

Appendix C.2

LTE Band n2



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Wireless Laboratory

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1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_EIRP

5G NR n2 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1852.5	Edge_1RB_Left	23.01	/	/	27.49	/	/	<=33	Pass
		Edge_1RB_Right	22.94	/	/	27.42	/	/	<=33	Pass
		Outer_Full	23.08	/	/	27.56	/	/	<=33	Pass
		Inner_Full	23.06	/	/	27.54	/	/	<=33	Pass
		Inner_1RB_Left	23.09	/	/	27.57	/	/	<=33	Pass
		Inner_1RB_Right	22.99	/	/	27.47	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.75	/	/	27.23	/	/	<=33	Pass
		Edge_1RB_Right	22.63	/	/	27.11	/	/	<=33	Pass
		Outer_Full	22.73	/	/	27.21	/	/	<=33	Pass
		Inner_Full	22.82	/	/	27.3	/	/	<=33	Pass
		Inner_1RB_Left	22.83	/	/	27.31	/	/	<=33	Pass
		Inner_1RB_Right	22.63	/	/	27.11	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	23.22	/	/	27.7	/	/	<=33	Pass
		Edge_1RB_Right	23.13	/	/	27.61	/	/	<=33	Pass
		Outer_Full	23.22	/	/	27.7	/	/	<=33	Pass
		Inner_Full	23.22	/	/	27.7	/	/	<=33	Pass
		Inner_1RB_Left	23.16	/	/	27.64	/	/	<=33	Pass
		Inner_1RB_Right	23.11	/	/	27.59	/	/	<=33	Pass
DFT-s-OFDM QPSK	1852.5	Edge_1RB_Left	23.06	/	/	27.54	/	/	<=33	Pass
		Edge_1RB_Right	22.91	/	/	27.39	/	/	<=33	Pass
		Outer_Full	23.07	/	/	27.55	/	/	<=33	Pass
		Inner_Full	23.00	/	/	27.48	/	/	<=33	Pass
		Inner_1RB_Left	23.14	/	/	27.62	/	/	<=33	Pass
		Inner_1RB_Right	22.99	/	/	27.47	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.84	/	/	27.32	/	/	<=33	Pass
		Edge_1RB_Right	22.68	/	/	27.16	/	/	<=33	Pass
		Outer_Full	22.80	/	/	27.28	/	/	<=33	Pass
		Inner_Full	22.81	/	/	27.29	/	/	<=33	Pass
		Inner_1RB_Left	22.85	/	/	27.33	/	/	<=33	Pass



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	1907.5	Inner_1RB_Right	22.69	/	/	27.17	/	/	<=33	Pass
		Edge_1RB_Left	23.20	/	/	27.68	/	/	<=33	Pass
		Edge_1RB_Right	23.13	/	/	27.61	/	/	<=33	Pass
		Outer_Full	23.23	/	/	27.71	/	/	<=33	Pass
		Inner_Full	23.22	/	/	27.7	/	/	<=33	Pass
		Inner_1RB_Left	23.13	/	/	27.61	/	/	<=33	Pass
		Inner_1RB_Right	23.14	/	/	27.62	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1852.5	Edge_1RB_Left	22.27	/	/	26.75	/	/	<=33	Pass
		Edge_1RB_Right	22.12	/	/	26.6	/	/	<=33	Pass
		Outer_Full	21.96	/	/	26.44	/	/	<=33	Pass
		Inner_Full	23.04	/	/	27.52	/	/	<=33	Pass
		Inner_1RB_Left	23.08	/	/	27.56	/	/	<=33	Pass
		Inner_1RB_Right	22.89	/	/	27.37	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.82	/	/	26.3	/	/	<=33	Pass
		Edge_1RB_Right	21.67	/	/	26.15	/	/	<=33	Pass
		Outer_Full	21.78	/	/	26.26	/	/	<=33	Pass
		Inner_Full	22.83	/	/	27.31	/	/	<=33	Pass
		Inner_1RB_Left	22.99	/	/	27.47	/	/	<=33	Pass
		Inner_1RB_Right	22.77	/	/	27.25	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	21.98	/	/	26.46	/	/	<=33	Pass
		Edge_1RB_Right	22.01	/	/	26.49	/	/	<=33	Pass
		Outer_Full	22.17	/	/	26.65	/	/	<=33	Pass
		Inner_Full	23.16	/	/	27.64	/	/	<=33	Pass
		Inner_1RB_Left	23.01	/	/	27.49	/	/	<=33	Pass
		Inner_1RB_Right	23.31	/	/	27.79	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1852.5	Edge_1RB_Left	21.42	/	/	25.9	/	/	<=33	Pass
		Edge_1RB_Right	21.59	/	/	26.07	/	/	<=33	Pass
		Outer_Full	21.46	/	/	25.94	/	/	<=33	Pass
		Inner_Full	21.54	/	/	26.02	/	/	<=33	Pass
		Inner_1RB_Left	21.63	/	/	26.11	/	/	<=33	Pass
		Inner_1RB_Right	21.25	/	/	25.73	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.17	/	/	25.65	/	/	<=33	Pass
		Edge_1RB_Right	21.25	/	/	25.73	/	/	<=33	Pass
		Outer_Full	21.30	/	/	25.78	/	/	<=33	Pass
		Inner_Full	21.33	/	/	25.81	/	/	<=33	Pass
		Inner_1RB_Left	21.64	/	/	26.12	/	/	<=33	Pass
		Inner_1RB_Right	21.23	/	/	25.71	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	21.43	/	/	25.91	/	/	<=33	Pass



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		Edge_1RB_Right	21.82	/	/	26.3	/	/	<=33	Pass
		Outer_Full	21.65	/	/	26.13	/	/	<=33	Pass
		Inner_Full	21.61	/	/	26.09	/	/	<=33	Pass
		Inner_1RB_Left	21.62	/	/	26.1	/	/	<=33	Pass
		Inner_1RB_Right	21.57	/	/	26.05	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1852.5	Edge_1RB_Left	19.62	/	/	24.1	/	/	<=33	Pass
		Edge_1RB_Right	19.48	/	/	23.96	/	/	<=33	Pass
		Outer_Full	19.54	/	/	24.02	/	/	<=33	Pass
		Inner_Full	19.66	/	/	24.14	/	/	<=33	Pass
		Inner_1RB_Left	19.53	/	/	24.01	/	/	<=33	Pass
		Inner_1RB_Right	19.39	/	/	23.87	/	/	<=33	Pass
	1880	Edge_1RB_Left	19.44	/	/	23.92	/	/	<=33	Pass
		Edge_1RB_Right	19.13	/	/	23.61	/	/	<=33	Pass
		Outer_Full	19.33	/	/	23.81	/	/	<=33	Pass
		Inner_Full	19.34	/	/	23.82	/	/	<=33	Pass
		Inner_1RB_Left	19.53	/	/	24.01	/	/	<=33	Pass
		Inner_1RB_Right	19.28	/	/	23.76	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	19.67	/	/	24.15	/	/	<=33	Pass
		Edge_1RB_Right	19.82	/	/	24.3	/	/	<=33	Pass
		Outer_Full	19.74	/	/	24.22	/	/	<=33	Pass
		Inner_Full	19.80	/	/	24.28	/	/	<=33	Pass
		Inner_1RB_Left	19.64	/	/	24.12	/	/	<=33	Pass
		Inner_1RB_Right	19.54	/	/	24.02	/	/	<=33	Pass
CP-OFDM QPSK	1852.5	Edge_1RB_Left	21.03	/	/	25.51	/	/	<=33	Pass
		Edge_1RB_Right	20.99	/	/	25.47	/	/	<=33	Pass
		Outer_Full	21.06	/	/	25.54	/	/	<=33	Pass
		Inner_Full	22.70	/	/	27.18	/	/	<=33	Pass
		Inner_1RB_Left	22.57	/	/	27.05	/	/	<=33	Pass
		Inner_1RB_Right	22.56	/	/	27.04	/	/	<=33	Pass
	1880	Edge_1RB_Left	20.81	/	/	25.29	/	/	<=33	Pass
		Edge_1RB_Right	20.70	/	/	25.18	/	/	<=33	Pass
		Outer_Full	20.81	/	/	25.29	/	/	<=33	Pass
		Inner_Full	22.32	/	/	26.8	/	/	<=33	Pass
		Inner_1RB_Left	22.22	/	/	26.7	/	/	<=33	Pass
		Inner_1RB_Right	22.79	/	/	27.27	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	21.16	/	/	25.64	/	/	<=33	Pass
		Edge_1RB_Right	21.06	/	/	25.54	/	/	<=33	Pass
		Outer_Full	21.27	/	/	25.75	/	/	<=33	Pass



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CP-OFDM 16 QAM		Inner_Full	22.82	/	/	27.3	/	/	<=33	Pass
		Inner_1RB_Left	23.23	/	/	27.71	/	/	<=33	Pass
		Inner_1RB_Right	22.95	/	/	27.43	/	/	<=33	Pass
	1852.5	Edge_1RB_Left	21.05	/	/	25.53	/	/	<=33	Pass
		Edge_1RB_Right	21.15	/	/	25.63	/	/	<=33	Pass
		Outer_Full	21.01	/	/	25.49	/	/	<=33	Pass
		Inner_Full	21.98	/	/	26.46	/	/	<=33	Pass
		Inner_1RB_Left	22.01	/	/	26.49	/	/	<=33	Pass
		Inner_1RB_Right	22.04	/	/	26.52	/	/	<=33	Pass
	1880	Edge_1RB_Left	20.88	/	/	25.36	/	/	<=33	Pass
		Edge_1RB_Right	20.70	/	/	25.18	/	/	<=33	Pass
		Outer_Full	20.78	/	/	25.26	/	/	<=33	Pass
		Inner_Full	21.82	/	/	26.3	/	/	<=33	Pass
		Inner_1RB_Left	21.74	/	/	26.22	/	/	<=33	Pass
		Inner_1RB_Right	21.84	/	/	26.32	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	21.39	/	/	25.87	/	/	<=33	Pass
		Edge_1RB_Right	21.17	/	/	25.65	/	/	<=33	Pass
		Outer_Full	21.10	/	/	25.58	/	/	<=33	Pass
		Inner_Full	22.22	/	/	26.7	/	/	<=33	Pass
		Inner_1RB_Left	22.30	/	/	26.78	/	/	<=33	Pass
		Inner_1RB_Right	22.27	/	/	26.75	/	/	<=33	Pass
CP-OFDM 64 QAM	1852.5	Edge_1RB_Left	20.52	/	/	25	/	/	<=33	Pass
		Edge_1RB_Right	20.39	/	/	24.87	/	/	<=33	Pass
		Outer_Full	20.53	/	/	25.01	/	/	<=33	Pass
		Inner_Full	20.55	/	/	25.03	/	/	<=33	Pass
		Inner_1RB_Left	20.54	/	/	25.02	/	/	<=33	Pass
		Inner_1RB_Right	20.65	/	/	25.13	/	/	<=33	Pass
	1880	Edge_1RB_Left	20.23	/	/	24.71	/	/	<=33	Pass
		Edge_1RB_Right	20.20	/	/	24.68	/	/	<=33	Pass
		Outer_Full	20.27	/	/	24.75	/	/	<=33	Pass
		Inner_Full	20.36	/	/	24.84	/	/	<=33	Pass
		Inner_1RB_Left	20.26	/	/	24.74	/	/	<=33	Pass
		Inner_1RB_Right	20.57	/	/	25.05	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	20.48	/	/	24.96	/	/	<=33	Pass
		Edge_1RB_Right	20.51	/	/	24.99	/	/	<=33	Pass
		Outer_Full	20.60	/	/	25.08	/	/	<=33	Pass
		Inner_Full	20.60	/	/	25.08	/	/	<=33	Pass
		Inner_1RB_Left	20.57	/	/	25.05	/	/	<=33	Pass



