

			30	NV	-9.09	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-1.82	-0.0005	>=-2.5 & <=2.5	Pass
			50	NV	-1.85	-0.0005	>=-2.5 & <=2.5	Pass

2.1.3 30_S_30M

5G NR n78f 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 PI/2 BPSK	3624.99	Outer_Full	20	LV	-5.48	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-4.36	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-17.02	-0.0047	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-10.77	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-10.31	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-9.67	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-2.76	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-1.75	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-0.26	-0.0001	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	1.43	0.0004	>=-2.5 & <=2.5	Pass
				HV	1.62	0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-12.24	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-16.50	-0.0046	>=-2.5 & <=2.5	Pass
			-10	NV	-4.54	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-8.55	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-10.85	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-0.29	-0.0001	>=-2.5 & <=2.5	Pass
			30	NV	-1.69	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-6.36	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-5.18	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-3.78	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-11.07	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-1.48	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-10.25	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	3.40	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-10.23	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-7.95	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-6.49	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-14.92	-0.0041	>=-2.5 & <=2.5	Pass
				HV	-11.54	-0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	-21.00	-0.0058	>=-2.5 & <=2.5	Pass
			-20	NV	-9.84	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-11.09	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	0.59	0.0002	>=-2.5 & <=2.5	Pass
			10	NV	-2.23	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	5.12	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	9.09	0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	3.14	0.0009	>=-2.5 & <=2.5	Pass
				HV	6.51	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-2.69	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-7.57	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-3.39	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-5.49	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-6.09	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.78	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-6.52	-0.0018	>=-2.5 & <=2.5	Pass



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			40	NV	-3.46	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-4.01	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-16.02	-0.0044	>=-2.5 & <=2.5	Pass
				HV	0.99	0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	-3.97	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	5.52	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-2.78	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-22.46	-0.0062	>=-2.5 & <=2.5	Pass
			10	NV	-5.47	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-6.98	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-8.33	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-3.25	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	0.59	0.0002	>=-2.5 & <=2.5	Pass
			CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	0.14
HV	-13.14	-0.0036					>=-2.5 & <=2.5	Pass
-30	NV	-12.12				-0.0033	>=-2.5 & <=2.5	Pass
-20	NV	-3.99				-0.0011	>=-2.5 & <=2.5	Pass
-10	NV	-10.37				-0.0029	>=-2.5 & <=2.5	Pass
0	NV	1.66				0.0005	>=-2.5 & <=2.5	Pass
10	NV	-1.68				-0.0005	>=-2.5 & <=2.5	Pass
20	NV	-15.38				-0.0042	>=-2.5 & <=2.5	Pass
30	NV	-6.85				-0.0019	>=-2.5 & <=2.5	Pass
40	NV	1.10				0.0003	>=-2.5 & <=2.5	Pass
50	NV	-4.73				-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full				20	LV	-3.65
			HV	4.43	0.0012		>=-2.5 & <=2.5	Pass
			-30	NV	-8.01	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-1.56	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-14.18	-0.0039	>=-2.5 & <=2.5	Pass
			0	NV	-9.12	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-13.98	-0.0039	>=-2.5 & <=2.5	Pass
			20	NV	-14.93	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-13.49	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	5.04	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	2.47	0.0007	>=-2.5 & <=2.5	Pass
			CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	6.57
HV	-0.04	0.0000					>=-2.5 & <=2.5	Pass
-30	NV	-9.74				-0.0027	>=-2.5 & <=2.5	Pass
-20	NV	0.30				0.0001	>=-2.5 & <=2.5	Pass
-10	NV	-2.98				-0.0008	>=-2.5 & <=2.5	Pass
0	NV	-10.11				-0.0028	>=-2.5 & <=2.5	Pass
10	NV	-6.33				-0.0017	>=-2.5 & <=2.5	Pass
20	NV	-0.40				-0.0001	>=-2.5 & <=2.5	Pass
30	NV	-8.55				-0.0024	>=-2.5 & <=2.5	Pass
40	NV	-5.04				-0.0014	>=-2.5 & <=2.5	Pass
50	NV	-1.61				-0.0004	>=-2.5 & <=2.5	Pass

2.1.4 30_S_40M

5G NR n78f 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 PI/2 BPSK	3624.99	Outer_Full	20	LV	13.90	0.0038	>=-2.5 & <=2.5	Pass
				HV	-4.95	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	10.49	0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-6.42	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-0.52	-0.0001	>=-2.5 & <=2.5	Pass
			0	NV	-5.26	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	1.76	0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-0.83	-0.0002	>=-2.5 & <=2.5	Pass
			30	NV	-9.81	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	5.28	0.0015	>=-2.5 & <=2.5	Pass

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			50	NV	-5.66	-0.0016	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	-5.67	-0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.58	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.22	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.56	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	0.97	0.0003	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-0.70	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			10	NV	0.67	0.0002	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-11.96	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.83	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.68	-0.0005	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-5.88	-0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	-11.82	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.35	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.36	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	6.84	0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.28	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.84	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.70	0.0005	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.40	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.46	-0.0007	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-14.64	-0.0040	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.22	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.91	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.54	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.22	0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.96	0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-0.21	-0.0001	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.03	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.81	0.0005	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.67	-0.0021	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-1.93	-0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.00	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.04	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.00	0.0003	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-13.47	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.19	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			10	NV	0.48	0.0001	≥ -2.5 & ≤ 2.5	Pass
			20	NV	9.84	0.0027	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.62	0.0004	≥ -2.5 & ≤ 2.5	Pass
			40	NV	8.57	0.0024	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-5.36	-0.0015	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.10	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-8.64	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.05	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.40	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	0.49	0.0001	≥ -2.5 & ≤ 2.5	Pass
			10	NV	9.18	0.0025	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-0.71	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-10.37	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.67	-0.0007	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-11.91	-0.0033	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.01	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.15	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	7.23	0.0020	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-13.68	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.11	-0.0006	≥ -2.5 & ≤ 2.5	Pass

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			10	NV	-2.01	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-5.54	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-4.96	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-0.26	-0.0001	>=-2.5 & <=2.5	Pass
			50	NV	-2.74	-0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	2.31	0.0006	>=-2.5 & <=2.5	Pass
				HV	-9.77	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	1.71	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	2.25	0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-1.59	-0.0004	>=-2.5 & <=2.5	Pass
			0	NV	5.22	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	2.72	0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-13.64	-0.0038	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-1.05	-0.0003	>=-2.5 & <=2.5	Pass
			50	NV	-3.52	-0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-10.72	-0.0030	>=-2.5 & <=2.5	Pass
				HV	9.24	0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	2.36	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-4.46	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	4.39	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-10.94	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	0.84	0.0002	>=-2.5 & <=2.5	Pass
			30	NV	14.04	0.0039	>=-2.5 & <=2.5	Pass
			40	NV	3.88	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-1.94	-0.0005	>=-2.5 & <=2.5	Pass

2.1.5 30_S_50M

5G NR n78f 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 PI/2 BPSK	3624.99	Outer_Full	20	LV	-0.89	-0.0002	>=-2.5 & <=2.5	Pass
				HV	-6.46	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-0.58	-0.0002	>=-2.5 & <=2.5	Pass
			-20	NV	-2.08	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	4.99	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-12.29	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	4.36	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-2.02	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	4.89	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-2.03	-0.0006	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	4.51	0.0012	>=-2.5 & <=2.5	Pass
				HV	-2.31	-0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	-0.05	0.0000	>=-2.5 & <=2.5	Pass
			-20	NV	-12.47	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-0.35	-0.0001	>=-2.5 & <=2.5	Pass
			0	NV	-4.79	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-14.62	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	8.20	0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-7.65	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-2.21	-0.0006	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-6.38	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-15.67	-0.0043	>=-2.5 & <=2.5	Pass
			-30	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-5.95	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-16.28	-0.0045	>=-2.5 & <=2.5	Pass
			0	NV	-11.01	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	9.59	0.0026	>=-2.5 & <=2.5	Pass



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			20	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass			
			30	NV	-11.85	-0.0033	>=-2.5 & <=2.5	Pass			
			40	NV	1.22	0.0003	>=-2.5 & <=2.5	Pass			
			50	NV	8.32	0.0023	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-13.47	-0.0037	>=-2.5 & <=2.5	Pass			
				HV	-3.54	-0.0010	>=-2.5 & <=2.5	Pass			
			-30	NV	-22.07	-0.0061	>=-2.5 & <=2.5	Pass			
			-20	NV	-2.88	-0.0008	>=-2.5 & <=2.5	Pass			
			-10	NV	-9.07	-0.0025	>=-2.5 & <=2.5	Pass			
			0	NV	2.49	0.0007	>=-2.5 & <=2.5	Pass			
			10	NV	-12.51	-0.0035	>=-2.5 & <=2.5	Pass			
			20	NV	-14.32	-0.0040	>=-2.5 & <=2.5	Pass			
			30	NV	-0.86	-0.0002	>=-2.5 & <=2.5	Pass			
			40	NV	-14.71	-0.0041	>=-2.5 & <=2.5	Pass			
			50	NV	-3.61	-0.0010	>=-2.5 & <=2.5	Pass			
			DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-7.21	-0.0020	>=-2.5 & <=2.5	Pass
							HV	-12.26	-0.0034	>=-2.5 & <=2.5	Pass
						-30	NV	-9.21	-0.0025	>=-2.5 & <=2.5	Pass
-20	NV	0.68				0.0002	>=-2.5 & <=2.5	Pass			
-10	NV	-0.18				0.0000	>=-2.5 & <=2.5	Pass			
0	NV	-1.67				-0.0005	>=-2.5 & <=2.5	Pass			
10	NV	7.14				0.0020	>=-2.5 & <=2.5	Pass			
20	NV	-4.86				-0.0013	>=-2.5 & <=2.5	Pass			
30	NV	-5.71				-0.0016	>=-2.5 & <=2.5	Pass			
40	NV	-11.77				-0.0032	>=-2.5 & <=2.5	Pass			
50	NV	8.76				0.0024	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	3624.99	Outer_Full				20	LV	2.47	0.0007	>=-2.5 & <=2.5	Pass
							HV	5.02	0.0014	>=-2.5 & <=2.5	Pass
						-30	NV	-5.66	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	3.06	0.0008	>=-2.5 & <=2.5	Pass			
			-10	NV	2.39	0.0007	>=-2.5 & <=2.5	Pass			
			0	NV	0.69	0.0002	>=-2.5 & <=2.5	Pass			
			10	NV	-7.06	-0.0019	>=-2.5 & <=2.5	Pass			
			20	NV	-7.43	-0.0020	>=-2.5 & <=2.5	Pass			
			30	NV	-2.01	-0.0006	>=-2.5 & <=2.5	Pass			
			40	NV	-22.15	-0.0061	>=-2.5 & <=2.5	Pass			
			50	NV	-12.17	-0.0034	>=-2.5 & <=2.5	Pass			
			CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-0.22	-0.0001	>=-2.5 & <=2.5	Pass
							HV	-5.93	-0.0016	>=-2.5 & <=2.5	Pass
						-30	NV	-10.89	-0.0030	>=-2.5 & <=2.5	Pass
-20	NV	11.99				0.0033	>=-2.5 & <=2.5	Pass			
-10	NV	-3.68				-0.0010	>=-2.5 & <=2.5	Pass			
0	NV	3.49				0.0010	>=-2.5 & <=2.5	Pass			
10	NV	-0.82				-0.0002	>=-2.5 & <=2.5	Pass			
20	NV	-11.17				-0.0031	>=-2.5 & <=2.5	Pass			
30	NV	-10.55				-0.0029	>=-2.5 & <=2.5	Pass			
40	NV	-13.44				-0.0037	>=-2.5 & <=2.5	Pass			
50	NV	-8.30				-0.0023	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	3624.99	Outer_Full				20	LV	-5.65	-0.0016	>=-2.5 & <=2.5	Pass
							HV	-15.26	-0.0042	>=-2.5 & <=2.5	Pass
						-30	NV	1.34	0.0004	>=-2.5 & <=2.5	Pass
			-20	NV	-1.65	-0.0005	>=-2.5 & <=2.5	Pass			
			-10	NV	-3.03	-0.0008	>=-2.5 & <=2.5	Pass			
			0	NV	-1.82	-0.0005	>=-2.5 & <=2.5	Pass			
			10	NV	-2.93	-0.0008	>=-2.5 & <=2.5	Pass			
			20	NV	-21.78	-0.0060	>=-2.5 & <=2.5	Pass			
			30	NV	7.83	0.0022	>=-2.5 & <=2.5	Pass			
			40	NV	-12.68	-0.0035	>=-2.5 & <=2.5	Pass			
			50	NV	-11.23	-0.0031	>=-2.5 & <=2.5	Pass			
			CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-3.36	-0.0009	>=-2.5 & <=2.5	Pass
							HV	-31.02	-0.0086	>=-2.5 & <=2.5	Pass
						-30	NV	6.59	0.0018	>=-2.5 & <=2.5	Pass

