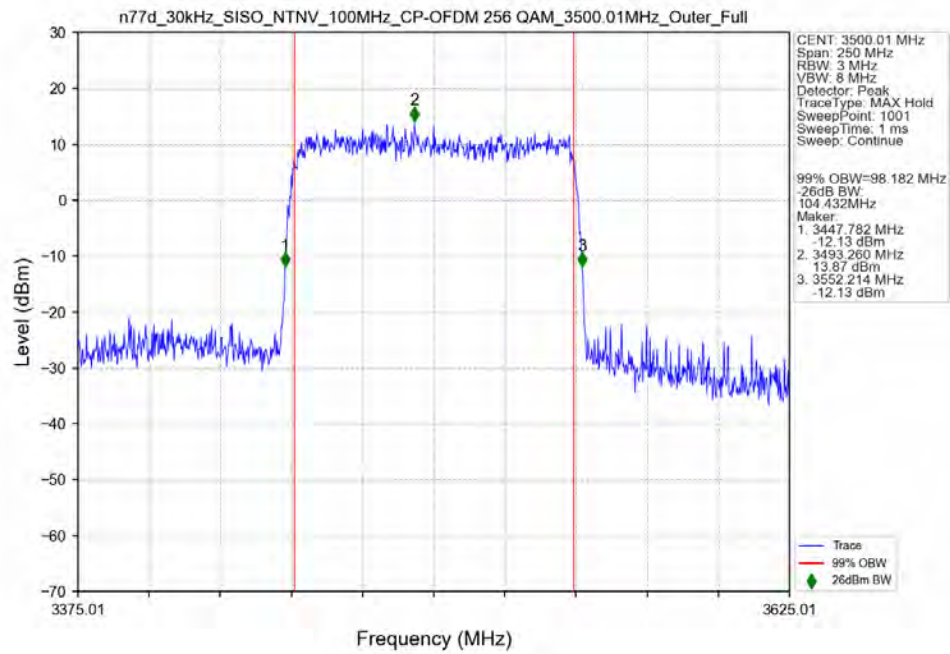
n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant2



n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant2



n77d 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant2



4. Peak-Average Ratio

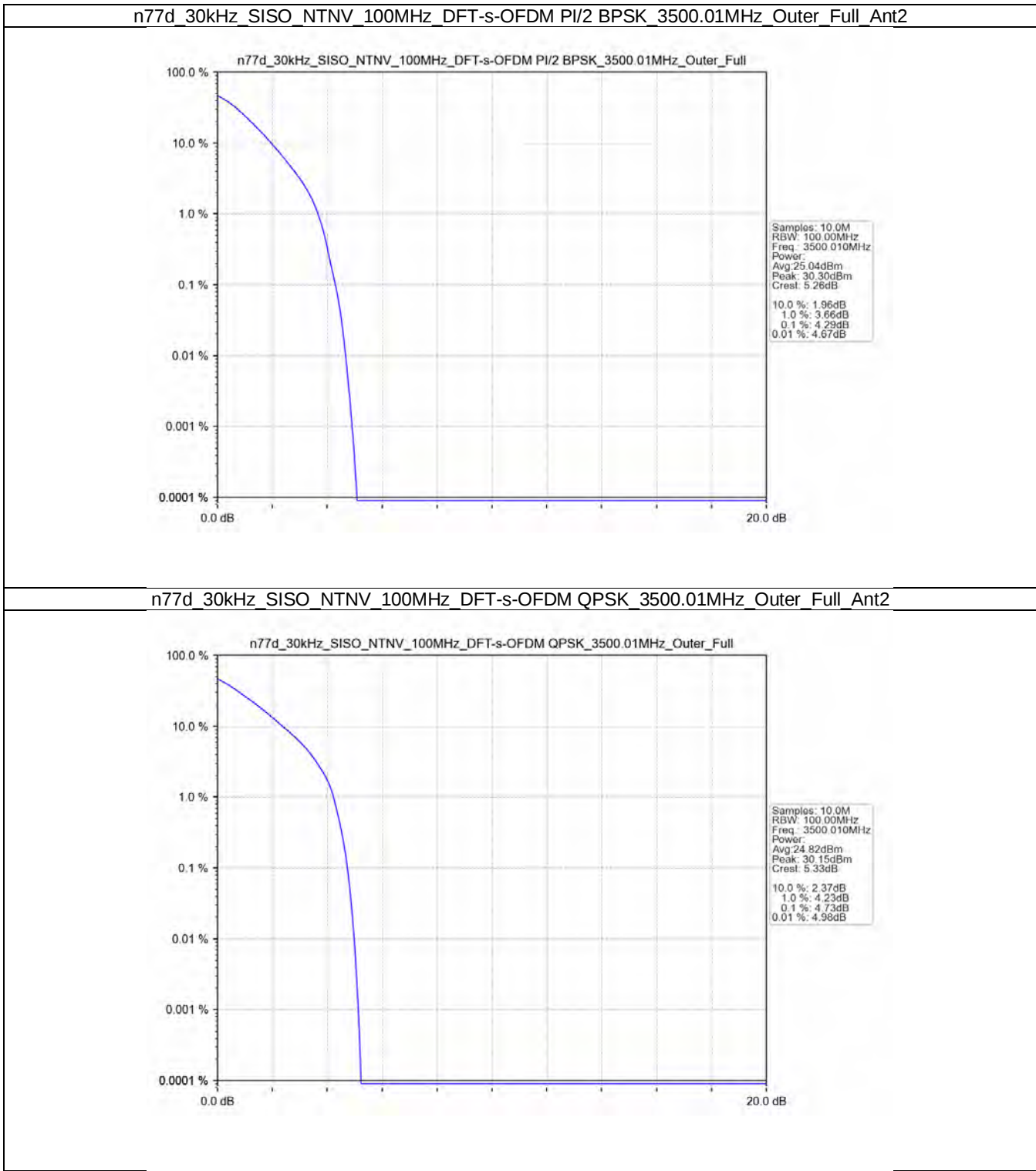
4.1 Test Result

4.1.1 30k_SISO_100MHz_NTNV

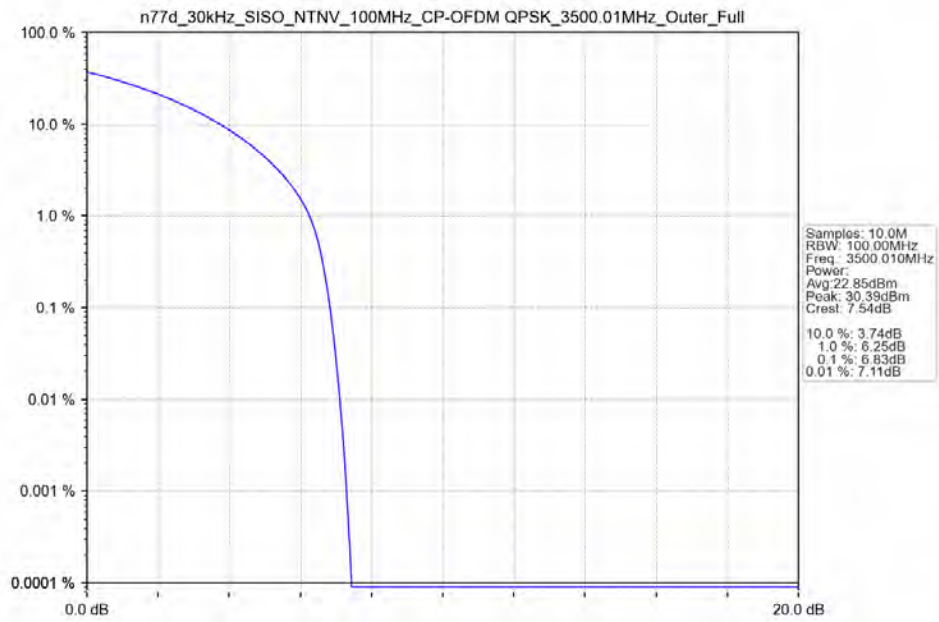
5G NR n77d SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant2	Ant0	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	4.29	/	/	<=13	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	4.73	/	/	<=13	Pass
CP-OFDM QPSK	3500.01	Outer_Full	6.83	/	/	<=13	Pass

4.2 Test Graph

4.2.1 30k_SISO_100MHz_NTNV



n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant2



5. Spurious Emission

5.1 Test Result

5.1.1 30k_SISO_20MHz_NTNV

5G NR n77d SCS=30kHz SISO 20MHz NTNv								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant2	Ant0	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3460.02	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	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3460.02	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	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3460.02	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	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass

5.1.2 30k_SISO_80MHz_NTNV

5G NR n77d SCS=30kHz SISO 80MHz NTNv								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant2	Ant0	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3490.02	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	
		3510	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3490.02	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	
		3510	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3490.02	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	
		3510	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass

5.1.3 30k_SISO_100MHz_NTNV

5G NR n77d SCS=30kHz SISO 100MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant0	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Edge 1RB Left	Refer To Test Graph				Pass

	3500.01	Outer_Full	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
	3499.98	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	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
	3499.98	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass

5.1.4 30k_MIMO_20MHz_NTNV

5G NR n77d SCS=30kHz MIMO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant0	Sum	Limit	
CP-OFDM QPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3540	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass

5.1.5 30k_MIMO_80MHz_NTNV

5G NR n77d SCS=30kHz MIMO 80MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant0	Sum	Limit	
CP-OFDM QPSK	3490.02	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3510	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass

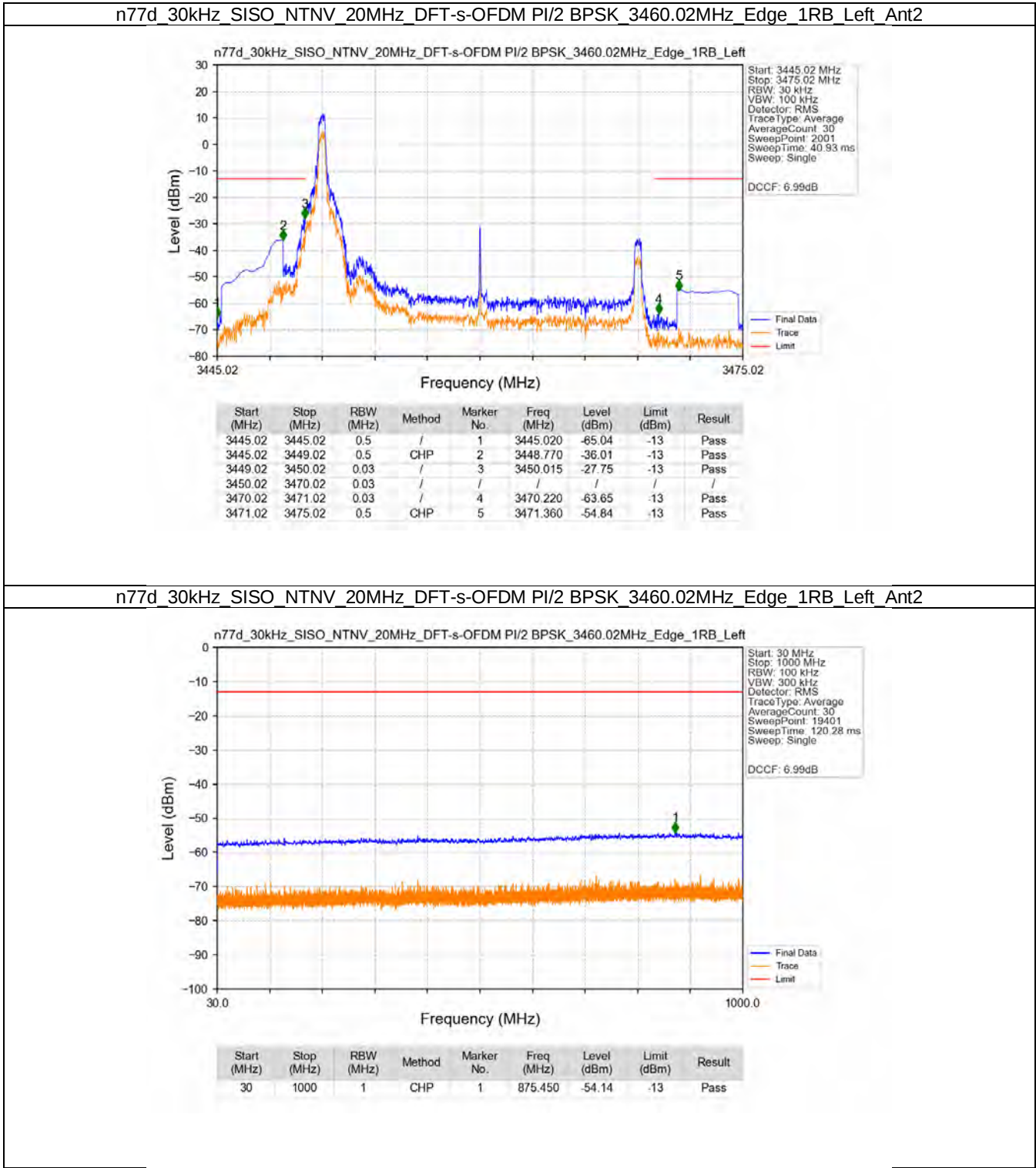
5.1.6 30k_MIMO_100MHz_NTNV

5G NR n77d SCS=30kHz MIMO 100MHz NTN

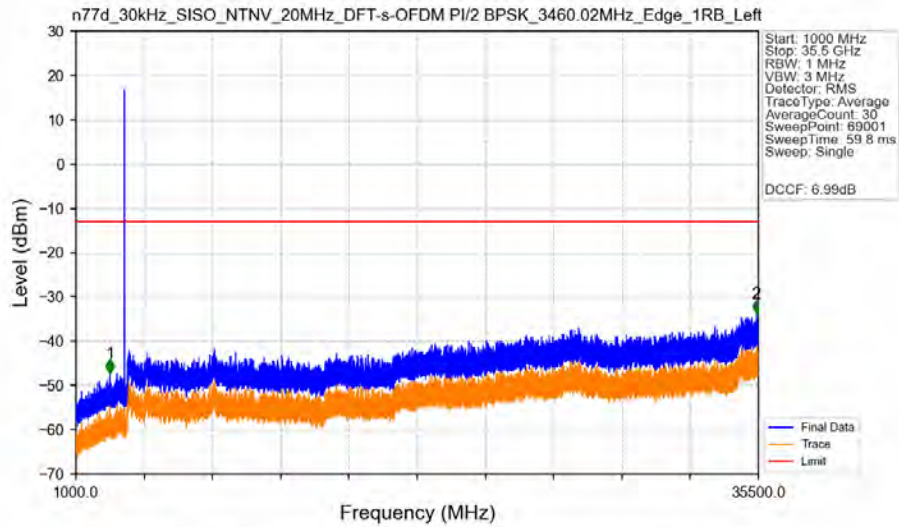
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant0	Sum	Limit	
CP-OFDM QPSK	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3499.98	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass

5.2 Test Graph

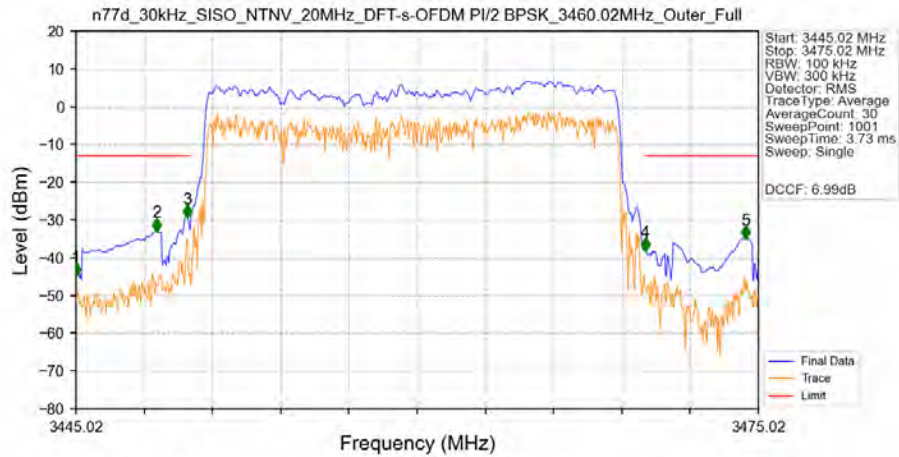
5.2.1 30k_SISO_20MHz_NTNV



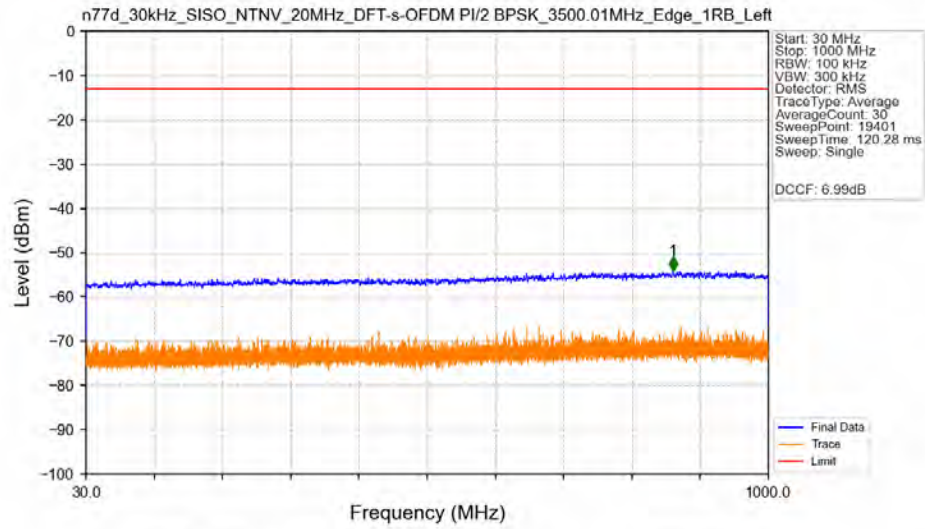
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3460.02MHz_Edge_1RB_Left_Ant2



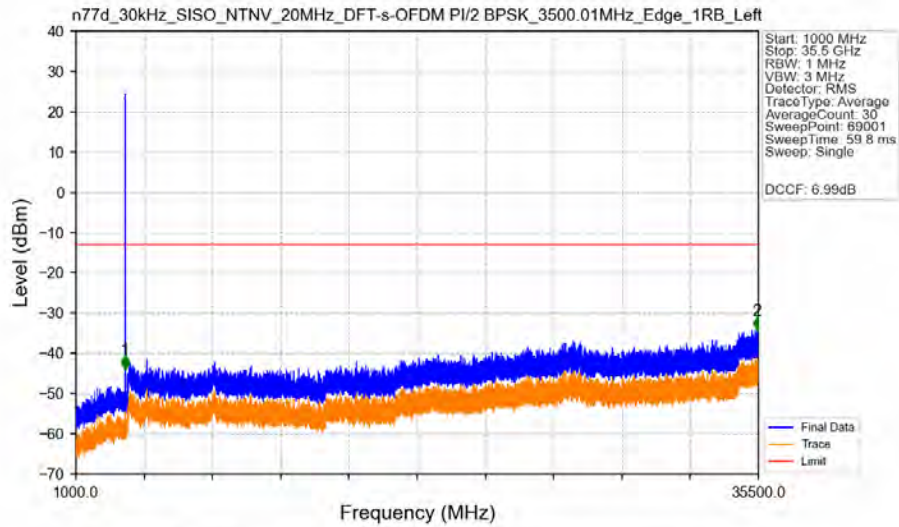
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3460.02MHz_Outer_Full_Ant2



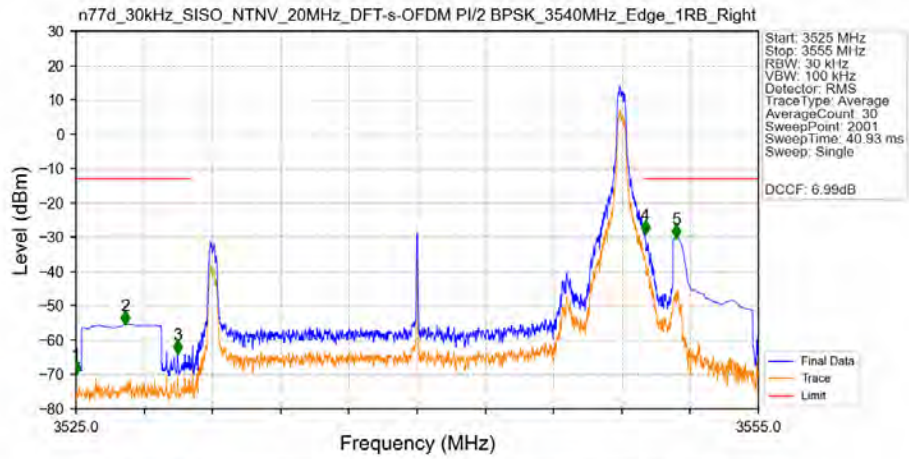
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Edge_1RB_Left_Ant2



n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Edge_1RB_Left_Ant2

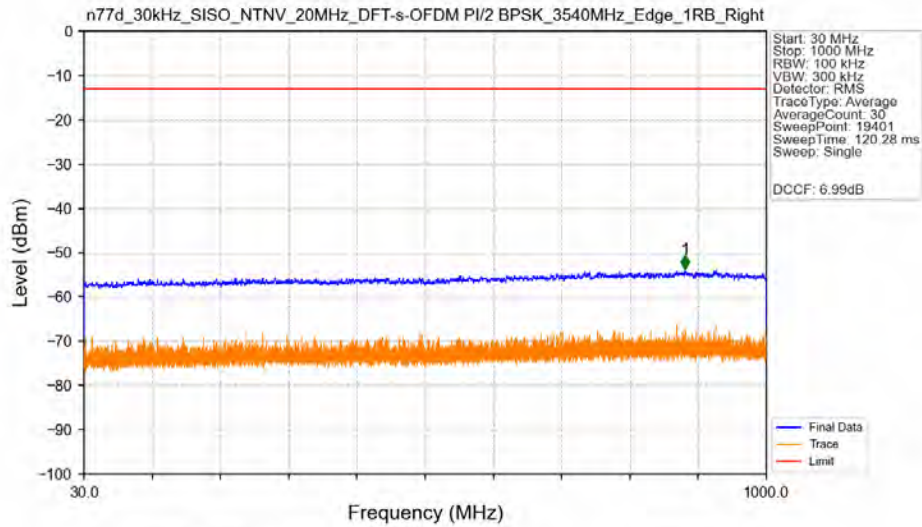


n77d 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3540MHz Edge 1RB Right Ant2



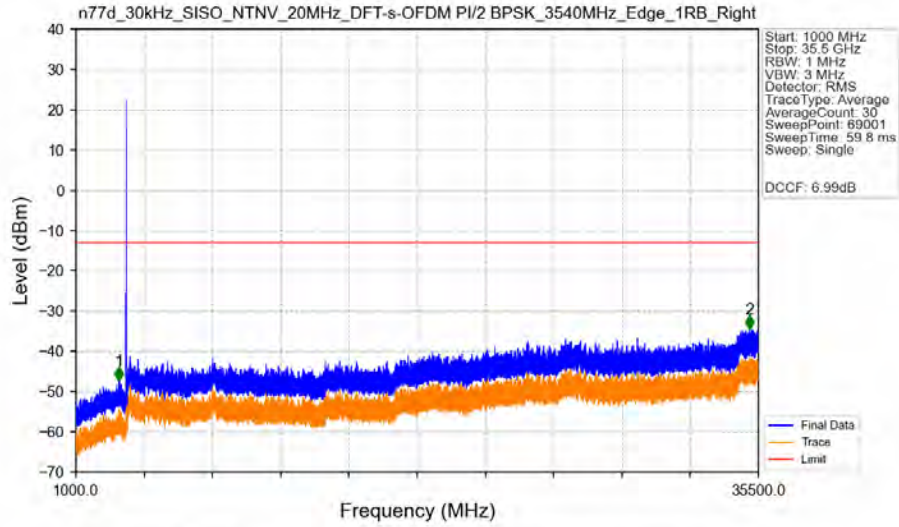
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3525	0.5	/	1	3525.000	-69.68	-13	Pass
3525	3529	0.5	CHP	2	3527.175	-55.28	-13	Pass
3529	3530	0.03	/	3	3529.455	-63.66	-13	Pass
3530	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.020	-28.90	-13	Pass
3551	3555	0.5	CHP	5	3551.385	-30.14	-13	Pass

n77d 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3540MHz Edge 1RB Right Ant2

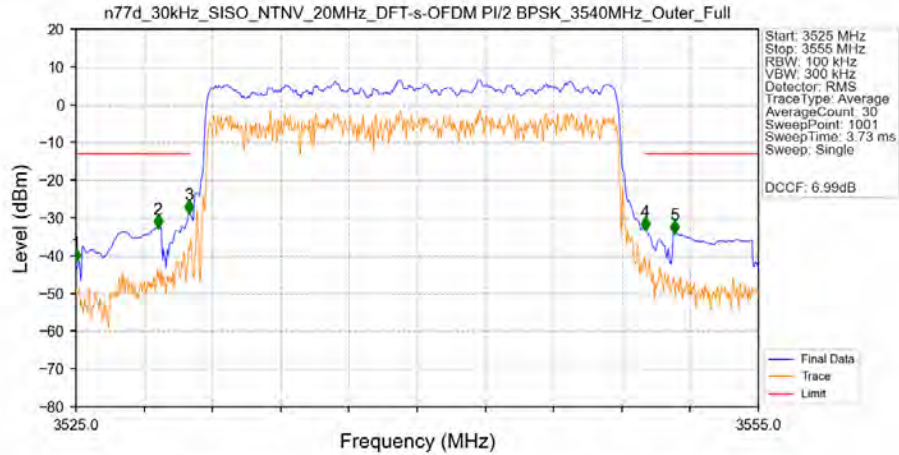


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	884.500	-53.74	-13	Pass

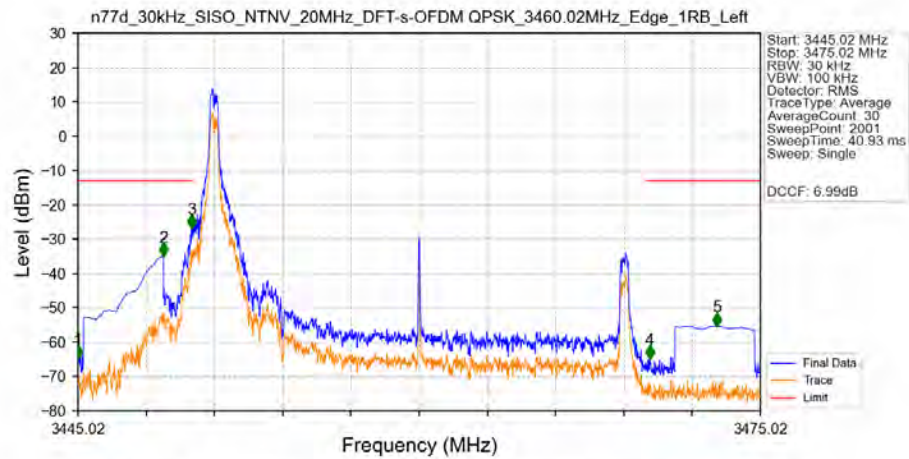
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3540MHz Edge 1RB Right Ant2



n77d 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3540MHz Outer_Full Ant2

