

Appendix B NR Band n38

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30_S_10M_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 10MHz 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	2575	Edge_1RB_Left	21.72	/	/	19.52	/	/	<=33.01	Pass
		Edge_1RB_Right	21.72	/	/	19.52	/	/	<=33.01	Pass
		Outer_Full	21.70	/	/	19.50	/	/	<=33.01	Pass
		Inner_Full	23.19	/	/	20.99	/	/	<=33.01	Pass
		Inner_1RB_Left	23.31	/	/	21.11	/	/	<=33.01	Pass
		Inner_1RB_Right	23.35	/	/	21.15	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.63	/	/	19.43	/	/	<=33.01	Pass
		Edge_1RB_Right	21.59	/	/	19.39	/	/	<=33.01	Pass
		Outer_Full	21.54	/	/	19.34	/	/	<=33.01	Pass
		Inner_Full	23.04	/	/	20.84	/	/	<=33.01	Pass
		Inner_1RB_Left	23.23	/	/	21.03	/	/	<=33.01	Pass
		Inner_1RB_Right	23.30	/	/	21.10	/	/	<=33.01	Pass
	2615	Edge_1RB_Left	21.56	/	/	19.36	/	/	<=33.01	Pass
		Edge_1RB_Right	21.56	/	/	19.36	/	/	<=33.01	Pass
		Outer_Full	21.47	/	/	19.27	/	/	<=33.01	Pass
		Inner_Full	22.99	/	/	20.79	/	/	<=33.01	Pass
		Inner_1RB_Left	23.30	/	/	21.10	/	/	<=33.01	Pass
		Inner_1RB_Right	23.26	/	/	21.06	/	/	<=33.01	Pass
DFT-s-OFDM QPSK	2575	Edge_1RB_Left	23.56	/	/	21.36	/	/	<=33.01	Pass
		Edge_1RB_Right	23.61	/	/	21.41	/	/	<=33.01	Pass
		Outer_Full	23.75	/	/	21.55	/	/	<=33.01	Pass
		Inner_Full	24.58	/	/	22.38	/	/	<=33.01	Pass
		Inner_1RB_Left	24.68	/	/	22.48	/	/	<=33.01	Pass
		Inner_1RB_Right	24.66	/	/	22.46	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	23.63	/	/	21.43	/	/	<=33.01	Pass
		Edge_1RB_Right	23.50	/	/	21.30	/	/	<=33.01	Pass
		Outer_Full	23.56	/	/	21.36	/	/	<=33.01	Pass
		Inner_Full	24.55	/	/	22.35	/	/	<=33.01	Pass
		Inner_1RB_Left	24.80	/	/	22.60	/	/	<=33.01	Pass
		Inner_1RB_Right	24.68	/	/	22.48	/	/	<=33.01	Pass
	2615	Edge_1RB_Left	23.60	/	/	21.40	/	/	<=33.01	Pass
		Edge_1RB_Right	23.54	/	/	21.34	/	/	<=33.01	Pass
		Outer_Full	23.63	/	/	21.43	/	/	<=33.01	Pass
		Inner_Full	24.49	/	/	22.29	/	/	<=33.01	Pass
		Inner_1RB_Left	24.67	/	/	22.47	/	/	<=33.01	Pass
		Inner_1RB_Right	24.59	/	/	22.39	/	/	<=33.01	Pass
DFT-s-OFDM 16 QAM	2575	Edge_1RB_Left	22.56	/	/	20.36	/	/	<=33.01	Pass
		Edge_1RB_Right	22.48	/	/	20.28	/	/	<=33.01	Pass
		Outer_Full	22.52	/	/	20.32	/	/	<=33.01	Pass
		Inner_Full	23.48	/	/	21.28	/	/	<=33.01	Pass
		Inner_1RB_Left	23.83	/	/	21.63	/	/	<=33.01	Pass
		Inner_1RB_Right	23.82	/	/	21.62	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	22.74	/	/	20.54	/	/	<=33.01	Pass
		Edge_1RB_Right	22.42	/	/	20.22	/	/	<=33.01	Pass
		Outer_Full	22.67	/	/	20.47	/	/	<=33.01	Pass
		Inner_Full	23.51	/	/	21.31	/	/	<=33.01	Pass

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		Inner_1RB_Left	23.85	/	/	21.65	/	/	<=33.01	Pass
		Inner_1RB_Right	23.65	/	/	21.45	/	/	<=33.01	Pass
	2615	Edge_1RB_Left	22.38	/	/	20.18	/	/	<=33.01	Pass
		Edge_1RB_Right	22.29	/	/	20.09	/	/	<=33.01	Pass
		Outer_Full	22.59	/	/	20.39	/	/	<=33.01	Pass
		Inner_Full	23.46	/	/	21.26	/	/	<=33.01	Pass
		Inner_1RB_Left	23.81	/	/	21.61	/	/	<=33.01	Pass
		Inner_1RB_Right	23.70	/	/	21.50	/	/	<=33.01	Pass
DFT-s-OFDM 64 QAM	2575	Edge_1RB_Left	22.06	/	/	19.86	/	/	<=33.01	Pass
		Edge_1RB_Right	22.02	/	/	19.82	/	/	<=33.01	Pass
		Outer_Full	22.05	/	/	19.85	/	/	<=33.01	Pass
		Inner_Full	22.04	/	/	19.84	/	/	<=33.01	Pass
		Inner_1RB_Left	22.09	/	/	19.89	/	/	<=33.01	Pass
		Inner_1RB_Right	22.17	/	/	19.97	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	22.05	/	/	19.85	/	/	<=33.01	Pass
		Edge_1RB_Right	21.95	/	/	19.75	/	/	<=33.01	Pass
		Outer_Full	22.04	/	/	19.84	/	/	<=33.01	Pass
		Inner_Full	22.02	/	/	19.82	/	/	<=33.01	Pass
		Inner_1RB_Left	22.08	/	/	19.88	/	/	<=33.01	Pass
		Inner_1RB_Right	21.96	/	/	19.76	/	/	<=33.01	Pass
	2615	Edge_1RB_Left	22.04	/	/	19.84	/	/	<=33.01	Pass
		Edge_1RB_Right	21.97	/	/	19.77	/	/	<=33.01	Pass
		Outer_Full	22.07	/	/	19.87	/	/	<=33.01	Pass
		Inner_Full	21.90	/	/	19.70	/	/	<=33.01	Pass
		Inner_1RB_Left	22.05	/	/	19.86	/	/	<=33.01	Pass
		Inner_1RB_Right	22.01	/	/	19.81	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2575	Edge_1RB_Left	19.96	/	/	17.76	/	/	<=33.01	Pass
		Edge_1RB_Right	19.96	/	/	17.76	/	/	<=33.01	Pass
		Outer_Full	20.15	/	/	17.95	/	/	<=33.01	Pass
		Inner_Full	20.08	/	/	17.88	/	/	<=33.01	Pass
		Inner_1RB_Left	19.99	/	/	17.79	/	/	<=33.01	Pass
		Inner_1RB_Right	20.00	/	/	17.81	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	20.02	/	/	17.82	/	/	<=33.01	Pass
		Edge_1RB_Right	19.92	/	/	17.72	/	/	<=33.01	Pass
		Outer_Full	20.15	/	/	17.95	/	/	<=33.01	Pass
		Inner_Full	20.04	/	/	17.84	/	/	<=33.01	Pass
		Inner_1RB_Left	20.05	/	/	17.85	/	/	<=33.01	Pass
		Inner_1RB_Right	20.03	/	/	17.83	/	/	<=33.01	Pass
	2615	Edge_1RB_Left	20.01	/	/	17.81	/	/	<=33.01	Pass
		Edge_1RB_Right	19.83	/	/	17.63	/	/	<=33.01	Pass
		Outer_Full	20.06	/	/	17.86	/	/	<=33.01	Pass
		Inner_Full	19.89	/	/	17.69	/	/	<=33.01	Pass
		Inner_1RB_Left	20.02	/	/	17.82	/	/	<=33.01	Pass
		Inner_1RB_Right	19.96	/	/	17.76	/	/	<=33.01	Pass
CP-OFDM QPSK	2575	Edge_1RB_Left	21.79	/	/	19.59	/	/	<=33.01	Pass
		Edge_1RB_Right	21.70	/	/	19.50	/	/	<=33.01	Pass
		Outer_Full	21.58	/	/	19.38	/	/	<=33.01	Pass
		Inner_Full	23.08	/	/	20.88	/	/	<=33.01	Pass
		Inner_1RB_Left	23.31	/	/	21.11	/	/	<=33.01	Pass
		Inner_1RB_Right	23.35	/	/	21.15	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.71	/	/	19.51	/	/	<=33.01	Pass
		Edge_1RB_Right	21.66	/	/	19.47	/	/	<=33.01	Pass
		Outer_Full	21.52	/	/	19.32	/	/	<=33.01	Pass
		Inner_Full	23.10	/	/	20.90	/	/	<=33.01	Pass
		Inner_1RB_Left	23.23	/	/	21.03	/	/	<=33.01	Pass
		Inner_1RB_Right	23.21	/	/	21.01	/	/	<=33.01	Pass
	2615	Edge_1RB_Left	21.59	/	/	19.40	/	/	<=33.01	Pass
		Edge_1RB_Right	21.61	/	/	19.41	/	/	<=33.01	Pass
		Outer_Full	21.47	/	/	19.27	/	/	<=33.01	Pass
		Inner_Full	23.01	/	/	20.81	/	/	<=33.01	Pass
		Inner_1RB_Left	23.16	/	/	20.96	/	/	<=33.01	Pass
		Inner_1RB_Right	23.12	/	/	20.92	/	/	<=33.01	Pass



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CP-OFDM 16 QAM	2575	Edge_1RB_Left	21.77	/	/	19.57	/	/	<=33.01	Pass
		Edge_1RB_Right	21.77	/	/	19.57	/	/	<=33.01	Pass
		Outer_Full	21.58	/	/	19.38	/	/	<=33.01	Pass
		Inner_Full	22.66	/	/	20.46	/	/	<=33.01	Pass
		Inner_1RB_Left	22.87	/	/	20.67	/	/	<=33.01	Pass
		Inner_1RB_Right	22.91	/	/	20.71	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.83	/	/	19.63	/	/	<=33.01	Pass
		Edge_1RB_Right	21.79	/	/	19.59	/	/	<=33.01	Pass
		Outer_Full	21.52	/	/	19.32	/	/	<=33.01	Pass
		Inner_Full	22.57	/	/	20.37	/	/	<=33.01	Pass
		Inner_1RB_Left	22.84	/	/	20.64	/	/	<=33.01	Pass
		Inner_1RB_Right	22.90	/	/	20.70	/	/	<=33.01	Pass
	2615	Edge_1RB_Left	21.76	/	/	19.56	/	/	<=33.01	Pass
		Edge_1RB_Right	21.66	/	/	19.46	/	/	<=33.01	Pass
		Outer_Full	21.56	/	/	19.36	/	/	<=33.01	Pass
		Inner_Full	22.51	/	/	20.31	/	/	<=33.01	Pass
		Inner_1RB_Left	22.80	/	/	20.60	/	/	<=33.01	Pass
		Inner_1RB_Right	22.84	/	/	20.64	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2575	Edge_1RB_Left	21.21	/	/	19.01	/	/	<=33.01	Pass
		Edge_1RB_Right	21.09	/	/	18.89	/	/	<=33.01	Pass
		Outer_Full	21.09	/	/	18.89	/	/	<=33.01	Pass
		Inner_Full	21.12	/	/	18.92	/	/	<=33.01	Pass
		Inner_1RB_Left	21.13	/	/	18.93	/	/	<=33.01	Pass
		Inner_1RB_Right	21.26	/	/	19.06	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.12	/	/	18.93	/	/	<=33.01	Pass
		Edge_1RB_Right	21.10	/	/	18.90	/	/	<=33.01	Pass
		Outer_Full	21.00	/	/	18.80	/	/	<=33.01	Pass
		Inner_Full	21.10	/	/	18.90	/	/	<=33.01	Pass
		Inner_1RB_Left	21.18	/	/	18.98	/	/	<=33.01	Pass
		Inner_1RB_Right	21.23	/	/	19.03	/	/	<=33.01	Pass
	2615	Edge_1RB_Left	21.13	/	/	18.93	/	/	<=33.01	Pass
		Edge_1RB_Right	21.11	/	/	18.91	/	/	<=33.01	Pass
		Outer_Full	21.04	/	/	18.84	/	/	<=33.01	Pass
		Inner_Full	20.97	/	/	18.77	/	/	<=33.01	Pass
		Inner_1RB_Left	21.16	/	/	18.96	/	/	<=33.01	Pass
		Inner_1RB_Right	21.16	/	/	18.96	/	/	<=33.01	Pass
CP-OFDM 256 QAM	2575	Edge_1RB_Left	17.99	/	/	15.79	/	/	<=33.01	Pass
		Edge_1RB_Right	17.88	/	/	15.68	/	/	<=33.01	Pass
		Outer_Full	18.14	/	/	15.95	/	/	<=33.01	Pass
		Inner_Full	18.11	/	/	15.91	/	/	<=33.01	Pass
		Inner_1RB_Left	17.91	/	/	15.71	/	/	<=33.01	Pass
		Inner_1RB_Right	17.92	/	/	15.72	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	17.95	/	/	15.75	/	/	<=33.01	Pass
		Edge_1RB_Right	17.87	/	/	15.67	/	/	<=33.01	Pass
		Outer_Full	18.04	/	/	15.84	/	/	<=33.01	Pass
		Inner_Full	17.98	/	/	15.78	/	/	<=33.01	Pass
		Inner_1RB_Left	18.00	/	/	15.80	/	/	<=33.01	Pass
		Inner_1RB_Right	17.89	/	/	15.69	/	/	<=33.01	Pass
	2615	Edge_1RB_Left	17.81	/	/	15.61	/	/	<=33.01	Pass
		Edge_1RB_Right	17.77	/	/	15.57	/	/	<=33.01	Pass
		Outer_Full	18.02	/	/	15.82	/	/	<=33.01	Pass
		Inner_Full	17.99	/	/	15.79	/	/	<=33.01	Pass
		Inner_1RB_Left	17.84	/	/	15.64	/	/	<=33.01	Pass
		Inner_1RB_Right	17.80	/	/	15.60	/	/	<=33.01	Pass
Note1: Antenna Gain: Ant1: -2.20dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 30_S_20M_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	

