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Appendix B.48

NR Band n77(3450-3550)



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1. Effective (Isotropic) Radiated Power Output Data

1.1 30k_SISO_20MHz_NTNV_EIRP

1.1.1 Test Result

5G NR n77d SCS=30kHz SISO 20MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum		
DFT-s-OFDM PI/2 BPSK	3460.02	Edge_1RB_Left	22.31	/	/	25.51	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	25.51	/	/	<=30	Pass
		Outer_Full	25.23	/	/	28.43	/	/	<=30	Pass
		Inner_Full	25.76	/	/	28.96	/	/	<=30	Pass
		Inner_1RB_Left	25.80	/	/	29	/	/	<=30	Pass
		Inner_1RB_Right	25.71	/	/	28.91	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.34	/	/	25.54	/	/	<=30	Pass
		Edge_1RB_Right	22.33	/	/	25.53	/	/	<=30	Pass
		Outer_Full	25.34	/	/	28.54	/	/	<=30	Pass
		Inner_Full	25.81	/	/	29.01	/	/	<=30	Pass
		Inner_1RB_Left	25.68	/	/	28.88	/	/	<=30	Pass
		Inner_1RB_Right	25.81	/	/	29.01	/	/	<=30	Pass
	3540	Edge_1RB_Left	22.00	/	/	25.2	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	25.44	/	/	<=30	Pass
		Outer_Full	25.04	/	/	28.24	/	/	<=30	Pass
		Inner_Full	25.50	/	/	28.7	/	/	<=30	Pass
		Inner_1RB_Left	25.40	/	/	28.6	/	/	<=30	Pass
		Inner_1RB_Right	25.60	/	/	28.8	/	/	<=30	Pass
DFT-s-OFDM QPSK	3460.02	Edge_1RB_Left	22.37	/	/	25.57	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	25.5	/	/	<=30	Pass
		Outer_Full	24.79	/	/	27.99	/	/	<=30	Pass
		Inner_Full	25.70	/	/	28.9	/	/	<=30	Pass
		Inner_1RB_Left	25.74	/	/	28.94	/	/	<=30	Pass
		Inner_1RB_Right	25.76	/	/	28.96	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.40	/	/	25.6	/	/	<=30	Pass
		Edge_1RB_Right	22.36	/	/	25.56	/	/	<=30	Pass
		Outer_Full	24.78	/	/	27.98	/	/	<=30	Pass
		Inner_Full	25.69	/	/	28.89	/	/	<=30	Pass
		Inner_1RB_Left	25.77	/	/	28.97	/	/	<=30	Pass
		Inner_1RB_Right	25.77	/	/	28.97	/	/	<=30	Pass
	3540	Edge_1RB_Left	21.93	/	/	25.13	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	25.32	/	/	<=30	Pass
		Outer_Full	24.53	/	/	27.73	/	/	<=30	Pass
		Inner_Full	25.45	/	/	28.65	/	/	<=30	Pass
		Inner_1RB_Left	25.43	/	/	28.63	/	/	<=30	Pass
		Inner_1RB_Right	25.60	/	/	28.8	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3460.02	Edge_1RB_Left	22.23	/	/	25.43	/	/	<=30	Pass



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		Edge_1RB_Right	22.18	/	/	25.38	/	/	<=30	Pass
		Outer_Full	23.85	/	/	27.05	/	/	<=30	Pass
		Inner_Full	24.78	/	/	27.98	/	/	<=30	Pass
		Inner_1RB_Left	24.68	/	/	27.88	/	/	<=30	Pass
		Inner_1RB_Right	24.59	/	/	27.79	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.22	/	/	25.42	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	25.47	/	/	<=30	Pass
		Outer_Full	23.83	/	/	27.03	/	/	<=30	Pass
		Inner_Full	24.83	/	/	28.03	/	/	<=30	Pass
		Inner_1RB_Left	24.64	/	/	27.84	/	/	<=30	Pass
	3540	Inner_1RB_Right	24.61	/	/	27.81	/	/	<=30	Pass
		Edge_1RB_Left	21.95	/	/	25.15	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	25.25	/	/	<=30	Pass
		Outer_Full	23.58	/	/	26.78	/	/	<=30	Pass
		Inner_Full	24.46	/	/	27.66	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3460.02	Inner_1RB_Left	24.36	/	/	27.56	/	/	<=30	Pass
		Inner_1RB_Right	24.59	/	/	27.79	/	/	<=30	Pass
		Edge_1RB_Left	22.41	/	/	25.61	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	25.51	/	/	<=30	Pass
		Outer_Full	23.31	/	/	26.51	/	/	<=30	Pass
	3500.01	Inner_Full	23.24	/	/	26.44	/	/	<=30	Pass
		Inner_1RB_Left	23.46	/	/	26.66	/	/	<=30	Pass
		Inner_1RB_Right	23.31	/	/	26.51	/	/	<=30	Pass
		Edge_1RB_Left	22.39	/	/	25.59	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	25.58	/	/	<=30	Pass
	3540	Outer_Full	23.30	/	/	26.5	/	/	<=30	Pass
		Inner_Full	23.40	/	/	26.6	/	/	<=30	Pass
		Inner_1RB_Left	23.42	/	/	26.62	/	/	<=30	Pass
		Inner_1RB_Right	23.46	/	/	26.66	/	/	<=30	Pass
		Edge_1RB_Left	22.11	/	/	25.31	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3460.02	Edge_1RB_Right	22.27	/	/	25.47	/	/	<=30	Pass
		Outer_Full	22.99	/	/	26.19	/	/	<=30	Pass
		Inner_Full	22.98	/	/	26.18	/	/	<=30	Pass
		Inner_1RB_Left	23.13	/	/	26.33	/	/	<=30	Pass
		Inner_1RB_Right	23.30	/	/	26.5	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.30	/	/	24.5	/	/	<=30	Pass
		Edge_1RB_Right	21.19	/	/	24.39	/	/	<=30	Pass
		Outer_Full	21.36	/	/	24.56	/	/	<=30	Pass
		Inner_Full	21.28	/	/	24.48	/	/	<=30	Pass
		Inner_1RB_Left	21.30	/	/	24.5	/	/	<=30	Pass
	3540	Inner_1RB_Right	21.23	/	/	24.43	/	/	<=30	Pass
		Edge_1RB_Left	21.30	/	/	24.5	/	/	<=30	Pass
		Edge_1RB_Right	21.22	/	/	24.42	/	/	<=30	Pass
		Outer_Full	21.37	/	/	24.57	/	/	<=30	Pass
		Inner_Full	21.26	/	/	24.46	/	/	<=30	Pass
		Inner_1RB_Left	21.30	/	/	24.5	/	/	<=30	Pass
		Inner_1RB_Right	21.14	/	/	24.34	/	/	<=30	Pass
		Edge_1RB_Left	20.87	/	/	24.07	/	/	<=30	Pass



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		Edge_1RB_Right	21.12	/	/	24.32	/	/	<=30	Pass
		Outer_Full	20.99	/	/	24.19	/	/	<=30	Pass
		Inner_Full	21.00	/	/	24.2	/	/	<=30	Pass
		Inner_1RB_Left	20.98	/	/	24.18	/	/	<=30	Pass
		Inner_1RB_Right	21.11	/	/	24.31	/	/	<=30	Pass
CP-OFDM QPSK	3460.02	Edge_1RB_Left	22.33	/	/	25.53	/	/	<=30	Pass
		Edge_1RB_Right	22.37	/	/	25.57	/	/	<=30	Pass
		Outer_Full	22.81	/	/	26.01	/	/	<=30	Pass
		Inner_Full	24.25	/	/	27.45	/	/	<=30	Pass
		Inner_1RB_Left	24.32	/	/	27.52	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	24.36	/	/	27.56	/	/	<=30	Pass
		Edge_1RB_Left	22.21	/	/	25.41	/	/	<=30	Pass
		Edge_1RB_Right	22.45	/	/	25.65	/	/	<=30	Pass
		Outer_Full	22.79	/	/	25.99	/	/	<=30	Pass
		Inner_Full	24.27	/	/	27.47	/	/	<=30	Pass
	3540	Inner_1RB_Left	24.24	/	/	27.44	/	/	<=30	Pass
		Inner_1RB_Right	24.32	/	/	27.52	/	/	<=30	Pass
		Edge_1RB_Left	22.04	/	/	25.24	/	/	<=30	Pass
		Edge_1RB_Right	22.19	/	/	25.39	/	/	<=30	Pass
		Outer_Full	22.50	/	/	25.7	/	/	<=30	Pass
CP-OFDM 16 QAM	3460.02	Inner_Full	23.96	/	/	27.16	/	/	<=30	Pass
		Inner_1RB_Left	24.02	/	/	27.22	/	/	<=30	Pass
		Inner_1RB_Right	24.19	/	/	27.39	/	/	<=30	Pass
		Edge_1RB_Left	22.16	/	/	25.36	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	25.26	/	/	<=30	Pass
	3500.01	Outer_Full	22.84	/	/	26.04	/	/	<=30	Pass
		Inner_Full	23.77	/	/	26.97	/	/	<=30	Pass
		Inner_1RB_Left	23.71	/	/	26.91	/	/	<=30	Pass
		Inner_1RB_Right	23.61	/	/	26.81	/	/	<=30	Pass
		Edge_1RB_Left	22.14	/	/	25.34	/	/	<=30	Pass
	3540	Edge_1RB_Right	22.19	/	/	25.39	/	/	<=30	Pass
		Outer_Full	22.79	/	/	25.99	/	/	<=30	Pass
		Inner_Full	23.78	/	/	26.98	/	/	<=30	Pass
		Inner_1RB_Left	23.77	/	/	26.97	/	/	<=30	Pass
		Inner_1RB_Right	23.79	/	/	26.99	/	/	<=30	Pass
CP-OFDM 64 QAM	3460.02	Edge_1RB_Left	21.87	/	/	25.07	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	25.15	/	/	<=30	Pass
		Outer_Full	22.56	/	/	25.76	/	/	<=30	Pass
		Inner_Full	23.50	/	/	26.7	/	/	<=30	Pass
		Inner_1RB_Left	23.39	/	/	26.59	/	/	<=30	Pass
3500.01	Inner_1RB_Right	23.62	/	/	26.82	/	/	<=30	Pass	
	Edge_1RB_Left	22.36	/	/	25.56	/	/	<=30	Pass	
	Edge_1RB_Right	22.37	/	/	25.57	/	/	<=30	Pass	
	Outer_Full	22.32	/	/	25.52	/	/	<=30	Pass	
	Inner_Full	22.29	/	/	25.49	/	/	<=30	Pass	



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CP-OFDM 256 QAM	3540	Edge_1RB_Right	22.41	/	/	25.61	/	/	<=30	Pass	
		Outer_Full	22.24	/	/	25.44	/	/	<=30	Pass	
		Inner_Full	22.24	/	/	25.44	/	/	<=30	Pass	
		Inner_1RB_Left	22.46	/	/	25.66	/	/	<=30	Pass	
		Inner_1RB_Right	22.32	/	/	25.52	/	/	<=30	Pass	
	3540	Edge_1RB_Right	22.10	/	/	25.3	/	/	<=30	Pass	
		Edge_1RB_Right	22.43	/	/	25.63	/	/	<=30	Pass	
		Outer_Full	22.02	/	/	25.22	/	/	<=30	Pass	
		Inner_Full	22.02	/	/	25.22	/	/	<=30	Pass	
		Inner_1RB_Left	22.14	/	/	25.34	/	/	<=30	Pass	
	3460.02	3500.01	Inner_1RB_Right	22.25	/	/	25.45	/	/	<=30	Pass
			Edge_1RB_Left	19.23	/	/	22.43	/	/	<=30	Pass
			Edge_1RB_Right	19.18	/	/	22.38	/	/	<=30	Pass
			Outer_Full	19.33	/	/	22.53	/	/	<=30	Pass
			Inner_Full	19.30	/	/	22.5	/	/	<=30	Pass
3540		Inner_1RB_Left	19.21	/	/	22.41	/	/	<=30	Pass	
		Inner_1RB_Right	19.19	/	/	22.39	/	/	<=30	Pass	
		Edge_1RB_Left	19.12	/	/	22.32	/	/	<=30	Pass	
		Edge_1RB_Right	19.34	/	/	22.54	/	/	<=30	Pass	
		Outer_Full	19.22	/	/	22.42	/	/	<=30	Pass	
3540	Inner_Full	19.39	/	/	22.59	/	/	<=30	Pass		
	Inner_1RB_Left	19.24	/	/	22.44	/	/	<=30	Pass		
	Inner_1RB_Right	19.24	/	/	22.44	/	/	<=30	Pass		
	Edge_1RB_Left	18.90	/	/	22.1	/	/	<=30	Pass		
	Edge_1RB_Right	19.19	/	/	22.39	/	/	<=30	Pass		
3540	Outer_Full	18.95	/	/	22.15	/	/	<=30	Pass		
	Inner_Full	19.07	/	/	22.27	/	/	<=30	Pass		
	Inner_1RB_Left	19.05	/	/	22.25	/	/	<=30	Pass		
	Inner_1RB_Right	19.12	/	/	22.32	/	/	<=30	Pass		

Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;
 Note2: EIRP=Conducted Power+Antenna Gain

1.2 30k_SISO_30MHz_NTNV_EIRP

1.2.1 Test Result

5G NR n77d SCS=30kHz SISO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3465	Edge_1RB_Left	22.28	/	/	25.48	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	25.38	/	/	<=30	Pass
		Outer_Full	25.27	/	/	28.47	/	/	<=30	Pass
		Inner_Full	25.69	/	/	28.89	/	/	<=30	Pass
		Inner_1RB_Left	25.79	/	/	28.99	/	/	<=30	Pass
	Inner_1RB_Right	25.67	/	/	28.87	/	/	<=30	Pass	
	3500.01	Edge_1RB_Left	22.30	/	/	25.5	/	/	<=30	Pass



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		Edge_1RB_Right	22.29	/	/	25.49	/	/	<=30	Pass
		Outer_Full	25.20	/	/	28.4	/	/	<=30	Pass
		Inner_Full	25.71	/	/	28.91	/	/	<=30	Pass
		Inner_1RB_Left	25.71	/	/	28.91	/	/	<=30	Pass
		Inner_1RB_Right	25.78	/	/	28.98	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.20	/	/	25.4	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	25.43	/	/	<=30	Pass
		Outer_Full	25.09	/	/	28.29	/	/	<=30	Pass
		Inner_Full	25.45	/	/	28.65	/	/	<=30	Pass
		Inner_1RB_Left	25.67	/	/	28.87	/	/	<=30	Pass
DFT-s-OFDM QPSK	3465	Inner_1RB_Right	25.68	/	/	28.88	/	/	<=30	Pass
		Edge_1RB_Left	22.30	/	/	25.5	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	25.47	/	/	<=30	Pass
		Outer_Full	24.70	/	/	27.9	/	/	<=30	Pass
		Inner_Full	25.62	/	/	28.82	/	/	<=30	Pass
	3500.01	Inner_1RB_Left	25.73	/	/	28.93	/	/	<=30	Pass
		Inner_1RB_Right	25.66	/	/	28.86	/	/	<=30	Pass
		Edge_1RB_Left	22.33	/	/	25.53	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	25.43	/	/	<=30	Pass
		Outer_Full	24.81	/	/	28.01	/	/	<=30	Pass
3534.99	Inner_Full	25.79	/	/	28.99	/	/	<=30	Pass	
	Inner_1RB_Left	25.73	/	/	28.93	/	/	<=30	Pass	
	Inner_1RB_Right	25.77	/	/	28.97	/	/	<=30	Pass	
	Edge_1RB_Left	22.24	/	/	25.44	/	/	<=30	Pass	
	Edge_1RB_Right	22.20	/	/	25.4	/	/	<=30	Pass	
DFT-s-OFDM 16 QAM	3465	Outer_Full	24.58	/	/	27.78	/	/	<=30	Pass
		Inner_Full	25.50	/	/	28.7	/	/	<=30	Pass
		Inner_1RB_Left	25.70	/	/	28.9	/	/	<=30	Pass
		Inner_1RB_Right	25.78	/	/	28.98	/	/	<=30	Pass
		Edge_1RB_Left	22.07	/	/	25.27	/	/	<=30	Pass
	3500.01	Edge_1RB_Right	22.01	/	/	25.21	/	/	<=30	Pass
		Outer_Full	23.76	/	/	26.96	/	/	<=30	Pass
		Inner_Full	24.71	/	/	27.91	/	/	<=30	Pass
		Inner_1RB_Left	24.61	/	/	27.81	/	/	<=30	Pass
		Inner_1RB_Right	24.55	/	/	27.75	/	/	<=30	Pass
3534.99	Edge_1RB_Left	22.31	/	/	25.51	/	/	<=30	Pass	
	Edge_1RB_Right	22.20	/	/	25.4	/	/	<=30	Pass	
	Outer_Full	23.82	/	/	27.02	/	/	<=30	Pass	
	Inner_Full	24.72	/	/	27.92	/	/	<=30	Pass	
	Inner_1RB_Left	24.60	/	/	27.8	/	/	<=30	Pass	
3500.01	Inner_1RB_Right	24.63	/	/	27.83	/	/	<=30	Pass	
	Edge_1RB_Left	22.16	/	/	25.36	/	/	<=30	Pass	
	Edge_1RB_Right	22.11	/	/	25.31	/	/	<=30	Pass	
	Outer_Full	23.69	/	/	26.89	/	/	<=30	Pass	
	Inner_Full	24.56	/	/	27.76	/	/	<=30	Pass	
DFT-s-OFDM 64 QAM	3465	Inner_1RB_Left	24.58	/	/	27.78	/	/	<=30	Pass
		Inner_1RB_Right	24.57	/	/	27.77	/	/	<=30	Pass
		Edge_1RB_Left	22.31	/	/	25.51	/	/	<=30	Pass



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		Edge_1RB_Right	22.38	/	/	25.58	/	/	<=30	Pass
		Outer_Full	23.23	/	/	26.43	/	/	<=30	Pass
		Inner_Full	23.19	/	/	26.39	/	/	<=30	Pass
		Inner_1RB_Left	23.42	/	/	26.62	/	/	<=30	Pass
		Inner_1RB_Right	23.36	/	/	26.56	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.35	/	/	25.55	/	/	<=30	Pass
		Edge_1RB_Right	22.41	/	/	25.61	/	/	<=30	Pass
		Outer_Full	23.31	/	/	26.51	/	/	<=30	Pass
		Inner_Full	23.36	/	/	26.56	/	/	<=30	Pass
		Inner_1RB_Left	23.41	/	/	26.61	/	/	<=30	Pass
	3534.99	Inner_1RB_Right	23.40	/	/	26.6	/	/	<=30	Pass
		Edge_1RB_Left	22.33	/	/	25.53	/	/	<=30	Pass
		Edge_1RB_Right	22.28	/	/	25.48	/	/	<=30	Pass
		Outer_Full	23.14	/	/	26.34	/	/	<=30	Pass
		Inner_Full	23.02	/	/	26.22	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3465	Inner_1RB_Left	23.35	/	/	26.55	/	/	<=30	Pass
		Inner_1RB_Right	23.37	/	/	26.57	/	/	<=30	Pass
		Edge_1RB_Left	21.15	/	/	24.35	/	/	<=30	Pass
		Edge_1RB_Right	21.07	/	/	24.27	/	/	<=30	Pass
		Outer_Full	21.22	/	/	24.42	/	/	<=30	Pass
	3500.01	Inner_Full	21.23	/	/	24.43	/	/	<=30	Pass
		Inner_1RB_Left	21.10	/	/	24.3	/	/	<=30	Pass
		Inner_1RB_Right	21.03	/	/	24.23	/	/	<=30	Pass
		Edge_1RB_Left	21.14	/	/	24.34	/	/	<=30	Pass
		Edge_1RB_Right	21.24	/	/	24.44	/	/	<=30	Pass
	3534.99	Outer_Full	21.40	/	/	24.6	/	/	<=30	Pass
		Inner_Full	21.23	/	/	24.43	/	/	<=30	Pass
		Inner_1RB_Left	21.17	/	/	24.37	/	/	<=30	Pass
		Inner_1RB_Right	21.13	/	/	24.33	/	/	<=30	Pass
		Edge_1RB_Left	21.16	/	/	24.36	/	/	<=30	Pass
CP-OFDM QPSK	3465	Edge_1RB_Right	21.12	/	/	24.32	/	/	<=30	Pass
		Outer_Full	21.20	/	/	24.4	/	/	<=30	Pass
		Inner_Full	20.93	/	/	24.13	/	/	<=30	Pass
		Inner_1RB_Left	21.23	/	/	24.43	/	/	<=30	Pass
		Inner_1RB_Right	21.11	/	/	24.31	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.33	/	/	25.53	/	/	<=30	Pass
		Edge_1RB_Right	22.29	/	/	25.49	/	/	<=30	Pass
		Outer_Full	22.77	/	/	25.97	/	/	<=30	Pass
		Inner_Full	24.19	/	/	27.39	/	/	<=30	Pass
		Inner_1RB_Left	24.17	/	/	27.37	/	/	<=30	Pass
	3534.99	Inner_1RB_Right	24.15	/	/	27.35	/	/	<=30	Pass
		Edge_1RB_Left	22.23	/	/	25.43	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	25.51	/	/	<=30	Pass
		Outer_Full	22.83	/	/	26.03	/	/	<=30	Pass
		Inner_Full	24.21	/	/	27.41	/	/	<=30	Pass
		Inner_1RB_Left	24.29	/	/	27.49	/	/	<=30	Pass
		Inner_1RB_Right	24.33	/	/	27.53	/	/	<=30	Pass
		Edge_1RB_Left	22.41	/	/	25.61	/	/	<=30	Pass



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		Edge_1RB_Right	22.35	/	/	25.55	/	/	<=30	Pass
		Outer_Full	22.56	/	/	25.76	/	/	<=30	Pass
		Inner_Full	9.29	/	/	12.49	/	/	<=30	Pass
		Inner_1RB_Left	24.19	/	/	27.39	/	/	<=30	Pass
		Inner_1RB_Right	24.26	/	/	27.46	/	/	<=30	Pass
CP-OFDM 16 QAM	3465	Edge_1RB_Left	22.10	/	/	25.3	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	25.38	/	/	<=30	Pass
		Outer_Full	22.83	/	/	26.03	/	/	<=30	Pass
		Inner_Full	23.67	/	/	26.87	/	/	<=30	Pass
		Inner_1RB_Left	23.57	/	/	26.77	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.63	/	/	26.83	/	/	<=30	Pass
		Edge_1RB_Left	22.18	/	/	25.38	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	25.44	/	/	<=30	Pass
		Outer_Full	22.73	/	/	25.93	/	/	<=30	Pass
		Inner_Full	23.75	/	/	26.95	/	/	<=30	Pass
	3534.99	Inner_1RB_Left	23.72	/	/	26.92	/	/	<=30	Pass
		Inner_1RB_Right	23.61	/	/	26.81	/	/	<=30	Pass
		Edge_1RB_Left	22.08	/	/	25.28	/	/	<=30	Pass
		Edge_1RB_Right	22.15	/	/	25.35	/	/	<=30	Pass
		Outer_Full	22.66	/	/	25.86	/	/	<=30	Pass
CP-OFDM 64 QAM	3465	Inner_Full	23.53	/	/	26.73	/	/	<=30	Pass
		Inner_1RB_Left	23.65	/	/	26.85	/	/	<=30	Pass
		Inner_1RB_Right	23.68	/	/	26.88	/	/	<=30	Pass
		Edge_1RB_Left	22.25	/	/	25.45	/	/	<=30	Pass
		Edge_1RB_Right	22.33	/	/	25.53	/	/	<=30	Pass
	3500.01	Outer_Full	22.29	/	/	25.49	/	/	<=30	Pass
		Inner_Full	22.20	/	/	25.4	/	/	<=30	Pass
		Inner_1RB_Left	22.31	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Right	22.27	/	/	25.47	/	/	<=30	Pass
		Edge_1RB_Left	22.29	/	/	25.49	/	/	<=30	Pass
	3534.99	Edge_1RB_Right	22.32	/	/	25.52	/	/	<=30	Pass
		Outer_Full	22.26	/	/	25.46	/	/	<=30	Pass
		Inner_Full	22.32	/	/	25.52	/	/	<=30	Pass
		Inner_1RB_Left	22.30	/	/	25.5	/	/	<=30	Pass
		Inner_1RB_Right	22.41	/	/	25.61	/	/	<=30	Pass
CP-OFDM 256 QAM	3465	Edge_1RB_Left	22.29	/	/	25.49	/	/	<=30	Pass
		Edge_1RB_Right	22.47	/	/	25.67	/	/	<=30	Pass
		Outer_Full	22.16	/	/	25.36	/	/	<=30	Pass
		Inner_Full	22.01	/	/	25.21	/	/	<=30	Pass
		Inner_1RB_Left	22.49	/	/	25.69	/	/	<=30	Pass
3500.01	Inner_1RB_Right	22.33	/	/	25.53	/	/	<=30	Pass	
	Edge_1RB_Left	19.24	/	/	22.44	/	/	<=30	Pass	
	Edge_1RB_Right	19.06	/	/	22.26	/	/	<=30	Pass	
	Outer_Full	19.22	/	/	22.42	/	/	<=30	Pass	
	Inner_Full	19.10	/	/	22.3	/	/	<=30	Pass	
	3500.01	Inner_1RB_Left	19.28	/	/	22.48	/	/	<=30	Pass
		Inner_1RB_Right	19.05	/	/	22.25	/	/	<=30	Pass
		Edge_1RB_Left	19.17	/	/	22.37	/	/	<=30	Pass



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		Edge_1RB_Right	19.30	/	/	22.5	/	/	<=30	Pass
		Outer_Full	19.31	/	/	22.51	/	/	<=30	Pass
		Inner_Full	19.31	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Left	19.27	/	/	22.47	/	/	<=30	Pass
		Inner_1RB_Right	19.30	/	/	22.5	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	19.23	/	/	22.43	/	/	<=30	Pass
		Edge_1RB_Right	19.17	/	/	22.37	/	/	<=30	Pass
		Outer_Full	19.07	/	/	22.27	/	/	<=30	Pass
		Inner_Full	19.06	/	/	22.26	/	/	<=30	Pass
		Inner_1RB_Left	19.19	/	/	22.39	/	/	<=30	Pass
		Inner_1RB_Right	19.22	/	/	22.42	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;
 Note2: EIRP=Conducted Power+Antenna Gain

1.3 30k_SISO_40MHz_NTNV_EIRP

1.3.1 Test Result

5G NR n77d SCS=30kHz SISO 40MHz NTNv											
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict	
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3470.01	Edge_1RB_Left	22.41	/	/	25.61	/	/	<=30	Pass	
		Edge_1RB_Right	22.54	/	/	25.74	/	/	<=30	Pass	
		Outer_Full	25.31	/	/	28.51	/	/	<=30	Pass	
		Inner_Full	25.81	/	/	29.01	/	/	<=30	Pass	
		Inner_1RB_Left	25.86	/	/	29.06	/	/	<=30	Pass	
			Inner_1RB_Right	25.81	/	/	29.01	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.36	/	/	25.56	/	/	<=30	Pass	
		Edge_1RB_Right	22.40	/	/	25.6	/	/	<=30	Pass	
		Outer_Full	25.33	/	/	28.53	/	/	<=30	Pass	
		Inner_Full	25.75	/	/	28.95	/	/	<=30	Pass	
		Inner_1RB_Left	25.89	/	/	29.09	/	/	<=30	Pass	
			Inner_1RB_Right	25.78	/	/	28.98	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.38	/	/	25.58	/	/	<=30	Pass	
		Edge_1RB_Right	22.21	/	/	25.41	/	/	<=30	Pass	
		Outer_Full	25.10	/	/	28.3	/	/	<=30	Pass	
Inner_Full		25.54	/	/	28.74	/	/	<=30	Pass		
Inner_1RB_Left		25.69	/	/	28.89	/	/	<=30	Pass		
		Inner_1RB_Right	25.72	/	/	28.92	/	/	<=30	Pass	
DFT-s-OFDM QPSK	3470.01	Edge_1RB_Left	22.35	/	/	25.55	/	/	<=30	Pass	
		Edge_1RB_Right	22.33	/	/	25.53	/	/	<=30	Pass	
		Outer_Full	24.81	/	/	28.01	/	/	<=30	Pass	
		Inner_Full	25.80	/	/	29	/	/	<=30	Pass	
		Inner_1RB_Left	25.81	/	/	29.01	/	/	<=30	Pass	
			Inner_1RB_Right	25.95	/	/	29.15	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.26	/	/	25.46	/	/	<=30	Pass	



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		Edge_1RB_Right	22.32	/	/	25.52	/	/	<=30	Pass
		Outer_Full	24.78	/	/	27.98	/	/	<=30	Pass
		Inner_Full	25.78	/	/	28.98	/	/	<=30	Pass
		Inner_1RB_Left	25.77	/	/	28.97	/	/	<=30	Pass
		Inner_1RB_Right	25.87	/	/	29.07	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.49	/	/	25.69	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	25.44	/	/	<=30	Pass
		Outer_Full	24.65	/	/	27.85	/	/	<=30	Pass
		Inner_Full	25.50	/	/	28.7	/	/	<=30	Pass
		Inner_1RB_Left	25.89	/	/	29.09	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3470.01	Inner_1RB_Right	25.78	/	/	28.98	/	/	<=30	Pass
		Edge_1RB_Left	22.23	/	/	25.43	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	25.52	/	/	<=30	Pass
		Outer_Full	23.75	/	/	26.95	/	/	<=30	Pass
		Inner_Full	24.81	/	/	28.01	/	/	<=30	Pass
	3500.01	Inner_1RB_Left	24.62	/	/	27.82	/	/	<=30	Pass
		Inner_1RB_Right	24.72	/	/	27.92	/	/	<=30	Pass
		Edge_1RB_Left	22.26	/	/	25.46	/	/	<=30	Pass
		Edge_1RB_Right	22.28	/	/	25.48	/	/	<=30	Pass
		Outer_Full	23.83	/	/	27.03	/	/	<=30	Pass
3529.98	Inner_Full	24.80	/	/	28	/	/	<=30	Pass	
	Inner_1RB_Left	24.73	/	/	27.93	/	/	<=30	Pass	
	Inner_1RB_Right	24.77	/	/	27.97	/	/	<=30	Pass	
	Edge_1RB_Left	22.39	/	/	25.59	/	/	<=30	Pass	
	Edge_1RB_Right	22.18	/	/	25.38	/	/	<=30	Pass	
DFT-s-OFDM 64 QAM	3470.01	Outer_Full	23.61	/	/	26.81	/	/	<=30	Pass
		Inner_Full	24.49	/	/	27.69	/	/	<=30	Pass
		Inner_1RB_Left	24.78	/	/	27.98	/	/	<=30	Pass
		Inner_1RB_Right	24.60	/	/	27.8	/	/	<=30	Pass
		Edge_1RB_Left	22.50	/	/	25.7	/	/	<=30	Pass
	3500.01	Edge_1RB_Right	22.40	/	/	25.6	/	/	<=30	Pass
		Outer_Full	23.36	/	/	26.56	/	/	<=30	Pass
		Inner_Full	23.30	/	/	26.5	/	/	<=30	Pass
		Inner_1RB_Left	23.36	/	/	26.56	/	/	<=30	Pass
		Inner_1RB_Right	23.48	/	/	26.68	/	/	<=30	Pass
3529.98	Edge_1RB_Left	22.45	/	/	25.65	/	/	<=30	Pass	
	Edge_1RB_Right	22.38	/	/	25.58	/	/	<=30	Pass	
	Outer_Full	23.34	/	/	26.54	/	/	<=30	Pass	
	Inner_Full	23.33	/	/	26.53	/	/	<=30	Pass	
	Inner_1RB_Left	23.36	/	/	26.56	/	/	<=30	Pass	
3500.01	Inner_1RB_Right	23.31	/	/	26.51	/	/	<=30	Pass	
	Edge_1RB_Left	22.42	/	/	25.62	/	/	<=30	Pass	
	Edge_1RB_Right	22.31	/	/	25.51	/	/	<=30	Pass	
	Outer_Full	23.17	/	/	26.37	/	/	<=30	Pass	
	Inner_Full	23.05	/	/	26.25	/	/	<=30	Pass	
DFT-s-OFDM 256	3470.01	Inner_1RB_Left	23.47	/	/	26.67	/	/	<=30	Pass
		Inner_1RB_Right	23.32	/	/	26.52	/	/	<=30	Pass
		Edge_1RB_Left	21.30	/	/	24.5	/	/	<=30	Pass



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 Business Laboratory

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QAM		Edge_1RB_Right	21.25	/	/	24.45	/	/	<=30	Pass
		Outer_Full	21.35	/	/	24.55	/	/	<=30	Pass
		Inner_Full	21.22	/	/	24.42	/	/	<=30	Pass
		Inner_1RB_Left	21.35	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Right	21.33	/	/	24.53	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.30	/	/	24.5	/	/	<=30	Pass
		Edge_1RB_Right	21.15	/	/	24.35	/	/	<=30	Pass
		Outer_Full	21.32	/	/	24.52	/	/	<=30	Pass
		Inner_Full	21.20	/	/	24.4	/	/	<=30	Pass
		Inner_1RB_Left	21.09	/	/	24.29	/	/	<=30	Pass
	3529.98	Inner_1RB_Right	21.21	/	/	24.41	/	/	<=30	Pass
		Edge_1RB_Left	21.23	/	/	24.43	/	/	<=30	Pass
		Edge_1RB_Right	21.24	/	/	24.44	/	/	<=30	Pass
		Outer_Full	21.12	/	/	24.32	/	/	<=30	Pass
		Inner_Full	21.00	/	/	24.2	/	/	<=30	Pass
CP-OFDM QPSK	3470.01	Inner_1RB_Left	21.23	/	/	24.43	/	/	<=30	Pass
		Inner_1RB_Right	21.11	/	/	24.31	/	/	<=30	Pass
		Edge_1RB_Left	22.47	/	/	25.67	/	/	<=30	Pass
		Edge_1RB_Right	22.59	/	/	25.79	/	/	<=30	Pass
		Outer_Full	22.85	/	/	26.05	/	/	<=30	Pass
	3500.01	Inner_Full	24.41	/	/	27.61	/	/	<=30	Pass
		Inner_1RB_Left	24.51	/	/	27.71	/	/	<=30	Pass
		Inner_1RB_Right	24.50	/	/	27.7	/	/	<=30	Pass
		Edge_1RB_Left	22.31	/	/	25.51	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	25.58	/	/	<=30	Pass
	3529.98	Outer_Full	22.87	/	/	26.07	/	/	<=30	Pass
		Inner_Full	24.31	/	/	27.51	/	/	<=30	Pass
		Inner_1RB_Left	24.34	/	/	27.54	/	/	<=30	Pass
		Inner_1RB_Right	24.22	/	/	27.42	/	/	<=30	Pass
		Edge_1RB_Left	22.43	/	/	25.63	/	/	<=30	Pass
CP-OFDM 16 QAM	3470.01	Edge_1RB_Right	22.20	/	/	25.4	/	/	<=30	Pass
		Outer_Full	22.61	/	/	25.81	/	/	<=30	Pass
		Inner_Full	24.04	/	/	27.24	/	/	<=30	Pass
		Inner_1RB_Left	24.34	/	/	27.54	/	/	<=30	Pass
		Inner_1RB_Right	24.23	/	/	27.43	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.34	/	/	25.54	/	/	<=30	Pass
		Edge_1RB_Right	22.36	/	/	25.56	/	/	<=30	Pass
		Outer_Full	22.94	/	/	26.14	/	/	<=30	Pass
		Inner_Full	23.81	/	/	27.01	/	/	<=30	Pass
		Inner_1RB_Left	23.74	/	/	26.94	/	/	<=30	Pass
	3529.98	Inner_1RB_Right	23.77	/	/	26.97	/	/	<=30	Pass
		Edge_1RB_Left	22.14	/	/	25.34	/	/	<=30	Pass
		Edge_1RB_Right	22.21	/	/	25.41	/	/	<=30	Pass
		Outer_Full	22.81	/	/	26.01	/	/	<=30	Pass
		Inner_Full	23.80	/	/	27	/	/	<=30	Pass
	Inner_1RB_Left	23.73	/	/	26.93	/	/	<=30	Pass	
	Inner_1RB_Right	23.71	/	/	26.91	/	/	<=30	Pass	
	Edge_1RB_Left	22.25	/	/	25.45	/	/	<=30	Pass	



