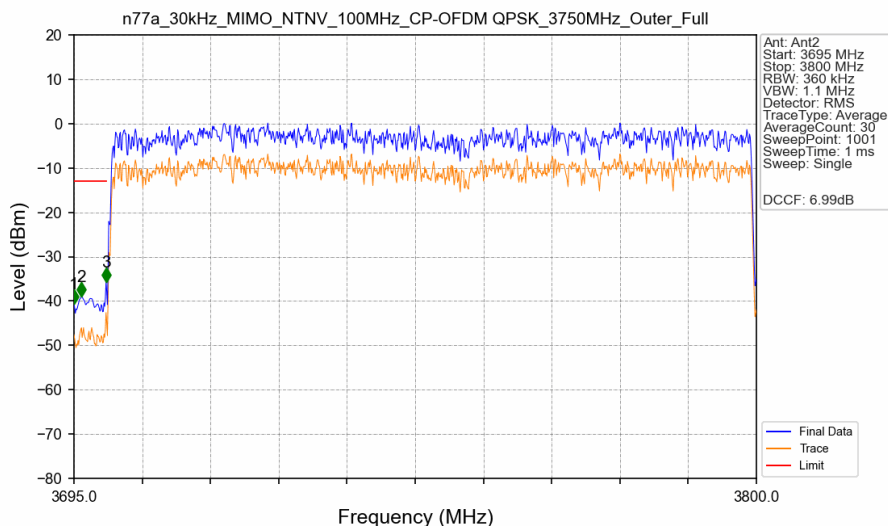
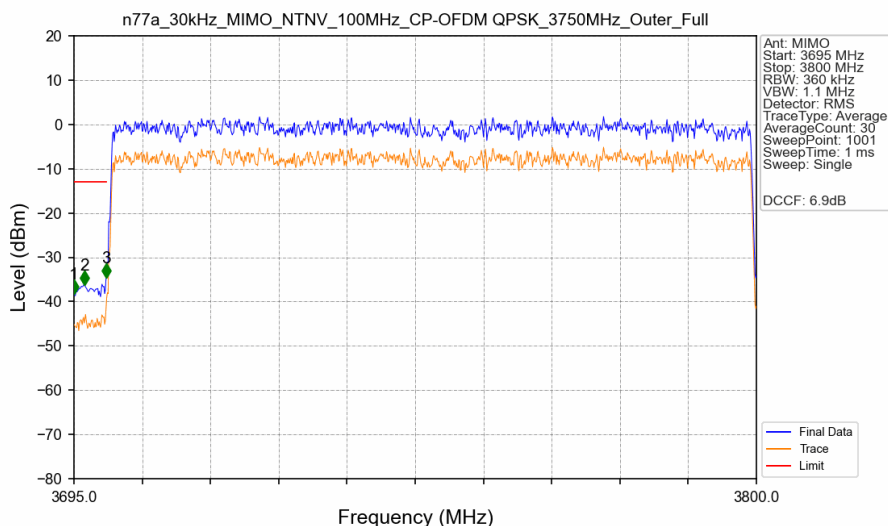


n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3750MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-40.63	-13	Pass
3695	3699	0.5	CHP	2	3696.155	-38.98	-13	Pass
3699	3700	0.36	/	3	3699.935	-35.63	-13	Pass
3700	3800	0.36	/	/	/	/	/	/

n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3750MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-38.24	-13	Pass
3695	3699	0.5	CHP	2	3696.575	-36.21	-13	Pass
3699	3700	0.36	/	3	3699.935	-34.66	-13	Pass
3700	3800	0.36	/	/	/	/	/	/

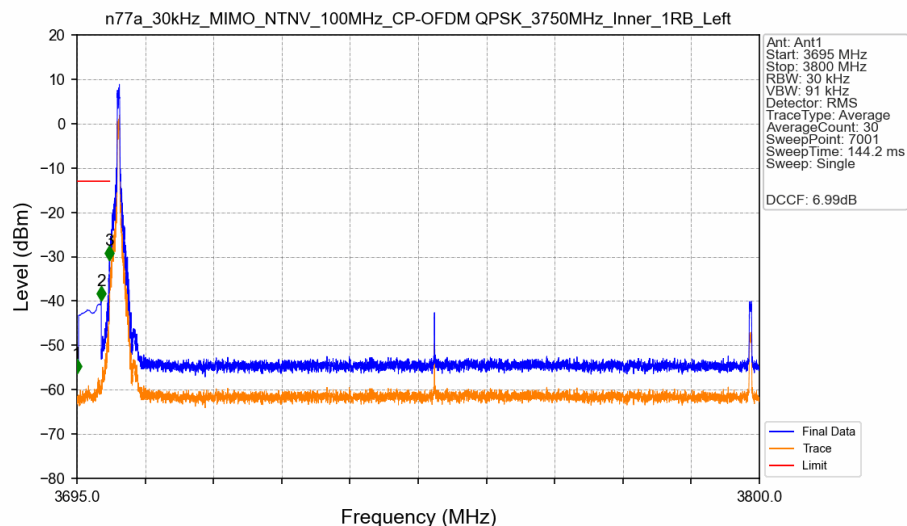


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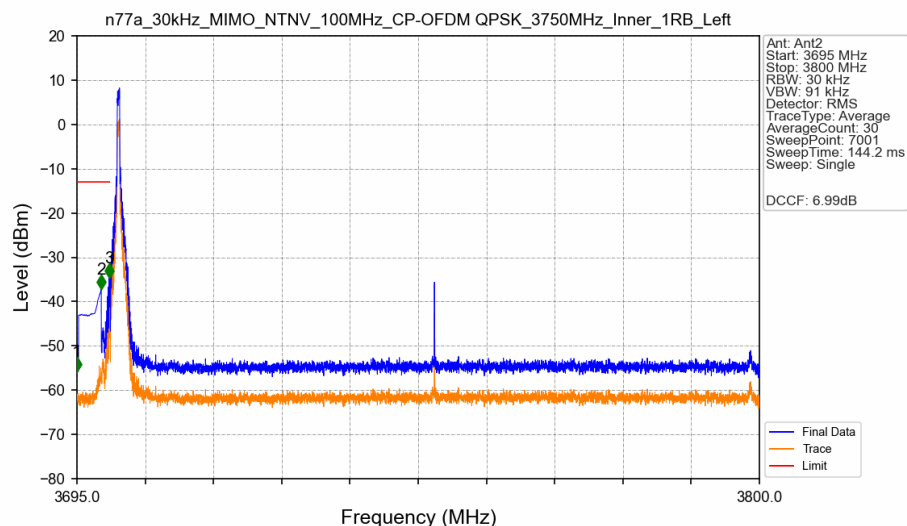
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n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3750MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-56.30	-13	Pass
3695	3699	0.5	CHP	2	3698.735	-39.95	-13	Pass
3699	3700	0.03	/	3	3699.995	-30.82	-13	Pass
3700	3800	0.03	/	/	/	/	/	/

n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3750MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-55.80	-13	Pass
3695	3699	0.5	CHP	2	3698.735	-37.22	-13	Pass
3699	3700	0.03	/	3	3699.935	-34.51	-13	Pass
3700	3800	0.03	/	/	/	/	/	/

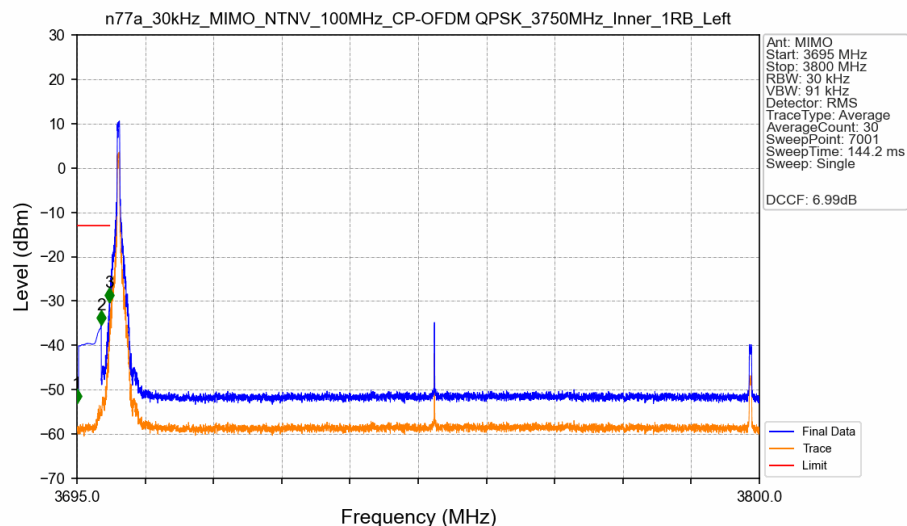


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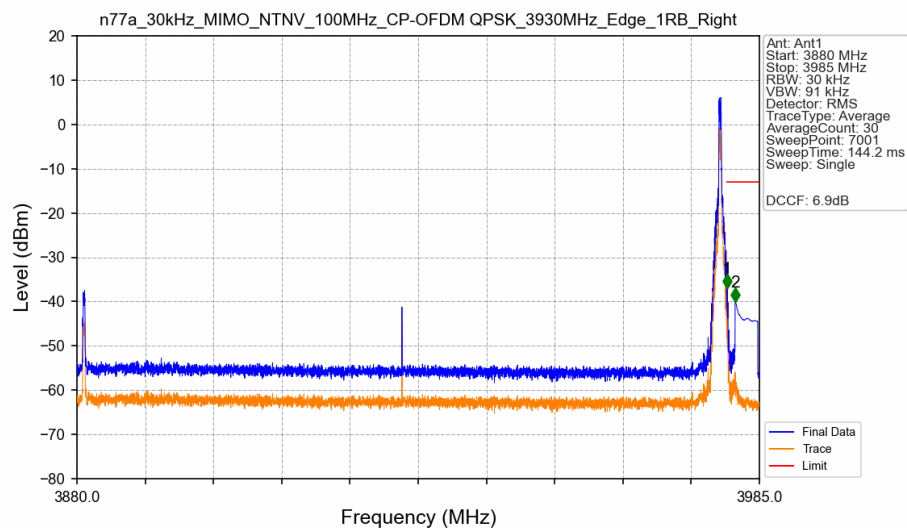
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n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3750MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-53.03	-13	Pass
3695	3699	0.5	CHP	2	3698.735	-35.36	-13	Pass
3699	3700	0.03	/	3	3699.995	-30.27	-13	Pass
3700	3800	0.03	/	/	/	/	/	/

n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	1	3980.020	-36.99	-13	Pass
3981	3985	0.5	CHP	2	3981.265	-40.07	-13	Pass

