

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30k_SISO_20MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3460.02	Edge_1RB_Left	21.70	/	/	24.76	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	24.51	/	/	<=30	Pass
		Outer_Full	24.45	/	/	27.51	/	/	<=30	Pass
		Inner_Full	24.92	/	/	27.98	/	/	<=30	Pass
		Inner_1RB_Left	24.98	/	/	28.04	/	/	<=30	Pass
	Inner_1RB_Right	24.90	/	/	27.96	/	/	<=30	Pass	
	3500.01	Edge_1RB_Left	21.81	/	/	24.87	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	25.05	/	/	<=30	Pass
		Outer_Full	24.90	/	/	27.96	/	/	<=30	Pass
		Inner_Full	25.37	/	/	28.43	/	/	<=30	Pass
		Inner_1RB_Left	25.31	/	/	28.37	/	/	<=30	Pass
	Inner_1RB_Right	25.47	/	/	28.53	/	/	<=30	Pass	
	3540	Edge_1RB_Left	22.29	/	/	25.35	/	/	<=30	Pass
		Edge_1RB_Right	22.21	/	/	25.27	/	/	<=30	Pass
		Outer_Full	24.77	/	/	27.83	/	/	<=30	Pass
Inner_Full		26.55	/	/	29.61	/	/	<=30	Pass	
Inner_1RB_Left		25.67	/	/	28.73	/	/	<=30	Pass	
Inner_1RB_Right	25.63	/	/	28.69	/	/	<=30	Pass		
DFT-s-OFDM QPSK	3460.02	Edge_1RB_Left	21.55	/	/	24.61	/	/	<=30	Pass
		Edge_1RB_Right	21.48	/	/	24.54	/	/	<=30	Pass
		Outer_Full	23.88	/	/	26.94	/	/	<=30	Pass
		Inner_Full	24.87	/	/	27.93	/	/	<=30	Pass
		Inner_1RB_Left	24.89	/	/	27.95	/	/	<=30	Pass
	Inner_1RB_Right	24.90	/	/	27.96	/	/	<=30	Pass	
	3500.01	Edge_1RB_Left	21.72	/	/	24.78	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	25.05	/	/	<=30	Pass
		Outer_Full	24.40	/	/	27.46	/	/	<=30	Pass
		Inner_Full	25.36	/	/	28.42	/	/	<=30	Pass
		Inner_1RB_Left	25.12	/	/	28.18	/	/	<=30	Pass
	Inner_1RB_Right	25.46	/	/	28.52	/	/	<=30	Pass	
	3540	Edge_1RB_Left	22.31	/	/	25.37	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	25.22	/	/	<=30	Pass
		Outer_Full	24.71	/	/	27.77	/	/	<=30	Pass
Inner_Full		26.57	/	/	29.63	/	/	<=30	Pass	
Inner_1RB_Left		25.72	/	/	28.78	/	/	<=30	Pass	
Inner_1RB_Right	25.68	/	/	28.74	/	/	<=30	Pass		
DFT-s-OFDM 16 QAM	3460.02	Edge_1RB_Left	21.62	/	/	24.68	/	/	<=30	Pass
		Edge_1RB_Right	21.51	/	/	24.57	/	/	<=30	Pass
		Outer_Full	23.08	/	/	26.14	/	/	<=30	Pass
		Inner_Full	23.90	/	/	26.96	/	/	<=30	Pass
		Inner_1RB_Left	23.82	/	/	26.88	/	/	<=30	Pass
	Inner_1RB_Right	23.67	/	/	26.73	/	/	<=30	Pass	
	3500.01	Edge_1RB_Left	21.67	/	/	24.73	/	/	<=30	Pass
		Edge_1RB_Right	22.03	/	/	25.09	/	/	<=30	Pass
		Outer_Full	23.47	/	/	26.53	/	/	<=30	Pass
Inner_Full		24.28	/	/	27.34	/	/	<=30	Pass	
Inner_1RB_Left	24.05	/	/	27.11	/	/	<=30	Pass		

	3540	Inner_1RB_Right	24.42	/	/	27.48	/	/	<=30	Pass
		Edge_1RB_Left	22.21	/	/	25.27	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	25.11	/	/	<=30	Pass
		Outer_Full	23.80	/	/	26.86	/	/	<=30	Pass
		Inner_Full	24.78	/	/	27.84	/	/	<=30	Pass
		Inner_1RB_Left	24.73	/	/	27.79	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3460.02	Inner_1RB_Right	24.76	/	/	27.82	/	/	<=30	Pass
		Edge_1RB_Left	21.67	/	/	24.73	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	24.53	/	/	<=30	Pass
		Outer_Full	22.57	/	/	25.63	/	/	<=30	Pass
		Inner_Full	22.69	/	/	25.75	/	/	<=30	Pass
		Inner_1RB_Left	22.58	/	/	25.64	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	22.55	/	/	25.61	/	/	<=30	Pass
		Edge_1RB_Left	22.05	/	/	25.11	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	25.02	/	/	<=30	Pass
		Outer_Full	22.99	/	/	26.05	/	/	<=30	Pass
		Inner_Full	23.01	/	/	26.07	/	/	<=30	Pass
		Inner_1RB_Left	22.95	/	/	26.01	/	/	<=30	Pass
	3540	Inner_1RB_Right	23.09	/	/	26.15	/	/	<=30	Pass
		Edge_1RB_Left	22.43	/	/	25.49	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	25.17	/	/	<=30	Pass
		Outer_Full	23.37	/	/	26.43	/	/	<=30	Pass
		Inner_Full	23.35	/	/	26.41	/	/	<=30	Pass
		Inner_1RB_Left	23.33	/	/	26.39	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3460.02	Inner_1RB_Right	23.26	/	/	26.32	/	/	<=30	Pass
		Edge_1RB_Left	20.51	/	/	23.57	/	/	<=30	Pass
		Edge_1RB_Right	20.53	/	/	23.59	/	/	<=30	Pass
		Outer_Full	20.59	/	/	23.65	/	/	<=30	Pass
		Inner_Full	20.62	/	/	23.68	/	/	<=30	Pass
		Inner_1RB_Left	20.53	/	/	23.59	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	20.50	/	/	23.56	/	/	<=30	Pass
		Edge_1RB_Left	20.89	/	/	23.95	/	/	<=30	Pass
		Edge_1RB_Right	21.01	/	/	24.07	/	/	<=30	Pass
		Outer_Full	20.98	/	/	24.04	/	/	<=30	Pass
		Inner_Full	20.91	/	/	23.97	/	/	<=30	Pass
		Inner_1RB_Left	20.91	/	/	23.97	/	/	<=30	Pass
	3540	Inner_1RB_Right	21.00	/	/	24.06	/	/	<=30	Pass
		Edge_1RB_Left	21.25	/	/	24.31	/	/	<=30	Pass
		Edge_1RB_Right	21.12	/	/	24.18	/	/	<=30	Pass
		Outer_Full	21.27	/	/	24.33	/	/	<=30	Pass
		Inner_Full	21.30	/	/	24.36	/	/	<=30	Pass
		Inner_1RB_Left	21.20	/	/	24.26	/	/	<=30	Pass
CP-OFDM QPSK	3460.02	Inner_1RB_Right	21.06	/	/	24.12	/	/	<=30	Pass
		Edge_1RB_Left	21.74	/	/	24.80	/	/	<=30	Pass
		Edge_1RB_Right	21.55	/	/	24.61	/	/	<=30	Pass
		Outer_Full	22.16	/	/	25.22	/	/	<=30	Pass
		Inner_Full	23.26	/	/	26.32	/	/	<=30	Pass
		Inner_1RB_Left	23.42	/	/	26.48	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.25	/	/	26.31	/	/	<=30	Pass
		Edge_1RB_Left	21.89	/	/	24.95	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	25.16	/	/	<=30	Pass
		Outer_Full	22.47	/	/	25.53	/	/	<=30	Pass
		Inner_Full	23.76	/	/	26.82	/	/	<=30	Pass
		Inner_1RB_Left	23.73	/	/	26.79	/	/	<=30	Pass
	3540	Inner_1RB_Right	24.07	/	/	27.13	/	/	<=30	Pass
		Edge_1RB_Left	22.29	/	/	25.35	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	25.36	/	/	<=30	Pass
		Outer_Full	22.85	/	/	25.91	/	/	<=30	Pass

		Inner_Full	24.06	/	/	27.12	/	/	<=30	Pass
		Inner_1RB_Left	24.38	/	/	27.44	/	/	<=30	Pass
		Inner_1RB_Right	24.35	/	/	27.41	/	/	<=30	Pass
CP-OFDM 16 QAM	3460.02	Edge_1RB_Left	21.40	/	/	24.46	/	/	<=30	Pass
		Edge_1RB_Right	21.60	/	/	24.66	/	/	<=30	Pass
		Outer_Full	22.06	/	/	25.12	/	/	<=30	Pass
		Inner_Full	23.15	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Left	23.17	/	/	26.23	/	/	<=30	Pass
		Inner_1RB_Right	23.15	/	/	26.21	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.78	/	/	24.84	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	25.13	/	/	<=30	Pass
		Outer_Full	22.33	/	/	25.39	/	/	<=30	Pass
		Inner_Full	23.51	/	/	26.57	/	/	<=30	Pass
		Inner_1RB_Left	23.47	/	/	26.53	/	/	<=30	Pass
		Inner_1RB_Right	23.63	/	/	26.69	/	/	<=30	Pass
	3540	Edge_1RB_Left	22.20	/	/	25.26	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	25.30	/	/	<=30	Pass
		Outer_Full	22.74	/	/	25.80	/	/	<=30	Pass
Inner_Full		23.88	/	/	26.94	/	/	<=30	Pass	
Inner_1RB_Left		24.10	/	/	27.16	/	/	<=30	Pass	
Inner_1RB_Right		23.94	/	/	27.00	/	/	<=30	Pass	
CP-OFDM 64 QAM	3460.02	Edge_1RB_Left	21.77	/	/	24.83	/	/	<=30	Pass
		Edge_1RB_Right	21.60	/	/	24.66	/	/	<=30	Pass
		Outer_Full	21.53	/	/	24.59	/	/	<=30	Pass
		Inner_Full	21.62	/	/	24.68	/	/	<=30	Pass
		Inner_1RB_Left	21.83	/	/	24.89	/	/	<=30	Pass
		Inner_1RB_Right	21.59	/	/	24.65	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.78	/	/	24.84	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	25.00	/	/	<=30	Pass
		Outer_Full	21.97	/	/	25.03	/	/	<=30	Pass
		Inner_Full	22.01	/	/	25.07	/	/	<=30	Pass
		Inner_1RB_Left	21.96	/	/	25.02	/	/	<=30	Pass
		Inner_1RB_Right	22.26	/	/	25.32	/	/	<=30	Pass
	3540	Edge_1RB_Left	22.55	/	/	25.61	/	/	<=30	Pass
		Edge_1RB_Right	22.34	/	/	25.40	/	/	<=30	Pass
		Outer_Full	22.38	/	/	25.44	/	/	<=30	Pass
Inner_Full		22.27	/	/	25.33	/	/	<=30	Pass	
Inner_1RB_Left		22.49	/	/	25.55	/	/	<=30	Pass	
Inner_1RB_Right		22.48	/	/	25.54	/	/	<=30	Pass	
CP-OFDM 256 QAM	3460.02	Edge_1RB_Left	18.60	/	/	21.66	/	/	<=30	Pass
		Edge_1RB_Right	18.54	/	/	21.60	/	/	<=30	Pass
		Outer_Full	18.59	/	/	21.65	/	/	<=30	Pass
		Inner_Full	18.50	/	/	21.56	/	/	<=30	Pass
		Inner_1RB_Left	18.71	/	/	21.77	/	/	<=30	Pass
		Inner_1RB_Right	18.56	/	/	21.62	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.69	/	/	21.75	/	/	<=30	Pass
		Edge_1RB_Right	19.19	/	/	22.25	/	/	<=30	Pass
		Outer_Full	18.93	/	/	21.99	/	/	<=30	Pass
		Inner_Full	18.93	/	/	21.99	/	/	<=30	Pass
		Inner_1RB_Left	18.73	/	/	21.79	/	/	<=30	Pass
		Inner_1RB_Right	19.01	/	/	22.07	/	/	<=30	Pass
	3540	Edge_1RB_Left	19.39	/	/	22.45	/	/	<=30	Pass
		Edge_1RB_Right	19.19	/	/	22.25	/	/	<=30	Pass
		Outer_Full	19.35	/	/	22.41	/	/	<=30	Pass
Inner_Full		19.30	/	/	22.36	/	/	<=30	Pass	
Inner_1RB_Left		19.26	/	/	22.32	/	/	<=30	Pass	
Inner_1RB_Right		19.26	/	/	22.32	/	/	<=30	Pass	

Note1: Antenna Gain: Ant1: 3.06dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.1.2 30k_SISO_30MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3465	Edge_1RB_Left	21.63	/	/	24.69	/	/	<=30	Pass
		Edge_1RB_Right	21.61	/	/	24.67	/	/	<=30	Pass
		Outer_Full	24.24	/	/	27.30	/	/	<=30	Pass
		Inner_Full	24.82	/	/	27.88	/	/	<=30	Pass
		Inner_1RB_Left	24.95	/	/	28.01	/	/	<=30	Pass
		Inner_1RB_Right	25.08	/	/	28.14	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.98	/	/	25.04	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	25.20	/	/	<=30	Pass
		Outer_Full	24.87	/	/	27.93	/	/	<=30	Pass
		Inner_Full	25.55	/	/	28.61	/	/	<=30	Pass
		Inner_1RB_Left	25.49	/	/	28.55	/	/	<=30	Pass
		Inner_1RB_Right	25.64	/	/	28.70	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.58	/	/	25.64	/	/	<=30	Pass
		Edge_1RB_Right	22.42	/	/	25.48	/	/	<=30	Pass
		Outer_Full	25.20	/	/	28.26	/	/	<=30	Pass
		Inner_Full	25.99	/	/	29.05	/	/	<=30	Pass
		Inner_1RB_Left	26.05	/	/	29.11	/	/	<=30	Pass
		Inner_1RB_Right	25.84	/	/	28.90	/	/	<=30	Pass
DFT-s-OFDM QPSK	3465	Edge_1RB_Left	21.52	/	/	24.58	/	/	<=30	Pass
		Edge_1RB_Right	21.61	/	/	24.67	/	/	<=30	Pass
		Outer_Full	23.73	/	/	26.79	/	/	<=30	Pass
		Inner_Full	24.87	/	/	27.93	/	/	<=30	Pass
		Inner_1RB_Left	24.79	/	/	27.85	/	/	<=30	Pass
		Inner_1RB_Right	24.91	/	/	27.97	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.01	/	/	25.07	/	/	<=30	Pass
		Edge_1RB_Right	22.19	/	/	25.25	/	/	<=30	Pass
		Outer_Full	24.38	/	/	27.44	/	/	<=30	Pass
		Inner_Full	25.36	/	/	28.42	/	/	<=30	Pass
		Inner_1RB_Left	25.27	/	/	28.33	/	/	<=30	Pass
		Inner_1RB_Right	25.65	/	/	28.71	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.45	/	/	25.51	/	/	<=30	Pass
		Edge_1RB_Right	22.29	/	/	25.35	/	/	<=30	Pass
		Outer_Full	24.74	/	/	27.80	/	/	<=30	Pass
		Inner_Full	25.96	/	/	29.02	/	/	<=30	Pass
		Inner_1RB_Left	25.81	/	/	28.87	/	/	<=30	Pass
		Inner_1RB_Right	25.77	/	/	28.83	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3465	Edge_1RB_Left	21.52	/	/	24.58	/	/	<=30	Pass
		Edge_1RB_Right	21.69	/	/	24.75	/	/	<=30	Pass
		Outer_Full	23.01	/	/	26.07	/	/	<=30	Pass
		Inner_Full	23.76	/	/	26.82	/	/	<=30	Pass
		Inner_1RB_Left	23.79	/	/	26.85	/	/	<=30	Pass
		Inner_1RB_Right	23.87	/	/	26.93	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.08	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	22.21	/	/	25.27	/	/	<=30	Pass
		Outer_Full	23.63	/	/	26.69	/	/	<=30	Pass
		Inner_Full	24.25	/	/	27.31	/	/	<=30	Pass
		Inner_1RB_Left	24.06	/	/	27.12	/	/	<=30	Pass
		Inner_1RB_Right	24.45	/	/	27.51	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.61	/	/	25.67	/	/	<=30	Pass

		Edge_1RB_Right	22.26	/	/	25.32	/	/	<=30	Pass
		Outer_Full	24.04	/	/	27.10	/	/	<=30	Pass
		Inner_Full	24.80	/	/	27.86	/	/	<=30	Pass
		Inner_1RB_Left	24.75	/	/	27.81	/	/	<=30	Pass
		Inner_1RB_Right	24.70	/	/	27.76	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3465	Edge_1RB_Left	21.60	/	/	24.66	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	24.53	/	/	<=30	Pass
		Outer_Full	22.54	/	/	25.60	/	/	<=30	Pass
		Inner_Full	22.60	/	/	25.66	/	/	<=30	Pass
		Inner_1RB_Left	22.60	/	/	25.66	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	22.34	/	/	25.40	/	/	<=30	Pass
		Edge_1RB_Left	21.90	/	/	24.96	/	/	<=30	Pass
		Edge_1RB_Right	22.33	/	/	25.39	/	/	<=30	Pass
		Outer_Full	22.99	/	/	26.05	/	/	<=30	Pass
		Inner_Full	23.25	/	/	26.31	/	/	<=30	Pass
	3534.99	Inner_1RB_Left	22.92	/	/	25.98	/	/	<=30	Pass
		Inner_1RB_Right	23.34	/	/	26.40	/	/	<=30	Pass
		Edge_1RB_Left	22.58	/	/	25.64	/	/	<=30	Pass
		Edge_1RB_Right	22.41	/	/	25.47	/	/	<=30	Pass
		Outer_Full	23.47	/	/	26.53	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3465	Inner_Full	23.57	/	/	26.63	/	/	<=30	Pass
		Inner_1RB_Left	23.52	/	/	26.58	/	/	<=30	Pass
		Inner_1RB_Right	23.27	/	/	26.33	/	/	<=30	Pass
		Edge_1RB_Left	20.56	/	/	23.62	/	/	<=30	Pass
		Edge_1RB_Right	20.67	/	/	23.73	/	/	<=30	Pass
	3500.01	Outer_Full	20.54	/	/	23.60	/	/	<=30	Pass
		Inner_Full	20.63	/	/	23.69	/	/	<=30	Pass
		Inner_1RB_Left	20.44	/	/	23.50	/	/	<=30	Pass
		Inner_1RB_Right	20.72	/	/	23.78	/	/	<=30	Pass
		Edge_1RB_Left	21.05	/	/	24.11	/	/	<=30	Pass
	3534.99	Edge_1RB_Right	21.24	/	/	24.30	/	/	<=30	Pass
		Outer_Full	21.13	/	/	24.19	/	/	<=30	Pass
		Inner_Full	21.08	/	/	24.14	/	/	<=30	Pass
		Inner_1RB_Left	20.88	/	/	23.94	/	/	<=30	Pass
		Inner_1RB_Right	21.18	/	/	24.24	/	/	<=30	Pass
CP-OFDM QPSK	3465	Edge_1RB_Left	21.52	/	/	24.58	/	/	<=30	Pass
		Edge_1RB_Right	21.43	/	/	24.49	/	/	<=30	Pass
		Outer_Full	21.54	/	/	24.60	/	/	<=30	Pass
		Inner_Full	21.44	/	/	24.50	/	/	<=30	Pass
		Inner_1RB_Left	21.62	/	/	24.68	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	21.40	/	/	24.46	/	/	<=30	Pass
		Edge_1RB_Left	21.64	/	/	24.70	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	24.79	/	/	<=30	Pass
		Outer_Full	22.00	/	/	25.06	/	/	<=30	Pass
		Inner_Full	23.26	/	/	26.32	/	/	<=30	Pass
	3534.99	Inner_1RB_Left	23.38	/	/	26.44	/	/	<=30	Pass
		Inner_1RB_Right	23.38	/	/	26.44	/	/	<=30	Pass
		Edge_1RB_Left	21.99	/	/	25.05	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	25.36	/	/	<=30	Pass
		Outer_Full	22.48	/	/	25.54	/	/	<=30	Pass
3500.01	Inner_Full	23.88	/	/	26.94	/	/	<=30	Pass	
	Inner_1RB_Left	23.95	/	/	27.01	/	/	<=30	Pass	
	Inner_1RB_Right	24.18	/	/	27.24	/	/	<=30	Pass	
	Edge_1RB_Left	22.58	/	/	25.64	/	/	<=30	Pass	
	Edge_1RB_Right	22.39	/	/	25.45	/	/	<=30	Pass	
3534.99	Outer_Full	22.94	/	/	26.00	/	/	<=30	Pass	
	Inner_Full	24.26	/	/	27.32	/	/	<=30	Pass	
	Inner_1RB_Left	24.52	/	/	27.58	/	/	<=30	Pass	

CP-OFDM 16 QAM	3465	Inner_1RB_Right	24.36	/	/	27.42	/	/	<=30	Pass
		Edge_1RB_Left	21.56	/	/	24.62	/	/	<=30	Pass
		Edge_1RB_Right	21.57	/	/	24.63	/	/	<=30	Pass
		Outer_Full	22.05	/	/	25.11	/	/	<=30	Pass
		Inner_Full	22.97	/	/	26.03	/	/	<=30	Pass
		Inner_1RB_Left	23.13	/	/	26.19	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.16	/	/	26.22	/	/	<=30	Pass
		Edge_1RB_Left	21.85	/	/	24.91	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	25.31	/	/	<=30	Pass
		Outer_Full	22.63	/	/	25.69	/	/	<=30	Pass
		Inner_Full	23.77	/	/	26.83	/	/	<=30	Pass
		Inner_1RB_Left	23.58	/	/	26.64	/	/	<=30	Pass
	3534.99	Inner_1RB_Right	23.90	/	/	26.96	/	/	<=30	Pass
		Edge_1RB_Left	22.57	/	/	25.63	/	/	<=30	Pass
		Edge_1RB_Right	22.41	/	/	25.47	/	/	<=30	Pass
Outer_Full		22.89	/	/	25.95	/	/	<=30	Pass	
Inner_Full		23.98	/	/	27.04	/	/	<=30	Pass	
Inner_1RB_Left		24.19	/	/	27.25	/	/	<=30	Pass	
CP-OFDM 64 QAM	3465	Inner_1RB_Right	23.99	/	/	27.05	/	/	<=30	Pass
		Edge_1RB_Left	21.83	/	/	24.89	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	24.92	/	/	<=30	Pass
		Outer_Full	21.53	/	/	24.59	/	/	<=30	Pass
		Inner_Full	21.52	/	/	24.58	/	/	<=30	Pass
		Inner_1RB_Left	21.73	/	/	24.79	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	21.56	/	/	24.62	/	/	<=30	Pass
		Edge_1RB_Left	21.88	/	/	24.94	/	/	<=30	Pass
		Edge_1RB_Right	22.40	/	/	25.46	/	/	<=30	Pass
		Outer_Full	22.02	/	/	25.08	/	/	<=30	Pass
		Inner_Full	22.10	/	/	25.16	/	/	<=30	Pass
		Inner_1RB_Left	22.10	/	/	25.16	/	/	<=30	Pass
	3534.99	Inner_1RB_Right	22.43	/	/	25.49	/	/	<=30	Pass
		Edge_1RB_Left	22.62	/	/	25.68	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	25.44	/	/	<=30	Pass
Outer_Full		22.50	/	/	25.56	/	/	<=30	Pass	
Inner_Full		22.45	/	/	25.51	/	/	<=30	Pass	
Inner_1RB_Left		22.76	/	/	25.82	/	/	<=30	Pass	
CP-OFDM 256 QAM	3465	Inner_1RB_Right	22.49	/	/	25.55	/	/	<=30	Pass
		Edge_1RB_Left	18.61	/	/	21.67	/	/	<=30	Pass
		Edge_1RB_Right	18.89	/	/	21.95	/	/	<=30	Pass
		Outer_Full	18.58	/	/	21.64	/	/	<=30	Pass
		Inner_Full	18.59	/	/	21.65	/	/	<=30	Pass
		Inner_1RB_Left	18.79	/	/	21.85	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	18.49	/	/	21.55	/	/	<=30	Pass
		Edge_1RB_Left	19.19	/	/	22.25	/	/	<=30	Pass
		Edge_1RB_Right	19.13	/	/	22.19	/	/	<=30	Pass
		Outer_Full	19.10	/	/	22.16	/	/	<=30	Pass
		Inner_Full	19.19	/	/	22.25	/	/	<=30	Pass
		Inner_1RB_Left	18.96	/	/	22.02	/	/	<=30	Pass
	3534.99	Inner_1RB_Right	19.29	/	/	22.35	/	/	<=30	Pass
		Edge_1RB_Left	19.38	/	/	22.44	/	/	<=30	Pass
		Edge_1RB_Right	19.40	/	/	22.46	/	/	<=30	Pass
Outer_Full		19.47	/	/	22.53	/	/	<=30	Pass	
Inner_Full		19.51	/	/	22.57	/	/	<=30	Pass	
Inner_1RB_Left		19.47	/	/	22.53	/	/	<=30	Pass	
		Inner_1RB_Right	19.27	/	/	22.33	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 3.06dBi;
 Note2: EIRP=Conducted Power+Antenna Gain

1.1.3 30k_SISO_40MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 40MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Edge_1RB_Left	21.64	/	/	24.70	/	/	<=30	Pass
		Edge_1RB_Right	21.61	/	/	24.67	/	/	<=30	Pass
		Outer_Full	24.50	/	/	27.56	/	/	<=30	Pass
		Inner_Full	25.04	/	/	28.10	/	/	<=30	Pass
		Inner_1RB_Left	24.66	/	/	27.72	/	/	<=30	Pass
		Inner_1RB_Right	25.01	/	/	28.07	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.89	/	/	24.95	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	25.20	/	/	<=30	Pass
		Outer_Full	24.86	/	/	27.92	/	/	<=30	Pass
		Inner_Full	25.57	/	/	28.63	/	/	<=30	Pass
		Inner_1RB_Left	24.96	/	/	28.02	/	/	<=30	Pass
		Inner_1RB_Right	25.43	/	/	28.49	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	21.95	/	/	25.01	/	/	<=30	Pass
		Edge_1RB_Right	21.83	/	/	24.89	/	/	<=30	Pass
		Outer_Full	25.02	/	/	28.08	/	/	<=30	Pass
		Inner_Full	25.69	/	/	28.75	/	/	<=30	Pass
		Inner_1RB_Left	25.37	/	/	28.43	/	/	<=30	Pass
		Inner_1RB_Right	25.35	/	/	28.41	/	/	<=30	Pass
DFT-s-OFDM QPSK	3470.01	Edge_1RB_Left	21.44	/	/	24.50	/	/	<=30	Pass
		Edge_1RB_Right	21.58	/	/	24.64	/	/	<=30	Pass
		Outer_Full	23.95	/	/	27.01	/	/	<=30	Pass
		Inner_Full	24.99	/	/	28.05	/	/	<=30	Pass
		Inner_1RB_Left	24.70	/	/	27.76	/	/	<=30	Pass
		Inner_1RB_Right	25.00	/	/	28.06	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.73	/	/	24.79	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	25.07	/	/	<=30	Pass
		Outer_Full	24.31	/	/	27.37	/	/	<=30	Pass
		Inner_Full	25.42	/	/	28.48	/	/	<=30	Pass
		Inner_1RB_Left	24.96	/	/	28.02	/	/	<=30	Pass
		Inner_1RB_Right	25.29	/	/	28.35	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.12	/	/	25.18	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	25.05	/	/	<=30	Pass
		Outer_Full	24.44	/	/	27.50	/	/	<=30	Pass
		Inner_Full	25.53	/	/	28.59	/	/	<=30	Pass
		Inner_1RB_Left	25.48	/	/	28.54	/	/	<=30	Pass
		Inner_1RB_Right	25.45	/	/	28.51	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3470.01	Edge_1RB_Left	21.40	/	/	24.46	/	/	<=30	Pass
		Edge_1RB_Right	21.81	/	/	24.87	/	/	<=30	Pass
		Outer_Full	23.06	/	/	26.12	/	/	<=30	Pass
		Inner_Full	24.10	/	/	27.16	/	/	<=30	Pass
		Inner_1RB_Left	23.70	/	/	26.76	/	/	<=30	Pass
		Inner_1RB_Right	23.93	/	/	26.99	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.82	/	/	24.88	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	25.14	/	/	<=30	Pass
		Outer_Full	23.59	/	/	26.65	/	/	<=30	Pass
		Inner_Full	24.43	/	/	27.49	/	/	<=30	Pass
		Inner_1RB_Left	23.92	/	/	26.98	/	/	<=30	Pass
		Inner_1RB_Right	24.35	/	/	27.41	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	21.99	/	/	25.05	/	/	<=30	Pass
		Edge_1RB_Right	22.03	/	/	25.09	/	/	<=30	Pass

		Outer_Full	23.76	/	/	26.82	/	/	<=30	Pass	
		Inner_Full	24.66	/	/	27.72	/	/	<=30	Pass	
		Inner_1RB_Left	24.47	/	/	27.53	/	/	<=30	Pass	
		Inner_1RB_Right	24.37	/	/	27.43	/	/	<=30	Pass	
DFT-s-OFDM 64 QAM	3470.01	Edge_1RB_Left	21.40	/	/	24.46	/	/	<=30	Pass	
		Edge_1RB_Right	21.75	/	/	24.81	/	/	<=30	Pass	
		Outer_Full	22.68	/	/	25.74	/	/	<=30	Pass	
		Inner_Full	22.72	/	/	25.78	/	/	<=30	Pass	
			Inner_1RB_Left	22.56	/	/	25.62	/	/	<=30	Pass
			Inner_1RB_Right	22.73	/	/	25.79	/	/	<=30	Pass
			Edge_1RB_Left	21.79	/	/	24.85	/	/	<=30	Pass
			Edge_1RB_Right	22.08	/	/	25.14	/	/	<=30	Pass
	3500.01		Outer_Full	23.09	/	/	26.15	/	/	<=30	Pass
			Inner_Full	23.13	/	/	26.19	/	/	<=30	Pass
			Inner_1RB_Left	23.00	/	/	26.06	/	/	<=30	Pass
			Inner_1RB_Right	23.16	/	/	26.22	/	/	<=30	Pass
	3529.98		Edge_1RB_Left	22.26	/	/	25.32	/	/	<=30	Pass
			Edge_1RB_Right	22.10	/	/	25.16	/	/	<=30	Pass
			Outer_Full	23.25	/	/	26.31	/	/	<=30	Pass
			Inner_Full	23.24	/	/	26.30	/	/	<=30	Pass
		Inner_1RB_Left	22.99	/	/	26.05	/	/	<=30	Pass	
		Inner_1RB_Right	23.03	/	/	26.09	/	/	<=30	Pass	
		Edge_1RB_Left	20.46	/	/	23.52	/	/	<=30	Pass	
		Edge_1RB_Right	20.57	/	/	23.63	/	/	<=30	Pass	
DFT-s-OFDM 256 QAM	3470.01	Outer_Full	20.69	/	/	23.75	/	/	<=30	Pass	
		Inner_Full	20.72	/	/	23.78	/	/	<=30	Pass	
		Inner_1RB_Left	20.53	/	/	23.59	/	/	<=30	Pass	
		Inner_1RB_Right	20.49	/	/	23.55	/	/	<=30	Pass	
	3500.01		Edge_1RB_Left	20.64	/	/	23.70	/	/	<=30	Pass
			Edge_1RB_Right	21.02	/	/	24.08	/	/	<=30	Pass
			Outer_Full	21.09	/	/	24.15	/	/	<=30	Pass
			Inner_Full	21.11	/	/	24.17	/	/	<=30	Pass
			Inner_1RB_Left	20.84	/	/	23.90	/	/	<=30	Pass
			Inner_1RB_Right	21.18	/	/	24.24	/	/	<=30	Pass
			Edge_1RB_Left	21.06	/	/	24.12	/	/	<=30	Pass
			Edge_1RB_Right	20.91	/	/	23.97	/	/	<=30	Pass
	3529.98		Outer_Full	20.94	/	/	24.00	/	/	<=30	Pass
			Inner_Full	20.94	/	/	24.00	/	/	<=30	Pass
			Inner_1RB_Left	20.80	/	/	23.86	/	/	<=30	Pass
			Inner_1RB_Right	20.82	/	/	23.88	/	/	<=30	Pass
CP-OFDM QPSK	3470.01	Edge_1RB_Left	21.54	/	/	24.60	/	/	<=30	Pass	
		Edge_1RB_Right	21.60	/	/	24.66	/	/	<=30	Pass	
		Outer_Full	22.19	/	/	25.25	/	/	<=30	Pass	
		Inner_Full	23.30	/	/	26.36	/	/	<=30	Pass	
			Inner_1RB_Left	23.25	/	/	26.31	/	/	<=30	Pass
			Inner_1RB_Right	23.59	/	/	26.65	/	/	<=30	Pass
			Edge_1RB_Left	21.87	/	/	24.93	/	/	<=30	Pass
			Edge_1RB_Right	22.05	/	/	25.11	/	/	<=30	Pass
	3500.01		Outer_Full	22.68	/	/	25.74	/	/	<=30	Pass
			Inner_Full	23.72	/	/	26.78	/	/	<=30	Pass
			Inner_1RB_Left	23.66	/	/	26.72	/	/	<=30	Pass
			Inner_1RB_Right	24.01	/	/	27.07	/	/	<=30	Pass
	3529.98		Edge_1RB_Left	22.02	/	/	25.08	/	/	<=30	Pass
			Edge_1RB_Right	21.78	/	/	24.84	/	/	<=30	Pass
			Outer_Full	22.54	/	/	25.60	/	/	<=30	Pass
			Inner_Full	23.89	/	/	26.95	/	/	<=30	Pass
		Inner_1RB_Left	23.82	/	/	26.88	/	/	<=30	Pass	
		Inner_1RB_Right	24.02	/	/	27.08	/	/	<=30	Pass	

