Appendix C.5

NR Band n41

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1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30k_MIMO_20MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 20MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2506.02	Edge_1RB_Left	19.91	19.76	22.85	27.65	27.50	30.59	<=33	Pass
		Edge_1RB_Right	19.57	19.67	22.63	27.31	27.41	30.37	<=33	Pass
		Outer_Full	18.32	18.32	21.33	26.06	26.06	29.07	<=33	Pass
		Inner_Full	21.82	21.85	24.85	29.56	29.59	32.59	<=33	Pass
		Inner_1RB_Left	21.71	21.77	24.75	29.45	29.51	32.49	<=33	Pass
		Inner_1RB_Right	21.63	21.69	24.67	29.37	29.43	32.41	<=33	Pass
	2592.99	Edge_1RB_Left	19.72	19.99	22.87	27.46	27.73	30.61	<=33	Pass
		Edge_1RB_Right	19.85	19.99	22.93	27.59	27.73	30.67	<=33	Pass
		Outer_Full	18.26	18.48	21.38	26.00	26.22	29.12	<=33	Pass
		Inner_Full	21.81	21.94	24.89	29.55	29.68	32.63	<=33	Pass
		Inner_1RB_Left	21.85	21.97	24.92	29.59	29.71	32.66	<=33	Pass
		Inner_1RB_Right	22.02	22.00	25.02	29.76	29.74	32.76	<=33	Pass
	2679.99	Edge_1RB_Left	19.97	20.07	23.03	27.71	27.81	30.77	<=33	Pass
		Edge_1RB_Right	19.78	19.90	22.85	27.52	27.64	30.59	<=33	Pass
		Outer_Full	18.38	18.38	21.39	26.12	26.12	29.13	<=33	Pass
		Inner_Full	21.80	21.83	24.83	29.54	29.57	32.57	<=33	Pass
		Inner_1RB_Left	21.88	21.93	24.91	29.62	29.67	32.66	<=33	Pass
		Inner_1RB_Right	21.83	21.78	24.81	29.57	29.52	32.56	<=33	Pass
CP-OFDM 16 QAM	2506.02	Edge_1RB_Left	19.77	19.88	22.83	27.51	27.62	30.58	<=33	Pass
		Edge_1RB_Right	19.71	19.68	22.71	27.45	27.42	30.45	<=33	Pass
		Outer_Full	18.23	18.32	21.28	25.97	26.06	29.03	<=33	Pass
		Inner_Full	21.26	21.20	24.24	29.00	28.94	31.98	<=33	Pass
		Inner_1RB_Left	21.24	21.29	24.28	28.98	29.03	32.02	<=33	Pass
		Inner_1RB_Right	21.10	21.25	24.19	28.84	28.99	31.93	<=33	Pass
	2592.99	Edge_1RB_Left	19.76	19.94	22.86	27.50	27.68	30.60	<=33	Pass
		Edge_1RB_Right	19.93	19.89	22.92	27.67	27.63	30.66	<=33	Pass
		Outer_Full	18.46	18.56	21.52	26.20	26.30	29.26	<=33	Pass
		Inner_Full	21.41	21.53	24.48	29.15	29.27	32.22	<=33	Pass
		Inner_1RB_Left	21.31	21.55	24.44	29.05	29.29	32.18	<=33	Pass

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		Inner_1RB_Right	21.52	21.47	24.51	29.26	29.21	32.25	<=33	Pass
	2679.99	Edge_1RB_Left	20.02	19.91	22.98	27.76	27.65	30.72	<=33	Pass
		Edge_1RB_Right	19.72	19.66	22.70	27.46	27.40	30.44	<=33	Pass
		Outer_Full	18.40	18.36	21.39	26.14	26.10	29.13	<=33	Pass
		Inner_Full	21.35	21.30	24.34	29.09	29.04	32.08	<=33	Pass
		Inner_1RB_Left	21.62	21.34	24.49	29.36	29.08	32.23	<=33	Pass
		Inner_1RB_Right	21.51	21.23	24.39	29.25	28.97	32.12	<=33	Pass
CP-OFDM 64 QAM	2506.02	Edge_1RB_Left	19.95	19.93	22.95	27.69	27.67	30.69	<=33	Pass
		Edge_1RB_Right	19.65	19.71	22.69	27.39	27.45	30.43	<=33	Pass
		Outer_Full	17.73	17.81	20.78	25.47	25.55	28.52	<=33	Pass
		Inner_Full	19.76	19.84	22.81	27.50	27.58	30.55	<=33	Pass
		Inner_1RB_Left	19.85	19.86	22.87	27.59	27.60	30.61	<=33	Pass
		Inner_1RB_Right	19.79	19.67	22.74	27.53	27.41	30.48	<=33	Pass
	2592.99	Edge_1RB_Left	19.74	20.06	22.91	27.48	27.80	30.65	<=33	Pass
		Edge_1RB_Right	19.92	19.96	22.95	27.66	27.70	30.69	<=33	Pass
		Outer_Full	17.91	17.99	20.96	25.65	25.73	28.70	<=33	Pass
		Inner_Full	19.87	20.00	22.94	27.61	27.74	30.69	<=33	Pass
		Inner_1RB_Left	19.79	20.07	22.94	27.53	27.81	30.68	<=33	Pass
		Inner_1RB_Right	19.87	19.97	22.93	27.61	27.71	30.67	<=33	Pass
	2679.99	Edge_1RB_Left	19.79	20.00	22.91	27.53	27.74	30.65	<=33	Pass
		Edge_1RB_Right	19.72	19.75	22.75	27.46	27.49	30.49	<=33	Pass
		Outer_Full	17.85	17.85	20.86	25.59	25.59	28.60	<=33	Pass
		Inner_Full	19.84	19.93	22.89	27.58	27.67	30.64	<=33	Pass
		Inner_1RB_Left	19.93	19.77	22.86	27.67	27.51	30.60	<=33	Pass
		Inner_1RB_Right	19.86	19.85	22.86	27.60	27.59	30.61	<=33	Pass
CP-OFDM 256 QAM	2506.02	Edge_1RB_Left	16.63	16.85	19.75	24.37	24.59	27.49	<=33	Pass
		Edge_1RB_Right	16.66	16.75	19.72	24.40	24.49	27.46	<=33	Pass
		Outer_Full	14.56	14.35	17.47	22.30	22.09	25.21	<=33	Pass
		Inner_Full	16.82	16.88	19.86	24.56	24.62	27.60	<=33	Pass
		Inner_1RB_Left	16.85	16.90	19.89	24.59	24.64	27.63	<=33	Pass
		Inner_1RB_Right	16.68	16.79	19.75	24.42	24.53	27.49	<=33	Pass
	2592.99	Edge_1RB_Left	16.82	16.96	19.90	24.56	24.70	27.64	<=33	Pass
		Edge_1RB_Right	17.05	16.86	19.96	24.79	24.60	27.71	<=33	Pass
		Outer_Full	14.21	14.07	17.15	21.95	21.81	24.89	<=33	Pass
		Inner_Full	16.93	17.03	19.99	24.67	24.77	27.73	<=33	Pass
		Inner_1RB_Left	16.67	17.10	19.90	24.41	24.84	27.64	<=33	Pass
		Inner_1RB_Right	16.84	16.99	19.92	24.58	24.73	27.67	<=33	Pass
	2679.99	Edge_1RB_Left	17.04	16.85	19.96	24.78	24.59	27.70	<=33	Pass

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		Edge_1RB_Right	16.77	16.79	19.79	24.51	24.53	27.53	<=33	Pass
		Outer_Full	14.11	13.85	16.99	21.85	21.59	24.73	<=33	Pass
		Inner_Full	16.86	16.82	19.85	24.60	24.56	27.59	<=33	Pass
		Inner_1RB_Left	16.83	16.90	19.87	24.57	24.64	27.62	<=33	Pass
		Inner_1RB_Right	16.64	16.84	19.75	24.38	24.58	27.49	<=33	Pass

Note1: Antenna Gain: Ant1: 7.74dBi; Ant2: 7.74dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.2 30k_MIMO_40MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 40MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2516.01	Edge_1RB_Left	19.87	19.98	22.94	27.61	27.72	30.68	<=33	Pass
		Edge_1RB_Right	19.38	19.91	22.66	27.12	27.65	30.40	<=33	Pass
		Outer_Full	18.13	18.36	21.26	25.87	26.10	29.00	<=33	Pass
		Inner_Full	21.60	21.84	24.73	29.34	29.58	32.47	<=33	Pass
		Inner_1RB_Left	21.66	22.07	24.88	29.40	29.81	32.62	<=33	Pass
		Inner_1RB_Right	21.24	21.77	24.52	28.98	29.51	32.26	<=33	Pass
	2592.99	Edge_1RB_Left	19.88	19.92	22.91	27.62	27.66	30.65	<=33	Pass
		Edge_1RB_Right	20.06	20.10	23.09	27.80	27.84	30.83	<=33	Pass
		Outer_Full	18.48	18.50	21.50	26.22	26.24	29.24	<=33	Pass
		Inner_Full	21.93	22.04	25.00	29.67	29.78	32.74	<=33	Pass
		Inner_1RB_Left	21.75	21.89	24.83	29.49	29.63	32.57	<=33	Pass
		Inner_1RB_Right	22.11	21.96	25.05	29.85	29.70	32.79	<=33	Pass
	2670	Edge_1RB_Left	20.12	19.78	22.96	27.86	27.52	30.70	<=33	Pass
		Edge_1RB_Right	20.09	19.97	23.04	27.83	27.71	30.78	<=33	Pass
		Outer_Full	18.50	18.31	21.42	26.24	26.05	29.16	<=33	Pass
		Inner_Full	22.06	21.88	24.98	29.80	29.62	32.72	<=33	Pass
		Inner_1RB_Left	22.09	21.95	25.03	29.83	29.69	32.77	<=33	Pass
		Inner_1RB_Right	22.04	21.99	25.02	29.78	29.73	32.77	<=33	Pass
CP-OFDM 16 QAM	2516.01	Edge_1RB_Left	19.68	20.02	22.86	27.42	27.76	30.60	<=33	Pass
		Edge_1RB_Right	19.13	19.90	22.54	26.87	27.64	30.28	<=33	Pass
		Outer_Full	18.09	18.41	21.26	25.83	26.15	29.00	<=33	Pass
		Inner_Full	21.06	21.25	24.17	28.80	28.99	31.91	<=33	Pass
		Inner_1RB_Left	21.50	21.57	24.54	29.24	29.31	32.29	<=33	Pass
		Inner_1RB_Right	20.86	21.48	24.19	28.60	29.22	31.93	<=33	Pass