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		Inner_1RB_Right	20.60	/	/	25.08	/	/	<=33	Pass
CP-OFDM 256 QAM	1852.5	Edge_1RB_Left	17.53	/	/	22.01	/	/	<=33	Pass
		Edge_1RB_Right	17.45	/	/	21.93	/	/	<=33	Pass
		Outer_Full	17.53	/	/	22.01	/	/	<=33	Pass
		Inner_Full	17.53	/	/	22.01	/	/	<=33	Pass
		Inner_1RB_Left	17.63	/	/	22.11	/	/	<=33	Pass
		Inner_1RB_Right	17.50	/	/	21.98	/	/	<=33	Pass
	1880	Edge_1RB_Left	17.31	/	/	21.79	/	/	<=33	Pass
		Edge_1RB_Right	17.32	/	/	21.8	/	/	<=33	Pass
		Outer_Full	17.33	/	/	21.81	/	/	<=33	Pass
		Inner_Full	17.19	/	/	21.67	/	/	<=33	Pass
		Inner_1RB_Left	17.49	/	/	21.97	/	/	<=33	Pass
		Inner_1RB_Right	17.10	/	/	21.58	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	17.87	/	/	22.35	/	/	<=33	Pass
		Edge_1RB_Right	17.86	/	/	22.34	/	/	<=33	Pass
		Outer_Full	17.70	/	/	22.18	/	/	<=33	Pass
		Inner_Full	17.69	/	/	22.17	/	/	<=33	Pass
		Inner_1RB_Left	17.66	/	/	22.14	/	/	<=33	Pass
		Inner_1RB_Right	17.57	/	/	22.05	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: 4.48dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15k_SISO_10MHz_NTNV_EIRP

5G NR n2 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1855	Edge_1RB_Left	23.07	/	/	27.55	/	/	<=33	Pass
		Edge_1RB_Right	23.06	/	/	27.54	/	/	<=33	Pass
		Outer_Full	23.08	/	/	27.56	/	/	<=33	Pass
		Inner_Full	23.21	/	/	27.69	/	/	<=33	Pass
		Inner_1RB_Left	23.09	/	/	27.57	/	/	<=33	Pass
		Inner_1RB_Right	23.06	/	/	27.54	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.75	/	/	27.23	/	/	<=33	Pass
		Edge_1RB_Right	22.75	/	/	27.23	/	/	<=33	Pass
		Outer_Full	22.79	/	/	27.27	/	/	<=33	Pass
		Inner_Full	22.76	/	/	27.24	/	/	<=33	Pass
		Inner_1RB_Left	22.83	/	/	27.31	/	/	<=33	Pass



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	1905	Inner_1RB_Right	22.68	/	/	27.16	/	/	<=33	Pass
		Edge_1RB_Left	23.24	/	/	27.72	/	/	<=33	Pass
		Edge_1RB_Right	23.08	/	/	27.56	/	/	<=33	Pass
		Outer_Full	23.13	/	/	27.61	/	/	<=33	Pass
		Inner_Full	23.16	/	/	27.64	/	/	<=33	Pass
		Inner_1RB_Left	23.21	/	/	27.69	/	/	<=33	Pass
		Inner_1RB_Right	23.15	/	/	27.63	/	/	<=33	Pass
DFT-s-OFDM QPSK	1855	Edge_1RB_Left	23.05	/	/	27.53	/	/	<=33	Pass
		Edge_1RB_Right	23.05	/	/	27.53	/	/	<=33	Pass
		Outer_Full	23.17	/	/	27.65	/	/	<=33	Pass
		Inner_Full	23.25	/	/	27.73	/	/	<=33	Pass
		Inner_1RB_Left	23.22	/	/	27.7	/	/	<=33	Pass
		Inner_1RB_Right	23.05	/	/	27.53	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.88	/	/	27.36	/	/	<=33	Pass
		Edge_1RB_Right	22.88	/	/	27.36	/	/	<=33	Pass
		Outer_Full	22.84	/	/	27.32	/	/	<=33	Pass
		Inner_Full	22.78	/	/	27.26	/	/	<=33	Pass
		Inner_1RB_Left	22.92	/	/	27.4	/	/	<=33	Pass
		Inner_1RB_Right	22.69	/	/	27.17	/	/	<=33	Pass
	1905	Edge_1RB_Left	23.04	/	/	27.52	/	/	<=33	Pass
		Edge_1RB_Right	23.27	/	/	27.75	/	/	<=33	Pass
		Outer_Full	23.10	/	/	27.58	/	/	<=33	Pass
		Inner_Full	23.15	/	/	27.63	/	/	<=33	Pass
		Inner_1RB_Left	23.18	/	/	27.66	/	/	<=33	Pass
		Inner_1RB_Right	23.22	/	/	27.7	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1855	Edge_1RB_Left	22.21	/	/	26.69	/	/	<=33	Pass
		Edge_1RB_Right	21.97	/	/	26.45	/	/	<=33	Pass
		Outer_Full	22.12	/	/	26.6	/	/	<=33	Pass
		Inner_Full	23.07	/	/	27.55	/	/	<=33	Pass
		Inner_1RB_Left	22.99	/	/	27.47	/	/	<=33	Pass
		Inner_1RB_Right	22.97	/	/	27.45	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.77	/	/	26.25	/	/	<=33	Pass
		Edge_1RB_Right	21.82	/	/	26.3	/	/	<=33	Pass
		Outer_Full	21.87	/	/	26.35	/	/	<=33	Pass
		Inner_Full	22.87	/	/	27.35	/	/	<=33	Pass
		Inner_1RB_Left	22.72	/	/	27.2	/	/	<=33	Pass
		Inner_1RB_Right	22.62	/	/	27.1	/	/	<=33	Pass
	1905	Edge_1RB_Left	21.86	/	/	26.34	/	/	<=33	Pass



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		Edge_1RB_Right	22.15	/	/	26.63	/	/	<=33	Pass
		Outer_Full	22.21	/	/	26.69	/	/	<=33	Pass
		Inner_Full	23.21	/	/	27.69	/	/	<=33	Pass
		Inner_1RB_Left	23.03	/	/	27.51	/	/	<=33	Pass
		Inner_1RB_Right	22.92	/	/	27.4	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1855	Edge_1RB_Left	21.73	/	/	26.21	/	/	<=33	Pass
		Edge_1RB_Right	21.50	/	/	25.98	/	/	<=33	Pass
		Outer_Full	21.65	/	/	26.13	/	/	<=33	Pass
		Inner_Full	21.70	/	/	26.18	/	/	<=33	Pass
		Inner_1RB_Left	21.59	/	/	26.07	/	/	<=33	Pass
		Inner_1RB_Right	21.67	/	/	26.15	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.60	/	/	26.08	/	/	<=33	Pass
		Edge_1RB_Right	21.31	/	/	25.79	/	/	<=33	Pass
		Outer_Full	21.32	/	/	25.8	/	/	<=33	Pass
		Inner_Full	21.29	/	/	25.77	/	/	<=33	Pass
		Inner_1RB_Left	21.50	/	/	25.98	/	/	<=33	Pass
		Inner_1RB_Right	21.18	/	/	25.66	/	/	<=33	Pass
	1905	Edge_1RB_Left	21.53	/	/	26.01	/	/	<=33	Pass
		Edge_1RB_Right	21.72	/	/	26.2	/	/	<=33	Pass
		Outer_Full	21.71	/	/	26.19	/	/	<=33	Pass
		Inner_Full	21.71	/	/	26.19	/	/	<=33	Pass
		Inner_1RB_Left	21.73	/	/	26.21	/	/	<=33	Pass
		Inner_1RB_Right	21.60	/	/	26.08	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1855	Edge_1RB_Left	19.72	/	/	24.2	/	/	<=33	Pass
		Edge_1RB_Right	19.71	/	/	24.19	/	/	<=33	Pass
		Outer_Full	19.64	/	/	24.12	/	/	<=33	Pass
		Inner_Full	19.66	/	/	24.14	/	/	<=33	Pass
		Inner_1RB_Left	19.58	/	/	24.06	/	/	<=33	Pass
		Inner_1RB_Right	19.54	/	/	24.02	/	/	<=33	Pass
	1880	Edge_1RB_Left	19.40	/	/	23.88	/	/	<=33	Pass
		Edge_1RB_Right	19.38	/	/	23.86	/	/	<=33	Pass
		Outer_Full	19.32	/	/	23.8	/	/	<=33	Pass
		Inner_Full	19.30	/	/	23.78	/	/	<=33	Pass
		Inner_1RB_Left	19.54	/	/	24.02	/	/	<=33	Pass
		Inner_1RB_Right	19.05	/	/	23.53	/	/	<=33	Pass
	1905	Edge_1RB_Left	19.77	/	/	24.25	/	/	<=33	Pass
		Edge_1RB_Right	19.75	/	/	24.23	/	/	<=33	Pass
		Outer_Full	19.65	/	/	24.13	/	/	<=33	Pass



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CP-OFDM QPSK		Inner_Full	19.72	/	/	24.2	/	/	<=33	Pass
		Inner_1RB_Left	19.85	/	/	24.33	/	/	<=33	Pass
		Inner_1RB_Right	19.71	/	/	24.19	/	/	<=33	Pass
	1855	Edge_1RB_Left	21.18	/	/	25.66	/	/	<=33	Pass
		Edge_1RB_Right	21.11	/	/	25.59	/	/	<=33	Pass
		Outer_Full	21.21	/	/	25.69	/	/	<=33	Pass
		Inner_Full	22.63	/	/	27.11	/	/	<=33	Pass
		Inner_1RB_Left	22.59	/	/	27.07	/	/	<=33	Pass
		Inner_1RB_Right	22.39	/	/	26.87	/	/	<=33	Pass
	1880	Edge_1RB_Left	20.87	/	/	25.35	/	/	<=33	Pass
		Edge_1RB_Right	20.76	/	/	25.24	/	/	<=33	Pass
		Outer_Full	20.81	/	/	25.29	/	/	<=33	Pass
		Inner_Full	22.20	/	/	26.68	/	/	<=33	Pass
		Inner_1RB_Left	22.38	/	/	26.86	/	/	<=33	Pass
		Inner_1RB_Right	22.18	/	/	26.66	/	/	<=33	Pass
	1905	Edge_1RB_Left	21.11	/	/	25.59	/	/	<=33	Pass
		Edge_1RB_Right	21.16	/	/	25.64	/	/	<=33	Pass
		Outer_Full	21.20	/	/	25.68	/	/	<=33	Pass
		Inner_Full	22.67	/	/	27.15	/	/	<=33	Pass
		Inner_1RB_Left	22.63	/	/	27.11	/	/	<=33	Pass
		Inner_1RB_Right	22.67	/	/	27.15	/	/	<=33	Pass
CP-OFDM 16 QAM	1855	Edge_1RB_Left	21.11	/	/	25.59	/	/	<=33	Pass
		Edge_1RB_Right	20.82	/	/	25.3	/	/	<=33	Pass
		Outer_Full	21.10	/	/	25.58	/	/	<=33	Pass
		Inner_Full	22.10	/	/	26.58	/	/	<=33	Pass
		Inner_1RB_Left	21.86	/	/	26.34	/	/	<=33	Pass
		Inner_1RB_Right	21.81	/	/	26.29	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.27	/	/	25.75	/	/	<=33	Pass
		Edge_1RB_Right	20.60	/	/	25.08	/	/	<=33	Pass
		Outer_Full	20.84	/	/	25.32	/	/	<=33	Pass
		Inner_Full	21.78	/	/	26.26	/	/	<=33	Pass
		Inner_1RB_Left	21.83	/	/	26.31	/	/	<=33	Pass
		Inner_1RB_Right	21.73	/	/	26.21	/	/	<=33	Pass
	1905	Edge_1RB_Left	21.65	/	/	26.13	/	/	<=33	Pass
		Edge_1RB_Right	21.23	/	/	25.71	/	/	<=33	Pass
		Outer_Full	21.17	/	/	25.65	/	/	<=33	Pass
		Inner_Full	22.15	/	/	26.63	/	/	<=33	Pass
		Inner_1RB_Left	21.99	/	/	26.47	/	/	<=33	Pass