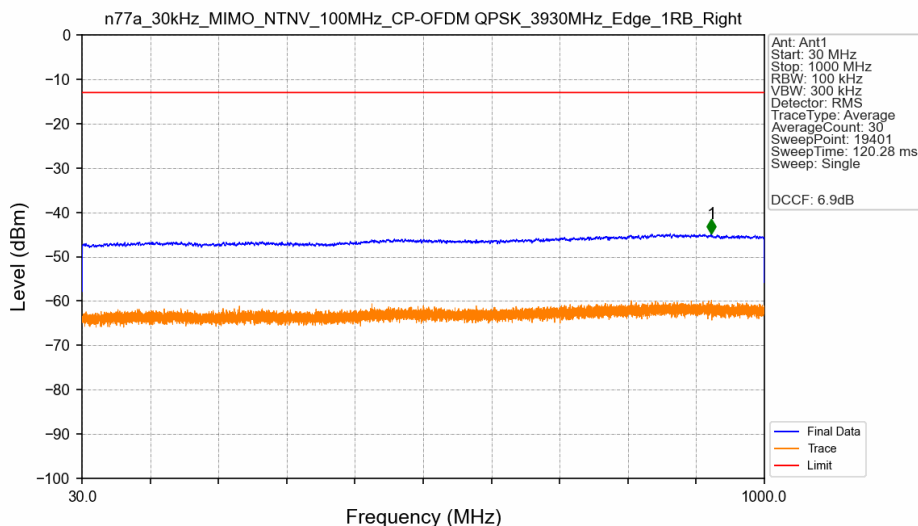


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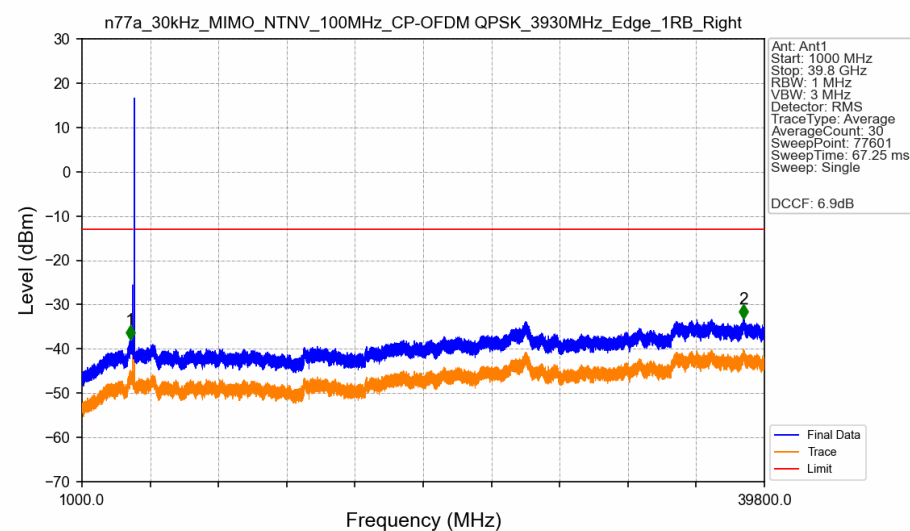
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n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right



n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right

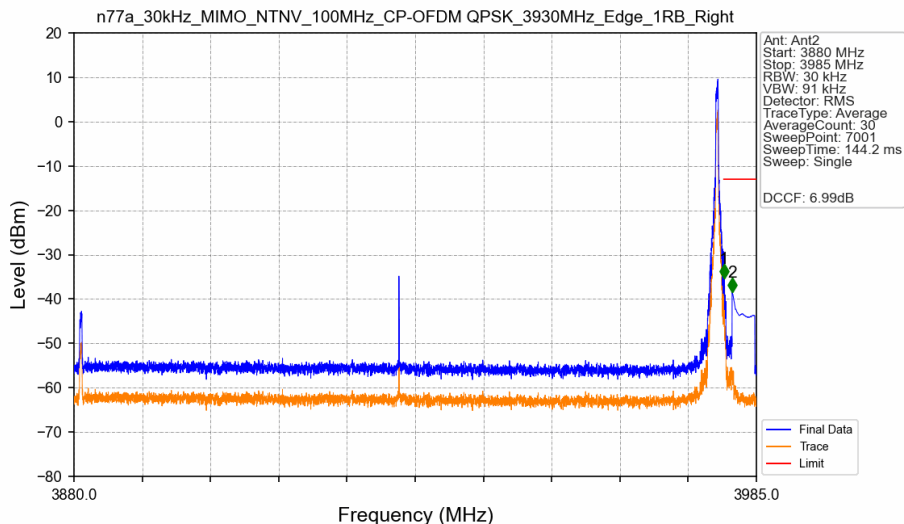


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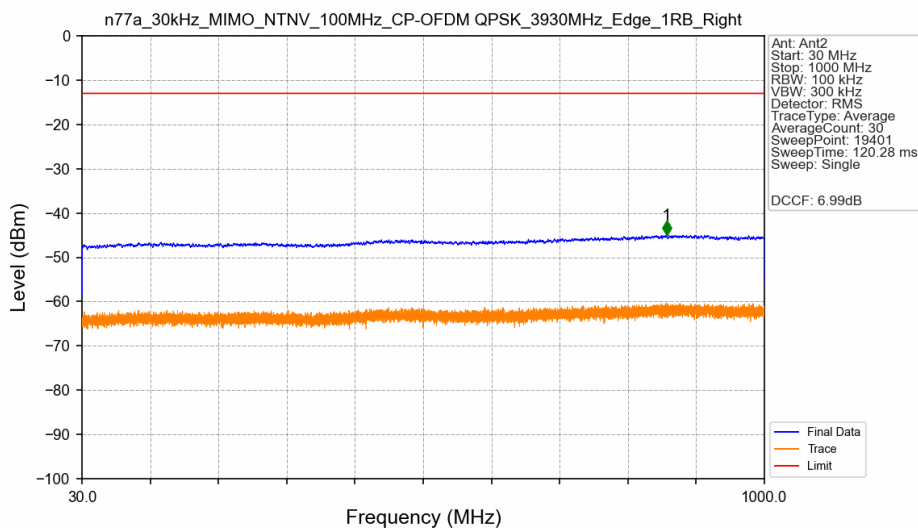
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n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	1	3980.020	-35.37	-13	Pass
3981	3985	0.5	CHP	2	3981.265	-38.41	-13	Pass

n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	860.850	-44.99	-13	Pass

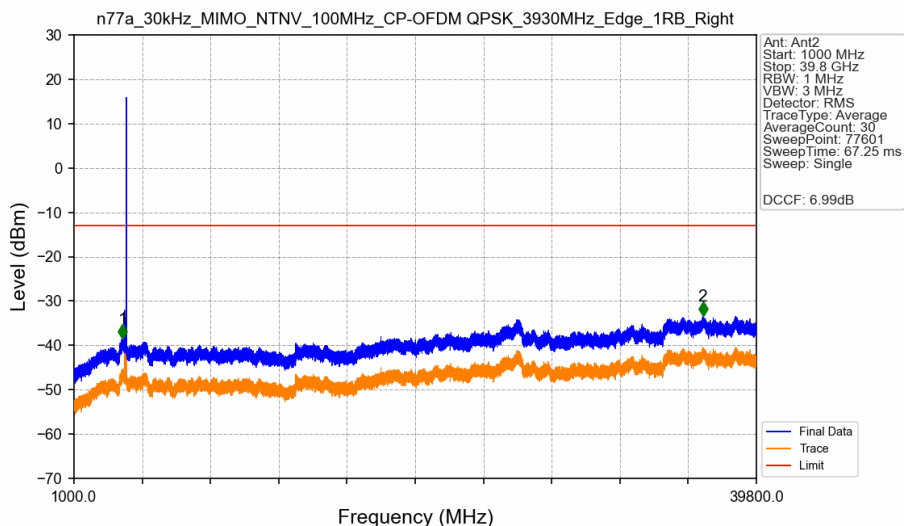


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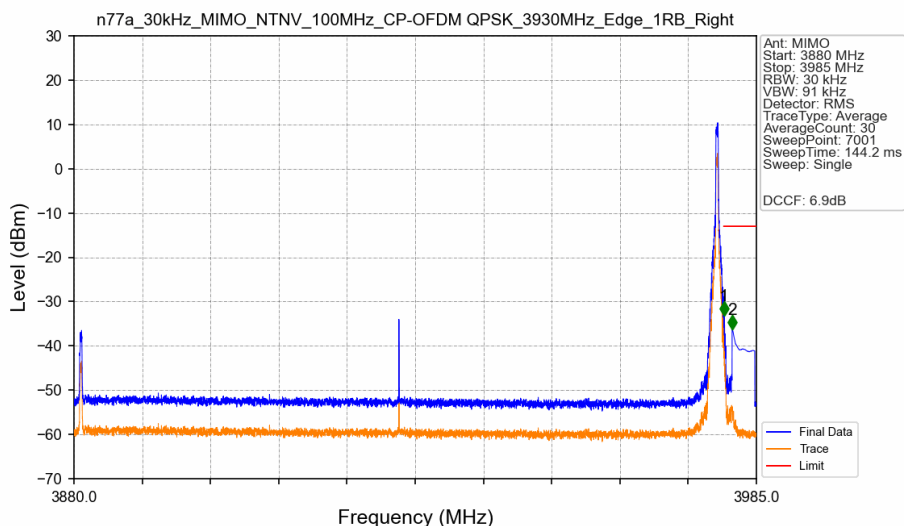
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n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3875	1	/	1	3771.000	-38.38	-13	Pass
3875	3985	1	/	/	/	/	/	/
3985	39800	1	/	2	36753.000	-33.38	-13	Pass