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			-20	NV	-4.75	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-7.56	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-12.59	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-20.14	-0.0056	>=-2.5 & <=2.5	Pass
			20	NV	3.87	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-2.00	-0.0006	>=-2.5 & <=2.5	Pass
			40	NV	7.30	0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-6.75	-0.0019	>=-2.5 & <=2.5	Pass

2.1.6 30_S_60M

5G NR n78f 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 PI/2 BPSK	3624.99	Outer_Full	20	LV	-1.38	-0.0004	>=-2.5 & <=2.5	Pass
				HV	-3.87	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-11.96	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-5.35	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-2.94	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-11.06	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-0.85	-0.0002	>=-2.5 & <=2.5	Pass
			20	NV	-3.04	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-13.75	-0.0038	>=-2.5 & <=2.5	Pass
			40	NV	-3.17	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	-6.98	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	-0.86	-0.0002	>=-2.5 & <=2.5	Pass
				HV	-13.02	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	0.50	0.0001	>=-2.5 & <=2.5	Pass
			-10	NV	-13.83	-0.0038	>=-2.5 & <=2.5	Pass
			0	NV	-14.84	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-9.61	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-1.64	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-17.78	-0.0049	>=-2.5 & <=2.5	Pass
			40	NV	2.72	0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-15.59	-0.0043	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-4.99	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-9.83	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-11.47	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-1.31	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-2.04	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-3.66	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-21.06	-0.0058	>=-2.5 & <=2.5	Pass
			20	NV	-6.65	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-14.23	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-11.23	-0.0031	>=-2.5 & <=2.5	Pass
			50	NV	-0.73	-0.0002	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-7.64	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-0.29	-0.0001	>=-2.5 & <=2.5	Pass
			-30	NV	3.70	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-6.66	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-25.45	-0.0070	>=-2.5 & <=2.5	Pass
			0	NV	-10.03	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-5.03	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-11.58	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-19.09	-0.0053	>=-2.5 & <=2.5	Pass
			40	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	-11.19	-0.0031	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	0.36	0.0001	>=-2.5 & <=2.5	Pass
				HV	3.10	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	5.14	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass

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			-10	NV	-7.07	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-13.63	-0.0038	>=-2.5 & <=2.5	Pass
			10	NV	7.14	0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-11.72	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	9.58	0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-4.26	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-13.12	-0.0036	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-8.34	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-6.27	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-18.24	-0.0050	>=-2.5 & <=2.5	Pass
			-20	NV	-12.84	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-3.18	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-22.53	-0.0062	>=-2.5 & <=2.5	Pass
			10	NV	-14.64	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-4.98	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-8.41	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-12.59	-0.0035	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	50	NV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			20	LV	-9.25	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-9.26	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-13.66	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	4.80	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-1.64	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-16.34	-0.0045	>=-2.5 & <=2.5	Pass
			10	NV	0.60	0.0002	>=-2.5 & <=2.5	Pass
			20	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-13.07	-0.0036	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	40	NV	-6.19	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			20	LV	-7.04	-0.0019	>=-2.5 & <=2.5	Pass
				HV	0.04	0.0000	>=-2.5 & <=2.5	Pass
			-30	NV	-7.34	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-7.28	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-13.97	-0.0039	>=-2.5 & <=2.5	Pass
			0	NV	-6.78	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-8.93	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-1.44	-0.0004	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	30	NV	-10.87	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	2.16	0.0006	>=-2.5 & <=2.5	Pass
			50	NV	1.74	0.0005	>=-2.5 & <=2.5	Pass
			20	LV	-10.73	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-0.58	-0.0002	>=-2.5 & <=2.5	Pass
			-30	NV	-14.00	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-4.93	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-9.18	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-4.28	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-4.44	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-15.52	-0.0043	>=-2.5 & <=2.5	Pass
			30	NV	-30.64	-0.0085	>=-2.5 & <=2.5	Pass
			40	NV	5.99	0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-16.25	-0.0045	>=-2.5 & <=2.5	Pass



2.1.7 30_S_70M

5G NR n78f 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 PI/2 BPSK	3624.99	Outer_Full	20	LV	-10.74	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-11.75	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-3.48	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-6.89	-0.0019	>=-2.5 & <=2.5	Pass

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			0	NV	-5.14	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.77	0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.57	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-18.84	-0.0052	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.73	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-13.58	-0.0037	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	-9.59	-0.0026	≥ -2.5 & ≤ 2.5	Pass
				HV	-14.33	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-17.85	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.61	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.79	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.29	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.91	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.13	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.41	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-12.86	-0.0035	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	50	NV	9.81	0.0027	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-9.17	-0.0025	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.23	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-11.39	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.83	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-9.12	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.64	0.0005	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.90	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.21	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.81	0.0011	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	40	NV	-8.56	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.45	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-13.02	-0.0036	≥ -2.5 & ≤ 2.5	Pass
				HV	-0.50	-0.0001	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.90	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-18.44	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-14.15	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.48	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-15.92	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			20	NV	0.70	0.0002	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	30	NV	-8.73	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.06	0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-16.62	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-6.75	-0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	-18.94	-0.0052	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.27	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.51	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-16.53	-0.0046	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	NV	-8.83	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.26	0.0003	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-13.39	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-12.41	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.12	0.0006	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.99	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-12.02	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.01	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.91	0.0016	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-12.21	-0.0034	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	10	NV	1.79	0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.66	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-10.44	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.34	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-12.29	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-6.86	-0.0019	≥ -2.5 & ≤ 2.5	Pass

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				HV	-9.59	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	0.57	0.0002	>=-2.5 & <=2.5	Pass
			-20	NV	-3.12	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-3.85	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-2.54	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-20.62	-0.0057	>=-2.5 & <=2.5	Pass
			20	NV	-8.99	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-13.20	-0.0036	>=-2.5 & <=2.5	Pass
			50	NV	-16.29	-0.0045	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-13.91	-0.0038	>=-2.5 & <=2.5	Pass
				HV	-5.99	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-8.29	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-14.73	-0.0041	>=-2.5 & <=2.5	Pass
			-10	NV	-11.22	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-6.78	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	6.93	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-4.47	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-11.76	-0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	50	NV	5.72	0.0016	>=-2.5 & <=2.5	Pass
			20	LV	0.12	0.0000	>=-2.5 & <=2.5	Pass
				HV	1.16	0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	-3.45	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-2.41	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-4.78	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-9.34	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-5.98	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-9.76	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-4.76	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-3.82	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-0.89	-0.0002	>=-2.5 & <=2.5	Pass

2.1.8 30_S_80M

5G NR n78f SCS=30kHz SISO 80MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3624.99	Outer_Full	20	LV	-8.68	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-5.86	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-0.17	0.0000	>=-2.5 & <=2.5	Pass
			-20	NV	-2.19	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-4.87	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-4.07	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-9.81	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	6.33	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-13.69	-0.0038	>=-2.5 & <=2.5	Pass
			40	NV	-2.75	-0.0008	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	50	NV	-20.00	-0.0055	>=-2.5 & <=2.5	Pass
			20	LV	-18.94	-0.0052	>=-2.5 & <=2.5	Pass
				HV	-7.22	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	6.75	0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	1.38	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-1.00	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-2.55	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-18.60	-0.0051	>=-2.5 & <=2.5	Pass
			20	NV	-7.39	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-11.87	-0.0033	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	40	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-17.49	-0.0048	>=-2.5 & <=2.5	Pass
			20	LV	-7.56	-0.0021	>=-2.5 & <=2.5	Pass
				HV	3.38	0.0009	>=-2.5 & <=2.5	Pass

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			-30	NV	0.37	0.0001	>=-2.5 & <=2.5	Pass
			-20	NV	-12.28	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-18.89	-0.0052	>=-2.5 & <=2.5	Pass
			0	NV	-8.58	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-6.57	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-13.27	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-0.18	0.0000	>=-2.5 & <=2.5	Pass
			40	NV	-17.92	-0.0049	>=-2.5 & <=2.5	Pass
			50	NV	-7.18	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-6.76	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-12.84	-0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-8.28	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-13.40	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-3.93	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-30.42	-0.0084	>=-2.5 & <=2.5	Pass
			10	NV	-8.02	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-16.92	-0.0047	>=-2.5 & <=2.5	Pass
			30	NV	-18.25	-0.0050	>=-2.5 & <=2.5	Pass
			40	NV	-2.88	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-8.95	-0.0025	>=-2.5 & <=2.5	Pass
			20	LV	1.39	0.0004	>=-2.5 & <=2.5	Pass
				HV	-5.85	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	-30	NV	-8.41	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-12.14	-0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	-1.48	-0.0004	>=-2.5 & <=2.5	Pass
			0	NV	3.19	0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-14.57	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-12.95	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-9.94	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-12.83	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-1.06	-0.0003	>=-2.5 & <=2.5	Pass
			20	LV	-18.13	-0.0050	>=-2.5 & <=2.5	Pass
				HV	-6.44	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-4.09	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-9.87	-0.0027	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	-10	NV	5.42	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	4.66	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-4.85	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-5.55	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-10.81	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-8.32	-0.0023	>=-2.5 & <=2.5	Pass
			20	LV	1.96	0.0005	>=-2.5 & <=2.5	Pass
				HV	-8.57	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	1.56	0.0004	>=-2.5 & <=2.5	Pass
			-20	NV	-7.62	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-5.66	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-12.46	-0.0034	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	10	NV	-9.77	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	11.36	0.0031	>=-2.5 & <=2.5	Pass
			30	NV	6.38	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	3.89	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-12.62	-0.0035	>=-2.5 & <=2.5	Pass
			20	LV	-0.82	-0.0002	>=-2.5 & <=2.5	Pass
				HV	-6.37	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.48	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-4.32	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-15.00	-0.0041	>=-2.5 & <=2.5	Pass
			0	NV	16.78	0.0046	>=-2.5 & <=2.5	Pass
			10	NV	-4.72	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-7.96	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	30	NV	-9.85	-0.0027	>=-2.5 & <=2.5	Pass