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DFT-s-OFDM PI/2 BPSK	2580	Edge_1RB_Left	21.53	/	/	19.33	/	/	<=33.01	Pass
		Edge_1RB_Right	21.47	/	/	19.27	/	/	<=33.01	Pass
		Outer_Full	21.72	/	/	19.52	/	/	<=33.01	Pass
		Inner_Full	23.01	/	/	20.81	/	/	<=33.01	Pass
		Inner_1RB_Left	23.27	/	/	21.07	/	/	<=33.01	Pass
		Inner_1RB_Right	23.20	/	/	21.00	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.66	/	/	19.46	/	/	<=33.01	Pass
		Edge_1RB_Right	21.57	/	/	19.37	/	/	<=33.01	Pass
		Outer_Full	21.74	/	/	19.54	/	/	<=33.01	Pass
		Inner_Full	23.16	/	/	20.96	/	/	<=33.01	Pass
		Inner_1RB_Left	23.10	/	/	20.90	/	/	<=33.01	Pass
		Inner_1RB_Right	23.12	/	/	20.92	/	/	<=33.01	Pass
	2610	Edge_1RB_Left	21.62	/	/	19.42	/	/	<=33.01	Pass
		Edge_1RB_Right	21.50	/	/	19.30	/	/	<=33.01	Pass
		Outer_Full	21.71	/	/	19.51	/	/	<=33.01	Pass
		Inner_Full	23.21	/	/	21.01	/	/	<=33.01	Pass
		Inner_1RB_Left	23.21	/	/	21.01	/	/	<=33.01	Pass
		Inner_1RB_Right	23.18	/	/	20.98	/	/	<=33.01	Pass
DFT-s-OFDM QPSK	2580	Edge_1RB_Left	23.55	/	/	21.35	/	/	<=33.01	Pass
		Edge_1RB_Right	23.41	/	/	21.22	/	/	<=33.01	Pass
		Outer_Full	23.67	/	/	21.47	/	/	<=33.01	Pass
		Inner_Full	24.74	/	/	22.54	/	/	<=33.01	Pass
		Inner_1RB_Left	24.51	/	/	22.31	/	/	<=33.01	Pass
		Inner_1RB_Right	24.49	/	/	22.29	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	23.61	/	/	21.41	/	/	<=33.01	Pass
		Edge_1RB_Right	23.41	/	/	21.21	/	/	<=33.01	Pass
		Outer_Full	23.76	/	/	21.56	/	/	<=33.01	Pass
		Inner_Full	24.69	/	/	22.49	/	/	<=33.01	Pass
		Inner_1RB_Left	24.61	/	/	22.41	/	/	<=33.01	Pass
		Inner_1RB_Right	24.43	/	/	22.23	/	/	<=33.01	Pass
	2610	Edge_1RB_Left	23.60	/	/	21.40	/	/	<=33.01	Pass
		Edge_1RB_Right	23.30	/	/	21.11	/	/	<=33.01	Pass
		Outer_Full	23.66	/	/	21.46	/	/	<=33.01	Pass
		Inner_Full	24.65	/	/	22.45	/	/	<=33.01	Pass
		Inner_1RB_Left	24.56	/	/	22.36	/	/	<=33.01	Pass
		Inner_1RB_Right	24.48	/	/	22.28	/	/	<=33.01	Pass
DFT-s-OFDM 16 QAM	2580	Edge_1RB_Left	22.44	/	/	20.24	/	/	<=33.01	Pass
		Edge_1RB_Right	22.66	/	/	20.46	/	/	<=33.01	Pass
		Outer_Full	22.58	/	/	20.38	/	/	<=33.01	Pass
		Inner_Full	23.59	/	/	21.39	/	/	<=33.01	Pass
		Inner_1RB_Left	23.68	/	/	21.48	/	/	<=33.01	Pass
		Inner_1RB_Right	23.51	/	/	21.31	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	22.77	/	/	20.57	/	/	<=33.01	Pass
		Edge_1RB_Right	22.29	/	/	20.09	/	/	<=33.01	Pass
		Outer_Full	22.65	/	/	20.45	/	/	<=33.01	Pass
		Inner_Full	23.66	/	/	21.46	/	/	<=33.01	Pass
		Inner_1RB_Left	23.71	/	/	21.51	/	/	<=33.01	Pass
		Inner_1RB_Right	23.51	/	/	21.31	/	/	<=33.01	Pass
	2610	Edge_1RB_Left	22.39	/	/	20.19	/	/	<=33.01	Pass
		Edge_1RB_Right	22.50	/	/	20.30	/	/	<=33.01	Pass
		Outer_Full	22.48	/	/	20.28	/	/	<=33.01	Pass
		Inner_Full	23.56	/	/	21.36	/	/	<=33.01	Pass
		Inner_1RB_Left	23.66	/	/	21.46	/	/	<=33.01	Pass
		Inner_1RB_Right	23.48	/	/	21.28	/	/	<=33.01	Pass
DFT-s-OFDM 64 QAM	2580	Edge_1RB_Left	21.88	/	/	19.68	/	/	<=33.01	Pass
		Edge_1RB_Right	21.87	/	/	19.67	/	/	<=33.01	Pass
		Outer_Full	22.16	/	/	19.96	/	/	<=33.01	Pass
		Inner_Full	22.10	/	/	19.90	/	/	<=33.01	Pass
		Inner_1RB_Left	21.98	/	/	19.78	/	/	<=33.01	Pass
		Inner_1RB_Right	21.74	/	/	19.54	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.99	/	/	19.79	/	/	<=33.01	Pass
		Edge_1RB_Right	21.95	/	/	19.75	/	/	<=33.01	Pass

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		Outer_Full	22.16	/	/	19.96	/	/	<=33.01	Pass
		Inner_Full	22.16	/	/	19.96	/	/	<=33.01	Pass
		Inner_1RB_Left	22.09	/	/	19.89	/	/	<=33.01	Pass
		Inner_1RB_Right	21.95	/	/	19.75	/	/	<=33.01	Pass
		Edge_1RB_Left	22.02	/	/	19.82	/	/	<=33.01	Pass
		Edge_1RB_Right	21.82	/	/	19.62	/	/	<=33.01	Pass
		Outer_Full	21.98	/	/	19.78	/	/	<=33.01	Pass
		Inner_Full	22.17	/	/	19.97	/	/	<=33.01	Pass
		Inner_1RB_Left	22.02	/	/	19.82	/	/	<=33.01	Pass
		Inner_1RB_Right	21.82	/	/	19.62	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2580	Edge_1RB_Left	19.78	/	/	17.58	/	/	<=33.01	Pass
		Edge_1RB_Right	19.65	/	/	17.45	/	/	<=33.01	Pass
		Outer_Full	20.16	/	/	17.97	/	/	<=33.01	Pass
		Inner_Full	20.13	/	/	17.93	/	/	<=33.01	Pass
		Inner_1RB_Left	19.86	/	/	17.66	/	/	<=33.01	Pass
		Inner_1RB_Right	19.85	/	/	17.65	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	19.84	/	/	17.64	/	/	<=33.01	Pass
		Edge_1RB_Right	19.70	/	/	17.50	/	/	<=33.01	Pass
		Outer_Full	20.15	/	/	17.95	/	/	<=33.01	Pass
		Inner_Full	20.14	/	/	17.94	/	/	<=33.01	Pass
		Inner_1RB_Left	19.83	/	/	17.63	/	/	<=33.01	Pass
		Inner_1RB_Right	19.70	/	/	17.50	/	/	<=33.01	Pass
	2610	Edge_1RB_Left	19.89	/	/	17.69	/	/	<=33.01	Pass
		Edge_1RB_Right	19.70	/	/	17.50	/	/	<=33.01	Pass
		Outer_Full	20.13	/	/	17.93	/	/	<=33.01	Pass
		Inner_Full	20.04	/	/	17.84	/	/	<=33.01	Pass
		Inner_1RB_Left	19.87	/	/	17.67	/	/	<=33.01	Pass
		Inner_1RB_Right	19.69	/	/	17.49	/	/	<=33.01	Pass
CP-OFDM QPSK	2580	Edge_1RB_Left	21.64	/	/	19.44	/	/	<=33.01	Pass
		Edge_1RB_Right	18.45	/	/	16.25	/	/	<=33.01	Pass
		Outer_Full	21.69	/	/	19.49	/	/	<=33.01	Pass
		Inner_Full	23.16	/	/	20.96	/	/	<=33.01	Pass
		Inner_1RB_Left	23.27	/	/	21.07	/	/	<=33.01	Pass
		Inner_1RB_Right	23.22	/	/	21.02	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.66	/	/	19.46	/	/	<=33.01	Pass
		Edge_1RB_Right	21.60	/	/	19.40	/	/	<=33.01	Pass
		Outer_Full	21.75	/	/	19.55	/	/	<=33.01	Pass
		Inner_Full	23.13	/	/	20.93	/	/	<=33.01	Pass
		Inner_1RB_Left	23.12	/	/	20.92	/	/	<=33.01	Pass
		Inner_1RB_Right	23.17	/	/	20.97	/	/	<=33.01	Pass
	2610	Edge_1RB_Left	21.62	/	/	19.42	/	/	<=33.01	Pass
		Edge_1RB_Right	21.47	/	/	19.27	/	/	<=33.01	Pass
		Outer_Full	21.64	/	/	19.44	/	/	<=33.01	Pass
		Inner_Full	23.07	/	/	20.87	/	/	<=33.01	Pass
		Inner_1RB_Left	23.27	/	/	21.08	/	/	<=33.01	Pass
		Inner_1RB_Right	23.23	/	/	21.03	/	/	<=33.01	Pass
CP-OFDM 16 QAM	2580	Edge_1RB_Left	21.65	/	/	19.45	/	/	<=33.01	Pass
		Edge_1RB_Right	21.72	/	/	19.52	/	/	<=33.01	Pass
		Outer_Full	21.61	/	/	19.41	/	/	<=33.01	Pass
		Inner_Full	22.73	/	/	20.53	/	/	<=33.01	Pass
		Inner_1RB_Left	22.57	/	/	20.37	/	/	<=33.01	Pass
		Inner_1RB_Right	22.70	/	/	20.50	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.71	/	/	19.51	/	/	<=33.01	Pass
		Edge_1RB_Right	21.63	/	/	19.43	/	/	<=33.01	Pass
		Outer_Full	21.70	/	/	19.50	/	/	<=33.01	Pass
		Inner_Full	22.74	/	/	20.54	/	/	<=33.01	Pass
		Inner_1RB_Left	22.69	/	/	20.49	/	/	<=33.01	Pass
		Inner_1RB_Right	22.69	/	/	20.49	/	/	<=33.01	Pass
	2610	Edge_1RB_Left	21.69	/	/	19.49	/	/	<=33.01	Pass
		Edge_1RB_Right	21.54	/	/	19.34	/	/	<=33.01	Pass
		Outer_Full	21.60	/	/	19.40	/	/	<=33.01	Pass
		Inner_Full	23.31	/	/	21.11	/	/	<=33.01	Pass

		Inner_1RB_Left	22.72	/	/	20.52	/	/	<=33.01	Pass
		Inner_1RB_Right	22.55	/	/	20.35	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2580	Edge_1RB_Left	21.14	/	/	18.94	/	/	<=33.01	Pass
		Edge_1RB_Right	21.18	/	/	18.98	/	/	<=33.01	Pass
		Outer_Full	21.10	/	/	18.90	/	/	<=33.01	Pass
		Inner_Full	21.25	/	/	19.05	/	/	<=33.01	Pass
		Inner_1RB_Left	21.14	/	/	18.94	/	/	<=33.01	Pass
		Inner_1RB_Right	21.12	/	/	18.92	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.12	/	/	18.93	/	/	<=33.01	Pass
		Edge_1RB_Right	21.02	/	/	18.82	/	/	<=33.01	Pass
		Outer_Full	21.15	/	/	18.95	/	/	<=33.01	Pass
		Inner_Full	21.24	/	/	19.04	/	/	<=33.01	Pass
		Inner_1RB_Left	21.13	/	/	18.93	/	/	<=33.01	Pass
		Inner_1RB_Right	21.07	/	/	18.87	/	/	<=33.01	Pass
	2610	Edge_1RB_Left	21.14	/	/	18.94	/	/	<=33.01	Pass
		Edge_1RB_Right	20.97	/	/	18.77	/	/	<=33.01	Pass
		Outer_Full	21.15	/	/	18.95	/	/	<=33.01	Pass
		Inner_Full	21.23	/	/	19.03	/	/	<=33.01	Pass
		Inner_1RB_Left	21.26	/	/	19.06	/	/	<=33.01	Pass
		Inner_1RB_Right	21.14	/	/	18.94	/	/	<=33.01	Pass
CP-OFDM 256 QAM	2580	Edge_1RB_Left	17.80	/	/	15.60	/	/	<=33.01	Pass
		Edge_1RB_Right	17.78	/	/	15.58	/	/	<=33.01	Pass
		Outer_Full	18.19	/	/	15.99	/	/	<=33.01	Pass
		Inner_Full	18.08	/	/	15.88	/	/	<=33.01	Pass
		Inner_1RB_Left	17.80	/	/	15.61	/	/	<=33.01	Pass
		Inner_1RB_Right	17.81	/	/	15.61	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	17.83	/	/	15.63	/	/	<=33.01	Pass
		Edge_1RB_Right	17.85	/	/	15.65	/	/	<=33.01	Pass
		Outer_Full	18.16	/	/	15.96	/	/	<=33.01	Pass
		Inner_Full	18.11	/	/	15.91	/	/	<=33.01	Pass
		Inner_1RB_Left	17.83	/	/	15.63	/	/	<=33.01	Pass
		Inner_1RB_Right	17.89	/	/	15.70	/	/	<=33.01	Pass
	2610	Edge_1RB_Left	17.85	/	/	15.65	/	/	<=33.01	Pass
		Edge_1RB_Right	17.64	/	/	15.45	/	/	<=33.01	Pass
		Outer_Full	18.18	/	/	15.98	/	/	<=33.01	Pass
		Inner_Full	18.07	/	/	15.87	/	/	<=33.01	Pass
		Inner_1RB_Left	17.86	/	/	15.66	/	/	<=33.01	Pass
		Inner_1RB_Right	17.80	/	/	15.60	/	/	<=33.01	Pass
Note1: Antenna Gain: Ant1: -2.20dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 30_S_30M_NTNV_EIRP

5G NR n38 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	2585	Edge_1RB_Left	21.88	/	/	19.68	/	/	<=33.01	Pass
		Edge_1RB_Right	21.78	/	/	19.58	/	/	<=33.01	Pass
		Outer_Full	21.67	/	/	19.47	/	/	<=33.01	Pass
		Inner_Full	23.82	/	/	21.62	/	/	<=33.01	Pass
		Inner_1RB_Left	23.41	/	/	21.21	/	/	<=33.01	Pass
		Inner_1RB_Right	23.26	/	/	21.06	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	24.31	/	/	22.11	/	/	<=33.01	Pass
		Edge_1RB_Right	24.13	/	/	21.93	/	/	<=33.01	Pass
		Outer_Full	24.36	/	/	22.16	/	/	<=33.01	Pass
		Inner_Full	24.85	/	/	22.65	/	/	<=33.01	Pass
		Inner_1RB_Left	24.96	/	/	22.76	/	/	<=33.01	Pass
		Inner_1RB_Right	24.76	/	/	22.56	/	/	<=33.01	Pass
	2605	Edge_1RB_Left	21.90	/	/	19.70	/	/	<=33.01	Pass
		Edge_1RB_Right	21.58	/	/	19.38	/	/	<=33.01	Pass
		Outer_Full	21.65	/	/	19.45	/	/	<=33.01	Pass
		Inner_Full	23.84	/	/	21.64	/	/	<=33.01	Pass