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CP-OFDM 64 QAM	3470.01	Edge_1RB_Right	22.24	/	/	25.44	/	/	<=30	Pass		
		Outer_Full	22.63	/	/	25.83	/	/	<=30	Pass		
		Inner_Full	23.55	/	/	26.75	/	/	<=30	Pass		
		Inner_1RB_Left	23.80	/	/	27	/	/	<=30	Pass		
		Inner_1RB_Right	23.65	/	/	26.85	/	/	<=30	Pass		
	3500.01	3470.01	Edge_1RB_Left	22.41	/	/	25.61	/	/	<=30	Pass	
			Edge_1RB_Right	22.39	/	/	25.59	/	/	<=30	Pass	
			Outer_Full	22.37	/	/	25.57	/	/	<=30	Pass	
			Inner_Full	22.29	/	/	25.49	/	/	<=30	Pass	
			Inner_1RB_Left	22.42	/	/	25.62	/	/	<=30	Pass	
		3500.01	3500.01	Inner_1RB_Right	22.49	/	/	25.69	/	/	<=30	Pass
				Edge_1RB_Left	22.28	/	/	25.48	/	/	<=30	Pass
				Edge_1RB_Right	22.32	/	/	25.52	/	/	<=30	Pass
				Outer_Full	22.33	/	/	25.53	/	/	<=30	Pass
				Inner_Full	22.37	/	/	25.57	/	/	<=30	Pass
3529.98	3529.98	Inner_1RB_Left	22.42	/	/	25.62	/	/	<=30	Pass		
		Inner_1RB_Right	22.34	/	/	25.54	/	/	<=30	Pass		
		Edge_1RB_Left	22.45	/	/	25.65	/	/	<=30	Pass		
		Edge_1RB_Right	22.40	/	/	25.6	/	/	<=30	Pass		
		Outer_Full	22.11	/	/	25.31	/	/	<=30	Pass		
CP-OFDM 256 QAM	3470.01	Inner_Full	22.04	/	/	25.24	/	/	<=30	Pass		
		Inner_1RB_Left	22.45	/	/	25.65	/	/	<=30	Pass		
		Inner_1RB_Right	22.39	/	/	25.59	/	/	<=30	Pass		
		3500.01	3470.01	Edge_1RB_Left	19.29	/	/	22.49	/	/	<=30	Pass
				Edge_1RB_Right	19.49	/	/	22.69	/	/	<=30	Pass
	Outer_Full			19.46	/	/	22.66	/	/	<=30	Pass	
	Inner_Full			19.33	/	/	22.53	/	/	<=30	Pass	
	Inner_1RB_Left			19.26	/	/	22.46	/	/	<=30	Pass	
	3500.01	3500.01	Inner_1RB_Right	19.39	/	/	22.59	/	/	<=30	Pass	
			Edge_1RB_Left	19.46	/	/	22.66	/	/	<=30	Pass	
			Edge_1RB_Right	19.21	/	/	22.41	/	/	<=30	Pass	
			Outer_Full	19.30	/	/	22.5	/	/	<=30	Pass	
			Inner_Full	19.35	/	/	22.55	/	/	<=30	Pass	
	3529.98	3529.98	Inner_1RB_Left	19.23	/	/	22.43	/	/	<=30	Pass	
			Inner_1RB_Right	19.33	/	/	22.53	/	/	<=30	Pass	
Edge_1RB_Left			19.24	/	/	22.44	/	/	<=30	Pass		
Edge_1RB_Right			19.21	/	/	22.41	/	/	<=30	Pass		
Outer_Full			19.13	/	/	22.33	/	/	<=30	Pass		
3529.98	3529.98	Inner_Full	19.02	/	/	22.22	/	/	<=30	Pass		
		Inner_1RB_Left	19.27	/	/	22.47	/	/	<=30	Pass		
		Inner_1RB_Right	19.29	/	/	22.49	/	/	<=30	Pass		

Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;
 Note2: EIRP=Conducted Power+Antenna Gain

1.4 30k_SISO_60MHz_NTNV_EIRP



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1.4.1 Test Result

5G NR n77d SCS=30kHz SISO 60MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Edge_1RB_Left	22.12	/	/	25.32	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	25.47	/	/	<=30	Pass
		Outer_Full	25.15	/	/	28.35	/	/	<=30	Pass
		Inner_Full	25.74	/	/	28.94	/	/	<=30	Pass
		Inner_1RB_Left	25.60	/	/	28.8	/	/	<=30	Pass
		Inner_1RB_Right	25.72	/	/	28.92	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.16	/	/	25.36	/	/	<=30	Pass
		Edge_1RB_Right	21.88	/	/	25.08	/	/	<=30	Pass
		Outer_Full	25.16	/	/	28.36	/	/	<=30	Pass
		Inner_Full	25.63	/	/	28.83	/	/	<=30	Pass
		Inner_1RB_Left	25.57	/	/	28.77	/	/	<=30	Pass
		Inner_1RB_Right	25.36	/	/	28.56	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.93	/	/	25.13	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	25.22	/	/	<=30	Pass
		Outer_Full	24.93	/	/	28.13	/	/	<=30	Pass
		Inner_Full	25.52	/	/	28.72	/	/	<=30	Pass
		Inner_1RB_Left	25.46	/	/	28.66	/	/	<=30	Pass
		Inner_1RB_Right	25.29	/	/	28.49	/	/	<=30	Pass
DFT-s-OFDM QPSK	3480	Edge_1RB_Left	22.17	/	/	25.37	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	25.33	/	/	<=30	Pass
		Outer_Full	24.66	/	/	27.86	/	/	<=30	Pass
		Inner_Full	25.76	/	/	28.96	/	/	<=30	Pass
		Inner_1RB_Left	25.61	/	/	28.81	/	/	<=30	Pass
		Inner_1RB_Right	25.68	/	/	28.88	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.12	/	/	25.32	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	25.04	/	/	<=30	Pass
		Outer_Full	24.53	/	/	27.73	/	/	<=30	Pass
		Inner_Full	25.61	/	/	28.81	/	/	<=30	Pass
		Inner_1RB_Left	25.56	/	/	28.76	/	/	<=30	Pass
		Inner_1RB_Right	25.26	/	/	28.46	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.99	/	/	25.19	/	/	<=30	Pass
		Edge_1RB_Right	21.79	/	/	24.99	/	/	<=30	Pass
		Outer_Full	24.47	/	/	27.67	/	/	<=30	Pass
		Inner_Full	25.56	/	/	28.76	/	/	<=30	Pass
		Inner_1RB_Left	25.66	/	/	28.86	/	/	<=30	Pass
		Inner_1RB_Right	25.42	/	/	28.62	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3480	Edge_1RB_Left	22.11	/	/	25.31	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	25.27	/	/	<=30	Pass
		Outer_Full	23.62	/	/	26.82	/	/	<=30	Pass
		Inner_Full	24.66	/	/	27.86	/	/	<=30	Pass
		Inner_1RB_Left	24.37	/	/	27.57	/	/	<=30	Pass
		Inner_1RB_Right	24.52	/	/	27.72	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.80	/	/	25	/	/	<=30	Pass



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		Edge_1RB_Right	21.63	/	/	24.83	/	/	<=30	Pass
		Outer_Full	23.51	/	/	26.71	/	/	<=30	Pass
		Inner_Full	24.56	/	/	27.76	/	/	<=30	Pass
		Inner_1RB_Left	24.30	/	/	27.5	/	/	<=30	Pass
		Inner_1RB_Right	23.97	/	/	27.17	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.01	/	/	25.21	/	/	<=30	Pass
		Edge_1RB_Right	21.76	/	/	24.96	/	/	<=30	Pass
		Outer_Full	23.48	/	/	26.68	/	/	<=30	Pass
		Inner_Full	24.48	/	/	27.68	/	/	<=30	Pass
		Inner_1RB_Left	24.37	/	/	27.57	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3480	Inner_1RB_Right	24.30	/	/	27.5	/	/	<=30	Pass
		Edge_1RB_Left	22.11	/	/	25.31	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	25.33	/	/	<=30	Pass
		Outer_Full	23.18	/	/	26.38	/	/	<=30	Pass
		Inner_Full	23.16	/	/	26.36	/	/	<=30	Pass
	3500.01	Inner_1RB_Left	23.24	/	/	26.44	/	/	<=30	Pass
		Inner_1RB_Right	23.30	/	/	26.5	/	/	<=30	Pass
		Edge_1RB_Left	21.94	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	21.74	/	/	24.94	/	/	<=30	Pass
		Outer_Full	22.96	/	/	26.16	/	/	<=30	Pass
3519.99	Inner_Full	23.09	/	/	26.29	/	/	<=30	Pass	
	Inner_1RB_Left	23.03	/	/	26.23	/	/	<=30	Pass	
	Inner_1RB_Right	22.77	/	/	25.97	/	/	<=30	Pass	
	Edge_1RB_Left	22.18	/	/	25.38	/	/	<=30	Pass	
	Edge_1RB_Right	21.98	/	/	25.18	/	/	<=30	Pass	
DFT-s-OFDM 256 QAM	3480	Outer_Full	22.96	/	/	26.16	/	/	<=30	Pass
		Inner_Full	23.06	/	/	26.26	/	/	<=30	Pass
		Inner_1RB_Left	23.15	/	/	26.35	/	/	<=30	Pass
		Inner_1RB_Right	23.00	/	/	26.2	/	/	<=30	Pass
		Edge_1RB_Left	21.03	/	/	24.23	/	/	<=30	Pass
	3500.01	Edge_1RB_Right	21.06	/	/	24.26	/	/	<=30	Pass
		Outer_Full	21.22	/	/	24.42	/	/	<=30	Pass
		Inner_Full	21.23	/	/	24.43	/	/	<=30	Pass
		Inner_1RB_Left	21.07	/	/	24.27	/	/	<=30	Pass
		Inner_1RB_Right	20.92	/	/	24.12	/	/	<=30	Pass
3519.99	Edge_1RB_Left	20.96	/	/	24.16	/	/	<=30	Pass	
	Edge_1RB_Right	20.64	/	/	23.84	/	/	<=30	Pass	
	Outer_Full	20.89	/	/	24.09	/	/	<=30	Pass	
	Inner_Full	21.04	/	/	24.24	/	/	<=30	Pass	
	Inner_1RB_Left	20.93	/	/	24.13	/	/	<=30	Pass	
3519.99	Inner_1RB_Right	20.61	/	/	23.81	/	/	<=30	Pass	
	Edge_1RB_Left	20.89	/	/	24.09	/	/	<=30	Pass	
	Edge_1RB_Right	20.77	/	/	23.97	/	/	<=30	Pass	
	Outer_Full	20.95	/	/	24.15	/	/	<=30	Pass	
	Inner_Full	21.02	/	/	24.22	/	/	<=30	Pass	
CP-OFDM QPSK	3480	Inner_1RB_Left	21.03	/	/	24.23	/	/	<=30	Pass
		Inner_1RB_Right	20.85	/	/	24.05	/	/	<=30	Pass
		Edge_1RB_Left	22.12	/	/	25.32	/	/	<=30	Pass



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		Edge_1RB_Right	22.09	/	/	25.29	/	/	<=30	Pass
		Outer_Full	22.74	/	/	25.94	/	/	<=30	Pass
		Inner_Full	24.16	/	/	27.36	/	/	<=30	Pass
		Inner_1RB_Left	24.10	/	/	27.3	/	/	<=30	Pass
		Inner_1RB_Right	24.07	/	/	27.27	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.99	/	/	25.19	/	/	<=30	Pass
		Edge_1RB_Right	21.76	/	/	24.96	/	/	<=30	Pass
		Outer_Full	22.58	/	/	25.78	/	/	<=30	Pass
		Inner_Full	24.08	/	/	27.28	/	/	<=30	Pass
		Inner_1RB_Left	23.98	/	/	27.18	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	23.84	/	/	27.04	/	/	<=30	Pass
		Edge_1RB_Left	22.11	/	/	25.31	/	/	<=30	Pass
		Edge_1RB_Right	21.88	/	/	25.08	/	/	<=30	Pass
		Outer_Full	22.48	/	/	25.68	/	/	<=30	Pass
		Inner_Full	23.99	/	/	27.19	/	/	<=30	Pass
CP-OFDM 16 QAM	3480	Inner_1RB_Left	24.24	/	/	27.44	/	/	<=30	Pass
		Inner_1RB_Right	24.02	/	/	27.22	/	/	<=30	Pass
		Edge_1RB_Left	22.05	/	/	25.25	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	25.22	/	/	<=30	Pass
		Outer_Full	22.68	/	/	25.88	/	/	<=30	Pass
	3500.01	Inner_Full	23.64	/	/	26.84	/	/	<=30	Pass
		Inner_1RB_Left	23.60	/	/	26.8	/	/	<=30	Pass
		Inner_1RB_Right	23.54	/	/	26.74	/	/	<=30	Pass
		Edge_1RB_Left	21.94	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	21.65	/	/	24.85	/	/	<=30	Pass
	3519.99	Outer_Full	22.58	/	/	25.78	/	/	<=30	Pass
		Inner_Full	23.58	/	/	26.78	/	/	<=30	Pass
		Inner_1RB_Left	23.32	/	/	26.52	/	/	<=30	Pass
		Inner_1RB_Right	23.16	/	/	26.36	/	/	<=30	Pass
		Edge_1RB_Left	21.96	/	/	25.16	/	/	<=30	Pass
CP-OFDM 64 QAM	3480	Edge_1RB_Right	21.82	/	/	25.02	/	/	<=30	Pass
		Outer_Full	22.51	/	/	25.71	/	/	<=30	Pass
		Inner_Full	23.57	/	/	26.77	/	/	<=30	Pass
		Inner_1RB_Left	23.51	/	/	26.71	/	/	<=30	Pass
		Inner_1RB_Right	23.29	/	/	26.49	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.17	/	/	25.37	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	25.38	/	/	<=30	Pass
		Outer_Full	22.26	/	/	25.46	/	/	<=30	Pass
		Inner_Full	22.23	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Left	22.23	/	/	25.43	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	22.11	/	/	25.31	/	/	<=30	Pass
		Edge_1RB_Left	21.97	/	/	25.17	/	/	<=30	Pass
		Edge_1RB_Right	21.83	/	/	25.03	/	/	<=30	Pass
		Outer_Full	22.02	/	/	25.22	/	/	<=30	Pass
		Inner_Full	22.12	/	/	25.32	/	/	<=30	Pass
	3519.99	Inner_1RB_Left	22.00	/	/	25.2	/	/	<=30	Pass
		Inner_1RB_Right	21.83	/	/	25.03	/	/	<=30	Pass
		Edge_1RB_Left	22.07	/	/	25.27	/	/	<=30	Pass



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CP-OFDM 256 QAM	3480	Edge_1RB_Right	21.99	/	/	25.19	/	/	<=30	Pass
		Outer_Full	21.98	/	/	25.18	/	/	<=30	Pass
		Inner_Full	22.08	/	/	25.28	/	/	<=30	Pass
		Inner_1RB_Left	22.14	/	/	25.34	/	/	<=30	Pass
		Inner_1RB_Right	21.99	/	/	25.19	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.99	/	/	22.19	/	/	<=30	Pass
		Edge_1RB_Right	19.16	/	/	22.36	/	/	<=30	Pass
		Outer_Full	19.16	/	/	22.36	/	/	<=30	Pass
		Inner_Full	19.26	/	/	22.46	/	/	<=30	Pass
		Inner_1RB_Left	19.11	/	/	22.31	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	19.09	/	/	22.29	/	/	<=30	Pass
		Edge_1RB_Left	18.85	/	/	22.05	/	/	<=30	Pass
		Edge_1RB_Right	18.81	/	/	22.01	/	/	<=30	Pass
		Outer_Full	19.04	/	/	22.24	/	/	<=30	Pass
		Inner_Full	19.09	/	/	22.29	/	/	<=30	Pass
	3519.99	Inner_1RB_Left	18.87	/	/	22.07	/	/	<=30	Pass
		Inner_1RB_Right	18.58	/	/	21.78	/	/	<=30	Pass
		Edge_1RB_Left	19.01	/	/	22.21	/	/	<=30	Pass
		Edge_1RB_Right	18.82	/	/	22.02	/	/	<=30	Pass
		Outer_Full	18.93	/	/	22.13	/	/	<=30	Pass
	3519.99	Inner_Full	18.97	/	/	22.17	/	/	<=30	Pass
		Inner_1RB_Left	18.97	/	/	22.17	/	/	<=30	Pass
		Inner_1RB_Right	18.91	/	/	22.11	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;
 Note2: EIRP=Conducted Power+Antenna Gain

1.5 30k_SISO_80MHz_NTNV_EIRP

1.5.1 Test Result

5G NR n77d SCS=30kHz SISO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3490.02	Edge_1RB_Left	21.94	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	21.71	/	/	24.91	/	/	<=30	Pass
		Outer_Full	24.88	/	/	28.08	/	/	<=30	Pass
		Inner_Full	25.53	/	/	28.73	/	/	<=30	Pass
		Inner_1RB_Left	25.45	/	/	28.65	/	/	<=30	Pass
		Inner_1RB_Right	25.11	/	/	28.31	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.91	/	/	25.11	/	/	<=30	Pass
		Edge_1RB_Right	21.49	/	/	24.69	/	/	<=30	Pass
		Outer_Full	24.94	/	/	28.14	/	/	<=30	Pass
		Inner_Full	25.50	/	/	28.7	/	/	<=30	Pass
		Inner_1RB_Left	25.36	/	/	28.56	/	/	<=30	Pass
	3510	Inner_1RB_Right	24.92	/	/	28.12	/	/	<=30	Pass
		Edge_1RB_Left	21.72	/	/	24.92	/	/	<=30	Pass



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		Edge_1RB_Right	21.63	/	/	24.83	/	/	<=30	Pass
		Outer_Full	24.76	/	/	27.96	/	/	<=30	Pass
		Inner_Full	25.36	/	/	28.56	/	/	<=30	Pass
		Inner_1RB_Left	25.26	/	/	28.46	/	/	<=30	Pass
		Inner_1RB_Right	25.23	/	/	28.43	/	/	<=30	Pass
DFT-s-OFDM QPSK	3490.02	Edge_1RB_Left	21.89	/	/	25.09	/	/	<=30	Pass
		Edge_1RB_Right	21.61	/	/	24.81	/	/	<=30	Pass
		Outer_Full	24.39	/	/	27.59	/	/	<=30	Pass
		Inner_Full	25.45	/	/	28.65	/	/	<=30	Pass
		Inner_1RB_Left	25.29	/	/	28.49	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	25.13	/	/	28.33	/	/	<=30	Pass
		Edge_1RB_Left	21.96	/	/	25.16	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	24.72	/	/	<=30	Pass
		Outer_Full	24.34	/	/	27.54	/	/	<=30	Pass
		Inner_Full	25.52	/	/	28.72	/	/	<=30	Pass
	3510	Inner_1RB_Left	25.38	/	/	28.58	/	/	<=30	Pass
		Inner_1RB_Right	24.93	/	/	28.13	/	/	<=30	Pass
		Edge_1RB_Left	21.94	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	25.05	/	/	<=30	Pass
		Outer_Full	24.34	/	/	27.54	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3490.02	Inner_Full	25.44	/	/	28.64	/	/	<=30	Pass
		Inner_1RB_Left	25.43	/	/	28.63	/	/	<=30	Pass
		Inner_1RB_Right	25.15	/	/	28.35	/	/	<=30	Pass
		Edge_1RB_Left	21.75	/	/	24.95	/	/	<=30	Pass
		Edge_1RB_Right	21.58	/	/	24.78	/	/	<=30	Pass
	3500.01	Outer_Full	23.38	/	/	26.58	/	/	<=30	Pass
		Inner_Full	24.50	/	/	27.7	/	/	<=30	Pass
		Inner_1RB_Left	24.25	/	/	27.45	/	/	<=30	Pass
		Inner_1RB_Right	24.00	/	/	27.2	/	/	<=30	Pass
		Edge_1RB_Left	21.63	/	/	24.83	/	/	<=30	Pass
	3510	Edge_1RB_Right	21.29	/	/	24.49	/	/	<=30	Pass
		Outer_Full	23.30	/	/	26.5	/	/	<=30	Pass
		Inner_Full	24.35	/	/	27.55	/	/	<=30	Pass
		Inner_1RB_Left	24.12	/	/	27.32	/	/	<=30	Pass
		Inner_1RB_Right	23.74	/	/	26.94	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3490.02	Edge_1RB_Left	21.78	/	/	24.98	/	/	<=30	Pass
		Edge_1RB_Right	21.59	/	/	24.79	/	/	<=30	Pass
		Outer_Full	23.28	/	/	26.48	/	/	<=30	Pass
		Inner_Full	24.49	/	/	27.69	/	/	<=30	Pass
		Inner_1RB_Left	24.18	/	/	27.38	/	/	<=30	Pass
3500.01	Inner_1RB_Right	24.10	/	/	27.3	/	/	<=30	Pass	
	Edge_1RB_Left	21.97	/	/	25.17	/	/	<=30	Pass	
	Edge_1RB_Right	21.72	/	/	24.92	/	/	<=30	Pass	
	Outer_Full	22.86	/	/	26.06	/	/	<=30	Pass	
	Inner_Full	22.89	/	/	26.09	/	/	<=30	Pass	
	3500.01	Inner_1RB_Left	23.08	/	/	26.28	/	/	<=30	Pass
		Inner_1RB_Right	22.70	/	/	25.9	/	/	<=30	Pass
		Edge_1RB_Left	21.90	/	/	25.1	/	/	<=30	Pass



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		Edge_1RB_Right	21.67	/	/	24.87	/	/	<=30	Pass
		Outer_Full	22.70	/	/	25.9	/	/	<=30	Pass
		Inner_Full	22.86	/	/	26.06	/	/	<=30	Pass
		Inner_1RB_Left	22.86	/	/	26.06	/	/	<=30	Pass
		Inner_1RB_Right	22.61	/	/	25.81	/	/	<=30	Pass
	3510	Edge_1RB_Left	22.00	/	/	25.2	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	25.04	/	/	<=30	Pass
		Outer_Full	22.78	/	/	25.98	/	/	<=30	Pass
		Inner_Full	22.90	/	/	26.1	/	/	<=30	Pass
		Inner_1RB_Left	22.85	/	/	26.05	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3490.02	Inner_1RB_Right	22.80	/	/	26	/	/	<=30	Pass
		Edge_1RB_Left	20.67	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Right	20.61	/	/	23.81	/	/	<=30	Pass
		Outer_Full	20.90	/	/	24.1	/	/	<=30	Pass
		Inner_Full	20.92	/	/	24.12	/	/	<=30	Pass
	3500.01	Inner_1RB_Left	20.70	/	/	23.9	/	/	<=30	Pass
		Inner_1RB_Right	20.51	/	/	23.71	/	/	<=30	Pass
		Edge_1RB_Left	20.69	/	/	23.89	/	/	<=30	Pass
		Edge_1RB_Right	20.38	/	/	23.58	/	/	<=30	Pass
		Outer_Full	20.77	/	/	23.97	/	/	<=30	Pass
3510	Inner_Full	20.85	/	/	24.05	/	/	<=30	Pass	
	Inner_1RB_Left	20.71	/	/	23.91	/	/	<=30	Pass	
	Inner_1RB_Right	20.27	/	/	23.47	/	/	<=30	Pass	
	Edge_1RB_Left	20.83	/	/	24.03	/	/	<=30	Pass	
	Edge_1RB_Right	20.80	/	/	24	/	/	<=30	Pass	
CP-OFDM QPSK	3490.02	Outer_Full	20.93	/	/	24.13	/	/	<=30	Pass
		Inner_Full	20.95	/	/	24.15	/	/	<=30	Pass
		Inner_1RB_Left	20.88	/	/	24.08	/	/	<=30	Pass
		Inner_1RB_Right	20.67	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Left	21.86	/	/	25.06	/	/	<=30	Pass
	3500.01	Edge_1RB_Right	21.63	/	/	24.83	/	/	<=30	Pass
		Outer_Full	22.31	/	/	25.51	/	/	<=30	Pass
		Inner_Full	23.96	/	/	27.16	/	/	<=30	Pass
		Inner_1RB_Left	23.94	/	/	27.14	/	/	<=30	Pass
		Inner_1RB_Right	23.69	/	/	26.89	/	/	<=30	Pass
3510	Edge_1RB_Left	21.91	/	/	25.11	/	/	<=30	Pass	
	Edge_1RB_Right	21.47	/	/	24.67	/	/	<=30	Pass	
	Outer_Full	22.22	/	/	25.42	/	/	<=30	Pass	
	Inner_Full	23.89	/	/	27.09	/	/	<=30	Pass	
	Inner_1RB_Left	23.79	/	/	26.99	/	/	<=30	Pass	
CP-OFDM 16 QAM	3490.02	Inner_1RB_Right	23.57	/	/	26.77	/	/	<=30	Pass
		Edge_1RB_Left	21.94	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	25.06	/	/	<=30	Pass
		Outer_Full	22.38	/	/	25.58	/	/	<=30	Pass
		Inner_Full	23.95	/	/	27.15	/	/	<=30	Pass
		Inner_1RB_Left	23.91	/	/	27.11	/	/	<=30	Pass
		Inner_1RB_Right	23.73	/	/	26.93	/	/	<=30	Pass
		Edge_1RB_Left	21.92	/	/	25.12	/	/	<=30	Pass



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Shenzhen Branch

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		Edge_1RB_Right	21.55	/	/	24.75	/	/	<=30	Pass
		Outer_Full	22.40	/	/	25.6	/	/	<=30	Pass
		Inner_Full	23.43	/	/	26.63	/	/	<=30	Pass
		Inner_1RB_Left	23.22	/	/	26.42	/	/	<=30	Pass
		Inner_1RB_Right	22.90	/	/	26.1	/	/	<=30	Pass
	3500.01	Edge_1RB_Right	21.69	/	/	24.89	/	/	<=30	Pass
		Edge_1RB_Right	21.32	/	/	24.52	/	/	<=30	Pass
		Outer_Full	22.37	/	/	25.57	/	/	<=30	Pass
		Inner_Full	23.40	/	/	26.6	/	/	<=30	Pass
		Inner_1RB_Left	23.18	/	/	26.38	/	/	<=30	Pass
	3510	Inner_1RB_Right	22.78	/	/	25.98	/	/	<=30	Pass
		Edge_1RB_Left	21.87	/	/	25.07	/	/	<=30	Pass
		Edge_1RB_Right	21.72	/	/	24.92	/	/	<=30	Pass
		Outer_Full	22.29	/	/	25.49	/	/	<=30	Pass
		Inner_Full	23.37	/	/	26.57	/	/	<=30	Pass
CP-OFDM 64 QAM	3490.02	Inner_1RB_Left	23.25	/	/	26.45	/	/	<=30	Pass
		Inner_1RB_Right	23.16	/	/	26.36	/	/	<=30	Pass
		Edge_1RB_Left	22.04	/	/	25.24	/	/	<=30	Pass
		Edge_1RB_Right	21.64	/	/	24.84	/	/	<=30	Pass
		Outer_Full	21.93	/	/	25.13	/	/	<=30	Pass
	3500.01	Inner_Full	21.90	/	/	25.1	/	/	<=30	Pass
		Inner_1RB_Left	21.96	/	/	25.16	/	/	<=30	Pass
		Inner_1RB_Right	21.66	/	/	24.86	/	/	<=30	Pass
		Edge_1RB_Left	21.86	/	/	25.06	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	24.73	/	/	<=30	Pass
	3510	Outer_Full	21.83	/	/	25.03	/	/	<=30	Pass
		Inner_Full	21.92	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Left	21.95	/	/	25.15	/	/	<=30	Pass
		Inner_1RB_Right	21.44	/	/	24.64	/	/	<=30	Pass
		Edge_1RB_Left	21.89	/	/	25.09	/	/	<=30	Pass
CP-OFDM 256 QAM	3490.02	Edge_1RB_Right	21.85	/	/	25.05	/	/	<=30	Pass
		Outer_Full	21.96	/	/	25.16	/	/	<=30	Pass
		Inner_Full	21.86	/	/	25.06	/	/	<=30	Pass
		Inner_1RB_Left	21.92	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Right	21.94	/	/	25.14	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.96	/	/	22.16	/	/	<=30	Pass
		Edge_1RB_Right	18.72	/	/	21.92	/	/	<=30	Pass
		Outer_Full	18.92	/	/	22.12	/	/	<=30	Pass
		Inner_Full	18.92	/	/	22.12	/	/	<=30	Pass
		Inner_1RB_Left	18.89	/	/	22.09	/	/	<=30	Pass
	3510	Inner_1RB_Right	18.65	/	/	21.85	/	/	<=30	Pass
		Edge_1RB_Left	18.86	/	/	22.06	/	/	<=30	Pass
		Edge_1RB_Right	18.41	/	/	21.61	/	/	<=30	Pass
		Outer_Full	18.75	/	/	21.95	/	/	<=30	Pass
		Inner_Full	19.09	/	/	22.29	/	/	<=30	Pass
		Inner_1RB_Left	18.89	/	/	22.09	/	/	<=30	Pass
		Inner_1RB_Right	18.45	/	/	21.65	/	/	<=30	Pass
		Edge_1RB_Left	18.85	/	/	22.05	/	/	<=30	Pass



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	Edge_1RB_Right	18.72	/	/	21.92	/	/	<=30	Pass
	Outer_Full	18.94	/	/	22.14	/	/	<=30	Pass
	Inner_Full	18.94	/	/	22.14	/	/	<=30	Pass
	Inner_1RB_Left	18.85	/	/	22.05	/	/	<=30	Pass
	Inner_1RB_Right	18.82	/	/	22.02	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.6 30k_SISO_100MHz_NTNV_EIRP

1.6.1 Test Result

5G NR n77d SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Verdict	
			Ant1	Ant4	Sum	Ant1	Ant4	Sum		Limit
DFT-s-OFDM PI/2 BPSK	3500.01	Edge_1RB_Left	21.87	/	/	25.07	/	/	<=30	Pass
		Edge_1RB_Right	21.90	/	/	25.1	/	/	<=30	Pass
		Outer_Full	24.94	/	/	28.14	/	/	<=30	Pass
		Inner_Full	25.52	/	/	28.72	/	/	<=30	Pass
		Inner_1RB_Left	25.37	/	/	28.57	/	/	<=30	Pass
		Inner_1RB_Right	25.23	/	/	28.43	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.80	/	/	25	/	/	<=30	Pass
		Edge_1RB_Right	21.87	/	/	25.07	/	/	<=30	Pass
		Outer_Full	24.91	/	/	28.11	/	/	<=30	Pass
		Inner_Full	25.46	/	/	28.66	/	/	<=30	Pass
		Inner_1RB_Left	25.32	/	/	28.52	/	/	<=30	Pass
		Inner_1RB_Right	8.99	/	/	12.19	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	21.87	/	/	25.07	/	/	<=30	Pass
		Edge_1RB_Right	21.83	/	/	25.03	/	/	<=30	Pass
		Outer_Full	24.87	/	/	28.07	/	/	<=30	Pass
		Inner_Full	25.51	/	/	28.71	/	/	<=30	Pass
		Inner_1RB_Left	25.31	/	/	28.51	/	/	<=30	Pass
		Inner_1RB_Right	25.39	/	/	28.59	/	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Edge_1RB_Left	21.86	/	/	25.06	/	/	<=30	Pass
		Edge_1RB_Right	21.91	/	/	25.11	/	/	<=30	Pass
		Outer_Full	24.28	/	/	27.48	/	/	<=30	Pass
		Inner_Full	25.45	/	/	28.65	/	/	<=30	Pass
		Inner_1RB_Left	25.38	/	/	28.58	/	/	<=30	Pass
		Inner_1RB_Right	25.39	/	/	28.59	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.86	/	/	25.06	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	25.21	/	/	<=30	Pass
		Outer_Full	24.41	/	/	27.61	/	/	<=30	Pass
		Inner_Full	25.46	/	/	28.66	/	/	<=30	Pass
		Inner_1RB_Left	25.26	/	/	28.46	/	/	<=30	Pass
		Inner_1RB_Right	25.26	/	/	28.46	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	21.90	/	/	25.1	/	/	<=30	Pass



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		Edge_1RB_Right	21.95	/	/	25.15	/	/	<=30	Pass
		Outer_Full	24.40	/	/	27.6	/	/	<=30	Pass
		Inner_Full	25.33	/	/	28.53	/	/	<=30	Pass
		Inner_1RB_Left	25.28	/	/	28.48	/	/	<=30	Pass
		Inner_1RB_Right	25.30	/	/	28.5	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Edge_1RB_Left	21.69	/	/	24.89	/	/	<=30	Pass
		Edge_1RB_Right	21.76	/	/	24.96	/	/	<=30	Pass
		Outer_Full	23.36	/	/	26.56	/	/	<=30	Pass
		Inner_Full	24.39	/	/	27.59	/	/	<=30	Pass
		Inner_1RB_Left	24.33	/	/	27.53	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	24.24	/	/	27.44	/	/	<=30	Pass
		Edge_1RB_Left	21.70	/	/	24.9	/	/	<=30	Pass
		Edge_1RB_Right	21.72	/	/	24.92	/	/	<=30	Pass
		Outer_Full	23.46	/	/	26.66	/	/	<=30	Pass
		Inner_Full	24.47	/	/	27.67	/	/	<=30	Pass
	3499.98	Inner_1RB_Left	24.15	/	/	27.35	/	/	<=30	Pass
		Inner_1RB_Right	24.21	/	/	27.41	/	/	<=30	Pass
		Edge_1RB_Left	21.81	/	/	25.01	/	/	<=30	Pass
		Edge_1RB_Right	21.71	/	/	24.91	/	/	<=30	Pass
		Outer_Full	23.38	/	/	26.58	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Inner_Full	24.48	/	/	27.68	/	/	<=30	Pass
		Inner_1RB_Left	24.33	/	/	27.53	/	/	<=30	Pass
		Inner_1RB_Right	24.44	/	/	27.64	/	/	<=30	Pass
		Edge_1RB_Left	21.92	/	/	25.12	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	25.21	/	/	<=30	Pass
	3500.01	Outer_Full	22.83	/	/	26.03	/	/	<=30	Pass
		Inner_Full	22.97	/	/	26.17	/	/	<=30	Pass
		Inner_1RB_Left	23.00	/	/	26.2	/	/	<=30	Pass
		Inner_1RB_Right	22.99	/	/	26.19	/	/	<=30	Pass
		Edge_1RB_Left	21.89	/	/	25.09	/	/	<=30	Pass
	3499.98	Edge_1RB_Right	21.83	/	/	25.03	/	/	<=30	Pass
		Outer_Full	22.75	/	/	25.95	/	/	<=30	Pass
		Inner_Full	22.79	/	/	25.99	/	/	<=30	Pass
		Inner_1RB_Left	22.80	/	/	26	/	/	<=30	Pass
		Inner_1RB_Right	22.91	/	/	26.11	/	/	<=30	Pass
3500.01	Edge_1RB_Left	21.77	/	/	24.97	/	/	<=30	Pass	
	Edge_1RB_Right	21.89	/	/	25.09	/	/	<=30	Pass	
	Outer_Full	22.87	/	/	26.07	/	/	<=30	Pass	
	Inner_Full	22.98	/	/	26.18	/	/	<=30	Pass	
	Inner_1RB_Left	22.80	/	/	26	/	/	<=30	Pass	
DFT-s-OFDM 256 QAM	3500.01	Inner_1RB_Right	22.89	/	/	26.09	/	/	<=30	Pass
		Edge_1RB_Left	20.87	/	/	24.07	/	/	<=30	Pass
		Edge_1RB_Right	20.74	/	/	23.94	/	/	<=30	Pass
		Outer_Full	20.80	/	/	24	/	/	<=30	Pass
		Inner_Full	20.87	/	/	24.07	/	/	<=30	Pass
	3500.01	Inner_1RB_Left	20.80	/	/	24	/	/	<=30	Pass
		Inner_1RB_Right	20.80	/	/	24	/	/	<=30	Pass
		Edge_1RB_Left	20.82	/	/	24.02	/	/	<=30	Pass



