

		Edge 1RB Right	16.68	/	/	17.64	/	/	<=30	Pass	
		Outer_Full	16.72	/	/	17.68	/	/	<=30	Pass	
		Inner_Full	16.72	/	/	17.68	/	/	<=30	Pass	
		Inner_1RB Left	16.93	/	/	17.89	/	/	<=30	Pass	
		Inner_1RB Right	16.66	/	/	17.62	/	/	<=30	Pass	
	3500.01	Edge_1RB Left	16.69	/	/	17.65	/	/	<=30	Pass	
		Edge_1RB Right	16.68	/	/	17.64	/	/	<=30	Pass	
		Outer_Full	16.7	/	/	17.66	/	/	<=30	Pass	
		Inner_Full	16.82	/	/	17.78	/	/	<=30	Pass	
		Inner_1RB Left	16.75	/	/	17.71	/	/	<=30	Pass	
		Inner_1RB Right	16.68	/	/	17.64	/	/	<=30	Pass	
	3525	Edge_1RB Left	16.71	/	/	17.67	/	/	<=30	Pass	
		Edge_1RB Right	16.99	/	/	17.95	/	/	<=30	Pass	
		Outer_Full	16.71	/	/	17.67	/	/	<=30	Pass	
		Inner_Full	16.69	/	/	17.65	/	/	<=30	Pass	
		Inner_1RB Left	16.74	/	/	17.7	/	/	<=30	Pass	
		Inner_1RB Right	17.06	/	/	18.02	/	/	<=30	Pass	
	Note1: Antenna Gain: Ant11: 0.96dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.8 30k_SISO_60MHz_NTNV_EIRP

5G NR n78e SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Edge 1RB Left	19.65	/	/	20.61	/	/	<=30	Pass
		Edge 1RB Right	19.68	/	/	20.64	/	/	<=30	Pass
		Outer_Full	22.53	/	/	23.49	/	/	<=30	Pass
		Inner_Full	22.98	/	/	23.94	/	/	<=30	Pass
		Inner 1RB Left	22.95	/	/	23.91	/	/	<=30	Pass
		Inner 1RB Right	23.05	/	/	24.01	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.39	/	/	20.35	/	/	<=30	Pass
		Edge 1RB Right	19.44	/	/	20.4	/	/	<=30	Pass
		Outer_Full	22.48	/	/	23.44	/	/	<=30	Pass
		Inner_Full	23.05	/	/	24.01	/	/	<=30	Pass
		Inner 1RB Left	22.73	/	/	23.69	/	/	<=30	Pass
		Inner 1RB Right	22.82	/	/	23.78	/	/	<=30	Pass
	3519.99	Edge 1RB Left	19.45	/	/	20.41	/	/	<=30	Pass
		Edge 1RB Right	19.97	/	/	20.93	/	/	<=30	Pass
		Outer_Full	22.65	/	/	23.61	/	/	<=30	Pass
		Inner_Full	23.12	/	/	24.08	/	/	<=30	Pass
		Inner 1RB Left	22.77	/	/	23.73	/	/	<=30	Pass
		Inner 1RB Right	23.28	/	/	24.24	/	/	<=30	Pass
DFT-s-OFDM QPSK	3480	Edge 1RB Left	19.69	/	/	20.65	/	/	<=30	Pass
		Edge 1RB Right	19.64	/	/	20.6	/	/	<=30	Pass
		Outer_Full	22.04	/	/	23	/	/	<=30	Pass
		Inner_Full	22.96	/	/	23.92	/	/	<=30	Pass
		Inner 1RB Left	22.87	/	/	23.83	/	/	<=30	Pass
		Inner 1RB Right	23.01	/	/	23.97	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.35	/	/	20.31	/	/	<=30	Pass
		Edge 1RB Right	19.43	/	/	20.39	/	/	<=30	Pass
		Outer_Full	21.99	/	/	22.95	/	/	<=30	Pass
		Inner_Full	23.01	/	/	23.97	/	/	<=30	Pass
		Inner 1RB Left	22.69	/	/	23.65	/	/	<=30	Pass
		Inner 1RB Right	22.78	/	/	23.74	/	/	<=30	Pass
	3519.99	Edge 1RB Left	19.42	/	/	20.38	/	/	<=30	Pass
		Edge 1RB Right	19.93	/	/	20.89	/	/	<=30	Pass
		Outer_Full	22.09	/	/	23.05	/	/	<=30	Pass

		Inner_Full	23.07	/	/	24.03	/	/	<=30	Pass
		Inner_1RB_Left	22.78	/	/	23.74	/	/	<=30	Pass
		Inner_1RB_Right	23.31	/	/	24.27	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3480	Edge_1RB_Left	19.48	/	/	20.44	/	/	<=30	Pass
		Edge_1RB_Right	19.44	/	/	20.4	/	/	<=30	Pass
		Outer_Full	21.03	/	/	21.99	/	/	<=30	Pass
		Inner_Full	21.99	/	/	22.95	/	/	<=30	Pass
		Inner_1RB_Left	21.68	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	21.83	/	/	22.79	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.17	/	/	20.13	/	/	<=30	Pass
		Edge_1RB_Right	19.2	/	/	20.16	/	/	<=30	Pass
		Outer_Full	20.97	/	/	21.93	/	/	<=30	Pass
		Inner_Full	22.07	/	/	23.03	/	/	<=30	Pass
		Inner_1RB_Left	21.62	/	/	22.58	/	/	<=30	Pass
		Inner_1RB_Right	21.66	/	/	22.62	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	19.21	/	/	20.17	/	/	<=30	Pass
		Edge_1RB_Right	19.76	/	/	20.72	/	/	<=30	Pass
		Outer_Full	21.11	/	/	22.07	/	/	<=30	Pass
		Inner_Full	22.11	/	/	23.07	/	/	<=30	Pass
		Inner_1RB_Left	21.71	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Right	22.2	/	/	23.16	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3480	Edge_1RB_Left	19.87	/	/	20.83	/	/	<=30	Pass
		Edge_1RB_Right	19.92	/	/	20.88	/	/	<=30	Pass
		Outer_Full	20.57	/	/	21.53	/	/	<=30	Pass
		Inner_Full	20.58	/	/	21.54	/	/	<=30	Pass
		Inner_1RB_Left	20.83	/	/	21.79	/	/	<=30	Pass
		Inner_1RB_Right	20.81	/	/	21.77	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.71	/	/	20.67	/	/	<=30	Pass
		Edge_1RB_Right	19.69	/	/	20.65	/	/	<=30	Pass
		Outer_Full	20.53	/	/	21.49	/	/	<=30	Pass
		Inner_Full	20.59	/	/	21.55	/	/	<=30	Pass
		Inner_1RB_Left	20.73	/	/	21.69	/	/	<=30	Pass
		Inner_1RB_Right	20.64	/	/	21.6	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	19.65	/	/	20.61	/	/	<=30	Pass
		Edge_1RB_Right	20.23	/	/	21.19	/	/	<=30	Pass
		Outer_Full	20.63	/	/	21.59	/	/	<=30	Pass
		Inner_Full	20.64	/	/	21.6	/	/	<=30	Pass
		Inner_1RB_Left	20.66	/	/	21.62	/	/	<=30	Pass
		Inner_1RB_Right	21.09	/	/	22.05	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3480	Edge_1RB_Left	18.71	/	/	19.67	/	/	<=30	Pass
		Edge_1RB_Right	18.69	/	/	19.65	/	/	<=30	Pass
		Outer_Full	18.64	/	/	19.6	/	/	<=30	Pass
		Inner_Full	18.59	/	/	19.55	/	/	<=30	Pass
		Inner_1RB_Left	18.71	/	/	19.67	/	/	<=30	Pass
		Inner_1RB_Right	18.69	/	/	19.65	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.47	/	/	19.43	/	/	<=30	Pass
		Edge_1RB_Right	18.47	/	/	19.43	/	/	<=30	Pass
		Outer_Full	18.6	/	/	19.56	/	/	<=30	Pass
		Inner_Full	18.67	/	/	19.63	/	/	<=30	Pass
		Inner_1RB_Left	18.43	/	/	19.39	/	/	<=30	Pass
		Inner_1RB_Right	18.47	/	/	19.43	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	18.44	/	/	19.4	/	/	<=30	Pass
		Edge_1RB_Right	18.99	/	/	19.95	/	/	<=30	Pass
		Outer_Full	18.64	/	/	19.6	/	/	<=30	Pass
		Inner_Full	18.62	/	/	19.58	/	/	<=30	Pass
		Inner_1RB_Left	18.5	/	/	19.46	/	/	<=30	Pass
		Inner_1RB_Right	19.01	/	/	19.97	/	/	<=30	Pass
CP-OFDM QPSK	3480	Edge_1RB_Left	19.68	/	/	20.64	/	/	<=30	Pass
		Edge_1RB_Right	19.5	/	/	20.46	/	/	<=30	Pass

		Outer_Full	20.03	/	/	20.99	/	/	<=30	Pass
		Inner_Full	21.47	/	/	22.43	/	/	<=30	Pass
		Inner_1RB_Left	21.54	/	/	22.5	/	/	<=30	Pass
		Inner_1RB_Right	21.48	/	/	22.44	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.22	/	/	20.18	/	/	<=30	Pass
		Edge_1RB_Right	19.46	/	/	20.42	/	/	<=30	Pass
		Outer_Full	20.01	/	/	20.97	/	/	<=30	Pass
		Inner_Full	21.5	/	/	22.46	/	/	<=30	Pass
		Inner_1RB_Left	21.26	/	/	22.22	/	/	<=30	Pass
		Inner_1RB_Right	21.34	/	/	22.3	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	19.38	/	/	20.34	/	/	<=30	Pass
		Edge_1RB_Right	20.11	/	/	21.07	/	/	<=30	Pass
		Outer_Full	20.09	/	/	21.05	/	/	<=30	Pass
		Inner_Full	21.56	/	/	22.52	/	/	<=30	Pass
		Inner_1RB_Left	21.3	/	/	22.26	/	/	<=30	Pass
		Inner_1RB_Right	21.81	/	/	22.77	/	/	<=30	Pass
CP-OFDM 16 QAM	3480	Edge_1RB_Left	19.53	/	/	20.49	/	/	<=30	Pass
		Edge_1RB_Right	19.48	/	/	20.44	/	/	<=30	Pass
		Outer_Full	20.02	/	/	20.98	/	/	<=30	Pass
		Inner_Full	20.94	/	/	21.9	/	/	<=30	Pass
		Inner_1RB_Left	20.91	/	/	21.87	/	/	<=30	Pass
		Inner_1RB_Right	20.88	/	/	21.84	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.19	/	/	20.15	/	/	<=30	Pass
		Edge_1RB_Right	19.22	/	/	20.18	/	/	<=30	Pass
		Outer_Full	19.99	/	/	20.95	/	/	<=30	Pass
		Inner_Full	21.02	/	/	21.98	/	/	<=30	Pass
		Inner_1RB_Left	20.54	/	/	21.5	/	/	<=30	Pass
		Inner_1RB_Right	20.71	/	/	21.67	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	19.21	/	/	20.17	/	/	<=30	Pass
		Edge_1RB_Right	19.7	/	/	20.66	/	/	<=30	Pass
		Outer_Full	20.06	/	/	21.02	/	/	<=30	Pass
		Inner_Full	21.04	/	/	22	/	/	<=30	Pass
		Inner_1RB_Left	20.51	/	/	21.47	/	/	<=30	Pass
		Inner_1RB_Right	21.22	/	/	22.18	/	/	<=30	Pass
CP-OFDM 64 QAM	3480	Edge_1RB_Left	19.82	/	/	20.78	/	/	<=30	Pass
		Edge_1RB_Right	19.83	/	/	20.79	/	/	<=30	Pass
		Outer_Full	19.55	/	/	20.51	/	/	<=30	Pass
		Inner_Full	19.58	/	/	20.54	/	/	<=30	Pass
		Inner_1RB_Left	19.84	/	/	20.8	/	/	<=30	Pass
		Inner_1RB_Right	19.85	/	/	20.81	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.54	/	/	20.5	/	/	<=30	Pass
		Edge_1RB_Right	19.61	/	/	20.57	/	/	<=30	Pass
		Outer_Full	19.51	/	/	20.47	/	/	<=30	Pass
		Inner_Full	19.59	/	/	20.55	/	/	<=30	Pass
		Inner_1RB_Left	19.61	/	/	20.57	/	/	<=30	Pass
		Inner_1RB_Right	19.61	/	/	20.57	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	19.59	/	/	20.55	/	/	<=30	Pass
		Edge_1RB_Right	20.18	/	/	21.14	/	/	<=30	Pass
		Outer_Full	19.59	/	/	20.55	/	/	<=30	Pass
		Inner_Full	19.64	/	/	20.6	/	/	<=30	Pass
		Inner_1RB_Left	19.62	/	/	20.58	/	/	<=30	Pass
		Inner_1RB_Right	20.12	/	/	21.08	/	/	<=30	Pass
CP-OFDM 256 QAM	3480	Edge_1RB_Left	16.84	/	/	17.8	/	/	<=30	Pass
		Edge_1RB_Right	16.82	/	/	17.78	/	/	<=30	Pass
		Outer_Full	16.67	/	/	17.63	/	/	<=30	Pass
		Inner_Full	16.63	/	/	17.59	/	/	<=30	Pass
		Inner_1RB_Left	16.87	/	/	17.83	/	/	<=30	Pass
		Inner_1RB_Right	16.81	/	/	17.77	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	16.63	/	/	17.59	/	/	<=30	Pass

		Edge 1RB Right	16.61	/	/	17.57	/	/	<=30	Pass
		Outer_Full	16.6	/	/	17.56	/	/	<=30	Pass
		Inner_Full	16.67	/	/	17.63	/	/	<=30	Pass
		Inner 1RB Left	16.63	/	/	17.59	/	/	<=30	Pass
		Inner 1RB Right	16.61	/	/	17.57	/	/	<=30	Pass
	3519.99	Edge 1RB Left	16.58	/	/	17.54	/	/	<=30	Pass
		Edge 1RB Right	17.13	/	/	18.09	/	/	<=30	Pass
		Outer_Full	16.66	/	/	17.62	/	/	<=30	Pass
		Inner_Full	16.67	/	/	17.63	/	/	<=30	Pass
		Inner 1RB Left	16.61	/	/	17.57	/	/	<=30	Pass
		Inner 1RB Right	17.14	/	/	18.1	/	/	<=30	Pass
Note1: Antenna Gain: Ant11: 0.96dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.9 30k_SISO_70MHz_NTNV_EIRP

5G NR n78e SCS=30kHz SISO 70MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3485.01	Edge 1RB Left	19.68	/	/	20.64	/	/	<=30	Pass
		Edge 1RB Right	19.53	/	/	20.49	/	/	<=30	Pass
		Outer_Full	22.48	/	/	23.44	/	/	<=30	Pass
		Inner_Full	22.92	/	/	23.88	/	/	<=30	Pass
		Inner 1RB Left	22.95	/	/	23.91	/	/	<=30	Pass
		Inner 1RB Right	23.02	/	/	23.98	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.55	/	/	20.51	/	/	<=30	Pass
		Edge 1RB Right	19.57	/	/	20.53	/	/	<=30	Pass
		Outer_Full	22.48	/	/	23.44	/	/	<=30	Pass
		Inner_Full	23.05	/	/	24.01	/	/	<=30	Pass
		Inner 1RB Left	22.79	/	/	23.75	/	/	<=30	Pass
		Inner 1RB Right	22.91	/	/	23.87	/	/	<=30	Pass
	3514.98	Edge 1RB Left	19.58	/	/	20.54	/	/	<=30	Pass
		Edge 1RB Right	20.04	/	/	21	/	/	<=30	Pass
		Outer_Full	22.71	/	/	23.67	/	/	<=30	Pass
		Inner_Full	23.19	/	/	24.15	/	/	<=30	Pass
		Inner 1RB Left	22.86	/	/	23.82	/	/	<=30	Pass
		Inner 1RB Right	23.43	/	/	24.39	/	/	<=30	Pass
DFT-s-OFDM QPSK	3485.01	Edge 1RB Left	19.69	/	/	20.65	/	/	<=30	Pass
		Edge 1RB Right	19.48	/	/	20.44	/	/	<=30	Pass
		Outer_Full	22.01	/	/	22.97	/	/	<=30	Pass
		Inner_Full	22.95	/	/	23.91	/	/	<=30	Pass
		Inner 1RB Left	22.92	/	/	23.88	/	/	<=30	Pass
		Inner 1RB Right	22.92	/	/	23.88	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.43	/	/	20.39	/	/	<=30	Pass
		Edge 1RB Right	19.51	/	/	20.47	/	/	<=30	Pass
		Outer_Full	22.09	/	/	23.05	/	/	<=30	Pass
		Inner_Full	23.02	/	/	23.98	/	/	<=30	Pass
		Inner 1RB Left	22.73	/	/	23.69	/	/	<=30	Pass
		Inner 1RB Right	22.9	/	/	23.86	/	/	<=30	Pass
	3514.98	Edge 1RB Left	19.52	/	/	20.48	/	/	<=30	Pass
		Edge 1RB Right	20.04	/	/	21	/	/	<=30	Pass
		Outer_Full	22.2	/	/	23.16	/	/	<=30	Pass
		Inner_Full	23.16	/	/	24.12	/	/	<=30	Pass
		Inner 1RB Left	22.82	/	/	23.78	/	/	<=30	Pass
		Inner 1RB Right	23.37	/	/	24.33	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3485.01	Edge 1RB Left	19.48	/	/	20.44	/	/	<=30	Pass
		Edge 1RB Right	19.4	/	/	20.36	/	/	<=30	Pass
		Outer_Full	21.05	/	/	22.01	/	/	<=30	Pass

		Inner_Full	21.93	/	/	22.89	/	/	<=30	Pass
		Inner_1RB_Left	21.88	/	/	22.84	/	/	<=30	Pass
		Inner_1RB_Right	21.75	/	/	22.71	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.34	/	/	20.3	/	/	<=30	Pass
		Edge_1RB_Right	19.28	/	/	20.24	/	/	<=30	Pass
		Outer_Full	21.05	/	/	22.01	/	/	<=30	Pass
		Inner_Full	22.13	/	/	23.09	/	/	<=30	Pass
		Inner_1RB_Left	21.53	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Right	21.79	/	/	22.75	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	19.39	/	/	20.35	/	/	<=30	Pass
		Edge_1RB_Right	19.8	/	/	20.76	/	/	<=30	Pass
		Outer_Full	21.23	/	/	22.19	/	/	<=30	Pass
		Inner_Full	22.27	/	/	23.23	/	/	<=30	Pass
		Inner_1RB_Left	21.64	/	/	22.6	/	/	<=30	Pass
		Inner_1RB_Right	22.29	/	/	23.25	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3485.01	Edge_1RB_Left	19.95	/	/	20.91	/	/	<=30	Pass
		Edge_1RB_Right	19.86	/	/	20.82	/	/	<=30	Pass
		Outer_Full	20.55	/	/	21.51	/	/	<=30	Pass
		Inner_Full	20.59	/	/	21.55	/	/	<=30	Pass
		Inner_1RB_Left	20.85	/	/	21.81	/	/	<=30	Pass
		Inner_1RB_Right	20.76	/	/	21.72	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.82	/	/	20.78	/	/	<=30	Pass
		Edge_1RB_Right	19.79	/	/	20.75	/	/	<=30	Pass
		Outer_Full	20.59	/	/	21.55	/	/	<=30	Pass
		Inner_Full	20.65	/	/	21.61	/	/	<=30	Pass
		Inner_1RB_Left	20.7	/	/	21.66	/	/	<=30	Pass
		Inner_1RB_Right	20.74	/	/	21.7	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	19.86	/	/	20.82	/	/	<=30	Pass
		Edge_1RB_Right	20.34	/	/	21.3	/	/	<=30	Pass
		Outer_Full	20.74	/	/	21.7	/	/	<=30	Pass
		Inner_Full	20.78	/	/	21.74	/	/	<=30	Pass
		Inner_1RB_Left	20.81	/	/	21.77	/	/	<=30	Pass
		Inner_1RB_Right	21.27	/	/	22.23	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3485.01	Edge_1RB_Left	18.75	/	/	19.71	/	/	<=30	Pass
		Edge_1RB_Right	18.59	/	/	19.55	/	/	<=30	Pass
		Outer_Full	18.65	/	/	19.61	/	/	<=30	Pass
		Inner_Full	18.6	/	/	19.56	/	/	<=30	Pass
		Inner_1RB_Left	18.73	/	/	19.69	/	/	<=30	Pass
		Inner_1RB_Right	18.63	/	/	19.59	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.55	/	/	19.51	/	/	<=30	Pass
		Edge_1RB_Right	18.58	/	/	19.54	/	/	<=30	Pass
		Outer_Full	18.66	/	/	19.62	/	/	<=30	Pass
		Inner_Full	18.69	/	/	19.65	/	/	<=30	Pass
		Inner_1RB_Left	18.56	/	/	19.52	/	/	<=30	Pass
		Inner_1RB_Right	18.55	/	/	19.51	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	18.6	/	/	19.56	/	/	<=30	Pass
		Edge_1RB_Right	19.12	/	/	20.08	/	/	<=30	Pass
		Outer_Full	18.78	/	/	19.74	/	/	<=30	Pass
		Inner_Full	18.82	/	/	19.78	/	/	<=30	Pass
		Inner_1RB_Left	18.65	/	/	19.61	/	/	<=30	Pass
		Inner_1RB_Right	19.07	/	/	20.03	/	/	<=30	Pass
CP-OFDM QPSK	3485.01	Edge_1RB_Left	19.47	/	/	20.43	/	/	<=30	Pass
		Edge_1RB_Right	19.36	/	/	20.32	/	/	<=30	Pass
		Outer_Full	20.04	/	/	21	/	/	<=30	Pass
		Inner_Full	21.38	/	/	22.34	/	/	<=30	Pass
		Inner_1RB_Left	21.41	/	/	22.37	/	/	<=30	Pass
		Inner_1RB_Right	21.58	/	/	22.54	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.53	/	/	20.49	/	/	<=30	Pass
		Edge_1RB_Right	19.34	/	/	20.3	/	/	<=30	Pass

		Outer Full	20.08	/	/	21.04	/	/	<=30	Pass
		Inner Full	21.54	/	/	22.5	/	/	<=30	Pass
		Inner_1RB_Left	21.2	/	/	22.16	/	/	<=30	Pass
		Inner_1RB_Right	21.5	/	/	22.46	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	19.54	/	/	20.5	/	/	<=30	Pass
		Edge_1RB_Right	20.03	/	/	20.99	/	/	<=30	Pass
		Outer Full	20.2	/	/	21.16	/	/	<=30	Pass
		Inner Full	21.67	/	/	22.63	/	/	<=30	Pass
		Inner_1RB_Left	21.43	/	/	22.39	/	/	<=30	Pass
		Inner_1RB_Right	21.95	/	/	22.91	/	/	<=30	Pass
CP-OFDM 16 QAM	3485.01	Edge_1RB_Left	19.5	/	/	20.46	/	/	<=30	Pass
		Edge_1RB_Right	19.4	/	/	20.36	/	/	<=30	Pass
		Outer Full	20.08	/	/	21.04	/	/	<=30	Pass
		Inner Full	20.99	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Left	20.92	/	/	21.88	/	/	<=30	Pass
		Inner_1RB_Right	20.75	/	/	21.71	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.4	/	/	20.36	/	/	<=30	Pass
		Edge_1RB_Right	19.34	/	/	20.3	/	/	<=30	Pass
		Outer Full	20.1	/	/	21.06	/	/	<=30	Pass
		Inner Full	21.13	/	/	22.09	/	/	<=30	Pass
		Inner_1RB_Left	20.71	/	/	21.67	/	/	<=30	Pass
		Inner_1RB_Right	20.69	/	/	21.65	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	19.48	/	/	20.44	/	/	<=30	Pass
		Edge_1RB_Right	19.91	/	/	20.87	/	/	<=30	Pass
		Outer Full	20.21	/	/	21.17	/	/	<=30	Pass
		Inner Full	21.24	/	/	22.2	/	/	<=30	Pass
		Inner_1RB_Left	20.68	/	/	21.64	/	/	<=30	Pass
		Inner_1RB_Right	21.23	/	/	22.19	/	/	<=30	Pass
CP-OFDM 64 QAM	3485.01	Edge_1RB_Left	19.82	/	/	20.78	/	/	<=30	Pass
		Edge_1RB_Right	19.78	/	/	20.74	/	/	<=30	Pass
		Outer Full	19.6	/	/	20.56	/	/	<=30	Pass
		Inner Full	19.57	/	/	20.53	/	/	<=30	Pass
		Inner_1RB_Left	19.94	/	/	20.9	/	/	<=30	Pass
		Inner_1RB_Right	19.83	/	/	20.79	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.62	/	/	20.58	/	/	<=30	Pass
		Edge_1RB_Right	19.73	/	/	20.69	/	/	<=30	Pass
		Outer Full	19.61	/	/	20.57	/	/	<=30	Pass
		Inner Full	19.66	/	/	20.62	/	/	<=30	Pass
		Inner_1RB_Left	19.77	/	/	20.73	/	/	<=30	Pass
		Inner_1RB_Right	19.82	/	/	20.78	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	19.77	/	/	20.73	/	/	<=30	Pass
		Edge_1RB_Right	20.26	/	/	21.22	/	/	<=30	Pass
		Outer Full	19.75	/	/	20.71	/	/	<=30	Pass
		Inner Full	19.78	/	/	20.74	/	/	<=30	Pass
		Inner_1RB_Left	19.84	/	/	20.8	/	/	<=30	Pass
		Inner_1RB_Right	20.31	/	/	21.27	/	/	<=30	Pass
CP-OFDM 256 QAM	3485.01	Edge_1RB_Left	16.91	/	/	17.87	/	/	<=30	Pass
		Edge_1RB_Right	16.72	/	/	17.68	/	/	<=30	Pass
		Outer Full	16.74	/	/	17.7	/	/	<=30	Pass
		Inner Full	16.64	/	/	17.6	/	/	<=30	Pass
		Inner_1RB_Left	16.96	/	/	17.92	/	/	<=30	Pass
		Inner_1RB_Right	16.79	/	/	17.75	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	16.71	/	/	17.67	/	/	<=30	Pass
		Edge_1RB_Right	16.72	/	/	17.68	/	/	<=30	Pass
		Outer Full	16.7	/	/	17.66	/	/	<=30	Pass
		Inner Full	16.76	/	/	17.72	/	/	<=30	Pass
3514.98	Inner_1RB_Left	16.73	/	/	17.69	/	/	<=30	Pass	
	Inner_1RB_Right	16.77	/	/	17.73	/	/	<=30	Pass	