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		Inner_1RB_Left	23.43	/	/	21.23	/	/	<=33.01	Pass
		Inner_1RB_Right	23.09	/	/	20.89	/	/	<=33.01	Pass
DFT-s-OFDM QPSK	2585	Edge_1RB_Left	23.73	/	/	21.53	/	/	<=33.01	Pass
		Edge_1RB_Right	23.69	/	/	21.49	/	/	<=33.01	Pass
		Outer_Full	23.77	/	/	21.57	/	/	<=33.01	Pass
		Inner_Full	24.78	/	/	22.58	/	/	<=33.01	Pass
		Inner_1RB_Left	24.82	/	/	22.62	/	/	<=33.01	Pass
		Inner_1RB_Right	24.60	/	/	22.40	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	23.80	/	/	21.60	/	/	<=33.01	Pass
		Edge_1RB_Right	23.58	/	/	21.38	/	/	<=33.01	Pass
		Outer_Full	23.80	/	/	21.60	/	/	<=33.01	Pass
		Inner_Full	24.82	/	/	22.62	/	/	<=33.01	Pass
		Inner_1RB_Left	24.88	/	/	22.68	/	/	<=33.01	Pass
		Inner_1RB_Right	24.64	/	/	22.44	/	/	<=33.01	Pass
	2605	Edge_1RB_Left	23.76	/	/	21.56	/	/	<=33.01	Pass
		Edge_1RB_Right	23.53	/	/	21.33	/	/	<=33.01	Pass
		Outer_Full	23.79	/	/	21.59	/	/	<=33.01	Pass
		Inner_Full	24.58	/	/	22.38	/	/	<=33.01	Pass
		Inner_1RB_Left	24.87	/	/	22.67	/	/	<=33.01	Pass
		Inner_1RB_Right	24.54	/	/	22.34	/	/	<=33.01	Pass
DFT-s-OFDM 16 QAM	2585	Edge_1RB_Left	22.60	/	/	20.40	/	/	<=33.01	Pass
		Edge_1RB_Right	22.41	/	/	20.21	/	/	<=33.01	Pass
		Outer_Full	22.67	/	/	20.47	/	/	<=33.01	Pass
		Inner_Full	23.76	/	/	21.56	/	/	<=33.01	Pass
		Inner_1RB_Left	23.70	/	/	21.51	/	/	<=33.01	Pass
		Inner_1RB_Right	23.42	/	/	21.22	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	22.75	/	/	20.56	/	/	<=33.01	Pass
		Edge_1RB_Right	22.50	/	/	20.30	/	/	<=33.01	Pass
		Outer_Full	22.69	/	/	20.49	/	/	<=33.01	Pass
		Inner_Full	23.63	/	/	21.43	/	/	<=33.01	Pass
		Inner_1RB_Left	23.91	/	/	21.71	/	/	<=33.01	Pass
		Inner_1RB_Right	23.72	/	/	21.52	/	/	<=33.01	Pass
	2605	Edge_1RB_Left	22.89	/	/	20.69	/	/	<=33.01	Pass
		Edge_1RB_Right	22.58	/	/	20.38	/	/	<=33.01	Pass
		Outer_Full	22.61	/	/	20.42	/	/	<=33.01	Pass
		Inner_Full	23.65	/	/	21.45	/	/	<=33.01	Pass
		Inner_1RB_Left	23.86	/	/	21.66	/	/	<=33.01	Pass
		Inner_1RB_Right	23.55	/	/	21.35	/	/	<=33.01	Pass
DFT-s-OFDM 64 QAM	2585	Edge_1RB_Left	22.29	/	/	20.09	/	/	<=33.01	Pass
		Edge_1RB_Right	22.15	/	/	19.95	/	/	<=33.01	Pass
		Outer_Full	22.15	/	/	19.95	/	/	<=33.01	Pass
		Inner_Full	22.32	/	/	20.12	/	/	<=33.01	Pass
		Inner_1RB_Left	22.30	/	/	20.10	/	/	<=33.01	Pass
		Inner_1RB_Right	22.06	/	/	19.86	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	22.45	/	/	20.26	/	/	<=33.01	Pass
		Edge_1RB_Right	22.16	/	/	19.96	/	/	<=33.01	Pass
		Outer_Full	22.09	/	/	19.89	/	/	<=33.01	Pass
		Inner_Full	22.26	/	/	20.06	/	/	<=33.01	Pass
		Inner_1RB_Left	22.47	/	/	20.27	/	/	<=33.01	Pass
		Inner_1RB_Right	22.20	/	/	20.00	/	/	<=33.01	Pass
	2605	Edge_1RB_Left	22.28	/	/	20.08	/	/	<=33.01	Pass
		Edge_1RB_Right	21.95	/	/	19.75	/	/	<=33.01	Pass
		Outer_Full	22.13	/	/	19.93	/	/	<=33.01	Pass
		Inner_Full	22.11	/	/	19.91	/	/	<=33.01	Pass
		Inner_1RB_Left	22.30	/	/	20.10	/	/	<=33.01	Pass
		Inner_1RB_Right	21.98	/	/	19.78	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2585	Edge_1RB_Left	20.12	/	/	17.92	/	/	<=33.01	Pass
		Edge_1RB_Right	19.97	/	/	17.77	/	/	<=33.01	Pass
		Outer_Full	20.19	/	/	17.99	/	/	<=33.01	Pass
		Inner_Full	20.19	/	/	17.99	/	/	<=33.01	Pass
		Inner_1RB_Left	20.16	/	/	17.96	/	/	<=33.01	Pass
		Inner_1RB_Right	20.00	/	/	17.80	/	/	<=33.01	Pass

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	2595	Edge_1RB_Left	20.16	/	/	17.96	/	/	<=33.01	Pass
		Edge_1RB_Right	19.99	/	/	17.79	/	/	<=33.01	Pass
		Outer_Full	20.16	/	/	17.96	/	/	<=33.01	Pass
		Inner_Full	20.31	/	/	18.11	/	/	<=33.01	Pass
		Inner_1RB_Left	20.19	/	/	17.99	/	/	<=33.01	Pass
		Inner_1RB_Right	19.90	/	/	17.70	/	/	<=33.01	Pass
	2605	Edge_1RB_Left	20.08	/	/	17.88	/	/	<=33.01	Pass
		Edge_1RB_Right	19.83	/	/	17.63	/	/	<=33.01	Pass
		Outer_Full	20.22	/	/	18.02	/	/	<=33.01	Pass
		Inner_Full	20.29	/	/	18.09	/	/	<=33.01	Pass
		Inner_1RB_Left	20.22	/	/	18.02	/	/	<=33.01	Pass
		Inner_1RB_Right	19.85	/	/	17.65	/	/	<=33.01	Pass
CP-OFDM QPSK	2585	Edge_1RB_Left	21.84	/	/	19.65	/	/	<=33.01	Pass
		Edge_1RB_Right	21.77	/	/	19.57	/	/	<=33.01	Pass
		Outer_Full	22.28	/	/	20.08	/	/	<=33.01	Pass
		Inner_Full	23.19	/	/	20.99	/	/	<=33.01	Pass
		Inner_1RB_Left	23.38	/	/	21.18	/	/	<=33.01	Pass
		Inner_1RB_Right	23.17	/	/	20.97	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.91	/	/	19.71	/	/	<=33.01	Pass
		Edge_1RB_Right	21.77	/	/	19.57	/	/	<=33.01	Pass
		Outer_Full	21.75	/	/	19.55	/	/	<=33.01	Pass
		Inner_Full	23.28	/	/	21.08	/	/	<=33.01	Pass
		Inner_1RB_Left	23.36	/	/	21.16	/	/	<=33.01	Pass
		Inner_1RB_Right	23.08	/	/	20.88	/	/	<=33.01	Pass
	2605	Edge_1RB_Left	21.94	/	/	19.74	/	/	<=33.01	Pass
		Edge_1RB_Right	21.53	/	/	19.33	/	/	<=33.01	Pass
		Outer_Full	21.57	/	/	19.38	/	/	<=33.01	Pass
		Inner_Full	22.67	/	/	20.47	/	/	<=33.01	Pass
		Inner_1RB_Left	23.41	/	/	21.21	/	/	<=33.01	Pass
		Inner_1RB_Right	23.07	/	/	20.87	/	/	<=33.01	Pass
CP-OFDM 16 QAM	2585	Edge_1RB_Left	22.02	/	/	19.82	/	/	<=33.01	Pass
		Edge_1RB_Right	21.91	/	/	19.71	/	/	<=33.01	Pass
		Outer_Full	21.68	/	/	19.48	/	/	<=33.01	Pass
		Inner_Full	22.68	/	/	20.48	/	/	<=33.01	Pass
		Inner_1RB_Left	22.88	/	/	20.68	/	/	<=33.01	Pass
		Inner_1RB_Right	22.79	/	/	20.59	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	22.05	/	/	19.85	/	/	<=33.01	Pass
		Edge_1RB_Right	21.69	/	/	19.49	/	/	<=33.01	Pass
		Outer_Full	21.68	/	/	19.49	/	/	<=33.01	Pass
		Inner_Full	22.71	/	/	20.51	/	/	<=33.01	Pass
		Inner_1RB_Left	23.02	/	/	20.83	/	/	<=33.01	Pass
		Inner_1RB_Right	22.79	/	/	20.59	/	/	<=33.01	Pass
	2605	Edge_1RB_Left	21.84	/	/	19.64	/	/	<=33.01	Pass
		Edge_1RB_Right	21.55	/	/	19.35	/	/	<=33.01	Pass
		Outer_Full	21.58	/	/	19.38	/	/	<=33.01	Pass
		Inner_Full	22.73	/	/	20.53	/	/	<=33.01	Pass
		Inner_1RB_Left	22.92	/	/	20.72	/	/	<=33.01	Pass
		Inner_1RB_Right	22.66	/	/	20.46	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2585	Edge_1RB_Left	21.30	/	/	19.10	/	/	<=33.01	Pass
		Edge_1RB_Right	21.24	/	/	19.04	/	/	<=33.01	Pass
		Outer_Full	21.27	/	/	19.07	/	/	<=33.01	Pass
		Inner_Full	21.19	/	/	18.99	/	/	<=33.01	Pass
		Inner_1RB_Left	21.34	/	/	19.14	/	/	<=33.01	Pass
		Inner_1RB_Right	21.26	/	/	19.06	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.35	/	/	19.15	/	/	<=33.01	Pass
		Edge_1RB_Right	21.18	/	/	18.98	/	/	<=33.01	Pass
		Outer_Full	21.22	/	/	19.02	/	/	<=33.01	Pass
		Inner_Full	21.34	/	/	19.14	/	/	<=33.01	Pass
		Inner_1RB_Left	21.40	/	/	19.20	/	/	<=33.01	Pass
		Inner_1RB_Right	21.08	/	/	18.88	/	/	<=33.01	Pass
	2605	Edge_1RB_Left	21.34	/	/	19.14	/	/	<=33.01	Pass
		Edge_1RB_Right	21.05	/	/	18.85	/	/	<=33.01	Pass

CP-OFDM 256 QAM		Outer_Full	21.32	/	/	19.12	/	/	<=33.01	Pass		
		Inner_Full	21.32	/	/	19.12	/	/	<=33.01	Pass		
		Inner_1RB_Left	21.40	/	/	19.20	/	/	<=33.01	Pass		
		Inner_1RB_Right	21.09	/	/	18.89	/	/	<=33.01	Pass		
	2585	Edge_1RB_Left	18.09	/	/	15.89	/	/	<=33.01	Pass		
		Edge_1RB_Right	17.96	/	/	15.76	/	/	<=33.01	Pass		
		Outer_Full	18.19	/	/	15.99	/	/	<=33.01	Pass		
		Inner_Full	18.12	/	/	15.93	/	/	<=33.01	Pass		
		Inner_1RB_Left	18.02	/	/	15.83	/	/	<=33.01	Pass		
		Inner_1RB_Right	17.98	/	/	15.79	/	/	<=33.01	Pass		
		2595	Edge_1RB_Left	18.03	/	/	15.83	/	/	<=33.01	Pass	
			Edge_1RB_Right	17.87	/	/	15.67	/	/	<=33.01	Pass	
			Outer_Full	18.12	/	/	15.92	/	/	<=33.01	Pass	
			Inner_Full	18.25	/	/	16.05	/	/	<=33.01	Pass	
			Inner_1RB_Left	18.17	/	/	15.97	/	/	<=33.01	Pass	
			Inner_1RB_Right	17.89	/	/	15.70	/	/	<=33.01	Pass	
			2605	Edge_1RB_Left	18.04	/	/	15.84	/	/	<=33.01	Pass
				Edge_1RB_Right	17.79	/	/	15.59	/	/	<=33.01	Pass
		Outer_Full		18.20	/	/	16.00	/	/	<=33.01	Pass	
		Inner_Full		18.20	/	/	16.00	/	/	<=33.01	Pass	
	Inner_1RB_Left	18.18		/	/	15.98	/	/	<=33.01	Pass		
	Inner_1RB_Right	17.82		/	/	15.62	/	/	<=33.01	Pass		

Note1: Antenna Gain: Ant1: -2.20dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.1.4 30_S_40M_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 40MHz 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	2590	Edge_1RB_Left	21.76	/	/	19.56	/	/	<=33.01	Pass
		Edge_1RB_Right	21.64	/	/	19.44	/	/	<=33.01	Pass
		Outer_Full	21.74	/	/	19.54	/	/	<=33.01	Pass
		Inner_Full	23.15	/	/	20.95	/	/	<=33.01	Pass
		Inner_1RB_Left	23.32	/	/	21.12	/	/	<=33.01	Pass
		Inner_1RB_Right	23.05	/	/	20.85	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.87	/	/	19.67	/	/	<=33.01	Pass
		Edge_1RB_Right	21.59	/	/	19.39	/	/	<=33.01	Pass
		Outer_Full	21.85	/	/	19.65	/	/	<=33.01	Pass
		Inner_Full	23.27	/	/	21.07	/	/	<=33.01	Pass
		Inner_1RB_Left	23.34	/	/	21.15	/	/	<=33.01	Pass
		Inner_1RB_Right	23.00	/	/	20.80	/	/	<=33.01	Pass
	2600	Edge_1RB_Left	21.95	/	/	19.75	/	/	<=33.01	Pass
		Edge_1RB_Right	21.57	/	/	19.38	/	/	<=33.01	Pass
		Outer_Full	21.84	/	/	19.64	/	/	<=33.01	Pass
		Inner_Full	23.22	/	/	21.02	/	/	<=33.01	Pass
		Inner_1RB_Left	23.48	/	/	21.28	/	/	<=33.01	Pass
		Inner_1RB_Right	23.06	/	/	20.86	/	/	<=33.01	Pass
DFT-s-OFDM QPSK	2590	Edge_1RB_Left	23.75	/	/	21.55	/	/	<=33.01	Pass
		Edge_1RB_Right	23.54	/	/	21.34	/	/	<=33.01	Pass
		Outer_Full	23.84	/	/	21.64	/	/	<=33.01	Pass
		Inner_Full	24.80	/	/	22.60	/	/	<=33.01	Pass
		Inner_1RB_Left	24.84	/	/	22.64	/	/	<=33.01	Pass
		Inner_1RB_Right	24.54	/	/	22.34	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	23.69	/	/	21.49	/	/	<=33.01	Pass
		Edge_1RB_Right	23.42	/	/	21.22	/	/	<=33.01	Pass
		Outer_Full	23.78	/	/	21.58	/	/	<=33.01	Pass
		Inner_Full	24.76	/	/	22.56	/	/	<=33.01	Pass
		Inner_1RB_Left	24.82	/	/	22.62	/	/	<=33.01	Pass
		Inner_1RB_Right	24.51	/	/	22.31	/	/	<=33.01	Pass
	2600	Edge_1RB_Left	23.80	/	/	21.60	/	/	<=33.01	Pass
		Edge_1RB_Right	23.40	/	/	21.20	/	/	<=33.01	Pass