n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	1	3980.020	-33.15	-13	Pass
3981	3985	0.5	CHP	2	3981.265	-36.20	-13	Pass

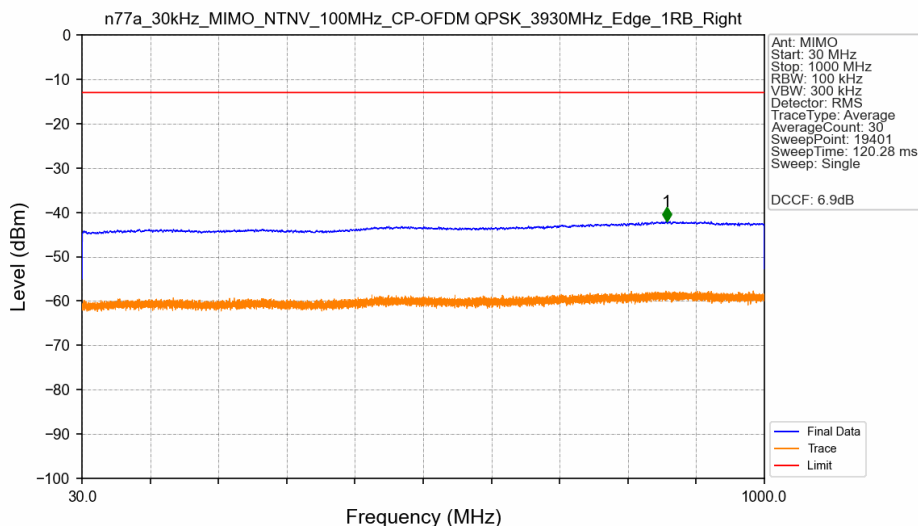


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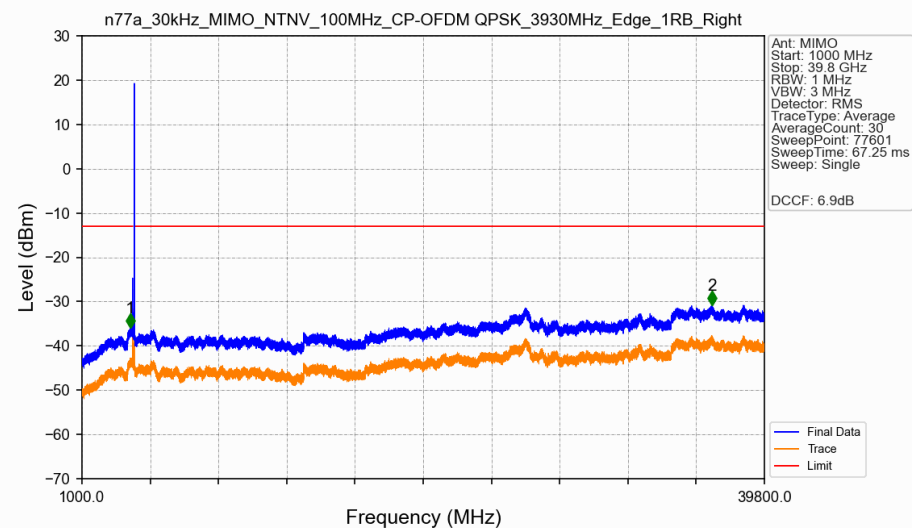
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n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right



n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right

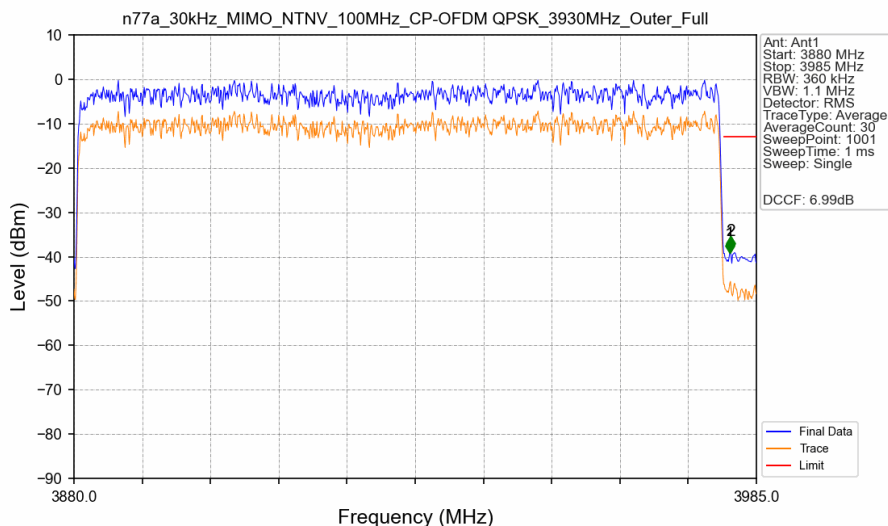


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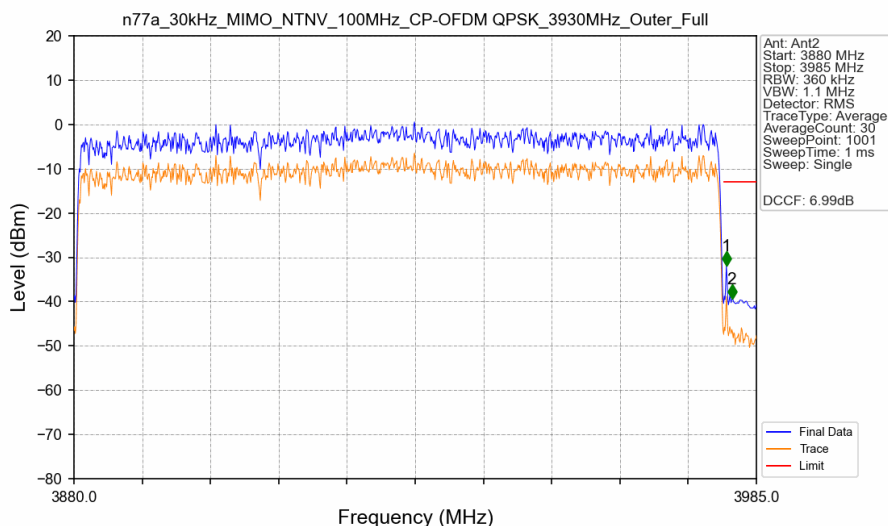
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n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.36	/	/	/	/	/	/
3980	3981	0.36	/	1	3980.905	-39.07	-13	Pass
3981	3985	0.5	CHP	2	3981.010	-38.60	-13	Pass

n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.36	/	/	/	/	/	/
3980	3981	0.36	/	1	3980.380	-31.86	-13	Pass
3981	3985	0.5	CHP	2	3981.220	-39.33	-13	Pass