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	2592.99	Edge_1RB_Left	19.84	19.83	22.85	27.58	27.57	30.59	<=33	Pass
		Edge_1RB_Right	20.09	19.98	23.05	27.83	27.72	30.79	<=33	Pass
		Outer_Full	18.36	18.47	21.43	26.10	26.21	29.17	<=33	Pass
		Inner_Full	21.41	21.45	24.44	29.15	29.19	32.18	<=33	Pass
		Inner_1RB_Left	21.30	21.45	24.38	29.04	29.19	32.13	<=33	Pass
		Inner_1RB_Right	21.48	21.54	24.52	29.22	29.28	32.26	<=33	Pass
	2670	Edge_1RB_Left	20.24	20.09	23.17	27.98	27.83	30.92	<=33	Pass
		Edge_1RB_Right	19.95	19.96	22.97	27.69	27.70	30.71	<=33	Pass
		Outer_Full	18.47	18.38	21.44	26.21	26.12	29.18	<=33	Pass
		Inner_Full	21.48	21.39	24.45	29.22	29.13	32.19	<=33	Pass
		Inner_1RB_Left	21.56	21.48	24.53	29.30	29.22	32.27	<=33	Pass
		Inner_1RB_Right	21.66	21.44	24.56	29.40	29.18	32.30	<=33	Pass
CP-OFDM 64 QAM	2516.01	Edge_1RB_Left	19.77	19.84	22.82	27.51	27.58	30.56	<=33	Pass
		Edge_1RB_Right	19.26	20.05	22.68	27.00	27.79	30.42	<=33	Pass
		Outer_Full	17.63	17.89	20.77	25.37	25.63	28.51	<=33	Pass
		Inner_Full	19.65	19.88	22.78	27.39	27.62	30.52	<=33	Pass
		Inner_1RB_Left	19.65	20.01	22.85	27.39	27.75	30.58	<=33	Pass
		Inner_1RB_Right	19.26	19.91	22.61	27.00	27.65	30.35	<=33	Pass
	2592.99	Edge_1RB_Left	19.70	19.84	22.78	27.44	27.58	30.52	<=33	Pass
		Edge_1RB_Right	20.09	20.05	23.08	27.83	27.79	30.82	<=33	Pass
		Outer_Full	17.98	18.01	21.01	25.72	25.75	28.75	<=33	Pass
		Inner_Full	19.85	19.96	22.92	27.59	27.70	30.66	<=33	Pass
		Inner_1RB_Left	20.02	20.04	23.04	27.76	27.78	30.78	<=33	Pass
		Inner_1RB_Right	20.06	19.76	22.92	27.80	27.50	30.66	<=33	Pass
	2670	Edge_1RB_Left	20.36	19.89	23.14	28.10	27.63	30.88	<=33	Pass
		Edge_1RB_Right	20.13	20.10	23.13	27.87	27.84	30.87	<=33	Pass
		Outer_Full	18.11	17.85	20.99	25.85	25.59	28.73	<=33	Pass
		Inner_Full	19.95	19.85	22.91	27.69	27.59	30.65	<=33	Pass
		Inner_1RB_Left	20.17	19.82	23.01	27.91	27.56	30.75	<=33	Pass
		Inner_1RB_Right	20.09	19.83	22.97	27.83	27.57	30.71	<=33	Pass
CP-OFDM 256 QAM	2516.01	Edge_1RB_Left	16.58	17.08	19.85	24.32	24.82	27.59	<=33	Pass
		Edge_1RB_Right	16.24	16.87	19.58	23.98	24.61	27.32	<=33	Pass
		Outer_Full	14.31	14.37	17.35	22.05	22.11	25.09	<=33	Pass
		Inner_Full	16.63	16.90	19.78	24.37	24.64	27.52	<=33	Pass
		Inner_1RB_Left	16.63	16.87	19.76	24.37	24.61	27.50	<=33	Pass
		Inner_1RB_Right	16.33	17.05	19.72	24.07	24.79	27.46	<=33	Pass
	2592.99	Edge_1RB_Left	16.78	16.94	19.87	24.52	24.68	27.61	<=33	Pass
		Edge_1RB_Right	17.29	16.83	20.08	25.03	24.57	27.82	<=33	Pass

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		Outer_Full	14.10	14.02	17.07	21.84	21.76	24.81	<=33	Pass
		Inner_Full	16.85	17.01	19.94	24.59	24.75	27.68	<=33	Pass
		Inner_1RB_Left	16.85	17.03	19.96	24.59	24.77	27.69	<=33	Pass
		Inner_1RB_Right	17.09	16.93	20.02	24.83	24.67	27.76	<=33	Pass
	2670	Edge_1RB_Left	17.32	16.92	20.14	25.06	24.66	27.87	<=33	Pass
		Edge_1RB_Right	17.01	16.95	19.99	24.75	24.69	27.73	<=33	Pass
		Outer_Full	14.17	13.94	17.07	21.91	21.68	24.81	<=33	Pass
		Inner_Full	17.01	16.95	19.99	24.75	24.69	27.73	<=33	Pass
		Inner_1RB_Left	17.26	16.85	20.07	25.00	24.59	27.81	<=33	Pass
		Inner_1RB_Right	17.14	17.11	20.13	24.88	24.85	27.88	<=33	Pass
Note1: Antenna Gain: Ant1: 7.74dBi; Ant2: 7.74dBi; Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2										

1.1.3 30k_MIMO_50MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 50MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2521.02	Edge_1RB_Left	19.80	19.96	22.89	27.54	27.70	30.63	<=33	Pass
		Edge_1RB_Right	19.73	20.03	22.89	27.47	27.77	30.63	<=33	Pass
		Outer_Full	18.05	18.33	21.20	25.79	26.07	28.94	<=33	Pass
		Inner_Full	21.45	21.79	24.63	29.19	29.53	32.37	<=33	Pass
		Inner_1RB_Left	21.76	21.98	24.88	29.50	29.72	32.62	<=33	Pass
		Inner_1RB_Right	21.56	22.05	24.82	29.30	29.79	32.56	<=33	Pass
	2592.99	Edge_1RB_Left	19.80	19.70	22.76	27.54	27.44	30.50	<=33	Pass
		Edge_1RB_Right	20.05	19.98	23.02	27.79	27.72	30.77	<=33	Pass
		Outer_Full	18.33	18.42	21.39	26.07	26.16	29.13	<=33	Pass
		Inner_Full	21.81	21.99	24.91	29.55	29.73	32.65	<=33	Pass
		Inner_1RB_Left	21.90	21.68	24.80	29.64	29.42	32.54	<=33	Pass
		Inner_1RB_Right	21.80	21.94	24.88	29.54	29.68	32.62	<=33	Pass
	2664.99	Edge_1RB_Left	19.94	19.82	22.89	27.68	27.56	30.63	<=33	Pass
		Edge_1RB_Right	20.02	19.85	22.95	27.76	27.59	30.69	<=33	Pass
		Outer_Full	18.46	18.33	21.40	26.20	26.07	29.15	<=33	Pass
		Inner_Full	22.01	21.84	24.93	29.75	29.58	32.68	<=33	Pass
		Inner_1RB_Left	21.96	21.90	24.94	29.70	29.64	32.68	<=33	Pass
		Inner_1RB_Right	21.87	21.80	24.84	29.61	29.54	32.59	<=33	Pass
CP-OFDM 16	2521.02	Edge_1RB_Left	19.54	20.06	22.82	27.28	27.80	30.56	<=33	Pass

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QAM		Edge_1RB_Right	19.92	19.81	22.87	27.66	27.55	30.62	<=33	Pass
		Outer_Full	18.08	18.41	21.26	25.82	26.15	29.00	<=33	Pass
		Inner_Full	20.94	21.34	24.15	28.68	29.08	31.89	<=33	Pass
		Inner_1RB_Left	21.14	21.44	24.30	28.88	29.18	32.04	<=33	Pass
		Inner_1RB_Right	21.33	21.54	24.45	29.07	29.28	32.19	<=33	Pass
	2592.99	Edge_1RB_Left	19.83	19.83	22.84	27.57	27.57	30.58	<=33	Pass
		Edge_1RB_Right	19.86	19.83	22.85	27.60	27.57	30.60	<=33	Pass
		Outer_Full	18.39	18.40	21.41	26.13	26.14	29.15	<=33	Pass
		Inner_Full	21.42	21.52	24.48	29.16	29.26	32.22	<=33	Pass
		Inner_1RB_Left	21.43	21.35	24.40	29.17	29.09	32.14	<=33	Pass
		Inner_1RB_Right	21.22	21.29	24.26	28.96	29.03	32.01	<=33	Pass
	2664.99	Edge_1RB_Left	20.00	19.68	22.85	27.74	27.42	30.59	<=33	Pass
		Edge_1RB_Right	19.90	19.81	22.86	27.64	27.55	30.61	<=33	Pass
		Outer_Full	18.51	18.28	21.41	26.25	26.02	29.15	<=33	Pass
		Inner_Full	21.47	21.30	24.40	29.21	29.04	32.14	<=33	Pass
		Inner_1RB_Left	21.70	21.40	24.56	29.44	29.14	32.30	<=33	Pass
		Inner_1RB_Right	21.46	21.42	24.45	29.20	29.16	32.19	<=33	Pass
CP-OFDM 64 QAM	2521.02	Edge_1RB_Left	19.70	19.91	22.81	27.44	27.65	30.56	<=33	Pass
		Edge_1RB_Right	19.73	20.04	22.90	27.47	27.78	30.64	<=33	Pass
		Outer_Full	17.53	17.94	20.75	25.27	25.68	28.49	<=33	Pass
		Inner_Full	19.50	19.79	22.66	27.24	27.53	30.40	<=33	Pass
		Inner_1RB_Left	19.89	19.99	22.95	27.63	27.73	30.69	<=33	Pass
		Inner_1RB_Right	19.74	19.99	22.88	27.48	27.73	30.62	<=33	Pass
	2592.99	Edge_1RB_Left	19.91	19.69	22.81	27.65	27.43	30.55	<=33	Pass
		Edge_1RB_Right	20.01	19.81	22.92	27.75	27.55	30.66	<=33	Pass
		Outer_Full	17.92	17.95	20.95	25.66	25.69	28.69	<=33	Pass
		Inner_Full	19.87	19.88	22.89	27.61	27.62	30.63	<=33	Pass
		Inner_1RB_Left	19.96	19.72	22.85	27.70	27.46	30.59	<=33	Pass
		Inner_1RB_Right	19.89	20.09	23.00	27.63	27.83	30.74	<=33	Pass
	2664.99	Edge_1RB_Left	20.19	19.89	23.05	27.93	27.63	30.79	<=33	Pass
		Edge_1RB_Right	19.89	20.07	22.99	27.63	27.81	30.73	<=33	Pass
		Outer_Full	18.02	17.78	20.91	25.76	25.52	28.65	<=33	Pass
		Inner_Full	20.02	19.82	22.93	27.76	27.56	30.67	<=33	Pass
		Inner_1RB_Left	19.95	19.85	22.91	27.69	27.59	30.65	<=33	Pass
		Inner_1RB_Right	20.04	19.95	23.00	27.78	27.69	30.75	<=33	Pass
CP-OFDM 256 QAM	2521.02	Edge_1RB_Left	16.69	17.05	19.88	24.43	24.79	27.62	<=33	Pass
		Edge_1RB_Right	16.70	17.02	19.87	24.44	24.76	27.61	<=33	Pass
		Outer_Full	14.16	14.43	17.31	21.90	22.17	25.05	<=33	Pass

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		Inner_Full	16.47	16.88	19.69	24.21	24.62	27.43	<=33	Pass
		Inner_1RB_Left	16.67	16.87	19.78	24.41	24.61	27.52	<=33	Pass
		Inner_1RB_Right	16.77	17.02	19.91	24.51	24.76	27.65	<=33	Pass
	2592.99	Edge_1RB_Left	16.71	16.74	19.73	24.45	24.48	27.48	<=33	Pass
		Edge_1RB_Right	16.71	16.90	19.82	24.45	24.64	27.56	<=33	Pass
		Outer_Full	14.16	14.01	17.09	21.90	21.75	24.84	<=33	Pass
		Inner_Full	16.97	16.97	19.98	24.71	24.71	27.72	<=33	Pass
		Inner_1RB_Left	16.87	16.70	19.80	24.61	24.44	27.54	<=33	Pass
		Inner_1RB_Right	16.96	16.79	19.89	24.70	24.53	27.63	<=33	Pass
	2664.99	Edge_1RB_Left	16.92	16.79	19.87	24.66	24.53	27.61	<=33	Pass
		Edge_1RB_Right	16.84	16.92	19.89	24.58	24.66	27.63	<=33	Pass
		Outer_Full	14.13	13.85	17.00	21.87	21.59	24.74	<=33	Pass
		Inner_Full	17.03	16.82	19.94	24.77	24.56	27.68	<=33	Pass
		Inner_1RB_Left	16.98	16.68	19.84	24.72	24.42	27.58	<=33	Pass
		Inner_1RB_Right	17.08	16.82	19.96	24.82	24.56	27.70	<=33	Pass

Note1: Antenna Gain: Ant1: 7.74dBi; Ant2: 7.74dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.4 30k_MIMO_60MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 60MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2526	Edge_1RB_Left	19.55	19.90	22.74	27.29	27.64	30.48	<=33	Pass
		Edge_1RB_Right	19.88	19.78	22.84	27.62	27.52	30.58	<=33	Pass
		Outer_Full	17.95	18.33	21.16	25.69	26.07	28.89	<=33	Pass
		Inner_Full	21.29	21.72	24.52	29.03	29.46	32.26	<=33	Pass
		Inner_1RB_Left	21.64	21.92	24.79	29.38	29.66	32.53	<=33	Pass
		Inner_1RB_Right	21.79	21.71	24.76	29.53	29.45	32.50	<=33	Pass
	2592.99	Edge_1RB_Left	19.92	19.69	22.81	27.66	27.43	30.56	<=33	Pass
		Edge_1RB_Right	19.82	19.76	22.80	27.56	27.50	30.54	<=33	Pass
		Outer_Full	18.42	18.45	21.45	26.16	26.19	29.19	<=33	Pass
		Inner_Full	21.83	21.95	24.90	29.57	29.69	32.64	<=33	Pass
		Inner_1RB_Left	21.88	21.94	24.92	29.62	29.68	32.66	<=33	Pass
		Inner_1RB_Right	21.81	22.26	25.05	29.55	30.00	32.79	<=33	Pass
	2659.98	Edge_1RB_Left	19.92	19.82	22.88	27.66	27.56	30.62	<=33	Pass
		Edge_1RB_Right	19.75	19.79	22.78	27.49	27.53	30.52	<=33	Pass