		Edge 1RB Right	17.22	/	/	18.18	/	/	<=30	Pass
		Outer Full	16.77	/	/	17.73	/	/	<=30	Pass
		Inner Full	16.84	/	/	17.8	/	/	<=30	Pass
		Inner 1RB Left	16.84	/	/	17.8	/	/	<=30	Pass
		Inner 1RB Right	17.25	/	/	18.21	/	/	<=30	Pass
Note1: Antenna Gain: Ant11: 0.96dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.10 30k_SISO_80MHz_NTNV_EIRP

5G NR n78e SCS=30kHz SISO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3490.02	Edge 1RB Left	19.87	/	/	20.83	/	/	<=30	Pass
		Edge 1RB Right	19.57	/	/	20.53	/	/	<=30	Pass
		Outer Full	22.67	/	/	23.63	/	/	<=30	Pass
		Inner Full	23.09	/	/	24.05	/	/	<=30	Pass
		Inner 1RB Left	23.1	/	/	24.06	/	/	<=30	Pass
		Inner 1RB Right	23.02	/	/	23.98	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.6	/	/	20.56	/	/	<=30	Pass
		Edge 1RB Right	19.7	/	/	20.66	/	/	<=30	Pass
		Outer Full	22.59	/	/	23.55	/	/	<=30	Pass
		Inner Full	23.11	/	/	24.07	/	/	<=30	Pass
		Inner 1RB Left	22.89	/	/	23.85	/	/	<=30	Pass
		Inner 1RB Right	23.1	/	/	24.06	/	/	<=30	Pass
	3510	Edge 1RB Left	19.63	/	/	20.59	/	/	<=30	Pass
		Edge 1RB Right	19.96	/	/	20.92	/	/	<=30	Pass
		Outer Full	22.61	/	/	23.57	/	/	<=30	Pass
		Inner Full	23.11	/	/	24.07	/	/	<=30	Pass
		Inner 1RB Left	22.87	/	/	23.83	/	/	<=30	Pass
		Inner 1RB Right	23.39	/	/	24.35	/	/	<=30	Pass
DFT-s-OFDM QPSK	3490.02	Edge 1RB Left	19.73	/	/	20.69	/	/	<=30	Pass
		Edge 1RB Right	19.55	/	/	20.51	/	/	<=30	Pass
		Outer Full	22.13	/	/	23.09	/	/	<=30	Pass
		Inner Full	23.12	/	/	24.08	/	/	<=30	Pass
		Inner 1RB Left	23.05	/	/	24.01	/	/	<=30	Pass
		Inner 1RB Right	23.02	/	/	23.98	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.53	/	/	20.49	/	/	<=30	Pass
		Edge 1RB Right	19.69	/	/	20.65	/	/	<=30	Pass
		Outer Full	22.01	/	/	22.97	/	/	<=30	Pass
		Inner Full	23.09	/	/	24.05	/	/	<=30	Pass
		Inner 1RB Left	22.83	/	/	23.79	/	/	<=30	Pass
		Inner 1RB Right	23.08	/	/	24.04	/	/	<=30	Pass
	3510	Edge 1RB Left	19.54	/	/	20.5	/	/	<=30	Pass
		Edge 1RB Right	19.92	/	/	20.88	/	/	<=30	Pass
		Outer Full	22.06	/	/	23.02	/	/	<=30	Pass
		Inner Full	23.14	/	/	24.1	/	/	<=30	Pass
		Inner 1RB Left	22.81	/	/	23.77	/	/	<=30	Pass
		Inner 1RB Right	23.35	/	/	24.31	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3490.02	Edge 1RB Left	19.62	/	/	20.58	/	/	<=30	Pass
		Edge 1RB Right	19.35	/	/	20.31	/	/	<=30	Pass
		Outer Full	21.13	/	/	22.09	/	/	<=30	Pass
		Inner Full	22.11	/	/	23.07	/	/	<=30	Pass
		Inner 1RB Left	21.92	/	/	22.88	/	/	<=30	Pass
		Inner 1RB Right	21.85	/	/	22.81	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.37	/	/	20.33	/	/	<=30	Pass
		Edge 1RB Right	19.53	/	/	20.49	/	/	<=30	Pass
		Outer Full	21.08	/	/	22.04	/	/	<=30	Pass

		Inner_Full	22.15	/	/	23.11	/	/	<=30	Pass
		Inner_1RB_Left	21.77	/	/	22.73	/	/	<=30	Pass
		Inner_1RB_Right	21.83	/	/	22.79	/	/	<=30	Pass
	3510	Edge_1RB_Left	19.39	/	/	20.35	/	/	<=30	Pass
		Edge_1RB_Right	19.8	/	/	20.76	/	/	<=30	Pass
		Outer_Full	21.07	/	/	22.03	/	/	<=30	Pass
		Inner_Full	22.16	/	/	23.12	/	/	<=30	Pass
		Inner_1RB_Left	21.74	/	/	22.7	/	/	<=30	Pass
		Inner_1RB_Right	22.2	/	/	23.16	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3490.02	Edge_1RB_Left	20.07	/	/	21.03	/	/	<=30	Pass
		Edge_1RB_Right	19.8	/	/	20.76	/	/	<=30	Pass
		Outer_Full	20.69	/	/	21.65	/	/	<=30	Pass
		Inner_Full	20.71	/	/	21.67	/	/	<=30	Pass
		Inner_1RB_Left	20.91	/	/	21.87	/	/	<=30	Pass
		Inner_1RB_Right	20.78	/	/	21.74	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.85	/	/	20.81	/	/	<=30	Pass
		Edge_1RB_Right	20.06	/	/	21.02	/	/	<=30	Pass
		Outer_Full	20.62	/	/	21.58	/	/	<=30	Pass
		Inner_Full	20.69	/	/	21.65	/	/	<=30	Pass
		Inner_1RB_Left	20.7	/	/	21.66	/	/	<=30	Pass
		Inner_1RB_Right	20.94	/	/	21.9	/	/	<=30	Pass
	3510	Edge_1RB_Left	19.88	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	20.26	/	/	21.22	/	/	<=30	Pass
		Outer_Full	20.62	/	/	21.58	/	/	<=30	Pass
		Inner_Full	20.67	/	/	21.63	/	/	<=30	Pass
		Inner_1RB_Left	20.72	/	/	21.68	/	/	<=30	Pass
		Inner_1RB_Right	21.21	/	/	22.17	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3490.02	Edge_1RB_Left	18.87	/	/	19.83	/	/	<=30	Pass
		Edge_1RB_Right	18.63	/	/	19.59	/	/	<=30	Pass
		Outer_Full	18.77	/	/	19.73	/	/	<=30	Pass
		Inner_Full	18.77	/	/	19.73	/	/	<=30	Pass
		Inner_1RB_Left	18.85	/	/	19.81	/	/	<=30	Pass
		Inner_1RB_Right	18.62	/	/	19.58	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.64	/	/	19.6	/	/	<=30	Pass
		Edge_1RB_Right	18.72	/	/	19.68	/	/	<=30	Pass
		Outer_Full	18.67	/	/	19.63	/	/	<=30	Pass
		Inner_Full	18.75	/	/	19.71	/	/	<=30	Pass
		Inner_1RB_Left	18.64	/	/	19.6	/	/	<=30	Pass
		Inner_1RB_Right	18.71	/	/	19.67	/	/	<=30	Pass
	3510	Edge_1RB_Left	18.61	/	/	19.57	/	/	<=30	Pass
		Edge_1RB_Right	18.99	/	/	19.95	/	/	<=30	Pass
		Outer_Full	18.68	/	/	19.64	/	/	<=30	Pass
		Inner_Full	18.73	/	/	19.69	/	/	<=30	Pass
		Inner_1RB_Left	18.62	/	/	19.58	/	/	<=30	Pass
		Inner_1RB_Right	19.03	/	/	19.99	/	/	<=30	Pass
CP-OFDM QPSK	3490.02	Edge_1RB_Left	19.6	/	/	20.56	/	/	<=30	Pass
		Edge_1RB_Right	19.35	/	/	20.31	/	/	<=30	Pass
		Outer_Full	20.15	/	/	21.11	/	/	<=30	Pass
		Inner_Full	21.56	/	/	22.52	/	/	<=30	Pass
		Inner_1RB_Left	21.69	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Right	21.52	/	/	22.48	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.38	/	/	20.34	/	/	<=30	Pass
		Edge_1RB_Right	19.6	/	/	20.56	/	/	<=30	Pass
		Outer_Full	20.07	/	/	21.03	/	/	<=30	Pass
		Inner_Full	21.58	/	/	22.54	/	/	<=30	Pass
		Inner_1RB_Left	21.75	/	/	22.71	/	/	<=30	Pass
		Inner_1RB_Right	21.55	/	/	22.51	/	/	<=30	Pass
	3510	Edge_1RB_Left	19.33	/	/	20.29	/	/	<=30	Pass
		Edge_1RB_Right	19.9	/	/	20.86	/	/	<=30	Pass

Note2: EIRP=Conducted Power+Antenna Gain

1.1.11 30k_SISO_90MHz_NTNV_EIRP

5G NR n78e SCS=30kHz SISO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3495	Edge_1RB_Left	19.73	/	/	20.69	/	/	<=30	Pass
		Edge_1RB_Right	19.57	/	/	20.53	/	/	<=30	Pass
		Outer_Full	22.5	/	/	23.46	/	/	<=30	Pass
		Inner_Full	22.99	/	/	23.95	/	/	<=30	Pass
		Inner_1RB_Left	23.02	/	/	23.98	/	/	<=30	Pass
		Inner_1RB_Right	23.05	/	/	24.01	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.57	/	/	20.53	/	/	<=30	Pass
		Edge_1RB_Right	19.75	/	/	20.71	/	/	<=30	Pass
		Outer_Full	22.56	/	/	23.52	/	/	<=30	Pass
		Inner_Full	23.12	/	/	24.08	/	/	<=30	Pass
		Inner_1RB_Left	22.87	/	/	23.83	/	/	<=30	Pass
		Inner_1RB_Right	23.19	/	/	24.15	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	19.5	/	/	20.46	/	/	<=30	Pass
		Edge_1RB_Right	19.95	/	/	20.91	/	/	<=30	Pass
		Outer_Full	22.59	/	/	23.55	/	/	<=30	Pass
		Inner_Full	23.13	/	/	24.09	/	/	<=30	Pass
		Inner_1RB_Left	22.8	/	/	23.76	/	/	<=30	Pass
		Inner_1RB_Right	23.4	/	/	24.36	/	/	<=30	Pass
DFT-s-OFDM QPSK	3495	Edge_1RB_Left	19.7	/	/	20.66	/	/	<=30	Pass
		Edge_1RB_Right	19.57	/	/	20.53	/	/	<=30	Pass
		Outer_Full	21.97	/	/	22.93	/	/	<=30	Pass
		Inner_Full	23.02	/	/	23.98	/	/	<=30	Pass
		Inner_1RB_Left	23.01	/	/	23.97	/	/	<=30	Pass
		Inner_1RB_Right	23.04	/	/	24	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.61	/	/	20.57	/	/	<=30	Pass
		Edge_1RB_Right	19.81	/	/	20.77	/	/	<=30	Pass
		Outer_Full	21.98	/	/	22.94	/	/	<=30	Pass
		Inner_Full	23	/	/	23.96	/	/	<=30	Pass
		Inner_1RB_Left	22.82	/	/	23.78	/	/	<=30	Pass
		Inner_1RB_Right	23.19	/	/	24.15	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	19.46	/	/	20.42	/	/	<=30	Pass
		Edge_1RB_Right	19.9	/	/	20.86	/	/	<=30	Pass
		Outer_Full	22.06	/	/	23.02	/	/	<=30	Pass
		Inner_Full	23.1	/	/	24.06	/	/	<=30	Pass
		Inner_1RB_Left	22.74	/	/	23.7	/	/	<=30	Pass
		Inner_1RB_Right	23.37	/	/	24.33	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3495	Edge_1RB_Left	19.58	/	/	20.54	/	/	<=30	Pass
		Edge_1RB_Right	19.5	/	/	20.46	/	/	<=30	Pass
		Outer_Full	21.04	/	/	22	/	/	<=30	Pass
		Inner_Full	22.04	/	/	23	/	/	<=30	Pass
		Inner_1RB_Left	22.11	/	/	23.07	/	/	<=30	Pass
		Inner_1RB_Right	22	/	/	22.96	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.36	/	/	20.32	/	/	<=30	Pass
		Edge_1RB_Right	19.66	/	/	20.62	/	/	<=30	Pass
		Outer_Full	21.05	/	/	22.01	/	/	<=30	Pass
		Inner_Full	22.05	/	/	23.01	/	/	<=30	Pass
	3504.99	Inner_1RB_Left	21.79	/	/	22.75	/	/	<=30	Pass
		Inner_1RB_Right	22.13	/	/	23.09	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	19.4	/	/	20.36	/	/	<=30	Pass
		Edge_1RB_Right	19.79	/	/	20.75	/	/	<=30	Pass

		Outer_Full	21.1	/	/	22.06	/	/	<=30	Pass
		Inner_Full	22.12	/	/	23.08	/	/	<=30	Pass
		Inner_1RB_Left	21.76	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Right	22.4	/	/	23.36	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3495	Edge_1RB_Left	20.05	/	/	21.01	/	/	<=30	Pass
		Edge_1RB_Right	19.93	/	/	20.89	/	/	<=30	Pass
		Outer_Full	20.58	/	/	21.54	/	/	<=30	Pass
		Inner_Full	20.61	/	/	21.57	/	/	<=30	Pass
		Inner_1RB_Left	20.95	/	/	21.91	/	/	<=30	Pass
		Inner_1RB_Right	20.86	/	/	21.82	/	/	<=30	Pass
		Edge_1RB_Left	19.87	/	/	20.83	/	/	<=30	Pass
		Edge_1RB_Right	20.09	/	/	21.05	/	/	<=30	Pass
	3500.01	Outer_Full	20.59	/	/	21.55	/	/	<=30	Pass
		Inner_Full	20.66	/	/	21.62	/	/	<=30	Pass
		Inner_1RB_Left	20.75	/	/	21.71	/	/	<=30	Pass
		Inner_1RB_Right	21.07	/	/	22.03	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	19.78	/	/	20.74	/	/	<=30	Pass
		Edge_1RB_Right	20.25	/	/	21.21	/	/	<=30	Pass
		Outer_Full	20.64	/	/	21.6	/	/	<=30	Pass
		Inner_Full	20.72	/	/	21.68	/	/	<=30	Pass
		Inner_1RB_Left	20.75	/	/	21.71	/	/	<=30	Pass
		Inner_1RB_Right	21.24	/	/	22.2	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3495	Edge_1RB_Left	18.75	/	/	19.71	/	/	<=30	Pass
		Edge_1RB_Right	18.65	/	/	19.61	/	/	<=30	Pass
		Outer_Full	18.62	/	/	19.58	/	/	<=30	Pass
		Inner_Full	18.68	/	/	19.64	/	/	<=30	Pass
		Inner_1RB_Left	18.77	/	/	19.73	/	/	<=30	Pass
		Inner_1RB_Right	18.6	/	/	19.56	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.61	/	/	19.57	/	/	<=30	Pass
		Edge_1RB_Right	18.81	/	/	19.77	/	/	<=30	Pass
		Outer_Full	18.64	/	/	19.6	/	/	<=30	Pass
		Inner_Full	18.71	/	/	19.67	/	/	<=30	Pass
		Inner_1RB_Left	18.6	/	/	19.56	/	/	<=30	Pass
		Inner_1RB_Right	18.82	/	/	19.78	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	18.56	/	/	19.52	/	/	<=30	Pass
		Edge_1RB_Right	19.03	/	/	19.99	/	/	<=30	Pass
		Outer_Full	18.69	/	/	19.65	/	/	<=30	Pass
		Inner_Full	18.82	/	/	19.78	/	/	<=30	Pass
		Inner_1RB_Left	18.55	/	/	19.51	/	/	<=30	Pass
		Inner_1RB_Right	19	/	/	19.96	/	/	<=30	Pass
CP-OFDM QPSK	3495	Edge_1RB_Left	19.57	/	/	20.53	/	/	<=30	Pass
		Edge_1RB_Right	19.46	/	/	20.42	/	/	<=30	Pass
		Outer_Full	20	/	/	20.96	/	/	<=30	Pass
		Inner_Full	21.5	/	/	22.46	/	/	<=30	Pass
		Inner_1RB_Left	21.5	/	/	22.46	/	/	<=30	Pass
		Inner_1RB_Right	21.39	/	/	22.35	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.43	/	/	20.39	/	/	<=30	Pass
		Edge_1RB_Right	19.7	/	/	20.66	/	/	<=30	Pass
		Outer_Full	20.06	/	/	21.02	/	/	<=30	Pass
		Inner_Full	21.53	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Left	21.57	/	/	22.53	/	/	<=30	Pass
		Inner_1RB_Right	21.64	/	/	22.6	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	19.53	/	/	20.49	/	/	<=30	Pass
		Edge_1RB_Right	20.01	/	/	20.97	/	/	<=30	Pass
		Outer_Full	20.08	/	/	21.04	/	/	<=30	Pass
		Inner_Full	21.53	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Left	21.51	/	/	22.47	/	/	<=30	Pass
		Inner_1RB_Right	21.84	/	/	22.8	/	/	<=30	Pass
CP-OFDM 16 QAM	3495	Edge_1RB_Left	19.59	/	/	20.55	/	/	<=30	Pass

		Edge 1RB Right	19.6	/	/	20.56	/	/	<=30	Pass
		Outer Full	20.05	/	/	21.01	/	/	<=30	Pass
		Inner Full	21.07	/	/	22.03	/	/	<=30	Pass
		Inner 1RB Left	21	/	/	21.96	/	/	<=30	Pass
		Inner 1RB Right	20.93	/	/	21.89	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.35	/	/	20.31	/	/	<=30	Pass
		Edge 1RB Right	19.52	/	/	20.48	/	/	<=30	Pass
		Outer Full	20.01	/	/	20.97	/	/	<=30	Pass
		Inner Full	21.07	/	/	22.03	/	/	<=30	Pass
		Inner 1RB Left	20.79	/	/	21.75	/	/	<=30	Pass
	3504.99	Inner 1RB Right	21.16	/	/	22.12	/	/	<=30	Pass
		Edge 1RB Left	19.27	/	/	20.23	/	/	<=30	Pass
		Edge 1RB Right	19.8	/	/	20.76	/	/	<=30	Pass
		Outer Full	20.1	/	/	21.06	/	/	<=30	Pass
		Inner Full	21.15	/	/	22.11	/	/	<=30	Pass
CP-OFDM 64 QAM	3495	Inner 1RB Left	20.74	/	/	21.7	/	/	<=30	Pass
		Inner 1RB Right	21.21	/	/	22.17	/	/	<=30	Pass
		Edge 1RB Left	19.93	/	/	20.89	/	/	<=30	Pass
		Edge 1RB Right	19.86	/	/	20.82	/	/	<=30	Pass
		Outer Full	19.54	/	/	20.5	/	/	<=30	Pass
	3500.01	Inner Full	19.55	/	/	20.51	/	/	<=30	Pass
		Inner 1RB Left	19.92	/	/	20.88	/	/	<=30	Pass
		Inner 1RB Right	19.84	/	/	20.8	/	/	<=30	Pass
		Edge 1RB Left	19.7	/	/	20.66	/	/	<=30	Pass
		Edge 1RB Right	20.04	/	/	21	/	/	<=30	Pass
	3504.99	Outer Full	19.58	/	/	20.54	/	/	<=30	Pass
		Inner Full	19.6	/	/	20.56	/	/	<=30	Pass
		Inner 1RB Left	19.76	/	/	20.72	/	/	<=30	Pass
		Inner 1RB Right	19.99	/	/	20.95	/	/	<=30	Pass
		Edge 1RB Left	19.75	/	/	20.71	/	/	<=30	Pass
CP-OFDM 256 QAM	3495	Edge 1RB Right	20.21	/	/	21.17	/	/	<=30	Pass
		Outer Full	19.63	/	/	20.59	/	/	<=30	Pass
		Inner Full	19.64	/	/	20.6	/	/	<=30	Pass
		Inner 1RB Left	19.75	/	/	20.71	/	/	<=30	Pass
		Inner 1RB Right	20.3	/	/	21.26	/	/	<=30	Pass
	3500.01	Edge 1RB Left	16.92	/	/	17.88	/	/	<=30	Pass
		Edge 1RB Right	16.79	/	/	17.75	/	/	<=30	Pass
		Outer Full	16.66	/	/	17.62	/	/	<=30	Pass
		Inner Full	16.7	/	/	17.66	/	/	<=30	Pass
		Inner 1RB Left	16.94	/	/	17.9	/	/	<=30	Pass
	3504.99	Inner 1RB Right	16.74	/	/	17.7	/	/	<=30	Pass
		Edge 1RB Left	16.85	/	/	17.81	/	/	<=30	Pass
		Edge 1RB Right	16.99	/	/	17.95	/	/	<=30	Pass
		Outer Full	16.65	/	/	17.61	/	/	<=30	Pass
		Inner Full	16.75	/	/	17.71	/	/	<=30	Pass
	3500.01	Inner 1RB Left	16.78	/	/	17.74	/	/	<=30	Pass
		Inner 1RB Right	16.96	/	/	17.92	/	/	<=30	Pass
		Edge 1RB Left	16.72	/	/	17.68	/	/	<=30	Pass
		Edge 1RB Right	17.22	/	/	18.18	/	/	<=30	Pass
		Outer Full	16.7	/	/	17.66	/	/	<=30	Pass
	3504.99	Inner Full	16.77	/	/	17.73	/	/	<=30	Pass
		Inner 1RB Left	16.75	/	/	17.71	/	/	<=30	Pass
	3500.01	Inner 1RB Right	17.15	/	/	18.11	/	/	<=30	Pass
		Edge 1RB Left	16.92	/	/	17.88	/	/	<=30	Pass
		Edge 1RB Right	16.79	/	/	17.75	/	/	<=30	Pass
		Outer Full	16.66	/	/	17.62	/	/	<=30	Pass
		Inner Full	16.7	/	/	17.66	/	/	<=30	Pass
	3504.99	Inner 1RB Left	16.94	/	/	17.9	/	/	<=30	Pass
		Inner 1RB Right	16.74	/	/	17.7	/	/	<=30	Pass
Note1: Antenna Gain: Ant11: 0.96dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.12 30k_SISO_100MHz_NTNV_EIRP