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		Edge_1RB_Right	20.76	/	/	23.96	/	/	<=30	Pass
		Outer_Full	20.78	/	/	23.98	/	/	<=30	Pass
		Inner_Full	20.86	/	/	24.06	/	/	<=30	Pass
		Inner_1RB_Left	20.64	/	/	23.84	/	/	<=30	Pass
		Inner_1RB_Right	20.73	/	/	23.93	/	/	<=30	Pass
	3499.98	Edge_1RB_Right	20.73	/	/	23.93	/	/	<=30	Pass
		Edge_1RB_Right	20.68	/	/	23.88	/	/	<=30	Pass
		Outer_Full	20.85	/	/	24.05	/	/	<=30	Pass
		Inner_Full	20.91	/	/	24.11	/	/	<=30	Pass
		Inner_1RB_Left	20.81	/	/	24.01	/	/	<=30	Pass
CP-OFDM QPSK	3500.01	Inner_1RB_Right	20.65	/	/	23.85	/	/	<=30	Pass
		Edge_1RB_Left	22.04	/	/	25.24	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	25.16	/	/	<=30	Pass
		Outer_Full	22.44	/	/	25.64	/	/	<=30	Pass
		Inner_Full	23.94	/	/	27.14	/	/	<=30	Pass
	3500.01	Inner_1RB_Left	23.85	/	/	27.05	/	/	<=30	Pass
		Inner_1RB_Right	23.84	/	/	27.04	/	/	<=30	Pass
		Edge_1RB_Left	21.89	/	/	25.09	/	/	<=30	Pass
		Edge_1RB_Right	21.89	/	/	25.09	/	/	<=30	Pass
		Outer_Full	22.44	/	/	25.64	/	/	<=30	Pass
3499.98	Inner_Full	23.92	/	/	27.12	/	/	<=30	Pass	
	Inner_1RB_Left	23.85	/	/	27.05	/	/	<=30	Pass	
	Inner_1RB_Right	23.88	/	/	27.08	/	/	<=30	Pass	
	Edge_1RB_Left	21.88	/	/	25.08	/	/	<=30	Pass	
	Edge_1RB_Right	21.74	/	/	24.94	/	/	<=30	Pass	
CP-OFDM 16 QAM	3500.01	Outer_Full	22.33	/	/	25.53	/	/	<=30	Pass
		Inner_Full	23.50	/	/	26.7	/	/	<=30	Pass
		Inner_1RB_Left	23.30	/	/	26.5	/	/	<=30	Pass
		Inner_1RB_Right	23.28	/	/	26.48	/	/	<=30	Pass
		Edge_1RB_Left	21.79	/	/	24.99	/	/	<=30	Pass
	3500.01	Edge_1RB_Right	21.72	/	/	24.92	/	/	<=30	Pass
		Outer_Full	22.33	/	/	25.53	/	/	<=30	Pass
		Inner_Full	23.50	/	/	26.7	/	/	<=30	Pass
		Inner_1RB_Left	23.30	/	/	26.5	/	/	<=30	Pass
		Inner_1RB_Right	23.28	/	/	26.48	/	/	<=30	Pass
3499.98	Edge_1RB_Left	21.83	/	/	25.03	/	/	<=30	Pass	
	Edge_1RB_Right	21.62	/	/	24.82	/	/	<=30	Pass	
	Outer_Full	22.37	/	/	25.57	/	/	<=30	Pass	
	Inner_Full	23.34	/	/	26.54	/	/	<=30	Pass	
	Inner_1RB_Left	23.22	/	/	26.42	/	/	<=30	Pass	
CP-OFDM 64 QAM	3500.01	Inner_1RB_Right	23.13	/	/	26.33	/	/	<=30	Pass
		Edge_1RB_Left	21.68	/	/	24.88	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	24.95	/	/	<=30	Pass
		Outer_Full	22.32	/	/	25.52	/	/	<=30	Pass
		Inner_Full	23.42	/	/	26.62	/	/	<=30	Pass



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		Edge_1RB_Right	21.61	/	/	24.81	/	/	<=30	Pass
		Outer_Full	21.94	/	/	25.14	/	/	<=30	Pass
		Inner_Full	21.93	/	/	25.13	/	/	<=30	Pass
		Inner_1RB_Left	21.82	/	/	25.02	/	/	<=30	Pass
		Inner_1RB_Right	21.93	/	/	25.13	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.89	/	/	25.09	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	25.12	/	/	<=30	Pass
		Outer_Full	21.74	/	/	24.94	/	/	<=30	Pass
		Inner_Full	21.96	/	/	25.16	/	/	<=30	Pass
		Inner_1RB_Left	21.88	/	/	25.08	/	/	<=30	Pass
	3499.98	Inner_1RB_Right	21.87	/	/	25.07	/	/	<=30	Pass
		Edge_1RB_Left	22.00	/	/	25.2	/	/	<=30	Pass
		Edge_1RB_Right	21.89	/	/	25.09	/	/	<=30	Pass
		Outer_Full	21.86	/	/	25.06	/	/	<=30	Pass
		Inner_Full	21.89	/	/	25.09	/	/	<=30	Pass
CP-OFDM 256 QAM	3500.01	Inner_1RB_Left	21.92	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Right	21.85	/	/	25.05	/	/	<=30	Pass
		Edge_1RB_Left	18.88	/	/	22.08	/	/	<=30	Pass
		Edge_1RB_Right	18.88	/	/	22.08	/	/	<=30	Pass
		Outer_Full	18.95	/	/	22.15	/	/	<=30	Pass
	3500.01	Inner_Full	18.86	/	/	22.06	/	/	<=30	Pass
		Inner_1RB_Left	18.90	/	/	22.1	/	/	<=30	Pass
		Inner_1RB_Right	18.81	/	/	22.01	/	/	<=30	Pass
		Edge_1RB_Left	18.83	/	/	22.03	/	/	<=30	Pass
		Edge_1RB_Right	18.74	/	/	21.94	/	/	<=30	Pass
	3499.98	Outer_Full	18.80	/	/	22	/	/	<=30	Pass
		Inner_Full	18.95	/	/	22.15	/	/	<=30	Pass
		Inner_1RB_Left	18.85	/	/	22.05	/	/	<=30	Pass
		Inner_1RB_Right	18.74	/	/	21.94	/	/	<=30	Pass
		Edge_1RB_Left	18.75	/	/	21.95	/	/	<=30	Pass
	Edge_1RB_Right	18.87	/	/	22.07	/	/	<=30	Pass	
	Outer_Full	18.83	/	/	22.03	/	/	<=30	Pass	
	Inner_Full	18.82	/	/	22.02	/	/	<=30	Pass	
	Inner_1RB_Left	18.73	/	/	21.93	/	/	<=30	Pass	
	Inner_1RB_Right	18.85	/	/	22.05	/	/	<=30	Pass	

Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.7 30k_MIMO_20MHz_NTNV_EIRP

1.7.1 Test Result

5G NR n77d SCS=30kHz MIMO 20MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3460.02	Edge_1RB_Left	19.45	19.05	22.27	22.65	22.25	25.47	<=30	Pass



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		Edge_1RB_Right	19.42	19.19	22.32	22.62	22.39	25.52	<=30	Pass
		Outer_Full	19.93	19.57	22.76	23.13	22.77	25.96	<=30	Pass
		Inner_Full	21.3	20.98	24.15	24.5	24.18	27.35	<=30	Pass
		Inner_1RB_Left	21.5	21.02	24.28	24.7	24.22	27.48	<=30	Pass
		Inner_1RB_Right	21.34	21.14	24.25	24.54	24.34	27.45	<=30	Pass
	3500.01	Edge_1RB_Left	19.36	19.32	22.35	22.56	22.52	25.55	<=30	Pass
		Edge_1RB_Right	19.46	19.27	22.37	22.66	22.47	25.57	<=30	Pass
		Outer_Full	19.83	19.83	22.84	23.03	23.03	26.04	<=30	Pass
		Inner_Full	21.28	21.32	24.31	24.48	24.52	27.51	<=30	Pass
		Inner_1RB_Left	21.48	21.22	24.36	24.68	24.42	27.56	<=30	Pass
	3540	Inner_1RB_Right	21.57	21.18	24.39	24.77	24.38	27.59	<=30	Pass
		Edge_1RB_Left	19.14	19	22.08	22.34	22.2	25.28	<=30	Pass
		Edge_1RB_Right	19.46	19.21	22.35	22.66	22.41	25.55	<=30	Pass
		Outer_Full	19.65	19.52	22.6	22.85	22.72	25.8	<=30	Pass
		Inner_Full	21.03	21	24.03	24.23	24.2	27.23	<=30	Pass
CP-OFDM 16 QAM	3460.02	Inner_1RB_Left	21.18	21	24.1	24.38	24.2	27.3	<=30	Pass
		Inner_1RB_Right	21.41	21.12	24.28	24.61	24.32	27.48	<=30	Pass
		Edge_1RB_Left	19.64	19.34	22.5	22.84	22.54	25.7	<=30	Pass
		Edge_1RB_Right	19.5	19.44	22.48	22.7	22.64	25.68	<=30	Pass
		Outer_Full	19.96	19.6	22.8	23.16	22.8	26	<=30	Pass
	3500.01	Inner_Full	20.94	20.59	23.78	24.14	23.79	26.98	<=30	Pass
		Inner_1RB_Left	21.09	20.72	23.92	24.29	23.92	27.12	<=30	Pass
		Inner_1RB_Right	21.05	20.94	24.01	24.25	24.14	27.21	<=30	Pass
		Edge_1RB_Left	19.53	19.59	22.57	22.73	22.79	25.77	<=30	Pass
		Edge_1RB_Right	19.46	19.54	22.51	22.66	22.74	25.71	<=30	Pass
	3540	Outer_Full	19.86	19.74	22.81	23.06	22.94	26.01	<=30	Pass
		Inner_Full	20.85	20.84	23.86	24.05	24.04	27.06	<=30	Pass
		Inner_1RB_Left	21.03	20.95	24	24.23	24.15	27.2	<=30	Pass
		Inner_1RB_Right	20.98	20.98	23.99	24.18	24.18	27.19	<=30	Pass
		Edge_1RB_Left	19.19	19.31	22.26	22.39	22.51	25.46	<=30	Pass
CP-OFDM 64 QAM	3460.02	Edge_1RB_Right	19.45	19.45	22.46	22.65	22.65	25.66	<=30	Pass
		Outer_Full	19.58	19.54	22.57	22.78	22.74	25.77	<=30	Pass
		Inner_Full	20.58	20.67	23.64	23.78	23.87	26.84	<=30	Pass
		Inner_1RB_Left	20.8	20.7	23.76	24	23.9	26.96	<=30	Pass
		Inner_1RB_Right	20.97	20.91	23.95	24.17	24.11	27.15	<=30	Pass
	3500.01	Edge_1RB_Left	19.27	18.82	22.06	22.47	22.02	25.26	<=30	Pass
		Edge_1RB_Right	19.32	19.04	22.19	22.52	22.24	25.39	<=30	Pass
		Outer_Full	19.4	19.06	22.25	22.6	22.26	25.45	<=30	Pass
		Inner_Full	19.34	18.94	22.15	22.54	22.14	25.35	<=30	Pass
		Inner_1RB_Left	19.39	18.83	22.13	22.59	22.03	25.33	<=30	Pass
	3540	Inner_1RB_Right	19.3	18.97	22.15	22.5	22.17	25.35	<=30	Pass
		Edge_1RB_Left	19.4	19.15	22.29	22.6	22.35	25.49	<=30	Pass
		Edge_1RB_Right	19.29	19.1	22.21	22.49	22.3	25.41	<=30	Pass
		Outer_Full	19.37	19.23	22.31	22.57	22.43	25.51	<=30	Pass
		Inner_Full	19.32	19.13	22.24	22.52	22.33	25.44	<=30	Pass
	3500.01	Inner_1RB_Left	19.35	19.05	22.21	22.55	22.25	25.41	<=30	Pass
		Inner_1RB_Right	19.3	18.92	22.12	22.5	22.12	25.32	<=30	Pass
	3540	Edge_1RB_Left	19.03	18.88	21.96	22.23	22.08	25.16	<=30	Pass



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CP-OFDM 256 QAM		Edge_1RB_Right	19.29	19.02	22.17	22.49	22.22	25.37	<=30	Pass
		Outer_Full	19.16	19.02	22.1	22.36	22.22	25.3	<=30	Pass
		Inner_Full	19.06	19.09	22.08	22.26	22.29	25.28	<=30	Pass
		Inner_1RB_Left	19.07	18.84	21.97	22.27	22.04	25.17	<=30	Pass
		Inner_1RB_Right	19.21	18.99	22.11	22.41	22.19	25.31	<=30	Pass
	3460.02	Edge_1RB_Left	16.63	15.99	19.33	19.83	19.19	22.53	<=30	Pass
		Edge_1RB_Right	16.58	16.18	19.4	19.78	19.38	22.6	<=30	Pass
		Outer_Full	16.46	16.09	19.29	19.66	19.29	22.49	<=30	Pass
		Inner_Full	16.33	16.12	19.24	19.53	19.32	22.44	<=30	Pass
		Inner_1RB_Left	16.66	15.96	19.34	19.86	19.16	22.54	<=30	Pass
	3500.01	Inner_1RB_Right	16.57	16.17	19.38	19.77	19.37	22.58	<=30	Pass
		Edge_1RB_Left	16.51	16.29	19.41	19.71	19.49	22.61	<=30	Pass
		Edge_1RB_Right	16.59	16.15	19.39	19.79	19.35	22.59	<=30	Pass
		Outer_Full	16.45	16.28	19.38	19.65	19.48	22.58	<=30	Pass
		Inner_Full	16.36	16.35	19.37	19.56	19.55	22.57	<=30	Pass
	3540	Inner_1RB_Left	16.53	16.27	19.41	19.73	19.47	22.61	<=30	Pass
		Inner_1RB_Right	16.63	16.26	19.46	19.83	19.46	22.66	<=30	Pass
		Edge_1RB_Left	16.21	16.05	19.14	19.41	19.25	22.34	<=30	Pass
		Edge_1RB_Right	16.38	16.12	19.26	19.58	19.32	22.46	<=30	Pass
		Outer_Full	16.19	16.04	19.13	19.39	19.24	22.33	<=30	Pass
	Inner_Full	15.99	16.12	19.07	19.19	19.32	22.27	<=30	Pass	
	Inner_1RB_Left	16.24	15.96	19.11	19.44	19.16	22.31	<=30	Pass	
	Inner_1RB_Right	16.47	16.1	19.3	19.67	19.3	22.5	<=30	Pass	

Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;

1.8 30k_MIMO_30MHz_NTNV_EIRP

1.8.1 Test Result

5G NR n77d SCS=30kHz MIMO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3465	Edge_1RB_Left	19.54	19.06	22.31	22.74	22.26	25.51	<=30	Pass
		Edge_1RB_Right	19.41	19.36	22.39	22.61	22.56	25.59	<=30	Pass
		Outer_Full	19.8	19.54	22.69	23	22.74	25.89	<=30	Pass
		Inner_Full	21.29	21.03	24.17	24.49	24.23	27.37	<=30	Pass
		Inner_1RB_Left	21.54	20.93	24.26	24.74	24.13	27.46	<=30	Pass
	Inner_1RB_Right	21.39	21.33	24.37	24.59	24.53	27.57	<=30	Pass	
	3500.01	Edge_1RB_Left	19.56	19.28	22.43	22.76	22.48	25.63	<=30	Pass
		Edge_1RB_Right	19.53	19.31	22.43	22.73	22.51	25.63	<=30	Pass
		Outer_Full	19.86	19.84	22.86	23.06	23.04	26.06	<=30	Pass
		Inner_Full	21.33	21.22	24.29	24.53	24.42	27.49	<=30	Pass
		Inner_1RB_Left	21.47	21.37	24.43	24.67	24.57	27.63	<=30	Pass
	3534.99	Inner_1RB_Right	21.64	21.22	24.44	24.84	24.42	27.64	<=30	Pass
		Edge_1RB_Left	19.56	19.23	22.41	22.76	22.43	25.61	<=30	Pass
		Edge_1RB_Right	19.48	19.38	22.44	22.68	22.58	25.64	<=30	Pass



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CP-OFDM 16 QAM	3465	Outer_Full	19.65	19.69	22.68	22.85	22.89	25.88	<=30	Pass			
		Inner_Full	21.04	21.15	24.1	24.24	24.35	27.3	<=30	Pass			
		Inner_1RB_Left	21.39	21.1	24.26	24.59	24.3	27.46	<=30	Pass			
		Inner_1RB_Right	21.38	21.33	24.36	24.58	24.53	27.56	<=30	Pass			
	3500.01	3465	Edge_1RB_Left	19.36	19.22	22.3	22.56	22.42	25.5	<=30	Pass		
			Edge_1RB_Right	19.4	19.4	22.41	22.6	22.6	25.61	<=30	Pass		
		3500.01	3465	Outer_Full	19.82	19.62	22.73	23.02	22.82	25.93	<=30	Pass	
				Inner_Full	20.76	20.55	23.67	23.96	23.75	26.87	<=30	Pass	
			3500.01	3465	Inner_1RB_Left	21.01	20.68	23.86	24.21	23.88	27.06	<=30	Pass
					Inner_1RB_Right	20.98	21.07	24.04	24.18	24.27	27.24	<=30	Pass
		3534.99	3500.01	Edge_1RB_Left	19.44	19.59	22.53	22.64	22.79	25.73	<=30	Pass	
				Edge_1RB_Right	19.47	19.4	22.45	22.67	22.6	25.65	<=30	Pass	
3534.99			3500.01	Outer_Full	19.9	19.8	22.86	23.1	23	26.06	<=30	Pass	
				Inner_Full	20.83	20.85	23.85	24.03	24.05	27.05	<=30	Pass	
CP-OFDM 64 QAM		3465	Inner_1RB_Left	20.96	21.19	24.09	24.16	24.39	27.29	<=30	Pass		
			Inner_1RB_Right	20.96	21.01	23.99	24.16	24.21	27.19	<=30	Pass		
	3500.01		3465	Edge_1RB_Left	19.45	19.38	22.43	22.65	22.58	25.63	<=30	Pass	
				Edge_1RB_Right	19.5	19.51	22.52	22.7	22.71	25.72	<=30	Pass	
	3534.99	3500.01	Outer_Full	19.67	19.76	22.72	22.87	22.96	25.92	<=30	Pass		
			Inner_Full	20.55	20.71	23.64	23.75	23.91	26.84	<=30	Pass		
		3534.99	3500.01	Inner_1RB_Left	20.95	20.87	23.92	24.15	24.07	27.12	<=30	Pass	
				Inner_1RB_Right	20.99	21.02	24.01	24.19	24.22	27.21	<=30	Pass	
	CP-OFDM 256 QAM	3465	Edge_1RB_Left	19.27	18.8	22.05	22.47	22	25.25	<=30	Pass		
			Edge_1RB_Right	19.27	19.05	22.18	22.47	22.25	25.38	<=30	Pass		
			3500.01	3465	Outer_Full	19.39	19.09	22.25	22.59	22.29	25.45	<=30	Pass
					Inner_Full	19.22	19.03	22.14	22.42	22.23	25.34	<=30	Pass
3534.99		3500.01	Inner_1RB_Left	19.23	18.82	22.04	22.43	22.02	25.24	<=30	Pass		
			Inner_1RB_Right	19.25	19.03	22.15	22.45	22.23	25.35	<=30	Pass		
		3534.99	3500.01	Edge_1RB_Left	19.33	19.23	22.29	22.53	22.43	25.49	<=30	Pass	
				Edge_1RB_Right	19.29	19.03	22.17	22.49	22.23	25.37	<=30	Pass	
3534.99		3500.01	Outer_Full	19.4	19.28	22.35	22.6	22.48	25.55	<=30	Pass		
			Inner_Full	19.29	19.28	22.3	22.49	22.48	25.5	<=30	Pass		
		3534.99	3500.01	Inner_1RB_Left	19.33	19.14	22.25	22.53	22.34	25.45	<=30	Pass	
				Inner_1RB_Right	19.29	19.03	22.17	22.49	22.23	25.37	<=30	Pass	
CP-OFDM 256 QAM	3465	Edge_1RB_Left	19.21	18.95	22.09	22.41	22.15	25.29	<=30	Pass			
		Edge_1RB_Right	19.19	19.02	22.11	22.39	22.22	25.31	<=30	Pass			
		3500.01	3465	Outer_Full	19.21	19.23	22.23	22.41	22.43	25.43	<=30	Pass	
				Inner_Full	18.97	19.12	22.06	22.17	22.32	25.26	<=30	Pass	
	3500.01	3465	Inner_1RB_Left	19.23	18.95	22.1	22.43	22.15	25.3	<=30	Pass		
			Inner_1RB_Right	19.18	19.03	22.12	22.38	22.23	25.32	<=30	Pass		
		3500.01	3465	Edge_1RB_Left	16.61	15.99	19.32	19.81	19.19	22.52	<=30	Pass	
				Edge_1RB_Right	16.53	16.23	19.39	19.73	19.43	22.59	<=30	Pass	
	3500.01	3465	Outer_Full	16.36	16.06	19.22	19.56	19.26	22.42	<=30	Pass		
			Inner_Full	16.36	16.08	19.23	19.56	19.28	22.43	<=30	Pass		
		3500.01	3465	Inner_1RB_Left	16.59	15.98	19.31	19.79	19.18	22.51	<=30	Pass	
				Inner_1RB_Right	16.47	16.35	19.42	19.67	19.55	22.62	<=30	Pass	
3500.01	3465	Edge_1RB_Left	16.62	16.41	19.53	19.82	19.61	22.73	<=30	Pass			
		Edge_1RB_Right	16.57	16.19	19.4	19.77	19.39	22.6	<=30	Pass			



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3534.99	Outer_Full	16.44	16.38	19.42	19.64	19.58	22.62	<=30	Pass
	Inner_Full	16.39	16.31	19.36	19.59	19.51	22.56	<=30	Pass
	Inner_1RB_Left	16.63	16.32	19.49	19.83	19.52	22.69	<=30	Pass
	Inner_1RB_Right	16.55	16.19	19.38	19.75	19.39	22.58	<=30	Pass
	Edge_1RB_Left	16.53	16.12	19.34	19.73	19.32	22.54	<=30	Pass
	Edge_1RB_Right	16.49	16.25	19.38	19.69	19.45	22.58	<=30	Pass
	Outer_Full	16.19	16.22	19.21	19.39	19.42	22.41	<=30	Pass
	Inner_Full	16.13	16.17	19.16	19.33	19.37	22.36	<=30	Pass
	Inner_1RB_Left	16.56	16.19	19.39	19.76	19.39	22.59	<=30	Pass
	Inner_1RB_Right	16.55	16.36	19.46	19.75	19.56	22.66	<=30	Pass

Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;

1.9 30k_MIMO_40MHz_NTNV_EIRP

1.9.1 Test Result

5G NR n77d SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3470.01	Edge_1RB_Left	19.52	19.17	22.36	22.72	22.37	25.56	<=30	Pass
		Edge_1RB_Right	19.53	19.36	22.45	22.73	22.56	25.65	<=30	Pass
		Outer_Full	19.93	19.81	22.88	23.13	23.01	26.08	<=30	Pass
		Inner_Full	21.34	21.28	24.32	24.54	24.48	27.52	<=30	Pass
		Inner_1RB_Left	21.42	21.05	24.25	24.62	24.25	27.45	<=30	Pass
		Inner_1RB_Right	21.56	21.38	24.48	24.76	24.58	27.68	<=30	Pass
	3500.01	Edge_1RB_Left	19.65	19.36	22.52	22.85	22.56	25.72	<=30	Pass
		Edge_1RB_Right	19.44	19.24	22.35	22.64	22.44	25.55	<=30	Pass
		Outer_Full	19.86	19.81	22.84	23.06	23.01	26.04	<=30	Pass
		Inner_Full	21.33	21.36	24.35	24.53	24.56	27.55	<=30	Pass
		Inner_1RB_Left	21.38	21.32	24.36	24.58	24.52	27.56	<=30	Pass
		Inner_1RB_Right	21.41	21.1	24.27	24.61	24.3	27.47	<=30	Pass
	3529.98	Edge_1RB_Left	19.56	19.26	22.42	22.76	22.46	25.62	<=30	Pass
		Edge_1RB_Right	19.43	19.3	22.38	22.63	22.5	25.58	<=30	Pass
		Outer_Full	19.76	19.73	22.76	22.96	22.93	25.96	<=30	Pass
		Inner_Full	21.12	21.16	24.15	24.32	24.36	27.35	<=30	Pass
		Inner_1RB_Left	21.57	21.18	24.39	24.77	24.38	27.59	<=30	Pass
		Inner_1RB_Right	21.44	21.25	24.35	24.64	24.45	27.55	<=30	Pass
CP-OFDM 16 QAM	3470.01	Edge_1RB_Left	19.46	19.42	22.45	22.66	22.62	25.65	<=30	Pass
		Edge_1RB_Right	19.43	19.66	22.56	22.63	22.86	25.76	<=30	Pass
		Outer_Full	19.89	19.8	22.86	23.09	23	26.06	<=30	Pass
		Inner_Full	20.91	20.76	23.84	24.11	23.96	27.04	<=30	Pass
		Inner_1RB_Left	21.15	20.72	23.95	24.35	23.92	27.15	<=30	Pass
		Inner_1RB_Right	21.07	21.19	24.14	24.27	24.39	27.34	<=30	Pass
	3500.01	Edge_1RB_Left	19.47	19.59	22.54	22.67	22.79	25.74	<=30	Pass
		Edge_1RB_Right	19.41	19.39	22.41	22.61	22.59	25.61	<=30	Pass
		Outer_Full	19.86	19.77	22.82	23.06	22.97	26.02	<=30	Pass



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		Inner_Full	20.93	20.81	23.88	24.13	24.01	27.08	<=30	Pass	
		Inner_1RB_Left	20.98	21.05	24.02	24.18	24.25	27.22	<=30	Pass	
		Inner_1RB_Right	20.96	20.86	23.92	24.16	24.06	27.12	<=30	Pass	
	3529.98		Edge_1RB_Left	19.55	19.66	22.62	22.75	22.86	25.82	<=30	Pass
			Edge_1RB_Right	19.42	19.61	22.52	22.62	22.81	25.72	<=30	Pass
			Outer_Full	19.7	19.65	22.69	22.9	22.85	25.89	<=30	Pass
			Inner_Full	20.65	20.7	23.69	23.85	23.9	26.89	<=30	Pass
			Inner_1RB_Left	21.08	21.07	24.08	24.28	24.27	27.28	<=30	Pass
			Inner_1RB_Right	21.06	21.02	24.05	24.26	24.22	27.25	<=30	Pass
	CP-OFDM 64 QAM	3470.01	Edge_1RB_Left	19.34	18.78	22.08	22.54	21.98	25.28	<=30	Pass
			Edge_1RB_Right	19.45	19.29	22.38	22.65	22.49	25.58	<=30	Pass
			Outer_Full	19.43	19.18	22.32	22.63	22.38	25.52	<=30	Pass
Inner_Full			19.36	19.17	22.28	22.56	22.37	25.48	<=30	Pass	
Inner_1RB_Left			19.39	18.84	22.13	22.59	22.04	25.33	<=30	Pass	
Inner_1RB_Right			19.42	19.17	22.31	22.62	22.37	25.51	<=30	Pass	
3500.01			Edge_1RB_Left	19.3	19.16	22.24	22.5	22.36	25.44	<=30	Pass
			Edge_1RB_Right	19.17	19.04	22.12	22.37	22.24	25.32	<=30	Pass
			Outer_Full	19.35	19.28	22.33	22.55	22.48	25.53	<=30	Pass
			Inner_Full	19.38	19.26	22.34	22.58	22.46	25.54	<=30	Pass
			Inner_1RB_Left	19.22	19.16	22.2	22.42	22.36	25.4	<=30	Pass
			Inner_1RB_Right	19.2	18.94	22.08	22.4	22.14	25.28	<=30	Pass
3529.98			Edge_1RB_Left	19.48	19.11	22.31	22.68	22.31	25.51	<=30	Pass
			Edge_1RB_Right	19.33	19.12	22.24	22.53	22.32	25.44	<=30	Pass
			Outer_Full	19.16	19.21	22.2	22.36	22.41	25.4	<=30	Pass
			Inner_Full	19.07	19.04	22.07	22.27	22.24	25.27	<=30	Pass
			Inner_1RB_Left	19.31	19.01	22.17	22.51	22.21	25.37	<=30	Pass
			Inner_1RB_Right	19.31	19.14	22.24	22.51	22.34	25.44	<=30	Pass
CP-OFDM 256 QAM		3470.01	Edge_1RB_Left	16.6	15.97	19.31	19.8	19.17	22.51	<=30	Pass
			Edge_1RB_Right	16.56	16.28	19.43	19.76	19.48	22.63	<=30	Pass
			Outer_Full	16.47	16.24	19.37	19.67	19.44	22.57	<=30	Pass
			Inner_Full	16.42	16.19	19.32	19.62	19.39	22.52	<=30	Pass
			Inner_1RB_Left	16.6	15.99	19.32	19.8	19.19	22.52	<=30	Pass
			Inner_1RB_Right	16.58	16.32	19.46	19.78	19.52	22.66	<=30	Pass
	3500.01		Edge_1RB_Left	16.56	16.33	19.46	19.76	19.53	22.66	<=30	Pass
			Edge_1RB_Right	16.44	16.11	19.29	19.64	19.31	22.49	<=30	Pass
			Outer_Full	16.43	16.38	19.42	19.63	19.58	22.62	<=30	Pass
			Inner_Full	16.45	16.27	19.37	19.65	19.47	22.57	<=30	Pass
			Inner_1RB_Left	16.56	16.39	19.49	19.76	19.59	22.69	<=30	Pass
			Inner_1RB_Right	16.48	16.18	19.34	19.68	19.38	22.54	<=30	Pass
	3529.98		Edge_1RB_Left	16.6	16.26	19.44	19.8	19.46	22.64	<=30	Pass
			Edge_1RB_Right	16.47	16.32	19.41	19.67	19.52	22.61	<=30	Pass
			Outer_Full	16.21	16.19	19.21	19.41	19.39	22.41	<=30	Pass
			Inner_Full	16.08	16.1	19.1	19.28	19.3	22.3	<=30	Pass
			Inner_1RB_Left	16.62	16.21	19.43	19.82	19.41	22.63	<=30	Pass
			Inner_1RB_Right	16.48	16.29	19.39	19.68	19.49	22.59	<=30	Pass
Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;											



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1.10 30k_MIMO_60MHz_NTNV_EIRP

1.10.1 Test Result

5G NR n77d SCS=30kHz MIMO 60MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3480	Edge_1RB_Left	19.32	18.9	22.13	22.52	22.1	25.33	<=30	Pass
		Edge_1RB_Right	19.32	19.03	22.19	22.52	22.23	25.39	<=30	Pass
		Outer_Full	19.79	19.6	22.71	22.99	22.8	25.91	<=30	Pass
		Inner_Full	21.29	21.11	24.21	24.49	24.31	27.41	<=30	Pass
		Inner_1RB_Left	21.38	20.74	24.08	24.58	23.94	27.28	<=30	Pass
		Inner_1RB_Right	21.41	21.07	24.25	24.61	24.27	27.45	<=30	Pass
	3500.01	Edge_1RB_Left	19.32	19.1	22.22	22.52	22.3	25.42	<=30	Pass
		Edge_1RB_Right	18.99	18.87	21.94	22.19	22.07	25.14	<=30	Pass
		Outer_Full	19.64	19.57	22.62	22.84	22.77	25.82	<=30	Pass
		Inner_Full	21.2	21.09	24.15	24.4	24.29	27.35	<=30	Pass
		Inner_1RB_Left	21.29	20.97	24.14	24.49	24.17	27.34	<=30	Pass
	3519.99	Inner_1RB_Right	21.1	20.8	23.96	24.3	24	27.16	<=30	Pass
		Edge_1RB_Left	19.25	19.02	22.15	22.45	22.22	25.35	<=30	Pass
		Edge_1RB_Right	19.09	18.89	22	22.29	22.09	25.2	<=30	Pass
		Outer_Full	19.59	19.48	22.54	22.79	22.68	25.74	<=30	Pass
Inner_Full		21.2	20.98	24.1	24.4	24.18	27.3	<=30	Pass	
Inner_1RB_Left		21.25	20.96	24.12	24.45	24.16	27.32	<=30	Pass	
CP-OFDM 16 QAM	3480	Inner_1RB_Right	21.24	20.98	24.12	24.44	24.18	27.32	<=30	Pass
		Edge_1RB_Left	19.32	18.98	22.16	22.52	22.18	25.36	<=30	Pass
		Edge_1RB_Right	19.43	19.2	22.33	22.63	22.4	25.53	<=30	Pass
		Outer_Full	19.63	19.64	22.65	22.83	22.84	25.85	<=30	Pass
		Inner_Full	20.77	20.67	23.73	23.97	23.87	26.93	<=30	Pass
		Inner_1RB_Left	20.74	20.57	23.67	23.94	23.77	26.87	<=30	Pass
	3500.01	Inner_1RB_Right	20.87	20.82	23.86	24.07	24.02	27.06	<=30	Pass
		Edge_1RB_Left	19.26	19.24	22.26	22.46	22.44	25.46	<=30	Pass
		Edge_1RB_Right	18.85	19.16	22.02	22.05	22.36	25.22	<=30	Pass
		Outer_Full	19.66	19.62	22.65	22.86	22.82	25.85	<=30	Pass
		Inner_Full	20.77	20.66	23.72	23.97	23.86	26.92	<=30	Pass
		Inner_1RB_Left	20.72	20.97	23.85	23.92	24.17	27.05	<=30	Pass
	3519.99	Inner_1RB_Right	20.42	20.66	23.55	23.62	23.86	26.75	<=30	Pass
		Edge_1RB_Left	19.24	19.33	22.29	22.44	22.53	25.49	<=30	Pass
		Edge_1RB_Right	19.23	19.14	22.2	22.43	22.34	25.4	<=30	Pass
Outer_Full		19.61	19.48	22.56	22.81	22.68	25.76	<=30	Pass	
Inner_Full		20.63	20.47	23.56	23.83	23.67	26.76	<=30	Pass	
Inner_1RB_Left		20.84	20.97	23.92	24.04	24.17	27.12	<=30	Pass	
CP-OFDM 64 QAM	3480	Inner_1RB_Right	20.6	20.7	23.66	23.8	23.9	26.86	<=30	Pass
		Edge_1RB_Left	18.99	18.76	21.89	22.19	21.96	25.09	<=30	Pass
		Edge_1RB_Right	19.06	18.85	21.97	22.26	22.05	25.17	<=30	Pass
		Outer_Full	19.22	19.09	22.17	22.42	22.29	25.37	<=30	Pass
		Inner_Full	19.24	19.11	22.18	22.44	22.31	25.38	<=30	Pass



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	3500.01	Inner_1RB_Left	18.98	18.72	21.87	22.18	21.92	25.07	<=30	Pass
		Inner_1RB_Right	19.09	18.87	21.99	22.29	22.07	25.19	<=30	Pass
		Edge_1RB_Left	19.03	18.95	22	22.23	22.15	25.2	<=30	Pass
		Edge_1RB_Right	18.62	18.63	21.63	21.82	21.83	24.83	<=30	Pass
		Outer_Full	19.12	19.09	22.11	22.32	22.29	25.31	<=30	Pass
		Inner_Full	19.25	19.11	22.19	22.45	22.31	25.39	<=30	Pass
	3519.99	Inner_1RB_Left	19.03	18.92	21.99	22.23	22.12	25.19	<=30	Pass
			Inner_1RB_Right	18.7	18.64	21.68	21.9	21.84	24.88	<=30
		Edge_1RB_Left	19.1	18.96	22.04	22.3	22.16	25.24	<=30	Pass
			Edge_1RB_Right	18.93	18.79	21.87	22.13	21.99	25.07	<=30
		Outer_Full	19.1	19.01	22.06	22.3	22.21	25.26	<=30	Pass
			Inner_Full	19.15	18.96	22.07	22.35	22.16	25.27	<=30
		Inner_1RB_Left	19.11	18.87	22	22.31	22.07	25.2	<=30	Pass
			Inner_1RB_Right	18.97	18.77	21.88	22.17	21.97	25.08	<=30
CP-OFDM 256 QAM	3480	Edge_1RB_Left	16.3	15.9	19.11	19.5	19.1	22.31	<=30	Pass
		Edge_1RB_Right	16.38	15.95	19.18	19.58	19.15	22.38	<=30	Pass
		Outer_Full	16.25	16.17	19.22	19.45	19.37	22.42	<=30	Pass
		Inner_Full	16.24	16.19	19.23	19.44	19.39	22.43	<=30	Pass
		Inner_1RB_Left	16.32	15.87	19.11	19.52	19.07	22.31	<=30	Pass
			Inner_1RB_Right	16.33	16.04	19.2	19.53	19.24	22.4	<=30
	3500.01	Edge_1RB_Left	16.22	16.07	19.16	19.42	19.27	22.36	<=30	Pass
			Edge_1RB_Right	15.89	15.76	18.83	19.09	18.96	22.03	<=30
		Outer_Full	16.17	16.13	19.16	19.37	19.33	22.36	<=30	Pass
			Inner_Full	16.24	16.2	19.23	19.44	19.4	22.43	<=30
		Inner_1RB_Left	16.21	16.09	19.16	19.41	19.29	22.36	<=30	Pass
			Inner_1RB_Right	15.75	15.86	18.81	18.95	19.06	22.01	<=30
	3519.99	Edge_1RB_Left	16.4	16.09	19.26	19.6	19.29	22.46	<=30	Pass
			Edge_1RB_Right	16.24	15.84	19.06	19.44	19.04	22.26	<=30
		Outer_Full	16.15	16.01	19.09	19.35	19.21	22.29	<=30	Pass
			Inner_Full	16.16	16	19.09	19.36	19.2	22.29	<=30
		Inner_1RB_Left	16.48	16.1	19.31	19.68	19.3	22.51	<=30	Pass
			Inner_1RB_Right	16.21	15.89	19.06	19.41	19.09	22.26	<=30
Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;										

1.11 30k_MIMO_80MHz_NTNV_EIRP

1.11.1 Test Result

5G NR n77d SCS=30kHz MIMO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3490.02	Edge_1RB_Left	19.02	18.71	21.88	22.22	21.91	25.08	<=30	Pass
		Edge_1RB_Right	18.73	18.76	21.76	21.93	21.96	24.96	<=30	Pass
		Outer_Full	19.47	19.44	22.47	22.67	22.64	25.67	<=30	Pass
		Inner_Full	21.01	20.97	24	24.21	24.17	27.2	<=30	Pass
		Inner_1RB_Left	21.15	20.73	23.95	24.35	23.93	27.15	<=30	Pass