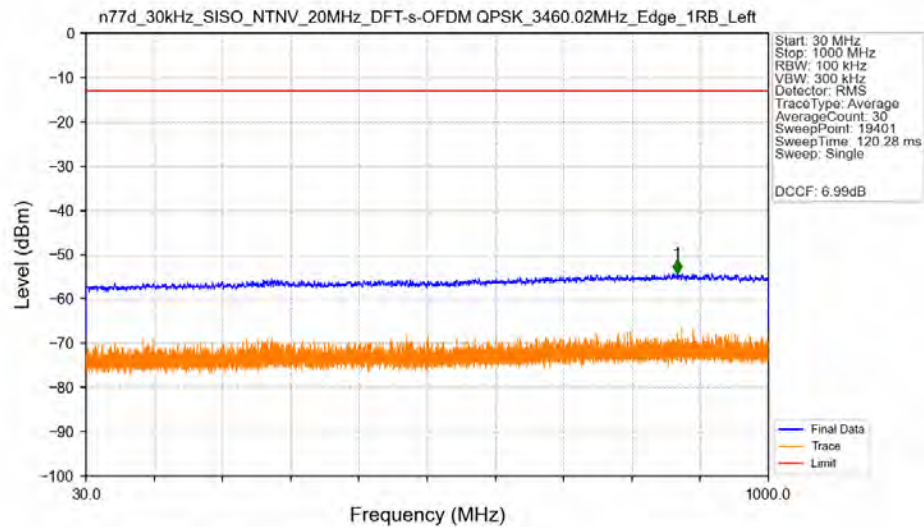


n77d 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3460.02MHz Edge 1RB Left Ant2



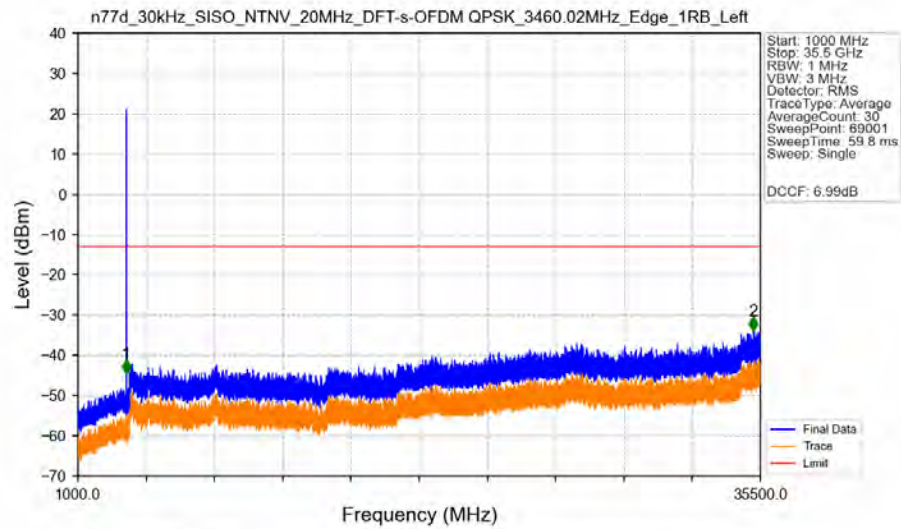
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-64.68	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.770	-34.80	-13	Pass
3449.02	3450.02	0.03	/	3	3450.015	-26.46	-13	Pass
3450.02	3470.02	0.03	/	/	/	/	/	/
3470.02	3471.02	0.03	/	4	3470.160	-64.63	-13	Pass
3471.02	3475.02	0.5	CHP	5	3473.115	-55.13	-13	Pass

n77d 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3460.02MHz Edge 1RB Left Ant2



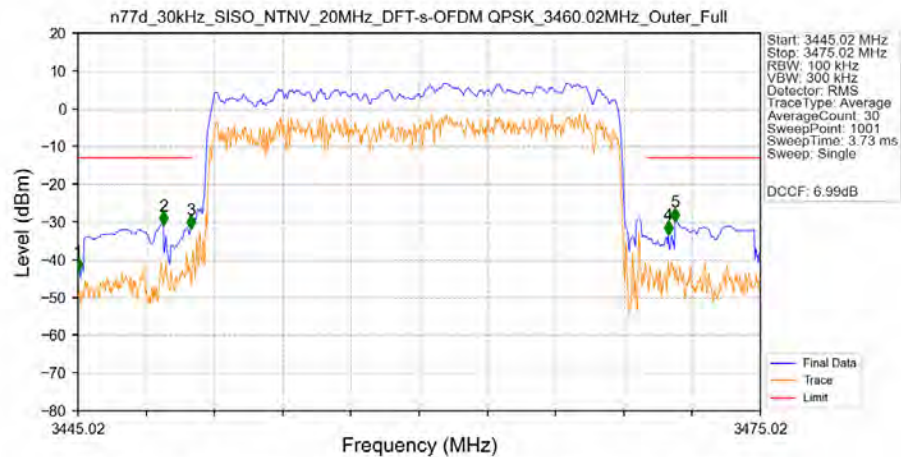
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	870.350	-54.14	-13	Pass

n77d 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3460.02MHz Edge 1RB Left Ant2



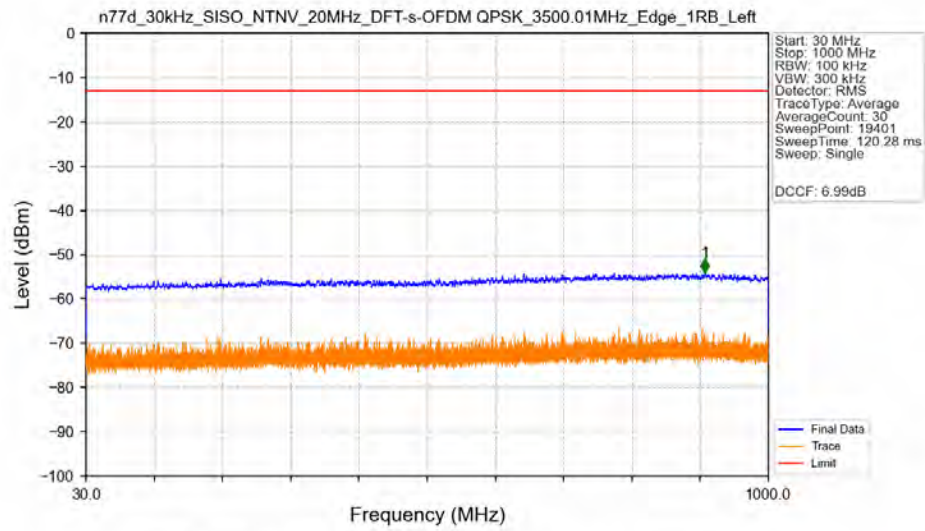
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3442.000	-44.54	-13	Pass
3445.02	3475.02	1	/	/	/	/	/	/
3475.02	35500	1	/	2	35145.000	-33.96	-13	Pass

n77d 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3460.02MHz Outer_Full Ant2

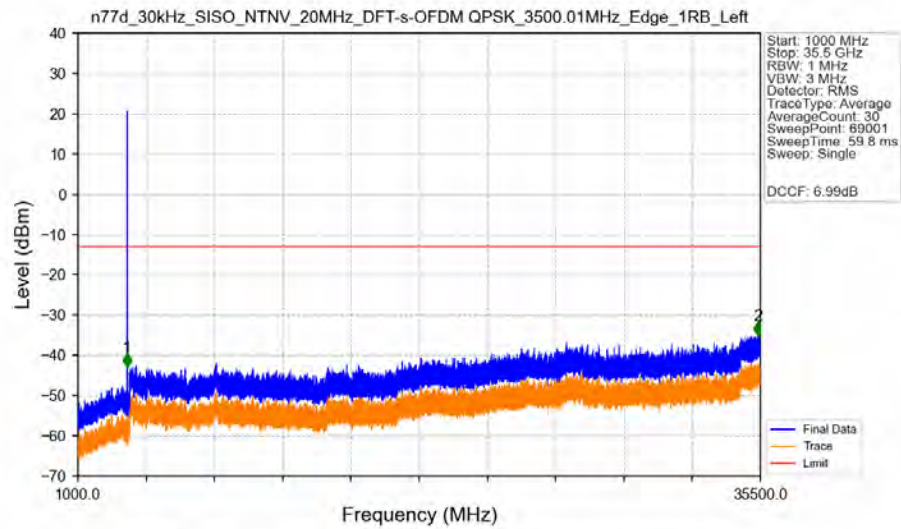


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-42.75	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.770	-30.55	-13	Pass
3449.02	3450.02	0.19918	CHP	3	3450.000	-31.58	-13	Pass
3450.02	3470.02	0.19918	CHP	/	/	/	/	/
3470.02	3471.02	0.19918	CHP	4	3470.970	-33.03	-13	Pass
3471.02	3475.02	0.5	CHP	5	3471.270	-29.56	-13	Pass

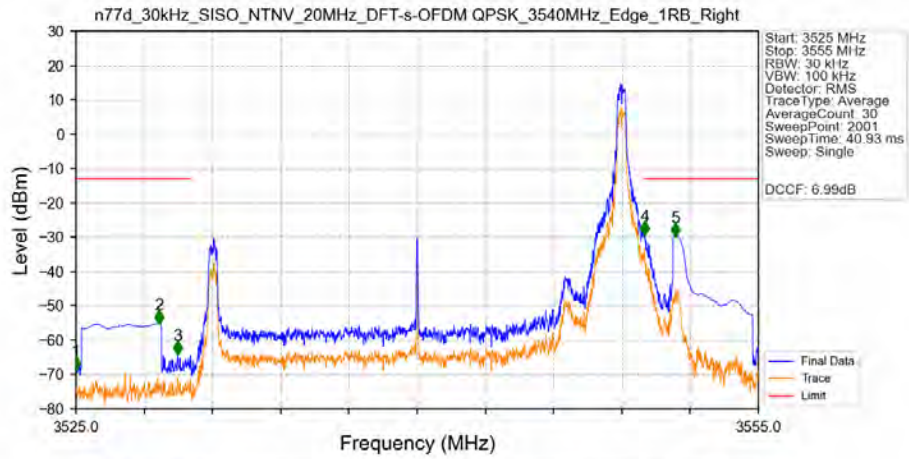
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant2



n77d 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant2

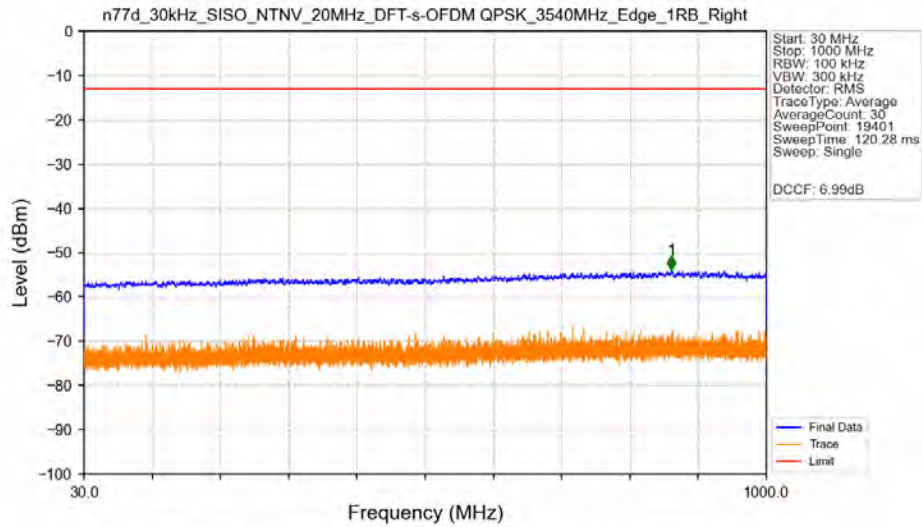


n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant2



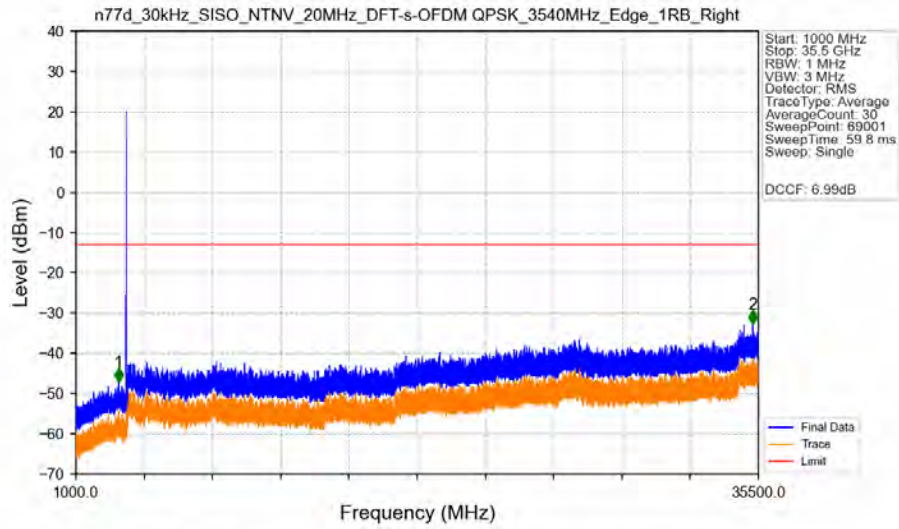
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3525	0.5	/	1	3525.000	-68.43	-13	Pass
3525	3529	0.5	CHP	2	3528.660	-55.01	-13	Pass
3529	3530	0.03	/	3	3529.470	-63.90	-13	Pass
3530	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.005	-29.14	-13	Pass
3551	3555	0.5	CHP	5	3551.340	-29.61	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant2



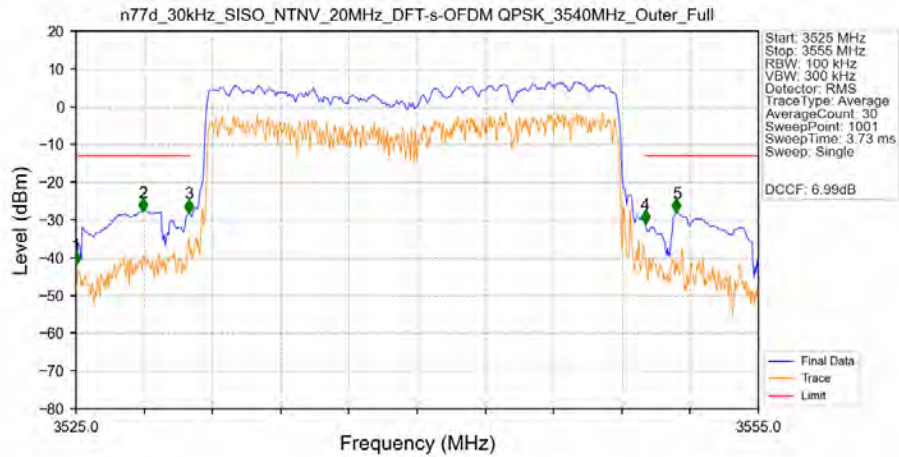
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	865.150	-53.89	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant2



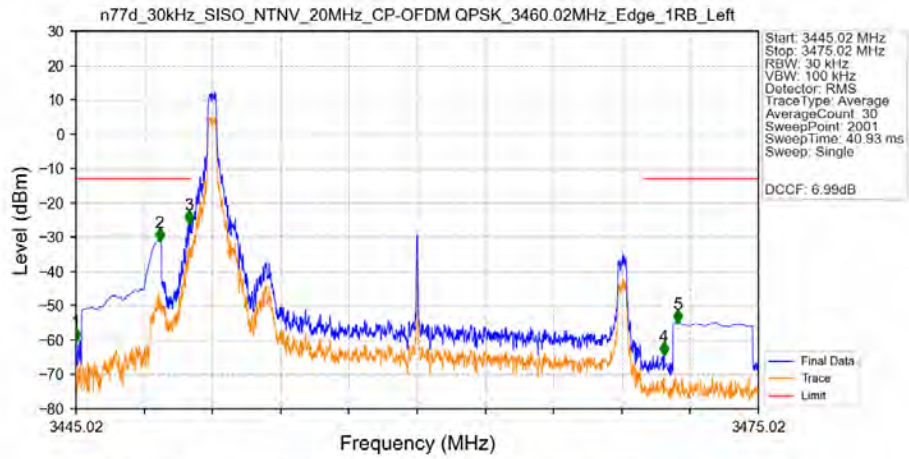
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3525	1	/	1	3153.000	-47.16	-13	Pass
3525	3555	1	/	/	/	/	/	/
3555	35500	1	/	2	35218.000	-32.70	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Outer_Full_Ant2



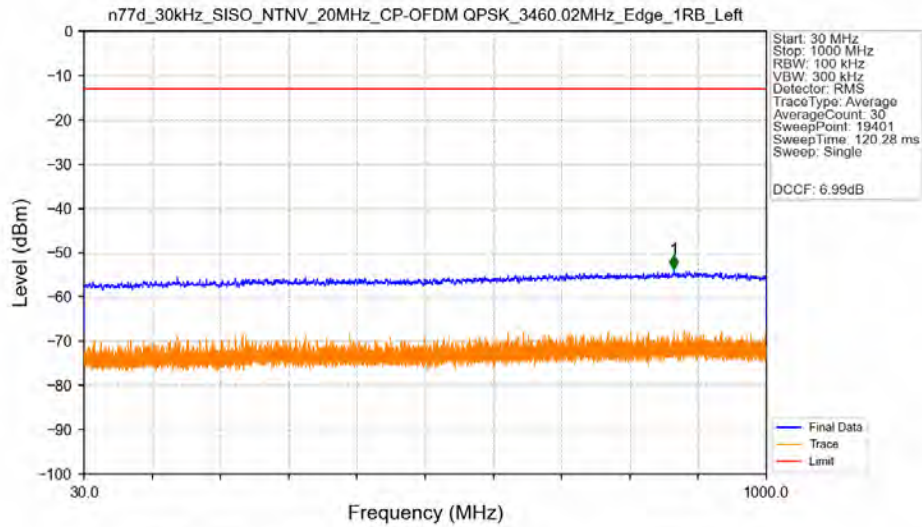
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3525	0.5	/	1	3525.000	-41.52	-13	Pass
3525	3529	0.5	CHP	2	3527.940	-27.60	-13	Pass
3529	3530	0.2	CHP	3	3529.980	-27.89	-13	Pass
3530	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.020	-30.77	-13	Pass
3551	3555	0.5	CHP	5	3551.400	-27.74	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left_Ant2



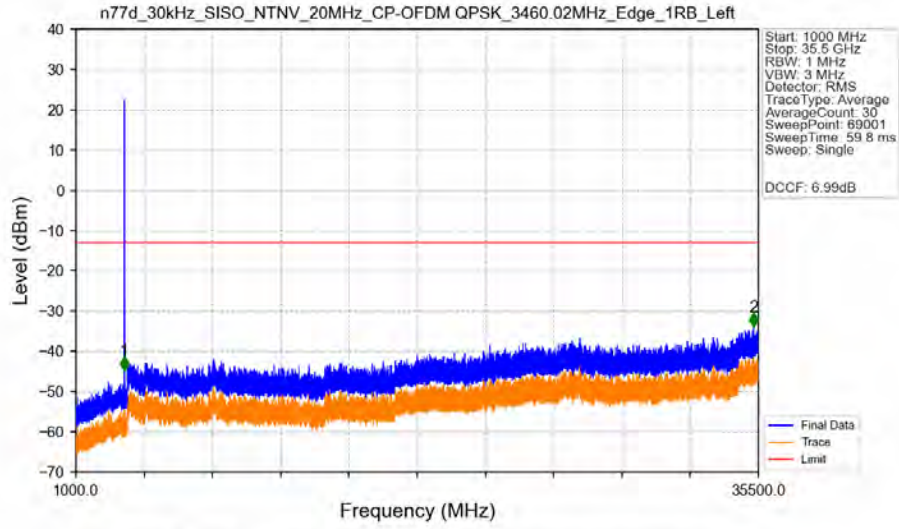
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-60.03	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.695	-31.08	-13	Pass
3449.02	3450.02	0.03	/	3	3449.985	-25.92	-13	Pass
3450.02	3470.02	0.03	/	/	/	/	/	/
3470.02	3471.02	0.03	/	4	3470.865	-64.12	-13	Pass
3471.02	3475.02	0.5	CHP	5	3471.465	-54.70	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left_Ant2



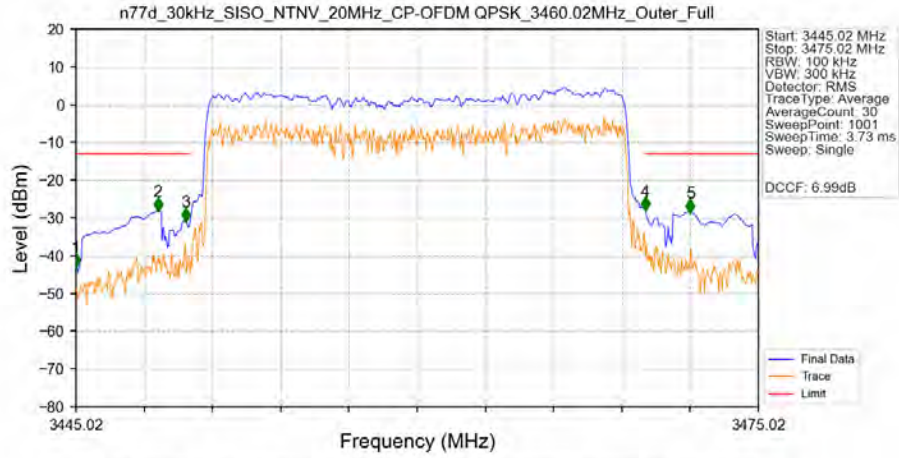
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	868.350	-53.72	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left_Ant2



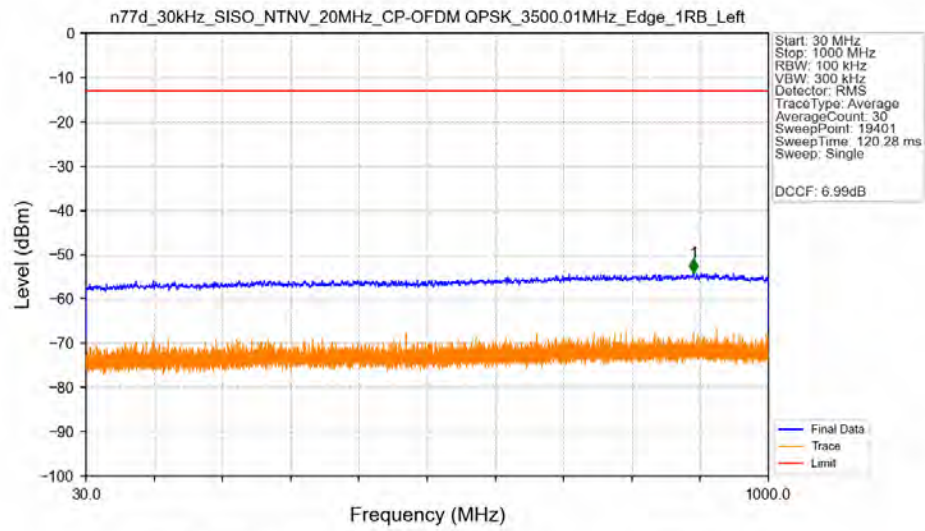
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3441.000	-44.78	-13	Pass
3445.02	3475.02	1	/	/	/	/	/	/
3475.02	3500	1	/	2	35263.000	-33.96	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Outer_Full_Ant2



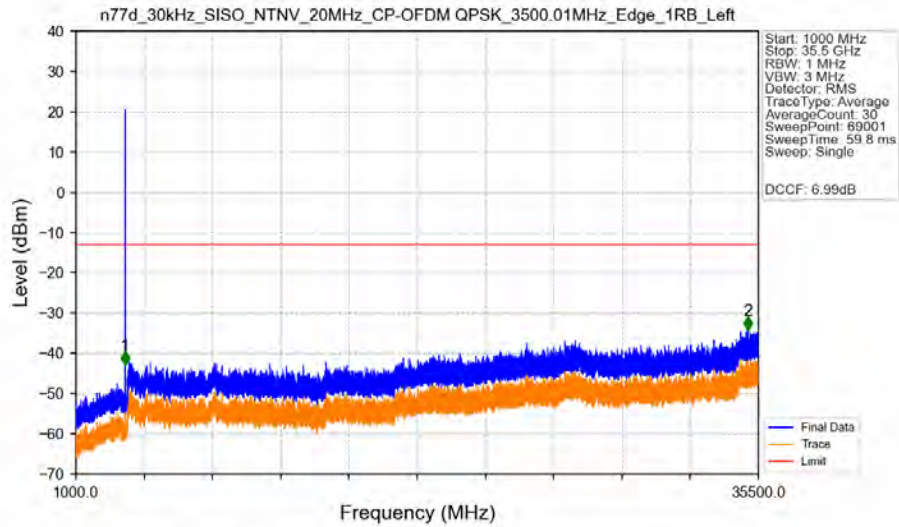
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-42.62	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.620	-27.85	-13	Pass
3449.02	3450.02	0.19918	CHP	3	3449.850	-30.64	-13	Pass
3450.02	3470.02	0.19918	CHP	/	/	/	/	/
3470.02	3471.02	0.19918	CHP	4	3470.040	-27.79	-13	Pass
3471.02	3475.02	0.5	CHP	5	3472.020	-28.29	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