5G NR n78e SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Edge 1RB Left	19.7	/	/	20.66	/	/	<=30	Pass
		Edge 1RB Right	19.96	/	/	20.92	/	/	<=30	Pass
		Outer Full	22.54	/	/	23.5	/	/	<=30	Pass
		Inner Full	22.99	/	/	23.95	/	/	<=30	Pass
		Inner 1RB Left	22.95	/	/	23.91	/	/	<=30	Pass
		Inner 1RB Right	23.33	/	/	24.29	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.69	/	/	20.65	/	/	<=30	Pass
		Edge 1RB Right	20.02	/	/	20.98	/	/	<=30	Pass
		Outer Full	22.54	/	/	23.5	/	/	<=30	Pass
		Inner Full	23.04	/	/	24	/	/	<=30	Pass
		Inner 1RB Left	23.02	/	/	23.98	/	/	<=30	Pass
		Inner 1RB Right	23.42	/	/	24.38	/	/	<=30	Pass
	3499.98	Edge 1RB Left	19.77	/	/	20.73	/	/	<=30	Pass
		Edge 1RB Right	20	/	/	20.96	/	/	<=30	Pass
		Outer Full	22.6	/	/	23.56	/	/	<=30	Pass
		Inner Full	23.07	/	/	24.03	/	/	<=30	Pass
		Inner 1RB Left	22.98	/	/	23.94	/	/	<=30	Pass
		Inner 1RB Right	23.37	/	/	24.33	/	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Edge 1RB Left	19.68	/	/	20.64	/	/	<=30	Pass
		Edge 1RB Right	19.92	/	/	20.88	/	/	<=30	Pass
		Outer Full	22	/	/	22.96	/	/	<=30	Pass
		Inner Full	22.98	/	/	23.94	/	/	<=30	Pass
		Inner 1RB Left	22.95	/	/	23.91	/	/	<=30	Pass
		Inner 1RB Right	23.33	/	/	24.29	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.7	/	/	20.66	/	/	<=30	Pass
		Edge 1RB Right	19.94	/	/	20.9	/	/	<=30	Pass
		Outer Full	22.02	/	/	22.98	/	/	<=30	Pass
		Inner Full	23.08	/	/	24.04	/	/	<=30	Pass
		Inner 1RB Left	22.98	/	/	23.94	/	/	<=30	Pass
		Inner 1RB Right	23.34	/	/	24.3	/	/	<=30	Pass
	3499.98	Edge 1RB Left	19.59	/	/	20.55	/	/	<=30	Pass
		Edge 1RB Right	19.97	/	/	20.93	/	/	<=30	Pass
		Outer Full	22.08	/	/	23.04	/	/	<=30	Pass
		Inner Full	23.11	/	/	24.07	/	/	<=30	Pass
		Inner 1RB Left	22.99	/	/	23.95	/	/	<=30	Pass
		Inner 1RB Right	23.32	/	/	24.28	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Edge 1RB Left	19.45	/	/	20.41	/	/	<=30	Pass
		Edge 1RB Right	19.75	/	/	20.71	/	/	<=30	Pass
		Outer Full	21.04	/	/	22	/	/	<=30	Pass
		Inner Full	22.02	/	/	22.98	/	/	<=30	Pass
		Inner 1RB Left	21.74	/	/	22.7	/	/	<=30	Pass
		Inner 1RB Right	22.26	/	/	23.22	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.47	/	/	20.43	/	/	<=30	Pass
		Edge 1RB Right	19.71	/	/	20.67	/	/	<=30	Pass
		Outer Full	21.12	/	/	22.08	/	/	<=30	Pass
		Inner Full	22.09	/	/	23.05	/	/	<=30	Pass
		Inner 1RB Left	21.87	/	/	22.83	/	/	<=30	Pass
		Inner 1RB Right	22.15	/	/	23.11	/	/	<=30	Pass
	3499.98	Edge 1RB Left	19.37	/	/	20.33	/	/	<=30	Pass
		Edge 1RB Right	19.66	/	/	20.62	/	/	<=30	Pass
		Outer Full	21.1	/	/	22.06	/	/	<=30	Pass
		Inner Full	22.13	/	/	23.09	/	/	<=30	Pass
		Inner 1RB Left	21.85	/	/	22.81	/	/	<=30	Pass
		Inner 1RB Right	22.23	/	/	23.19	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Edge 1RB Left	19.9	/	/	20.86	/	/	<=30	Pass
		Edge 1RB Right	20.13	/	/	21.09	/	/	<=30	Pass

		Outer_Full	20.59	/	/	21.55	/	/	<=30	Pass
		Inner_Full	20.6	/	/	21.56	/	/	<=30	Pass
		Inner_1RB_Left	20.84	/	/	21.8	/	/	<=30	Pass
		Inner_1RB_Right	21.14	/	/	22.1	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.86	/	/	20.82	/	/	<=30	Pass
		Edge_1RB_Right	20.14	/	/	21.1	/	/	<=30	Pass
		Outer_Full	20.61	/	/	21.57	/	/	<=30	Pass
		Inner_Full	20.67	/	/	21.63	/	/	<=30	Pass
		Inner_1RB_Left	20.8	/	/	21.76	/	/	<=30	Pass
		Inner_1RB_Right	21.16	/	/	22.12	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	19.95	/	/	20.91	/	/	<=30	Pass
		Edge_1RB_Right	20.13	/	/	21.09	/	/	<=30	Pass
		Outer_Full	20.65	/	/	21.61	/	/	<=30	Pass
		Inner_Full	20.67	/	/	21.63	/	/	<=30	Pass
		Inner_1RB_Left	20.84	/	/	21.8	/	/	<=30	Pass
		Inner_1RB_Right	21.12	/	/	22.08	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3500.01	Edge_1RB_Left	18.65	/	/	19.61	/	/	<=30	Pass
		Edge_1RB_Right	18.91	/	/	19.87	/	/	<=30	Pass
		Outer_Full	18.62	/	/	19.58	/	/	<=30	Pass
		Inner_Full	18.7	/	/	19.66	/	/	<=30	Pass
		Inner_1RB_Left	18.7	/	/	19.66	/	/	<=30	Pass
		Inner_1RB_Right	18.92	/	/	19.88	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.76	/	/	19.72	/	/	<=30	Pass
		Edge_1RB_Right	18.99	/	/	19.95	/	/	<=30	Pass
		Outer_Full	18.68	/	/	19.64	/	/	<=30	Pass
		Inner_Full	18.76	/	/	19.72	/	/	<=30	Pass
		Inner_1RB_Left	18.73	/	/	19.69	/	/	<=30	Pass
		Inner_1RB_Right	18.94	/	/	19.9	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	18.69	/	/	19.65	/	/	<=30	Pass
		Edge_1RB_Right	18.94	/	/	19.9	/	/	<=30	Pass
		Outer_Full	18.7	/	/	19.66	/	/	<=30	Pass
		Inner_Full	18.73	/	/	19.69	/	/	<=30	Pass
		Inner_1RB_Left	18.71	/	/	19.67	/	/	<=30	Pass
		Inner_1RB_Right	18.96	/	/	19.92	/	/	<=30	Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	19.47	/	/	20.43	/	/	<=30	Pass
		Edge_1RB_Right	19.78	/	/	20.74	/	/	<=30	Pass
		Outer_Full	20.07	/	/	21.03	/	/	<=30	Pass
		Inner_Full	21.53	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Left	21.56	/	/	22.52	/	/	<=30	Pass
		Inner_1RB_Right	21.84	/	/	22.8	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.61	/	/	20.57	/	/	<=30	Pass
		Edge_1RB_Right	19.81	/	/	20.77	/	/	<=30	Pass
		Outer_Full	20.1	/	/	21.06	/	/	<=30	Pass
		Inner_Full	21.55	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Left	21.68	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	21.8	/	/	22.76	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	19.53	/	/	20.49	/	/	<=30	Pass
		Edge_1RB_Right	19.78	/	/	20.74	/	/	<=30	Pass
		Outer_Full	20.09	/	/	21.05	/	/	<=30	Pass
		Inner_Full	21.53	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Left	21.54	/	/	22.5	/	/	<=30	Pass
		Inner_1RB_Right	21.83	/	/	22.79	/	/	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	19.42	/	/	20.38	/	/	<=30	Pass
		Edge_1RB_Right	19.84	/	/	20.8	/	/	<=30	Pass
		Outer_Full	20.04	/	/	21	/	/	<=30	Pass
		Inner_Full	21.08	/	/	22.04	/	/	<=30	Pass
		Inner_1RB_Left	20.81	/	/	21.77	/	/	<=30	Pass
		Inner_1RB_Right	21.11	/	/	22.07	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.56	/	/	20.52	/	/	<=30	Pass

		Edge 1RB Right	19.78	/	/	20.74	/	/	<=30	Pass
		Outer Full	20.12	/	/	21.08	/	/	<=30	Pass
		Inner Full	21.11	/	/	22.07	/	/	<=30	Pass
		Inner 1RB Left	20.96	/	/	21.92	/	/	<=30	Pass
		Inner 1RB Right	21.13	/	/	22.09	/	/	<=30	Pass
	3499.98	Edge 1RB Left	19.32	/	/	20.28	/	/	<=30	Pass
		Edge 1RB Right	19.71	/	/	20.67	/	/	<=30	Pass
		Outer Full	20.1	/	/	21.06	/	/	<=30	Pass
		Inner Full	21.09	/	/	22.05	/	/	<=30	Pass
		Inner 1RB Left	20.79	/	/	21.75	/	/	<=30	Pass
CP-OFDM 64 QAM	3500.01	Inner 1RB Right	21.16	/	/	22.12	/	/	<=30	Pass
		Edge 1RB Left	19.76	/	/	20.72	/	/	<=30	Pass
		Edge 1RB Right	20.15	/	/	21.11	/	/	<=30	Pass
		Outer Full	19.62	/	/	20.58	/	/	<=30	Pass
		Inner Full	19.61	/	/	20.57	/	/	<=30	Pass
		Inner 1RB Left	19.88	/	/	20.84	/	/	<=30	Pass
	3500.01	Inner 1RB Right	20.1	/	/	21.06	/	/	<=30	Pass
		Edge 1RB Left	19.9	/	/	20.86	/	/	<=30	Pass
		Edge 1RB Right	20.15	/	/	21.11	/	/	<=30	Pass
		Outer Full	19.62	/	/	20.58	/	/	<=30	Pass
		Inner Full	19.65	/	/	20.61	/	/	<=30	Pass
		Inner 1RB Left	19.86	/	/	20.82	/	/	<=30	Pass
	3499.98	Inner 1RB Right	20.12	/	/	21.08	/	/	<=30	Pass
		Edge 1RB Left	19.76	/	/	20.72	/	/	<=30	Pass
		Edge 1RB Right	20.14	/	/	21.1	/	/	<=30	Pass
Outer Full		19.6	/	/	20.56	/	/	<=30	Pass	
Inner Full		19.63	/	/	20.59	/	/	<=30	Pass	
Inner 1RB Left		19.84	/	/	20.8	/	/	<=30	Pass	
CP-OFDM 256 QAM	3500.01	Inner 1RB Right	20.13	/	/	21.09	/	/	<=30	Pass
		Edge 1RB Left	16.83	/	/	17.79	/	/	<=30	Pass
		Edge 1RB Right	17.09	/	/	18.05	/	/	<=30	Pass
		Outer Full	16.69	/	/	17.65	/	/	<=30	Pass
		Inner Full	16.73	/	/	17.69	/	/	<=30	Pass
		Inner 1RB Left	16.89	/	/	17.85	/	/	<=30	Pass
	3500.01	Inner 1RB Right	17.14	/	/	18.1	/	/	<=30	Pass
		Edge 1RB Left	16.88	/	/	17.84	/	/	<=30	Pass
		Edge 1RB Right	17.11	/	/	18.07	/	/	<=30	Pass
		Outer Full	16.73	/	/	17.69	/	/	<=30	Pass
		Inner Full	16.75	/	/	17.71	/	/	<=30	Pass
		Inner 1RB Left	16.94	/	/	17.9	/	/	<=30	Pass
	3499.98	Inner 1RB Right	17.13	/	/	18.09	/	/	<=30	Pass
		Edge 1RB Left	16.88	/	/	17.84	/	/	<=30	Pass
		Edge 1RB Right	17.11	/	/	18.07	/	/	<=30	Pass
Outer Full		16.7	/	/	17.66	/	/	<=30	Pass	
Inner Full		16.76	/	/	17.72	/	/	<=30	Pass	
Inner 1RB Left		16.92	/	/	17.88	/	/	<=30	Pass	
	Inner 1RB Right	17.11	/	/	18.07	/	/	<=30	Pass	
	Note1: Antenna Gain: Ant11: 0.96dBi; Note2: EIRP=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 Test Result

2.1.1 30k_SISO_100MHz

5G NR n78e 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	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-11.10	-0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	-14.20	-0.0041	>=-2.5 & <=2.5	Pass
			-20	NV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-9.80	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-12.00	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_10MHz_NTNV

5G NR n78e SCS=30kHz SISO 10MHz 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	8.70	9.59	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	8.65	9.55	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	8.66	9.54	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	8.70	9.51	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	8.65	9.48	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	8.68	9.56	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	8.69	9.53	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	8.69	9.94	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	8.70	9.55	/	Pass

3.1.2 30k_SISO_15MHz_NTNV

5G NR n78e SCS=30kHz SISO 15MHz 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	13.07	14.10	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	13.03	14.20	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	13.03	14.17	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	13.06	14.27	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	13.03	14.03	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	13.74	14.94	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	13.72	14.82	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	13.80	14.89	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	13.71	14.90	/	Pass

3.1.3 30k_SISO_20MHz_NTNV

5G NR n78e 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	18.13	19.43	/	Pass

DFT-s-OFDM QPSK	3500.01	Outer_Full	18.16	19.38	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	18.09	19.37	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	18.13	19.46	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	18.05	19.41	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	18.38	19.83	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	18.46	19.83	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	18.44	19.82	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	18.38	19.82	/	Pass

3.1.4 30k_SISO_25MHz_NTNV

5G NR n78e SCS=30kHz SISO 25MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	23.27	24.76	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	23.11	24.71	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	23.09	24.80	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	23.20	24.75	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	23.07	24.67	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	23.43	25.00	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	23.44	25.04	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	23.43	25.07	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	23.43	25.04	/	Pass

3.1.5 30k_SISO_30MHz_NTNV

5G NR n78e SCS=30kHz SISO 30MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	27.20	29.12	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	27.07	29.25	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	27.11	29.13	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	27.13	29.05	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	27.11	29.13	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	28.12	30.18	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	28.15	30.16	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	28.06	30.11	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	28.13	30.26	/	Pass

3.1.6 30k_SISO_40MHz_NTNV

5G NR n78e SCS=30kHz SISO 40MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	36.20	38.67	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	36.17	38.79	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	36.08	38.74	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	36.16	38.75	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	36.01	38.71	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	38.17	40.80	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	38.24	40.79	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	38.19	40.87	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	38.17	40.84	/	Pass

3.1.7 30k_SISO_50MHz_NTNV

5G NR n78e SCS=30kHz SISO 50MHz 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	46.10	49.37	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	46.06	49.30	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	46.07	49.35	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	46.20	49.36	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	46.02	49.32	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	48.03	52.03	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	47.94	51.09	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	48.06	51.18	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	47.83	51.08	/	Pass

3.1.8 30k_SISO_60MHz_NTNV

5G NR n78e 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	58.37	62.41	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	58.39	62.43	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	58.38	62.23	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	58.35	62.38	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	58.21	62.27	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	58.19	62.34	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	58.28	62.07	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	58.45	62.40	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	58.25	62.23	/	Pass

3.1.9 30k_SISO_70MHz_NTNV

5G NR n78e SCS=30kHz SISO 70MHz 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	65.15	69.53	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	64.84	69.57	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	64.96	69.50	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	64.92	69.53	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	65.00	69.45	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	68.20	72.97	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	68.19	72.97	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	68.08	72.70	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	68.00	72.78	/	Pass

3.1.10 30k_SISO_80MHz_NTNV

5G NR n78e 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	77.57	83.00	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	77.83	82.93	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	77.86	82.80	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	77.59	82.57	/	Pass

DFT-s-OFDM 256 QAM	3500.01	Outer_Full	77.39	82.83	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	77.82	82.94	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	78.14	83.30	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	77.85	83.10	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	78.11	83.10	/	Pass

3.1.11 30k_SISO_90MHz_NTNV

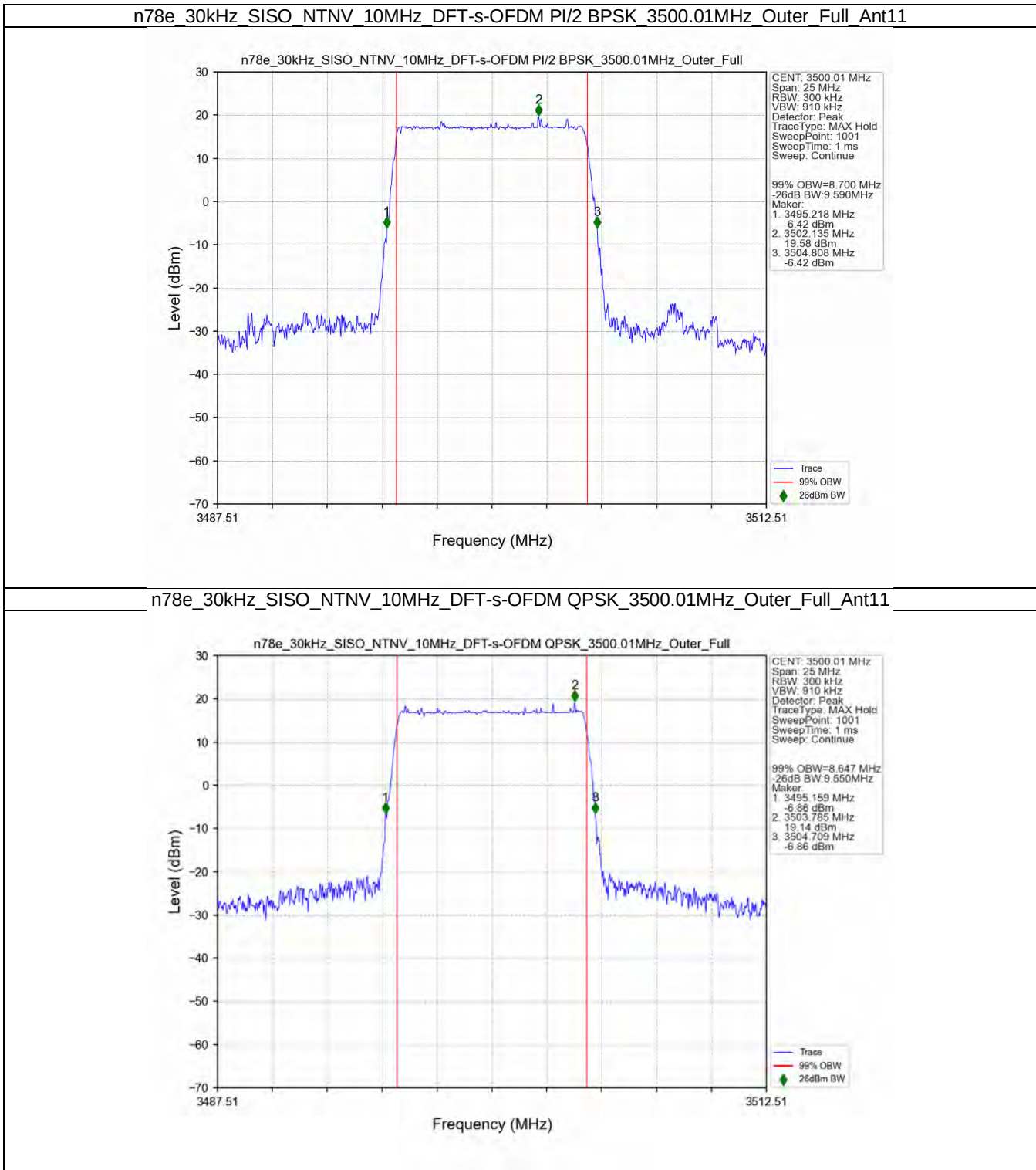
5G NR n78e SCS=30kHz SISO 90MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	87.37	92.92	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	86.97	92.70	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	87.42	93.22	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	87.14	92.81	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	87.10	92.83	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	88.30	93.63	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	87.87	93.59	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	88.06	93.69	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	87.69	93.31	/	Pass

3.1.12 30k_SISO_100MHz_NTNV

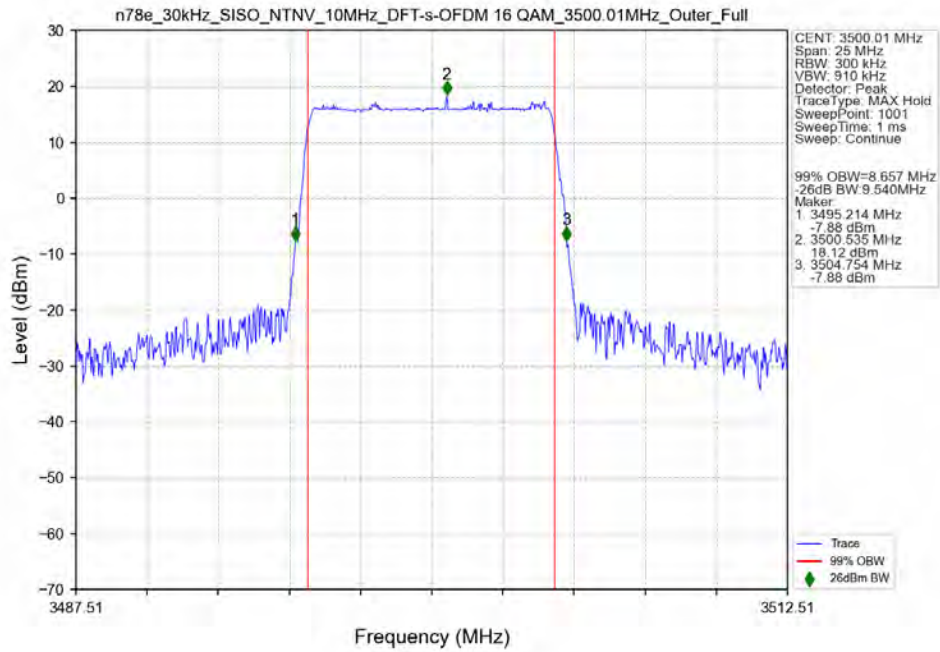
5G NR n78e SCS=30kHz SISO 100MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	96.75	103.34	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	97.04	103.69	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	97.06	103.11	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	96.68	103.09	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	96.86	103.27	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	98.27	104.85	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	98.33	104.50	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	98.02	104.32	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	98.52	104.56	/	Pass

3.2 Test Graph

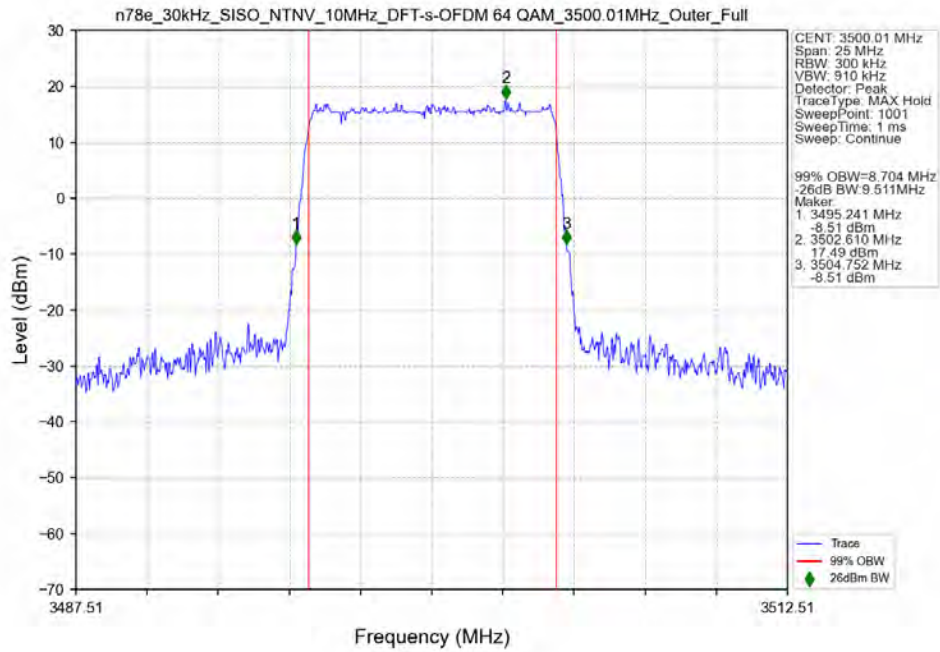
3.2.1 30k_SISO_10MHz_NTNV



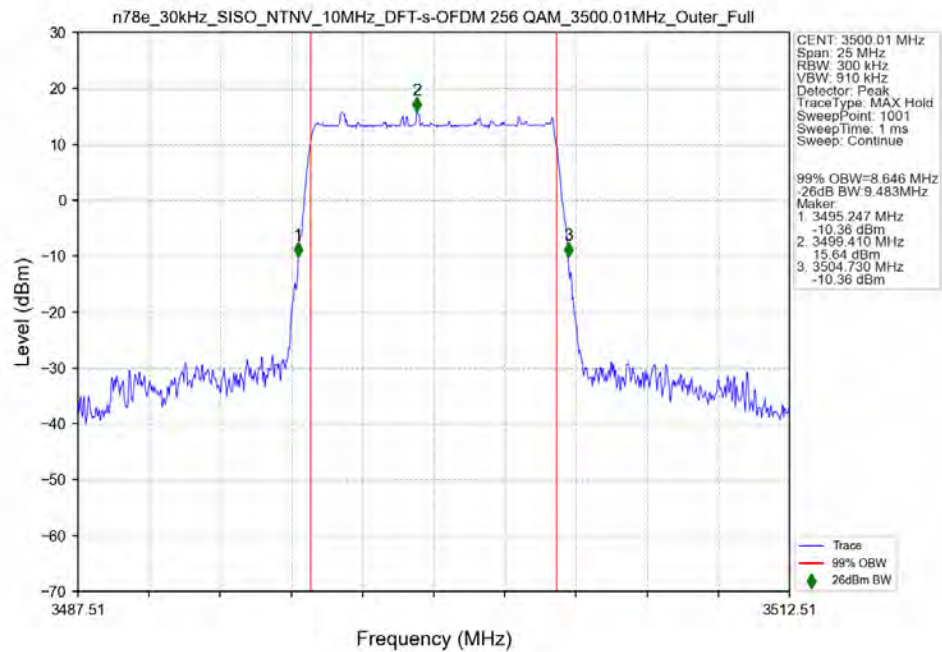
n78e 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant11