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		Outer_Full	18.39	18.26	21.34	26.13	26.00	29.08	<=33	Pass
		Inner_Full	21.91	21.72	24.82	29.65	29.46	32.57	<=33	Pass
		Inner_1RB_Left	21.78	21.97	24.89	29.52	29.71	32.63	<=33	Pass
		Inner_1RB_Right	21.71	21.66	24.70	29.45	29.40	32.44	<=33	Pass
CP-OFDM 16 QAM	2526	Edge_1RB_Left	19.64	19.82	22.74	27.38	27.56	30.48	<=33	Pass
		Edge_1RB_Right	19.93	19.74	22.85	27.67	27.48	30.59	<=33	Pass
		Outer_Full	17.98	18.27	21.14	25.72	26.01	28.88	<=33	Pass
		Inner_Full	20.77	21.23	24.02	28.51	28.97	31.76	<=33	Pass
		Inner_1RB_Left	21.19	21.36	24.29	28.93	29.10	32.03	<=33	Pass
		Inner_1RB_Right	21.28	21.40	24.35	29.02	29.14	32.09	<=33	Pass
	2592.99	Edge_1RB_Left	20.09	19.67	22.90	27.83	27.41	30.64	<=33	Pass
		Edge_1RB_Right	20.10	19.80	22.96	27.84	27.54	30.70	<=33	Pass
		Outer_Full	18.38	18.46	21.43	26.12	26.20	29.17	<=33	Pass
		Inner_Full	21.33	21.48	24.42	29.07	29.22	32.16	<=33	Pass
		Inner_1RB_Left	21.67	21.21	24.46	29.41	28.95	32.20	<=33	Pass
		Inner_1RB_Right	21.35	21.18	24.28	29.09	28.92	32.02	<=33	Pass
	2659.98	Edge_1RB_Left	19.97	19.89	22.94	27.71	27.63	30.68	<=33	Pass
		Edge_1RB_Right	19.84	19.87	22.86	27.58	27.61	30.61	<=33	Pass
		Outer_Full	18.44	18.23	21.34	26.18	25.97	29.09	<=33	Pass
		Inner_Full	21.40	21.13	24.28	29.14	28.87	32.02	<=33	Pass
		Inner_1RB_Left	14.28	13.61	16.97	22.02	21.35	24.71	<=33	Pass
		Inner_1RB_Right	21.42	21.13	24.29	29.16	28.87	32.03	<=33	Pass
CP-OFDM 64 QAM	2526	Edge_1RB_Left	19.51	19.88	22.71	27.25	27.62	30.45	<=33	Pass
		Edge_1RB_Right	19.76	19.81	22.79	27.50	27.55	30.54	<=33	Pass
		Outer_Full	17.51	17.83	20.68	25.25	25.57	28.42	<=33	Pass
		Inner_Full	19.35	19.72	22.55	27.09	27.46	30.29	<=33	Pass
		Inner_1RB_Left	19.77	20.07	22.93	27.51	27.81	30.67	<=33	Pass
		Inner_1RB_Right	19.98	19.88	22.94	27.72	27.62	30.68	<=33	Pass
	2592.99	Edge_1RB_Left	19.74	19.75	22.76	27.48	27.49	30.50	<=33	Pass
		Edge_1RB_Right	19.84	19.83	22.85	27.58	27.57	30.59	<=33	Pass
		Outer_Full	17.88	17.94	20.92	25.62	25.68	28.66	<=33	Pass
		Inner_Full	19.85	19.89	22.88	27.59	27.63	30.62	<=33	Pass
		Inner_1RB_Left	19.87	19.63	22.76	27.61	27.37	30.50	<=33	Pass
		Inner_1RB_Right	20.13	19.61	22.89	27.87	27.35	30.63	<=33	Pass
	2659.98	Edge_1RB_Left	19.73	19.83	22.79	27.47	27.57	30.53	<=33	Pass
		Edge_1RB_Right	19.83	19.69	22.77	27.57	27.43	30.51	<=33	Pass
		Outer_Full	17.94	17.73	20.85	25.68	25.47	28.59	<=33	Pass
		Inner_Full	19.99	19.71	22.86	27.73	27.45	30.60	<=33	Pass

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		Inner_1RB_Left	19.76	19.93	22.86	27.50	27.67	30.60	<=33	Pass
		Inner_1RB_Right	19.94	19.75	22.85	27.68	27.49	30.60	<=33	Pass
CP-OFDM 256 QAM	2526	Edge_1RB_Left	16.74	16.84	19.80	24.48	24.58	27.54	<=33	Pass
		Edge_1RB_Right	16.73	16.80	19.78	24.47	24.54	27.52	<=33	Pass
		Outer_Full	14.23	14.29	17.27	21.97	22.03	25.01	<=33	Pass
		Inner_Full	16.37	16.73	19.56	24.11	24.47	27.30	<=33	Pass
		Inner_1RB_Left	16.65	16.88	19.78	24.39	24.62	27.52	<=33	Pass
		Inner_1RB_Right	16.96	17.02	20.00	24.70	24.76	27.74	<=33	Pass
	2592.99	Edge_1RB_Left	17.22	16.67	19.96	24.96	24.41	27.70	<=33	Pass
		Edge_1RB_Right	16.76	16.81	19.80	24.50	24.55	27.54	<=33	Pass
		Outer_Full	14.17	13.99	17.09	21.91	21.73	24.83	<=33	Pass
		Inner_Full	16.97	16.99	19.99	24.71	24.73	27.73	<=33	Pass
		Inner_1RB_Left	17.05	16.81	19.94	24.79	24.55	27.68	<=33	Pass
		Inner_1RB_Right	16.90	16.89	19.90	24.64	24.63	27.65	<=33	Pass
	2659.98	Edge_1RB_Left	17.12	16.94	20.04	24.86	24.68	27.78	<=33	Pass
		Edge_1RB_Right	16.69	16.77	19.74	24.43	24.51	27.48	<=33	Pass
		Outer_Full	14.11	13.80	16.97	21.85	21.54	24.71	<=33	Pass
		Inner_Full	17.03	16.72	19.89	24.77	24.46	27.63	<=33	Pass
		Inner_1RB_Left	16.93	16.73	19.84	24.67	24.47	27.58	<=33	Pass
		Inner_1RB_Right	16.75	16.71	19.74	24.49	24.45	27.48	<=33	Pass

Note1: Antenna Gain: Ant1: 7.74dBi; Ant2: 7.74dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.5 30k_MIMO_80MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 80MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2536.02	Edge_1RB_Left	19.54	19.69	22.62	27.28	27.43	30.37	<=33	Pass
		Edge_1RB_Right	19.37	19.48	22.44	27.11	27.22	30.18	<=33	Pass
		Outer_Full	17.97	18.10	21.05	25.71	25.84	28.79	<=33	Pass
		Inner_Full	21.26	21.61	24.45	29.00	29.35	32.19	<=33	Pass
		Inner_1RB_Left	21.38	21.65	24.53	29.12	29.39	32.27	<=33	Pass
		Inner_1RB_Right	21.49	21.62	24.57	29.23	29.36	32.31	<=33	Pass
	2592.99	Edge_1RB_Left	19.67	19.56	22.62	27.41	27.30	30.37	<=33	Pass
		Edge_1RB_Right	19.66	19.68	22.68	27.40	27.42	30.42	<=33	Pass
		Outer_Full	18.21	18.20	21.21	25.95	25.94	28.96	<=33	Pass

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		Inner_Full	21.62	21.74	24.69	29.36	29.48	32.43	<=33	Pass
		Inner_1RB_Left	21.75	21.66	24.71	29.49	29.40	32.46	<=33	Pass
		Inner_1RB_Right	21.61	21.67	24.65	29.35	29.41	32.39	<=33	Pass
	2649.99	Edge_1RB_Left	19.51	19.53	22.53	27.25	27.27	30.27	<=33	Pass
		Edge_1RB_Right	19.62	19.45	22.55	27.36	27.19	30.29	<=33	Pass
		Outer_Full	18.24	18.21	21.23	25.98	25.95	28.98	<=33	Pass
		Inner_Full	21.73	21.61	24.68	29.47	29.35	32.42	<=33	Pass
		Inner_1RB_Left	21.48	21.61	24.55	29.22	29.35	32.30	<=33	Pass
		Inner_1RB_Right	21.73	21.71	24.73	29.47	29.45	32.47	<=33	Pass
CP-OFDM 16 QAM	2536.02	Edge_1RB_Left	19.53	19.69	22.62	27.27	27.43	30.36	<=33	Pass
		Edge_1RB_Right	19.29	19.75	22.54	27.03	27.49	30.28	<=33	Pass
		Outer_Full	17.91	18.03	20.98	25.65	25.77	28.72	<=33	Pass
		Inner_Full	20.80	21.05	23.93	28.54	28.79	31.68	<=33	Pass
		Inner_1RB_Left	20.92	21.21	24.08	28.66	28.95	31.82	<=33	Pass
		Inner_1RB_Right	21.00	20.83	23.93	28.74	28.57	31.67	<=33	Pass
	2592.99	Edge_1RB_Left	19.83	19.49	22.67	27.57	27.23	30.41	<=33	Pass
		Edge_1RB_Right	19.79	19.72	22.77	27.53	27.46	30.51	<=33	Pass
		Outer_Full	18.23	18.14	21.20	25.97	25.88	28.94	<=33	Pass
		Inner_Full	21.21	21.26	24.25	28.95	29.00	31.99	<=33	Pass
		Inner_1RB_Left	21.12	21.17	24.16	28.86	28.91	31.90	<=33	Pass
		Inner_1RB_Right	21.21	21.40	24.32	28.95	29.14	32.06	<=33	Pass
	2649.99	Edge_1RB_Left	19.77	19.75	22.77	27.51	27.49	30.51	<=33	Pass
		Edge_1RB_Right	19.67	19.41	22.55	27.41	27.15	30.29	<=33	Pass
		Outer_Full	18.25	18.16	21.22	25.99	25.90	28.96	<=33	Pass
		Inner_Full	21.29	21.05	24.19	29.03	28.79	31.92	<=33	Pass
		Inner_1RB_Left	20.99	21.14	24.07	28.73	28.88	31.82	<=33	Pass
		Inner_1RB_Right	21.23	20.92	24.09	28.97	28.66	31.83	<=33	Pass
CP-OFDM 64 QAM	2536.02	Edge_1RB_Left	19.62	19.57	22.60	27.36	27.31	30.35	<=33	Pass
		Edge_1RB_Right	19.54	19.65	22.61	27.28	27.39	30.35	<=33	Pass
		Outer_Full	17.32	17.55	20.44	25.06	25.29	28.19	<=33	Pass
		Inner_Full	19.21	19.53	22.38	26.95	27.27	30.12	<=33	Pass
		Inner_1RB_Left	19.26	19.71	22.50	27.00	27.45	30.24	<=33	Pass
		Inner_1RB_Right	19.48	19.44	22.47	27.22	27.18	30.21	<=33	Pass
	2592.99	Edge_1RB_Left	19.70	19.26	22.50	27.44	27.00	30.24	<=33	Pass
		Edge_1RB_Right	19.68	19.68	22.69	27.42	27.42	30.43	<=33	Pass
		Outer_Full	17.74	17.63	20.69	25.48	25.37	28.44	<=33	Pass
		Inner_Full	19.68	19.61	22.66	27.42	27.35	30.40	<=33	Pass
		Inner_1RB_Left	19.71	19.61	22.67	27.45	27.35	30.41	<=33	Pass

