

		Edge 1RB Right	16.69	/	/	17.65	/	/	<=30	Pass
		Outer_Full	16.84	/	/	17.80	/	/	<=30	Pass
		Inner_Full	16.95	/	/	17.91	/	/	<=30	Pass
		Inner_1RB Left	16.94	/	/	17.90	/	/	<=30	Pass
		Inner_1RB Right	16.68	/	/	17.64	/	/	<=30	Pass
	3475.02	Edge 1RB Left	16.85	/	/	17.81	/	/	<=30	Pass
		Edge 1RB Right	16.80	/	/	17.76	/	/	<=30	Pass
		Outer_Full	16.94	/	/	17.90	/	/	<=30	Pass
		Inner_Full	17.08	/	/	18.04	/	/	<=30	Pass
		Inner_1RB Left	16.84	/	/	17.80	/	/	<=30	Pass
	3525	Inner_1RB Right	16.74	/	/	17.70	/	/	<=30	Pass
		Edge 1RB Left	16.78	/	/	17.74	/	/	<=30	Pass
		Edge 1RB Right	16.97	/	/	17.93	/	/	<=30	Pass
		Outer_Full	16.79	/	/	17.75	/	/	<=30	Pass
		Inner_Full	16.83	/	/	17.79	/	/	<=30	Pass
		Inner_1RB Left	16.84	/	/	17.80	/	/	<=30	Pass
		Inner_1RB Right	16.96	/	/	17.92	/	/	<=30	Pass
Note1: Antenna Gain: Ant11: 0.96dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.8 30k_SISO_60MHz_NTNV_EIRP

5G NR n77d 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	3500.01	Edge 1RB Left	22.74	/	/	23.70	/	/	<=30	Pass
		Edge 1RB Right	22.54	/	/	23.50	/	/	<=30	Pass
		Outer_Full	22.74	/	/	23.70	/	/	<=30	Pass
		Inner_Full	23.29	/	/	24.25	/	/	<=30	Pass
		Inner 1RB Left	23.20	/	/	24.16	/	/	<=30	Pass
		Inner 1RB Right	23.03	/	/	23.99	/	/	<=30	Pass
	3480	Edge 1RB Left	22.58	/	/	23.54	/	/	<=30	Pass
		Edge 1RB Right	22.77	/	/	23.73	/	/	<=30	Pass
		Outer_Full	22.74	/	/	23.70	/	/	<=30	Pass
		Inner_Full	23.34	/	/	24.30	/	/	<=30	Pass
		Inner 1RB Left	23.09	/	/	24.05	/	/	<=30	Pass
		Inner 1RB Right	23.23	/	/	24.19	/	/	<=30	Pass
	3519.99	Edge 1RB Left	22.59	/	/	23.55	/	/	<=30	Pass
		Edge 1RB Right	22.91	/	/	23.87	/	/	<=30	Pass
		Outer_Full	22.78	/	/	23.74	/	/	<=30	Pass
		Inner_Full	23.28	/	/	24.24	/	/	<=30	Pass
		Inner 1RB Left	23.11	/	/	24.07	/	/	<=30	Pass
		Inner 1RB Right	23.45	/	/	24.41	/	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Edge 1RB Left	22.21	/	/	23.17	/	/	<=30	Pass
		Edge 1RB Right	21.95	/	/	22.91	/	/	<=30	Pass
		Outer_Full	22.26	/	/	23.22	/	/	<=30	Pass
		Inner_Full	23.26	/	/	24.22	/	/	<=30	Pass
		Inner 1RB Left	23.18	/	/	24.14	/	/	<=30	Pass
		Inner 1RB Right	22.98	/	/	23.94	/	/	<=30	Pass
	3480	Edge 1RB Left	22.07	/	/	23.03	/	/	<=30	Pass
		Edge 1RB Right	22.25	/	/	23.21	/	/	<=30	Pass
		Outer_Full	22.28	/	/	23.24	/	/	<=30	Pass
		Inner_Full	23.35	/	/	24.31	/	/	<=30	Pass
		Inner 1RB Left	23.08	/	/	24.04	/	/	<=30	Pass
		Inner 1RB Right	23.24	/	/	24.20	/	/	<=30	Pass
	3519.99	Edge 1RB Left	22.06	/	/	23.02	/	/	<=30	Pass
		Edge 1RB Right	22.36	/	/	23.32	/	/	<=30	Pass
		Outer_Full	22.27	/	/	23.23	/	/	<=30	Pass

		Inner_Full	23.26	/	/	24.22	/	/	<=30	Pass
		Inner_1RB_Left	23.08	/	/	24.04	/	/	<=30	Pass
		Inner_1RB_Right	23.41	/	/	24.37	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Edge_1RB_Left	21.02	/	/	21.98	/	/	<=30	Pass
		Edge_1RB_Right	20.78	/	/	21.74	/	/	<=30	Pass
		Outer_Full	21.22	/	/	22.18	/	/	<=30	Pass
		Inner_Full	22.27	/	/	23.23	/	/	<=30	Pass
		Inner_1RB_Left	22.07	/	/	23.03	/	/	<=30	Pass
		Inner_1RB_Right	21.81	/	/	22.77	/	/	<=30	Pass
		Edge_1RB_Left	21.07	/	/	22.03	/	/	<=30	Pass
	3480	Edge_1RB_Right	21.24	/	/	22.20	/	/	<=30	Pass
		Outer_Full	21.29	/	/	22.25	/	/	<=30	Pass
		Inner_Full	22.35	/	/	23.31	/	/	<=30	Pass
		Inner_1RB_Left	21.91	/	/	22.87	/	/	<=30	Pass
		Inner_1RB_Right	22.12	/	/	23.08	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.05	/	/	22.01	/	/	<=30	Pass
		Edge_1RB_Right	21.31	/	/	22.27	/	/	<=30	Pass
		Outer_Full	21.26	/	/	22.22	/	/	<=30	Pass
		Inner_Full	22.29	/	/	23.25	/	/	<=30	Pass
		Inner_1RB_Left	21.94	/	/	22.90	/	/	<=30	Pass
		Inner_1RB_Right	22.23	/	/	23.19	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Edge_1RB_Left	21.01	/	/	21.97	/	/	<=30	Pass
		Edge_1RB_Right	20.79	/	/	21.75	/	/	<=30	Pass
		Outer_Full	20.77	/	/	21.73	/	/	<=30	Pass
		Inner_Full	20.87	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Left	21.07	/	/	22.03	/	/	<=30	Pass
		Inner_1RB_Right	20.88	/	/	21.84	/	/	<=30	Pass
	3480	Edge_1RB_Left	20.91	/	/	21.87	/	/	<=30	Pass
		Edge_1RB_Right	20.96	/	/	21.92	/	/	<=30	Pass
		Outer_Full	20.82	/	/	21.78	/	/	<=30	Pass
		Inner_Full	20.92	/	/	21.88	/	/	<=30	Pass
		Inner_1RB_Left	20.96	/	/	21.92	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	20.97	/	/	21.93	/	/	<=30	Pass
		Edge_1RB_Left	20.92	/	/	21.88	/	/	<=30	Pass
		Edge_1RB_Right	21.16	/	/	22.12	/	/	<=30	Pass
		Outer_Full	20.79	/	/	21.75	/	/	<=30	Pass
		Inner_Full	20.91	/	/	21.87	/	/	<=30	Pass
		Inner_1RB_Left	20.86	/	/	21.82	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3500.01	Inner_1RB_Right	21.25	/	/	22.21	/	/	<=30	Pass
		Edge_1RB_Left	18.88	/	/	19.84	/	/	<=30	Pass
		Edge_1RB_Right	18.60	/	/	19.56	/	/	<=30	Pass
		Outer_Full	18.81	/	/	19.77	/	/	<=30	Pass
		Inner_Full	18.83	/	/	19.79	/	/	<=30	Pass
		Inner_1RB_Left	18.84	/	/	19.80	/	/	<=30	Pass
	3480	Inner_1RB_Right	18.64	/	/	19.60	/	/	<=30	Pass
		Edge_1RB_Left	18.78	/	/	19.74	/	/	<=30	Pass
		Edge_1RB_Right	18.91	/	/	19.87	/	/	<=30	Pass
		Outer_Full	18.85	/	/	19.81	/	/	<=30	Pass
		Inner_Full	18.90	/	/	19.86	/	/	<=30	Pass
		Inner_1RB_Left	18.72	/	/	19.68	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	18.87	/	/	19.83	/	/	<=30	Pass
		Edge_1RB_Left	18.74	/	/	19.70	/	/	<=30	Pass
		Edge_1RB_Right	19.00	/	/	19.96	/	/	<=30	Pass
		Outer_Full	18.81	/	/	19.77	/	/	<=30	Pass
		Inner_Full	18.84	/	/	19.80	/	/	<=30	Pass
		Inner_1RB_Left	18.71	/	/	19.67	/	/	<=30	Pass
CP-OFDM QPSK	3500.01	Inner_1RB_Right	19.03	/	/	19.99	/	/	<=30	Pass
		Edge_1RB_Left	20.21	/	/	21.17	/	/	<=30	Pass
		Edge_1RB_Right	19.99	/	/	20.95	/	/	<=30	Pass

		Outer_Full	20.24	/	/	21.20	/	/	<=30	Pass
		Inner_Full	21.72	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Left	21.84	/	/	22.80	/	/	<=30	Pass
		Inner_1RB_Right	21.53	/	/	22.49	/	/	<=30	Pass
	3480	Edge_1RB_Left	20.04	/	/	21.00	/	/	<=30	Pass
		Edge_1RB_Right	20.27	/	/	21.23	/	/	<=30	Pass
		Outer_Full	20.25	/	/	21.21	/	/	<=30	Pass
		Inner_Full	21.87	/	/	22.83	/	/	<=30	Pass
		Inner_1RB_Left	21.62	/	/	22.58	/	/	<=30	Pass
		Inner_1RB_Right	21.79	/	/	22.75	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	20.09	/	/	21.05	/	/	<=30	Pass
		Edge_1RB_Right	20.33	/	/	21.29	/	/	<=30	Pass
		Outer_Full	20.27	/	/	21.23	/	/	<=30	Pass
		Inner_Full	21.76	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Left	21.63	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Right	21.86	/	/	22.82	/	/	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	20.22	/	/	21.18	/	/	<=30	Pass
		Edge_1RB_Right	19.77	/	/	20.73	/	/	<=30	Pass
		Outer_Full	20.23	/	/	21.19	/	/	<=30	Pass
		Inner_Full	21.23	/	/	22.19	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	22.15	/	/	<=30	Pass
		Inner_1RB_Right	20.83	/	/	21.79	/	/	<=30	Pass
	3480	Edge_1RB_Left	20.01	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	20.21	/	/	21.17	/	/	<=30	Pass
		Outer_Full	20.28	/	/	21.24	/	/	<=30	Pass
		Inner_Full	21.31	/	/	22.27	/	/	<=30	Pass
		Inner_1RB_Left	21.02	/	/	21.98	/	/	<=30	Pass
		Inner_1RB_Right	21.07	/	/	22.03	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	19.91	/	/	20.87	/	/	<=30	Pass
		Edge_1RB_Right	20.34	/	/	21.30	/	/	<=30	Pass
		Outer_Full	20.27	/	/	21.23	/	/	<=30	Pass
		Inner_Full	21.28	/	/	22.24	/	/	<=30	Pass
		Inner_1RB_Left	20.95	/	/	21.91	/	/	<=30	Pass
		Inner_1RB_Right	21.32	/	/	22.28	/	/	<=30	Pass
CP-OFDM 64 QAM	3500.01	Edge_1RB_Left	20.05	/	/	21.01	/	/	<=30	Pass
		Edge_1RB_Right	19.77	/	/	20.73	/	/	<=30	Pass
		Outer_Full	19.77	/	/	20.73	/	/	<=30	Pass
		Inner_Full	19.83	/	/	20.79	/	/	<=30	Pass
		Inner_1RB_Left	20.07	/	/	21.03	/	/	<=30	Pass
		Inner_1RB_Right	19.76	/	/	20.72	/	/	<=30	Pass
	3480	Edge_1RB_Left	19.88	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	20.05	/	/	21.01	/	/	<=30	Pass
		Outer_Full	19.80	/	/	20.76	/	/	<=30	Pass
		Inner_Full	19.91	/	/	20.87	/	/	<=30	Pass
		Inner_1RB_Left	19.91	/	/	20.87	/	/	<=30	Pass
		Inner_1RB_Right	20.06	/	/	21.02	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	19.88	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	20.22	/	/	21.18	/	/	<=30	Pass
		Outer_Full	19.79	/	/	20.75	/	/	<=30	Pass
		Inner_Full	19.82	/	/	20.78	/	/	<=30	Pass
		Inner_1RB_Left	19.89	/	/	20.85	/	/	<=30	Pass
		Inner_1RB_Right	20.14	/	/	21.10	/	/	<=30	Pass
CP-OFDM 256 QAM	3500.01	Edge_1RB_Left	16.95	/	/	17.91	/	/	<=30	Pass
		Edge_1RB_Right	16.64	/	/	17.60	/	/	<=30	Pass
		Outer_Full	16.83	/	/	17.79	/	/	<=30	Pass
		Inner_Full	16.86	/	/	17.82	/	/	<=30	Pass
		Inner_1RB_Left	16.94	/	/	17.90	/	/	<=30	Pass
		Inner_1RB_Right	16.68	/	/	17.64	/	/	<=30	Pass
	3480	Edge_1RB_Left	16.87	/	/	17.83	/	/	<=30	Pass

		Edge 1RB Right	16.99	/	/	17.95	/	/	<=30	Pass
		Outer_Full	16.91	/	/	17.87	/	/	<=30	Pass
		Inner_Full	16.96	/	/	17.92	/	/	<=30	Pass
		Inner 1RB Left	16.84	/	/	17.80	/	/	<=30	Pass
		Inner 1RB Right	16.97	/	/	17.93	/	/	<=30	Pass
	3519.99	Edge 1RB Left	16.80	/	/	17.76	/	/	<=30	Pass
		Edge 1RB Right	17.07	/	/	18.03	/	/	<=30	Pass
		Outer_Full	16.83	/	/	17.79	/	/	<=30	Pass
		Inner_Full	16.85	/	/	17.81	/	/	<=30	Pass
		Inner 1RB Left	16.78	/	/	17.74	/	/	<=30	Pass
		Inner 1RB Right	17.09	/	/	18.05	/	/	<=30	Pass
Note1: Antenna Gain: Ant11: 0.96dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.9 30k_SISO_70MHz_NTNV_EIRP

5G NR n77d 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	3500.01	Edge 1RB Left	22.67	/	/	23.63	/	/	<=30	Pass
		Edge 1RB Right	22.40	/	/	23.36	/	/	<=30	Pass
		Outer_Full	22.71	/	/	23.67	/	/	<=30	Pass
		Inner_Full	23.17	/	/	24.13	/	/	<=30	Pass
		Inner 1RB Left	23.20	/	/	24.16	/	/	<=30	Pass
		Inner 1RB Right	22.98	/	/	23.94	/	/	<=30	Pass
	3485.01	Edge 1RB Left	22.65	/	/	23.61	/	/	<=30	Pass
		Edge 1RB Right	22.57	/	/	23.53	/	/	<=30	Pass
		Outer_Full	22.74	/	/	23.70	/	/	<=30	Pass
		Inner_Full	23.29	/	/	24.25	/	/	<=30	Pass
		Inner 1RB Left	23.12	/	/	24.08	/	/	<=30	Pass
		Inner 1RB Right	23.08	/	/	24.04	/	/	<=30	Pass
	3514.98	Edge 1RB Left	22.67	/	/	23.63	/	/	<=30	Pass
		Edge 1RB Right	22.85	/	/	23.81	/	/	<=30	Pass
		Outer_Full	22.74	/	/	23.70	/	/	<=30	Pass
		Inner_Full	23.26	/	/	24.22	/	/	<=30	Pass
		Inner 1RB Left	23.18	/	/	24.14	/	/	<=30	Pass
		Inner 1RB Right	23.42	/	/	24.38	/	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Edge 1RB Left	22.21	/	/	23.17	/	/	<=30	Pass
		Edge 1RB Right	21.91	/	/	22.87	/	/	<=30	Pass
		Outer_Full	22.24	/	/	23.20	/	/	<=30	Pass
		Inner_Full	23.20	/	/	24.16	/	/	<=30	Pass
		Inner 1RB Left	23.14	/	/	24.10	/	/	<=30	Pass
		Inner 1RB Right	22.88	/	/	23.84	/	/	<=30	Pass
	3485.01	Edge 1RB Left	22.16	/	/	23.12	/	/	<=30	Pass
		Edge 1RB Right	22.04	/	/	23.00	/	/	<=30	Pass
		Outer_Full	22.20	/	/	23.16	/	/	<=30	Pass
		Inner_Full	23.25	/	/	24.21	/	/	<=30	Pass
		Inner 1RB Left	23.09	/	/	24.05	/	/	<=30	Pass
		Inner 1RB Right	23.04	/	/	24.00	/	/	<=30	Pass
	3514.98	Edge 1RB Left	22.16	/	/	23.12	/	/	<=30	Pass
		Edge 1RB Right	22.32	/	/	23.28	/	/	<=30	Pass
		Outer_Full	22.23	/	/	23.19	/	/	<=30	Pass
		Inner_Full	23.25	/	/	24.21	/	/	<=30	Pass
		Inner 1RB Left	23.14	/	/	24.10	/	/	<=30	Pass
		Inner 1RB Right	23.36	/	/	24.32	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Edge 1RB Left	20.98	/	/	21.94	/	/	<=30	Pass
		Edge 1RB Right	20.90	/	/	21.86	/	/	<=30	Pass
		Outer_Full	21.24	/	/	22.20	/	/	<=30	Pass

		Inner_Full	22.20	/	/	23.16	/	/	<=30	Pass
		Inner_1RB_Left	22.06	/	/	23.02	/	/	<=30	Pass
		Inner_1RB_Right	21.67	/	/	22.63	/	/	<=30	Pass
	3485.01	Edge_1RB_Left	21.13	/	/	22.09	/	/	<=30	Pass
		Edge_1RB_Right	20.89	/	/	21.85	/	/	<=30	Pass
		Outer_Full	21.25	/	/	22.21	/	/	<=30	Pass
		Inner_Full	22.25	/	/	23.21	/	/	<=30	Pass
		Inner_1RB_Left	21.92	/	/	22.88	/	/	<=30	Pass
		Inner_1RB_Right	21.88	/	/	22.84	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	20.98	/	/	21.94	/	/	<=30	Pass
		Edge_1RB_Right	21.29	/	/	22.25	/	/	<=30	Pass
		Outer_Full	21.20	/	/	22.16	/	/	<=30	Pass
		Inner_Full	22.28	/	/	23.24	/	/	<=30	Pass
		Inner_1RB_Left	22.03	/	/	22.99	/	/	<=30	Pass
		Inner_1RB_Right	22.20	/	/	23.16	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Edge_1RB_Left	20.99	/	/	21.95	/	/	<=30	Pass
		Edge_1RB_Right	20.69	/	/	21.65	/	/	<=30	Pass
		Outer_Full	20.73	/	/	21.69	/	/	<=30	Pass
		Inner_Full	20.73	/	/	21.69	/	/	<=30	Pass
		Inner_1RB_Left	21.00	/	/	21.96	/	/	<=30	Pass
		Inner_1RB_Right	20.70	/	/	21.66	/	/	<=30	Pass
	3485.01	Edge_1RB_Left	20.93	/	/	21.89	/	/	<=30	Pass
		Edge_1RB_Right	20.79	/	/	21.75	/	/	<=30	Pass
		Outer_Full	20.76	/	/	21.72	/	/	<=30	Pass
		Inner_Full	20.80	/	/	21.76	/	/	<=30	Pass
		Inner_1RB_Left	20.89	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Right	20.79	/	/	21.75	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	20.93	/	/	21.89	/	/	<=30	Pass
		Edge_1RB_Right	21.16	/	/	22.12	/	/	<=30	Pass
		Outer_Full	20.74	/	/	21.70	/	/	<=30	Pass
		Inner_Full	20.81	/	/	21.77	/	/	<=30	Pass
		Inner_1RB_Left	20.95	/	/	21.91	/	/	<=30	Pass
		Inner_1RB_Right	21.11	/	/	22.07	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3500.01	Edge_1RB_Left	18.82	/	/	19.78	/	/	<=30	Pass
		Edge_1RB_Right	18.55	/	/	19.51	/	/	<=30	Pass
		Outer_Full	18.75	/	/	19.71	/	/	<=30	Pass
		Inner_Full	18.79	/	/	19.75	/	/	<=30	Pass
		Inner_1RB_Left	18.82	/	/	19.78	/	/	<=30	Pass
		Inner_1RB_Right	18.52	/	/	19.48	/	/	<=30	Pass
	3485.01	Edge_1RB_Left	18.77	/	/	19.73	/	/	<=30	Pass
		Edge_1RB_Right	18.60	/	/	19.56	/	/	<=30	Pass
		Outer_Full	18.79	/	/	19.75	/	/	<=30	Pass
		Inner_Full	18.87	/	/	19.83	/	/	<=30	Pass
		Inner_1RB_Left	18.78	/	/	19.74	/	/	<=30	Pass
		Inner_1RB_Right	18.68	/	/	19.64	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	18.79	/	/	19.75	/	/	<=30	Pass
		Edge_1RB_Right	18.99	/	/	19.95	/	/	<=30	Pass
		Outer_Full	18.79	/	/	19.75	/	/	<=30	Pass
		Inner_Full	18.89	/	/	19.85	/	/	<=30	Pass
		Inner_1RB_Left	18.81	/	/	19.77	/	/	<=30	Pass
		Inner_1RB_Right	18.97	/	/	19.93	/	/	<=30	Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	20.17	/	/	21.13	/	/	<=30	Pass
		Edge_1RB_Right	20.06	/	/	21.02	/	/	<=30	Pass
		Outer_Full	20.21	/	/	21.17	/	/	<=30	Pass
		Inner_Full	21.63	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Left	21.76	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Right	21.43	/	/	22.39	/	/	<=30	Pass
	3485.01	Edge_1RB_Left	20.18	/	/	21.14	/	/	<=30	Pass
		Edge_1RB_Right	20.12	/	/	21.08	/	/	<=30	Pass

		Outer_Full	20.21	/	/	21.17	/	/	<=30	Pass
		Inner_Full	21.66	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Left	21.59	/	/	22.55	/	/	<=30	Pass
		Inner_1RB_Right	21.59	/	/	22.55	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	20.19	/	/	21.15	/	/	<=30	Pass
		Edge_1RB_Right	20.38	/	/	21.34	/	/	<=30	Pass
		Outer_Full	20.23	/	/	21.19	/	/	<=30	Pass
		Inner_Full	21.71	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Left	21.69	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Right	21.84	/	/	22.80	/	/	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	20.10	/	/	21.06	/	/	<=30	Pass
		Edge_1RB_Right	19.94	/	/	20.90	/	/	<=30	Pass
		Outer_Full	20.22	/	/	21.18	/	/	<=30	Pass
		Inner_Full	21.21	/	/	22.17	/	/	<=30	Pass
		Inner_1RB_Left	21.01	/	/	21.97	/	/	<=30	Pass
		Inner_1RB_Right	20.75	/	/	21.71	/	/	<=30	Pass
	3485.01	Edge_1RB_Left	20.04	/	/	21.00	/	/	<=30	Pass
		Edge_1RB_Right	19.85	/	/	20.81	/	/	<=30	Pass
		Outer_Full	20.24	/	/	21.20	/	/	<=30	Pass
		Inner_Full	21.23	/	/	22.19	/	/	<=30	Pass
		Inner_1RB_Left	21.04	/	/	22.00	/	/	<=30	Pass
		Inner_1RB_Right	20.91	/	/	21.87	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	20.12	/	/	21.08	/	/	<=30	Pass
		Edge_1RB_Right	20.37	/	/	21.33	/	/	<=30	Pass
		Outer_Full	20.27	/	/	21.23	/	/	<=30	Pass
		Inner_Full	21.24	/	/	22.20	/	/	<=30	Pass
		Inner_1RB_Left	21.04	/	/	22.00	/	/	<=30	Pass
		Inner_1RB_Right	21.21	/	/	22.17	/	/	<=30	Pass
CP-OFDM 64 QAM	3500.01	Edge_1RB_Left	19.95	/	/	20.91	/	/	<=30	Pass
		Edge_1RB_Right	19.76	/	/	20.72	/	/	<=30	Pass
		Outer_Full	19.66	/	/	20.62	/	/	<=30	Pass
		Inner_Full	19.75	/	/	20.71	/	/	<=30	Pass
		Inner_1RB_Left	20.06	/	/	21.02	/	/	<=30	Pass
		Inner_1RB_Right	19.66	/	/	20.62	/	/	<=30	Pass
	3485.01	Edge_1RB_Left	19.92	/	/	20.88	/	/	<=30	Pass
		Edge_1RB_Right	19.92	/	/	20.88	/	/	<=30	Pass
		Outer_Full	19.76	/	/	20.72	/	/	<=30	Pass
		Inner_Full	19.80	/	/	20.76	/	/	<=30	Pass
		Inner_1RB_Left	19.95	/	/	20.91	/	/	<=30	Pass
		Inner_1RB_Right	19.81	/	/	20.77	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	19.94	/	/	20.90	/	/	<=30	Pass
		Edge_1RB_Right	20.11	/	/	21.07	/	/	<=30	Pass
		Outer_Full	19.74	/	/	20.70	/	/	<=30	Pass
		Inner_Full	19.78	/	/	20.74	/	/	<=30	Pass
		Inner_1RB_Left	19.95	/	/	20.91	/	/	<=30	Pass
		Inner_1RB_Right	20.14	/	/	21.10	/	/	<=30	Pass
CP-OFDM 256 QAM	3500.01	Edge_1RB_Left	16.94	/	/	17.90	/	/	<=30	Pass
		Edge_1RB_Right	16.65	/	/	17.61	/	/	<=30	Pass
		Outer_Full	16.73	/	/	17.69	/	/	<=30	Pass
		Inner_Full	16.82	/	/	17.78	/	/	<=30	Pass
		Inner_1RB_Left	16.96	/	/	17.92	/	/	<=30	Pass
		Inner_1RB_Right	16.67	/	/	17.63	/	/	<=30	Pass
	3485.01	Edge_1RB_Left	16.90	/	/	17.86	/	/	<=30	Pass
		Edge_1RB_Right	16.78	/	/	17.74	/	/	<=30	Pass
		Outer_Full	16.88	/	/	17.84	/	/	<=30	Pass
		Inner_Full	16.87	/	/	17.83	/	/	<=30	Pass
		Inner_1RB_Left	16.90	/	/	17.86	/	/	<=30	Pass
		Inner_1RB_Right	16.81	/	/	17.77	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	16.93	/	/	17.89	/	/	<=30	Pass

		Edge 1RB Right	17.09	/	/	18.05	/	/	<=30	Pass
		Outer Full	16.79	/	/	17.75	/	/	<=30	Pass
		Inner Full	16.84	/	/	17.80	/	/	<=30	Pass
		Inner 1RB Left	16.92	/	/	17.88	/	/	<=30	Pass
		Inner 1RB Right	17.09	/	/	18.05	/	/	<=30	Pass
Note1: Antenna Gain: Ant11: 0.96dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.10 30k_SISO_80MHz_NTNV_EIRP

5G NR n77d 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	3500.01	Edge 1RB Left	22.64	/	/	23.60	/	/	<=30	Pass
		Edge 1RB Right	22.57	/	/	23.53	/	/	<=30	Pass
		Outer Full	22.67	/	/	23.63	/	/	<=30	Pass
		Inner Full	23.22	/	/	24.18	/	/	<=30	Pass
		Inner 1RB Left	23.12	/	/	24.08	/	/	<=30	Pass
		Inner 1RB Right	23.13	/	/	24.09	/	/	<=30	Pass
	3490.02	Edge 1RB Left	22.60	/	/	23.56	/	/	<=30	Pass
		Edge 1RB Right	22.45	/	/	23.41	/	/	<=30	Pass
		Outer Full	22.71	/	/	23.67	/	/	<=30	Pass
		Inner Full	23.27	/	/	24.23	/	/	<=30	Pass
		Inner 1RB Left	23.13	/	/	24.09	/	/	<=30	Pass
		Inner 1RB Right	23.00	/	/	23.96	/	/	<=30	Pass
	3510	Edge 1RB Left	22.75	/	/	23.71	/	/	<=30	Pass
		Edge 1RB Right	22.88	/	/	23.84	/	/	<=30	Pass
		Outer Full	22.74	/	/	23.70	/	/	<=30	Pass
		Inner Full	23.24	/	/	24.20	/	/	<=30	Pass
		Inner 1RB Left	23.29	/	/	24.25	/	/	<=30	Pass
		Inner 1RB Right	23.41	/	/	24.37	/	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Edge 1RB Left	22.10	/	/	23.06	/	/	<=30	Pass
		Edge 1RB Right	22.05	/	/	23.01	/	/	<=30	Pass
		Outer Full	22.15	/	/	23.11	/	/	<=30	Pass
		Inner Full	23.22	/	/	24.18	/	/	<=30	Pass
		Inner 1RB Left	23.09	/	/	24.05	/	/	<=30	Pass
		Inner 1RB Right	23.11	/	/	24.07	/	/	<=30	Pass
	3490.02	Edge 1RB Left	22.13	/	/	23.09	/	/	<=30	Pass
		Edge 1RB Right	21.92	/	/	22.88	/	/	<=30	Pass
		Outer Full	22.22	/	/	23.18	/	/	<=30	Pass
		Inner Full	23.27	/	/	24.23	/	/	<=30	Pass
		Inner 1RB Left	23.08	/	/	24.04	/	/	<=30	Pass
		Inner 1RB Right	22.95	/	/	23.91	/	/	<=30	Pass
	3510	Edge 1RB Left	22.29	/	/	23.25	/	/	<=30	Pass
		Edge 1RB Right	22.35	/	/	23.31	/	/	<=30	Pass
		Outer Full	22.21	/	/	23.17	/	/	<=30	Pass
		Inner Full	23.23	/	/	24.19	/	/	<=30	Pass
		Inner 1RB Left	23.30	/	/	24.26	/	/	<=30	Pass
		Inner 1RB Right	23.39	/	/	24.35	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Edge 1RB Left	21.14	/	/	22.10	/	/	<=30	Pass
		Edge 1RB Right	20.87	/	/	21.83	/	/	<=30	Pass
		Outer Full	21.20	/	/	22.16	/	/	<=30	Pass
		Inner Full	22.23	/	/	23.19	/	/	<=30	Pass
		Inner 1RB Left	21.92	/	/	22.88	/	/	<=30	Pass
		Inner 1RB Right	21.93	/	/	22.89	/	/	<=30	Pass
	3490.02	Edge 1RB Left	20.96	/	/	21.92	/	/	<=30	Pass
		Edge 1RB Right	20.97	/	/	21.93	/	/	<=30	Pass
		Outer Full	21.25	/	/	22.21	/	/	<=30	Pass