CP-OFDM 16 QAM	3470.01	Edge_1RB_Left	21.53	/	/	24.59	/	/	<=30	Pass
		Edge_1RB_Right	21.60	/	/	24.66	/	/	<=30	Pass
		Outer_Full	22.10	/	/	25.16	/	/	<=30	Pass
		Inner_Full	23.20	/	/	26.26	/	/	<=30	Pass
		Inner_1RB_Left	23.04	/	/	26.10	/	/	<=30	Pass
		Inner_1RB_Right	23.25	/	/	26.31	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.73	/	/	24.79	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	24.58	/	/	<=30	Pass
		Outer_Full	22.42	/	/	25.48	/	/	<=30	Pass
		Inner_Full	23.41	/	/	26.47	/	/	<=30	Pass
		Inner_1RB_Left	22.94	/	/	26.00	/	/	<=30	Pass
		Inner_1RB_Right	23.05	/	/	26.11	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	21.88	/	/	24.94	/	/	<=30	Pass
		Edge_1RB_Right	21.66	/	/	24.72	/	/	<=30	Pass
		Outer_Full	22.32	/	/	25.38	/	/	<=30	Pass
Inner_Full		23.77	/	/	26.83	/	/	<=30	Pass	
Inner_1RB_Left		23.67	/	/	26.73	/	/	<=30	Pass	
Inner_1RB_Right		23.57	/	/	26.63	/	/	<=30	Pass	
CP-OFDM 64 QAM	3470.01	Edge_1RB_Left	21.54	/	/	24.60	/	/	<=30	Pass
		Edge_1RB_Right	21.71	/	/	24.77	/	/	<=30	Pass
		Outer_Full	21.70	/	/	24.76	/	/	<=30	Pass
		Inner_Full	21.62	/	/	24.68	/	/	<=30	Pass
		Inner_1RB_Left	21.56	/	/	24.62	/	/	<=30	Pass
		Inner_1RB_Right	21.73	/	/	24.79	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.85	/	/	24.91	/	/	<=30	Pass
		Edge_1RB_Right	21.76	/	/	24.82	/	/	<=30	Pass
		Outer_Full	21.96	/	/	25.02	/	/	<=30	Pass
		Inner_Full	21.90	/	/	24.96	/	/	<=30	Pass
		Inner_1RB_Left	21.90	/	/	24.96	/	/	<=30	Pass
		Inner_1RB_Right	21.72	/	/	24.78	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	21.88	/	/	24.94	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	24.92	/	/	<=30	Pass
		Outer_Full	21.96	/	/	25.02	/	/	<=30	Pass
		Inner_Full	22.05	/	/	25.11	/	/	<=30	Pass
		Inner_1RB_Left	21.79	/	/	24.85	/	/	<=30	Pass
		Inner_1RB_Right	21.99	/	/	25.05	/	/	<=30	Pass
CP-OFDM 256 QAM	3470.01	Edge_1RB_Left	18.63	/	/	21.69	/	/	<=30	Pass
		Edge_1RB_Right	18.63	/	/	21.69	/	/	<=30	Pass
		Outer_Full	18.76	/	/	21.82	/	/	<=30	Pass
		Inner_Full	18.67	/	/	21.73	/	/	<=30	Pass
		Inner_1RB_Left	18.49	/	/	21.55	/	/	<=30	Pass
		Inner_1RB_Right	18.77	/	/	21.83	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.48	/	/	21.54	/	/	<=30	Pass
		Edge_1RB_Right	18.85	/	/	21.91	/	/	<=30	Pass
		Outer_Full	18.79	/	/	21.85	/	/	<=30	Pass
		Inner_Full	18.88	/	/	21.94	/	/	<=30	Pass
		Inner_1RB_Left	18.76	/	/	21.82	/	/	<=30	Pass
		Inner_1RB_Right	18.69	/	/	21.75	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	18.76	/	/	21.82	/	/	<=30	Pass
		Edge_1RB_Right	18.71	/	/	21.77	/	/	<=30	Pass
		Outer_Full	18.89	/	/	21.95	/	/	<=30	Pass
		Inner_Full	18.94	/	/	22.00	/	/	<=30	Pass
		Inner_1RB_Left	18.73	/	/	21.79	/	/	<=30	Pass
		Inner_1RB_Right	18.78	/	/	21.84	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 3.06dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.1.4 30k_SISO_50MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 50MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3475.02	Edge_1RB_Left	21.74	/	/	24.80	/	/	<=30	Pass
		Edge_1RB_Right	21.77	/	/	24.83	/	/	<=30	Pass
		Outer_Full	24.68	/	/	27.74	/	/	<=30	Pass
		Inner_Full	25.12	/	/	28.18	/	/	<=30	Pass
		Inner_1RB_Left	24.95	/	/	28.01	/	/	<=30	Pass
		Inner_1RB_Right	24.74	/	/	27.80	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.08	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	22.28	/	/	25.34	/	/	<=30	Pass
		Outer_Full	25.02	/	/	28.08	/	/	<=30	Pass
		Inner_Full	25.63	/	/	28.69	/	/	<=30	Pass
		Inner_1RB_Left	25.35	/	/	28.41	/	/	<=30	Pass
		Inner_1RB_Right	25.50	/	/	28.56	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.33	/	/	25.39	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	25.22	/	/	<=30	Pass
		Outer_Full	25.14	/	/	28.20	/	/	<=30	Pass
		Inner_Full	25.82	/	/	28.88	/	/	<=30	Pass
		Inner_1RB_Left	25.57	/	/	28.63	/	/	<=30	Pass
		Inner_1RB_Right	25.59	/	/	28.65	/	/	<=30	Pass
DFT-s-OFDM QPSK	3475.02	Edge_1RB_Left	21.57	/	/	24.63	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	24.84	/	/	<=30	Pass
		Outer_Full	23.98	/	/	27.04	/	/	<=30	Pass
		Inner_Full	25.13	/	/	28.19	/	/	<=30	Pass
		Inner_1RB_Left	24.80	/	/	27.86	/	/	<=30	Pass
		Inner_1RB_Right	25.03	/	/	28.09	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.95	/	/	25.01	/	/	<=30	Pass
		Edge_1RB_Right	22.20	/	/	25.26	/	/	<=30	Pass
		Outer_Full	24.35	/	/	27.41	/	/	<=30	Pass
		Inner_Full	25.44	/	/	28.50	/	/	<=30	Pass
		Inner_1RB_Left	25.28	/	/	28.34	/	/	<=30	Pass
		Inner_1RB_Right	25.30	/	/	28.36	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.34	/	/	25.40	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	25.24	/	/	<=30	Pass
		Outer_Full	24.78	/	/	27.84	/	/	<=30	Pass
		Inner_Full	25.97	/	/	29.03	/	/	<=30	Pass
		Inner_1RB_Left	25.67	/	/	28.73	/	/	<=30	Pass
		Inner_1RB_Right	25.53	/	/	28.59	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3475.02	Edge_1RB_Left	21.66	/	/	24.72	/	/	<=30	Pass
		Edge_1RB_Right	21.64	/	/	24.70	/	/	<=30	Pass
		Outer_Full	23.41	/	/	26.47	/	/	<=30	Pass
		Inner_Full	23.97	/	/	27.03	/	/	<=30	Pass
		Inner_1RB_Left	23.84	/	/	26.90	/	/	<=30	Pass
		Inner_1RB_Right	23.91	/	/	26.97	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.81	/	/	24.87	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	25.00	/	/	<=30	Pass
		Outer_Full	23.64	/	/	26.70	/	/	<=30	Pass
		Inner_Full	24.26	/	/	27.32	/	/	<=30	Pass
		Inner_1RB_Left	24.13	/	/	27.19	/	/	<=30	Pass
		Inner_1RB_Right	24.23	/	/	27.29	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.26	/	/	25.32	/	/	<=30	Pass
		Edge_1RB_Right	21.98	/	/	25.04	/	/	<=30	Pass
		Outer_Full	23.90	/	/	26.96	/	/	<=30	Pass
		Inner_Full	24.70	/	/	27.76	/	/	<=30	Pass

		Inner_1RB_Left	24.60	/	/	27.66	/	/	<=30	Pass
		Inner_1RB_Right	24.64	/	/	27.70	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3475.02	Edge_1RB_Left	21.86	/	/	24.92	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	24.86	/	/	<=30	Pass
		Outer_Full	22.86	/	/	25.92	/	/	<=30	Pass
		Inner_Full	22.88	/	/	25.94	/	/	<=30	Pass
		Inner_1RB_Left	22.96	/	/	26.02	/	/	<=30	Pass
		Inner_1RB_Right	23.03	/	/	26.09	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.94	/	/	25.00	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	25.10	/	/	<=30	Pass
		Outer_Full	23.17	/	/	26.23	/	/	<=30	Pass
		Inner_Full	23.08	/	/	26.14	/	/	<=30	Pass
		Inner_1RB_Left	22.84	/	/	25.90	/	/	<=30	Pass
		Inner_1RB_Right	22.95	/	/	26.01	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.65	/	/	25.71	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	25.33	/	/	<=30	Pass
		Outer_Full	23.43	/	/	26.49	/	/	<=30	Pass
Inner_Full		23.48	/	/	26.54	/	/	<=30	Pass	
Inner_1RB_Left		23.50	/	/	26.56	/	/	<=30	Pass	
Inner_1RB_Right		23.26	/	/	26.32	/	/	<=30	Pass	
DFT-s-OFDM 256 QAM	3475.02	Edge_1RB_Left	20.71	/	/	23.77	/	/	<=30	Pass
		Edge_1RB_Right	20.93	/	/	23.99	/	/	<=30	Pass
		Outer_Full	20.77	/	/	23.83	/	/	<=30	Pass
		Inner_Full	20.79	/	/	23.85	/	/	<=30	Pass
		Inner_1RB_Left	20.72	/	/	23.78	/	/	<=30	Pass
		Inner_1RB_Right	20.90	/	/	23.96	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	20.74	/	/	23.80	/	/	<=30	Pass
		Edge_1RB_Right	20.85	/	/	23.91	/	/	<=30	Pass
		Outer_Full	21.05	/	/	24.11	/	/	<=30	Pass
		Inner_Full	21.08	/	/	24.14	/	/	<=30	Pass
		Inner_1RB_Left	20.84	/	/	23.90	/	/	<=30	Pass
		Inner_1RB_Right	21.07	/	/	24.13	/	/	<=30	Pass
	3525	Edge_1RB_Left	21.38	/	/	24.44	/	/	<=30	Pass
		Edge_1RB_Right	21.21	/	/	24.27	/	/	<=30	Pass
		Outer_Full	21.47	/	/	24.53	/	/	<=30	Pass
Inner_Full		21.42	/	/	24.48	/	/	<=30	Pass	
Inner_1RB_Left		21.29	/	/	24.35	/	/	<=30	Pass	
Inner_1RB_Right		21.14	/	/	24.20	/	/	<=30	Pass	
CP-OFDM QPSK	3475.02	Edge_1RB_Left	21.86	/	/	24.92	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	24.91	/	/	<=30	Pass
		Outer_Full	22.25	/	/	25.31	/	/	<=30	Pass
		Inner_Full	23.68	/	/	26.74	/	/	<=30	Pass
		Inner_1RB_Left	23.67	/	/	26.73	/	/	<=30	Pass
		Inner_1RB_Right	23.71	/	/	26.77	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.90	/	/	24.96	/	/	<=30	Pass
		Edge_1RB_Right	21.98	/	/	25.04	/	/	<=30	Pass
		Outer_Full	22.63	/	/	25.69	/	/	<=30	Pass
		Inner_Full	23.89	/	/	26.95	/	/	<=30	Pass
		Inner_1RB_Left	23.73	/	/	26.79	/	/	<=30	Pass
		Inner_1RB_Right	23.99	/	/	27.05	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.42	/	/	25.48	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	25.33	/	/	<=30	Pass
		Outer_Full	22.90	/	/	25.96	/	/	<=30	Pass
Inner_Full		24.21	/	/	27.27	/	/	<=30	Pass	
Inner_1RB_Left		24.28	/	/	27.34	/	/	<=30	Pass	
Inner_1RB_Right		24.29	/	/	27.35	/	/	<=30	Pass	
CP-OFDM 16 QAM	3475.02	Edge_1RB_Left	22.10	/	/	25.16	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	24.92	/	/	<=30	Pass

		Outer_Full	22.42	/	/	25.48	/	/	<=30	Pass	
		Inner_Full	23.50	/	/	26.56	/	/	<=30	Pass	
		Inner_1RB_Left	23.40	/	/	26.46	/	/	<=30	Pass	
		Inner_1RB_Right	23.57	/	/	26.63	/	/	<=30	Pass	
	3500.01	Edge_1RB_Left	22.05	/	/	25.11	/	/	<=30	Pass	
		Edge_1RB_Right	21.94	/	/	25.00	/	/	<=30	Pass	
		Outer_Full	22.57	/	/	25.63	/	/	<=30	Pass	
		Inner_Full	23.75	/	/	26.81	/	/	<=30	Pass	
		3525	Inner_1RB_Left	23.51	/	/	26.57	/	/	<=30	Pass
			Inner_1RB_Right	23.50	/	/	26.56	/	/	<=30	Pass
			Edge_1RB_Left	22.50	/	/	25.56	/	/	<=30	Pass
			Edge_1RB_Right	22.19	/	/	25.25	/	/	<=30	Pass
	CP-OFDM 64 QAM		Outer_Full	22.93	/	/	25.99	/	/	<=30	Pass
			Inner_Full	24.03	/	/	27.09	/	/	<=30	Pass
			Inner_1RB_Left	24.11	/	/	27.17	/	/	<=30	Pass
			Inner_1RB_Right	23.80	/	/	26.86	/	/	<=30	Pass
3475.02		Edge_1RB_Left	22.10	/	/	25.16	/	/	<=30	Pass	
		Edge_1RB_Right	21.91	/	/	24.97	/	/	<=30	Pass	
		Outer_Full	21.85	/	/	24.91	/	/	<=30	Pass	
		Inner_Full	21.81	/	/	24.87	/	/	<=30	Pass	
		3500.01	Inner_1RB_Left	21.99	/	/	25.05	/	/	<=30	Pass
			Inner_1RB_Right	22.11	/	/	25.17	/	/	<=30	Pass
			Edge_1RB_Left	21.86	/	/	24.92	/	/	<=30	Pass
			Edge_1RB_Right	21.97	/	/	25.03	/	/	<=30	Pass
		3525	Outer_Full	22.27	/	/	25.33	/	/	<=30	Pass
			Inner_Full	22.38	/	/	25.44	/	/	<=30	Pass
			Inner_1RB_Left	21.94	/	/	25.00	/	/	<=30	Pass
			Inner_1RB_Right	22.22	/	/	25.28	/	/	<=30	Pass
CP-OFDM 256 QAM		Edge_1RB_Left	22.73	/	/	25.79	/	/	<=30	Pass	
		Edge_1RB_Right	22.37	/	/	25.43	/	/	<=30	Pass	
		Outer_Full	22.49	/	/	25.55	/	/	<=30	Pass	
		Inner_Full	22.56	/	/	25.62	/	/	<=30	Pass	
	3475.02	Inner_1RB_Left	22.50	/	/	25.56	/	/	<=30	Pass	
		Inner_1RB_Right	22.41	/	/	25.47	/	/	<=30	Pass	
		Edge_1RB_Left	18.81	/	/	21.87	/	/	<=30	Pass	
		Edge_1RB_Right	19.03	/	/	22.09	/	/	<=30	Pass	
		3500.01	Outer_Full	18.86	/	/	21.92	/	/	<=30	Pass
			Inner_Full	18.82	/	/	21.88	/	/	<=30	Pass
			Inner_1RB_Left	18.72	/	/	21.78	/	/	<=30	Pass
			Inner_1RB_Right	18.84	/	/	21.90	/	/	<=30	Pass
		3525	Edge_1RB_Left	19.06	/	/	22.12	/	/	<=30	Pass
			Edge_1RB_Right	19.07	/	/	22.13	/	/	<=30	Pass
			Outer_Full	19.37	/	/	22.43	/	/	<=30	Pass
			Inner_Full	19.41	/	/	22.47	/	/	<=30	Pass
	3500.01	Inner_1RB_Left	19.13	/	/	22.19	/	/	<=30	Pass	
		Inner_1RB_Right	19.03	/	/	22.09	/	/	<=30	Pass	
		Edge_1RB_Left	19.37	/	/	22.43	/	/	<=30	Pass	
		Edge_1RB_Right	19.35	/	/	22.41	/	/	<=30	Pass	
	3525	Outer_Full	19.60	/	/	22.66	/	/	<=30	Pass	
		Inner_Full	19.41	/	/	22.47	/	/	<=30	Pass	
		Inner_1RB_Left	19.48	/	/	22.54	/	/	<=30	Pass	
		Inner_1RB_Right	19.16	/	/	22.22	/	/	<=30	Pass	
Note1: Antenna Gain: Ant1: 3.06dBi;											
Note2: EIRP=Conducted Power+Antenna Gain											

1.1.5 30k_SISO_60MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Edge_1RB_Left	21.93	/	/	24.99	/	/	<=30	Pass
		Edge_1RB_Right	21.91	/	/	24.97	/	/	<=30	Pass
		Outer_Full	24.95	/	/	28.01	/	/	<=30	Pass
		Inner_Full	25.40	/	/	28.46	/	/	<=30	Pass
		Inner_1RB_Left	25.35	/	/	28.41	/	/	<=30	Pass
		Inner_1RB_Right	25.44	/	/	28.50	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.94	/	/	25.00	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	25.14	/	/	<=30	Pass
		Outer_Full	25.10	/	/	28.16	/	/	<=30	Pass
		Inner_Full	25.70	/	/	28.76	/	/	<=30	Pass
		Inner_1RB_Left	25.46	/	/	28.52	/	/	<=30	Pass
		Inner_1RB_Right	25.60	/	/	28.66	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.25	/	/	25.31	/	/	<=30	Pass
		Edge_1RB_Right	22.15	/	/	25.21	/	/	<=30	Pass
		Outer_Full	25.38	/	/	28.44	/	/	<=30	Pass
Inner_Full		25.92	/	/	28.98	/	/	<=30	Pass	
Inner_1RB_Left		25.65	/	/	28.71	/	/	<=30	Pass	
Inner_1RB_Right		25.68	/	/	28.74	/	/	<=30	Pass	
DFT-s-OFDM QPSK	3480	Edge_1RB_Left	21.93	/	/	24.99	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	25.08	/	/	<=30	Pass
		Outer_Full	24.44	/	/	27.50	/	/	<=30	Pass
		Inner_Full	25.33	/	/	28.39	/	/	<=30	Pass
		Inner_1RB_Left	25.30	/	/	28.36	/	/	<=30	Pass
		Inner_1RB_Right	25.42	/	/	28.48	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.97	/	/	25.03	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	25.16	/	/	<=30	Pass
		Outer_Full	24.73	/	/	27.79	/	/	<=30	Pass
		Inner_Full	25.69	/	/	28.75	/	/	<=30	Pass
		Inner_1RB_Left	25.41	/	/	28.47	/	/	<=30	Pass
		Inner_1RB_Right	25.62	/	/	28.68	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.32	/	/	25.38	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	25.16	/	/	<=30	Pass
		Outer_Full	24.82	/	/	27.88	/	/	<=30	Pass
Inner_Full		25.84	/	/	28.90	/	/	<=30	Pass	
Inner_1RB_Left		25.79	/	/	28.85	/	/	<=30	Pass	
Inner_1RB_Right		25.73	/	/	28.79	/	/	<=30	Pass	
DFT-s-OFDM 16 QAM	3480	Edge_1RB_Left	21.72	/	/	24.78	/	/	<=30	Pass
		Edge_1RB_Right	21.98	/	/	25.04	/	/	<=30	Pass
		Outer_Full	23.50	/	/	26.56	/	/	<=30	Pass
		Inner_Full	24.26	/	/	27.32	/	/	<=30	Pass
		Inner_1RB_Left	24.15	/	/	27.21	/	/	<=30	Pass
		Inner_1RB_Right	24.19	/	/	27.25	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.96	/	/	25.02	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	25.07	/	/	<=30	Pass
		Outer_Full	23.72	/	/	26.78	/	/	<=30	Pass
		Inner_Full	24.71	/	/	27.77	/	/	<=30	Pass
		Inner_1RB_Left	24.23	/	/	27.29	/	/	<=30	Pass
		Inner_1RB_Right	24.35	/	/	27.41	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.25	/	/	25.31	/	/	<=30	Pass
		Edge_1RB_Right	22.21	/	/	25.27	/	/	<=30	Pass
		Outer_Full	23.93	/	/	26.99	/	/	<=30	Pass
Inner_Full		24.78	/	/	27.84	/	/	<=30	Pass	
Inner_1RB_Left		24.44	/	/	27.50	/	/	<=30	Pass	
Inner_1RB_Right		24.49	/	/	27.55	/	/	<=30	Pass	
DFT-s-OFDM 64 QAM	3480	Edge_1RB_Left	21.90	/	/	24.96	/	/	<=30	Pass

		Edge_1RB_Right	22.04	/	/	25.10	/	/	<=30	Pass
		Outer_Full	23.06	/	/	26.12	/	/	<=30	Pass
		Inner_Full	22.99	/	/	26.05	/	/	<=30	Pass
		Inner_1RB_Left	23.00	/	/	26.06	/	/	<=30	Pass
		Inner_1RB_Right	22.95	/	/	26.01	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.96	/	/	25.02	/	/	<=30	Pass
		Edge_1RB_Right	22.35	/	/	25.41	/	/	<=30	Pass
		Outer_Full	23.26	/	/	26.32	/	/	<=30	Pass
		Inner_Full	23.36	/	/	26.42	/	/	<=30	Pass
		Inner_1RB_Left	22.94	/	/	26.00	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	23.29	/	/	26.35	/	/	<=30	Pass
		Edge_1RB_Left	22.40	/	/	25.46	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	25.33	/	/	<=30	Pass
		Outer_Full	23.46	/	/	26.52	/	/	<=30	Pass
Inner_Full		23.58	/	/	26.64	/	/	<=30	Pass	
DFT-s-OFDM 256 QAM	3480	Inner_1RB_Left	23.32	/	/	26.38	/	/	<=30	Pass
		Inner_1RB_Right	23.06	/	/	26.12	/	/	<=30	Pass
		Edge_1RB_Left	21.06	/	/	24.12	/	/	<=30	Pass
		Edge_1RB_Right	20.84	/	/	23.90	/	/	<=30	Pass
		Outer_Full	21.01	/	/	24.07	/	/	<=30	Pass
	3500.01	Inner_Full	20.97	/	/	24.03	/	/	<=30	Pass
		Inner_1RB_Left	20.83	/	/	23.89	/	/	<=30	Pass
		Inner_1RB_Right	21.13	/	/	24.19	/	/	<=30	Pass
		Edge_1RB_Left	20.96	/	/	24.02	/	/	<=30	Pass
		Edge_1RB_Right	21.15	/	/	24.21	/	/	<=30	Pass
	3519.99	Outer_Full	21.28	/	/	24.34	/	/	<=30	Pass
		Inner_Full	21.24	/	/	24.30	/	/	<=30	Pass
		Inner_1RB_Left	21.02	/	/	24.08	/	/	<=30	Pass
		Inner_1RB_Right	21.13	/	/	24.19	/	/	<=30	Pass
Edge_1RB_Left		21.29	/	/	24.35	/	/	<=30	Pass	
CP-OFDM QPSK	3480	Edge_1RB_Right	20.88	/	/	23.94	/	/	<=30	Pass
		Outer_Full	21.48	/	/	24.54	/	/	<=30	Pass
		Inner_Full	21.47	/	/	24.53	/	/	<=30	Pass
		Inner_1RB_Left	21.18	/	/	24.24	/	/	<=30	Pass
		Inner_1RB_Right	21.16	/	/	24.22	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.90	/	/	24.96	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	25.15	/	/	<=30	Pass
		Outer_Full	22.48	/	/	25.54	/	/	<=30	Pass
		Inner_Full	23.73	/	/	26.79	/	/	<=30	Pass
		Inner_1RB_Left	23.80	/	/	26.86	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	23.85	/	/	26.91	/	/	<=30	Pass
		Edge_1RB_Left	21.98	/	/	25.04	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	25.24	/	/	<=30	Pass
		Outer_Full	22.76	/	/	25.82	/	/	<=30	Pass
Inner_Full		23.95	/	/	27.01	/	/	<=30	Pass	
3500.01	Inner_1RB_Left	23.92	/	/	26.98	/	/	<=30	Pass	
	Inner_1RB_Right	24.08	/	/	27.14	/	/	<=30	Pass	
	Edge_1RB_Left	22.30	/	/	25.36	/	/	<=30	Pass	
	Edge_1RB_Right	22.08	/	/	25.14	/	/	<=30	Pass	
	Outer_Full	22.96	/	/	26.02	/	/	<=30	Pass	
3519.99	Inner_Full	24.18	/	/	27.24	/	/	<=30	Pass	
	Inner_1RB_Left	24.16	/	/	27.22	/	/	<=30	Pass	
	Inner_1RB_Right	24.18	/	/	27.22	/	/	<=30	Pass	
	Edge_1RB_Left	21.73	/	/	24.79	/	/	<=30	Pass	
	Edge_1RB_Right	22.07	/	/	25.13	/	/	<=30	Pass	
CP-OFDM 16 QAM	3480	Outer_Full	22.58	/	/	25.64	/	/	<=30	Pass
		Inner_Full	23.46	/	/	26.52	/	/	<=30	Pass
		Inner_1RB_Left	23.62	/	/	26.68	/	/	<=30	Pass
		Inner_1RB_Right	23.62	/	/	26.68	/	/	<=30	Pass

	3500.01	Inner_1RB_Right	23.70	/	/	26.76	/	/	<=30	Pass
		Edge_1RB_Left	21.94	/	/	25.00	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	25.08	/	/	<=30	Pass
		Outer_Full	22.73	/	/	25.79	/	/	<=30	Pass
		Inner_Full	23.86	/	/	26.92	/	/	<=30	Pass
		Inner_1RB_Left	23.71	/	/	26.77	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	23.80	/	/	26.86	/	/	<=30	Pass
		Edge_1RB_Left	22.10	/	/	25.16	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	25.10	/	/	<=30	Pass
		Outer_Full	22.92	/	/	25.98	/	/	<=30	Pass
		Inner_Full	24.01	/	/	27.07	/	/	<=30	Pass
		Inner_1RB_Left	23.76	/	/	26.82	/	/	<=30	Pass
CP-OFDM 64 QAM	3480	Inner_1RB_Right	23.64	/	/	26.70	/	/	<=30	Pass
		Edge_1RB_Left	21.88	/	/	24.94	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	25.19	/	/	<=30	Pass
		Outer_Full	21.98	/	/	25.04	/	/	<=30	Pass
		Inner_Full	22.03	/	/	25.09	/	/	<=30	Pass
		Inner_1RB_Left	22.02	/	/	25.08	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	21.93	/	/	24.99	/	/	<=30	Pass
		Edge_1RB_Left	22.18	/	/	25.24	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	25.15	/	/	<=30	Pass
		Outer_Full	22.24	/	/	25.30	/	/	<=30	Pass
		Inner_Full	22.39	/	/	25.45	/	/	<=30	Pass
		Inner_1RB_Left	22.08	/	/	25.14	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	22.11	/	/	25.17	/	/	<=30	Pass
		Edge_1RB_Left	22.29	/	/	25.35	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	25.18	/	/	<=30	Pass
		Outer_Full	22.49	/	/	25.55	/	/	<=30	Pass
		Inner_Full	22.52	/	/	25.58	/	/	<=30	Pass
		Inner_1RB_Left	22.41	/	/	25.47	/	/	<=30	Pass
CP-OFDM 256 QAM	3480	Inner_1RB_Right	22.22	/	/	25.28	/	/	<=30	Pass
		Edge_1RB_Left	18.73	/	/	21.79	/	/	<=30	Pass
		Edge_1RB_Right	19.04	/	/	22.10	/	/	<=30	Pass
		Outer_Full	18.94	/	/	22.00	/	/	<=30	Pass
		Inner_Full	19.00	/	/	22.06	/	/	<=30	Pass
		Inner_1RB_Left	18.79	/	/	21.85	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	19.13	/	/	22.19	/	/	<=30	Pass
		Edge_1RB_Left	18.84	/	/	21.90	/	/	<=30	Pass
		Edge_1RB_Right	19.08	/	/	22.14	/	/	<=30	Pass
		Outer_Full	19.35	/	/	22.41	/	/	<=30	Pass
		Inner_Full	19.39	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Left	19.07	/	/	22.13	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	19.13	/	/	22.19	/	/	<=30	Pass
		Edge_1RB_Left	19.24	/	/	22.30	/	/	<=30	Pass
		Edge_1RB_Right	19.01	/	/	22.07	/	/	<=30	Pass
		Outer_Full	19.42	/	/	22.48	/	/	<=30	Pass
		Inner_Full	19.48	/	/	22.54	/	/	<=30	Pass
		Inner_1RB_Left	19.18	/	/	22.24	/	/	<=30	Pass
		Inner_1RB_Right	19.24	/	/	22.30	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 3.06dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.6 30k_SISO_70MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 70MHz NTN					
Modulation	Frequency	RB	Conducted Power(dBm)	EIRP(dBm)	Verdict

	(MHz)	Allocation	Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3485.01	Edge_1RB_Left	21.97	/	/	25.03	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	25.11	/	/	<=30	Pass
		Outer_Full	24.86	/	/	27.92	/	/	<=30	Pass
		Inner_Full	25.47	/	/	28.53	/	/	<=30	Pass
		Inner_1RB_Left	25.25	/	/	28.31	/	/	<=30	Pass
		Inner_1RB_Right	25.53	/	/	28.59	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.10	/	/	25.16	/	/	<=30	Pass
		Edge_1RB_Right	22.26	/	/	25.32	/	/	<=30	Pass
		Outer_Full	25.26	/	/	28.32	/	/	<=30	Pass
		Inner_Full	25.89	/	/	28.95	/	/	<=30	Pass
		Inner_1RB_Left	25.34	/	/	28.40	/	/	<=30	Pass
		Inner_1RB_Right	25.61	/	/	28.67	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.30	/	/	25.36	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	25.33	/	/	<=30	Pass
		Outer_Full	25.52	/	/	28.58	/	/	<=30	Pass
		Inner_Full	26.10	/	/	29.16	/	/	<=30	Pass
		Inner_1RB_Left	25.61	/	/	28.67	/	/	<=30	Pass
		Inner_1RB_Right	25.70	/	/	28.76	/	/	<=30	Pass
DFT-s-OFDM QPSK	3485.01	Edge_1RB_Left	21.96	/	/	25.02	/	/	<=30	Pass
		Edge_1RB_Right	22.03	/	/	25.09	/	/	<=30	Pass
		Outer_Full	24.30	/	/	27.36	/	/	<=30	Pass
		Inner_Full	25.48	/	/	28.54	/	/	<=30	Pass
		Inner_1RB_Left	25.26	/	/	28.32	/	/	<=30	Pass
		Inner_1RB_Right	25.54	/	/	28.60	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.13	/	/	25.19	/	/	<=30	Pass
		Edge_1RB_Right	22.15	/	/	25.21	/	/	<=30	Pass
		Outer_Full	24.77	/	/	27.83	/	/	<=30	Pass
		Inner_Full	25.90	/	/	28.96	/	/	<=30	Pass
		Inner_1RB_Left	25.35	/	/	28.41	/	/	<=30	Pass
		Inner_1RB_Right	25.56	/	/	28.62	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.18	/	/	25.24	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	25.22	/	/	<=30	Pass
		Outer_Full	24.93	/	/	27.99	/	/	<=30	Pass
		Inner_Full	26.08	/	/	29.14	/	/	<=30	Pass
		Inner_1RB_Left	25.60	/	/	28.66	/	/	<=30	Pass
		Inner_1RB_Right	25.73	/	/	28.79	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3485.01	Edge_1RB_Left	21.85	/	/	24.91	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	25.11	/	/	<=30	Pass
		Outer_Full	23.72	/	/	26.78	/	/	<=30	Pass
		Inner_Full	24.30	/	/	27.36	/	/	<=30	Pass
		Inner_1RB_Left	24.05	/	/	27.11	/	/	<=30	Pass
		Inner_1RB_Right	24.50	/	/	27.56	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.93	/	/	24.99	/	/	<=30	Pass
		Edge_1RB_Right	22.19	/	/	25.25	/	/	<=30	Pass
		Outer_Full	23.91	/	/	26.97	/	/	<=30	Pass
		Inner_Full	24.75	/	/	27.81	/	/	<=30	Pass
		Inner_1RB_Left	24.27	/	/	27.33	/	/	<=30	Pass
		Inner_1RB_Right	24.58	/	/	27.64	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.20	/	/	25.26	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	25.16	/	/	<=30	Pass
		Outer_Full	24.12	/	/	27.18	/	/	<=30	Pass
		Inner_Full	25.00	/	/	28.06	/	/	<=30	Pass
		Inner_1RB_Left	24.66	/	/	27.72	/	/	<=30	Pass
		Inner_1RB_Right	24.42	/	/	27.48	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3485.01	Edge_1RB_Left	21.98	/	/	25.04	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	25.28	/	/	<=30	Pass
		Outer_Full	23.20	/	/	26.26	/	/	<=30	Pass

		Inner_Full	23.25	/	/	26.31	/	/	<=30	Pass	
		Inner_1RB_Left	22.88	/	/	25.94	/	/	<=30	Pass	
		Inner_1RB_Right	23.25	/	/	26.31	/	/	<=30	Pass	
	3500.01	Edge_1RB_Left	22.23	/	/	25.29	/	/	<=30	Pass	
		Edge_1RB_Right	22.05	/	/	25.11	/	/	<=30	Pass	
		Outer_Full	23.43	/	/	26.49	/	/	<=30	Pass	
		Inner_Full	23.44	/	/	26.50	/	/	<=30	Pass	
		Inner_1RB_Left	23.17	/	/	26.23	/	/	<=30	Pass	
		Inner_1RB_Right	23.28	/	/	26.34	/	/	<=30	Pass	
	3514.98	Edge_1RB_Left	22.38	/	/	25.44	/	/	<=30	Pass	
		Edge_1RB_Right	22.20	/	/	25.26	/	/	<=30	Pass	
		Outer_Full	23.68	/	/	26.74	/	/	<=30	Pass	
		Inner_Full	23.63	/	/	26.69	/	/	<=30	Pass	
		Inner_1RB_Left	23.30	/	/	26.36	/	/	<=30	Pass	
		Inner_1RB_Right	23.43	/	/	26.49	/	/	<=30	Pass	
DFT-s-OFDM 256 QAM	3485.01	Edge_1RB_Left	20.79	/	/	23.85	/	/	<=30	Pass	
		Edge_1RB_Right	20.96	/	/	24.02	/	/	<=30	Pass	
		Outer_Full	21.18	/	/	24.24	/	/	<=30	Pass	
		Inner_Full	21.09	/	/	24.15	/	/	<=30	Pass	
		Inner_1RB_Left	20.94	/	/	24.00	/	/	<=30	Pass	
		Inner_1RB_Right	21.11	/	/	24.17	/	/	<=30	Pass	
	3500.01	Edge_1RB_Left	21.05	/	/	24.11	/	/	<=30	Pass	
		Edge_1RB_Right	21.18	/	/	24.24	/	/	<=30	Pass	
		Outer_Full	21.32	/	/	24.38	/	/	<=30	Pass	
		Inner_Full	21.35	/	/	24.41	/	/	<=30	Pass	
		Inner_1RB_Left	21.10	/	/	24.16	/	/	<=30	Pass	
		Inner_1RB_Right	21.17	/	/	24.23	/	/	<=30	Pass	
	3514.98	Edge_1RB_Left	21.18	/	/	24.24	/	/	<=30	Pass	
		Edge_1RB_Right	21.21	/	/	24.27	/	/	<=30	Pass	
		Outer_Full	21.46	/	/	24.52	/	/	<=30	Pass	
		Inner_Full	21.73	/	/	24.79	/	/	<=30	Pass	
		Inner_1RB_Left	21.24	/	/	24.30	/	/	<=30	Pass	
		Inner_1RB_Right	21.30	/	/	24.36	/	/	<=30	Pass	
	CP-OFDM QPSK	3485.01	Edge_1RB_Left	21.86	/	/	24.92	/	/	<=30	Pass
			Edge_1RB_Right	22.15	/	/	25.21	/	/	<=30	Pass
			Outer_Full	22.68	/	/	25.74	/	/	<=30	Pass
			Inner_Full	23.87	/	/	26.93	/	/	<=30	Pass
			Inner_1RB_Left	23.77	/	/	26.83	/	/	<=30	Pass
			Inner_1RB_Right	24.15	/	/	27.21	/	/	<=30	Pass
3500.01		Edge_1RB_Left	22.00	/	/	25.06	/	/	<=30	Pass	
		Edge_1RB_Right	22.31	/	/	25.37	/	/	<=30	Pass	
		Outer_Full	22.75	/	/	25.81	/	/	<=30	Pass	
		Inner_Full	24.20	/	/	27.26	/	/	<=30	Pass	
		Inner_1RB_Left	24.00	/	/	27.06	/	/	<=30	Pass	
		Inner_1RB_Right	24.21	/	/	27.27	/	/	<=30	Pass	
3514.98		Edge_1RB_Left	22.24	/	/	25.30	/	/	<=30	Pass	
		Edge_1RB_Right	22.28	/	/	25.34	/	/	<=30	Pass	
		Outer_Full	23.14	/	/	26.20	/	/	<=30	Pass	
		Inner_Full	24.48	/	/	27.54	/	/	<=30	Pass	
		Inner_1RB_Left	24.21	/	/	27.27	/	/	<=30	Pass	
		Inner_1RB_Right	24.34	/	/	27.40	/	/	<=30	Pass	
CP-OFDM 16 QAM	3485.01	Edge_1RB_Left	21.91	/	/	24.97	/	/	<=30	Pass	
		Edge_1RB_Right	22.12	/	/	25.18	/	/	<=30	Pass	
		Outer_Full	22.64	/	/	25.70	/	/	<=30	Pass	
		Inner_Full	23.70	/	/	26.76	/	/	<=30	Pass	
		Inner_1RB_Left	23.62	/	/	26.68	/	/	<=30	Pass	
		Inner_1RB_Right	23.66	/	/	26.72	/	/	<=30	Pass	
	3500.01	Edge_1RB_Left	21.91	/	/	24.97	/	/	<=30	Pass	