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CP-OFDM 256 QAM	3624.99	Outer_Full	40	NV	-0.75	-0.0002	>=-2.5 & <=2.5	Pass
			50	NV	0.02	0.0000	>=-2.5 & <=2.5	Pass
			20	LV	7.80	0.0022	>=-2.5 & <=2.5	Pass
				HV	-9.03	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-10.05	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-13.44	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-2.26	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	11.76	0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-4.52	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-0.14	0.0000	>=-2.5 & <=2.5	Pass
			30	NV	-15.28	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	4.84	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	9.78	0.0027	>=-2.5 & <=2.5	Pass

2.1.9 30_S_90M

5G NR n78f 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 PI/2 BPSK	3624.99	Outer_Full	20	LV	-11.32	-0.0031	>=-2.5 & <=2.5	Pass
				HV	-8.04	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-14.30	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-1.57	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-4.44	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-1.37	-0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-7.38	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	5.87	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-13.28	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	5.63	0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	-13.83	-0.0038	>=-2.5 & <=2.5	Pass
				HV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-4.03	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	3.04	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	3.45	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	3.23	0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-11.89	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-2.40	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-8.77	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-15.75	-0.0043	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	3.32	0.0009	>=-2.5 & <=2.5	Pass
				HV	-9.86	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-3.23	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-4.79	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-1.65	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-16.01	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	-12.14	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-7.17	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-12.43	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-9.74	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-12.84	-0.0035	>=-2.5 & <=2.5	Pass
				HV	-8.14	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-2.49	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-2.23	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-7.82	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-8.31	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-6.01	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	0.95	0.0003	>=-2.5 & <=2.5	Pass
			30	NV	-12.62	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	3.28	0.0009	>=-2.5 & <=2.5	Pass

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			50	NV	-0.81	-0.0002	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-11.96	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-7.89	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-10.49	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-0.09	0.0000	>=-2.5 & <=2.5	Pass
			-10	NV	9.32	0.0026	>=-2.5 & <=2.5	Pass
			0	NV	5.11	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-0.19	-0.0001	>=-2.5 & <=2.5	Pass
			20	NV	-15.23	-0.0042	>=-2.5 & <=2.5	Pass
			30	NV	-10.18	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-2.09	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-11.02	-0.0030	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-23.10	-0.0064	>=-2.5 & <=2.5	Pass
				HV	7.53	0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-11.96	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-2.02	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-7.14	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-1.03	-0.0003	>=-2.5 & <=2.5	Pass
			20	NV	-10.90	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-7.28	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-8.73	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-7.81	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-8.58	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-9.99	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-9.90	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-6.39	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-0.67	-0.0002	>=-2.5 & <=2.5	Pass
			10	NV	8.20	0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-15.22	-0.0042	>=-2.5 & <=2.5	Pass
			30	NV	-11.95	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-1.94	-0.0005	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-10.34	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-4.36	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-1.73	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	8.87	0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-1.37	-0.0004	>=-2.5 & <=2.5	Pass
			0	NV	-3.68	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-6.75	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	9.53	0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-15.58	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	2.33	0.0006	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-1.85	-0.0005	>=-2.5 & <=2.5	Pass
				HV	7.21	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	2.06	0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-2.71	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-7.44	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-13.98	-0.0039	>=-2.5 & <=2.5	Pass
			20	NV	0.21	0.0001	>=-2.5 & <=2.5	Pass
			30	NV	-6.97	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-1.61	-0.0004	>=-2.5 & <=2.5	Pass
			50	NV	-11.03	-0.0030	>=-2.5 & <=2.5	Pass

2.1.10 30_S_100M

5G NR n78f SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	

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DFT-s-OFDM PI/2 BPSK	3624.99	Outer_Full	20	LV	-14.44	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-0.09	0.0000	>=-2.5 & <=2.5	Pass
			-20	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-15.21	-0.0042	>=-2.5 & <=2.5	Pass
			0	NV	-8.46	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-10.42	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-3.25	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-7.23	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	50	NV	-1.52	-0.0004	>=-2.5 & <=2.5	Pass
			20	LV	-22.28	-0.0061	>=-2.5 & <=2.5	Pass
				HV	-4.06	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	2.04	0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-15.07	-0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-7.04	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	2.48	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-2.51	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-11.20	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-1.52	-0.0004	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	40	NV	-3.62	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-9.32	-0.0026	>=-2.5 & <=2.5	Pass
			20	LV	-8.33	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-1.38	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-2.67	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-9.01	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-22.48	-0.0062	>=-2.5 & <=2.5	Pass
			0	NV	3.53	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-19.25	-0.0053	>=-2.5 & <=2.5	Pass
			20	NV	0.85	0.0002	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	30	NV	2.14	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	-2.11	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-14.76	-0.0041	>=-2.5 & <=2.5	Pass
			20	LV	5.36	0.0015	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	1.89	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-19.33	-0.0053	>=-2.5 & <=2.5	Pass
			-10	NV	2.26	0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-26.84	-0.0074	>=-2.5 & <=2.5	Pass
			10	NV	-7.86	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	NV	-10.23	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-6.39	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	2.77	0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-2.09	-0.0006	>=-2.5 & <=2.5	Pass
			20	LV	2.59	0.0007	>=-2.5 & <=2.5	Pass
				HV	1.66	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	-10.84	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-0.77	-0.0002	>=-2.5 & <=2.5	Pass
			-10	NV	-4.89	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-22.04	-0.0061	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	10	NV	-8.44	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-5.89	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-3.63	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-4.94	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-15.20	-0.0042	>=-2.5 & <=2.5	Pass
			20	LV	-2.97	-0.0008	>=-2.5 & <=2.5	Pass
				HV	4.38	0.0012	>=-2.5 & <=2.5	Pass
		Outer_Full	-30	NV	-2.76	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	0.34	0.0001	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-4.05	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-4.81	-0.0013	>=-2.5 & <=2.5	Pass

			20	NV	-5.35	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-10.29	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-5.38	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-15.81	-0.0044	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-7.82	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-3.13	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-5.05	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-8.94	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-17.82	-0.0049	>=-2.5 & <=2.5	Pass
			10	NV	-1.99	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-3.94	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-15.73	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-5.05	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-10.56	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-17.68	-0.0049	>=-2.5 & <=2.5	Pass
				HV	-1.08	-0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	-8.59	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	0.12	0.0000	>=-2.5 & <=2.5	Pass
			-10	NV	-2.18	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-2.49	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-3.29	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-19.32	-0.0053	>=-2.5 & <=2.5	Pass
			30	NV	-16.52	-0.0046	>=-2.5 & <=2.5	Pass
			40	NV	-4.06	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-10.57	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-8.54	-0.0024	>=-2.5 & <=2.5	Pass
				HV	4.40	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-4.17	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-10.75	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-1.98	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-9.06	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	4.83	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	4.36	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-10.50	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	7.46	0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-7.95	-0.0022	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30_S_10M_NTNV

5G NR n78f SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3455.01	Outer_Full	8.59	9.61	/	Pass
	3624.99	Outer_Full	8.60	9.70	/	Pass
	3795	Outer_Full	8.57	9.44	/	Pass
DFT-s-OFDM QPSK	3455.01	Outer_Full	8.62	9.58	/	Pass
	3624.99	Outer_Full	8.61	9.45	/	Pass
	3795	Outer_Full	8.55	9.11	/	Pass
DFT-s-OFDM 16 QAM	3455.01	Outer_Full	8.63	9.59	/	Pass
	3624.99	Outer_Full	8.56	9.42	/	Pass
	3795	Outer_Full	8.62	9.64	/	Pass
DFT-s-OFDM 64 QAM	3455.01	Outer_Full	8.63	9.90	/	Pass
	3624.99	Outer_Full	8.59	9.29	/	Pass
	3795	Outer_Full	8.59	9.52	/	Pass
DFT-s-OFDM 256 QAM	3455.01	Outer_Full	8.62	9.51	/	Pass
	3624.99	Outer_Full	8.57	9.82	/	Pass

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CP-OFDM QPSK	3795	Outer_Full	8.54	9.62	/	Pass
	3455.01	Outer_Full	8.59	9.93	/	Pass
	3624.99	Outer_Full	8.61	9.61	/	Pass
CP-OFDM 16 QAM	3795	Outer_Full	8.58	9.38	/	Pass
	3455.01	Outer_Full	8.62	9.90	/	Pass
	3624.99	Outer_Full	8.57	9.21	/	Pass
CP-OFDM 64 QAM	3795	Outer_Full	8.58	9.37	/	Pass
	3455.01	Outer_Full	8.59	9.78	/	Pass
	3624.99	Outer_Full	8.57	9.25	/	Pass
CP-OFDM 256 QAM	3795	Outer_Full	8.58	9.32	/	Pass
	3455.01	Outer_Full	8.60	9.60	/	Pass
	3624.99	Outer_Full	8.57	9.62	/	Pass
	3795	Outer_Full	8.58	9.77	/	Pass

3.1.2 30_S_20M_NTNV

5G NR n78f 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	17.89	19.22	/	Pass
	3624.99	Outer_Full	17.77	18.85	/	Pass
	3789.99	Outer_Full	17.80	18.72	/	Pass
DFT-s-OFDM QPSK	3460.02	Outer_Full	17.81	19.24	/	Pass
	3624.99	Outer_Full	17.74	18.57	/	Pass
	3789.99	Outer_Full	17.82	19.06	/	Pass
DFT-s-OFDM 16 QAM	3460.02	Outer_Full	17.84	19.31	/	Pass
	3624.99	Outer_Full	17.70	18.54	/	Pass
	3789.99	Outer_Full	17.82	18.97	/	Pass
DFT-s-OFDM 64 QAM	3460.02	Outer_Full	17.82	19.14	/	Pass
	3624.99	Outer_Full	17.72	18.67	/	Pass
	3789.99	Outer_Full	17.83	18.95	/	Pass
DFT-s-OFDM 256 QAM	3460.02	Outer_Full	17.79	19.31	/	Pass
	3624.99	Outer_Full	17.87	18.81	/	Pass
	3789.99	Outer_Full	17.69	18.68	/	Pass
CP-OFDM QPSK	3460.02	Outer_Full	18.20	19.49	/	Pass
	3624.99	Outer_Full	18.22	18.93	/	Pass
	3789.99	Outer_Full	18.19	18.87	/	Pass
CP-OFDM 16 QAM	3460.02	Outer_Full	18.27	19.75	/	Pass
	3624.99	Outer_Full	18.21	19.02	/	Pass
	3789.99	Outer_Full	18.26	18.91	/	Pass
CP-OFDM 64 QAM	3460.02	Outer_Full	18.24	19.84	/	Pass
	3624.99	Outer_Full	18.17	19.55	/	Pass
	3789.99	Outer_Full	18.31	18.79	/	Pass
CP-OFDM 256 QAM	3460.02	Outer_Full	18.25	19.40	/	Pass
	3624.99	Outer_Full	18.10	18.83	/	Pass
	3789.99	Outer_Full	18.24	19.30	/	Pass