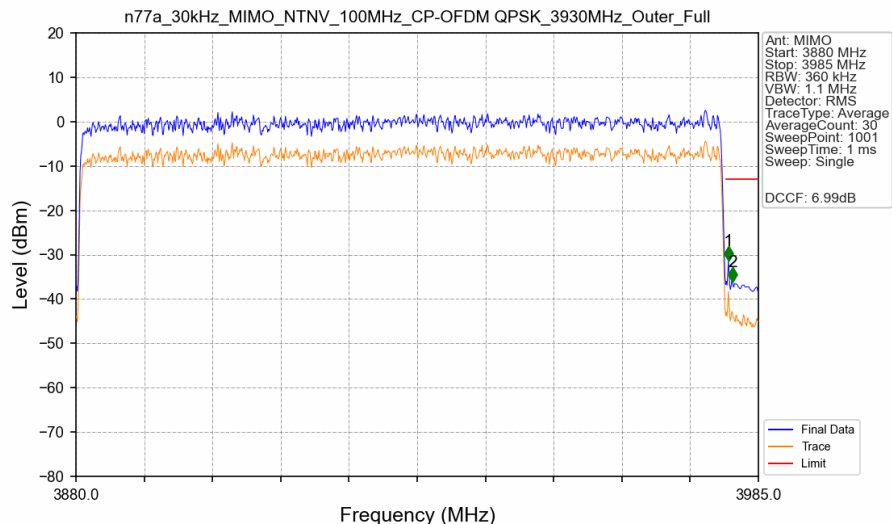


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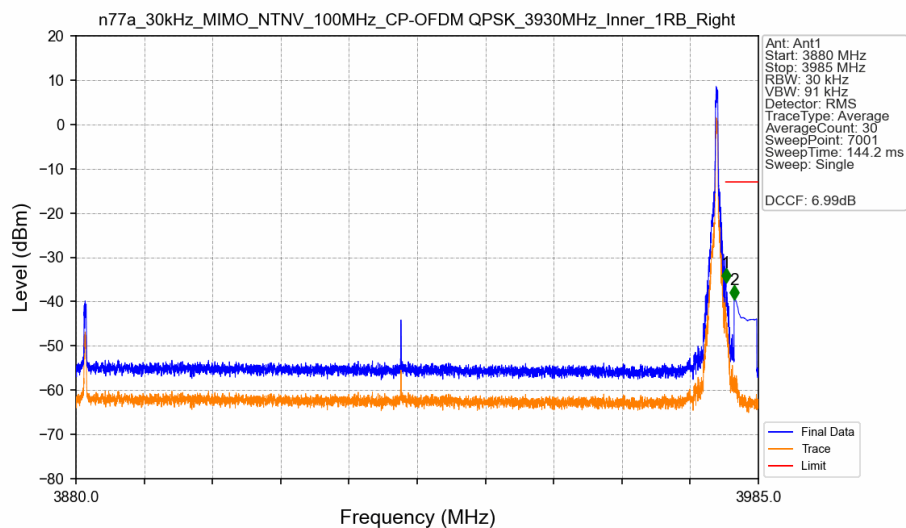
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n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.36	/	/	/	/	/	/
3980	3981	0.36	/	1	3980.380	-31.33	-13	Pass
3981	3985	0.5	CHP	2	3981.010	-36.01	-13	Pass

n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	1	3980.005	-35.65	-13	Pass
3981	3985	0.5	CHP	2	3981.265	-39.52	-13	Pass

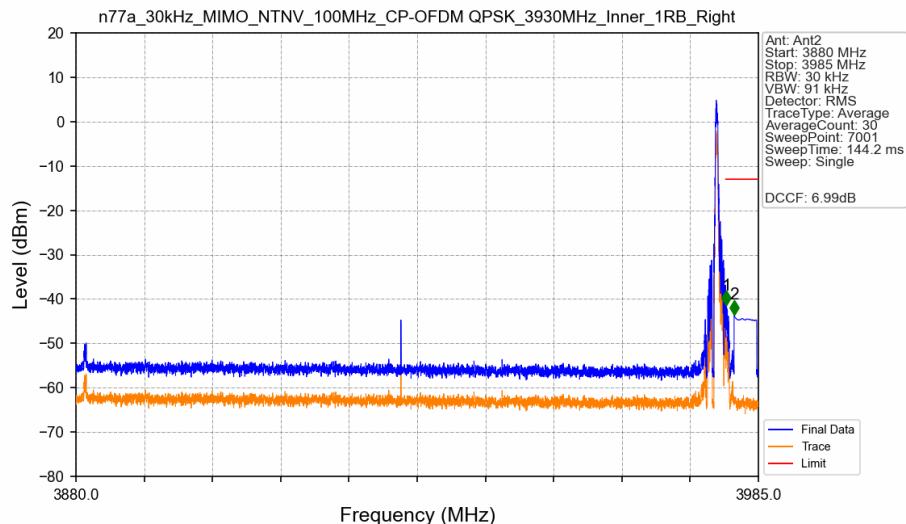


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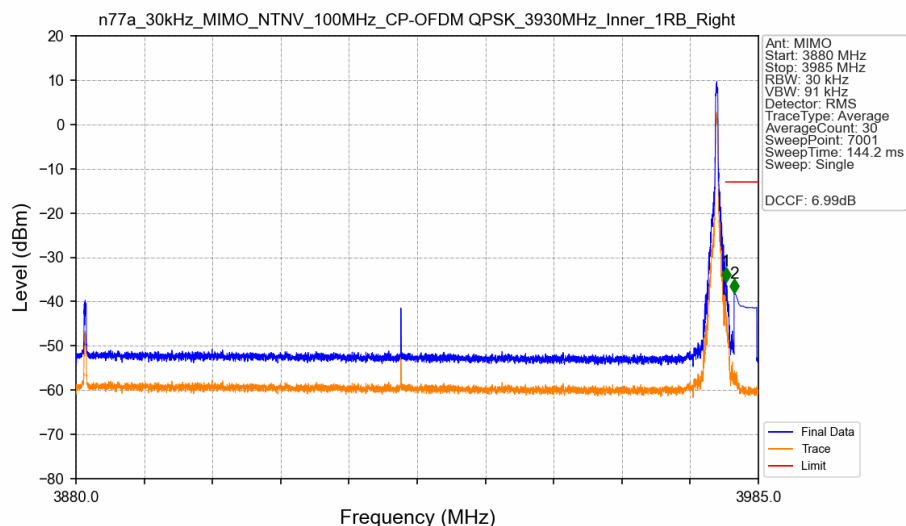
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n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	1	3980.095	-41.31	-13	Pass
3981	3985	0.5	CHP	2	3981.265	-43.42	-13	Pass

n77a_30kHz_MIMO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	1	3980.005	-35.41	-13	Pass
3981	3985	0.5	CHP	2	3981.265	-38.03	-13	Pass



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6. Field Strength of Spurious Radiation

NR Band 77-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7420.02	-49.96	-13	-36.96	-56.9	4.19	11.13	Horizontal	Pass
11130.03	-44.46	-13	-31.46	-52.66	5.07	13.27	Horizontal	Pass
14840.04	-40.88	-13	-27.88	-50.11	5.19	14.42	Horizontal	Pass
7420.02	-50.35	-13	-37.35	-57.29	4.19	11.13	Vertical	Pass
11130.03	-47.38	-13	-34.38	-55.58	5.07	13.27	Vertical	Pass
14840.04	-40.26	-13	-27.26	-49.49	5.19	14.42	Vertical	Pass
NR Band 77-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7680	-50.16	-13	-37.16	-57.68	4.22	11.74	Horizontal	Pass
11520	-45.52	-13	-32.52	-53.7	5.06	13.24	Horizontal	Pass
15360	-40.23	-13	-27.23	-49.19	5.56	14.52	Horizontal	Pass
7680	-48.74	-13	-35.74	-56.26	4.22	11.74	Vertical	Pass
11520	-44.65	-13	-31.65	-52.83	5.06	13.24	Vertical	Pass
15360	-40.69	-13	-27.69	-49.65	5.56	14.52	Vertical	Pass
NR Band 77-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7939.98	-48.62	-13	-35.62	-56.14	4.22	11.74	Horizontal	Pass
11909.97	-45.74	-13	-32.74	-53.92	5.06	13.24	Horizontal	Pass
15879.96	-40.33	-13	-27.33	-48.97	5.61	14.25	Horizontal	Pass
7939.98	-49.52	-13	-36.52	-57.04	4.22	11.74	Vertical	Pass
11909.97	-45.38	-13	-32.38	-53.56	5.06	13.24	Vertical	Pass
15879.96	-40.23	-13	-27.23	-48.87	5.61	14.25	Vertical	Pass



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3450MHz-3550MHz

1.1.12 30k_MIMO_10MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3455.01	Edge_1RB_Left	19.45	19.66	22.57	24.20	24.41	27.32	<=30	Pass
		Edge_1RB_Right	19.41	19.22	22.33	24.16	23.97	27.08	<=30	Pass
		Outer_Full	19.76	19.93	22.86	24.51	24.68	27.61	<=30	Pass
		Inner_Full	19.88	19.86	22.88	24.63	24.61	27.63	<=30	Pass
		Inner_1RB_Left	19.75	19.90	22.84	24.50	24.65	27.59	<=30	Pass
		Inner_1RB_Right	19.96	19.91	22.94	24.71	24.66	27.70	<=30	Pass
	3500.01	Edge_1RB_Left	19.34	19.69	22.53	24.09	24.44	27.28	<=30	Pass
		Edge_1RB_Right	19.44	19.64	22.55	24.19	24.39	27.30	<=30	Pass
		Outer_Full	19.82	20.31	23.08	24.57	25.06	27.83	<=30	Pass
		Inner_Full	19.85	20.18	23.03	24.60	24.93	27.78	<=30	Pass
		Inner_1RB_Left	19.85	20.17	23.03	24.60	24.92	27.77	<=30	Pass
		Inner_1RB_Right	19.94	20.15	23.06	24.69	24.90	27.81	<=30	Pass
	3544.98	Edge_1RB_Left	19.62	19.98	22.81	24.37	24.73	27.56	<=30	Pass
		Edge_1RB_Right	19.84	20.11	22.99	24.59	24.86	27.74	<=30	Pass
		Outer_Full	20.14	20.68	23.43	24.89	25.43	28.18	<=30	Pass
		Inner_Full	20.12	20.63	23.39	24.87	25.38	28.14	<=30	Pass
		Inner_1RB_Left	19.91	20.60	23.28	24.66	25.35	28.03	<=30	Pass
		Inner_1RB_Right	20.33	20.59	23.47	25.08	25.34	28.22	<=30	Pass
CP-OFDM 16 QAM	3455.01	Edge_1RB_Left	19.25	19.58	22.43	24.00	24.33	27.18	<=30	Pass
		Edge_1RB_Right	19.27	19.37	22.33	24.02	24.12	27.08	<=30	Pass
		Outer_Full	19.93	19.96	22.96	24.68	24.71	27.71	<=30	Pass
		Inner_Full	19.86	19.93	22.91	24.61	24.68	27.66	<=30	Pass
		Inner_1RB_Left	19.80	20.01	22.91	24.55	24.76	27.67	<=30	Pass
		Inner_1RB_Right	19.99	19.95	22.98	24.74	24.70	27.73	<=30	Pass
	3500.01	Edge_1RB_Left	19.34	19.78	22.58	24.09	24.53	27.33	<=30	Pass
		Edge_1RB_Right	19.53	19.60	22.58	24.28	24.35	27.33	<=30	Pass
		Outer_Full	19.88	20.20	23.05	24.63	24.95	27.80	<=30	Pass
		Inner_Full	19.89	20.24	23.08	24.64	24.99	27.83	<=30	Pass
		Inner_1RB_Left	19.94	20.28	23.12	24.69	25.03	27.87	<=30	Pass
		Inner_1RB_Right	19.78	20.40	23.11	24.53	25.15	27.86	<=30	Pass
	3544.98	Edge_1RB_Left	19.50	20.18	22.86	24.25	24.93	27.61	<=30	Pass
		Edge_1RB_Right	19.84	20.29	23.08	24.59	25.04	27.83	<=30	Pass