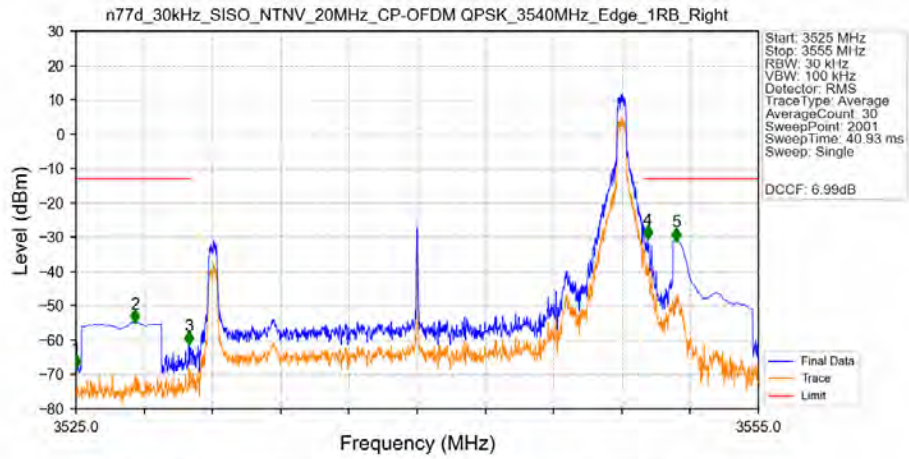
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	893.900	-54.07	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



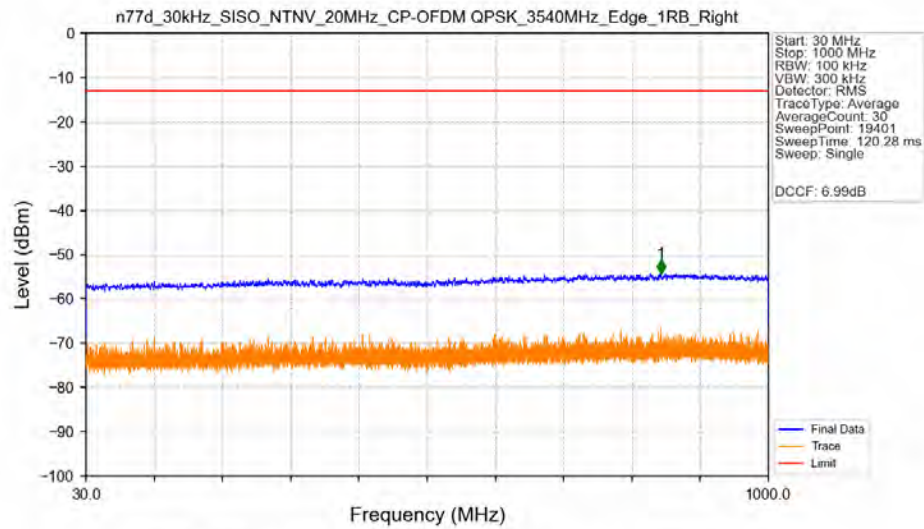
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3485.01	1	/	1	3482.000	-42.84	-13	Pass
3485.01	3515.01	1	/	/	/	/	/	/
3515.01	35500	1	/	2	34970.000	-34.30	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant2



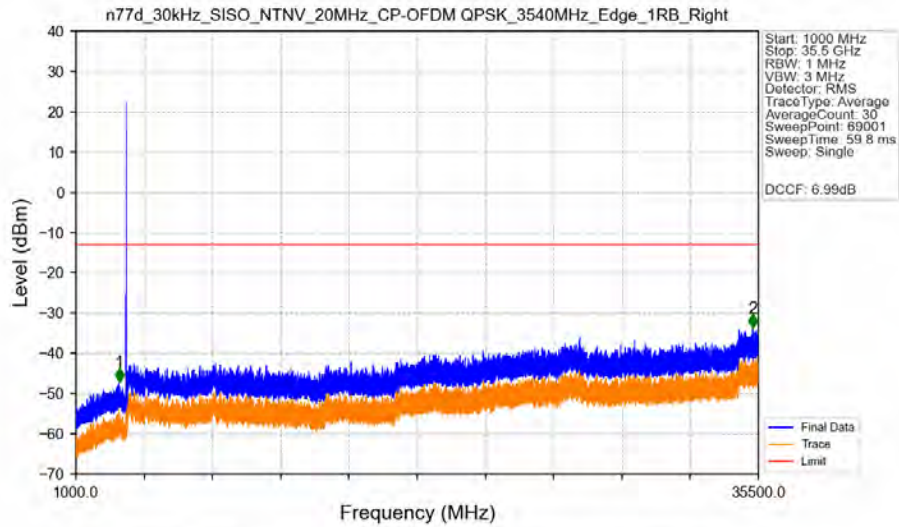
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3525	0.5	/	1	3525.000	-67.82	-13	Pass
3525	3529	0.5	CHP	2	3527.580	-54.73	-13	Pass
3529	3530	0.03	/	3	3529.965	-61.11	-13	Pass
3530	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.125	-30.34	-13	Pass
3551	3555	0.5	CHP	5	3551.370	-30.87	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant2



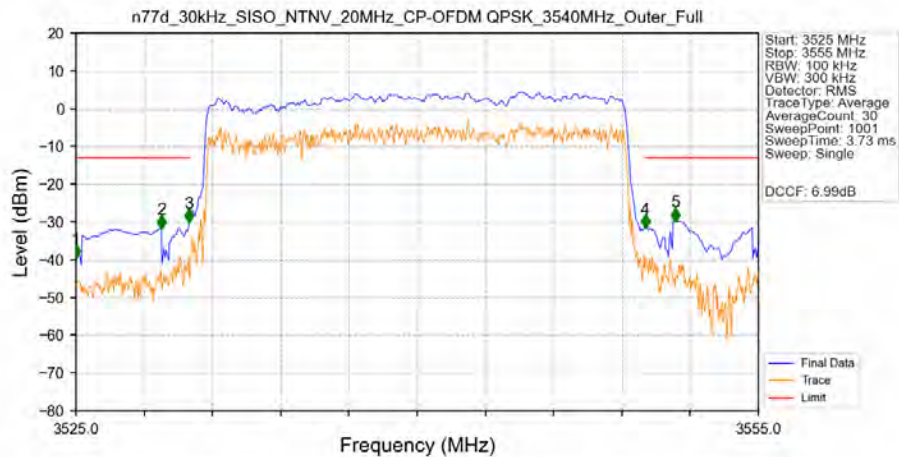
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	847.450	-54.20	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant2



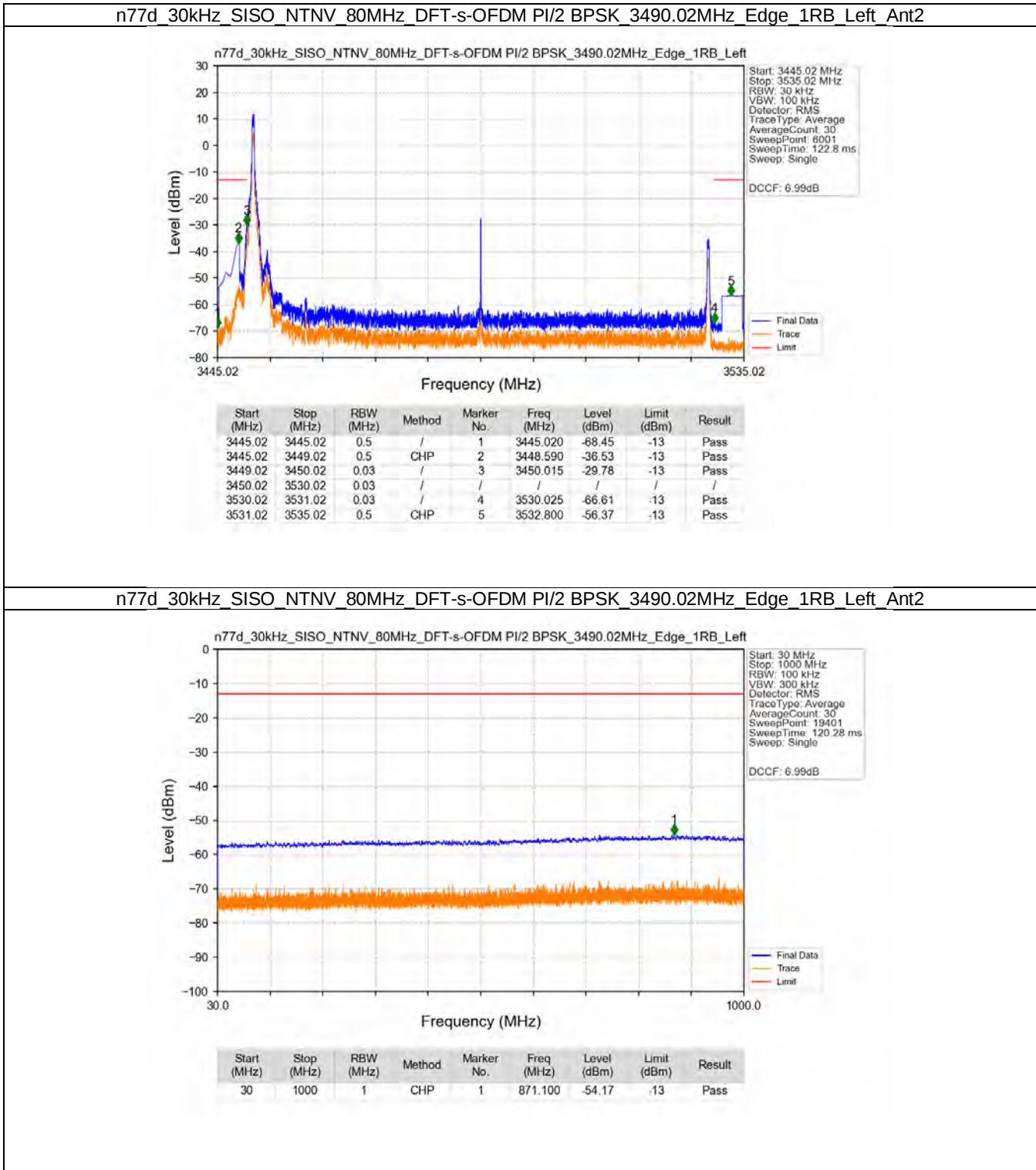
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3525	1	/	1	3183.000	-47.09	-13	Pass
3525	3555	1	/	/	/	/	/	/
3555	35500	1	/	2	35208.500	-33.68	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Outer_Full_Ant2

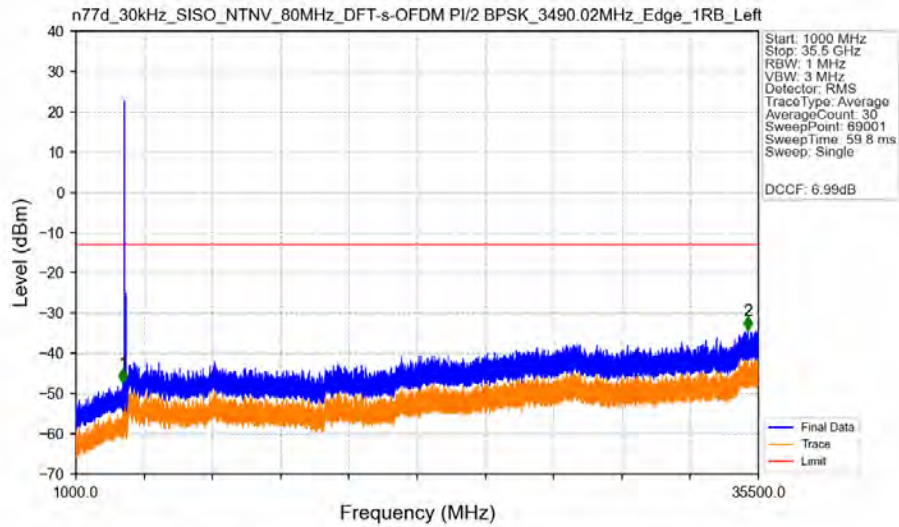


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3525	0.5	/	1	3525.000	-39.26	-13	Pass
3525	3529	0.5	CHP	2	3528.750	-31.53	-13	Pass
3529	3530	0.2	CHP	3	3529.980	-29.90	-13	Pass
3530	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.020	-31.41	-13	Pass
3551	3555	0.5	CHP	5	3551.340	-29.58	-13	Pass

5.2.2 30k_SISO_80MHz_NTNV

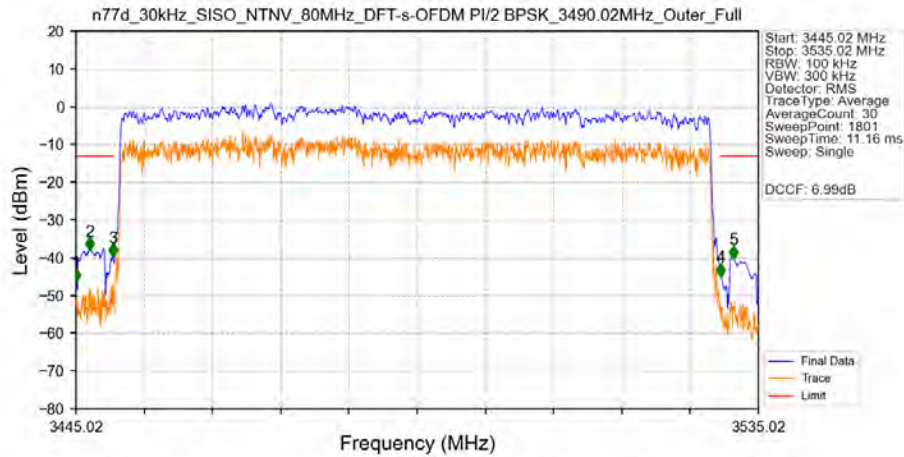


n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_PI/2_BPSK_3490.02MHz_Edge_1RB_Left_Ant2



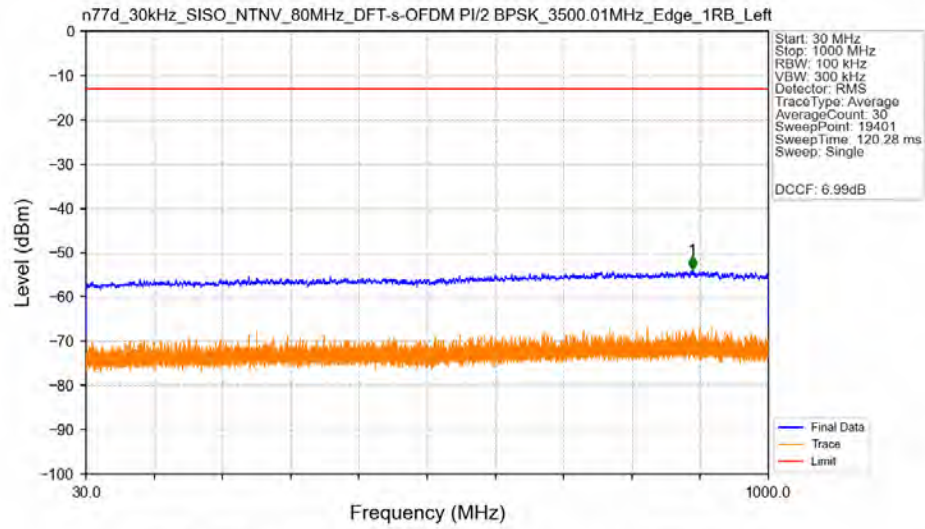
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3373.500	-47.28	-13	Pass
3445.02	3535.02	1	/	/	/	/	/	/
3535.02	35500	1	/	2	34967.000	-34.32	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_PI/2_BPSK_3490.02MHz_Outer_Full_Ant2

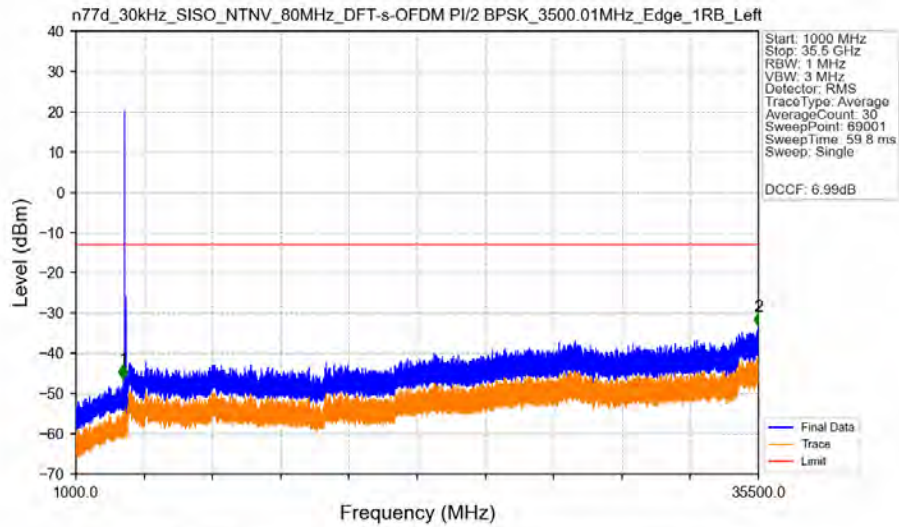


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-46.18	-13	Pass
3445.02	3449.02	0.5	CHP	2	3446.870	-37.74	-13	Pass
3449.02	3450.02	0.2	CHP	3	3449.870	-39.48	-13	Pass
3450.02	3530.02	0.2	CHP	/	/	/	/	/
3530.02	3531.02	0.2	CHP	4	3530.070	-44.73	-13	Pass
3531.02	3535.02	0.5	CHP	5	3531.720	-40.05	-13	Pass

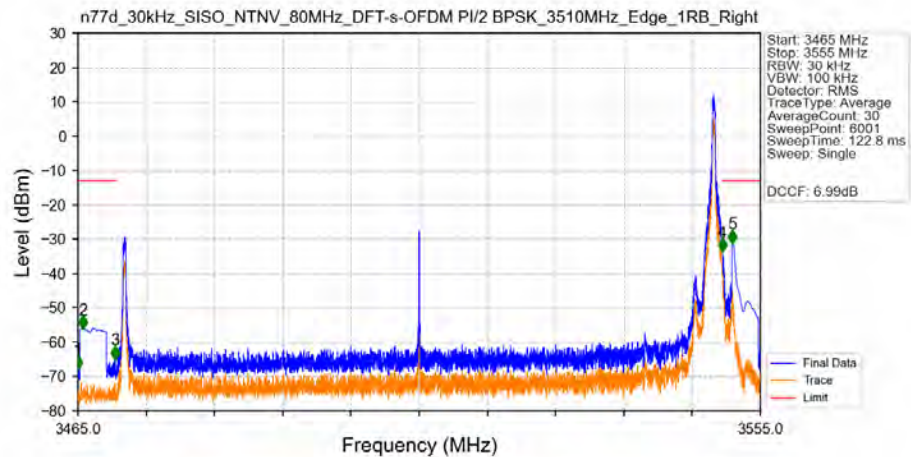
n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Edge_1RB_Left_Ant2



n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Edge_1RB_Left_Ant2

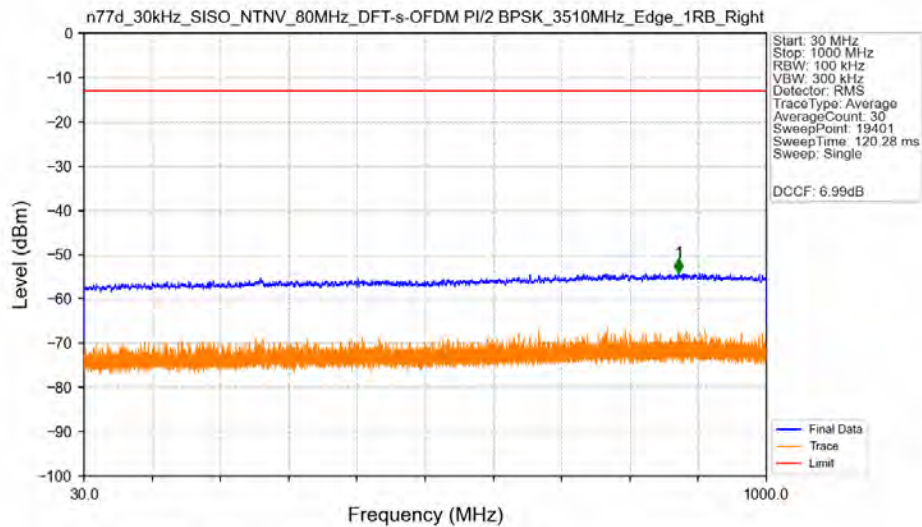


n77d 30kHz SISO NTNv 80MHz DFT-s-OFDM PI/2 BPSK 3510MHz Edge 1RB Right Ant2



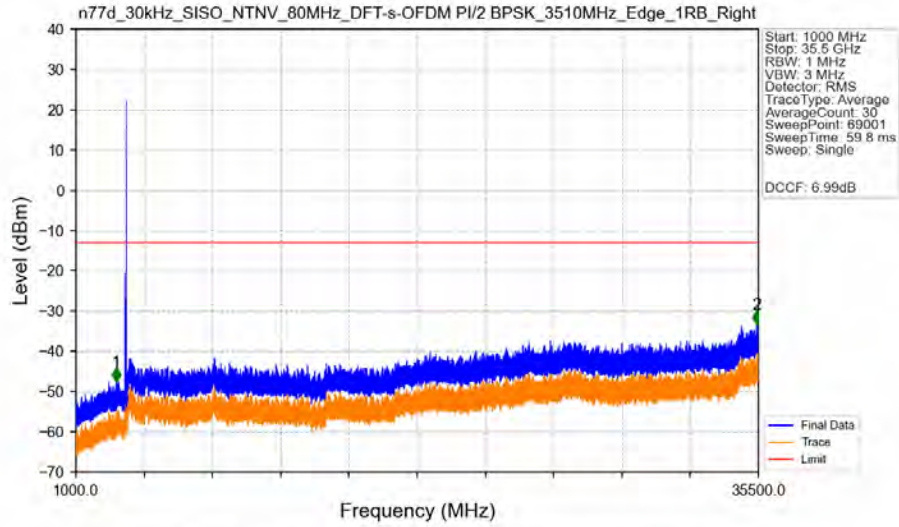
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3465	3465	0.5	/	1	3465.000	-67.55	-13	Pass
3465	3469	0.5	CHP	2	3465.630	-55.84	-13	Pass
3469	3470	0.03	/	3	3469.920	-64.75	-13	Pass
3470	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.005	-33.40	-13	Pass
3551	3555	0.5	CHP	5	3551.265	-30.88	-13	Pass

n77d 30kHz SISO NTNv 80MHz DFT-s-OFDM PI/2 BPSK 3510MHz Edge 1RB Right Ant2



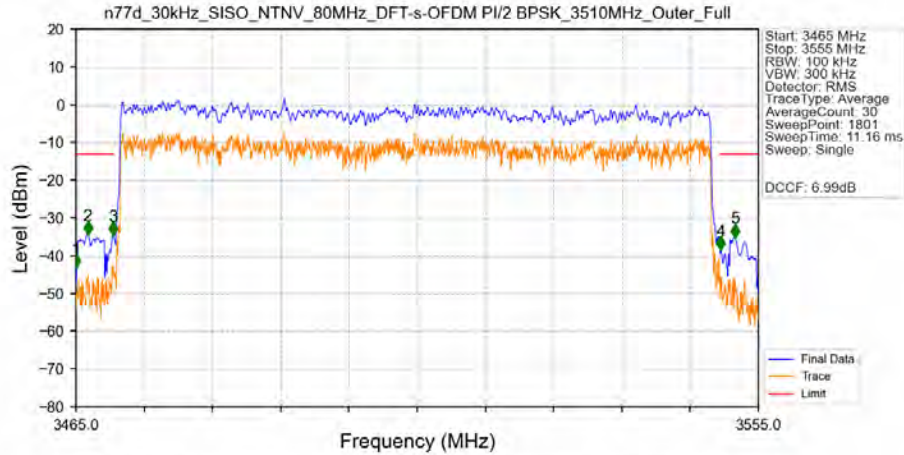
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	875.300	-54.07	-13	Pass

n77d 30kHz SISO NTN 80MHz DFT-s-OFDM PI/2 BPSK 3510MHz Edge 1RB Right Ant2



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3465	1	/	1	3034.000	-47.59	-13	Pass
3465	3550	1	/	/	/	/	/	/
3555	35500	1	/	2	35407.000	-33.25	-13	Pass

n77d 30kHz SISO NTN 80MHz DFT-s-OFDM PI/2 BPSK 3510MHz Outer_Full Ant2



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3465	3465	0.5	/	1	3465.000	-42.88	-13	Pass
3465	3469	0.5	CHP	2	3466.550	-34.19	-13	Pass
3469	3470	0.2	CHP	3	3469.850	-34.40	-13	Pass
3470	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.050	-38.17	-13	Pass
3551	3555	0.5	CHP	5	3551.900	-34.91	-13	Pass

n77d_30kHz_SISO_TNTNV_80MHz_DFT-s-OFDM_QPSK_3490.02MHz_Edge_1RB_Left

Level (dBm)

Frequency (MHz)

Start: 3445.02 MHz
Stop: 3535.02 MHz
RBW: 30 kHz
VBW: 100 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 6001
SweepTime: 122.8 ms
Sweep: Single
DCCF: 6.99dB

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	-62.40	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.575	-35.00	-13	Pass
3449.02	3450.02	0.03	/	3	3450.000	-31.55	-13	Pass
3450.02	3530.02	0.03	/	/	/	/	/	/
3530.02	3531.02	0.03	/	4	3530.505	-65.42	-13	Pass
3531.02	3535.02	0.5	CHP	5	3532.905	-55.47	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3490.02MHz_Edge_1RB_Left