3.1.3 30_S_30M_NTNV

5G NR n78f 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	26.85	28.49	/	Pass
	3624.99	Outer_Full	26.86	27.95	/	Pass
	3784.98	Outer_Full	26.90	27.65	/	Pass
DFT-s-OFDM QPSK	3465	Outer_Full	26.83	28.66	/	Pass
	3624.99	Outer_Full	26.83	27.74	/	Pass
	3784.98	Outer_Full	26.81	28.00	/	Pass
DFT-s-OFDM 16 QAM	3465	Outer_Full	26.83	28.46	/	Pass
	3624.99	Outer_Full	26.93	27.88	/	Pass
	3784.98	Outer_Full	26.63	27.53	/	Pass

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DFT-s-OFDM 64 QAM	3465	Outer_Full	26.82	28.39	/	Pass
	3624.99	Outer_Full	26.77	27.73	/	Pass
	3784.98	Outer_Full	26.88	27.71	/	Pass
DFT-s-OFDM 256 QAM	3465	Outer_Full	26.80	28.21	/	Pass
	3624.99	Outer_Full	26.79	27.94	/	Pass
	3784.98	Outer_Full	26.87	28.03	/	Pass
CP-OFDM QPSK	3465	Outer_Full	27.83	29.63	/	Pass
	3624.99	Outer_Full	27.82	29.03	/	Pass
	3784.98	Outer_Full	27.75	29.09	/	Pass
CP-OFDM 16 QAM	3465	Outer_Full	27.91	29.77	/	Pass
	3624.99	Outer_Full	27.84	29.46	/	Pass
	3784.98	Outer_Full	27.77	28.70	/	Pass
CP-OFDM 64 QAM	3465	Outer_Full	27.84	29.62	/	Pass
	3624.99	Outer_Full	27.80	29.19	/	Pass
	3784.98	Outer_Full	27.92	28.85	/	Pass
CP-OFDM 256 QAM	3465	Outer_Full	27.86	29.54	/	Pass
	3624.99	Outer_Full	28.02	29.16	/	Pass
	3784.98	Outer_Full	28.01	29.22	/	Pass

3.1.4 30_S_40M_NTNV

5G NR n78f SCS=30kHz SISO 40MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3470.01	Outer_Full	35.95	38.49	/	Pass
	3624.99	Outer_Full	35.82	38.50	/	Pass
	3780	Outer_Full	35.88	38.42	/	Pass
DFT-s-OFDM QPSK	3470.01	Outer_Full	35.92	38.44	/	Pass
	3624.99	Outer_Full	35.94	38.19	/	Pass
	3780	Outer_Full	36.08	38.47	/	Pass
DFT-s-OFDM 16 QAM	3470.01	Outer_Full	36.05	38.91	/	Pass
	3624.99	Outer_Full	36.05	38.04	/	Pass
	3780	Outer_Full	36.10	38.73	/	Pass
DFT-s-OFDM 64 QAM	3470.01	Outer_Full	35.97	38.31	/	Pass
	3624.99	Outer_Full	36.02	37.98	/	Pass
	3780	Outer_Full	36.10	38.07	/	Pass
DFT-s-OFDM 256 QAM	3470.01	Outer_Full	35.98	38.66	/	Pass
	3624.99	Outer_Full	35.64	38.13	/	Pass
	3780	Outer_Full	36.13	38.24	/	Pass
CP-OFDM QPSK	3470.01	Outer_Full	38.15	40.88	/	Pass
	3624.99	Outer_Full	38.02	40.08	/	Pass
	3780	Outer_Full	37.98	40.27	/	Pass
CP-OFDM 16 QAM	3470.01	Outer_Full	38.14	40.73	/	Pass
	3624.99	Outer_Full	37.95	40.52	/	Pass
	3780	Outer_Full	38.23	40.19	/	Pass
CP-OFDM 64 QAM	3470.01	Outer_Full	38.01	40.60	/	Pass
	3624.99	Outer_Full	38.29	40.49	/	Pass
	3780	Outer_Full	38.06	40.09	/	Pass
CP-OFDM 256 QAM	3470.01	Outer_Full	38.08	40.80	/	Pass
	3624.99	Outer_Full	38.00	40.23	/	Pass
	3780	Outer_Full	38.88	39.95	/	Pass

3.1.5 30_S_50M_NTNV

5G NR n78f SCS=30kHz SISO 50MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3475.02	Outer_Full	45.92	48.61	/	Pass
	3624.99	Outer_Full	45.78	48.22	/	Pass
	3774.99	Outer_Full	45.76	48.15	/	Pass
DFT-s-OFDM QPSK	3475.02	Outer_Full	45.91	48.42	/	Pass

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	3624.99	Outer_Full	45.89	48.05	/	Pass
	3774.99	Outer_Full	45.96	48.19	/	Pass
	3475.02	Outer_Full	45.94	48.58	/	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	46.06	48.76	/	Pass
	3774.99	Outer_Full	46.17	48.04	/	Pass
	3475.02	Outer_Full	45.95	48.51	/	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	45.96	48.11	/	Pass
	3774.99	Outer_Full	45.85	48.10	/	Pass
	3475.02	Outer_Full	45.90	48.56	/	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	45.81	48.21	/	Pass
	3774.99	Outer_Full	46.04	48.17	/	Pass
	3475.02	Outer_Full	47.70	50.28	/	Pass
CP-OFDM QPSK	3624.99	Outer_Full	47.63	50.37	/	Pass
	3774.99	Outer_Full	47.84	49.99	/	Pass
	3475.02	Outer_Full	47.68	50.49	/	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	47.71	50.04	/	Pass
	3774.99	Outer_Full	47.47	49.92	/	Pass
	3475.02	Outer_Full	47.61	50.51	/	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	47.43	50.05	/	Pass
	3774.99	Outer_Full	47.62	49.67	/	Pass
	3475.02	Outer_Full	47.60	50.50	/	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	47.45	49.77	/	Pass
	3774.99	Outer_Full	47.59	50.07	/	Pass

3.1.6 30_S_60M_NTNV

5G NR n78f 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	57.94	60.71	/	Pass
	3624.99	Outer_Full	58.02	60.45	/	Pass
	3769.98	Outer_Full	57.80	60.38	/	Pass
DFT-s-OFDM QPSK	3480	Outer_Full	57.94	61.05	/	Pass
	3624.99	Outer_Full	57.98	60.43	/	Pass
	3769.98	Outer_Full	57.98	60.57	/	Pass
DFT-s-OFDM 16 QAM	3480	Outer_Full	57.93	60.86	/	Pass
	3624.99	Outer_Full	58.00	60.37	/	Pass
	3769.98	Outer_Full	58.29	60.56	/	Pass
DFT-s-OFDM 64 QAM	3480	Outer_Full	57.89	61.13	/	Pass
	3624.99	Outer_Full	57.69	60.29	/	Pass
	3769.98	Outer_Full	57.93	60.43	/	Pass
DFT-s-OFDM 256 QAM	3480	Outer_Full	57.97	60.70	/	Pass
	3624.99	Outer_Full	57.66	60.13	/	Pass
	3769.98	Outer_Full	57.88	60.52	/	Pass
CP-OFDM QPSK	3480	Outer_Full	58.01	60.82	/	Pass
	3624.99	Outer_Full	58.12	60.42	/	Pass
	3769.98	Outer_Full	57.93	60.40	/	Pass
CP-OFDM 16 QAM	3480	Outer_Full	58.05	60.79	/	Pass
	3624.99	Outer_Full	58.06	60.72	/	Pass
	3769.98	Outer_Full	57.86	60.43	/	Pass
CP-OFDM 64 QAM	3480	Outer_Full	57.85	60.56	/	Pass
	3624.99	Outer_Full	57.90	60.29	/	Pass
	3769.98	Outer_Full	57.75	60.49	/	Pass
CP-OFDM 256 QAM	3480	Outer_Full	57.97	60.72	/	Pass
	3624.99	Outer_Full	58.10	60.48	/	Pass
	3769.98	Outer_Full	57.93	60.33	/	Pass

3.1.7 30_S_70M_NTNV

5G NR n78f SCS=30kHz SISO 70MHz NTN						
Modulation	Frequency	RB	99% Bandwidth	26dB Bandwidth	Limit	Verdict

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	(MHz)	Allocation	(MHz)	(MHz)	(MHz)	
DFT-s-OFDM PI/2 BPSK	3485.01	Outer_Full	64.38	67.42	/	Pass
	3624.99	Outer_Full	64.59	67.00	/	Pass
	3765	Outer_Full	64.52	66.99	/	Pass
DFT-s-OFDM QPSK	3485.01	Outer_Full	64.39	67.43	/	Pass
	3624.99	Outer_Full	64.28	67.05	/	Pass
	3765	Outer_Full	63.98	66.97	/	Pass
DFT-s-OFDM 16 QAM	3485.01	Outer_Full	64.26	67.18	/	Pass
	3624.99	Outer_Full	64.37	66.89	/	Pass
	3765	Outer_Full	64.42	66.80	/	Pass
DFT-s-OFDM 64 QAM	3485.01	Outer_Full	64.47	67.32	/	Pass
	3624.99	Outer_Full	64.58	67.04	/	Pass
	3765	Outer_Full	64.13	66.93	/	Pass
DFT-s-OFDM 256 QAM	3485.01	Outer_Full	64.39	67.25	/	Pass
	3624.99	Outer_Full	64.68	66.88	/	Pass
	3765	Outer_Full	64.10	66.93	/	Pass
CP-OFDM QPSK	3485.01	Outer_Full	67.48	70.28	/	Pass
	3624.99	Outer_Full	67.71	70.09	/	Pass
	3765	Outer_Full	67.47	70.11	/	Pass
CP-OFDM 16 QAM	3485.01	Outer_Full	67.39	70.41	/	Pass
	3624.99	Outer_Full	67.12	70.11	/	Pass
	3765	Outer_Full	67.56	70.18	/	Pass
CP-OFDM 64 QAM	3485.01	Outer_Full	67.64	70.56	/	Pass
	3624.99	Outer_Full	67.74	70.42	/	Pass
	3765	Outer_Full	67.35	70.13	/	Pass
CP-OFDM 256 QAM	3485.01	Outer_Full	67.53	70.73	/	Pass
	3624.99	Outer_Full	67.83	70.09	/	Pass
	3765	Outer_Full	67.29	70.05	/	Pass