		Inner_Full	22.29	/	/	23.25	/	/	<=30	Pass
		Inner_1RB_Left	21.84	/	/	22.80	/	/	<=30	Pass
		Inner_1RB_Right	21.83	/	/	22.79	/	/	<=30	Pass
	3510	Edge_1RB_Left	21.15	/	/	22.11	/	/	<=30	Pass
		Edge_1RB_Right	21.16	/	/	22.12	/	/	<=30	Pass
		Outer_Full	21.23	/	/	22.19	/	/	<=30	Pass
		Inner_Full	22.24	/	/	23.20	/	/	<=30	Pass
		Inner_1RB_Left	22.05	/	/	23.01	/	/	<=30	Pass
		Inner_1RB_Right	22.17	/	/	23.13	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Edge_1RB_Left	20.91	/	/	21.87	/	/	<=30	Pass
		Edge_1RB_Right	20.89	/	/	21.85	/	/	<=30	Pass
		Outer_Full	20.76	/	/	21.72	/	/	<=30	Pass
		Inner_Full	20.76	/	/	21.72	/	/	<=30	Pass
		Inner_1RB_Left	20.90	/	/	21.86	/	/	<=30	Pass
		Inner_1RB_Right	20.88	/	/	21.84	/	/	<=30	Pass
	3490.02	Edge_1RB_Left	20.96	/	/	21.92	/	/	<=30	Pass
		Edge_1RB_Right	20.76	/	/	21.72	/	/	<=30	Pass
		Outer_Full	20.78	/	/	21.74	/	/	<=30	Pass
		Inner_Full	20.84	/	/	21.80	/	/	<=30	Pass
		Inner_1RB_Left	20.90	/	/	21.86	/	/	<=30	Pass
		Inner_1RB_Right	20.81	/	/	21.77	/	/	<=30	Pass
	3510	Edge_1RB_Left	21.09	/	/	22.05	/	/	<=30	Pass
		Edge_1RB_Right	21.15	/	/	22.11	/	/	<=30	Pass
		Outer_Full	20.77	/	/	21.73	/	/	<=30	Pass
		Inner_Full	20.79	/	/	21.75	/	/	<=30	Pass
		Inner_1RB_Left	21.08	/	/	22.04	/	/	<=30	Pass
		Inner_1RB_Right	21.13	/	/	22.09	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3500.01	Edge_1RB_Left	18.74	/	/	19.70	/	/	<=30	Pass
		Edge_1RB_Right	18.68	/	/	19.64	/	/	<=30	Pass
		Outer_Full	18.80	/	/	19.76	/	/	<=30	Pass
		Inner_Full	18.83	/	/	19.79	/	/	<=30	Pass
		Inner_1RB_Left	18.79	/	/	19.75	/	/	<=30	Pass
		Inner_1RB_Right	18.69	/	/	19.65	/	/	<=30	Pass
	3490.02	Edge_1RB_Left	18.72	/	/	19.68	/	/	<=30	Pass
		Edge_1RB_Right	18.58	/	/	19.54	/	/	<=30	Pass
		Outer_Full	18.85	/	/	19.81	/	/	<=30	Pass
		Inner_Full	18.84	/	/	19.80	/	/	<=30	Pass
		Inner_1RB_Left	18.77	/	/	19.73	/	/	<=30	Pass
		Inner_1RB_Right	18.57	/	/	19.53	/	/	<=30	Pass
	3510	Edge_1RB_Left	18.94	/	/	19.90	/	/	<=30	Pass
		Edge_1RB_Right	18.97	/	/	19.93	/	/	<=30	Pass
		Outer_Full	18.77	/	/	19.73	/	/	<=30	Pass
		Inner_Full	18.85	/	/	19.81	/	/	<=30	Pass
		Inner_1RB_Left	18.96	/	/	19.92	/	/	<=30	Pass
		Inner_1RB_Right	18.98	/	/	19.94	/	/	<=30	Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	20.16	/	/	21.12	/	/	<=30	Pass
		Edge_1RB_Right	20.10	/	/	21.06	/	/	<=30	Pass
		Outer_Full	20.15	/	/	21.11	/	/	<=30	Pass
		Inner_Full	21.69	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Left	21.65	/	/	22.61	/	/	<=30	Pass
		Inner_1RB_Right	21.47	/	/	22.43	/	/	<=30	Pass
	3490.02	Edge_1RB_Left	20.14	/	/	21.10	/	/	<=30	Pass
		Edge_1RB_Right	19.87	/	/	20.83	/	/	<=30	Pass
		Outer_Full	20.21	/	/	21.17	/	/	<=30	Pass
		Inner_Full	21.75	/	/	22.71	/	/	<=30	Pass
		Inner_1RB_Left	21.60	/	/	22.56	/	/	<=30	Pass
		Inner_1RB_Right	21.44	/	/	22.40	/	/	<=30	Pass
	3510	Edge_1RB_Left	20.26	/	/	21.22	/	/	<=30	Pass
		Edge_1RB_Right	20.28	/	/	21.24	/	/	<=30	Pass

		Outer_Full	20.23	/	/	21.19	/	/	<=30	Pass	
		Inner_Full	21.71	/	/	22.67	/	/	<=30	Pass	
		Inner_1RB_Left	21.80	/	/	22.76	/	/	<=30	Pass	
		Inner_1RB_Right	21.74	/	/	22.70	/	/	<=30	Pass	
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	19.97	/	/	20.93	/	/	<=30	Pass	
		Edge_1RB_Right	20.05	/	/	21.01	/	/	<=30	Pass	
		Outer_Full	20.16	/	/	21.12	/	/	<=30	Pass	
		Inner_Full	21.23	/	/	22.19	/	/	<=30	Pass	
		Inner_1RB_Left	20.99	/	/	21.95	/	/	<=30	Pass	
		Inner_1RB_Right	20.88	/	/	21.84	/	/	<=30	Pass	
		3490.02	Edge_1RB_Left	19.94	/	/	20.90	/	/	<=30	Pass
			Edge_1RB_Right	19.77	/	/	20.73	/	/	<=30	Pass
	Outer_Full		20.25	/	/	21.21	/	/	<=30	Pass	
	Inner_Full		21.27	/	/	22.23	/	/	<=30	Pass	
	Inner_1RB_Left		21.01	/	/	21.97	/	/	<=30	Pass	
	Inner_1RB_Right		20.91	/	/	21.87	/	/	<=30	Pass	
	3510	Edge_1RB_Left	20.17	/	/	21.13	/	/	<=30	Pass	
		Edge_1RB_Right	20.18	/	/	21.14	/	/	<=30	Pass	
		Outer_Full	20.24	/	/	21.20	/	/	<=30	Pass	
		Inner_Full	21.24	/	/	22.20	/	/	<=30	Pass	
		Inner_1RB_Left	21.19	/	/	22.15	/	/	<=30	Pass	
		Inner_1RB_Right	21.26	/	/	22.22	/	/	<=30	Pass	
	CP-OFDM 64 QAM	3500.01	Edge_1RB_Left	19.96	/	/	20.92	/	/	<=30	Pass
			Edge_1RB_Right	19.87	/	/	20.83	/	/	<=30	Pass
Outer_Full			19.74	/	/	20.70	/	/	<=30	Pass	
Inner_Full			19.81	/	/	20.77	/	/	<=30	Pass	
Inner_1RB_Left			19.93	/	/	20.89	/	/	<=30	Pass	
Inner_1RB_Right			19.85	/	/	20.81	/	/	<=30	Pass	
3490.02		Edge_1RB_Left	19.92	/	/	20.88	/	/	<=30	Pass	
		Edge_1RB_Right	19.82	/	/	20.78	/	/	<=30	Pass	
		Outer_Full	19.81	/	/	20.77	/	/	<=30	Pass	
		Inner_Full	19.83	/	/	20.79	/	/	<=30	Pass	
		Inner_1RB_Left	19.92	/	/	20.88	/	/	<=30	Pass	
		Inner_1RB_Right	19.80	/	/	20.76	/	/	<=30	Pass	
3510		Edge_1RB_Left	20.19	/	/	21.15	/	/	<=30	Pass	
		Edge_1RB_Right	20.13	/	/	21.09	/	/	<=30	Pass	
		Outer_Full	19.78	/	/	20.74	/	/	<=30	Pass	
		Inner_Full	19.80	/	/	20.76	/	/	<=30	Pass	
	Inner_1RB_Left	20.06	/	/	21.02	/	/	<=30	Pass		
	Inner_1RB_Right	20.16	/	/	21.12	/	/	<=30	Pass		
CP-OFDM 256 QAM	3500.01	Edge_1RB_Left	16.89	/	/	17.85	/	/	<=30	Pass	
		Edge_1RB_Right	16.83	/	/	17.79	/	/	<=30	Pass	
		Outer_Full	16.78	/	/	17.74	/	/	<=30	Pass	
		Inner_Full	16.81	/	/	17.77	/	/	<=30	Pass	
		Inner_1RB_Left	16.94	/	/	17.90	/	/	<=30	Pass	
		Inner_1RB_Right	16.83	/	/	17.79	/	/	<=30	Pass	
	3490.02	Edge_1RB_Left	16.86	/	/	17.82	/	/	<=30	Pass	
		Edge_1RB_Right	16.70	/	/	17.66	/	/	<=30	Pass	
		Outer_Full	16.86	/	/	17.82	/	/	<=30	Pass	
		Inner_Full	16.86	/	/	17.82	/	/	<=30	Pass	
		Inner_1RB_Left	16.88	/	/	17.84	/	/	<=30	Pass	
		Inner_1RB_Right	16.70	/	/	17.66	/	/	<=30	Pass	
	3510	Edge_1RB_Left	17.05	/	/	18.01	/	/	<=30	Pass	
		Edge_1RB_Right	17.08	/	/	18.04	/	/	<=30	Pass	
		Outer_Full	16.84	/	/	17.80	/	/	<=30	Pass	
		Inner_Full	16.93	/	/	17.89	/	/	<=30	Pass	
Inner_1RB_Left		17.11	/	/	18.07	/	/	<=30	Pass		
Inner_1RB_Right		17.11	/	/	18.07	/	/	<=30	Pass		
Note1: Antenna Gain: Ant11: 0.96dBi:											

Note2: EIRP=Conducted Power+Antenna Gain

1.1.11 30k_SISO_90MHz_NTNV_EIRP

5G NR n77d 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	3500.01	Edge_1RB_Left	22.55	/	/	23.51	/	/	<=30	Pass
		Edge_1RB_Right	22.68	/	/	23.64	/	/	<=30	Pass
		Outer_Full	22.71	/	/	23.67	/	/	<=30	Pass
		Inner_Full	23.22	/	/	24.18	/	/	<=30	Pass
		Inner_1RB_Left	23.06	/	/	24.02	/	/	<=30	Pass
		Inner_1RB_Right	23.22	/	/	24.18	/	/	<=30	Pass
	3495	Edge_1RB_Left	22.68	/	/	23.64	/	/	<=30	Pass
		Edge_1RB_Right	22.55	/	/	23.51	/	/	<=30	Pass
		Outer_Full	22.67	/	/	23.63	/	/	<=30	Pass
		Inner_Full	23.26	/	/	24.22	/	/	<=30	Pass
		Inner_1RB_Left	23.14	/	/	24.10	/	/	<=30	Pass
		Inner_1RB_Right	23.07	/	/	24.03	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	22.60	/	/	23.56	/	/	<=30	Pass
		Edge_1RB_Right	22.82	/	/	23.78	/	/	<=30	Pass
		Outer_Full	22.76	/	/	23.72	/	/	<=30	Pass
		Inner_Full	23.26	/	/	24.22	/	/	<=30	Pass
		Inner_1RB_Left	23.10	/	/	24.06	/	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Inner_1RB_Right	23.32	/	/	24.28	/	/	<=30	Pass
		Edge_1RB_Left	21.95	/	/	22.91	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	23.07	/	/	<=30	Pass
		Outer_Full	22.16	/	/	23.12	/	/	<=30	Pass
		Inner_Full	23.22	/	/	24.18	/	/	<=30	Pass
		Inner_1RB_Left	22.98	/	/	23.94	/	/	<=30	Pass
	3495	Inner_1RB_Right	23.19	/	/	24.15	/	/	<=30	Pass
		Edge_1RB_Left	22.14	/	/	23.10	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	22.95	/	/	<=30	Pass
		Outer_Full	22.19	/	/	23.15	/	/	<=30	Pass
		Inner_Full	23.22	/	/	24.18	/	/	<=30	Pass
	3504.99	Inner_1RB_Left	23.09	/	/	24.05	/	/	<=30	Pass
		Inner_1RB_Right	23.04	/	/	24.00	/	/	<=30	Pass
		Edge_1RB_Left	22.06	/	/	23.02	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	23.28	/	/	<=30	Pass
		Outer_Full	22.21	/	/	23.17	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Inner_Full	23.28	/	/	24.24	/	/	<=30	Pass
		Inner_1RB_Left	23.05	/	/	24.01	/	/	<=30	Pass
		Inner_1RB_Right	23.34	/	/	24.30	/	/	<=30	Pass
		Edge_1RB_Left	20.97	/	/	21.93	/	/	<=30	Pass
		Edge_1RB_Right	21.19	/	/	22.15	/	/	<=30	Pass
		Outer_Full	21.19	/	/	22.15	/	/	<=30	Pass
	3495	Inner_Full	22.26	/	/	23.22	/	/	<=30	Pass
		Inner_1RB_Left	21.85	/	/	22.81	/	/	<=30	Pass
		Inner_1RB_Right	21.91	/	/	22.87	/	/	<=30	Pass
		Edge_1RB_Left	21.15	/	/	22.11	/	/	<=30	Pass
		Edge_1RB_Right	20.95	/	/	21.91	/	/	<=30	Pass
	3504.99	Outer_Full	21.20	/	/	22.16	/	/	<=30	Pass
		Inner_Full	22.24	/	/	23.20	/	/	<=30	Pass
		Inner_1RB_Left	22.01	/	/	22.97	/	/	<=30	Pass
		Inner_1RB_Right	21.85	/	/	22.81	/	/	<=30	Pass
		Edge_1RB_Left	21.08	/	/	22.04	/	/	<=30	Pass
		Edge_1RB_Right	21.29	/	/	22.25	/	/	<=30	Pass

		Outer_Full	21.25	/	/	22.21	/	/	<=30	Pass
		Inner_Full	22.26	/	/	23.22	/	/	<=30	Pass
		Inner_1RB_Left	21.90	/	/	22.86	/	/	<=30	Pass
		Inner_1RB_Right	22.20	/	/	23.16	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Edge_1RB_Left	20.83	/	/	21.79	/	/	<=30	Pass
		Edge_1RB_Right	21.00	/	/	21.96	/	/	<=30	Pass
		Outer_Full	20.71	/	/	21.67	/	/	<=30	Pass
		Inner_Full	20.76	/	/	21.72	/	/	<=30	Pass
		Inner_1RB_Left	20.80	/	/	21.76	/	/	<=30	Pass
		Inner_1RB_Right	21.01	/	/	21.97	/	/	<=30	Pass
		Edge_1RB_Left	20.92	/	/	21.88	/	/	<=30	Pass
		Edge_1RB_Right	20.83	/	/	21.79	/	/	<=30	Pass
	3495	Outer_Full	20.69	/	/	21.65	/	/	<=30	Pass
		Inner_Full	20.77	/	/	21.73	/	/	<=30	Pass
		Inner_1RB_Left	20.94	/	/	21.90	/	/	<=30	Pass
		Inner_1RB_Right	20.88	/	/	21.84	/	/	<=30	Pass
		Edge_1RB_Left	20.90	/	/	21.86	/	/	<=30	Pass
		Edge_1RB_Right	21.12	/	/	22.08	/	/	<=30	Pass
	3504.99	Outer_Full	20.76	/	/	21.72	/	/	<=30	Pass
		Inner_Full	20.79	/	/	21.75	/	/	<=30	Pass
		Inner_1RB_Left	20.89	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Right	21.10	/	/	22.06	/	/	<=30	Pass
		Edge_1RB_Left	18.69	/	/	19.65	/	/	<=30	Pass
		Edge_1RB_Right	18.79	/	/	19.75	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	18.77	/	/	19.73	/	/	<=30	Pass
		Inner_Full	18.81	/	/	19.77	/	/	<=30	Pass
		Inner_1RB_Left	18.68	/	/	19.64	/	/	<=30	Pass
		Inner_1RB_Right	18.76	/	/	19.72	/	/	<=30	Pass
		Edge_1RB_Left	18.76	/	/	19.72	/	/	<=30	Pass
		Edge_1RB_Right	18.67	/	/	19.63	/	/	<=30	Pass
	3495	Outer_Full	18.78	/	/	19.74	/	/	<=30	Pass
		Inner_Full	18.83	/	/	19.79	/	/	<=30	Pass
		Inner_1RB_Left	18.80	/	/	19.76	/	/	<=30	Pass
		Inner_1RB_Right	18.64	/	/	19.60	/	/	<=30	Pass
		Edge_1RB_Left	18.72	/	/	19.68	/	/	<=30	Pass
		Edge_1RB_Right	18.97	/	/	19.93	/	/	<=30	Pass
	3504.99	Outer_Full	18.82	/	/	19.78	/	/	<=30	Pass
		Inner_Full	18.85	/	/	19.81	/	/	<=30	Pass
		Inner_1RB_Left	18.75	/	/	19.71	/	/	<=30	Pass
		Inner_1RB_Right	18.92	/	/	19.88	/	/	<=30	Pass
		Edge_1RB_Left	20.11	/	/	21.07	/	/	<=30	Pass
		Edge_1RB_Right	20.26	/	/	21.22	/	/	<=30	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20.14	/	/	21.10	/	/	<=30	Pass
		Inner_Full	21.66	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Left	21.59	/	/	22.55	/	/	<=30	Pass
		Inner_1RB_Right	21.65	/	/	22.61	/	/	<=30	Pass
		Edge_1RB_Left	20.13	/	/	21.09	/	/	<=30	Pass
		Edge_1RB_Right	20.02	/	/	20.98	/	/	<=30	Pass
	3495	Outer_Full	20.16	/	/	21.12	/	/	<=30	Pass
		Inner_Full	21.69	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Left	21.55	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Right	21.50	/	/	22.46	/	/	<=30	Pass
		Edge_1RB_Left	20.01	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	20.41	/	/	21.37	/	/	<=30	Pass
	3504.99	Outer_Full	20.23	/	/	21.19	/	/	<=30	Pass
		Inner_Full	21.70	/	/	22.66	/	/	<=30	Pass
		Inner_1RB_Left	21.61	/	/	22.57	/	/	<=30	Pass
		Inner_1RB_Right	21.79	/	/	22.75	/	/	<=30	Pass
		Edge_1RB_Left	19.91	/	/	20.87	/	/	<=30	Pass
		Edge_1RB_Right	20.87	/	/	21.83	/	/	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	19.91	/	/	20.87	/	/	<=30	Pass
		Edge_1RB_Right	20.87	/	/	21.83	/	/	<=30	Pass

		Edge 1RB Right	20.08	/	/	21.04	/	/	<=30	Pass
		Outer Full	20.18	/	/	21.14	/	/	<=30	Pass
		Inner Full	21.21	/	/	22.17	/	/	<=30	Pass
		Inner 1RB Left	20.88	/	/	21.84	/	/	<=30	Pass
		Inner 1RB Right	21.11	/	/	22.07	/	/	<=30	Pass
	3495	Edge 1RB Left	19.95	/	/	20.91	/	/	<=30	Pass
		Edge 1RB Right	19.92	/	/	20.88	/	/	<=30	Pass
		Outer Full	20.16	/	/	21.12	/	/	<=30	Pass
		Inner Full	21.23	/	/	22.19	/	/	<=30	Pass
		Inner 1RB Left	21.02	/	/	21.98	/	/	<=30	Pass
	3504.99	Inner 1RB Right	20.91	/	/	21.87	/	/	<=30	Pass
		Edge 1RB Left	19.90	/	/	20.86	/	/	<=30	Pass
		Edge 1RB Right	20.21	/	/	21.17	/	/	<=30	Pass
		Outer Full	20.23	/	/	21.19	/	/	<=30	Pass
		Inner Full	21.22	/	/	22.18	/	/	<=30	Pass
CP-OFDM 64 QAM	3500.01	Inner 1RB Left	21.02	/	/	21.98	/	/	<=30	Pass
		Inner 1RB Right	21.26	/	/	22.22	/	/	<=30	Pass
		Edge 1RB Left	19.84	/	/	20.80	/	/	<=30	Pass
		Edge 1RB Right	19.96	/	/	20.92	/	/	<=30	Pass
		Outer Full	19.71	/	/	20.67	/	/	<=30	Pass
	3495	Inner Full	19.75	/	/	20.71	/	/	<=30	Pass
		Inner 1RB Left	19.93	/	/	20.89	/	/	<=30	Pass
		Inner 1RB Right	19.95	/	/	20.91	/	/	<=30	Pass
		Edge 1RB Left	19.96	/	/	20.92	/	/	<=30	Pass
		Edge 1RB Right	19.86	/	/	20.82	/	/	<=30	Pass
	3504.99	Outer Full	19.71	/	/	20.67	/	/	<=30	Pass
		Inner Full	19.73	/	/	20.69	/	/	<=30	Pass
		Inner 1RB Left	19.93	/	/	20.89	/	/	<=30	Pass
		Inner 1RB Right	19.85	/	/	20.81	/	/	<=30	Pass
		Edge 1RB Left	19.80	/	/	20.76	/	/	<=30	Pass
CP-OFDM 256 QAM	3500.01	Edge 1RB Right	20.15	/	/	21.11	/	/	<=30	Pass
		Outer Full	19.79	/	/	20.75	/	/	<=30	Pass
		Inner Full	19.78	/	/	20.74	/	/	<=30	Pass
		Inner 1RB Left	19.93	/	/	20.89	/	/	<=30	Pass
		Inner 1RB Right	20.16	/	/	21.12	/	/	<=30	Pass
	3495	Edge 1RB Left	16.77	/	/	17.73	/	/	<=30	Pass
		Edge 1RB Right	16.84	/	/	17.80	/	/	<=30	Pass
		Outer Full	16.75	/	/	17.71	/	/	<=30	Pass
		Inner Full	16.85	/	/	17.81	/	/	<=30	Pass
		Inner 1RB Left	16.80	/	/	17.76	/	/	<=30	Pass
	3504.99	Inner 1RB Right	16.89	/	/	17.85	/	/	<=30	Pass
		Edge 1RB Left	16.85	/	/	17.81	/	/	<=30	Pass
		Edge 1RB Right	16.80	/	/	17.76	/	/	<=30	Pass
		Outer Full	16.77	/	/	17.73	/	/	<=30	Pass
		Inner Full	16.83	/	/	17.79	/	/	<=30	Pass
	Inner 1RB Left	16.92	/	/	17.88	/	/	<=30	Pass	
	Inner 1RB Right	16.75	/	/	17.71	/	/	<=30	Pass	
	Edge 1RB Left	16.82	/	/	17.78	/	/	<=30	Pass	
	Edge 1RB Right	17.11	/	/	18.07	/	/	<=30	Pass	
	Outer Full	16.83	/	/	17.79	/	/	<=30	Pass	
Note1: Antenna Gain: Ant11: 0.96dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.12 30k_SISO_100MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 100MHz 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	3500.01	Edge_1RB_Left	22.57	/	/	23.53	/	/	<=30	Pass
		Edge_1RB_Right	22.77	/	/	23.73	/	/	<=30	Pass
		Outer_Full	22.64	/	/	23.60	/	/	<=30	Pass
		Inner_Full	23.19	/	/	24.15	/	/	<=30	Pass
		Inner_1RB_Left	23.06	/	/	24.02	/	/	<=30	Pass
		Inner_1RB_Right	23.30	/	/	24.26	/	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Edge_1RB_Left	22.04	/	/	23.00	/	/	<=30	Pass
		Edge_1RB_Right	22.26	/	/	23.22	/	/	<=30	Pass
		Outer_Full	22.13	/	/	23.09	/	/	<=30	Pass
		Inner_Full	23.18	/	/	24.14	/	/	<=30	Pass
		Inner_1RB_Left	23.02	/	/	23.98	/	/	<=30	Pass
		Inner_1RB_Right	23.27	/	/	24.23	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Edge_1RB_Left	20.87	/	/	21.83	/	/	<=30	Pass
		Edge_1RB_Right	21.13	/	/	22.09	/	/	<=30	Pass
		Outer_Full	21.17	/	/	22.13	/	/	<=30	Pass
		Inner_Full	22.18	/	/	23.14	/	/	<=30	Pass
		Inner_1RB_Left	21.88	/	/	22.84	/	/	<=30	Pass
		Inner_1RB_Right	22.04	/	/	23.00	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Edge_1RB_Left	20.83	/	/	21.79	/	/	<=30	Pass
		Edge_1RB_Right	21.06	/	/	22.02	/	/	<=30	Pass
		Outer_Full	20.64	/	/	21.60	/	/	<=30	Pass
		Inner_Full	20.77	/	/	21.73	/	/	<=30	Pass
		Inner_1RB_Left	20.84	/	/	21.80	/	/	<=30	Pass
		Inner_1RB_Right	21.08	/	/	22.04	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3500.01	Edge_1RB_Left	18.64	/	/	19.60	/	/	<=30	Pass
		Edge_1RB_Right	18.81	/	/	19.77	/	/	<=30	Pass
		Outer_Full	18.71	/	/	19.67	/	/	<=30	Pass
		Inner_Full	18.81	/	/	19.77	/	/	<=30	Pass
		Inner_1RB_Left	18.66	/	/	19.62	/	/	<=30	Pass
		Inner_1RB_Right	18.87	/	/	19.83	/	/	<=30	Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	20.15	/	/	21.11	/	/	<=30	Pass
		Edge_1RB_Right	20.29	/	/	21.25	/	/	<=30	Pass
		Outer_Full	20.17	/	/	21.13	/	/	<=30	Pass
		Inner_Full	21.66	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Left	21.57	/	/	22.53	/	/	<=30	Pass
		Inner_1RB_Right	21.69	/	/	22.65	/	/	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	19.96	/	/	20.92	/	/	<=30	Pass
		Edge_1RB_Right	20.16	/	/	21.12	/	/	<=30	Pass
		Outer_Full	20.18	/	/	21.14	/	/	<=30	Pass
		Inner_Full	21.19	/	/	22.15	/	/	<=30	Pass
		Inner_1RB_Left	20.86	/	/	21.82	/	/	<=30	Pass
		Inner_1RB_Right	21.00	/	/	21.96	/	/	<=30	Pass
CP-OFDM 64 QAM	3500.01	Edge_1RB_Left	19.86	/	/	20.82	/	/	<=30	Pass
		Edge_1RB_Right	20.02	/	/	20.98	/	/	<=30	Pass
		Outer_Full	19.70	/	/	20.66	/	/	<=30	Pass
		Inner_Full	19.75	/	/	20.71	/	/	<=30	Pass
		Inner_1RB_Left	19.95	/	/	20.91	/	/	<=30	Pass
		Inner_1RB_Right	20.04	/	/	21.00	/	/	<=30	Pass
CP-OFDM 256 QAM	3500.01	Edge_1RB_Left	16.80	/	/	17.76	/	/	<=30	Pass
		Edge_1RB_Right	16.99	/	/	17.95	/	/	<=30	Pass
		Outer_Full	16.76	/	/	17.72	/	/	<=30	Pass
		Inner_Full	16.82	/	/	17.78	/	/	<=30	Pass
		Inner_1RB_Left	16.84	/	/	17.80	/	/	<=30	Pass
		Inner_1RB_Right	17.04	/	/	18.00	/	/	<=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 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	-12.10	-0.0035	>=-2.5 & <=2.5	Pass
				HV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-9.80	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-10.70	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_10MHz_NTNV

5G NR n77d 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	9.57	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	8.65	9.56	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	8.65	9.60	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	8.69	9.56	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	8.65	9.55	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	8.69	9.54	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	8.68	9.50	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	8.67	9.53	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	8.73	9.56	/	Pass

3.1.2 30k_SISO_15MHz_NTNV

5G NR n77d 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	13.05	14.15	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	13.09	14.10	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	13.03	14.18	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	13.11	14.24	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	13.01	14.14	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	13.73	14.84	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	13.72	14.90	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	13.75	14.97	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	13.73	14.88	/	Pass