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	3500.01	Inner_1RB_Right	20.73	20.72	23.74	23.93	23.92	26.94	<=30	Pass	
		Edge_1RB_Left	19.03	19	22.02	22.23	22.2	25.22	<=30	Pass	
		Edge_1RB_Right	18.61	18.93	21.78	21.81	22.13	24.98	<=30	Pass	
		Outer_Full	19.44	19.48	22.47	22.64	22.68	25.67	<=30	Pass	
		Inner_Full	21.03	21.01	24.03	24.23	24.21	27.23	<=30	Pass	
		Inner_1RB_Left	20.99	20.76	23.89	24.19	23.96	27.09	<=30	Pass	
	3510	Inner_1RB_Right	20.74	20.91	23.83	23.94	24.11	27.03	<=30	Pass	
		Edge_1RB_Left	19.05	18.9	21.99	22.25	22.1	25.19	<=30	Pass	
		Edge_1RB_Right	18.99	18.96	21.98	22.19	22.16	25.18	<=30	Pass	
		Outer_Full	19.5	19.34	22.43	22.7	22.54	25.63	<=30	Pass	
		Inner_Full	21.03	20.97	24.01	24.23	24.17	27.21	<=30	Pass	
		Inner_1RB_Left	21.16	20.98	24.08	24.36	24.18	27.28	<=30	Pass	
	CP-OFDM 16 QAM	3490.02	Inner_1RB_Right	21	20.77	23.9	24.2	23.97	27.1	<=30	Pass
			Edge_1RB_Left	19	18.96	21.99	22.2	22.16	25.19	<=30	Pass
Edge_1RB_Right			18.66	19.07	21.88	21.86	22.27	25.08	<=30	Pass	
Outer_Full			19.42	19.42	22.43	22.62	22.62	25.63	<=30	Pass	
Inner_Full			20.58	20.54	23.57	23.78	23.74	26.77	<=30	Pass	
Inner_1RB_Left			20.67	20.44	23.57	23.87	23.64	26.77	<=30	Pass	
3500.01		Inner_1RB_Right	20.28	20.6	23.45	23.48	23.8	26.65	<=30	Pass	
		Edge_1RB_Left	19.11	18.98	22.05	22.31	22.18	25.25	<=30	Pass	
		Edge_1RB_Right	18.73	18.99	21.87	21.93	22.19	25.07	<=30	Pass	
		Outer_Full	19.46	19.31	22.4	22.66	22.51	25.6	<=30	Pass	
		Inner_Full	20.61	20.45	23.54	23.81	23.65	26.74	<=30	Pass	
		Inner_1RB_Left	20.58	20.46	23.53	23.78	23.66	26.73	<=30	Pass	
3510		Inner_1RB_Right	20.32	20.41	23.38	23.52	23.61	26.58	<=30	Pass	
		Edge_1RB_Left	19.18	19.13	22.17	22.38	22.33	25.37	<=30	Pass	
		Edge_1RB_Right	18.9	18.96	21.94	22.1	22.16	25.14	<=30	Pass	
		Outer_Full	19.45	19.33	22.4	22.65	22.53	25.6	<=30	Pass	
		Inner_Full	20.59	20.38	23.5	23.79	23.58	26.7	<=30	Pass	
		Inner_1RB_Left	20.56	20.65	23.61	23.76	23.85	26.81	<=30	Pass	
CP-OFDM 64 QAM		3490.02	Inner_1RB_Right	20.48	20.5	23.5	23.68	23.7	26.7	<=30	Pass
			Edge_1RB_Left	18.87	18.6	21.75	22.07	21.8	24.95	<=30	Pass
			Edge_1RB_Right	18.54	18.48	21.52	21.74	21.68	24.72	<=30	Pass
			Outer_Full	19.04	18.95	22.01	22.24	22.15	25.21	<=30	Pass
			Inner_Full	19.05	19.05	22.06	22.25	22.25	25.26	<=30	Pass
			Inner_1RB_Left	18.9	18.49	21.71	22.1	21.69	24.91	<=30	Pass
	3500.01	Inner_1RB_Right	18.59	18.52	21.56	21.79	21.72	24.76	<=30	Pass	
		Edge_1RB_Left	18.87	18.64	21.77	22.07	21.84	24.97	<=30	Pass	
		Edge_1RB_Right	18.49	18.69	21.6	21.69	21.89	24.8	<=30	Pass	
		Outer_Full	18.94	18.89	21.93	22.14	22.09	25.13	<=30	Pass	
		Inner_Full	19.04	18.93	21.99	22.24	22.13	25.19	<=30	Pass	
		Inner_1RB_Left	18.85	18.62	21.74	22.05	21.82	24.94	<=30	Pass	
	3510	Inner_1RB_Right	18.49	18.65	21.58	21.69	21.85	24.78	<=30	Pass	
		Edge_1RB_Left	18.84	18.71	21.79	22.04	21.91	24.99	<=30	Pass	
		Edge_1RB_Right	18.74	18.73	21.75	21.94	21.93	24.95	<=30	Pass	
		Outer_Full	18.96	18.87	21.92	22.16	22.07	25.12	<=30	Pass	
		Inner_Full	19.03	18.88	21.96	22.23	22.08	25.16	<=30	Pass	
		Inner_1RB_Left	18.82	18.66	21.75	22.02	21.86	24.95	<=30	Pass	



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CP-OFDM 256 QAM	3490.02	Inner_1RB_Right	18.74	18.62	21.69	21.94	21.82	24.89	<=30	Pass
		Edge_1RB_Left	16.11	15.68	18.91	19.31	18.88	22.11	<=30	Pass
		Edge_1RB_Right	15.8	15.61	18.72	19	18.81	21.92	<=30	Pass
		Outer_Full	16.03	15.96	19.01	19.23	19.16	22.21	<=30	Pass
		Inner_Full	16.04	16.04	19.05	19.24	19.24	22.25	<=30	Pass
		Inner_1RB_Left	16.11	15.55	18.85	19.31	18.75	22.05	<=30	Pass
	3500.01	Inner_1RB_Right	15.83	15.64	18.75	19.03	18.84	21.95	<=30	Pass
		Edge_1RB_Left	16.04	15.83	18.95	19.24	19.03	22.15	<=30	Pass
		Edge_1RB_Right	15.67	15.78	18.74	18.87	18.98	21.94	<=30	Pass
		Outer_Full	15.98	15.92	18.96	19.18	19.12	22.16	<=30	Pass
		Inner_Full	16.05	15.97	19.02	19.25	19.17	22.22	<=30	Pass
		Inner_1RB_Left	16.14	15.82	18.99	19.34	19.02	22.19	<=30	Pass
	3510	Inner_1RB_Right	15.69	15.84	18.77	18.89	19.04	21.97	<=30	Pass
		Edge_1RB_Left	16.15	15.93	19.05	19.35	19.13	22.25	<=30	Pass
		Edge_1RB_Right	16.08	15.86	18.98	19.28	19.06	22.18	<=30	Pass
		Outer_Full	15.9	15.89	18.91	19.1	19.09	22.11	<=30	Pass
		Inner_Full	15.98	15.9	18.95	19.18	19.1	22.15	<=30	Pass
		Inner_1RB_Left	16.09	15.91	19.01	19.29	19.11	22.21	<=30	Pass
		Inner_1RB_Right	15.98	15.86	18.93	19.18	19.06	22.13	<=30	Pass
Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;										

1.12 30k_MIMO_100MHz_NTNV_EIRP

1.12.1 Test Result

5G NR n77d SCS=30kHz MIMO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3500.01	Edge_1RB_Left	19.07	18.64	21.87	22.27	21.84	25.07	<=30	Pass
		Edge_1RB_Right	19.09	18.94	22.02	22.29	22.14	25.22	<=30	Pass
		Outer_Full	19.41	19.39	22.41	22.61	22.59	25.61	<=30	Pass
		Inner_Full	20.93	20.89	23.92	24.13	24.09	27.12	<=30	Pass
		Inner_1RB_Left	21.11	20.58	23.86	24.31	23.78	27.06	<=30	Pass
		Inner_1RB_Right	21.1	20.81	23.97	24.3	24.01	27.17	<=30	Pass
	3500.01	Edge_1RB_Left	19.02	18.73	21.89	22.22	21.93	25.09	<=30	Pass
		Edge_1RB_Right	19.07	19.09	22.09	22.27	22.29	25.29	<=30	Pass
		Outer_Full	19.44	19.36	22.41	22.64	22.56	25.61	<=30	Pass
		Inner_Full	20.96	20.92	23.95	24.16	24.12	27.15	<=30	Pass
		Inner_1RB_Left	20.86	20.78	23.83	24.06	23.98	27.03	<=30	Pass
		Inner_1RB_Right	21.07	20.88	23.98	24.27	24.08	27.18	<=30	Pass
	3499.98	Edge_1RB_Left	18.86	18.75	21.82	22.06	21.95	25.02	<=30	Pass
		Edge_1RB_Right	18.98	18.98	22	22.18	22.18	25.2	<=30	Pass
		Outer_Full	19.37	19.32	22.36	22.57	22.52	25.56	<=30	Pass
		Inner_Full	21.01	20.87	23.95	24.21	24.07	27.15	<=30	Pass
		Inner_1RB_Left	20.86	20.73	23.81	24.06	23.93	27.01	<=30	Pass
		Inner_1RB_Right	20.99	20.96	23.98	24.19	24.16	27.18	<=30	Pass



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CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	18.92	18.92	21.93	22.12	22.12	25.13	<=30	Pass
		Edge_1RB_Right	19	19.15	22.08	22.2	22.35	25.28	<=30	Pass
		Outer_Full	19.43	19.36	22.4	22.63	22.56	25.6	<=30	Pass
		Inner_Full	20.52	20.41	23.48	23.72	23.61	26.68	<=30	Pass
		Inner_1RB_Left	20.41	20.37	23.4	23.61	23.57	26.6	<=30	Pass
	Inner_1RB_Right	20.59	20.63	23.62	23.79	23.83	26.82	<=30	Pass	
	3500.01	Edge_1RB_Left	19.09	18.96	22.04	22.29	22.16	25.24	<=30	Pass
		Edge_1RB_Right	19.06	19.12	22.1	22.26	22.32	25.3	<=30	Pass
		Outer_Full	19.42	19.34	22.39	22.62	22.54	25.59	<=30	Pass
		Inner_Full	20.47	20.46	23.47	23.67	23.66	26.67	<=30	Pass
		Inner_1RB_Left	20.53	20.31	23.43	23.73	23.51	26.63	<=30	Pass
	Inner_1RB_Right	20.59	20.56	23.58	23.79	23.76	26.78	<=30	Pass	
	3499.98	Edge_1RB_Left	18.89	18.84	21.87	22.09	22.04	25.07	<=30	Pass
		Edge_1RB_Right	19.01	19.07	22.05	22.21	22.27	25.25	<=30	Pass
		Outer_Full	19.42	19.31	22.38	22.62	22.51	25.58	<=30	Pass
Inner_Full		20.55	20.42	23.5	23.75	23.62	26.7	<=30	Pass	
Inner_1RB_Left		20.48	20.3	23.4	23.68	23.5	26.6	<=30	Pass	
Inner_1RB_Right	20.55	20.52	23.54	23.75	23.72	26.74	<=30	Pass		
CP-OFDM 64 QAM	3500.01	Edge_1RB_Left	18.78	18.52	21.66	21.98	21.72	24.86	<=30	Pass
		Edge_1RB_Right	18.86	18.7	21.79	22.06	21.9	24.99	<=30	Pass
		Outer_Full	18.91	18.9	21.92	22.11	22.1	25.12	<=30	Pass
		Inner_Full	19.03	18.91	21.98	22.23	22.11	25.18	<=30	Pass
		Inner_1RB_Left	18.74	18.44	21.6	21.94	21.64	24.8	<=30	Pass
	Inner_1RB_Right	18.82	18.82	21.83	22.02	22.02	25.03	<=30	Pass	
	3500.01	Edge_1RB_Left	18.9	18.44	21.68	22.1	21.64	24.88	<=30	Pass
		Edge_1RB_Right	18.92	18.76	21.85	22.12	21.96	25.05	<=30	Pass
		Outer_Full	18.93	18.86	21.9	22.13	22.06	25.1	<=30	Pass
		Inner_Full	18.98	18.91	21.95	22.18	22.11	25.15	<=30	Pass
		Inner_1RB_Left	18.84	18.5	21.68	22.04	21.7	24.88	<=30	Pass
	Inner_1RB_Right	18.87	18.64	21.77	22.07	21.84	24.97	<=30	Pass	
	3499.98	Edge_1RB_Left	18.87	18.4	21.65	22.07	21.6	24.85	<=30	Pass
		Edge_1RB_Right	18.89	18.69	21.8	22.09	21.89	25	<=30	Pass
		Outer_Full	18.95	18.88	21.93	22.15	22.08	25.13	<=30	Pass
Inner_Full		19.01	18.94	21.99	22.21	22.14	25.19	<=30	Pass	
Inner_1RB_Left		18.86	18.43	21.66	22.06	21.63	24.86	<=30	Pass	
Inner_1RB_Right	18.84	18.68	21.78	22.04	21.88	24.98	<=30	Pass		
CP-OFDM 256 QAM	3500.01	Edge_1RB_Left	16.06	15.66	18.88	19.26	18.86	22.08	<=30	Pass
		Edge_1RB_Right	16.07	15.84	18.97	19.27	19.04	22.17	<=30	Pass
		Outer_Full	15.87	15.85	18.87	19.07	19.05	22.07	<=30	Pass
		Inner_Full	16.01	15.93	18.98	19.21	19.13	22.18	<=30	Pass
		Inner_1RB_Left	15.99	15.62	18.82	19.19	18.82	22.02	<=30	Pass
	Inner_1RB_Right	16.02	15.88	18.96	19.22	19.08	22.16	<=30	Pass	
	3500.01	Edge_1RB_Left	16.12	15.62	18.89	19.32	18.82	22.09	<=30	Pass
		Edge_1RB_Right	16.17	15.81	19.01	19.37	19.01	22.21	<=30	Pass
		Outer_Full	15.92	15.87	18.9	19.12	19.07	22.1	<=30	Pass
		Inner_Full	16.02	15.93	18.98	19.22	19.13	22.18	<=30	Pass
		Inner_1RB_Left	16.12	15.55	18.85	19.32	18.75	22.05	<=30	Pass
		Inner_1RB_Right	16.18	15.88	19.04	19.38	19.08	22.24	<=30	Pass



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3499.98	Edge_1RB_Left	16.09	15.64	18.88	19.29	18.84	22.08	<=30	Pass
	Edge_1RB_Right	16.15	15.82	19	19.35	19.02	22.2	<=30	Pass
	Outer_Full	15.98	15.91	18.96	19.18	19.11	22.16	<=30	Pass
	Inner_Full	16.03	15.88	18.97	19.23	19.08	22.17	<=30	Pass
	Inner_1RB_Left	16.12	15.52	18.84	19.32	18.72	22.04	<=30	Pass
	Inner_1RB_Right	16.11	15.77	18.95	19.31	18.97	22.15	<=30	Pass
Note1: Antenna Gain: Ant1: 3.2dBi; Ant4: 3.2dBi;									



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2. Frequency Stability

2.1 30k_SISO_20MHz

2.1.1 Test Result

5G NR n77d SCS=30kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-5.60	-0.0016	/	Pass
				HV	12.00	0.0034	/	Pass
			-30	NV	-10.00	-0.0029	/	Pass
				NV	-4.60	-0.0013	/	Pass
			-10	NV	-8.20	-0.0023	/	Pass
				NV	3.40	0.0010	/	Pass
			10	NV	-5.20	-0.0015	/	Pass
				NV	11.50	0.0033	/	Pass
			30	NV	-6.30	-0.0018	/	Pass
				NV	-7.50	-0.0021	/	Pass
50	NV	-4.20	-0.0012	/	Pass			
	20	Outer_Full	LV	-9.40	-0.0027	/	Pass	
HV			-9.10	-0.0026	/	Pass		
DFT-s-OFDM QPSK	3500.01	Outer_Full	-30	NV	-13.80	-0.0039	/	Pass
				NV	-5.10	-0.0015	/	Pass
			-10	NV	-5.60	-0.0016	/	Pass
				NV	-10.30	-0.0029	/	Pass
			10	NV	-6.70	-0.0019	/	Pass
				NV	-1.70	-0.0005	/	Pass
			30	NV	-6.60	-0.0019	/	Pass
				NV	-6.50	-0.0019	/	Pass
			50	NV	-14.80	-0.0042	/	Pass
				20	Outer_Full	LV	1.80	0.0005
HV	-8.80	-0.0025	/			Pass		
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	-30	NV	2.40	0.0007	/	Pass
				NV	-2.10	-0.0006	/	Pass
			-10	NV	-14.10	-0.0040	/	Pass
				NV	3.00	0.0009	/	Pass
			10	NV	-2.10	-0.0006	/	Pass
				NV	-10.90	-0.0031	/	Pass
			30	NV	-11.30	-0.0032	/	Pass
				NV	-7.10	-0.0020	/	Pass
			50	NV	5.00	0.0014	/	Pass
				20	Outer_Full	LV	3.50	0.0010
HV	3.00	0.0009	/			Pass		
-30	NV	-15.20	-0.0043	/	Pass			
	NV	-15.50	-0.0044	/	Pass			



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Shenzhen Branch, Inspection & Testing Services
Shenzhen Branch, Inspection & Testing Services Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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			-10	NV	-13.70	-0.0039	/	Pass
			0	NV	7.50	0.0021	/	Pass
			10	NV	-3.20	-0.0009	/	Pass
			20	NV	-6.10	-0.0017	/	Pass
			30	NV	6.10	0.0017	/	Pass
			40	NV	-7.90	-0.0023	/	Pass
			50	NV	3.10	0.0009	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	7.90	0.0023	/	Pass
				HV	10.50	0.0030	/	Pass
			-30	NV	-6.40	-0.0018	/	Pass
			-20	NV	-10.90	-0.0031	/	Pass
			-10	NV	2.60	0.0007	/	Pass
			0	NV	4.60	0.0013	/	Pass
			10	NV	-10.50	-0.0030	/	Pass
			20	NV	-10.90	-0.0031	/	Pass
			30	NV	-10.60	-0.0030	/	Pass
			40	NV	-8.90	-0.0025	/	Pass
			50	NV	5.10	0.0015	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	1.30	0.0004	/	Pass
				HV	-1.50	-0.0004	/	Pass
			-30	NV	8.00	0.0023	/	Pass
			-20	NV	-3.50	-0.0010	/	Pass
			-10	NV	-6.90	-0.0020	/	Pass
			0	NV	-10.60	-0.0030	/	Pass
			10	NV	8.00	0.0023	/	Pass
			20	NV	4.30	0.0012	/	Pass
			30	NV	-4.00	-0.0011	/	Pass
			40	NV	2.90	0.0008	/	Pass
			50	NV	-2.10	-0.0006	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	3.30	0.0009	/	Pass
				HV	-8.90	-0.0025	/	Pass
			-30	NV	-4.40	-0.0013	/	Pass
			-20	NV	-17.40	-0.0050	/	Pass
			-10	NV	-2.20	-0.0006	/	Pass
			0	NV	-4.00	-0.0011	/	Pass
			10	NV	-14.30	-0.0041	/	Pass
			20	NV	-10.90	-0.0031	/	Pass
			30	NV	6.50	0.0019	/	Pass
			40	NV	-8.60	-0.0025	/	Pass
			50	NV	5.70	0.0016	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-4.60	-0.0013	/	Pass
				HV	-9.20	-0.0026	/	Pass
			-30	NV	-11.40	-0.0033	/	Pass
			-20	NV	7.50	0.0021	/	Pass
			-10	NV	-5.90	-0.0017	/	Pass
			0	NV	-10.10	-0.0029	/	Pass
			10	NV	8.40	0.0024	/	Pass
			20	NV	4.40	0.0013	/	Pass



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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services
Business Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057

t (86-755) 26012053

www.sgs.com

中国·广东·深圳市南山区科技园中区M-10栋1号厂房

邮编: 518057

t (86-755) 26012053

sgs.china@sgs.com



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Modulation	Frequency (MHz)	RB Allocation	30	NV	-14.90	-0.0043	/	Pass
			40	NV	-7.80	-0.0022	/	Pass
			50	NV	-3.80	-0.0011	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-3.40	-0.0010	/	Pass
				HV	-2.50	-0.0007	/	Pass
			-30	NV	-7.50	-0.0021	/	Pass
			-20	NV	-0.50	-0.0001	/	Pass
			-10	NV	-14.20	-0.0041	/	Pass
			0	NV	6.20	0.0018	/	Pass
			10	NV	8.20	0.0023	/	Pass
			20	NV	-20.60	-0.0059	/	Pass
			30	NV	-6.10	-0.0017	/	Pass
			40	NV	-6.30	-0.0018	/	Pass
			50	NV	-10.30	-0.0029	/	Pass

2.2 30k_SISO_30MHz

2.2.1 Test Result

5G NR n77d SCS=30kHz SISO 30MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	5.60	0.0016	/	Pass
				HV	2.90	0.0008	/	Pass
			-30	NV	4.50	0.0013	/	Pass
			-20	NV	5.10	0.0015	/	Pass
			-10	NV	-9.10	-0.0026	/	Pass
			0	NV	-6.10	-0.0017	/	Pass
			10	NV	9.00	0.0026	/	Pass
			20	NV	-7.50	-0.0021	/	Pass
			30	NV	-12.90	-0.0037	/	Pass
			40	NV	8.70	0.0025	/	Pass
50	NV	9.90	0.0028	/	Pass			
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-1.40	-0.0004	/	Pass
				HV	-12.30	-0.0035	/	Pass
			-30	NV	-13.80	-0.0039	/	Pass
			-20	NV	-1.70	-0.0005	/	Pass
			-10	NV	-4.90	-0.0014	/	Pass
			0	NV	8.80	0.0025	/	Pass
			10	NV	-3.70	-0.0011	/	Pass
			20	NV	2.20	0.0006	/	Pass
			30	NV	-10.40	-0.0030	/	Pass
			40	NV	5.20	0.0015	/	Pass
50	NV	2.60	0.0007	/	Pass			
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-5.70	-0.0016	/	Pass
				HV	9.60	0.0027	/	Pass



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Shenzhen Branch Business Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057
中国·广东·深圳市南山区科技园中区M-10栋1号厂房

t (86-755) 26012053 www.sgsgroup.com.cn
t (86-755) 26012053 sgs.china@sgs.com



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			-30	NV	-5.90	-0.0017	/	Pass
			-20	NV	-11.90	-0.0034	/	Pass
			-10	NV	-5.50	-0.0016	/	Pass
			0	NV	-15.60	-0.0045	/	Pass
			10	NV	8.70	0.0025	/	Pass
			20	NV	6.30	0.0018	/	Pass
			30	NV	-11.00	-0.0031	/	Pass
			40	NV	8.60	0.0025	/	Pass
			50	NV	-6.80	-0.0019	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-10.70	-0.0031	/	Pass
				HV	-10.00	-0.0029	/	Pass
			-30	NV	-6.10	-0.0017	/	Pass
			-20	NV	7.20	0.0021	/	Pass
			-10	NV	-5.40	-0.0015	/	Pass
			0	NV	4.80	0.0014	/	Pass
			10	NV	-4.70	-0.0013	/	Pass
			20	NV	-13.00	-0.0037	/	Pass
			30	NV	-8.30	-0.0024	/	Pass
			40	NV	-11.20	-0.0032	/	Pass
50	NV	-9.80	-0.0028	/	Pass			
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-19.10	-0.0055	/	Pass
				HV	5.20	0.0015	/	Pass
			-30	NV	-3.10	-0.0009	/	Pass
			-20	NV	7.20	0.0021	/	Pass
			-10	NV	-9.90	-0.0028	/	Pass
			0	NV	-13.10	-0.0037	/	Pass
			10	NV	-8.40	-0.0024	/	Pass
			20	NV	-1.80	-0.0005	/	Pass
			30	NV	-9.10	-0.0026	/	Pass
			40	NV	-2.10	-0.0006	/	Pass
50	NV	-7.60	-0.0022	/	Pass			
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-4.70	-0.0013	/	Pass
				HV	-10.30	-0.0029	/	Pass
			-30	NV	10.70	0.0031	/	Pass
			-20	NV	11.40	0.0033	/	Pass
			-10	NV	-8.40	-0.0024	/	Pass
			0	NV	-6.40	-0.0018	/	Pass
			10	NV	-6.70	-0.0019	/	Pass
			20	NV	-1.90	-0.0005	/	Pass
			30	NV	-9.30	-0.0027	/	Pass
			40	NV	-10.20	-0.0029	/	Pass
50	NV	-16.00	-0.0046	/	Pass			
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-9.90	-0.0028	/	Pass
				HV	-10.00	-0.0029	/	Pass
			-30	NV	4.30	0.0012	/	Pass
			-20	NV	1.60	0.0005	/	Pass
			-10	NV	-4.30	-0.0012	/	Pass
0	NV	-11.60	-0.0033	/	Pass			



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 中国·广东·深圳市南山区科技园中区M-10栋1号厂房

t (86-755) 26012053 www.sgs.com.cn
 t (86-755) 26012053 sgs.china@sgs.com



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			10	NV	-2.90	-0.0008	/	Pass
			20	NV	-18.80	-0.0054	/	Pass
			30	NV	-3.10	-0.0009	/	Pass
			40	NV	-4.20	-0.0012	/	Pass
			50	NV	-7.20	-0.0021	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-2.40	-0.0007	/	Pass
				HV	-10.60	-0.0030	/	Pass
			-30	NV	3.40	0.0010	/	Pass
			-20	NV	1.10	0.0003	/	Pass
			-10	NV	-5.50	-0.0016	/	Pass
			0	NV	-8.90	-0.0025	/	Pass
			10	NV	10.60	0.0030	/	Pass
			20	NV	-14.00	-0.0040	/	Pass
			30	NV	7.90	0.0023	/	Pass
			40	NV	-9.90	-0.0028	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	50	NV	-6.30	-0.0018	/	Pass
			20	LV	-5.90	-0.0017	/	Pass
				HV	-7.00	-0.0020	/	Pass
			-30	NV	-6.90	-0.0020	/	Pass
			-20	NV	-14.70	-0.0042	/	Pass
			-10	NV	-10.80	-0.0031	/	Pass
			0	NV	6.30	0.0018	/	Pass
			10	NV	-8.90	-0.0025	/	Pass
			20	NV	-4.00	-0.0011	/	Pass
			30	NV	5.30	0.0015	/	Pass
40	NV	-10.10	-0.0029	/	Pass			
50	NV	-16.50	-0.0047	/	Pass			

2.3 30k_SISO_40MHz

2.3.1 Test Result

5G NR n77d SCS=30kHz SISO 40MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-9.80	-0.0028	/	Pass
				HV	-4.20	-0.0012	/	Pass
			-30	NV	-5.20	-0.0015	/	Pass
			-20	NV	-15.90	-0.0045	/	Pass
			-10	NV	-3.90	-0.0011	/	Pass
			0	NV	-17.20	-0.0049	/	Pass
			10	NV	-9.10	-0.0026	/	Pass
			20	NV	2.40	0.0007	/	Pass
			30	NV	-7.90	-0.0023	/	Pass
			40	NV	-12.10	-0.0035	/	Pass
50	NV	-7.10	-0.0020	/	Pass			



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DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-1.80	-0.0005	/	Pass
				HV	-4.30	-0.0012	/	Pass
			-30	NV	-5.80	-0.0017	/	Pass
					-10.30	-0.0029	/	Pass
			-10	NV	-3.60	-0.0010	/	Pass
			0	NV	-8.10	-0.0023	/	Pass
			10	NV	-8.50	-0.0024	/	Pass
			20	NV	-3.80	-0.0011	/	Pass
			30	NV	-4.40	-0.0013	/	Pass
			40	NV	-2.50	-0.0007	/	Pass
50	NV	-14.30	-0.0041	/	Pass			
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-13.70	-0.0039	/	Pass
				HV	-14.40	-0.0041	/	Pass
			-30	NV	-6.90	-0.0020	/	Pass
					-3.70	-0.0011	/	Pass
			-10	NV	-9.20	-0.0026	/	Pass
			0	NV	-10.10	-0.0029	/	Pass
			10	NV	-8.60	-0.0025	/	Pass
			20	NV	-9.60	-0.0027	/	Pass
			30	NV	-10.60	-0.0030	/	Pass
			40	NV	5.80	0.0017	/	Pass
50	NV	-14.00	-0.0040	/	Pass			
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-7.50	-0.0021	/	Pass
				HV	-3.40	-0.0010	/	Pass
			-30	NV	-5.50	-0.0016	/	Pass
					-15.80	-0.0045	/	Pass
			-10	NV	4.20	0.0012	/	Pass
			0	NV	-15.40	-0.0044	/	Pass
			10	NV	-10.40	-0.0030	/	Pass
			20	NV	4.10	0.0012	/	Pass
			30	NV	-8.20	-0.0023	/	Pass
			40	NV	-5.90	-0.0017	/	Pass
50	NV	-5.40	-0.0015	/	Pass			
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-6.50	-0.0019	/	Pass
				HV	6.50	0.0019	/	Pass
			-30	NV	-11.90	-0.0034	/	Pass
					-8.40	-0.0024	/	Pass
			-10	NV	-3.50	-0.0010	/	Pass
			0	NV	-7.20	-0.0021	/	Pass
			10	NV	-7.40	-0.0021	/	Pass
			20	NV	-7.80	-0.0022	/	Pass
			30	NV	-14.10	-0.0040	/	Pass
			40	NV	-10.80	-0.0031	/	Pass
50	NV	-13.20	-0.0038	/	Pass			
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-5.10	-0.0015	/	Pass
				HV	-18.50	-0.0053	/	Pass
			-30	NV	-11.40	-0.0033	/	Pass
					-10.90	-0.0031	/	Pass



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Shenzhen Branch, Inspection & Testing Services, Shenzhen Laboratory

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057

t (86-755) 26012053

www.sgs.com.cn

中国·广东·深圳市南山区科技园中区M-10栋1号厂房

邮编: 518057

t (86-755) 26012053

sgs.china@sgs.com



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			-10	NV	2.40	0.0007	/	Pass			
			0	NV	-11.80	-0.0034	/	Pass			
			10	NV	-10.40	-0.0030	/	Pass			
			20	NV	-8.40	-0.0024	/	Pass			
			30	NV	-6.00	-0.0017	/	Pass			
			40	NV	-4.10	-0.0012	/	Pass			
			50	NV	-18.90	-0.0054	/	Pass			
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-17.40	-0.0050	/	Pass			
				HV	-6.00	-0.0017	/	Pass			
						-30	NV	-5.20	-0.0015	/	Pass
						-20	NV	-5.60	-0.0016	/	Pass
						-10	NV	-6.90	-0.0020	/	Pass
						0	NV	-6.50	-0.0019	/	Pass
						10	NV	-6.00	-0.0017	/	Pass
						20	NV	-7.90	-0.0023	/	Pass
						30	NV	-11.70	-0.0033	/	Pass
						40	NV	5.30	0.0015	/	Pass
			50	NV	-4.10	-0.0012	/	Pass			
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-11.00	-0.0031	/	Pass			
				HV	-17.20	-0.0049	/	Pass			
						-30	NV	-9.20	-0.0026	/	Pass
						-20	NV	-14.30	-0.0041	/	Pass
						-10	NV	-9.50	-0.0027	/	Pass
						0	NV	9.90	0.0028	/	Pass
						10	NV	-10.00	-0.0029	/	Pass
						20	NV	-16.50	-0.0047	/	Pass
						30	NV	-8.40	-0.0024	/	Pass
						40	NV	-2.70	-0.0008	/	Pass
			50	NV	-8.10	-0.0023	/	Pass			
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-6.50	-0.0019	/	Pass			
				HV	1.10	0.0003	/	Pass			
						-30	NV	-17.20	-0.0049	/	Pass
						-20	NV	-5.30	-0.0015	/	Pass
						-10	NV	-7.70	-0.0022	/	Pass
						0	NV	-11.20	-0.0032	/	Pass
						10	NV	5.40	0.0015	/	Pass
						20	NV	-13.30	-0.0038	/	Pass
						30	NV	-21.80	-0.0062	/	Pass
						40	NV	-15.40	-0.0044	/	Pass
			50	NV	-16.80	-0.0048	/	Pass			

2.4 30k_SISO_60MHz

2.4.1 Test Result

5G NR n77d SCS=30kHz SISO 60MHz



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Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-7.90	-0.0023	/	Pass
				HV	-4.00	-0.0011	/	Pass
			-30	NV	5.80	0.0017	/	Pass
				NV	16.70	0.0048	/	Pass
			-10	NV	2.20	0.0006	/	Pass
				NV	-11.40	-0.0033	/	Pass
			10	NV	6.60	0.0019	/	Pass
				NV	3.50	0.0010	/	Pass
			30	NV	-5.90	-0.0017	/	Pass
				NV	-2.70	-0.0008	/	Pass
40	NV	6.40	0.0018	/	Pass			
	NV	6.40	0.0018	/	Pass			
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-3.60	-0.0010	/	Pass
				HV	-6.40	-0.0018	/	Pass
			-30	NV	-7.40	-0.0021	/	Pass
				NV	-13.40	-0.0038	/	Pass
			-10	NV	-7.50	-0.0021	/	Pass
				NV	6.20	0.0018	/	Pass
			10	NV	-13.20	-0.0038	/	Pass
				NV	-8.10	-0.0023	/	Pass
			30	NV	-4.60	-0.0013	/	Pass
				NV	-7.20	-0.0021	/	Pass
40	NV	-2.40	-0.0007	/	Pass			
	NV	-2.40	-0.0007	/	Pass			
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-14.40	-0.0041	/	Pass
				HV	2.30	0.0007	/	Pass
			-30	NV	-5.60	-0.0016	/	Pass
				NV	6.00	0.0017	/	Pass
			-10	NV	6.90	0.0020	/	Pass
				NV	-8.30	-0.0024	/	Pass
			10	NV	7.00	0.0020	/	Pass
				NV	-2.70	-0.0008	/	Pass
			30	NV	3.40	0.0010	/	Pass
				NV	-11.90	-0.0034	/	Pass
40	NV	-11.10	-0.0032	/	Pass			
	NV	-11.10	-0.0032	/	Pass			
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-12.40	-0.0035	/	Pass
				HV	1.80	0.0005	/	Pass
			-30	NV	-5.90	-0.0017	/	Pass
				NV	-3.20	-0.0009	/	Pass
			-10	NV	3.70	0.0011	/	Pass
				NV	-17.20	-0.0049	/	Pass
			10	NV	5.80	0.0017	/	Pass
				NV	9.80	0.0028	/	Pass
			30	NV	1.70	0.0005	/	Pass
				NV	-7.50	-0.0021	/	Pass
40	NV	-7.50	-0.0021	/	Pass			
	NV	-5.00	-0.0014	/	Pass			
50	NV	-5.00	-0.0014	/	Pass			
	NV	-5.00	-0.0014	/	Pass			
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	4.10	0.0012	/	Pass
				HV	4.30	0.0012	/	Pass



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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			-30	NV	2.90	0.0008	/	Pass
			-20	NV	6.10	0.0017	/	Pass
			-10	NV	9.40	0.0027	/	Pass
			0	NV	-10.80	-0.0031	/	Pass
			10	NV	6.70	0.0019	/	Pass
			20	NV	-21.20	-0.0061	/	Pass
			30	NV	-5.50	-0.0016	/	Pass
			40	NV	-6.00	-0.0017	/	Pass
			50	NV	1.80	0.0005	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-7.60	-0.0022	/	Pass
				HV	8.70	0.0025	/	Pass
			-30	NV	-18.70	-0.0053	/	Pass
			-20	NV	2.80	0.0008	/	Pass
			-10	NV	-4.80	-0.0014	/	Pass
			0	NV	-9.40	-0.0027	/	Pass
			10	NV	-3.70	-0.0011	/	Pass
			20	NV	-3.60	-0.0010	/	Pass
			30	NV	2.40	0.0007	/	Pass
			40	NV	-3.70	-0.0011	/	Pass
50	NV	-10.60	-0.0030	/	Pass			
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-15.00	-0.0043	/	Pass
				HV	10.30	0.0029	/	Pass
			-30	NV	-6.20	-0.0018	/	Pass
			-20	NV	-5.30	-0.0015	/	Pass
			-10	NV	-4.40	-0.0013	/	Pass
			0	NV	5.40	0.0015	/	Pass
			10	NV	-5.70	-0.0016	/	Pass
			20	NV	6.20	0.0018	/	Pass
			30	NV	1.60	0.0005	/	Pass
			40	NV	-10.40	-0.0030	/	Pass
50	NV	5.70	0.0016	/	Pass			
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	5.70	0.0016	/	Pass
				HV	-2.90	-0.0008	/	Pass
			-30	NV	-12.50	-0.0036	/	Pass
			-20	NV	-2.50	-0.0007	/	Pass
			-10	NV	-1.70	-0.0005	/	Pass
			0	NV	9.80	0.0028	/	Pass
			10	NV	-4.00	-0.0011	/	Pass
			20	NV	-13.00	-0.0037	/	Pass
			30	NV	-5.00	-0.0014	/	Pass
			40	NV	-3.90	-0.0011	/	Pass
50	NV	-2.20	-0.0006	/	Pass			
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-1.50	-0.0004	/	Pass
				HV	-8.00	-0.0023	/	Pass
			-30	NV	3.80	0.0011	/	Pass
			-20	NV	-5.90	-0.0017	/	Pass
			-10	NV	5.30	0.0015	/	Pass
			0	NV	-2.50	-0.0007	/	Pass