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		Outer_Full	20.12	20.57	23.36	24.87	25.32	28.11	<=30	Pass
		Inner_Full	20.08	20.54	23.32	24.83	25.29	28.08	<=30	Pass
		Inner_1RB_Left	19.88	20.52	23.22	24.63	25.27	27.97	<=30	Pass
		Inner_1RB_Right	20.51	20.84	23.69	25.26	25.59	28.44	<=30	Pass
CP-OFDM 64 QAM	3455.01	Edge_1RB_Left	19.17	19.43	22.31	23.92	24.18	27.06	<=30	Pass
		Edge_1RB_Right	19.39	19.40	22.41	24.14	24.15	27.16	<=30	Pass
		Outer_Full	19.36	19.45	22.42	24.11	24.20	27.17	<=30	Pass
		Inner_Full	19.35	19.34	22.35	24.10	24.09	27.11	<=30	Pass
		Inner_1RB_Left	19.14	19.52	22.35	23.89	24.27	27.09	<=30	Pass
		Inner_1RB_Right	19.44	19.47	22.46	24.19	24.22	27.22	<=30	Pass
	3500.01	Edge_1RB_Left	19.34	19.76	22.57	24.09	24.51	27.32	<=30	Pass
		Edge_1RB_Right	19.46	19.61	22.55	24.21	24.36	27.30	<=30	Pass
		Outer_Full	19.42	19.70	22.57	24.17	24.45	27.32	<=30	Pass
		Inner_Full	19.33	19.67	22.51	24.08	24.42	27.26	<=30	Pass
		Inner_1RB_Left	19.37	19.69	22.55	24.12	24.44	27.29	<=30	Pass
		Inner_1RB_Right	19.26	19.80	22.55	24.01	24.55	27.30	<=30	Pass
	3544.98	Edge_1RB_Left	19.44	20.10	22.79	24.19	24.85	27.54	<=30	Pass
		Edge_1RB_Right	19.70	20.04	22.88	24.45	24.79	27.63	<=30	Pass
		Outer_Full	19.64	20.12	22.90	24.39	24.87	27.65	<=30	Pass
		Inner_Full	19.64	20.12	22.90	24.39	24.87	27.65	<=30	Pass
		Inner_1RB_Left	19.62	20.19	22.92	24.37	24.94	27.67	<=30	Pass
		Inner_1RB_Right	19.96	20.07	23.02	24.71	24.82	27.78	<=30	Pass
CP-OFDM 256 QAM	3455.01	Edge_1RB_Left	16.45	16.49	19.48	21.20	21.24	24.23	<=30	Pass
		Edge_1RB_Right	16.32	16.41	19.37	21.07	21.16	24.13	<=30	Pass
		Outer_Full	16.37	16.43	19.41	21.12	21.18	24.16	<=30	Pass
		Inner_Full	16.33	16.44	19.40	21.08	21.19	24.15	<=30	Pass
		Inner_1RB_Left	16.10	16.39	19.25	20.85	21.14	24.01	<=30	Pass
		Inner_1RB_Right	16.39	16.43	19.42	21.14	21.18	24.17	<=30	Pass
	3500.01	Edge_1RB_Left	16.04	16.79	19.44	20.79	21.54	24.19	<=30	Pass
		Edge_1RB_Right	16.37	16.82	19.61	21.12	21.57	24.36	<=30	Pass
		Outer_Full	16.40	16.78	19.61	21.15	21.53	24.35	<=30	Pass
		Inner_Full	16.33	16.69	19.52	21.08	21.44	24.27	<=30	Pass
		Inner_1RB_Left	15.90	16.66	19.31	20.65	21.41	24.06	<=30	Pass
		Inner_1RB_Right	16.35	16.62	19.50	21.10	21.37	24.25	<=30	Pass
	3544.98	Edge_1RB_Left	16.45	17.13	19.81	21.20	21.88	24.56	<=30	Pass
		Edge_1RB_Right	16.79	17.00	19.91	21.54	21.75	24.66	<=30	Pass
		Outer_Full	16.71	17.18	19.96	21.46	21.93	24.71	<=30	Pass



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	Inner_Full	16.67	17.02	19.86	21.42	21.77	24.61	<=30	Pass
	Inner_1RB_Left	16.64	17.07	19.87	21.39	21.82	24.62	<=30	Pass
	Inner_1RB_Right	16.65	17.22	19.95	21.40	21.97	24.70	<=30	Pass

Note1: Antenna Gain: Ant1: 4.75dBi; Ant2: 4.75dBi;
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

1.1.13 30k_MIMO_15MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3457.5	Edge_1RB_Left	19.43	19.64	22.54	24.18	24.39	27.30	<=30	Pass
		Edge_1RB_Right	19.78	19.57	22.69	24.53	24.32	27.44	<=30	Pass
		Outer_Full	20.01	20.02	23.03	24.76	24.77	27.78	<=30	Pass
		Inner_Full	19.99	20.00	23.01	24.74	24.75	27.76	<=30	Pass
		Inner_1RB_Left	19.92	20.13	23.04	24.67	24.88	27.79	<=30	Pass
		Inner_1RB_Right	20.19	19.99	23.10	24.94	24.74	27.85	<=30	Pass
	3500.01	Edge_1RB_Left	19.52	19.85	22.70	24.27	24.60	27.45	<=30	Pass
		Edge_1RB_Right	19.53	19.89	22.72	24.28	24.64	27.47	<=30	Pass
		Outer_Full	19.91	20.28	23.11	24.66	25.03	27.86	<=30	Pass
		Inner_Full	19.86	20.31	23.10	24.61	25.06	27.85	<=30	Pass
		Inner_1RB_Left	20.00	20.35	23.19	24.75	25.10	27.94	<=30	Pass
		Inner_1RB_Right	20.19	20.33	23.27	24.94	25.08	28.02	<=30	Pass
	3542.49	Edge_1RB_Left	19.48	20.24	22.89	24.23	24.99	27.64	<=30	Pass
		Edge_1RB_Right	19.98	20.25	23.13	24.73	25.00	27.88	<=30	Pass
		Outer_Full	20.10	20.68	23.41	24.85	25.43	28.16	<=30	Pass
		Inner_Full	20.13	20.71	23.44	24.88	25.46	28.19	<=30	Pass
		Inner_1RB_Left	19.90	20.71	23.34	24.65	25.46	28.08	<=30	Pass
		Inner_1RB_Right	20.31	20.63	23.48	25.06	25.38	28.23	<=30	Pass
CP-OFDM 16 QAM	3457.5	Edge_1RB_Left	19.38	19.89	22.65	24.13	24.64	27.40	<=30	Pass
		Edge_1RB_Right	19.89	19.30	22.62	24.64	24.05	27.37	<=30	Pass
		Outer_Full	19.98	20.00	23.00	24.73	24.75	27.75	<=30	Pass
		Inner_Full	20.13	20.03	23.09	24.88	24.78	27.84	<=30	Pass
		Inner_1RB_Left	19.80	20.22	23.03	24.55	24.97	27.78	<=30	Pass
		Inner_1RB_Right	20.13	20.09	23.12	24.88	24.84	27.87	<=30	Pass
	3500.01	Edge_1RB_Left	19.29	19.95	22.64	24.04	24.70	27.39	<=30	Pass