3.1.8 30_S_80M_NTNV

5G NR n78f SCS=30kHz SISO 80MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3490.02	Outer_Full	77.07	80.27	/	Pass
	3624.99	Outer_Full	77.06	80.06	/	Pass
	3759.99	Outer_Full	77.41	79.97	/	Pass
DFT-s-OFDM QPSK	3490.02	Outer_Full	77.19	80.28	/	Pass
	3624.99	Outer_Full	76.86	80.08	/	Pass
	3759.99	Outer_Full	77.33	79.88	/	Pass
DFT-s-OFDM 16 QAM	3490.02	Outer_Full	77.19	80.38	/	Pass
	3624.99	Outer_Full	77.38	80.17	/	Pass
	3759.99	Outer_Full	77.07	79.94	/	Pass
DFT-s-OFDM 64 QAM	3490.02	Outer_Full	77.16	80.17	/	Pass
	3624.99	Outer_Full	77.41	80.09	/	Pass
	3759.99	Outer_Full	77.00	79.91	/	Pass
DFT-s-OFDM 256 QAM	3490.02	Outer_Full	77.03	80.25	/	Pass
	3624.99	Outer_Full	76.94	80.27	/	Pass
	3759.99	Outer_Full	77.20	79.92	/	Pass
CP-OFDM QPSK	3490.02	Outer_Full	77.58	80.39	/	Pass
	3624.99	Outer_Full	77.51	80.27	/	Pass
	3759.99	Outer_Full	77.61	80.14	/	Pass
CP-OFDM 16 QAM	3490.02	Outer_Full	77.63	80.93	/	Pass
	3624.99	Outer_Full	77.48	80.30	/	Pass
	3759.99	Outer_Full	77.18	80.42	/	Pass
CP-OFDM 64 QAM	3490.02	Outer_Full	77.52	80.53	/	Pass
	3624.99	Outer_Full	77.39	80.33	/	Pass
	3759.99	Outer_Full	77.46	80.27	/	Pass
CP-OFDM 256 QAM	3490.02	Outer_Full	77.51	80.65	/	Pass
	3624.99	Outer_Full	77.07	80.07	/	Pass
	3759.99	Outer_Full	77.38	80.05	/	Pass

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3.1.9 30_S_90M_NTNV

5G NR n78f 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	86.48	89.63	/	Pass
	3624.99	Outer_Full	86.88	89.63	/	Pass
	3754.98	Outer_Full	86.78	89.47	/	Pass
DFT-s-OFDM QPSK	3495	Outer_Full	87.07	89.66	/	Pass
	3624.99	Outer_Full	86.88	89.65	/	Pass
	3754.98	Outer_Full	86.76	90.11	/	Pass
DFT-s-OFDM 16 QAM	3495	Outer_Full	86.70	89.91	/	Pass
	3624.99	Outer_Full	86.74	89.66	/	Pass
	3754.98	Outer_Full	86.75	89.61	/	Pass
DFT-s-OFDM 64 QAM	3495	Outer_Full	86.80	89.66	/	Pass
	3624.99	Outer_Full	86.88	89.52	/	Pass
	3754.98	Outer_Full	86.92	89.79	/	Pass
DFT-s-OFDM 256 QAM	3495	Outer_Full	86.83	89.81	/	Pass
	3624.99	Outer_Full	86.71	89.93	/	Pass
	3754.98	Outer_Full	86.72	89.67	/	Pass
CP-OFDM QPSK	3495	Outer_Full	87.50	90.22	/	Pass
	3624.99	Outer_Full	87.41	90.35	/	Pass
	3754.98	Outer_Full	87.84	90.38	/	Pass
CP-OFDM 16 QAM	3495	Outer_Full	87.57	90.39	/	Pass
	3624.99	Outer_Full	87.56	90.71	/	Pass
	3754.98	Outer_Full	87.53	90.29	/	Pass
CP-OFDM 64 QAM	3495	Outer_Full	87.59	90.44	/	Pass
	3624.99	Outer_Full	87.55	90.45	/	Pass
	3754.98	Outer_Full	87.30	90.39	/	Pass
CP-OFDM 256 QAM	3495	Outer_Full	87.46	90.56	/	Pass
	3624.99	Outer_Full	87.83	90.46	/	Pass
	3754.98	Outer_Full	87.48	90.46	/	Pass

3.1.10 30_S_100M_NTNV

5G NR n78f 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	95.96	99.39	/	Pass
	3624.99	Outer_Full	96.71	99.57	/	Pass
	3750	Outer_Full	96.65	99.75	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	95.78	99.45	/	Pass
	3624.99	Outer_Full	96.67	99.45	/	Pass
	3750	Outer_Full	96.42	99.43	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	96.60	99.19	/	Pass
	3624.99	Outer_Full	96.33	99.43	/	Pass
	3750	Outer_Full	96.19	99.08	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	96.38	99.47	/	Pass
	3624.99	Outer_Full	96.42	99.64	/	Pass
	3750	Outer_Full	96.53	99.50	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	96.31	99.39	/	Pass
	3624.99	Outer_Full	96.52	99.50	/	Pass
	3750	Outer_Full	96.71	99.65	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	97.31	102.74	/	Pass
	3624.99	Outer_Full	97.80	102.42	/	Pass
	3750	Outer_Full	98.01	102.59	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	97.89	102.54	/	Pass
	3624.99	Outer_Full	97.64	102.76	/	Pass
	3750	Outer_Full	97.55	102.31	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	97.35	101.91	/	Pass
	3624.99	Outer_Full	97.78	102.38	/	Pass

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	3750	Outer_Full	97.80	102.54	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	97.70	102.42	/	Pass
	3624.99	Outer_Full	97.81	102.40	/	Pass
	3750	Outer_Full	98.22	102.50	/	Pass