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房

t (86-755) 26012053 www.sgs.com.cn
t (86-755) 26012053 sgs.china@sgs.com



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			10	NV	3.80	0.0011	/	Pass
			20	NV	-7.70	-0.0022	/	Pass
			30	NV	-12.30	-0.0035	/	Pass
			40	NV	-9.70	-0.0028	/	Pass
			50	NV	-16.40	-0.0047	/	Pass

2.5 30k_SISO_80MHz

2.5.1 Test Result

5G NR n77d 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	3500.01	Outer_Full	20	LV	-15.80	-0.0045	/	Pass
				HV	-9.50	-0.0027	/	Pass
			-30	NV	-4.10	-0.0012	/	Pass
				-20	NV	-9.00	-0.0026	/
			-10	NV	-15.10	-0.0043	/	Pass
				0	NV	-21.00	-0.0060	/
			10	NV	-8.20	-0.0023	/	Pass
				20	NV	-4.20	-0.0012	/
			30	NV	1.80	0.0005	/	Pass
				40	NV	-9.20	-0.0026	/
50	NV	-6.80	-0.0019	/	Pass			
	DFT-s-OFDM QPSK	3500.01	20	LV	-9.10	-0.0026	/	Pass
HV				-6.20	-0.0018	/	Pass	
-30			NV	1.10	0.0003	/	Pass	
			-20	NV	-15.30	-0.0044	/	Pass
-10			NV	-13.40	-0.0038	/	Pass	
			0	NV	-5.60	-0.0016	/	Pass
10			NV	-15.10	-0.0043	/	Pass	
			20	NV	-3.20	-0.0009	/	Pass
30			NV	-5.50	-0.0016	/	Pass	
			40	NV	-4.10	-0.0012	/	Pass
50	NV	-9.10	-0.0026	/	Pass			
	DFT-s-OFDM 16 QAM	3500.01	20	LV	-4.70	-0.0013	/	Pass
HV				-4.80	-0.0014	/	Pass	
-30			NV	-12.60	-0.0036	/	Pass	
			-20	NV	-8.60	-0.0025	/	Pass
-10			NV	-5.80	-0.0017	/	Pass	
			0	NV	-12.40	-0.0035	/	Pass
10			NV	-2.60	-0.0007	/	Pass	
			20	NV	-5.40	-0.0015	/	Pass
30			NV	-17.60	-0.0050	/	Pass	
			40	NV	-6.80	-0.0019	/	Pass
50	NV	-6.70	-0.0019	/	Pass			



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房

t (86-755) 26012053 www.sgs.com.cn
t (86-755) 26012053 sgs.china@sgs.com



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DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	2.40	0.0007	/	Pass
				HV	-6.80	-0.0019	/	Pass
			-30	NV	-6.70	-0.0019	/	Pass
				NV	-13.00	-0.0037	/	Pass
			-10	NV	-11.20	-0.0032	/	Pass
				0	NV	-9.40	-0.0027	/
			10	NV	-2.80	-0.0008	/	Pass
				NV	-11.40	-0.0033	/	Pass
			30	NV	-14.10	-0.0040	/	Pass
				40	NV	-13.30	-0.0038	/
50	NV	-8.40	-0.0024		/	Pass		
	DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-11.60	-0.0033	/
HV					-3.70	-0.0011	/	Pass
-30				NV	-9.70	-0.0028	/	Pass
				NV	-13.10	-0.0037	/	Pass
-10				NV	-2.00	-0.0006	/	Pass
				0	NV	6.10	0.0017	/
10				NV	-9.20	-0.0026	/	Pass
				NV	-5.30	-0.0015	/	Pass
30				NV	-12.00	-0.0034	/	Pass
				40	NV	-12.80	-0.0037	/
50	NV	8.90	0.0025		/	Pass		
	CP-OFDM QPSK	3500.01	Outer_Full	20	LV	10.60	0.0030	/
HV					8.60	0.0025	/	Pass
-30				NV	-5.20	-0.0015	/	Pass
				NV	-10.70	-0.0031	/	Pass
-10				NV	1.80	0.0005	/	Pass
				0	NV	-5.30	-0.0015	/
10				NV	-8.10	-0.0023	/	Pass
				NV	-6.20	-0.0018	/	Pass
30				NV	-4.50	-0.0013	/	Pass
				40	NV	-8.30	-0.0024	/
50	NV	-9.40	-0.0027		/	Pass		
	CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-19.40	-0.0055	/
HV					-6.80	-0.0019	/	Pass
-30				NV	-7.10	-0.0020	/	Pass
				NV	-10.60	-0.0030	/	Pass
-10				NV	-4.50	-0.0013	/	Pass
				0	NV	-9.90	-0.0028	/
10				NV	-3.30	-0.0009	/	Pass
				NV	-6.90	-0.0020	/	Pass
30				NV	-9.50	-0.0027	/	Pass
				40	NV	-10.60	-0.0030	/
50	NV	2.30	0.0007		/	Pass		
	CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-8.30	-0.0024	/
HV					-0.90	-0.0003	/	Pass
-30				NV	11.10	0.0032	/	Pass
				NV	-3.70	-0.0011	/	Pass



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房

t (86-755) 26012053 www.sgsgroup.com.cn
t (86-755) 26012053 sgs.china@sgs.com



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			-10	NV	-3.60	-0.0010	/	Pass
			0	NV	5.20	0.0015	/	Pass
			10	NV	-10.80	-0.0031	/	Pass
			20	NV	-3.20	-0.0009	/	Pass
			30	NV	-6.10	-0.0017	/	Pass
			40	NV	-9.60	-0.0027	/	Pass
			50	NV	-9.10	-0.0026	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-15.10	-0.0043	/	Pass
				HV	-0.90	-0.0003	/	Pass
			-30	NV	10.00	0.0029	/	Pass
			-20	NV	1.90	0.0005	/	Pass
			-10	NV	-2.10	-0.0006	/	Pass
			0	NV	-7.90	-0.0023	/	Pass
			10	NV	-3.70	-0.0011	/	Pass
			20	NV	-2.00	-0.0006	/	Pass
			30	NV	-7.90	-0.0023	/	Pass
			40	NV	-3.00	-0.0009	/	Pass
			50	NV	5.40	0.0015	/	Pass

2.6 30k_SISO_100MHz

2.6.1 Test Result

5G NR n77d SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	6.70	0.0019	/	Pass
				HV	-5.20	-0.0015	/	Pass
			-30	NV	-8.00	-0.0023	/	Pass
			-20	NV	12.40	0.0035	/	Pass
			-10	NV	5.40	0.0015	/	Pass
			0	NV	8.80	0.0025	/	Pass
			10	NV	13.20	0.0038	/	Pass
			20	NV	-13.20	-0.0038	/	Pass
			30	NV	6.20	0.0018	/	Pass
			40	NV	-8.20	-0.0023	/	Pass
			50	NV	-4.60	-0.0013	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	6.90	0.0020	/	Pass
				HV	-9.50	-0.0027	/	Pass
			-30	NV	18.00	0.0051	/	Pass
			-20	NV	-5.00	-0.0014	/	Pass
			-10	NV	-19.10	-0.0055	/	Pass
			0	NV	-3.80	-0.0011	/	Pass
			10	NV	-4.20	-0.0012	/	Pass
			20	NV	-10.50	-0.0030	/	Pass
			30	NV	6.70	0.0019	/	Pass



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房

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t (86-755) 26012053 sgs.china@sgs.com



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DFT-s-OFDM 16 QAM	3500.01	Outer_Full	40	NV	-6.80	-0.0019	/	Pass
			50	NV	-4.00	-0.0011	/	Pass
			20	LV	-12.50	-0.0036	/	Pass
				HV	-5.10	-0.0015	/	Pass
			-30	NV	5.30	0.0015	/	Pass
			-20	NV	2.70	0.0008	/	Pass
			-10	NV	1.40	0.0004	/	Pass
			0	NV	-4.00	-0.0011	/	Pass
			10	NV	-4.10	-0.0012	/	Pass
			20	NV	-1.40	-0.0004	/	Pass
			30	NV	-4.60	-0.0013	/	Pass
			40	NV	-1.10	-0.0003	/	Pass
50	NV	5.90	0.0017	/	Pass			
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-2.50	-0.0007	/	Pass
				HV	-4.50	-0.0013	/	Pass
			-30	NV	-5.90	-0.0017	/	Pass
			-20	NV	-4.90	-0.0014	/	Pass
			-10	NV	4.00	0.0011	/	Pass
			0	NV	-6.40	-0.0018	/	Pass
			10	NV	6.80	0.0019	/	Pass
			20	NV	-8.70	-0.0025	/	Pass
			30	NV	-7.40	-0.0021	/	Pass
			40	NV	-14.90	-0.0043	/	Pass
50	NV	-3.60	-0.0010	/	Pass			
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	10.90	0.0031	/	Pass
				HV	-3.30	-0.0009	/	Pass
			-30	NV	-5.10	-0.0015	/	Pass
			-20	NV	-10.50	-0.0030	/	Pass
			-10	NV	-3.30	-0.0009	/	Pass
			0	NV	7.20	0.0021	/	Pass
			10	NV	-3.80	-0.0011	/	Pass
			20	NV	-2.90	-0.0008	/	Pass
			30	NV	-14.20	-0.0041	/	Pass
			40	NV	-3.80	-0.0011	/	Pass
50	NV	-6.50	-0.0019	/	Pass			
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-10.20	-0.0029	/	Pass
				HV	-5.20	-0.0015	/	Pass
			-30	NV	7.80	0.0022	/	Pass
			-20	NV	-7.50	-0.0021	/	Pass
			-10	NV	-6.20	-0.0018	/	Pass
			0	NV	3.70	0.0011	/	Pass
			10	NV	-9.70	-0.0028	/	Pass
			20	NV	-2.60	-0.0007	/	Pass
			30	NV	2.80	0.0008	/	Pass
			40	NV	4.00	0.0011	/	Pass
50	NV	-4.10	-0.0012	/	Pass			
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-10.30	-0.0029	/	Pass
				HV	-1.90	-0.0005	/	Pass



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			-30	NV	-7.20	-0.0021	/	Pass
			-20	NV	1.50	0.0004	/	Pass
			-10	NV	-7.00	-0.0020	/	Pass
			0	NV	-2.30	-0.0007	/	Pass
			10	NV	-7.10	-0.0020	/	Pass
			20	NV	-6.80	-0.0019	/	Pass
			30	NV	5.70	0.0016	/	Pass
			40	NV	8.60	0.0025	/	Pass
			50	NV	-14.30	-0.0041	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-3.50	-0.0010	/	Pass
				HV	-6.50	-0.0019	/	Pass
			-30	NV	12.80	0.0037	/	Pass
				NV	-7.60	-0.0022	/	Pass
			-10	NV	6.10	0.0017	/	Pass
				NV	7.20	0.0021	/	Pass
			10	NV	-14.80	-0.0042	/	Pass
			20	NV	-4.30	-0.0012	/	Pass
			30	NV	-9.20	-0.0026	/	Pass
			40	NV	3.80	0.0011	/	Pass
50	NV	5.80	0.0017	/	Pass			
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	2.60	0.0007	/	Pass
				HV	-4.20	-0.0012	/	Pass
			-30	NV	-17.40	-0.0050	/	Pass
				NV	-3.00	-0.0009	/	Pass
			-10	NV	2.90	0.0008	/	Pass
				NV	-9.00	-0.0026	/	Pass
			10	NV	-6.80	-0.0019	/	Pass
			20	NV	-6.50	-0.0019	/	Pass
			30	NV	3.50	0.0010	/	Pass
			40	NV	-5.80	-0.0017	/	Pass
50	NV	3.40	0.0010	/	Pass			



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3. 99% & 26dB Bandwidth

3.1 30k_SISO_20MHz_NTNV

3.1.1 Test Result

5G NR n77d SCS=30kHz SISO 20MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3460.02	Outer_Full	18.17	19.74	/	Pass
	3500.01	Outer_Full	18.16	19.64	/	Pass
	3540	Outer_Full	18.06	19.50	/	Pass
DFT-s-OFDM QPSK	3460.02	Outer_Full	18.17	19.45	/	Pass
	3500.01	Outer_Full	18.11	19.83	/	Pass
	3540	Outer_Full	18.12	19.57	/	Pass
DFT-s-OFDM 16 QAM	3460.02	Outer_Full	18.05	19.51	/	Pass
	3500.01	Outer_Full	18.08	19.70	/	Pass
	3540	Outer_Full	18.16	19.52	/	Pass
DFT-s-OFDM 64 QAM	3460.02	Outer_Full	18.08	19.77	/	Pass
	3500.01	Outer_Full	18.11	19.66	/	Pass
	3540	Outer_Full	18.08	19.61	/	Pass
DFT-s-OFDM 256 QAM	3460.02	Outer_Full	18.02	19.69	/	Pass
	3500.01	Outer_Full	18.05	19.72	/	Pass
	3540	Outer_Full	18.05	19.72	/	Pass
CP-OFDM QPSK	3460.02	Outer_Full	18.38	20.01	/	Pass
	3500.01	Outer_Full	18.36	20.01	/	Pass
	3540	Outer_Full	18.40	19.93	/	Pass
CP-OFDM 16 QAM	3460.02	Outer_Full	18.41	20.04	/	Pass
	3500.01	Outer_Full	18.40	20.06	/	Pass
	3540	Outer_Full	18.41	20.11	/	Pass
CP-OFDM 64 QAM	3460.02	Outer_Full	18.39	20.02	/	Pass
	3500.01	Outer_Full	18.38	20.13	/	Pass
	3540	Outer_Full	18.38	20.09	/	Pass
CP-OFDM 256 QAM	3460.02	Outer_Full	18.39	20.03	/	Pass
	3500.01	Outer_Full	18.38	20.00	/	Pass
	3540	Outer_Full	18.35	20.11	/	Pass



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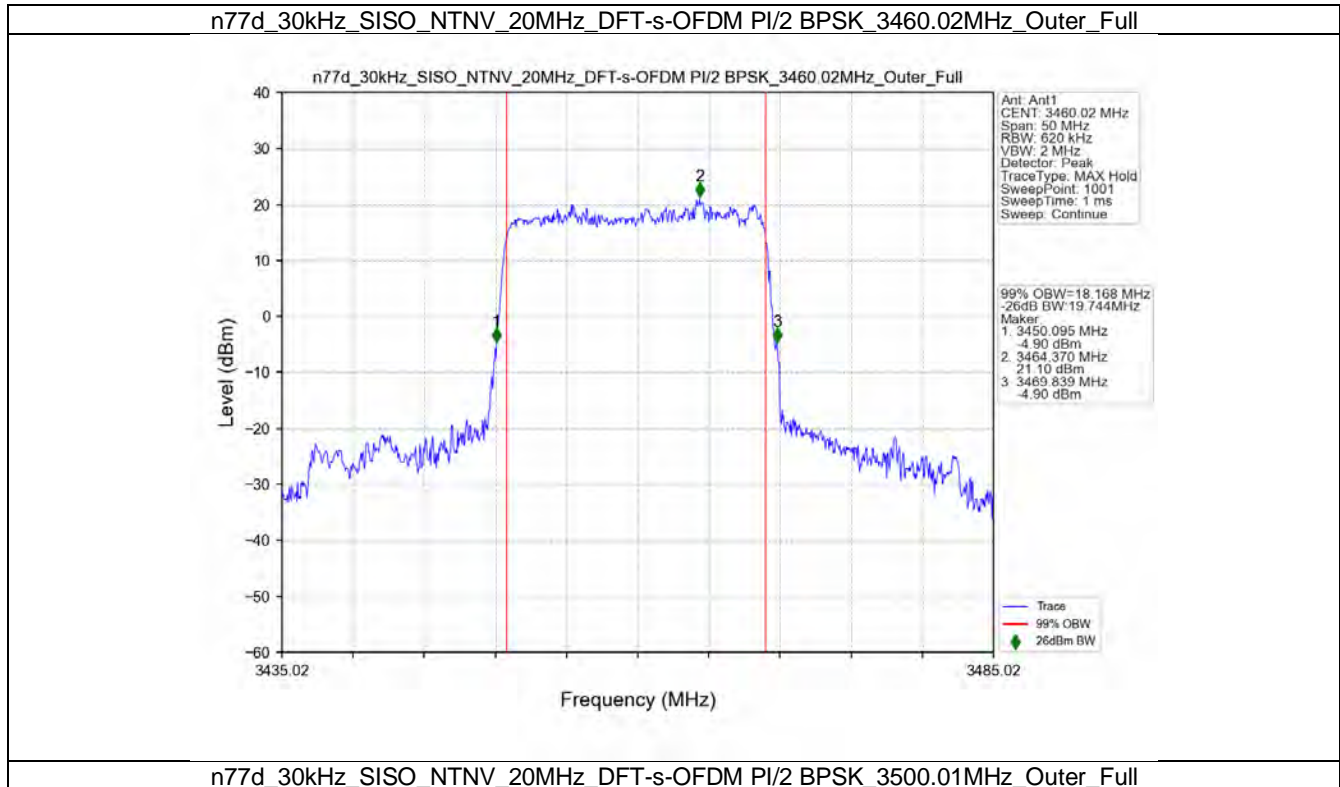
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3.1.2 Test Graph



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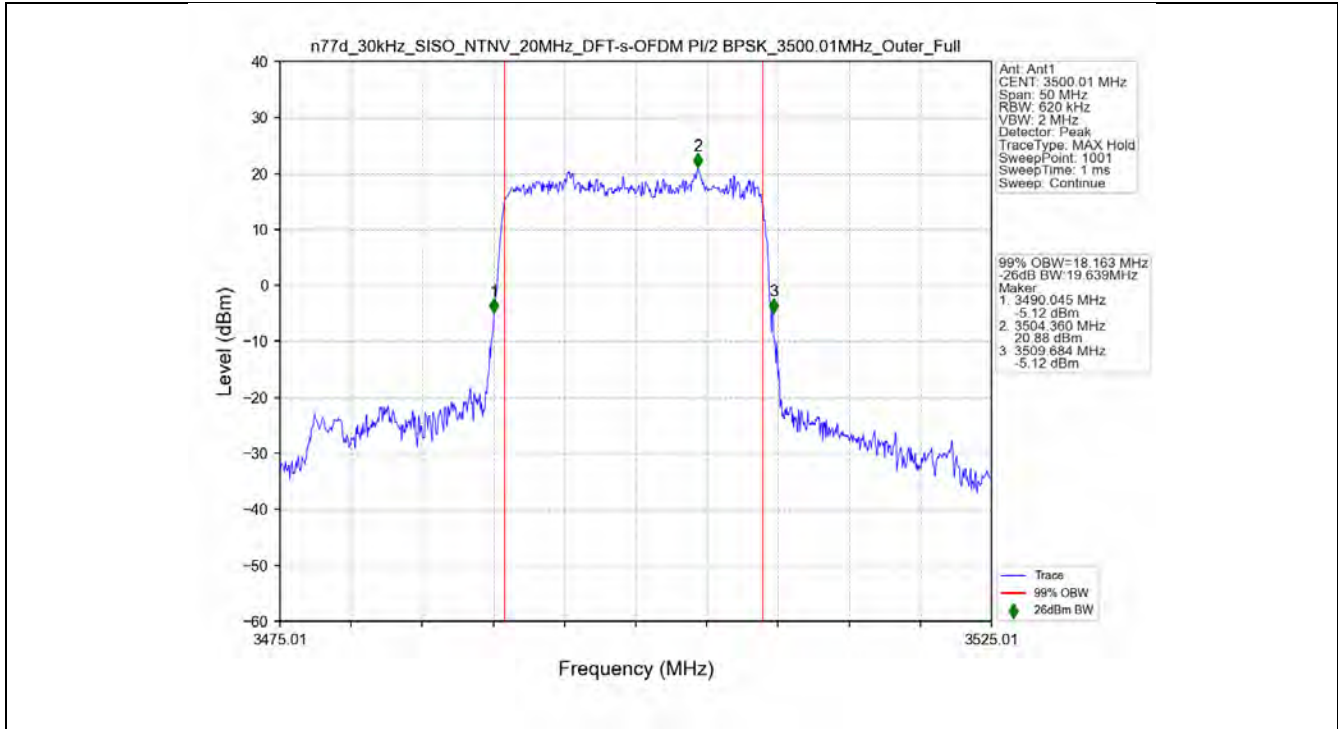


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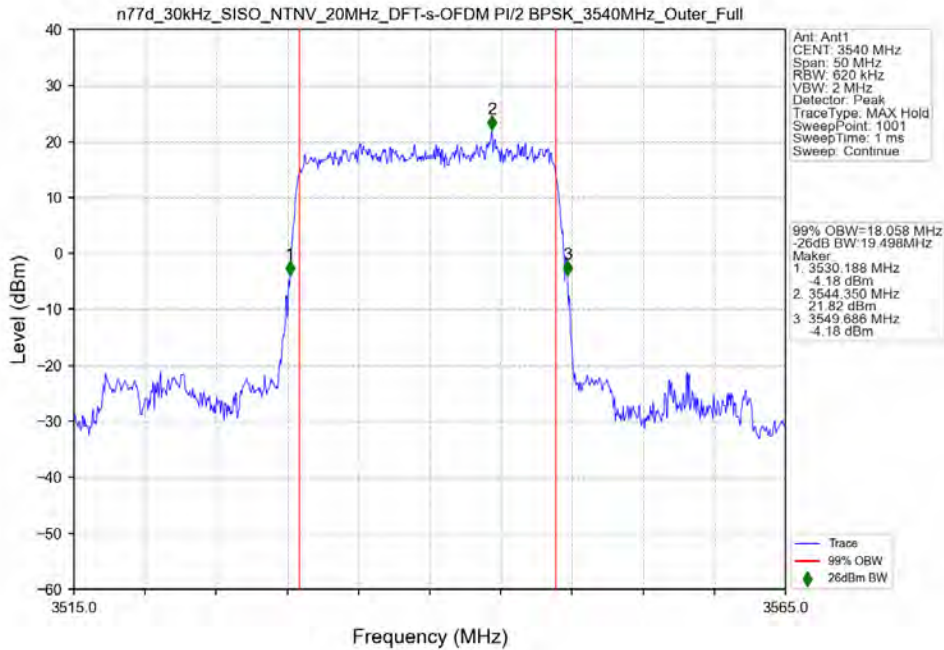
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n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3540MHz_Outer_Full



n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3460.02MHz_Outer_Full



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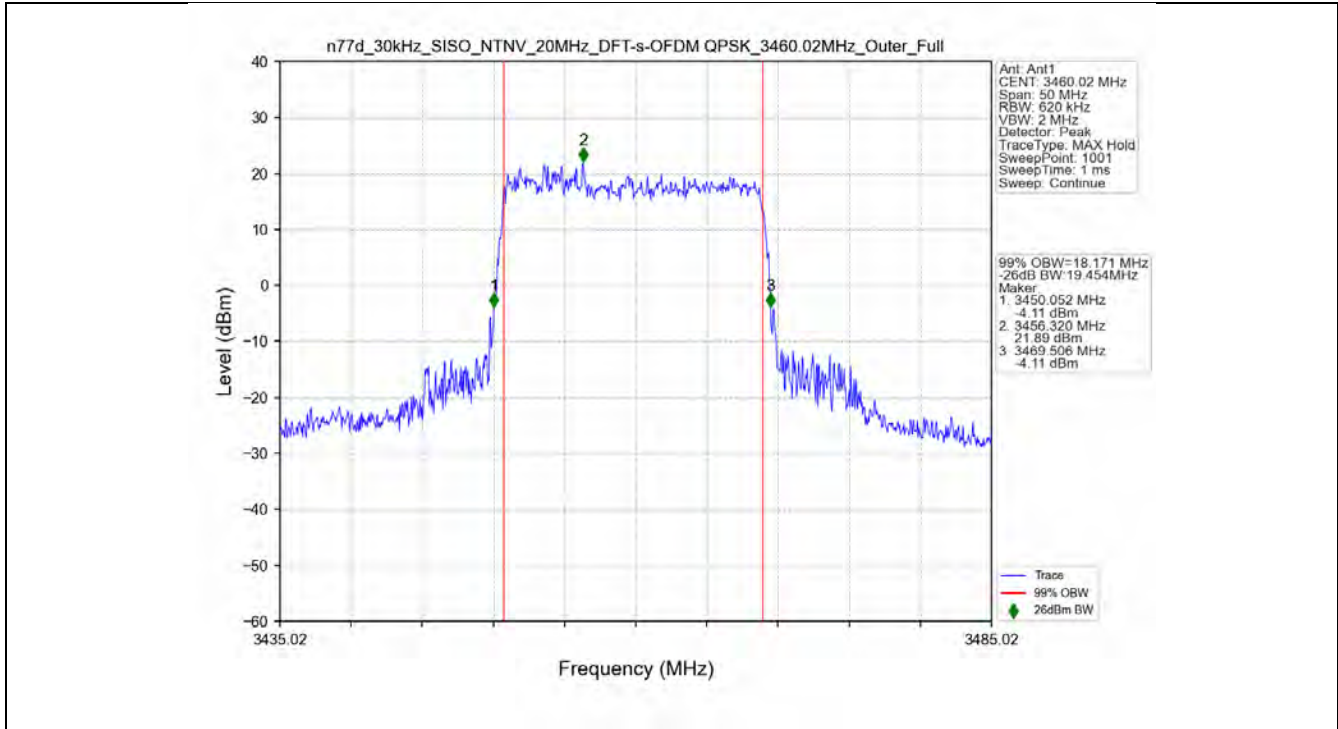


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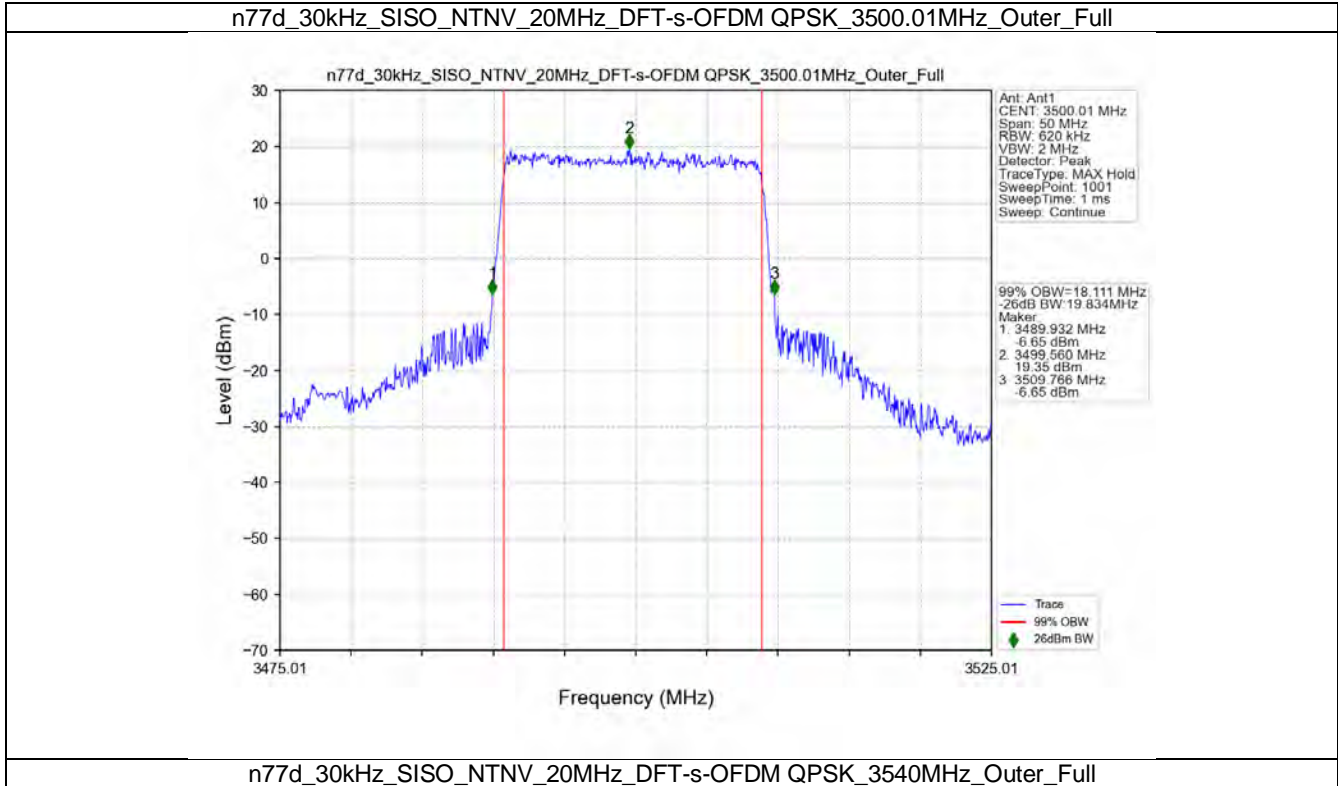


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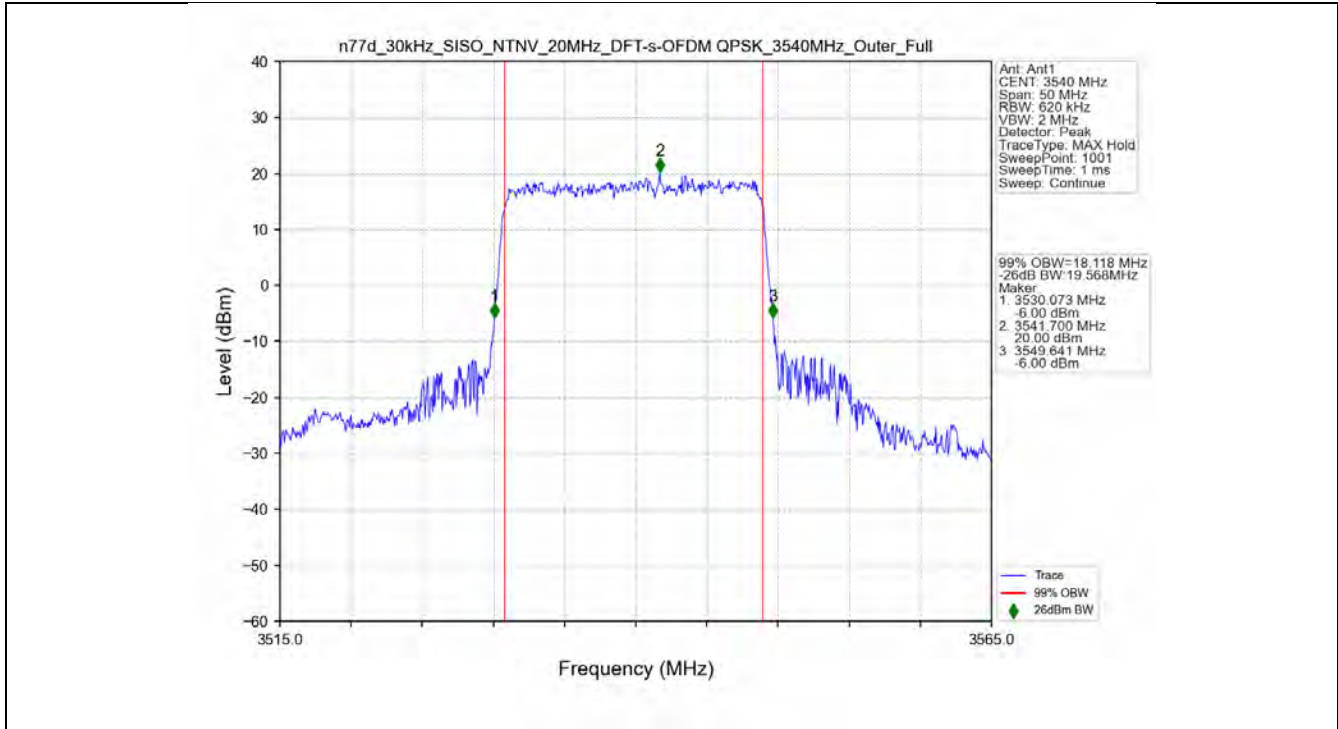


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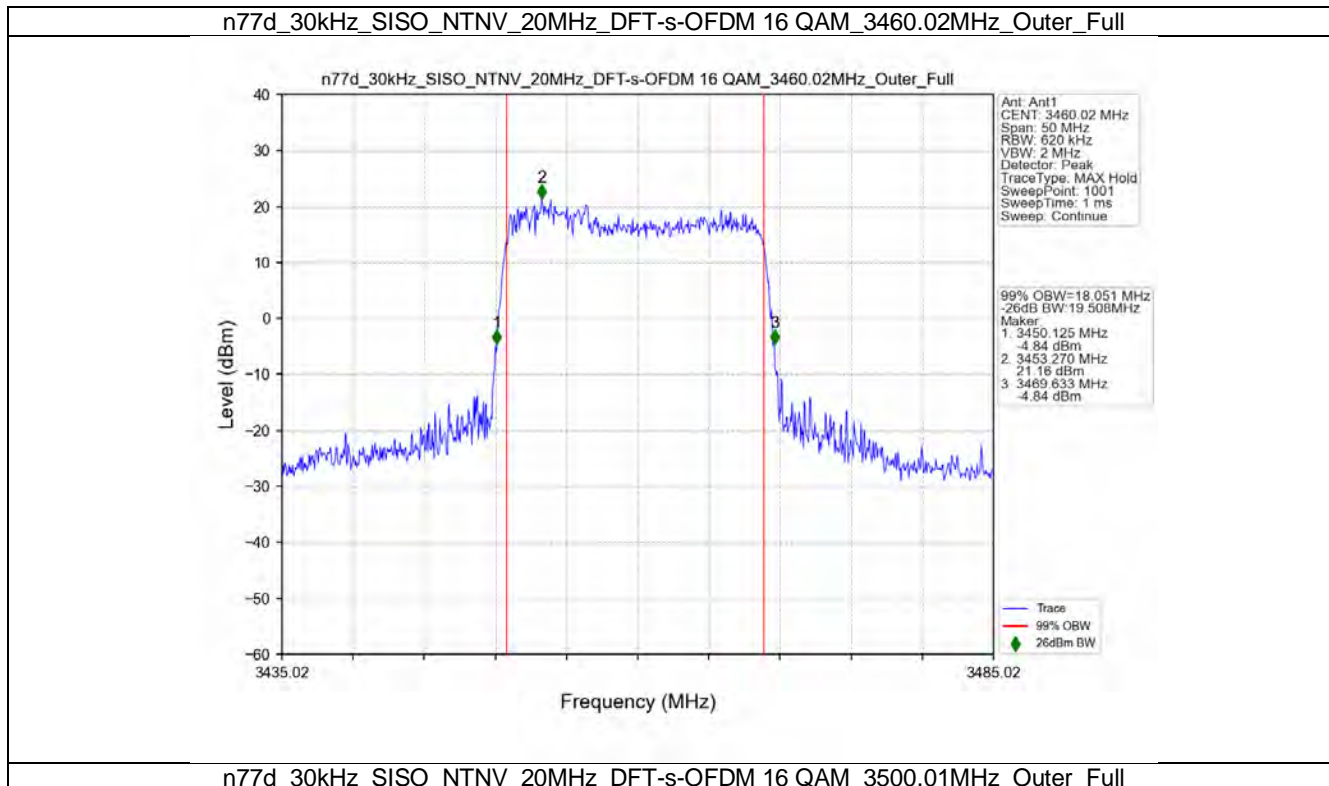
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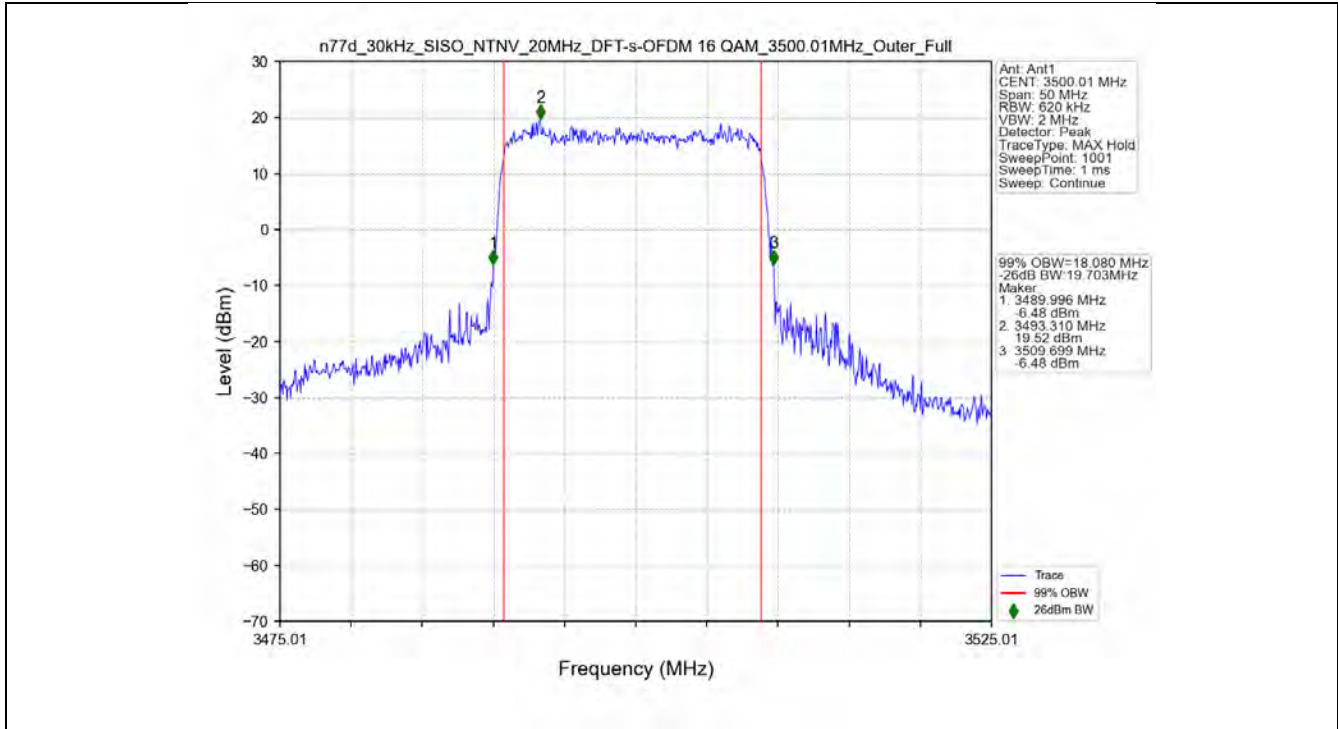