3.1.3 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	18.14	19.48	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	18.15	19.39	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	18.07	19.33	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	18.14	19.50	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	18.07	19.36	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	18.37	19.83	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	18.38	19.80	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	18.42	19.83	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	18.38	19.75	/	Pass

3.1.4 30k_SISO_25MHz_NTNV

5G NR n77d SCS=30kHz SISO 25MHz 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	23.30	24.79	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	23.13	24.70	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	23.08	24.77	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	23.22	24.76	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	23.07	24.67	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	23.43	25.01	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	23.50	25.16	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	23.51	25.05	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	23.42	25.09	/	Pass

3.1.5 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	27.17	29.21	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	27.09	29.08	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	27.08	29.18	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	27.07	29.15	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	27.12	29.13	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	28.09	30.12	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	28.03	30.15	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	28.08	30.14	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	28.05	30.16	/	Pass

3.1.6 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	36.16	38.68	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	36.14	38.82	/	Pass

DFT-s-OFDM 16 QAM	3500.01	Outer_Full	36.08	38.77	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	36.16	38.78	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	36.07	38.66	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	38.19	40.86	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	38.13	40.95	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	38.13	40.78	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	38.05	40.88	/	Pass

3.1.7 30k_SISO_50MHz_NTNV

5G NR n77d 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	46.12	49.28	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	46.02	49.32	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	46.04	49.32	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	46.17	49.37	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	46.15	49.31	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	47.87	51.12	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	47.87	51.06	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	47.85	51.15	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	47.81	51.12	/	Pass

3.1.8 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	58.50	62.26	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	58.34	62.25	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	58.22	62.16	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	58.35	62.34	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	58.34	62.25	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	58.11	62.29	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	58.17	62.12	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	58.36	62.18	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	58.18	62.26	/	Pass

3.1.9 30k_SISO_70MHz_NTNV

5G NR n77d 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	65.10	69.48	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	64.68	69.51	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	64.81	69.49	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	64.80	69.49	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	64.98	69.43	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	68.10	72.82	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	68.00	72.69	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	67.99	72.77	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	68.02	72.69	/	Pass

3.1.10 30k_SISO_80MHz_NTNV

5G NR n77d SCS=30kHz SISO 80MHz 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	77.66	82.89	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	77.86	82.53	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	77.62	82.77	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	77.47	82.64	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	77.81	82.35	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	77.99	83.24	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	77.86	83.08	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	77.77	82.92	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	78.13	82.80	/	Pass

3.1.11 30k_SISO_90MHz_NTNV

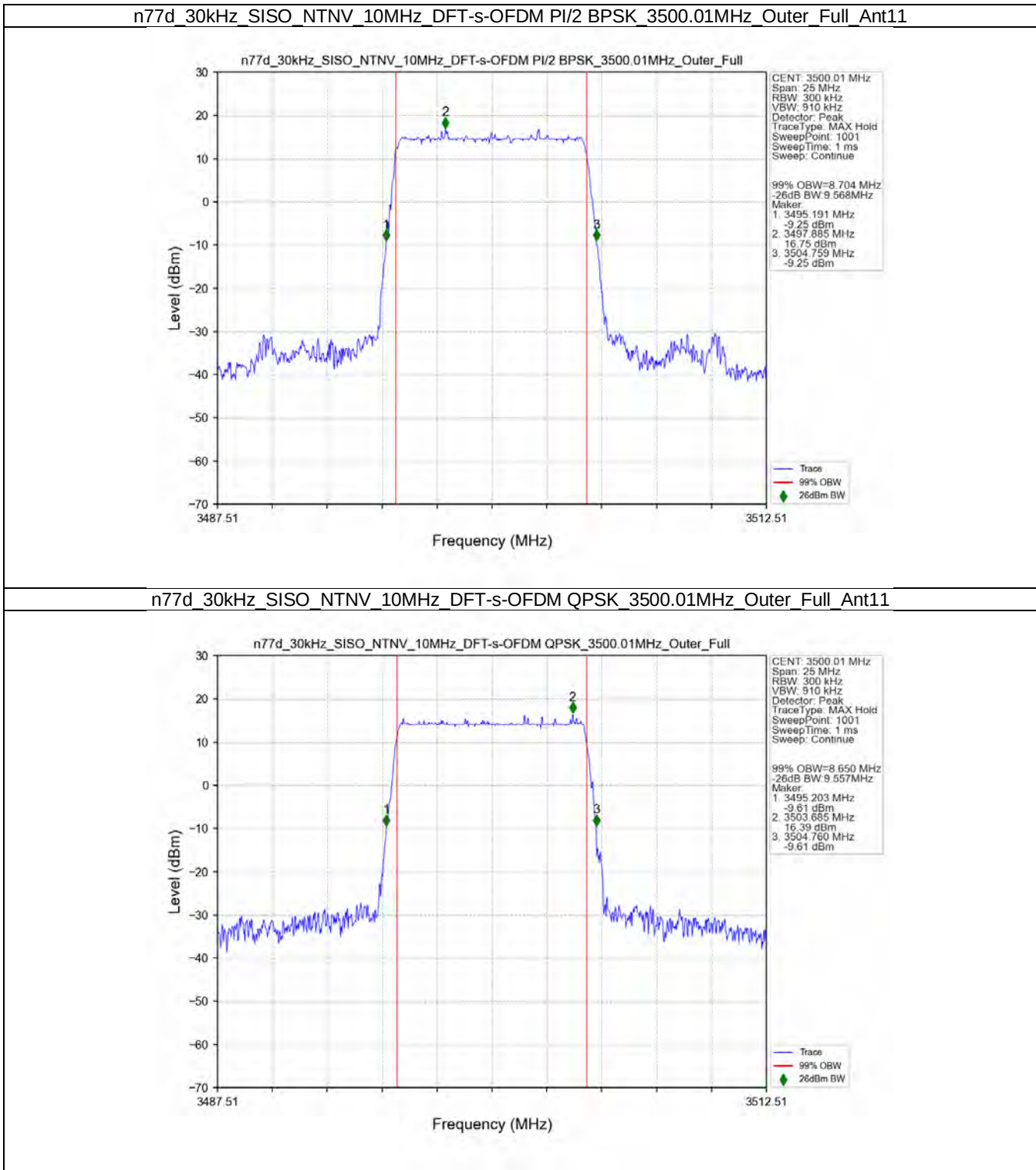
5G NR n77d SCS=30kHz SISO 90MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	87.58	92.84	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	87.17	92.94	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	87.29	93.02	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	87.25	93.03	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	87.05	92.79	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	88.00	93.77	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	88.02	93.57	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	87.95	93.69	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	88.13	93.39	/	Pass

3.1.12 30k_SISO_100MHz_NTNV

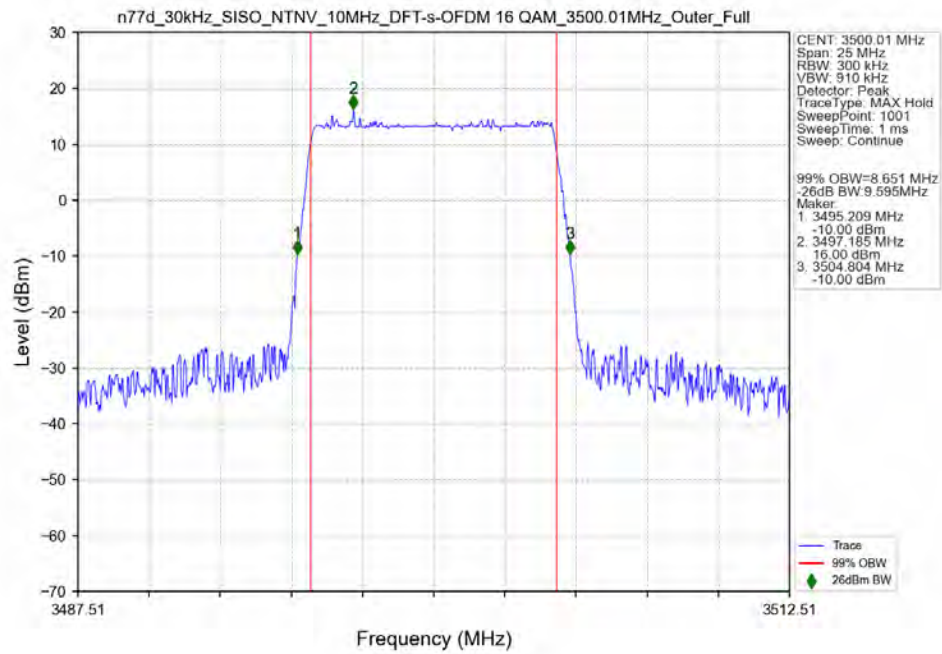
5G NR n77d SCS=30kHz SISO 100MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	97.02	103.34	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	97.26	103.33	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	96.91	103.46	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	97.30	103.29	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	97.04	103.12	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	97.87	104.60	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	98.30	104.37	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	97.94	104.65	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	98.23	104.21	/	Pass

3.2 Test Graph

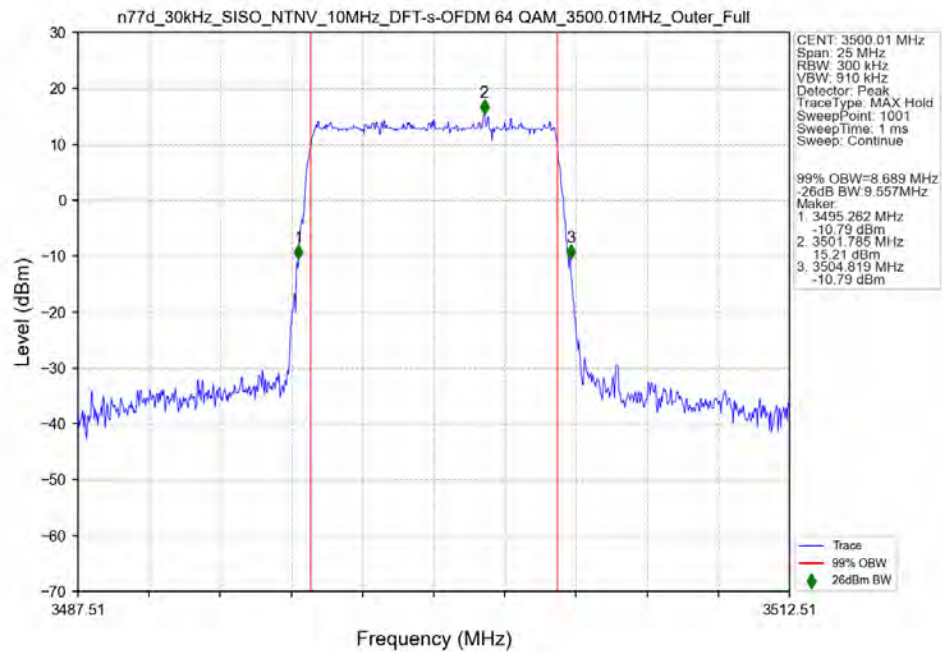
3.2.1 30k_SISO_10MHz_NTNV



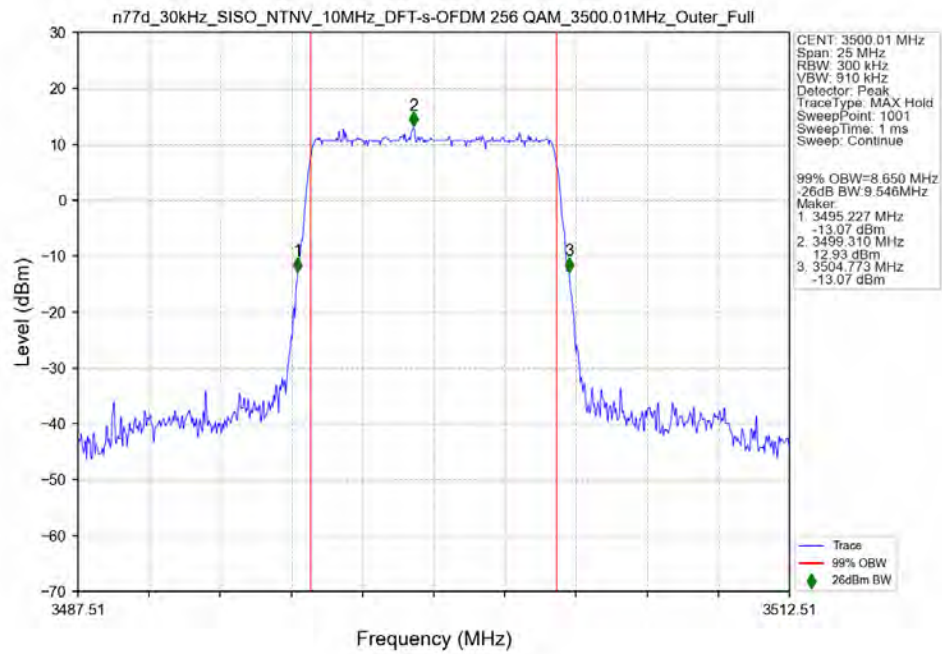
n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



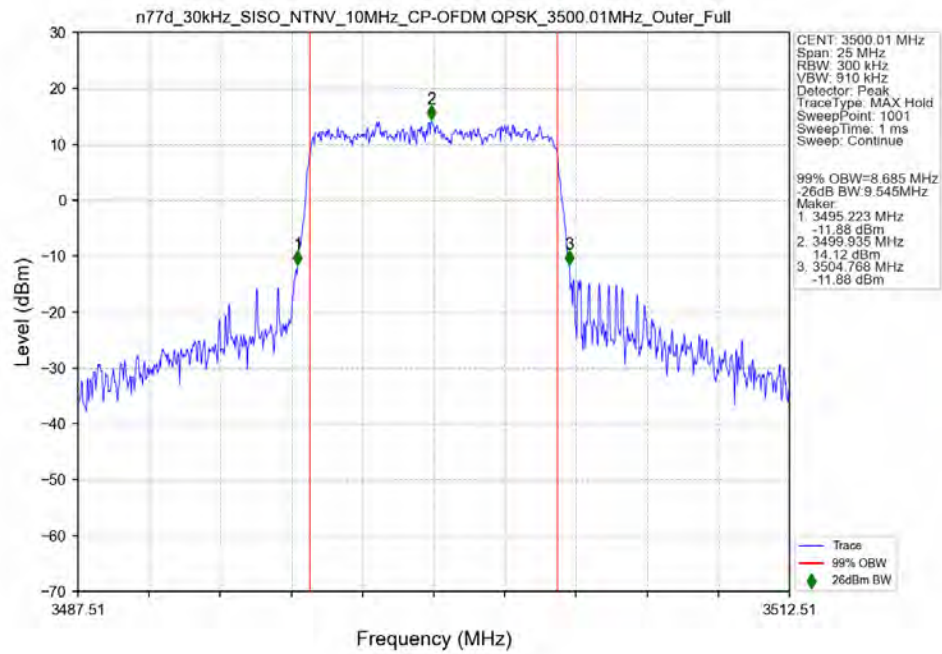
n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant11



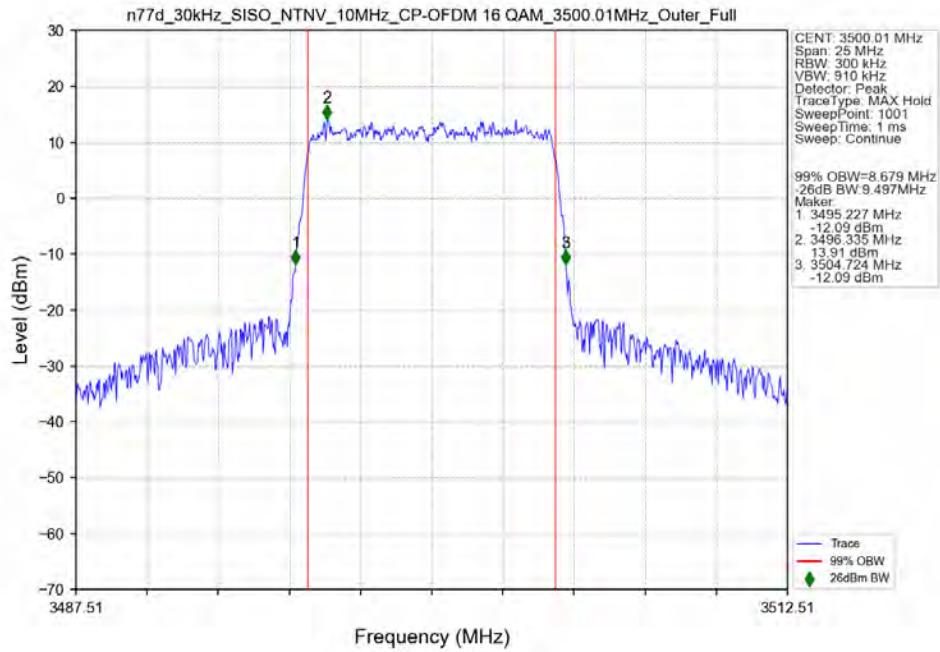
n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant11



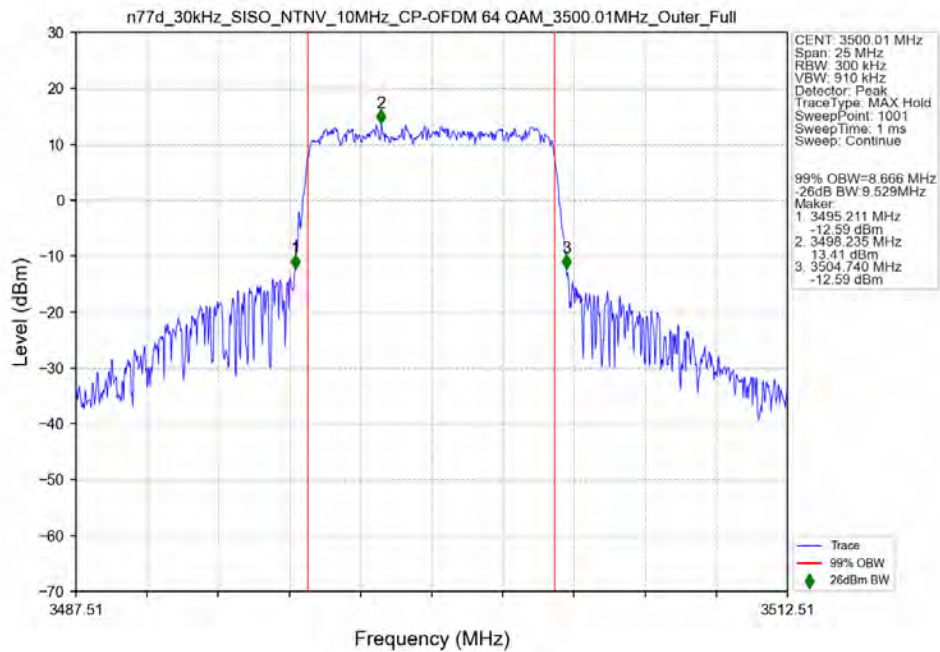
n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant11



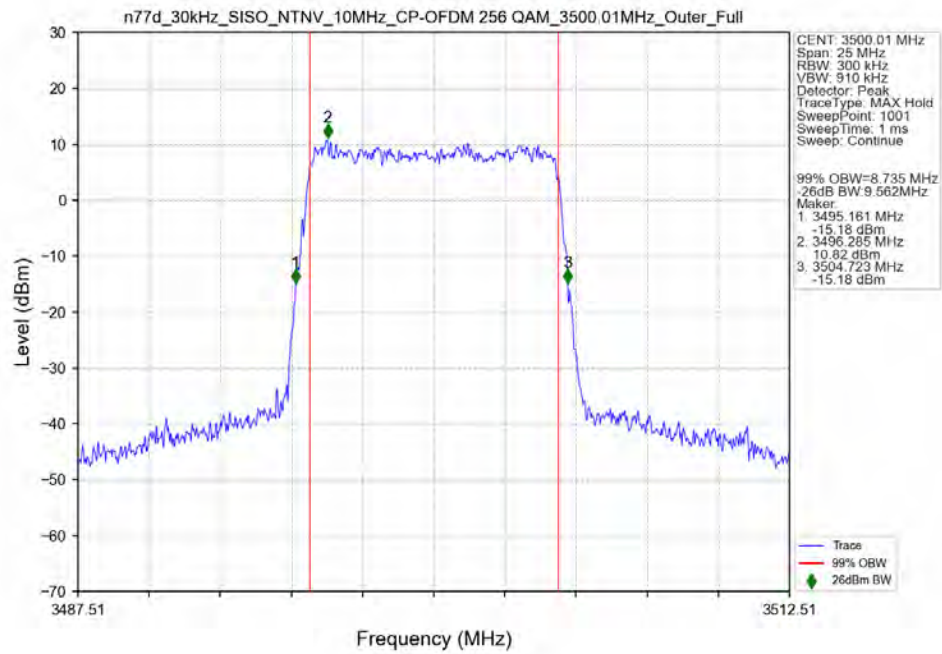
n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 3500.01MHz Outer_Full_Ant11



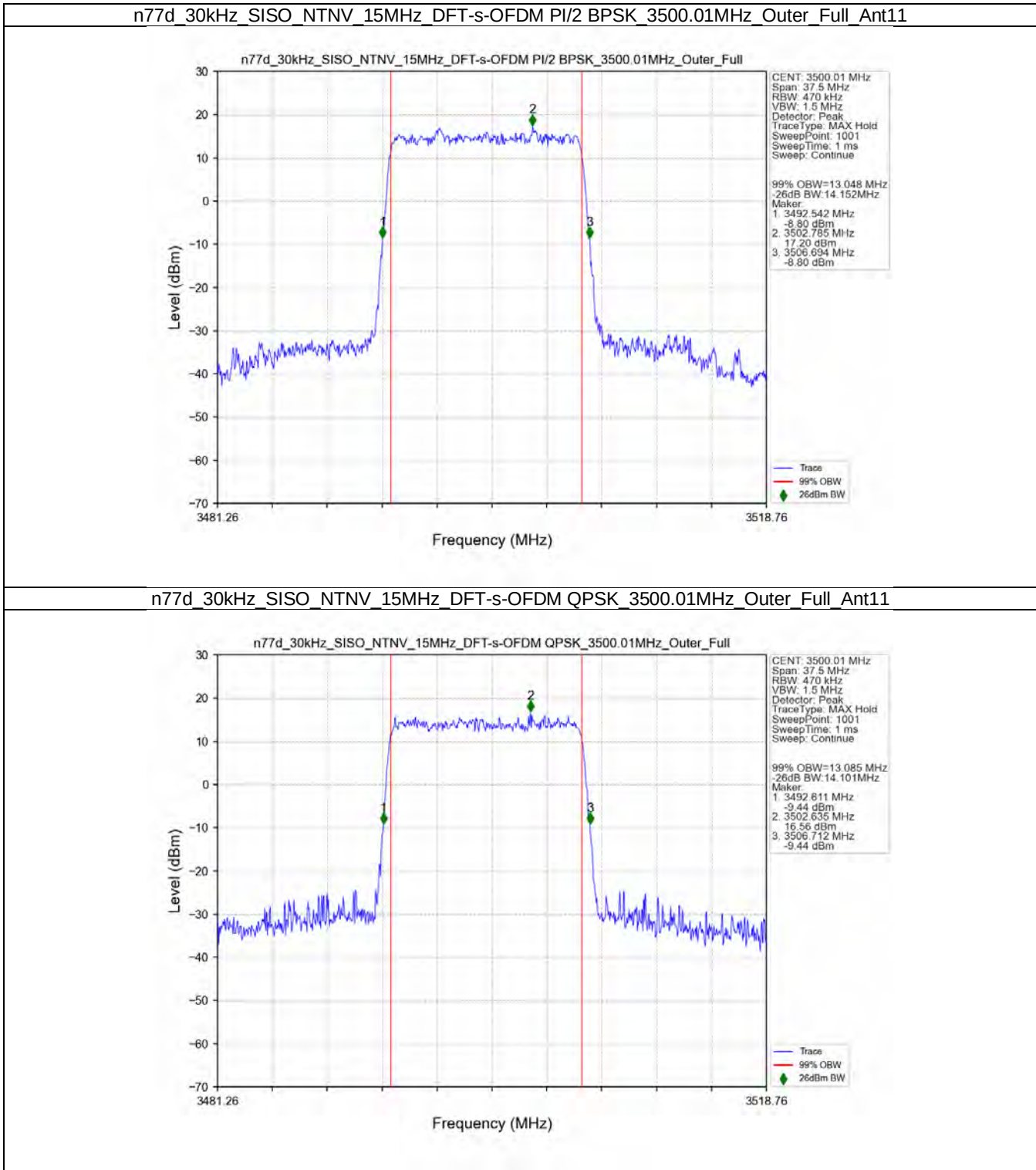
n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 3500.01MHz Outer_Full_Ant11



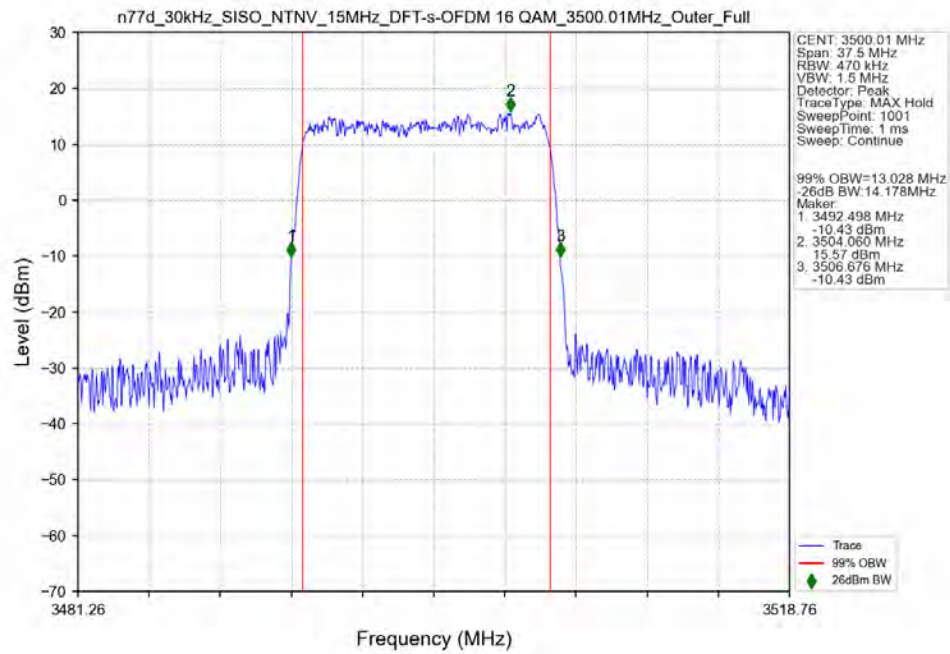
n77d 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



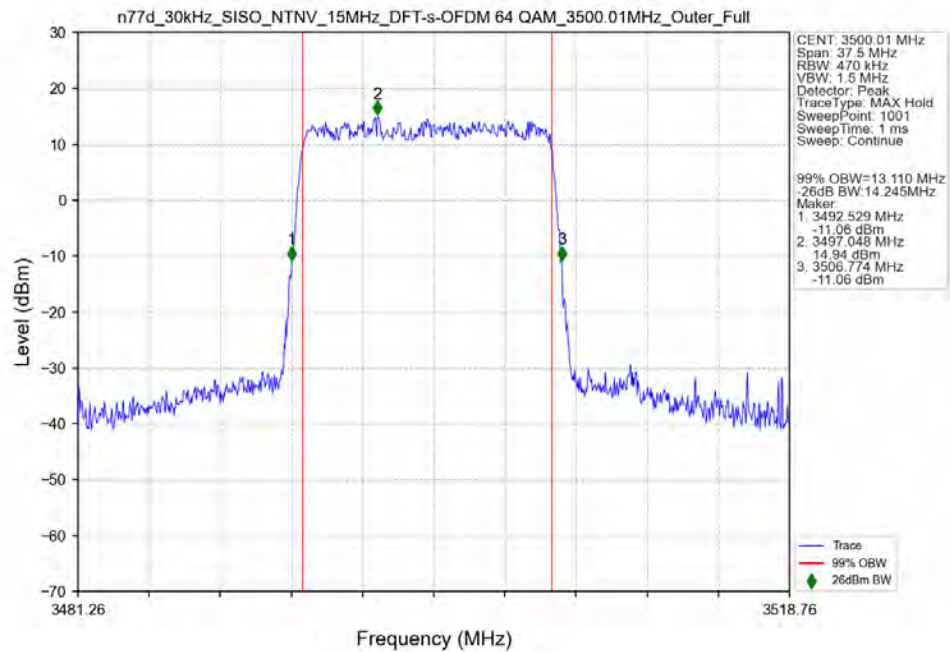
3.2.2 30k_SISO_15MHz_NTNV



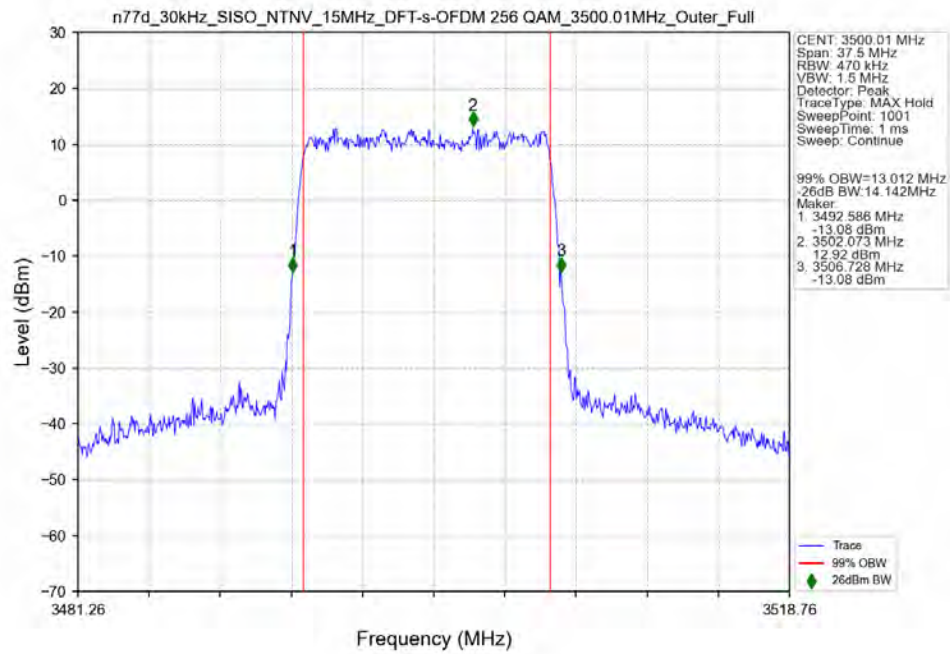
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