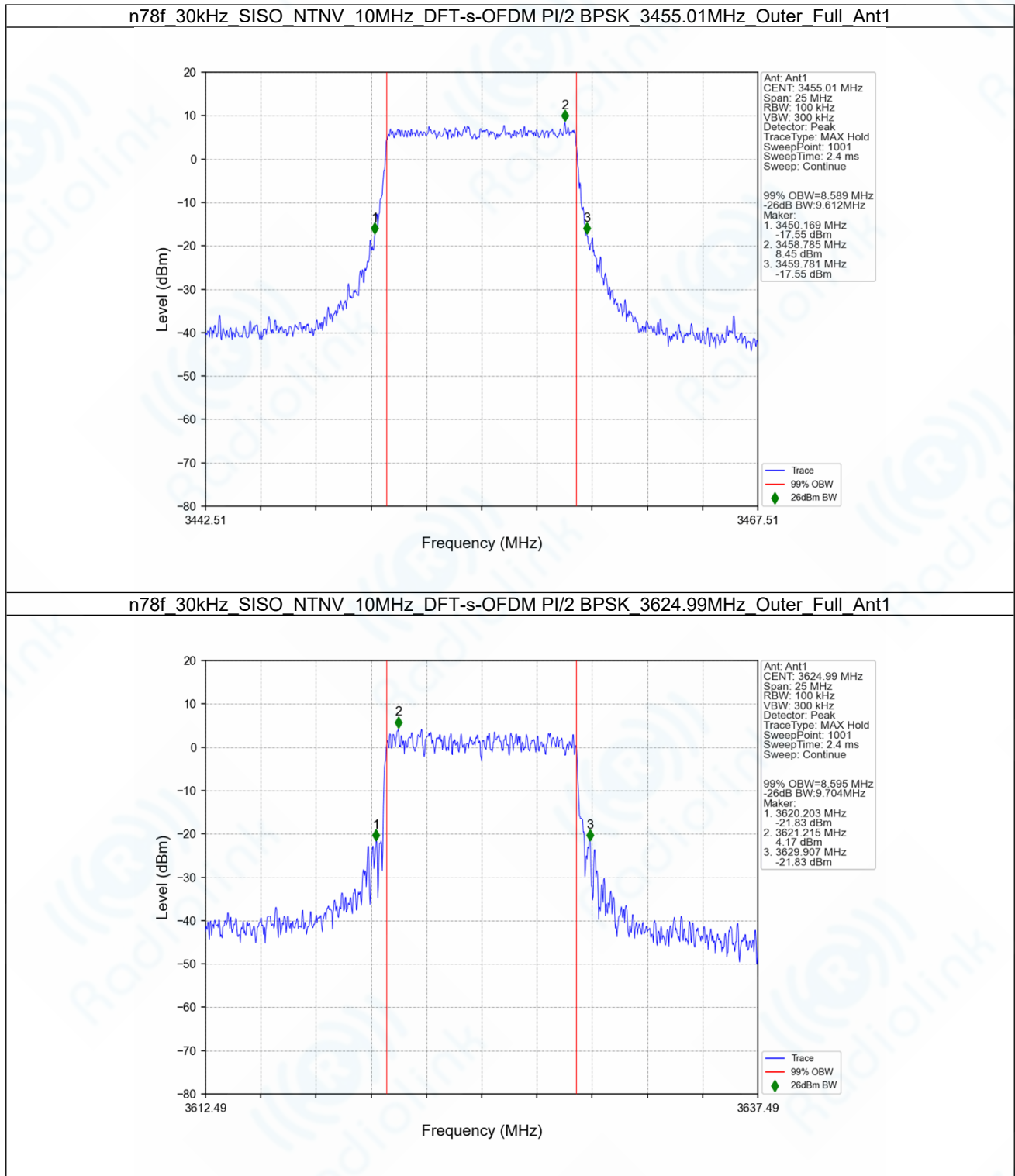


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3.2 Test Graph

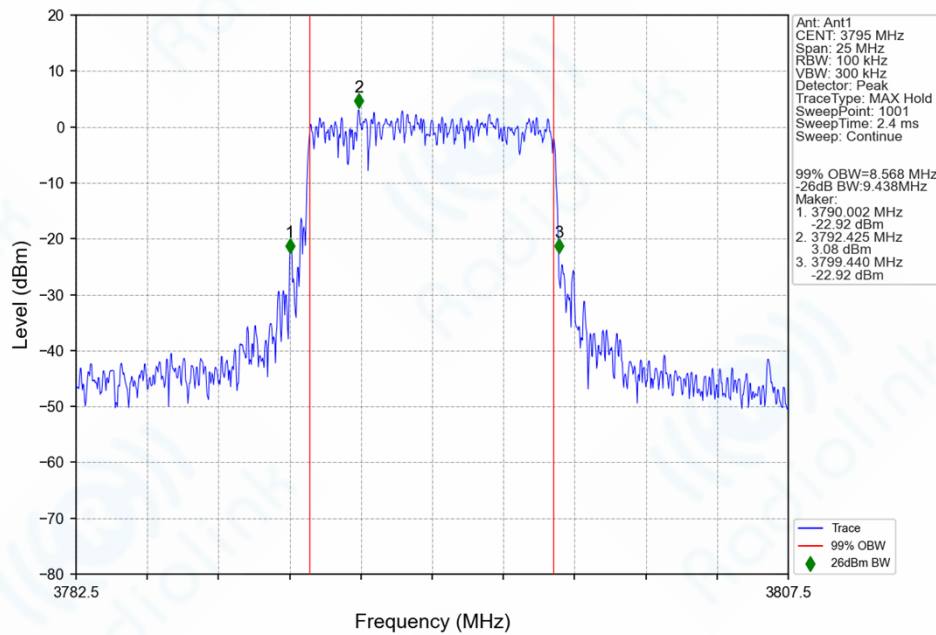
3.2.1 30_S_10M_NTNV



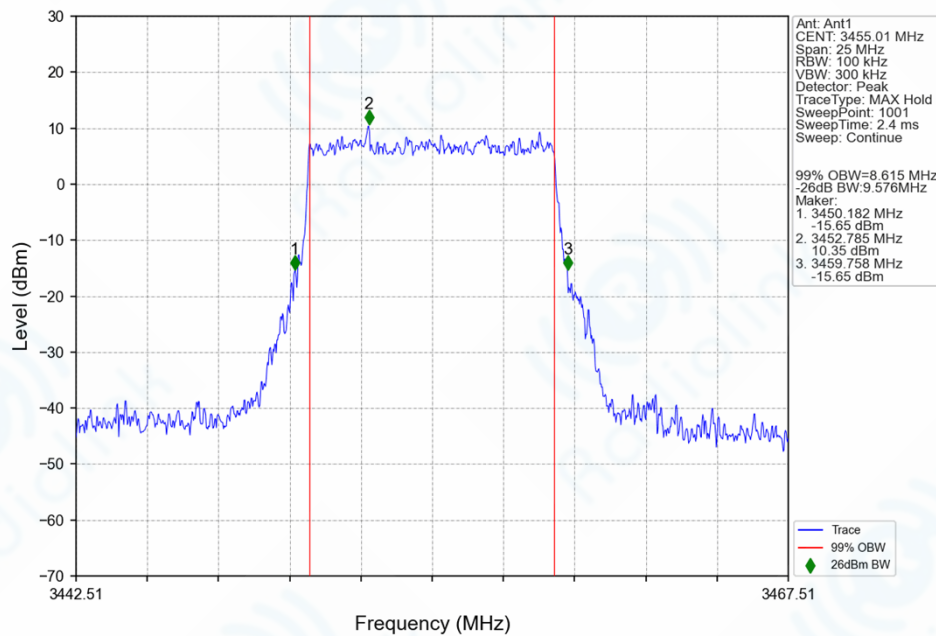
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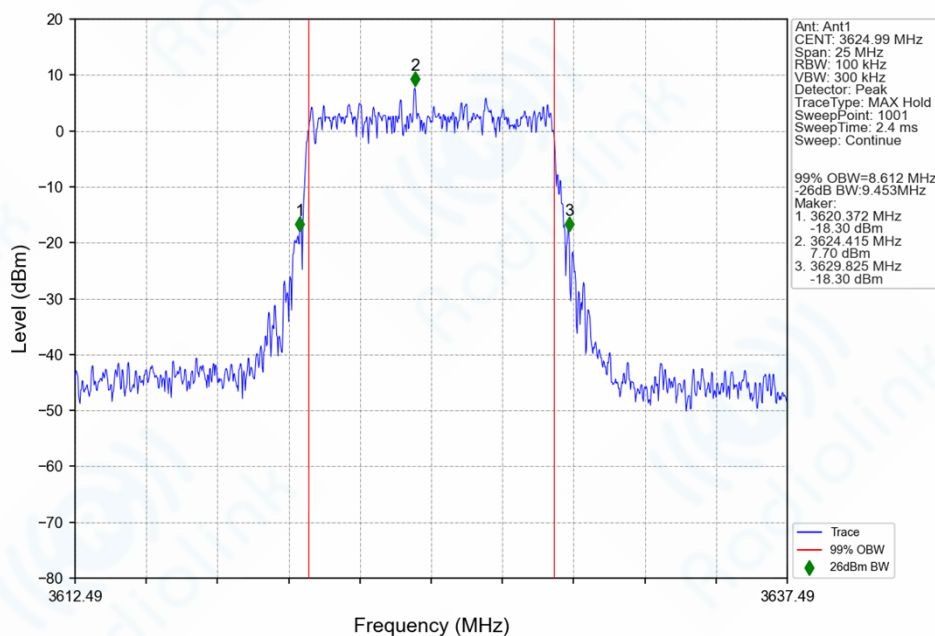
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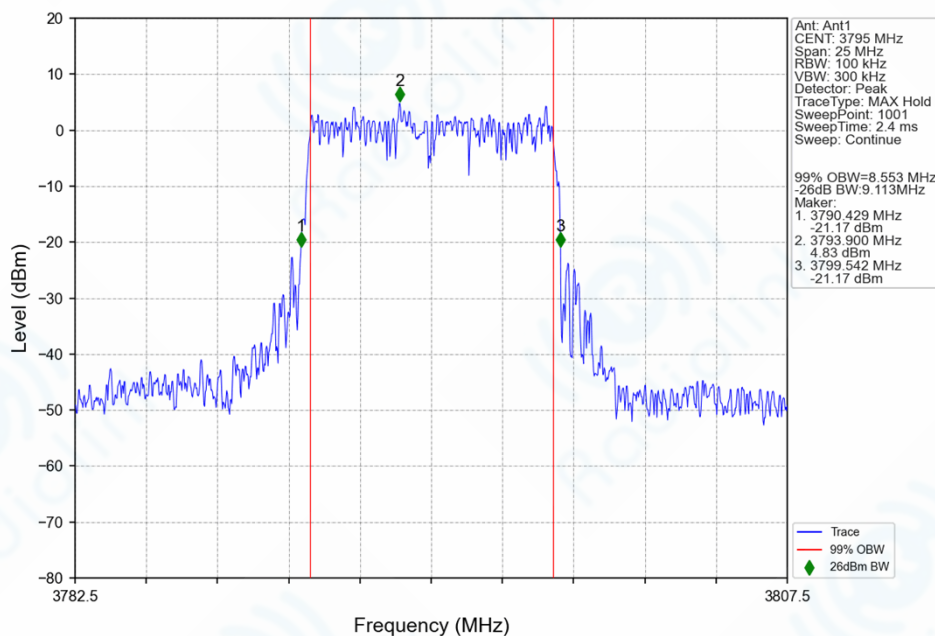
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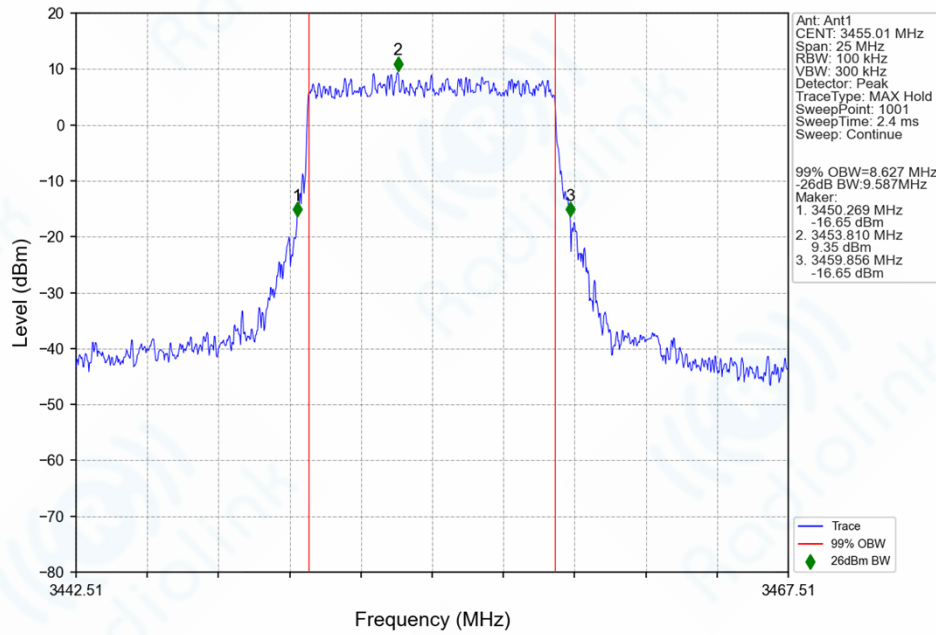
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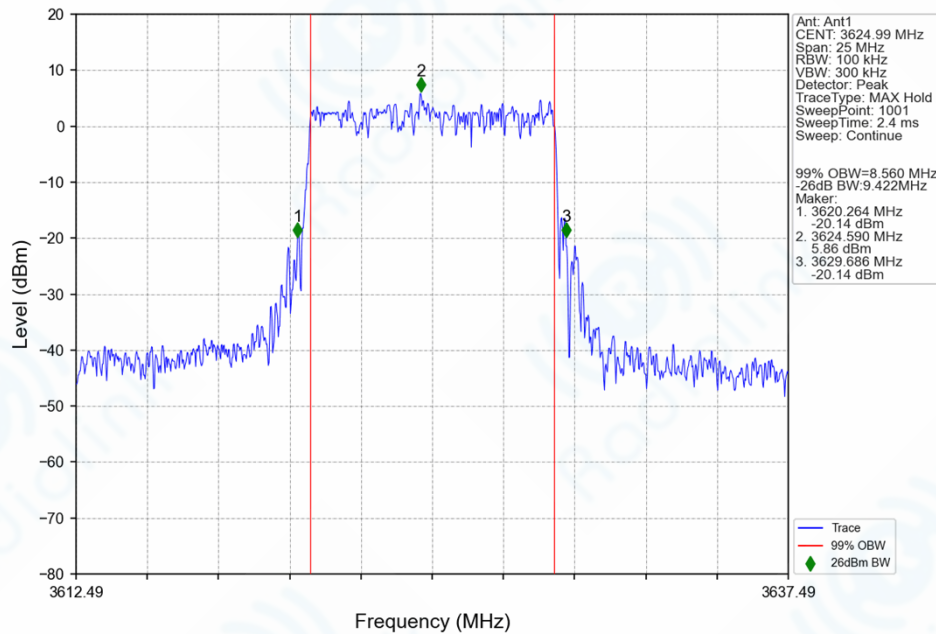
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n78f_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3455.01MHz_Outer_Full_Ant1



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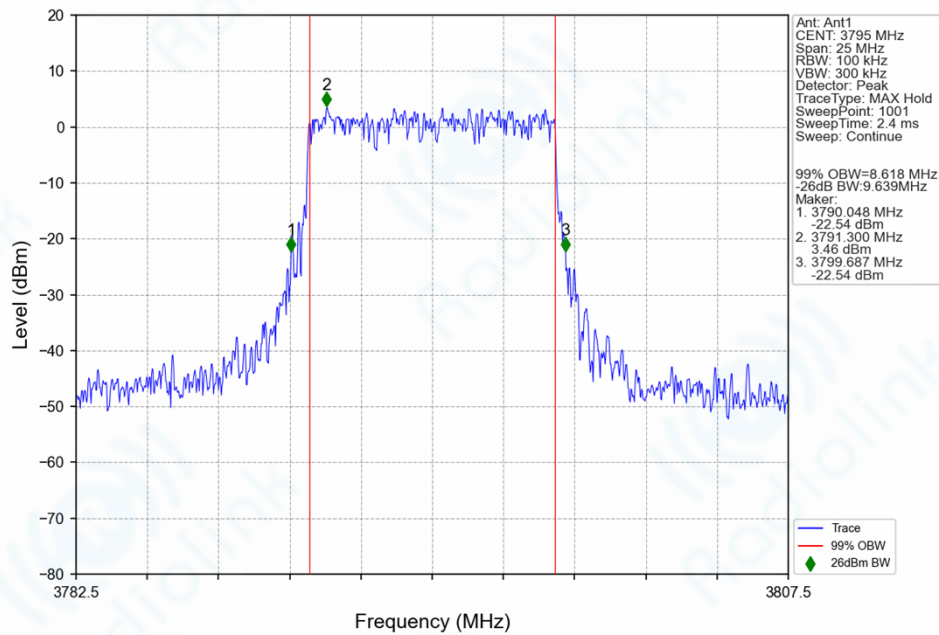