		Edge_1RB_Right	22.32	/	/	25.38	/	/	<=30	Pass	
		Outer_Full	22.87	/	/	25.93	/	/	<=30	Pass	
		Inner_Full	24.01	/	/	27.07	/	/	<=30	Pass	
		Inner_1RB_Left	23.72	/	/	26.78	/	/	<=30	Pass	
		Inner_1RB_Right	23.67	/	/	26.73	/	/	<=30	Pass	
	3514.98	Edge_1RB_Left	22.18	/	/	25.24	/	/	<=30	Pass	
		Edge_1RB_Right	22.34	/	/	25.40	/	/	<=30	Pass	
		Outer_Full	23.12	/	/	26.18	/	/	<=30	Pass	
		Inner_Full	24.20	/	/	27.26	/	/	<=30	Pass	
		Inner_1RB_Left	23.87	/	/	26.93	/	/	<=30	Pass	
	CP-OFDM 64 QAM	3485.01	Inner_1RB_Right	23.81	/	/	26.87	/	/	<=30	Pass
			Edge_1RB_Left	22.12	/	/	25.18	/	/	<=30	Pass
			Edge_1RB_Right	22.26	/	/	25.32	/	/	<=30	Pass
			Outer_Full	22.11	/	/	25.17	/	/	<=30	Pass
Inner_Full			22.11	/	/	25.17	/	/	<=30	Pass	
3500.01		Inner_1RB_Left	22.07	/	/	25.13	/	/	<=30	Pass	
		Inner_1RB_Right	22.06	/	/	25.12	/	/	<=30	Pass	
		Edge_1RB_Left	22.08	/	/	25.14	/	/	<=30	Pass	
		Edge_1RB_Right	22.42	/	/	25.48	/	/	<=30	Pass	
		Outer_Full	22.35	/	/	25.41	/	/	<=30	Pass	
3514.98		Inner_Full	22.37	/	/	25.43	/	/	<=30	Pass	
		Inner_1RB_Left	22.09	/	/	25.15	/	/	<=30	Pass	
		Inner_1RB_Right	22.37	/	/	25.43	/	/	<=30	Pass	
		Edge_1RB_Left	22.32	/	/	25.38	/	/	<=30	Pass	
	Edge_1RB_Right	22.34	/	/	25.40	/	/	<=30	Pass		
CP-OFDM 256 QAM	3485.01	Outer_Full	22.57	/	/	25.63	/	/	<=30	Pass	
		Inner_Full	22.66	/	/	25.72	/	/	<=30	Pass	
		Inner_1RB_Left	22.42	/	/	25.48	/	/	<=30	Pass	
		Inner_1RB_Right	22.15	/	/	25.21	/	/	<=30	Pass	
		Edge_1RB_Left	18.92	/	/	21.98	/	/	<=30	Pass	
	3500.01	Edge_1RB_Right	19.13	/	/	22.19	/	/	<=30	Pass	
		Outer_Full	19.10	/	/	22.16	/	/	<=30	Pass	
		Inner_Full	19.05	/	/	22.11	/	/	<=30	Pass	
		Inner_1RB_Left	18.90	/	/	21.96	/	/	<=30	Pass	
		Inner_1RB_Right	19.30	/	/	22.36	/	/	<=30	Pass	
	3514.98	Edge_1RB_Left	19.07	/	/	22.13	/	/	<=30	Pass	
		Edge_1RB_Right	19.14	/	/	22.20	/	/	<=30	Pass	
		Outer_Full	19.35	/	/	22.41	/	/	<=30	Pass	
		Inner_Full	19.33	/	/	22.39	/	/	<=30	Pass	
Inner_1RB_Left		19.15	/	/	22.21	/	/	<=30	Pass		
	Inner_1RB_Right	19.30	/	/	22.36	/	/	<=30	Pass		
	Edge_1RB_Left	19.51	/	/	22.57	/	/	<=30	Pass		
	Edge_1RB_Right	19.25	/	/	22.31	/	/	<=30	Pass		
	Outer_Full	19.59	/	/	22.65	/	/	<=30	Pass		
	Inner_Full	19.74	/	/	22.80	/	/	<=30	Pass		
	Inner_1RB_Left	19.51	/	/	22.57	/	/	<=30	Pass		
	Inner_1RB_Right	19.25	/	/	22.31	/	/	<=30	Pass		

Note1: Antenna Gain: Ant1: 3.06dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.1.7 30k_SISO_80MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2	3490.02	Edge_1RB_Left	22.06	/	/	25.12	/	/	<=30	Pass

BPSK		Edge_1RB_Right	22.21	/	/	25.27	/	/	<=30	Pass
		Outer_Full	25.01	/	/	28.07	/	/	<=30	Pass
		Inner_Full	25.83	/	/	28.89	/	/	<=30	Pass
		Inner_1RB_Left	25.28	/	/	28.34	/	/	<=30	Pass
		Inner_1RB_Right	25.47	/	/	28.53	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.20	/	/	25.26	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	25.28	/	/	<=30	Pass
		Outer_Full	25.31	/	/	28.37	/	/	<=30	Pass
		Inner_Full	25.84	/	/	28.90	/	/	<=30	Pass
		Inner_1RB_Left	25.40	/	/	28.46	/	/	<=30	Pass
	3510	Inner_1RB_Right	25.49	/	/	28.55	/	/	<=30	Pass
		Edge_1RB_Left	22.23	/	/	25.29	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	25.38	/	/	<=30	Pass
		Outer_Full	25.32	/	/	28.38	/	/	<=30	Pass
Inner_Full		26.03	/	/	29.09	/	/	<=30	Pass	
DFT-s-OFDM QPSK	3490.02	Inner_1RB_Left	25.58	/	/	28.64	/	/	<=30	Pass
		Inner_1RB_Right	25.61	/	/	28.67	/	/	<=30	Pass
		Edge_1RB_Left	21.97	/	/	25.03	/	/	<=30	Pass
		Edge_1RB_Right	22.20	/	/	25.26	/	/	<=30	Pass
		Outer_Full	24.58	/	/	27.64	/	/	<=30	Pass
	3500.01	Inner_Full	25.67	/	/	28.73	/	/	<=30	Pass
		Inner_1RB_Left	25.47	/	/	28.53	/	/	<=30	Pass
		Inner_1RB_Right	25.54	/	/	28.60	/	/	<=30	Pass
		Edge_1RB_Left	22.00	/	/	25.06	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	25.24	/	/	<=30	Pass
	3510	Outer_Full	24.73	/	/	27.79	/	/	<=30	Pass
		Inner_Full	25.79	/	/	28.85	/	/	<=30	Pass
		Inner_1RB_Left	25.44	/	/	28.50	/	/	<=30	Pass
		Inner_1RB_Right	25.45	/	/	28.51	/	/	<=30	Pass
Edge_1RB_Left		22.11	/	/	25.17	/	/	<=30	Pass	
DFT-s-OFDM 16 QAM	3490.02	Edge_1RB_Right	22.20	/	/	25.26	/	/	<=30	Pass
		Outer_Full	23.85	/	/	26.91	/	/	<=30	Pass
		Inner_Full	24.75	/	/	27.81	/	/	<=30	Pass
		Inner_1RB_Left	24.26	/	/	27.32	/	/	<=30	Pass
		Inner_1RB_Right	24.50	/	/	27.56	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.21	/	/	25.27	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	25.28	/	/	<=30	Pass
		Outer_Full	23.87	/	/	26.93	/	/	<=30	Pass
		Inner_Full	24.86	/	/	27.92	/	/	<=30	Pass
		Inner_1RB_Left	24.44	/	/	27.50	/	/	<=30	Pass
	3510	Inner_1RB_Right	24.40	/	/	27.46	/	/	<=30	Pass
		Edge_1RB_Left	22.08	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	25.16	/	/	<=30	Pass
		Outer_Full	24.04	/	/	27.10	/	/	<=30	Pass
Inner_Full		24.89	/	/	27.95	/	/	<=30	Pass	
DFT-s-OFDM 64 QAM	3490.02	Inner_1RB_Left	24.49	/	/	27.55	/	/	<=30	Pass
		Inner_1RB_Right	24.74	/	/	27.80	/	/	<=30	Pass
		Edge_1RB_Left	22.08	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	22.20	/	/	25.26	/	/	<=30	Pass
		Outer_Full	23.32	/	/	26.38	/	/	<=30	Pass
		Inner_Full	23.33	/	/	26.39	/	/	<=30	Pass
		Inner_1RB_Left	23.10	/	/	26.16	/	/	<=30	Pass

	3500.01	Inner_1RB_Right	23.23	/	/	26.29	/	/	<=30	Pass
		Edge_1RB_Left	22.21	/	/	25.27	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	25.31	/	/	<=30	Pass
		Outer_Full	23.39	/	/	26.45	/	/	<=30	Pass
		Inner_Full	23.41	/	/	26.47	/	/	<=30	Pass
		Inner_1RB_Left	22.96	/	/	26.02	/	/	<=30	Pass
	3510	Inner_1RB_Right	23.36	/	/	26.42	/	/	<=30	Pass
		Edge_1RB_Left	22.32	/	/	25.38	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	25.19	/	/	<=30	Pass
		Outer_Full	23.59	/	/	26.65	/	/	<=30	Pass
		Inner_Full	23.67	/	/	26.73	/	/	<=30	Pass
		Inner_1RB_Left	23.41	/	/	26.47	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3490.02	Inner_1RB_Right	23.23	/	/	26.29	/	/	<=30	Pass
		Edge_1RB_Left	21.10	/	/	24.16	/	/	<=30	Pass
		Edge_1RB_Right	21.22	/	/	24.28	/	/	<=30	Pass
		Outer_Full	21.24	/	/	24.30	/	/	<=30	Pass
		Inner_Full	21.27	/	/	24.33	/	/	<=30	Pass
		Inner_1RB_Left	21.10	/	/	24.16	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	21.11	/	/	24.17	/	/	<=30	Pass
		Edge_1RB_Left	21.19	/	/	24.25	/	/	<=30	Pass
		Edge_1RB_Right	21.24	/	/	24.30	/	/	<=30	Pass
		Outer_Full	21.38	/	/	24.44	/	/	<=30	Pass
		Inner_Full	21.49	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	24.25	/	/	<=30	Pass
	3510	Inner_1RB_Right	21.12	/	/	24.18	/	/	<=30	Pass
		Edge_1RB_Left	21.07	/	/	24.13	/	/	<=30	Pass
		Edge_1RB_Right	21.39	/	/	24.45	/	/	<=30	Pass
		Outer_Full	21.44	/	/	24.50	/	/	<=30	Pass
		Inner_Full	21.55	/	/	24.61	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	24.25	/	/	<=30	Pass
CP-OFDM QPSK	3490.02	Inner_1RB_Right	21.23	/	/	24.29	/	/	<=30	Pass
		Edge_1RB_Left	22.05	/	/	25.11	/	/	<=30	Pass
		Edge_1RB_Right	22.15	/	/	25.21	/	/	<=30	Pass
		Outer_Full	22.71	/	/	25.77	/	/	<=30	Pass
		Inner_Full	24.26	/	/	27.32	/	/	<=30	Pass
		Inner_1RB_Left	23.84	/	/	26.90	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	24.10	/	/	27.16	/	/	<=30	Pass
		Edge_1RB_Left	22.08	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	22.20	/	/	25.26	/	/	<=30	Pass
		Outer_Full	22.92	/	/	25.98	/	/	<=30	Pass
		Inner_Full	24.20	/	/	27.26	/	/	<=30	Pass
		Inner_1RB_Left	23.93	/	/	26.99	/	/	<=30	Pass
	3510	Inner_1RB_Right	24.09	/	/	27.15	/	/	<=30	Pass
		Edge_1RB_Left	22.29	/	/	25.35	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	25.33	/	/	<=30	Pass
		Outer_Full	22.96	/	/	26.02	/	/	<=30	Pass
		Inner_Full	24.49	/	/	27.55	/	/	<=30	Pass
		Inner_1RB_Left	24.08	/	/	27.14	/	/	<=30	Pass
CP-OFDM 16 QAM	3490.02	Inner_1RB_Right	24.08	/	/	27.14	/	/	<=30	Pass
		Edge_1RB_Left	22.02	/	/	25.08	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	25.19	/	/	<=30	Pass
		Outer_Full	22.73	/	/	25.79	/	/	<=30	Pass
		Inner_Full	23.92	/	/	26.98	/	/	<=30	Pass
		Inner_1RB_Left	23.53	/	/	26.59	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.73	/	/	26.79	/	/	<=30	Pass
		Edge_1RB_Left	22.06	/	/	25.12	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	25.19	/	/	<=30	Pass
		Outer_Full	22.85	/	/	25.91	/	/	<=30	Pass

		Inner_Full	24.02	/	/	27.08	/	/	<=30	Pass	
		Inner_1RB_Left	23.64	/	/	26.70	/	/	<=30	Pass	
		Inner_1RB_Right	23.75	/	/	26.81	/	/	<=30	Pass	
	3510	Edge_1RB_Left	Edge_1RB_Left	22.26	/	/	25.32	/	/	<=30	Pass
			Edge_1RB_Right	22.16	/	/	25.22	/	/	<=30	Pass
			Outer_Full	22.96	/	/	26.02	/	/	<=30	Pass
		Inner_Full	Inner_Full	24.11	/	/	27.17	/	/	<=30	Pass
			Inner_1RB_Left	23.73	/	/	26.79	/	/	<=30	Pass
			Inner_1RB_Right	23.66	/	/	26.72	/	/	<=30	Pass
CP-OFDM 64 QAM	3490.02	Edge_1RB_Left	22.16	/	/	25.22	/	/	<=30	Pass	
		Edge_1RB_Right	22.19	/	/	25.25	/	/	<=30	Pass	
		Outer_Full	22.30	/	/	25.36	/	/	<=30	Pass	
		Inner_Full	22.33	/	/	25.39	/	/	<=30	Pass	
		Inner_1RB_Left	22.13	/	/	25.19	/	/	<=30	Pass	
		Inner_1RB_Right	22.34	/	/	25.40	/	/	<=30	Pass	
	3500.01	Edge_1RB_Left	22.31	/	/	25.37	/	/	<=30	Pass	
		Edge_1RB_Right	22.37	/	/	25.43	/	/	<=30	Pass	
		Outer_Full	22.36	/	/	25.42	/	/	<=30	Pass	
		Inner_Full	22.44	/	/	25.50	/	/	<=30	Pass	
		Inner_1RB_Left	22.18	/	/	25.24	/	/	<=30	Pass	
		Inner_1RB_Right	22.30	/	/	25.36	/	/	<=30	Pass	
	3510	Edge_1RB_Left	22.21	/	/	25.27	/	/	<=30	Pass	
		Edge_1RB_Right	22.29	/	/	25.35	/	/	<=30	Pass	
		Outer_Full	22.45	/	/	25.51	/	/	<=30	Pass	
		Inner_Full	22.58	/	/	25.64	/	/	<=30	Pass	
		Inner_1RB_Left	22.32	/	/	25.38	/	/	<=30	Pass	
		Inner_1RB_Right	22.42	/	/	25.48	/	/	<=30	Pass	
	CP-OFDM 256 QAM	3490.02	Edge_1RB_Left	18.95	/	/	22.01	/	/	<=30	Pass
			Edge_1RB_Right	19.17	/	/	22.23	/	/	<=30	Pass
			Outer_Full	19.23	/	/	22.29	/	/	<=30	Pass
			Inner_Full	19.34	/	/	22.40	/	/	<=30	Pass
			Inner_1RB_Left	19.05	/	/	22.11	/	/	<=30	Pass
			Inner_1RB_Right	19.21	/	/	22.27	/	/	<=30	Pass
3500.01		Edge_1RB_Left	19.29	/	/	22.35	/	/	<=30	Pass	
		Edge_1RB_Right	19.19	/	/	22.25	/	/	<=30	Pass	
		Outer_Full	19.34	/	/	22.40	/	/	<=30	Pass	
		Inner_Full	19.34	/	/	22.40	/	/	<=30	Pass	
		Inner_1RB_Left	19.11	/	/	22.17	/	/	<=30	Pass	
		Inner_1RB_Right	19.17	/	/	22.23	/	/	<=30	Pass	
3510		Edge_1RB_Left	19.32	/	/	22.38	/	/	<=30	Pass	
		Edge_1RB_Right	19.09	/	/	22.15	/	/	<=30	Pass	
		Outer_Full	19.44	/	/	22.50	/	/	<=30	Pass	
		Inner_Full	19.58	/	/	22.64	/	/	<=30	Pass	
		Inner_1RB_Left	19.19	/	/	22.25	/	/	<=30	Pass	
		Inner_1RB_Right	19.11	/	/	22.17	/	/	<=30	Pass	
Note1: Antenna Gain: Ant1: 3.06dBi;											
Note2: EIRP=Conducted Power+Antenna Gain											

1.1.8 30k_SISO_90MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3495	Edge_1RB_Left	22.19	/	/	25.25	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	25.31	/	/	<=30	Pass
		Outer_Full	25.09	/	/	28.15	/	/	<=30	Pass

		Inner_Full	25.73	/	/	28.79	/	/	<=30	Pass
		Inner_1RB_Left	25.46	/	/	28.52	/	/	<=30	Pass
		Inner_1RB_Right	25.57	/	/	28.63	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.00	/	/	25.06	/	/	<=30	Pass
		Edge_1RB_Right	22.20	/	/	25.26	/	/	<=30	Pass
		Outer_Full	25.21	/	/	28.27	/	/	<=30	Pass
		Inner_Full	26.05	/	/	29.11	/	/	<=30	Pass
		Inner_1RB_Left	25.33	/	/	28.39	/	/	<=30	Pass
		Inner_1RB_Right	25.45	/	/	28.51	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	22.22	/	/	25.28	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	25.14	/	/	<=30	Pass
		Outer_Full	25.45	/	/	28.51	/	/	<=30	Pass
		Inner_Full	26.01	/	/	29.07	/	/	<=30	Pass
		Inner_1RB_Left	25.65	/	/	28.71	/	/	<=30	Pass
		Inner_1RB_Right	25.42	/	/	28.48	/	/	<=30	Pass
DFT-s-OFDM QPSK	3495	Edge_1RB_Left	22.05	/	/	25.11	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	25.24	/	/	<=30	Pass
		Outer_Full	24.56	/	/	27.62	/	/	<=30	Pass
		Inner_Full	25.71	/	/	28.77	/	/	<=30	Pass
		Inner_1RB_Left	25.39	/	/	28.45	/	/	<=30	Pass
		Inner_1RB_Right	25.57	/	/	28.63	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.97	/	/	25.03	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	25.22	/	/	<=30	Pass
		Outer_Full	24.70	/	/	27.76	/	/	<=30	Pass
		Inner_Full	26.44	/	/	29.50	/	/	<=30	Pass
		Inner_1RB_Left	25.46	/	/	28.52	/	/	<=30	Pass
		Inner_1RB_Right	25.55	/	/	28.61	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	22.16	/	/	25.22	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	25.19	/	/	<=30	Pass
		Outer_Full	24.86	/	/	27.92	/	/	<=30	Pass
		Inner_Full	26.07	/	/	29.13	/	/	<=30	Pass
		Inner_1RB_Left	25.55	/	/	28.61	/	/	<=30	Pass
		Inner_1RB_Right	25.42	/	/	28.48	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3495	Edge_1RB_Left	22.20	/	/	25.26	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	25.03	/	/	<=30	Pass
		Outer_Full	23.80	/	/	26.86	/	/	<=30	Pass
		Inner_Full	24.69	/	/	27.75	/	/	<=30	Pass
		Inner_1RB_Left	24.24	/	/	27.30	/	/	<=30	Pass
		Inner_1RB_Right	24.53	/	/	27.59	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.23	/	/	25.29	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	25.10	/	/	<=30	Pass
		Outer_Full	23.91	/	/	26.97	/	/	<=30	Pass
		Inner_Full	24.82	/	/	27.88	/	/	<=30	Pass
		Inner_1RB_Left	24.41	/	/	27.47	/	/	<=30	Pass
		Inner_1RB_Right	24.56	/	/	27.62	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	22.37	/	/	25.43	/	/	<=30	Pass
		Edge_1RB_Right	22.19	/	/	25.25	/	/	<=30	Pass
		Outer_Full	24.05	/	/	27.11	/	/	<=30	Pass
		Inner_Full	24.95	/	/	28.01	/	/	<=30	Pass
		Inner_1RB_Left	24.77	/	/	27.83	/	/	<=30	Pass
		Inner_1RB_Right	24.40	/	/	27.46	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3495	Edge_1RB_Left	22.06	/	/	25.12	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	25.36	/	/	<=30	Pass
		Outer_Full	23.29	/	/	26.35	/	/	<=30	Pass
		Inner_Full	23.31	/	/	26.37	/	/	<=30	Pass
		Inner_1RB_Left	23.15	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Right	23.31	/	/	26.37	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.38	/	/	25.44	/	/	<=30	Pass

		Edge_1RB_Right	22.14	/	/	25.20	/	/	<=30	Pass		
		Outer_Full	23.43	/	/	26.49	/	/	<=30	Pass		
		Inner_Full	23.61	/	/	26.67	/	/	<=30	Pass		
		Inner_1RB_Left	23.15	/	/	26.21	/	/	<=30	Pass		
		Inner_1RB_Right	23.22	/	/	26.28	/	/	<=30	Pass		
	3504.99	Edge_1RB_Left	22.38	/	/	25.44	/	/	<=30	Pass		
		Edge_1RB_Right	22.21	/	/	25.27	/	/	<=30	Pass		
		Outer_Full	23.57	/	/	26.63	/	/	<=30	Pass		
		Inner_Full	23.75	/	/	26.81	/	/	<=30	Pass		
		Inner_1RB_Left	23.24	/	/	26.30	/	/	<=30	Pass		
		Inner_1RB_Right	23.25	/	/	26.31	/	/	<=30	Pass		
		DFT-s-OFDM 256 QAM	3495	Edge_1RB_Left	21.17	/	/	24.23	/	/	<=30	Pass
				Edge_1RB_Right	21.20	/	/	24.26	/	/	<=30	Pass
				Outer_Full	21.18	/	/	24.24	/	/	<=30	Pass
Inner_Full	21.22			/	/	24.28	/	/	<=30	Pass		
Inner_1RB_Left	20.98			/	/	24.04	/	/	<=30	Pass		
3500.01	Inner_1RB_Right		21.36	/	/	24.42	/	/	<=30	Pass		
	Edge_1RB_Left		21.15	/	/	24.21	/	/	<=30	Pass		
	Edge_1RB_Right		21.20	/	/	24.26	/	/	<=30	Pass		
	Outer_Full		21.39	/	/	24.45	/	/	<=30	Pass		
	Inner_Full		21.48	/	/	24.54	/	/	<=30	Pass		
	Inner_1RB_Left		21.09	/	/	24.15	/	/	<=30	Pass		
	Inner_1RB_Right		21.04	/	/	24.10	/	/	<=30	Pass		
	3504.99		Edge_1RB_Left	21.19	/	/	24.25	/	/	<=30	Pass	
			Edge_1RB_Right	21.25	/	/	24.31	/	/	<=30	Pass	
Outer_Full		21.65	/	/	24.71	/	/	<=30	Pass			
Inner_Full		21.70	/	/	24.76	/	/	<=30	Pass			
Inner_1RB_Left		21.27	/	/	24.33	/	/	<=30	Pass			
CP-OFDM QPSK	3495	Inner_1RB_Right	21.15	/	/	24.21	/	/	<=30	Pass		
		Edge_1RB_Left	22.23	/	/	25.29	/	/	<=30	Pass		
		Edge_1RB_Right	22.21	/	/	25.27	/	/	<=30	Pass		
		Outer_Full	22.83	/	/	25.89	/	/	<=30	Pass		
		Inner_Full	24.10	/	/	27.16	/	/	<=30	Pass		
	3500.01	Inner_1RB_Left	23.94	/	/	27.00	/	/	<=30	Pass		
		Inner_1RB_Right	24.11	/	/	27.17	/	/	<=30	Pass		
		Edge_1RB_Left	22.22	/	/	25.28	/	/	<=30	Pass		
		Edge_1RB_Right	22.41	/	/	25.47	/	/	<=30	Pass		
		Outer_Full	22.83	/	/	25.89	/	/	<=30	Pass		
		Inner_Full	24.17	/	/	27.23	/	/	<=30	Pass		
	3504.99	Inner_1RB_Left	24.08	/	/	27.14	/	/	<=30	Pass		
		Inner_1RB_Right	24.06	/	/	27.12	/	/	<=30	Pass		
		Edge_1RB_Left	22.19	/	/	25.25	/	/	<=30	Pass		
Edge_1RB_Right		22.27	/	/	25.33	/	/	<=30	Pass			
Outer_Full		23.07	/	/	26.13	/	/	<=30	Pass			
Inner_Full		24.44	/	/	27.50	/	/	<=30	Pass			
Inner_1RB_Left		24.11	/	/	27.17	/	/	<=30	Pass			
CP-OFDM 16 QAM	3495	Inner_1RB_Right	24.09	/	/	27.15	/	/	<=30	Pass		
		Edge_1RB_Left	22.19	/	/	25.25	/	/	<=30	Pass		
		Edge_1RB_Right	22.08	/	/	25.14	/	/	<=30	Pass		
		Outer_Full	22.82	/	/	25.88	/	/	<=30	Pass		
		Inner_Full	23.88	/	/	26.94	/	/	<=30	Pass		
	3500.01	Inner_1RB_Left	23.65	/	/	26.71	/	/	<=30	Pass		
		Inner_1RB_Right	23.82	/	/	26.88	/	/	<=30	Pass		
		Edge_1RB_Left	22.29	/	/	25.35	/	/	<=30	Pass		
		Edge_1RB_Right	22.27	/	/	25.33	/	/	<=30	Pass		
		Outer_Full	22.97	/	/	26.03	/	/	<=30	Pass		
		Inner_Full	24.16	/	/	27.22	/	/	<=30	Pass		
		Inner_1RB_Left	23.68	/	/	26.74	/	/	<=30	Pass		

	3504.99	Inner_1RB_Right	23.86	/	/	26.92	/	/	<=30	Pass
		Edge_1RB_Left	22.18	/	/	25.24	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	25.18	/	/	<=30	Pass
		Outer_Full	22.96	/	/	26.02	/	/	<=30	Pass
		Inner_Full	24.26	/	/	27.32	/	/	<=30	Pass
		Inner_1RB_Left	23.89	/	/	26.95	/	/	<=30	Pass
CP-OFDM 64 QAM	3495	Inner_1RB_Right	23.82	/	/	26.88	/	/	<=30	Pass
		Edge_1RB_Left	22.48	/	/	25.54	/	/	<=30	Pass
		Edge_1RB_Right	22.33	/	/	25.39	/	/	<=30	Pass
		Outer_Full	22.31	/	/	25.37	/	/	<=30	Pass
		Inner_Full	22.26	/	/	25.32	/	/	<=30	Pass
		Inner_1RB_Left	22.23	/	/	25.29	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	22.10	/	/	25.16	/	/	<=30	Pass
		Edge_1RB_Left	22.31	/	/	25.37	/	/	<=30	Pass
		Edge_1RB_Right	22.33	/	/	25.39	/	/	<=30	Pass
		Outer_Full	22.44	/	/	25.50	/	/	<=30	Pass
		Inner_Full	22.48	/	/	25.54	/	/	<=30	Pass
		Inner_1RB_Left	22.33	/	/	25.39	/	/	<=30	Pass
	3504.99	Inner_1RB_Right	22.20	/	/	25.26	/	/	<=30	Pass
		Edge_1RB_Left	22.27	/	/	25.33	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	25.44	/	/	<=30	Pass
		Outer_Full	22.57	/	/	25.63	/	/	<=30	Pass
		Inner_Full	22.75	/	/	25.81	/	/	<=30	Pass
		Inner_1RB_Left	22.32	/	/	25.38	/	/	<=30	Pass
CP-OFDM 256 QAM	3495	Inner_1RB_Right	22.37	/	/	25.43	/	/	<=30	Pass
		Edge_1RB_Left	19.00	/	/	22.06	/	/	<=30	Pass
		Edge_1RB_Right	19.25	/	/	22.31	/	/	<=30	Pass
		Outer_Full	19.13	/	/	22.19	/	/	<=30	Pass
		Inner_Full	19.36	/	/	22.42	/	/	<=30	Pass
		Inner_1RB_Left	19.10	/	/	22.16	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	19.17	/	/	22.23	/	/	<=30	Pass
		Edge_1RB_Left	19.26	/	/	22.32	/	/	<=30	Pass
		Edge_1RB_Right	19.18	/	/	22.24	/	/	<=30	Pass
		Outer_Full	19.43	/	/	22.49	/	/	<=30	Pass
		Inner_Full	19.48	/	/	22.54	/	/	<=30	Pass
		Inner_1RB_Left	19.17	/	/	22.23	/	/	<=30	Pass
	3504.99	Inner_1RB_Right	19.22	/	/	22.28	/	/	<=30	Pass
		Edge_1RB_Left	19.05	/	/	22.11	/	/	<=30	Pass
		Edge_1RB_Right	19.24	/	/	22.30	/	/	<=30	Pass
		Outer_Full	19.57	/	/	22.63	/	/	<=30	Pass
		Inner_Full	19.66	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Left	19.26	/	/	22.32	/	/	<=30	Pass
		Inner_1RB_Right	19.24	/	/	22.30	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 3.06dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.9 30k_SISO_100MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Edge_1RB_Left	22.14	/	/	25.20	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	25.13	/	/	<=30	Pass
		Outer_Full	25.33	/	/	28.39	/	/	<=30	Pass
		Inner_Full	25.82	/	/	28.88	/	/	<=30	Pass
		Inner_1RB_Left	25.46	/	/	28.52	/	/	<=30	Pass

		Inner_1RB_Right	25.41	/	/	28.47	/	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Edge_1RB_Left	22.06	/	/	25.12	/	/	<=30	Pass
		Edge_1RB_Right	22.03	/	/	25.09	/	/	<=30	Pass
		Outer_Full	24.77	/	/	27.83	/	/	<=30	Pass
		Inner_Full	25.84	/	/	28.90	/	/	<=30	Pass
		Inner_1RB_Left	25.57	/	/	28.63	/	/	<=30	Pass
		Inner_1RB_Right	25.55	/	/	28.61	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Edge_1RB_Left	22.17	/	/	25.23	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	25.22	/	/	<=30	Pass
		Outer_Full	23.89	/	/	26.95	/	/	<=30	Pass
		Inner_Full	24.78	/	/	27.84	/	/	<=30	Pass
		Inner_1RB_Left	24.34	/	/	27.40	/	/	<=30	Pass
		Inner_1RB_Right	24.36	/	/	27.42	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Edge_1RB_Left	22.15	/	/	25.21	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	25.38	/	/	<=30	Pass
		Outer_Full	23.38	/	/	26.44	/	/	<=30	Pass
		Inner_Full	23.58	/	/	26.64	/	/	<=30	Pass
		Inner_1RB_Left	23.37	/	/	26.43	/	/	<=30	Pass
		Inner_1RB_Right	23.05	/	/	26.11	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3500.01	Edge_1RB_Left	21.12	/	/	24.18	/	/	<=30	Pass
		Edge_1RB_Right	21.17	/	/	24.23	/	/	<=30	Pass
		Outer_Full	21.37	/	/	24.43	/	/	<=30	Pass
		Inner_Full	21.43	/	/	24.49	/	/	<=30	Pass
		Inner_1RB_Left	21.11	/	/	24.17	/	/	<=30	Pass
		Inner_1RB_Right	20.93	/	/	23.99	/	/	<=30	Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	22.31	/	/	25.37	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	25.28	/	/	<=30	Pass
		Outer_Full	22.88	/	/	25.94	/	/	<=30	Pass
		Inner_Full	24.19	/	/	27.25	/	/	<=30	Pass
		Inner_1RB_Left	24.06	/	/	27.12	/	/	<=30	Pass
		Inner_1RB_Right	24.00	/	/	27.06	/	/	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	22.31	/	/	25.37	/	/	<=30	Pass
		Edge_1RB_Right	22.21	/	/	25.27	/	/	<=30	Pass
		Outer_Full	22.92	/	/	25.98	/	/	<=30	Pass
		Inner_Full	24.05	/	/	27.11	/	/	<=30	Pass
		Inner_1RB_Left	23.77	/	/	26.83	/	/	<=30	Pass
		Inner_1RB_Right	23.66	/	/	26.72	/	/	<=30	Pass
CP-OFDM 64 QAM	3500.01	Edge_1RB_Left	22.40	/	/	25.46	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	25.11	/	/	<=30	Pass
		Outer_Full	22.44	/	/	25.50	/	/	<=30	Pass
		Inner_Full	22.53	/	/	25.59	/	/	<=30	Pass
		Inner_1RB_Left	22.12	/	/	25.18	/	/	<=30	Pass
		Inner_1RB_Right	22.24	/	/	25.30	/	/	<=30	Pass
CP-OFDM 256 QAM	3500.01	Edge_1RB_Left	19.19	/	/	22.25	/	/	<=30	Pass
		Edge_1RB_Right	19.26	/	/	22.32	/	/	<=30	Pass
		Outer_Full	19.41	/	/	22.47	/	/	<=30	Pass
		Inner_Full	19.53	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Left	19.16	/	/	22.22	/	/	<=30	Pass
		Inner_1RB_Right	19.16	/	/	22.22	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 3.06dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 30k_SISO_20MHz

5G NR n77d SCS=30kHz SISO 20MHz								
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	-13.80	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-2.40	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	7.50	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-12.00	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	7.30	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	2.00	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	17.10	0.0049	>=-2.5 & <=2.5	Pass
			30	NV	11.10	0.0032	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0007	>=-2.5 & <=2.5	Pass
50	NV	4.70	0.0013	>=-2.5 & <=2.5	Pass			

2.1.2 30k_SISO_30MHz

5G NR n77d SCS=30kHz SISO 30MHz								
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	-12.40	-0.0035	>=-2.5 & <=2.5	Pass
				HV	5.10	0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	16.50	0.0047	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	5.60	0.0016	>=-2.5 & <=2.5	Pass
			20	NV	3.40	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	17.20	0.0049	>=-2.5 & <=2.5	Pass
50	NV	6.20	0.0018	>=-2.5 & <=2.5	Pass			

2.1.3 30k_SISO_40MHz

5G NR n77d SCS=30kHz SISO 40MHz								
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	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
				HV	8.70	0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-12.80	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	12.40	0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	11.10	0.0032	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-16.10	-0.0046	>=-2.5 & <=2.5	Pass
50	NV	6.50	0.0019	>=-2.5 & <=2.5	Pass			

2.1.4 30k_SISO_50MHz

5G NR n77d SCS=30kHz SISO 50MHz								
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	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	11.10	0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	4.20	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	6.10	0.0017	>=-2.5 & <=2.5	Pass
			10	NV	7.80	0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-11.20	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
50	NV	6.80	0.0019	>=-2.5 & <=2.5	Pass			