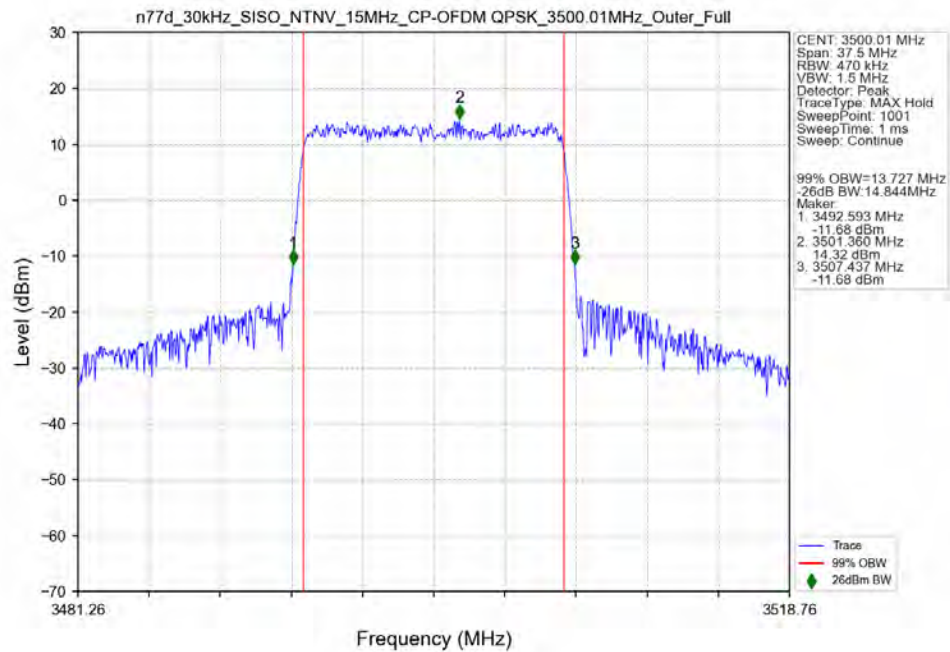
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant11



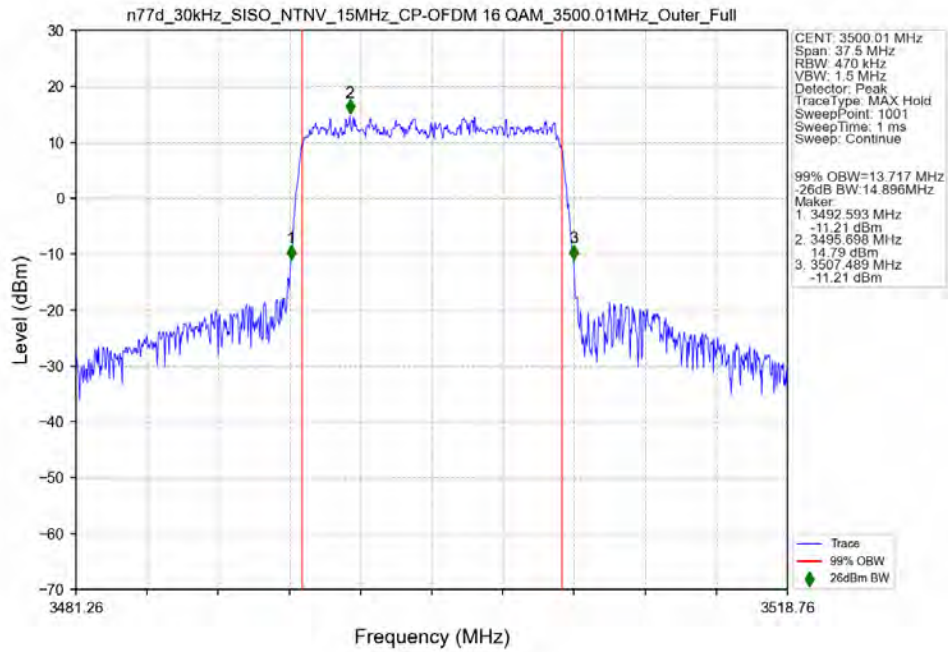
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant11



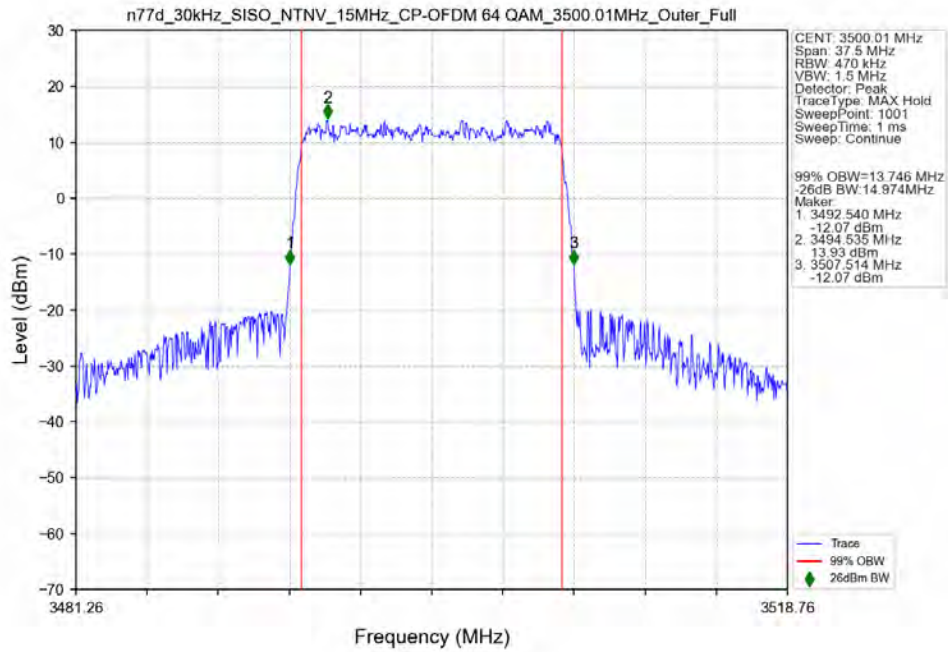
n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant11



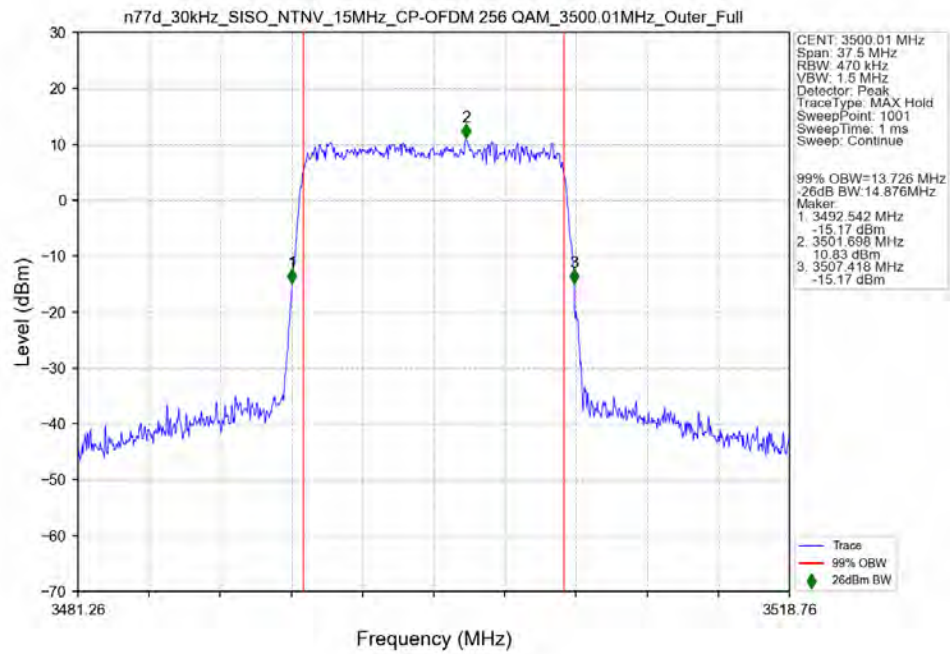
n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM 3500.01MHz Outer Full Ant11



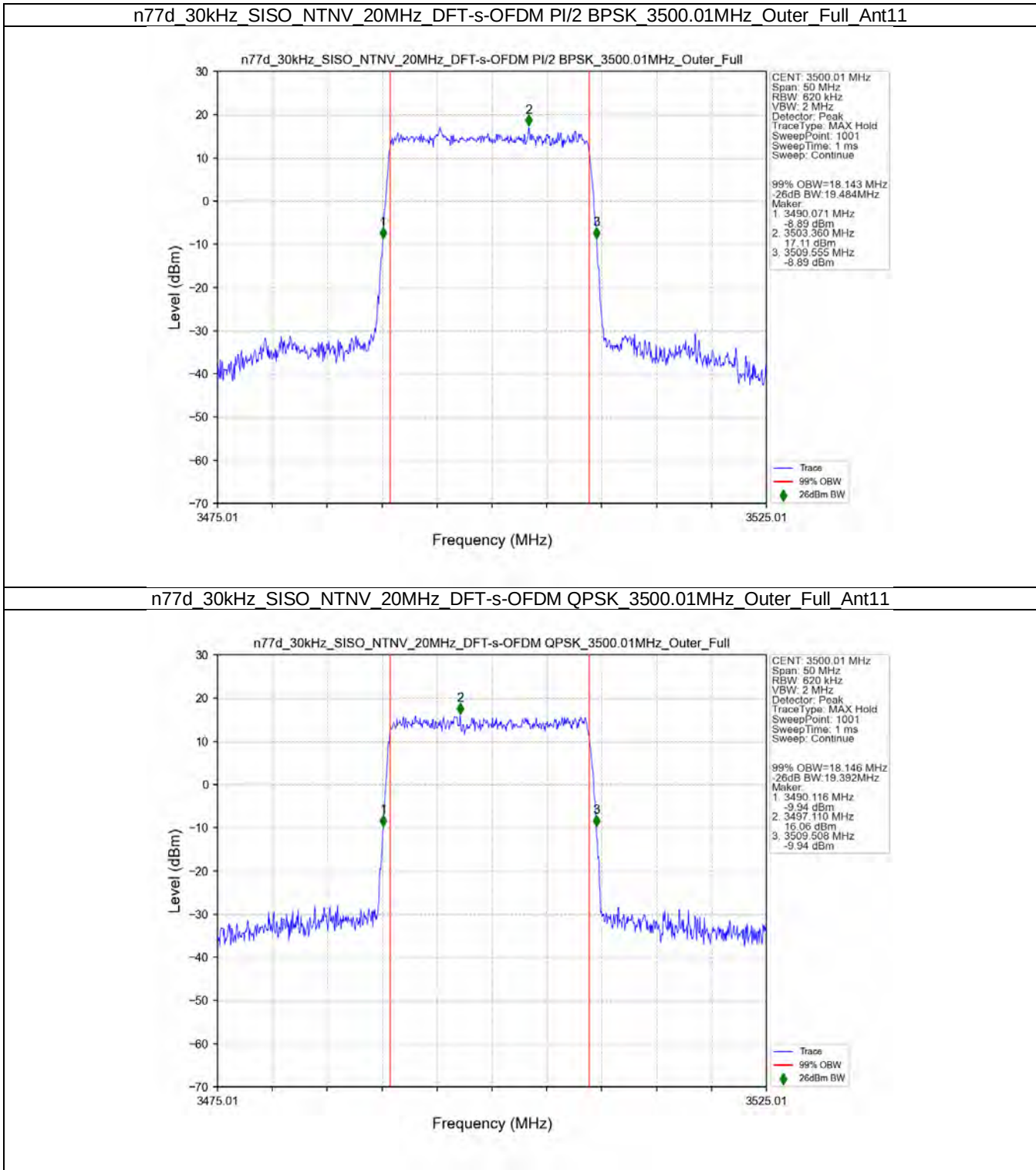
n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM 3500.01MHz Outer Full Ant11



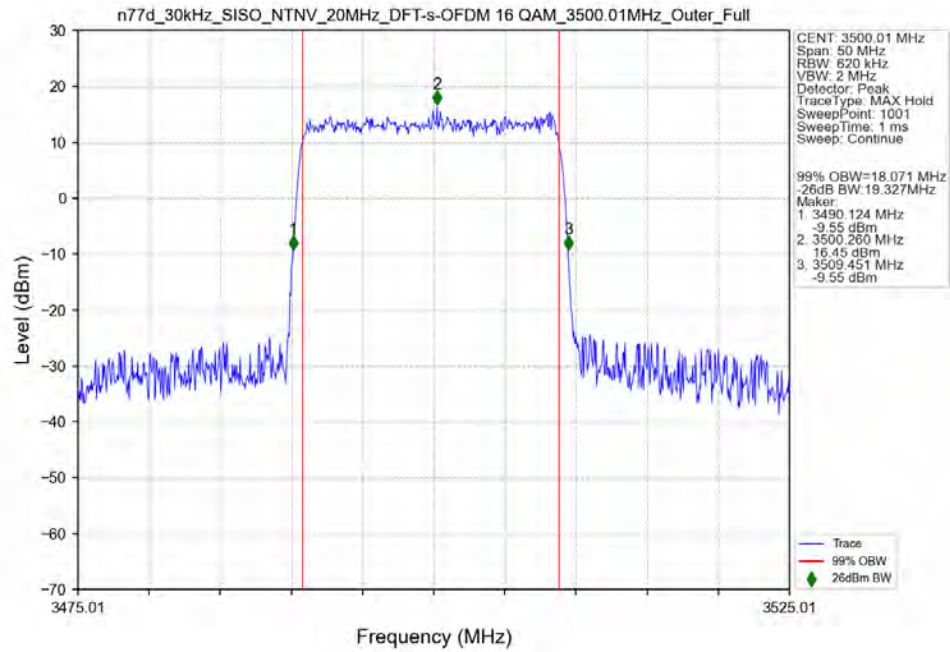
n77d 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



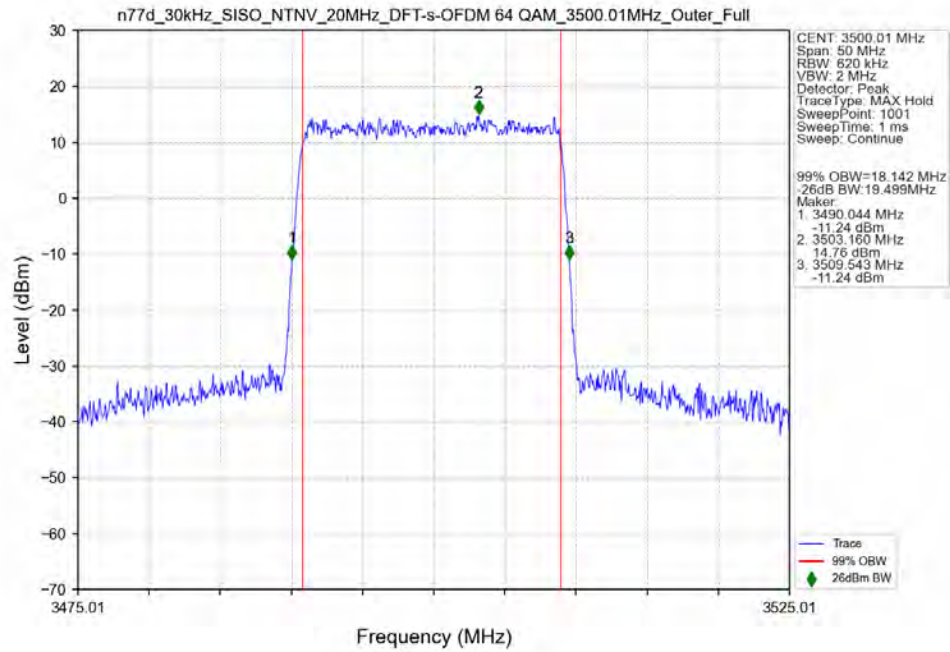
3.2.3 30k_SISO_20MHz_NTNV



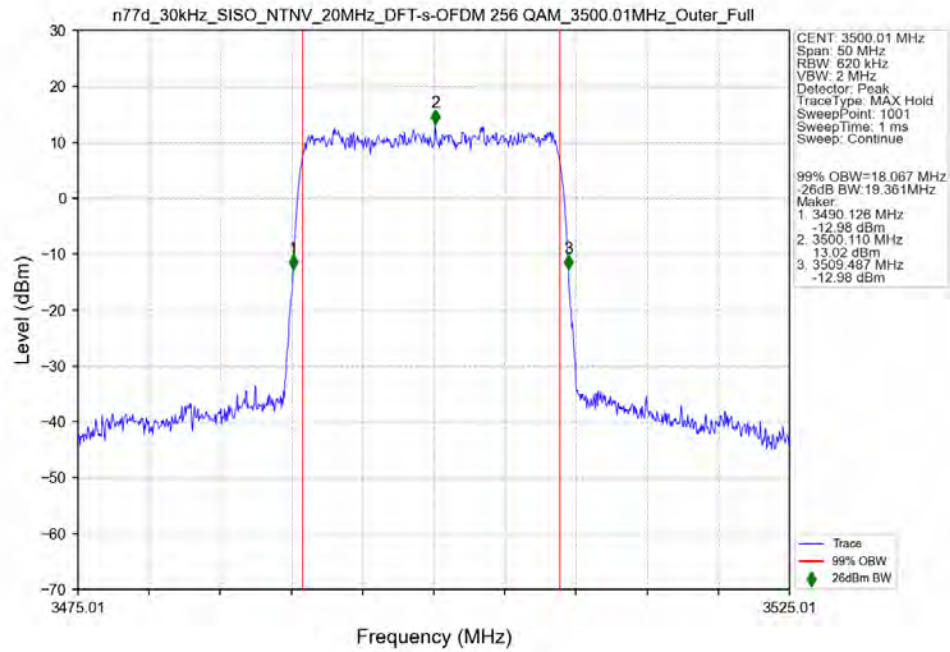
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



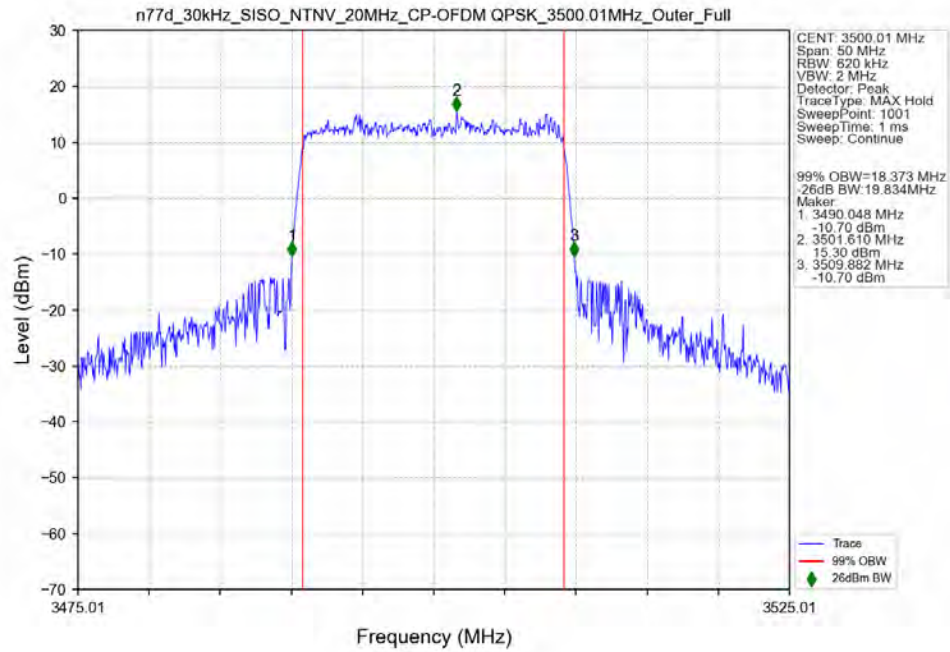
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant11



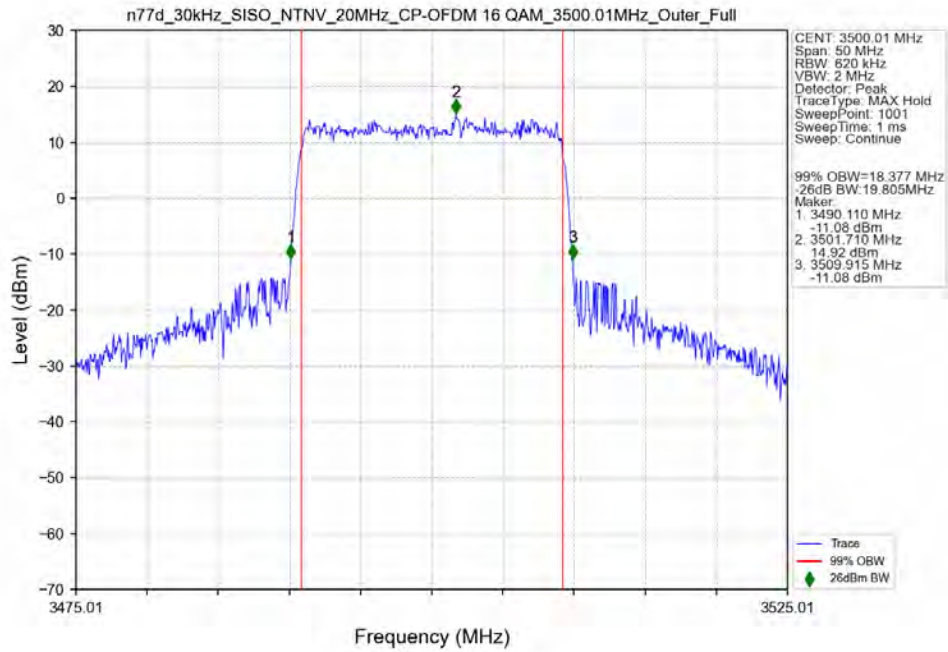
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant11



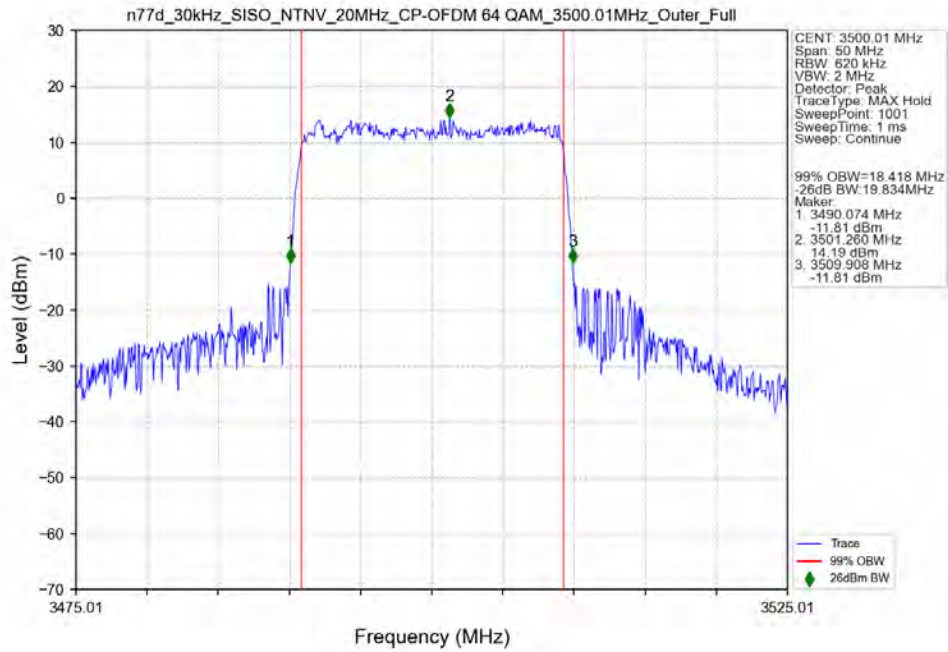
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant11



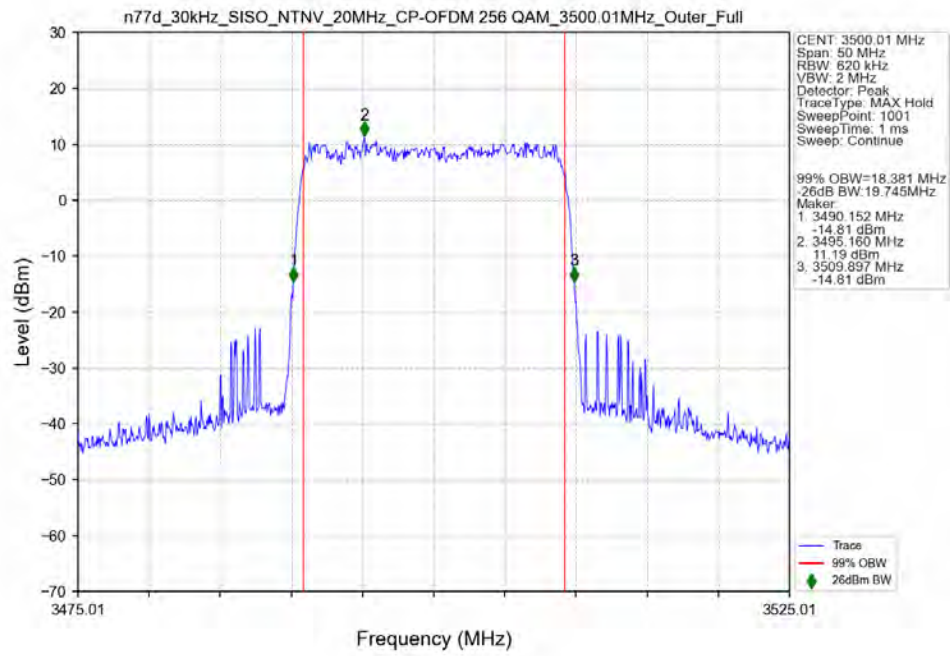
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM 3500.01MHz_Outer_Full_Ant11



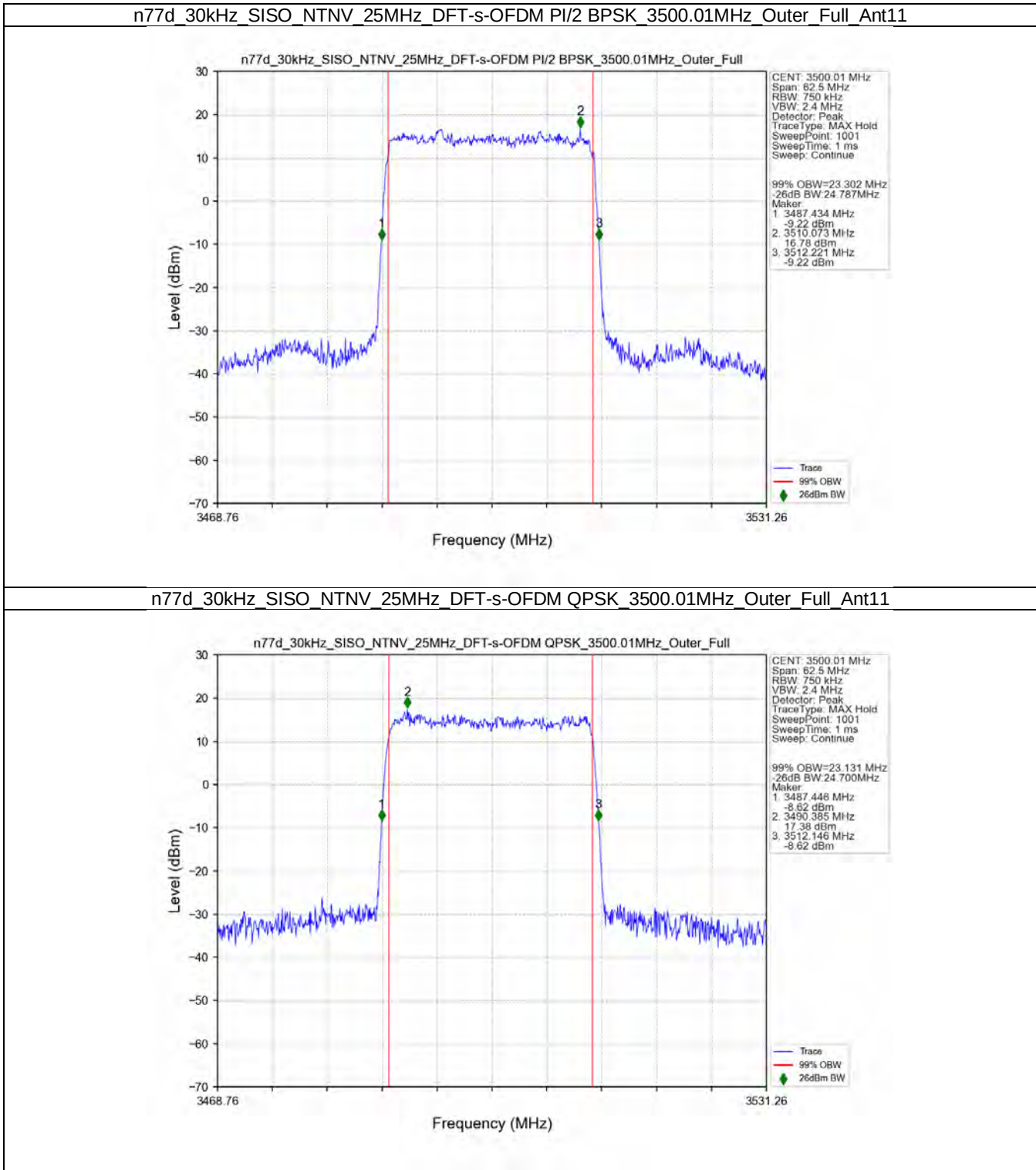
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM 3500.01MHz_Outer_Full_Ant11