Start: 30 MHz
Stop: 1000 MHz
RBW: 100 kHz
VBW: 300 kHz
Detector: RMS
Trace Type: Average
Average Count: 30
Sweep Point: 19401
Sweep Time: 120.28 ms
Sweep: Single
DCCF: 6.99 dB

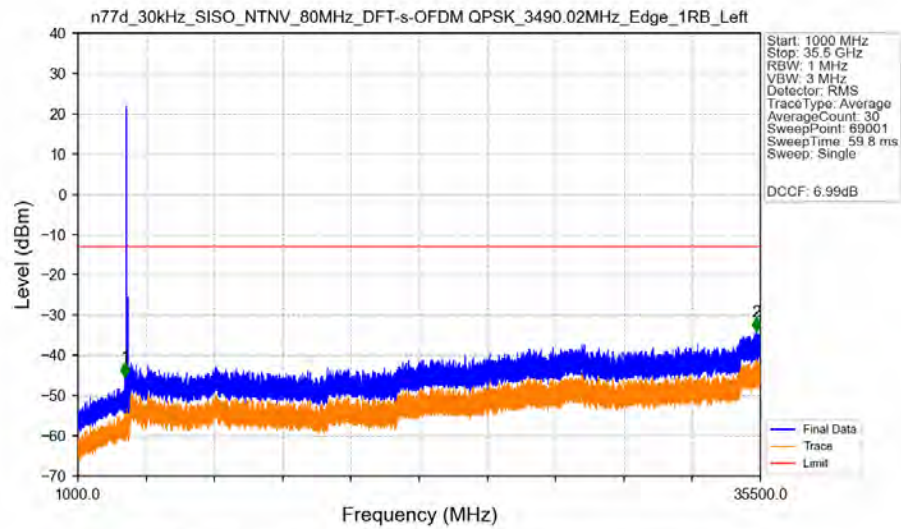
Level (dBm)

Frequency (MHz)

Final Data
Trace
Limit

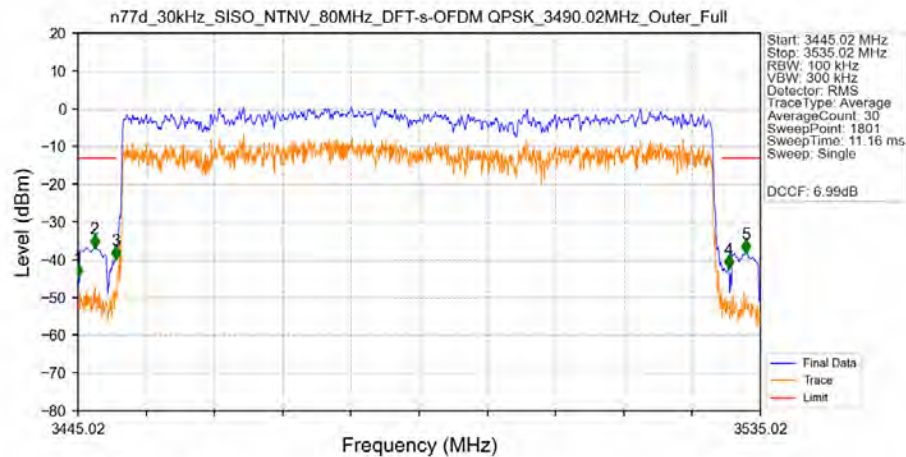
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	997.900	-54.09	-13	Pass

n77d 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3490.02MHz Edge 1RB Left Ant2



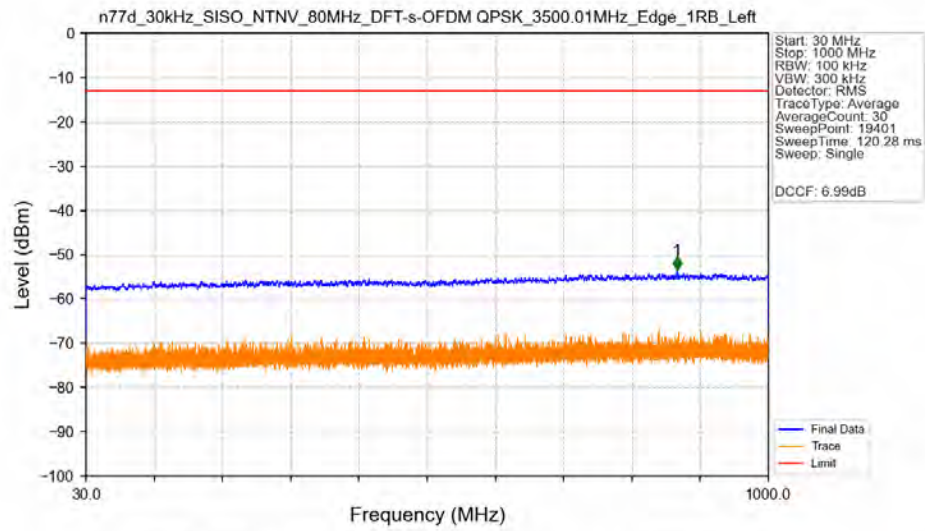
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3373.500	-45.34	-13	Pass
3445.02	3535.02	1	/	/	/	/	/	/
3535.02	35500	1	/	2	35293.000	-34.10	-13	Pass

n77d 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3490.02MHz Outer_Full Ant2



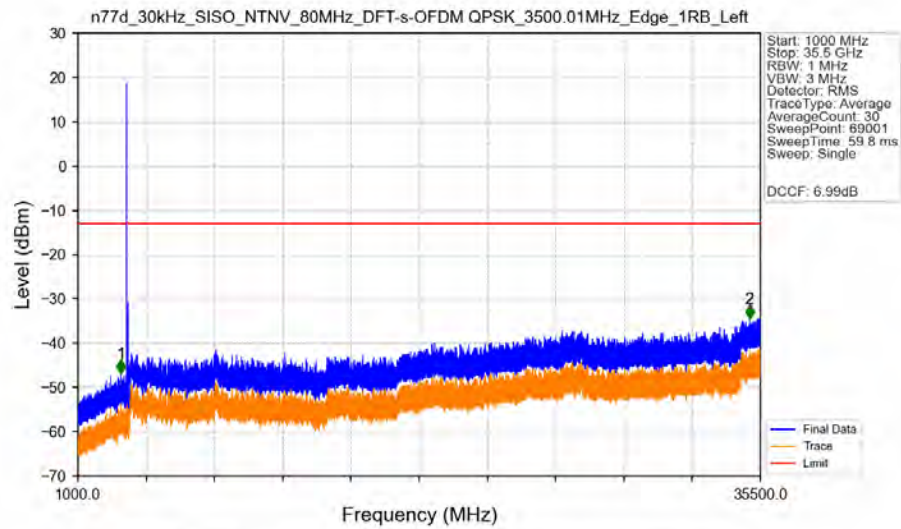
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-44.41	-13	Pass
3445.02	3449.02	0.5	CHP	2	3447.220	-36.63	-13	Pass
3449.02	3450.02	0.2	CHP	3	3449.970	-39.78	-13	Pass
3450.02	3530.02	0.2	CHP	/	/	/	/	/
3530.02	3531.02	0.2	CHP	4	3530.820	-42.05	-13	Pass
3531.02	3535.02	0.5	CHP	5	3533.070	-37.96	-13	Pass

n77d 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant2



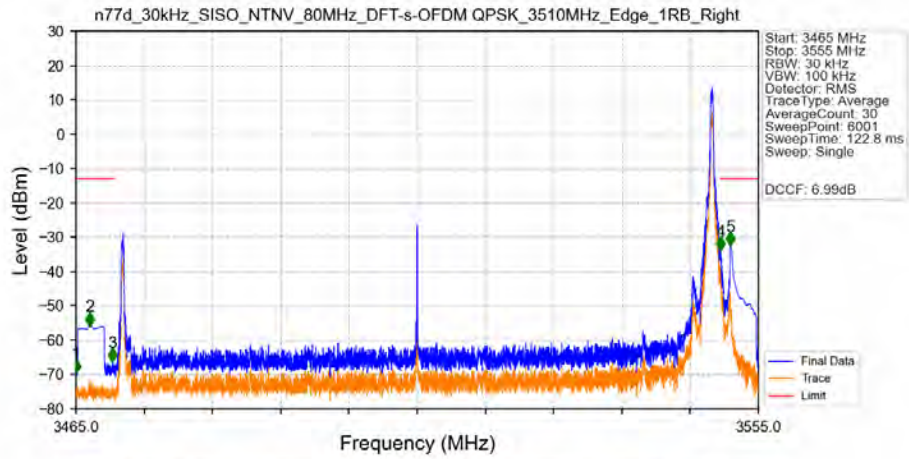
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	870.000	-53.56	-13	Pass

n77d 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3500.01MHz Edge 1RB Left Ant2



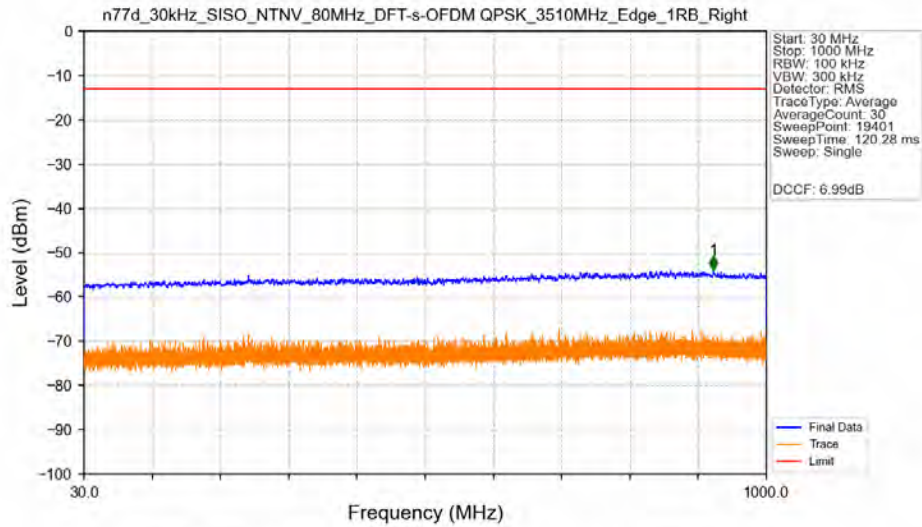
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3455.01	1	/	1	3175.000	-46.80	-13	Pass
3455.01	3545.01	1	/	/	/	/	/	/
3545.01	35500	1	/	2	34950.000	-34.36	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3510MHz_Edge_1RB_Right_Ant2



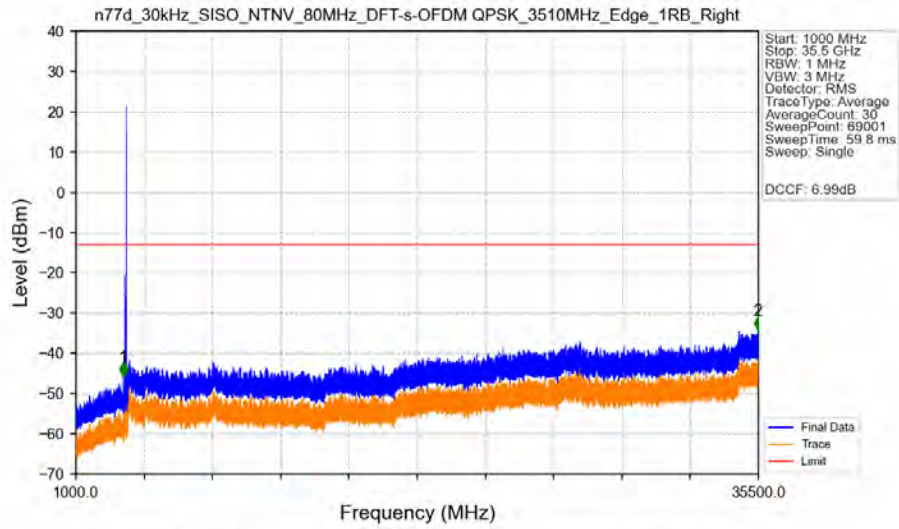
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3465	3465	0.5	/	1	3465.000	-69.20	-13	Pass
3465	3469	0.5	CHP	2	3466.800	-55.54	-13	Pass
3469	3470	0.03	/	3	3469.830	-66.04	-13	Pass
3470	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.035	-33.59	-13	Pass
3551	3555	0.5	CHP	5	3551.250	-32.22	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3510MHz_Edge_1RB_Right_Ant2



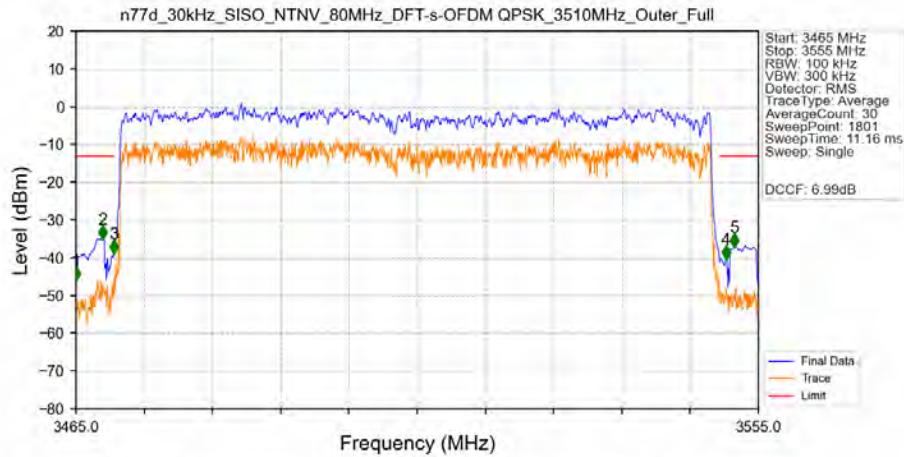
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	924.750	-53.90	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3510MHz_Edge_1RB_Right_Ant2



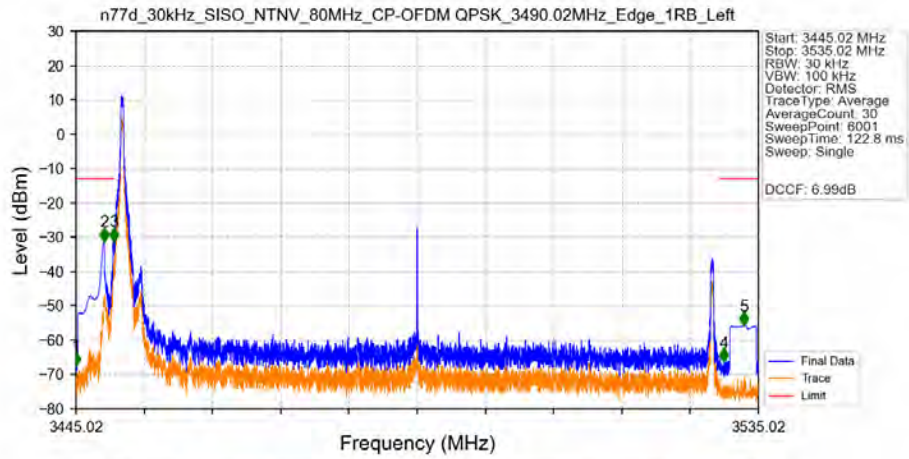
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3465	1	/	1	3393.000	-45.75	-13	Pass
3465	3555	1	/	/	/	/	/	/
3555	35500	1	/	2	35485.500	-34.19	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3510MHz_Outer_Full_Ant2



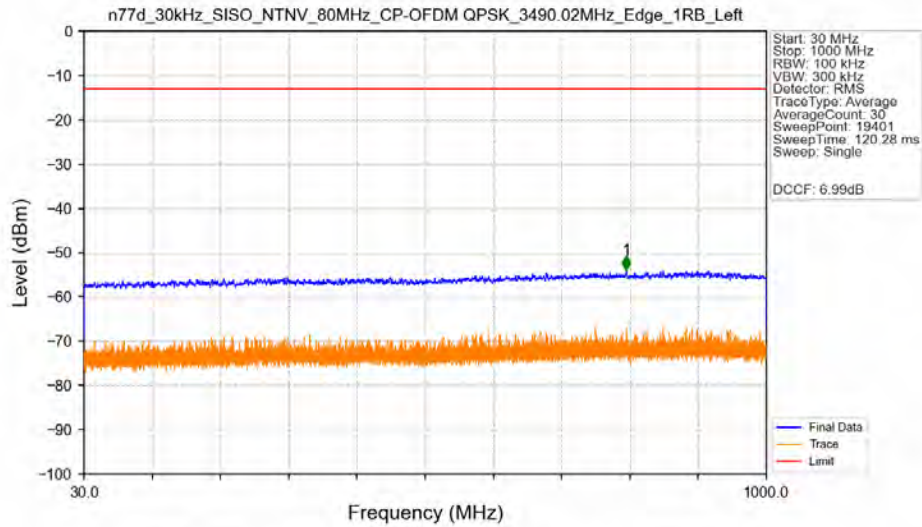
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3465	3465	0.5	/	1	3465.000	-45.61	-13	Pass
3465	3469	0.5	CHP	2	3468.500	-34.74	-13	Pass
3469	3470	0.2	CHP	3	3469.950	-38.55	-13	Pass
3470	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.750	-40.08	-13	Pass
3551	3555	0.5	CHP	5	3551.800	-36.84	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3490.02MHz_Edge_1RB_Left_Ant2



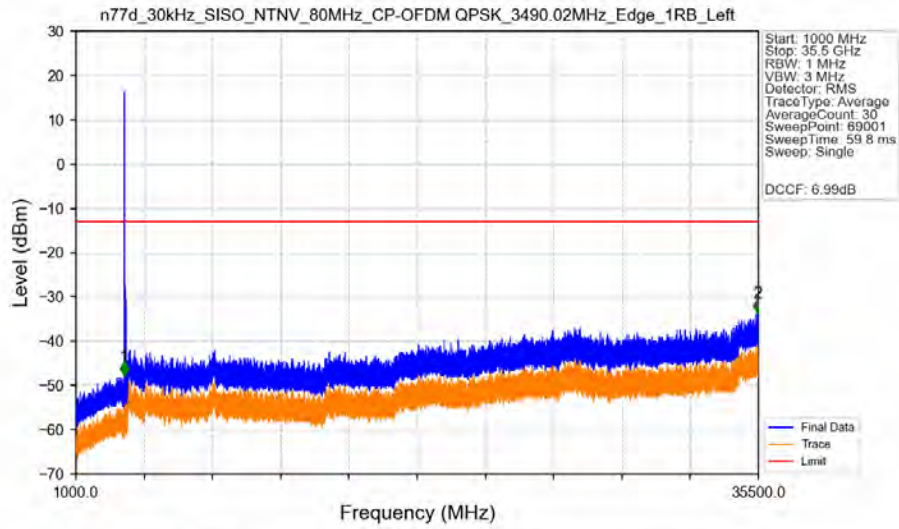
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-67.06	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.770	-30.91	-13	Pass
3449.02	3450.02	0.03	/	3	3450.015	-30.87	-13	Pass
3450.02	3530.02	0.03	/	/	/	/	/	/
3530.02	3531.02	0.03	/	4	3530.490	-66.02	-13	Pass
3531.02	3535.02	0.5	CHP	5	3533.130	-55.41	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3490.02MHz_Edge_1RB_Left_Ant2



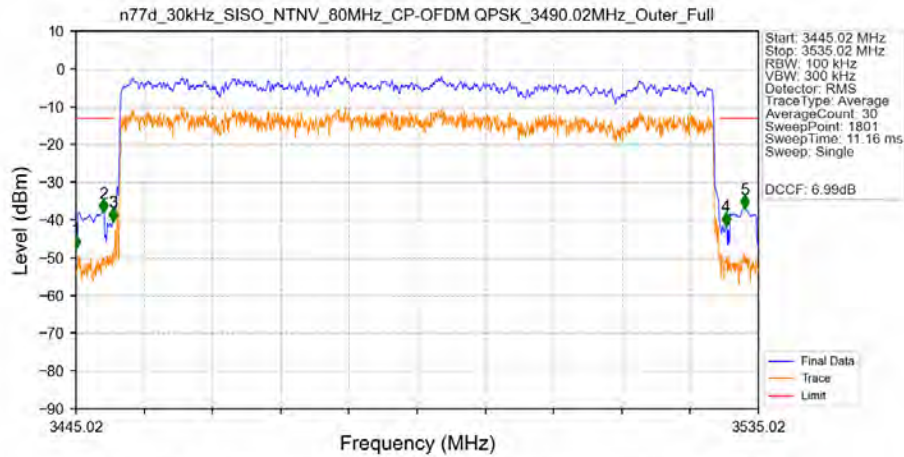
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	800.900	-53.82	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3490.02MHz_Edge_1RB_Left_Ant2



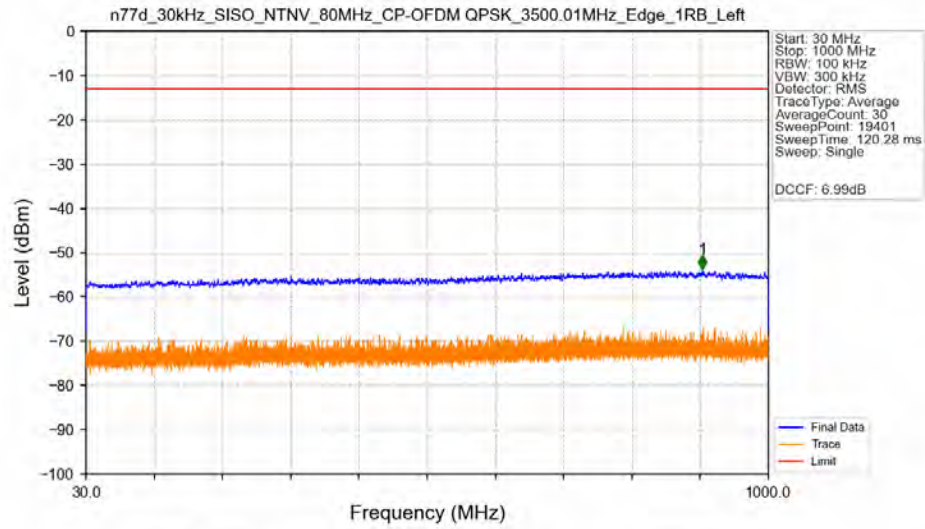
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3444.000	-47.64	-13	Pass
3445.02	3535.02	1	/	/	/	/	/	/
3535.02	35500	1	/	2	35458.000	-33.50	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3490.02MHz_Outer_Full_Ant2



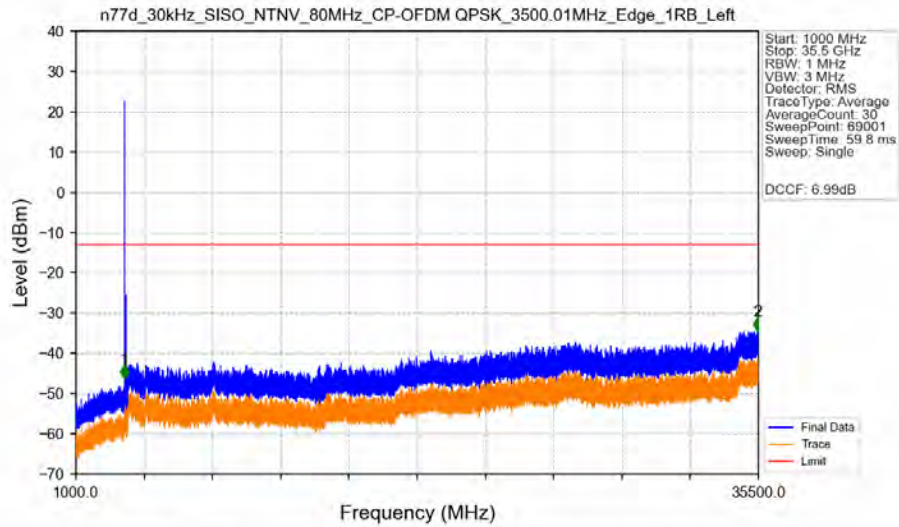
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-47.25	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.670	-37.73	-13	Pass
3449.02	3450.02	0.2	CHP	3	3449.920	-40.12	-13	Pass
3450.02	3530.02	0.2	CHP	/	/	/	/	/
3530.02	3531.02	0.2	CHP	4	3530.770	-41.31	-13	Pass
3531.02	3535.02	0.5	CHP	5	3533.220	-36.73	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



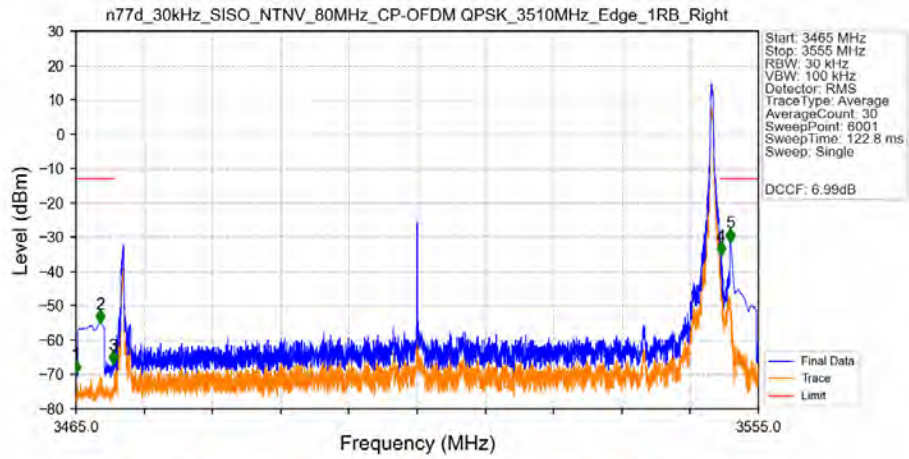
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	906.250	-53.74	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