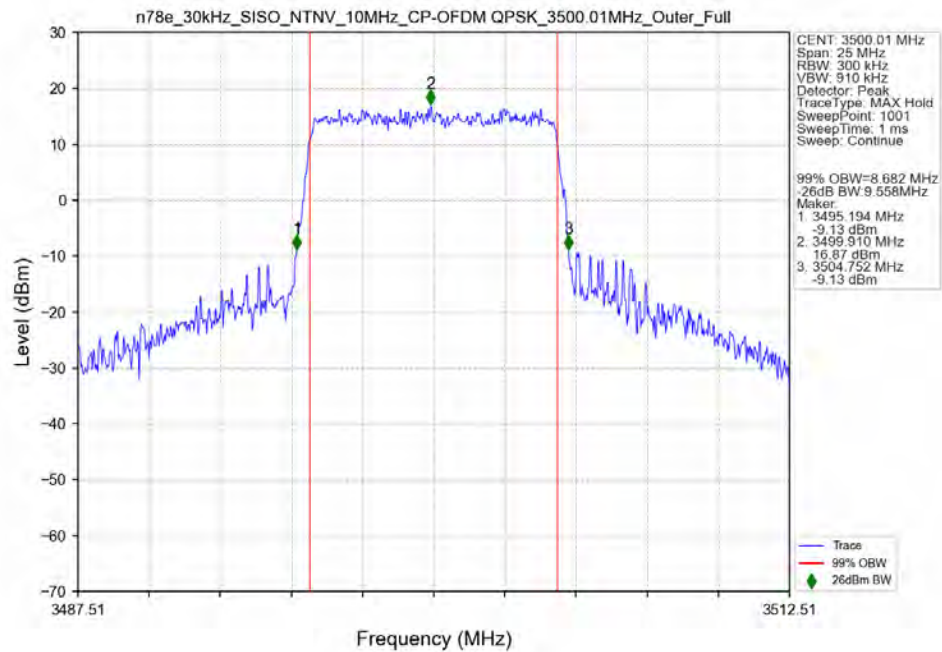
n78e 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full Ant11



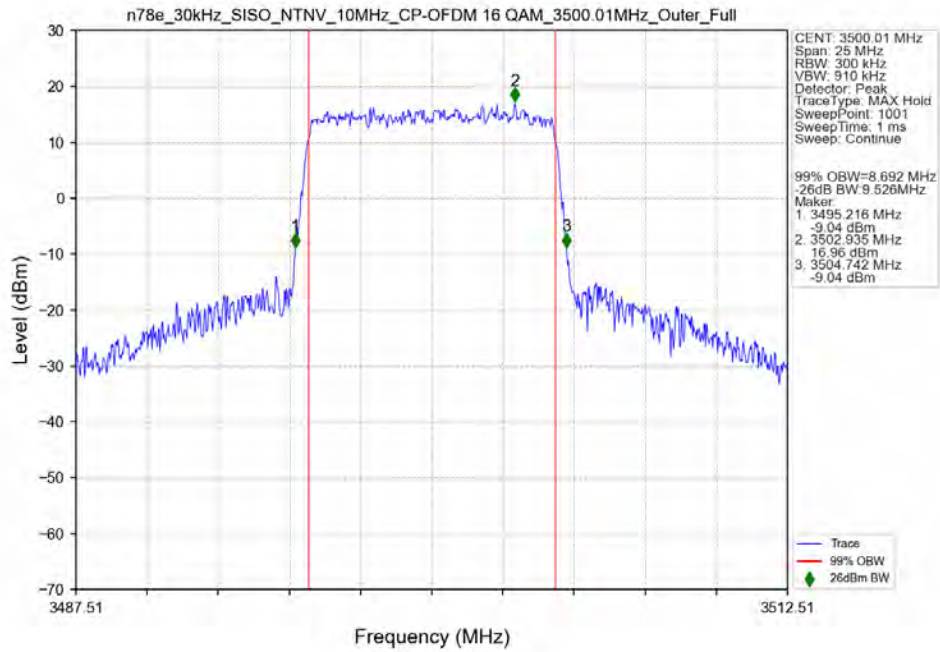
n78e 30kHz SISO NTV 10MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant11



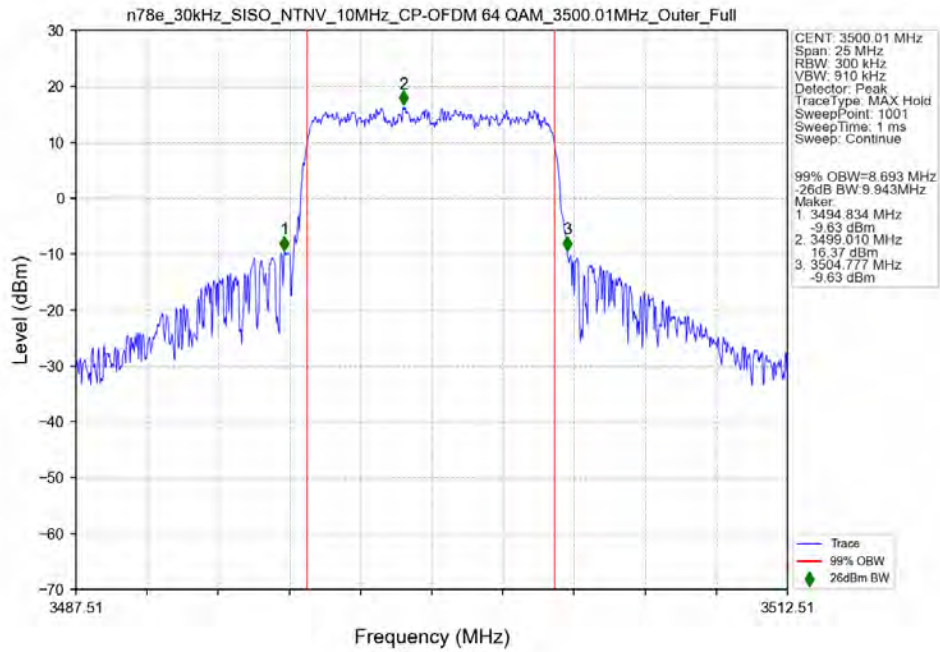
n78e 30kHz SISO NTV 10MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant11



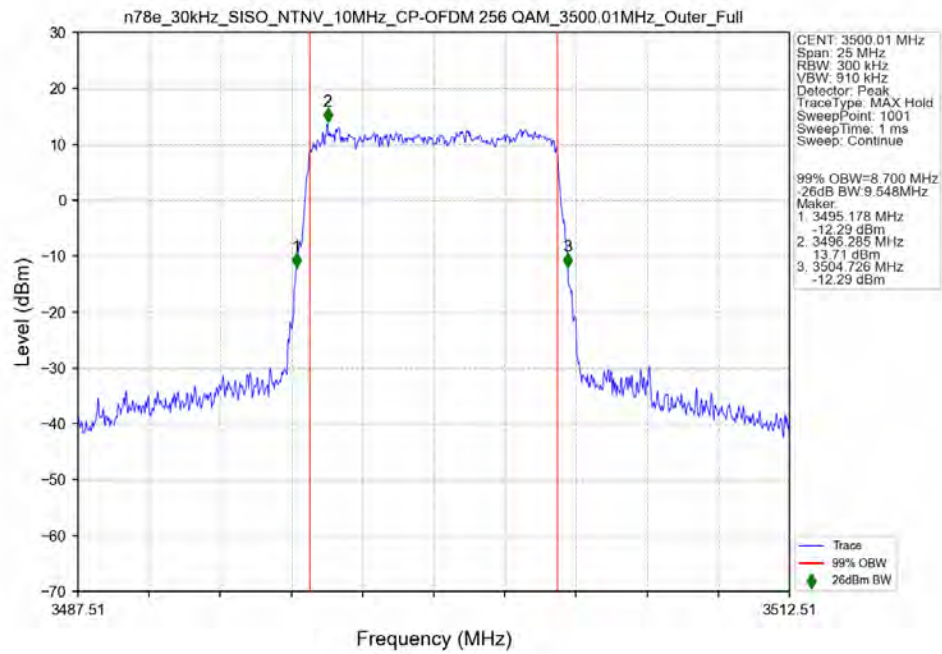
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 3500.01MHz Outer_Full_Ant11



n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 3500.01MHz Outer_Full_Ant11



n78e 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



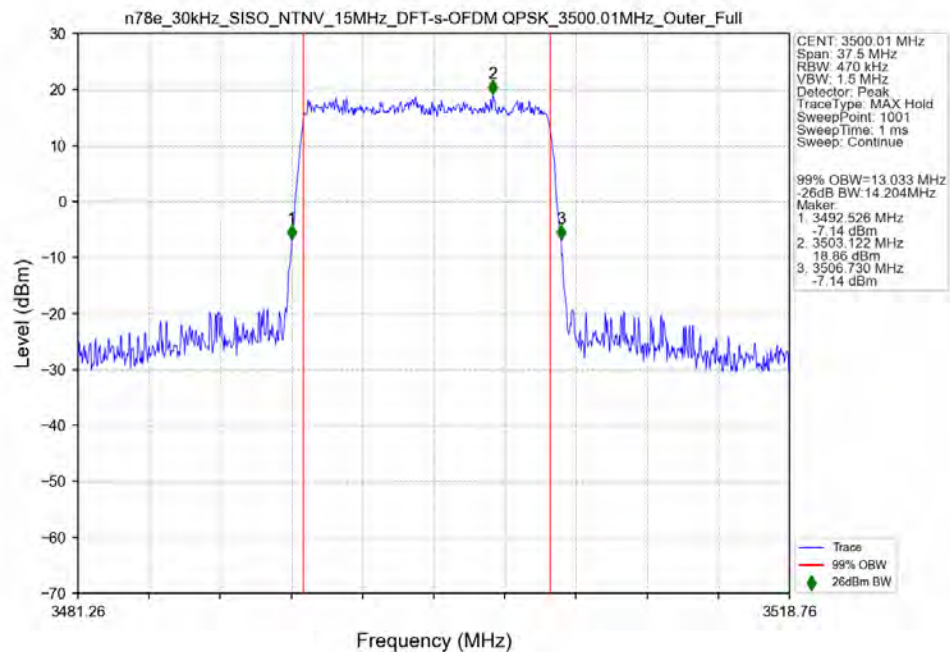
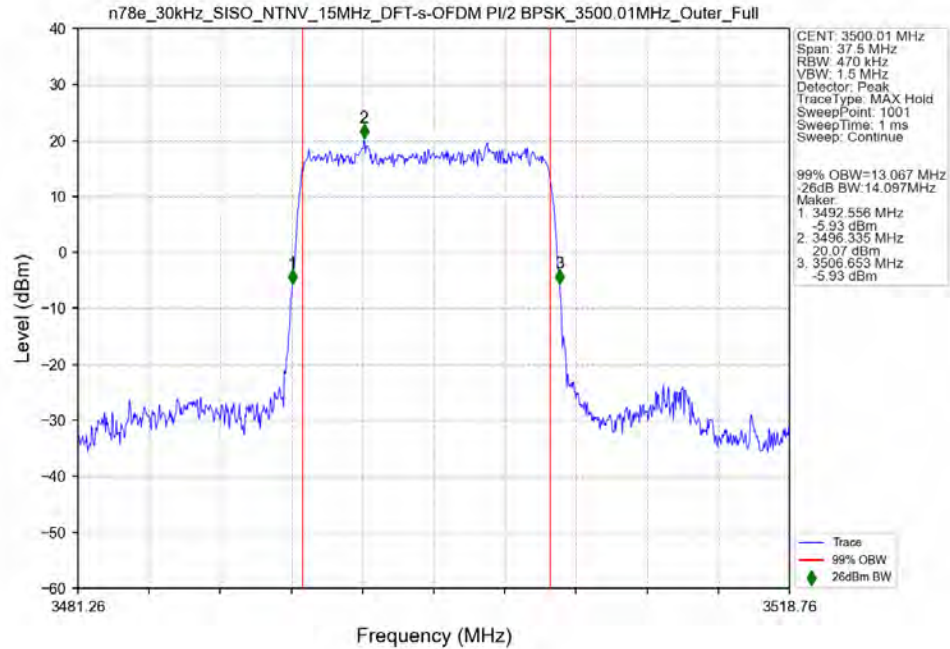
The figure consists of two spectral plots, one for BPSK and one for QPSK modulation schemes. Both plots show the power spectrum of a signal centered at 3500.01 MHz with a 15 MHz bandwidth. The x-axis represents Frequency (MHz) from 3481.26 to 3518.76, and the y-axis represents Level (dBm) from -60 to 40.

Top Plot: BPSK Modulation

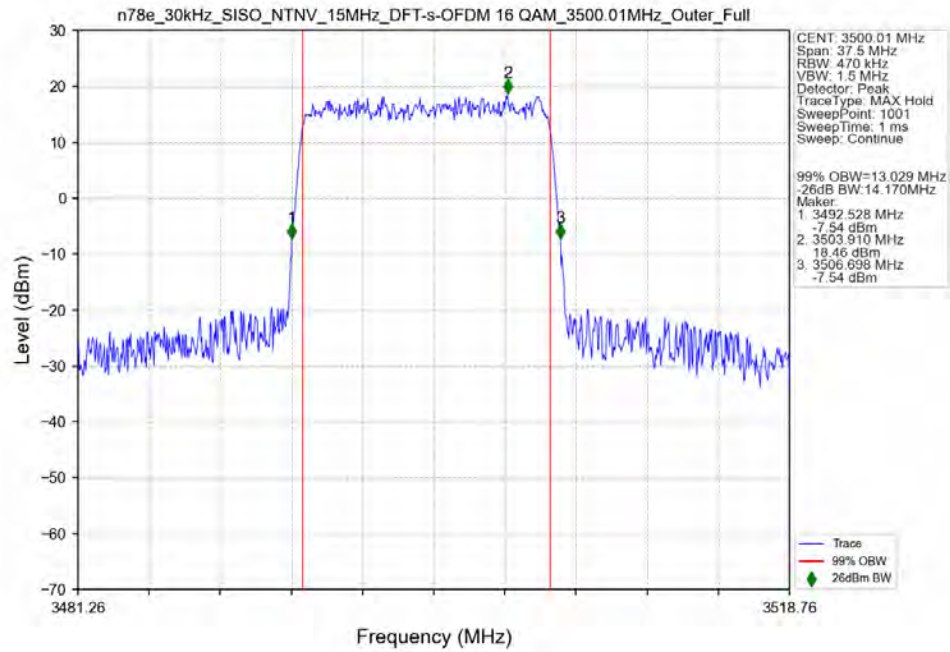
- Modulation:** BPSK
- Center Frequency:** 3500.01 MHz
- Span:** 37.5 MHz
- RBW:** 470 kHz
- VBW:** 1.5 MHz
- Detector:** Peak
- Trace Type:** MAX Hold
- Sweep Point:** 1001
- Sweep Time:** 1 ms
- Sweep:** Continue
- 99% OBW:** 13.067 MHz
- 26dB BW:** 14.097 MHz
- Marker 1:** 3492.556 MHz, -5.93 dBm
- Marker 2:** 3496.335 MHz, 20.07 dBm
- Marker 3:** 3506.653 MHz, -5.93 dBm

Bottom Plot: QPSK Modulation

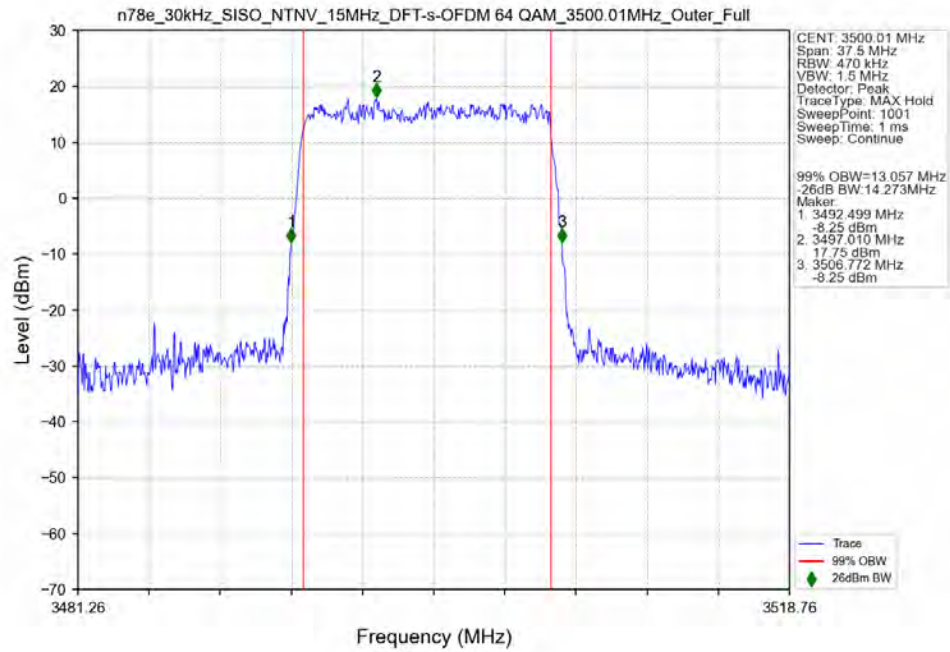
- Modulation:** QPSK
- Center Frequency:** 3500.01 MHz
- Span:** 37.5 MHz
- RBW:** 470 kHz
- VBW:** 1.5 MHz
- Detector:** Peak
- Trace Type:** MAX Hold
- Sweep Point:** 1001
- Sweep Time:** 1 ms
- Sweep:** Continue
- 99% OBW:** 13.033 MHz
- 26dB BW:** 14.204 MHz
- Marker 1:** 3492.526 MHz, -7.14 dBm
- Marker 2:** 3503.122 MHz, 18.86 dBm
- Marker 3:** 3506.730 MHz, -7.14 dBm



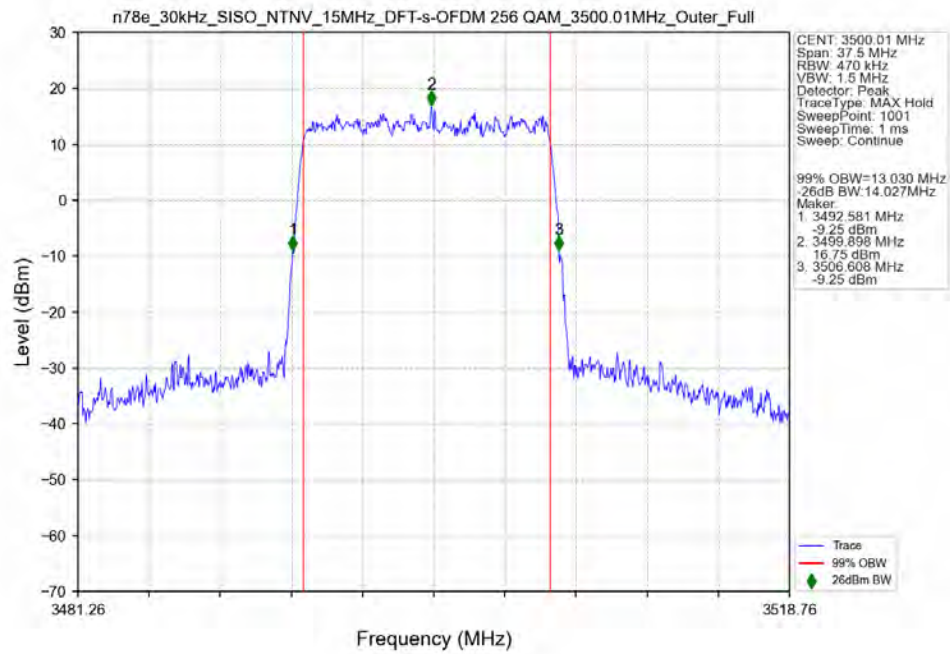
n78e_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



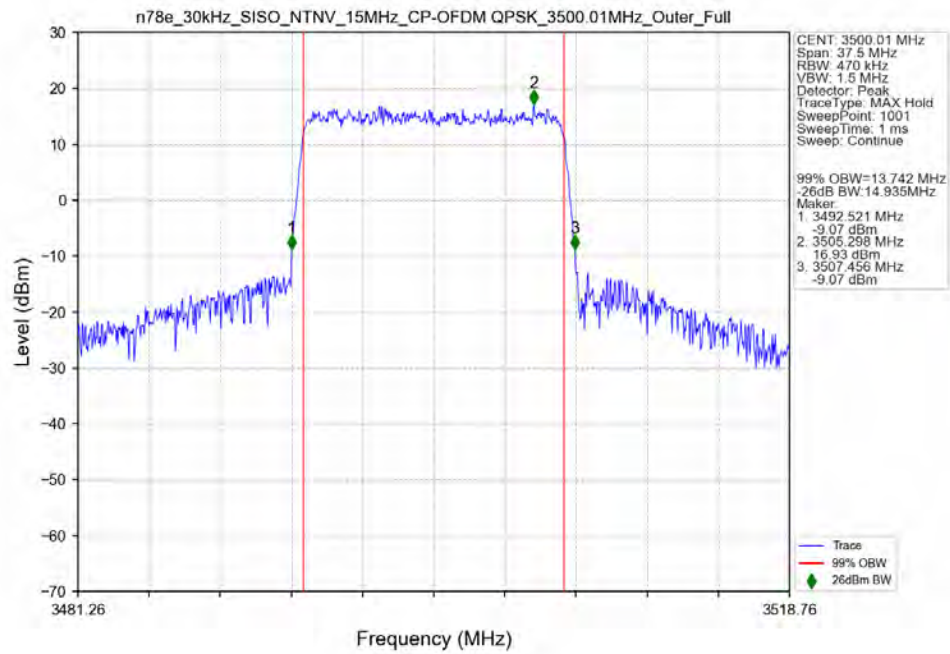
n78e_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant11



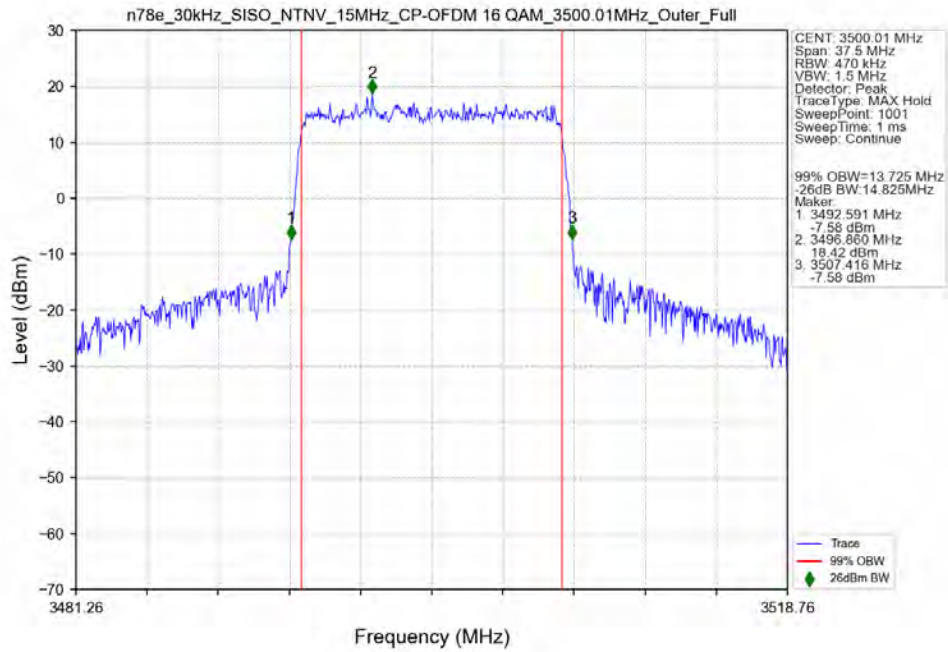
n78e 30kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant11