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		Edge_1RB_Right	19.53	19.90	22.72	24.28	24.65	27.48	<=30	Pass
		Outer_Full	19.92	20.29	23.12	24.67	25.04	27.87	<=30	Pass
		Inner_Full	19.90	20.35	23.14	24.65	25.10	27.89	<=30	Pass
		Inner_1RB_Left	19.82	20.48	23.17	24.57	25.23	27.92	<=30	Pass
		Inner_1RB_Right	20.09	20.46	23.29	24.84	25.21	28.04	<=30	Pass
	3542.49	Edge_1RB_Left	19.46	20.29	22.91	24.21	25.04	27.66	<=30	Pass
		Edge_1RB_Right	19.81	20.14	22.99	24.56	24.89	27.74	<=30	Pass
		Outer_Full	20.10	20.69	23.41	24.85	25.44	28.17	<=30	Pass
		Inner_Full	20.07	20.76	23.44	24.82	25.51	28.19	<=30	Pass
		Inner_1RB_Left	20.01	20.56	23.30	24.76	25.31	28.05	<=30	Pass
		Inner_1RB_Right	20.33	20.78	23.57	25.08	25.53	28.32	<=30	Pass
CP-OFDM 64 QAM	3457.5	Edge_1RB_Left	19.65	19.79	22.73	24.40	24.54	27.48	<=30	Pass
		Edge_1RB_Right	19.74	19.41	22.59	24.49	24.16	27.34	<=30	Pass
		Outer_Full	19.54	19.51	22.53	24.29	24.26	27.29	<=30	Pass
		Inner_Full	19.48	19.47	22.49	24.23	24.22	27.24	<=30	Pass
		Inner_1RB_Left	19.47	19.64	22.56	24.22	24.39	27.32	<=30	Pass
		Inner_1RB_Right	19.73	19.37	22.56	24.48	24.12	27.31	<=30	Pass
	3500.01	Edge_1RB_Left	19.41	19.96	22.71	24.16	24.71	27.45	<=30	Pass
		Edge_1RB_Right	19.57	19.91	22.75	24.32	24.66	27.50	<=30	Pass
		Outer_Full	19.39	19.78	22.60	24.14	24.53	27.35	<=30	Pass
		Inner_Full	19.44	19.81	22.64	24.19	24.56	27.39	<=30	Pass
		Inner_1RB_Left	19.53	19.91	22.74	24.28	24.66	27.48	<=30	Pass
		Inner_1RB_Right	19.64	19.93	22.80	24.39	24.68	27.55	<=30	Pass
	3542.49	Edge_1RB_Left	19.61	20.33	22.99	24.36	25.08	27.75	<=30	Pass
		Edge_1RB_Right	19.80	20.25	23.04	24.55	25.00	27.79	<=30	Pass
		Outer_Full	19.62	20.23	22.95	24.37	24.98	27.70	<=30	Pass
		Inner_Full	19.61	20.17	22.91	24.36	24.92	27.66	<=30	Pass
		Inner_1RB_Left	19.35	20.39	22.91	24.10	25.14	27.66	<=30	Pass
		Inner_1RB_Right	19.73	20.31	23.04	24.48	25.06	27.79	<=30	Pass
CP-OFDM 256 QAM	3457.5	Edge_1RB_Left	16.35	16.78	19.58	21.10	21.53	24.33	<=30	Pass
		Edge_1RB_Right	16.76	16.41	19.60	21.51	21.16	24.35	<=30	Pass
		Outer_Full	16.54	16.59	19.57	21.29	21.34	24.33	<=30	Pass
		Inner_Full	16.59	16.46	19.54	21.34	21.21	24.29	<=30	Pass
		Inner_1RB_Left	16.53	16.62	19.59	21.28	21.37	24.34	<=30	Pass
		Inner_1RB_Right	16.67	16.41	19.55	21.42	21.16	24.30	<=30	Pass
	3500.01	Edge_1RB_Left	16.35	16.90	19.65	21.10	21.65	24.39	<=30	Pass
		Edge_1RB_Right	16.63	16.94	19.80	21.38	21.69	24.55	<=30	Pass



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		Outer_Full	16.42	16.86	19.66	21.17	21.61	24.41	<=30	Pass
		Inner_Full	16.33	16.81	19.59	21.08	21.56	24.34	<=30	Pass
		Inner_1RB_Left	16.22	16.98	19.63	20.97	21.73	24.38	<=30	Pass
		Inner_1RB_Right	16.66	16.88	19.78	21.41	21.63	24.53	<=30	Pass
	3542.49	Edge_1RB_Left	16.21	17.33	19.82	20.96	22.08	24.57	<=30	Pass
		Edge_1RB_Right	16.82	17.16	20.01	21.57	21.91	24.75	<=30	Pass
		Outer_Full	16.63	17.24	19.96	21.38	21.99	24.71	<=30	Pass
		Inner_Full	16.65	17.21	19.95	21.40	21.96	24.70	<=30	Pass
		Inner_1RB_Left	16.36	17.29	19.86	21.11	22.04	24.61	<=30	Pass
		Inner_1RB_Right	16.69	17.07	19.89	21.44	21.82	24.64	<=30	Pass

Note1: Antenna Gain: Ant1: 4.75dBi; Ant2: 4.75dBi;
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

1.1.14 30k_MIMO_20MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3460.02	Edge_1RB_Left	19.44	19.70	22.58	24.19	24.45	27.33	<=30	Pass
		Edge_1RB_Right	19.71	19.52	22.63	24.46	24.27	27.38	<=30	Pass
		Outer_Full	20.09	20.10	23.11	24.84	24.85	27.86	<=30	Pass
		Inner_Full	20.13	20.02	23.09	24.88	24.77	27.84	<=30	Pass
		Inner_1RB_Left	19.90	20.29	23.11	24.65	25.04	27.86	<=30	Pass
		Inner_1RB_Right	20.29	20.12	23.21	25.04	24.87	27.97	<=30	Pass
	3500.01	Edge_1RB_Left	19.43	19.93	22.70	24.18	24.68	27.45	<=30	Pass
		Edge_1RB_Right	19.51	19.83	22.69	24.26	24.58	27.43	<=30	Pass
		Outer_Full	20.01	20.23	23.13	24.76	24.98	27.88	<=30	Pass
		Inner_Full	19.92	20.37	23.16	24.67	25.12	27.91	<=30	Pass
		Inner_1RB_Left	19.80	20.36	23.10	24.55	25.11	27.85	<=30	Pass
		Inner_1RB_Right	19.97	20.27	23.13	24.72	25.02	27.88	<=30	Pass
	3540	Edge_1RB_Left	19.28	20.18	22.76	24.03	24.93	27.51	<=30	Pass
		Edge_1RB_Right	19.89	20.12	23.02	24.64	24.87	27.77	<=30	Pass
		Outer_Full	19.92	20.63	23.30	24.67	25.38	28.05	<=30	Pass
		Inner_Full	19.96	20.62	23.32	24.71	25.37	28.06	<=30	Pass
		Inner_1RB_Left	19.80	20.66	23.26	24.55	25.41	28.01	<=30	Pass
		Inner_1RB_Right	20.44	20.60	23.53	25.19	25.35	28.28	<=30	Pass



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CP-OFDM 16 QAM	3460.02	Edge_1RB_Left	19.37	19.65	22.52	24.12	24.40	27.27	<=30	Pass
		Edge_1RB_Right	19.84	19.55	22.71	24.59	24.30	27.46	<=30	Pass
		Outer_Full	20.09	20.02	23.06	24.84	24.77	27.82	<=30	Pass
		Inner_Full	20.15	19.98	23.08	24.90	24.73	27.83	<=30	Pass
		Inner_1RB_Left	19.98	20.18	23.09	24.73	24.93	27.84	<=30	Pass
		Inner_1RB_Right	20.28	20.22	23.26	25.03	24.97	28.01	<=30	Pass
	3500.01	Edge_1RB_Left	19.41	19.83	22.64	24.16	24.58	27.39	<=30	Pass
		Edge_1RB_Right	19.69	19.90	22.81	24.44	24.65	27.56	<=30	Pass
		Outer_Full	19.93	20.25	23.10	24.68	25.00	27.85	<=30	Pass
		Inner_Full	19.91	20.21	23.08	24.66	24.96	27.82	<=30	Pass
		Inner_1RB_Left	19.93	20.54	23.26	24.68	25.29	28.01	<=30	Pass
		Inner_1RB_Right	20.07	20.41	23.26	24.82	25.16	28.00	<=30	Pass
	3540	Edge_1RB_Left	19.35	20.31	22.86	24.10	25.06	27.62	<=30	Pass
		Edge_1RB_Right	19.79	20.00	22.90	24.54	24.75	27.66	<=30	Pass
		Outer_Full	19.97	20.65	23.34	24.72	25.40	28.08	<=30	Pass
		Inner_Full	19.99	20.76	23.40	24.74	25.51	28.15	<=30	Pass
		Inner_1RB_Left	19.87	20.62	23.27	24.62	25.37	28.02	<=30	Pass
		Inner_1RB_Right	20.48	20.57	23.54	25.23	25.32	28.29	<=30	Pass
CP-OFDM 64 QAM	3460.02	Edge_1RB_Left	19.51	19.84	22.69	24.26	24.59	27.44	<=30	Pass
		Edge_1RB_Right	20.01	19.58	22.81	24.76	24.33	27.56	<=30	Pass
		Outer_Full	19.55	19.51	22.54	24.30	24.26	27.29	<=30	Pass
		Inner_Full	19.65	19.47	22.57	24.40	24.22	27.32	<=30	Pass
		Inner_1RB_Left	19.41	19.66	22.55	24.16	24.41	27.30	<=30	Pass
		Inner_1RB_Right	19.89	19.60	22.76	24.64	24.35	27.51	<=30	Pass
	3500.01	Edge_1RB_Left	19.36	20.06	22.73	24.11	24.81	27.48	<=30	Pass
		Edge_1RB_Right	19.60	19.64	22.63	24.35	24.39	27.38	<=30	Pass
		Outer_Full	19.41	19.84	22.64	24.16	24.59	27.39	<=30	Pass
		Inner_Full	19.32	19.74	22.55	24.07	24.49	27.30	<=30	Pass
		Inner_1RB_Left	19.48	19.93	22.72	24.23	24.68	27.47	<=30	Pass
		Inner_1RB_Right	19.60	19.88	22.75	24.35	24.63	27.50	<=30	Pass
	3540	Edge_1RB_Left	19.30	20.20	22.79	24.05	24.95	27.53	<=30	Pass
		Edge_1RB_Right	19.80	20.20	23.01	24.55	24.95	27.76	<=30	Pass
		Outer_Full	19.54	20.11	22.84	24.29	24.86	27.59	<=30	Pass
		Inner_Full	19.48	20.16	22.84	24.23	24.91	27.59	<=30	Pass
		Inner_1RB_Left	19.34	20.20	22.80	24.09	24.95	27.55	<=30	Pass
		Inner_1RB_Right	19.77	20.11	22.95	24.52	24.86	27.70	<=30	Pass
CP-OFDM 256	3460.02	Edge_1RB_Left	16.34	16.82	19.60	21.09	21.57	24.35	<=30	Pass