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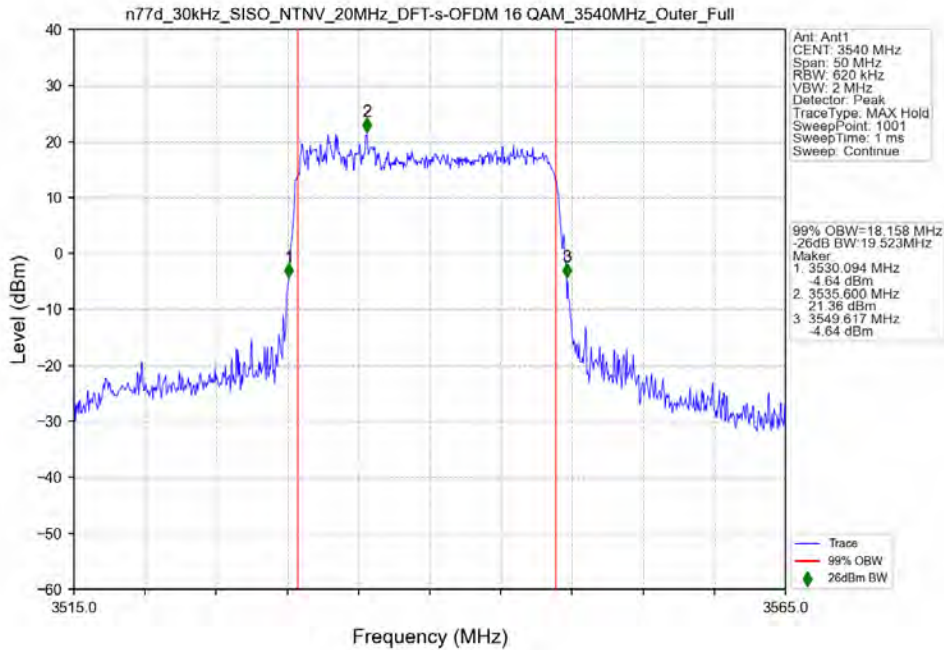
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n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3460.02MHz_Outer_Full



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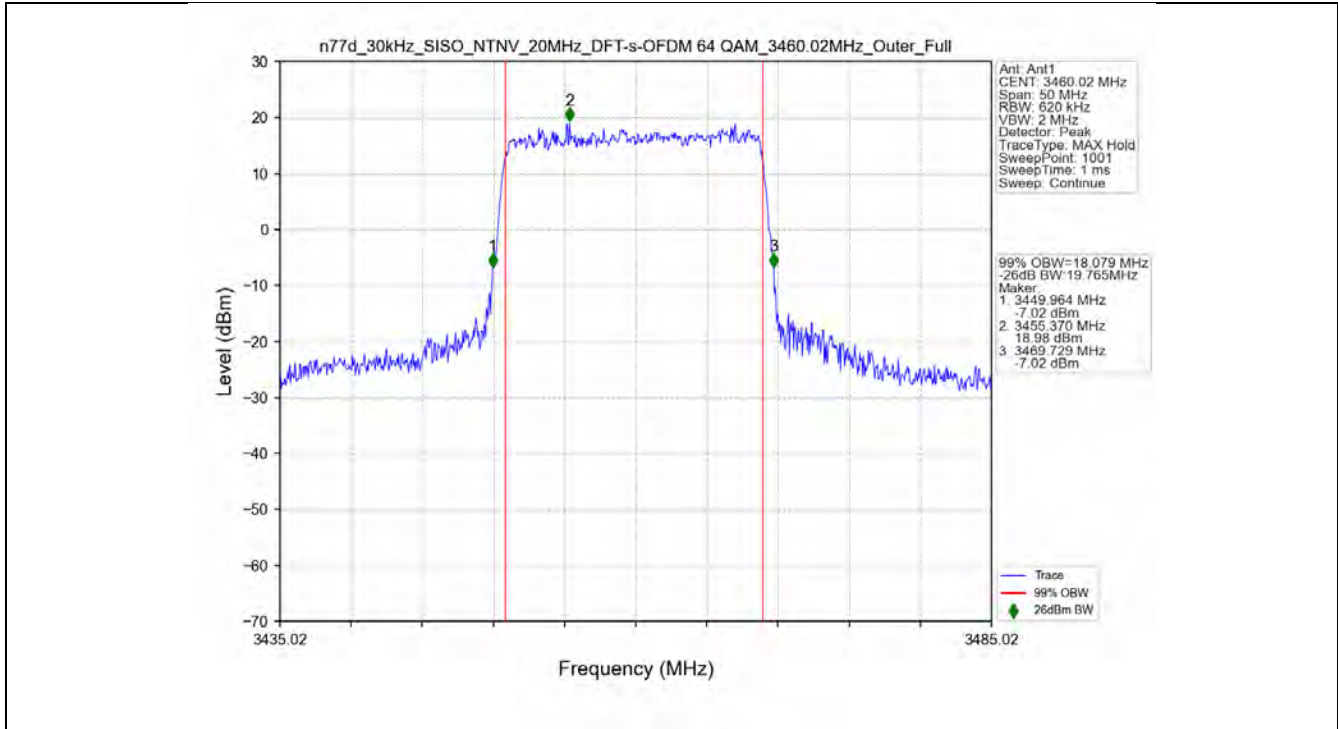


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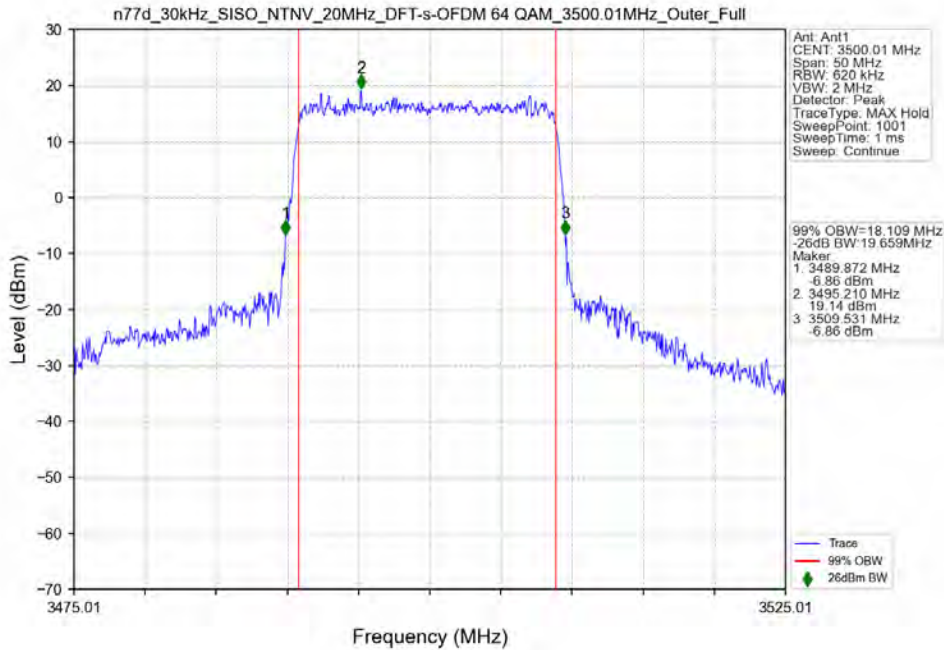
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n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3540MHz_Outer_Full



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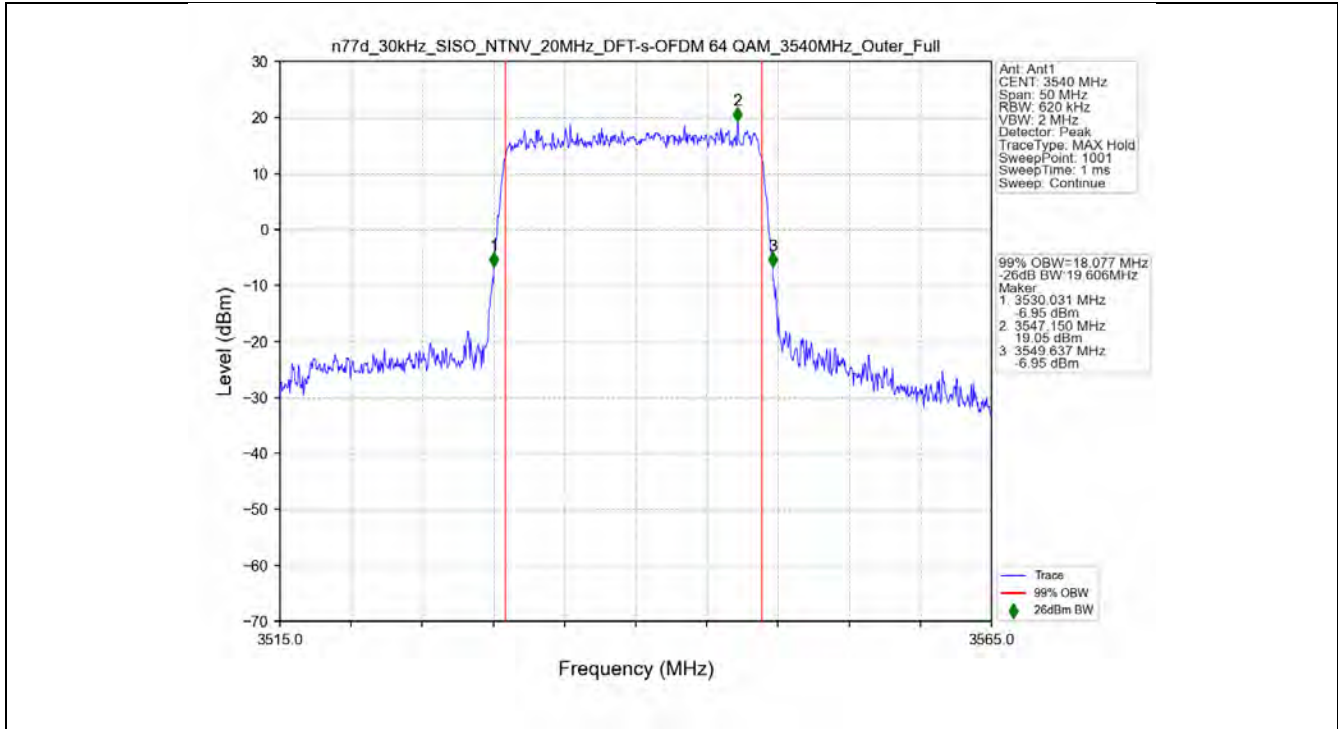


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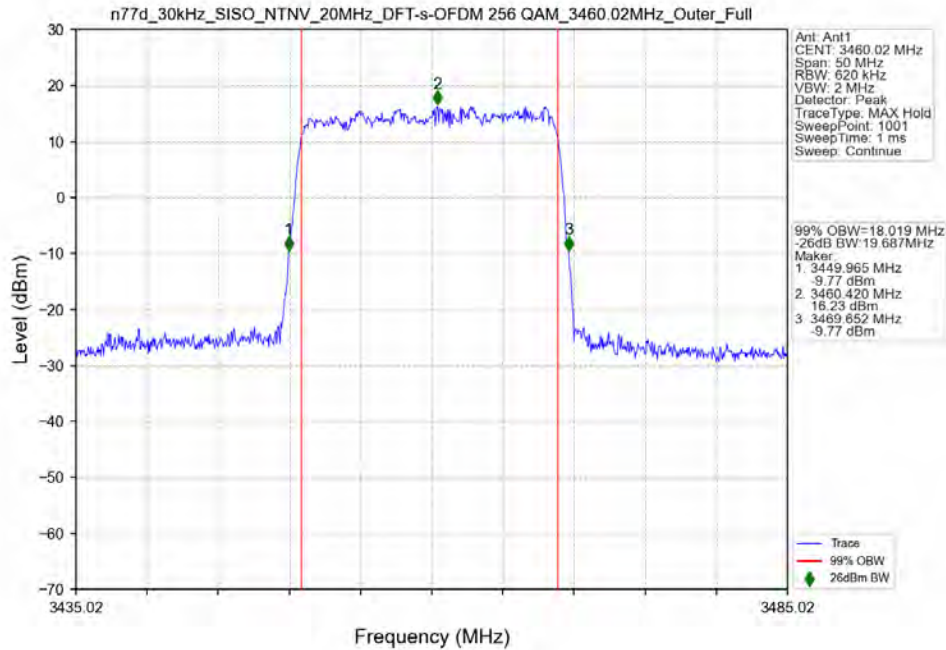
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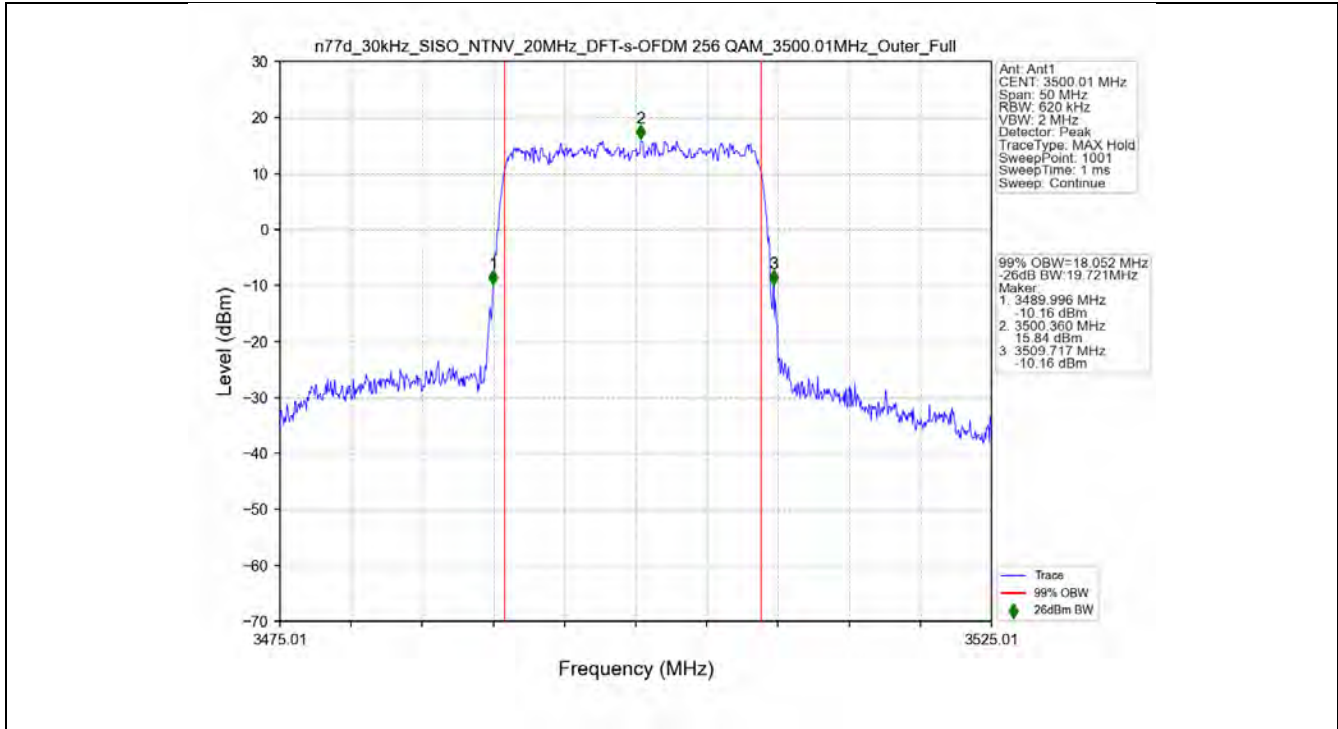


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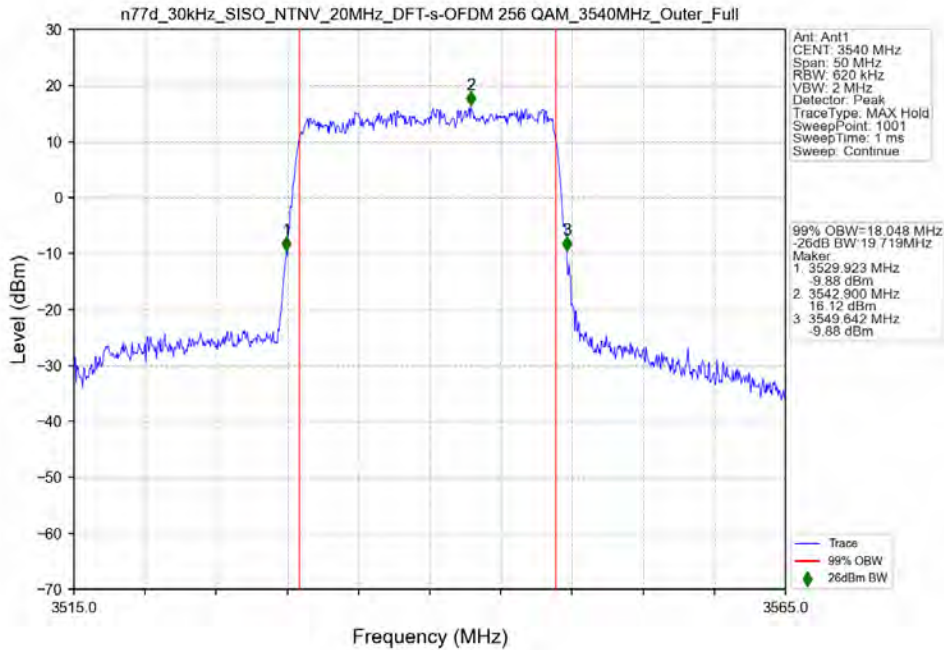
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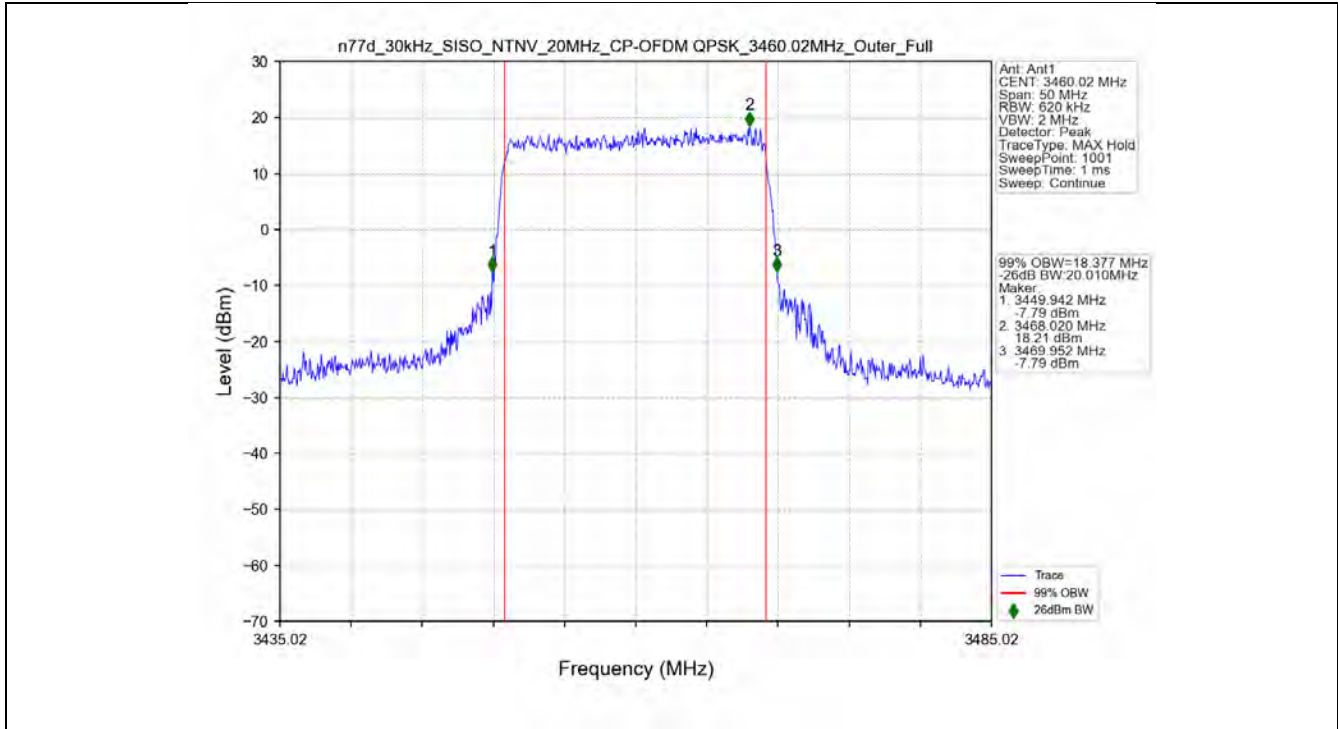


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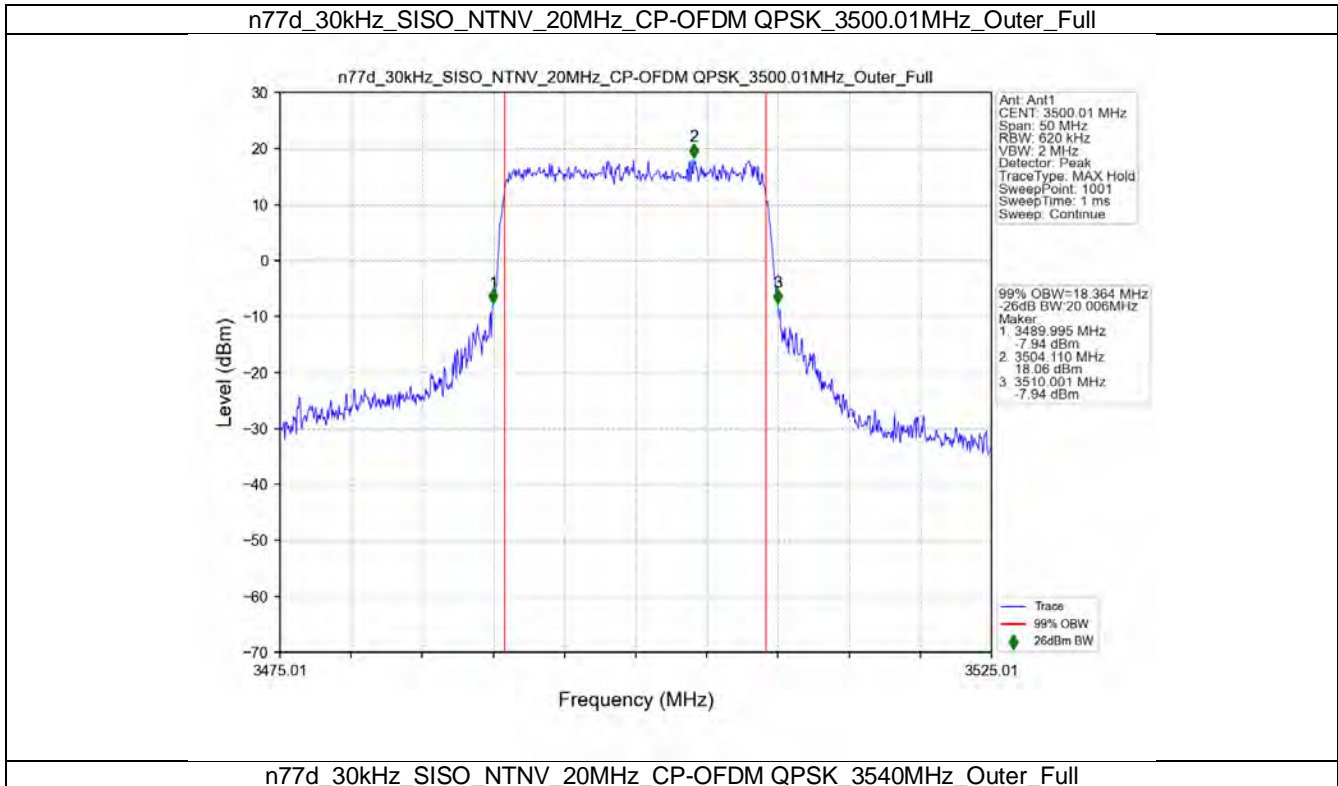


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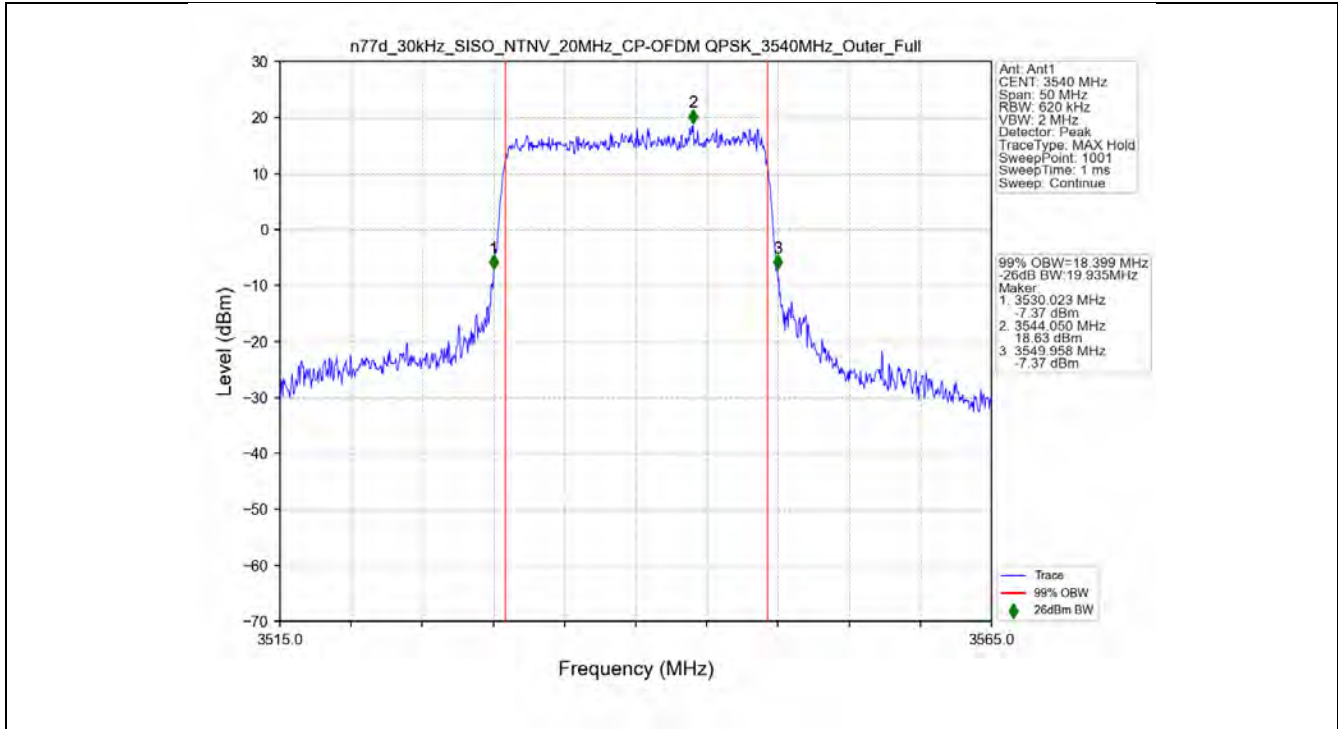


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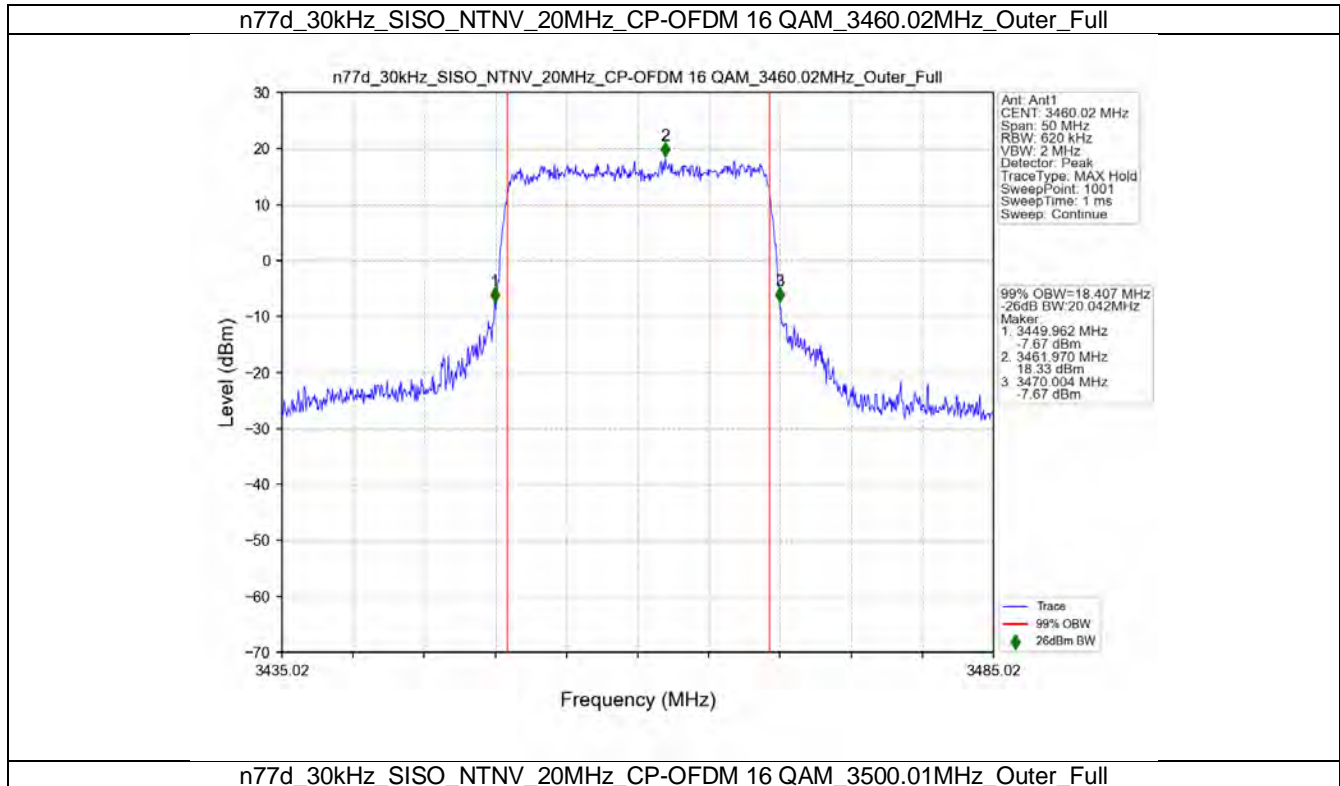


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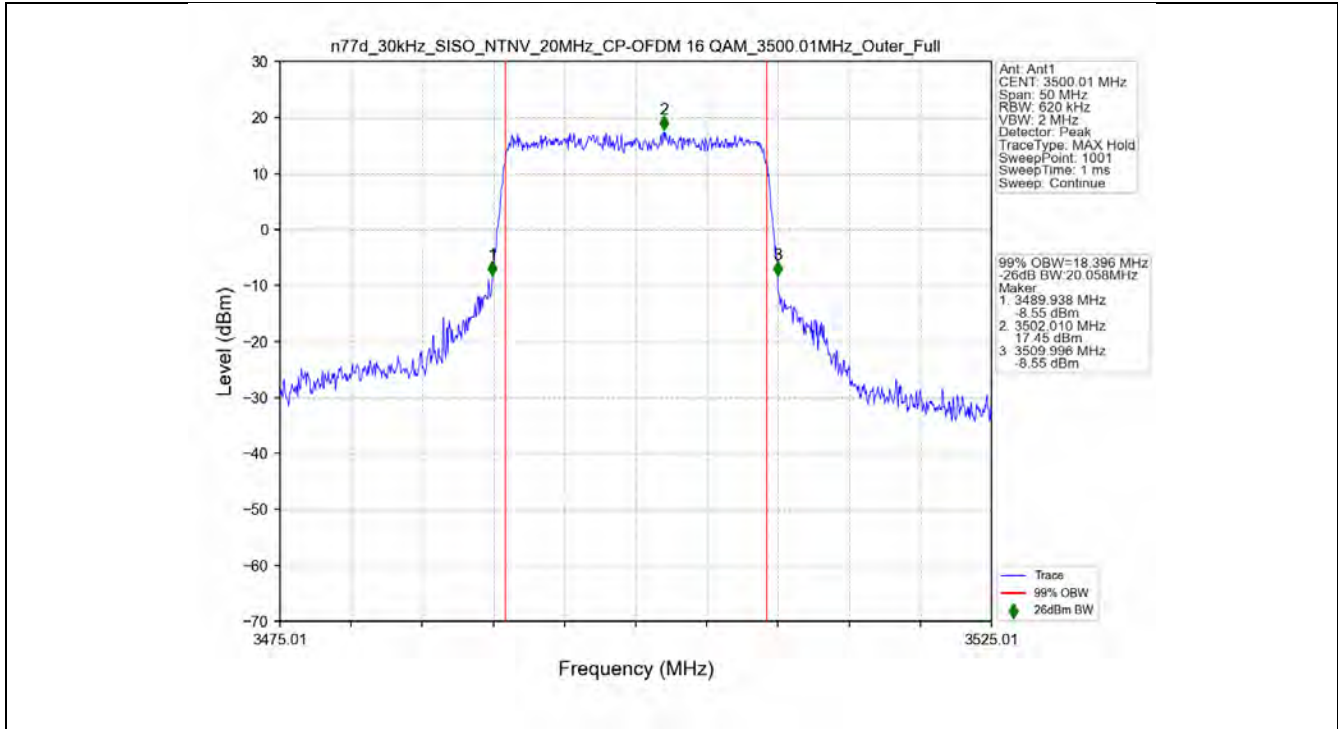


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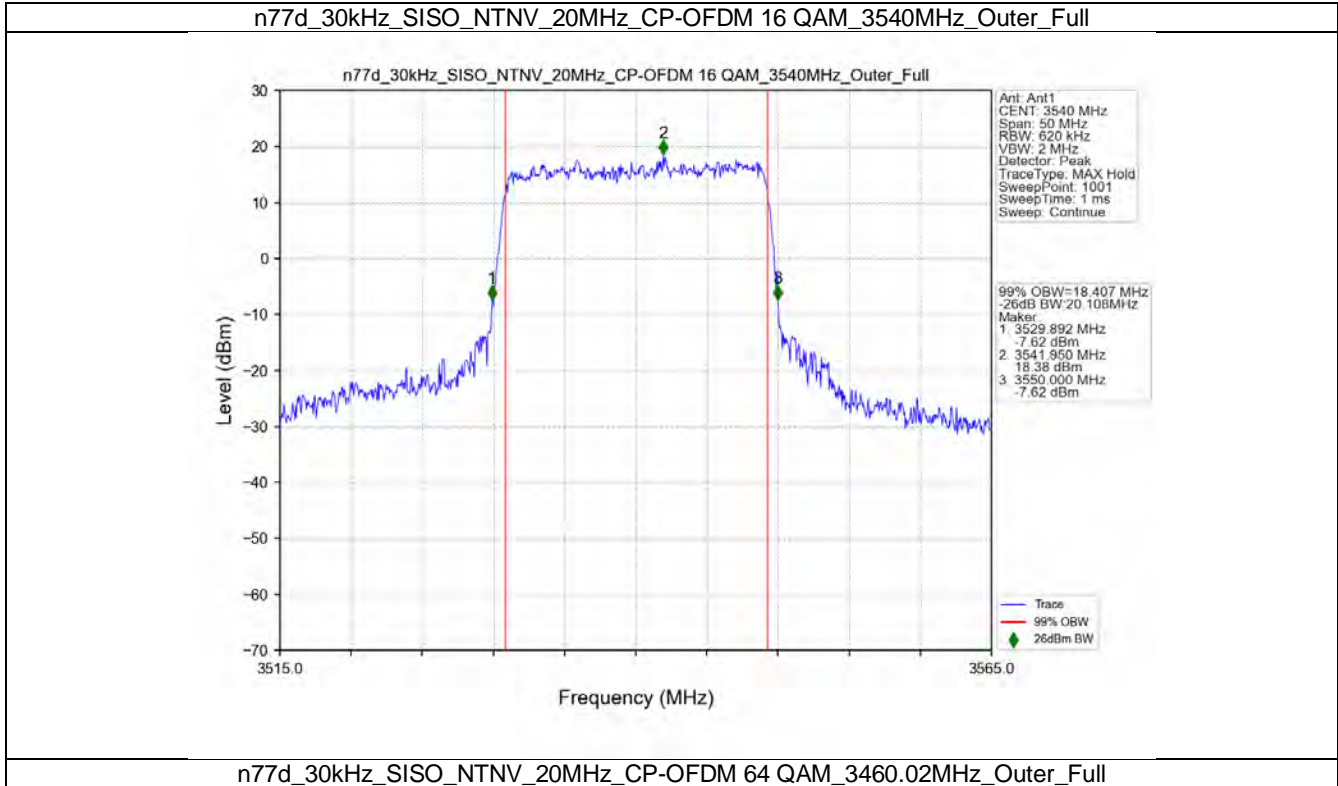