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		Inner_1RB_Right	22.19	/	/	26.67	/	/	<=33	Pass
CP-OFDM 64 QAM	1855	Edge_1RB_Left	20.62	/	/	25.1	/	/	<=33	Pass
		Edge_1RB_Right	20.27	/	/	24.75	/	/	<=33	Pass
		Outer_Full	20.64	/	/	25.12	/	/	<=33	Pass
		Inner_Full	20.58	/	/	25.06	/	/	<=33	Pass
		Inner_1RB_Left	20.81	/	/	25.29	/	/	<=33	Pass
		Inner_1RB_Right	20.43	/	/	24.91	/	/	<=33	Pass
	1880	Edge_1RB_Left	20.42	/	/	24.9	/	/	<=33	Pass
		Edge_1RB_Right	20.12	/	/	24.6	/	/	<=33	Pass
		Outer_Full	20.32	/	/	24.8	/	/	<=33	Pass
		Inner_Full	20.25	/	/	24.73	/	/	<=33	Pass
		Inner_1RB_Left	20.18	/	/	24.66	/	/	<=33	Pass
		Inner_1RB_Right	20.16	/	/	24.64	/	/	<=33	Pass
	1905	Edge_1RB_Left	20.74	/	/	25.22	/	/	<=33	Pass
		Edge_1RB_Right	20.53	/	/	25.01	/	/	<=33	Pass
		Outer_Full	20.68	/	/	25.16	/	/	<=33	Pass
		Inner_Full	20.73	/	/	25.21	/	/	<=33	Pass
		Inner_1RB_Left	20.71	/	/	25.19	/	/	<=33	Pass
		Inner_1RB_Right	20.82	/	/	25.3	/	/	<=33	Pass
CP-OFDM 256 QAM	1855	Edge_1RB_Left	17.79	/	/	22.27	/	/	<=33	Pass
		Edge_1RB_Right	17.58	/	/	22.06	/	/	<=33	Pass
		Outer_Full	17.55	/	/	22.03	/	/	<=33	Pass
		Inner_Full	17.58	/	/	22.06	/	/	<=33	Pass
		Inner_1RB_Left	17.85	/	/	22.33	/	/	<=33	Pass
		Inner_1RB_Right	17.72	/	/	22.2	/	/	<=33	Pass
	1880	Edge_1RB_Left	17.38	/	/	21.86	/	/	<=33	Pass
		Edge_1RB_Right	17.26	/	/	21.74	/	/	<=33	Pass
		Outer_Full	17.30	/	/	21.78	/	/	<=33	Pass
		Inner_Full	17.37	/	/	21.85	/	/	<=33	Pass
		Inner_1RB_Left	17.52	/	/	22	/	/	<=33	Pass
		Inner_1RB_Right	17.10	/	/	21.58	/	/	<=33	Pass
	1905	Edge_1RB_Left	17.71	/	/	22.19	/	/	<=33	Pass
		Edge_1RB_Right	17.92	/	/	22.4	/	/	<=33	Pass
		Outer_Full	17.66	/	/	22.14	/	/	<=33	Pass
		Inner_Full	17.65	/	/	22.13	/	/	<=33	Pass
		Inner_1RB_Left	17.81	/	/	22.29	/	/	<=33	Pass
		Inner_1RB_Right	17.65	/	/	22.13	/	/	<=33	Pass

Note1: Antenna Gain: Ant1: 4.48dBi;



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Note2: EIRP=Conducted Power+Antenna Gain

1.1.3 15k_SISO_15MHz_NTNV_EIRP

5G NR n2 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1857.5	Edge_1RB_Left	23.26	/	/	27.74	/	/	<=33	Pass
		Edge_1RB_Right	23.18	/	/	27.66	/	/	<=33	Pass
		Outer_Full	23.31	/	/	27.79	/	/	<=33	Pass
		Inner_Full	23.31	/	/	27.79	/	/	<=33	Pass
		Inner_1RB_Left	23.21	/	/	27.69	/	/	<=33	Pass
		Inner_1RB_Right	23.08	/	/	27.56	/	/	<=33	Pass
	1880	Edge_1RB_Left	23.06	/	/	27.54	/	/	<=33	Pass
		Edge_1RB_Right	22.95	/	/	27.43	/	/	<=33	Pass
		Outer_Full	23.05	/	/	27.53	/	/	<=33	Pass
		Inner_Full	22.98	/	/	27.46	/	/	<=33	Pass
		Inner_1RB_Left	23.14	/	/	27.62	/	/	<=33	Pass
		Inner_1RB_Right	22.94	/	/	27.42	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	23.10	/	/	27.58	/	/	<=33	Pass
		Edge_1RB_Right	23.22	/	/	27.7	/	/	<=33	Pass
		Outer_Full	23.25	/	/	27.73	/	/	<=33	Pass
		Inner_Full	23.21	/	/	27.69	/	/	<=33	Pass
		Inner_1RB_Left	23.04	/	/	27.52	/	/	<=33	Pass
		Inner_1RB_Right	23.21	/	/	27.69	/	/	<=33	Pass
DFT-s-OFDM QPSK	1857.5	Edge_1RB_Left	23.23	/	/	27.71	/	/	<=33	Pass
		Edge_1RB_Right	23.22	/	/	27.7	/	/	<=33	Pass
		Outer_Full	23.35	/	/	27.83	/	/	<=33	Pass
		Inner_Full	23.35	/	/	27.83	/	/	<=33	Pass
		Inner_1RB_Left	23.28	/	/	27.76	/	/	<=33	Pass
		Inner_1RB_Right	23.09	/	/	27.57	/	/	<=33	Pass
	1880	Edge_1RB_Left	23.02	/	/	27.5	/	/	<=33	Pass
		Edge_1RB_Right	22.98	/	/	27.46	/	/	<=33	Pass
		Outer_Full	23.06	/	/	27.54	/	/	<=33	Pass
		Inner_Full	23.00	/	/	27.48	/	/	<=33	Pass
		Inner_1RB_Left	23.11	/	/	27.59	/	/	<=33	Pass
		Inner_1RB_Right	23.00	/	/	27.48	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	23.13	/	/	27.61	/	/	<=33	Pass



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		Edge_1RB_Right	23.32	/	/	27.8	/	/	<=33	Pass
		Outer_Full	23.23	/	/	27.71	/	/	<=33	Pass
		Inner_Full	23.23	/	/	27.71	/	/	<=33	Pass
		Inner_1RB_Left	23.07	/	/	27.55	/	/	<=33	Pass
		Inner_1RB_Right	23.30	/	/	27.78	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1857.5	Edge_1RB_Left	22.56	/	/	27.04	/	/	<=33	Pass
		Edge_1RB_Right	22.16	/	/	26.64	/	/	<=33	Pass
		Outer_Full	22.26	/	/	26.74	/	/	<=33	Pass
		Inner_Full	23.32	/	/	27.8	/	/	<=33	Pass
		Inner_1RB_Left	23.27	/	/	27.75	/	/	<=33	Pass
		Inner_1RB_Right	23.22	/	/	27.7	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.12	/	/	26.6	/	/	<=33	Pass
		Edge_1RB_Right	22.09	/	/	26.57	/	/	<=33	Pass
		Outer_Full	22.00	/	/	26.48	/	/	<=33	Pass
		Inner_Full	22.89	/	/	27.37	/	/	<=33	Pass
		Inner_1RB_Left	22.90	/	/	27.38	/	/	<=33	Pass
		Inner_1RB_Right	22.99	/	/	27.47	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	22.28	/	/	26.76	/	/	<=33	Pass
		Edge_1RB_Right	22.25	/	/	26.73	/	/	<=33	Pass
		Outer_Full	22.24	/	/	26.72	/	/	<=33	Pass
		Inner_Full	23.28	/	/	27.76	/	/	<=33	Pass
		Inner_1RB_Left	23.06	/	/	27.54	/	/	<=33	Pass
		Inner_1RB_Right	23.51	/	/	27.99	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1857.5	Edge_1RB_Left	21.65	/	/	26.13	/	/	<=33	Pass
		Edge_1RB_Right	21.63	/	/	26.11	/	/	<=33	Pass
		Outer_Full	21.75	/	/	26.23	/	/	<=33	Pass
		Inner_Full	21.78	/	/	26.26	/	/	<=33	Pass
		Inner_1RB_Left	21.57	/	/	26.05	/	/	<=33	Pass
		Inner_1RB_Right	21.76	/	/	26.24	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.71	/	/	26.19	/	/	<=33	Pass
		Edge_1RB_Right	21.37	/	/	25.85	/	/	<=33	Pass
		Outer_Full	21.49	/	/	25.97	/	/	<=33	Pass
		Inner_Full	21.48	/	/	25.96	/	/	<=33	Pass
		Inner_1RB_Left	21.51	/	/	25.99	/	/	<=33	Pass
		Inner_1RB_Right	21.53	/	/	26.01	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	21.73	/	/	26.21	/	/	<=33	Pass
		Edge_1RB_Right	21.94	/	/	26.42	/	/	<=33	Pass
		Outer_Full	21.76	/	/	26.24	/	/	<=33	Pass