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QAM		Edge_1RB_Right	16.73	16.62	19.69	21.48	21.37	24.44	<=30	Pass
		Outer_Full	16.65	16.52	19.60	21.40	21.27	24.35	<=30	Pass
		Inner_Full	16.62	16.51	19.58	21.37	21.26	24.33	<=30	Pass
		Inner_1RB_Left	16.49	16.91	19.72	21.24	21.66	24.47	<=30	Pass
		Inner_1RB_Right	16.61	16.62	19.63	21.36	21.37	24.38	<=30	Pass
	3500.01	Edge_1RB_Left	16.26	16.94	19.62	21.01	21.69	24.37	<=30	Pass
		Edge_1RB_Right	16.44	16.65	19.56	21.19	21.40	24.31	<=30	Pass
		Outer_Full	16.43	16.83	19.64	21.18	21.58	24.39	<=30	Pass
		Inner_Full	16.41	16.88	19.66	21.16	21.63	24.41	<=30	Pass
		Inner_1RB_Left	16.30	16.74	19.54	21.05	21.49	24.29	<=30	Pass
		Inner_1RB_Right	16.49	16.82	19.67	21.24	21.57	24.42	<=30	Pass
	3540	Edge_1RB_Left	16.39	17.33	19.89	21.14	22.08	24.65	<=30	Pass
		Edge_1RB_Right	16.81	17.05	19.94	21.56	21.80	24.69	<=30	Pass
		Outer_Full	16.52	17.20	19.89	21.27	21.95	24.63	<=30	Pass
		Inner_Full	16.45	17.20	19.85	21.20	21.95	24.60	<=30	Pass
		Inner_1RB_Left	16.31	17.36	19.87	21.06	22.11	24.63	<=30	Pass
		Inner_1RB_Right	16.54	17.11	19.85	21.29	21.86	24.59	<=30	Pass
Note1: Antenna Gain: Ant1: 4.75dBi; Ant2: 4.75dBi;										
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.15 30k_MIMO_30MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3465	Edge_1RB_Left	19.56	19.73	22.66	24.31	24.48	27.41	<=30	Pass
		Edge_1RB_Right	19.70	19.70	22.71	24.45	24.45	27.46	<=30	Pass
		Outer_Full	20.19	20.17	23.19	24.94	24.92	27.94	<=30	Pass
		Inner_Full	20.13	19.91	23.03	24.88	24.66	27.78	<=30	Pass
		Inner_1RB_Left	20.22	20.19	23.22	24.97	24.94	27.97	<=30	Pass
		Inner_1RB_Right	20.10	20.18	23.15	24.85	24.93	27.90	<=30	Pass
	3500.01	Edge_1RB_Left	19.58	20.11	22.86	24.33	24.86	27.61	<=30	Pass
		Edge_1RB_Right	19.62	20.00	22.83	24.37	24.75	27.57	<=30	Pass
		Outer_Full	19.94	20.42	23.19	24.69	25.17	27.95	<=30	Pass
		Inner_Full	19.94	20.35	23.16	24.69	25.10	27.91	<=30	Pass
		Inner_1RB_Left	20.16	20.57	23.38	24.91	25.32	28.13	<=30	Pass



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	3534.99	Inner_1RB_Right	20.12	20.59	23.37	24.87	25.34	28.12	<=30	Pass
		Edge_1RB_Left	19.43	20.22	22.86	24.18	24.97	27.60	<=30	Pass
		Edge_1RB_Right	19.96	20.29	23.14	24.71	25.04	27.89	<=30	Pass
		Outer_Full	20.08	20.85	23.49	24.83	25.60	28.24	<=30	Pass
		Inner_Full	19.92	20.92	23.46	24.67	25.67	28.21	<=30	Pass
		Inner_1RB_Left	20.14	20.68	23.43	24.89	25.43	28.18	<=30	Pass
		Inner_1RB_Right	20.40	20.91	23.67	25.15	25.66	28.42	<=30	Pass
CP-OFDM 16 QAM	3465	Edge_1RB_Left	19.67	19.78	22.74	24.42	24.53	27.49	<=30	Pass
		Edge_1RB_Right	19.61	19.44	22.54	24.36	24.19	27.29	<=30	Pass
		Outer_Full	20.27	20.08	23.18	25.02	24.83	27.94	<=30	Pass
		Inner_Full	20.26	19.89	23.09	25.01	24.64	27.84	<=30	Pass
		Inner_1RB_Left	20.02	20.27	23.16	24.77	25.02	27.91	<=30	Pass
		Inner_1RB_Right	20.29	20.11	23.21	25.04	24.86	27.96	<=30	Pass
	3500.01	Edge_1RB_Left	19.59	20.27	22.95	24.34	25.02	27.70	<=30	Pass
		Edge_1RB_Right	19.54	20.01	22.79	24.29	24.76	27.54	<=30	Pass
		Outer_Full	19.98	20.39	23.20	24.73	25.14	27.95	<=30	Pass
		Inner_Full	19.96	20.34	23.16	24.71	25.09	27.91	<=30	Pass
		Inner_1RB_Left	20.14	20.44	23.30	24.89	25.19	28.05	<=30	Pass
		Inner_1RB_Right	20.17	20.55	23.37	24.92	25.30	28.12	<=30	Pass
	3534.99	Edge_1RB_Left	19.54	20.05	22.81	24.29	24.80	27.56	<=30	Pass
		Edge_1RB_Right	19.87	20.36	23.13	24.62	25.11	27.88	<=30	Pass
		Outer_Full	20.15	20.87	23.54	24.90	25.62	28.29	<=30	Pass
		Inner_Full	20.02	20.92	23.50	24.77	25.67	28.25	<=30	Pass
		Inner_1RB_Left	19.98	20.88	23.46	24.73	25.63	28.21	<=30	Pass
		Inner_1RB_Right	20.43	20.73	23.59	25.18	25.48	28.34	<=30	Pass
CP-OFDM 64 QAM	3465	Edge_1RB_Left	19.47	19.76	22.63	24.22	24.51	27.38	<=30	Pass
		Edge_1RB_Right	19.83	19.56	22.71	24.58	24.31	27.46	<=30	Pass
		Outer_Full	19.67	19.55	22.62	24.42	24.30	27.37	<=30	Pass
		Inner_Full	19.75	19.44	22.61	24.50	24.19	27.36	<=30	Pass
		Inner_1RB_Left	19.61	19.79	22.71	24.36	24.54	27.46	<=30	Pass
		Inner_1RB_Right	19.51	19.84	22.69	24.26	24.59	27.44	<=30	Pass
	3500.01	Edge_1RB_Left	19.60	19.91	22.77	24.35	24.66	27.52	<=30	Pass
		Edge_1RB_Right	19.45	20.01	22.75	24.20	24.76	27.50	<=30	Pass
		Outer_Full	19.51	19.97	22.76	24.26	24.72	27.51	<=30	Pass
		Inner_Full	19.51	19.88	22.71	24.26	24.63	27.46	<=30	Pass
		Inner_1RB_Left	19.72	19.82	22.78	24.47	24.57	27.53	<=30	Pass
		Inner_1RB_Right	19.80	19.93	22.88	24.55	24.68	27.63	<=30	Pass



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CP-OFDM 256 QAM	3534.99	Edge_1RB_Left	19.50	20.32	22.94	24.25	25.07	27.69	<=30	Pass
		Edge_1RB_Right	20.08	20.48	23.30	24.83	25.23	28.04	<=30	Pass
		Outer_Full	19.62	20.39	23.03	24.37	25.14	27.78	<=30	Pass
		Inner_Full	19.54	20.42	23.01	24.29	25.17	27.76	<=30	Pass
		Inner_1RB_Left	19.61	20.18	22.91	24.36	24.93	27.66	<=30	Pass
		Inner_1RB_Right	20.15	20.30	23.24	24.90	25.05	27.99	<=30	Pass
	3465	Edge_1RB_Left	16.46	16.96	19.73	21.21	21.71	24.48	<=30	Pass
		Edge_1RB_Right	16.63	16.61	19.63	21.38	21.36	24.38	<=30	Pass
		Outer_Full	16.75	16.54	19.66	21.50	21.29	24.41	<=30	Pass
		Inner_Full	16.68	16.45	19.58	21.43	21.20	24.33	<=30	Pass
		Inner_1RB_Left	16.63	16.85	19.75	21.38	21.60	24.50	<=30	Pass
		Inner_1RB_Right	16.75	16.71	19.74	21.50	21.46	24.49	<=30	Pass
	3500.01	Edge_1RB_Left	16.68	16.93	19.82	21.43	21.68	24.57	<=30	Pass
		Edge_1RB_Right	16.51	16.95	19.74	21.26	21.70	24.50	<=30	Pass
		Outer_Full	16.47	16.95	19.73	21.22	21.70	24.48	<=30	Pass
		Inner_Full	16.46	16.89	19.69	21.21	21.64	24.44	<=30	Pass
		Inner_1RB_Left	16.74	17.01	19.89	21.49	21.76	24.64	<=30	Pass
		Inner_1RB_Right	16.38	16.94	19.68	21.13	21.69	24.43	<=30	Pass
	3534.99	Edge_1RB_Left	16.56	17.08	19.84	21.31	21.83	24.59	<=30	Pass
		Edge_1RB_Right	16.91	17.37	20.16	21.66	22.12	24.91	<=30	Pass
		Outer_Full	16.59	17.36	20.00	21.34	22.11	24.75	<=30	Pass
		Inner_Full	16.41	17.40	19.94	21.16	22.15	24.69	<=30	Pass
		Inner_1RB_Left	16.40	17.39	19.93	21.15	22.14	24.68	<=30	Pass
		Inner_1RB_Right	16.80	17.16	20.00	21.55	21.91	24.74	<=30	Pass