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DFT-s-OFDM 16 QAM		Outer_Full	23.69	/	/	21.49	/	/	<=33.01	Pass
		Inner_Full	24.83	/	/	22.63	/	/	<=33.01	Pass
		Inner_1RB_Left	24.73	/	/	22.53	/	/	<=33.01	Pass
		Inner_1RB_Right	24.51	/	/	22.31	/	/	<=33.01	Pass
	2590	Edge_1RB_Left	22.64	/	/	20.44	/	/	<=33.01	Pass
		Edge_1RB_Right	22.74	/	/	20.54	/	/	<=33.01	Pass
		Outer_Full	22.71	/	/	20.51	/	/	<=33.01	Pass
		Inner_Full	23.69	/	/	21.49	/	/	<=33.01	Pass
	2595	Inner_1RB_Left	23.61	/	/	21.41	/	/	<=33.01	Pass
		Inner_1RB_Right	23.50	/	/	21.30	/	/	<=33.01	Pass
		Edge_1RB_Left	22.51	/	/	20.31	/	/	<=33.01	Pass
		Edge_1RB_Right	22.39	/	/	20.19	/	/	<=33.01	Pass
	2600	Outer_Full	22.48	/	/	20.28	/	/	<=33.01	Pass
		Inner_Full	23.60	/	/	21.40	/	/	<=33.01	Pass
		Inner_1RB_Left	23.85	/	/	21.65	/	/	<=33.01	Pass
		Inner_1RB_Right	23.46	/	/	21.26	/	/	<=33.01	Pass
DFT-s-OFDM 64 QAM	2590	Edge_1RB_Left	22.82	/	/	20.62	/	/	<=33.01	Pass
		Edge_1RB_Right	22.62	/	/	20.43	/	/	<=33.01	Pass
		Outer_Full	22.63	/	/	20.43	/	/	<=33.01	Pass
		Inner_Full	23.62	/	/	21.42	/	/	<=33.01	Pass
	2595	Inner_1RB_Left	23.84	/	/	21.64	/	/	<=33.01	Pass
		Inner_1RB_Right	23.49	/	/	21.29	/	/	<=33.01	Pass
		Edge_1RB_Left	22.25	/	/	20.05	/	/	<=33.01	Pass
		Edge_1RB_Right	22.00	/	/	19.80	/	/	<=33.01	Pass
	2600	Outer_Full	22.24	/	/	20.04	/	/	<=33.01	Pass
		Inner_Full	22.23	/	/	20.03	/	/	<=33.01	Pass
		Inner_1RB_Left	22.25	/	/	20.05	/	/	<=33.01	Pass
		Inner_1RB_Right	21.99	/	/	19.79	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2590	Edge_1RB_Left	22.24	/	/	20.04	/	/	<=33.01	Pass
		Edge_1RB_Right	22.01	/	/	19.81	/	/	<=33.01	Pass
		Outer_Full	22.24	/	/	20.04	/	/	<=33.01	Pass
		Inner_Full	22.19	/	/	19.99	/	/	<=33.01	Pass
	2595	Inner_1RB_Left	22.24	/	/	20.04	/	/	<=33.01	Pass
		Inner_1RB_Right	22.00	/	/	19.80	/	/	<=33.01	Pass
		Edge_1RB_Left	22.36	/	/	20.16	/	/	<=33.01	Pass
		Edge_1RB_Right	21.92	/	/	19.72	/	/	<=33.01	Pass
	2600	Outer_Full	22.13	/	/	19.93	/	/	<=33.01	Pass
		Inner_Full	22.14	/	/	19.94	/	/	<=33.01	Pass
		Inner_1RB_Left	22.26	/	/	20.06	/	/	<=33.01	Pass
		Inner_1RB_Right	21.91	/	/	19.71	/	/	<=33.01	Pass
CP-OFDM QPSK	2590	Edge_1RB_Left	20.06	/	/	17.86	/	/	<=33.01	Pass
		Edge_1RB_Right	19.84	/	/	17.64	/	/	<=33.01	Pass
		Outer_Full	20.27	/	/	18.07	/	/	<=33.01	Pass
		Inner_Full	20.21	/	/	18.01	/	/	<=33.01	Pass
	2595	Inner_1RB_Left	20.05	/	/	17.86	/	/	<=33.01	Pass
		Inner_1RB_Right	19.84	/	/	17.64	/	/	<=33.01	Pass
		Edge_1RB_Left	20.02	/	/	17.82	/	/	<=33.01	Pass
		Edge_1RB_Right	19.85	/	/	17.65	/	/	<=33.01	Pass
	2600	Outer_Full	20.16	/	/	17.96	/	/	<=33.01	Pass
		Inner_Full	20.31	/	/	18.11	/	/	<=33.01	Pass
		Inner_1RB_Left	20.01	/	/	17.81	/	/	<=33.01	Pass
		Inner_1RB_Right	19.74	/	/	17.54	/	/	<=33.01	Pass
	2590	Edge_1RB_Left	20.12	/	/	17.92	/	/	<=33.01	Pass
		Edge_1RB_Right	19.80	/	/	17.60	/	/	<=33.01	Pass
		Outer_Full	20.18	/	/	17.98	/	/	<=33.01	Pass
		Inner_Full	20.22	/	/	18.02	/	/	<=33.01	Pass
	2595	Inner_1RB_Left	20.09	/	/	17.89	/	/	<=33.01	Pass
		Inner_1RB_Right	19.76	/	/	17.56	/	/	<=33.01	Pass
	2600	Edge_1RB_Left	21.83	/	/	19.63	/	/	<=33.01	Pass
		Edge_1RB_Right	21.59	/	/	19.40	/	/	<=33.01	Pass
	2590	Outer_Full	21.72	/	/	19.52	/	/	<=33.01	Pass
		Inner_Full	23.21	/	/	21.01	/	/	<=33.01	Pass

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		Inner_1RB_Left	23.36	/	/	21.16	/	/	<=33.01	Pass
		Inner_1RB_Right	23.07	/	/	20.87	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.88	/	/	19.68	/	/	<=33.01	Pass
		Edge_1RB_Right	21.65	/	/	19.45	/	/	<=33.01	Pass
		Outer_Full	21.71	/	/	19.51	/	/	<=33.01	Pass
		Inner_Full	23.14	/	/	20.94	/	/	<=33.01	Pass
		Inner_1RB_Left	23.31	/	/	21.11	/	/	<=33.01	Pass
		Inner_1RB_Right	23.02	/	/	20.83	/	/	<=33.01	Pass
	2600	Edge_1RB_Left	21.94	/	/	19.74	/	/	<=33.01	Pass
		Edge_1RB_Right	21.61	/	/	19.41	/	/	<=33.01	Pass
		Outer_Full	21.70	/	/	19.50	/	/	<=33.01	Pass
		Inner_Full	23.21	/	/	21.01	/	/	<=33.01	Pass
		Inner_1RB_Left	23.38	/	/	21.18	/	/	<=33.01	Pass
		Inner_1RB_Right	23.01	/	/	20.81	/	/	<=33.01	Pass
CP-OFDM 16 QAM	2590	Edge_1RB_Left	21.94	/	/	19.74	/	/	<=33.01	Pass
		Edge_1RB_Right	21.68	/	/	19.48	/	/	<=33.01	Pass
		Outer_Full	21.73	/	/	19.53	/	/	<=33.01	Pass
		Inner_Full	22.78	/	/	20.58	/	/	<=33.01	Pass
		Inner_1RB_Left	22.89	/	/	20.69	/	/	<=33.01	Pass
		Inner_1RB_Right	22.79	/	/	20.59	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.81	/	/	19.61	/	/	<=33.01	Pass
		Edge_1RB_Right	21.58	/	/	19.38	/	/	<=33.01	Pass
		Outer_Full	21.66	/	/	19.46	/	/	<=33.01	Pass
		Inner_Full	22.82	/	/	20.62	/	/	<=33.01	Pass
		Inner_1RB_Left	22.87	/	/	20.67	/	/	<=33.01	Pass
		Inner_1RB_Right	22.55	/	/	20.35	/	/	<=33.01	Pass
	2600	Edge_1RB_Left	21.82	/	/	19.63	/	/	<=33.01	Pass
		Edge_1RB_Right	21.51	/	/	19.31	/	/	<=33.01	Pass
		Outer_Full	21.67	/	/	19.47	/	/	<=33.01	Pass
		Inner_Full	22.94	/	/	20.74	/	/	<=33.01	Pass
		Inner_1RB_Left	22.89	/	/	20.69	/	/	<=33.01	Pass
		Inner_1RB_Right	22.59	/	/	20.39	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2590	Edge_1RB_Left	21.36	/	/	19.16	/	/	<=33.01	Pass
		Edge_1RB_Right	21.20	/	/	19.00	/	/	<=33.01	Pass
		Outer_Full	21.23	/	/	19.03	/	/	<=33.01	Pass
		Inner_Full	21.27	/	/	19.07	/	/	<=33.01	Pass
		Inner_1RB_Left	21.38	/	/	19.18	/	/	<=33.01	Pass
		Inner_1RB_Right	21.09	/	/	18.89	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	21.38	/	/	19.18	/	/	<=33.01	Pass
		Edge_1RB_Right	21.02	/	/	18.82	/	/	<=33.01	Pass
		Outer_Full	21.20	/	/	19.00	/	/	<=33.01	Pass
		Inner_Full	21.33	/	/	19.13	/	/	<=33.01	Pass
		Inner_1RB_Left	21.30	/	/	19.10	/	/	<=33.01	Pass
		Inner_1RB_Right	21.11	/	/	18.91	/	/	<=33.01	Pass
	2600	Edge_1RB_Left	21.36	/	/	19.16	/	/	<=33.01	Pass
		Edge_1RB_Right	20.96	/	/	18.77	/	/	<=33.01	Pass
		Outer_Full	21.24	/	/	19.04	/	/	<=33.01	Pass
		Inner_Full	21.33	/	/	19.13	/	/	<=33.01	Pass
		Inner_1RB_Left	21.38	/	/	19.18	/	/	<=33.01	Pass
		Inner_1RB_Right	21.03	/	/	18.83	/	/	<=33.01	Pass
CP-OFDM 256 QAM	2590	Edge_1RB_Left	18.07	/	/	15.87	/	/	<=33.01	Pass
		Edge_1RB_Right	17.91	/	/	15.71	/	/	<=33.01	Pass
		Outer_Full	18.19	/	/	15.99	/	/	<=33.01	Pass
		Inner_Full	18.21	/	/	16.01	/	/	<=33.01	Pass
		Inner_1RB_Left	18.07	/	/	15.87	/	/	<=33.01	Pass
		Inner_1RB_Right	17.89	/	/	15.69	/	/	<=33.01	Pass
	2595	Edge_1RB_Left	17.98	/	/	15.78	/	/	<=33.01	Pass
		Edge_1RB_Right	17.72	/	/	15.52	/	/	<=33.01	Pass
		Outer_Full	18.18	/	/	15.98	/	/	<=33.01	Pass
		Inner_Full	18.25	/	/	16.05	/	/	<=33.01	Pass
		Inner_1RB_Left	17.98	/	/	15.78	/	/	<=33.01	Pass
		Inner_1RB_Right	17.72	/	/	15.52	/	/	<=33.01	Pass

	2600	Edge_1RB_Left	18.09	/	/	15.89	/	/	<=33.01	Pass
		Edge_1RB_Right	17.78	/	/	15.58	/	/	<=33.01	Pass
		Outer_Full	18.20	/	/	16.00	/	/	<=33.01	Pass
		Inner_Full	18.23	/	/	16.03	/	/	<=33.01	Pass
		Inner_1RB_Left	18.11	/	/	15.91	/	/	<=33.01	Pass
		Inner_1RB_Right	17.77	/	/	15.58	/	/	<=33.01	Pass
Note1: Antenna Gain: Ant1: -2.20dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 30_S_10M

5G NR n38 SCS=30kHz SISO 10MHz										
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)				Verdict
						Result	Limit			
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	20	LV	-14.36	-0.0055	>=-2.5 & <=2.5			Pass
				HV	-0.63	-0.0002	>=-2.5 & <=2.5			Pass
			-30	NV	-9.04	-0.0035	>=-2.5 & <=2.5			Pass
			-20	NV	-21.36	-0.0082	>=-2.5 & <=2.5			Pass
			-10	NV	-0.43	-0.0002	>=-2.5 & <=2.5			Pass
			0	NV	-3.12	-0.0012	>=-2.5 & <=2.5			Pass
			10	NV	-8.13	-0.0031	>=-2.5 & <=2.5			Pass
			20	NV	-7.04	-0.0027	>=-2.5 & <=2.5			Pass
			30	NV	-5.87	-0.0023	>=-2.5 & <=2.5			Pass
			40	NV	-5.48	-0.0021	>=-2.5 & <=2.5			Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-4.87	-0.0019	>=-2.5 & <=2.5			Pass
				HV	-11.95	-0.0046	>=-2.5 & <=2.5			Pass
			-30	NV	-2.39	-0.0009	>=-2.5 & <=2.5			Pass
			-20	NV	-3.98	-0.0015	>=-2.5 & <=2.5			Pass
			-10	NV	-4.13	-0.0016	>=-2.5 & <=2.5			Pass
			0	NV	-0.77	-0.0003	>=-2.5 & <=2.5			Pass
			10	NV	-8.17	-0.0031	>=-2.5 & <=2.5			Pass
			20	NV	1.24	0.0005	>=-2.5 & <=2.5			Pass
			30	NV	-7.72	-0.0030	>=-2.5 & <=2.5			Pass
			40	NV	-14.73	-0.0057	>=-2.5 & <=2.5			Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-9.28	-0.0036	>=-2.5 & <=2.5			Pass
				HV	-9.91	-0.0038	>=-2.5 & <=2.5			Pass
			-30	NV	-16.11	-0.0062	>=-2.5 & <=2.5			Pass
			-20	NV	-12.88	-0.0050	>=-2.5 & <=2.5			Pass
			-10	NV	-9.61	-0.0037	>=-2.5 & <=2.5			Pass
			0	NV	-8.81	-0.0034	>=-2.5 & <=2.5			Pass
			10	NV	-8.29	-0.0032	>=-2.5 & <=2.5			Pass
			20	NV	1.72	0.0007	>=-2.5 & <=2.5			Pass
			30	NV	-3.13	-0.0012	>=-2.5 & <=2.5			Pass
			40	NV	-4.86	-0.0019	>=-2.5 & <=2.5			Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-3.70	-0.0014	>=-2.5 & <=2.5			Pass
				HV	-18.67	-0.0072	>=-2.5 & <=2.5			Pass
			-30	NV	-14.60	-0.0056	>=-2.5 & <=2.5			Pass
			-20	NV	-6.97	-0.0027	>=-2.5 & <=2.5			Pass
			-10	NV	-13.77	-0.0053	>=-2.5 & <=2.5			Pass
			0	NV	-14.32	-0.0055	>=-2.5 & <=2.5			Pass
			10	NV	-9.00	-0.0035	>=-2.5 & <=2.5			Pass
			20	NV	-6.39	-0.0025	>=-2.5 & <=2.5			Pass
			30	NV	-5.68	-0.0022	>=-2.5 & <=2.5			Pass
			40	NV	-3.74	-0.0014	>=-2.5 & <=2.5			Pass