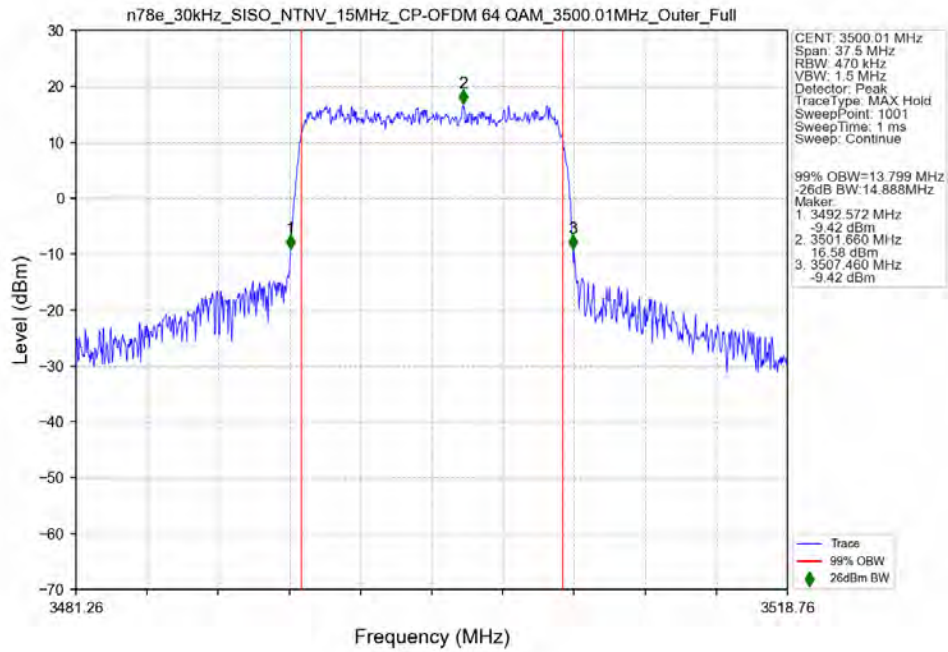
n78e 30kHz SISO NTN 15MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant11



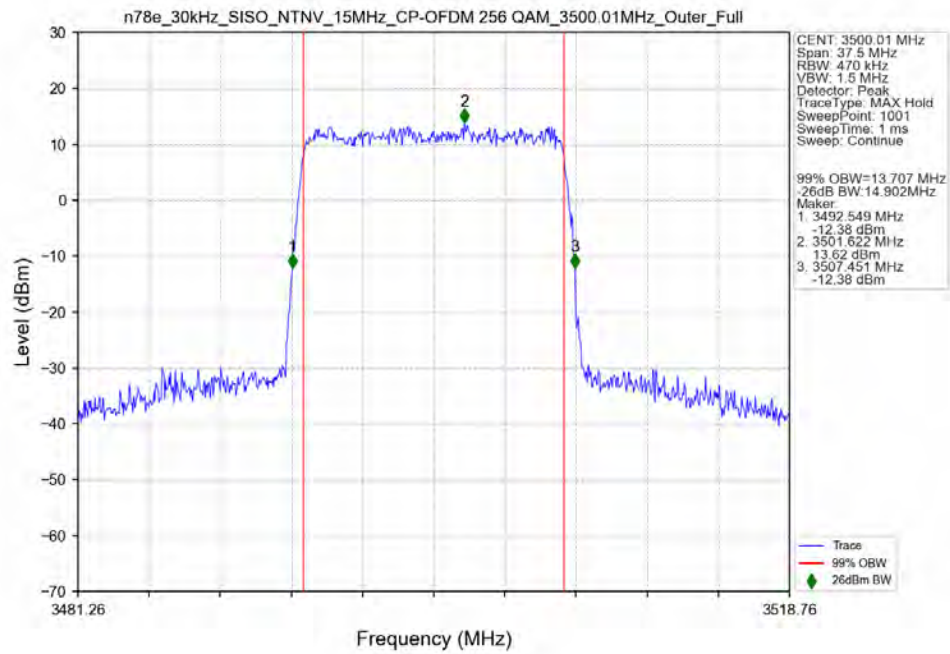
n78e_30kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM 3500.01MHz Outer Full Ant11



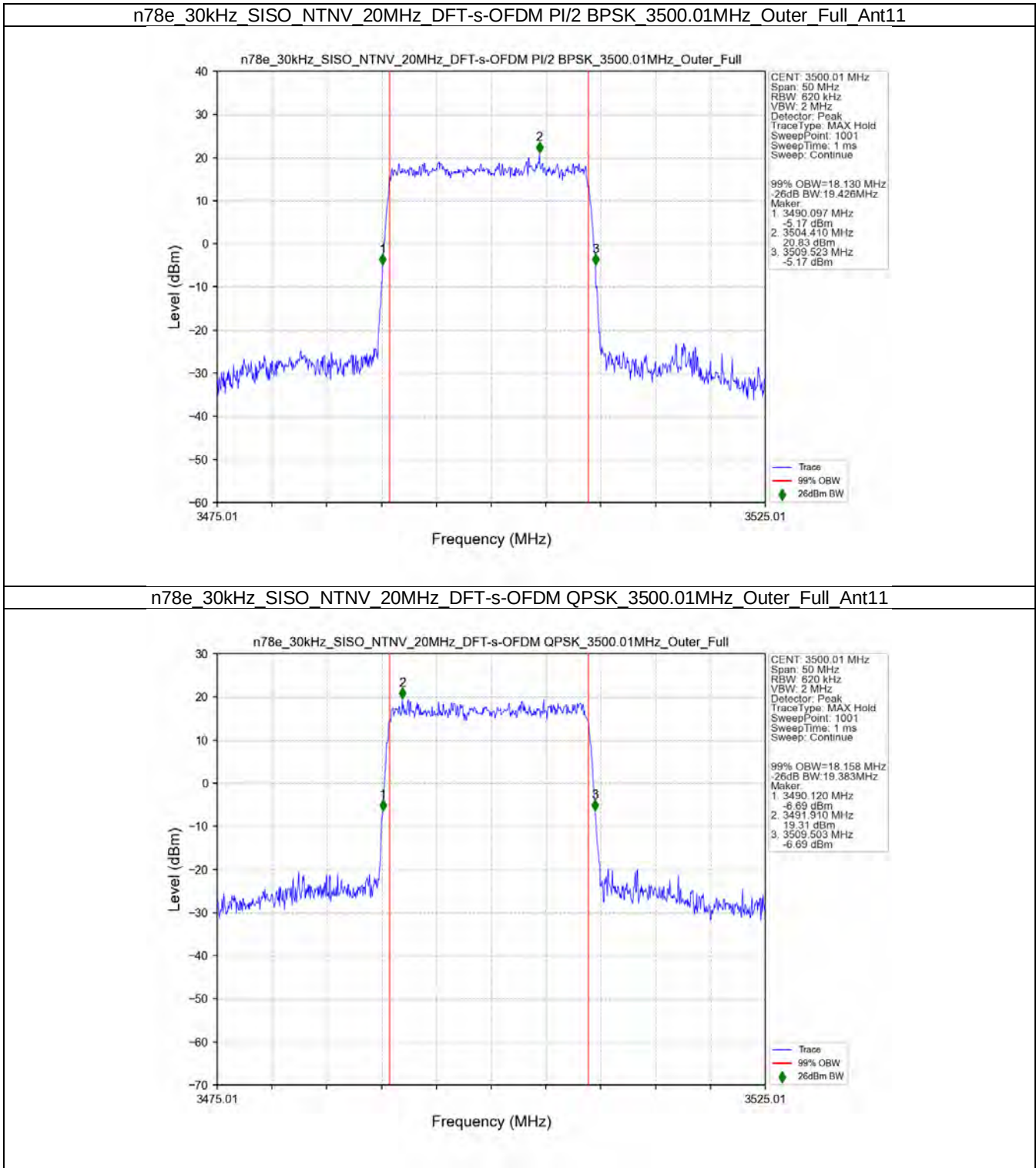
n78e_30kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM 3500.01MHz Outer Full Ant11



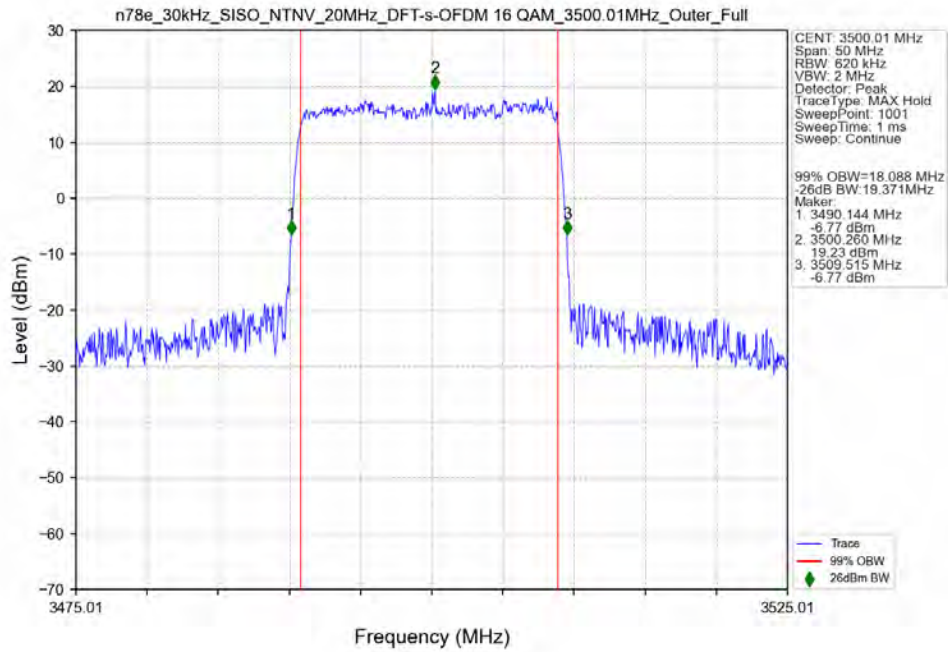
n78e 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



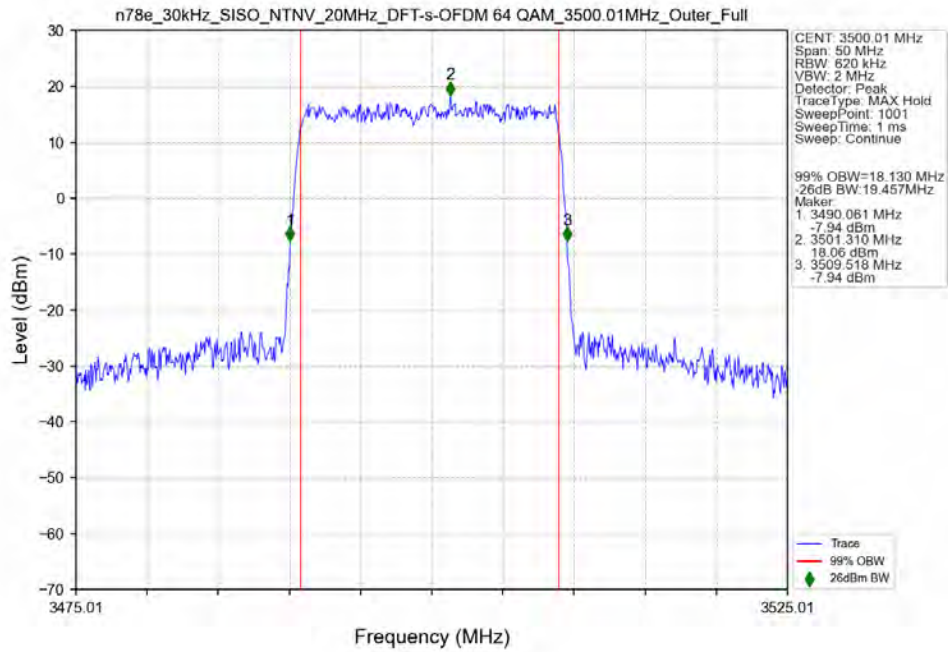
3.2.3 30k_SISO_20MHz_NTNV



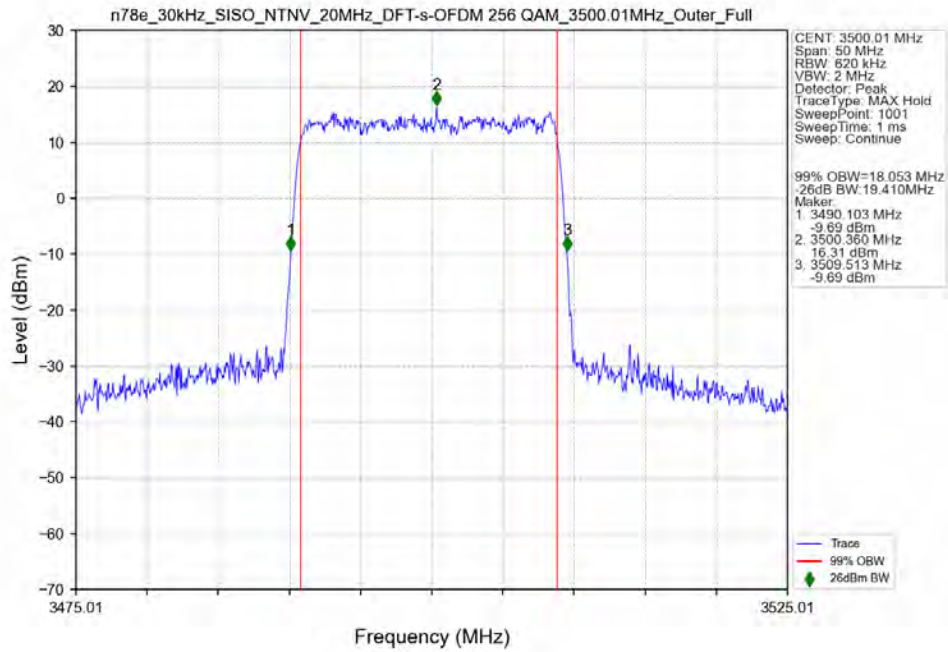
n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



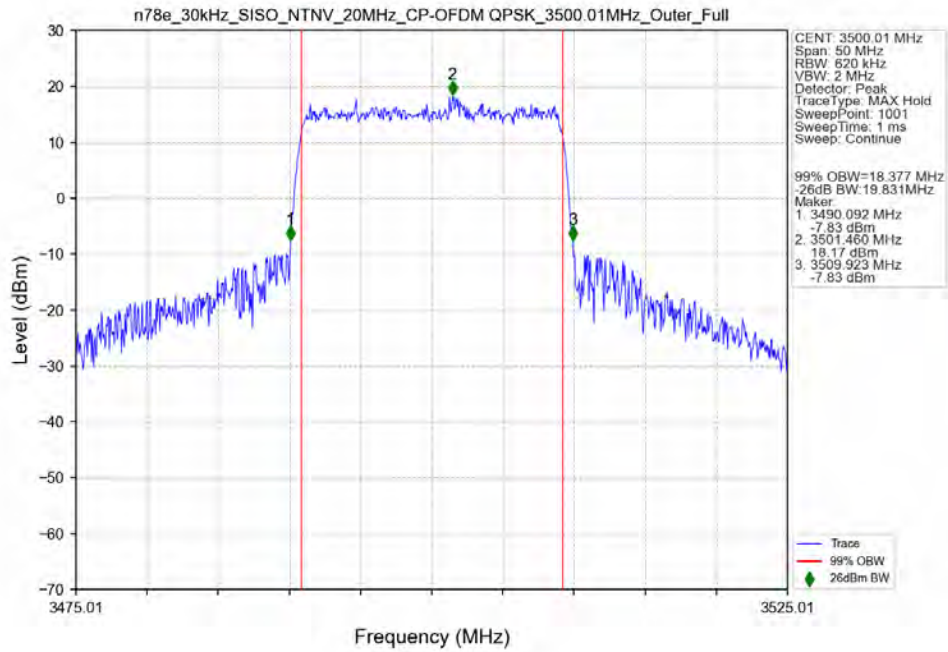
n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant11



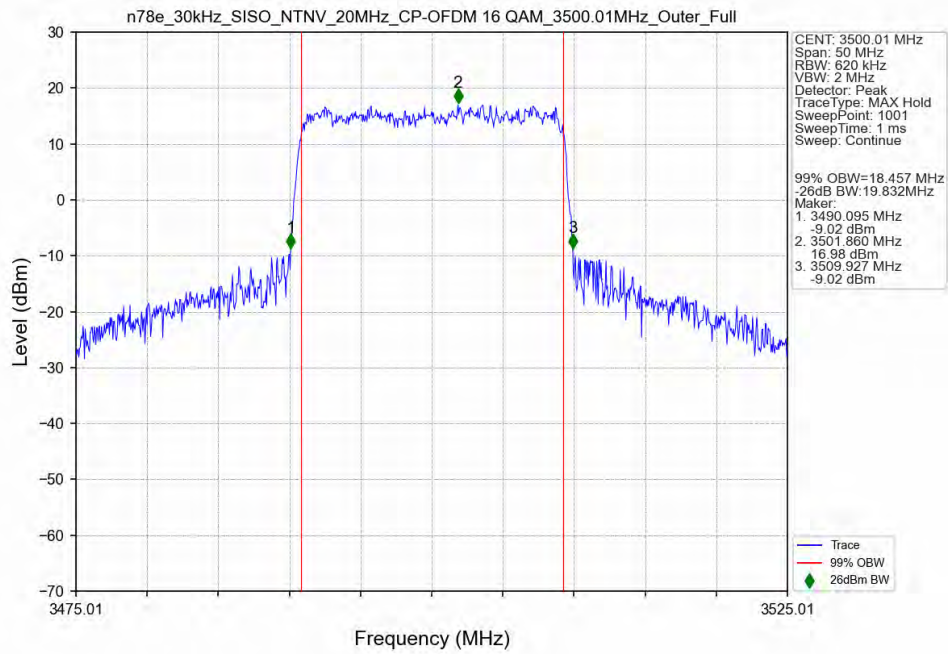
n78e 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant11



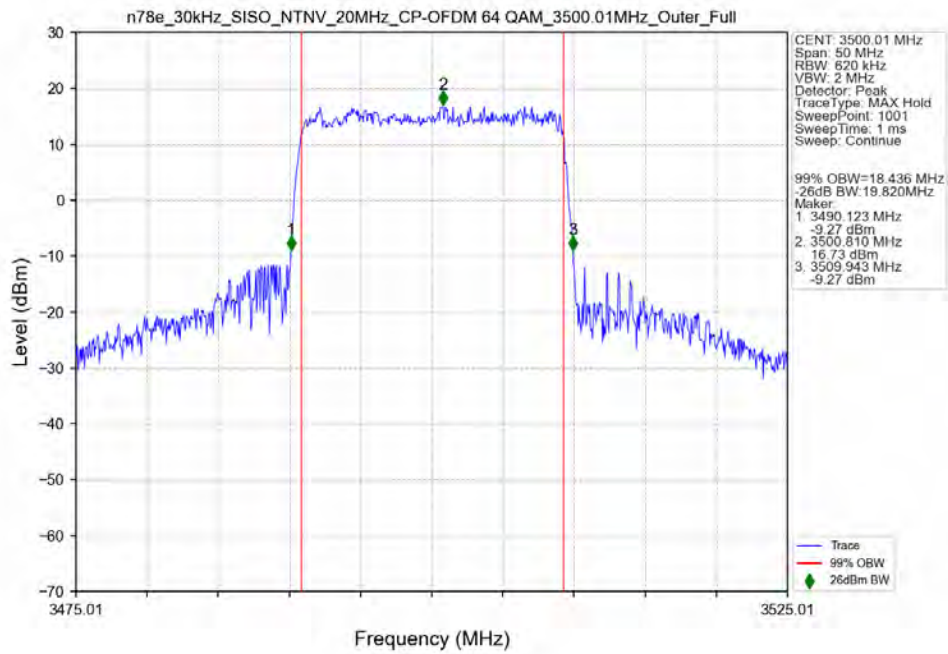
n78e 30kHz SISO NTN 20MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant11



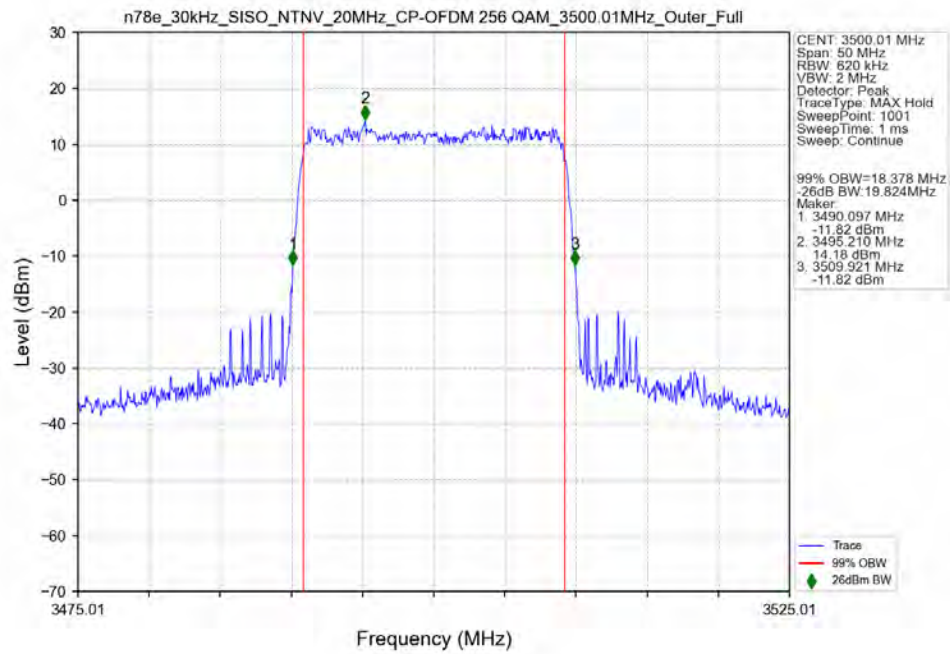
n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM 3500.01MHz_Outer_Full_Ant11



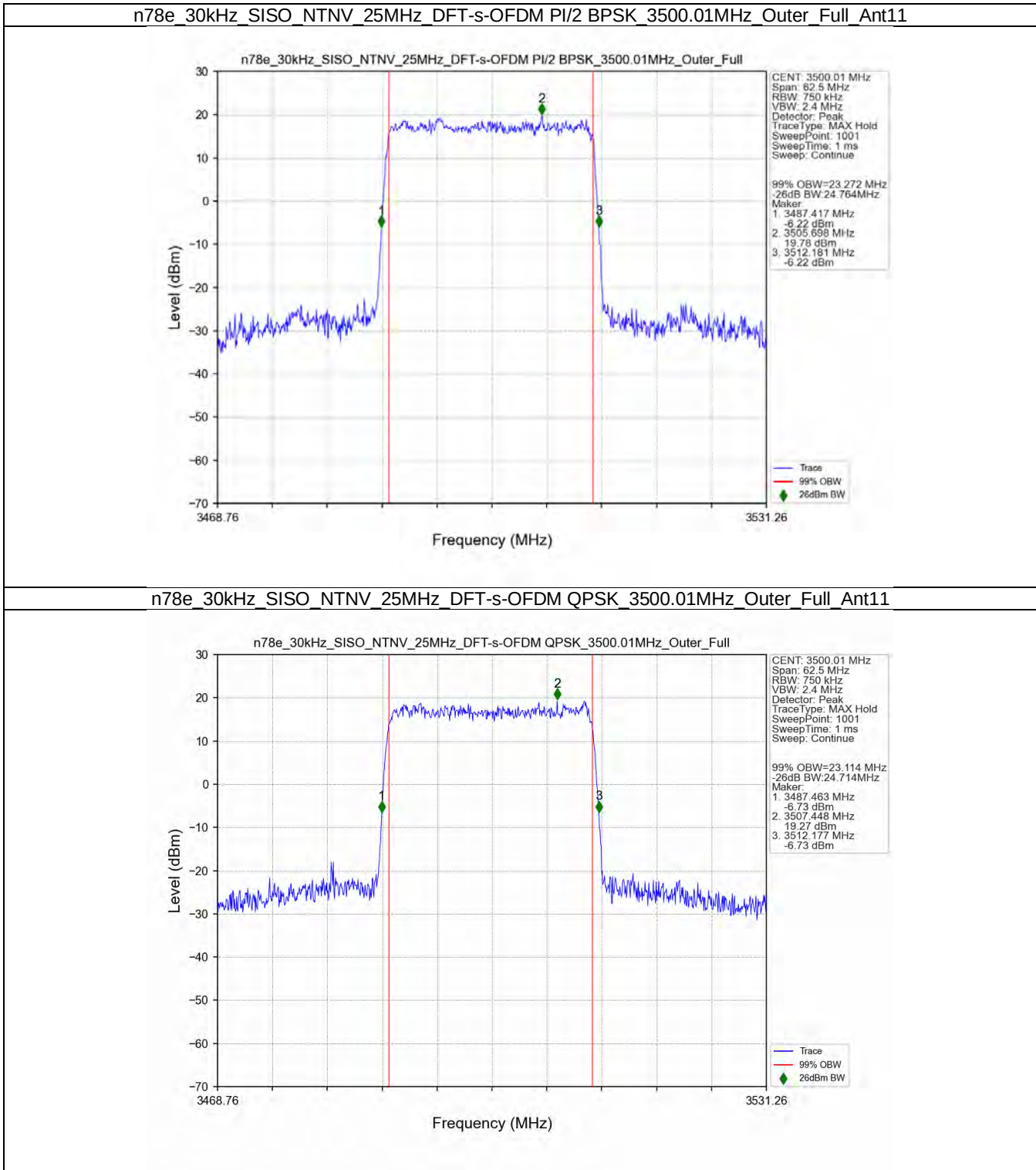
n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM 3500.01MHz_Outer_Full_Ant11