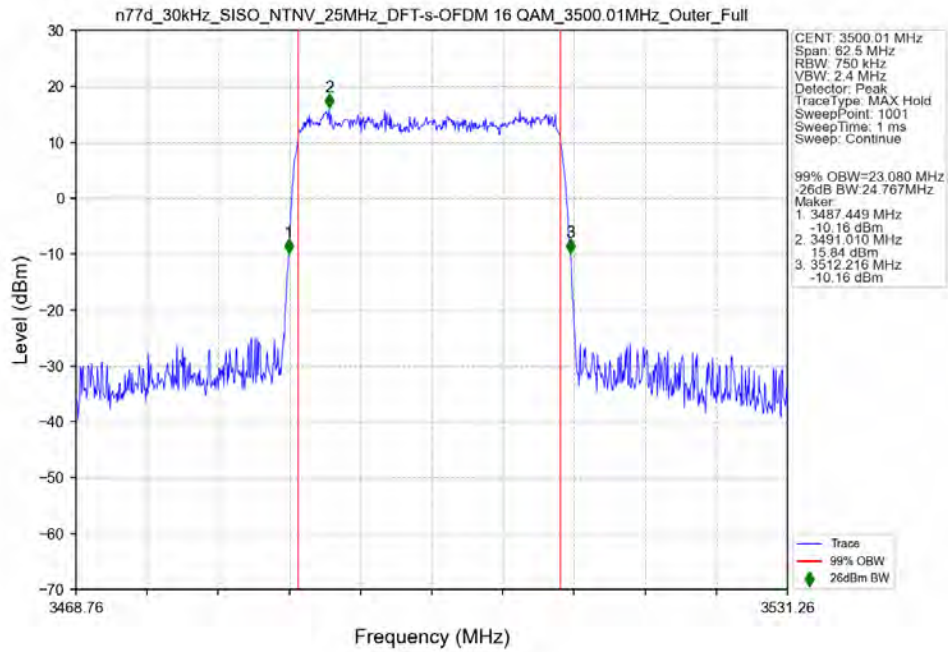
n77d 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



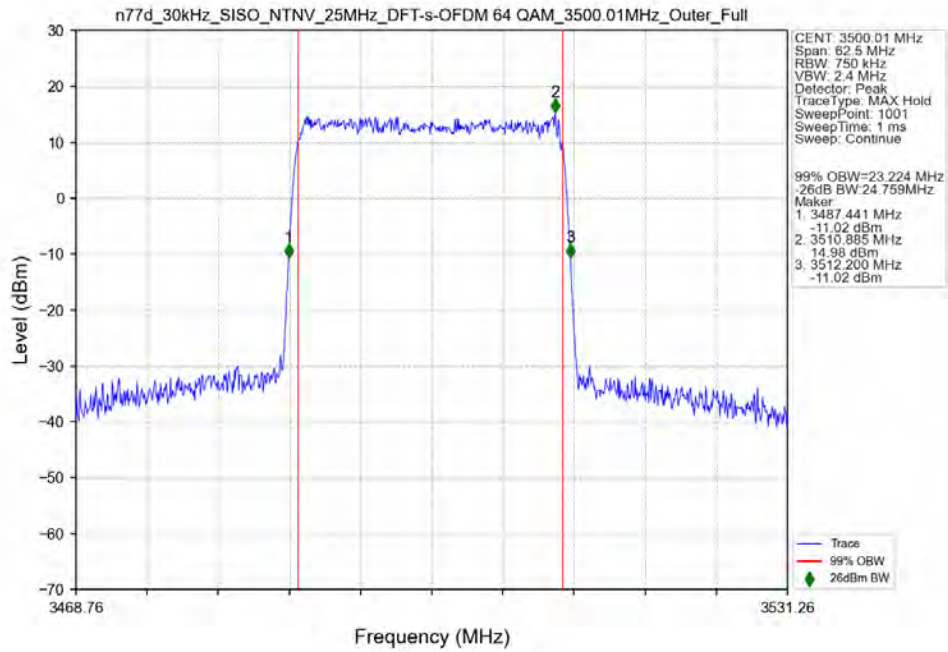
3.2.4 30k_SISO_25MHz_NTNV



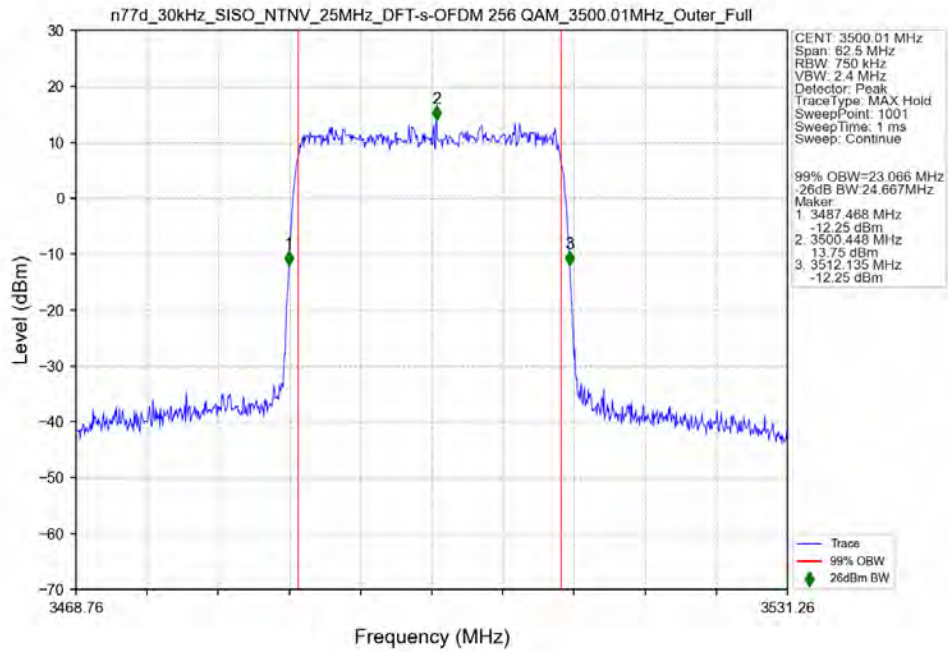
n77d_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



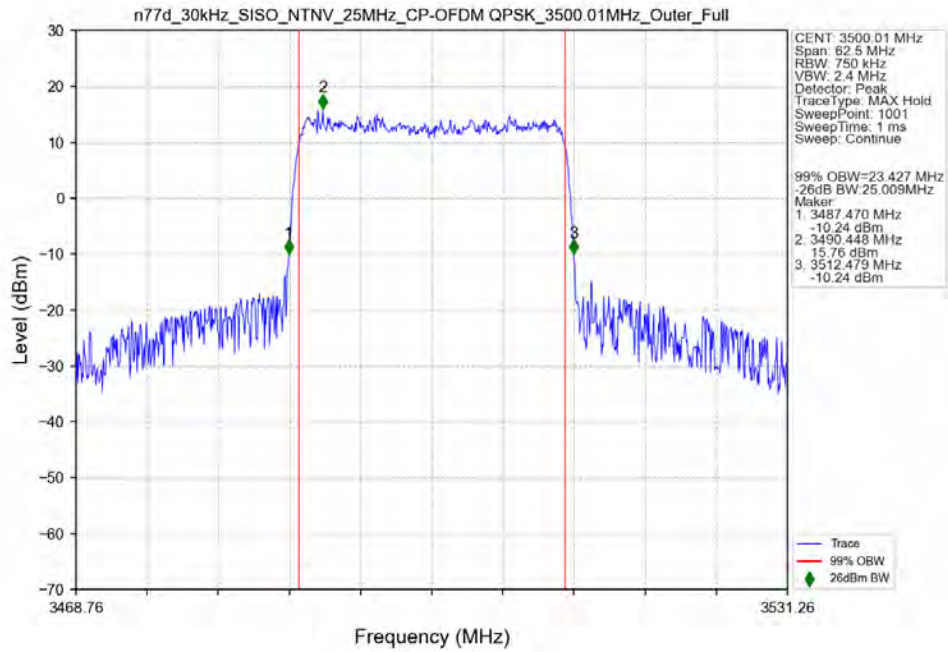
n77d_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant11



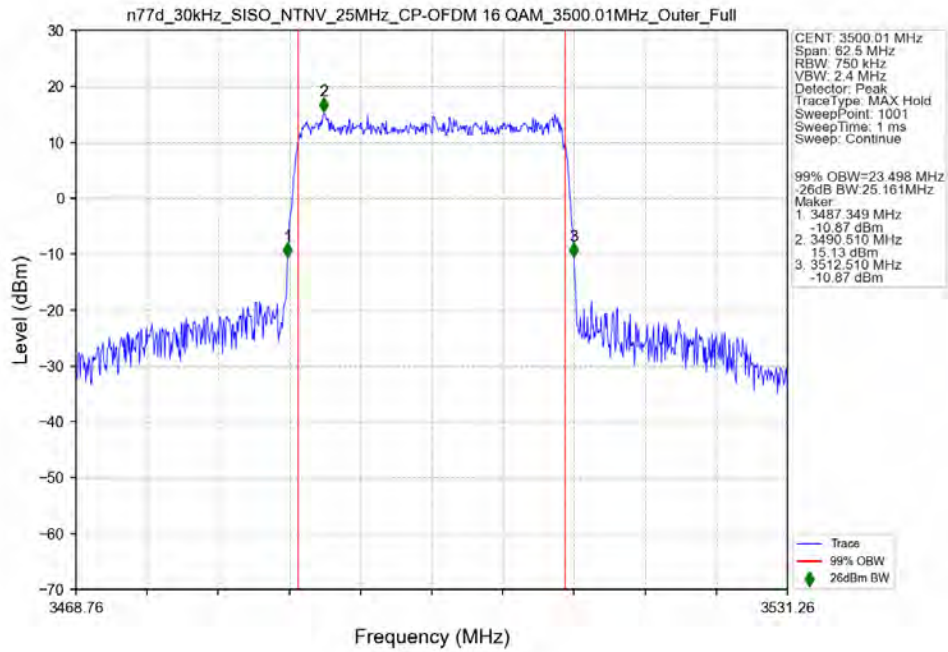
n77d_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant11



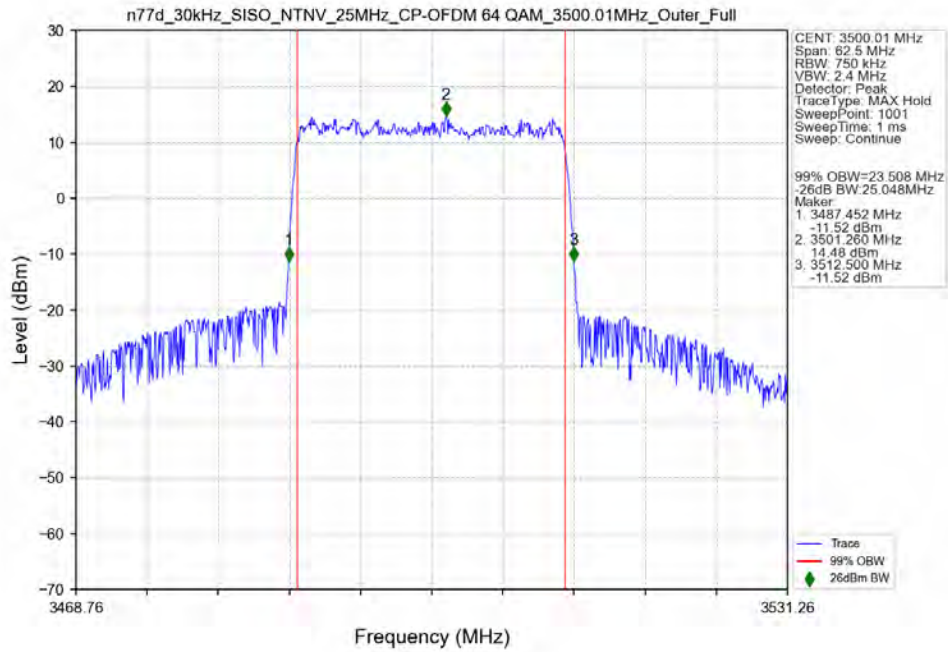
n77d_30kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant11



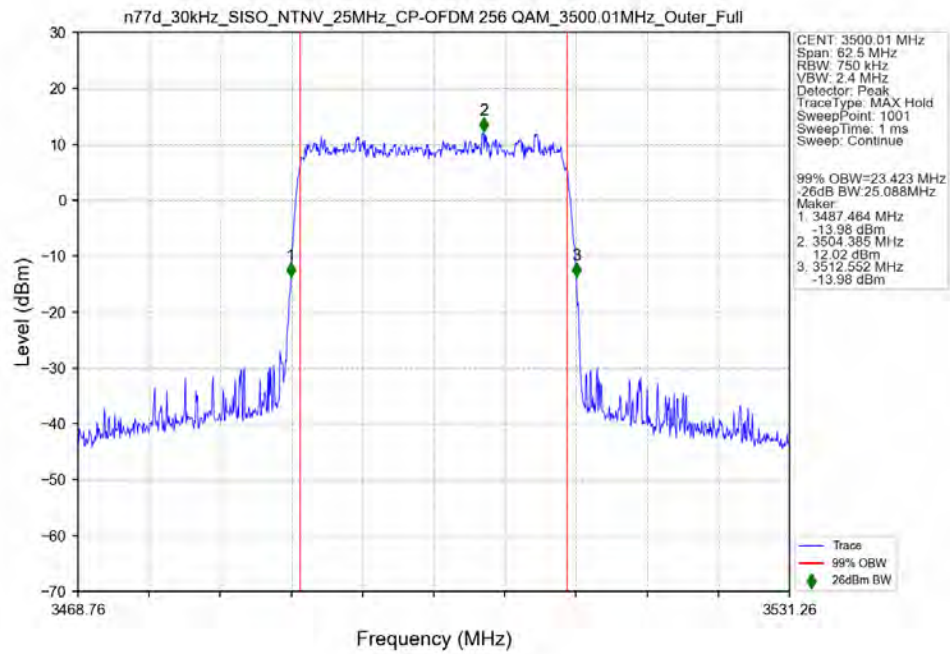
n77d_30kHz_SISO_NTNV_25MHz_CP-OFDM 16 QAM 3500.01MHz Outer_Full_Ant11



n77d_30kHz_SISO_NTNV_25MHz_CP-OFDM 64 QAM 3500.01MHz Outer_Full_Ant11



n77d 30kHz SISO NTN 25MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full_Ant11

Level (dBm)

Frequency (MHz)

Trace

99% OBW

26dB BW

CENT: 3500.01 MHz
Span: 75 MHz
RBW: 910 kHz
VBW: 3 MHz
Detector: Peak
Trace Type: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=27.172 MHz
26dB BW=29.215MHz

Maker

1 3484.835 MHz
-8.12 dBm

2 3492.585 MHz
17.88 dBm

3 3514.050 MHz
-8.12 dBm

n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3500.01MHz_Outer_Full_Ant11

Level (dBm)

Frequency (MHz)

Trace

99% OBW

26dB BW

CENT: 3500.01 MHz
Span: 75 MHz
RBW: 910 kHz
VBW: 3 MHz
Detector: Peak
Trace Type: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

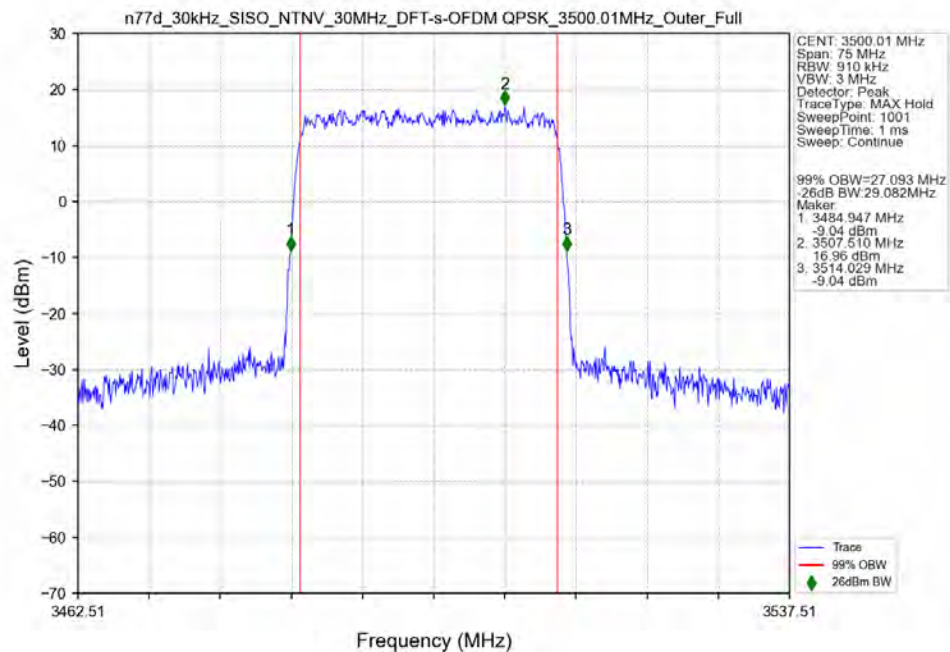
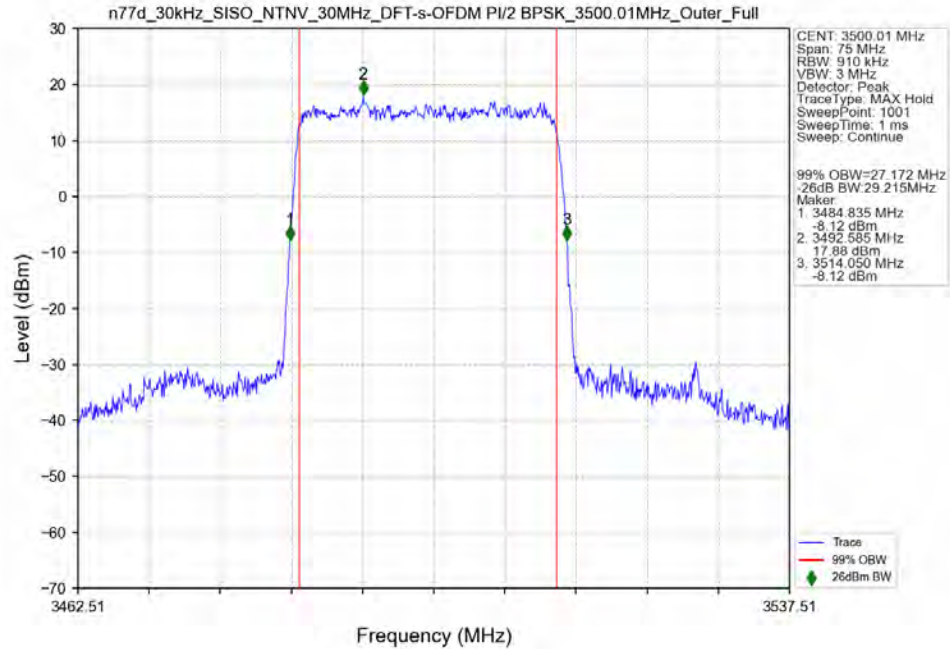
99% OBW=27.093 MHz
26dB BW=29.082MHz

Maker

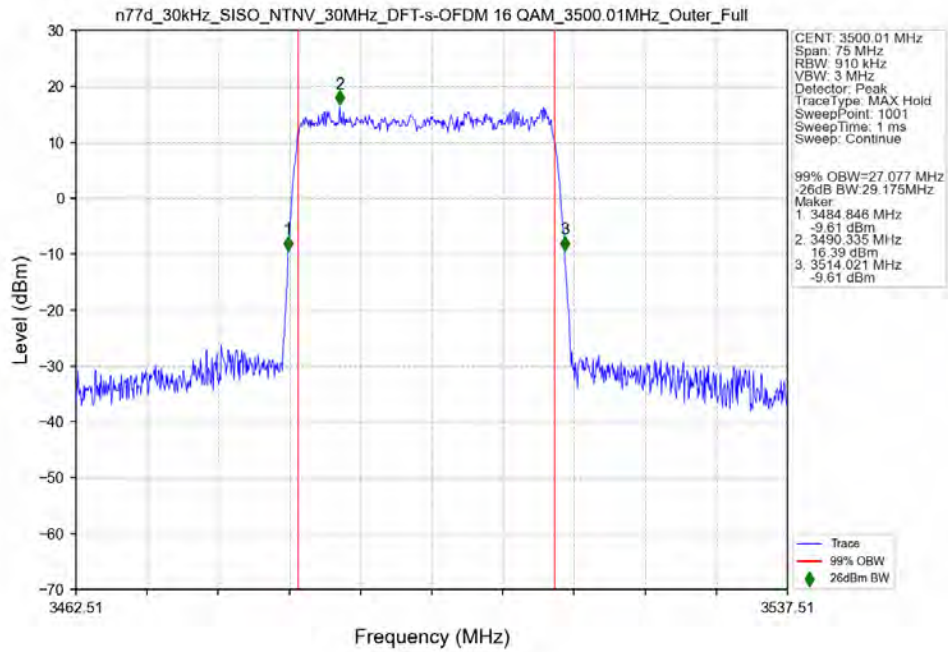
1 3484.947 MHz
-9.04 dBm

2 3507.610 MHz
16.96 dBm

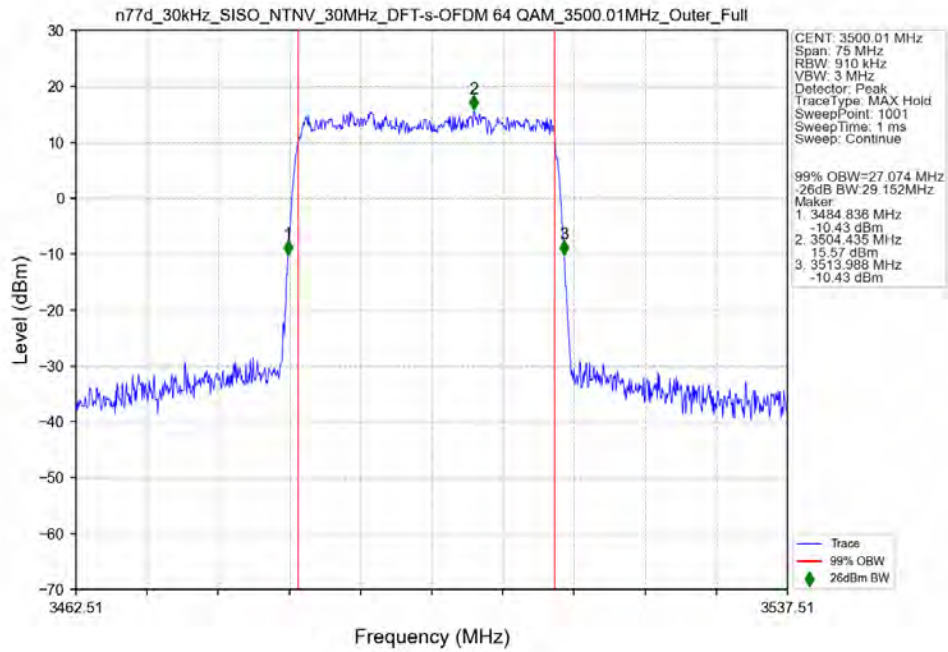
3 3514.029 MHz
-9.04 dBm



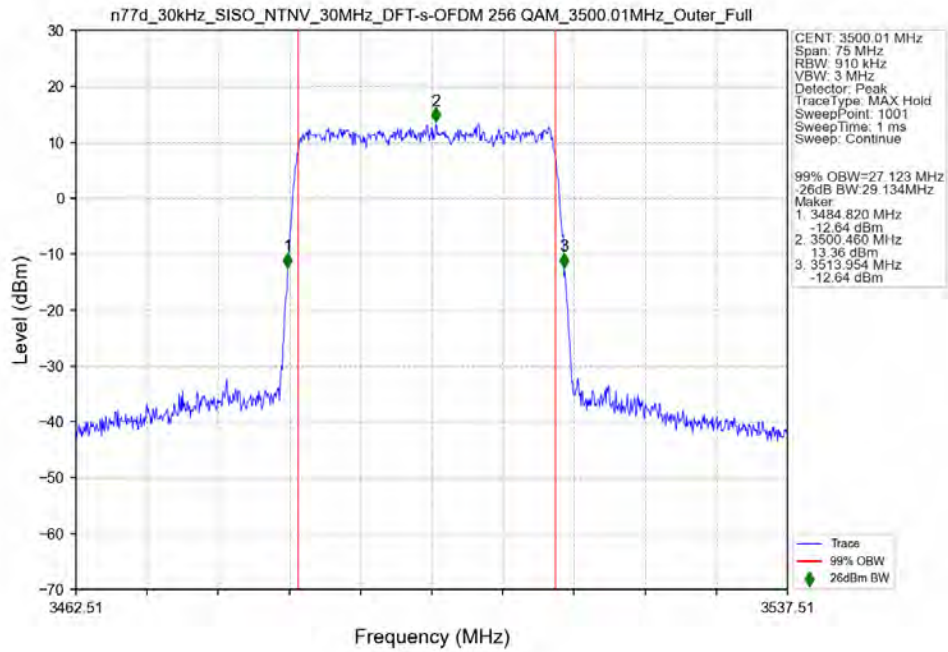
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant11