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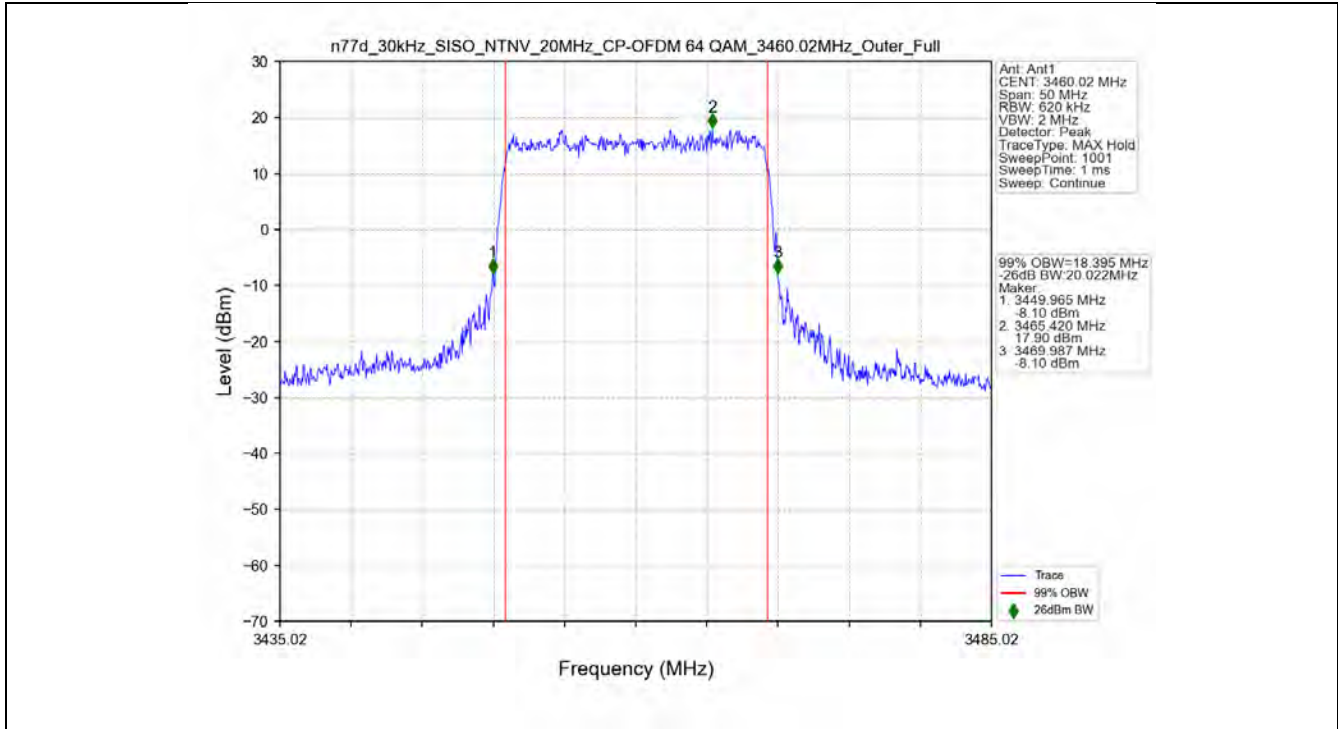


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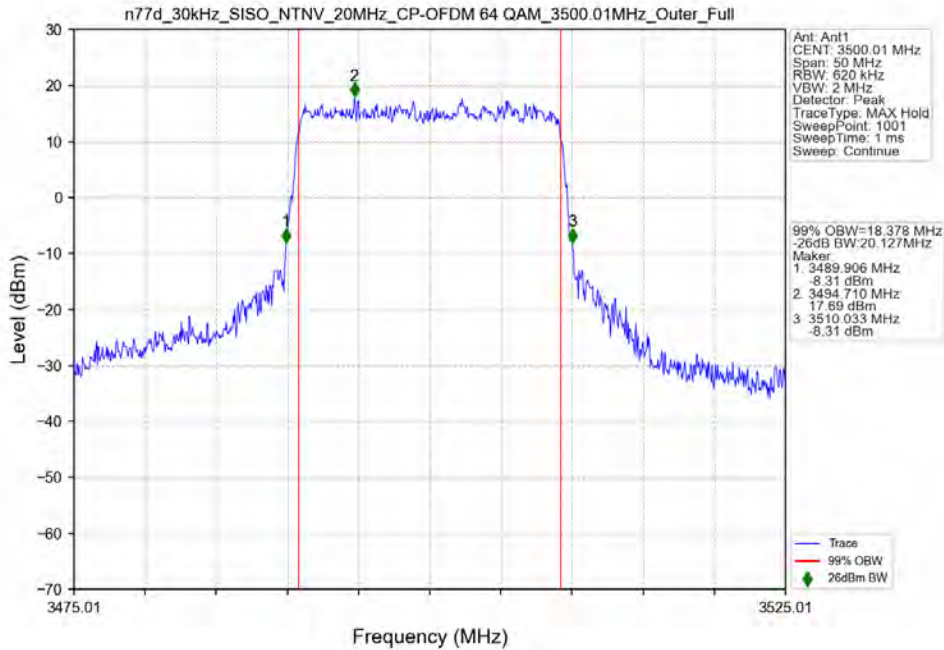
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n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full



n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3540MHz_Outer_Full



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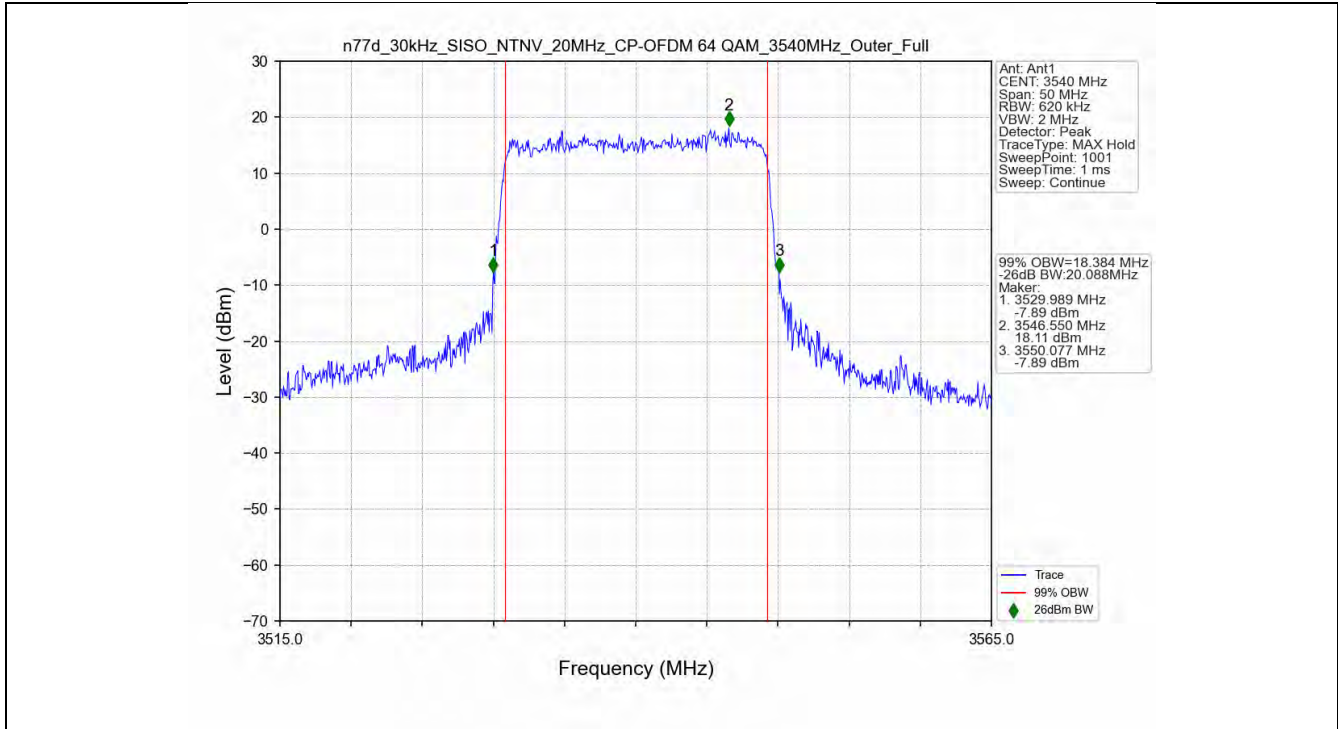


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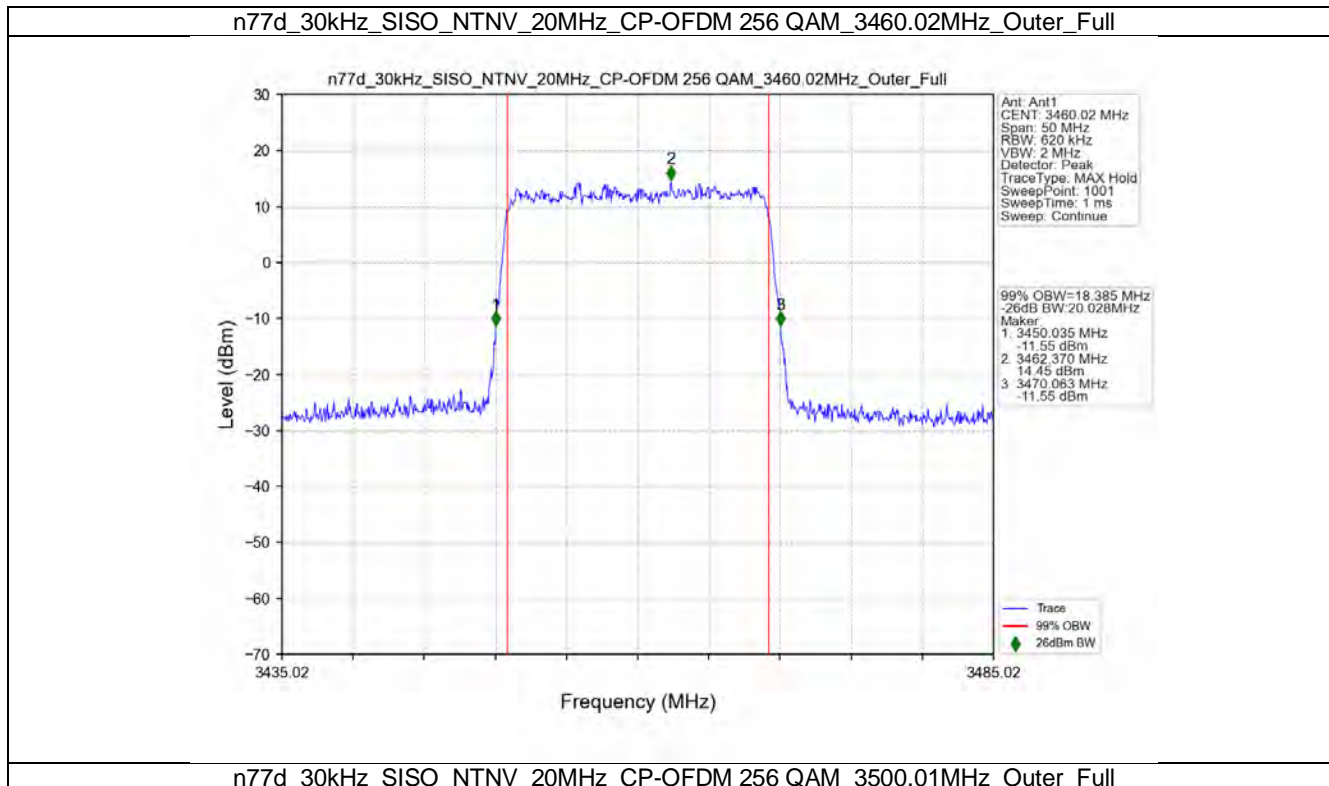
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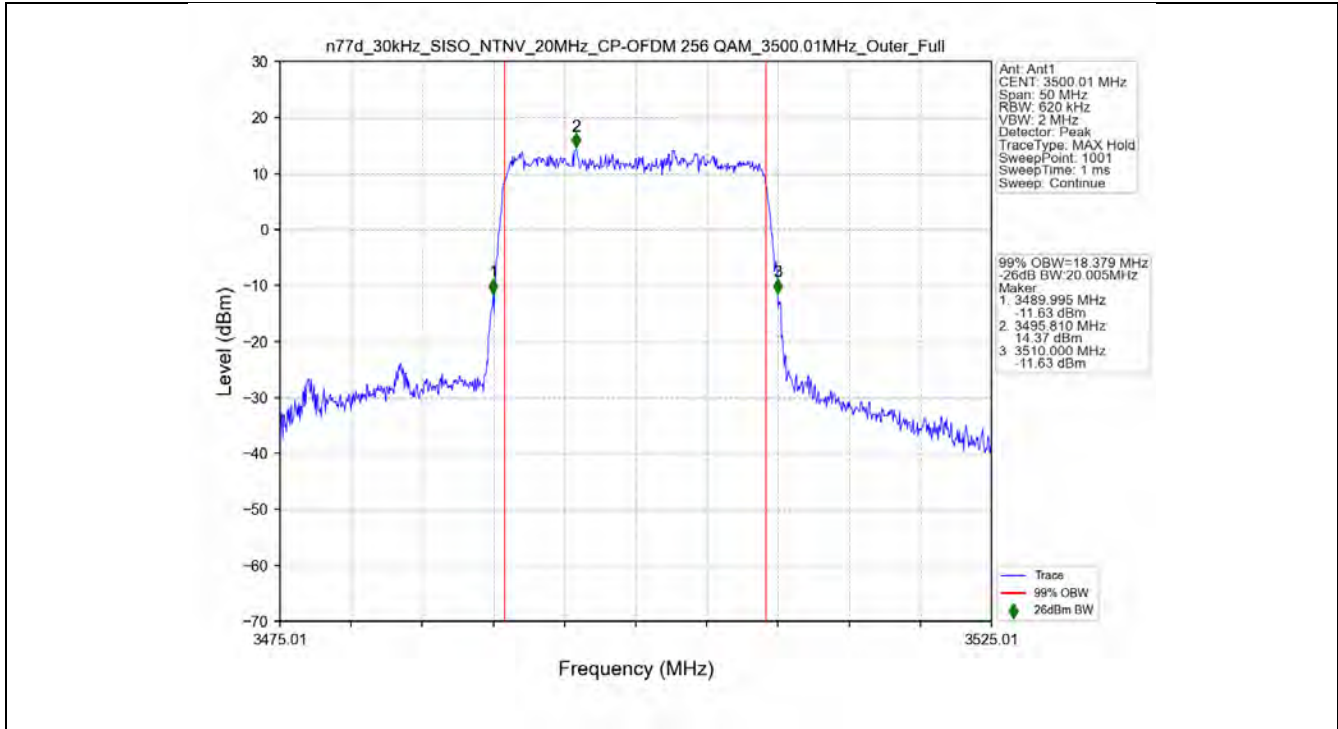


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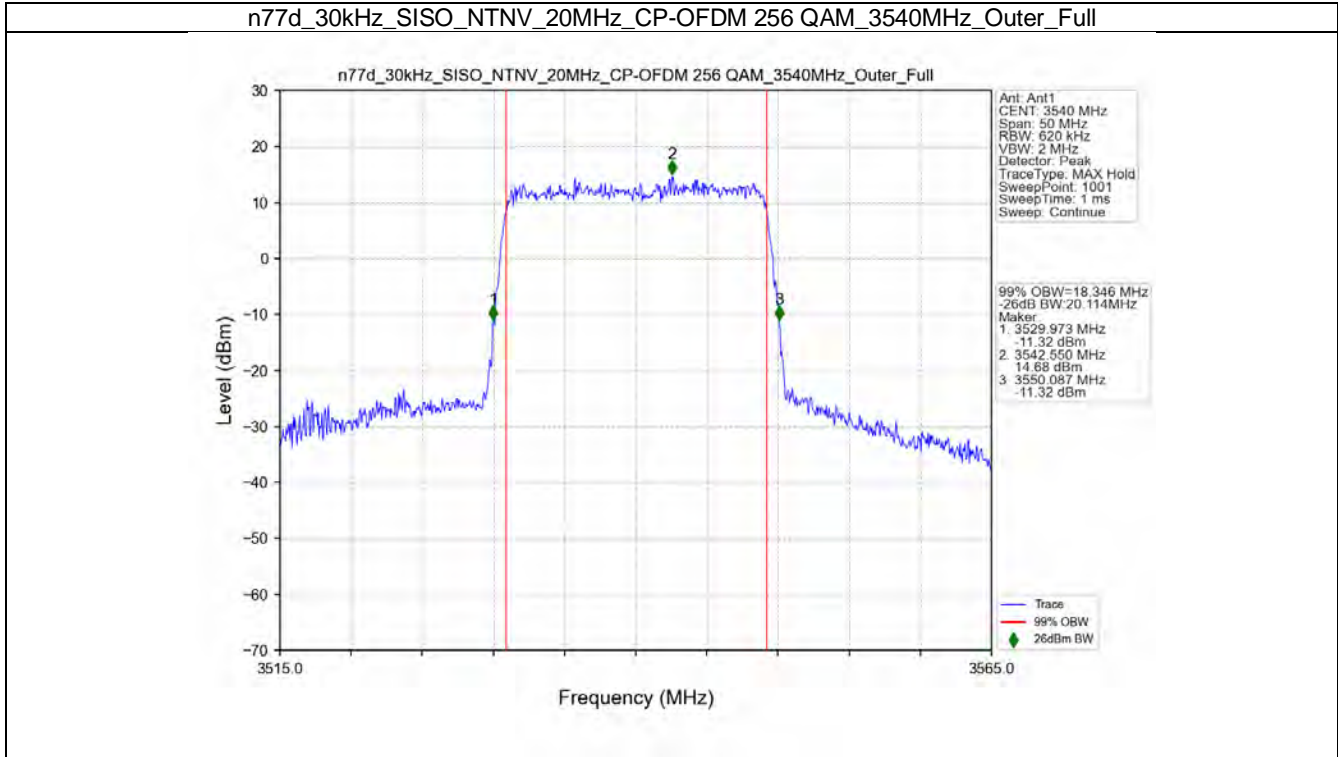


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3.2 30k_SISO_30MHz_NTNV

3.2.1 Test Result

5G NR n77d SCS=30kHz SISO 30MHz NNTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3465	Outer_Full	27.21	28.97	/	Pass
	3500.01	Outer_Full	27.11	29.23	/	Pass
	3534.99	Outer_Full	27.16	28.98	/	Pass
DFT-s-OFDM QPSK	3465	Outer_Full	27.22	29.06	/	Pass
	3500.01	Outer_Full	27.16	29.16	/	Pass
	3534.99	Outer_Full	27.15	29.16	/	Pass
DFT-s-OFDM 16 QAM	3465	Outer_Full	27.18	29.20	/	Pass
	3500.01	Outer_Full	27.18	29.18	/	Pass
	3534.99	Outer_Full	27.22	28.97	/	Pass
DFT-s-OFDM 64 QAM	3465	Outer_Full	27.16	29.21	/	Pass
	3500.01	Outer_Full	27.16	29.24	/	Pass
	3534.99	Outer_Full	27.16	29.31	/	Pass
DFT-s-OFDM 256 QAM	3465	Outer_Full	27.19	29.16	/	Pass
	3500.01	Outer_Full	27.20	29.20	/	Pass
	3534.99	Outer_Full	27.21	29.13	/	Pass
CP-OFDM QPSK	3465	Outer_Full	28.05	30.25	/	Pass
	3500.01	Outer_Full	28.12	30.21	/	Pass
	3534.99	Outer_Full	28.09	30.35	/	Pass
CP-OFDM 16 QAM	3465	Outer_Full	28.16	30.27	/	Pass
	3500.01	Outer_Full	28.12	30.31	/	Pass
	3534.99	Outer_Full	28.14	30.24	/	Pass
CP-OFDM 64 QAM	3465	Outer_Full	28.11	30.11	/	Pass
	3500.01	Outer_Full	28.09	30.20	/	Pass
	3534.99	Outer_Full	28.13	30.32	/	Pass
CP-OFDM 256 QAM	3465	Outer_Full	28.10	30.17	/	Pass
	3500.01	Outer_Full	28.00	29.54	/	Pass
	3534.99	Outer_Full	28.15	30.16	/	Pass



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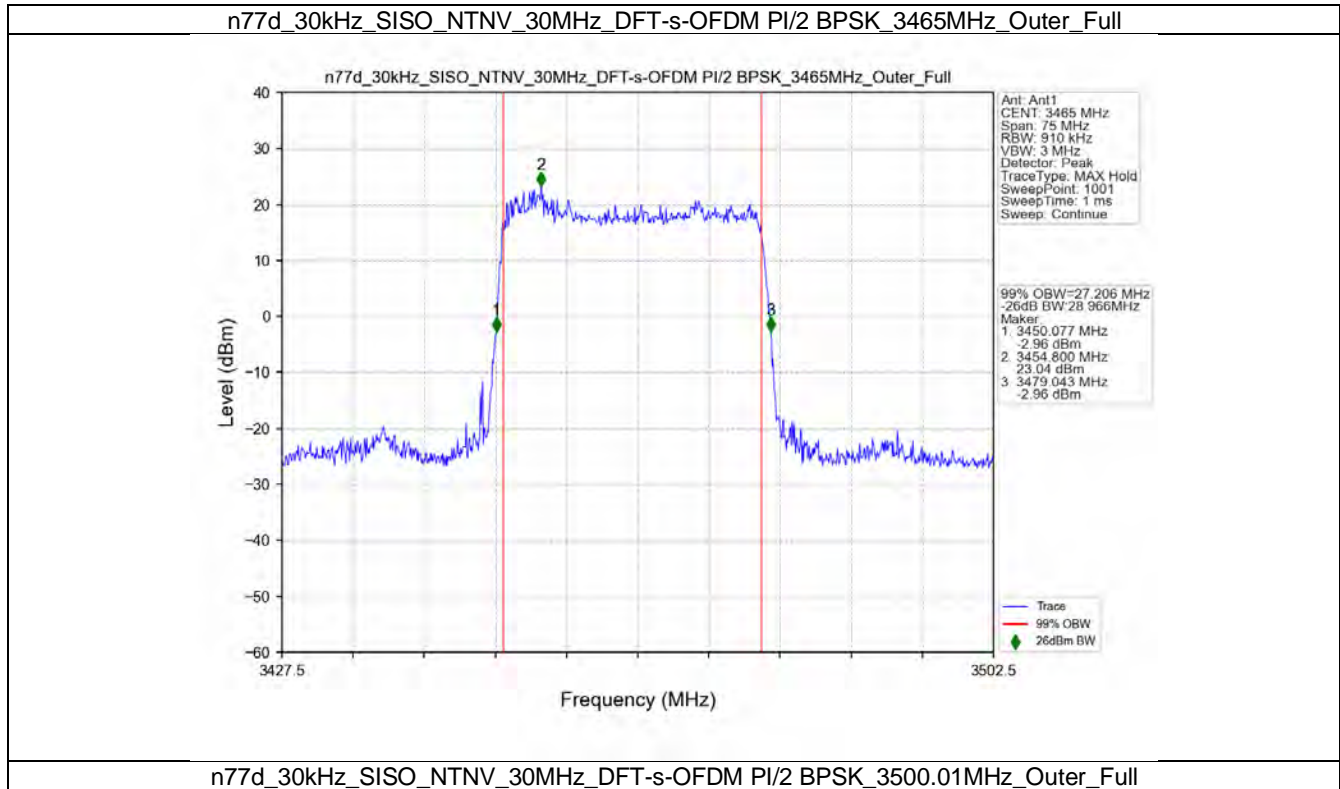
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3.2.2 Test Graph



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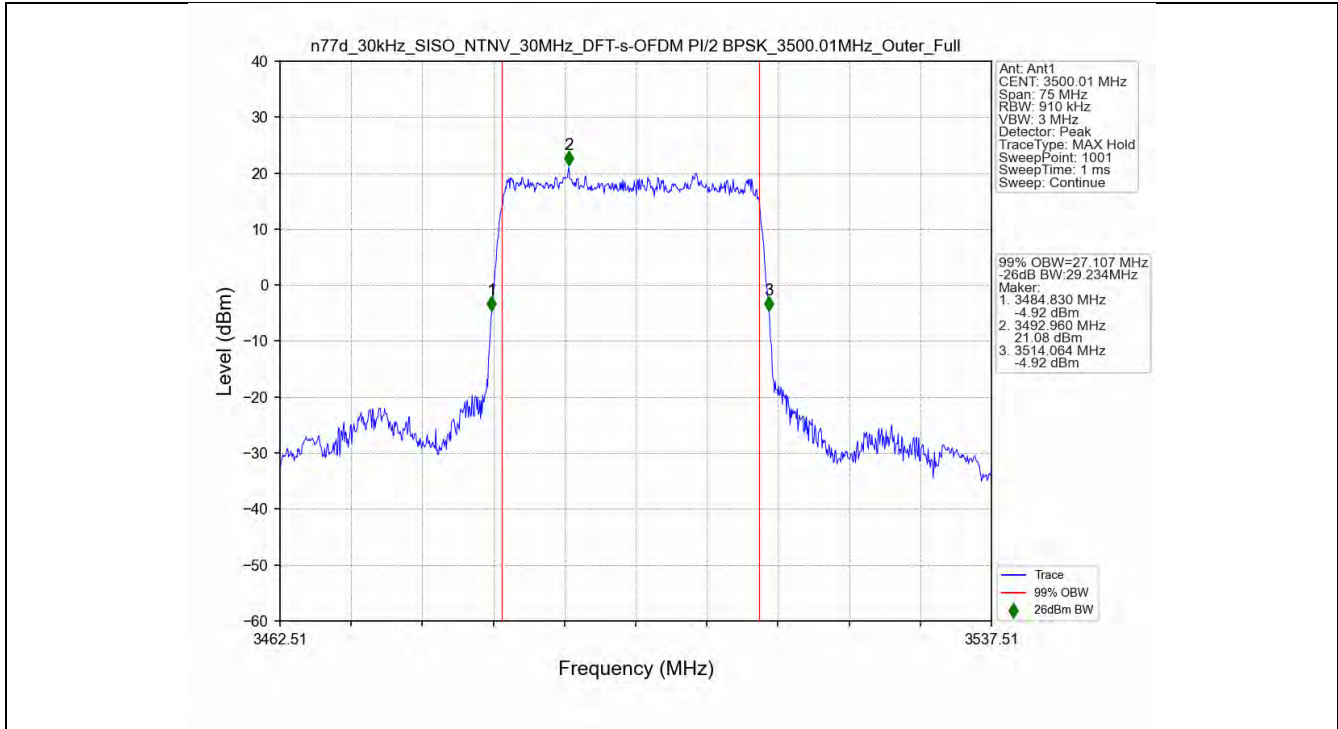


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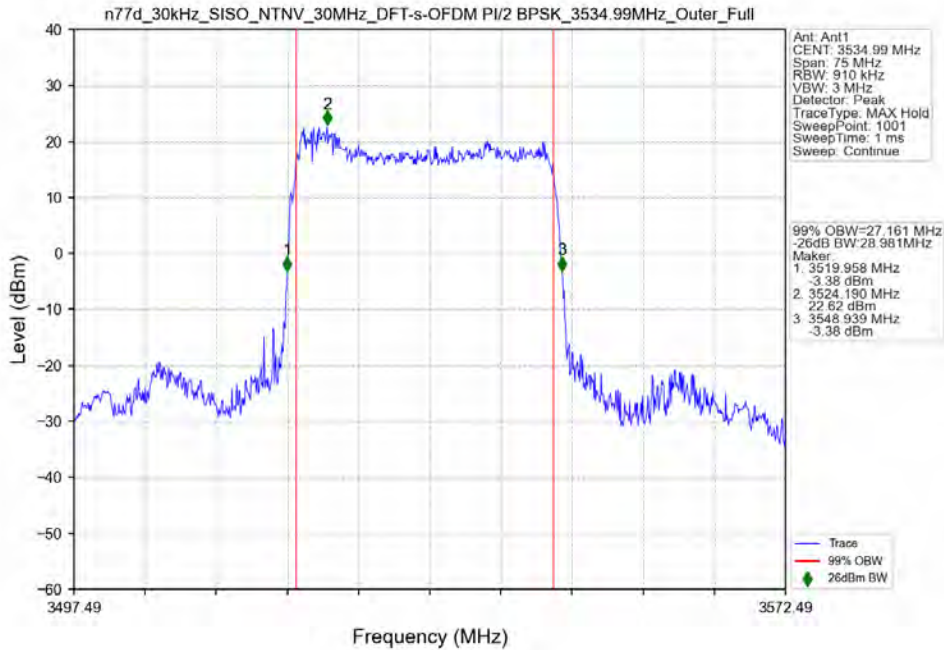
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n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3465MHz_Outer_Full



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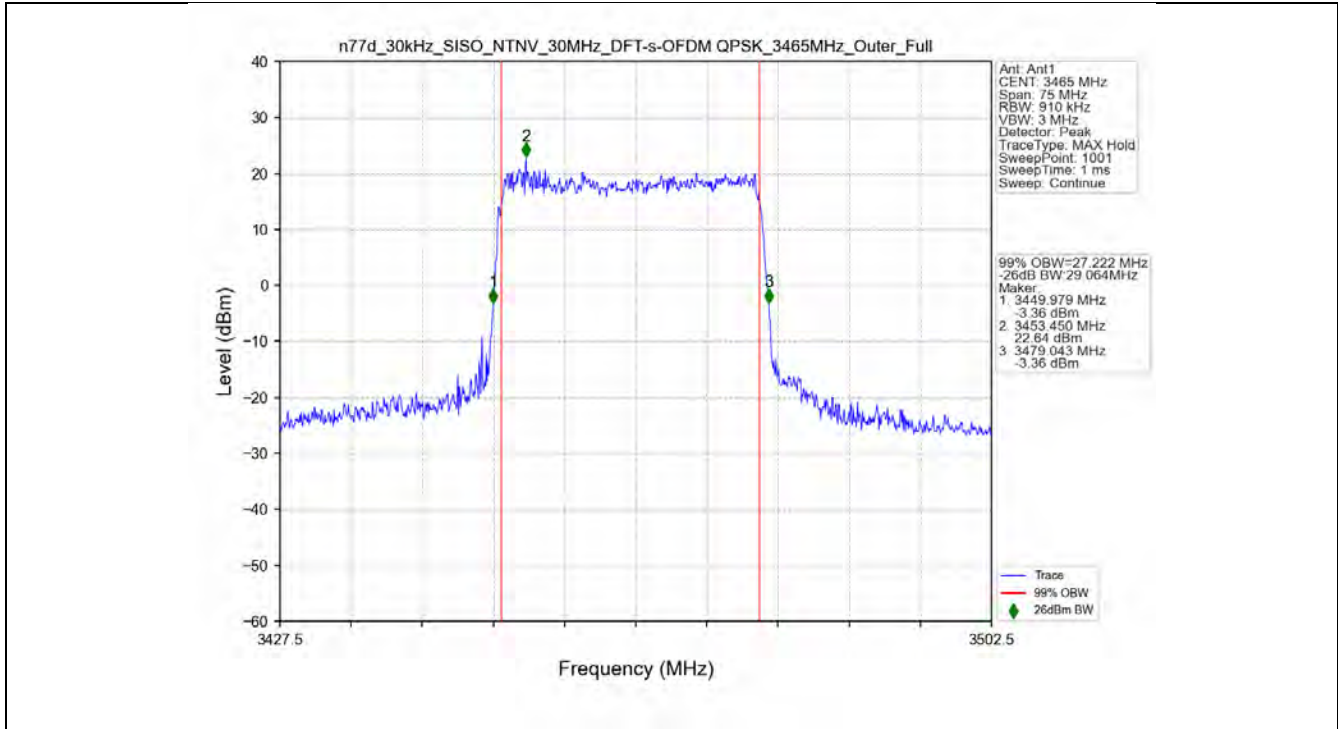


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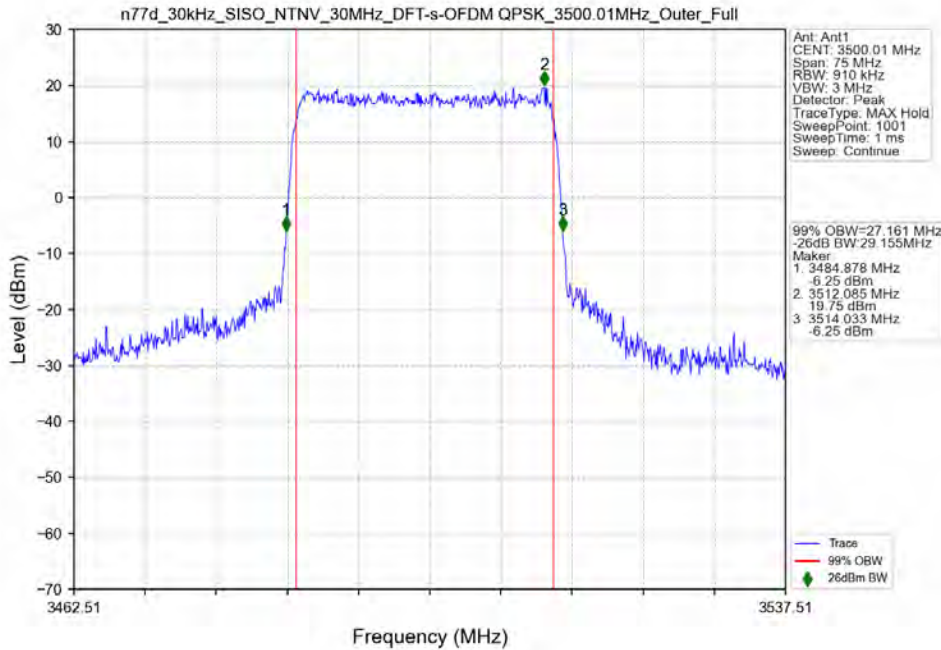
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n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3500.01MHz_Outer_Full



n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Outer_Full



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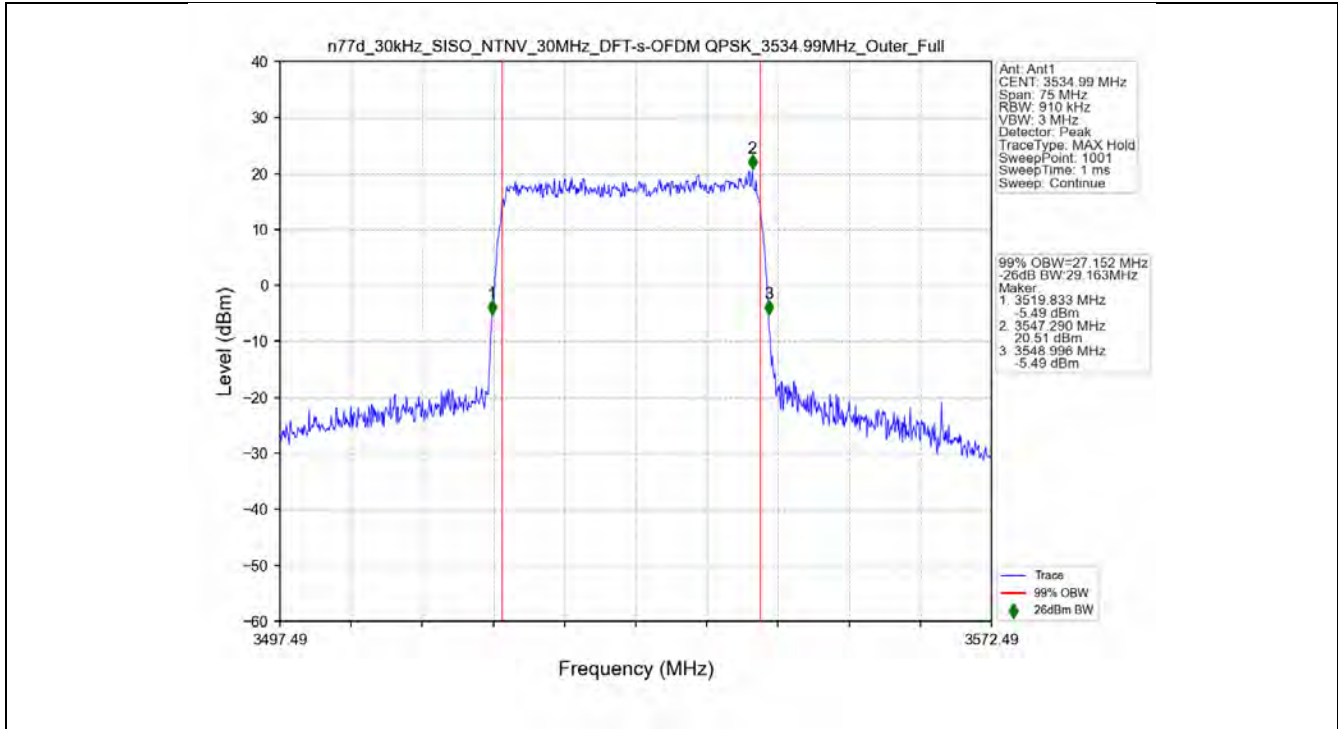