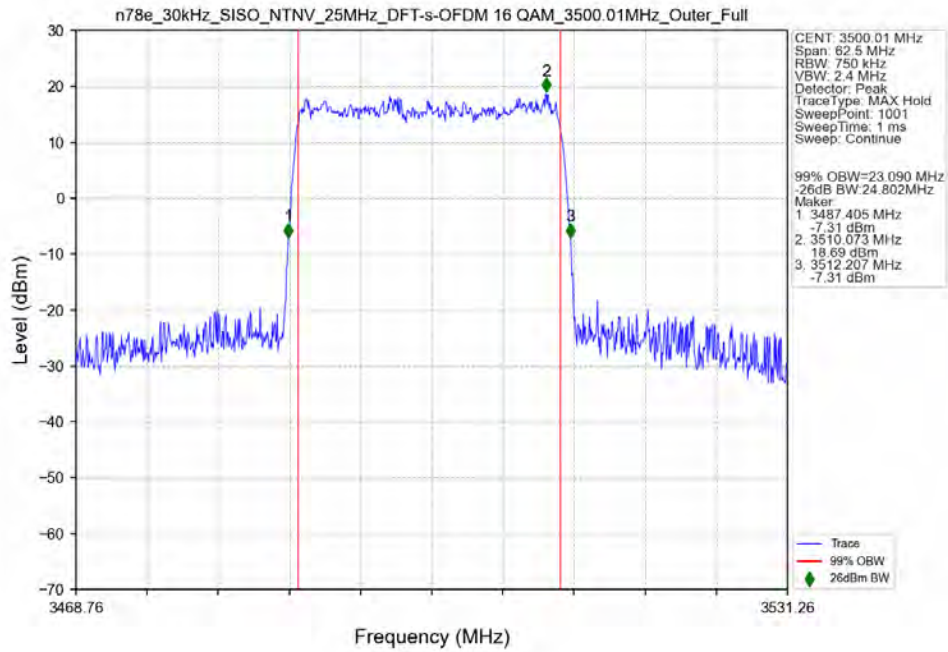
n78e 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



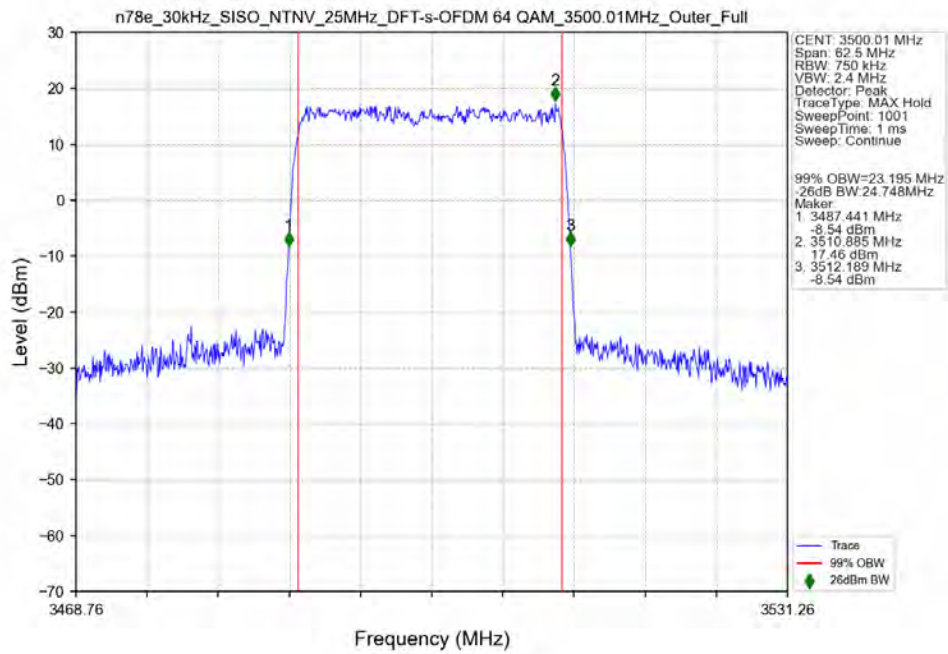
3.2.4 30k_SISO_25MHz_NTNV



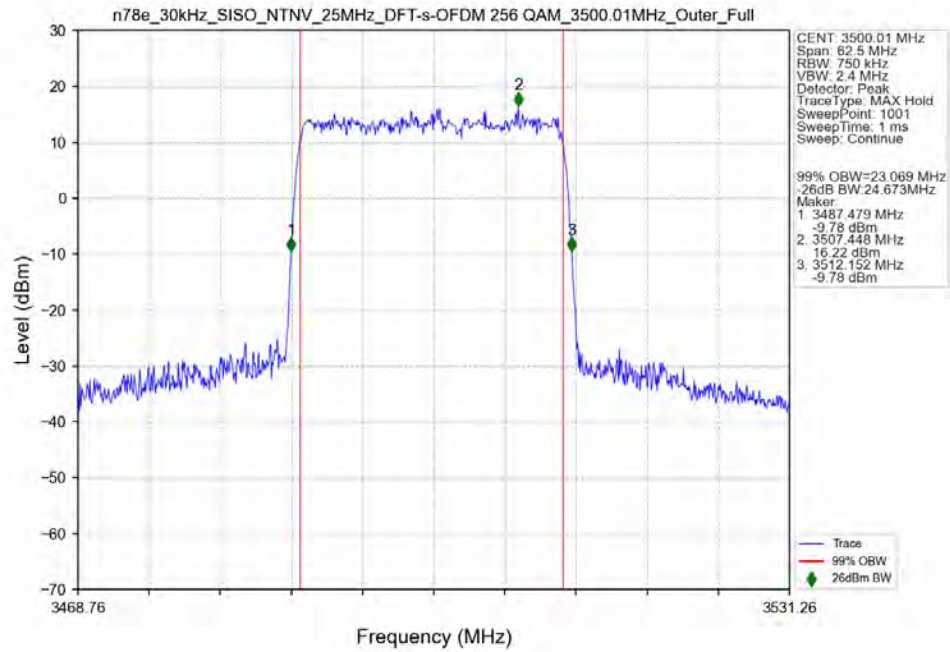
n78e_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



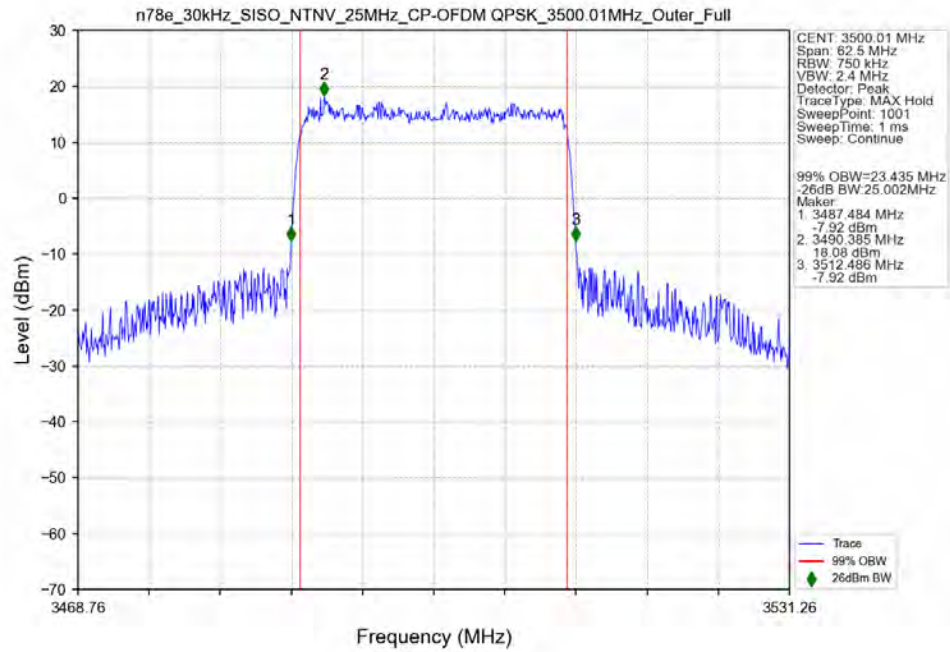
n78e_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant11



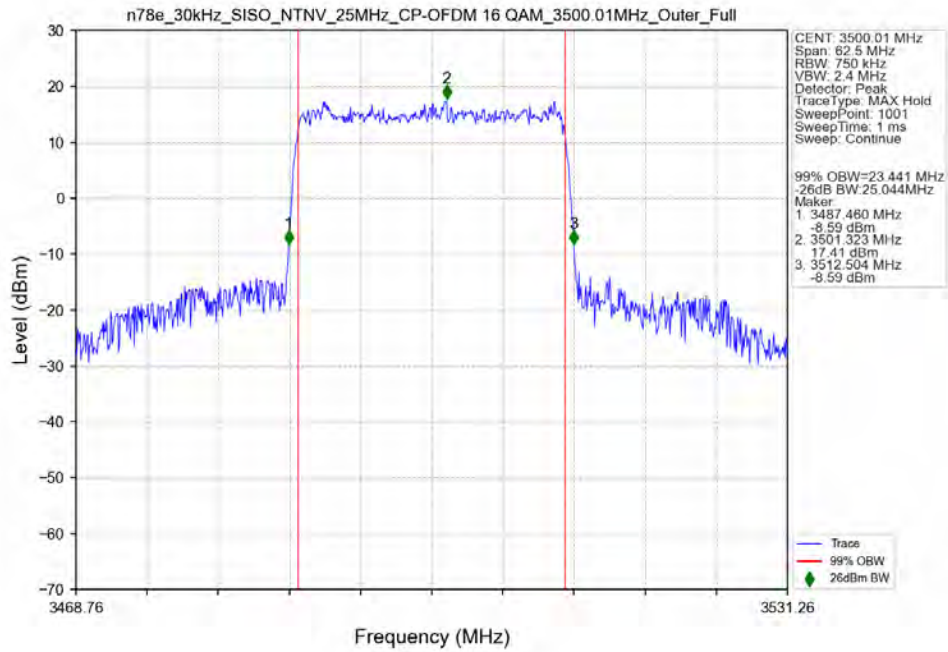
n78e 30kHz SISO NTN 25MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant11



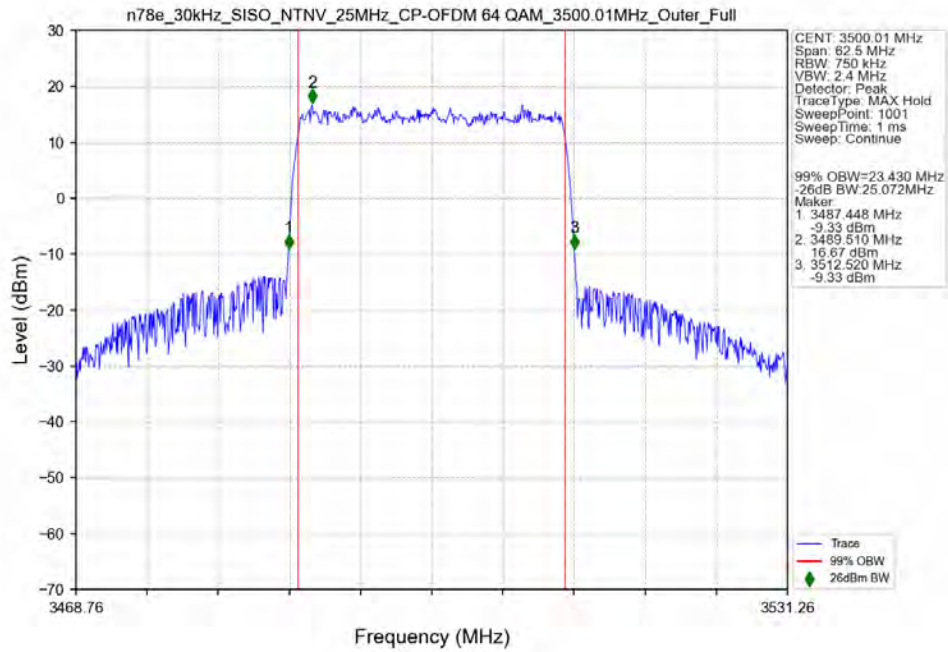
n78e 30kHz SISO NTN 25MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant11



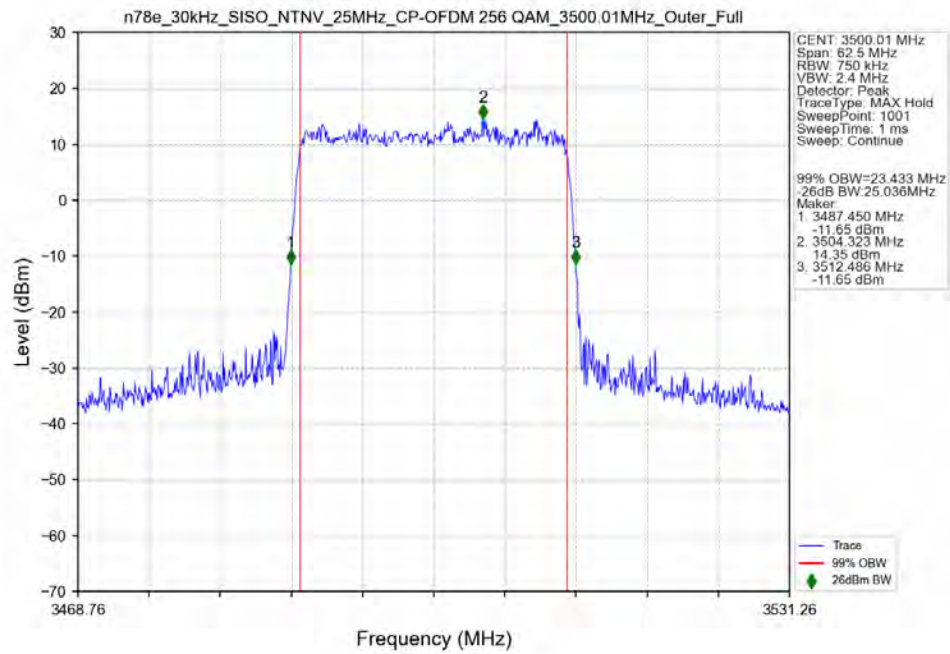
n78e_30kHz_SISO_NTNV_25MHz_CP-OFDM 16 QAM 3500.01MHz Outer Full Ant11



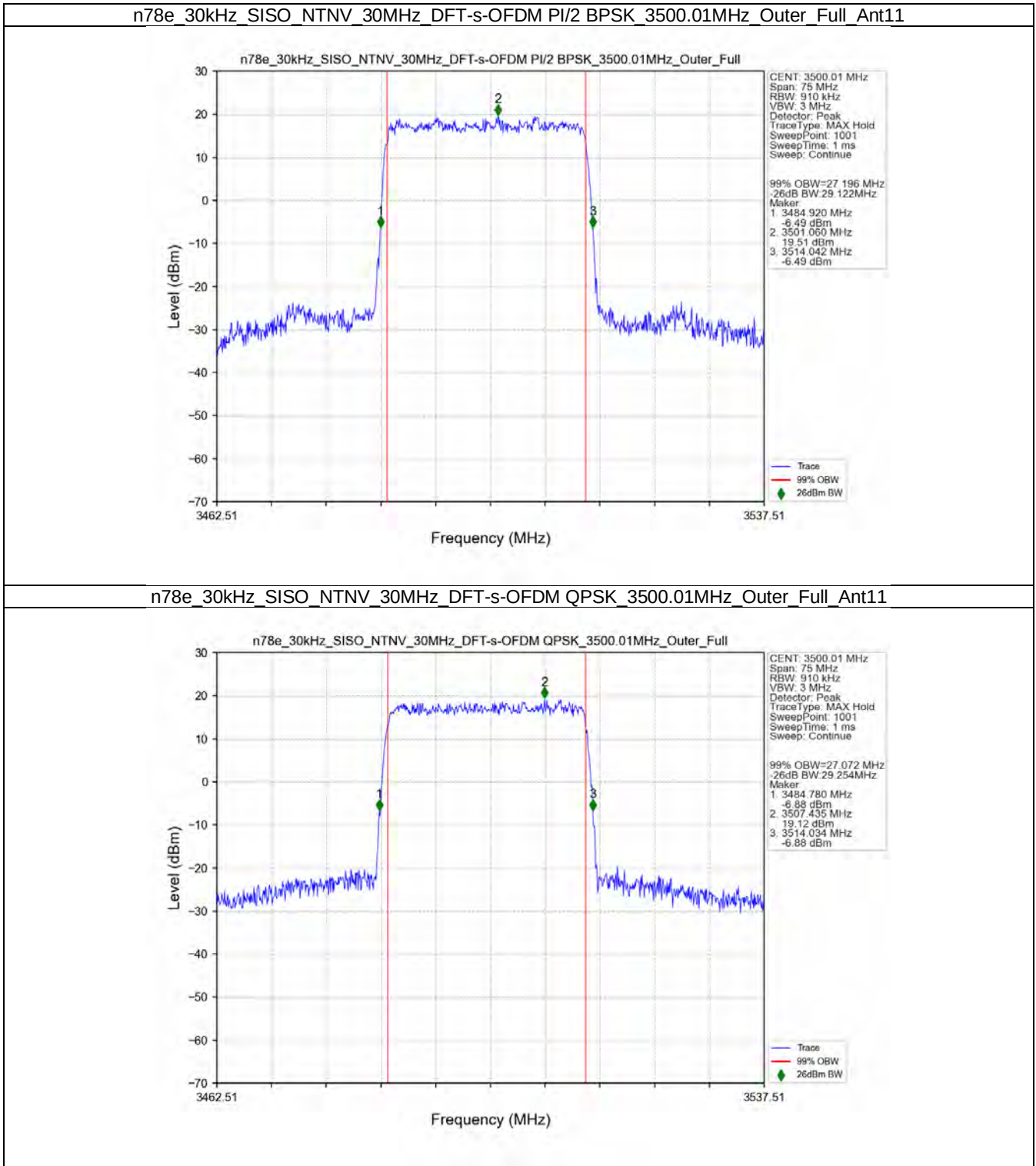
n78e_30kHz_SISO_NTNV_25MHz_CP-OFDM 64 QAM 3500.01MHz Outer Full Ant11



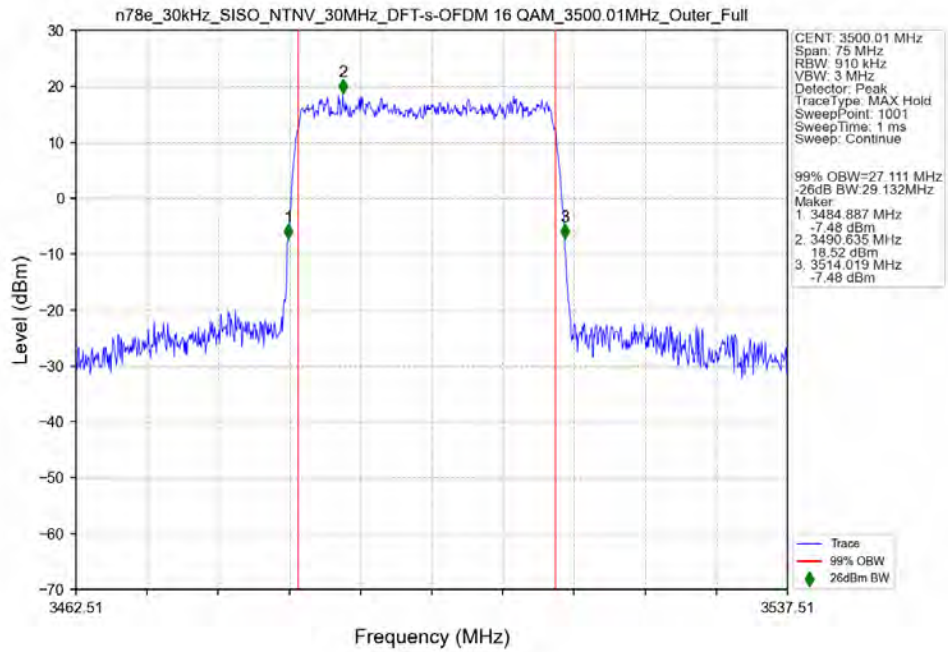
n78e 30kHz SISO NTN 25MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



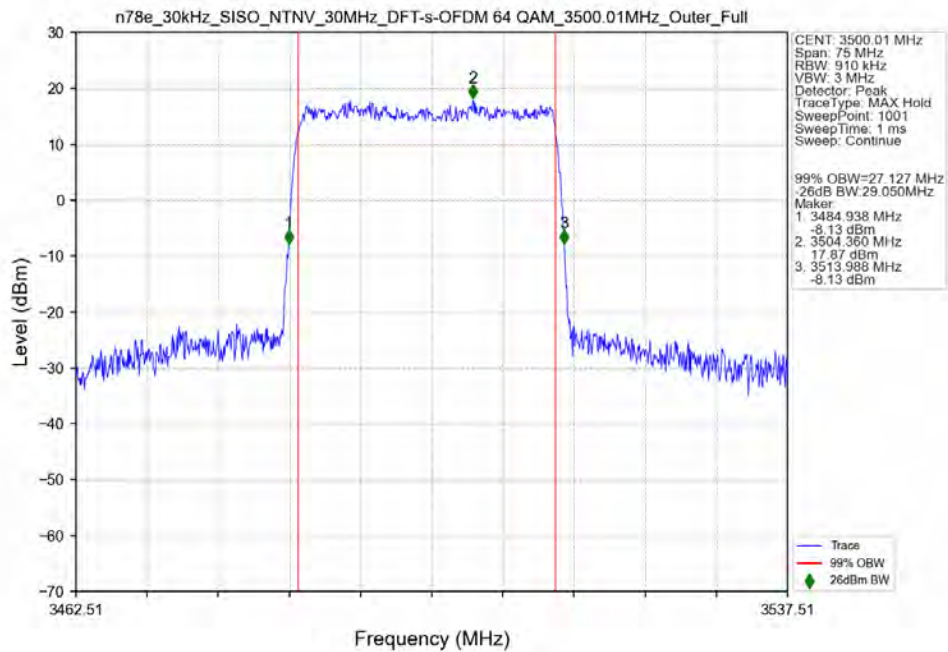
3.2.5 30k_SISO_30MHz_NTNV



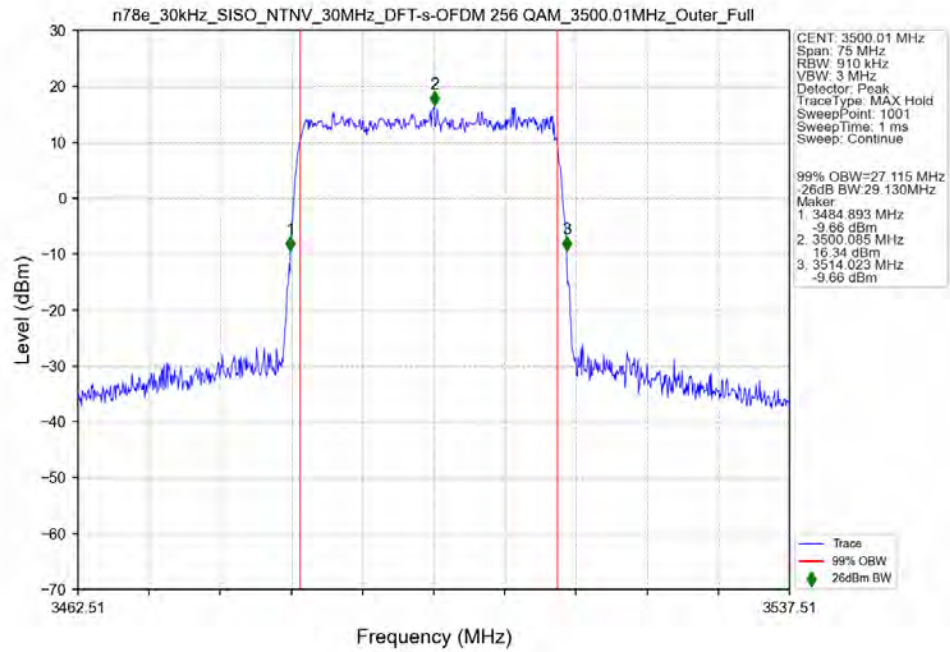
n78e 30kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant11