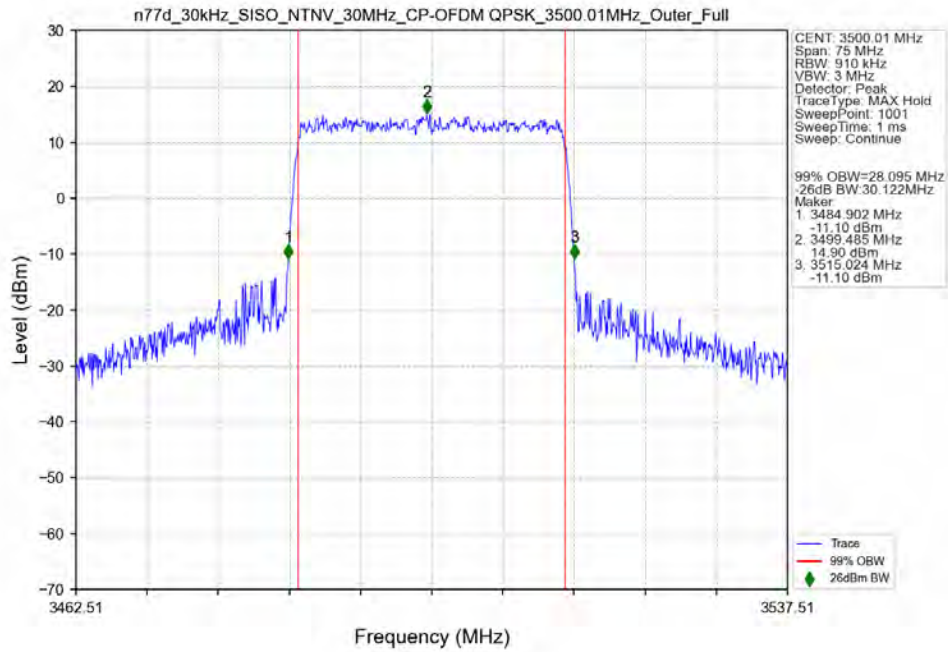
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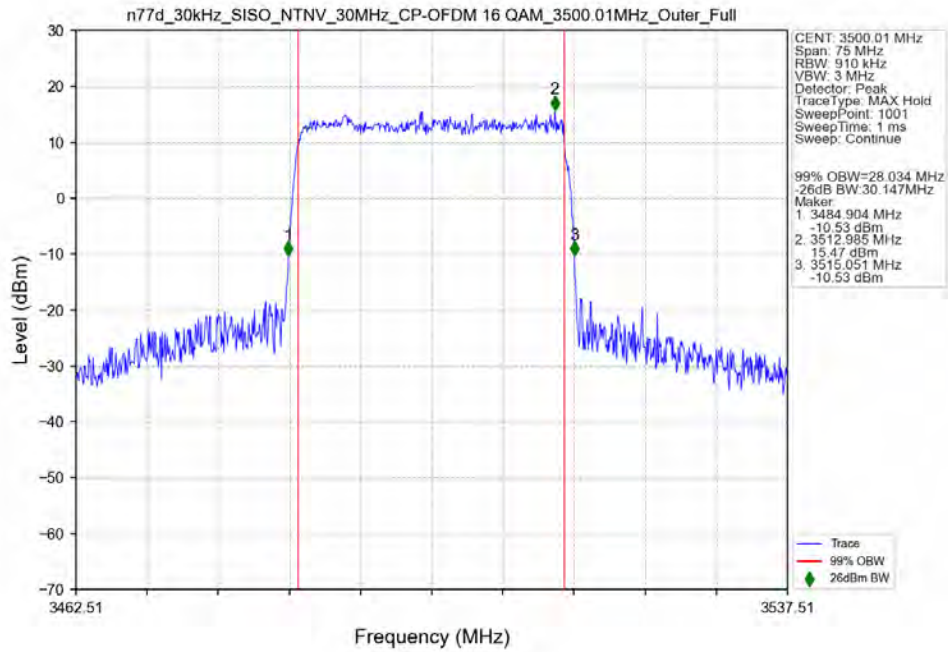
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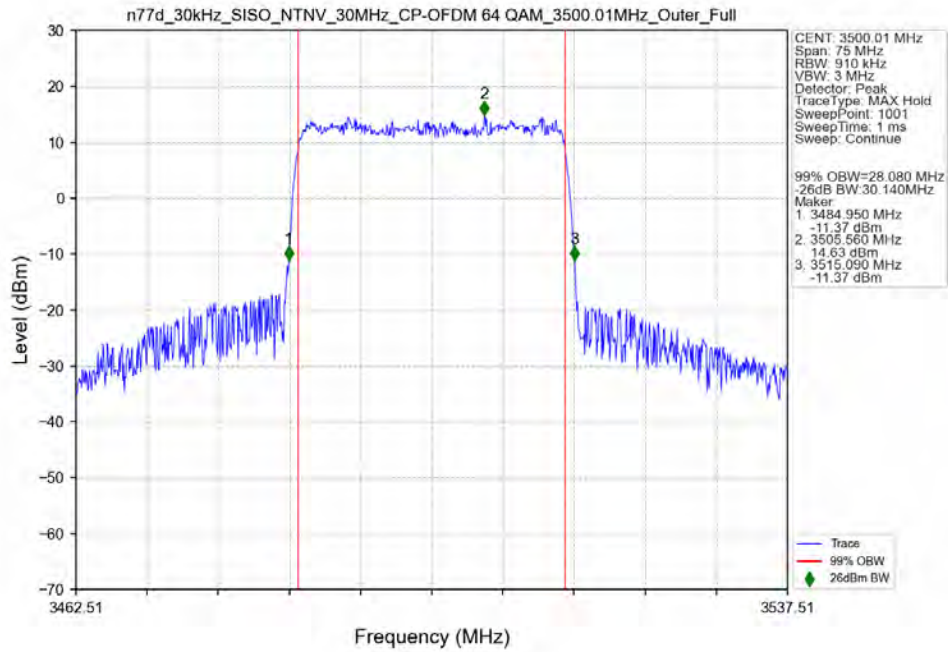
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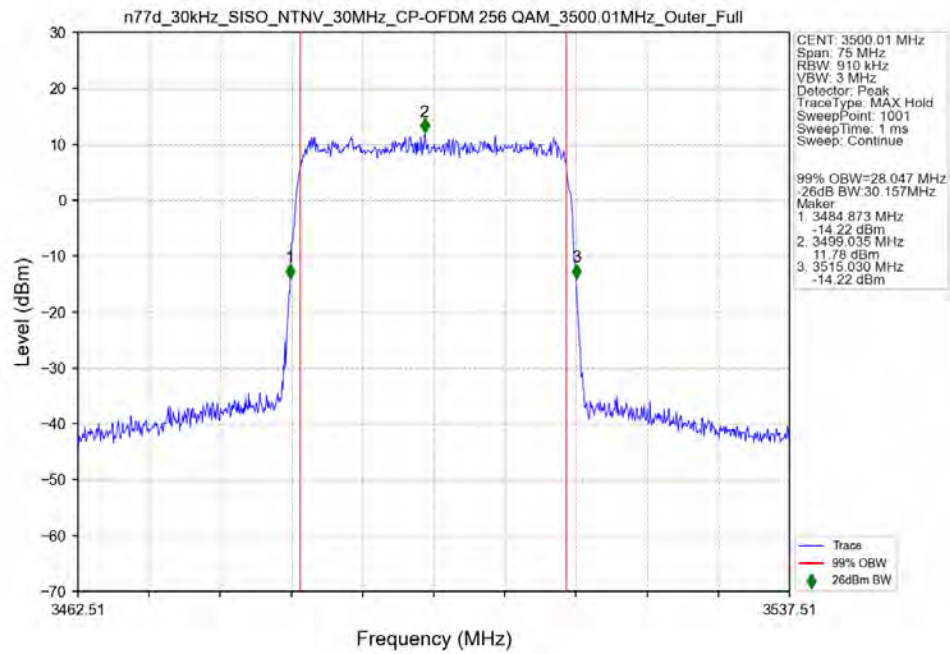
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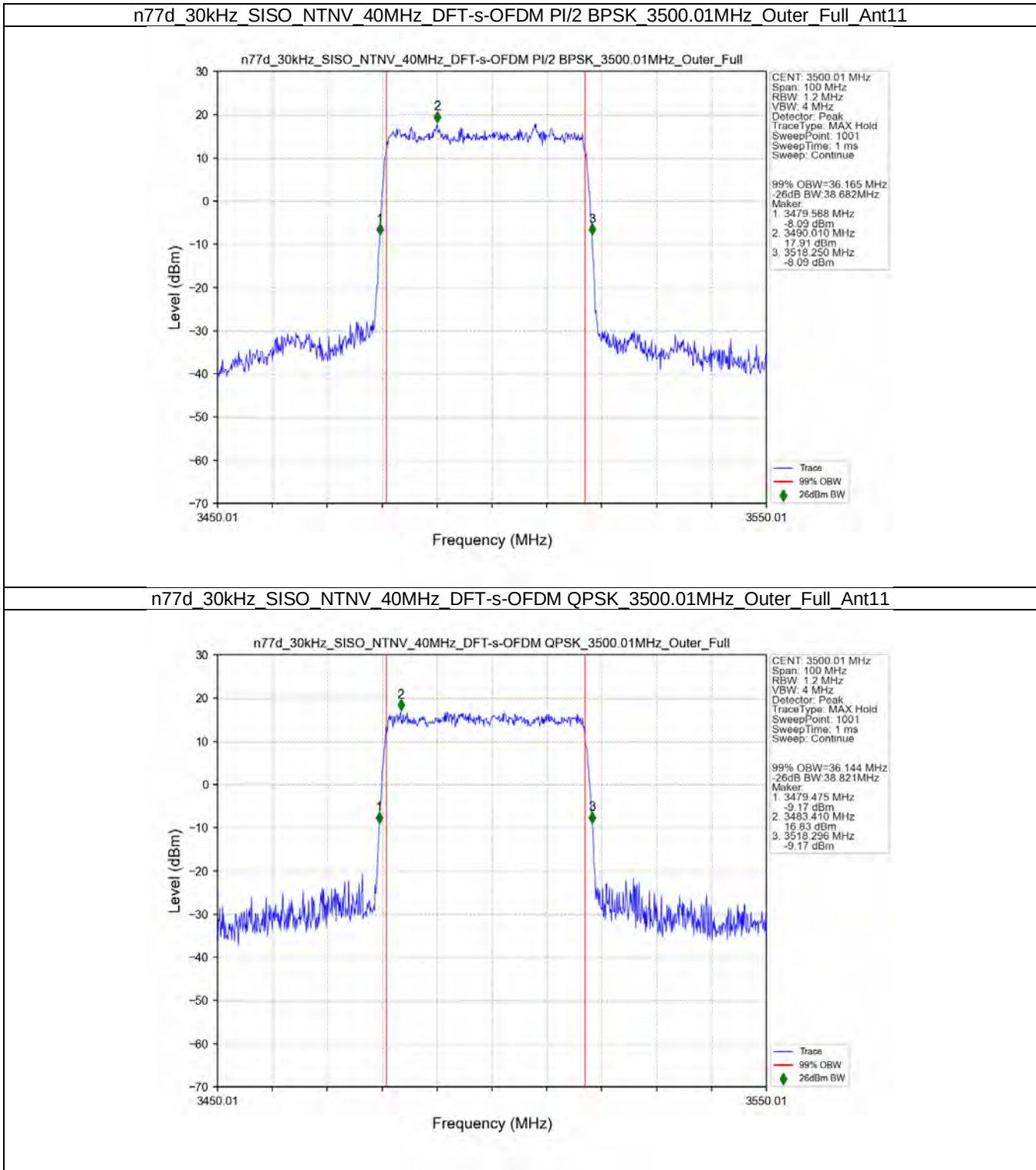
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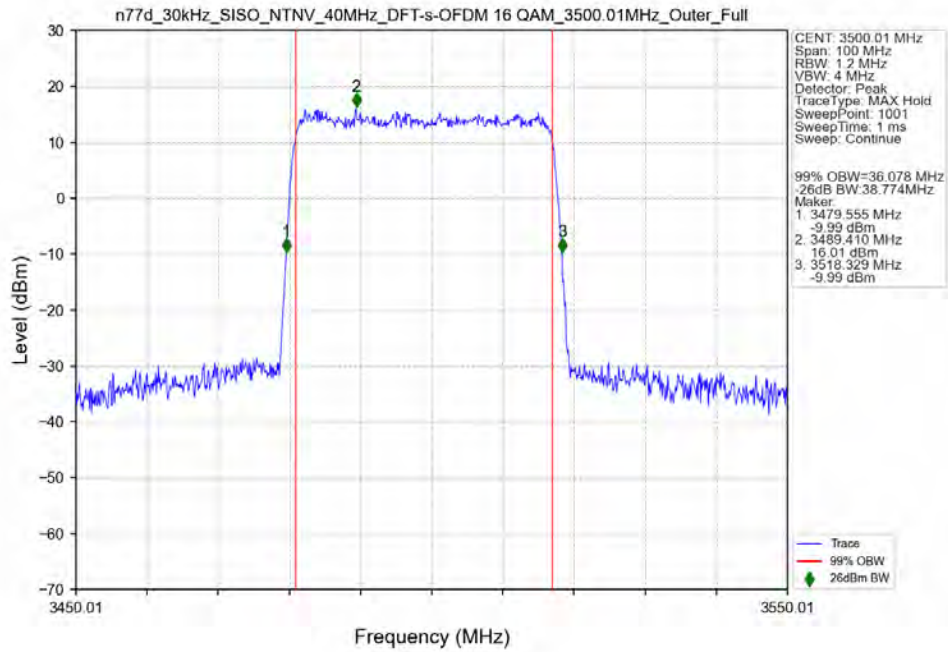
n77d 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant11



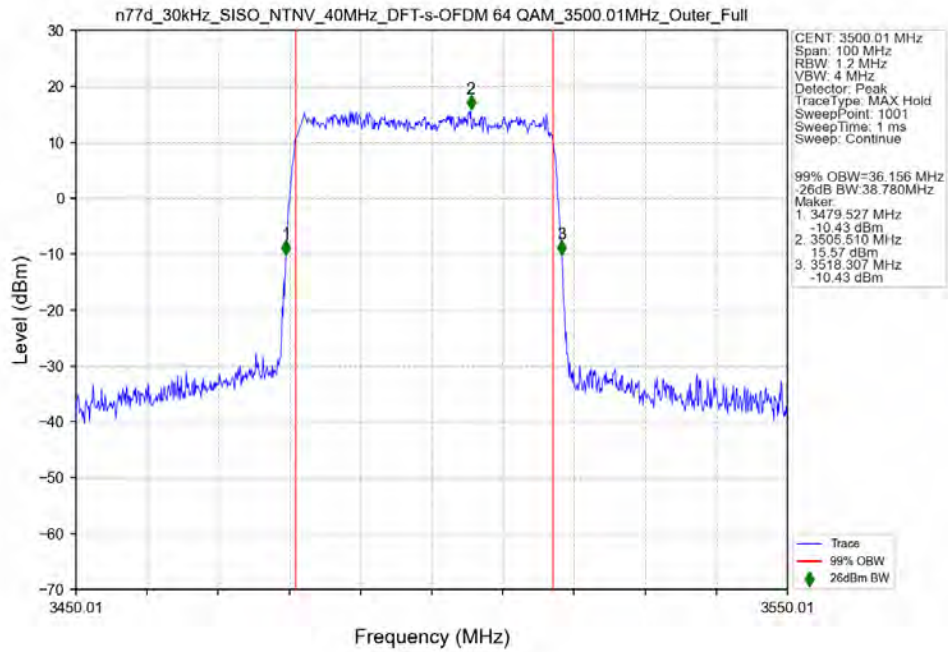
3.2.6 30k_SISO_40MHz_NTNV



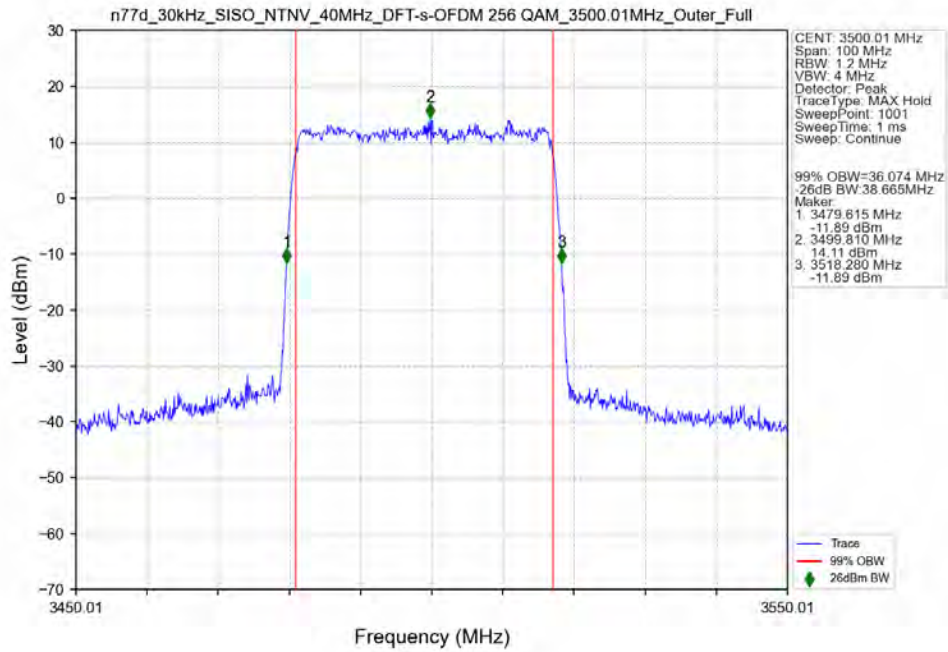
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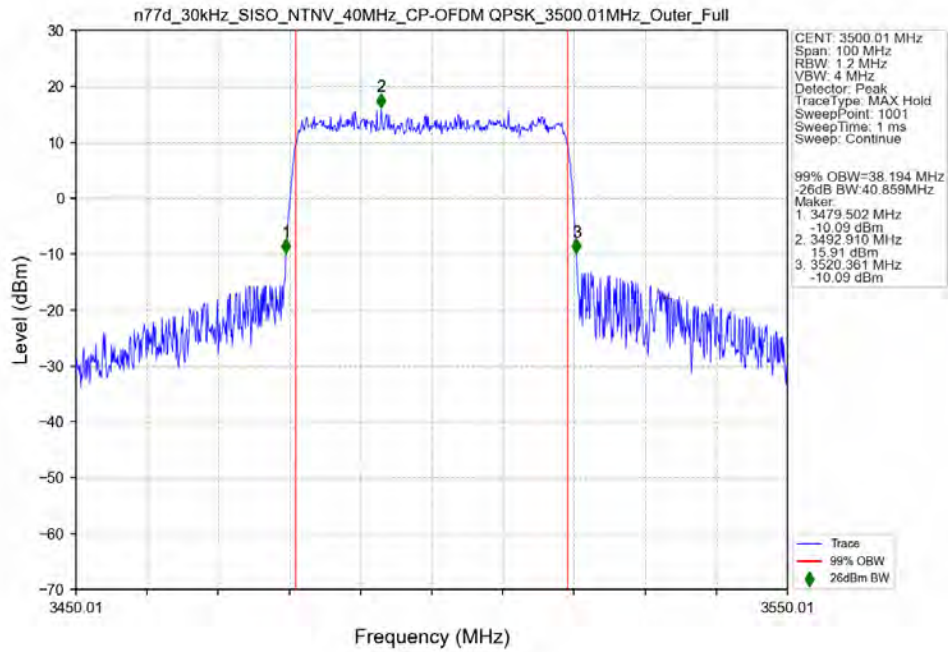
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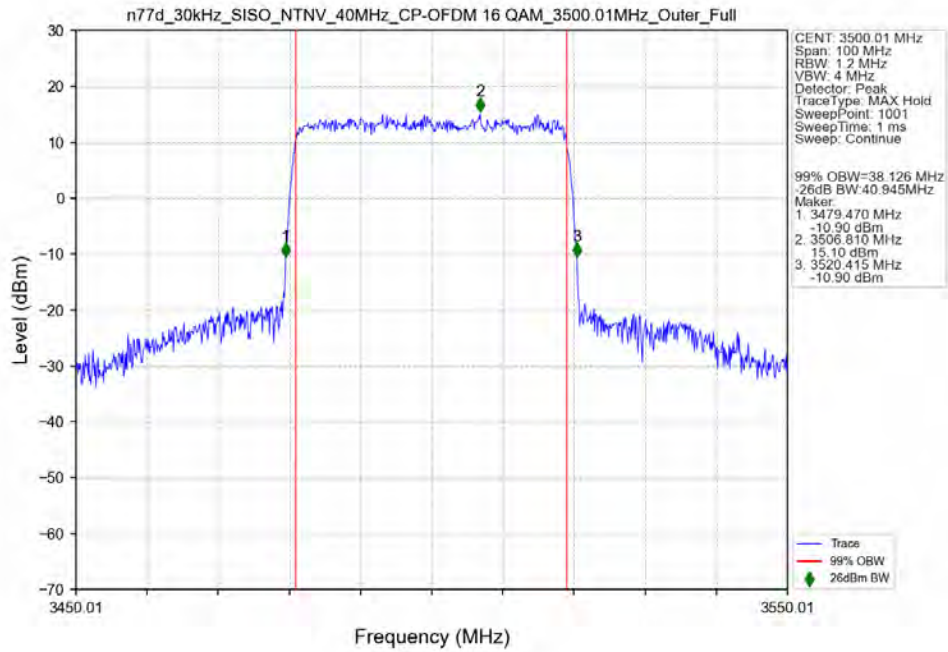
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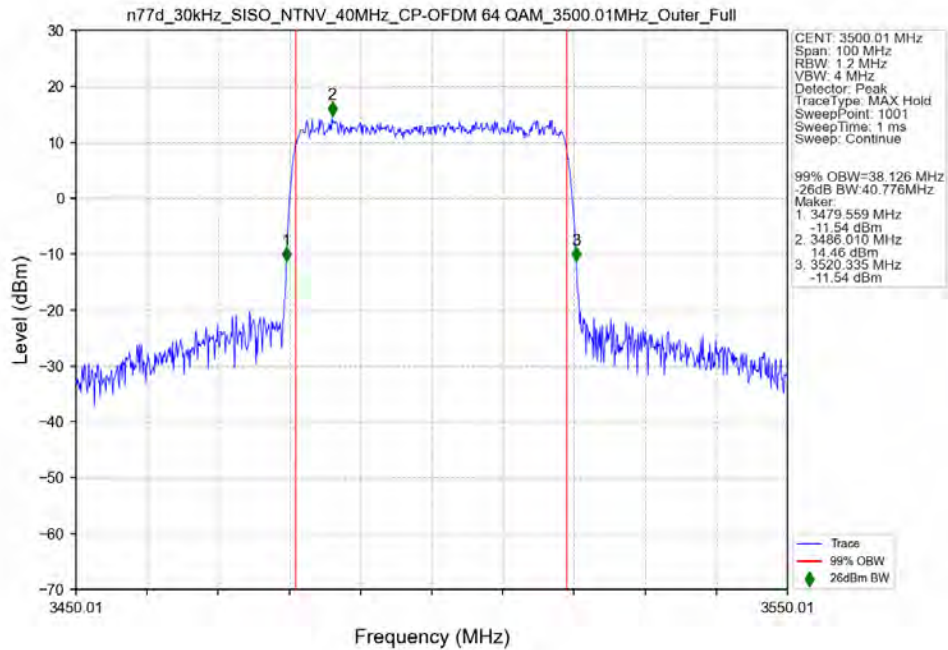
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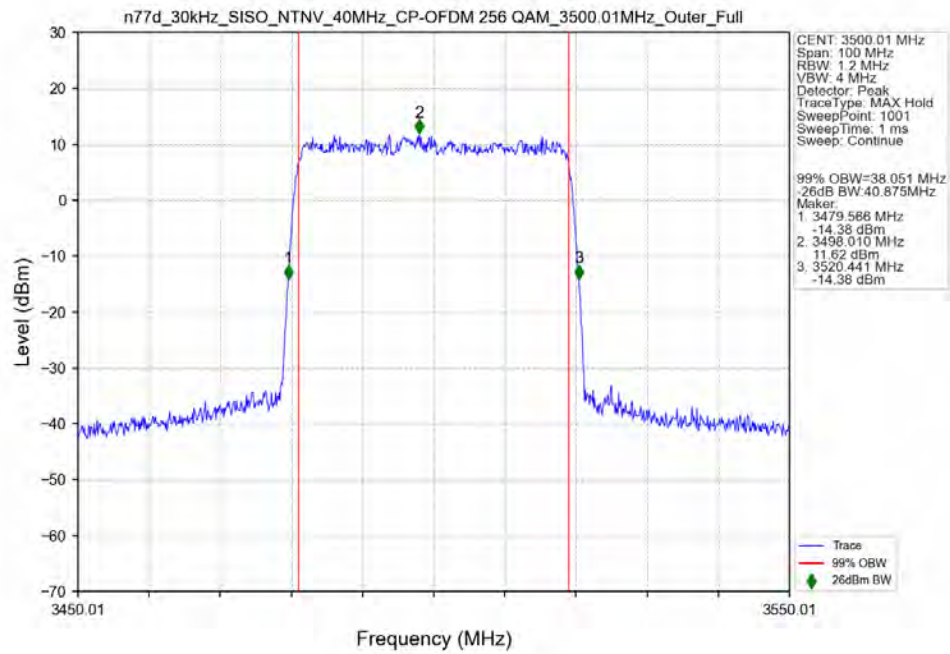
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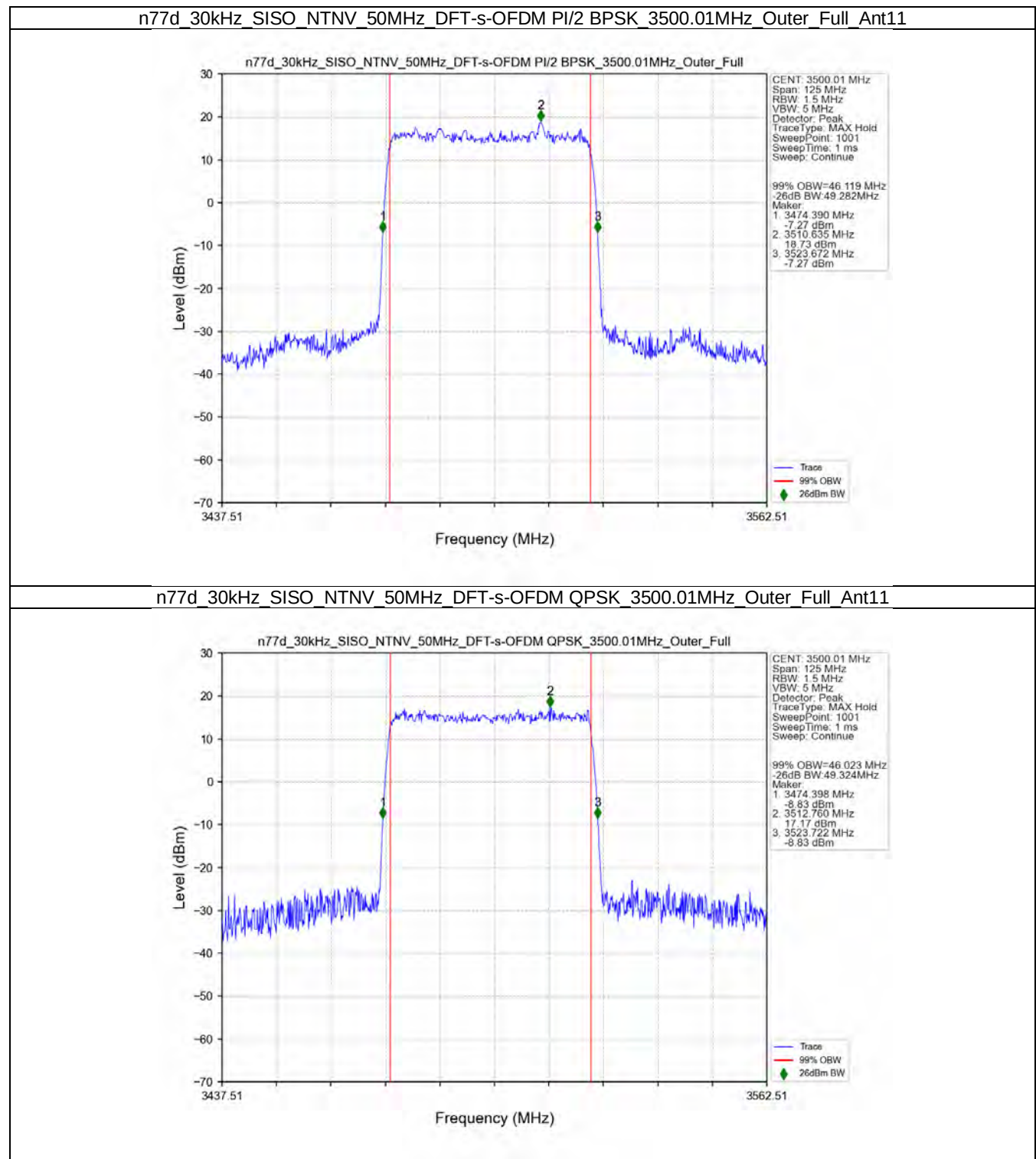
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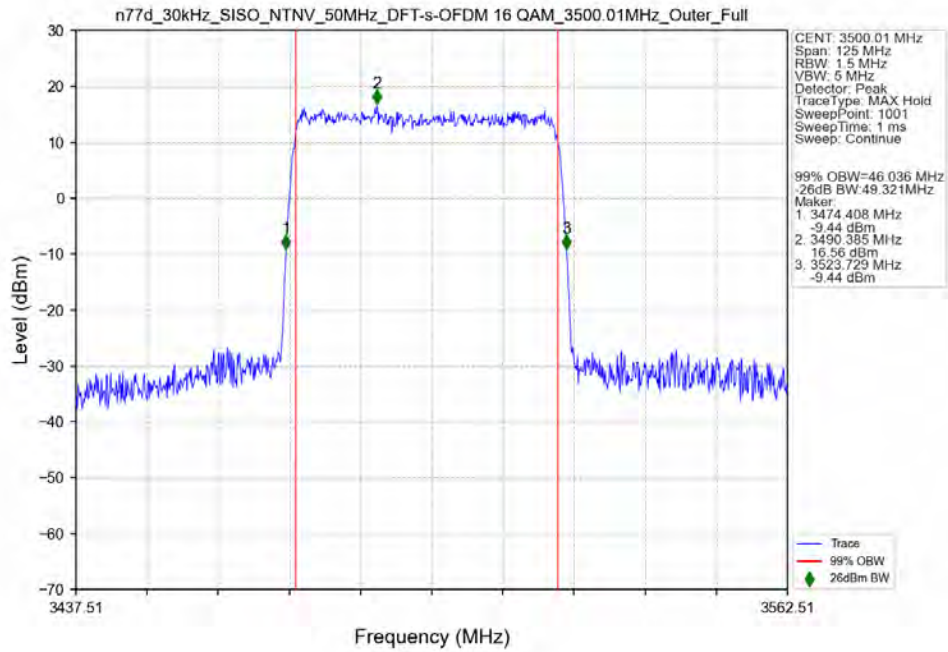
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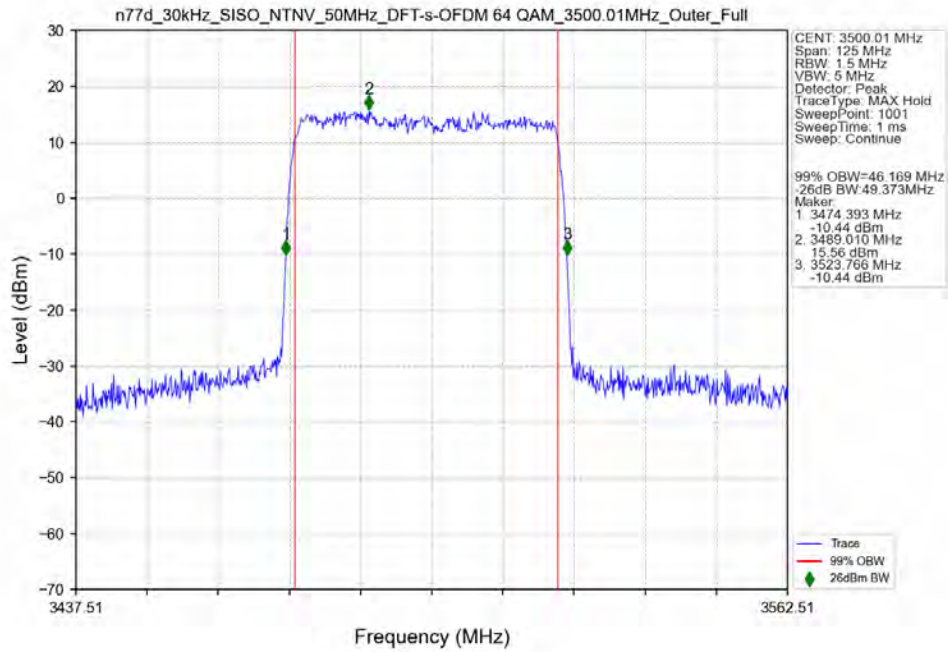
3.2.7 30k_SISO_50MHz_NTNV