2.1.5 30k_SISO_60MHz

5G NR n77d SCS=30kHz SISO 60MHz								
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	-2.40	-0.0007	>=-2.5 & <=2.5	Pass
				HV	20.10	0.0057	>=-2.5 & <=2.5	Pass
			-30	NV	4.10	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	4.10	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	10.00	0.0029	>=-2.5 & <=2.5	Pass
			10	NV	7.60	0.0022	>=-2.5 & <=2.5	Pass
			20	NV	10.30	0.0029	>=-2.5 & <=2.5	Pass
			30	NV	9.00	0.0026	>=-2.5 & <=2.5	Pass
			40	NV	5.00	0.0014	>=-2.5 & <=2.5	Pass
50	NV	6.20	0.0018	>=-2.5 & <=2.5	Pass			

2.1.6 30k_SISO_70MHz

5G NR n77d SCS=30kHz SISO 70MHz								
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	16.90	0.0048	>=-2.5 & <=2.5	Pass
				HV	10.80	0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	18.30	0.0052	>=-2.5 & <=2.5	Pass
			-20	NV	15.20	0.0043	>=-2.5 & <=2.5	Pass
			-10	NV	-2.70	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	19.90	0.0057	>=-2.5 & <=2.5	Pass
			10	NV	-12.60	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	15.00	0.0043	>=-2.5 & <=2.5	Pass
			30	NV	22.00	0.0063	>=-2.5 & <=2.5	Pass
			40	NV	10.60	0.0030	>=-2.5 & <=2.5	Pass
50	NV	-11.90	-0.0034	>=-2.5 & <=2.5	Pass			

2.1.7 30k_SISO_80MHz

5G NR n77d SCS=30kHz SISO 80MHz								
Modulation	Frequency	RB	Temp.	Volt.	Freq. Error	Freq. vs. rated (ppm)		Verdict

	(MHz)	Allocation	(°C)		(Hz)	Result	Limit	
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	2.80	0.0008	>=-2.5 & <=2.5	Pass
				HV	6.90	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	2.70	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	12.80	0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	8.90	0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	10.50	0.0030	>=-2.5 & <=2.5	Pass
			20	NV	3.90	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	13.00	0.0037	>=-2.5 & <=2.5	Pass
			40	NV	6.00	0.0017	>=-2.5 & <=2.5	Pass
50	NV	16.50	0.0047	>=-2.5 & <=2.5	Pass			

2.1.8 30k_SISO_90MHz

5G NR n77d SCS=30kHz SISO 90MHz								
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	17.50	0.0050	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	14.70	0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	7.10	0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	6.00	0.0017	>=-2.5 & <=2.5	Pass
			0	NV	10.10	0.0029	>=-2.5 & <=2.5	Pass
			10	NV	10.10	0.0029	>=-2.5 & <=2.5	Pass
			20	NV	11.50	0.0033	>=-2.5 & <=2.5	Pass
			30	NV	12.80	0.0037	>=-2.5 & <=2.5	Pass
			40	NV	5.90	0.0017	>=-2.5 & <=2.5	Pass
50	NV	11.80	0.0034	>=-2.5 & <=2.5	Pass			

2.1.9 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	14.80	0.0042	>=-2.5 & <=2.5	Pass
				HV	10.40	0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	6.80	0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	11.20	0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	11.10	0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	13.00	0.0037	>=-2.5 & <=2.5	Pass
			20	NV	5.20	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	11.80	0.0034	>=-2.5 & <=2.5	Pass
50	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass			

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_20MHz_NTNV

5G NR n77d SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3460.02	Outer_Full	18.15	20.03	/	Pass
	3500.01	Outer_Full	18.15	19.86	/	Pass
	3540	Outer_Full	18.13	19.74	/	Pass
DFT-s-OFDM QPSK	3460.02	Outer_Full	18.12	20.04	/	Pass
	3500.01	Outer_Full	18.12	20.19	/	Pass
	3540	Outer_Full	18.08	19.98	/	Pass
DFT-s-OFDM 16 QAM	3460.02	Outer_Full	18.08	19.93	/	Pass
	3500.01	Outer_Full	18.10	19.91	/	Pass
	3540	Outer_Full	18.17	20.00	/	Pass
DFT-s-OFDM 64 QAM	3460.02	Outer_Full	18.10	19.82	/	Pass
	3500.01	Outer_Full	18.12	19.96	/	Pass
	3540	Outer_Full	18.07	20.00	/	Pass
DFT-s-OFDM 256 QAM	3460.02	Outer_Full	18.08	19.94	/	Pass
	3500.01	Outer_Full	18.09	19.94	/	Pass
	3540	Outer_Full	18.08	19.96	/	Pass
CP-OFDM QPSK	3460.02	Outer_Full	18.42	20.42	/	Pass
	3500.01	Outer_Full	18.44	20.38	/	Pass
	3540	Outer_Full	18.44	20.42	/	Pass
CP-OFDM 16 QAM	3460.02	Outer_Full	18.52	20.42	/	Pass
	3500.01	Outer_Full	18.42	20.33	/	Pass
	3540	Outer_Full	18.46	20.39	/	Pass
CP-OFDM 64 QAM	3460.02	Outer_Full	18.45	20.36	/	Pass
	3500.01	Outer_Full	18.47	20.46	/	Pass
	3540	Outer_Full	18.51	20.48	/	Pass
CP-OFDM 256 QAM	3460.02	Outer_Full	18.38	20.32	/	Pass
	3500.01	Outer_Full	18.41	20.50	/	Pass
	3540	Outer_Full	18.39	20.45	/	Pass

3.1.2 30k_SISO_30MHz_NTN

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	3465	Outer_Full	27.15	29.62	/	Pass
	3500.01	Outer_Full	27.11	29.54	/	Pass
	3534.99	Outer_Full	27.17	29.60	/	Pass
DFT-s-OFDM QPSK	3465	Outer_Full	27.13	29.61	/	Pass
	3500.01	Outer_Full	27.20	29.73	/	Pass
	3534.99	Outer_Full	27.16	29.81	/	Pass
DFT-s-OFDM 16 QAM	3465	Outer_Full	27.14	29.60	/	Pass
	3500.01	Outer_Full	27.17	29.54	/	Pass
	3534.99	Outer_Full	27.12	29.49	/	Pass
DFT-s-OFDM 64 QAM	3465	Outer_Full	27.21	29.55	/	Pass
	3500.01	Outer_Full	27.12	29.50	/	Pass
	3534.99	Outer_Full	27.13	29.47	/	Pass
DFT-s-OFDM 256 QAM	3465	Outer_Full	27.16	29.59	/	Pass
	3500.01	Outer_Full	27.09	29.44	/	Pass
	3534.99	Outer_Full	27.16	29.70	/	Pass
CP-OFDM QPSK	3465	Outer_Full	28.12	30.63	/	Pass
	3500.01	Outer_Full	28.14	30.47	/	Pass
	3534.99	Outer_Full	28.13	30.47	/	Pass
CP-OFDM 16 QAM	3465	Outer_Full	28.13	30.38	/	Pass
	3500.01	Outer_Full	28.17	30.58	/	Pass

	3534.99	Outer_Full	28.13	30.63	/	Pass
CP-OFDM 64 QAM	3465	Outer_Full	28.12	30.56	/	Pass
	3500.01	Outer_Full	28.18	30.57	/	Pass
	3534.99	Outer_Full	28.16	30.65	/	Pass
CP-OFDM 256 QAM	3465	Outer_Full	28.15	30.80	/	Pass
	3500.01	Outer_Full	28.14	30.45	/	Pass
	3534.99	Outer_Full	28.15	30.54	/	Pass

3.1.3 30k_SISO_40MHz_NTNV

5G NR n77d SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3470.01	Outer_Full	36.09	38.96	/	Pass
	3500.01	Outer_Full	36.06	38.94	/	Pass
	3529.98	Outer_Full	36.04	39.07	/	Pass
DFT-s-OFDM QPSK	3470.01	Outer_Full	36.15	38.98	/	Pass
	3500.01	Outer_Full	36.15	38.87	/	Pass
	3529.98	Outer_Full	36.13	38.90	/	Pass
DFT-s-OFDM 16 QAM	3470.01	Outer_Full	36.02	38.73	/	Pass
	3500.01	Outer_Full	36.11	38.86	/	Pass
	3529.98	Outer_Full	36.08	39.11	/	Pass
DFT-s-OFDM 64 QAM	3470.01	Outer_Full	36.15	39.09	/	Pass
	3500.01	Outer_Full	36.07	38.76	/	Pass
	3529.98	Outer_Full	36.12	38.91	/	Pass
DFT-s-OFDM 256 QAM	3470.01	Outer_Full	36.11	39.01	/	Pass
	3500.01	Outer_Full	36.00	38.88	/	Pass
	3529.98	Outer_Full	36.15	39.09	/	Pass
CP-OFDM QPSK	3470.01	Outer_Full	38.18	41.27	/	Pass
	3500.01	Outer_Full	38.21	40.88	/	Pass
	3529.98	Outer_Full	38.16	41.09	/	Pass
CP-OFDM 16 QAM	3470.01	Outer_Full	38.14	41.17	/	Pass
	3500.01	Outer_Full	38.12	40.89	/	Pass
	3529.98	Outer_Full	38.22	40.87	/	Pass
CP-OFDM 64 QAM	3470.01	Outer_Full	38.22	41.27	/	Pass
	3500.01	Outer_Full	38.30	41.24	/	Pass
	3529.98	Outer_Full	38.13	41.08	/	Pass
CP-OFDM 256 QAM	3470.01	Outer_Full	38.19	40.99	/	Pass
	3500.01	Outer_Full	38.25	41.22	/	Pass
	3529.98	Outer_Full	38.23	41.33	/	Pass

3.1.4 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	3475.02	Outer_Full	46.35	49.59	/	Pass
	3500.01	Outer_Full	46.34	49.42	/	Pass
	3525	Outer_Full	46.22	49.67	/	Pass
DFT-s-OFDM QPSK	3475.02	Outer_Full	46.11	49.34	/	Pass
	3500.01	Outer_Full	45.99	49.55	/	Pass
	3525	Outer_Full	46.00	49.35	/	Pass
DFT-s-OFDM 16 QAM	3475.02	Outer_Full	46.12	49.37	/	Pass
	3500.01	Outer_Full	46.19	49.55	/	Pass

	3525	Outer_Full	46.17	49.63	/	Pass
DFT-s-OFDM 64 QAM	3475.02	Outer_Full	46.11	49.49	/	Pass
	3500.01	Outer_Full	46.07	49.45	/	Pass
	3525	Outer_Full	46.13	49.47	/	Pass
DFT-s-OFDM 256 QAM	3475.02	Outer_Full	46.49	49.18	/	Pass
	3500.01	Outer_Full	46.15	49.35	/	Pass
	3525	Outer_Full	46.14	49.41	/	Pass
CP-OFDM QPSK	3475.02	Outer_Full	47.93	51.45	/	Pass
	3500.01	Outer_Full	47.89	51.24	/	Pass
	3525	Outer_Full	47.90	51.28	/	Pass
CP-OFDM 16 QAM	3475.02	Outer_Full	47.91	51.35	/	Pass
	3500.01	Outer_Full	47.92	51.34	/	Pass
	3525	Outer_Full	47.93	51.39	/	Pass
CP-OFDM 64 QAM	3475.02	Outer_Full	47.88	51.29	/	Pass
	3500.01	Outer_Full	47.92	51.33	/	Pass
	3525	Outer_Full	47.89	51.19	/	Pass
CP-OFDM 256 QAM	3475.02	Outer_Full	47.88	51.23	/	Pass
	3500.01	Outer_Full	47.93	51.31	/	Pass
	3525	Outer_Full	47.94	51.36	/	Pass

3.1.5 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	3480	Outer_Full	58.47	62.16	/	Pass
	3500.01	Outer_Full	58.54	62.39	/	Pass
	3519.99	Outer_Full	58.34	62.21	/	Pass
DFT-s-OFDM QPSK	3480	Outer_Full	58.38	62.37	/	Pass
	3500.01	Outer_Full	58.46	62.40	/	Pass
	3519.99	Outer_Full	58.37	62.38	/	Pass
DFT-s-OFDM 16 QAM	3480	Outer_Full	58.42	62.25	/	Pass
	3500.01	Outer_Full	58.48	62.34	/	Pass
	3519.99	Outer_Full	58.49	62.41	/	Pass
DFT-s-OFDM 64 QAM	3480	Outer_Full	58.26	62.32	/	Pass
	3500.01	Outer_Full	58.33	62.36	/	Pass
	3519.99	Outer_Full	58.34	62.32	/	Pass
DFT-s-OFDM 256 QAM	3480	Outer_Full	58.30	62.16	/	Pass
	3500.01	Outer_Full	58.31	62.20	/	Pass
	3519.99	Outer_Full	58.30	62.20	/	Pass
CP-OFDM QPSK	3480	Outer_Full	58.23	62.28	/	Pass
	3500.01	Outer_Full	58.28	62.42	/	Pass
	3519.99	Outer_Full	58.22	62.43	/	Pass
CP-OFDM 16 QAM	3480	Outer_Full	58.30	62.39	/	Pass
	3500.01	Outer_Full	58.36	62.29	/	Pass
	3519.99	Outer_Full	58.33	62.52	/	Pass
CP-OFDM 64 QAM	3480	Outer_Full	58.40	62.30	/	Pass
	3500.01	Outer_Full	58.32	62.48	/	Pass
	3519.99	Outer_Full	58.41	62.45	/	Pass
CP-OFDM 256 QAM	3480	Outer_Full	58.20	62.19	/	Pass
	3500.01	Outer_Full	58.21	62.24	/	Pass
	3519.99	Outer_Full	58.23	62.53	/	Pass

3.1.6 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	3485.01	Outer_Full	64.93	69.44	/	Pass
	3500.01	Outer_Full	64.85	69.41	/	Pass
	3514.98	Outer_Full	64.95	69.25	/	Pass
DFT-s-OFDM QPSK	3485.01	Outer_Full	65.06	69.66	/	Pass
	3500.01	Outer_Full	65.09	69.70	/	Pass
	3514.98	Outer_Full	65.01	69.13	/	Pass
DFT-s-OFDM 16 QAM	3485.01	Outer_Full	65.13	69.72	/	Pass
	3500.01	Outer_Full	65.11	69.61	/	Pass
	3514.98	Outer_Full	64.78	69.40	/	Pass
DFT-s-OFDM 64 QAM	3485.01	Outer_Full	65.16	70.00	/	Pass
	3500.01	Outer_Full	65.13	69.79	/	Pass
	3514.98	Outer_Full	64.71	69.23	/	Pass
DFT-s-OFDM 256 QAM	3485.01	Outer_Full	64.74	69.73	/	Pass
	3500.01	Outer_Full	64.81	69.64	/	Pass
	3514.98	Outer_Full	64.75	69.19	/	Pass
CP-OFDM QPSK	3485.01	Outer_Full	68.19	72.87	/	Pass
	3500.01	Outer_Full	68.09	72.89	/	Pass
	3514.98	Outer_Full	67.97	72.81	/	Pass
CP-OFDM 16 QAM	3485.01	Outer_Full	68.17	72.95	/	Pass
	3500.01	Outer_Full	68.33	73.01	/	Pass
	3514.98	Outer_Full	68.11	72.60	/	Pass
CP-OFDM 64 QAM	3485.01	Outer_Full	68.03	72.83	/	Pass
	3500.01	Outer_Full	68.31	72.61	/	Pass
	3514.98	Outer_Full	68.01	72.89	/	Pass
CP-OFDM 256 QAM	3485.01	Outer_Full	67.87	72.93	/	Pass
	3500.01	Outer_Full	68.04	72.79	/	Pass
	3514.98	Outer_Full	68.14	72.86	/	Pass

3.1.7 30k_SISO_80MHz_NTN

5G NR n77d SCS=30kHz SISO 80MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3490.02	Outer_Full	77.72	82.79	/	Pass
	3500.01	Outer_Full	78.14	82.63	/	Pass
	3510	Outer_Full	77.55	82.61	/	Pass
DFT-s-OFDM QPSK	3490.02	Outer_Full	77.84	82.88	/	Pass
	3500.01	Outer_Full	77.50	82.20	/	Pass
	3510	Outer_Full	77.77	82.81	/	Pass
DFT-s-OFDM 16 QAM	3490.02	Outer_Full	77.89	83.00	/	Pass
	3500.01	Outer_Full	77.79	82.76	/	Pass
	3510	Outer_Full	77.94	82.78	/	Pass
DFT-s-OFDM 64 QAM	3490.02	Outer_Full	77.82	82.96	/	Pass
	3500.01	Outer_Full	77.30	82.75	/	Pass
	3510	Outer_Full	77.47	82.57	/	Pass
DFT-s-OFDM 256 QAM	3490.02	Outer_Full	77.70	83.03	/	Pass
	3500.01	Outer_Full	77.10	82.47	/	Pass
	3510	Outer_Full	77.56	82.81	/	Pass
CP-OFDM QPSK	3490.02	Outer_Full	78.10	83.31	/	Pass
	3500.01	Outer_Full	78.01	82.93	/	Pass
	3510	Outer_Full	77.83	83.15	/	Pass
CP-OFDM 16 QAM	3490.02	Outer_Full	78.12	83.66	/	Pass
	3500.01	Outer_Full	77.95	83.24	/	Pass

	3510	Outer_Full	78.29	82.88	/	Pass
CP-OFDM 64 QAM	3490.02	Outer_Full	78.19	83.56	/	Pass
	3500.01	Outer_Full	77.82	83.11	/	Pass
	3510	Outer_Full	78.27	83.27	/	Pass
CP-OFDM 256 QAM	3490.02	Outer_Full	77.97	83.42	/	Pass
	3500.01	Outer_Full	77.74	82.97	/	Pass
	3510	Outer_Full	78.00	83.01	/	Pass

3.1.8 30k_SISO_90MHz_NTNV

5G NR n77d SCS=30kHz SISO 90MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3495	Outer_Full	87.31	93.05	/	Pass
	3500.01	Outer_Full	87.35	92.97	/	Pass
	3504.99	Outer_Full	87.02	93.15	/	Pass
DFT-s-OFDM QPSK	3495	Outer_Full	87.36	92.98	/	Pass
	3500.01	Outer_Full	87.35	93.02	/	Pass
	3504.99	Outer_Full	87.43	93.28	/	Pass
DFT-s-OFDM 16 QAM	3495	Outer_Full	87.59	92.75	/	Pass
	3500.01	Outer_Full	87.21	92.84	/	Pass
	3504.99	Outer_Full	87.57	92.93	/	Pass
DFT-s-OFDM 64 QAM	3495	Outer_Full	87.70	92.56	/	Pass
	3500.01	Outer_Full	87.31	92.98	/	Pass
	3504.99	Outer_Full	87.22	93.19	/	Pass
DFT-s-OFDM 256 QAM	3495	Outer_Full	87.43	92.81	/	Pass
	3500.01	Outer_Full	87.13	92.80	/	Pass
	3504.99	Outer_Full	87.50	93.13	/	Pass
CP-OFDM QPSK	3495	Outer_Full	88.22	93.72	/	Pass
	3500.01	Outer_Full	88.02	93.90	/	Pass
	3504.99	Outer_Full	88.23	94.02	/	Pass
CP-OFDM 16 QAM	3495	Outer_Full	88.23	93.77	/	Pass
	3500.01	Outer_Full	87.60	93.79	/	Pass
	3504.99	Outer_Full	87.83	93.75	/	Pass
CP-OFDM 64 QAM	3495	Outer_Full	87.90	93.92	/	Pass
	3500.01	Outer_Full	87.79	93.76	/	Pass
	3504.99	Outer_Full	88.28	93.68	/	Pass
CP-OFDM 256 QAM	3495	Outer_Full	88.34	93.60	/	Pass
	3500.01	Outer_Full	88.00	93.92	/	Pass
	3504.99	Outer_Full	88.07	93.82	/	Pass

3.1.9 30k_SISO_100MHz_NTNV

5G NR n77d SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	97.25	103.67	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	97.30	103.02	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	97.06	103.38	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	97.17	103.64	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	96.88	103.57	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	98.41	104.53	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	98.59	104.76	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	98.14	104.64	/	Pass

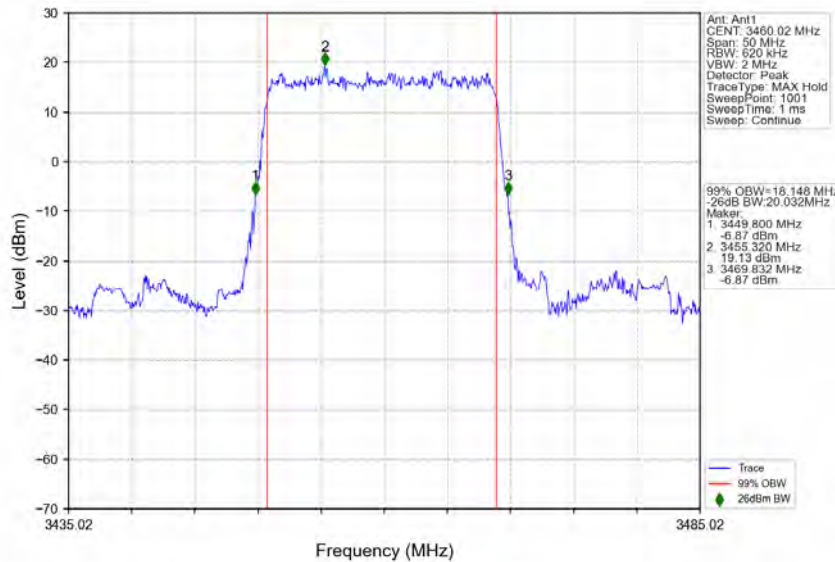


CP-OFDM 256 QAM	3500.01	Outer_Full	98.13	104.35	/	Pass
-----------------	---------	------------	-------	--------	---	------

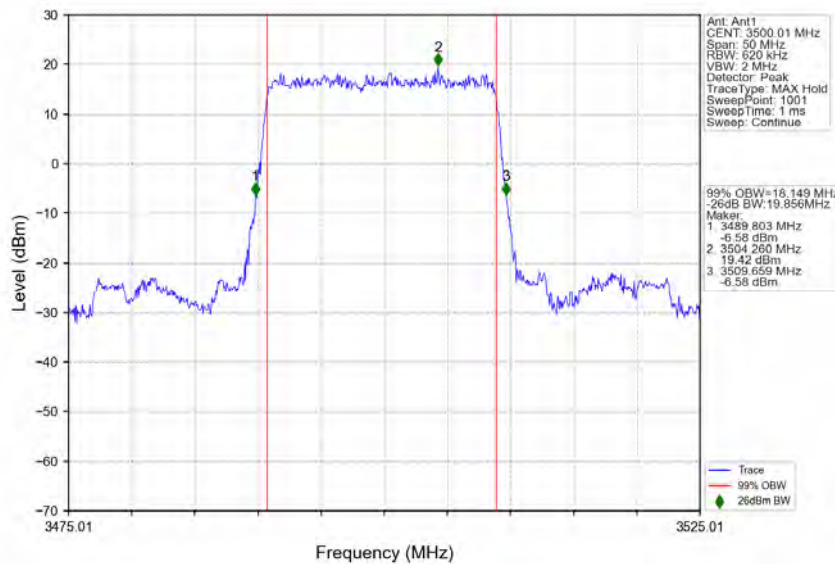
3.2 Test Graph

3.2.1 30k_SISO_20MHz_NTNV

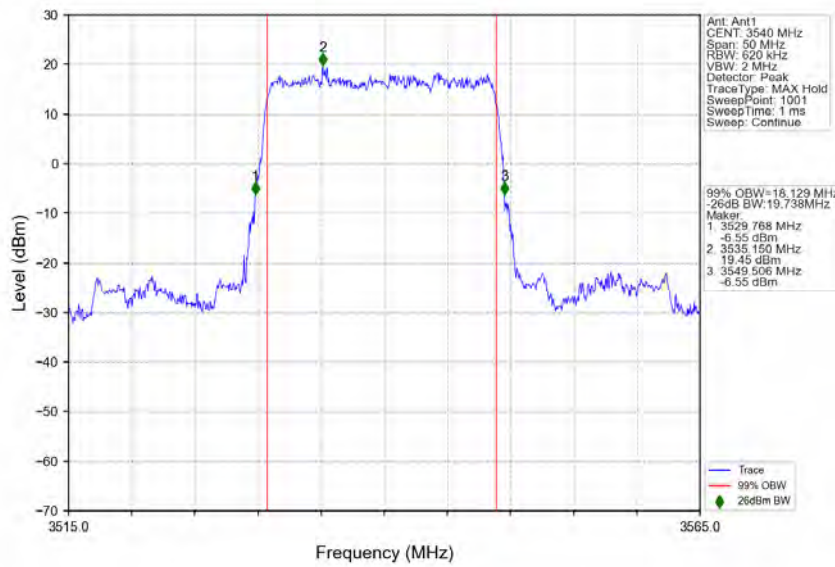
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Outer_Full



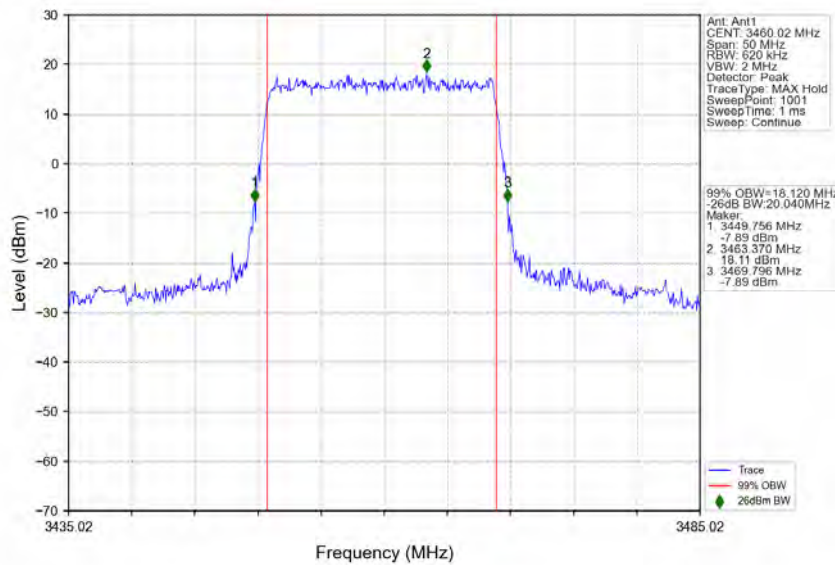
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



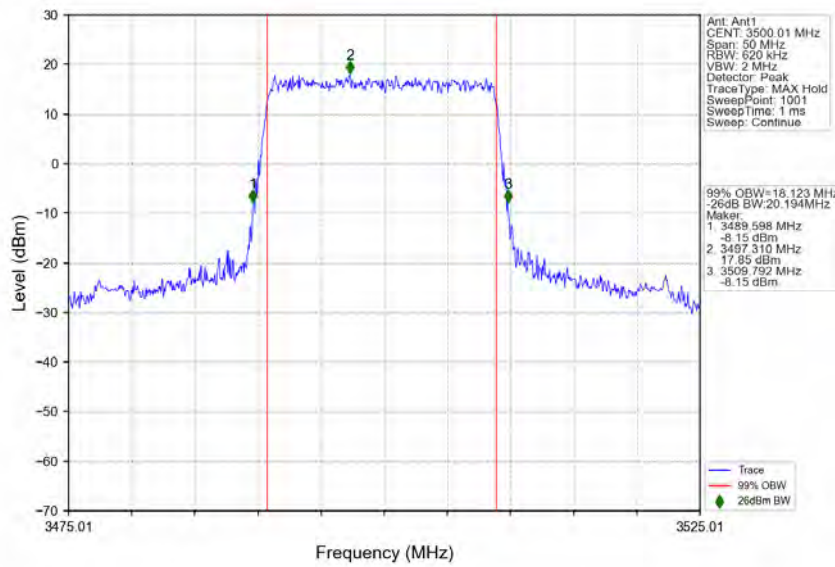
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3540MHz_Outer_Full



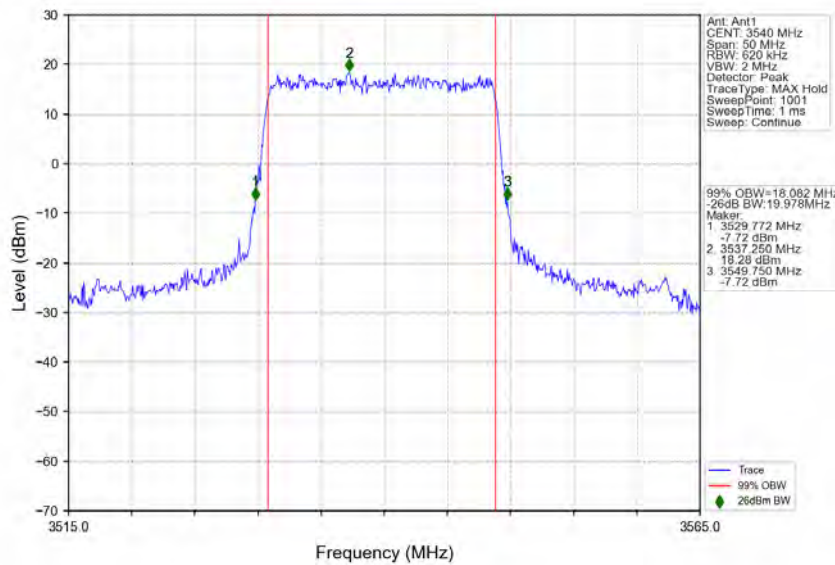
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3460.02MHz_Outer_Full



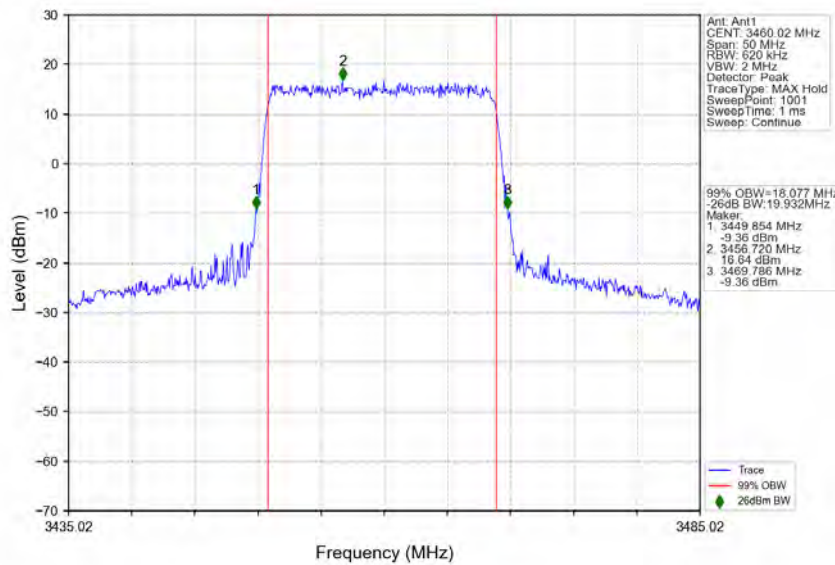
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full



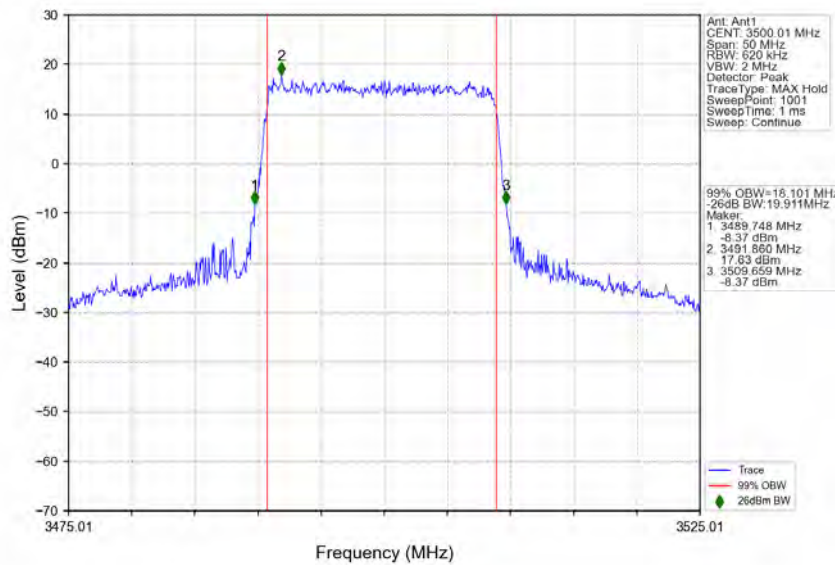
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Outer_Full



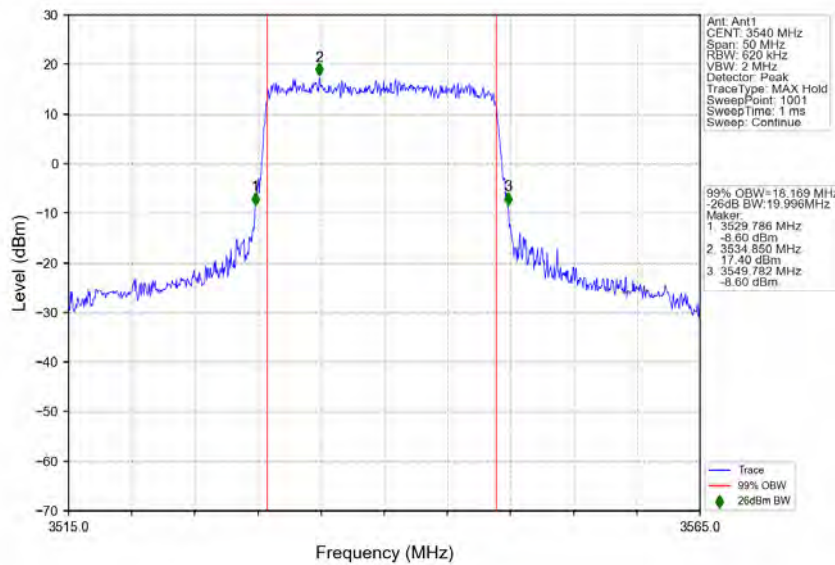
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16 QAM_3460.02MHz_Outer_Full



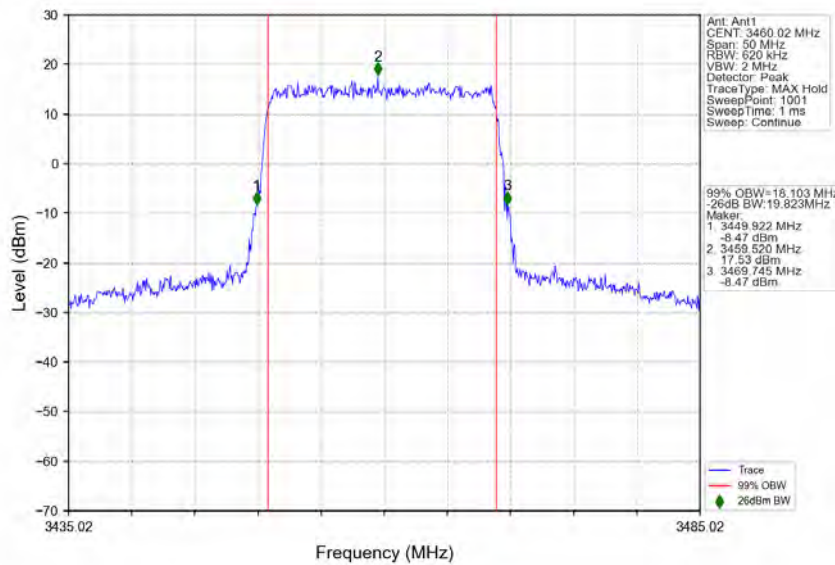
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16 QAM_3500.01MHz_Outer_Full