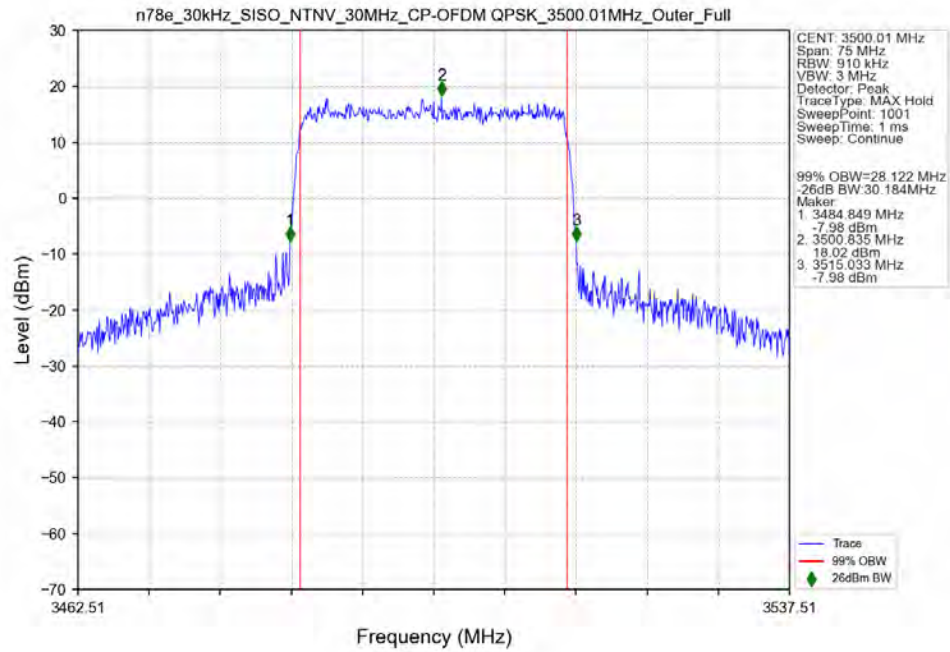
n78e 30kHz SISO NTN 30MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full Ant11



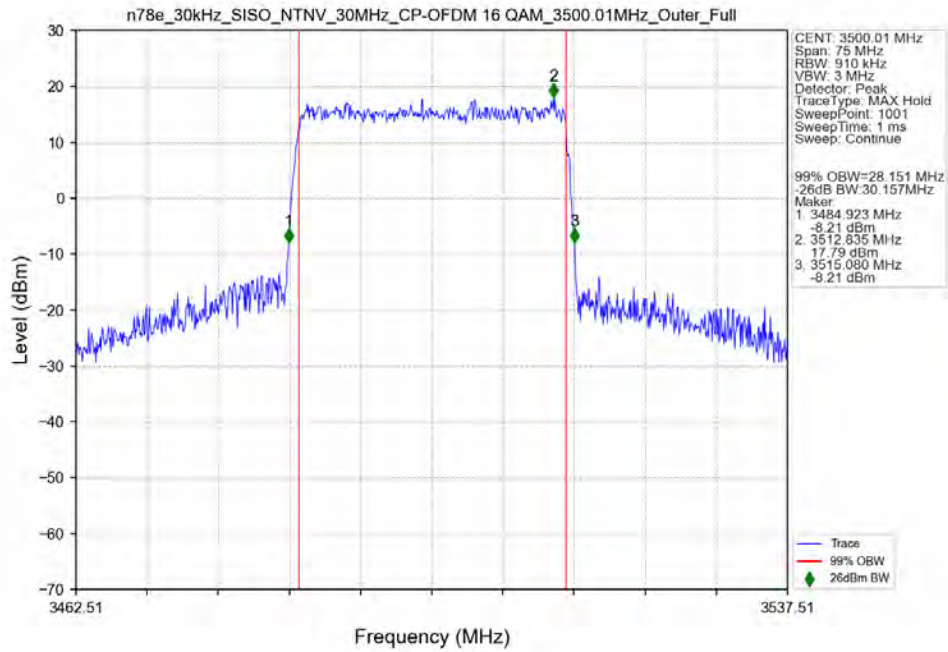
n78e 30kHz SISO NTV 30MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant11



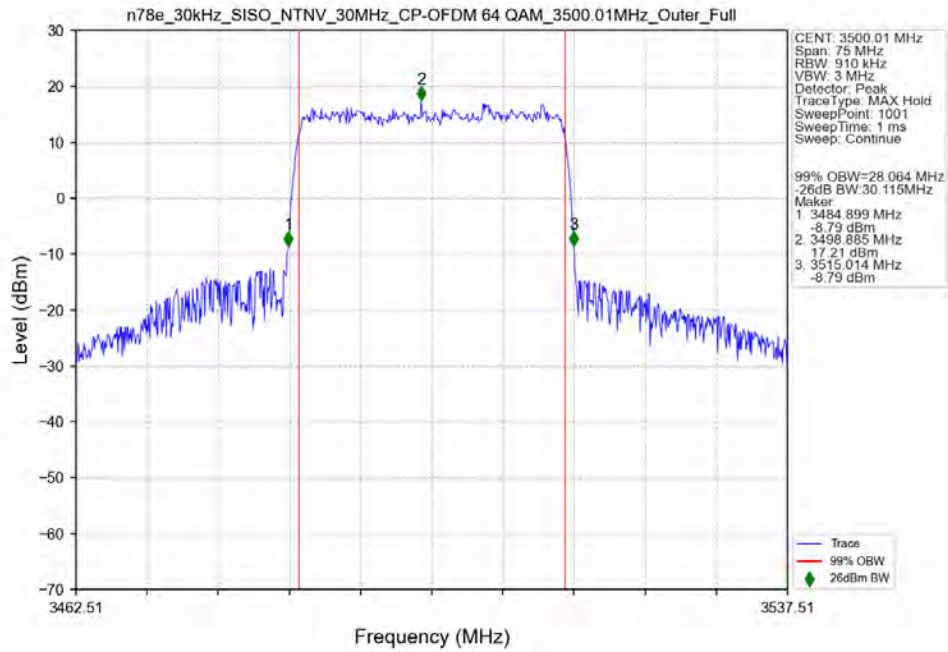
n78e 30kHz SISO NTV 30MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant11



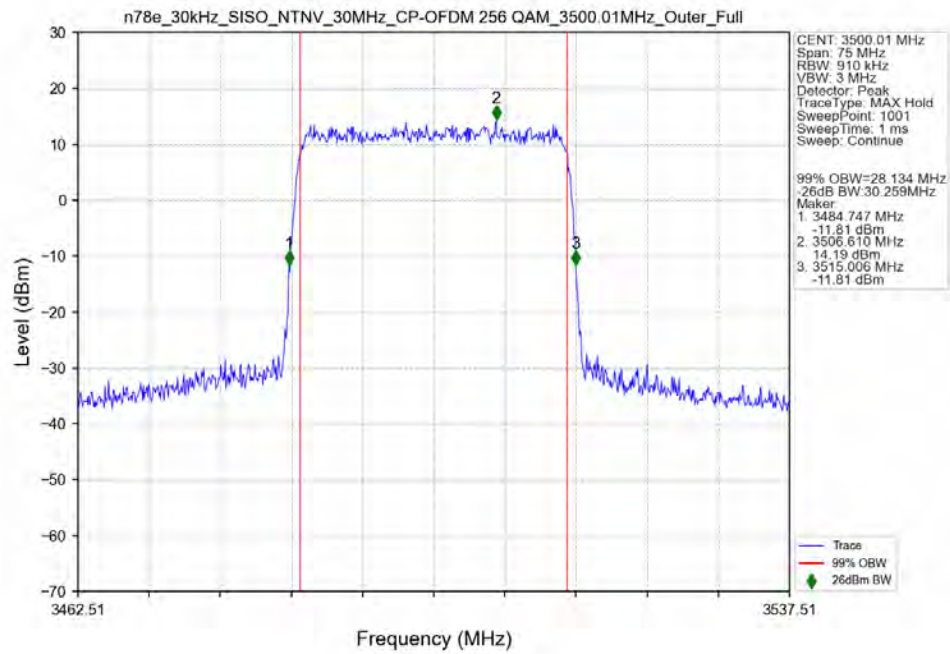
n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM 3500.01MHz Outer Full Ant11



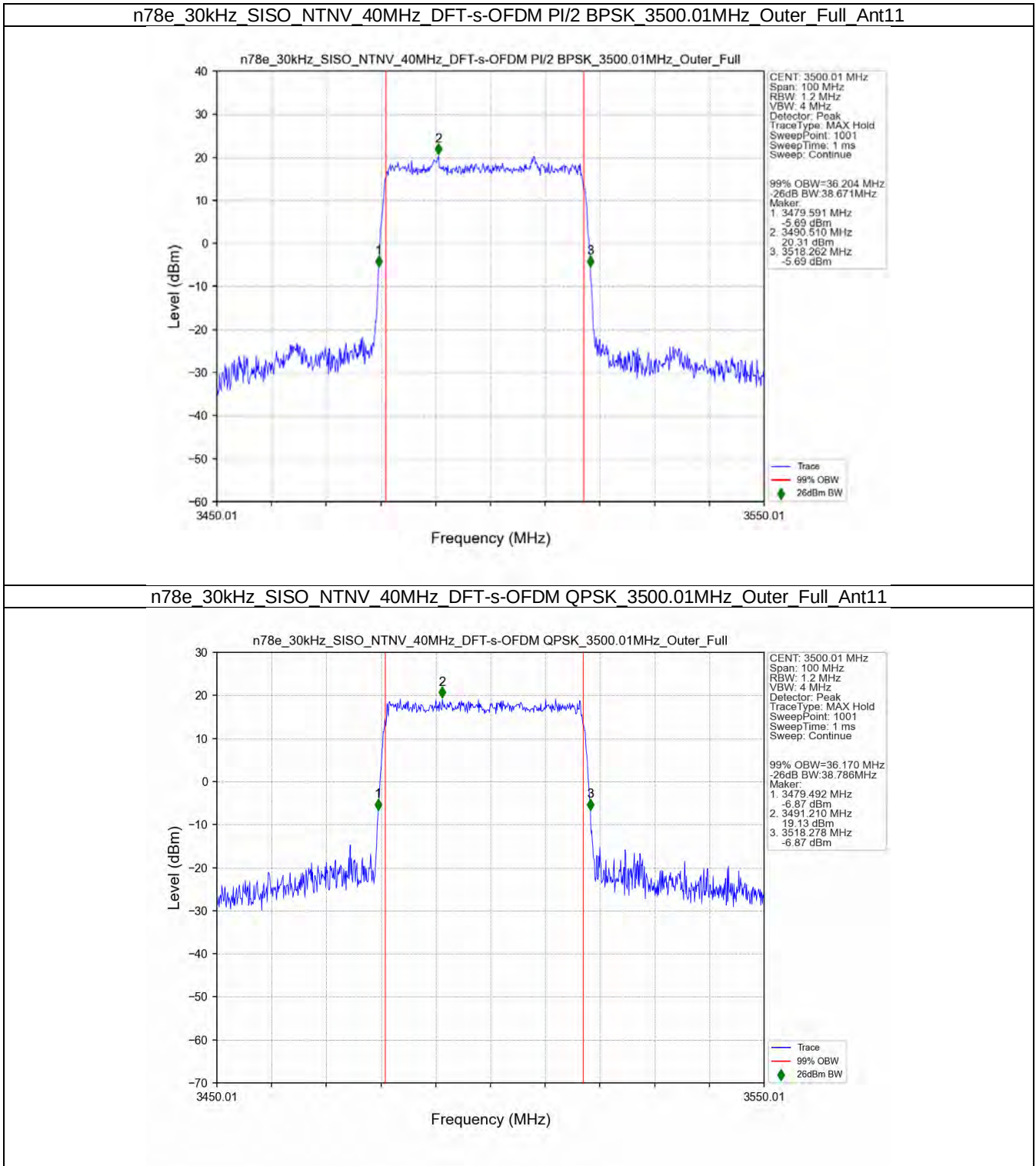
n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM 3500.01MHz Outer Full Ant11



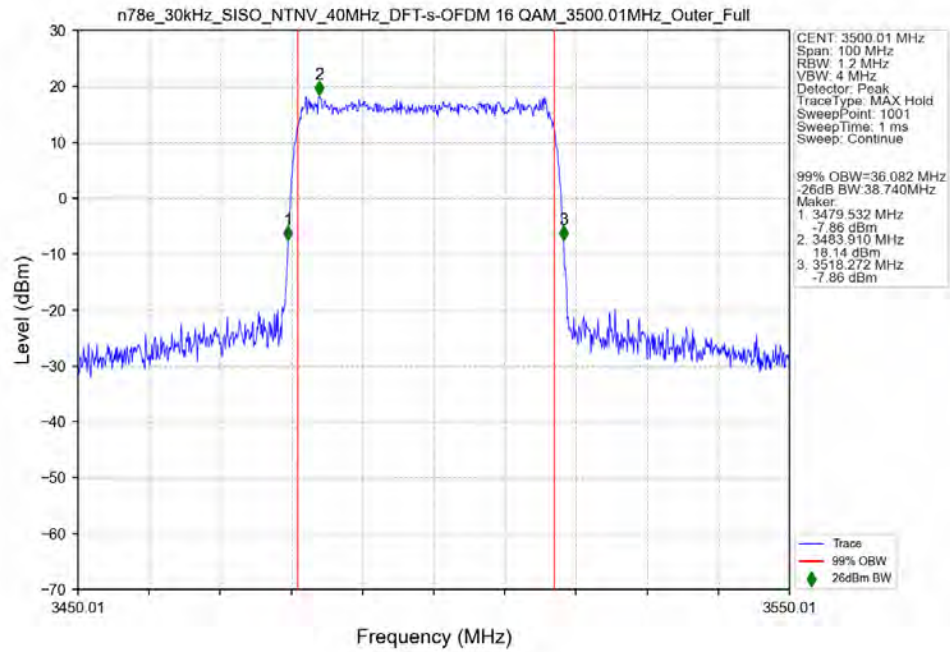
n78e 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



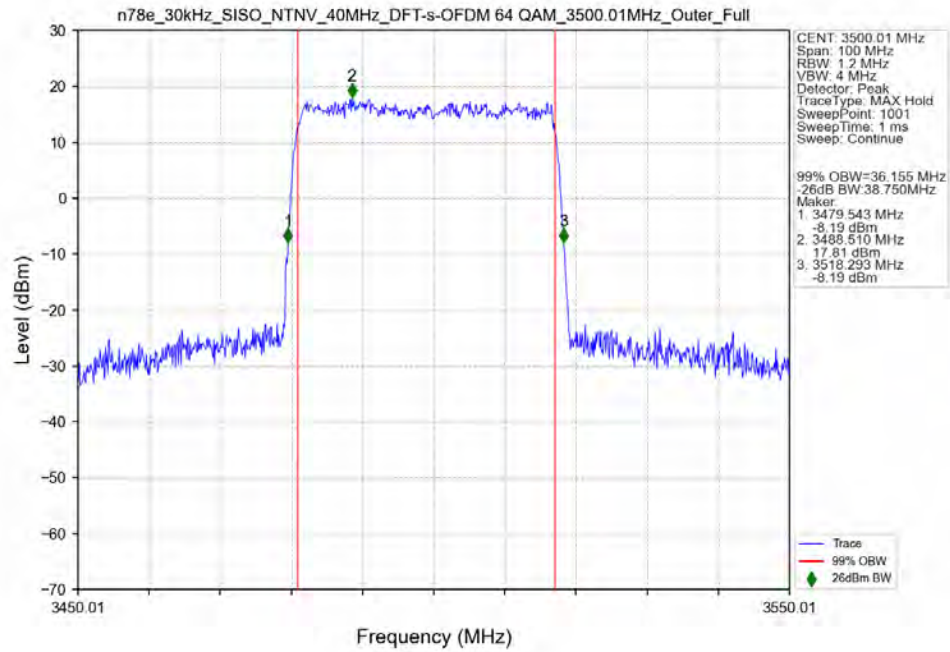
3.2.6 30k_SISO_40MHz_NTNV



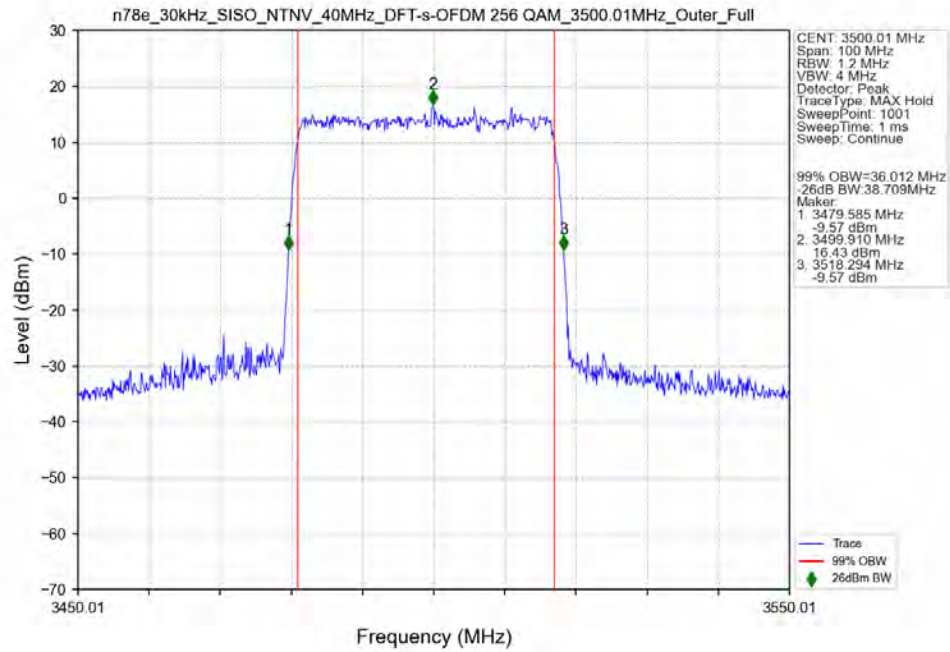
n78e_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



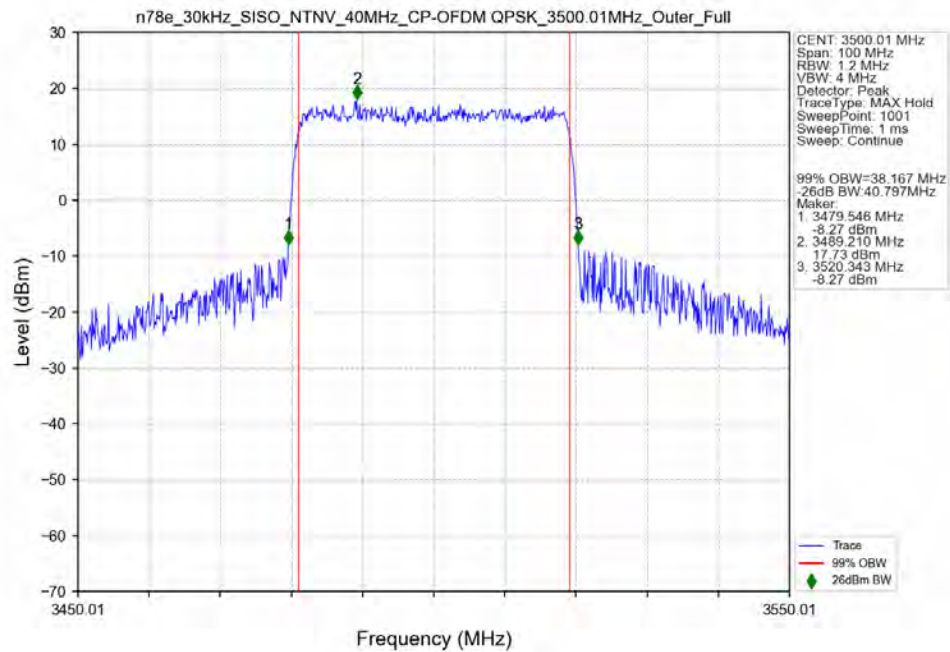
n78e_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant11



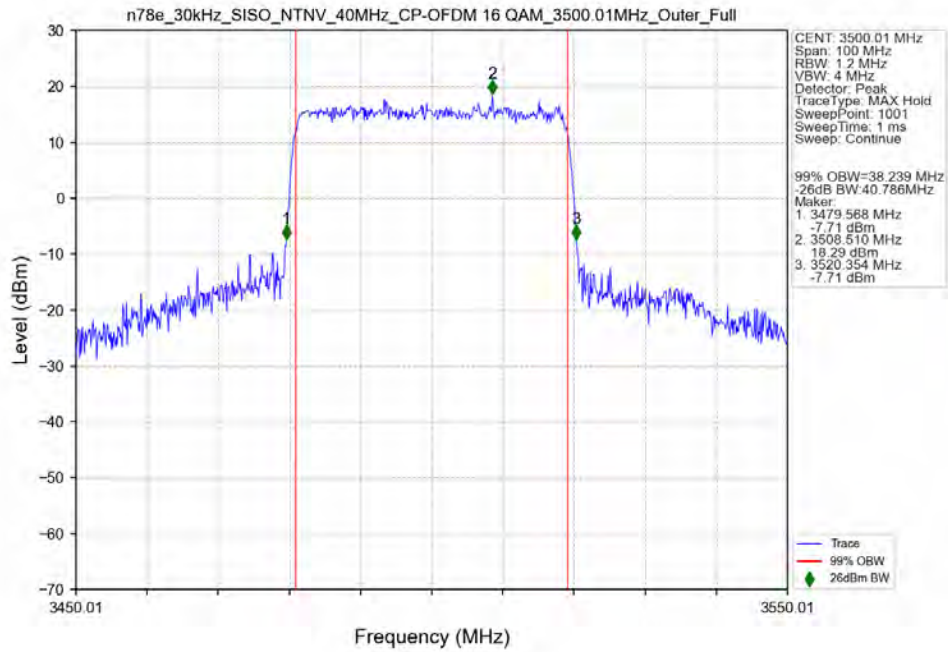
n78e 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant11



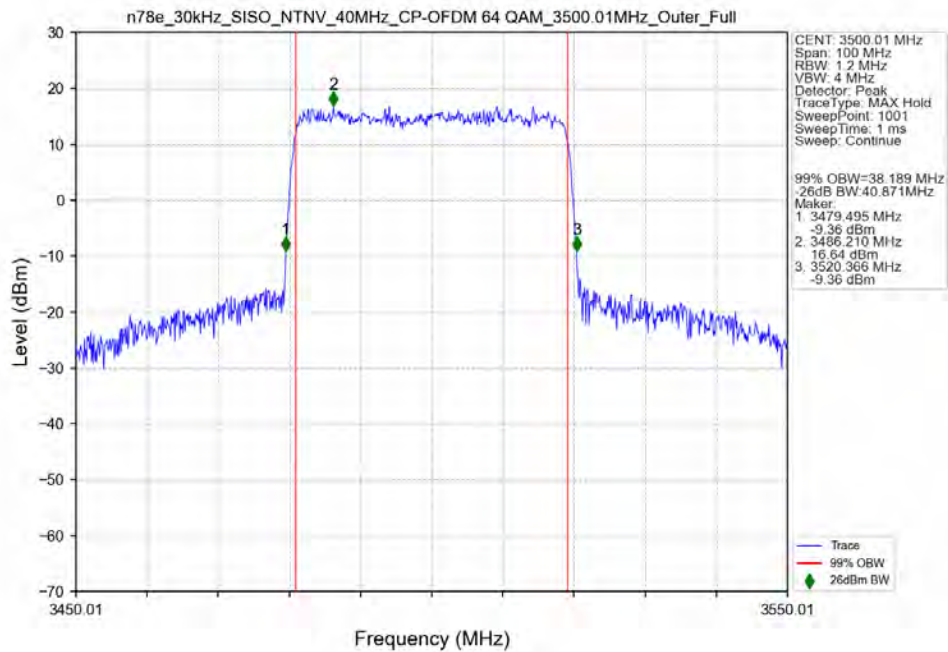
n78e 30kHz SISO NTN 40MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant11