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			50	NV	-8.84	-0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-12.71	-0.0049	>=-2.5 & <=2.5	Pass
				HV	-8.63	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-11.05	-0.0043	>=-2.5 & <=2.5	Pass
			-20	NV	-12.18	-0.0047	>=-2.5 & <=2.5	Pass
			-10	NV	-0.45	-0.0002	>=-2.5 & <=2.5	Pass
			0	NV	-8.45	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-6.87	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-8.21	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-1.13	-0.0004	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-6.85	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-1.02	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-5.44	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-1.28	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-4.44	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-5.17	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-12.80	-0.0049	>=-2.5 & <=2.5	Pass
			20	NV	4.24	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-19.55	-0.0075	>=-2.5 & <=2.5	Pass
			40	NV	-9.42	-0.0036	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	0.06	0.0000	>=-2.5 & <=2.5	Pass
				HV	-6.96	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-6.04	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-12.13	-0.0047	>=-2.5 & <=2.5	Pass
			-10	NV	-20.60	-0.0079	>=-2.5 & <=2.5	Pass
			0	NV	-13.79	-0.0053	>=-2.5 & <=2.5	Pass
			10	NV	-14.65	-0.0056	>=-2.5 & <=2.5	Pass
			20	NV	-6.47	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-11.05	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-10.36	-0.0040	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	0.33	0.0001	>=-2.5 & <=2.5	Pass
				HV	-10.27	-0.0040	>=-2.5 & <=2.5	Pass
			-30	NV	-1.29	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-7.84	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-7.51	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-6.17	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-12.07	-0.0047	>=-2.5 & <=2.5	Pass
			20	NV	0.76	0.0003	>=-2.5 & <=2.5	Pass
			30	NV	-6.09	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-12.06	-0.0046	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-5.94	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-9.69	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-8.79	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-17.03	-0.0066	>=-2.5 & <=2.5	Pass
			0	NV	-8.19	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-10.54	-0.0041	>=-2.5 & <=2.5	Pass
			20	NV	-16.25	-0.0063	>=-2.5 & <=2.5	Pass
			30	NV	-10.97	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-2.62	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-9.47	-0.0036	>=-2.5 & <=2.5	Pass

2.1.2 30_S_20M

5G NR n38 SCS=30kHz SISO 20MHz								
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	2595	Outer_Full	20	LV	-2.34	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-13.13	-0.0051	>=-2.5 & <=2.5	Pass
			-30	NV	-2.66	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-2.63	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	1.22	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-10.17	-0.0039	>=-2.5 & <=2.5	Pass
			10	NV	-13.32	-0.0051	>=-2.5 & <=2.5	Pass
			20	NV	-9.79	-0.0038	>=-2.5 & <=2.5	Pass
			30	NV	-15.95	-0.0061	>=-2.5 & <=2.5	Pass
			40	NV	-12.83	-0.0049	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	50	NV	-5.02	-0.0019	>=-2.5 & <=2.5	Pass
			20	LV	-1.24	-0.0005	>=-2.5 & <=2.5	Pass
				HV	-12.81	-0.0049	>=-2.5 & <=2.5	Pass
			-30	NV	-5.97	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-9.97	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-18.16	-0.0070	>=-2.5 & <=2.5	Pass
			0	NV	-7.21	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-11.11	-0.0043	>=-2.5 & <=2.5	Pass
			20	NV	-14.70	-0.0057	>=-2.5 & <=2.5	Pass
			30	NV	-6.65	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	40	NV	-8.04	-0.0031	>=-2.5 & <=2.5	Pass
			50	NV	-8.48	-0.0033	>=-2.5 & <=2.5	Pass
			20	LV	-8.39	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-7.61	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-10.15	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-2.08	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-10.79	-0.0042	>=-2.5 & <=2.5	Pass
			0	NV	-0.88	-0.0003	>=-2.5 & <=2.5	Pass
			10	NV	-25.08	-0.0097	>=-2.5 & <=2.5	Pass
			20	NV	-0.53	-0.0002	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	30	NV	-2.66	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-11.33	-0.0044	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			20	LV	-2.84	-0.0011	>=-2.5 & <=2.5	Pass
				HV	2.45	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-16.37	-0.0063	>=-2.5 & <=2.5	Pass
			-20	NV	-6.91	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-5.22	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-11.09	-0.0043	>=-2.5 & <=2.5	Pass
			10	NV	-9.74	-0.0038	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	NV	-17.39	-0.0067	>=-2.5 & <=2.5	Pass
			30	NV	-7.73	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-7.77	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-9.63	-0.0037	>=-2.5 & <=2.5	Pass
			20	LV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-1.08	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-4.74	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-2.64	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-17.25	-0.0066	>=-2.5 & <=2.5	Pass
			0	NV	-9.69	-0.0037	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	10	NV	-6.14	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-6.39	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-1.91	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	3.35	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-1.17	-0.0005	>=-2.5 & <=2.5	Pass
			20	LV	2.71	0.0010	>=-2.5 & <=2.5	Pass
				HV	-1.59	-0.0006	>=-2.5 & <=2.5	Pass
		Outer_Full	-30	NV	-11.29	-0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	-12.55	-0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	-11.29	-0.0044	>=-2.5 & <=2.5	Pass
			0	NV	-7.96	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass

			20	NV	-10.65	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-14.26	-0.0055	>=-2.5 & <=2.5	Pass
			40	NV	-9.44	-0.0036	>=-2.5 & <=2.5	Pass
			50	NV	-4.21	-0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-3.87	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-3.62	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-3.25	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-12.01	-0.0046	>=-2.5 & <=2.5	Pass
			0	NV	-16.30	-0.0063	>=-2.5 & <=2.5	Pass
			10	NV	-3.71	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	2.94	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-13.44	-0.0052	>=-2.5 & <=2.5	Pass
			40	NV	-3.67	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-13.92	-0.0054	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-5.97	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-10.08	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-5.55	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-10.57	-0.0041	>=-2.5 & <=2.5	Pass
			-10	NV	-14.99	-0.0058	>=-2.5 & <=2.5	Pass
			0	NV	-5.35	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-5.98	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-9.54	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-5.19	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-9.98	-0.0038	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-8.83	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-7.13	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-15.53	-0.0060	>=-2.5 & <=2.5	Pass
			-20	NV	-11.33	-0.0044	>=-2.5 & <=2.5	Pass
			-10	NV	0.80	0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-20.77	-0.0080	>=-2.5 & <=2.5	Pass
			20	NV	-8.08	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
			40	NV	-13.42	-0.0052	>=-2.5 & <=2.5	Pass
			50	NV	-13.78	-0.0053	>=-2.5 & <=2.5	Pass

2.1.3 30_S_30M

5G NR n38 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	2595	Outer_Full	20	LV	-5.12	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-11.70	-0.0045	>=-2.5 & <=2.5	Pass
			-30	NV	-2.79	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-10.38	-0.0040	>=-2.5 & <=2.5	Pass
			-10	NV	-16.54	-0.0064	>=-2.5 & <=2.5	Pass
			0	NV	-11.52	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	3.05	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-10.31	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	-7.61	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-13.20	-0.0051	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-9.83	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	-9.74	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-10.78	-0.0042	>=-2.5 & <=2.5	Pass
			0	NV	3.52	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-13.44	-0.0052	>=-2.5 & <=2.5	Pass
			20	NV	-12.42	-0.0048	>=-2.5 & <=2.5	Pass

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			30	NV	-12.68	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-13.12	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-11.07	-0.0043	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-10.76	-0.0041	≥ -2.5 & ≤ 2.5	Pass
				HV	-12.10	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.45	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.63	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.86	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.30	0.0005	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.32	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-12.86	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.26	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-12.33	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-12.05	-0.0046	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-11.95	-0.0046	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.10	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.68	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-11.94	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.49	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.26	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.91	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-12.52	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.39	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-24.79	-0.0096	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-8.29	-0.0032	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-14.31	-0.0055	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.69	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-14.69	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-12.47	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.44	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.45	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-10.88	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.12	0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-15.24	-0.0059	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.57	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.58	-0.0025	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-14.63	-0.0056	≥ -2.5 & ≤ 2.5	Pass
				HV	-11.64	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-13.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.14	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.65	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.65	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.32	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.77	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.14	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-18.74	-0.0072	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-9.11	-0.0035	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-9.65	-0.0037	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.23	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-9.97	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-11.66	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-14.37	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.05	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-16.53	-0.0064	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-11.53	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-9.41	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-12.82	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-15.83	-0.0061	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-21.83	-0.0084	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.96	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-16.00	-0.0062	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-15.06	-0.0058	≥ -2.5 & ≤ 2.5	Pass

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			-10	NV	-10.52	-0.0041	>=-2.5 & <=2.5	Pass
			0	NV	-12.21	-0.0047	>=-2.5 & <=2.5	Pass
			10	NV	-10.39	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-1.27	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-3.96	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-12.00	-0.0046	>=-2.5 & <=2.5	Pass
			50	NV	-4.68	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-2516.80	-0.9699	>=-2.5 & <=2.5	Pass
				HV	-732.62	-0.2823	>=-2.5 & <=2.5	Pass
			-30	NV	2979.21	1.1481	>=-2.5 & <=2.5	Pass
			-20	NV	-2882.58	-1.1108	>=-2.5 & <=2.5	Pass
			-10	NV	4943.38	1.9050	>=-2.5 & <=2.5	Pass
			0	NV	-1937.67	-0.7467	>=-2.5 & <=2.5	Pass
			10	NV	385.65	0.1486	>=-2.5 & <=2.5	Pass
			20	NV	-6319.14	-2.4351	>=-2.5 & <=2.5	Pass
			30	NV	-3984.72	-1.5355	>=-2.5 & <=2.5	Pass
			40	NV	6438.28	2.4810	>=-2.5 & <=2.5	Pass
			50	NV	-12.01	-0.0046	>=-2.5 & <=2.5	Pass

2.1.4 30_S_40M

5G NR n38 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	2595	Outer_Full	20	LV	-13.62	-0.0052	>=-2.5 & <=2.5	Pass
				HV	-10.78	-0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	-11.04	-0.0043	>=-2.5 & <=2.5	Pass
			-20	NV	-8.45	-0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	-3.87	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-5.44	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	2.42	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-6.74	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-6.78	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-9.33	-0.0036	>=-2.5 & <=2.5	Pass
			50	NV	-6.35	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-5.86	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-2.17	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-3.92	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-12.47	-0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	-8.07	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-8.07	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-5.11	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-13.16	-0.0051	>=-2.5 & <=2.5	Pass
			30	NV	-16.77	-0.0065	>=-2.5 & <=2.5	Pass
			40	NV	-5.67	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-8.53	-0.0033	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	0.89	0.0003	>=-2.5 & <=2.5	Pass
				HV	-10.88	-0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	-5.22	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-1.06	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-9.59	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-14.25	-0.0055	>=-2.5 & <=2.5	Pass
			20	NV	-6.75	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-16.55	-0.0064	>=-2.5 & <=2.5	Pass
			40	NV	-11.75	-0.0045	>=-2.5 & <=2.5	Pass
			50	NV	-8.13	-0.0031	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-10.47	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-15.09	-0.0058	>=-2.5 & <=2.5	Pass
			-30	NV	-6.75	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-3.73	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-7.64	-0.0029	>=-2.5 & <=2.5	Pass

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			0	NV	-3.07	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-16.52	-0.0064	>=-2.5 & <=2.5	Pass
			20	NV	-4.79	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-0.28	-0.0001	>=-2.5 & <=2.5	Pass
			40	NV	-6.04	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-6.36	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-0.06	0.0000	>=-2.5 & <=2.5	Pass
				HV	-5.32	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	-14.65	-0.0056	>=-2.5 & <=2.5	Pass
			-10	NV	-15.13	-0.0058	>=-2.5 & <=2.5	Pass
			0	NV	-6.47	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-1.05	-0.0004	>=-2.5 & <=2.5	Pass
			20	NV	-9.41	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-6.57	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.52	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-10.96	-0.0042	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-8.32	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-4.87	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-3.62	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-15.11	-0.0058	>=-2.5 & <=2.5	Pass
			-10	NV	-11.43	-0.0044	>=-2.5 & <=2.5	Pass
			0	NV	-2.18	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-16.62	-0.0064	>=-2.5 & <=2.5	Pass
			20	NV	-8.38	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-2.59	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-12.61	-0.0049	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-3.66	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-12.08	-0.0047	>=-2.5 & <=2.5	Pass
			-30	NV	0.28	0.0001	>=-2.5 & <=2.5	Pass
			-20	NV	1.00	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-6.03	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-2.11	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-6.45	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-5.92	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	5.23	0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-3.94	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-15.98	-0.0062	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-6.26	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-15.11	-0.0058	>=-2.5 & <=2.5	Pass
			-30	NV	-6.38	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-4.75	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-5.75	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-8.65	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-17.69	-0.0068	>=-2.5 & <=2.5	Pass
			30	NV	-16.41	-0.0063	>=-2.5 & <=2.5	Pass
			40	NV	-7.38	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-16.88	-0.0065	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-12.83	-0.0049	>=-2.5 & <=2.5	Pass
				HV	0.75	0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	-1.82	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-7.65	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	0.23	0.0001	>=-2.5 & <=2.5	Pass
			0	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	0.60	0.0002	>=-2.5 & <=2.5	Pass
			30	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-8.26	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-0.37	-0.0001	>=-2.5 & <=2.5	Pass

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3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30_S_10M_NTNV

5G NR n38 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	2575	Outer_Full	8.58	9.89	/	Pass
	2595	Outer_Full	8.60	9.88	/	Pass
	2615	Outer_Full	8.61	9.86	/	Pass
DFT-s-OFDM QPSK	2575	Outer_Full	8.60	9.67	/	Pass
	2595	Outer_Full	8.60	9.62	/	Pass
	2615	Outer_Full	8.59	9.65	/	Pass
DFT-s-OFDM 16 QAM	2575	Outer_Full	8.61	9.79	/	Pass
	2595	Outer_Full	8.58	9.64	/	Pass
	2615	Outer_Full	8.62	9.78	/	Pass
DFT-s-OFDM 64 QAM	2575	Outer_Full	8.60	9.91	/	Pass
	2595	Outer_Full	8.61	9.70	/	Pass
	2615	Outer_Full	8.61	9.60	/	Pass
DFT-s-OFDM 256 QAM	2575	Outer_Full	8.63	9.66	/	Pass
	2595	Outer_Full	8.63	9.74	/	Pass
	2615	Outer_Full	8.61	9.83	/	Pass
CP-OFDM QPSK	2575	Outer_Full	8.63	9.82	/	Pass
	2595	Outer_Full	8.61	9.71	/	Pass
	2615	Outer_Full	8.57	9.74	/	Pass
CP-OFDM 16 QAM	2575	Outer_Full	8.60	9.66	/	Pass
	2595	Outer_Full	8.60	9.75	/	Pass
	2615	Outer_Full	8.59	9.67	/	Pass
CP-OFDM 64 QAM	2575	Outer_Full	8.63	10.05	/	Pass
	2595	Outer_Full	8.63	9.66	/	Pass
	2615	Outer_Full	8.61	9.77	/	Pass
CP-OFDM 256 QAM	2575	Outer_Full	8.60	9.68	/	Pass
	2595	Outer_Full	8.60	9.48	/	Pass
	2615	Outer_Full	8.59	9.66	/	Pass