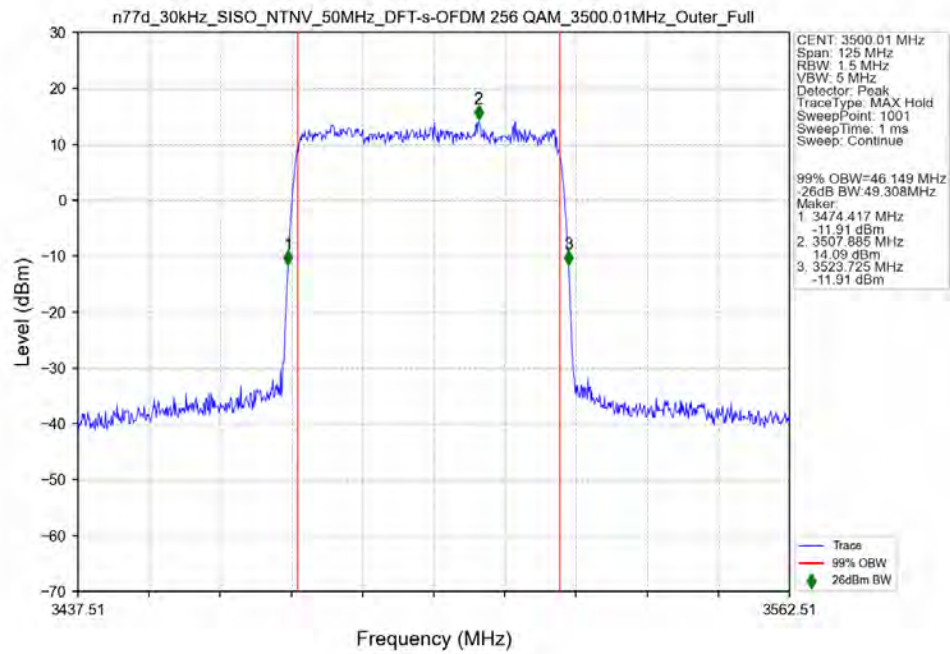
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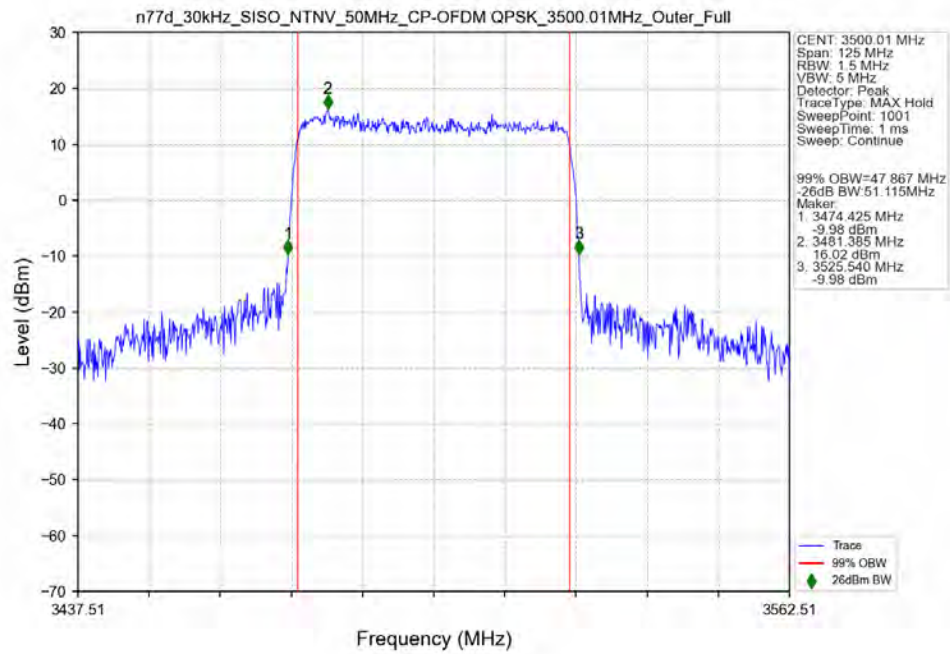
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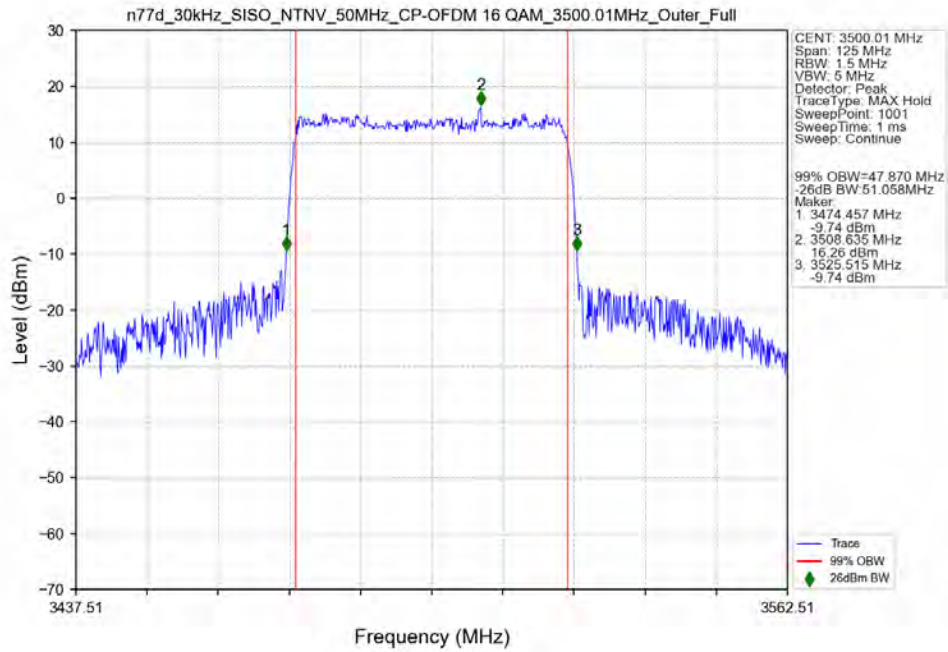
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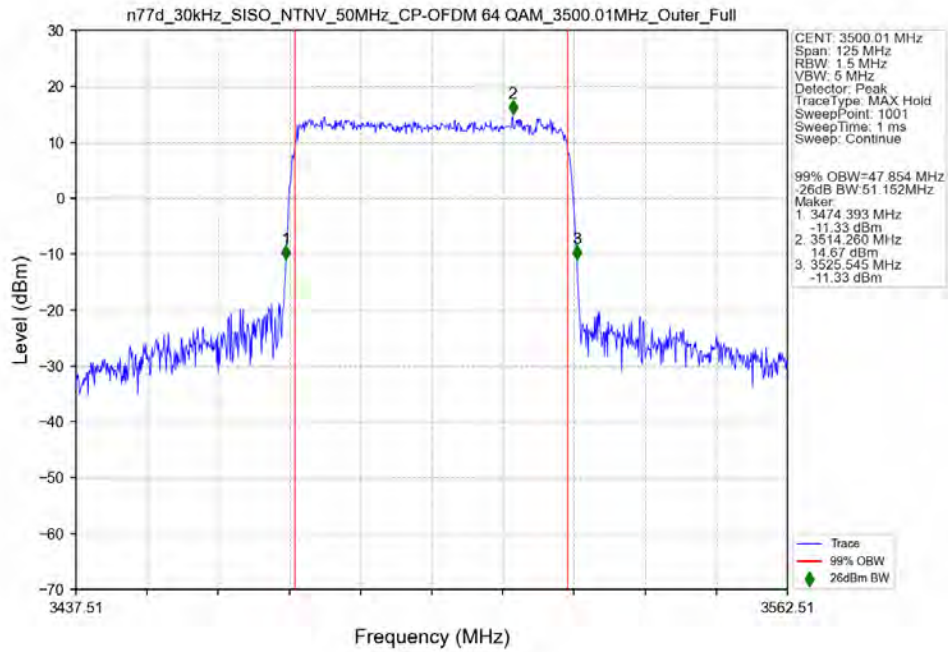
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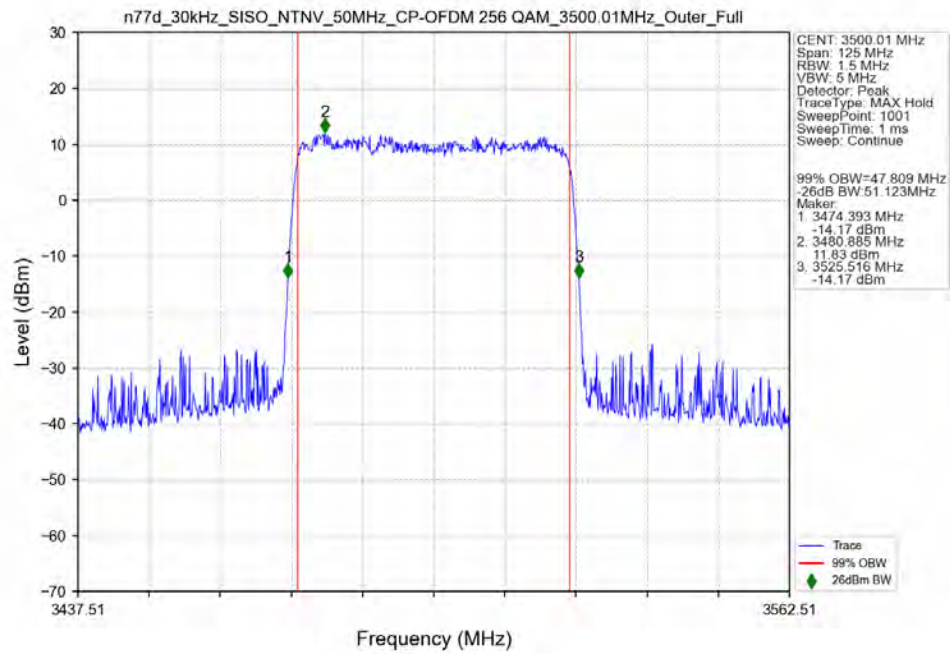
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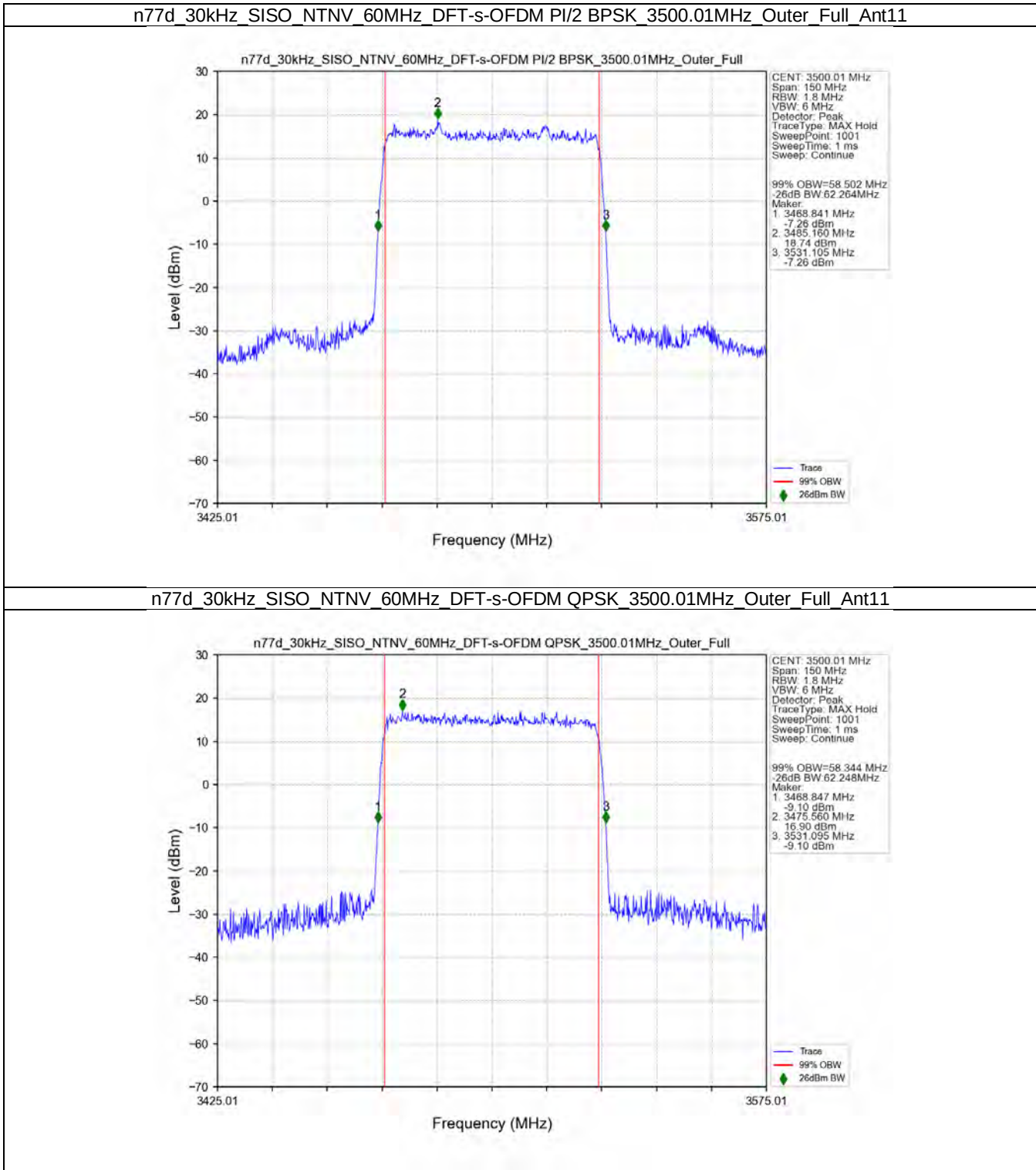
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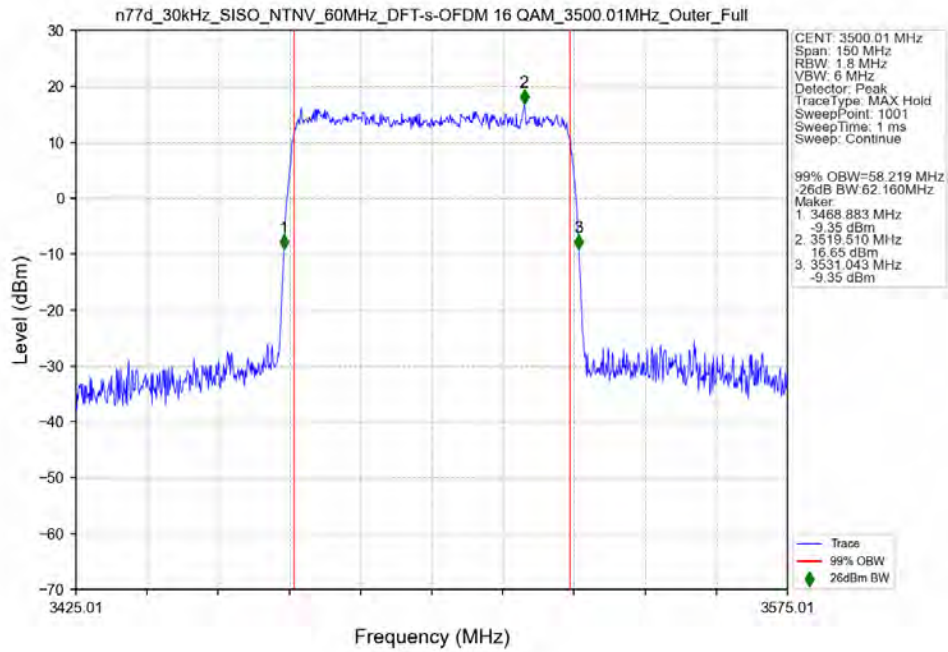
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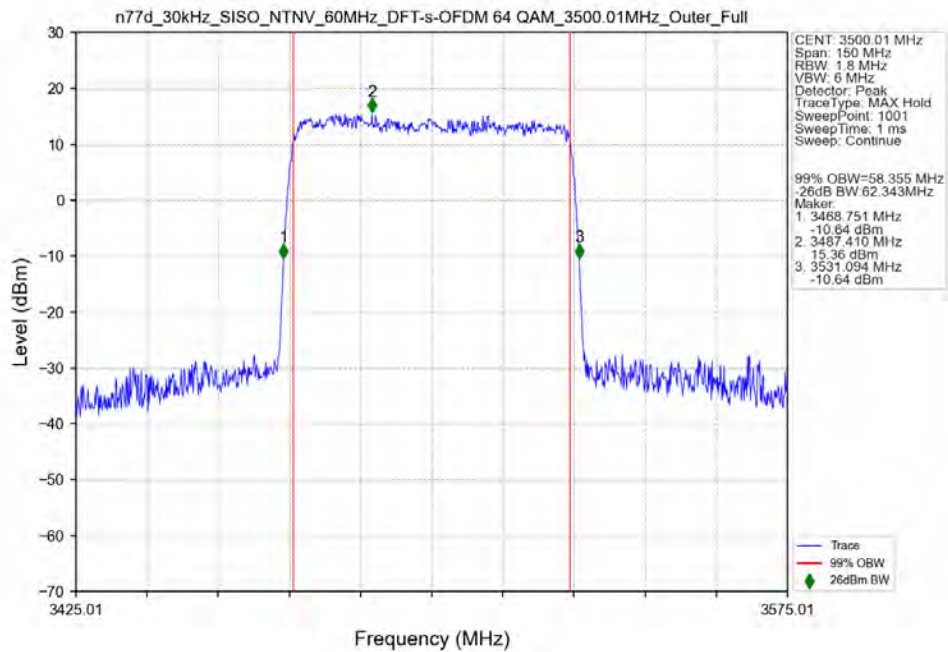
3.2.8 30k_SISO_60MHz_NTNV



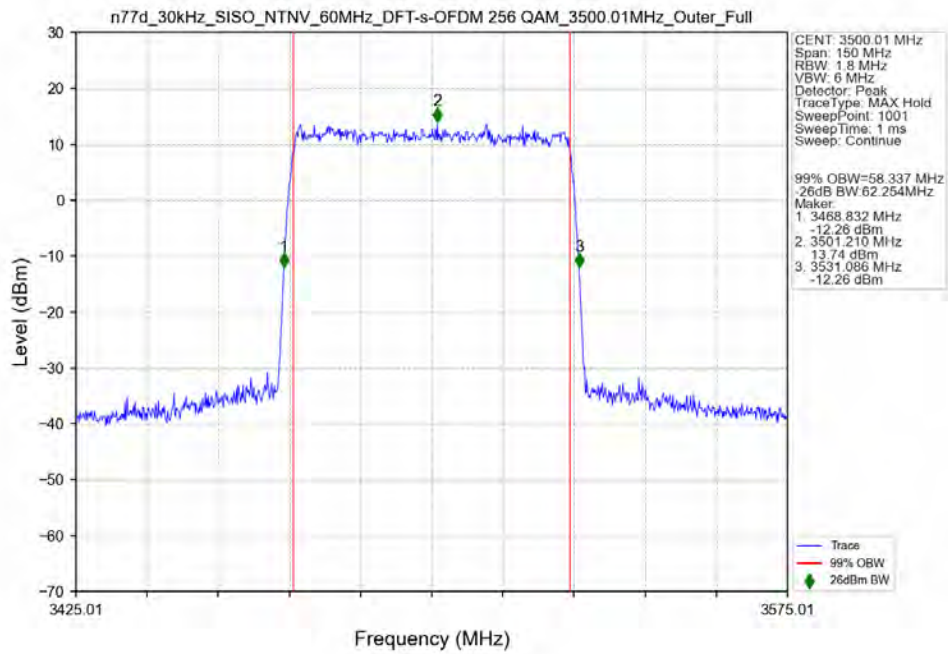
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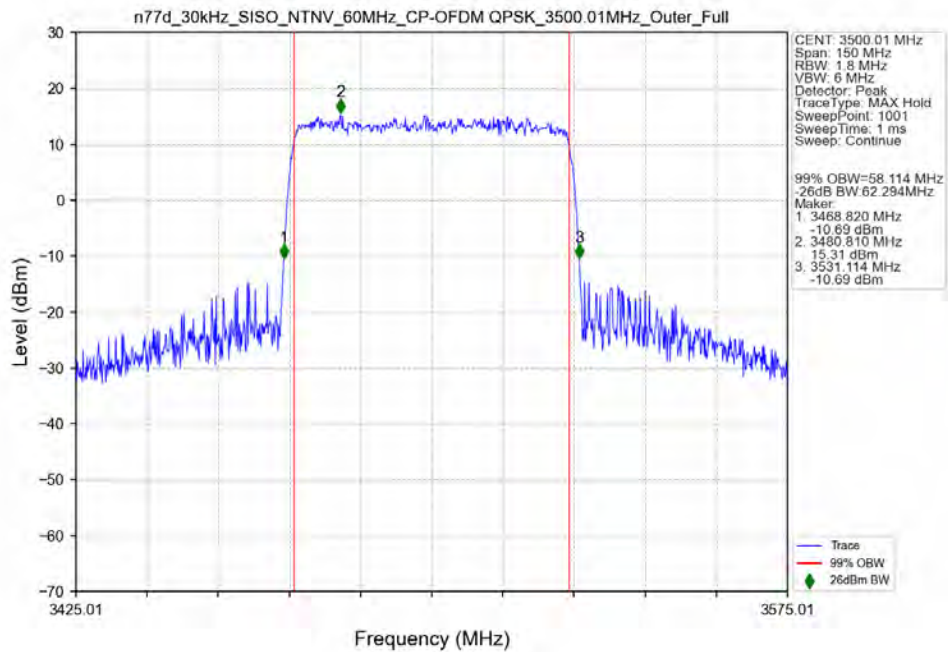
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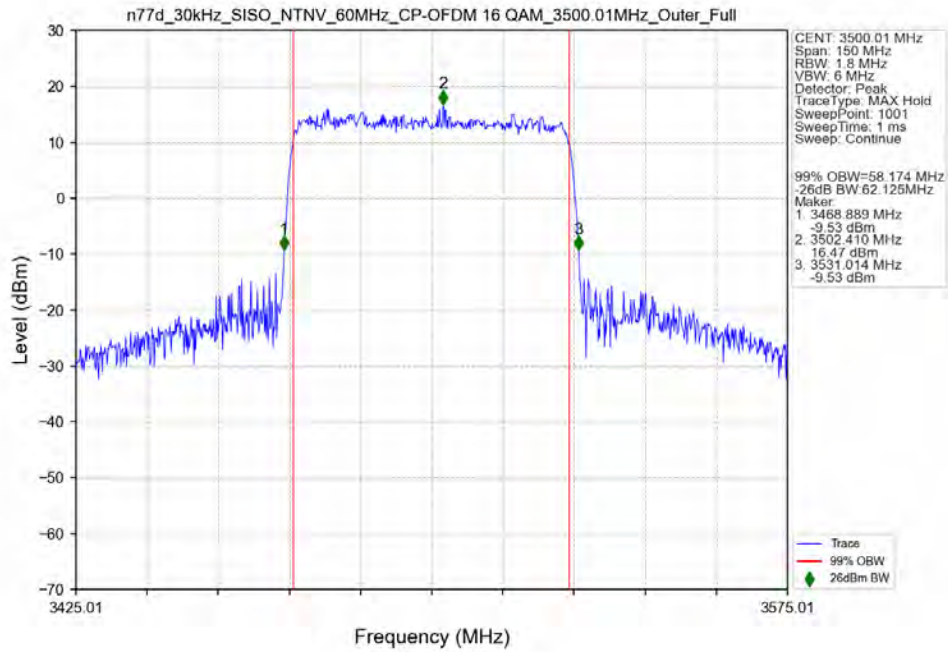
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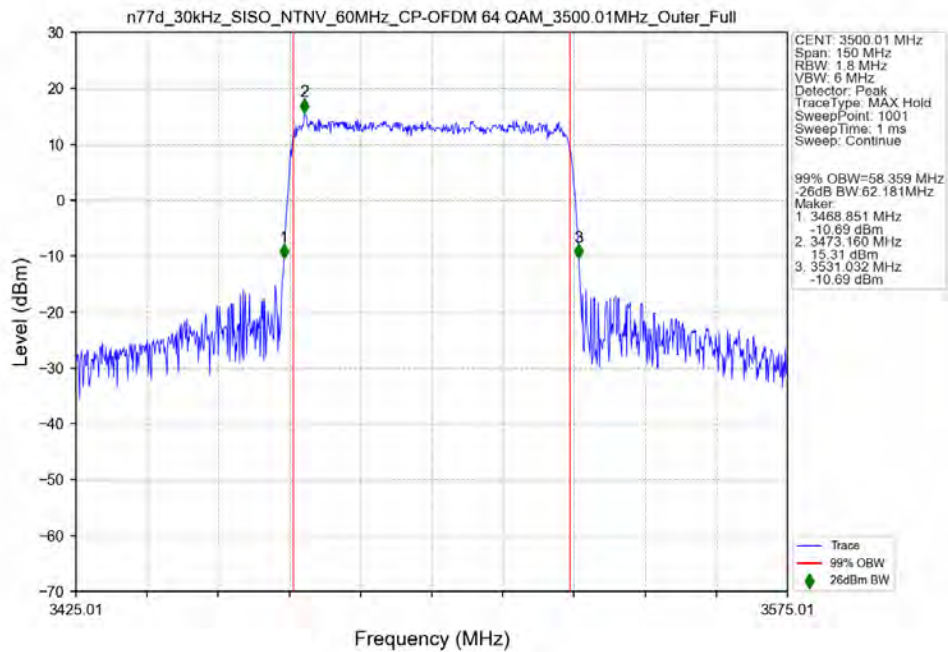
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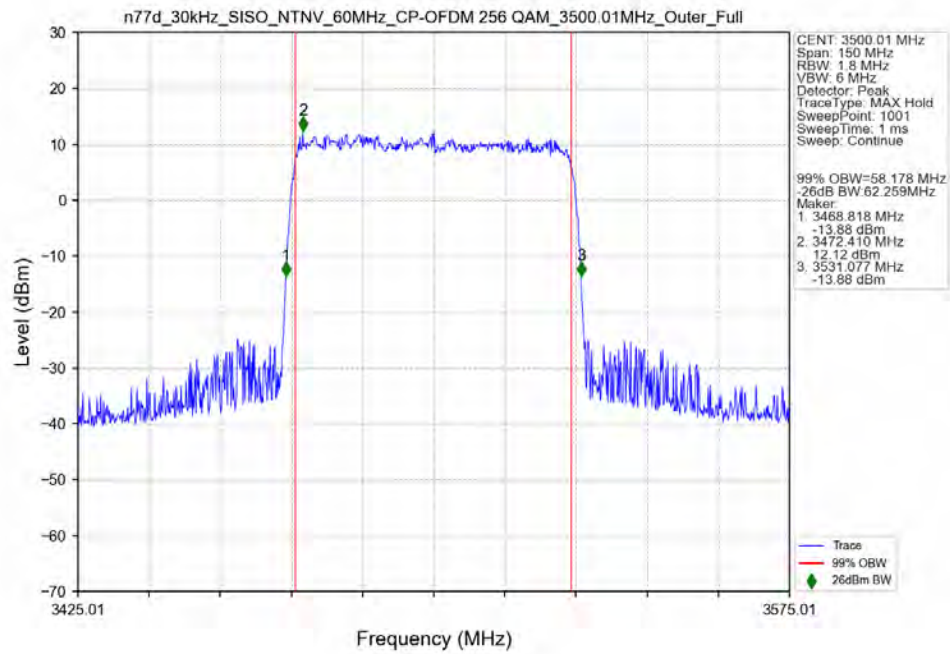
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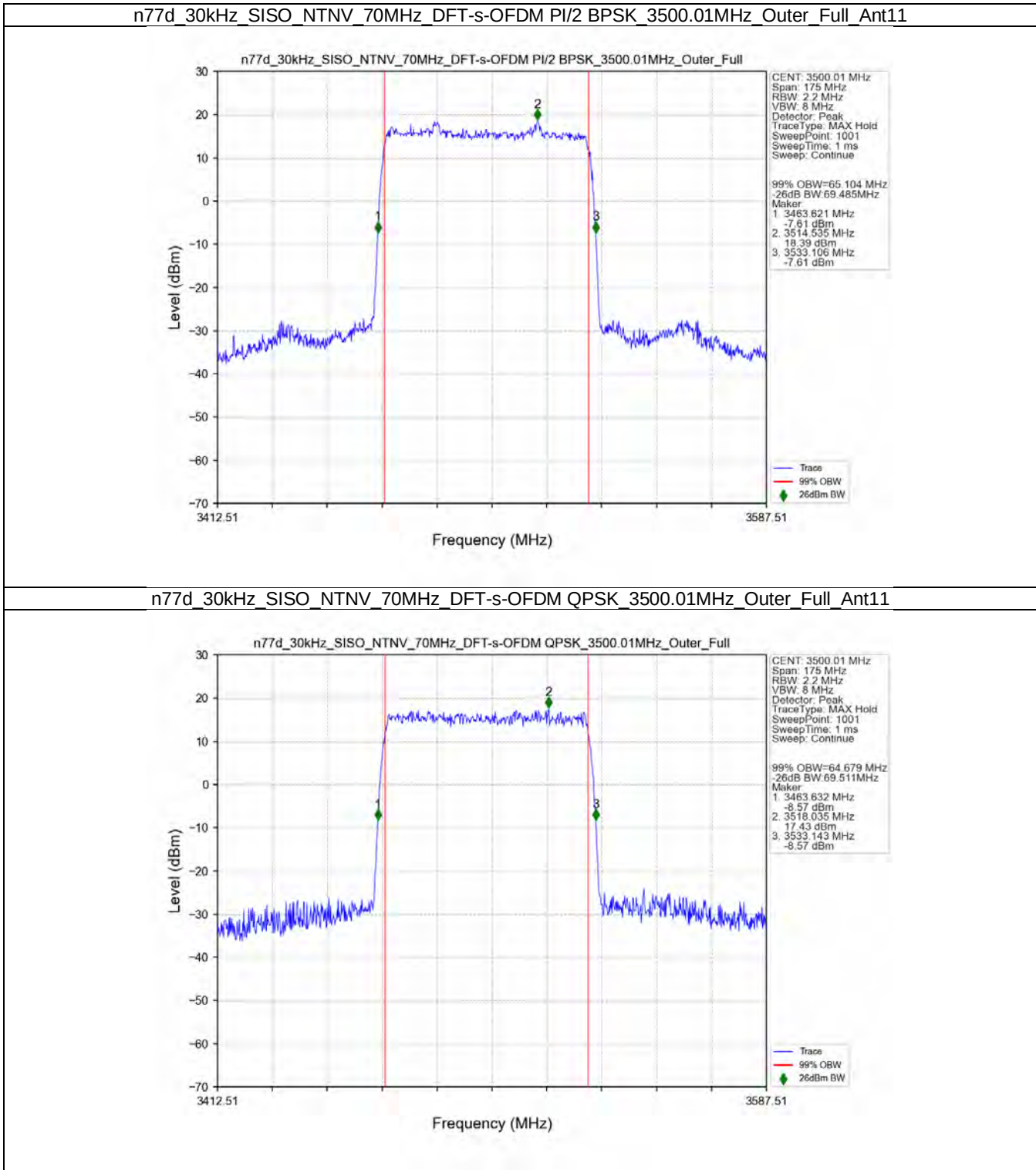
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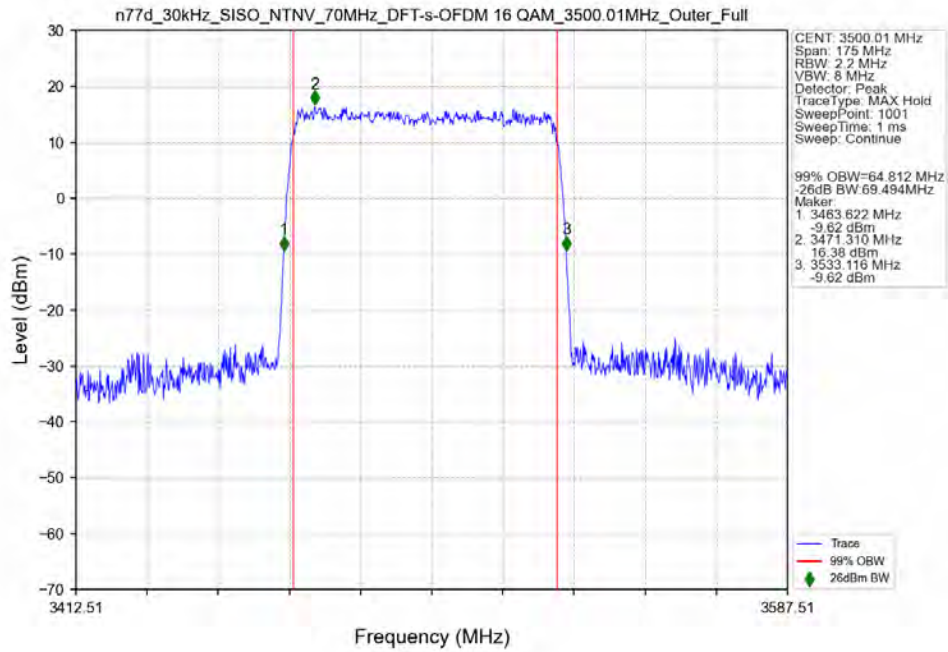
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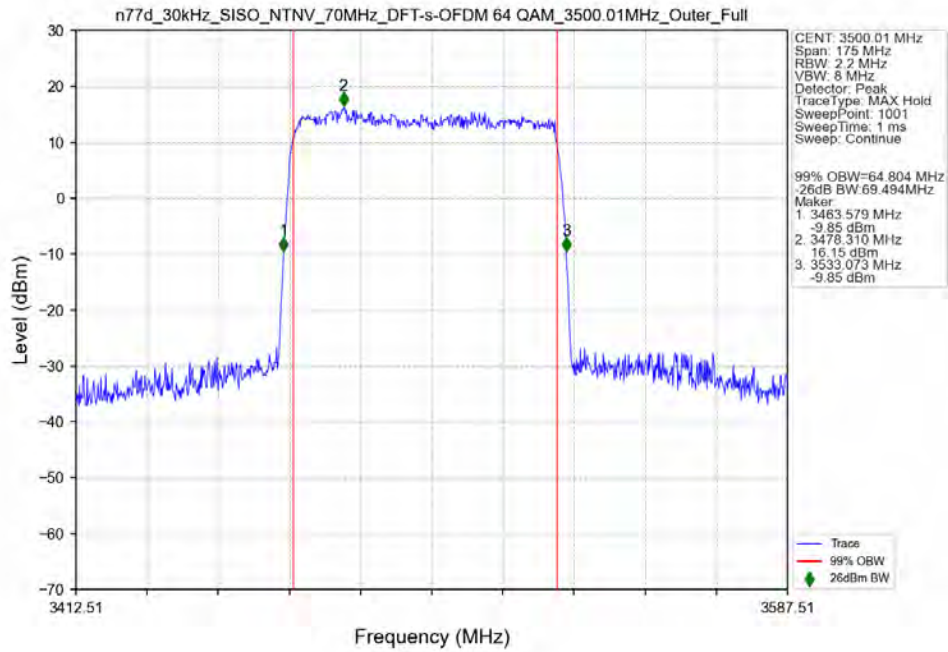
3.2.9 30k_SISO_70MHz_NTNV