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		Inner_1RB_Right	20.04	19.85	22.96	27.78	27.59	30.70	<=33	Pass
	2649.99	Edge_1RB_Left	19.64	19.50	22.58	27.38	27.24	30.32	<=33	Pass
		Edge_1RB_Right	19.73	19.49	22.62	27.47	27.23	30.36	<=33	Pass
		Outer_Full	17.78	17.57	20.68	25.52	25.31	28.43	<=33	Pass
		Inner_Full	19.79	19.59	22.70	27.53	27.33	30.44	<=33	Pass
		Inner_1RB_Left	19.73	19.49	22.62	27.47	27.23	30.36	<=33	Pass
		Inner_1RB_Right	19.80	19.47	22.65	27.54	27.21	30.39	<=33	Pass
CP-OFDM 256 QAM	2536.02	Edge_1RB_Left	16.39	16.69	19.55	24.13	24.43	27.29	<=33	Pass
		Edge_1RB_Right	16.52	16.35	19.44	24.26	24.09	27.19	<=33	Pass
		Outer_Full	14.05	14.01	17.04	21.79	21.75	24.78	<=33	Pass
		Inner_Full	16.25	16.55	19.41	23.99	24.29	27.15	<=33	Pass
		Inner_1RB_Left	16.26	16.70	19.49	24.00	24.44	27.24	<=33	Pass
		Inner_1RB_Right	16.36	16.73	19.56	24.10	24.47	27.30	<=33	Pass
	2592.99	Edge_1RB_Left	16.83	16.48	19.67	24.57	24.22	27.41	<=33	Pass
		Edge_1RB_Right	16.95	16.56	19.77	24.69	24.30	27.51	<=33	Pass
		Outer_Full	13.99	13.71	16.86	21.73	21.45	24.60	<=33	Pass
		Inner_Full	16.63	16.81	19.73	24.37	24.55	27.47	<=33	Pass
		Inner_1RB_Left	16.78	16.58	19.69	24.52	24.32	27.43	<=33	Pass
		Inner_1RB_Right	16.79	16.77	19.79	24.53	24.51	27.53	<=33	Pass
	2649.99	Edge_1RB_Left	16.80	16.55	19.69	24.54	24.29	27.43	<=33	Pass
		Edge_1RB_Right	16.62	16.49	19.56	24.36	24.23	27.31	<=33	Pass
		Outer_Full	13.93	13.77	16.86	21.67	21.51	24.60	<=33	Pass
		Inner_Full	16.79	16.55	19.68	24.53	24.29	27.42	<=33	Pass
		Inner_1RB_Left	16.52	16.58	19.56	24.26	24.32	27.30	<=33	Pass
		Inner_1RB_Right	16.47	16.65	19.57	24.21	24.39	27.31	<=33	Pass

Note1: Antenna Gain: Ant1: 7.74dBi; Ant2: 7.74dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.6 30k_MIMO_90MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 90MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2541	Edge_1RB_Left	19.74	19.65	22.70	27.48	27.39	30.45	<=33	Pass
		Edge_1RB_Right	19.54	19.78	22.67	27.28	27.52	30.41	<=33	Pass
		Outer_Full	17.96	18.21	21.10	25.70	25.95	28.84	<=33	Pass
		Inner_Full	21.45	21.72	24.59	29.19	29.46	32.34	<=33	Pass

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		Inner_1RB_Left	21.50	21.85	24.69	29.24	29.59	32.43	<=33	Pass
		Inner_1RB_Right	21.55	21.75	24.66	29.29	29.49	32.40	<=33	Pass
	2592.99	Edge_1RB_Left	19.53	19.61	22.58	27.27	27.35	30.32	<=33	Pass
		Edge_1RB_Right	19.89	19.77	22.84	27.63	27.51	30.58	<=33	Pass
		Outer_Full	18.34	18.16	21.26	26.08	25.90	29.00	<=33	Pass
		Inner_Full	21.66	21.71	24.69	29.40	29.45	32.44	<=33	Pass
		Inner_1RB_Left	21.58	21.52	24.56	29.32	29.26	32.30	<=33	Pass
		Inner_1RB_Right	21.76	21.76	24.77	29.50	29.50	32.51	<=33	Pass
	2644.98	Edge_1RB_Left	19.57	19.65	22.62	27.31	27.39	30.36	<=33	Pass
		Edge_1RB_Right	19.68	19.57	22.64	27.42	27.31	30.38	<=33	Pass
		Outer_Full	18.35	18.15	21.26	26.09	25.89	29.00	<=33	Pass
		Inner_Full	21.81	21.65	24.74	29.55	29.39	32.48	<=33	Pass
		Inner_1RB_Left	21.66	21.61	24.65	29.40	29.35	32.39	<=33	Pass
		Inner_1RB_Right	22.03	21.62	24.84	29.77	29.36	32.58	<=33	Pass
CP-OFDM 16 QAM	2541	Edge_1RB_Left	19.56	19.80	22.69	27.30	27.54	30.43	<=33	Pass
		Edge_1RB_Right	19.61	19.78	22.70	27.35	27.52	30.45	<=33	Pass
		Outer_Full	17.93	18.21	21.08	25.67	25.95	28.82	<=33	Pass
		Inner_Full	20.84	21.09	23.97	28.58	28.83	31.72	<=33	Pass
		Inner_1RB_Left	20.97	20.99	23.99	28.71	28.73	31.73	<=33	Pass
		Inner_1RB_Right	21.24	21.30	24.28	28.98	29.04	32.02	<=33	Pass
	2592.99	Edge_1RB_Left	19.67	19.64	22.67	27.41	27.38	30.41	<=33	Pass
		Edge_1RB_Right	19.93	19.66	22.81	27.67	27.40	30.55	<=33	Pass
		Outer_Full	18.25	18.14	21.20	25.99	25.88	28.95	<=33	Pass
		Inner_Full	21.11	21.14	24.14	28.85	28.88	31.88	<=33	Pass
		Inner_1RB_Left	20.99	21.10	24.05	28.73	28.84	31.80	<=33	Pass
		Inner_1RB_Right	21.43	21.28	24.37	29.17	29.02	32.11	<=33	Pass
	2644.98	Edge_1RB_Left	19.56	19.50	22.54	27.30	27.24	30.28	<=33	Pass
		Edge_1RB_Right	19.70	19.57	22.64	27.44	27.31	30.39	<=33	Pass
		Outer_Full	18.23	18.21	21.23	25.97	25.95	28.97	<=33	Pass
		Inner_Full	21.34	21.16	24.26	29.08	28.90	32.00	<=33	Pass
		Inner_1RB_Left	21.07	21.25	24.17	28.81	28.99	31.91	<=33	Pass
		Inner_1RB_Right	21.34	20.99	24.18	29.08	28.73	31.92	<=33	Pass
CP-OFDM 64 QAM	2541	Edge_1RB_Left	19.34	19.71	22.54	27.08	27.45	30.28	<=33	Pass
		Edge_1RB_Right	19.71	19.88	22.81	27.45	27.62	30.55	<=33	Pass
		Outer_Full	17.43	17.61	20.53	25.17	25.35	28.27	<=33	Pass
		Inner_Full	19.34	19.61	22.49	27.08	27.35	30.23	<=33	Pass
		Inner_1RB_Left	19.53	19.62	22.59	27.27	27.36	30.33	<=33	Pass
		Inner_1RB_Right	19.76	19.93	22.85	27.50	27.67	30.60	<=33	Pass

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	2592.99	Edge_1RB_Left	19.45	19.64	22.55	27.19	27.38	30.30	<=33	Pass
		Edge_1RB_Right	19.94	19.51	22.74	27.68	27.25	30.48	<=33	Pass
		Outer_Full	17.73	17.70	20.72	25.47	25.44	28.47	<=33	Pass
		Inner_Full	19.72	19.70	22.72	27.46	27.44	30.46	<=33	Pass
		Inner_1RB_Left	19.49	19.65	22.58	27.23	27.39	30.32	<=33	Pass
		Inner_1RB_Right	19.98	19.83	22.91	27.72	27.57	30.66	<=33	Pass
	2644.98	Edge_1RB_Left	19.46	19.63	22.56	27.20	27.37	30.30	<=33	Pass
		Edge_1RB_Right	19.92	19.67	22.81	27.66	27.41	30.55	<=33	Pass
		Outer_Full	17.85	17.70	20.79	25.59	25.44	28.53	<=33	Pass
		Inner_Full	19.89	19.73	22.82	27.63	27.47	30.56	<=33	Pass
		Inner_1RB_Left	19.63	19.64	22.64	27.37	27.38	30.39	<=33	Pass
		Inner_1RB_Right	19.69	19.65	22.68	27.43	27.39	30.42	<=33	Pass
CP-OFDM 256 QAM	2541	Edge_1RB_Left	16.51	16.80	19.66	24.25	24.54	27.41	<=33	Pass
		Edge_1RB_Right	16.52	16.82	19.68	24.26	24.56	27.42	<=33	Pass
		Outer_Full	14.10	14.13	17.13	21.84	21.87	24.87	<=33	Pass
		Inner_Full	16.39	16.68	19.55	24.13	24.42	27.29	<=33	Pass
		Inner_1RB_Left	16.42	16.89	19.67	24.16	24.63	27.41	<=33	Pass
		Inner_1RB_Right	16.57	16.62	19.60	24.31	24.36	27.35	<=33	Pass
	2592.99	Edge_1RB_Left	16.38	16.69	19.55	24.12	24.43	27.29	<=33	Pass
		Edge_1RB_Right	17.05	16.84	19.95	24.79	24.58	27.70	<=33	Pass
		Outer_Full	13.91	13.77	16.85	21.65	21.51	24.59	<=33	Pass
		Inner_Full	16.73	16.69	19.72	24.47	24.43	27.46	<=33	Pass
		Inner_1RB_Left	16.52	16.79	19.67	24.26	24.53	27.41	<=33	Pass
		Inner_1RB_Right	16.88	16.65	19.78	24.62	24.39	27.52	<=33	Pass
	2644.98	Edge_1RB_Left	16.73	16.58	19.66	24.47	24.32	27.41	<=33	Pass
		Edge_1RB_Right	16.96	16.61	19.80	24.70	24.35	27.54	<=33	Pass
		Outer_Full	13.98	13.77	16.89	21.72	21.51	24.63	<=33	Pass
		Inner_Full	16.88	16.76	19.83	24.62	24.50	27.57	<=33	Pass
		Inner_1RB_Left	16.56	16.79	19.68	24.30	24.53	27.43	<=33	Pass
		Inner_1RB_Right	16.73	16.62	19.68	24.47	24.36	27.43	<=33	Pass

Note1: Antenna Gain: Ant1: 7.74dBi; Ant2: 7.74dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

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1.1.7 30k_MIMO_100MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 100MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2546.01	Edge_1RB_Left	19.70	19.72	22.72	27.44	27.46	30.46	<=33	Pass
		Edge_1RB_Right	19.69	19.79	22.75	27.43	27.53	30.49	<=33	Pass
		Outer_Full	17.89	18.12	21.02	25.63	25.86	28.76	<=33	Pass
		Inner_Full	21.42	21.52	24.48	29.16	29.26	32.22	<=33	Pass
		Inner_1RB_Left	21.49	21.86	24.69	29.23	29.60	32.43	<=33	Pass
		Inner_1RB_Right	21.65	21.80	24.74	29.39	29.54	32.48	<=33	Pass
	2592.99	Edge_1RB_Left	19.29	19.81	22.57	27.03	27.55	30.31	<=33	Pass
		Edge_1RB_Right	19.97	19.62	22.81	27.71	27.36	30.55	<=33	Pass
		Outer_Full	18.20	18.16	21.19	25.94	25.90	28.93	<=33	Pass
		Inner_Full	21.63	21.72	24.69	29.37	29.46	32.43	<=33	Pass
		Inner_1RB_Left	21.39	21.49	24.45	29.13	29.23	32.19	<=33	Pass
		Inner_1RB_Right	21.66	21.79	24.73	29.40	29.53	32.48	<=33	Pass
	2640	Edge_1RB_Left	19.46	19.70	22.59	27.20	27.44	30.33	<=33	Pass
		Edge_1RB_Right	19.99	19.55	22.78	27.73	27.29	30.53	<=33	Pass
		Outer_Full	18.15	18.15	21.16	25.89	25.89	28.90	<=33	Pass
		Inner_Full	21.77	21.66	24.73	29.51	29.40	32.47	<=33	Pass
		Inner_1RB_Left	21.82	21.67	24.76	29.56	29.41	32.50	<=33	Pass
		Inner_1RB_Right	21.67	21.60	24.65	29.41	29.34	32.39	<=33	Pass
CP-OFDM 16 QAM	2546.01	Edge_1RB_Left	19.67	19.78	22.74	27.41	27.52	30.48	<=33	Pass
		Edge_1RB_Right	19.53	19.80	22.68	27.27	27.54	30.42	<=33	Pass
		Outer_Full	17.90	18.15	21.04	25.64	25.89	28.78	<=33	Pass
		Inner_Full	20.98	21.07	24.04	28.72	28.81	31.78	<=33	Pass
		Inner_1RB_Left	21.07	21.07	24.08	28.81	28.81	31.82	<=33	Pass
		Inner_1RB_Right	21.14	21.43	24.30	28.88	29.17	32.04	<=33	Pass
	2592.99	Edge_1RB_Left	19.34	19.57	22.47	27.08	27.31	30.21	<=33	Pass
		Edge_1RB_Right	19.90	19.64	22.78	27.64	27.38	30.52	<=33	Pass
		Outer_Full	18.23	18.20	21.22	25.97	25.94	28.97	<=33	Pass
		Inner_Full	21.20	21.23	24.23	28.94	28.97	31.97	<=33	Pass
		Inner_1RB_Left	20.96	21.04	24.01	28.70	28.78	31.75	<=33	Pass
		Inner_1RB_Right	21.46	21.18	24.33	29.20	28.92	32.07	<=33	Pass
	2640	Edge_1RB_Left	19.61	19.60	22.61	27.35	27.34	30.36	<=33	Pass
		Edge_1RB_Right	19.72	19.39	22.57	27.46	27.13	30.31	<=33	Pass