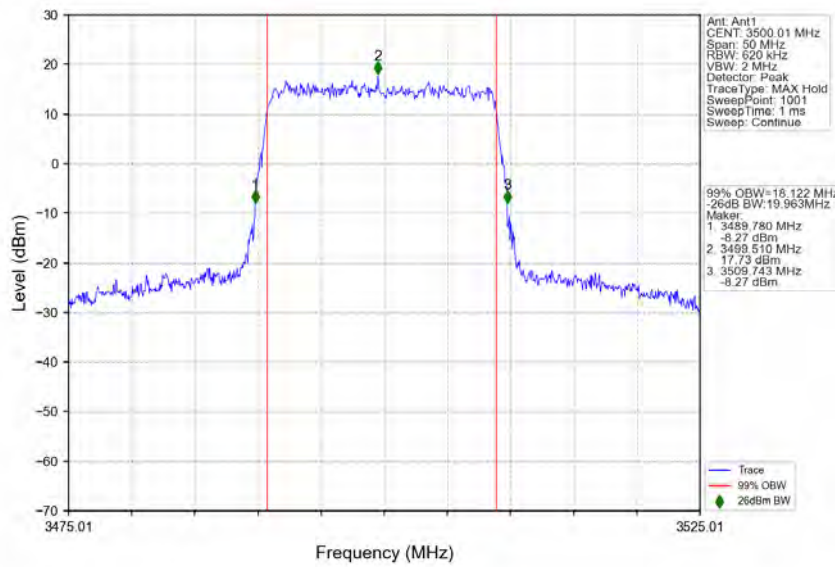
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3540MHz_Outer_Full



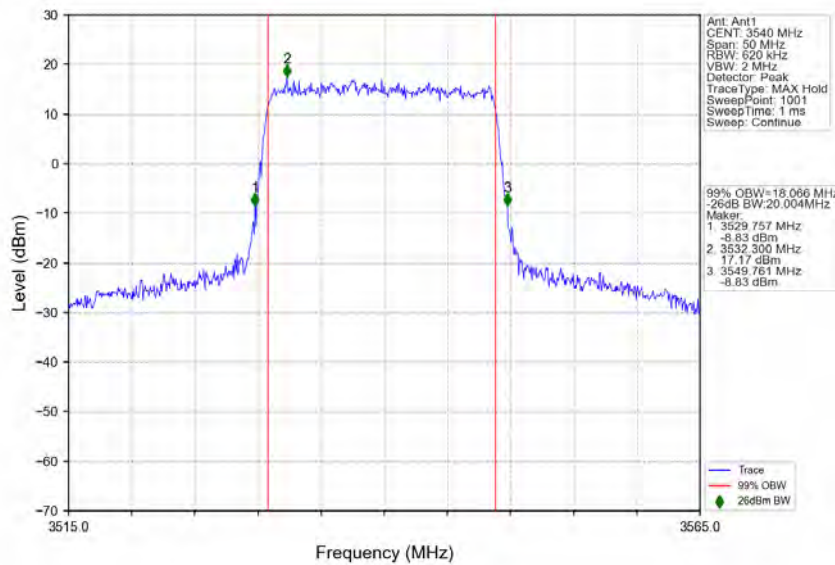
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3460.02MHz_Outer_Full



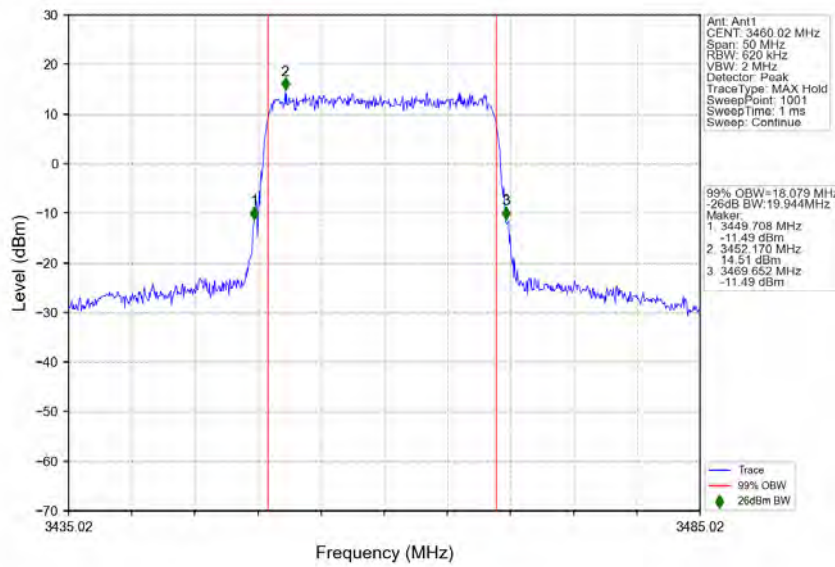
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3500.01MHz_Outer_Full



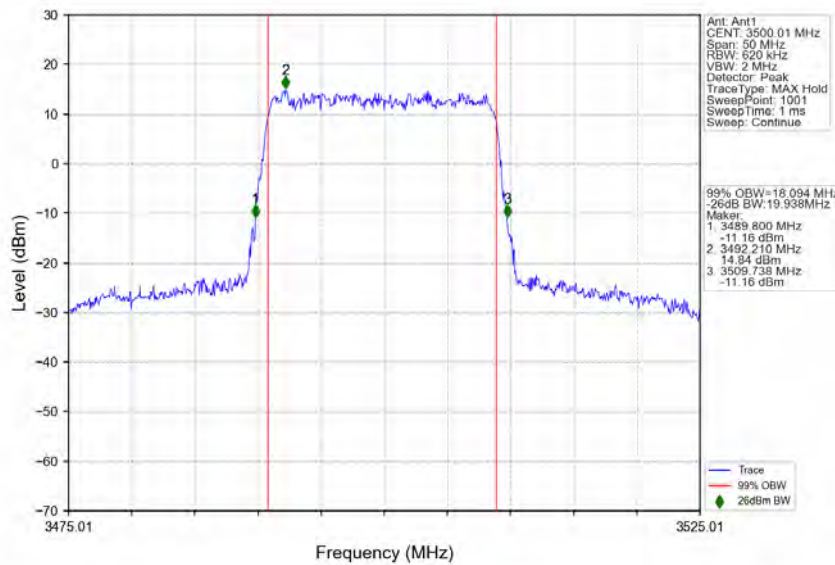
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3540MHz_Outer_Full



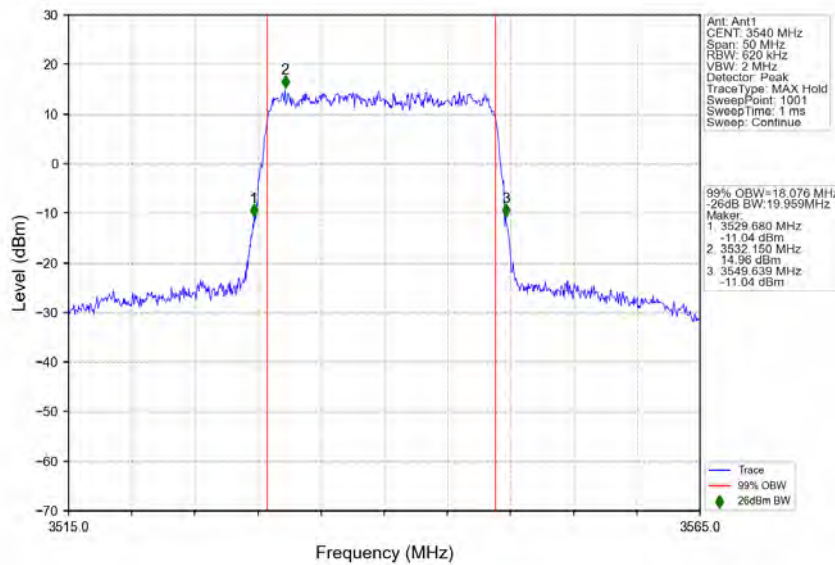
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3460.02MHz_Outer_Full



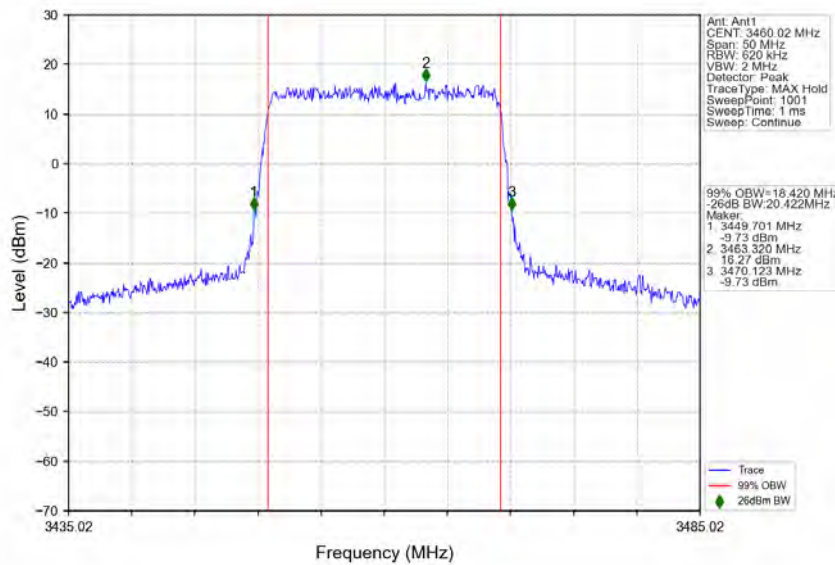
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full



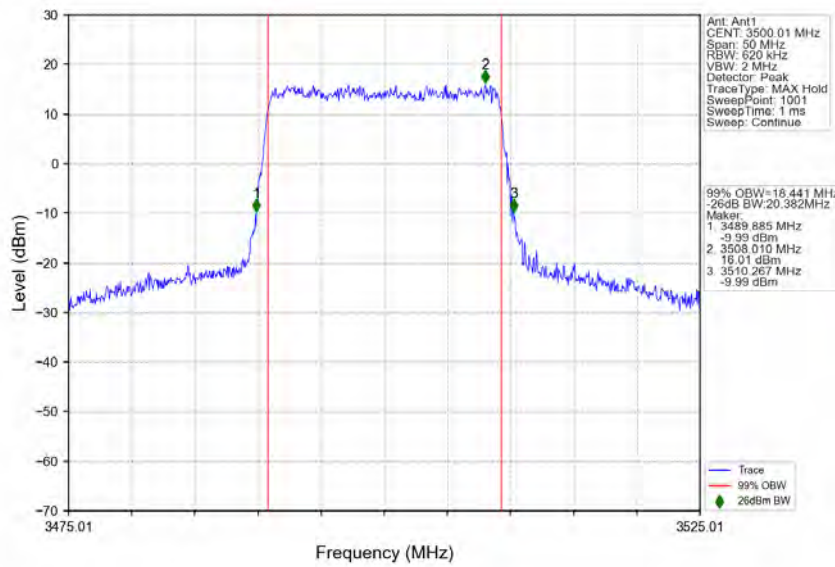
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_3540MHz_Outer_Full



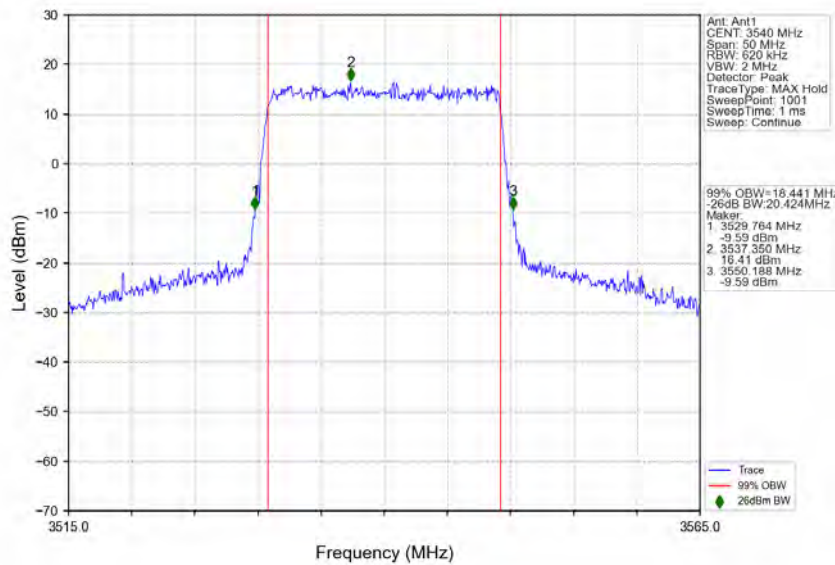
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3460.02MHz_Outer_Full



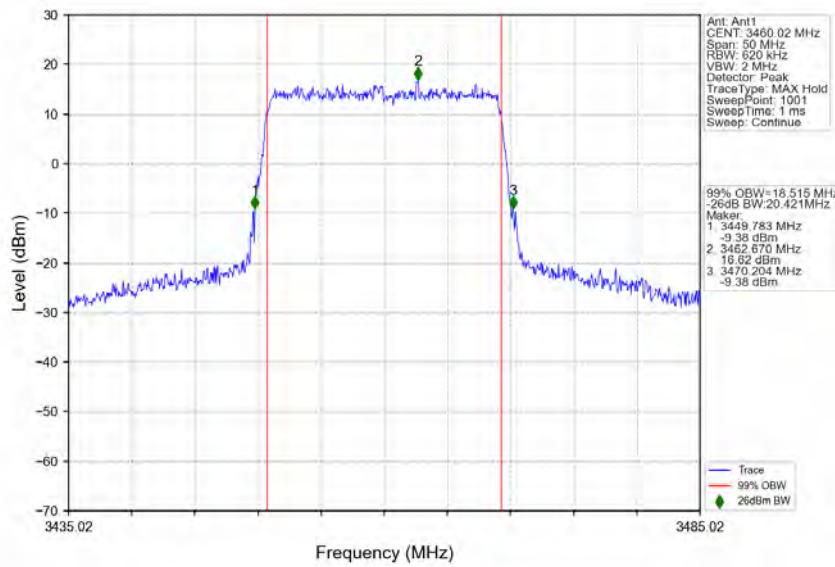
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3500.01MHz_Outer_Full



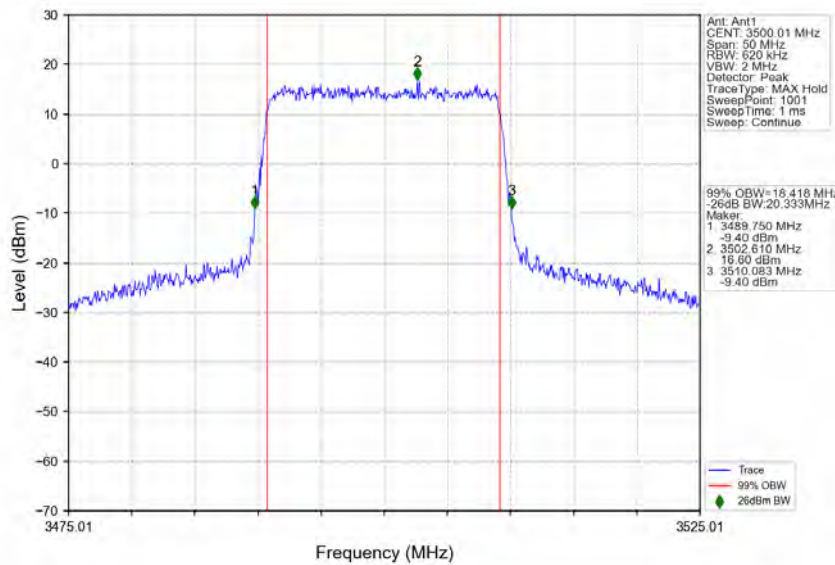
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3540MHz_Outer_Full



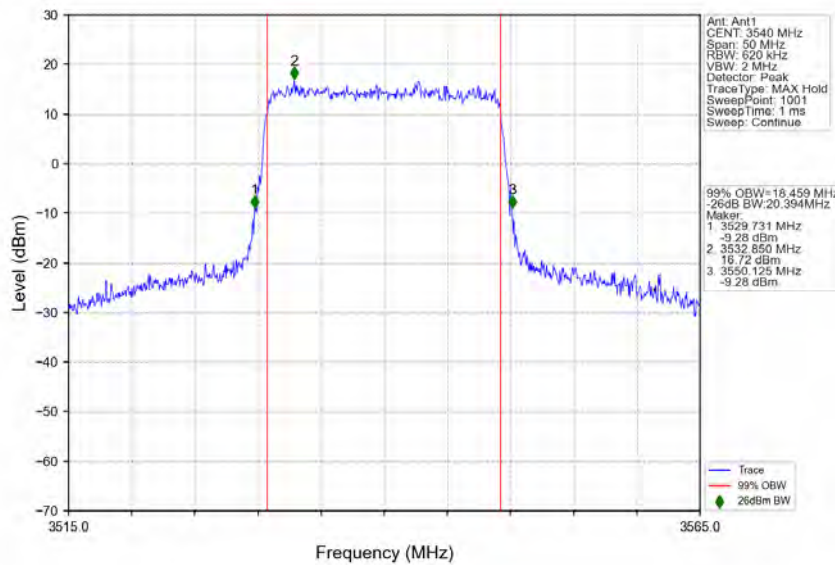
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3460.02MHz_Outer_Full



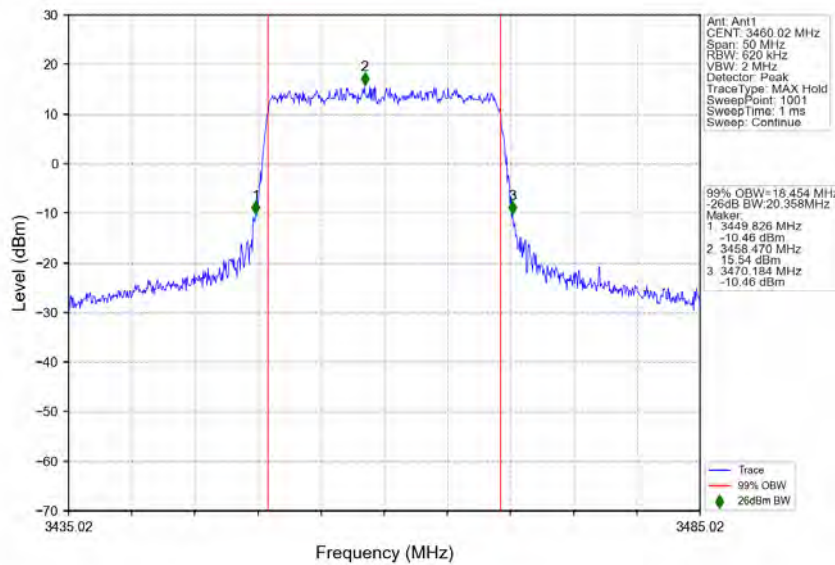
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3500.01MHz_Outer_Full



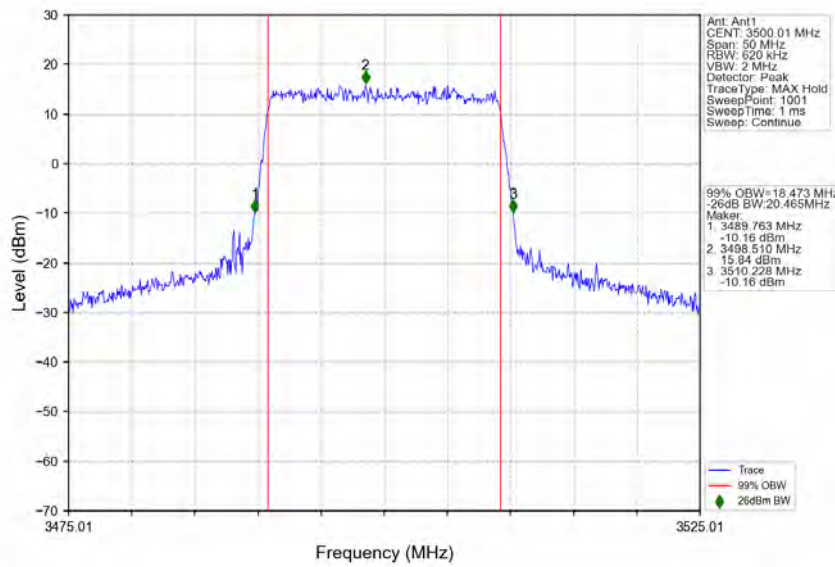
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3540MHz_Outer_Full



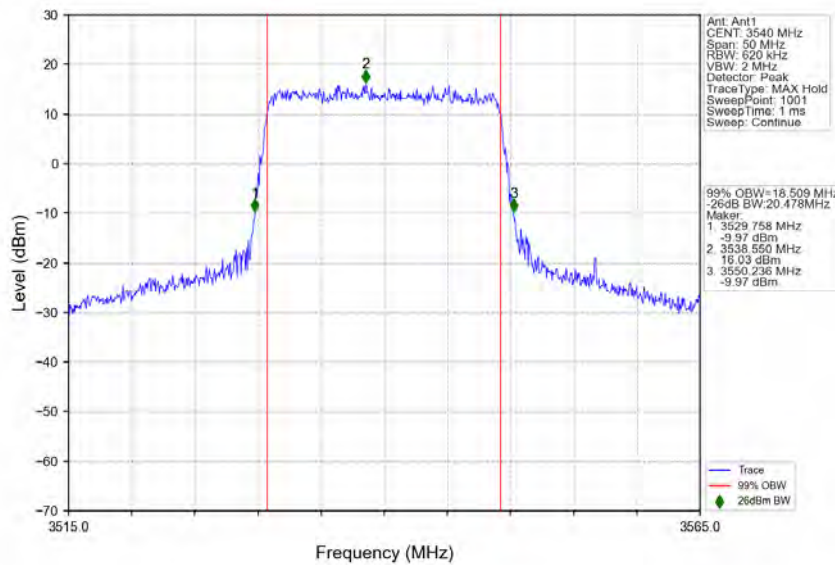
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3460.02MHz_Outer_Full



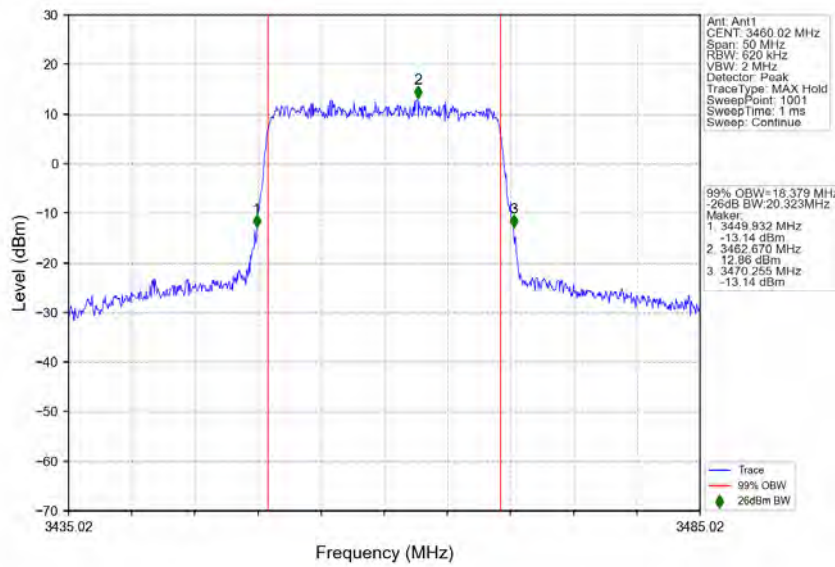
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full



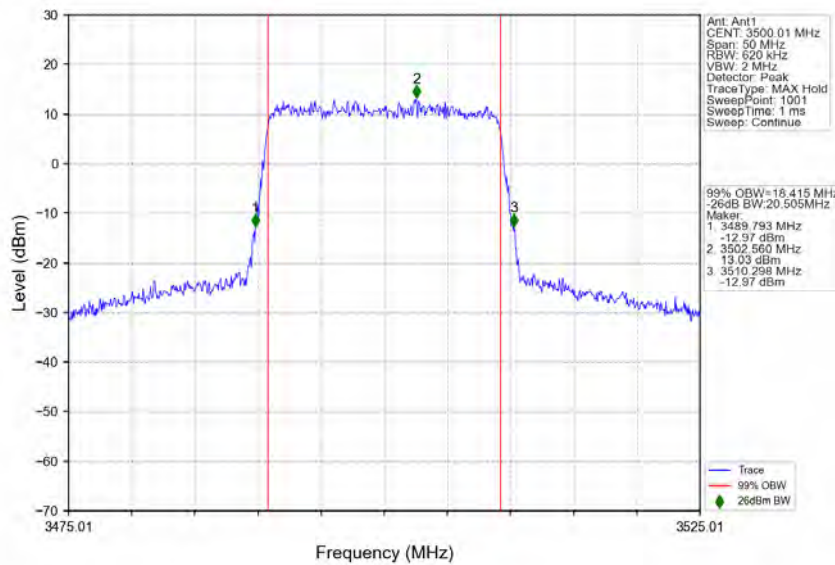
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3540MHz_Outer_Full



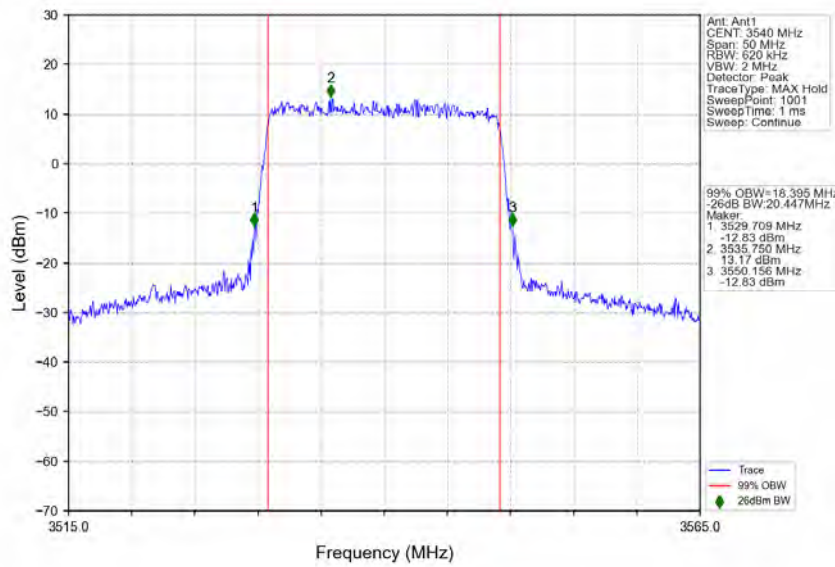
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3460.02MHz_Outer_Full



n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3500.01MHz_Outer_Full

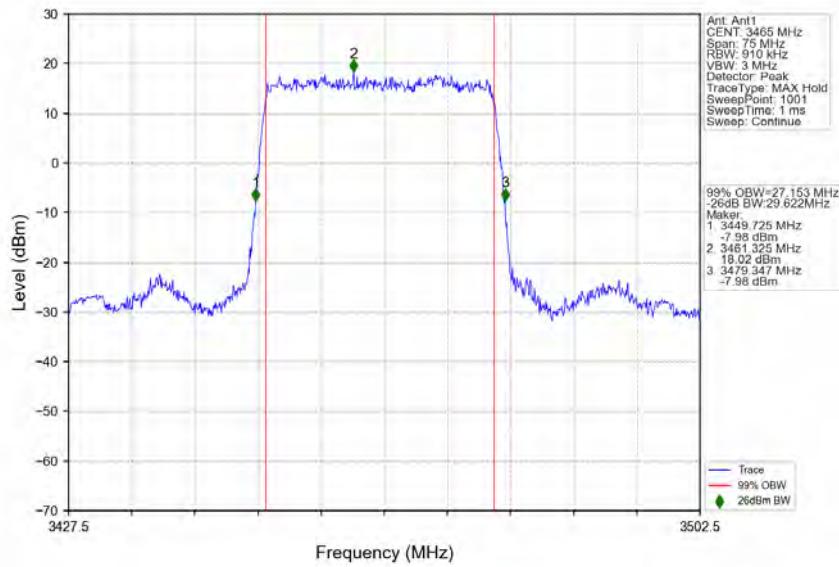


n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_256 QAM_3540MHz_Outer_Full

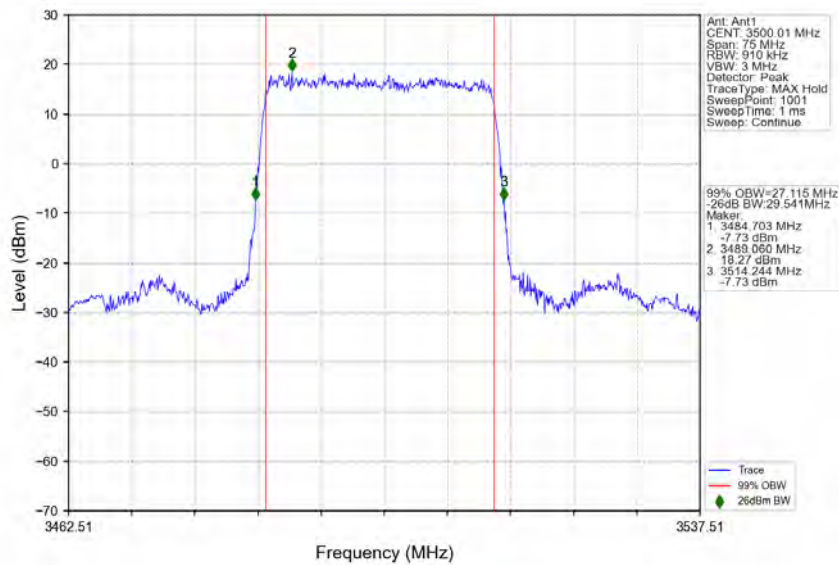


3.2.2 30k_SISO_30MHz_NTNV

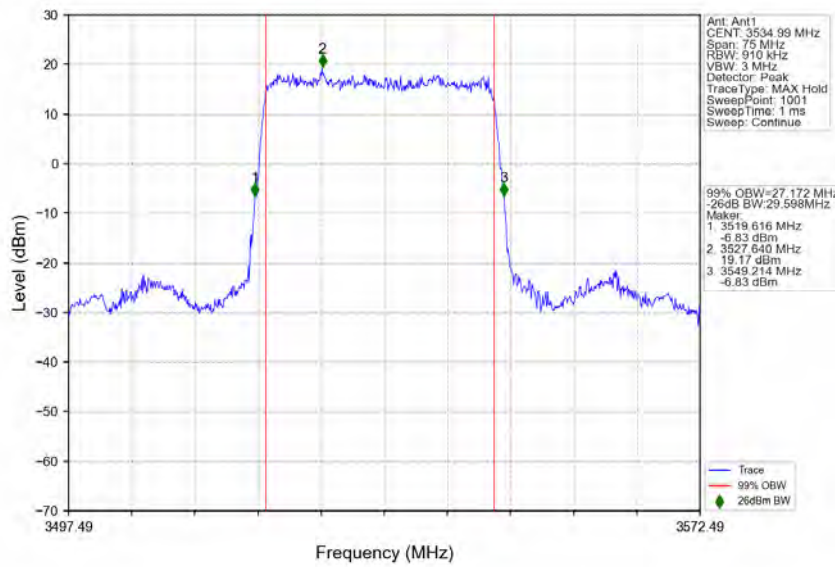
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Outer_Full



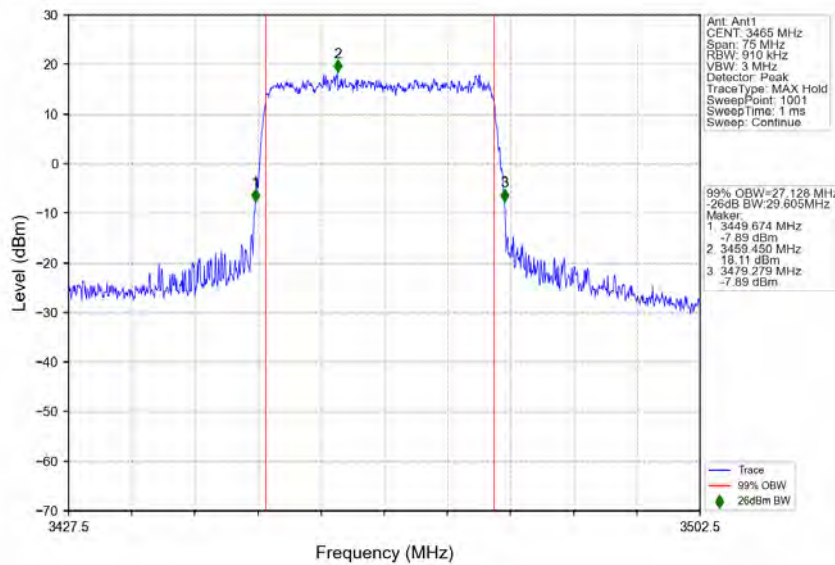
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



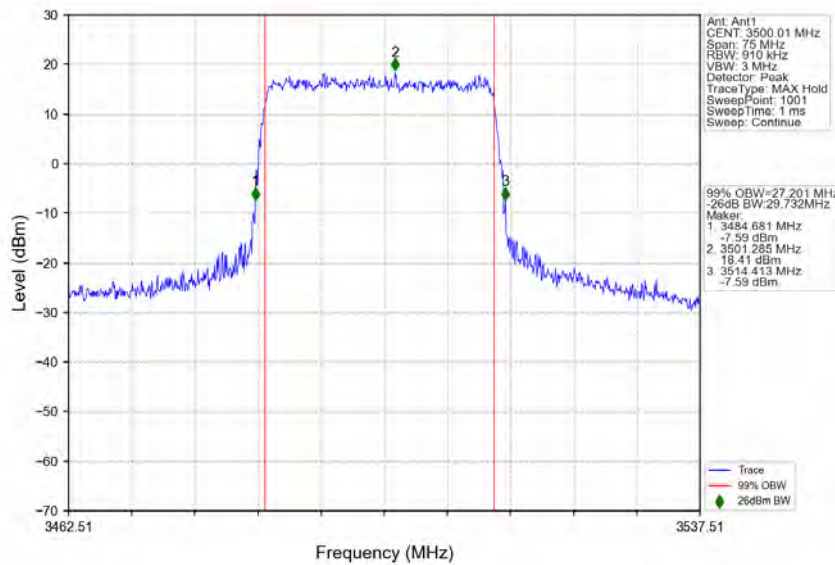
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Outer_Full



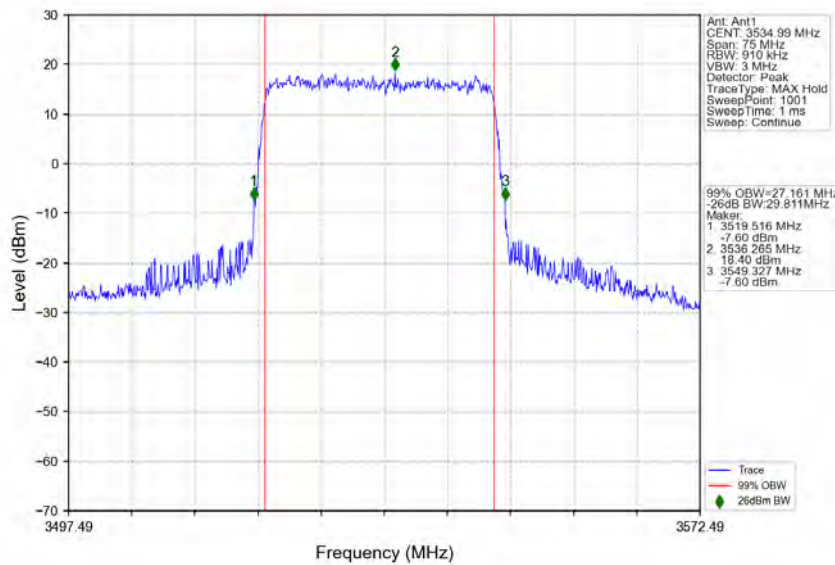
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3465MHz_Outer_Full