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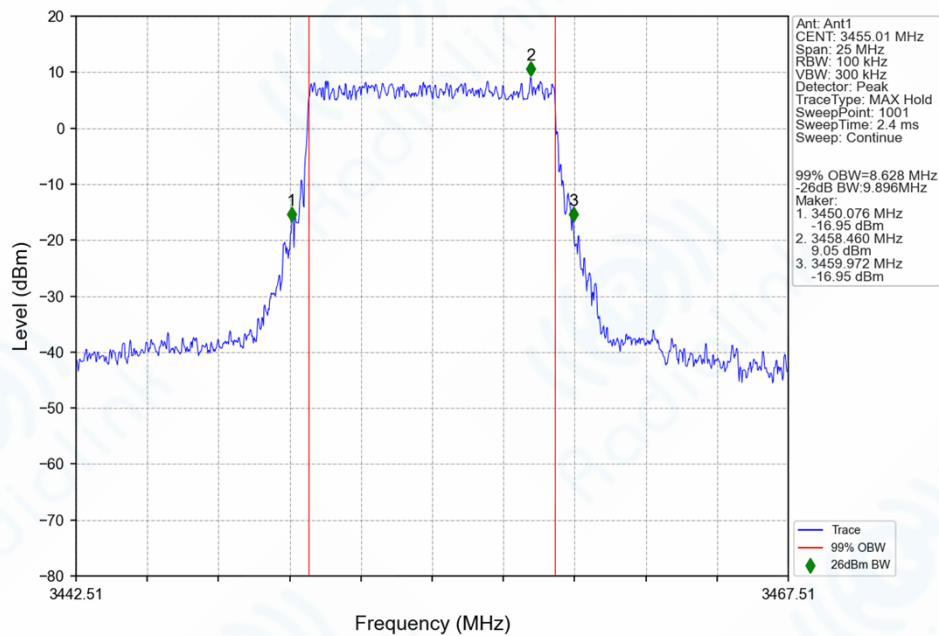
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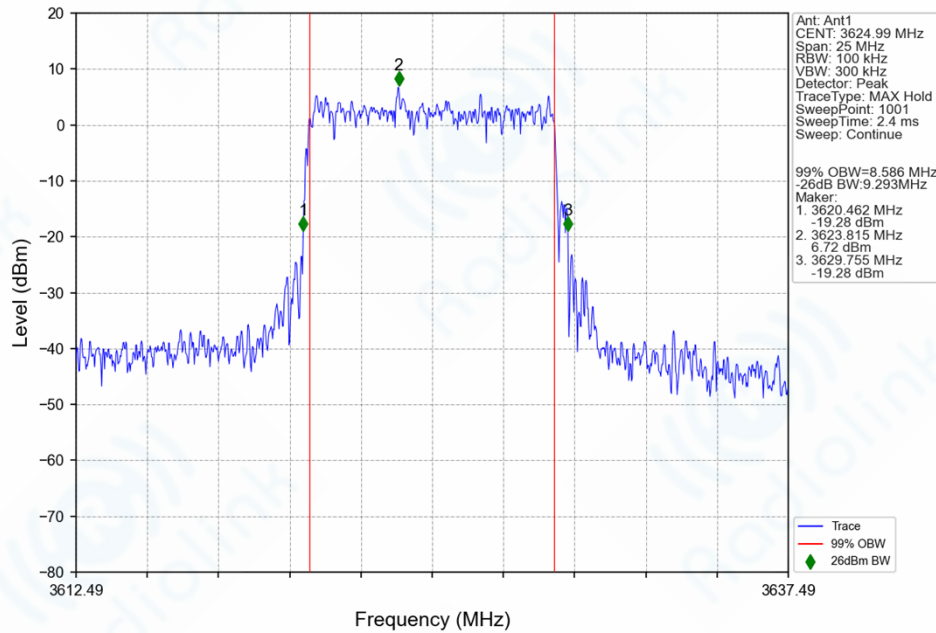
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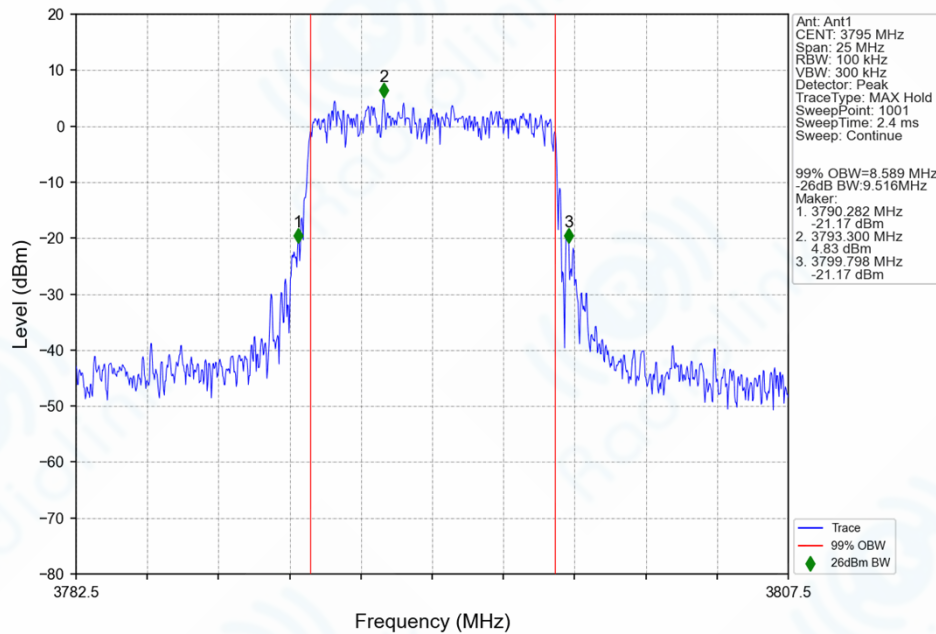
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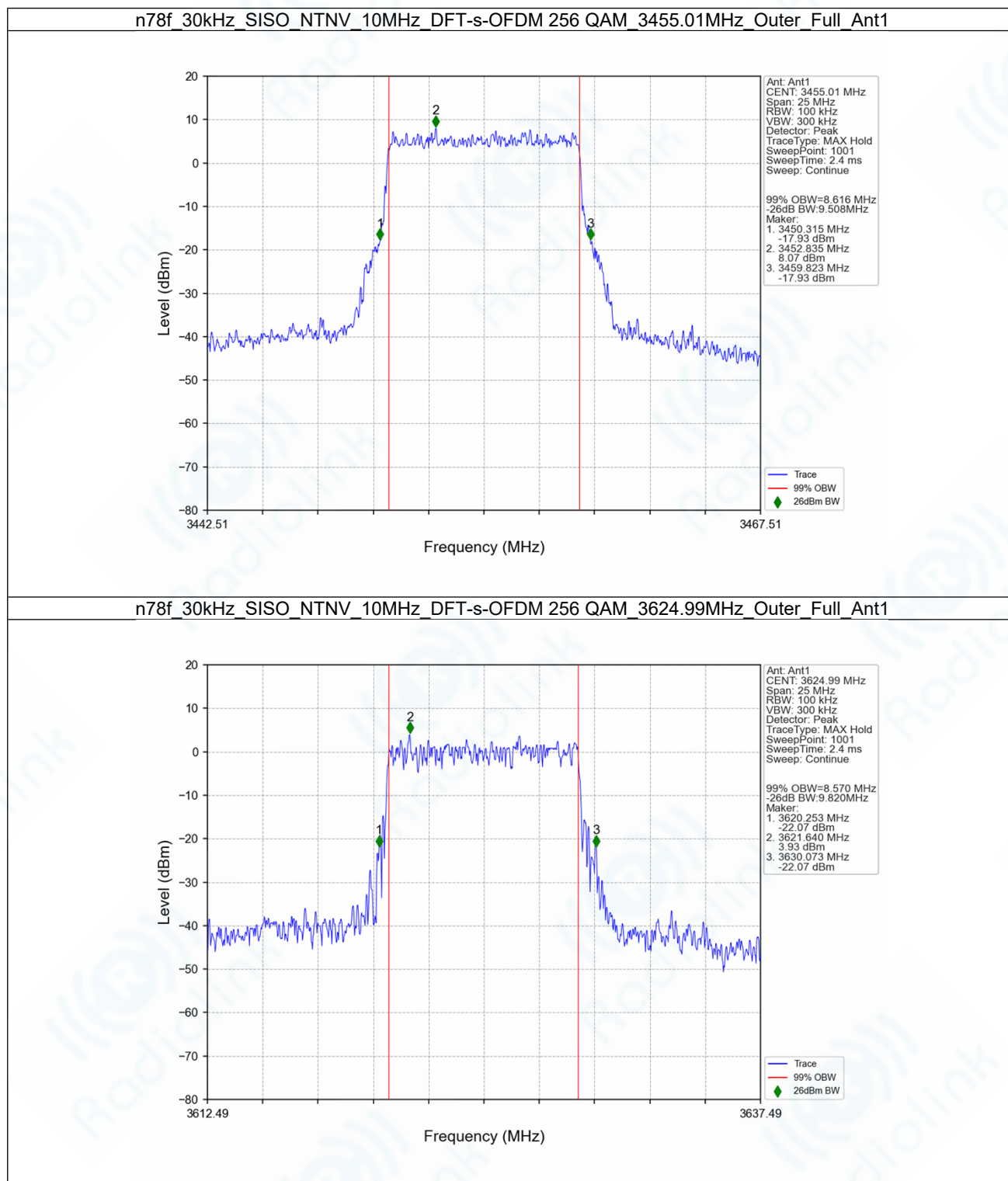