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		Outer_Full	18.30	18.20	21.26	26.04	25.94	29.00	<=33	Pass
		Inner_Full	21.27	21.16	24.23	29.01	28.90	31.97	<=33	Pass
		Inner_1RB_Left	21.22	21.28	24.26	28.96	29.02	32.00	<=33	Pass
		Inner_1RB_Right	21.39	21.11	24.26	29.13	28.85	32.00	<=33	Pass
CP-OFDM 64 QAM	2546.01	Edge_1RB_Left	19.41	19.72	22.57	27.15	27.46	30.32	<=33	Pass
		Edge_1RB_Right	19.52	20.16	22.86	27.26	27.90	30.60	<=33	Pass
		Outer_Full	17.45	17.64	20.56	25.19	25.38	28.30	<=33	Pass
		Inner_Full	19.55	19.54	22.55	27.29	27.28	30.30	<=33	Pass
		Inner_1RB_Left	19.43	19.65	22.55	27.17	27.39	30.29	<=33	Pass
		Inner_1RB_Right	19.73	19.65	22.70	27.47	27.39	30.44	<=33	Pass
	2592.99	Edge_1RB_Left	19.20	19.52	22.37	26.94	27.26	30.11	<=33	Pass
		Edge_1RB_Right	19.90	19.67	22.80	27.64	27.41	30.54	<=33	Pass
		Outer_Full	17.71	17.72	20.73	25.45	25.46	28.47	<=33	Pass
		Inner_Full	19.69	19.67	22.69	27.43	27.41	30.43	<=33	Pass
		Inner_1RB_Left	19.37	19.77	22.59	27.11	27.51	30.32	<=33	Pass
		Inner_1RB_Right	19.92	19.86	22.90	27.66	27.60	30.64	<=33	Pass
	2640	Edge_1RB_Left	19.74	19.69	22.73	27.48	27.43	30.47	<=33	Pass
		Edge_1RB_Right	19.62	19.50	22.57	27.36	27.24	30.31	<=33	Pass
		Outer_Full	17.87	17.72	20.81	25.61	25.46	28.55	<=33	Pass
		Inner_Full	19.79	19.65	22.73	27.53	27.39	30.47	<=33	Pass
		Inner_1RB_Left	19.87	19.70	22.79	27.61	27.44	30.54	<=33	Pass
		Inner_1RB_Right	19.85	19.56	22.72	27.59	27.30	30.46	<=33	Pass
CP-OFDM 256 QAM	2546.01	Edge_1RB_Left	16.48	16.75	19.63	24.22	24.49	27.37	<=33	Pass
		Edge_1RB_Right	16.99	16.51	19.77	24.73	24.25	27.51	<=33	Pass
		Outer_Full	14.16	14.11	17.15	21.90	21.85	24.89	<=33	Pass
		Inner_Full	16.52	16.63	19.58	24.26	24.37	27.33	<=33	Pass
		Inner_1RB_Left	16.53	16.84	19.70	24.27	24.58	27.44	<=33	Pass
		Inner_1RB_Right	16.48	16.72	19.61	24.22	24.46	27.35	<=33	Pass
	2592.99	Edge_1RB_Left	16.25	16.55	19.41	23.99	24.29	27.15	<=33	Pass
		Edge_1RB_Right	16.80	16.75	19.78	24.54	24.49	27.53	<=33	Pass
		Outer_Full	13.95	13.74	16.86	21.69	21.48	24.60	<=33	Pass
		Inner_Full	16.72	16.74	19.74	24.46	24.48	27.48	<=33	Pass
		Inner_1RB_Left	16.24	16.62	19.44	23.98	24.36	27.18	<=33	Pass
		Inner_1RB_Right	16.79	16.67	19.74	24.53	24.41	27.48	<=33	Pass
	2640	Edge_1RB_Left	16.48	16.69	19.60	24.22	24.43	27.34	<=33	Pass
		Edge_1RB_Right	16.68	16.80	19.75	24.42	24.54	27.49	<=33	Pass
		Outer_Full	13.94	13.71	16.84	21.68	21.45	24.58	<=33	Pass
		Inner_Full	16.80	16.63	19.73	24.54	24.37	27.47	<=33	Pass

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		Inner_1RB_Left	16.55	16.66	19.62	24.29	24.40	27.36	<=33	Pass
		Inner_1RB_Right	16.60	16.70	19.66	24.34	24.44	27.40	<=33	Pass

Note1: Antenna Gain: Ant1: 7.74dBi; Ant2: 7.74dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

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2. Frequency Stability

2.1 Test Result

2.1.1 30k_SISO_20MHz

5G NR n41 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	2592.99	Outer_Full	20	LV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-11.20	-0.0043	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-13.70	-0.0053	>=-2.5 & <=2.5	Pass
			20	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-12.30	-0.0047	>=-2.5 & <=2.5	Pass
			40	NV	-1.30	-0.0005	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
				HV	2.40	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-15.70	-0.0061	>=-2.5 & <=2.5	Pass
			10	NV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
			20	NV	8.80	0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-11.20	-0.0043	>=-2.5 & <=2.5	Pass
			0	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-16.70	-0.0064	>=-2.5 & <=2.5	Pass
			20	NV	-17.30	-0.0067	>=-2.5 & <=2.5	Pass
			30	NV	4.70	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	7.10	0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	3.50	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-10.90	-0.0042	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256	2592.99	Outer_Full	20	LV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass

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QAM				HV	2.80	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-15.20	-0.0059	>=-2.5 & <=2.5	Pass
			10	NV	3.00	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-13.00	-0.0050	>=-2.5 & <=2.5	Pass
			10	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	2.00	0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
				HV	3.00	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-13.40	-0.0052	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	5.10	0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	1.60	0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-11.20	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	8.50	0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-12.30	-0.0047	>=-2.5 & <=2.5	Pass
			20	NV	6.80	0.0026	>=-2.5 & <=2.5	Pass
			30	NV	5.90	0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass

2.1.2 30k_SISO_40MHz

5G NR n41 SCS=30kHz SISO 40MHz

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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	2592.99	Outer_Full	20	LV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
			10	NV	1.60	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-13.60	-0.0052	>=-2.5 & <=2.5	Pass
			30	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			40	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
				HV	1.30	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-16.70	-0.0064	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-12.40	-0.0048	>=-2.5 & <=2.5	Pass
			0	NV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-15.80	-0.0061	>=-2.5 & <=2.5	Pass
			30	NV	3.40	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	5.70	0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	4.50	0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass

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				HV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	7.00	0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	5.30	0.0020	>=-2.5 & <=2.5	Pass
			10	NV	4.60	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			30	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	2.70	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	4.70	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-1.60	-0.0006	>=-2.5 & <=2.5	Pass
			40	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-12.80	-0.0049	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	6.90	0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-13.50	-0.0052	>=-2.5 & <=2.5	Pass

2.1.3 30k_SISO_50MHz

5G NR n41 SCS=30kHz SISO 50MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2592.99	Outer_Full	20	LV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass

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			30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
				HV	4.50	0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-13.30	-0.0051	>=-2.5 & <=2.5	Pass
			10	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-13.70	-0.0053	>=-2.5 & <=2.5	Pass
			30	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-13.90	-0.0054	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-15.00	-0.0058	>=-2.5 & <=2.5	Pass
				HV	6.80	0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-12.50	-0.0048	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	5.50	0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-15.40	-0.0059	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass

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				HV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	10.10	0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-13.90	-0.0054	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-12.80	-0.0049	>=-2.5 & <=2.5	Pass
			30	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
				HV	5.60	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	8.10	0.0031	>=-2.5 & <=2.5	Pass
			40	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass

2.1.4 30k_SISO_60MHz

5G NR n41 SCS=30kHz SISO 60MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2592.99	Outer_Full	20	LV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-15.70	-0.0061	>=-2.5 & <=2.5	Pass
			0	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-13.40	-0.0052	>=-2.5 & <=2.5	Pass
				HV	-14.00	-0.0054	>=-2.5 & <=2.5	Pass
			0	NV	-22.40	-0.0086	>=-2.5 & <=2.5	Pass
			10	NV	-13.10	-0.0051	>=-2.5 & <=2.5	Pass
			20	NV	-13.60	-0.0052	>=-2.5 & <=2.5	Pass

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			30	NV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-15.00	-0.0058	>=-2.5 & <=2.5	Pass
			40	NV	4.60	0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-14.40	-0.0056	>=-2.5 & <=2.5	Pass
			0	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-19.40	-0.0075	>=-2.5 & <=2.5	Pass
			40	NV	8.40	0.0032	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-14.00	-0.0054	>=-2.5 & <=2.5	Pass
				HV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
			0	NV	8.20	0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-17.60	-0.0068	>=-2.5 & <=2.5	Pass
			30	NV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
			40	NV	3.10	0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	3.60	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-14.50	-0.0056	>=-2.5 & <=2.5	Pass
			20	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass

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				HV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	4.70	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	3.00	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	5.70	0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-16.50	-0.0064	>=-2.5 & <=2.5	Pass
				HV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	5.50	0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass

2.1.5 30k_SISO_80MHz

5G NR n41 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	2592.99	Outer_Full	20	LV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-13.20	-0.0051	>=-2.5 & <=2.5	Pass
			0	NV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-15.50	-0.0060	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			0	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			10	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-14.80	-0.0057	>=-2.5 & <=2.5	Pass

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			30	NV	-13.80	-0.0053	>=-2.5 & <=2.5	Pass
			40	NV	3.40	0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	2.50	0.0010	>=-2.5 & <=2.5	Pass
				HV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-12.00	-0.0046	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-11.60	-0.0045	>=-2.5 & <=2.5	Pass
			10	NV	-16.90	-0.0065	>=-2.5 & <=2.5	Pass
			20	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			30	NV	6.20	0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
				HV	7.50	0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	4.20	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	8.40	0.0032	>=-2.5 & <=2.5	Pass
			20	NV	5.00	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	1.80	0.0007	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass

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				HV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	6.40	0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	1.50	0.0006	>=-2.5 & <=2.5	Pass
			30	NV	4.70	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass

2.1.6 30k_SISO_90MHz

5G NR n41 SCS=30kHz SISO 90MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2592.99	Outer_Full	20	LV	-15.20	-0.0059	>=-2.5 & <=2.5	Pass
				HV	-14.20	-0.0055	>=-2.5 & <=2.5	Pass
			0	NV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
			10	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-14.90	-0.0057	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-15.50	-0.0060	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	6.30	0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-19.30	-0.0074	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0006	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	4.60	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-15.00	-0.0058	>=-2.5 & <=2.5	Pass
				HV	-13.30	-0.0051	>=-2.5 & <=2.5	Pass
			0	NV	-11.70	-0.0045	>=-2.5 & <=2.5	Pass
			10	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass