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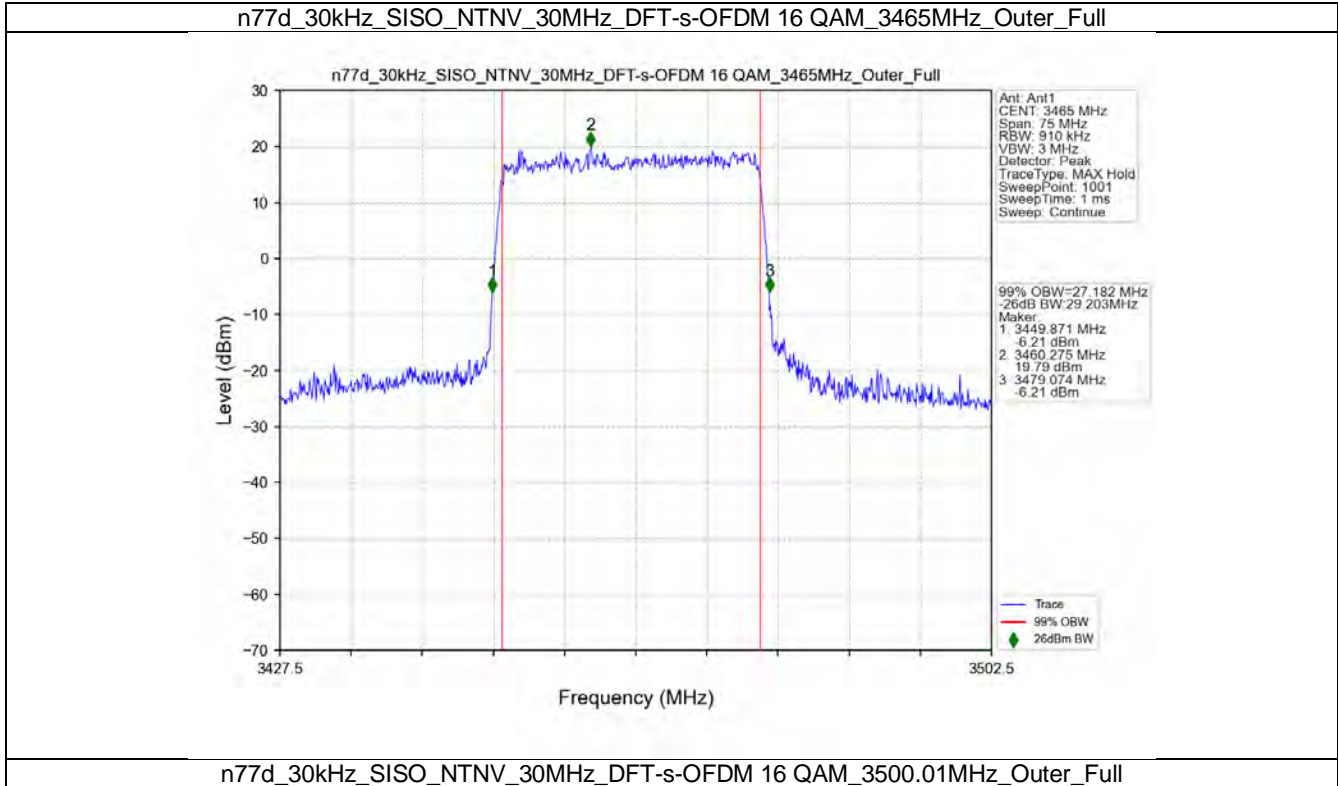


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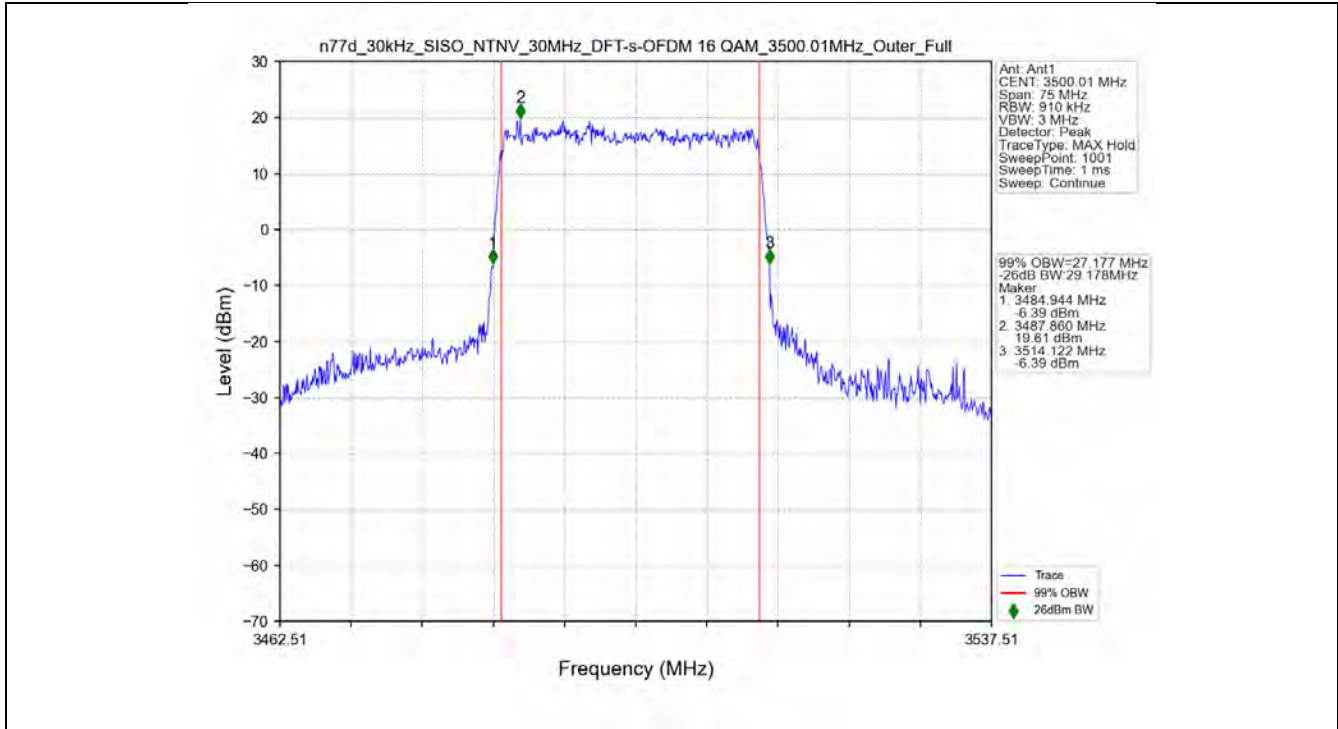


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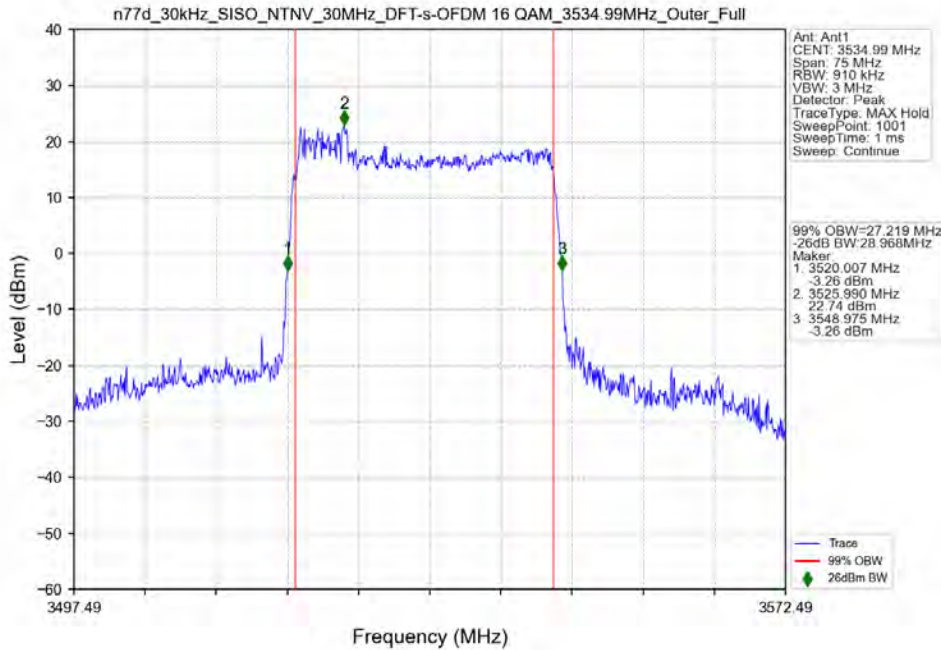
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n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3465MHz_Outer_Full



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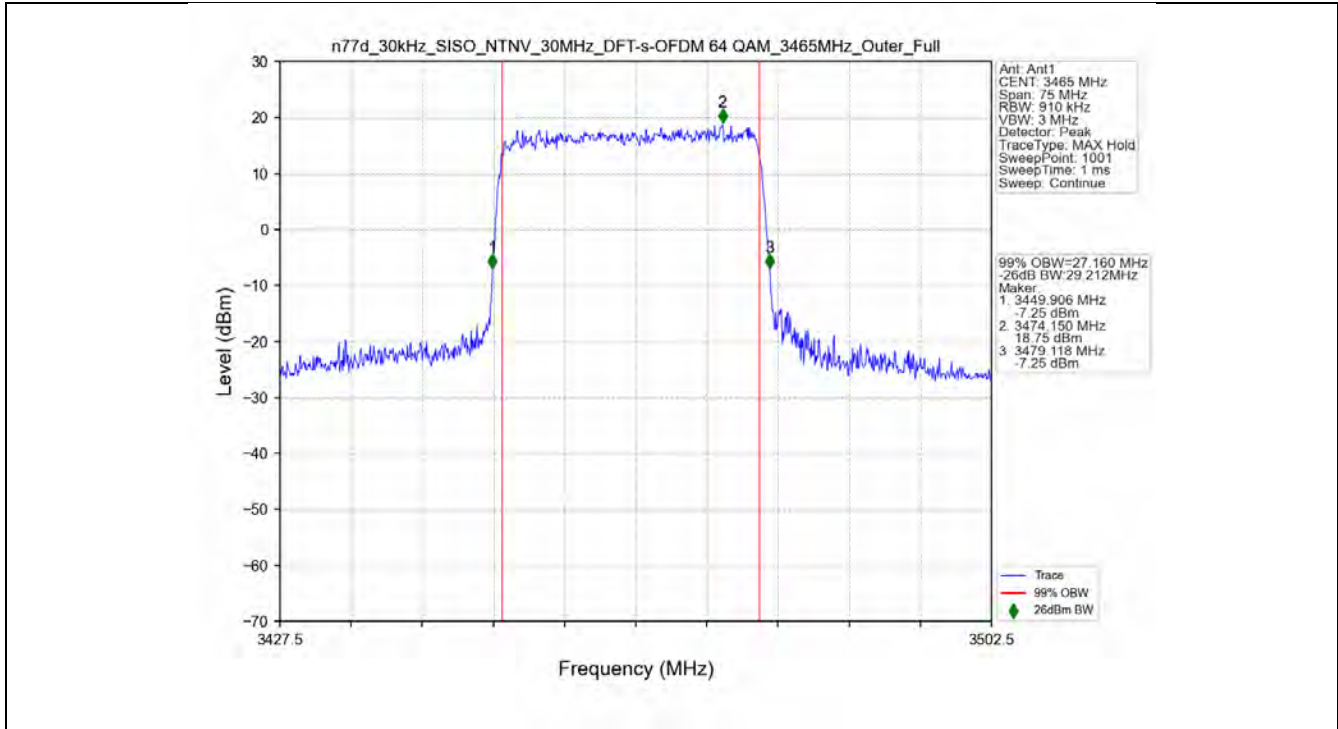


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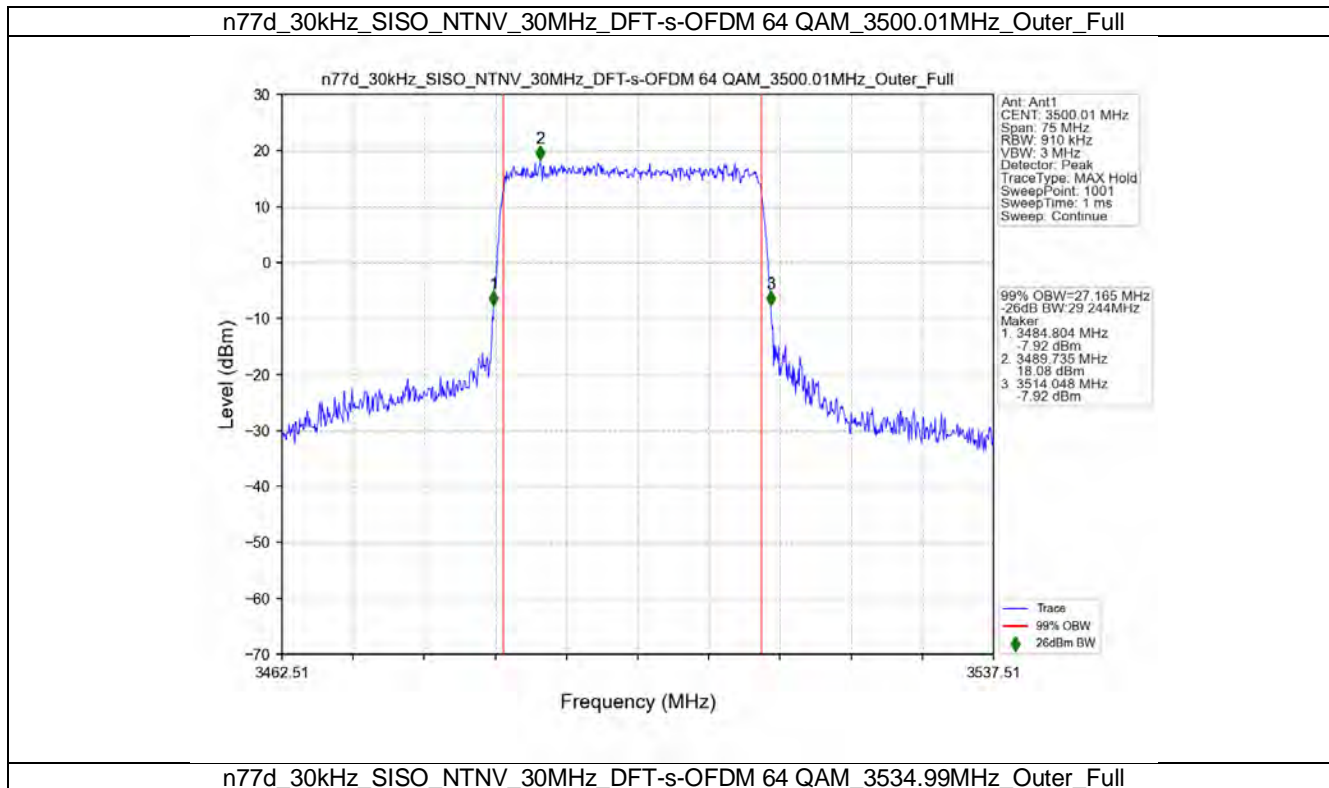
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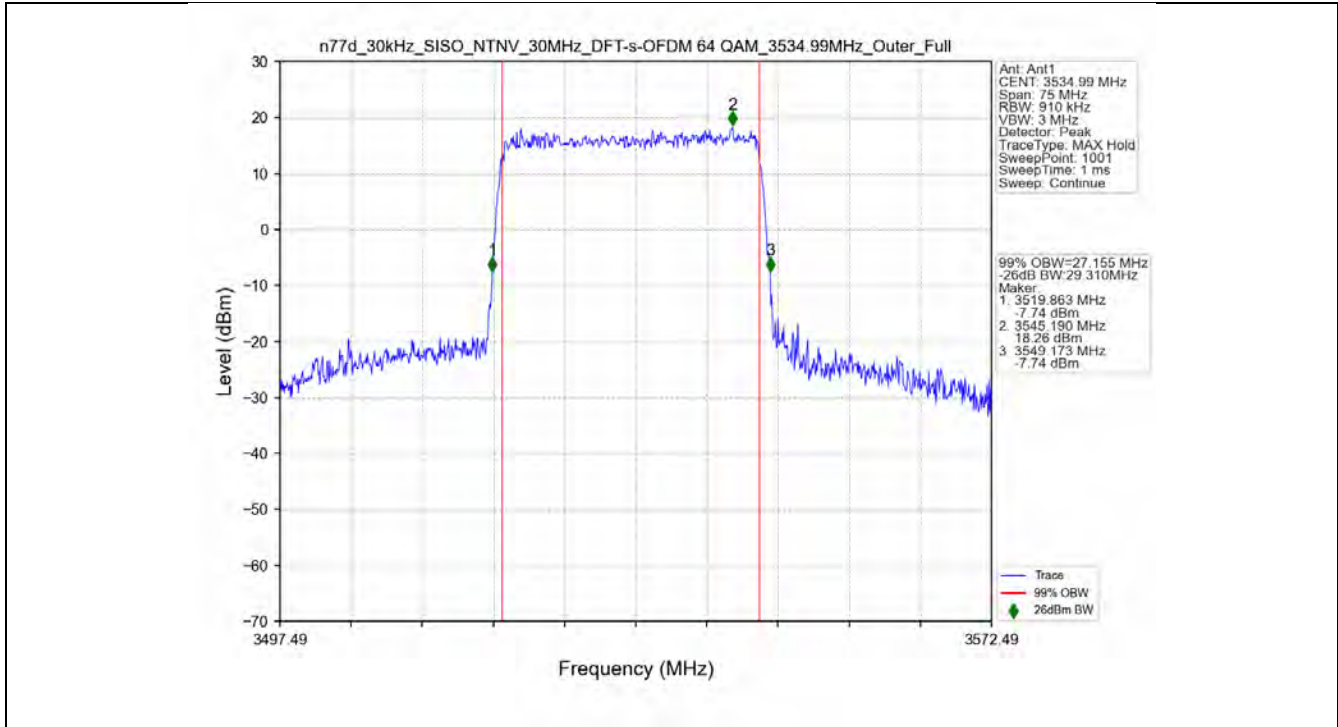


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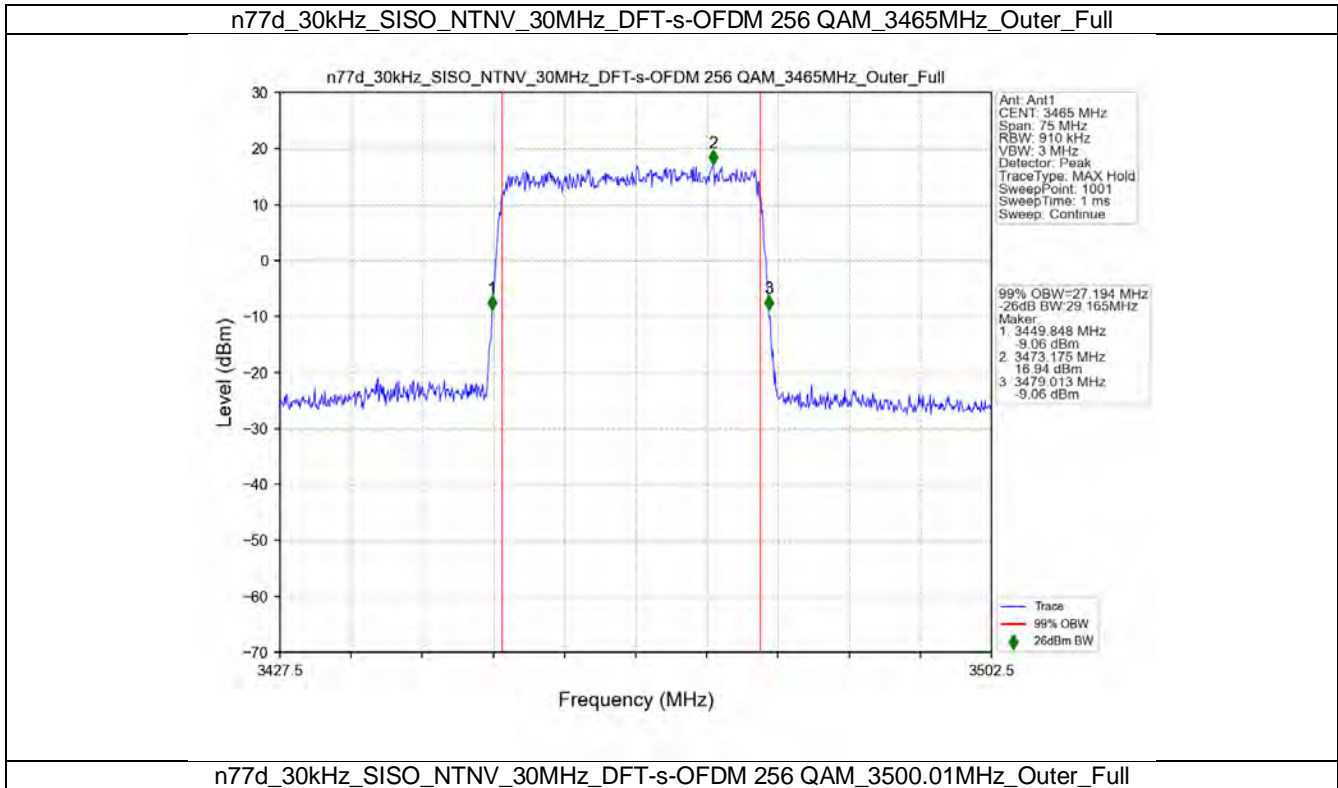


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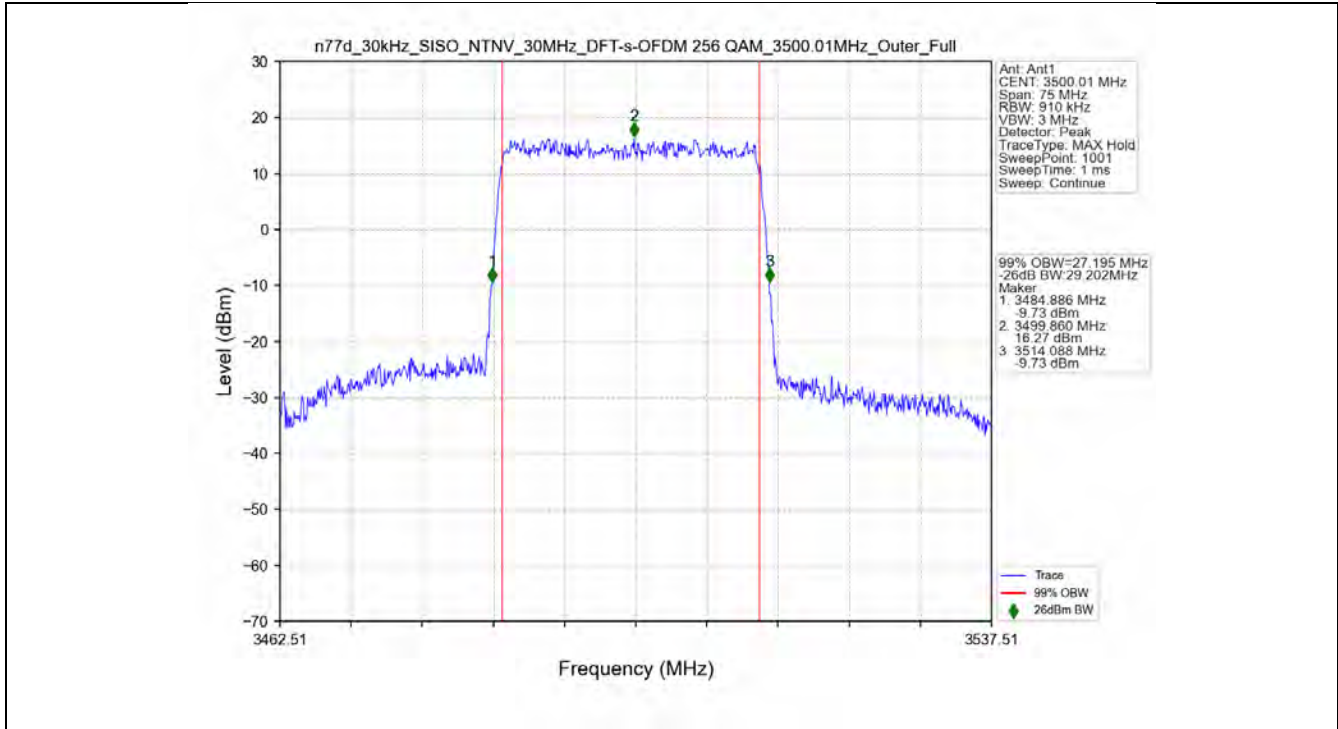


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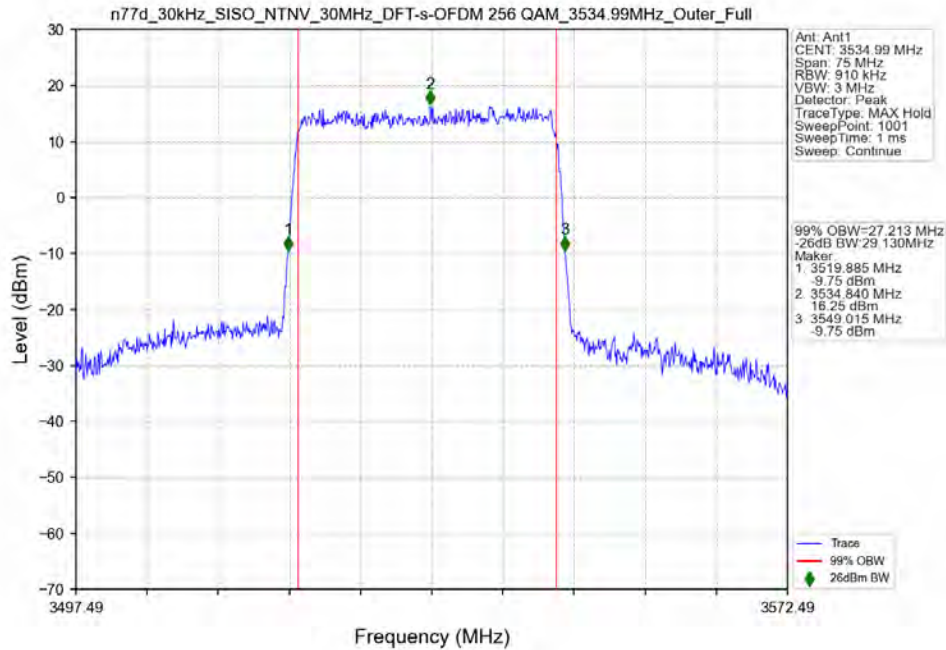
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n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3465MHz_Outer_Full



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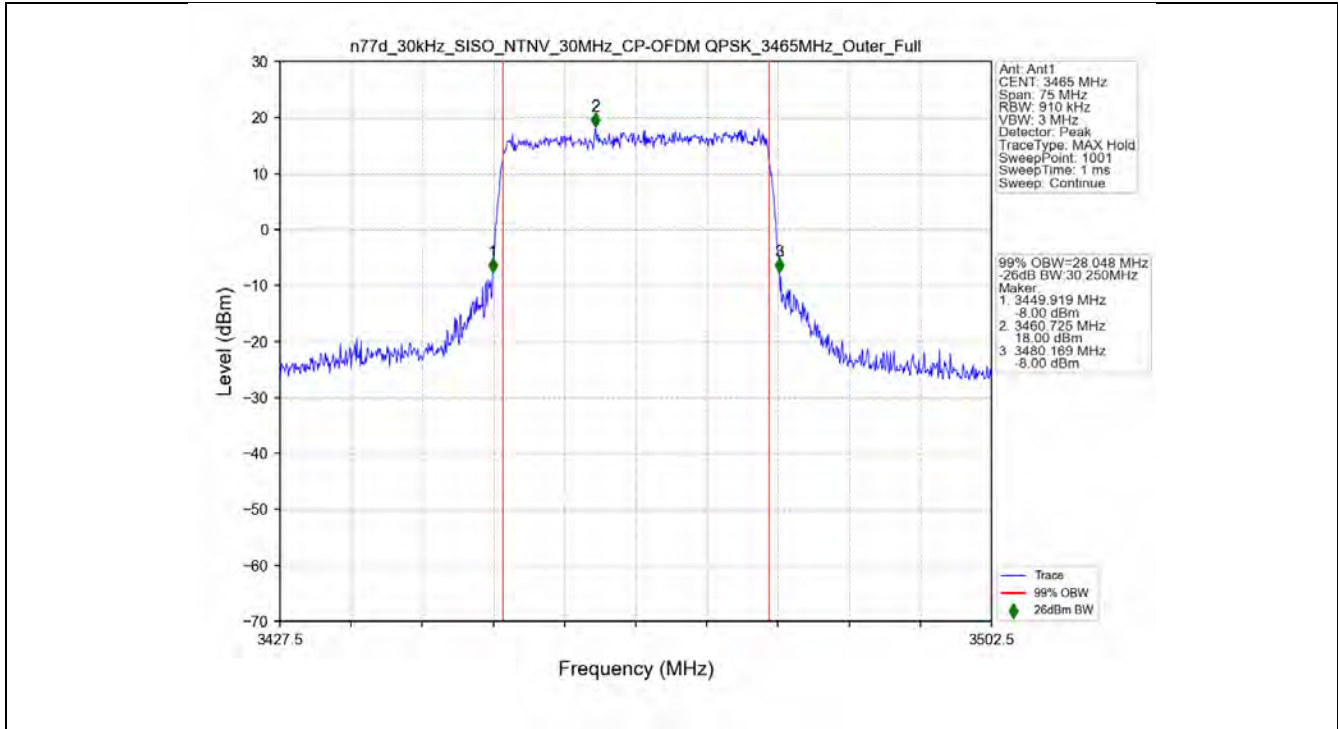


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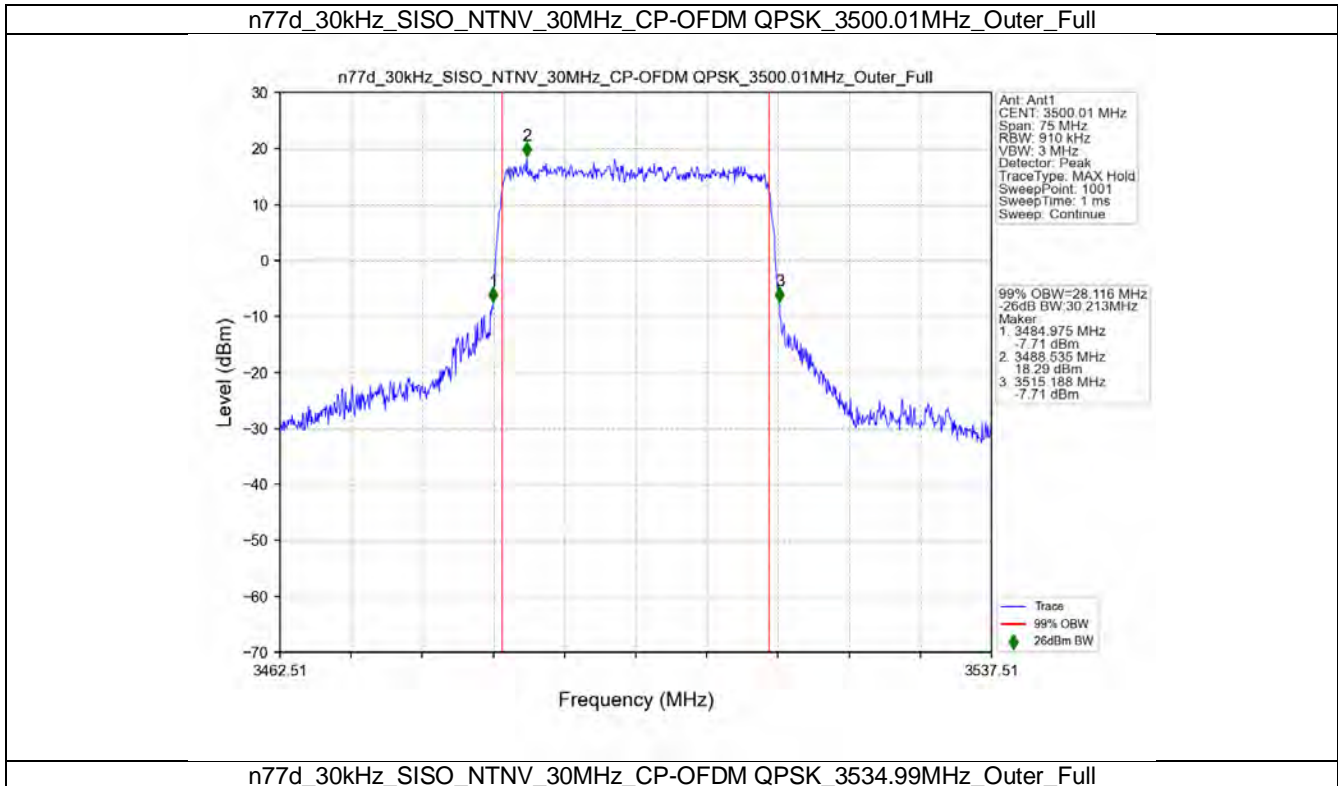


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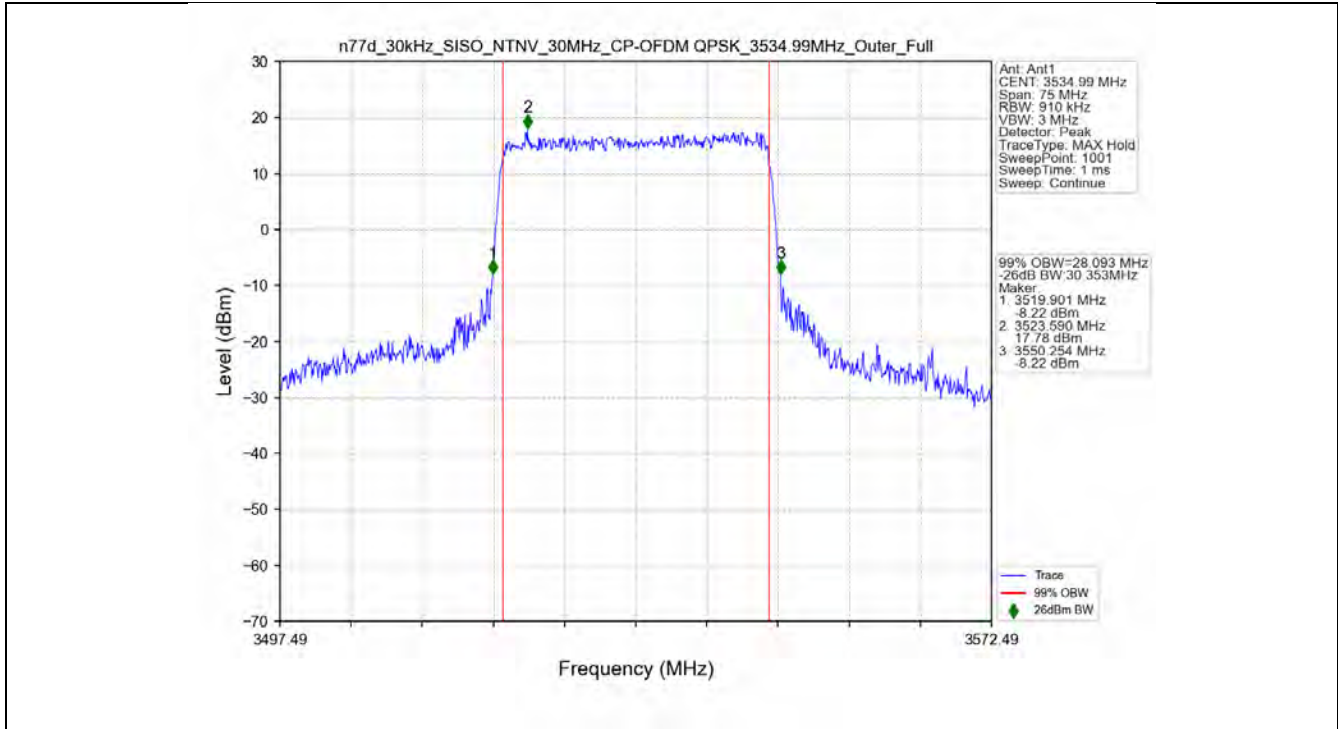


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