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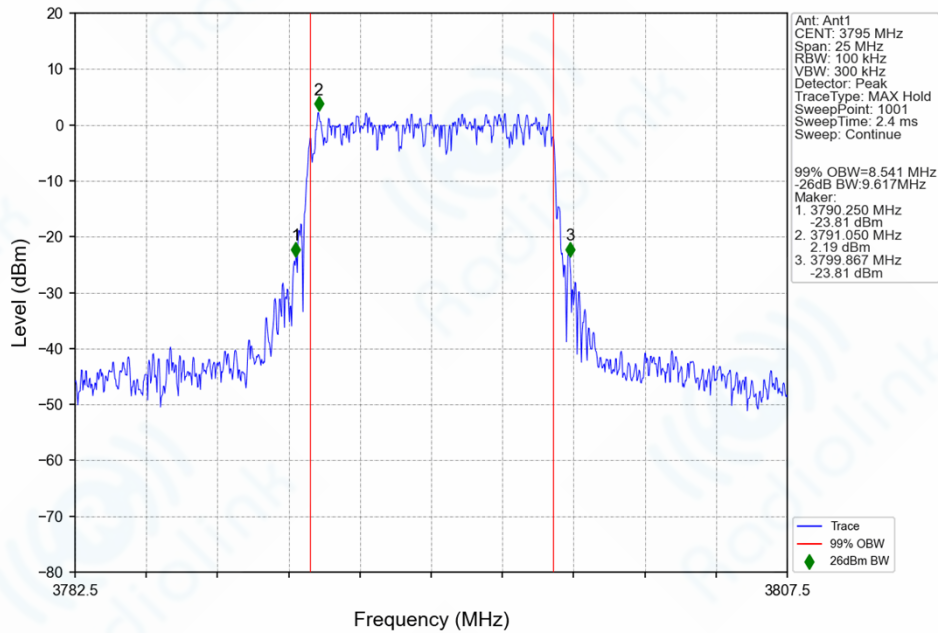
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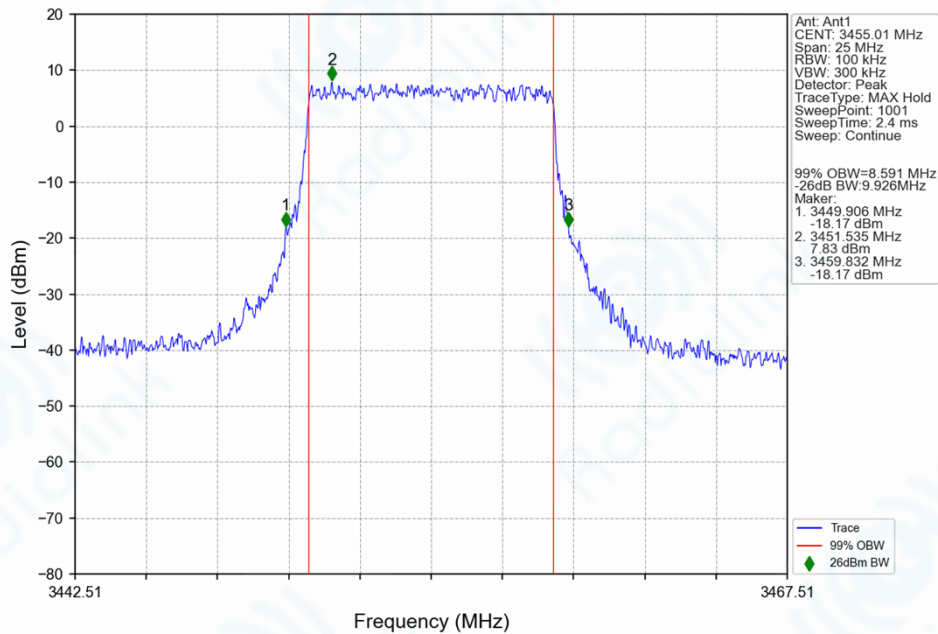
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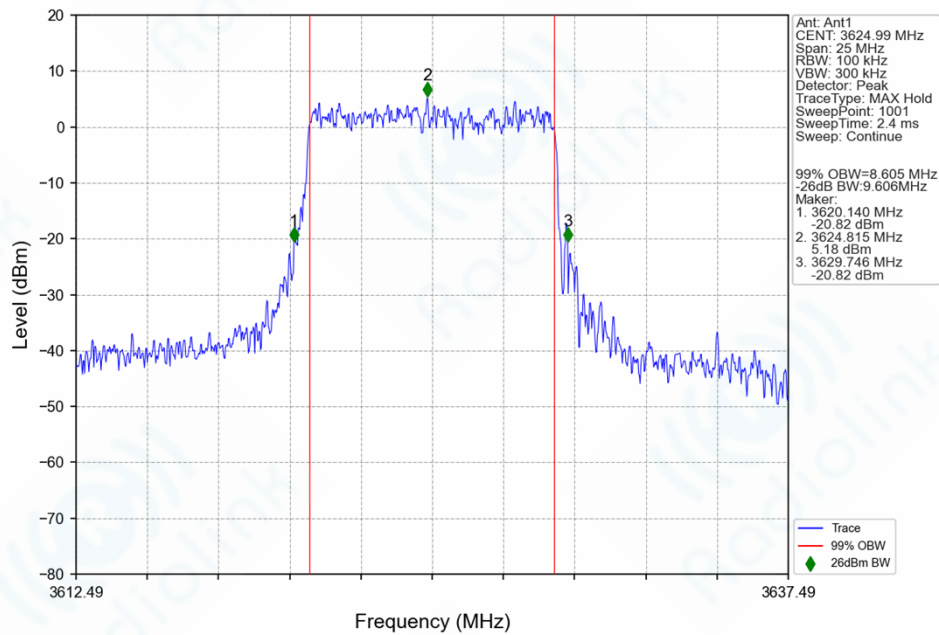
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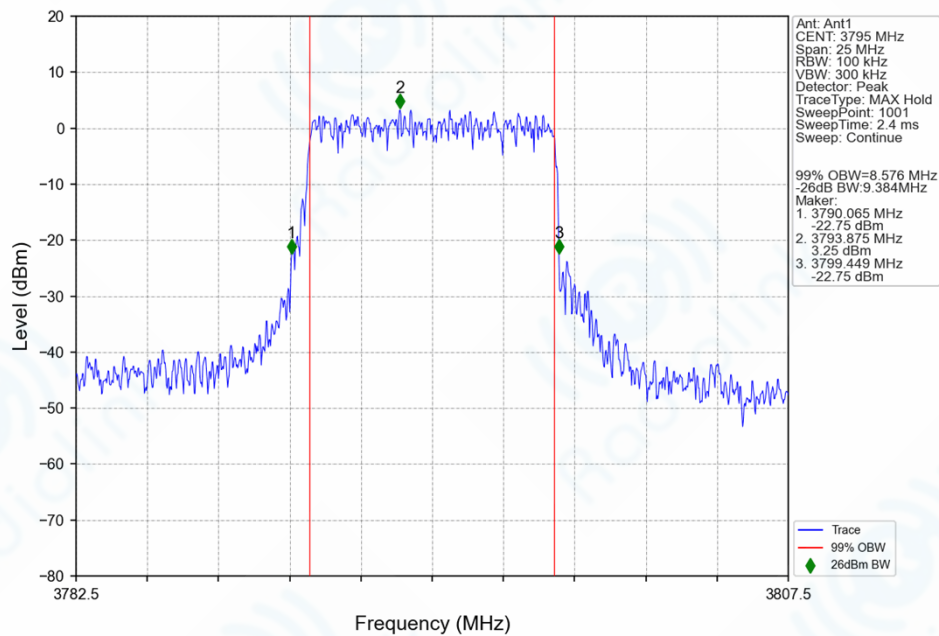
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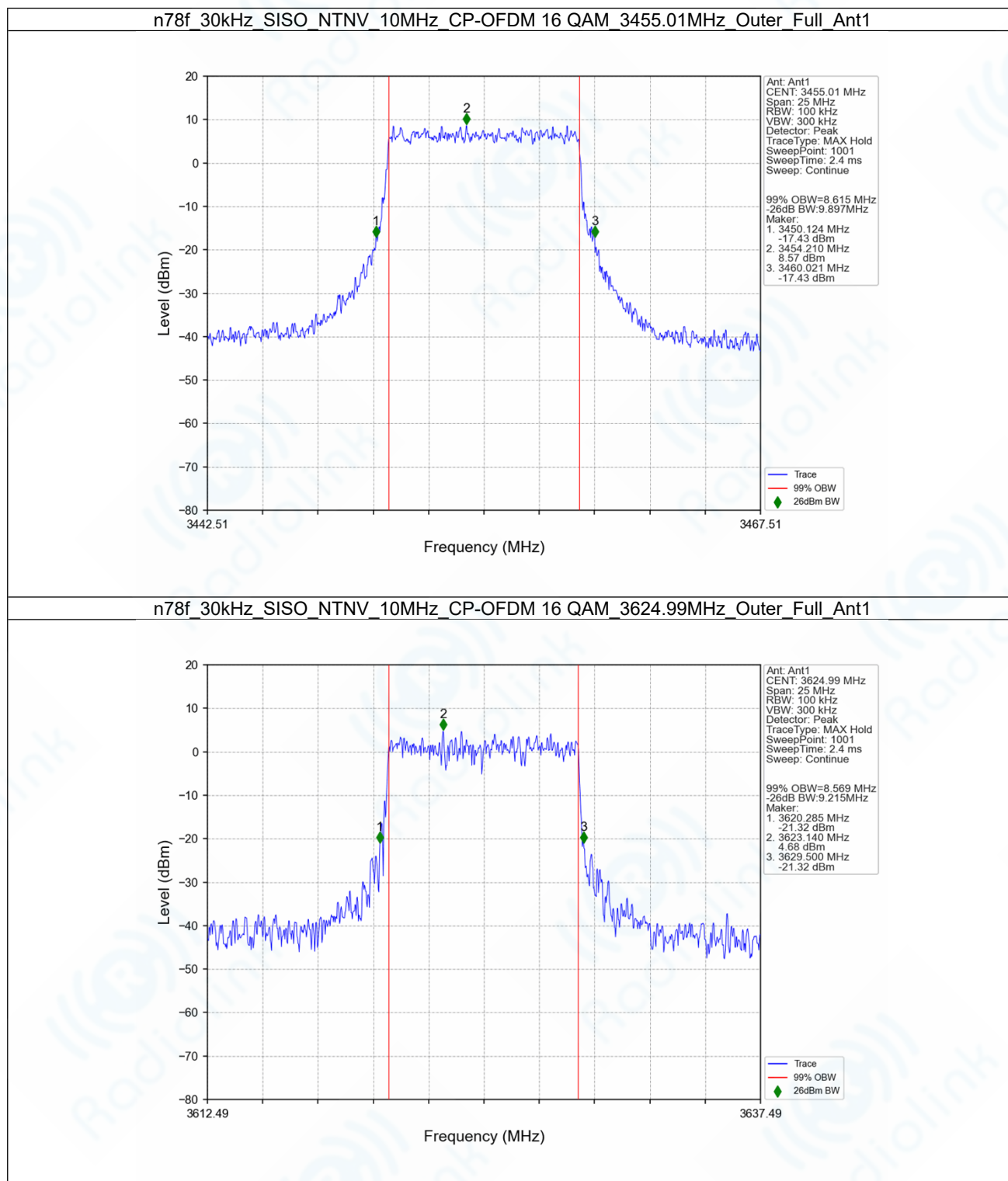
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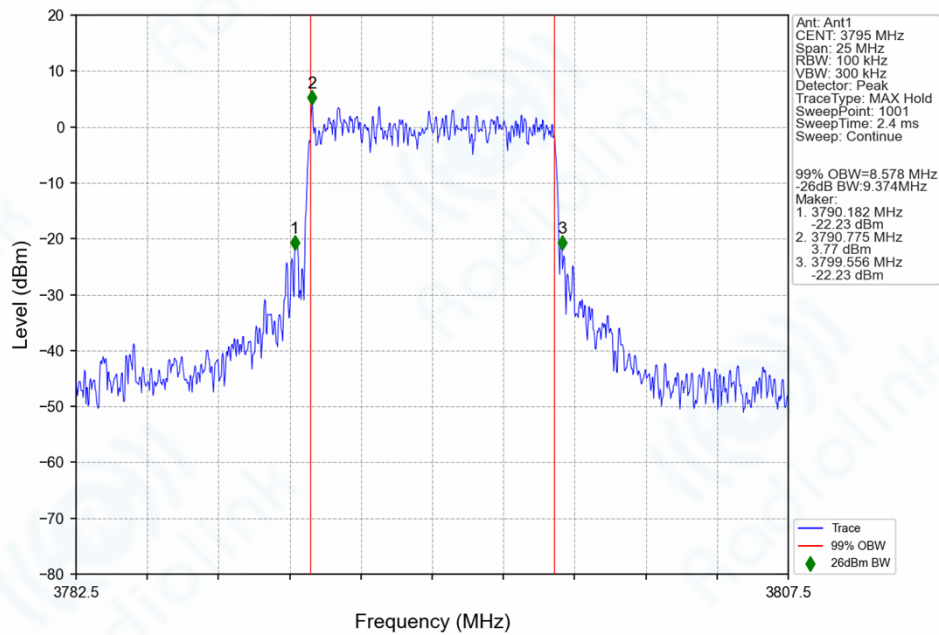

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n78f_30kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_3795MHz_Outer_Full_Ant1



n78f_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_3455.01MHz_Outer_Full_Ant1