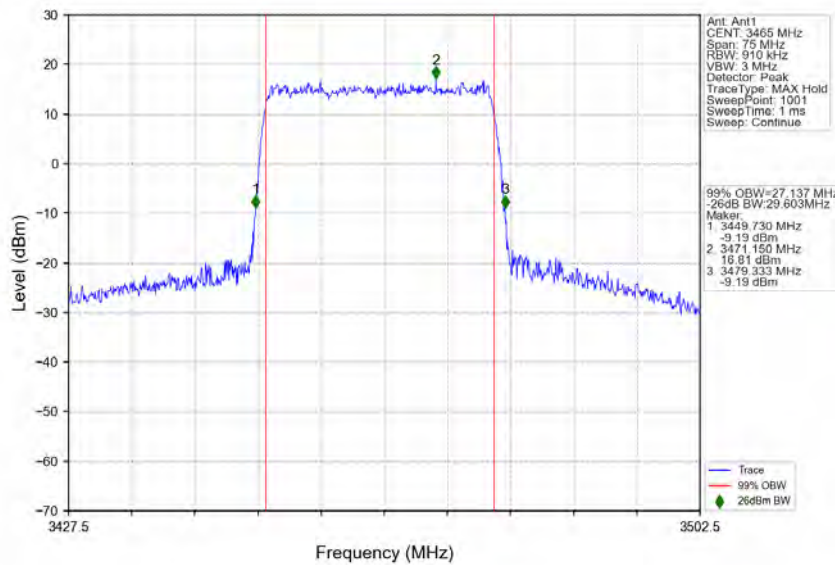
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3500.01MHz_Outer_Full



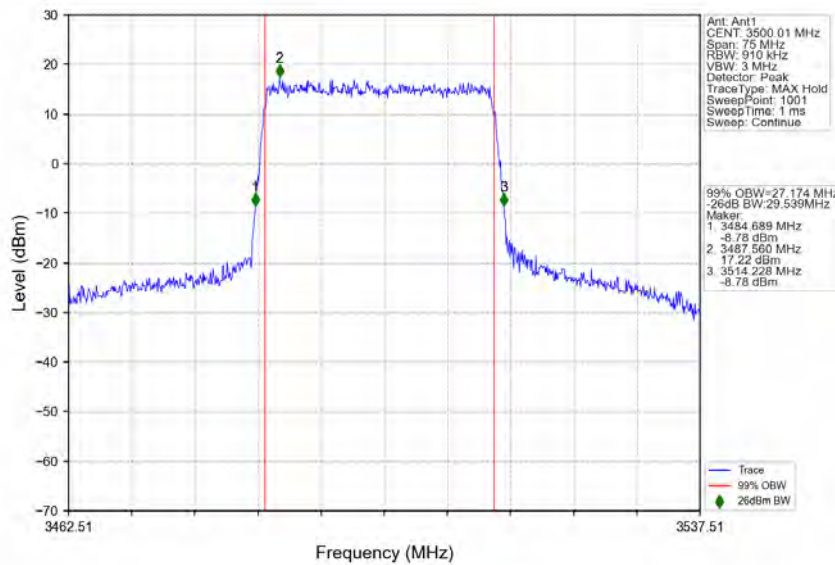
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Outer_Full



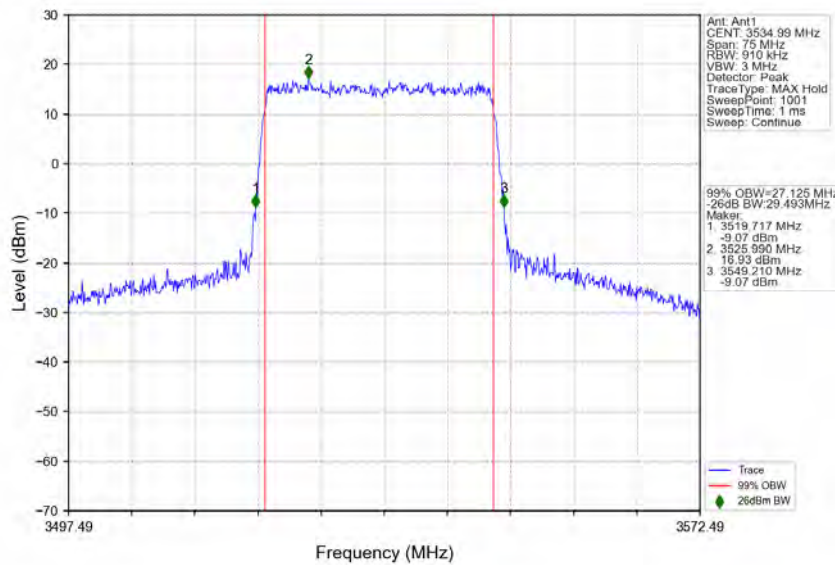
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3465MHz_Outer_Full



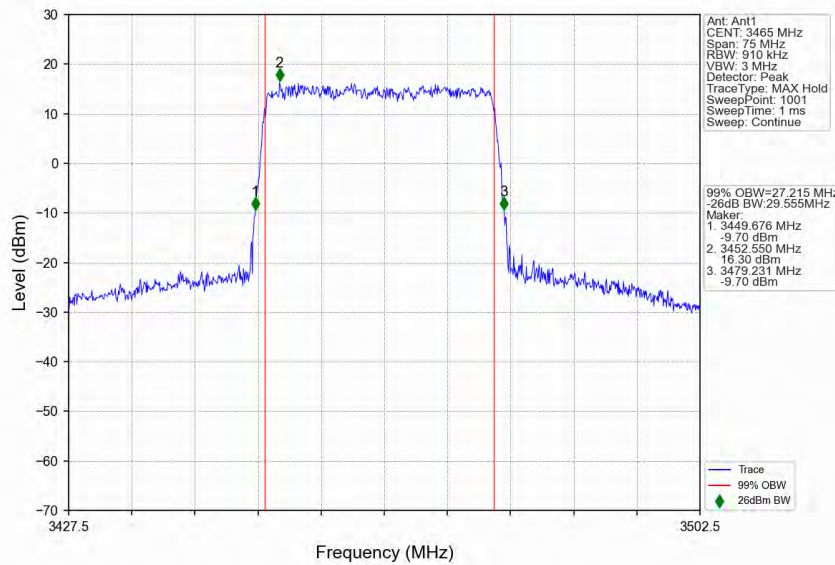
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3500.01MHz_Outer_Full



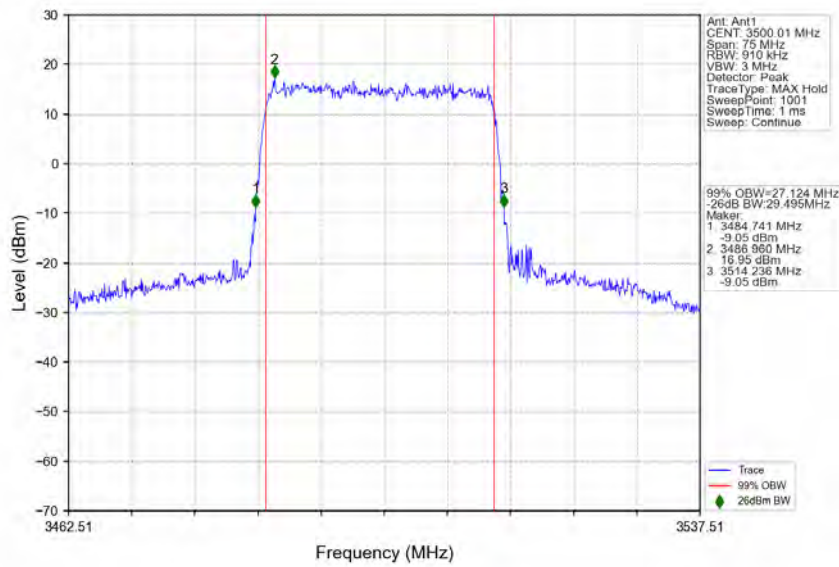
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3534.99MHz_Outer_Full



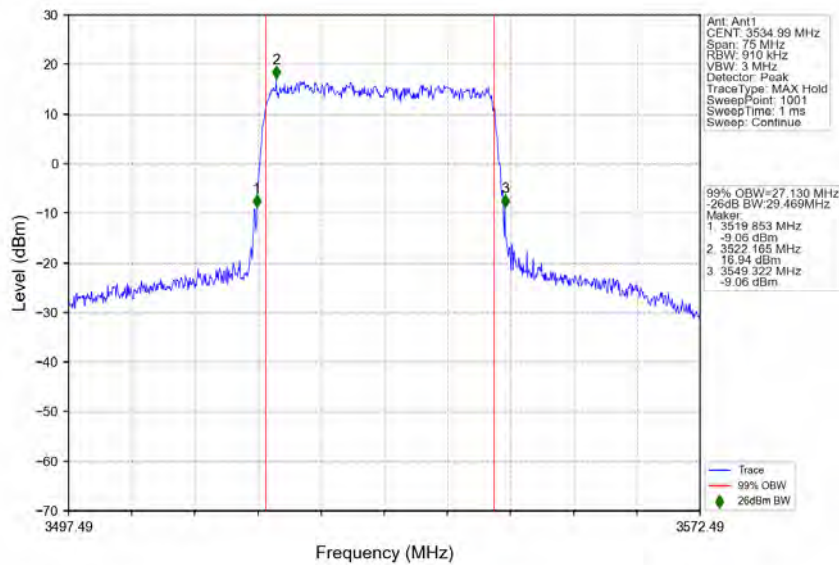
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3465MHz_Outer_Full



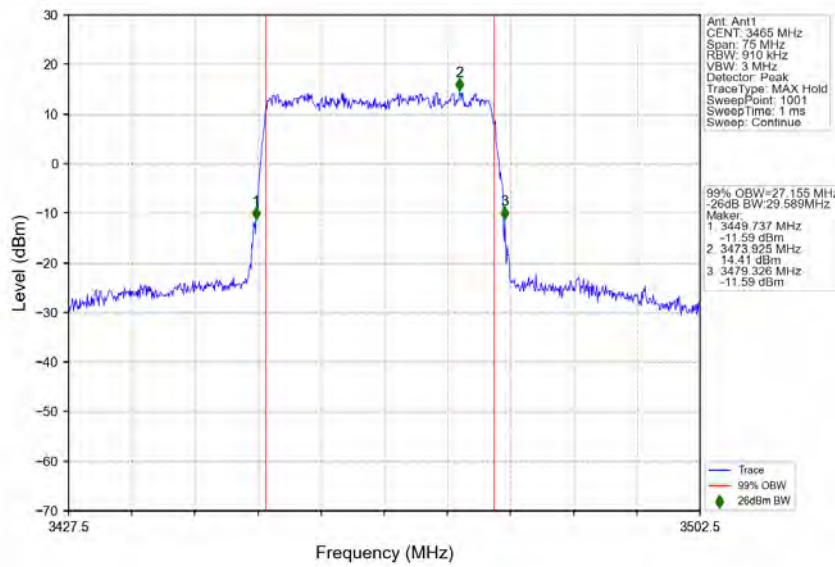
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3500.01MHz_Outer_Full



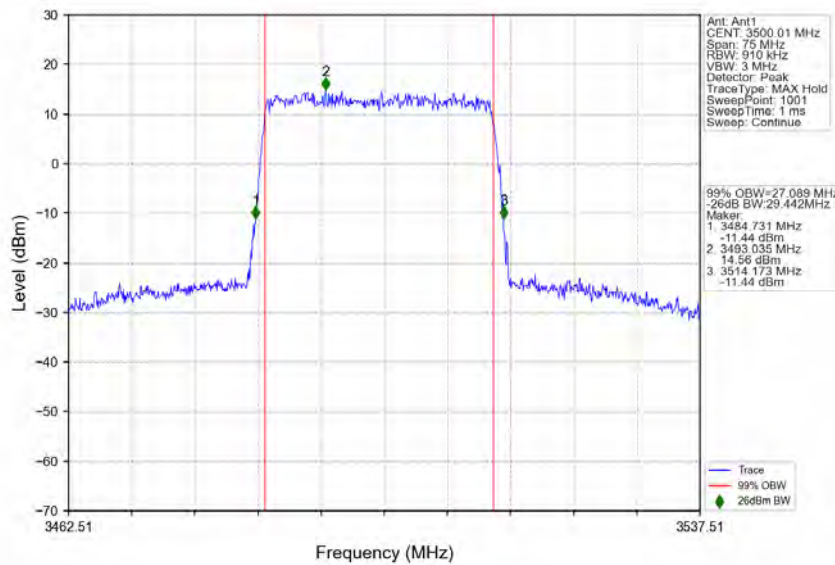
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3534.99MHz_Outer_Full



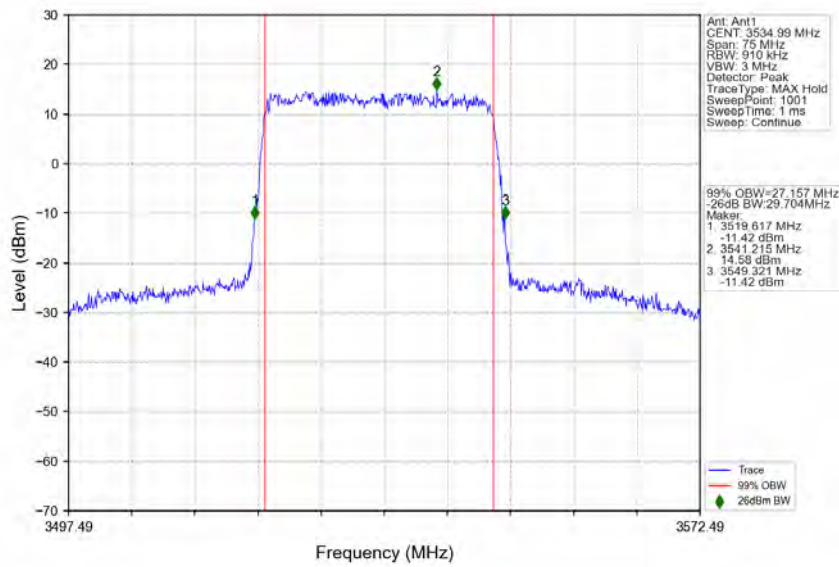
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_3465MHz_Outer_Full



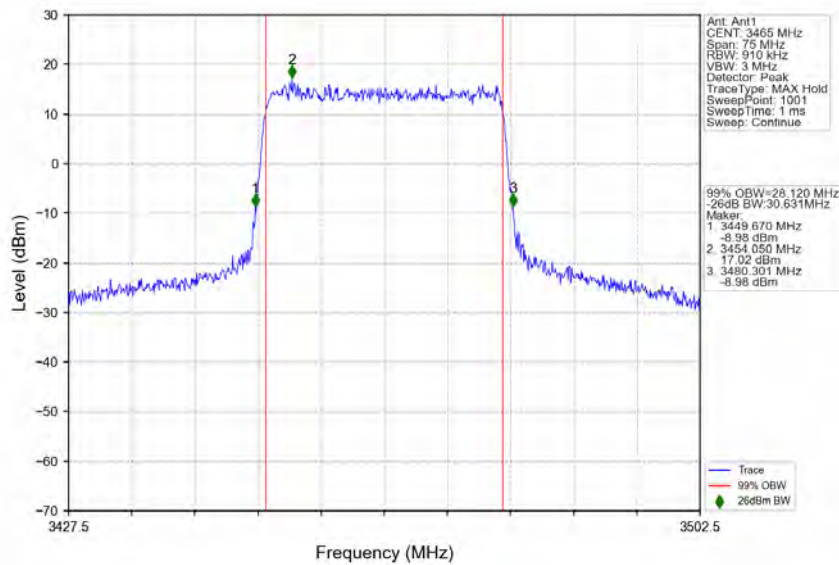
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_3500.01MHz_Outer_Full



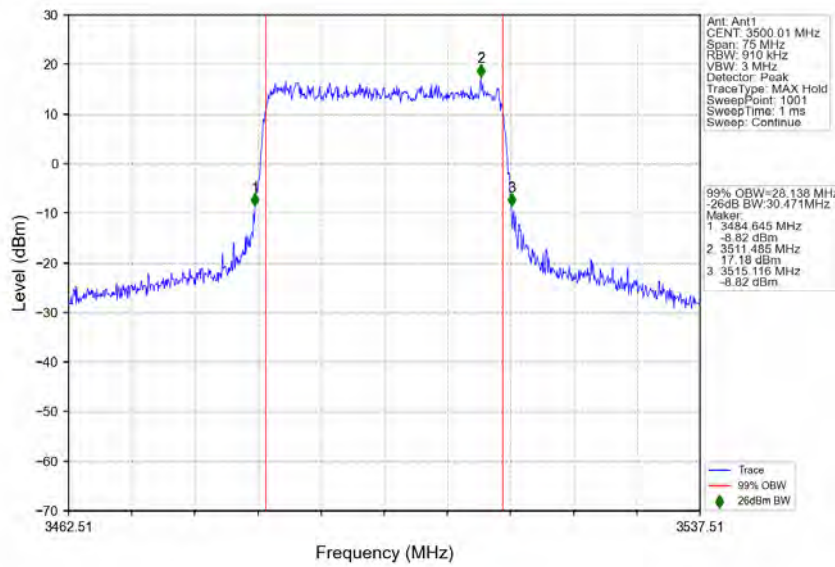
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_3534.99MHz_Outer_Full



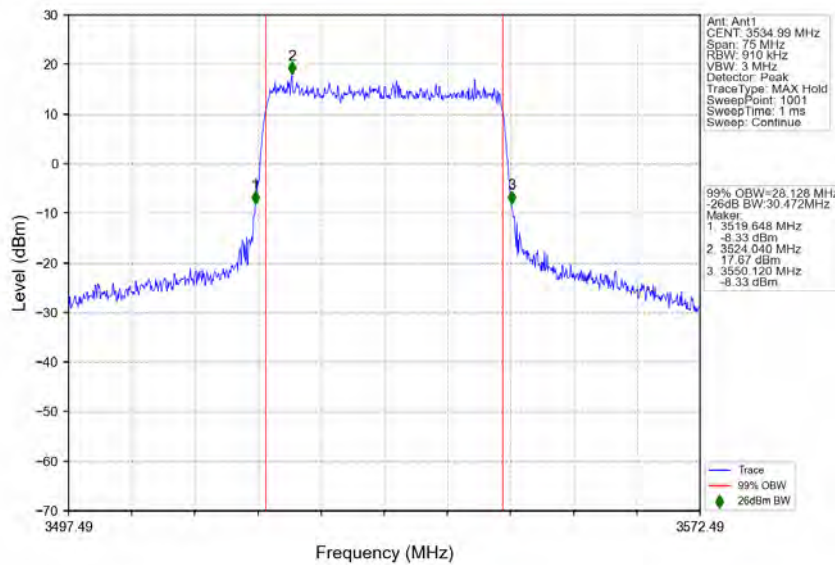
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3465MHz_Outer_Full



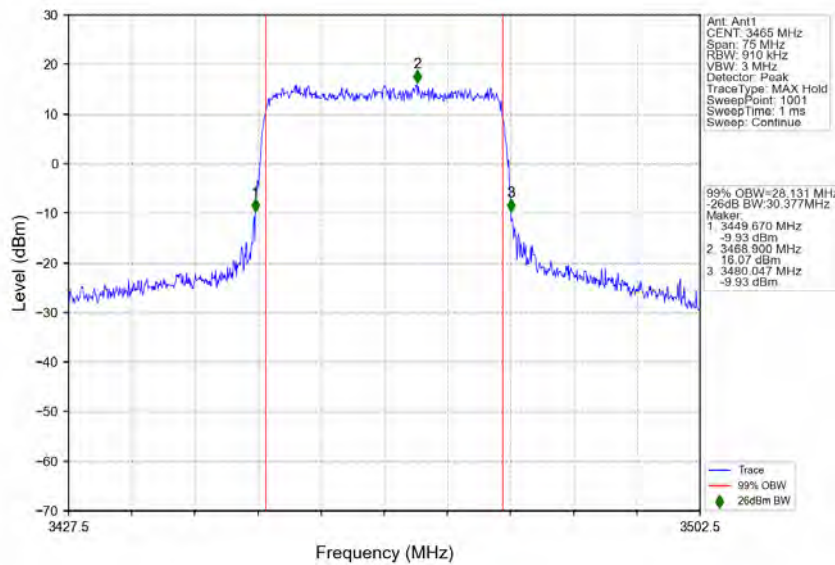
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3500.01MHz_Outer_Full



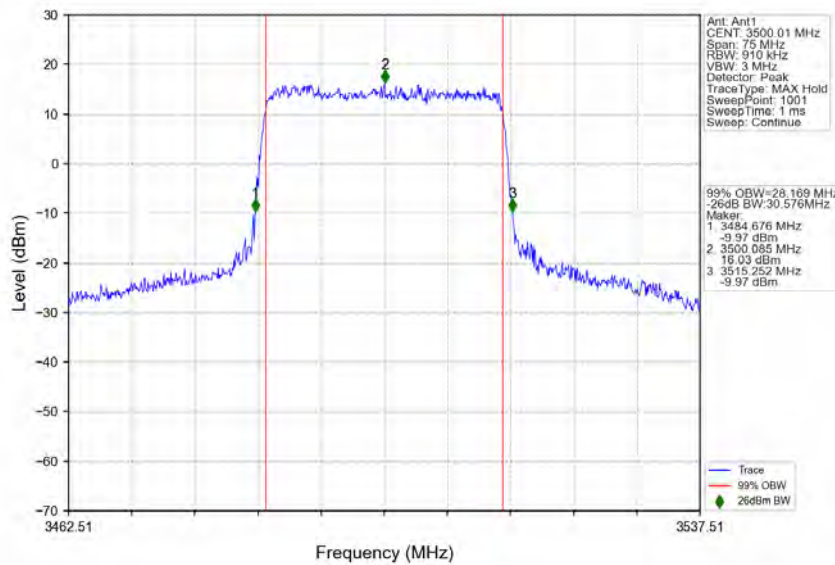
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Outer_Full



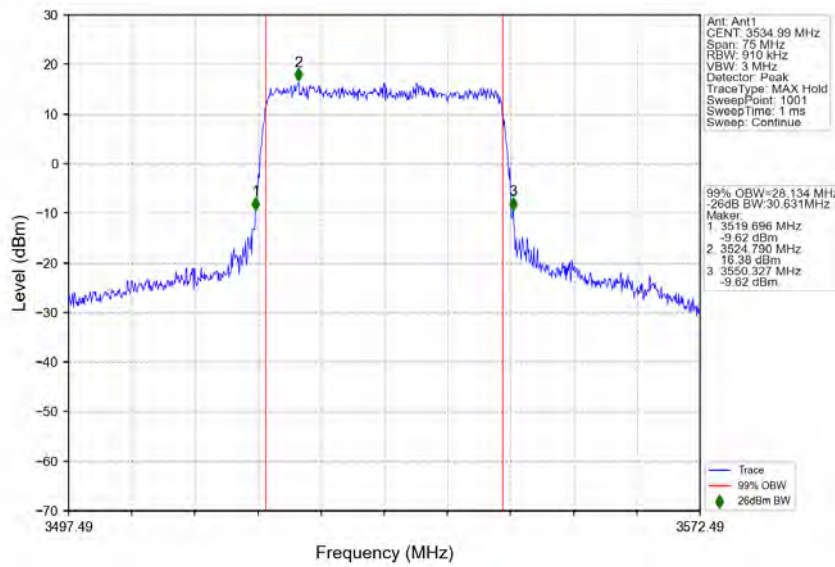
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_3465MHz_Outer_Full



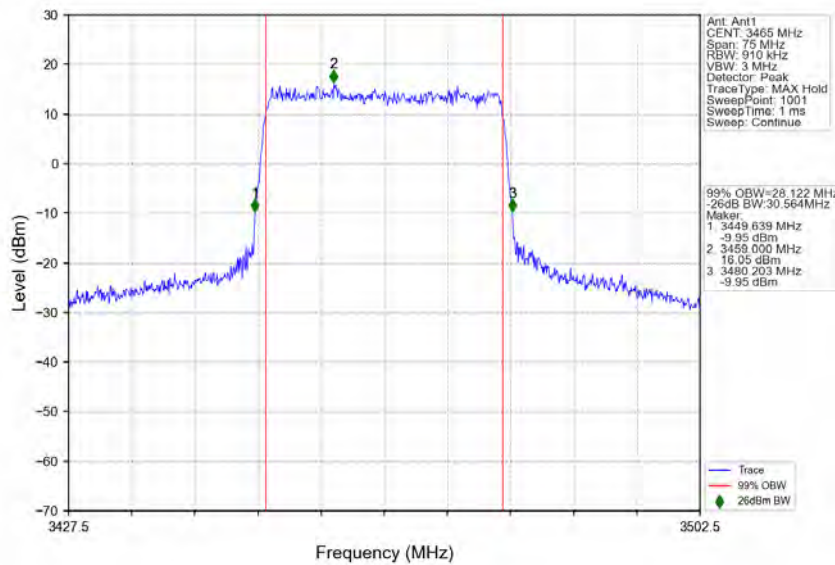
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_3500.01MHz_Outer_Full



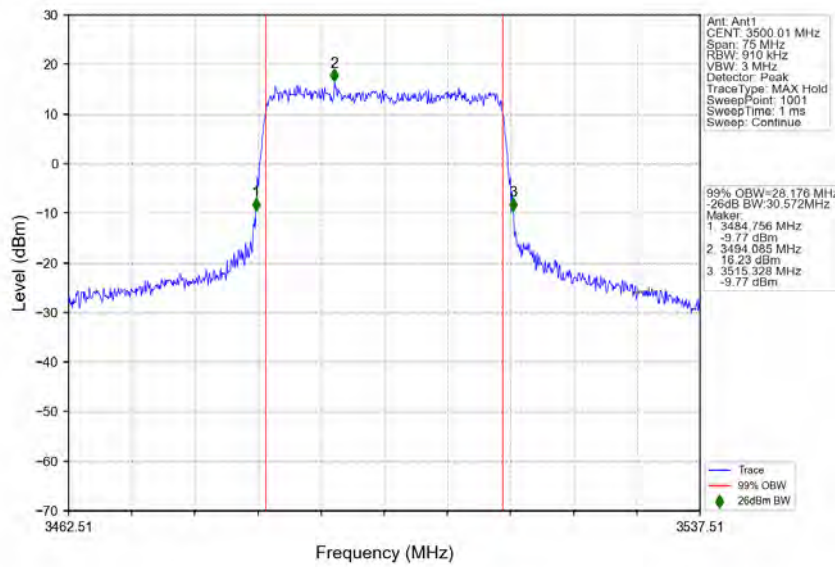
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_3534.99MHz_Outer_Full



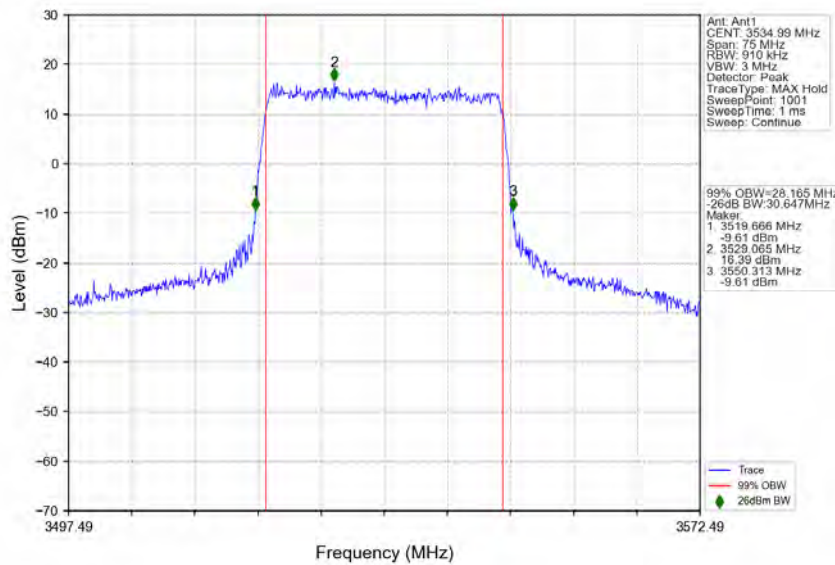
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3465MHz_Outer_Full



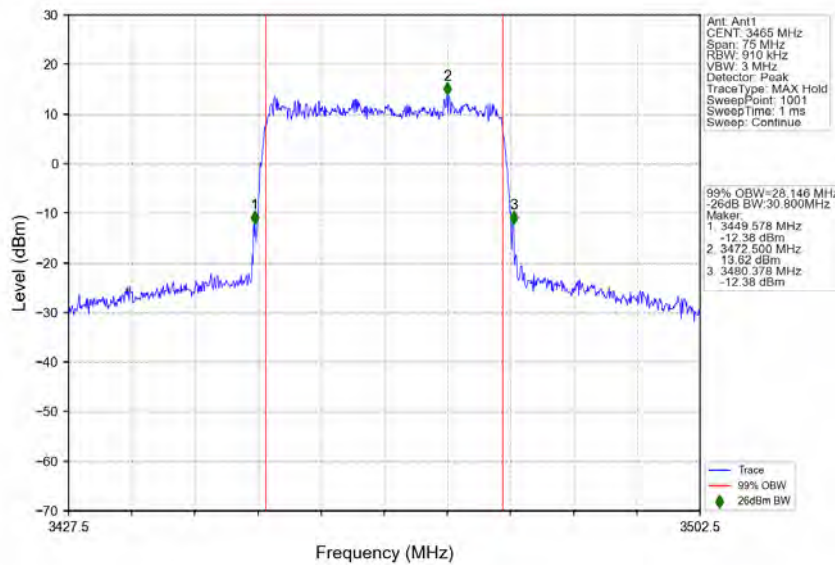
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full



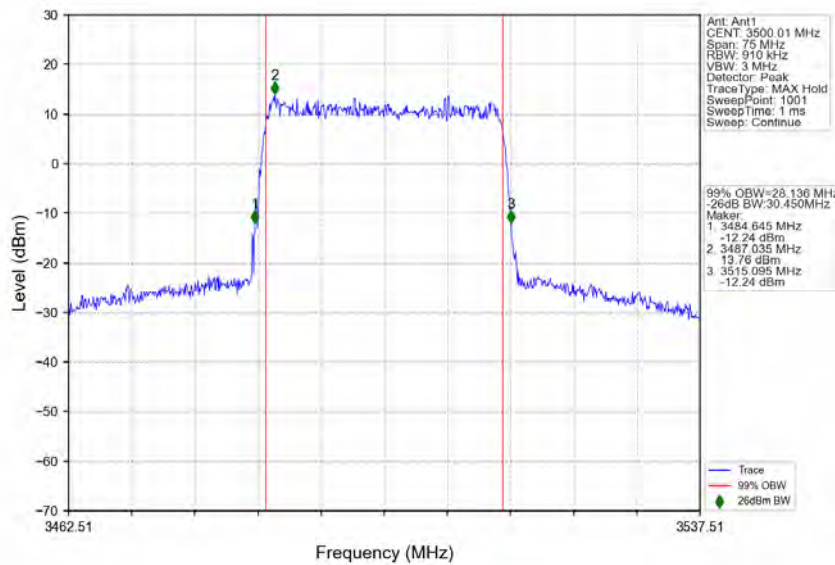
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3534.99MHz_Outer_Full



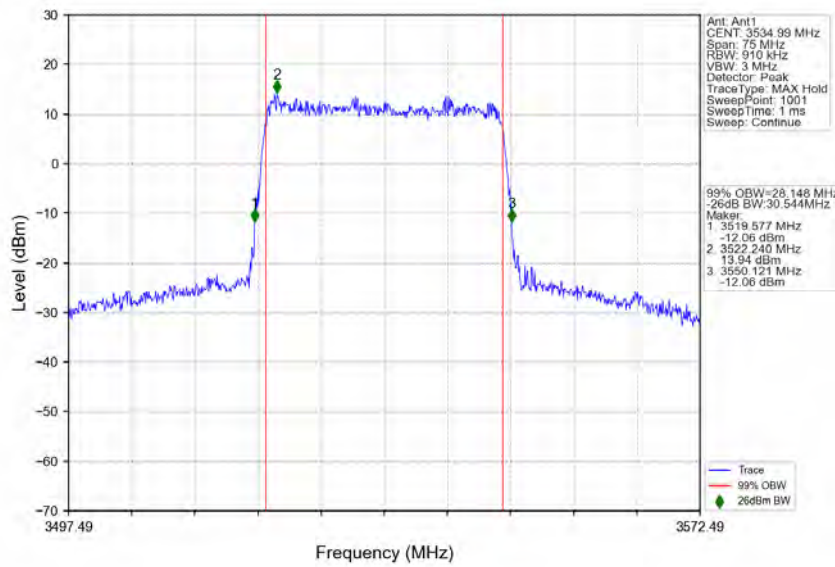
n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3465MHz_Outer_Full



n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3500.01MHz_Outer_Full

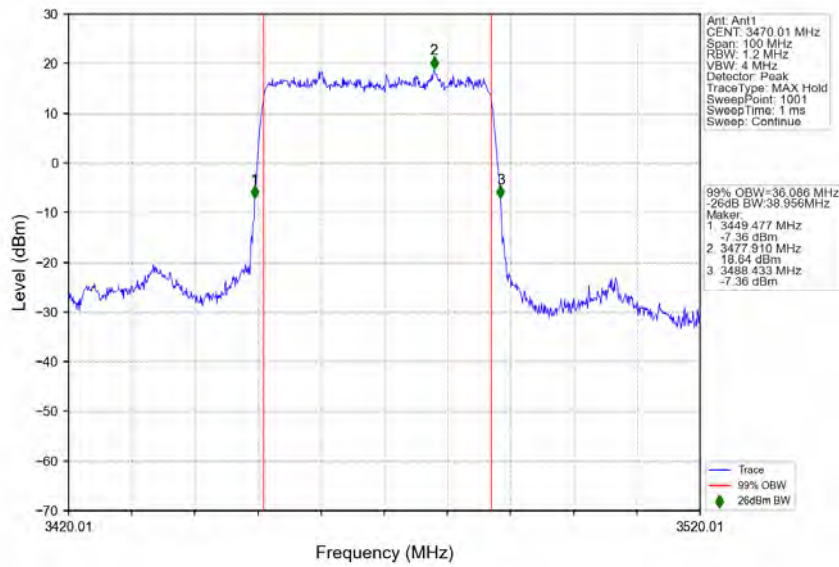


n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3534.99MHz_Outer_Full

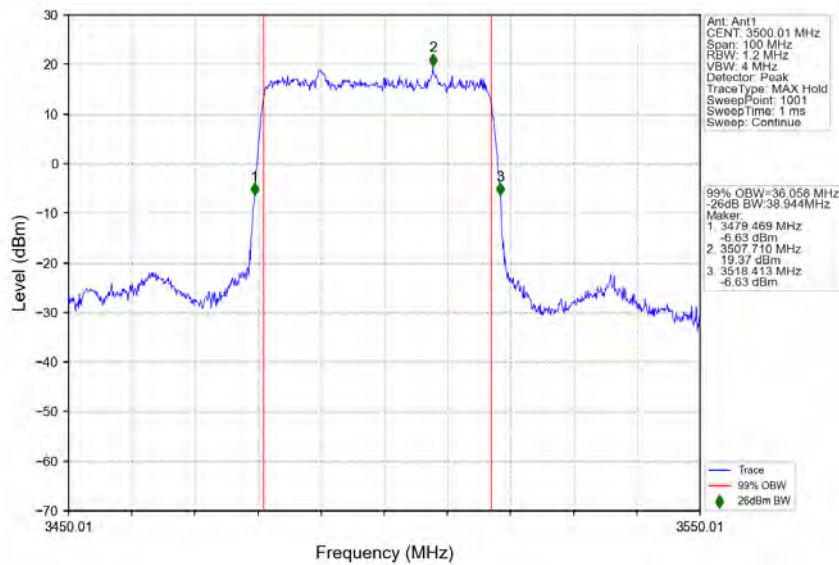


3.2.3 30k_SISO_40MHz_NTNV

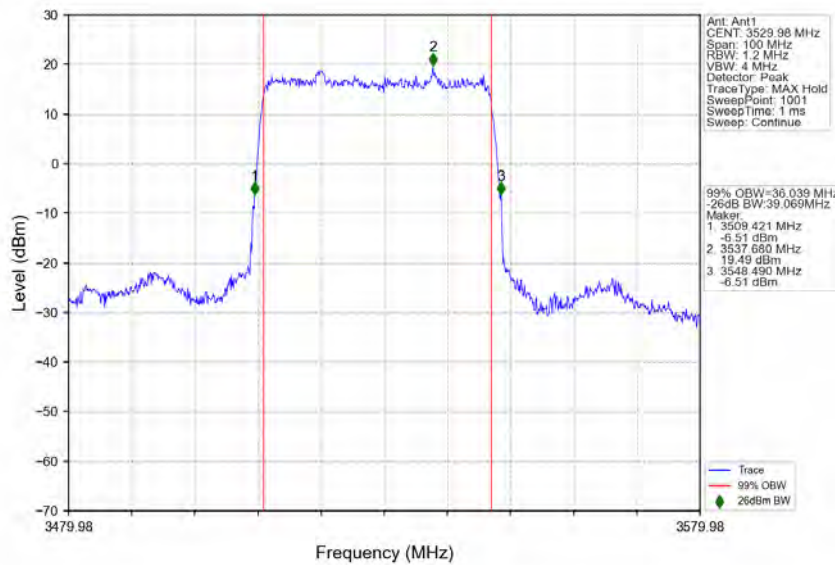
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Outer_Full