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DFT-s-OFDM 256 QAM		Inner_Full	21.75	/	/	26.23	/	/	<=33	Pass
		Inner_1RB_Left	21.48	/	/	25.96	/	/	<=33	Pass
		Inner_1RB_Right	21.82	/	/	26.3	/	/	<=33	Pass
	1857.5	Edge_1RB_Left	19.75	/	/	24.23	/	/	<=33	Pass
		Edge_1RB_Right	19.83	/	/	24.31	/	/	<=33	Pass
		Outer_Full	19.84	/	/	24.32	/	/	<=33	Pass
		Inner_Full	19.82	/	/	24.3	/	/	<=33	Pass
		Inner_1RB_Left	19.94	/	/	24.42	/	/	<=33	Pass
		Inner_1RB_Right	19.73	/	/	24.21	/	/	<=33	Pass
		Edge_1RB_Left	19.67	/	/	24.15	/	/	<=33	Pass
	1880	Edge_1RB_Right	19.50	/	/	23.98	/	/	<=33	Pass
		Outer_Full	19.42	/	/	23.9	/	/	<=33	Pass
		Inner_Full	19.44	/	/	23.92	/	/	<=33	Pass
		Inner_1RB_Left	19.68	/	/	24.16	/	/	<=33	Pass
		Inner_1RB_Right	19.53	/	/	24.01	/	/	<=33	Pass
		Edge_1RB_Left	19.72	/	/	24.2	/	/	<=33	Pass
	1902.5	Edge_1RB_Right	20.01	/	/	24.49	/	/	<=33	Pass
		Outer_Full	19.81	/	/	24.29	/	/	<=33	Pass
		Inner_Full	19.78	/	/	24.26	/	/	<=33	Pass
		Inner_1RB_Left	19.68	/	/	24.16	/	/	<=33	Pass
		Inner_1RB_Right	19.78	/	/	24.26	/	/	<=33	Pass
CP-OFDM QPSK	1857.5	Edge_1RB_Left	21.12	/	/	25.6	/	/	<=33	Pass
		Edge_1RB_Right	21.22	/	/	25.7	/	/	<=33	Pass
		Outer_Full	21.33	/	/	25.81	/	/	<=33	Pass
		Inner_Full	22.85	/	/	27.33	/	/	<=33	Pass
		Inner_1RB_Left	22.66	/	/	27.14	/	/	<=33	Pass
		Inner_1RB_Right	22.52	/	/	27	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.04	/	/	25.52	/	/	<=33	Pass
		Edge_1RB_Right	21.14	/	/	25.62	/	/	<=33	Pass
		Outer_Full	21.08	/	/	25.56	/	/	<=33	Pass
		Inner_Full	22.50	/	/	26.98	/	/	<=33	Pass
		Inner_1RB_Left	22.58	/	/	27.06	/	/	<=33	Pass
		Inner_1RB_Right	22.48	/	/	26.96	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	21.47	/	/	25.95	/	/	<=33	Pass
		Edge_1RB_Right	21.22	/	/	25.7	/	/	<=33	Pass
		Outer_Full	21.24	/	/	25.72	/	/	<=33	Pass
		Inner_Full	22.74	/	/	27.22	/	/	<=33	Pass
		Inner_1RB_Left	22.59	/	/	27.07	/	/	<=33	Pass



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		Inner_1RB_Right	22.69	/	/	27.17	/	/	<=33	Pass
CP-OFDM 16 QAM	1857.5	Edge_1RB_Left	21.42	/	/	25.9	/	/	<=33	Pass
		Edge_1RB_Right	21.42	/	/	25.9	/	/	<=33	Pass
		Outer_Full	21.22	/	/	25.7	/	/	<=33	Pass
		Inner_Full	22.16	/	/	26.64	/	/	<=33	Pass
		Inner_1RB_Left	21.92	/	/	26.4	/	/	<=33	Pass
		Inner_1RB_Right	22.33	/	/	26.81	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.09	/	/	25.57	/	/	<=33	Pass
		Edge_1RB_Right	21.03	/	/	25.51	/	/	<=33	Pass
		Outer_Full	20.94	/	/	25.42	/	/	<=33	Pass
		Inner_Full	21.94	/	/	26.42	/	/	<=33	Pass
		Inner_1RB_Left	22.15	/	/	26.63	/	/	<=33	Pass
		Inner_1RB_Right	22.27	/	/	26.75	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	21.38	/	/	25.86	/	/	<=33	Pass
		Edge_1RB_Right	21.42	/	/	25.9	/	/	<=33	Pass
		Outer_Full	21.29	/	/	25.77	/	/	<=33	Pass
		Inner_Full	22.30	/	/	26.78	/	/	<=33	Pass
		Inner_1RB_Left	22.25	/	/	26.73	/	/	<=33	Pass
		Inner_1RB_Right	22.23	/	/	26.71	/	/	<=33	Pass
CP-OFDM 64 QAM	1857.5	Edge_1RB_Left	20.72	/	/	25.2	/	/	<=33	Pass
		Edge_1RB_Right	20.95	/	/	25.43	/	/	<=33	Pass
		Outer_Full	20.75	/	/	25.23	/	/	<=33	Pass
		Inner_Full	20.79	/	/	25.27	/	/	<=33	Pass
		Inner_1RB_Left	20.80	/	/	25.28	/	/	<=33	Pass
		Inner_1RB_Right	20.31	/	/	24.79	/	/	<=33	Pass
	1880	Edge_1RB_Left	20.58	/	/	25.06	/	/	<=33	Pass
		Edge_1RB_Right	20.61	/	/	25.09	/	/	<=33	Pass
		Outer_Full	20.47	/	/	24.95	/	/	<=33	Pass
		Inner_Full	20.42	/	/	24.9	/	/	<=33	Pass
		Inner_1RB_Left	20.51	/	/	24.99	/	/	<=33	Pass
		Inner_1RB_Right	20.40	/	/	24.88	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	20.76	/	/	25.24	/	/	<=33	Pass
		Edge_1RB_Right	20.92	/	/	25.4	/	/	<=33	Pass
		Outer_Full	20.76	/	/	25.24	/	/	<=33	Pass
		Inner_Full	20.81	/	/	25.29	/	/	<=33	Pass
		Inner_1RB_Left	20.73	/	/	25.21	/	/	<=33	Pass
		Inner_1RB_Right	20.69	/	/	25.17	/	/	<=33	Pass
CP-OFDM 256 QAM	1857.5	Edge_1RB_Left	17.81	/	/	22.29	/	/	<=33	Pass



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		Edge_1RB_Right	17.90	/	/	22.38	/	/	<=33	Pass
		Outer_Full	17.77	/	/	22.25	/	/	<=33	Pass
		Inner_Full	17.74	/	/	22.22	/	/	<=33	Pass
		Inner_1RB_Left	17.77	/	/	22.25	/	/	<=33	Pass
		Inner_1RB_Right	17.84	/	/	22.32	/	/	<=33	Pass
	1880	Edge_1RB_Left	17.71	/	/	22.19	/	/	<=33	Pass
		Edge_1RB_Right	17.72	/	/	22.2	/	/	<=33	Pass
		Outer_Full	17.53	/	/	22.01	/	/	<=33	Pass
		Inner_Full	17.37	/	/	21.85	/	/	<=33	Pass
		Inner_1RB_Left	17.72	/	/	22.2	/	/	<=33	Pass
		Inner_1RB_Right	17.36	/	/	21.84	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	17.79	/	/	22.27	/	/	<=33	Pass
		Edge_1RB_Right	18.03	/	/	22.51	/	/	<=33	Pass
		Outer_Full	17.76	/	/	22.24	/	/	<=33	Pass
		Inner_Full	17.77	/	/	22.25	/	/	<=33	Pass
		Inner_1RB_Left	17.52	/	/	22	/	/	<=33	Pass
		Inner_1RB_Right	17.33	/	/	21.81	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: 4.48dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 15k_SISO_20MHz_NTNV_EIRP

5G NR n2 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1860	Edge_1RB_Left	23.23	/	/	27.71	/	/	<=33	Pass
		Edge_1RB_Right	23.10	/	/	27.58	/	/	<=33	Pass
		Outer_Full	23.17	/	/	27.65	/	/	<=33	Pass
		Inner_Full	23.23	/	/	27.71	/	/	<=33	Pass
		Inner_1RB_Left	23.19	/	/	27.67	/	/	<=33	Pass
		Inner_1RB_Right	23.12	/	/	27.6	/	/	<=33	Pass
	1880	Edge_1RB_Left	23.09	/	/	27.57	/	/	<=33	Pass
		Edge_1RB_Right	22.96	/	/	27.44	/	/	<=33	Pass
		Outer_Full	22.99	/	/	27.47	/	/	<=33	Pass
		Inner_Full	23.00	/	/	27.48	/	/	<=33	Pass
		Inner_1RB_Left	23.08	/	/	27.56	/	/	<=33	Pass
		Inner_1RB_Right	22.92	/	/	27.4	/	/	<=33	Pass
	1900	Edge_1RB_Left	22.99	/	/	27.47	/	/	<=33	Pass



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		Edge_1RB_Right	23.24	/	/	27.72	/	/	<=33	Pass
		Outer_Full	23.21	/	/	27.69	/	/	<=33	Pass
		Inner_Full	23.23	/	/	27.71	/	/	<=33	Pass
		Inner_1RB_Left	23.05	/	/	27.53	/	/	<=33	Pass
		Inner_1RB_Right	23.27	/	/	27.75	/	/	<=33	Pass
DFT-s-OFDM QPSK	1860	Edge_1RB_Left	23.22	/	/	27.7	/	/	<=33	Pass
		Edge_1RB_Right	23.13	/	/	27.61	/	/	<=33	Pass
		Outer_Full	23.15	/	/	27.63	/	/	<=33	Pass
		Inner_Full	23.21	/	/	27.69	/	/	<=33	Pass
		Inner_1RB_Left	23.21	/	/	27.69	/	/	<=33	Pass
		Inner_1RB_Right	23.15	/	/	27.63	/	/	<=33	Pass
	1880	Edge_1RB_Left	23.13	/	/	27.61	/	/	<=33	Pass
		Edge_1RB_Right	22.92	/	/	27.4	/	/	<=33	Pass
		Outer_Full	23.09	/	/	27.57	/	/	<=33	Pass
		Inner_Full	23.04	/	/	27.52	/	/	<=33	Pass
		Inner_1RB_Left	23.07	/	/	27.55	/	/	<=33	Pass
		Inner_1RB_Right	23.03	/	/	27.51	/	/	<=33	Pass
	1900	Edge_1RB_Left	23.00	/	/	27.48	/	/	<=33	Pass
		Edge_1RB_Right	23.45	/	/	27.93	/	/	<=33	Pass
		Outer_Full	23.17	/	/	27.65	/	/	<=33	Pass
		Inner_Full	23.22	/	/	27.7	/	/	<=33	Pass
		Inner_1RB_Left	23.16	/	/	27.64	/	/	<=33	Pass
		Inner_1RB_Right	23.27	/	/	27.75	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1860	Edge_1RB_Left	22.16	/	/	26.64	/	/	<=33	Pass
		Edge_1RB_Right	22.06	/	/	26.54	/	/	<=33	Pass
		Outer_Full	22.27	/	/	26.75	/	/	<=33	Pass
		Inner_Full	23.15	/	/	27.63	/	/	<=33	Pass
		Inner_1RB_Left	23.27	/	/	27.75	/	/	<=33	Pass
		Inner_1RB_Right	23.02	/	/	27.5	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.00	/	/	26.48	/	/	<=33	Pass
		Edge_1RB_Right	22.27	/	/	26.75	/	/	<=33	Pass
		Outer_Full	21.96	/	/	26.44	/	/	<=33	Pass
		Inner_Full	22.96	/	/	27.44	/	/	<=33	Pass
		Inner_1RB_Left	23.29	/	/	27.77	/	/	<=33	Pass
		Inner_1RB_Right	22.99	/	/	27.47	/	/	<=33	Pass
	1900	Edge_1RB_Left	21.95	/	/	26.43	/	/	<=33	Pass
		Edge_1RB_Right	22.02	/	/	26.5	/	/	<=33	Pass
		Outer_Full	22.23	/	/	26.71	/	/	<=33	Pass