3.1.2 30_S_20M_NTNV

5G NR n38 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	2580	Outer_Full	17.89	19.62	/	Pass
	2595	Outer_Full	17.88	19.48	/	Pass
	2610	Outer_Full	17.89	19.47	/	Pass
DFT-s-OFDM QPSK	2580	Outer_Full	17.83	19.31	/	Pass
	2595	Outer_Full	17.82	19.18	/	Pass
	2610	Outer_Full	17.84	19.20	/	Pass
DFT-s-OFDM 16 QAM	2580	Outer_Full	17.86	19.17	/	Pass
	2595	Outer_Full	17.84	19.35	/	Pass
	2610	Outer_Full	17.81	19.07	/	Pass
DFT-s-OFDM 64 QAM	2580	Outer_Full	17.84	19.44	/	Pass
	2595	Outer_Full	17.86	19.21	/	Pass
	2610	Outer_Full	17.85	19.32	/	Pass
DFT-s-OFDM 256 QAM	2580	Outer_Full	17.85	19.23	/	Pass
	2595	Outer_Full	17.86	19.40	/	Pass
	2610	Outer_Full	17.82	19.32	/	Pass
CP-OFDM QPSK	2580	Outer_Full	18.21	19.68	/	Pass
	2595	Outer_Full	18.24	19.60	/	Pass
	2610	Outer_Full	18.26	19.87	/	Pass

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CP-OFDM 16 QAM	2580	Outer_Full	18.26	19.51	/	Pass
	2595	Outer_Full	18.23	19.71	/	Pass
	2610	Outer_Full	18.23	19.64	/	Pass
CP-OFDM 64 QAM	2580	Outer_Full	18.26	19.78	/	Pass
	2595	Outer_Full	18.22	19.38	/	Pass
	2610	Outer_Full	18.24	19.64	/	Pass
CP-OFDM 256 QAM	2580	Outer_Full	18.22	19.43	/	Pass
	2595	Outer_Full	18.28	19.86	/	Pass
	2610	Outer_Full	18.22	19.64	/	Pass

3.1.3 30_S_30M_NTNV

5G NR n38 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	2585	Outer_Full	26.84	28.85	/	Pass
	2595	Outer_Full	26.81	28.91	/	Pass
	2605	Outer_Full	26.83	28.80	/	Pass
DFT-s-OFDM QPSK	2585	Outer_Full	26.79	28.34	/	Pass
	2595	Outer_Full	26.81	28.51	/	Pass
	2605	Outer_Full	26.85	28.46	/	Pass
DFT-s-OFDM 16 QAM	2585	Outer_Full	26.85	28.41	/	Pass
	2595	Outer_Full	26.83	28.72	/	Pass
	2605	Outer_Full	26.89	28.27	/	Pass
DFT-s-OFDM 64 QAM	2585	Outer_Full	26.82	28.44	/	Pass
	2595	Outer_Full	26.82	28.50	/	Pass
	2605	Outer_Full	26.83	28.41	/	Pass
DFT-s-OFDM 256 QAM	2585	Outer_Full	26.83	28.50	/	Pass
	2595	Outer_Full	26.81	28.32	/	Pass
	2605	Outer_Full	26.86	28.39	/	Pass
CP-OFDM QPSK	2585	Outer_Full	27.87	29.42	/	Pass
	2595	Outer_Full	27.87	29.57	/	Pass
	2605	Outer_Full	27.91	29.68	/	Pass
CP-OFDM 16 QAM	2585	Outer_Full	27.86	29.45	/	Pass
	2595	Outer_Full	27.85	29.80	/	Pass
	2605	Outer_Full	27.83	29.62	/	Pass
CP-OFDM 64 QAM	2585	Outer_Full	27.90	29.57	/	Pass
	2595	Outer_Full	27.89	29.88	/	Pass
	2605	Outer_Full	27.92	29.48	/	Pass
CP-OFDM 256 QAM	2585	Outer_Full	27.85	29.72	/	Pass
	2595	Outer_Full	27.87	29.62	/	Pass
	2605	Outer_Full	27.96	29.56	/	Pass

3.1.4 30_S_40M_NTNV

5G NR n38 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	2590	Outer_Full	36.06	38.53	/	Pass
	2595	Outer_Full	35.93	38.55	/	Pass
	2600	Outer_Full	35.95	38.44	/	Pass
DFT-s-OFDM QPSK	2590	Outer_Full	35.96	38.66	/	Pass
	2595	Outer_Full	35.97	38.57	/	Pass
	2600	Outer_Full	36.09	38.59	/	Pass
DFT-s-OFDM 16 QAM	2590	Outer_Full	36.03	38.71	/	Pass
	2595	Outer_Full	36.01	38.73	/	Pass
	2600	Outer_Full	36.00	38.62	/	Pass
DFT-s-OFDM 64 QAM	2590	Outer_Full	36.02	38.38	/	Pass
	2595	Outer_Full	35.92	38.77	/	Pass
	2600	Outer_Full	35.96	38.65	/	Pass
DFT-s-OFDM 256 QAM	2590	Outer_Full	36.03	38.36	/	Pass

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	2595	Outer_Full	36.03	38.73	/	Pass
	2600	Outer_Full	36.13	38.51	/	Pass
	2590	Outer_Full	38.14	40.58	/	Pass
CP-OFDM QPSK	2595	Outer_Full	38.11	40.73	/	Pass
	2600	Outer_Full	38.17	40.48	/	Pass
	2590	Outer_Full	38.11	40.76	/	Pass
CP-OFDM 16 QAM	2595	Outer_Full	38.12	40.84	/	Pass
	2600	Outer_Full	38.17	40.66	/	Pass
	2590	Outer_Full	38.12	40.63	/	Pass
CP-OFDM 64 QAM	2595	Outer_Full	38.11	40.88	/	Pass
	2600	Outer_Full	38.19	40.76	/	Pass
	2590	Outer_Full	38.18	40.79	/	Pass
CP-OFDM 256 QAM	2595	Outer_Full	38.14	40.78	/	Pass
	2600	Outer_Full	38.09	40.65	/	Pass