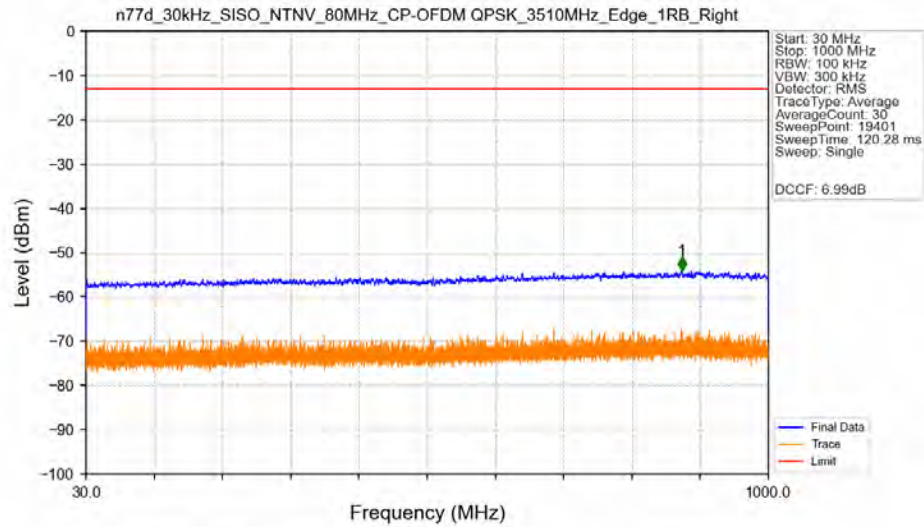
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3455.01	1	/	1	3452.000	-46.32	-13	Pass
3455.01	3545.01	1	/	/	/	/	/	/
3545.01	35500	1	/	2	35465.000	-34.42	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3510MHz_Edge_1RB_Right_Ant2



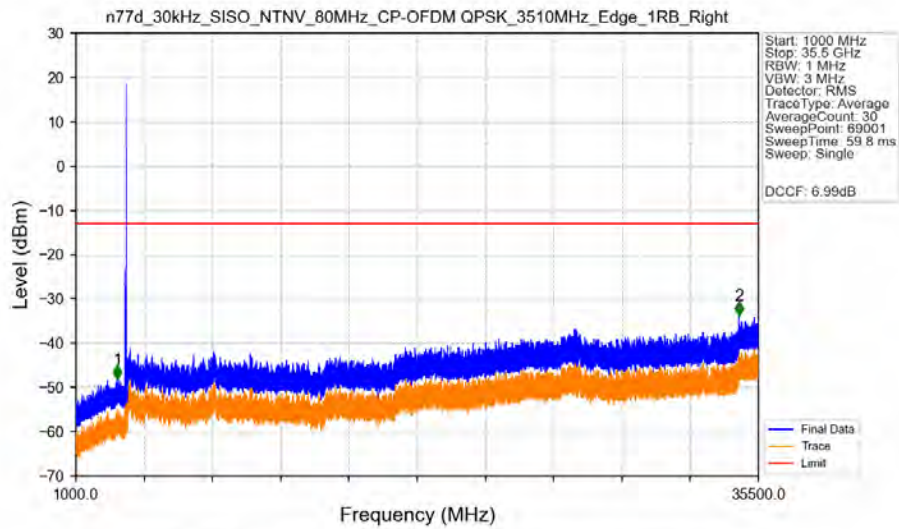
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3465	3465	0.5	/	1	3465.000	-69.43	-13	Pass
3465	3469	0.5	CHP	2	3468.180	-54.80	-13	Pass
3469	3470	0.03	/	3	3469.890	-66.70	-13	Pass
3470	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.095	-35.04	-13	Pass
3551	3555	0.5	CHP	5	3551.250	-31.12	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3510MHz_Edge_1RB_Right_Ant2



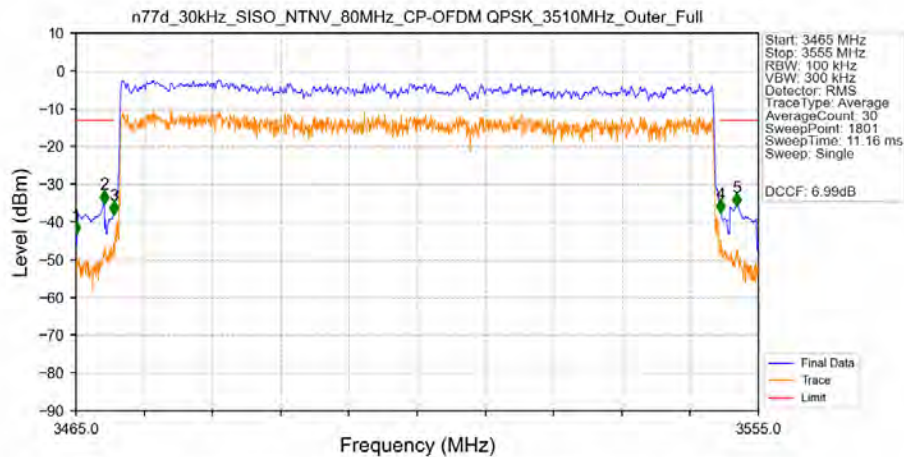
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	876.850	-54.02	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3510MHz_Edge_1RB_Right_Ant2



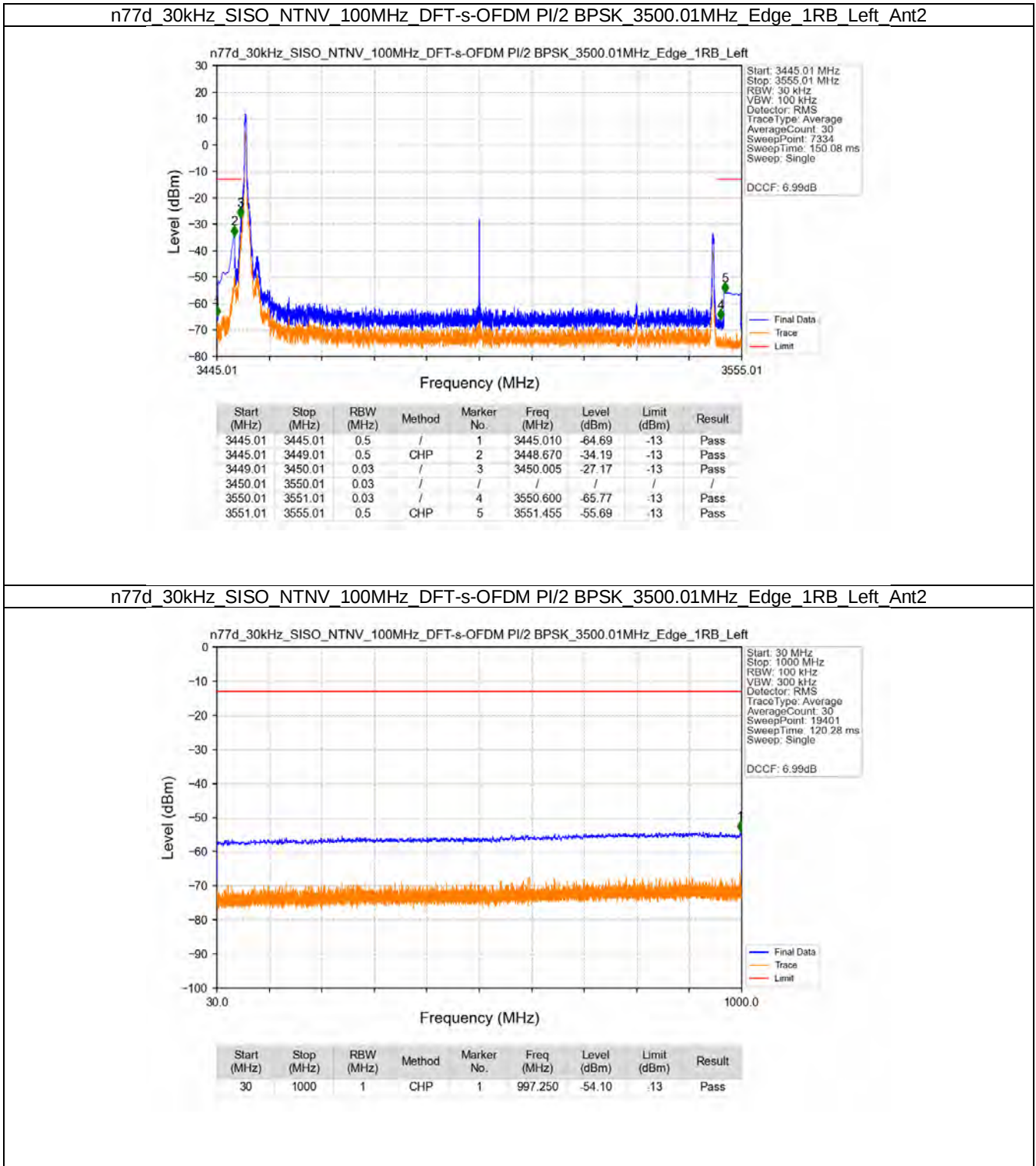
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3465	1	/	1	3088.500	-48.05	-13	Pass
3465	3550	1	/	/	/	/	/	/
3555	35500	1	/	2	34509.500	-33.76	-13	Pass

n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3510MHz_Outer_Full_Ant2

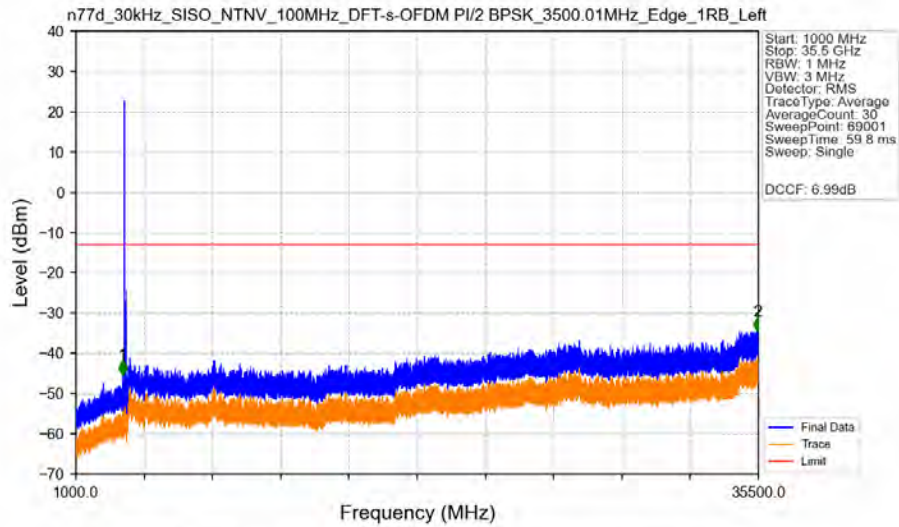


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3465	3465	0.5	/	1	3465.000	-43.17	-13	Pass
3465	3469	0.5	CHP	2	3468.750	-34.89	-13	Pass
3469	3470	0.2	CHP	3	3469.950	-37.79	-13	Pass
3470	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.050	-37.37	-13	Pass
3551	3555	0.5	CHP	5	3552.150	-35.67	-13	Pass

5.2.3 30k_SISO_100MHz_NTNV

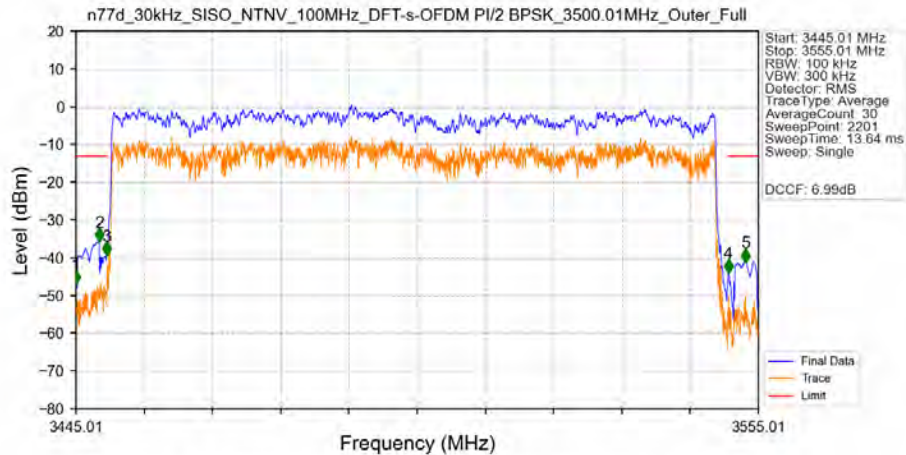


n77d 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left Ant2



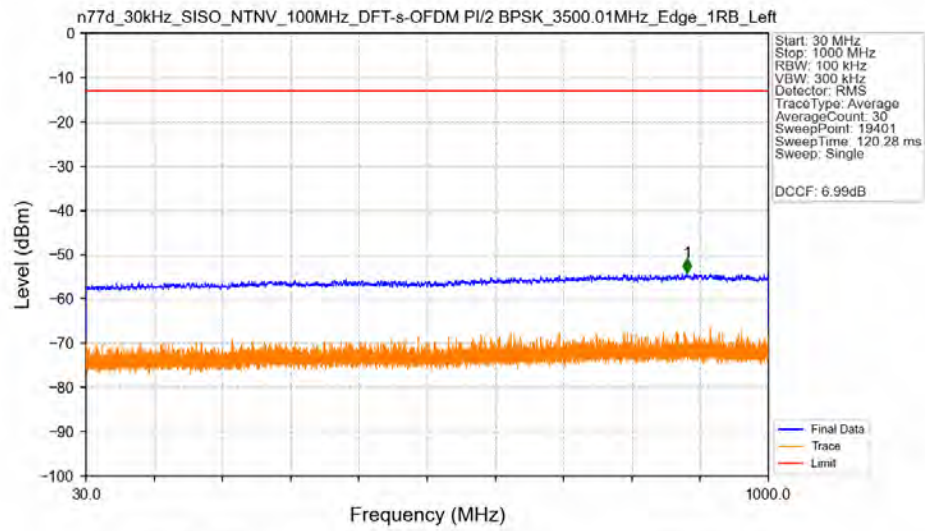
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3353.000	-45.32	-13	Pass
3445.01	3555.01	1	/	/	/	/	/	/
3555.01	35500	1	/	2	35455.000	-34.42	-13	Pass

n77d 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Outer_Full Ant2

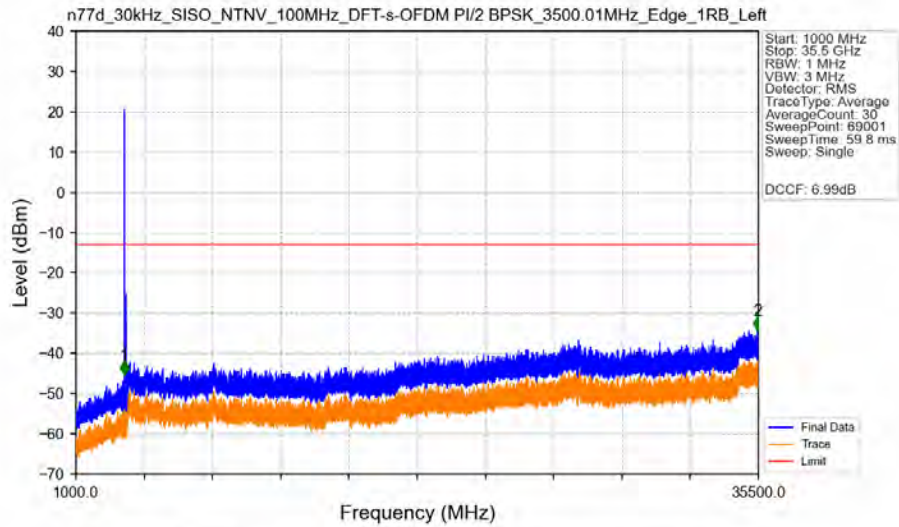


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-46.67	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.760	-35.41	-13	Pass
3449.01	3450.01	0.2	CHP	3	3449.960	-39.15	-13	Pass
3450.01	3550.01	0.2	CHP	/	/	/	/	/
3550.01	3551.01	0.2	CHP	4	3550.160	-43.70	-13	Pass
3551.01	3555.01	0.5	CHP	5	3552.960	-40.94	-13	Pass

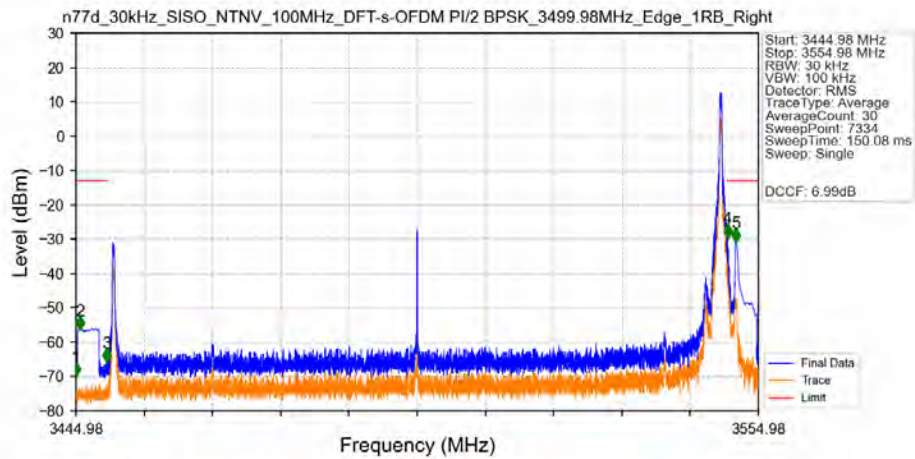
n77d 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left Ant2



n77d 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3500.01MHz Edge 1RB Left Ant2

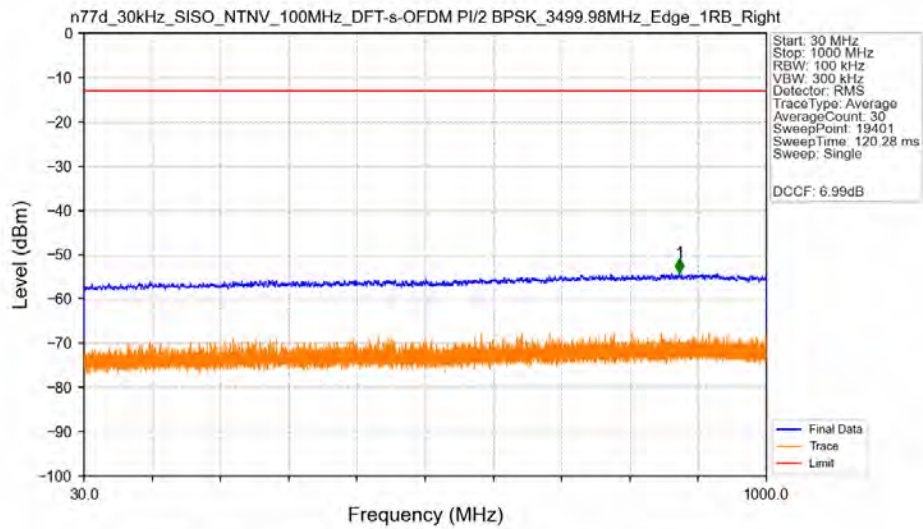


n77d 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3499.98MHz Edge 1RB Right Ant2



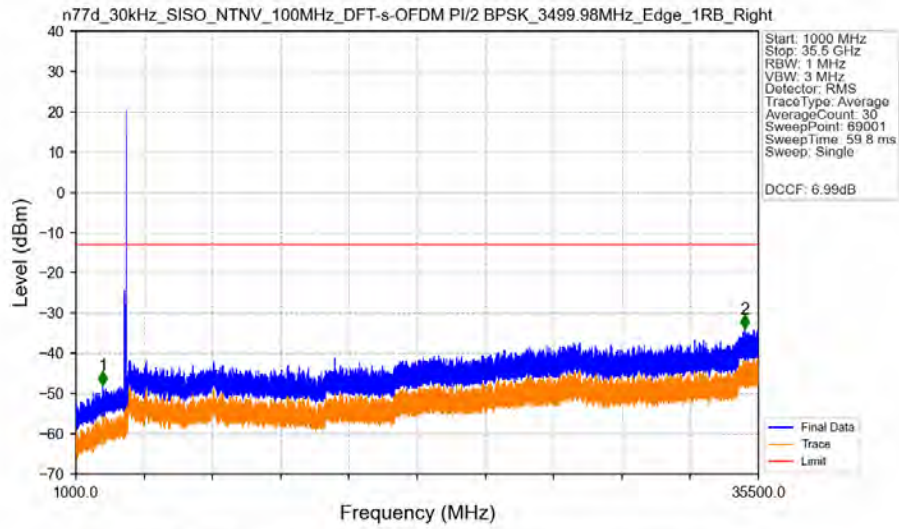
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3444.98	3444.98	0.5	/	1	3444.980	-69.57	-13	Pass
3444.98	3448.98	0.5	CHP	2	3445.685	-56.09	-13	Pass
3448.98	3449.98	0.03	/	3	3449.945	-65.63	-13	Pass
3449.98	3549.98	0.03	/	/	/	/	/	/
3549.98	3550.98	0.03	/	4	3549.985	-29.25	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.290	-30.59	-13	Pass

n77d 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3499.98MHz Edge 1RB Right Ant2



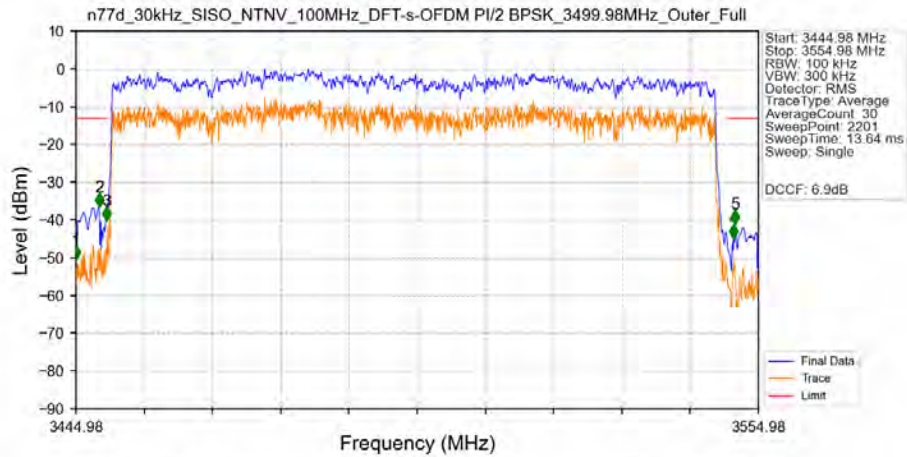
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	876.300	-54.00	-13	Pass

n77d 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3499.98MHz Edge 1RB Right Ant2



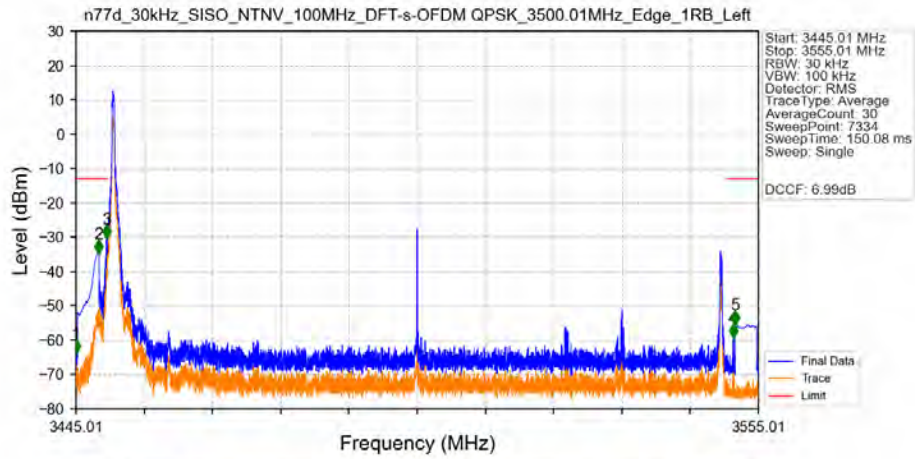
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3444.98	1	/	1	2354.500	-47.89	-13	Pass
3444.98	3554.98	1	/	/	/	/	/	/
3554.98	35500	1	/	2	34813.000	-33.80	-13	Pass

n77d 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3499.98MHz Outer_Full_Ant2