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DFT-s-OFDM 64 QAM		Inner_Full	23.27	/	/	27.75	/	/	<=33	Pass
		Inner_1RB_Left	23.05	/	/	27.53	/	/	<=33	Pass
		Inner_1RB_Right	23.30	/	/	27.78	/	/	<=33	Pass
	1860	Edge_1RB_Left	21.75	/	/	26.23	/	/	<=33	Pass
		Edge_1RB_Right	21.77	/	/	26.25	/	/	<=33	Pass
		Outer_Full	21.79	/	/	26.27	/	/	<=33	Pass
		Inner_Full	21.79	/	/	26.27	/	/	<=33	Pass
		Inner_1RB_Left	21.52	/	/	26	/	/	<=33	Pass
		Inner_1RB_Right	21.57	/	/	26.05	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.61	/	/	26.09	/	/	<=33	Pass
		Edge_1RB_Right	21.56	/	/	26.04	/	/	<=33	Pass
		Outer_Full	21.50	/	/	25.98	/	/	<=33	Pass
		Inner_Full	21.48	/	/	25.96	/	/	<=33	Pass
		Inner_1RB_Left	21.60	/	/	26.08	/	/	<=33	Pass
		Inner_1RB_Right	21.64	/	/	26.12	/	/	<=33	Pass
	1900	Edge_1RB_Left	21.67	/	/	26.15	/	/	<=33	Pass
		Edge_1RB_Right	21.73	/	/	26.21	/	/	<=33	Pass
		Outer_Full	21.76	/	/	26.24	/	/	<=33	Pass
		Inner_Full	21.73	/	/	26.21	/	/	<=33	Pass
		Inner_1RB_Left	21.56	/	/	26.04	/	/	<=33	Pass
		Inner_1RB_Right	21.90	/	/	26.38	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1860	Edge_1RB_Left	19.79	/	/	24.27	/	/	<=33	Pass
		Edge_1RB_Right	19.55	/	/	24.03	/	/	<=33	Pass
		Outer_Full	19.72	/	/	24.2	/	/	<=33	Pass
		Inner_Full	19.78	/	/	24.26	/	/	<=33	Pass
		Inner_1RB_Left	19.84	/	/	24.32	/	/	<=33	Pass
		Inner_1RB_Right	19.67	/	/	24.15	/	/	<=33	Pass
	1880	Edge_1RB_Left	19.83	/	/	24.31	/	/	<=33	Pass
		Edge_1RB_Right	19.73	/	/	24.21	/	/	<=33	Pass
		Outer_Full	19.63	/	/	24.11	/	/	<=33	Pass
		Inner_Full	19.57	/	/	24.05	/	/	<=33	Pass
		Inner_1RB_Left	19.45	/	/	23.93	/	/	<=33	Pass
		Inner_1RB_Right	19.71	/	/	24.19	/	/	<=33	Pass
	1900	Edge_1RB_Left	19.74	/	/	24.22	/	/	<=33	Pass
		Edge_1RB_Right	19.85	/	/	24.33	/	/	<=33	Pass
		Outer_Full	19.74	/	/	24.22	/	/	<=33	Pass
		Inner_Full	19.74	/	/	24.22	/	/	<=33	Pass
		Inner_1RB_Left	19.84	/	/	24.32	/	/	<=33	Pass



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		Inner_1RB_Right	20.18	/	/	24.66	/	/	<=33	Pass
CP-OFDM QPSK	1860	Edge_1RB_Left	21.17	/	/	25.65	/	/	<=33	Pass
		Edge_1RB_Right	21.20	/	/	25.68	/	/	<=33	Pass
		Outer_Full	21.18	/	/	25.66	/	/	<=33	Pass
		Inner_Full	22.70	/	/	27.18	/	/	<=33	Pass
		Inner_1RB_Left	22.65	/	/	27.13	/	/	<=33	Pass
		Inner_1RB_Right	22.54	/	/	27.02	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.16	/	/	25.64	/	/	<=33	Pass
		Edge_1RB_Right	20.97	/	/	25.45	/	/	<=33	Pass
		Outer_Full	21.04	/	/	25.52	/	/	<=33	Pass
		Inner_Full	22.55	/	/	27.03	/	/	<=33	Pass
		Inner_1RB_Left	22.64	/	/	27.12	/	/	<=33	Pass
		Inner_1RB_Right	22.43	/	/	26.91	/	/	<=33	Pass
	1900	Edge_1RB_Left	21.03	/	/	25.51	/	/	<=33	Pass
		Edge_1RB_Right	21.28	/	/	25.76	/	/	<=33	Pass
		Outer_Full	21.28	/	/	25.76	/	/	<=33	Pass
		Inner_Full	22.75	/	/	27.23	/	/	<=33	Pass
		Inner_1RB_Left	22.77	/	/	27.25	/	/	<=33	Pass
		Inner_1RB_Right	22.59	/	/	27.07	/	/	<=33	Pass
CP-OFDM 16 QAM	1860	Edge_1RB_Left	21.29	/	/	25.77	/	/	<=33	Pass
		Edge_1RB_Right	21.15	/	/	25.63	/	/	<=33	Pass
		Outer_Full	21.23	/	/	25.71	/	/	<=33	Pass
		Inner_Full	22.20	/	/	26.68	/	/	<=33	Pass
		Inner_1RB_Left	22.46	/	/	26.94	/	/	<=33	Pass
		Inner_1RB_Right	21.93	/	/	26.41	/	/	<=33	Pass
	1880	Edge_1RB_Left	20.95	/	/	25.43	/	/	<=33	Pass
		Edge_1RB_Right	21.04	/	/	25.52	/	/	<=33	Pass
		Outer_Full	20.95	/	/	25.43	/	/	<=33	Pass
		Inner_Full	21.96	/	/	26.44	/	/	<=33	Pass
		Inner_1RB_Left	22.10	/	/	26.58	/	/	<=33	Pass
		Inner_1RB_Right	21.92	/	/	26.4	/	/	<=33	Pass
	1900	Edge_1RB_Left	21.06	/	/	25.54	/	/	<=33	Pass
		Edge_1RB_Right	21.28	/	/	25.76	/	/	<=33	Pass
		Outer_Full	21.25	/	/	25.73	/	/	<=33	Pass
		Inner_Full	22.28	/	/	26.76	/	/	<=33	Pass
		Inner_1RB_Left	22.02	/	/	26.5	/	/	<=33	Pass
		Inner_1RB_Right	22.09	/	/	26.57	/	/	<=33	Pass
CP-OFDM 64 QAM	1860	Edge_1RB_Left	20.72	/	/	25.2	/	/	<=33	Pass



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		Edge_1RB_Right	20.69	/	/	25.17	/	/	<=33	Pass
		Outer_Full	20.65	/	/	25.13	/	/	<=33	Pass
		Inner_Full	20.75	/	/	25.23	/	/	<=33	Pass
		Inner_1RB_Left	20.74	/	/	25.22	/	/	<=33	Pass
		Inner_1RB_Right	20.54	/	/	25.02	/	/	<=33	Pass
	1880	Edge_1RB_Left	20.60	/	/	25.08	/	/	<=33	Pass
		Edge_1RB_Right	20.63	/	/	25.11	/	/	<=33	Pass
		Outer_Full	20.50	/	/	24.98	/	/	<=33	Pass
		Inner_Full	20.47	/	/	24.95	/	/	<=33	Pass
		Inner_1RB_Left	20.68	/	/	25.16	/	/	<=33	Pass
		Inner_1RB_Right	20.41	/	/	24.89	/	/	<=33	Pass
	1900	Edge_1RB_Left	20.75	/	/	25.23	/	/	<=33	Pass
		Edge_1RB_Right	20.54	/	/	25.02	/	/	<=33	Pass
		Outer_Full	20.76	/	/	25.24	/	/	<=33	Pass
		Inner_Full	20.80	/	/	25.28	/	/	<=33	Pass
		Inner_1RB_Left	20.57	/	/	25.05	/	/	<=33	Pass
		Inner_1RB_Right	20.76	/	/	25.24	/	/	<=33	Pass
	CP-OFDM 256 QAM	1860	Edge_1RB_Left	18.02	/	/	22.5	/	/	<=33
Edge_1RB_Right			17.27	/	/	21.75	/	/	<=33	Pass
Outer_Full			17.66	/	/	22.14	/	/	<=33	Pass
Inner_Full			17.75	/	/	22.23	/	/	<=33	Pass
Inner_1RB_Left			17.72	/	/	22.2	/	/	<=33	Pass
Inner_1RB_Right			17.76	/	/	22.24	/	/	<=33	Pass
1880		Edge_1RB_Left	17.83	/	/	22.31	/	/	<=33	Pass
		Edge_1RB_Right	17.60	/	/	22.08	/	/	<=33	Pass
		Outer_Full	17.58	/	/	22.06	/	/	<=33	Pass
		Inner_Full	17.48	/	/	21.96	/	/	<=33	Pass
		Inner_1RB_Left	17.67	/	/	22.15	/	/	<=33	Pass
		Inner_1RB_Right	17.33	/	/	21.81	/	/	<=33	Pass
1900		Edge_1RB_Left	17.56	/	/	22.04	/	/	<=33	Pass
		Edge_1RB_Right	17.86	/	/	22.34	/	/	<=33	Pass
		Outer_Full	17.76	/	/	22.24	/	/	<=33	Pass
		Inner_Full	17.73	/	/	22.21	/	/	<=33	Pass
		Inner_1RB_Left	17.53	/	/	22.01	/	/	<=33	Pass
		Inner_1RB_Right	17.90	/	/	22.38	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: 4.48dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										



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2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_5MHz

5G NR n2 SCS=15kHz SISO 5MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1880	Outer_Full	20	LV	-1.70	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-8.90	-0.0047	>=-2.5 & <=2.5	Pass
			-30	NV	3.90	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	0.80	0.0004	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-8.50	-0.0045	>=-2.5 & <=2.5	Pass
			30	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-6.60	-0.0035	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1880	Outer_Full	20	LV	-7.90	-0.0042	>=-2.5 & <=2.5	Pass
				HV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-7.50	-0.0040	>=-2.5 & <=2.5	Pass
			-10	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	4.50	0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-6.90	-0.0037	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1880	Outer_Full	20	LV	-6.10	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-10.70	-0.0057	>=-2.5 & <=2.5	Pass
			-30	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	4.20	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	0.80	0.0004	>=-2.5 & <=2.5	Pass



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			20	NV	-7.60	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	0.80	0.0004	>=-2.5 & <=2.5	Pass
			40	NV	2.30	0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0031	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1880	Outer_Full	20	LV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-2.50	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	2.40	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			40	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
			50	NV	5.20	0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1880	Outer_Full	20	LV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-6.50	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	3.40	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	3.90	0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	3.20	0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1880	Outer_Full	20	LV	-7.50	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-2.50	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
			30	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	9.20	0.0049	>=-2.5 & <=2.5	Pass
			50	NV	-4.50	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1880	Outer_Full	20	LV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass



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				HV	3.60	0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	6.20	0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	2.80	0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1880	Outer_Full	20	LV	-5.70	-0.0030	>=-2.5 & <=2.5	Pass
				HV	3.50	0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0043	>=-2.5 & <=2.5	Pass
			-20	NV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	5.40	0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	5.80	0.0031	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1880	Outer_Full	20	LV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
				HV	3.40	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	5.10	0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	4.10	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0035	>=-2.5 & <=2.5	Pass
			30	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			50	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass

2.1.2 15k_SISO_10MHz

5G NR n2 SCS=15kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	



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DFT-s-OFDM PI/2 BPSK	1880	Outer_Full	20	LV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-0.40	-0.0002	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-10.50	-0.0056	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1880	Outer_Full	20	LV	-4.90	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-8.10	-0.0043	>=-2.5 & <=2.5	Pass
			-30	NV	4.10	0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-2.50	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1880	Outer_Full	20	LV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	0.80	0.0004	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-6.00	-0.0032	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1880	Outer_Full	20	LV	-5.50	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass



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			0	NV	-4.70	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.60	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.30	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.60	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.50	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.80	-0.0026	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1880	Outer_Full	20	LV	-3.30	-0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.30	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.00	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-9.10	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.00	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-0.80	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.50	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.00	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.00	-0.0027	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1880	Outer_Full	20	LV	-1.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.90	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.10	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.60	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.20	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1880	Outer_Full	20	LV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
				HV	1.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.20	0.0028	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass



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			50	NV	3.40	0.0018	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1880	Outer_Full	20	LV	-1.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.20	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.10	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.60	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	0.60	0.0003	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1880	Outer_Full	20	LV	-3.30	-0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-0.40	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.60	0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.40	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.50	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			50	NV	0.60	0.0003	≥ -2.5 & ≤ 2.5	Pass

2.1.3 15k_SISO_15MHz

5G NR n2 SCS=15kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1880	Outer_Full	20	LV	-6.90	-0.0037	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.30	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.10	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.40	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.60	0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.70	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.40	0.0029	≥ -2.5 & ≤ 2.5	Pass



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DFT-s-OFDM QPSK	1880	Outer_Full	40	NV	-6.10	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
				HV	2.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.30	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.10	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.20	0.0022	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.50	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.80	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.40	0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.30	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.50	-0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.80	-0.0036	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	1880	Outer_Full	-30	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.40	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.50	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-10.70	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.90	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.40	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-6.60	-0.0035	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.00	-0.0027	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	1880	Outer_Full	-30	NV	-1.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.80	-0.0020	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1880	Outer_Full	-30	NV	-5.00	-0.0027	≥ -2.5 & ≤ 2.5	Pass



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			-20	NV	1.70	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.60	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.20	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.30	-0.0023	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1880	Outer_Full	20	LV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.90	0.0031	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.10	0.0027	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.60	0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.00	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.90	0.0031	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1880	Outer_Full	20	LV	-7.80	-0.0041	≥ -2.5 & ≤ 2.5	Pass
				HV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	6.60	0.0035	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.20	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.40	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-0.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	0.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1880	Outer_Full	20	LV	-4.10	-0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.90	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.30	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.20	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.20	0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass



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			30	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.00	0.0016	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1880	Outer_Full	20	LV	-4.20	-0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.00	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.50	0.0029	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.80	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.80	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.10	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			40	NV	0.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.00	-0.0011	≥ -2.5 & ≤ 2.5	Pass

2.1.4 15k_SISO_20MHz

5G NR n2 SCS=15kHz 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	1880	Outer_Full	20	LV	-13.20	-0.0070	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.40	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-11.00	-0.0059	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-11.10	-0.0059	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-9.40	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-10.20	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.30	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.50	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-9.70	-0.0052	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.40	-0.0023	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM QPSK	1880	Outer_Full	20	LV	-12.00	-0.0064	≥ -2.5 & ≤ 2.5	Pass
				HV	-12.60	-0.0067	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.60	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-10.70	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.80	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-9.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.80	-0.0020	≥ -2.5 & ≤ 2.5	Pass



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			20	NV	-9.70	-0.0052	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.30	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.30	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-8.50	-0.0045	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	1880	Outer_Full	20	LV	-8.30	-0.0044	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.90	-0.0058	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-9.20	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.40	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-11.20	-0.0060	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-9.40	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.90	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.20	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.50	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-11.10	-0.0059	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	1880	Outer_Full	20	LV	-4.90	-0.0026	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.40	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.90	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-11.50	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-9.10	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.80	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-11.70	-0.0062	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.60	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.20	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.60	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.40	-0.0023	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1880	Outer_Full	20	LV	-5.20	-0.0028	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.00	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.50	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.10	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.30	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.70	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.50	-0.0019	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1880	Outer_Full	20	LV	-3.40	-0.0018	≥ -2.5 & ≤ 2.5	Pass



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				HV	-2.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	5.90	0.0031	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.00	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	0.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.60	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1880	Outer_Full	20	LV	-3.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.00	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.20	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.10	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.60	0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.00	0.0016	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1880	Outer_Full	20	LV	-4.00	-0.0021	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.40	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	8.70	0.0046	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.80	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.60	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.80	0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-0.60	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1880	Outer_Full	20	LV	-5.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.90	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.50	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.00	-0.0027	≥ -2.5 & ≤ 2.5	Pass



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			10	NV	-2.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.80	0.0026	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.00	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			50	NV	0.60	0.0003	≥ -2.5 & ≤ 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

5G NR n2 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1852.5	Outer_Full	4.58	5.24	/	Pass
	1880	Outer_Full	4.57	5.39	/	Pass
	1907.5	Outer_Full	4.58	5.33	/	Pass
DFT-s-OFDM QPSK	1852.5	Outer_Full	4.57	5.38	/	Pass
	1880	Outer_Full	4.56	5.36	/	Pass
	1907.5	Outer_Full	4.56	5.43	/	Pass
DFT-s-OFDM 16 QAM	1852.5	Outer_Full	4.58	5.47	/	Pass
	1880	Outer_Full	4.56	4.94	/	Pass
	1907.5	Outer_Full	4.55	5.21	/	Pass
DFT-s-OFDM 64 QAM	1852.5	Outer_Full	4.56	5.44	/	Pass
	1880	Outer_Full	4.58	5.43	/	Pass
	1907.5	Outer_Full	4.57	5.39	/	Pass
DFT-s-OFDM 256 QAM	1852.5	Outer_Full	4.55	5.08	/	Pass
	1880	Outer_Full	4.58	5.28	/	Pass
	1907.5	Outer_Full	4.60	5.44	/	Pass
CP-OFDM QPSK	1852.5	Outer_Full	4.58	5.37	/	Pass
	1880	Outer_Full	4.56	5.34	/	Pass
	1907.5	Outer_Full	4.59	5.38	/	Pass
CP-OFDM 16 QAM	1852.5	Outer_Full	4.59	5.36	/	Pass
	1880	Outer_Full	4.57	5.32	/	Pass
	1907.5	Outer_Full	4.57	5.36	/	Pass
CP-OFDM 64 QAM	1852.5	Outer_Full	4.57	5.31	/	Pass
	1880	Outer_Full	4.55	5.33	/	Pass



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	1907.5	Outer_Full	4.58	5.30	/	Pass
CP-OFDM 256 QAM	1852.5	Outer_Full	4.57	5.33	/	Pass
	1880	Outer_Full	4.57	5.44	/	Pass
	1907.5	Outer_Full	4.61	5.28	/	Pass

3.1.2 15k_SISO_10MHz_NTNV

5G NR n2 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1855	Outer_Full	9.06	10.02	/	Pass
	1880	Outer_Full	9.08	10.08	/	Pass
	1905	Outer_Full	9.07	10.04	/	Pass
DFT-s-OFDM QPSK	1855	Outer_Full	9.08	10.17	/	Pass
	1880	Outer_Full	9.06	10.03	/	Pass
	1905	Outer_Full	9.10	9.97	/	Pass
DFT-s-OFDM 16 QAM	1855	Outer_Full	9.09	10.12	/	Pass
	1880	Outer_Full	9.07	10.08	/	Pass
	1905	Outer_Full	9.08	10.06	/	Pass
DFT-s-OFDM 64 QAM	1855	Outer_Full	9.07	10.07	/	Pass
	1880	Outer_Full	9.08	10.07	/	Pass
	1905	Outer_Full	9.07	10.10	/	Pass
DFT-s-OFDM 256 QAM	1855	Outer_Full	9.07	10.05	/	Pass
	1880	Outer_Full	9.10	10.09	/	Pass
	1905	Outer_Full	9.06	9.96	/	Pass
CP-OFDM QPSK	1855	Outer_Full	9.40	10.36	/	Pass
	1880	Outer_Full	9.38	10.41	/	Pass
	1905	Outer_Full	9.42	10.48	/	Pass
CP-OFDM 16 QAM	1855	Outer_Full	9.42	10.55	/	Pass
	1880	Outer_Full	9.42	10.51	/	Pass
	1905	Outer_Full	9.41	10.43	/	Pass
CP-OFDM 64 QAM	1855	Outer_Full	9.44	10.41	/	Pass
	1880	Outer_Full	9.39	10.46	/	Pass
	1905	Outer_Full	9.43	10.40	/	Pass
CP-OFDM 256 QAM	1855	Outer_Full	9.41	10.15	/	Pass
	1880	Outer_Full	9.41	10.45	/	Pass
	1905	Outer_Full	9.42	10.42	/	Pass



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3.1.3 15k_SISO_15MHz_NTNV

5G NR n2 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1857.5	Outer_Full	13.58	14.78	/	Pass
	1880	Outer_Full	13.56	14.82	/	Pass
	1902.5	Outer_Full	13.62	14.86	/	Pass
DFT-s-OFDM QPSK	1857.5	Outer_Full	13.59	14.82	/	Pass
	1880	Outer_Full	13.60	14.59	/	Pass
	1902.5	Outer_Full	13.60	14.92	/	Pass
DFT-s-OFDM 16 QAM	1857.5	Outer_Full	13.59	14.87	/	Pass
	1880	Outer_Full	13.59	14.83	/	Pass
	1902.5	Outer_Full	13.62	14.73	/	Pass
DFT-s-OFDM 64 QAM	1857.5	Outer_Full	13.60	14.89	/	Pass
	1880	Outer_Full	13.57	14.91	/	Pass
	1902.5	Outer_Full	13.59	14.86	/	Pass
DFT-s-OFDM 256 QAM	1857.5	Outer_Full	13.58	14.86	/	Pass
	1880	Outer_Full	13.60	14.78	/	Pass
	1902.5	Outer_Full	13.59	14.90	/	Pass
CP-OFDM QPSK	1857.5	Outer_Full	14.30	15.57	/	Pass
	1880	Outer_Full	14.27	15.56	/	Pass
	1902.5	Outer_Full	14.28	15.60	/	Pass
CP-OFDM 16 QAM	1857.5	Outer_Full	14.30	15.28	/	Pass
	1880	Outer_Full	14.28	16.03	/	Pass
	1902.5	Outer_Full	14.29	15.59	/	Pass
CP-OFDM 64 QAM	1857.5	Outer_Full	14.28	15.64	/	Pass
	1880	Outer_Full	14.28	15.47	/	Pass
	1902.5	Outer_Full	14.35	15.69	/	Pass
CP-OFDM 256 QAM	1857.5	Outer_Full	14.28	15.52	/	Pass
	1880	Outer_Full	14.24	15.60	/	Pass
	1902.5	Outer_Full	14.29	15.49	/	Pass