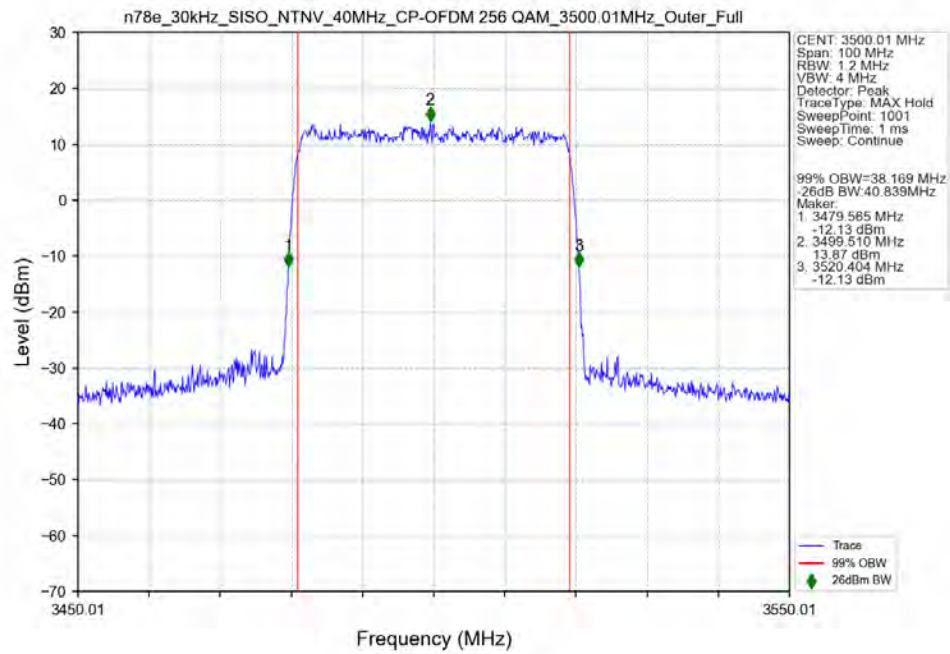
n78e_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM 3500.01MHz Outer Full Ant11



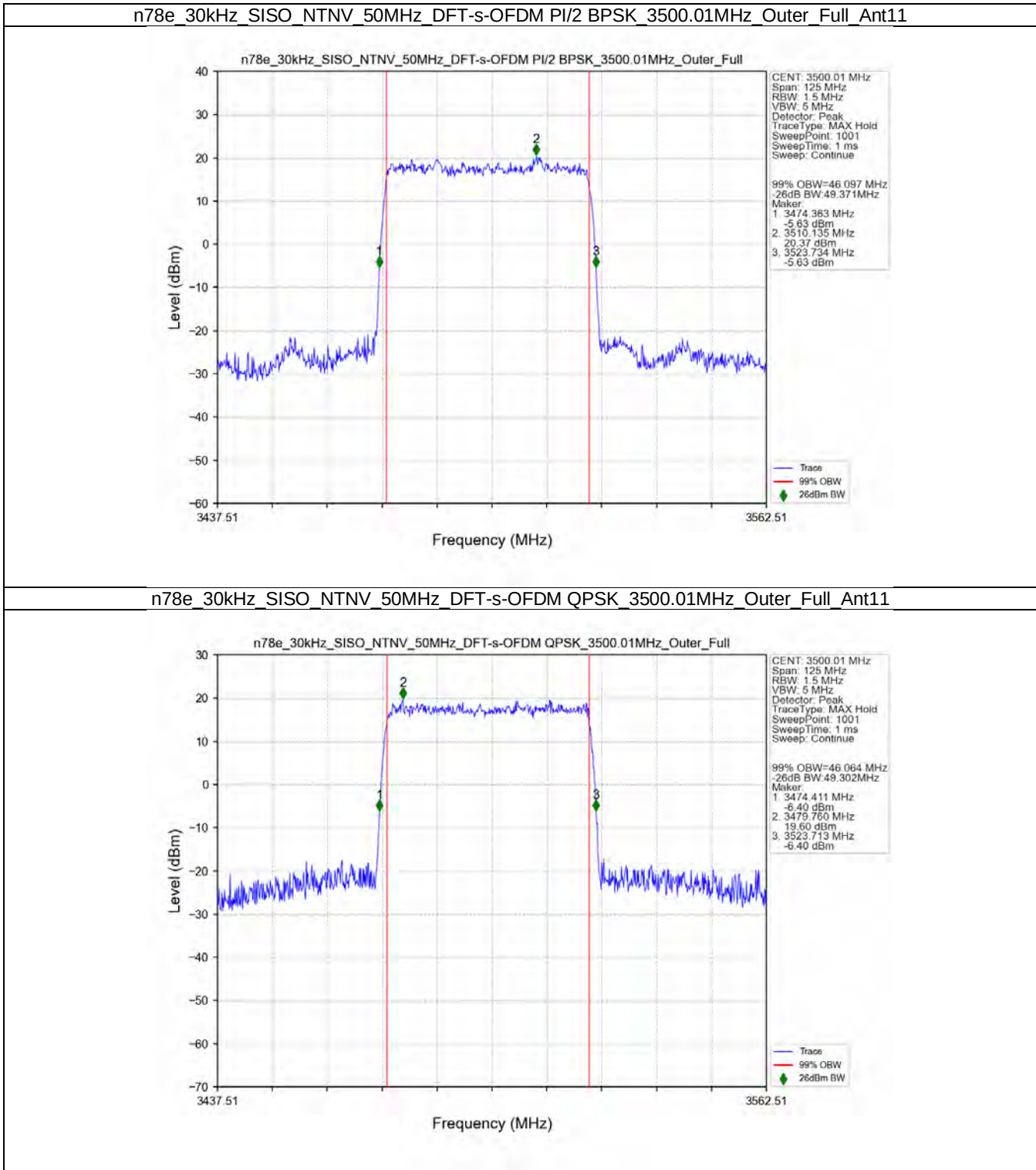
n78e_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM 3500.01MHz Outer Full Ant11



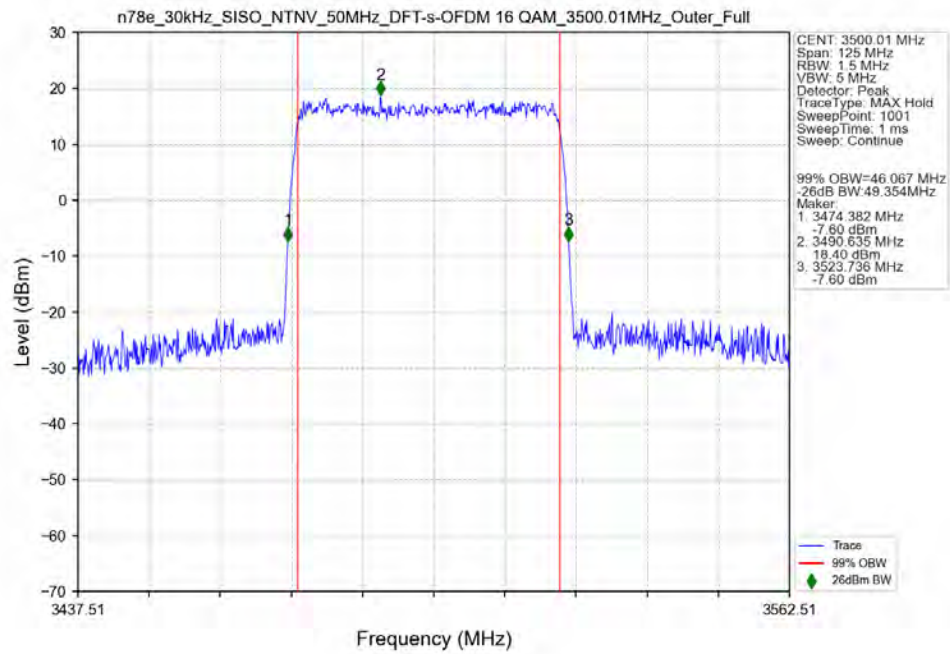
n78e 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



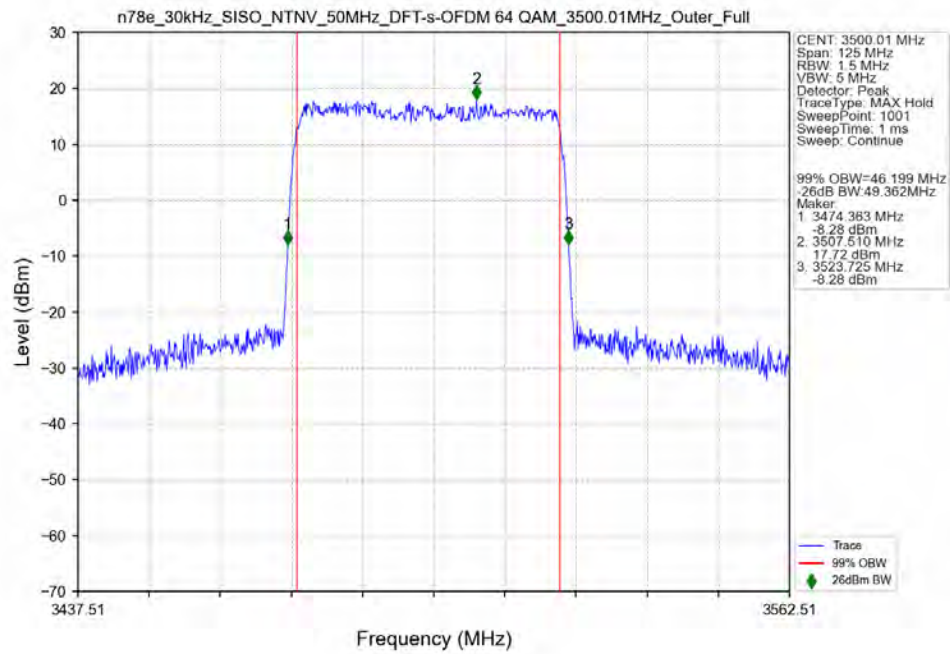
3.2.7 30k_SISO_50MHz_NTNV



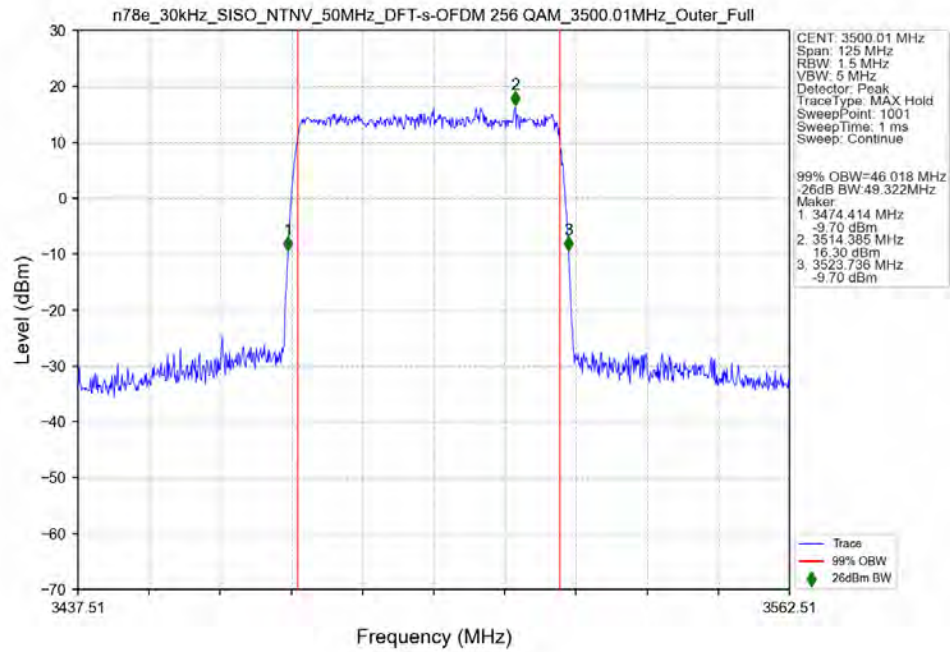
n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



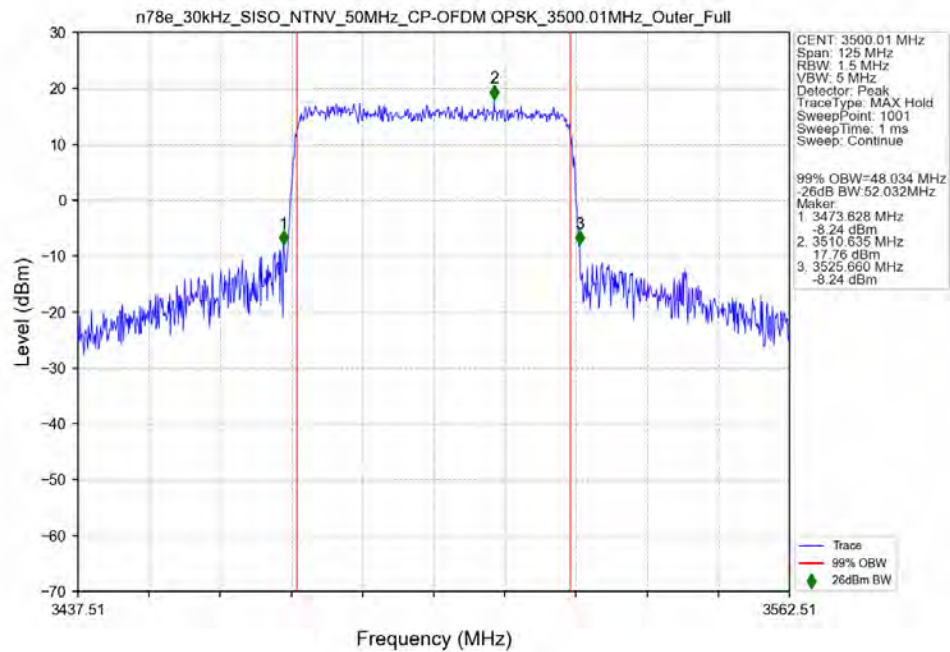
n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant11



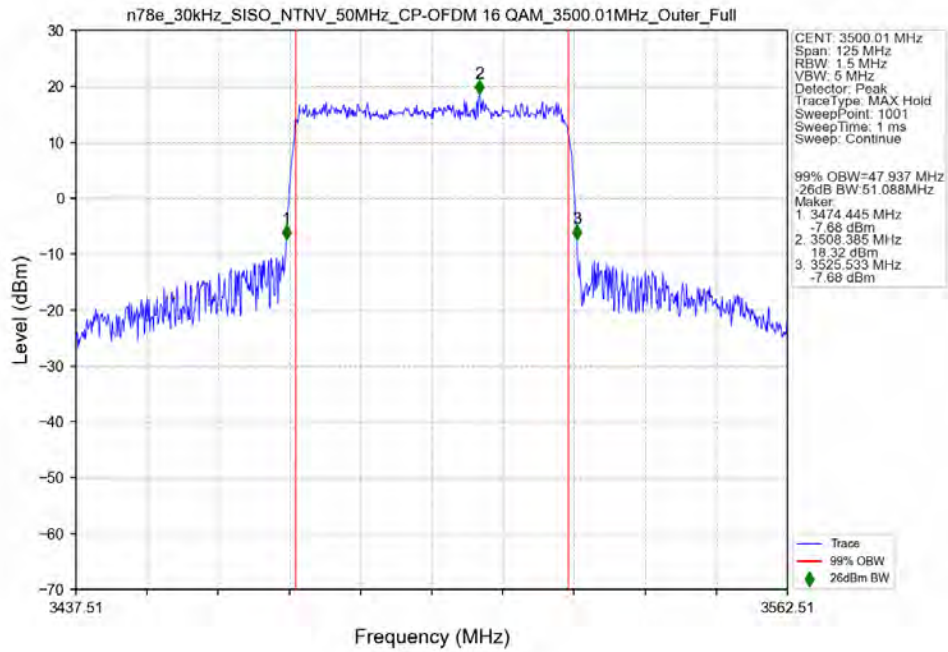
n78e 30kHz SISO NTN 50MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant11



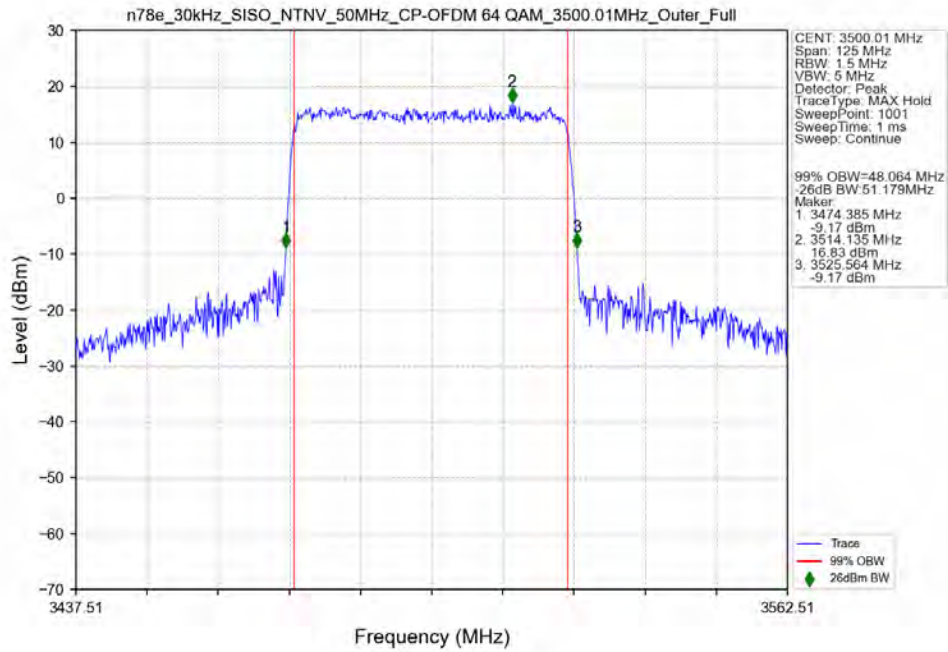
n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant11



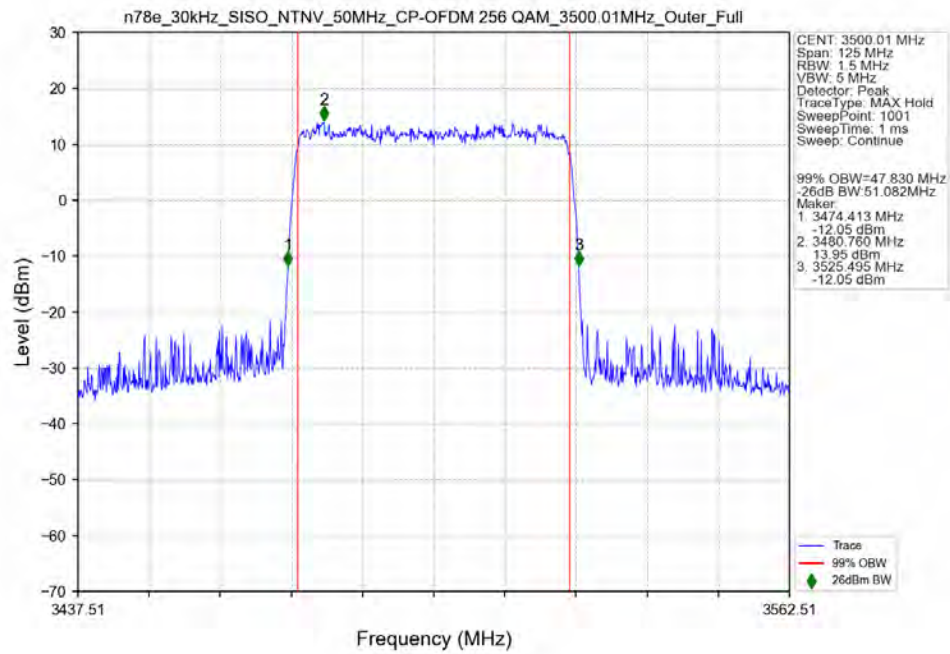
n78e_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM 3500.01MHz_Outer_Full_Ant11



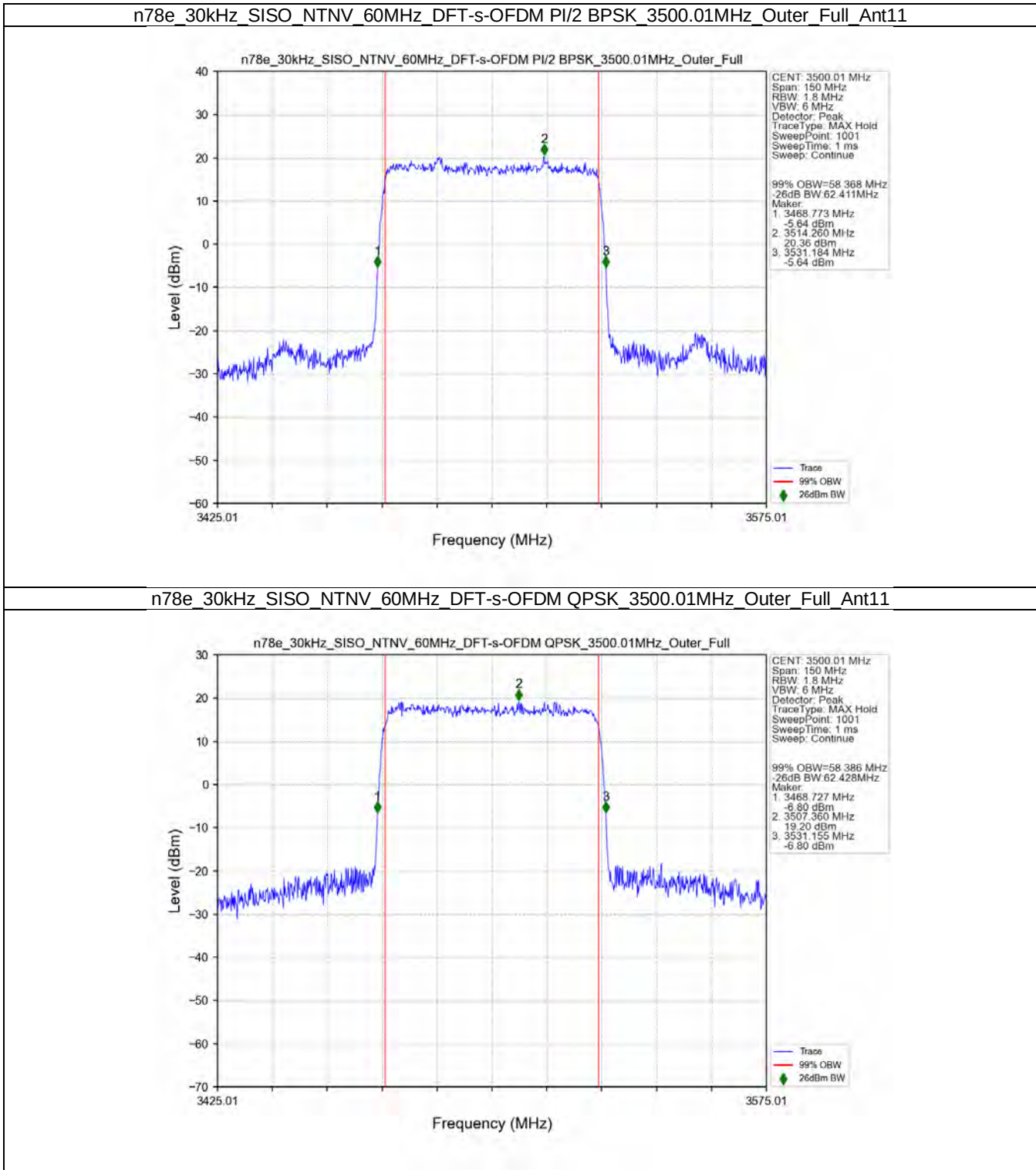
n78e_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM 3500.01MHz_Outer_Full_Ant11



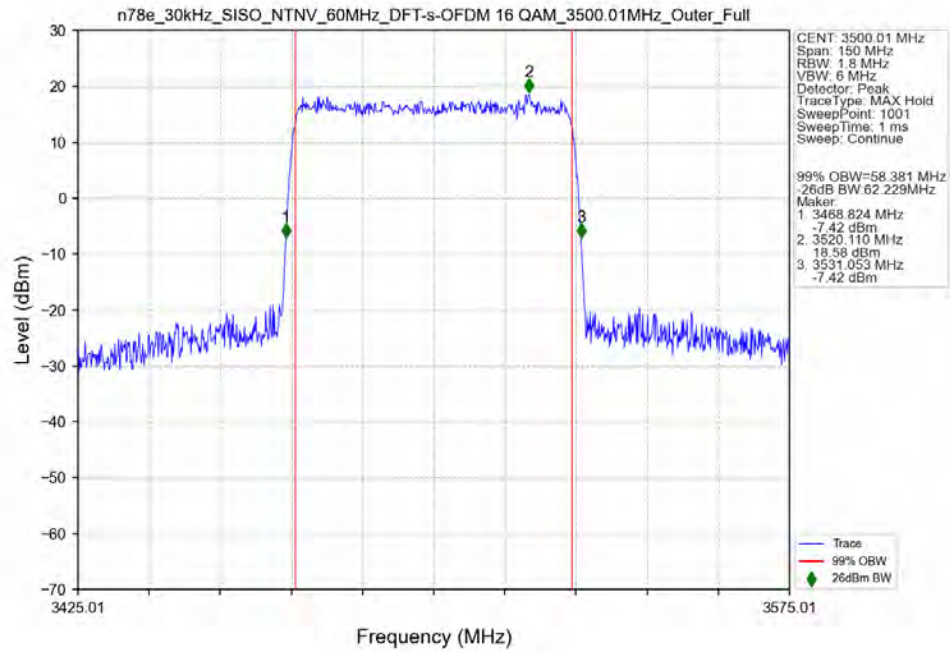
n78e 30kHz SISO NTN 50MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



3.2.8 30k_SISO_60MHz_NTNV



n78e_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



n78e_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant11