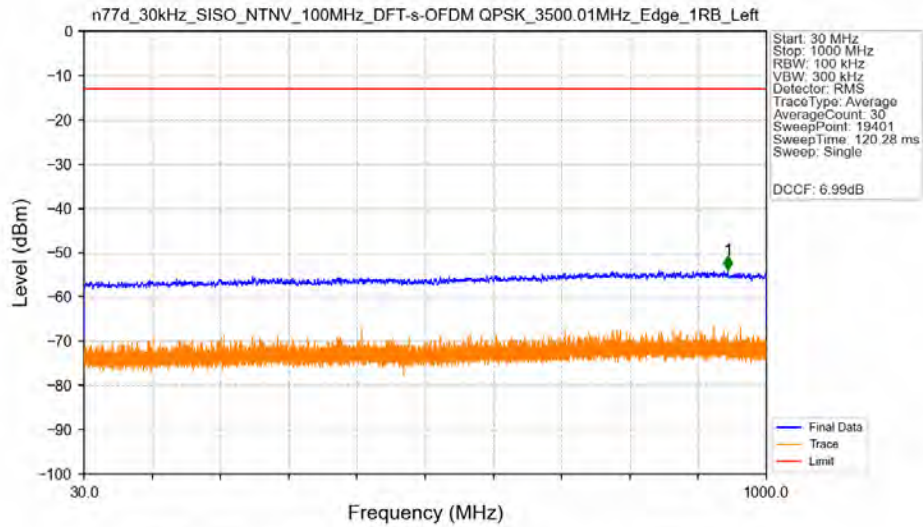
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3444.98	3444.98	0.5	/	1	3444.980	-50.12	-13	Pass
3444.98	3448.98	0.5	CHP	2	3448.730	-36.18	-13	Pass
3448.98	3449.98	0.2	CHP	3	3449.930	-39.81	-13	Pass
3449.98	3549.98	0.2	CHP	/	/	/	/	/
3549.98	3550.98	0.2	CHP	4	3550.980	-44.51	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.230	-40.64	-13	Pass

n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



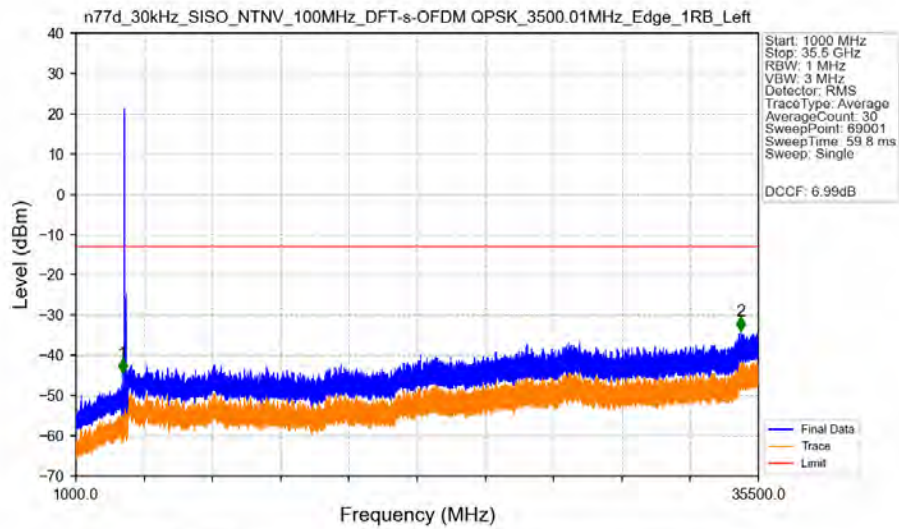
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-63.48	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.610	-34.44	-13	Pass
3449.01	3450.01	0.03	/	3	3449.930	-30.10	-13	Pass
3450.01	3550.01	0.03	/	/	/	/	/	/
3550.01	3551.01	0.03	/	4	3550.915	-58.83	-13	Pass
3551.01	3555.01	0.5	CHP	5	3551.275	-55.07	-13	Pass

n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2

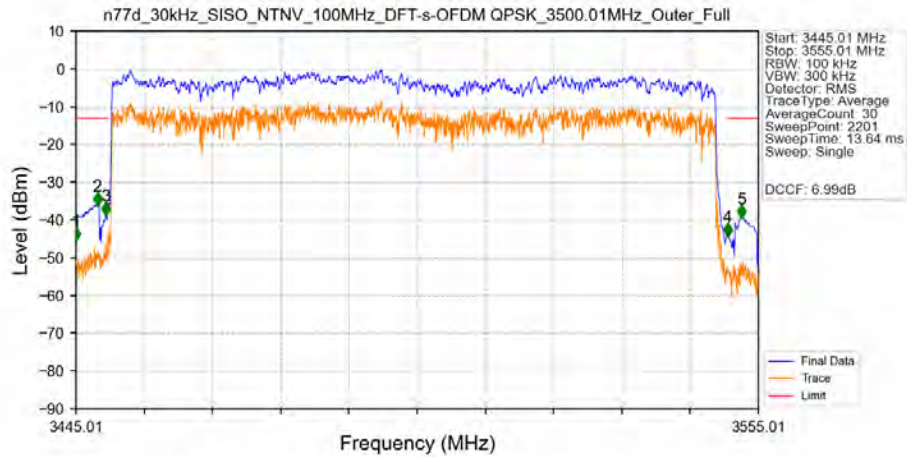


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	945.100	-53.93	-13	Pass

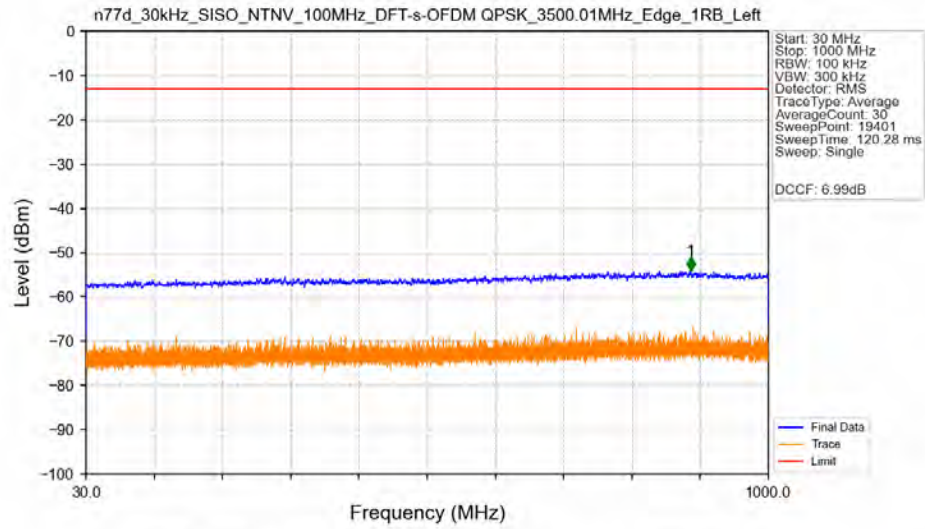
n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



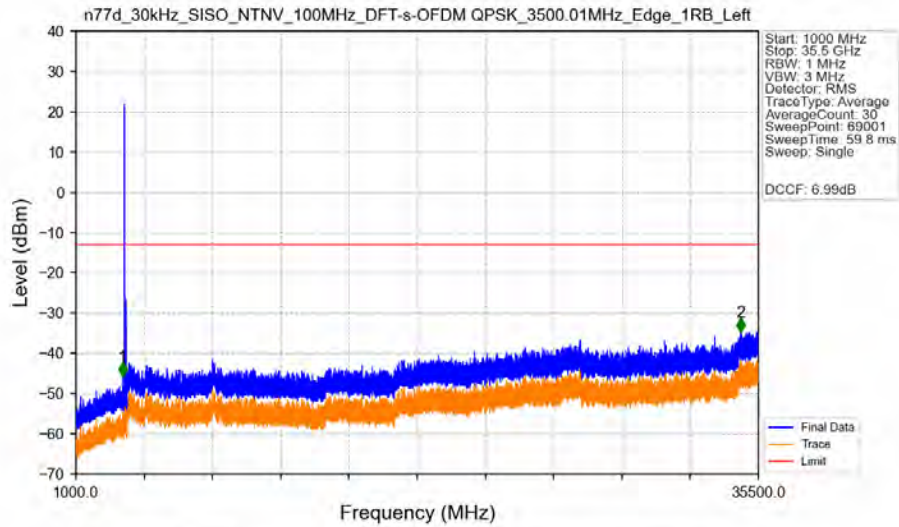
n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full_Ant2



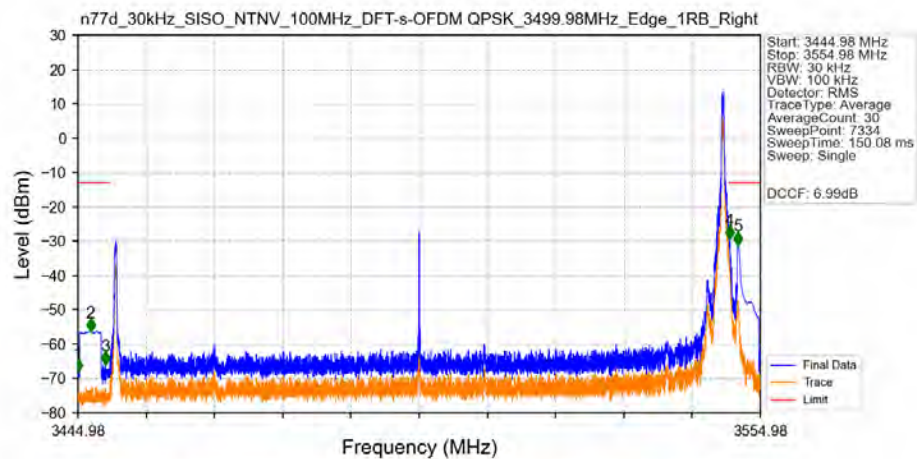
n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2

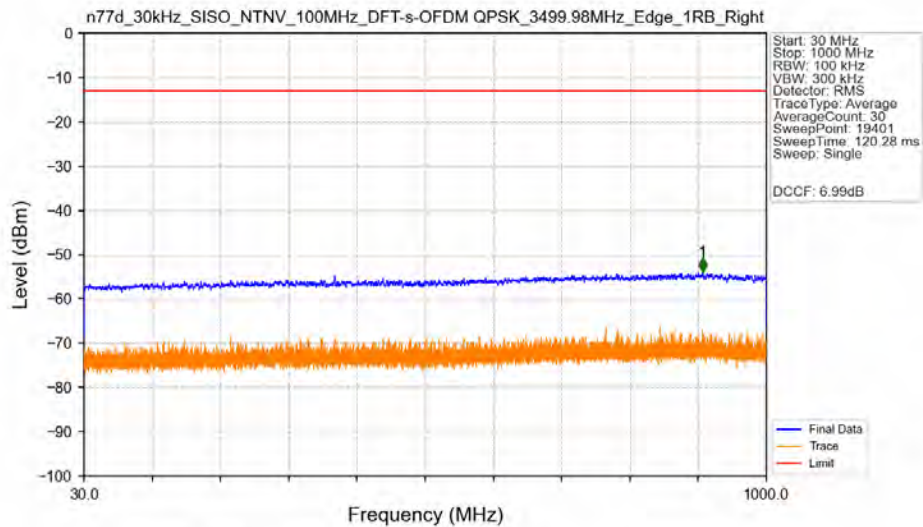


n77d 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3499.98MHz Edge 1RB Right Ant2



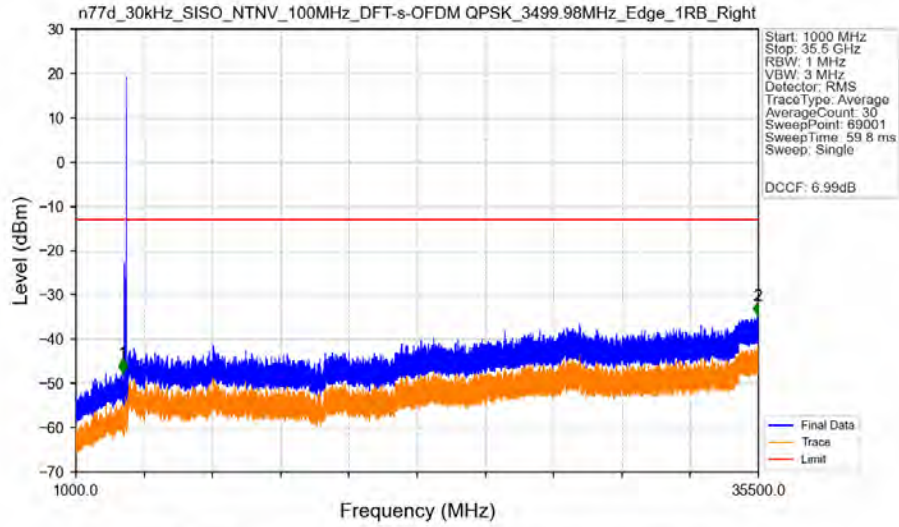
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3444.98	3444.98	0.5	/	1	3444.980	-67.88	-13	Pass
3444.98	3448.98	0.5	CHP	2	3447.005	-56.19	-13	Pass
3448.98	3449.98	0.03	/	3	3449.375	-65.83	-13	Pass
3449.98	3549.98	0.03	/	/	/	/	/	/
3549.98	3550.98	0.03	/	4	3549.985	-29.05	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.275	-30.87	-13	Pass

n77d 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3499.98MHz Edge 1RB Right Ant2



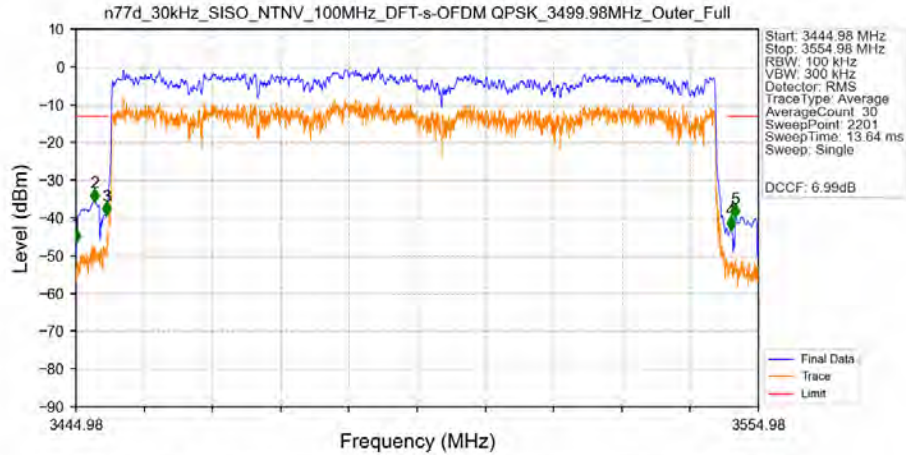
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	909.350	-53.81	-13	Pass

n77d 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3499.98MHz Edge 1RB Right Ant2



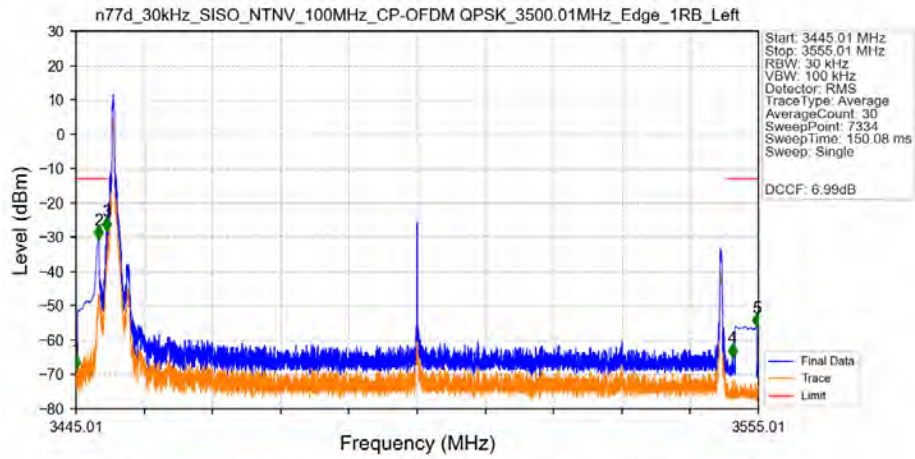
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3444.98	1	/	1	3352.500	-47.47	-13	Pass
3444.98	3554.98	1	/	/	/	/	/	/
3554.98	35500	1	/	2	35469.000	-34.66	-13	Pass

n77d 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3499.98MHz Outer_Full Ant2



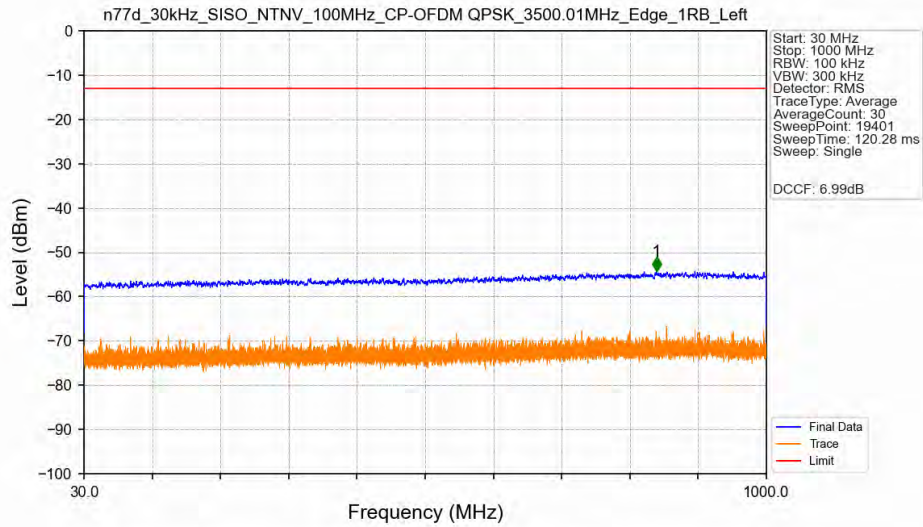
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3444.98	3444.98	0.5	/	1	3444.980	-46.31	-13	Pass
3444.98	3448.98	0.5	CHP	2	3447.930	-35.53	-13	Pass
3448.98	3449.98	0.2	CHP	3	3449.930	-39.07	-13	Pass
3449.98	3549.98	0.2	CHP	/	/	/	/	/
3549.98	3550.98	0.2	CHP	4	3550.530	-42.80	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.230	-39.72	-13	Pass

n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



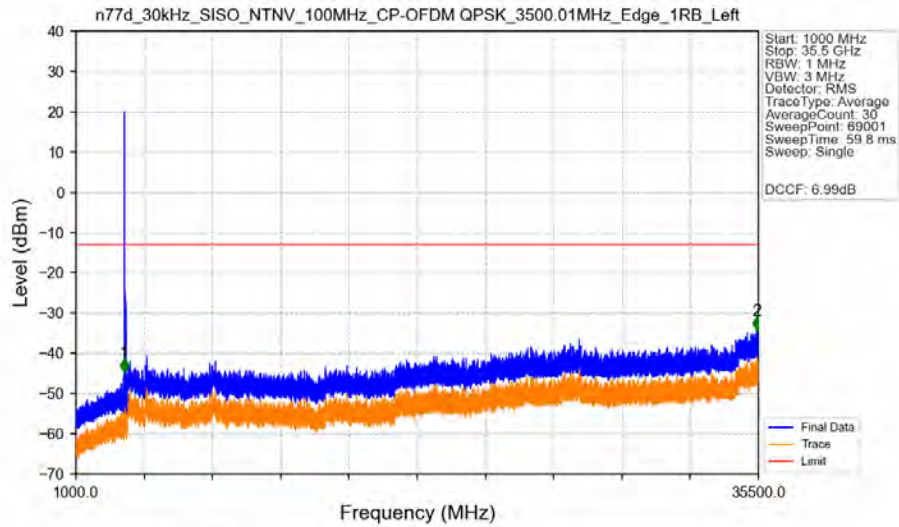
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-68.00	-13	Pass
3445.01	3449.01	0.5	CHP	2	3448.700	-30.28	-13	Pass
3449.01	3450.01	0.03	/	3	3449.960	-27.85	-13	Pass
3450.01	3550.01	0.03	/	/	/	/	/	/
3550.01	3551.01	0.03	/	4	3550.825	-64.71	-13	Pass
3551.01	3555.01	0.5	CHP	5	3554.740	-55.95	-13	Pass

n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



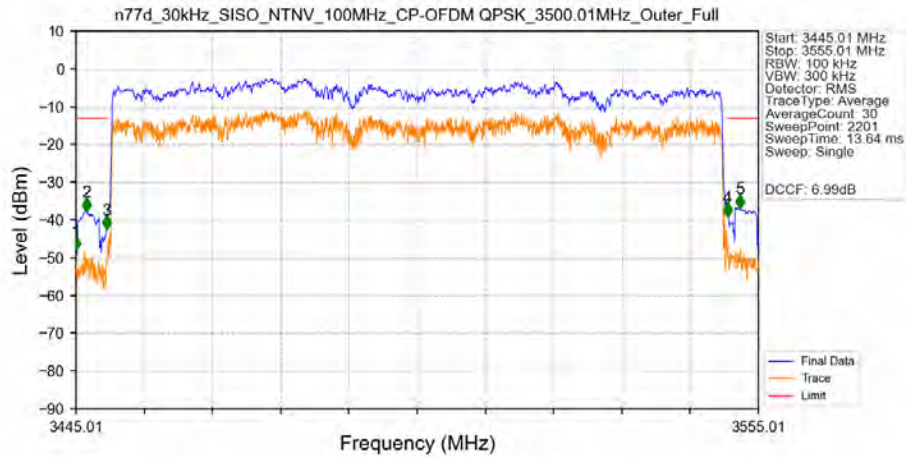
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	843.650	-54.29	-13	Pass

n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



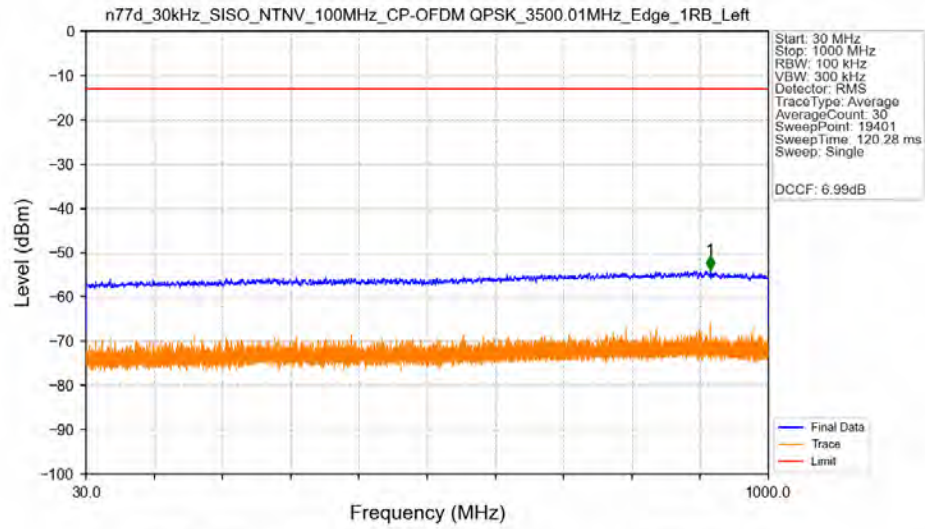
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3442.000	-44.74	-13	Pass
3445.01	3555.01	1	/	/	/	/	/	/
3555.01	35500	1	/	2	35426.500	-34.22	-13	Pass

n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant2



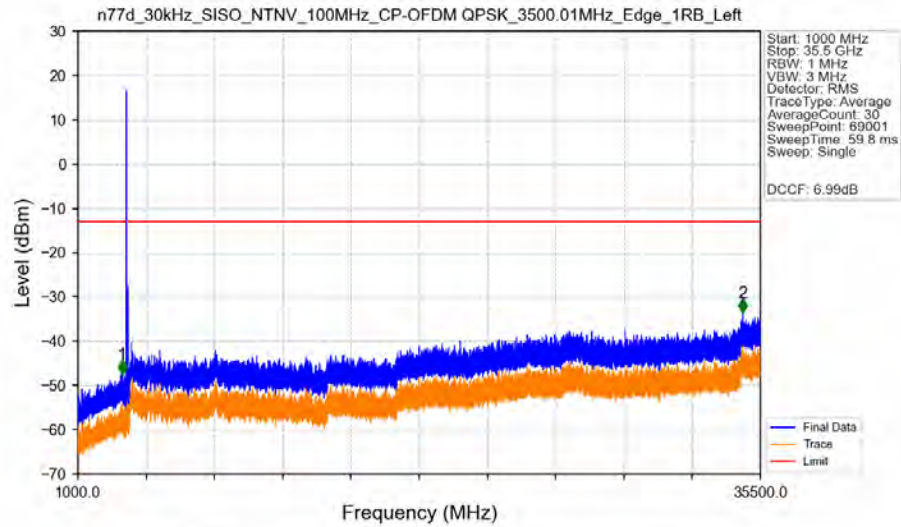
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.01	3445.01	0.5	/	1	3445.010	-47.77	-13	Pass
3445.01	3449.01	0.5	CHP	2	3446.660	-37.44	-13	Pass
3449.01	3450.01	0.2	CHP	3	3449.960	-42.20	-13	Pass
3450.01	3550.01	0.2	CHP	/	/	/	/	/
3550.01	3551.01	0.2	CHP	4	3550.060	-38.85	-13	Pass
3551.01	3555.01	0.5	CHP	5	3551.960	-36.61	-13	Pass

n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



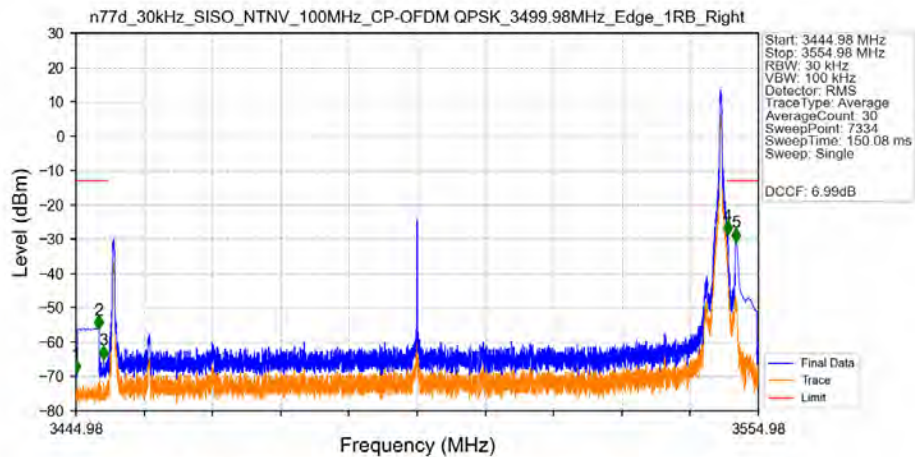
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	917.400	-53.80	-13	Pass