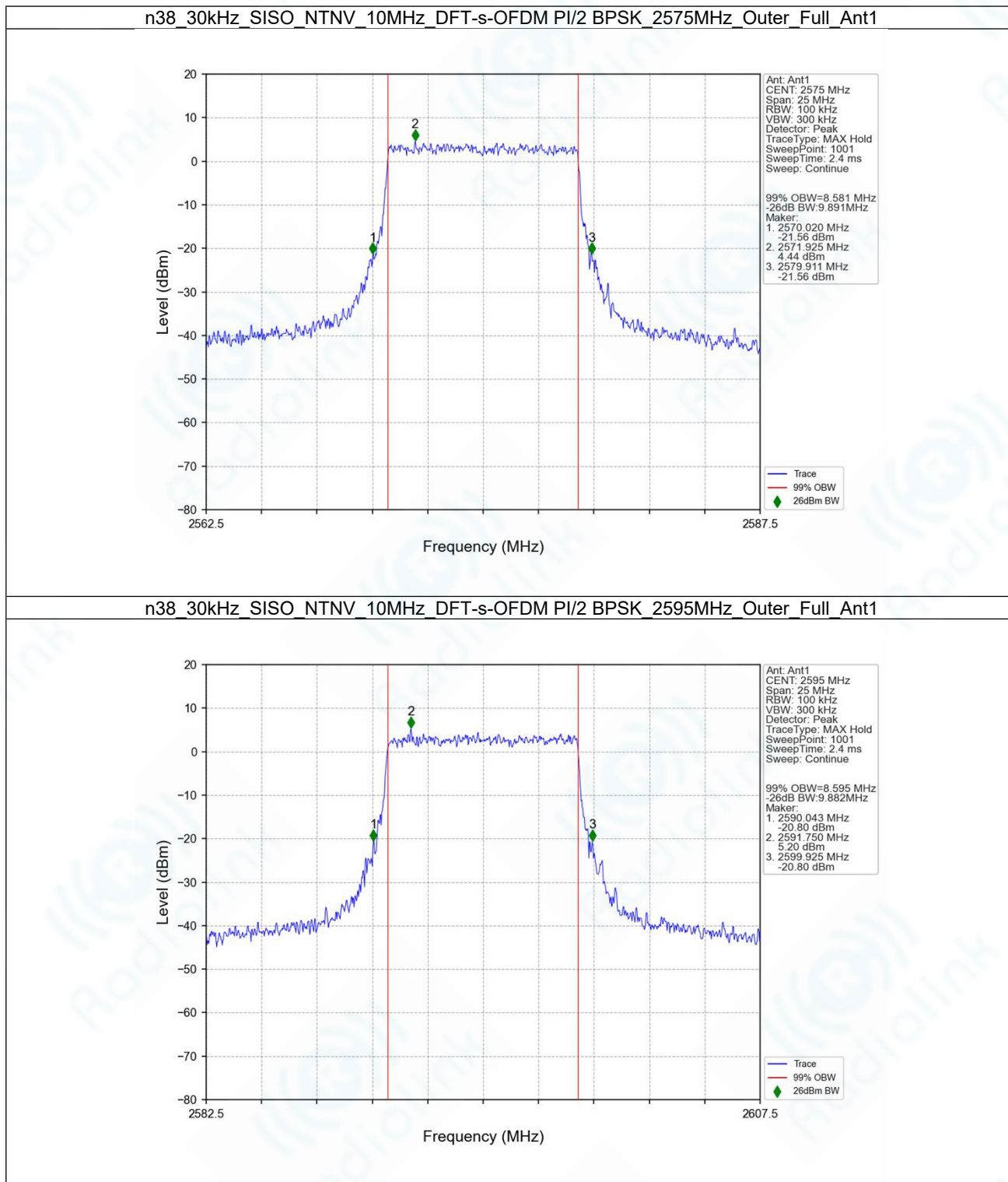


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3.2 Test Graph

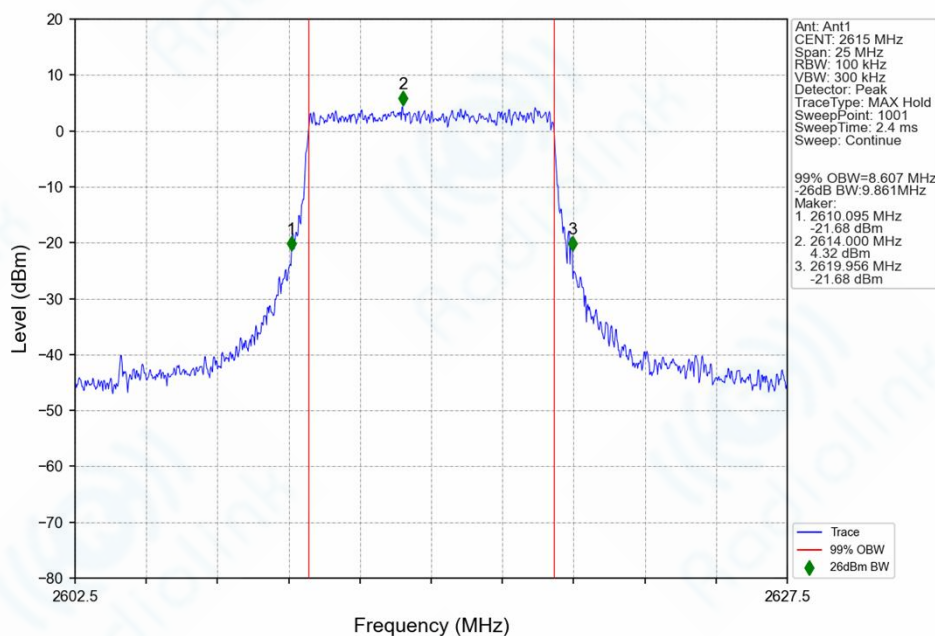
3.2.1 30_S_10M_NTNV



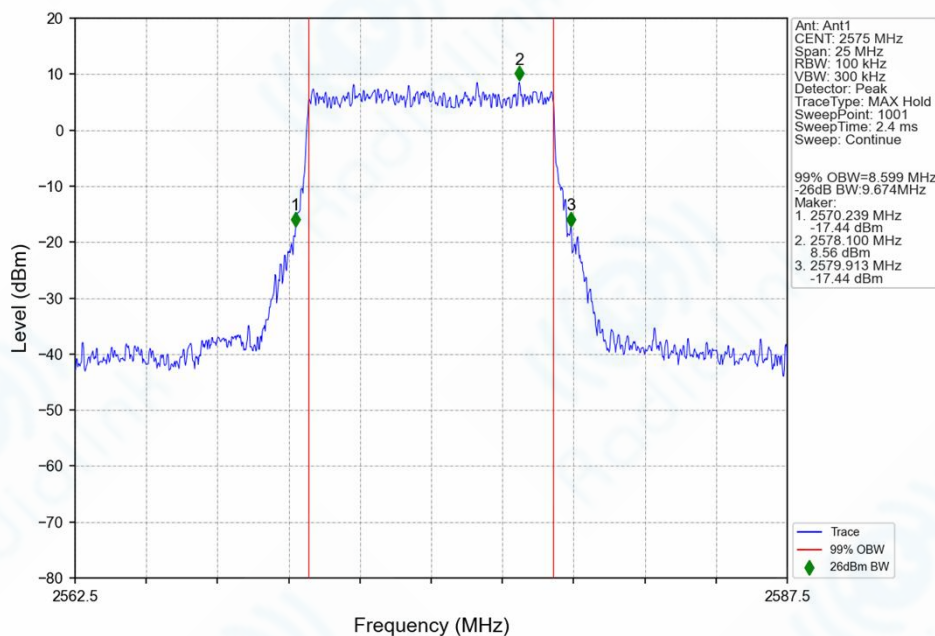
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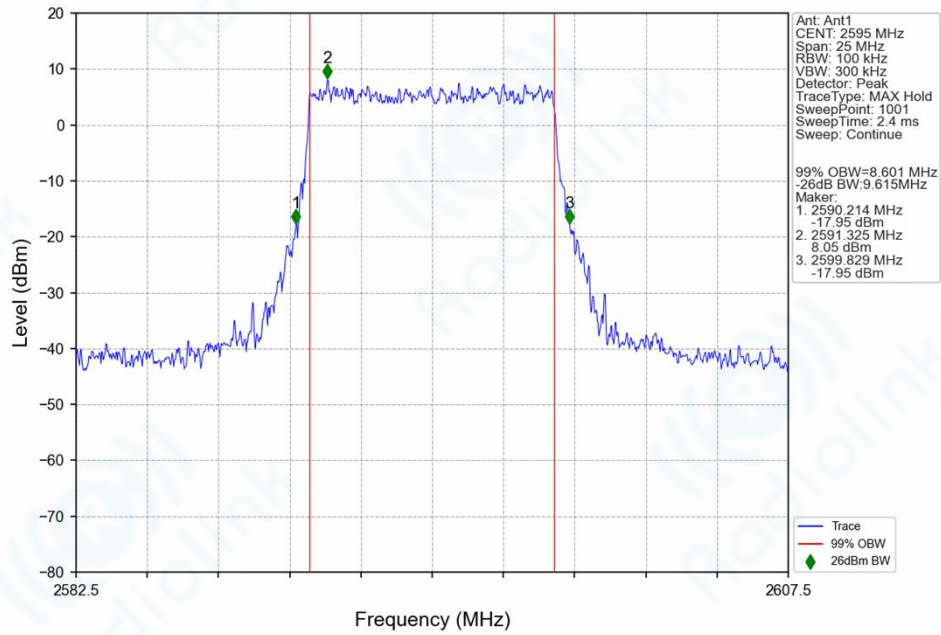
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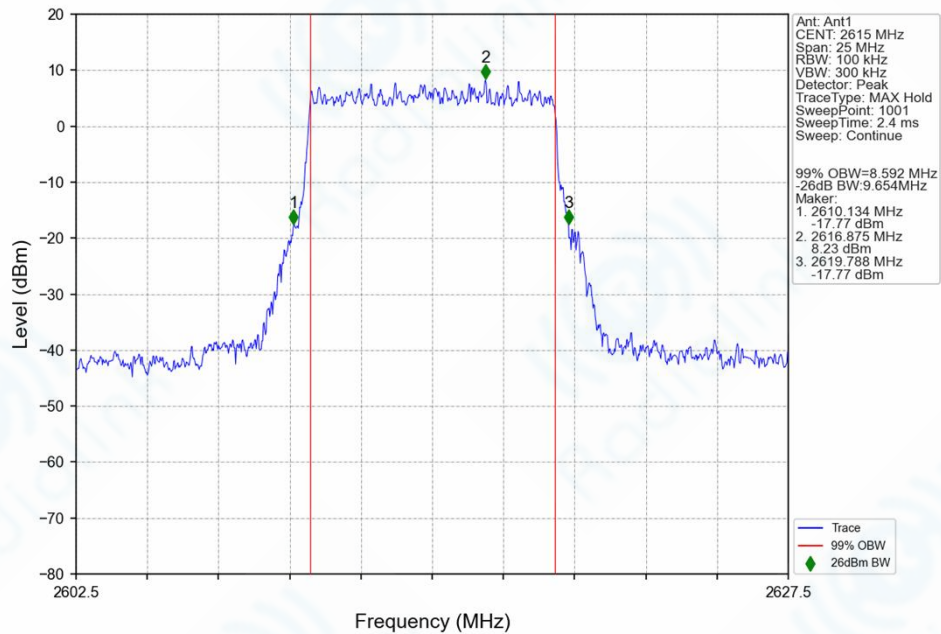
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n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2615MHz_Outer_Full_Ant1

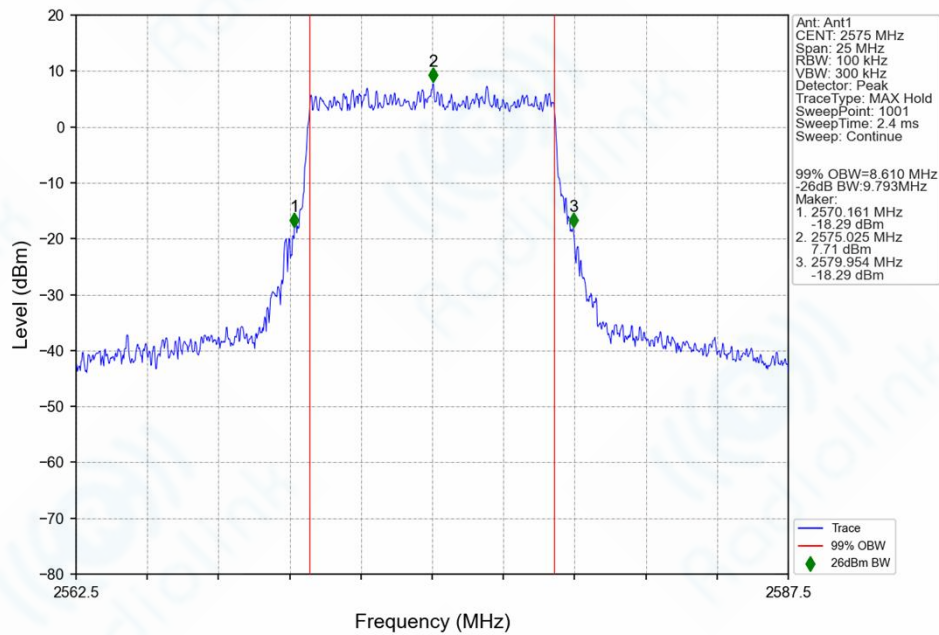


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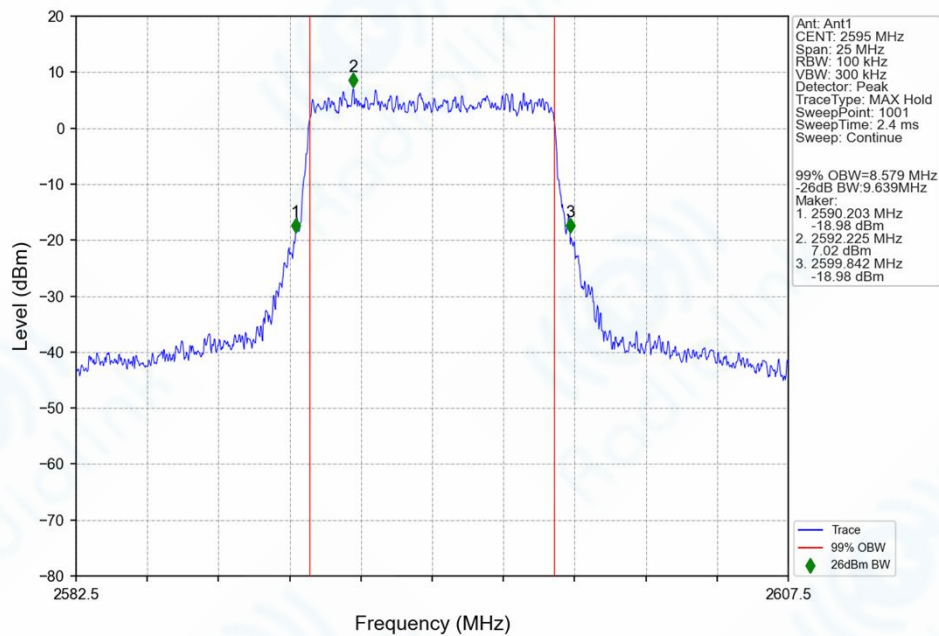
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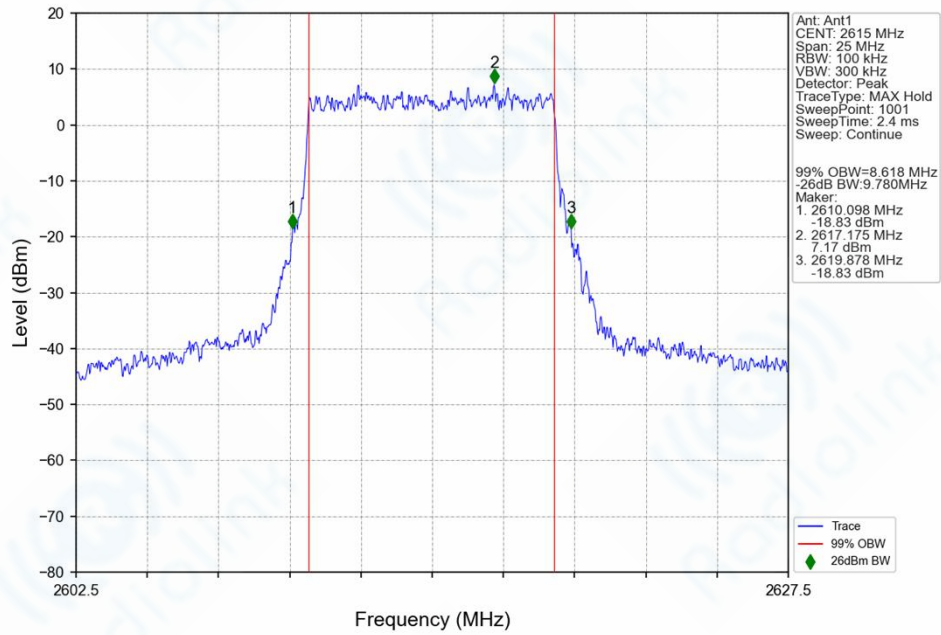
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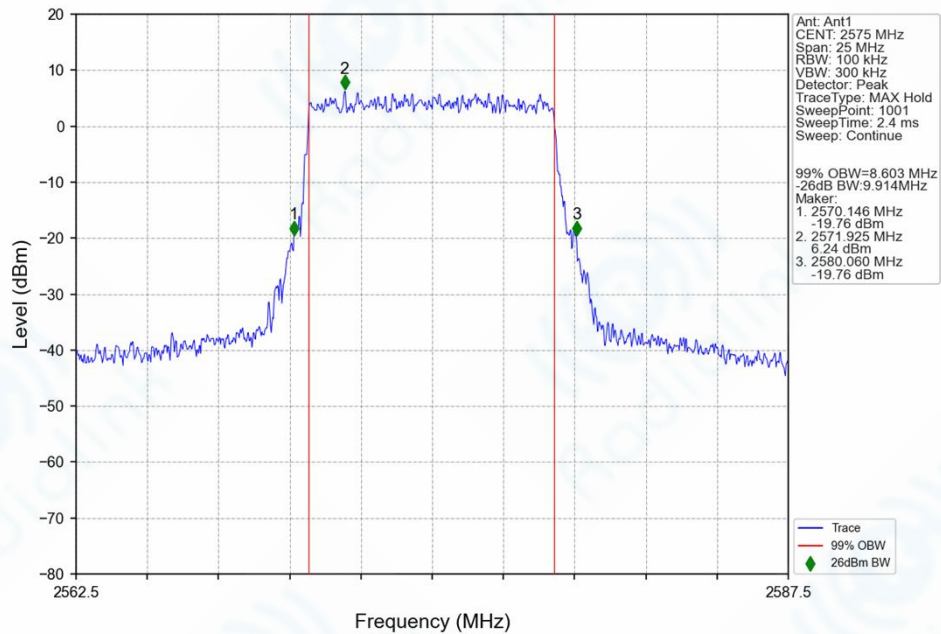
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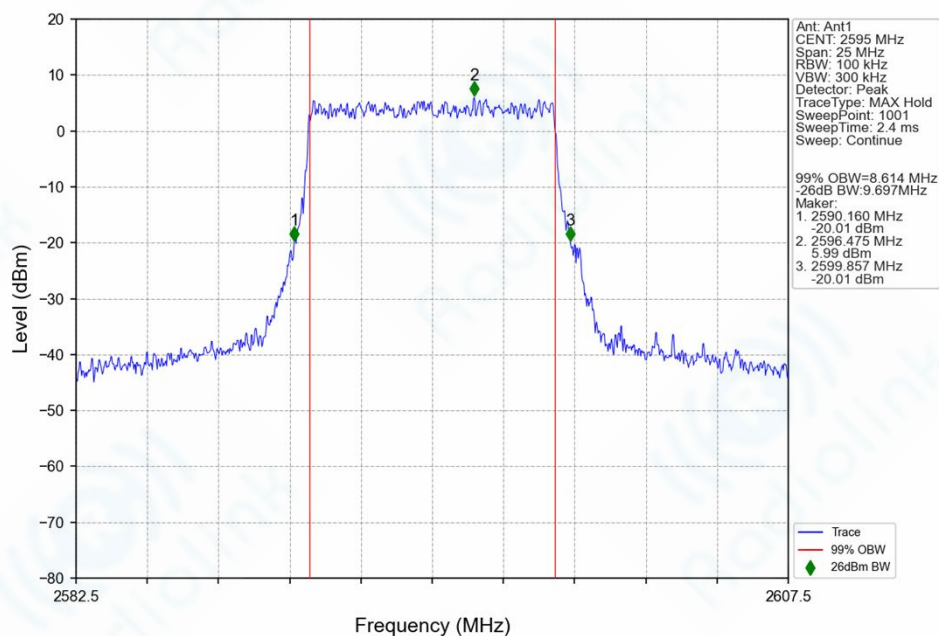
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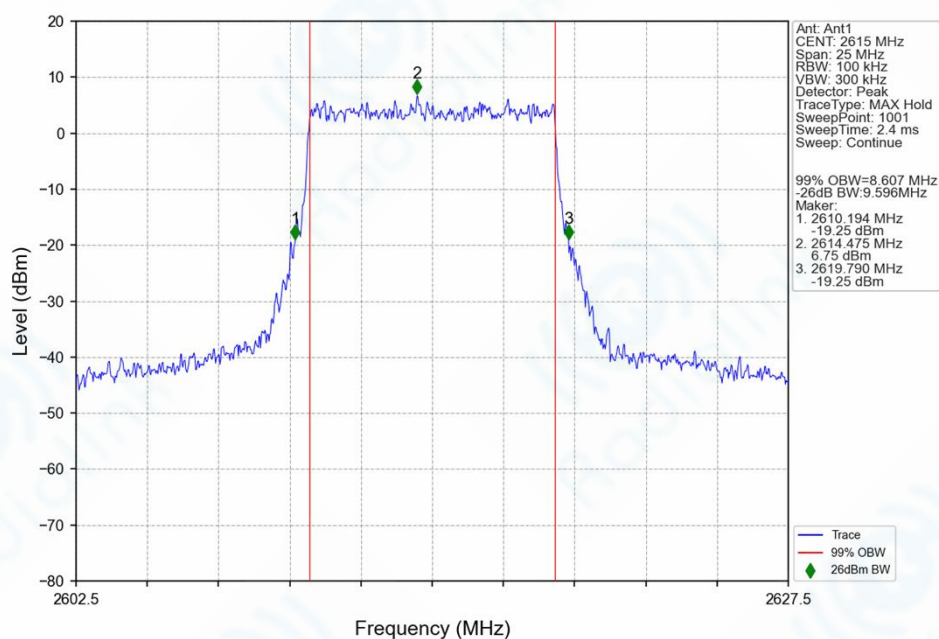
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n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2595MHz_Outer_Full_Ant1