3.1.4 15k_SISO_20MHz_NTNV

5G NR n2 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict



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DFT-s-OFDM PI/2 BPSK	1860	Outer_Full	18.10	19.49	/	Pass
	1880	Outer_Full	18.09	19.50	/	Pass
	1900	Outer_Full	18.15	19.57	/	Pass
DFT-s-OFDM QPSK	1860	Outer_Full	18.09	19.64	/	Pass
	1880	Outer_Full	18.07	19.59	/	Pass
	1900	Outer_Full	18.05	19.36	/	Pass
DFT-s-OFDM 16 QAM	1860	Outer_Full	18.07	19.56	/	Pass
	1880	Outer_Full	18.09	19.63	/	Pass
	1900	Outer_Full	18.14	19.52	/	Pass
DFT-s-OFDM 64 QAM	1860	Outer_Full	18.10	19.58	/	Pass
	1880	Outer_Full	18.03	19.72	/	Pass
	1900	Outer_Full	18.11	19.54	/	Pass
DFT-s-OFDM 256 QAM	1860	Outer_Full	18.05	19.53	/	Pass
	1880	Outer_Full	18.10	19.64	/	Pass
	1900	Outer_Full	18.05	19.10	/	Pass
CP-OFDM QPSK	1860	Outer_Full	19.15	21.36	/	Pass
	1880	Outer_Full	19.14	22.73	/	Pass
	1900	Outer_Full	19.14	21.12	/	Pass
CP-OFDM 16 QAM	1860	Outer_Full	19.25	20.55	/	Pass
	1880	Outer_Full	19.11	20.56	/	Pass
	1900	Outer_Full	19.22	21.18	/	Pass
CP-OFDM 64 QAM	1860	Outer_Full	19.14	20.59	/	Pass
	1880	Outer_Full	19.11	20.60	/	Pass
	1900	Outer_Full	19.18	20.62	/	Pass
CP-OFDM 256 QAM	1860	Outer_Full	19.14	20.55	/	Pass
	1880	Outer_Full	19.03	20.39	/	Pass
	1900	Outer_Full	19.17	20.59	/	Pass



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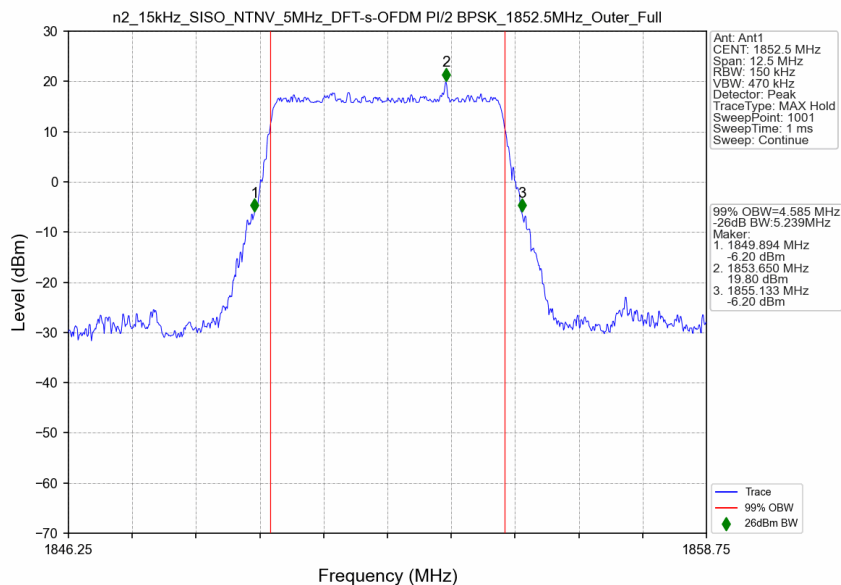
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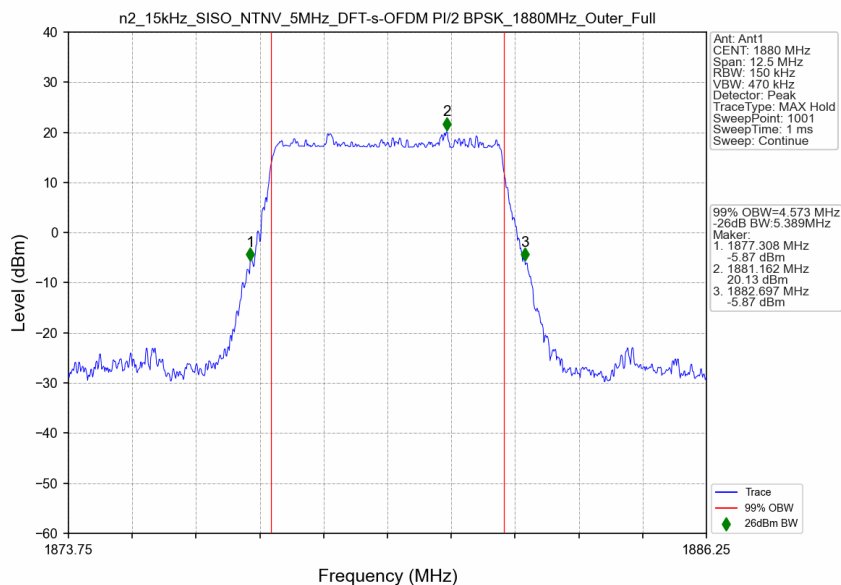
3.2 Test Graph

3.2.1 15k_SISO_5MHz_NTNV

n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1852.5MHz_Outer_Full



n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1880MHz_Outer_Full

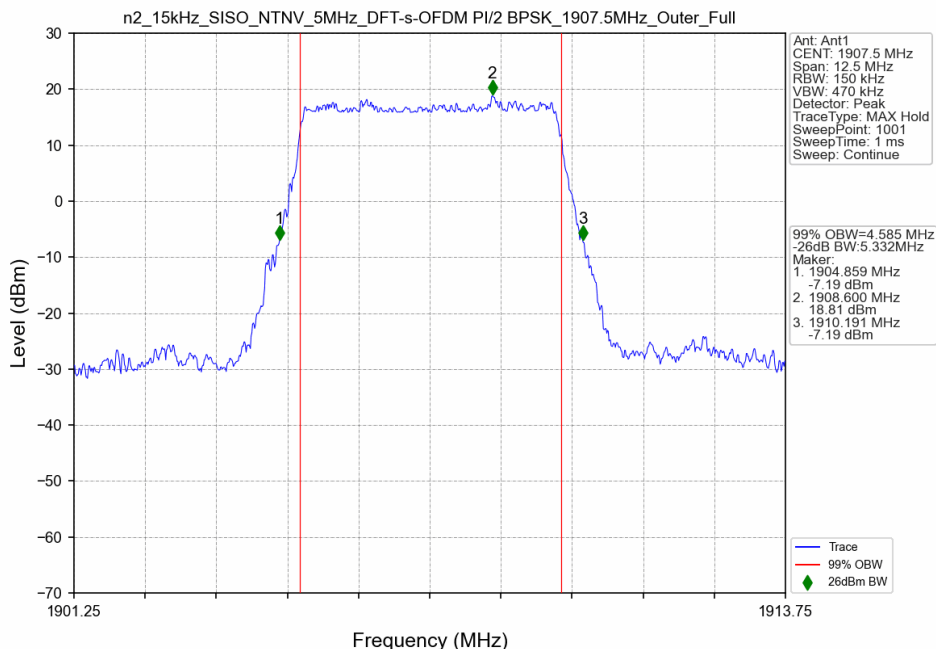


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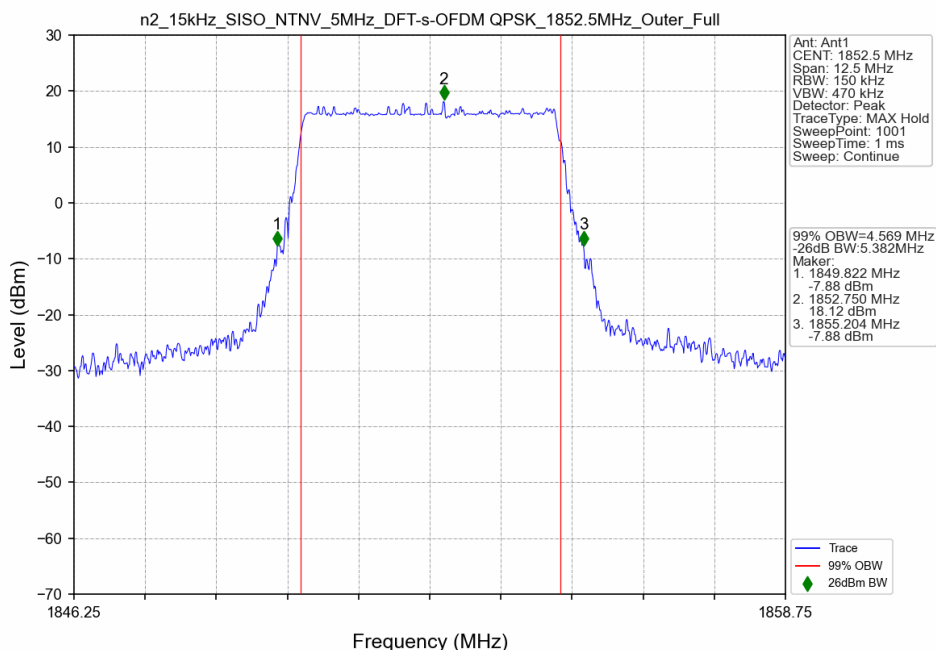
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1907.5MHz_Outer_Full