n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left_Ant2



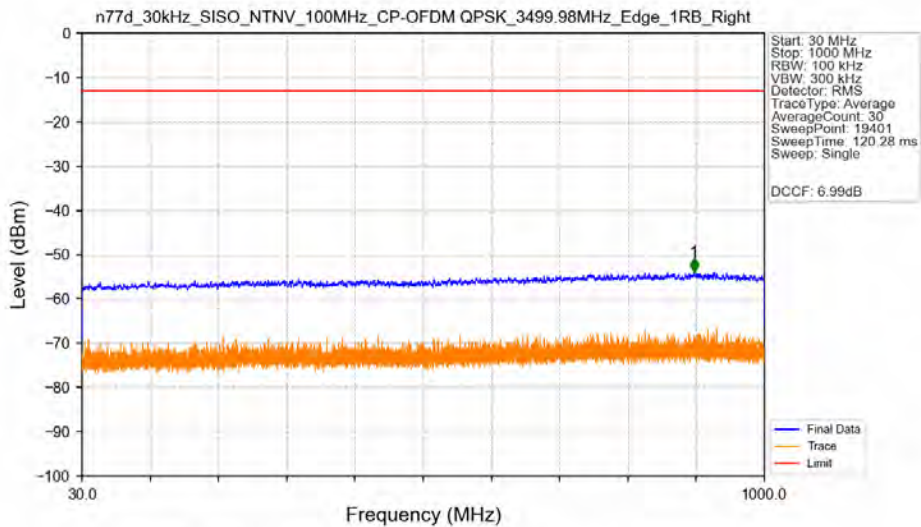
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.01	1	/	1	3240.500	-47.42	-13	Pass
3445.01	3555.01	1	/	/	/	/	/	/
3555.01	35500	1	/	2	34612.000	-33.51	-13	Pass

n77d 30kHz SISO NTN 100MHz CP-OFDM QPSK 3499.98MHz Edge 1RB Right Ant2



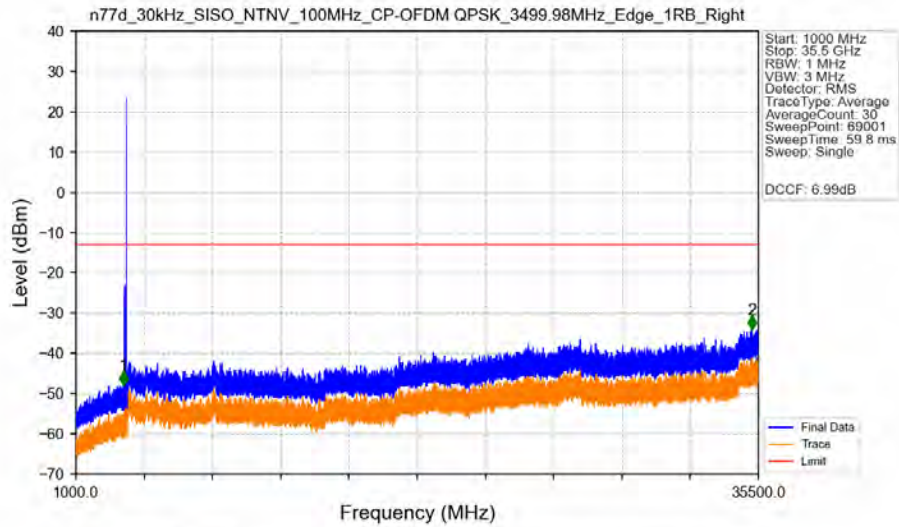
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3444.98	3444.98	0.5	/	1	3444.980	-68.91	-13	Pass
3444.98	3448.98	0.5	CHP	2	3448.685	-55.90	-13	Pass
3448.98	3449.98	0.03	/	3	3449.435	-64.72	-13	Pass
3449.98	3549.98	0.03	/	/	/	/	/	/
3549.98	3550.98	0.03	/	4	3550.030	-28.38	-13	Pass
3550.98	3554.98	0.5	CHP	5	3551.305	-30.43	-13	Pass

n77d 30kHz SISO NTN 100MHz CP-OFDM QPSK 3499.98MHz Edge 1RB Right Ant2



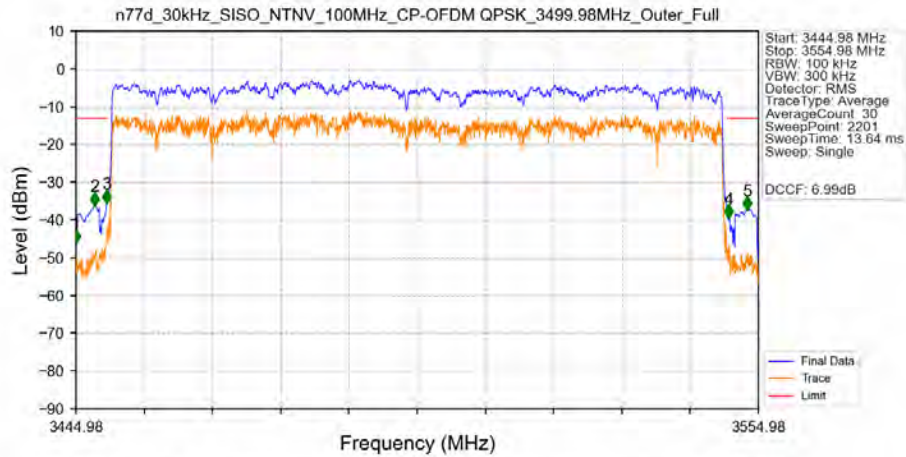
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	899.950	-53.94	-13	Pass

n77d 30kHz SISO NTN 100MHz CP-OFDM QPSK 3499.98MHz Edge 1RB Right Ant2



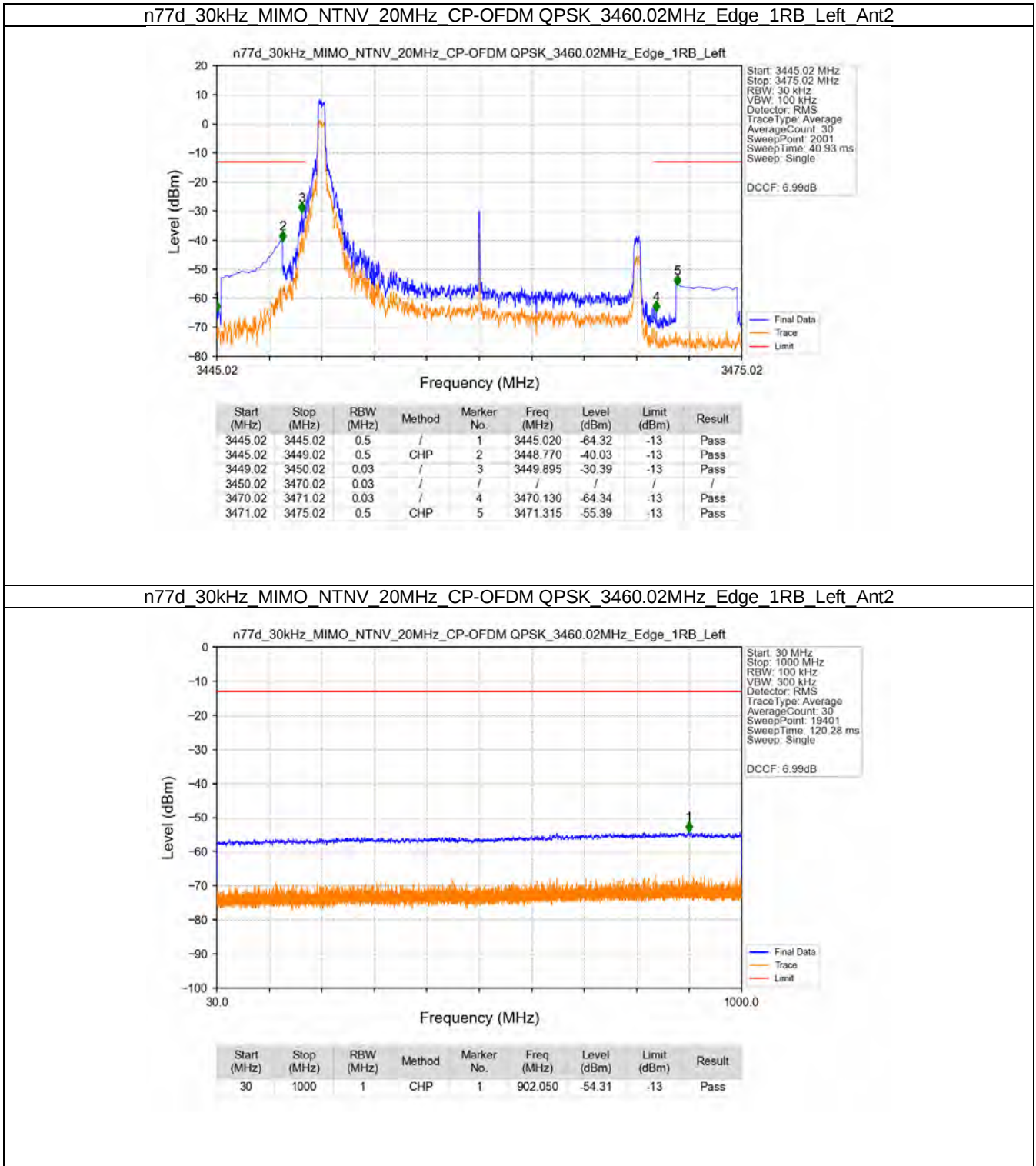
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3444.98	1	/	1	3402.000	-47.93	-13	Pass
3444.98	3554.98	1	/	/	/	/	/	/
3554.98	35500	1	/	2	35169.500	-34.13	-13	Pass

n77d 30kHz SISO NTN 100MHz CP-OFDM QPSK 3499.98MHz Outer_Full Ant2

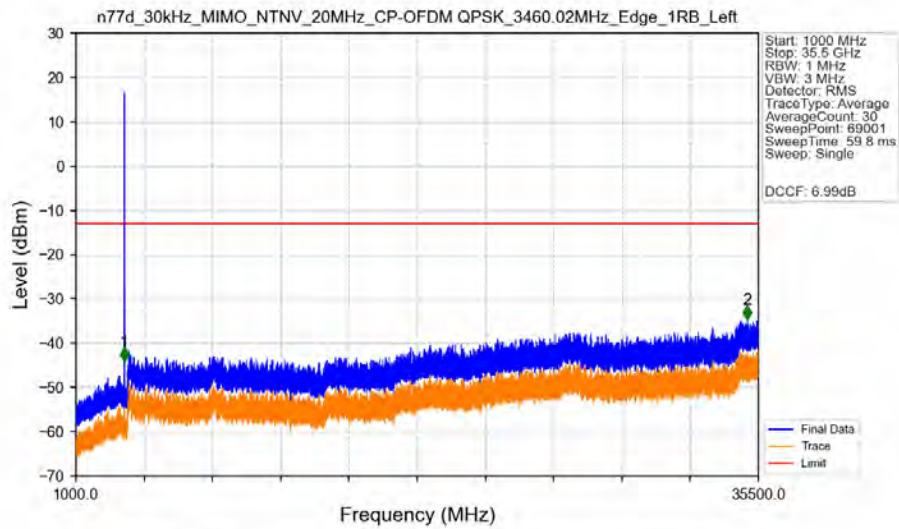


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3444.98	3444.98	0.5	/	1	3444.980	-45.75	-13	Pass
3444.98	3448.98	0.5	CHP	2	3448.030	-35.97	-13	Pass
3448.98	3449.98	0.2	CHP	3	3449.930	-35.31	-13	Pass
3449.98	3549.98	0.2	CHP	/	/	/	/	/
3549.98	3550.98	0.2	CHP	4	3550.230	-39.26	-13	Pass
3550.98	3554.98	0.5	CHP	5	3553.180	-37.10	-13	Pass

5.2.4 30k_MIMO_20MHz_NTNV

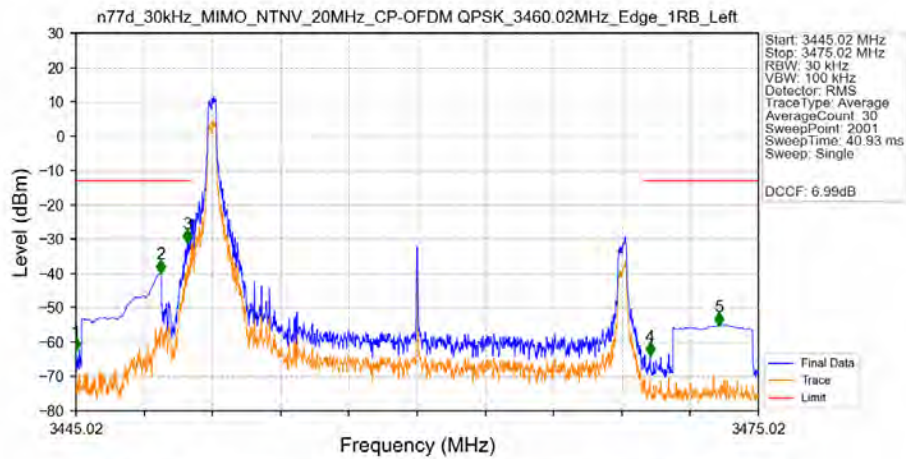


n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left_Ant2



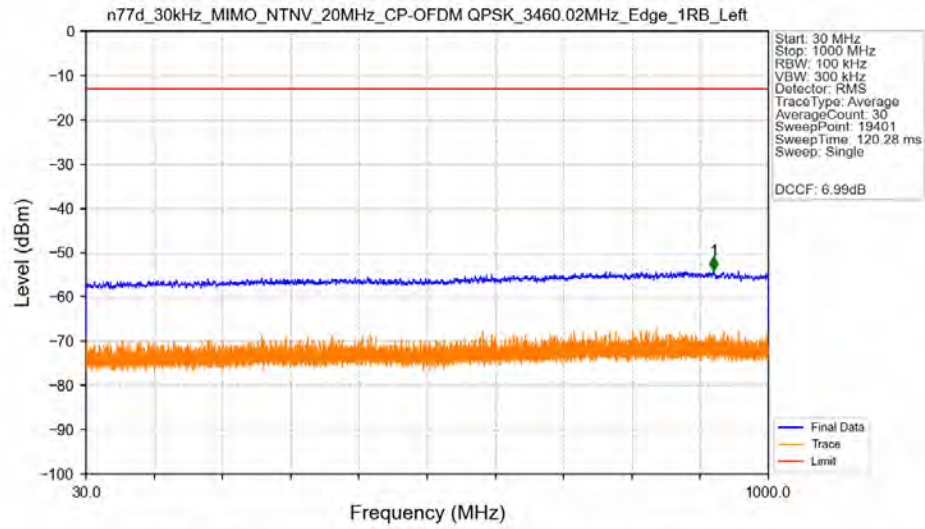
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3444.000	-44.03	-13	Pass
3445.02	3475.02	1	/	/	/	/	/	/
3475.02	3500	1	/	2	34948.000	-34.66	-13	Pass

n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left_Ant0

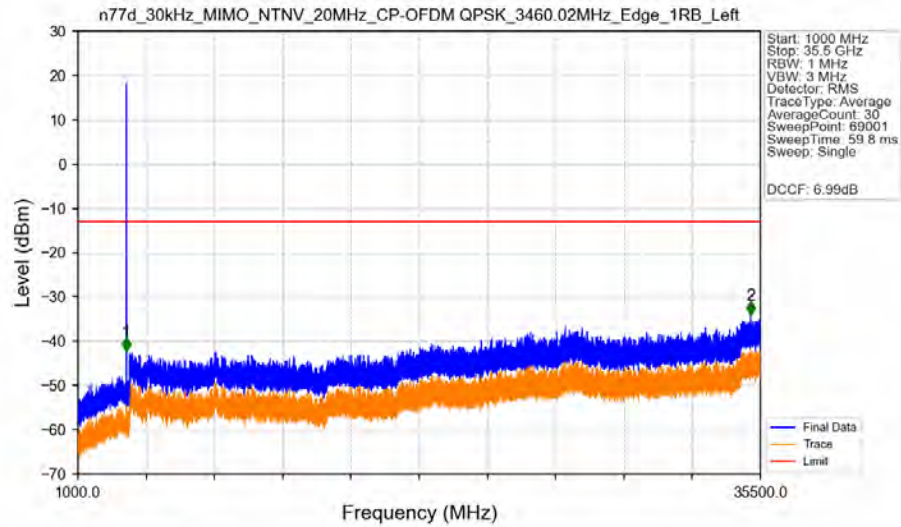


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-62.22	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.755	-39.58	-13	Pass
3449.02	3450.02	0.03	/	3	3449.925	-30.72	-13	Pass
3450.02	3470.02	0.03	/	/	/	/	/	/
3470.02	3471.02	0.03	/	4	3470.265	-63.60	-13	Pass
3471.02	3475.02	0.5	CHP	5	3473.280	-54.91	-13	Pass

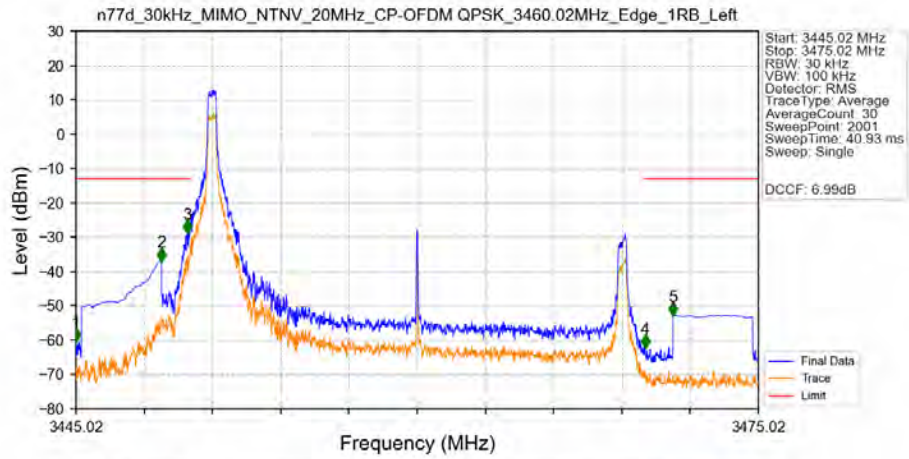
n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left_Ant0



n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left_Ant0

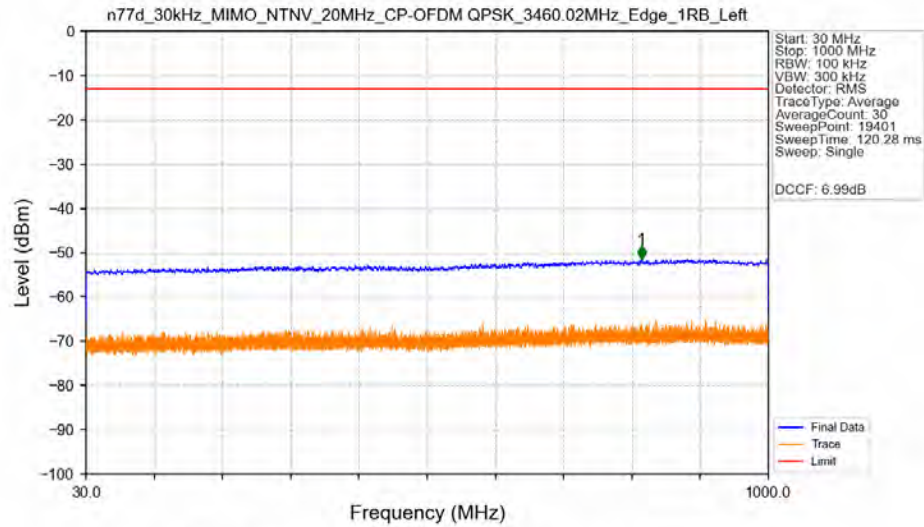


n77d 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left MIMO



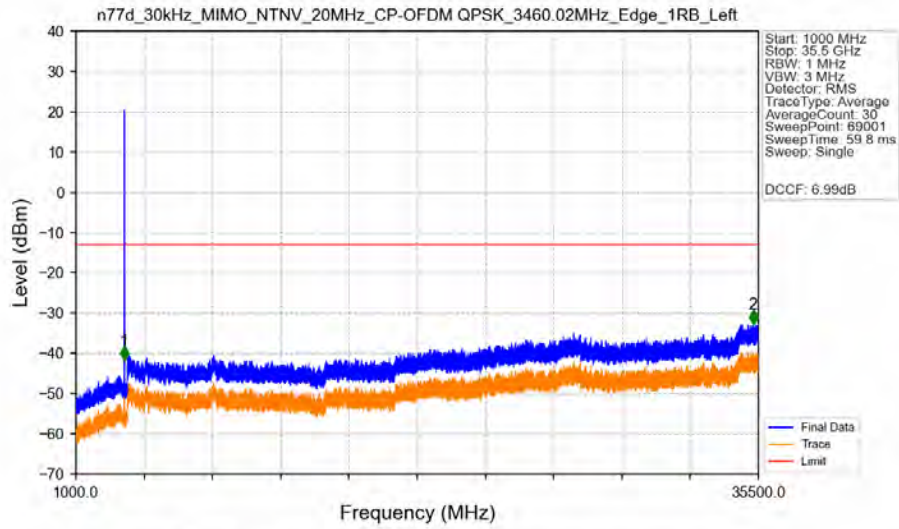
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-60.14	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.770	-36.79	-13	Pass
3449.02	3450.02	0.03	/	3	3449.925	-28.64	-13	Pass
3450.02	3470.02	0.03	/	/	/	/	/	/
3470.02	3471.02	0.03	/	4	3470.040	-61.98	-13	Pass
3471.02	3475.02	0.5	CHP	5	3471.270	-52.60	-13	Pass

n77d 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left MIMO



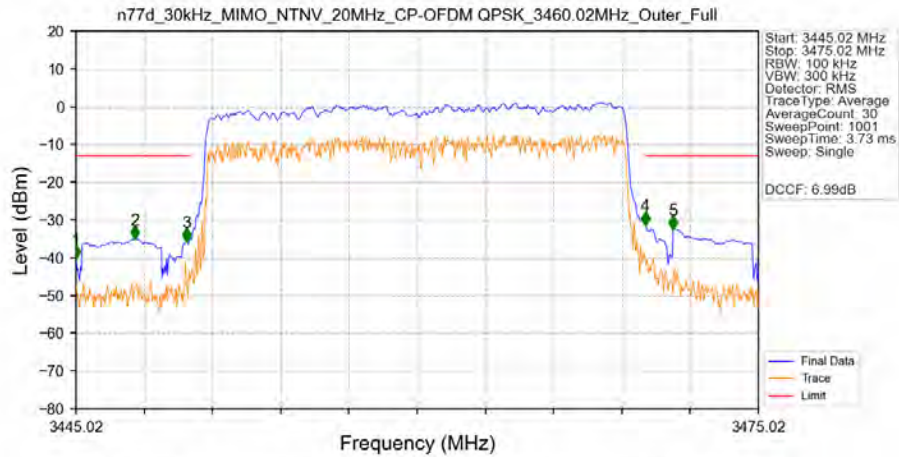
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	819.550	-51.46	-13	Pass

n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left_MIMO



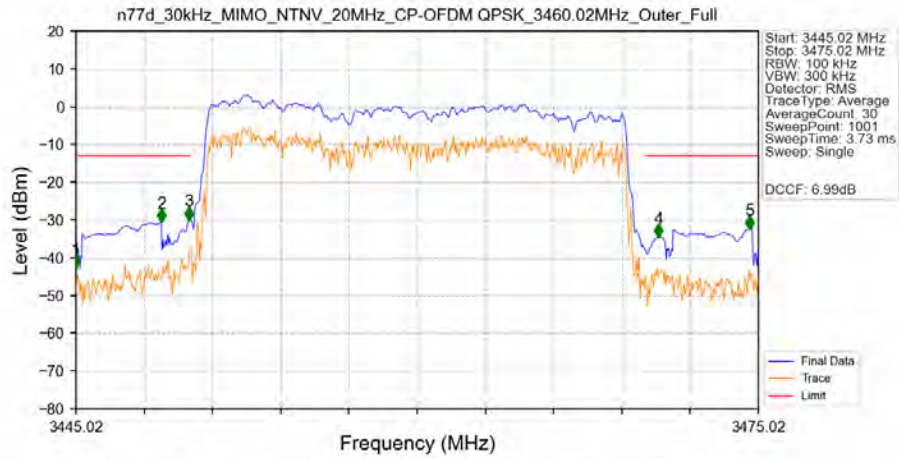
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3445.02	1	/	1	3441.500	-41.64	-13	Pass
3445.02	3475.02	1	/	/	/	/	/	/
3475.02	3500	1	/	2	35240.500	-32.68	-13	Pass

n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Outer_Full_Ant2



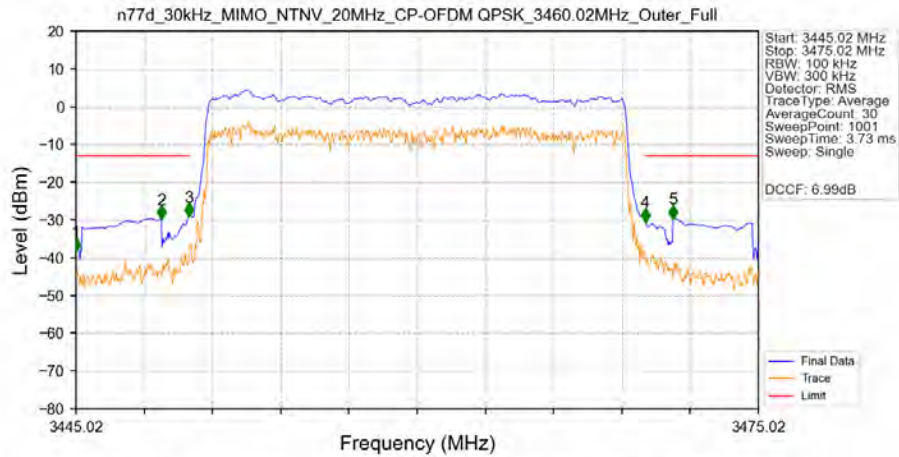
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-39.93	-13	Pass
3445.02	3449.02	0.5	CHP	2	3447.600	-34.80	-13	Pass
3449.02	3450.02	0.19955	CHP	3	3449.880	-35.41	-13	Pass
3450.02	3470.02	0.19955	CHP	/	/	/	/	/
3470.02	3471.02	0.19955	CHP	4	3470.040	-31.05	-13	Pass
3471.02	3475.02	0.5	CHP	5	3471.270	-32.22	-13	Pass

n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Outer_Full_Ant0



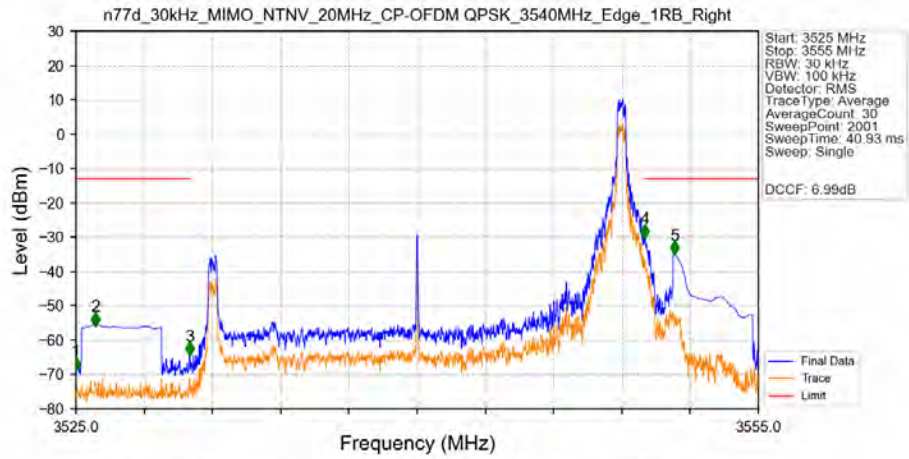
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-42.56	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.770	-30.35	-13	Pass
3449.02	3450.02	0.19964	CHP	3	3450.000	-29.79	-13	Pass
3450.02	3470.02	0.19964	CHP	/	/	/	/	/
3470.02	3471.02	0.19964	CHP	4	3470.640	-34.46	-13	Pass
3471.02	3475.02	0.5	CHP	5	3474.630	-32.24	-13	Pass

n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Outer_Full_MIMO

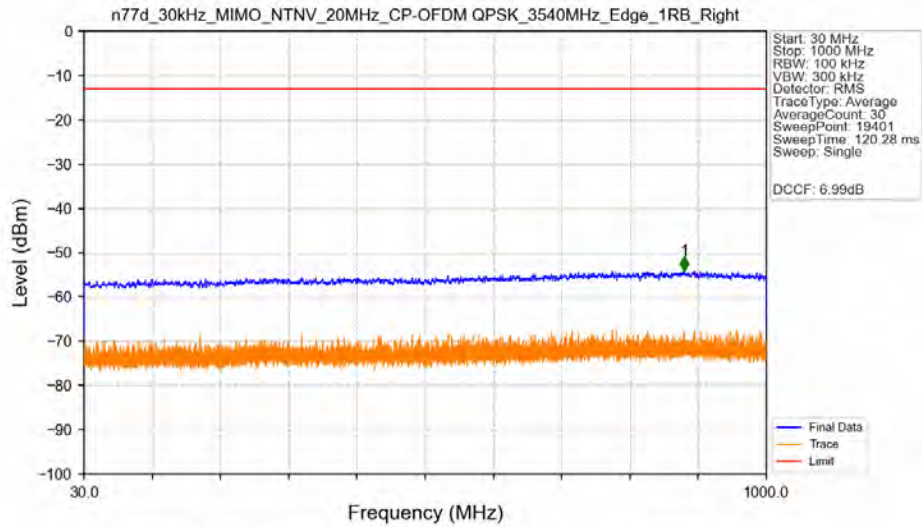


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445.02	3445.02	0.5	/	1	3445.020	-38.04	-13	Pass
3445.02	3449.02	0.5	CHP	2	3448.770	-29.53	-13	Pass
3449.02	3450.02	0.19964	CHP	3	3450.000	-28.79	-13	Pass
3450.02	3470.02	0.19964	CHP	/	/	/	/	/
3470.02	3471.02	0.19964	CHP	4	3470.040	-30.25	-13	Pass
3471.02	3475.02	0.5	CHP	5	3471.270	-29.37	-13	Pass