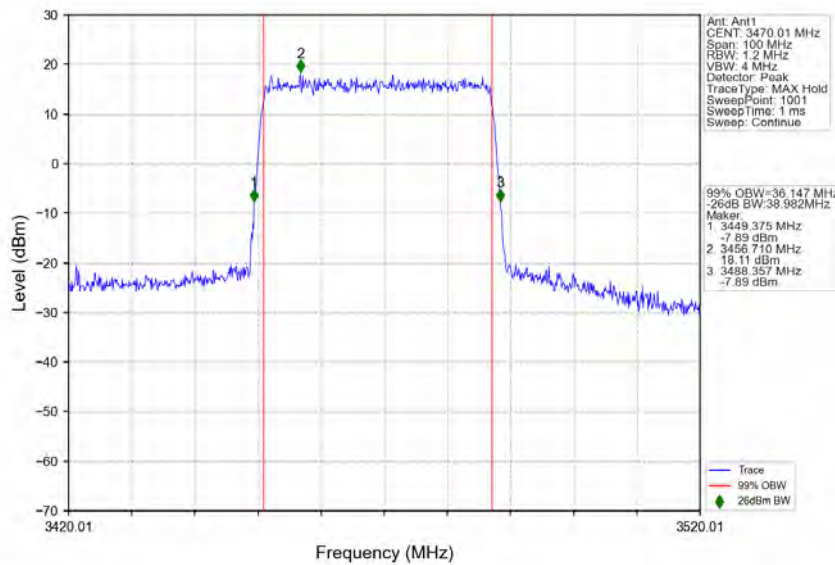
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



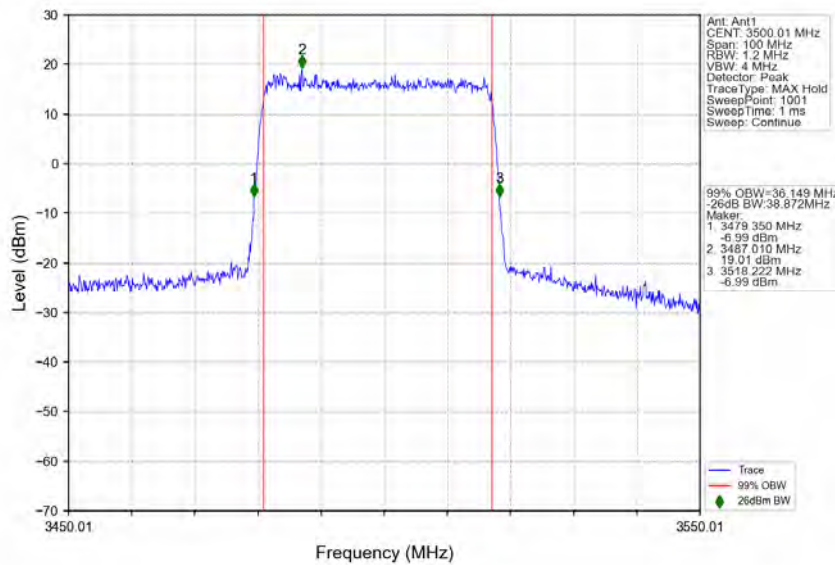
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3529.98MHz_Outer_Full



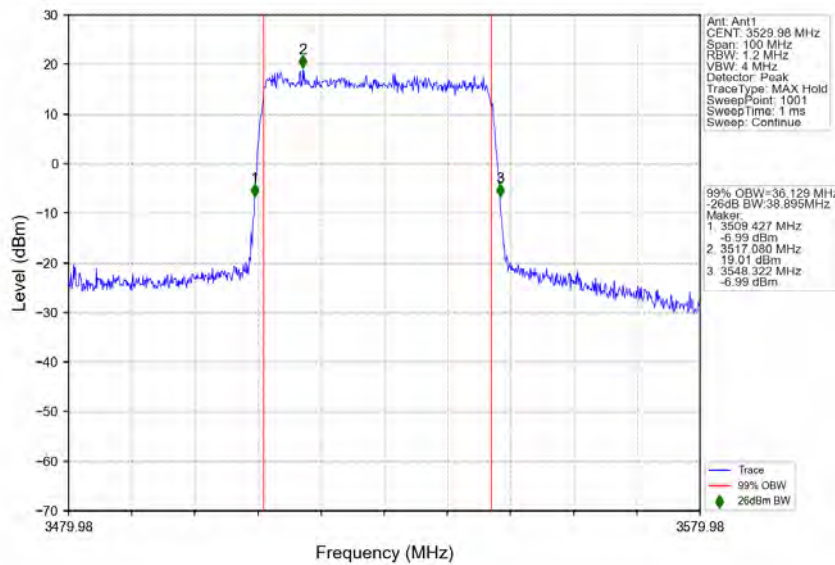
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3470.01MHz_Outer_Full



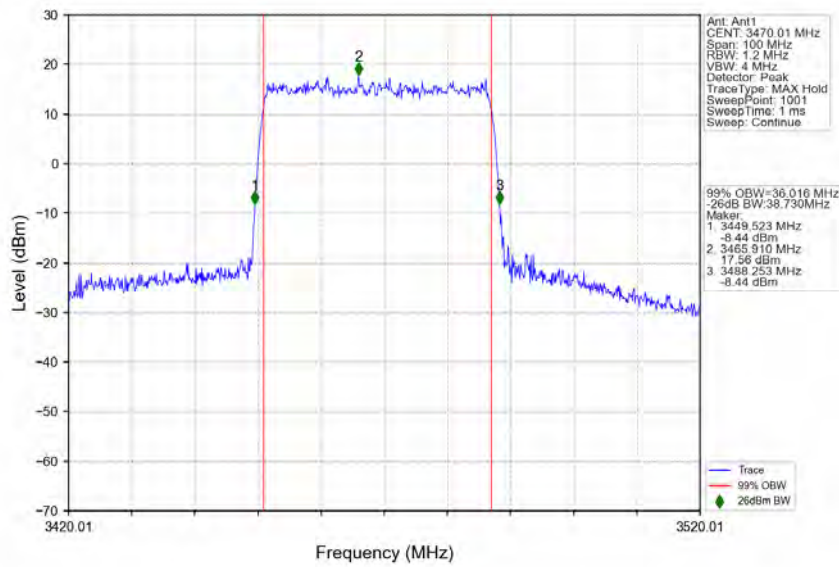
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3500.01MHz_Outer_Full



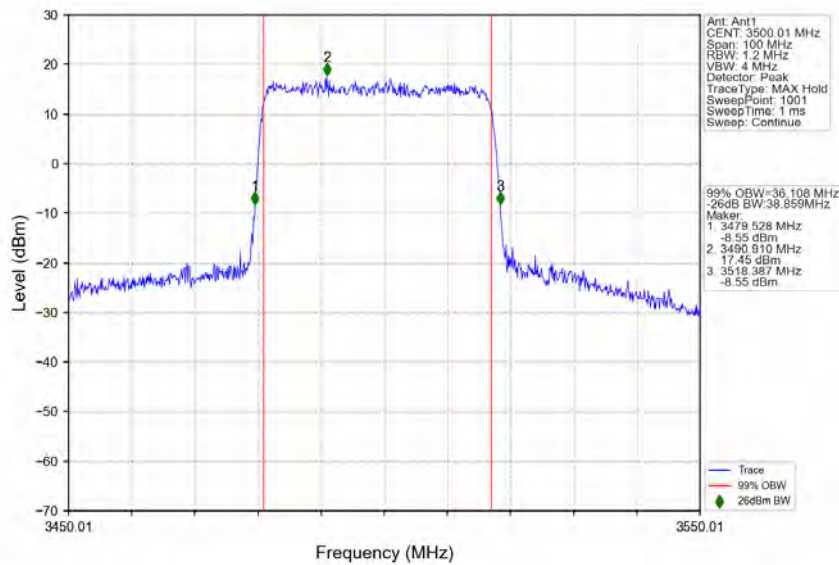
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3529.98MHz_Outer_Full



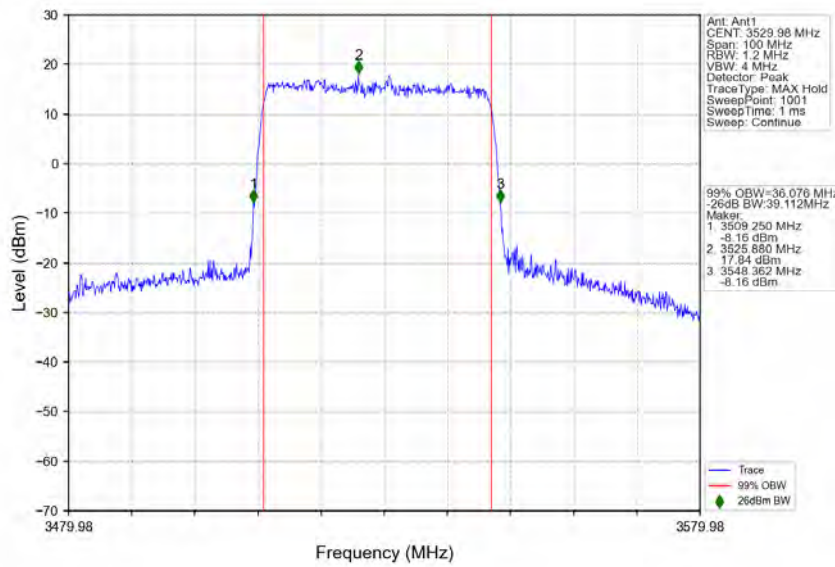
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3470.01MHz_Outer_Full



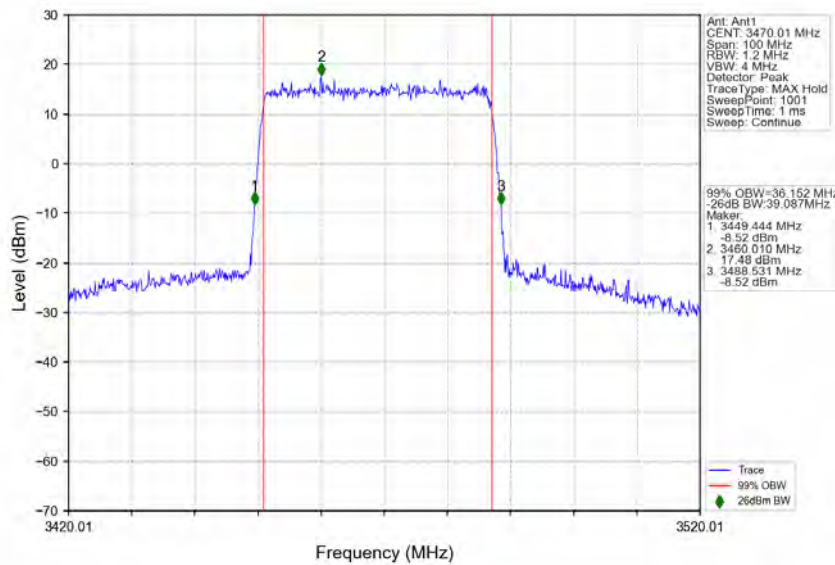
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3500.01MHz_Outer_Full



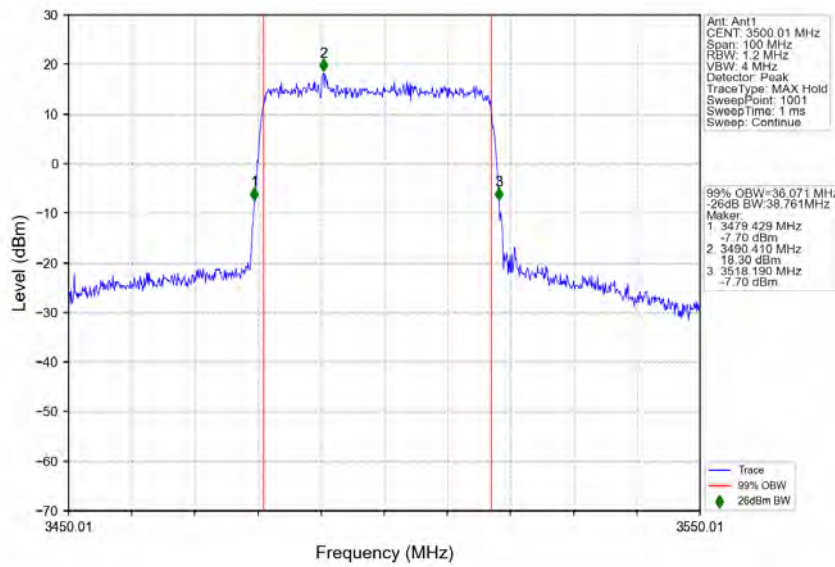
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3529.98MHz_Outer_Full



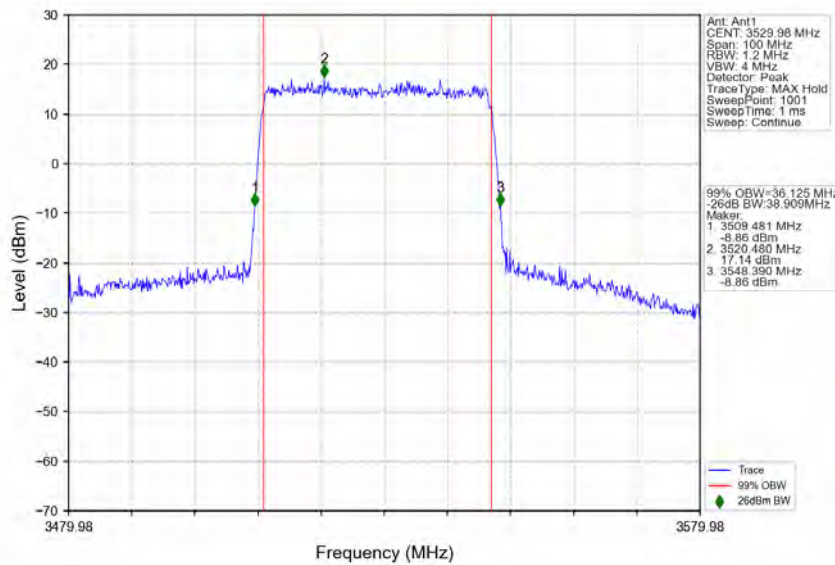
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3470.01MHz_Outer_Full



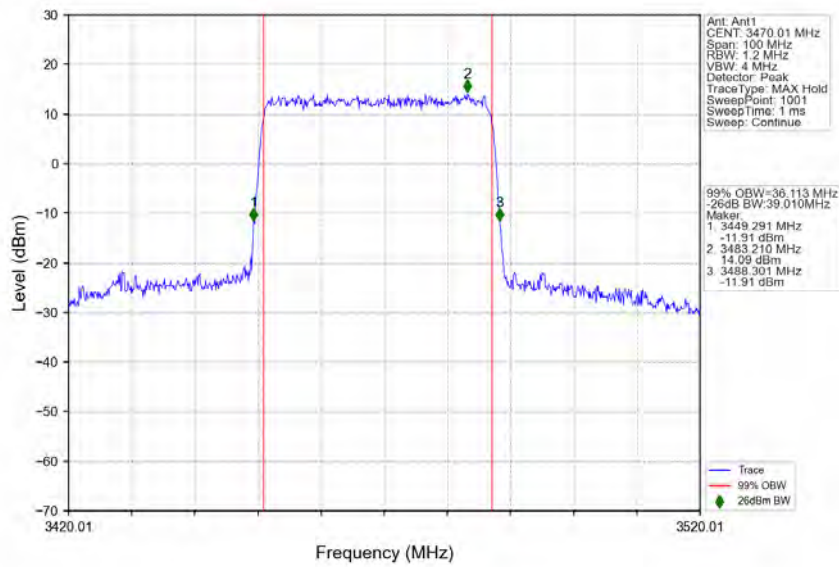
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3500.01MHz_Outer_Full



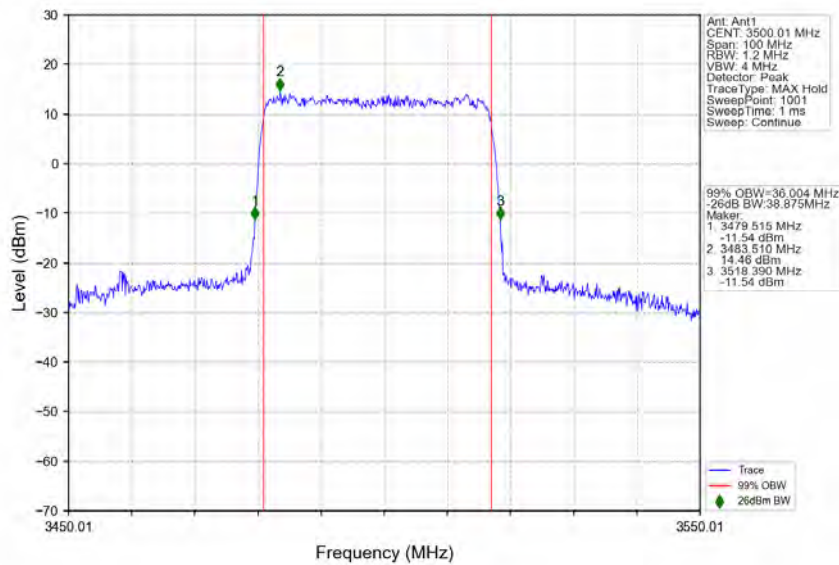
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3529.98MHz_Outer_Full



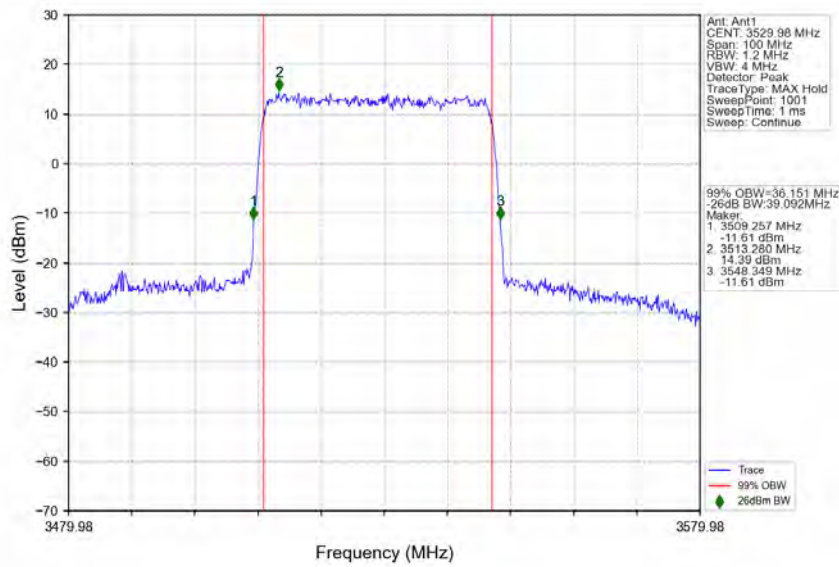
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3470.01MHz_Outer_Full



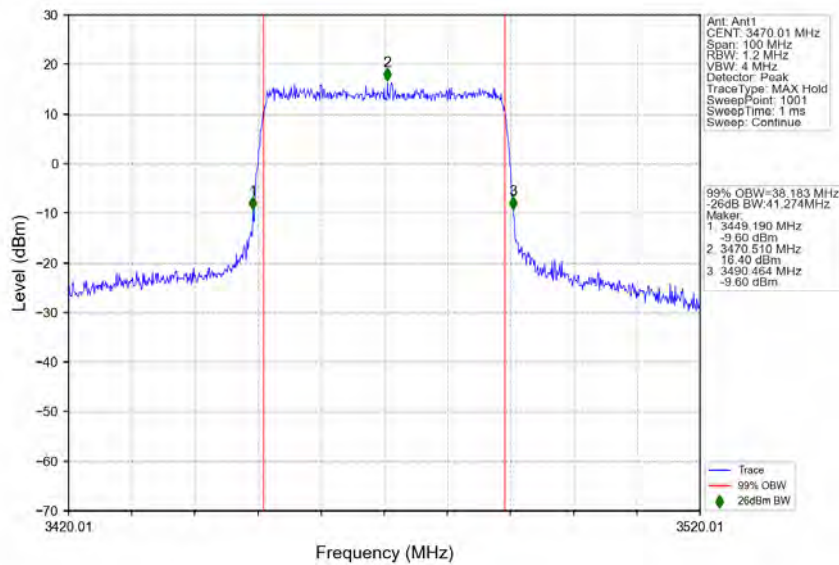
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full



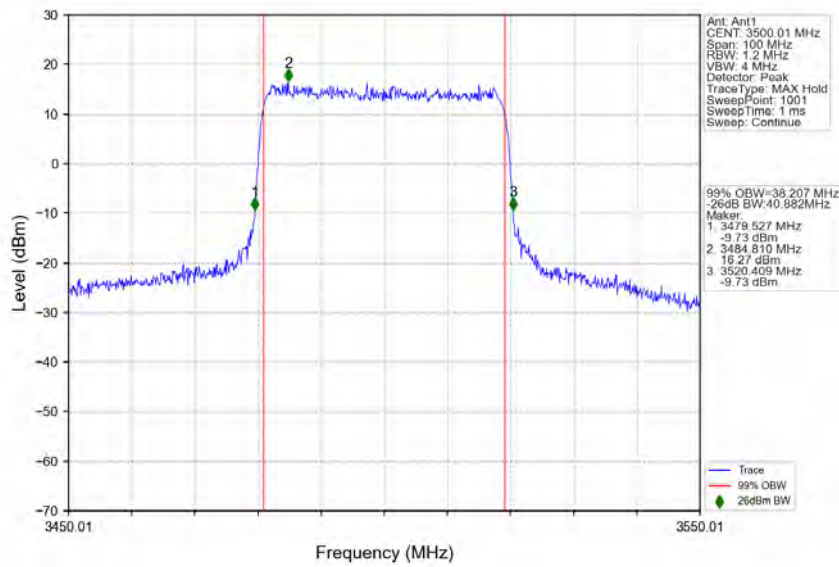
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3529.98MHz_Outer_Full



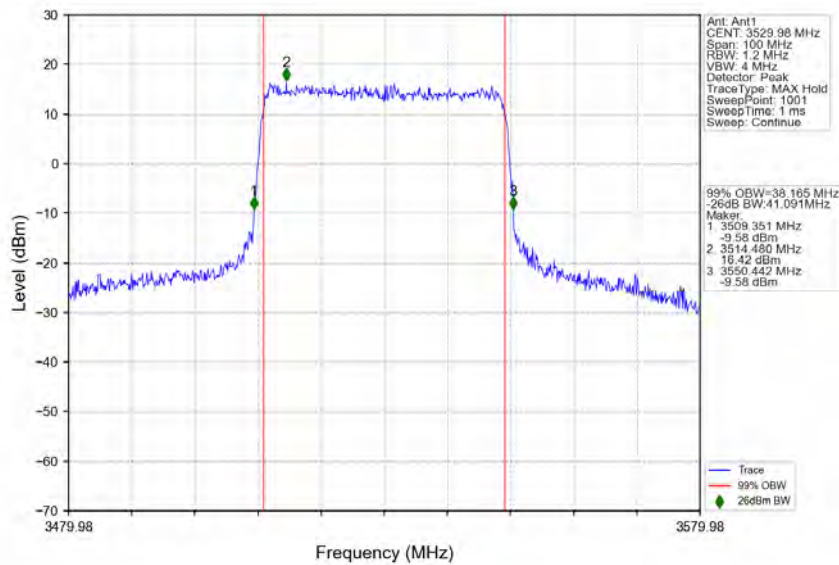
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3470.01MHz_Outer_Full



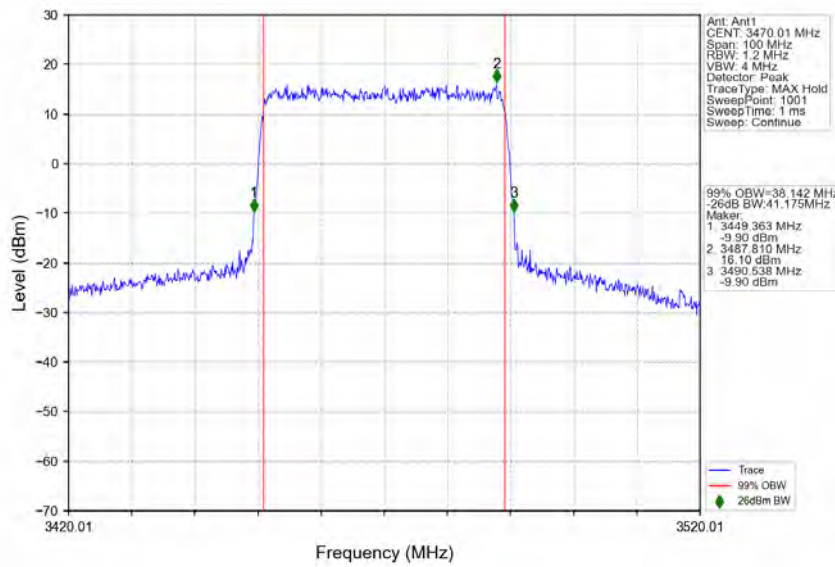
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3500.01MHz_Outer_Full



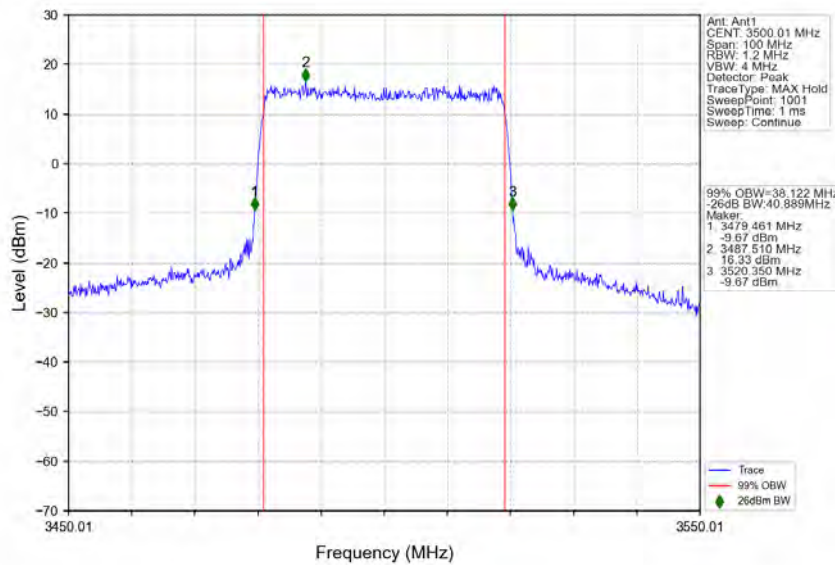
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3529.98MHz_Outer_Full



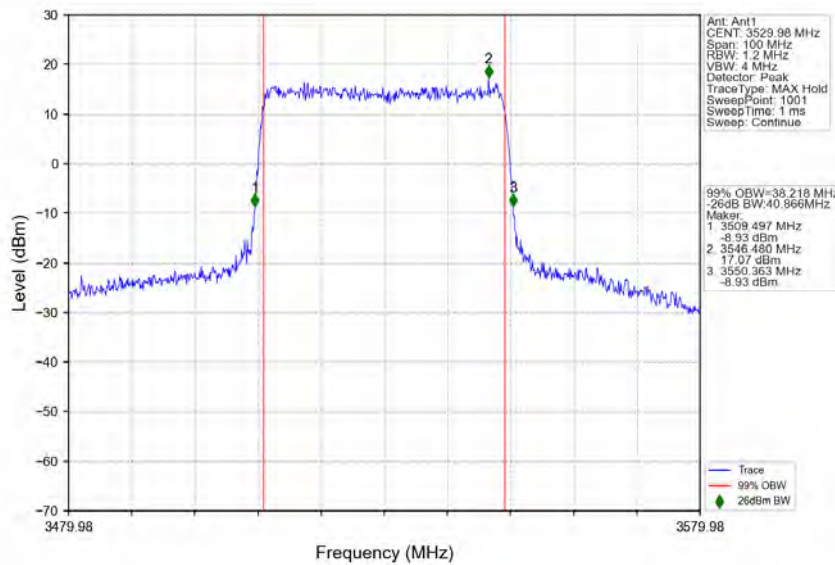
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3470.01MHz_Outer_Full



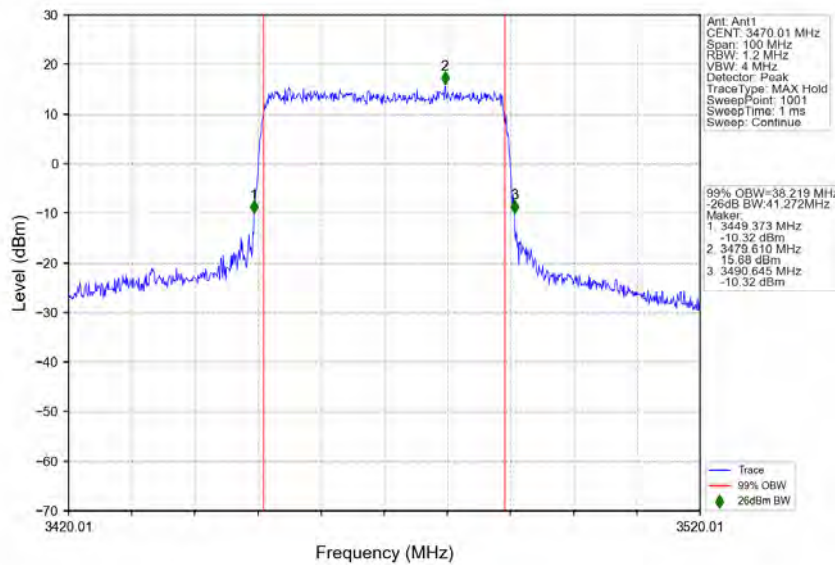
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3500.01MHz_Outer_Full



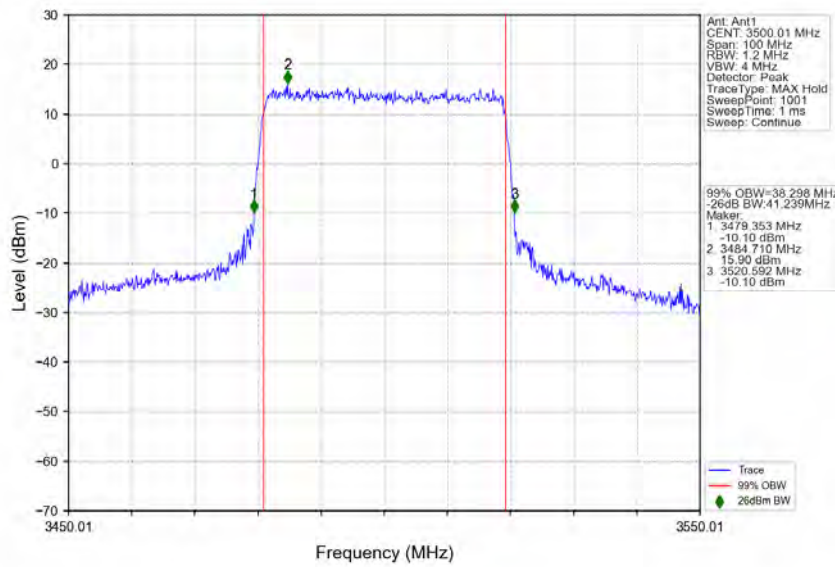
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3529.98MHz_Outer_Full



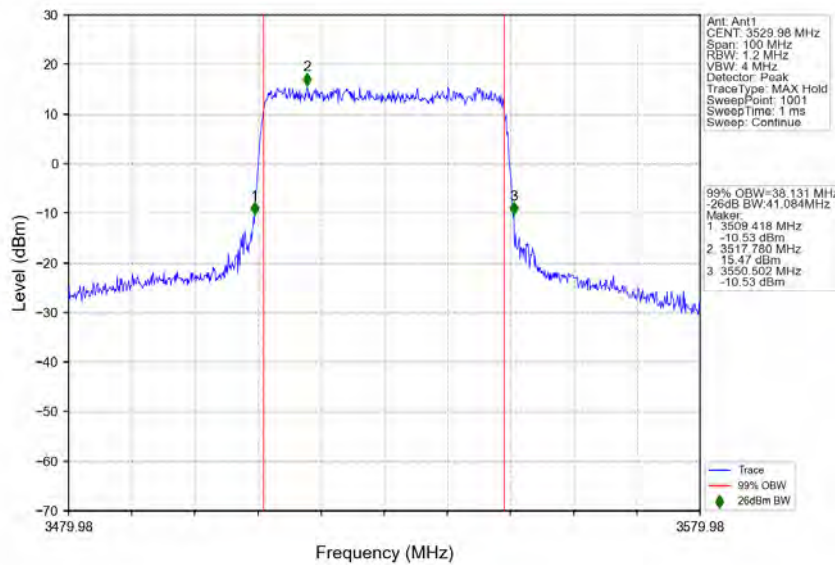
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3470.01MHz_Outer_Full



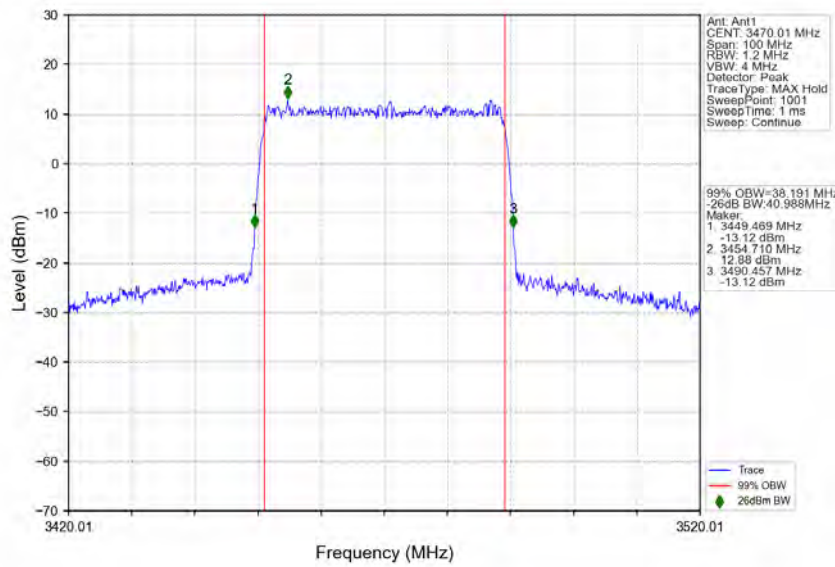
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full