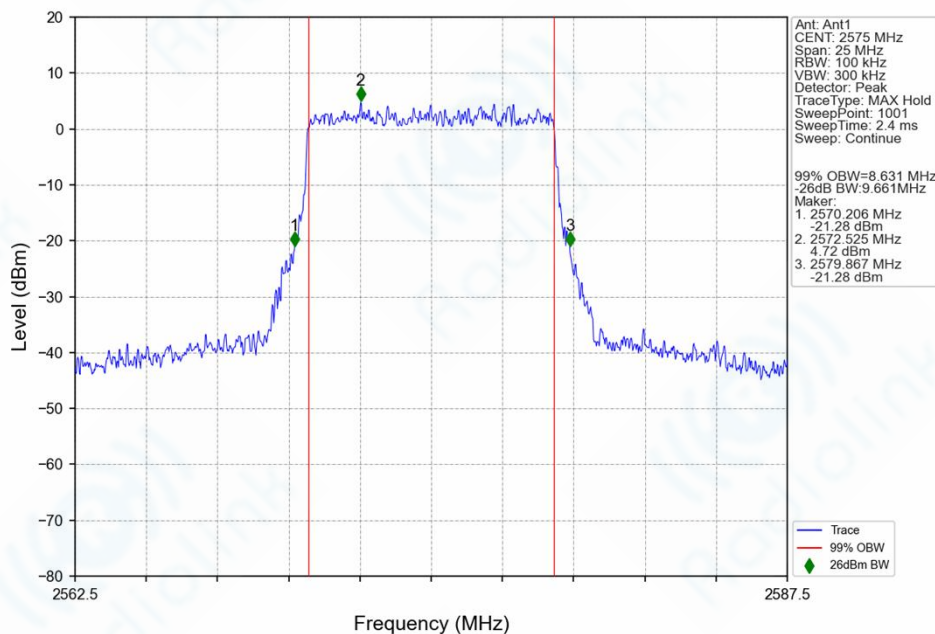


n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2615MHz_Outer_Full_Ant1

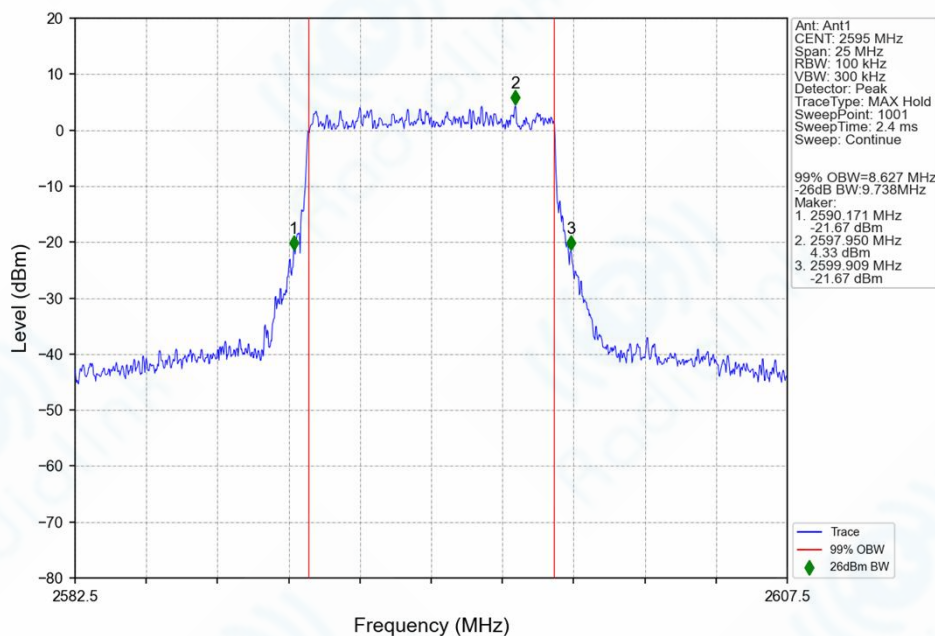

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n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2575MHz_Outer_Full_Ant1



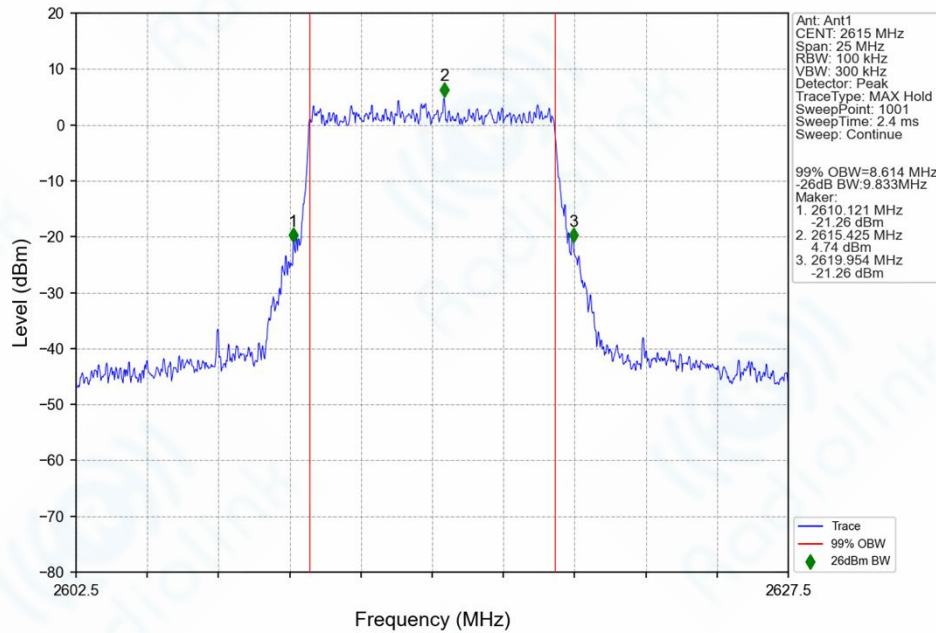
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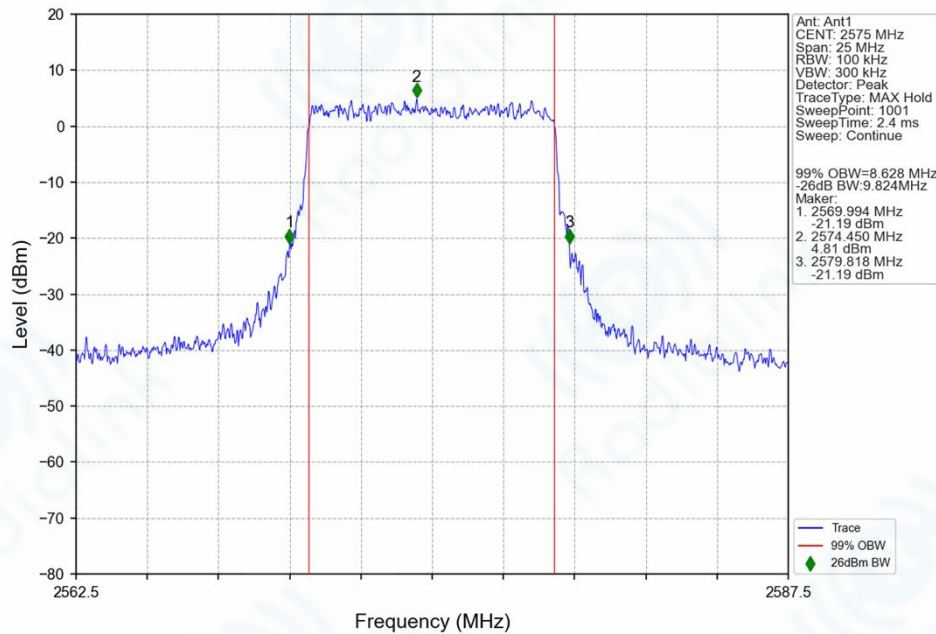
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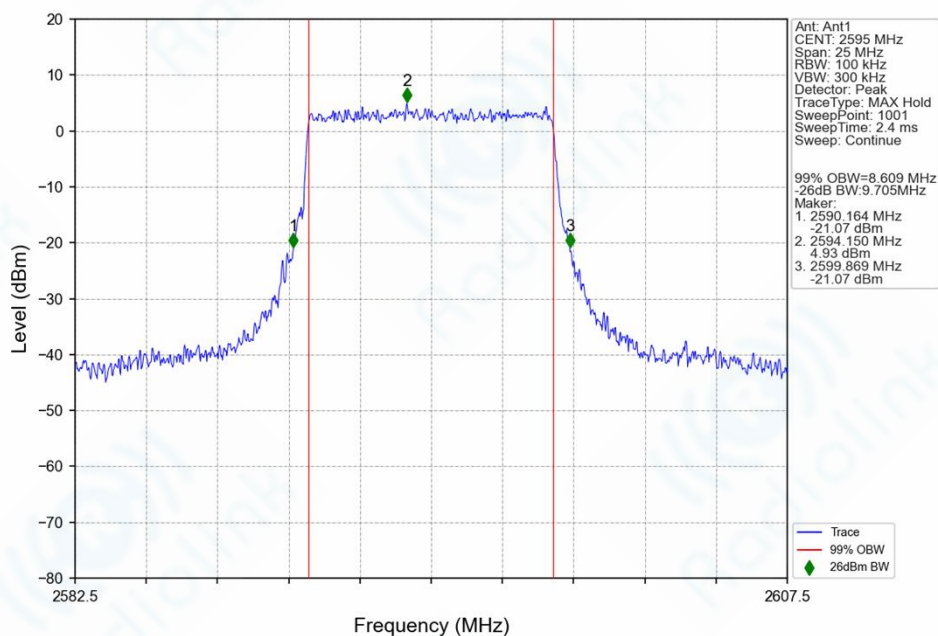
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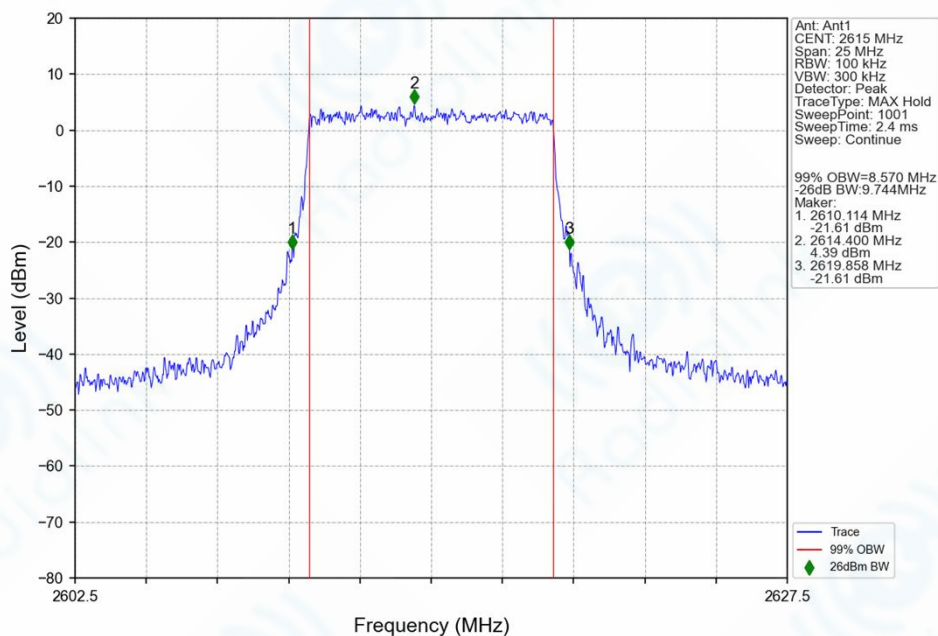
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n38_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2595MHz_Outer_Full_Ant1



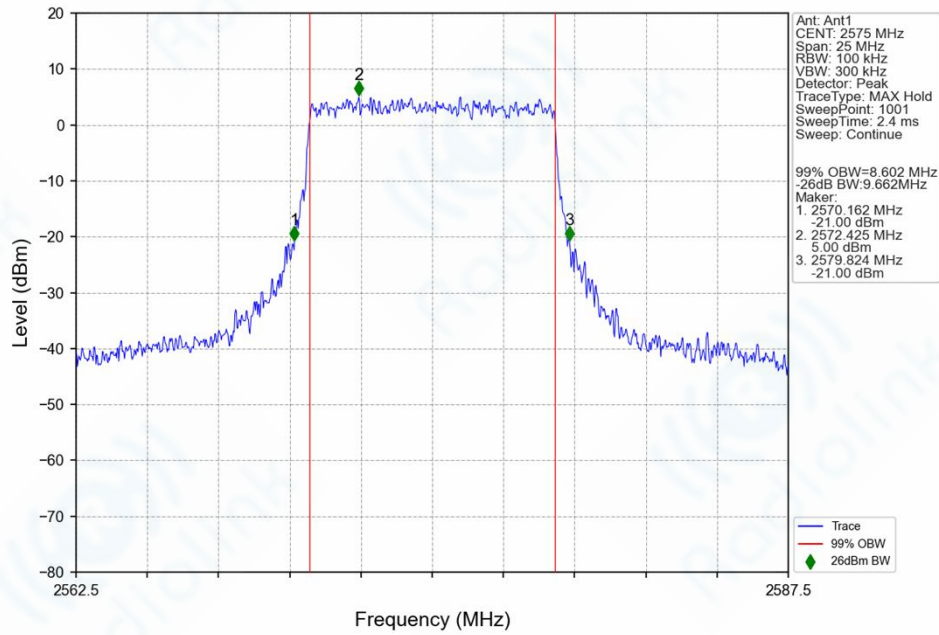
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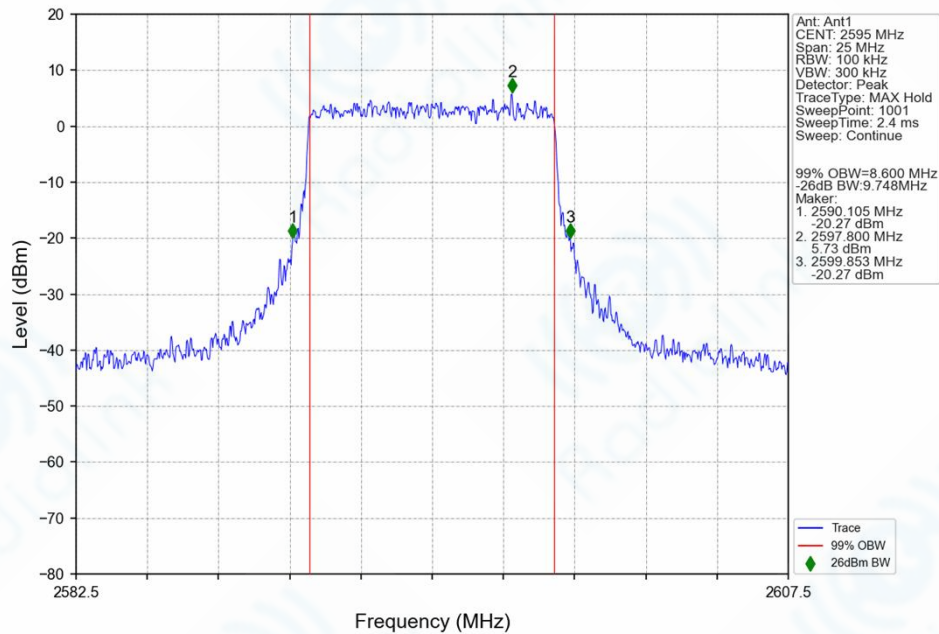
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n38_30kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_2575MHz_Outer_Full_Ant1



n38_30kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_2595MHz_Outer_Full_Ant1


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