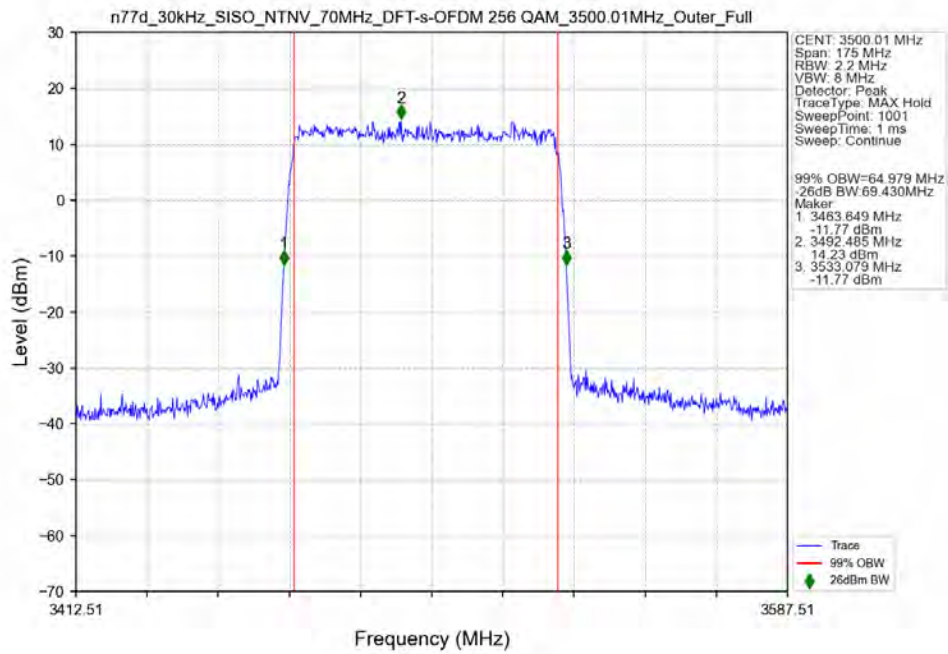
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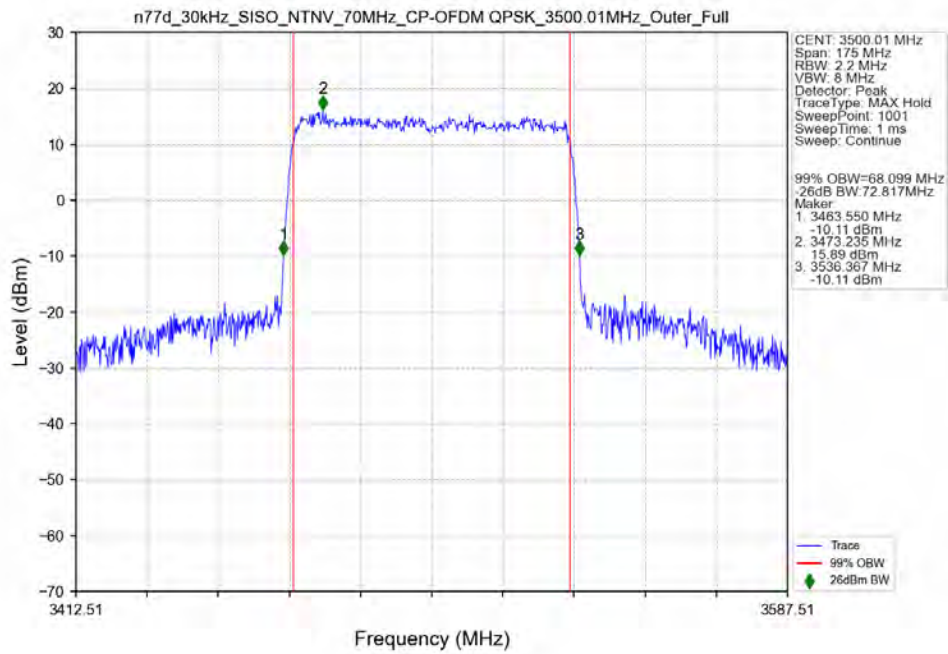
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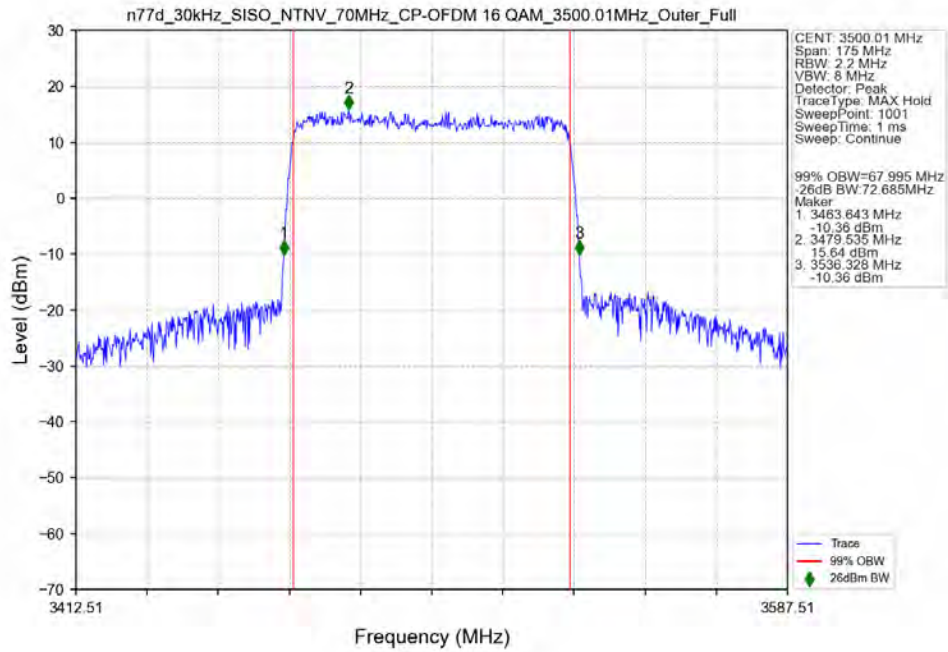
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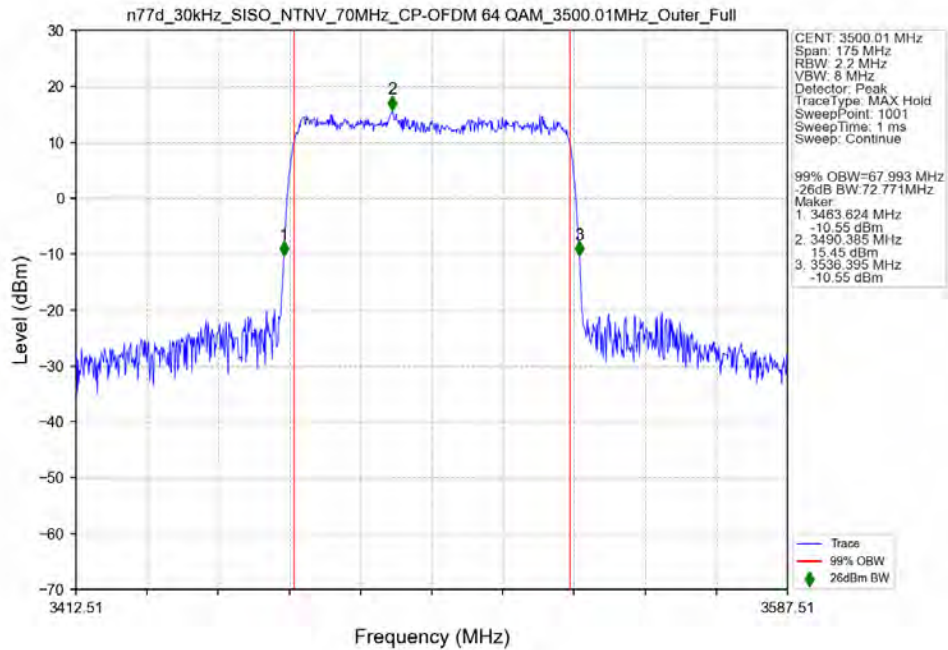
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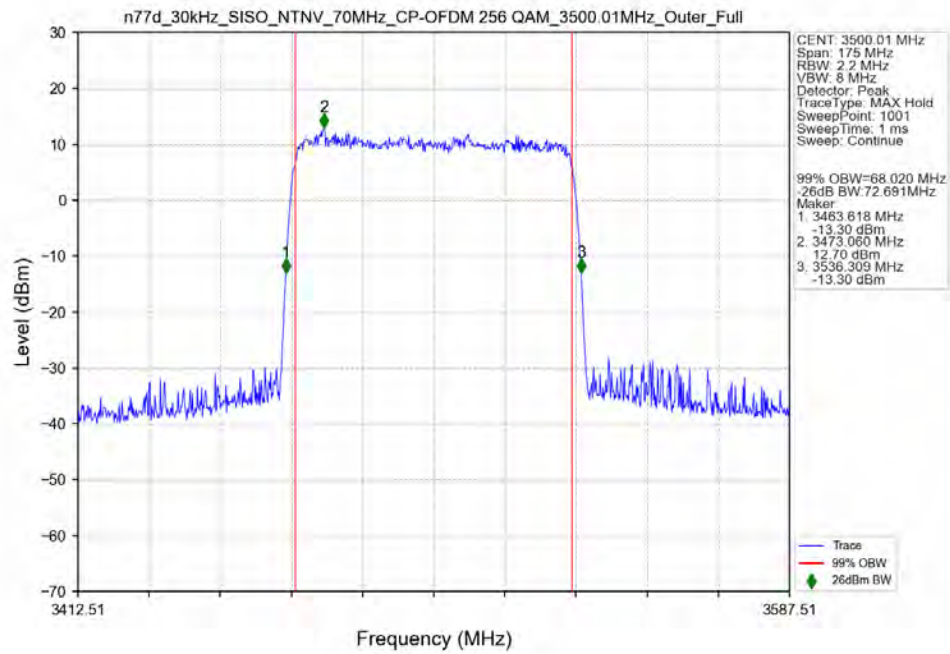
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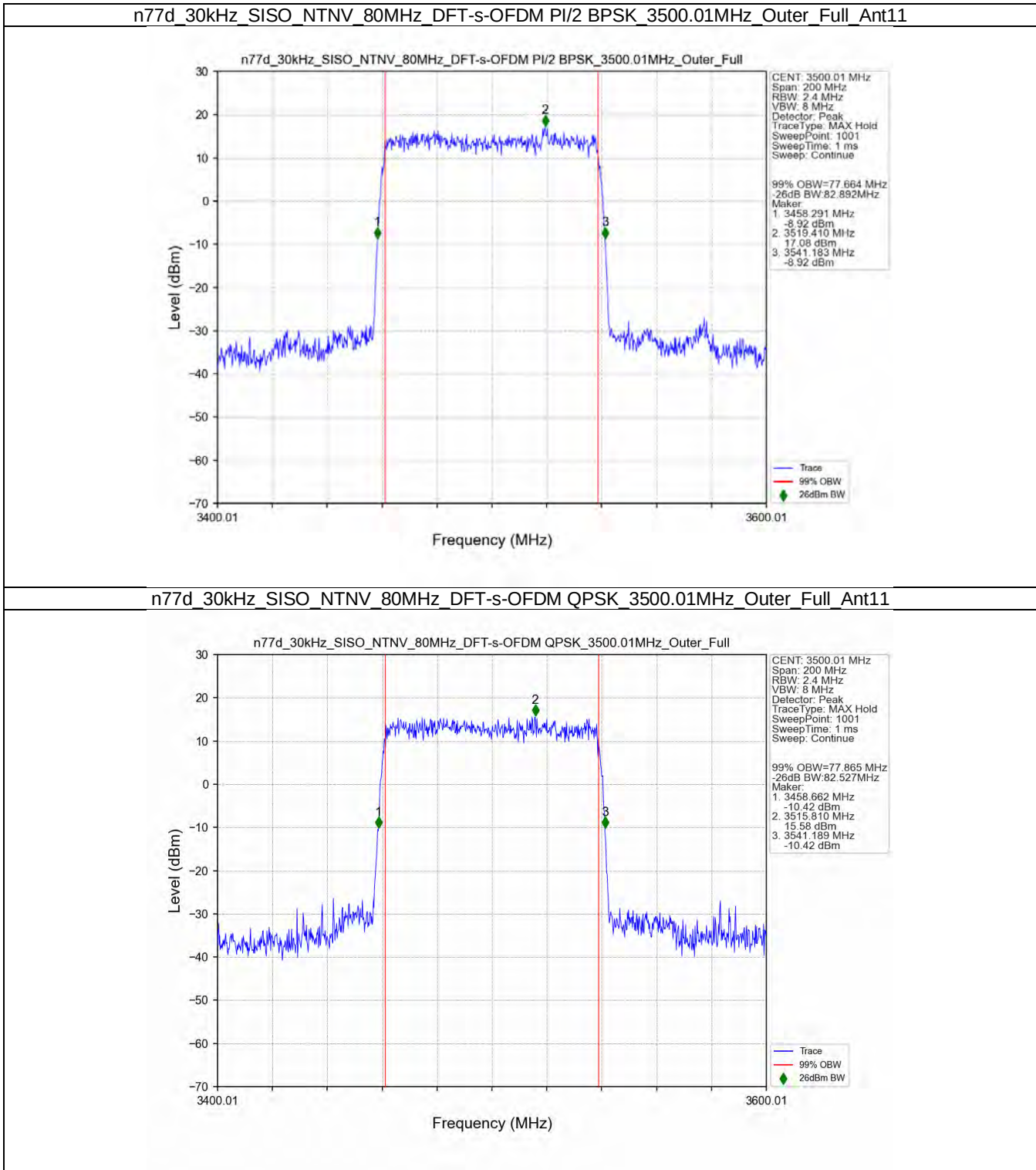
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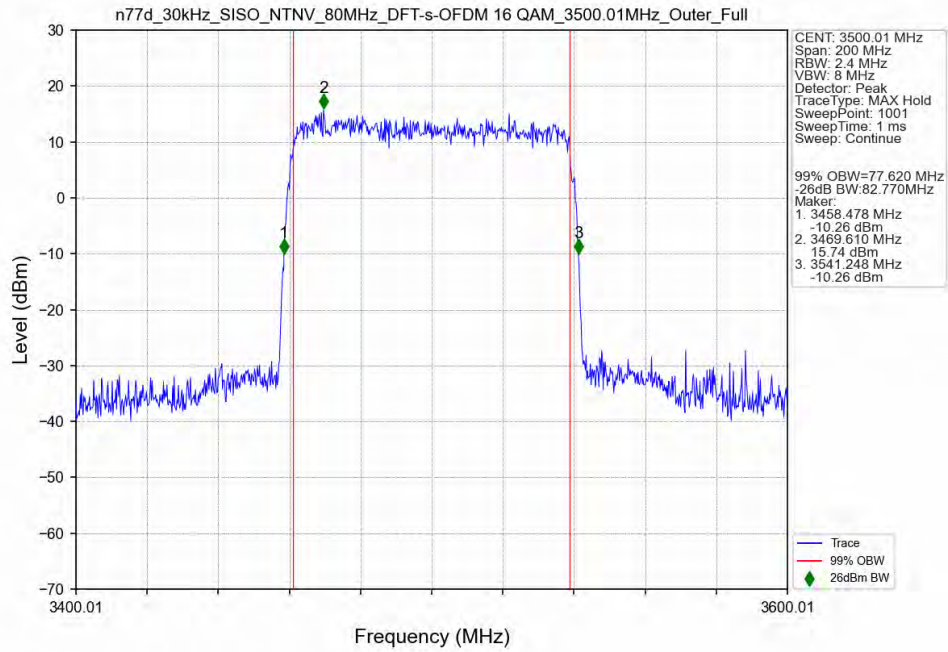
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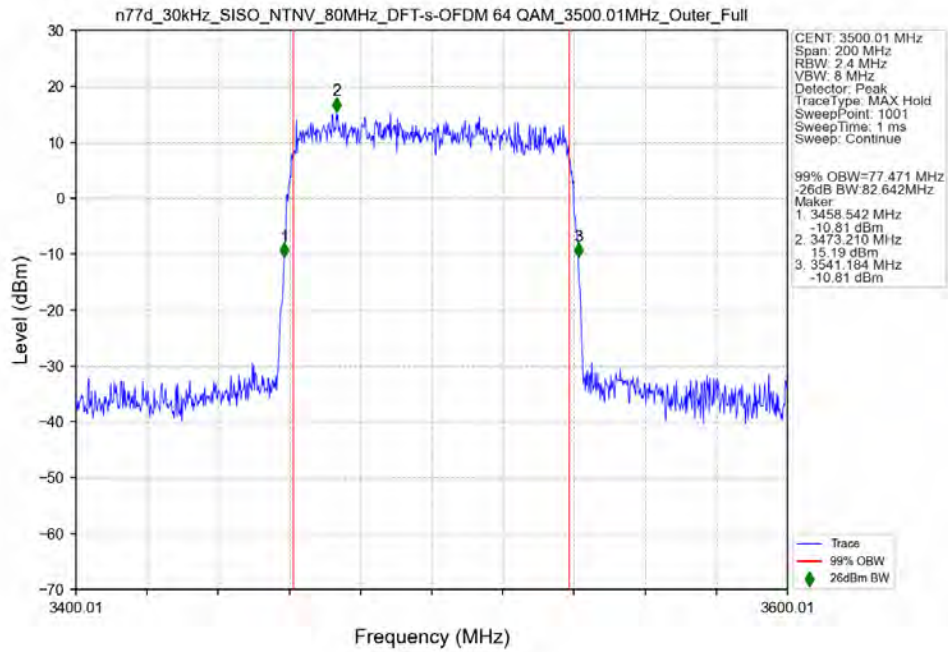
3.2.10 30k_SISO_80MHz_NTNV



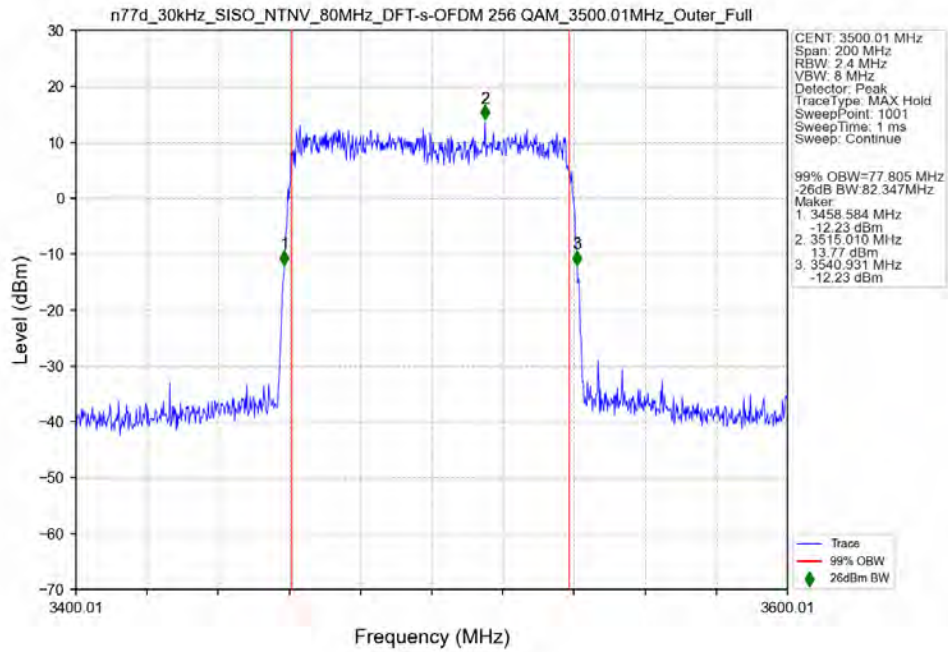
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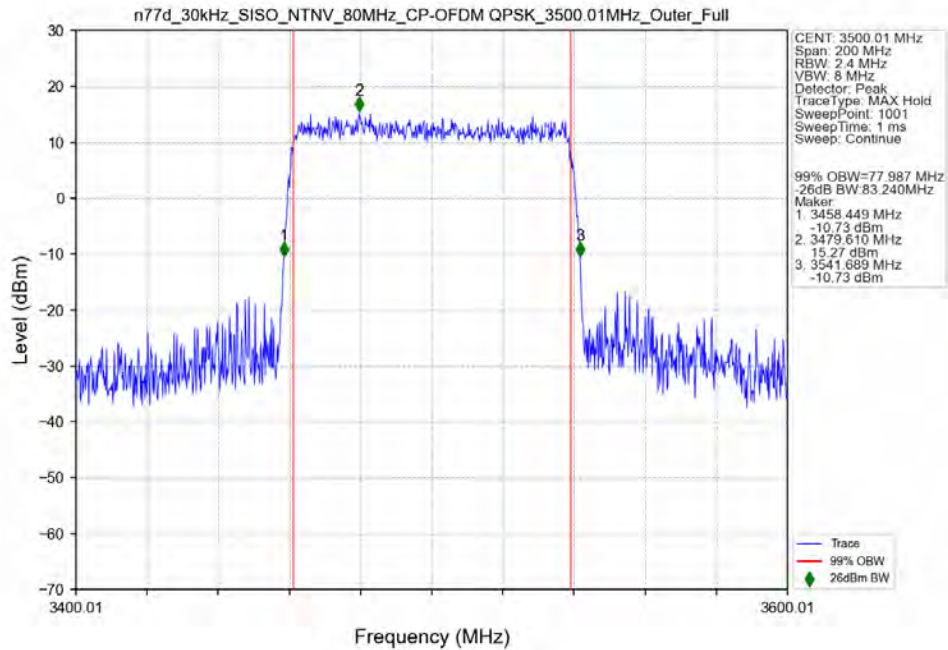
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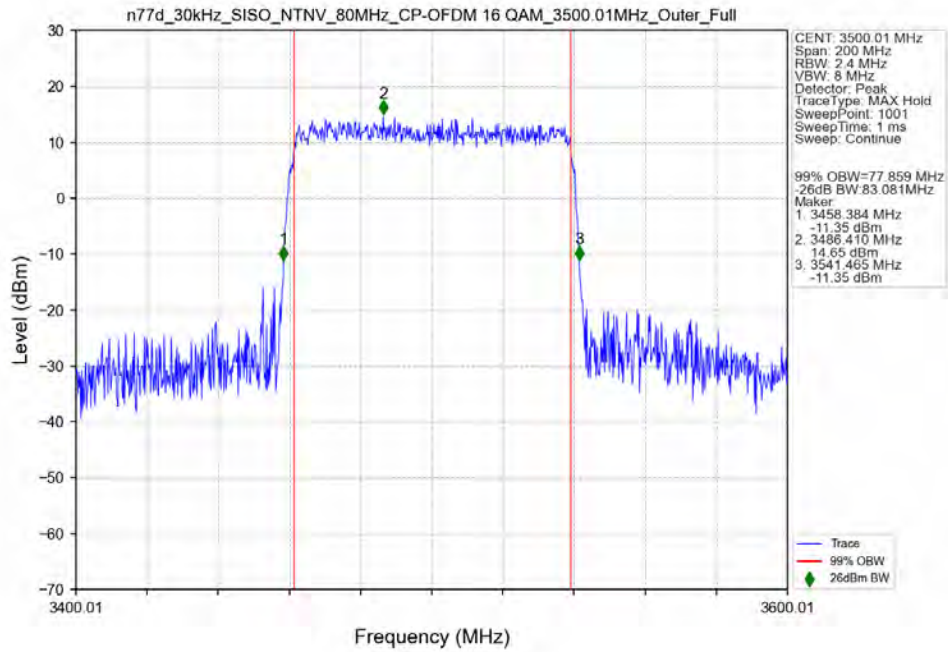
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n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant11



n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM 16 QAM 3500.01MHz Outer Full Ant11



n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM 3500.01MHz Outer Full Ant11