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			30	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-13.30	-0.0051	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
				HV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-12.50	-0.0048	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-12.00	-0.0046	>=-2.5 & <=2.5	Pass
			30	NV	7.30	0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-15.70	-0.0061	>=-2.5 & <=2.5	Pass
				HV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
				HV	-16.80	-0.0065	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-23.70	-0.0091	>=-2.5 & <=2.5	Pass
			0	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			10	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			20	NV	-16.20	-0.0062	>=-2.5 & <=2.5	Pass
			30	NV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass

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2.1.7 30k_SISO_100MHz

5G NR n41 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	2592.99	Outer_Full	20	LV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
				HV	-18.40	-0.0071	>=-2.5 & <=2.5	Pass
			0	NV	-13.10	-0.0051	>=-2.5 & <=2.5	Pass
			10	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			20	NV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			40	NV	-19.70	-0.0076	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-13.90	-0.0054	>=-2.5 & <=2.5	Pass
			0	NV	-17.40	-0.0067	>=-2.5 & <=2.5	Pass
			10	NV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
			20	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-13.00	-0.0050	>=-2.5 & <=2.5	Pass
			40	NV	-10.60	-0.0041	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			30	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-10.90	-0.0042	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
				HV	-11.20	-0.0043	>=-2.5 & <=2.5	Pass
			0	NV	2.90	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-13.10	-0.0051	>=-2.5 & <=2.5	Pass
			30	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
				HV	-15.70	-0.0061	>=-2.5 & <=2.5	Pass
			0	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass

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			30	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
				HV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-12.50	-0.0048	>=-2.5 & <=2.5	Pass
			10	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-12.30	-0.0047	>=-2.5 & <=2.5	Pass
			10	NV	-14.40	-0.0056	>=-2.5 & <=2.5	Pass
			20	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-13.30	-0.0051	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-15.70	-0.0061	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_20MHz_NTNV

5G NR n41 SCS=30kHz SISO 20MHz NTNV

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Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2506.02	Outer_Full	18.15	20.10	/	Pass
	2592.99	Outer_Full	18.12	20.17	/	Pass
	2679.99	Outer_Full	18.18	19.85	/	Pass
DFT-s-OFDM QPSK	2506.02	Outer_Full	18.09	19.92	/	Pass
	2592.99	Outer_Full	18.11	20.06	/	Pass
	2679.99	Outer_Full	18.16	20.13	/	Pass
DFT-s-OFDM 16 QAM	2506.02	Outer_Full	18.11	20.02	/	Pass
	2592.99	Outer_Full	18.12	20.13	/	Pass
	2679.99	Outer_Full	18.14	20.10	/	Pass
DFT-s-OFDM 64 QAM	2506.02	Outer_Full	18.15	20.06	/	Pass
	2592.99	Outer_Full	18.15	20.08	/	Pass
	2679.99	Outer_Full	18.14	20.19	/	Pass
DFT-s-OFDM 256 QAM	2506.02	Outer_Full	18.10	20.15	/	Pass
	2592.99	Outer_Full	18.14	20.16	/	Pass
	2679.99	Outer_Full	18.12	20.07	/	Pass
CP-OFDM QPSK	2506.02	Outer_Full	18.45	20.54	/	Pass
	2592.99	Outer_Full	18.48	20.34	/	Pass
	2679.99	Outer_Full	18.47	21.88	/	Pass
CP-OFDM 16 QAM	2506.02	Outer_Full	18.47	20.79	/	Pass
	2592.99	Outer_Full	18.52	20.63	/	Pass
	2679.99	Outer_Full	18.45	21.75	/	Pass
CP-OFDM 64 QAM	2506.02	Outer_Full	18.48	20.52	/	Pass
	2592.99	Outer_Full	18.50	20.59	/	Pass
	2679.99	Outer_Full	18.46	20.36	/	Pass
CP-OFDM 256 QAM	2506.02	Outer_Full	18.39	20.18	/	Pass
	2592.99	Outer_Full	18.51	20.39	/	Pass
	2679.99	Outer_Full	18.46	20.27	/	Pass

3.1.2 30k_SISO_40MHz_NTNV

5G NR n41 SCS=30kHz SISO 40MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2516.01	Outer_Full	35.99	38.84	/	Pass
	2592.99	Outer_Full	36.11	38.90	/	Pass
	2670	Outer_Full	36.13	38.72	/	Pass

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DFT-s-OFDM QPSK	2516.01	Outer_Full	36.04	39.09	/	Pass
	2592.99	Outer_Full	36.22	39.09	/	Pass
	2670	Outer_Full	36.05	38.99	/	Pass
DFT-s-OFDM 16 QAM	2516.01	Outer_Full	36.10	38.91	/	Pass
	2592.99	Outer_Full	36.16	39.10	/	Pass
	2670	Outer_Full	36.07	38.88	/	Pass
DFT-s-OFDM 64 QAM	2516.01	Outer_Full	36.02	38.94	/	Pass
	2592.99	Outer_Full	36.17	39.07	/	Pass
	2670	Outer_Full	36.05	39.07	/	Pass
DFT-s-OFDM 256 QAM	2516.01	Outer_Full	35.97	39.01	/	Pass
	2592.99	Outer_Full	36.10	38.67	/	Pass
	2670	Outer_Full	36.06	38.97	/	Pass
CP-OFDM QPSK	2516.01	Outer_Full	38.15	41.02	/	Pass
	2592.99	Outer_Full	38.24	41.05	/	Pass
	2670	Outer_Full	38.18	41.19	/	Pass
CP-OFDM 16 QAM	2516.01	Outer_Full	38.13	41.07	/	Pass
	2592.99	Outer_Full	38.18	41.09	/	Pass
	2670	Outer_Full	38.17	40.90	/	Pass
CP-OFDM 64 QAM	2516.01	Outer_Full	38.09	41.04	/	Pass
	2592.99	Outer_Full	38.25	41.17	/	Pass
	2670	Outer_Full	38.26	41.20	/	Pass
CP-OFDM 256 QAM	2516.01	Outer_Full	38.29	40.81	/	Pass
	2592.99	Outer_Full	38.23	40.97	/	Pass
	2670	Outer_Full	38.12	41.02	/	Pass

3.1.3 30k_SISO_50MHz_NTNV

5G NR n41 SCS=30kHz SISO 50MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2521.02	Outer_Full	46.13	49.41	/	Pass
	2592.99	Outer_Full	46.26	49.38	/	Pass
	2664.99	Outer_Full	46.20	49.35	/	Pass
DFT-s-OFDM QPSK	2521.02	Outer_Full	46.20	49.61	/	Pass
	2592.99	Outer_Full	46.06	49.57	/	Pass
	2664.99	Outer_Full	46.13	49.59	/	Pass
DFT-s-OFDM 16 QAM	2521.02	Outer_Full	46.05	49.45	/	Pass
	2592.99	Outer_Full	46.23	49.60	/	Pass

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	2664.99	Outer_Full	46.17	49.45	/	Pass
DFT-s-OFDM 64 QAM	2521.02	Outer_Full	46.31	49.48	/	Pass
	2592.99	Outer_Full	46.26	49.40	/	Pass
	2664.99	Outer_Full	46.23	49.40	/	Pass
DFT-s-OFDM 256 QAM	2521.02	Outer_Full	46.12	49.35	/	Pass
	2592.99	Outer_Full	46.11	49.63	/	Pass
	2664.99	Outer_Full	46.08	49.53	/	Pass
CP-OFDM QPSK	2521.02	Outer_Full	47.75	51.12	/	Pass
	2592.99	Outer_Full	48.03	51.22	/	Pass
	2664.99	Outer_Full	47.88	51.23	/	Pass
CP-OFDM 16 QAM	2521.02	Outer_Full	47.93	51.39	/	Pass
	2592.99	Outer_Full	47.98	51.42	/	Pass
	2664.99	Outer_Full	47.91	51.38	/	Pass
CP-OFDM 64 QAM	2521.02	Outer_Full	47.91	51.11	/	Pass
	2592.99	Outer_Full	47.92	51.53	/	Pass
	2664.99	Outer_Full	48.00	51.26	/	Pass
CP-OFDM 256 QAM	2521.02	Outer_Full	47.82	51.14	/	Pass
	2592.99	Outer_Full	47.83	51.18	/	Pass
	2664.99	Outer_Full	47.94	51.10	/	Pass

3.1.4 30k_SISO_60MHz_NTNV

5G NR n41 SCS=30kHz SISO 60MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2526	Outer_Full	58.42	62.37	/	Pass
	2592.99	Outer_Full	58.45	62.38	/	Pass
	2659.98	Outer_Full	58.40	62.22	/	Pass
DFT-s-OFDM QPSK	2526	Outer_Full	58.43	62.48	/	Pass
	2592.99	Outer_Full	58.47	62.37	/	Pass
	2659.98	Outer_Full	58.45	62.51	/	Pass
DFT-s-OFDM 16 QAM	2526	Outer_Full	58.37	62.43	/	Pass
	2592.99	Outer_Full	58.35	62.52	/	Pass
	2659.98	Outer_Full	58.42	62.34	/	Pass
DFT-s-OFDM 64 QAM	2526	Outer_Full	58.24	62.35	/	Pass
	2592.99	Outer_Full	58.42	62.43	/	Pass
	2659.98	Outer_Full	58.32	62.39	/	Pass
DFT-s-OFDM 256 QAM	2526	Outer_Full	58.41	62.34	/	Pass

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	2592.99	Outer_Full	58.28	62.56	/	Pass
	2659.98	Outer_Full	58.44	62.23	/	Pass
CP-OFDM QPSK	2526	Outer_Full	58.28	62.50	/	Pass
	2592.99	Outer_Full	58.38	62.33	/	Pass
	2659.98	Outer_Full	58.43	62.43	/	Pass
CP-OFDM 16 QAM	2526	Outer_Full	58.46	62.45	/	Pass
	2592.99	Outer_Full	58.44	62.42	/	Pass
	2659.98	Outer_Full	58.36	62.54	/	Pass
CP-OFDM 64 QAM	2526	Outer_Full	58.41	62.34	/	Pass
	2592.99	Outer_Full	58.44	62.55	/	Pass
	2659.98	Outer_Full	58.89	61.80	/	Pass
CP-OFDM 256 QAM	2526	Outer_Full	58.38	62.28	/	Pass
	2592.99	Outer_Full	58.48	62.32	/	Pass
	2659.98	Outer_Full	58.33	62.40	/	Pass

3.1.5 30k_SISO_80MHz_NTNV

5G NR n41 SCS=30kHz SISO 80MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2536.02	Outer_Full	77.83	82.89	/	Pass
	2592.99	Outer_Full	77.73	82.97	/	Pass
	2649.99	Outer_Full	77.92	82.91	/	Pass
DFT-s-OFDM QPSK	2536.02	Outer_Full	77.85	83.25	/	Pass
	2592.99	Outer_Full	77.74	83.14	/	Pass
	2649.99	Outer_Full	77.96	83.20	/	Pass
DFT-s-OFDM 16 QAM	2536.02	Outer_Full	77.72	83.05	/	Pass
	2592.99	Outer_Full	77.80	82.98	/	Pass
	2649.99	Outer_Full	77.97	83.44	/	Pass
DFT-s-OFDM 64 QAM	2536.02	Outer_Full	77.87	83.01	/	Pass
	2592.99	Outer_Full	77.76	83.00	/	Pass
	2649.99	Outer_Full	77.88	83.11	/	Pass
DFT-s-OFDM 256 QAM	2536.02	Outer_Full	77.84	82.91	/	Pass
	2592.99	Outer_Full	77.61	82.96	/	Pass
	2649.99	Outer_Full	77.60	83.08	/	Pass
CP-OFDM QPSK	2536.02	Outer_Full	78.03	83.39	/	Pass
	2592.99	Outer_Full	77.97	83.52	/	Pass
	2649.99	Outer_Full	78.16	83.49	/	Pass

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CP-OFDM 16 QAM	2536.02	Outer_Full	78.11	83.52	/	Pass
	2592.99	Outer_Full	78.10	83.42	/	Pass
	2649.99	Outer_Full	78.14	83.49	/	Pass
CP-OFDM 64 QAM	2536.02	Outer_Full	78.07	83.49	/	Pass
	2592.99	Outer_Full	78.69	82.84	/	Pass
	2649.99	Outer_Full	78.36	83.57	/	Pass
CP-OFDM 256 QAM	2536.02	Outer_Full	78.08	83.14	/	Pass
	2592.99	Outer_Full	77.94	83.29	/	Pass
	2649.99	Outer_Full	78.07	83.52	/	Pass