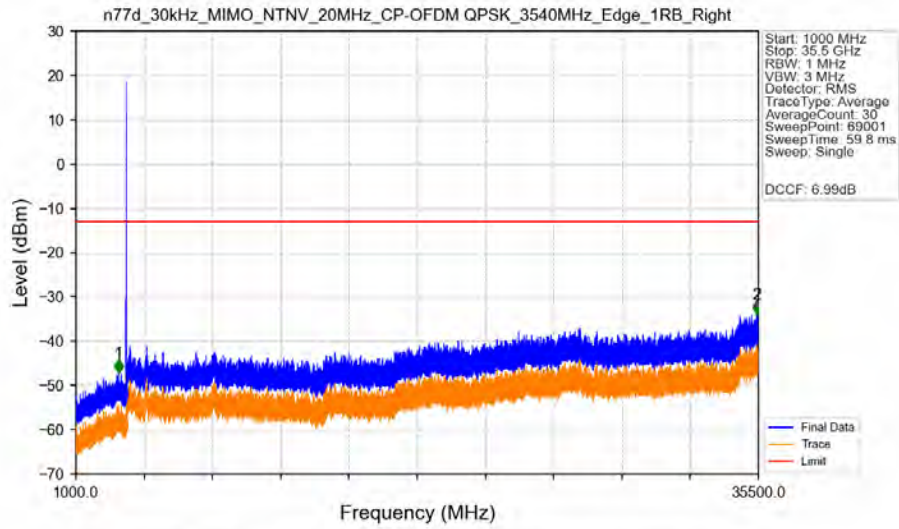
n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant2



n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant2

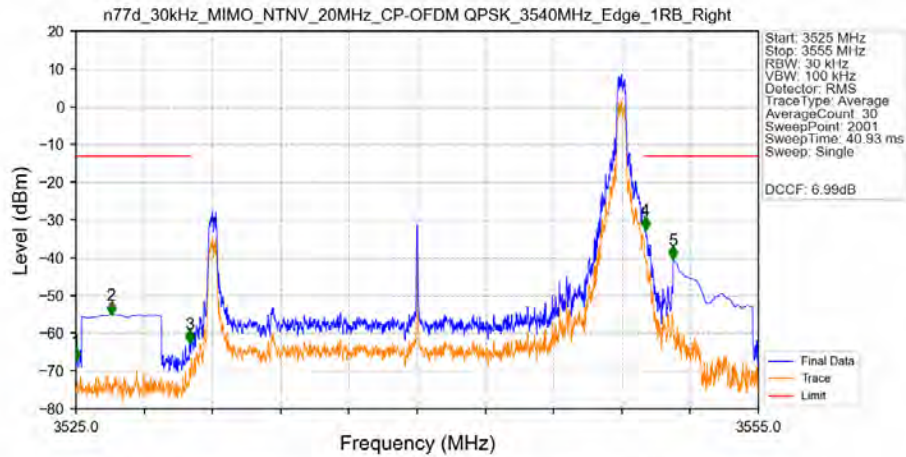


n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant2



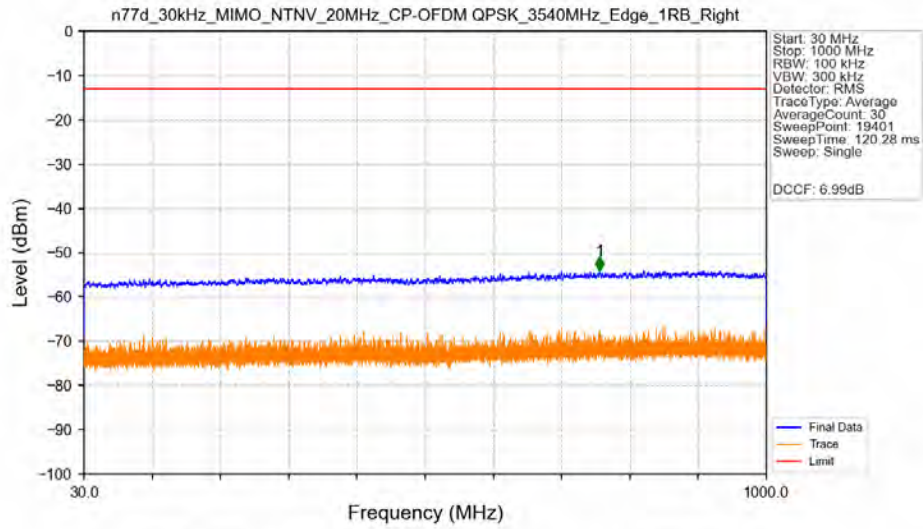
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3525	1	/	1	3147.500	-47.19	-13	Pass
3525	3555	1	/	/	/	/	/	/
3555	35500	1	/	2	35415.000	-33.82	-13	Pass

n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant0

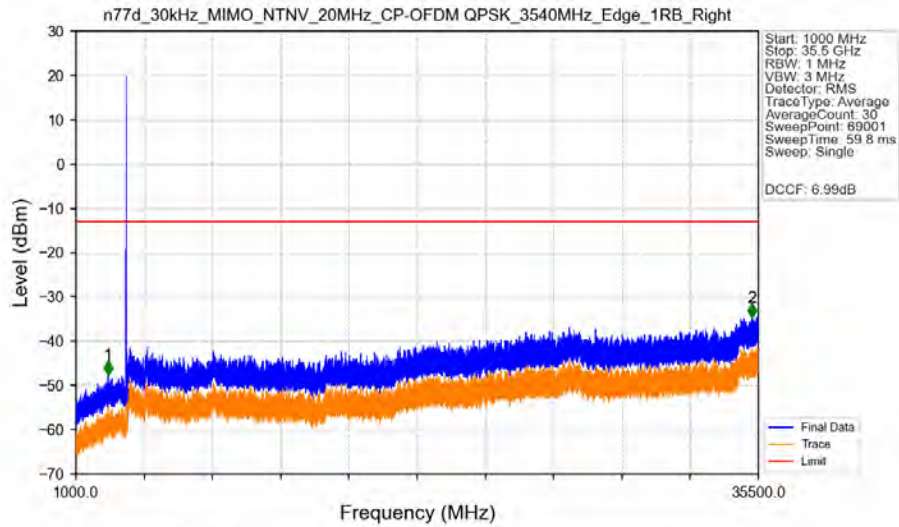


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3525	0.5	/	1	3525.000	-67.01	-13	Pass
3525	3529	0.5	CHP	2	3526.545	-54.80	-13	Pass
3529	3530	0.03	/	3	3529.995	-62.42	-13	Pass
3530	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.020	-32.33	-13	Pass
3551	3555	0.5	CHP	5	3551.250	-40.23	-13	Pass

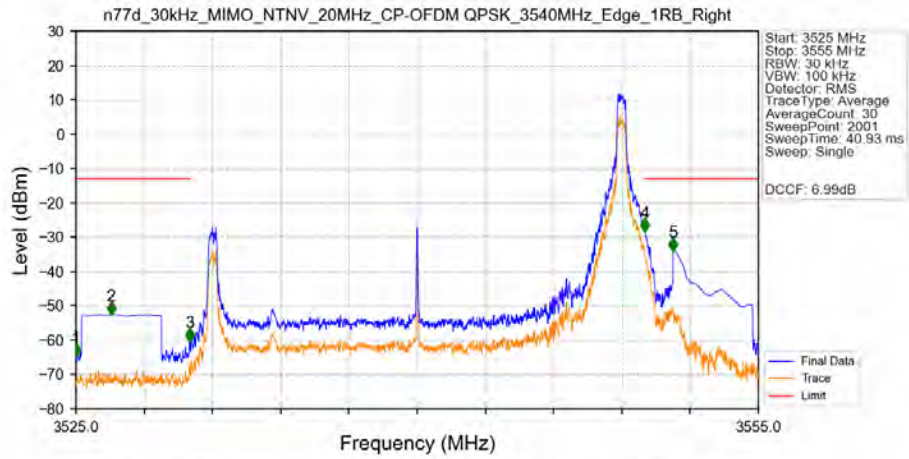
n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant0



n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right_Ant0

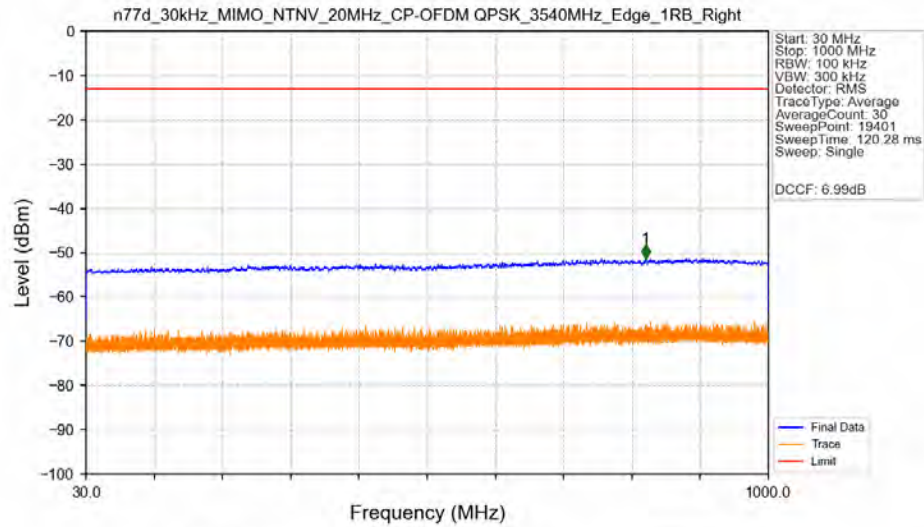


n77d 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right MIMO



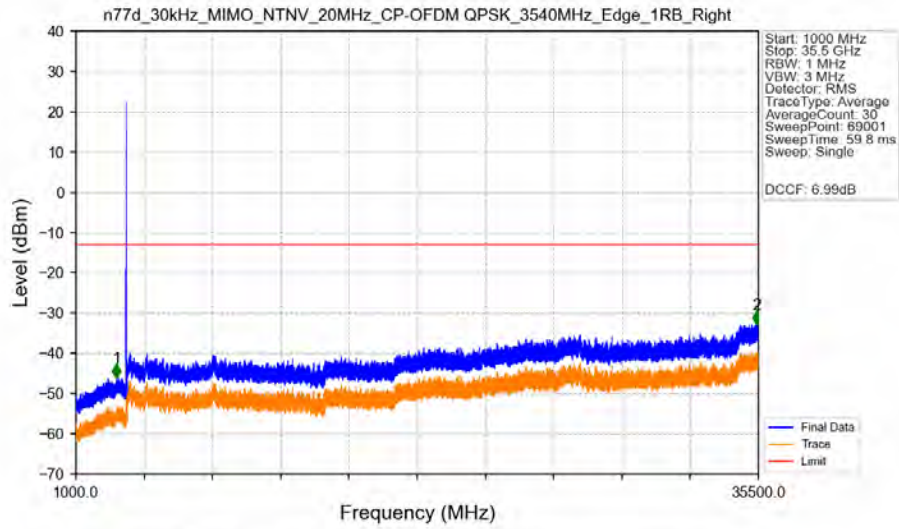
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3525	0.5	/	1	3525.000	-64.68	-13	Pass
3525	3529	0.5	CHP	2	3526.545	-52.44	-13	Pass
3529	3530	0.03	/	3	3529.995	-60.18	-13	Pass
3530	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	4	3550.005	-28.16	-13	Pass
3551	3555	0.5	CHP	5	3551.250	-33.80	-13	Pass

n77d 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right MIMO



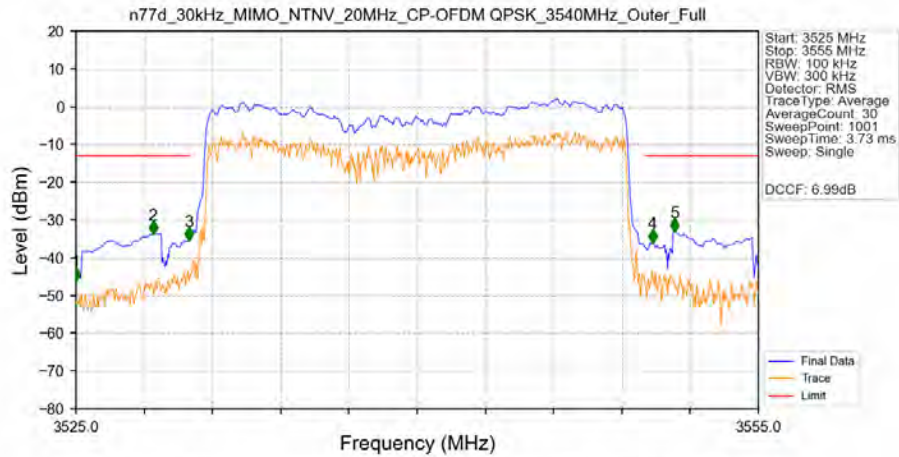
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	825.700	-51.34	-13	Pass

n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right_MIMO



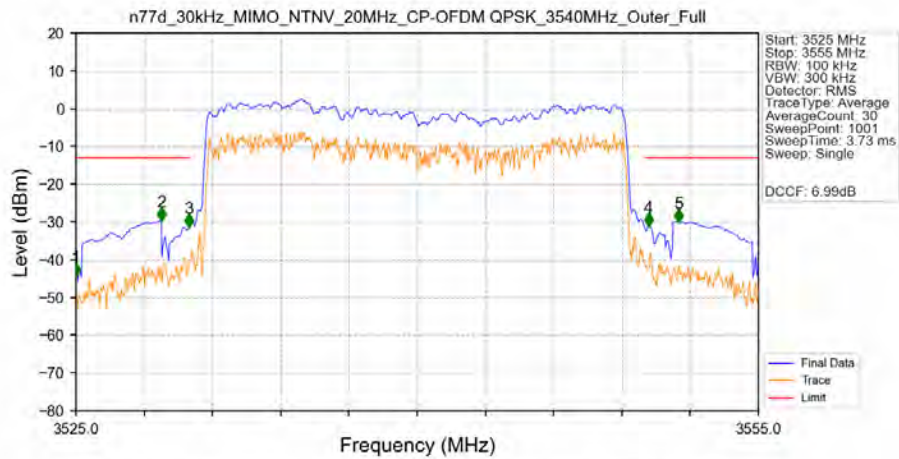
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3525	1	/	1	3057.500	-46.11	-13	Pass
3525	3555	1	/	/	/	/	/	/
3555	35500	1	/	2	35415.000	-32.87	-13	Pass

n77d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Outer_Full_Ant2



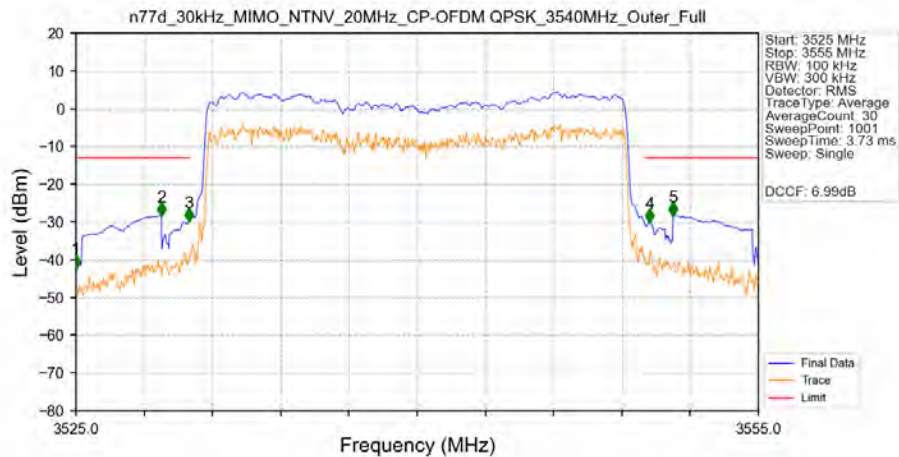
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3525	0.5	/	1	3525.000	-45.80	-13	Pass
3525	3529	0.5	CHP	2	3528.390	-33.59	-13	Pass
3529	3530	0.2	CHP	3	3529.980	-35.20	-13	Pass
3530	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.350	-35.81	-13	Pass
3551	3555	0.5	CHP	5	3551.310	-32.88	-13	Pass

n77d 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Outer Full Ant0



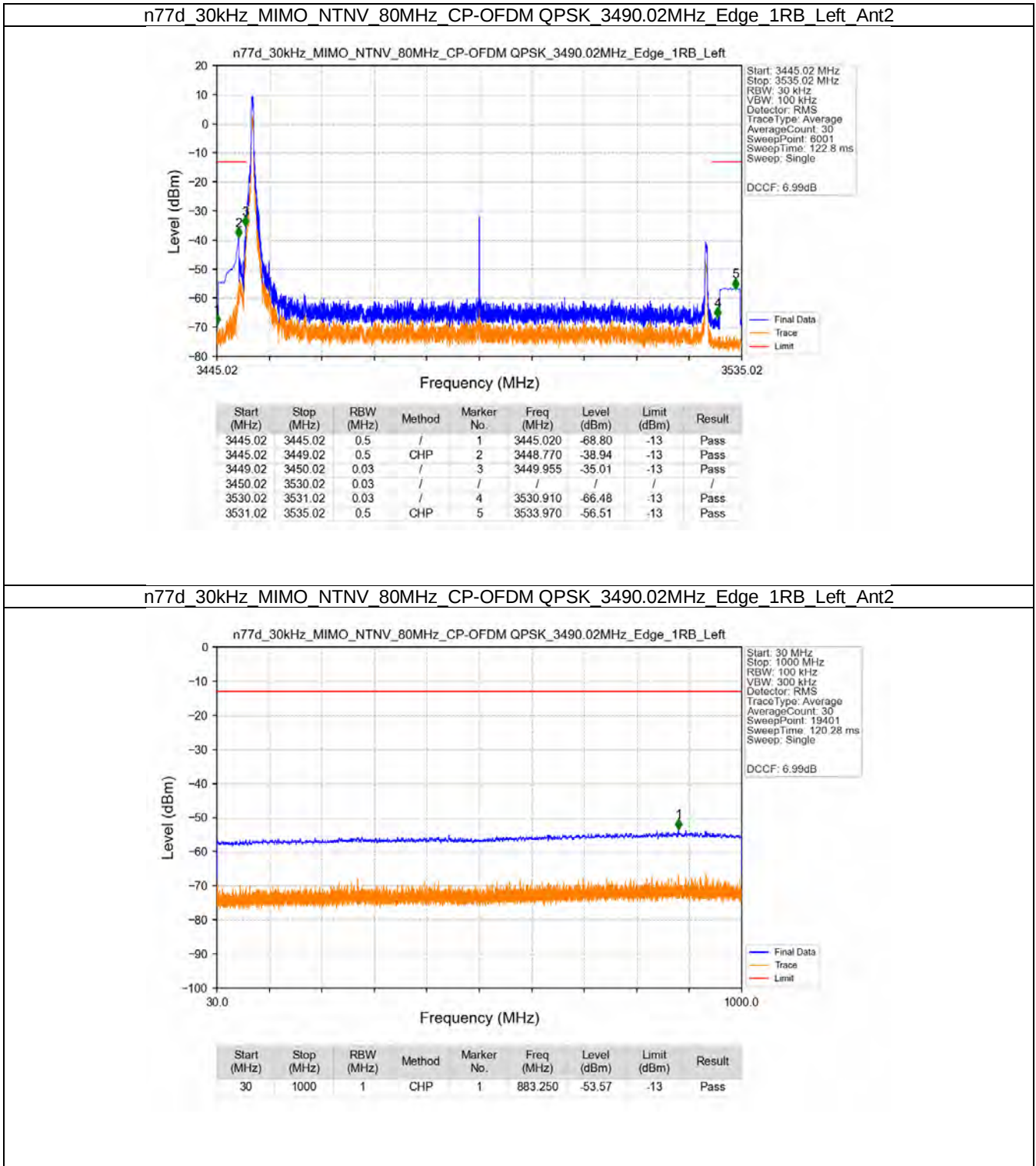
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3525	0.5	/	1	3525.000	-44.26	-13	Pass
3525	3529	0.5	CHP	2	3528.750	-29.52	-13	Pass
3529	3530	0.2	CHP	3	3529.980	-31.12	-13	Pass
3530	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.170	-31.04	-13	Pass
3551	3555	0.5	CHP	5	3551.490	-29.92	-13	Pass

n77d 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Outer Full MIMO

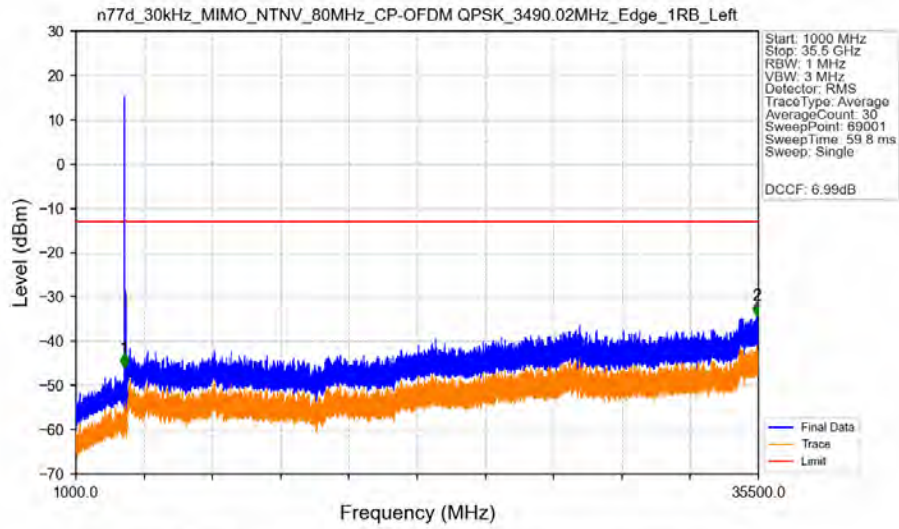


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3525	0.5	/	1	3525.000	-41.95	-13	Pass
3525	3529	0.5	CHP	2	3528.750	-28.17	-13	Pass
3529	3530	0.2	CHP	3	3529.980	-29.69	-13	Pass
3530	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.230	-29.97	-13	Pass
3551	3555	0.5	CHP	5	3551.250	-28.24	-13	Pass

5.2.5 30k_MIMO_80MHz_NTNV



n77d_30kHz_MIMO_NTNV_80MHz_CP-OFDM_QPSK_3490.02MHz_Edge_1RB_Left_Ant2



n77d_30kHz_MIMO_NTNV_80MHz_CP-OFDM_QPSK_3490.02MHz_Edge_1RB_Left_Ant0