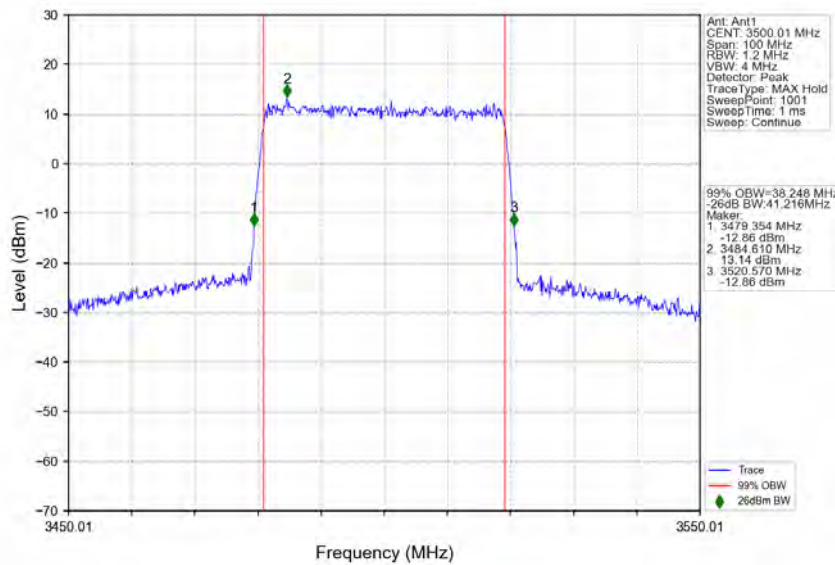
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3529.98MHz_Outer_Full



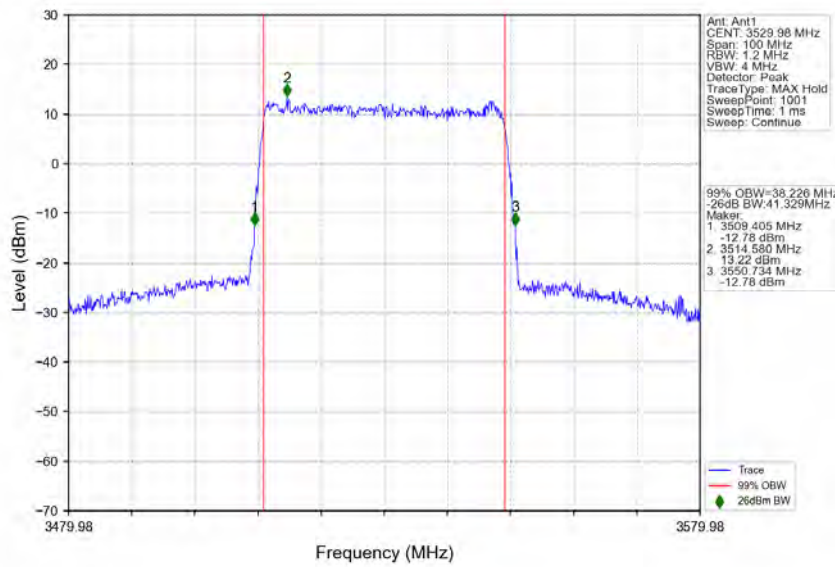
n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3470.01MHz_Outer_Full



n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3500.01MHz_Outer_Full

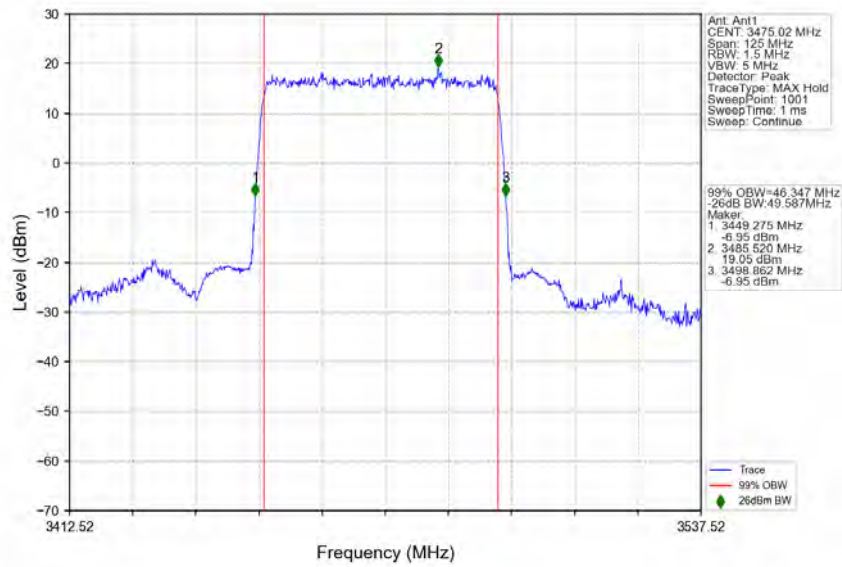


n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3529.98MHz_Outer_Full

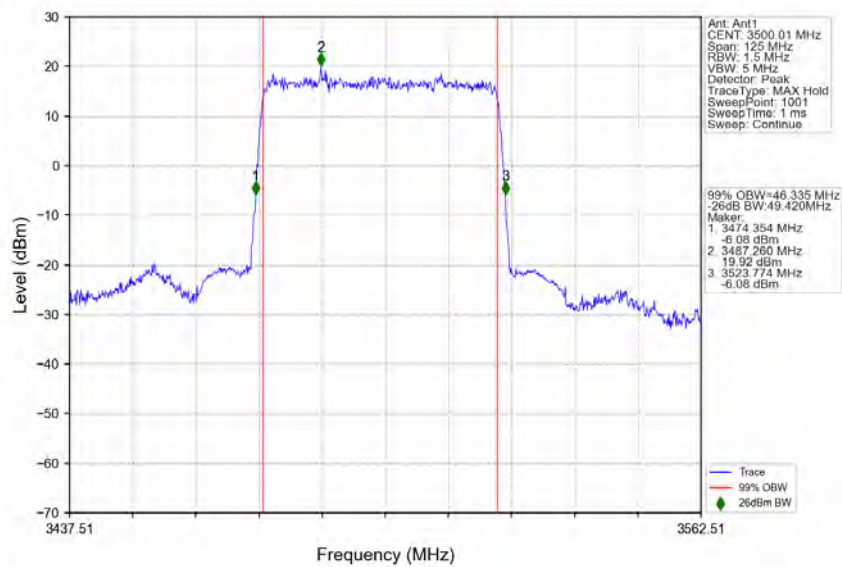


3.2.4 30k_SISO_50MHz_NTNV

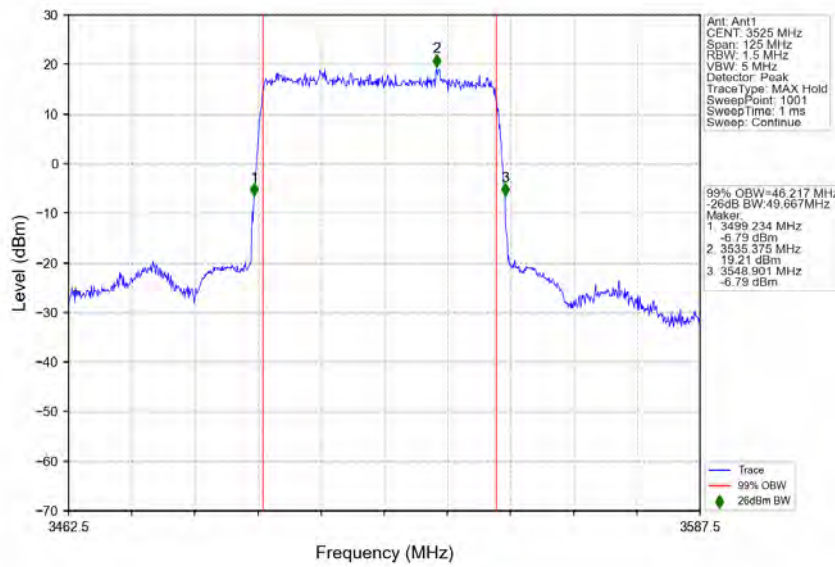
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Outer_Full



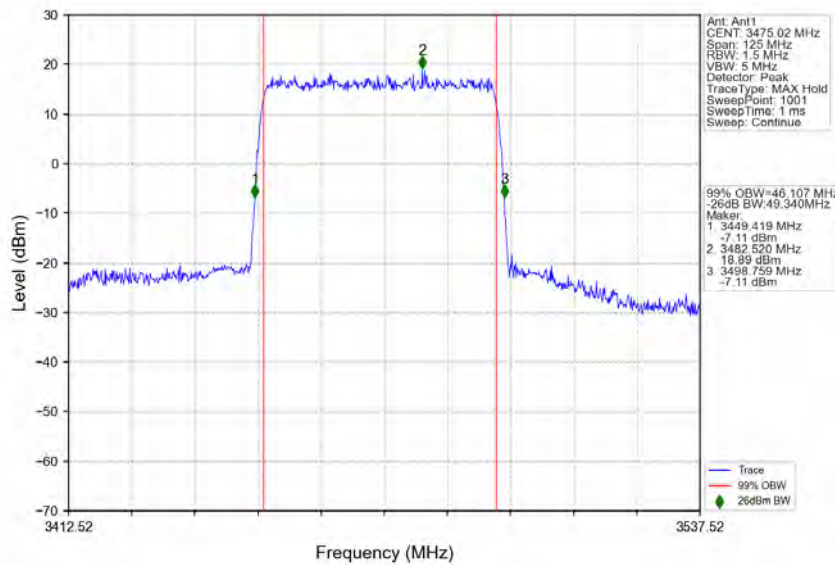
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



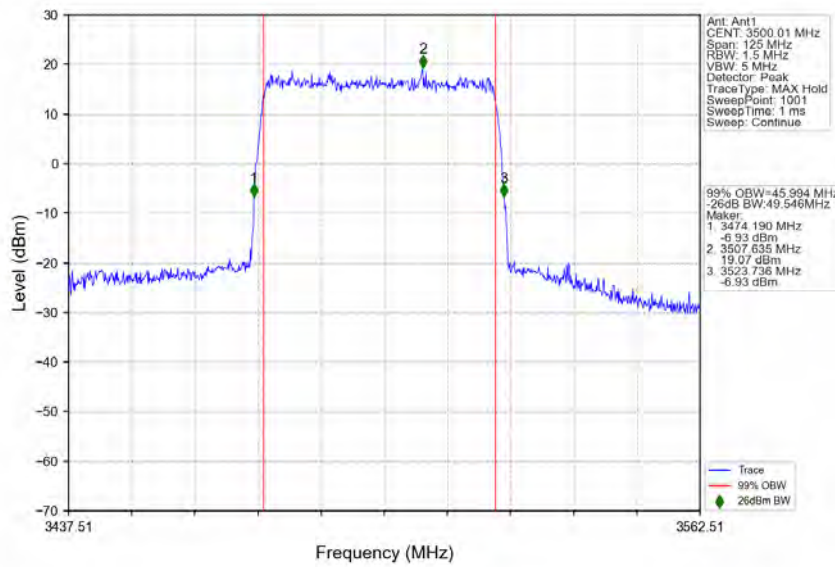
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3525MHz_Outer_Full



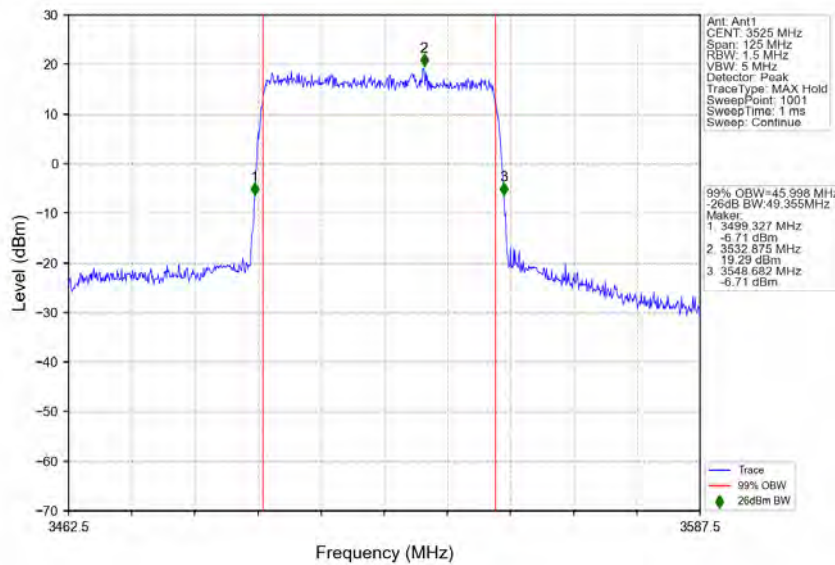
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3475.02MHz_Outer_Full



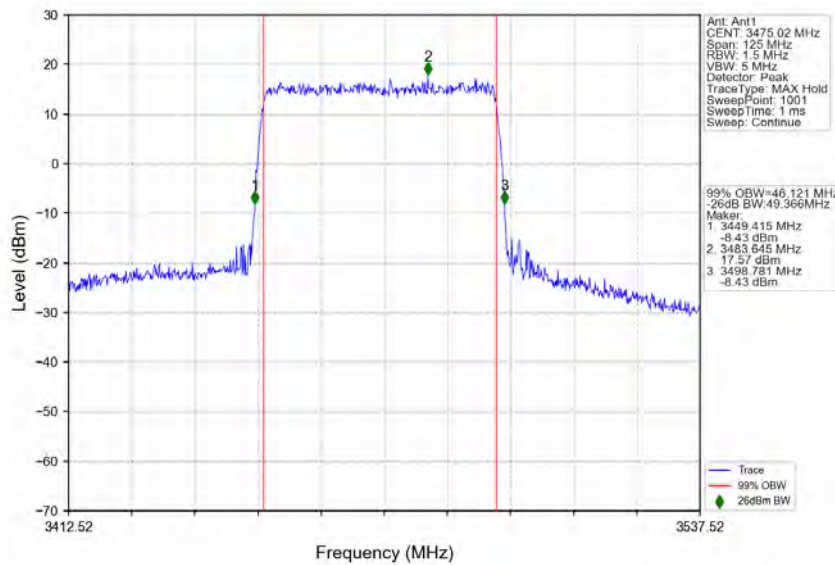
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full



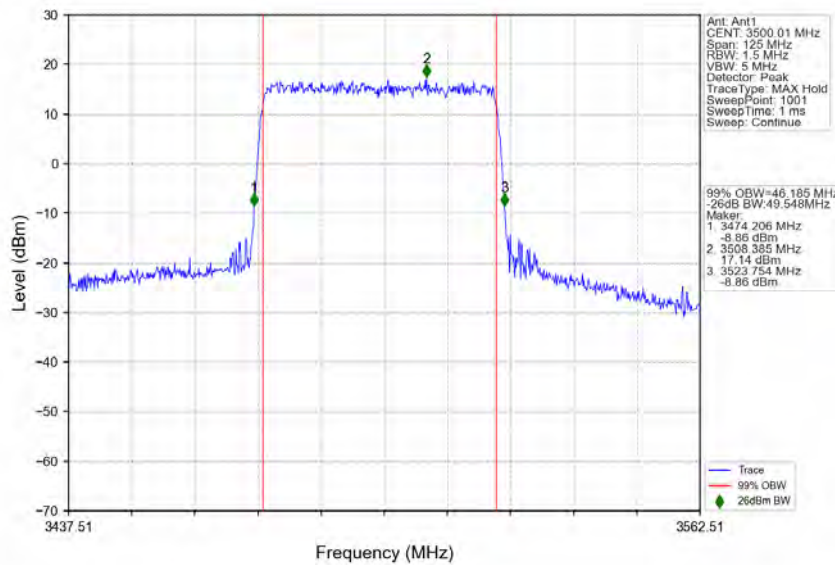
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3525MHz_Outer_Full



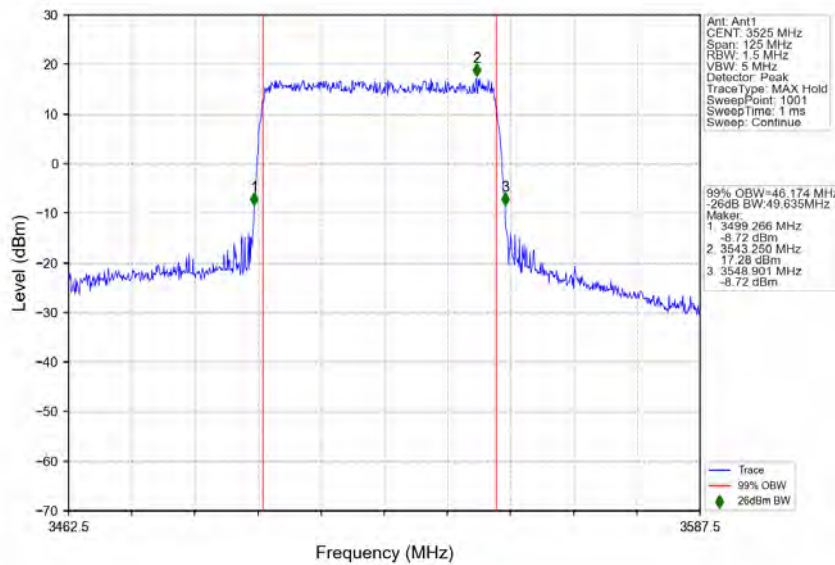
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3475.02MHz_Outer_Full



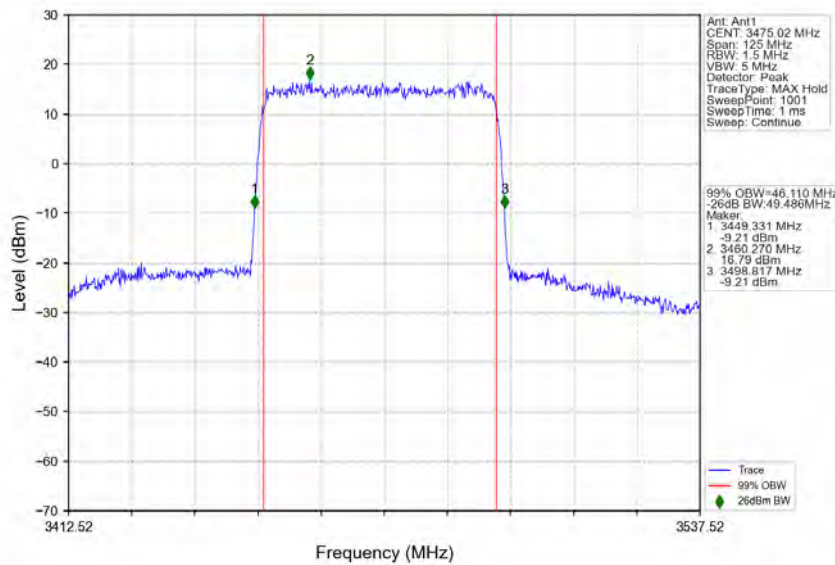
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3500.01MHz_Outer_Full



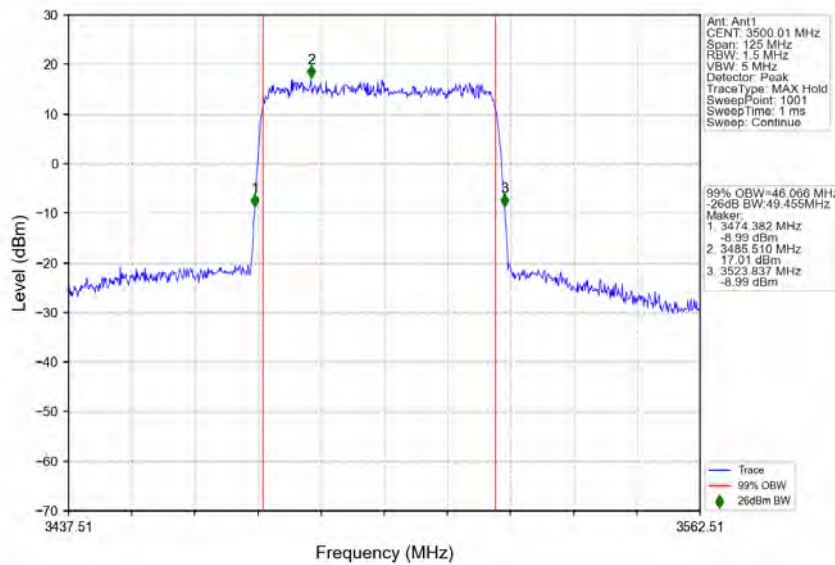
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3525MHz_Outer_Full



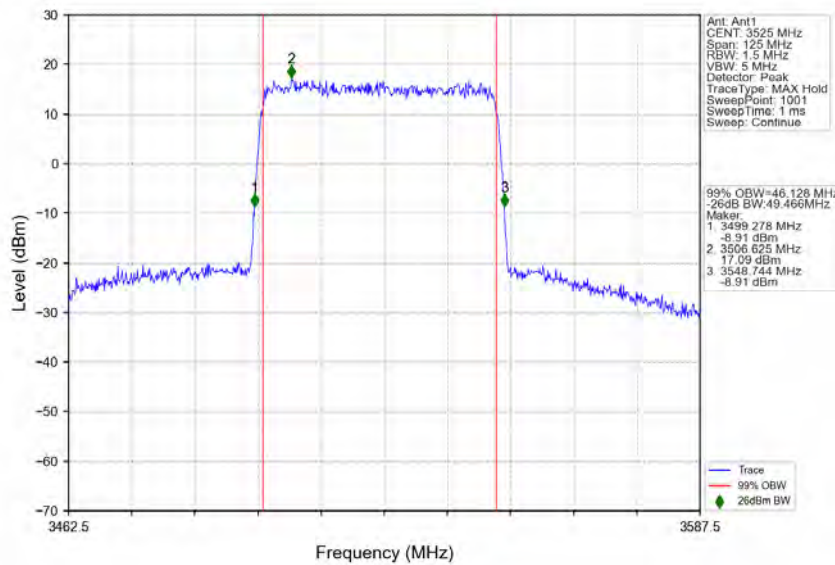
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3475.02MHz_Outer_Full



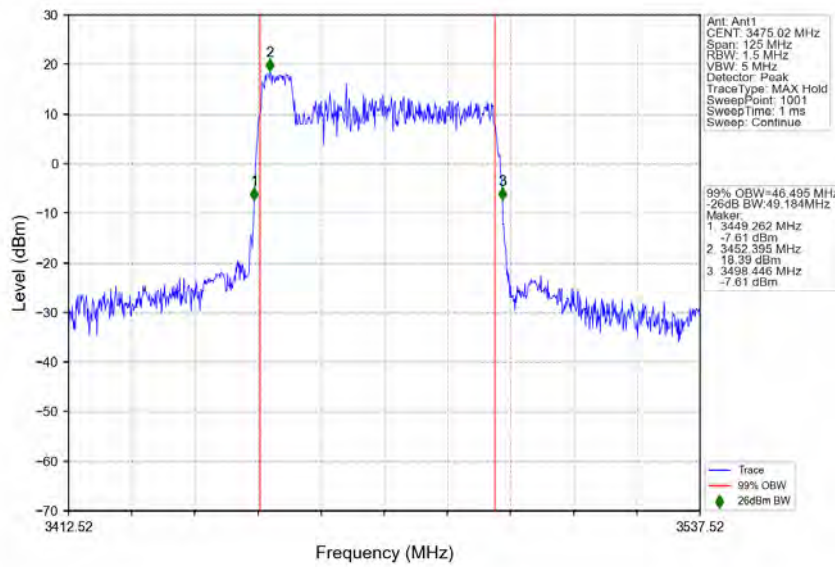
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3500.01MHz_Outer_Full



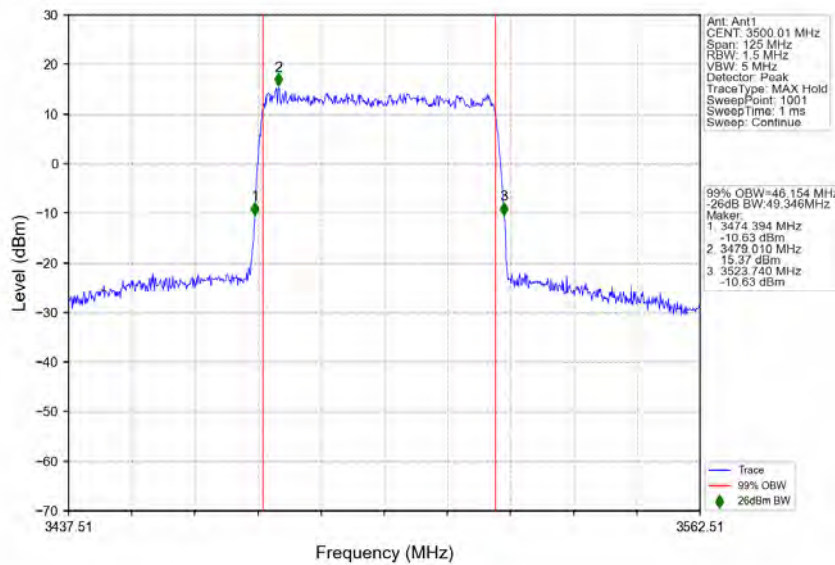
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3525MHz_Outer_Full



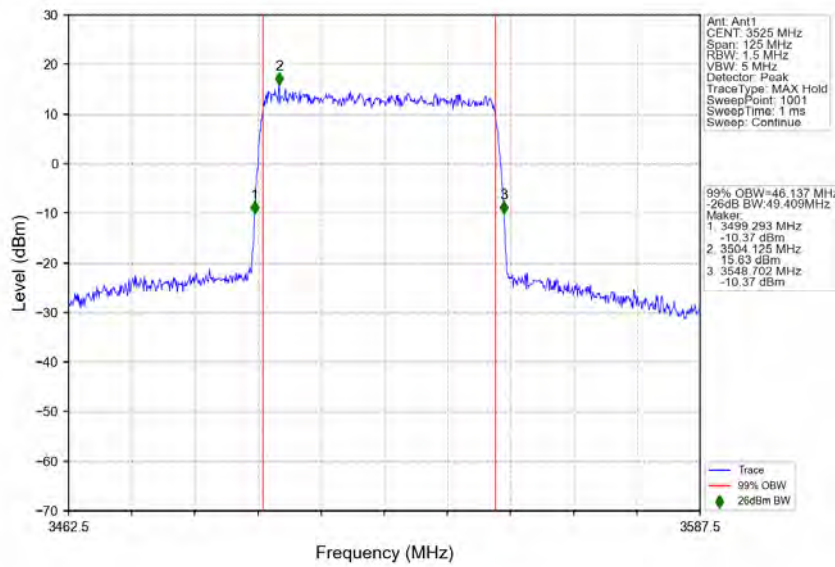
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3475.02MHz_Outer_Full



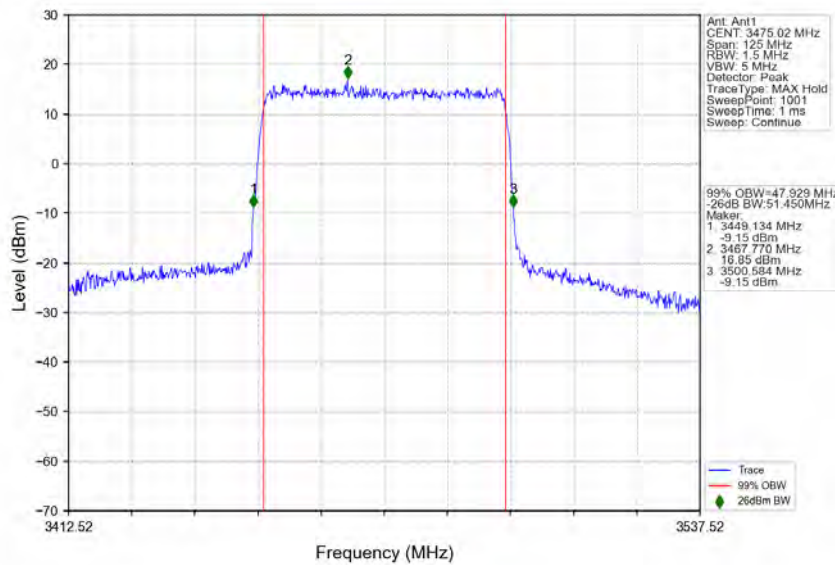
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full



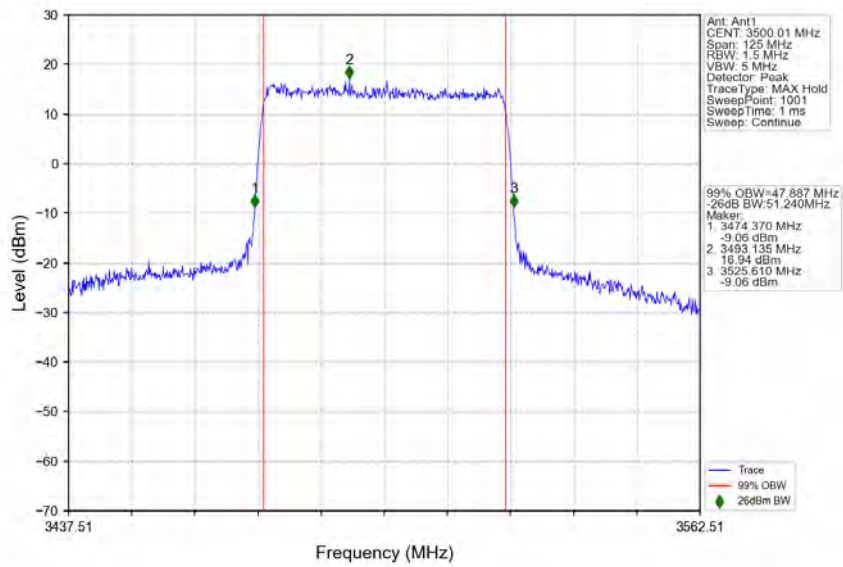
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 256 QAM_3525MHz_Outer_Full



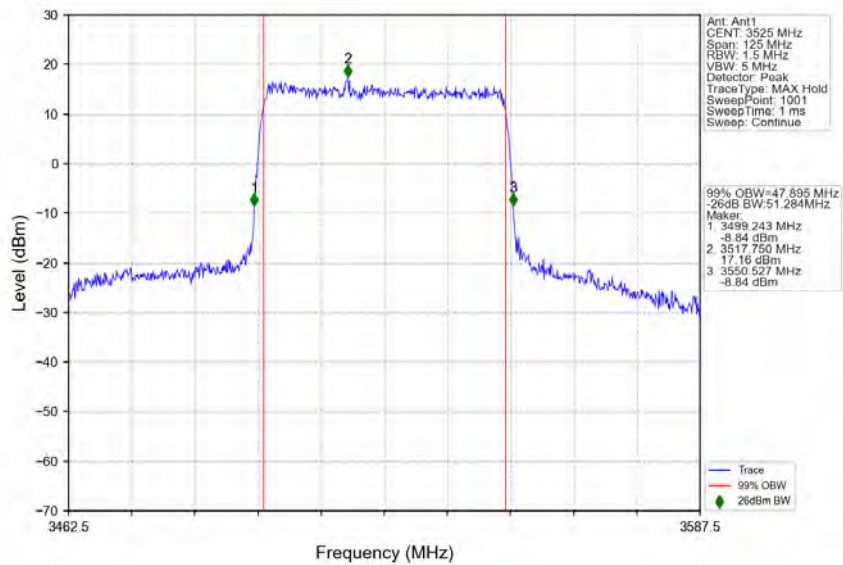
n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3475.02MHz_Outer_Full



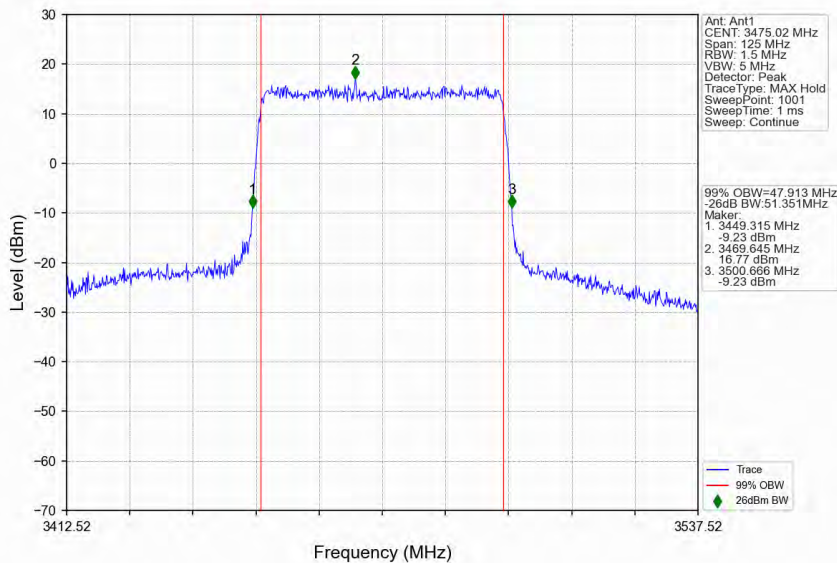
n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3500.01MHz_Outer_Full



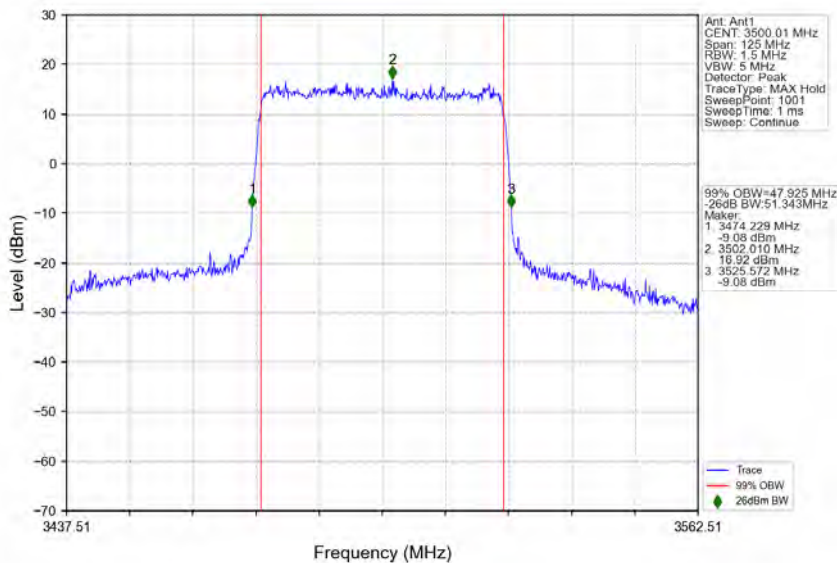
n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3525MHz_Outer_Full



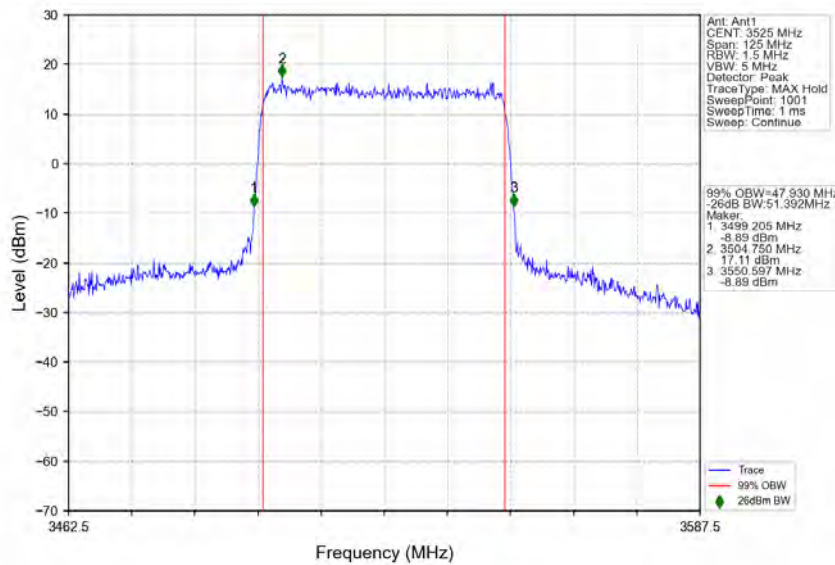
n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3475.02MHz_Outer_Full



n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3500.01MHz_Outer_Full



n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3525MHz_Outer_Full



n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3475.02MHz_Outer_Full