3.1.6 30k_SISO_90MHz_NTNV

5G NR n41 SCS=30kHz SISO 90MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2541	Outer_Full	87.39	93.19	/	Pass
	2592.99	Outer_Full	87.27	92.77	/	Pass
	2644.98	Outer_Full	88.39	93.23	/	Pass
DFT-s-OFDM QPSK	2541	Outer_Full	87.40	93.20	/	Pass
	2592.99	Outer_Full	87.46	93.37	/	Pass
	2644.98	Outer_Full	87.52	93.45	/	Pass
DFT-s-OFDM 16 QAM	2541	Outer_Full	87.38	93.42	/	Pass
	2592.99	Outer_Full	87.17	93.41	/	Pass
	2644.98	Outer_Full	87.39	93.41	/	Pass
DFT-s-OFDM 64 QAM	2541	Outer_Full	87.40	93.28	/	Pass
	2592.99	Outer_Full	87.25	93.41	/	Pass
	2644.98	Outer_Full	87.62	93.29	/	Pass
DFT-s-OFDM 256 QAM	2541	Outer_Full	87.41	93.19	/	Pass
	2592.99	Outer_Full	87.32	93.11	/	Pass
	2644.98	Outer_Full	87.56	93.17	/	Pass
CP-OFDM QPSK	2541	Outer_Full	88.02	94.04	/	Pass
	2592.99	Outer_Full	87.98	94.08	/	Pass
	2644.98	Outer_Full	88.15	94.37	/	Pass
CP-OFDM 16 QAM	2541	Outer_Full	88.13	94.09	/	Pass
	2592.99	Outer_Full	88.12	94.15	/	Pass
	2644.98	Outer_Full	88.37	94.69	/	Pass
CP-OFDM 64 QAM	2541	Outer_Full	88.05	94.08	/	Pass
	2592.99	Outer_Full	88.06	93.94	/	Pass

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	2644.98	Outer_Full	88.24	94.17	/	Pass
CP-OFDM 256 QAM	2541	Outer_Full	87.84	93.83	/	Pass
	2592.99	Outer_Full	87.92	93.84	/	Pass
	2644.98	Outer_Full	88.41	94.12	/	Pass

3.1.7 30k_SISO_100MHz_NTNV

5G NR n41 SCS=30kHz SISO 100MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2546.01	Outer_Full	97.20	103.55	/	Pass
	2592.99	Outer_Full	97.26	103.61	/	Pass
	2640	Outer_Full	97.20	103.47	/	Pass
DFT-s-OFDM QPSK	2546.01	Outer_Full	97.48	103.84	/	Pass
	2592.99	Outer_Full	97.32	103.99	/	Pass
	2640	Outer_Full	97.44	104.00	/	Pass
DFT-s-OFDM 16 QAM	2546.01	Outer_Full	97.31	103.76	/	Pass
	2592.99	Outer_Full	97.16	103.86	/	Pass
	2640	Outer_Full	97.24	103.88	/	Pass
DFT-s-OFDM 64 QAM	2546.01	Outer_Full	98.18	103.70	/	Pass
	2592.99	Outer_Full	97.15	103.75	/	Pass
	2640	Outer_Full	97.24	104.05	/	Pass
DFT-s-OFDM 256 QAM	2546.01	Outer_Full	97.00	103.65	/	Pass
	2592.99	Outer_Full	96.95	103.67	/	Pass
	2640	Outer_Full	97.23	103.64	/	Pass
CP-OFDM QPSK	2546.01	Outer_Full	98.38	104.92	/	Pass
	2592.99	Outer_Full	98.11	104.76	/	Pass
	2640	Outer_Full	98.30	104.86	/	Pass
CP-OFDM 16 QAM	2546.01	Outer_Full	98.07	104.81	/	Pass
	2592.99	Outer_Full	98.22	104.71	/	Pass
	2640	Outer_Full	98.28	104.97	/	Pass
CP-OFDM 64 QAM	2546.01	Outer_Full	98.36	104.70	/	Pass
	2592.99	Outer_Full	97.96	104.84	/	Pass
	2640	Outer_Full	98.36	104.69	/	Pass
CP-OFDM 256 QAM	2546.01	Outer_Full	98.05	104.72	/	Pass
	2592.99	Outer_Full	98.12	104.89	/	Pass
	2640	Outer_Full	98.30	104.68	/	Pass

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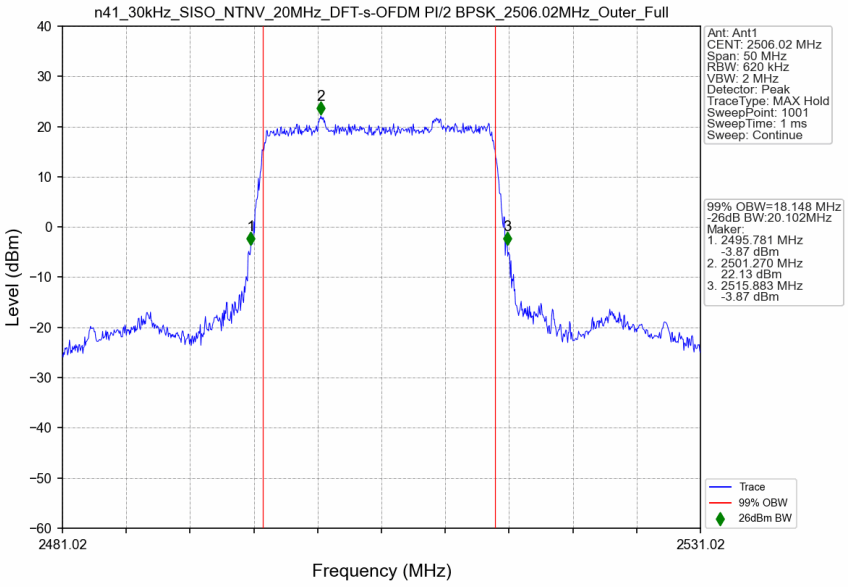
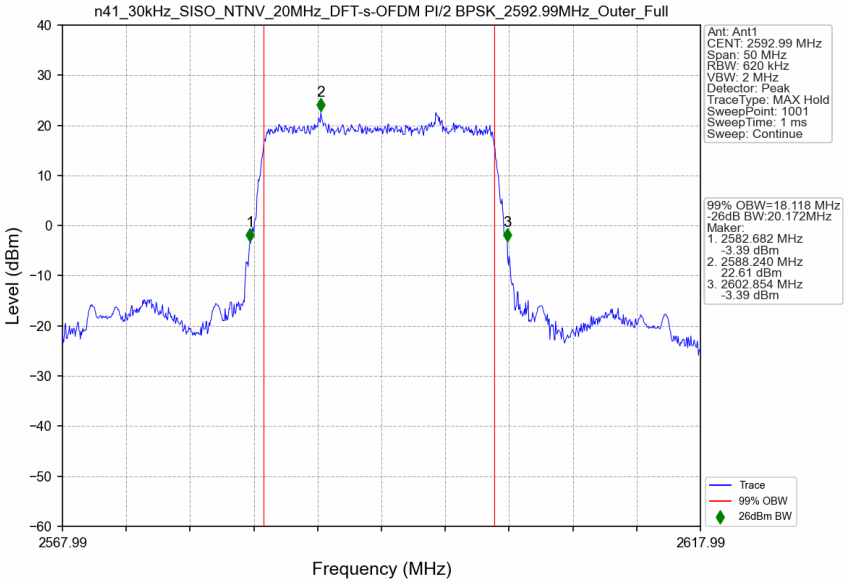
3.2 Test Graph

3.2.1 30k_SISO_20MHz_NTNV

n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_2506.02MHz_Outer_Full



n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_2592.99MHz_Outer_Full



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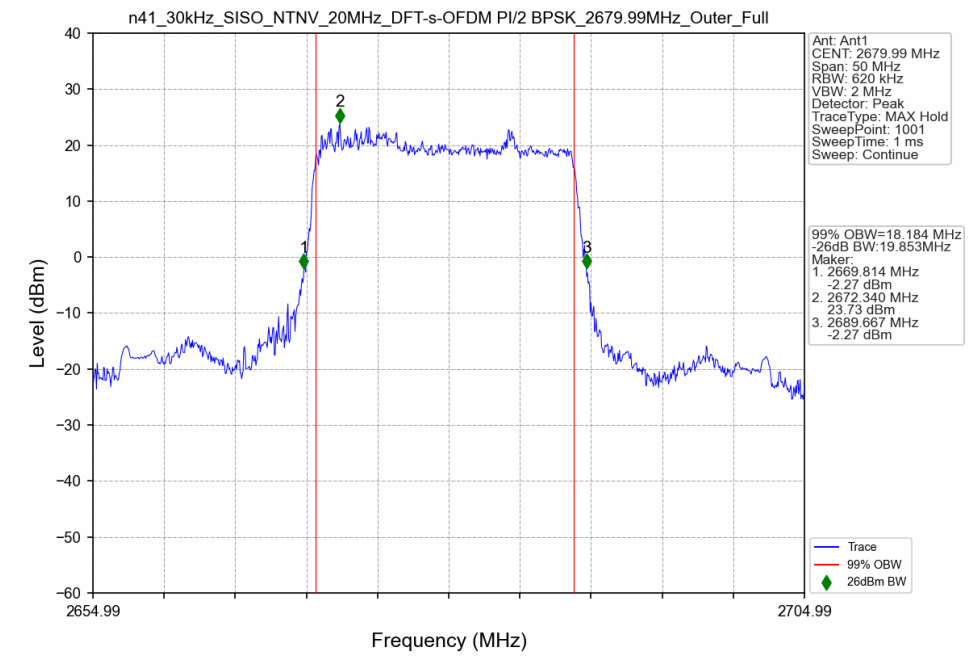
n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_2679.99MHz_Outer_Full



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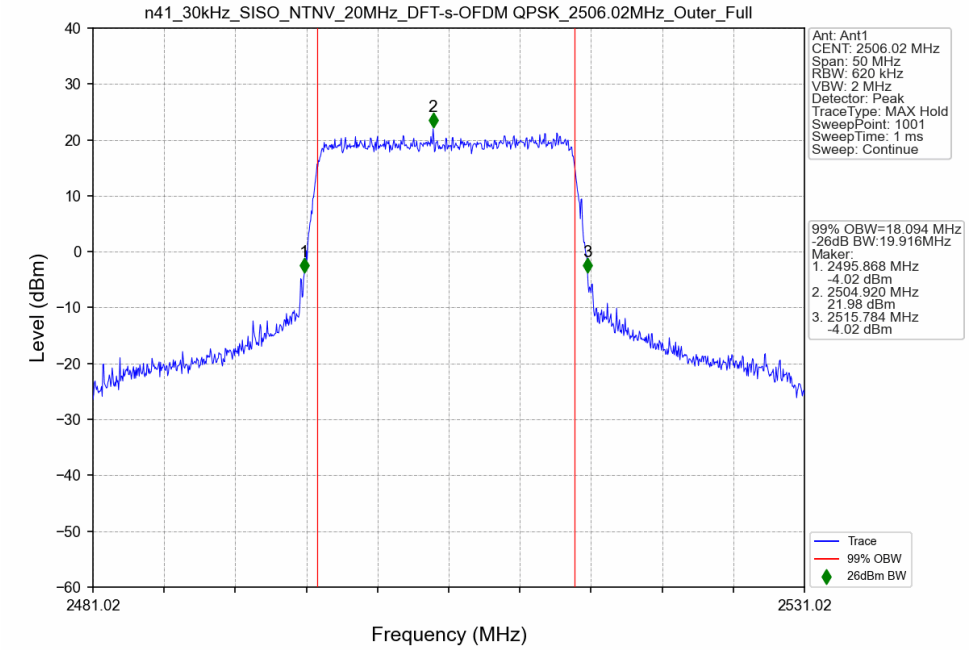