n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1852.5MHz_Outer_Full

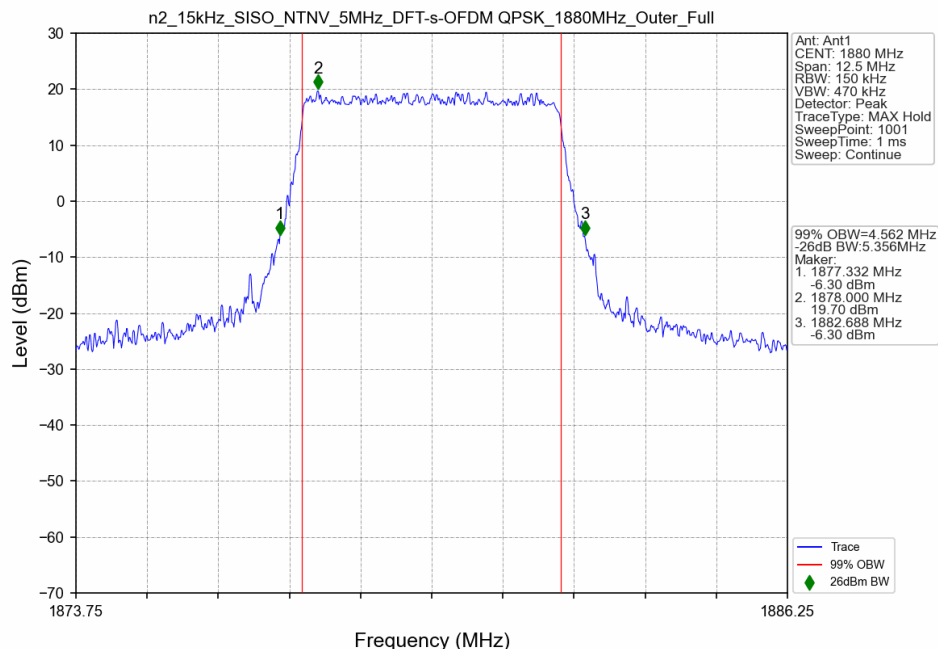


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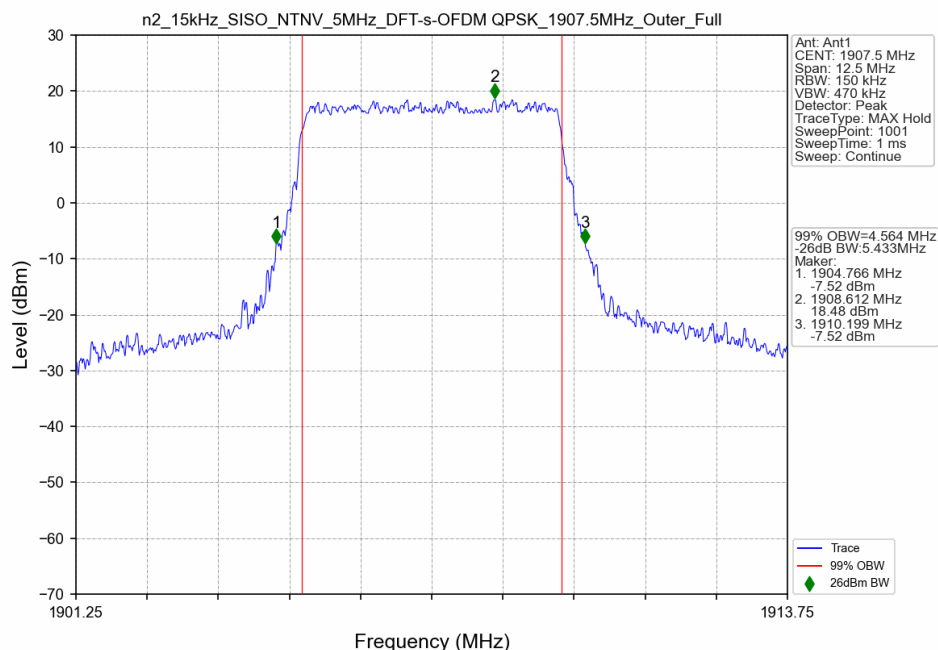
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1880MHz_Outer_Full



n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1907.5MHz_Outer_Full

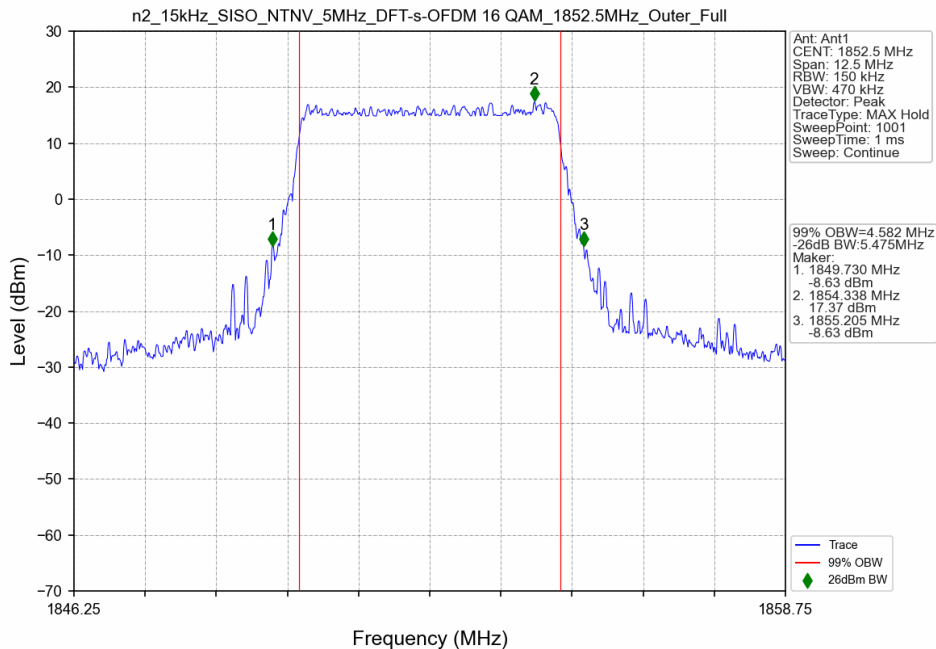


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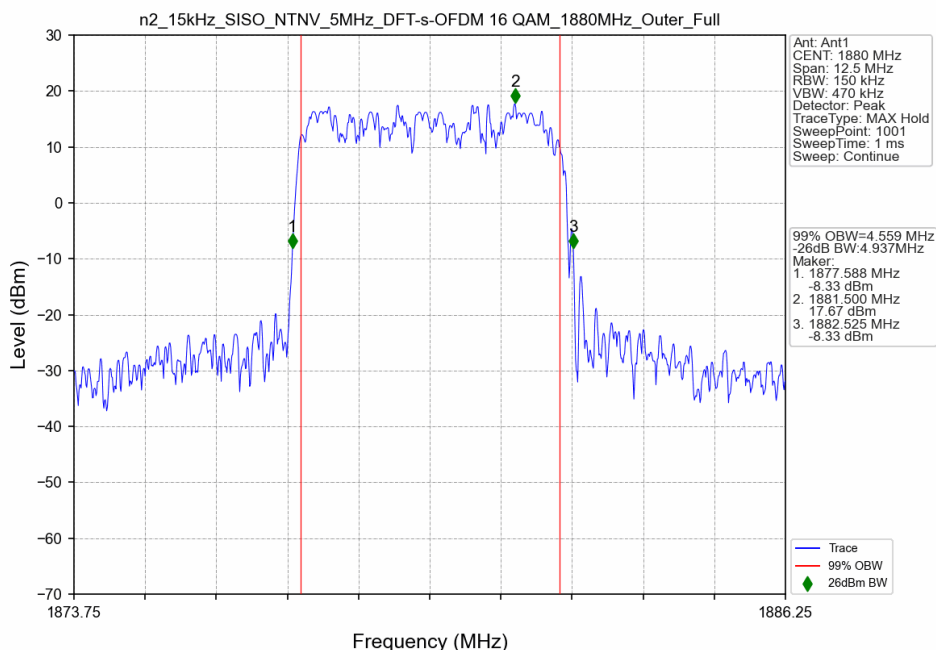
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_1852.5MHz_Outer_Full



n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_1880MHz_Outer_Full

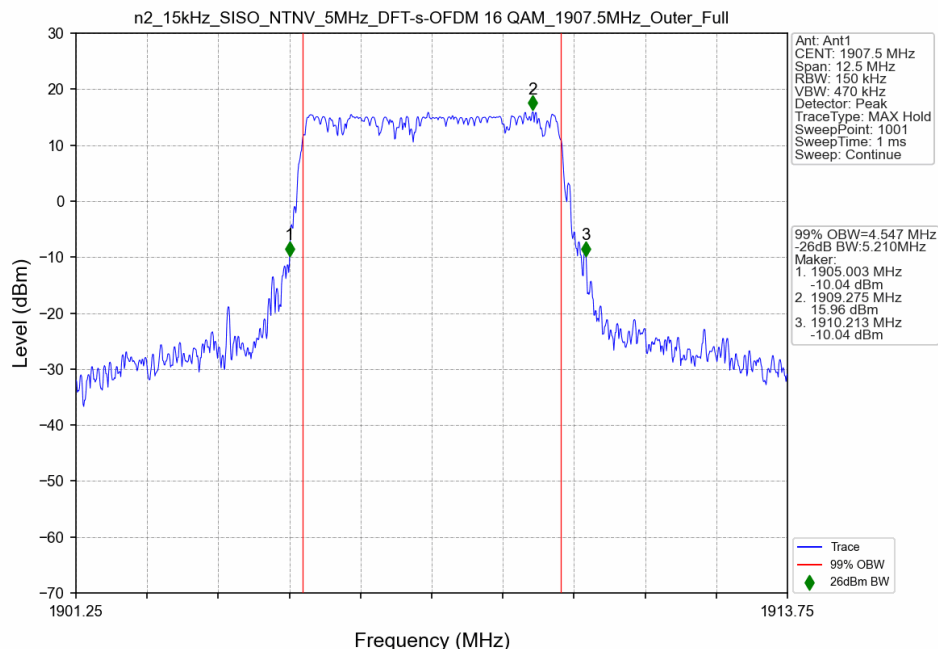


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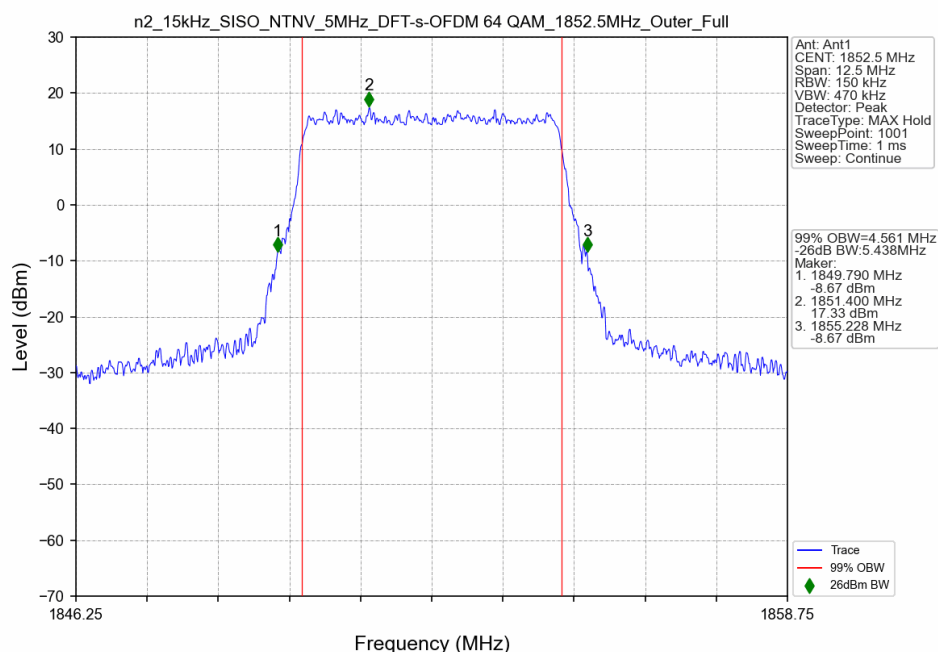
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_1852.5MHz_Outer_Full



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