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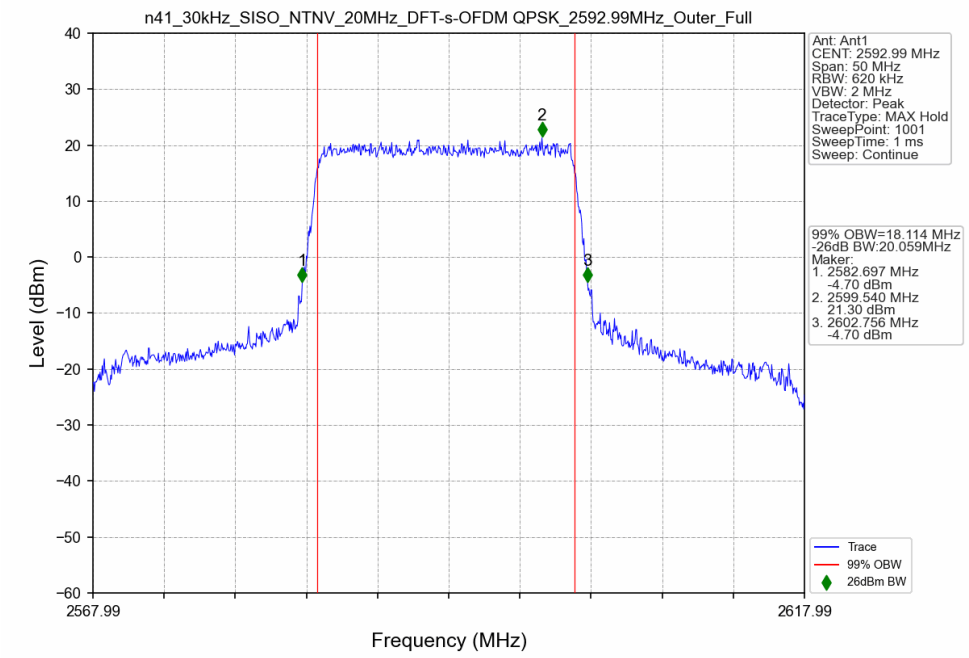
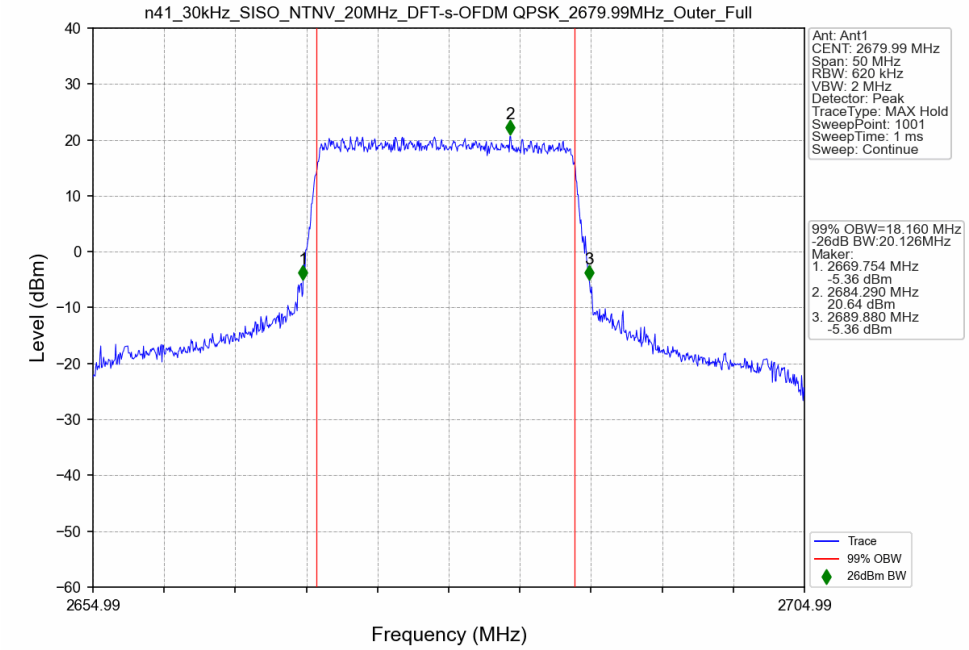
n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_2679.99MHz_Outer_Full



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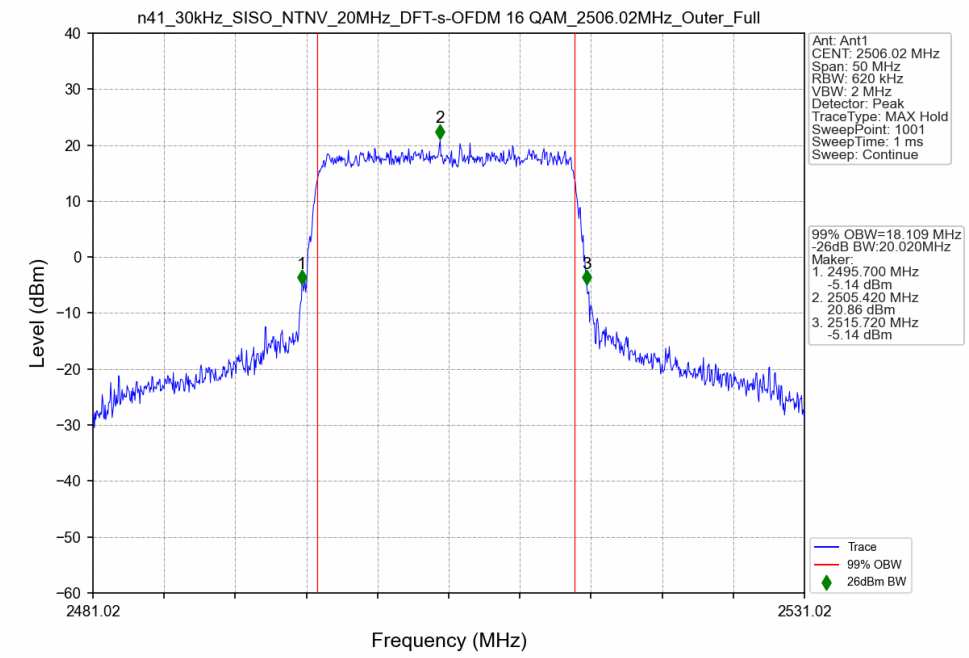
n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_2506.02MHz_Outer_Full



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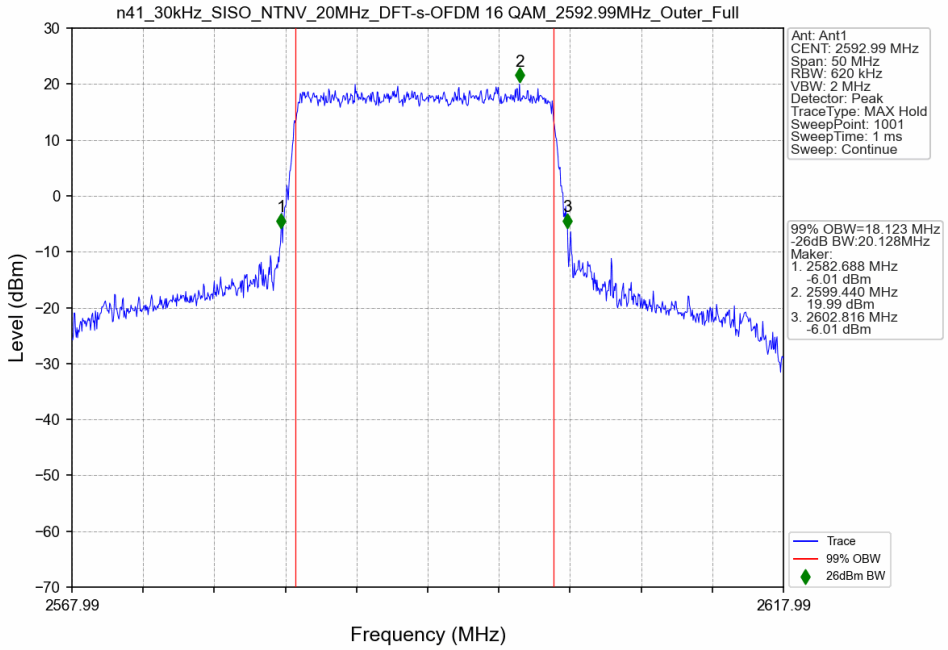

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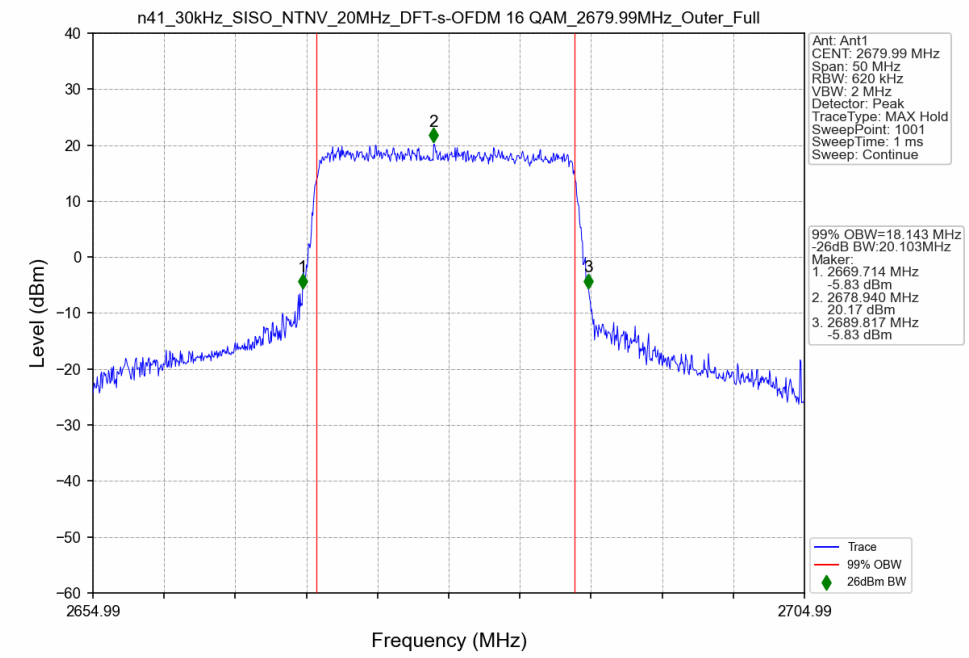
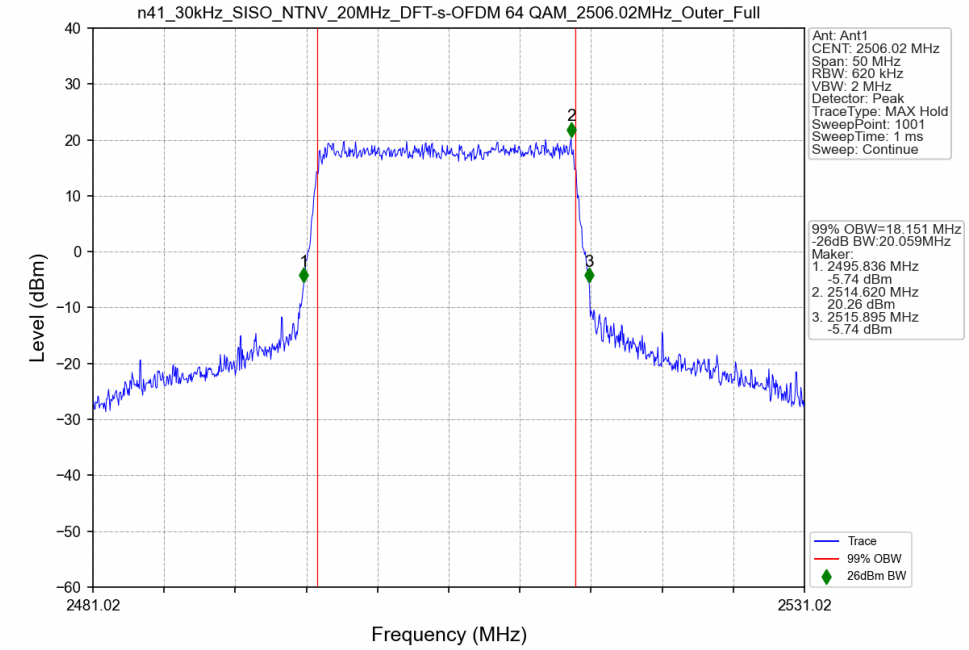
n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_2679.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_2506.02MHz_Outer_Full



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