Note1: Antenna Gain: Ant1: 4.75dBi; Ant2: 4.75dBi;
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

1.1.16 30k_MIMO_40MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3470.01	Edge_1RB_Left	19.64	19.93	22.80	24.39	24.68	27.55	<=30	Pass
		Edge_1RB_Right	19.71	20.11	22.93	24.46	24.86	27.67	<=30	Pass
		Outer_Full	20.24	20.28	23.27	24.99	25.03	28.02	<=30	Pass
		Inner_Full	20.35	20.11	23.24	25.10	24.86	27.99	<=30	Pass



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		Inner_1RB_Left	20.12	20.23	23.19	24.87	24.98	27.94	<=30	Pass
		Inner_1RB_Right	20.19	20.48	23.35	24.94	25.23	28.10	<=30	Pass
	3500.01	Edge_1RB_Left	19.83	19.89	22.87	24.58	24.64	27.62	<=30	Pass
		Edge_1RB_Right	19.47	20.09	22.80	24.22	24.84	27.55	<=30	Pass
		Outer_Full	19.99	20.38	23.20	24.74	25.13	27.95	<=30	Pass
		Inner_Full	19.96	20.34	23.17	24.71	25.09	27.91	<=30	Pass
		Inner_1RB_Left	20.28	20.43	23.37	25.03	25.18	28.12	<=30	Pass
		Inner_1RB_Right	20.09	20.62	23.38	24.84	25.37	28.12	<=30	Pass
	3529.98	Edge_1RB_Left	19.66	20.00	22.84	24.41	24.75	27.59	<=30	Pass
		Edge_1RB_Right	20.03	20.25	23.16	24.78	25.00	27.90	<=30	Pass
		Outer_Full	20.04	20.70	23.40	24.79	25.45	28.14	<=30	Pass
		Inner_Full	19.92	20.72	23.35	24.67	25.47	28.10	<=30	Pass
		Inner_1RB_Left	20.26	20.58	23.43	25.01	25.33	28.18	<=30	Pass
		Inner_1RB_Right	20.47	20.77	23.63	25.22	25.52	28.38	<=30	Pass
CP-OFDM 16 QAM	3470.01	Edge_1RB_Left	19.57	19.97	22.79	24.32	24.72	27.53	<=30	Pass
		Edge_1RB_Right	19.69	20.21	22.97	24.44	24.96	27.72	<=30	Pass
		Outer_Full	20.31	20.25	23.29	25.06	25.00	28.04	<=30	Pass
		Inner_Full	20.32	20.19	23.26	25.07	24.94	28.02	<=30	Pass
		Inner_1RB_Left	20.07	20.34	23.22	24.82	25.09	27.97	<=30	Pass
		Inner_1RB_Right	20.15	20.60	23.39	24.90	25.35	28.14	<=30	Pass
	3500.01	Edge_1RB_Left	19.98	19.88	22.94	24.73	24.63	27.69	<=30	Pass
		Edge_1RB_Right	19.55	20.11	22.85	24.30	24.86	27.60	<=30	Pass
		Outer_Full	20.07	20.39	23.24	24.82	25.14	27.99	<=30	Pass
		Inner_Full	19.93	20.43	23.20	24.68	25.18	27.95	<=30	Pass
		Inner_1RB_Left	20.15	20.36	23.27	24.90	25.11	28.02	<=30	Pass
		Inner_1RB_Right	20.05	20.65	23.37	24.80	25.40	28.12	<=30	Pass
	3529.98	Edge_1RB_Left	19.72	19.99	22.87	24.47	24.74	27.62	<=30	Pass
		Edge_1RB_Right	20.02	20.57	23.31	24.77	25.32	28.06	<=30	Pass
		Outer_Full	20.00	20.65	23.35	24.75	25.40	28.10	<=30	Pass
		Inner_Full	19.87	20.68	23.30	24.62	25.43	28.05	<=30	Pass
		Inner_1RB_Left	20.11	20.54	23.34	24.86	25.29	28.09	<=30	Pass
		Inner_1RB_Right	20.35	20.99	23.69	25.10	25.74	28.44	<=30	Pass
CP-OFDM 64 QAM	3470.01	Edge_1RB_Left	19.76	19.69	22.73	24.51	24.44	27.49	<=30	Pass
		Edge_1RB_Right	19.51	20.33	22.95	24.26	25.08	27.70	<=30	Pass
		Outer_Full	19.78	19.81	22.81	24.53	24.56	27.56	<=30	Pass
		Inner_Full	19.87	19.68	22.79	24.62	24.43	27.54	<=30	Pass
		Inner_1RB_Left	19.66	19.93	22.80	24.41	24.68	27.56	<=30	Pass



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		Inner_1RB_Right	19.67	20.00	22.85	24.42	24.75	27.60	<=30	Pass
	3500.01	Edge_1RB_Left	19.64	19.85	22.76	24.39	24.60	27.51	<=30	Pass
		Edge_1RB_Right	19.62	20.23	22.95	24.37	24.98	27.70	<=30	Pass
		Outer_Full	19.57	19.99	22.79	24.32	24.74	27.55	<=30	Pass
		Inner_Full	19.51	19.87	22.70	24.26	24.62	27.45	<=30	Pass
		Inner_1RB_Left	19.68	20.17	22.94	24.43	24.92	27.69	<=30	Pass
		Inner_1RB_Right	19.55	19.94	22.76	24.30	24.69	27.51	<=30	Pass
	3529.98	Edge_1RB_Left	19.67	20.03	22.86	24.42	24.78	27.61	<=30	Pass
		Edge_1RB_Right	19.99	20.27	23.14	24.74	25.02	27.89	<=30	Pass
		Outer_Full	19.51	20.19	22.88	24.26	24.94	27.62	<=30	Pass
		Inner_Full	19.30	20.23	22.80	24.05	24.98	27.55	<=30	Pass
		Inner_1RB_Left	19.67	20.07	22.88	24.42	24.82	27.63	<=30	Pass
Inner_1RB_Right		19.82	20.27	23.06	24.57	25.02	27.81	<=30	Pass	
CP-OFDM 256 QAM	3470.01	Edge_1RB_Left	16.69	16.89	19.80	21.44	21.64	24.55	<=30	Pass
		Edge_1RB_Right	16.47	17.11	19.81	21.22	21.86	24.56	<=30	Pass
		Outer_Full	16.81	16.78	19.80	21.56	21.53	24.56	<=30	Pass
		Inner_Full	16.81	16.73	19.78	21.56	21.48	24.53	<=30	Pass
		Inner_1RB_Left	16.44	16.75	19.61	21.19	21.50	24.36	<=30	Pass
		Inner_1RB_Right	16.90	17.28	20.10	21.65	22.03	24.85	<=30	Pass
	3500.01	Edge_1RB_Left	16.72	16.92	19.83	21.47	21.67	24.58	<=30	Pass
		Edge_1RB_Right	16.52	17.02	19.79	21.27	21.77	24.54	<=30	Pass
		Outer_Full	16.59	16.95	19.79	21.34	21.70	24.53	<=30	Pass
		Inner_Full	16.52	16.91	19.73	21.27	21.66	24.48	<=30	Pass
		Inner_1RB_Left	16.63	16.93	19.79	21.38	21.68	24.54	<=30	Pass
		Inner_1RB_Right	16.50	17.06	19.80	21.25	21.81	24.55	<=30	Pass
	3529.98	Edge_1RB_Left	16.61	17.07	19.86	21.36	21.82	24.61	<=30	Pass
		Edge_1RB_Right	16.91	17.35	20.14	21.66	22.10	24.90	<=30	Pass
		Outer_Full	16.59	17.26	19.95	21.34	22.01	24.70	<=30	Pass
		Inner_Full	16.35	17.24	19.83	21.10	21.99	24.58	<=30	Pass
		Inner_1RB_Left	16.63	16.92	19.79	21.38	21.67	24.54	<=30	Pass
		Inner_1RB_Right	16.87	17.32	20.11	21.62	22.07	24.86	<=30	Pass
Note1: Antenna Gain: Ant1: 4.75dBi; Ant2: 4.75dBi;										
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.17 30k_MIMO_50MHz_NTNV_EIRP



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5G NR n77d SCS=30kHz MIMO 50MHz NTN										
Modulation	Frequency (MHz)	RB	Conducted Power(dBm)			EIRP(dBm)				Verdict
		Allocation	Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3475.02	Edge_1RB_Left	19.52	19.61	22.58	24.27	24.36	27.33	<=30	Pass
		Edge_1RB_Right	19.22	19.59	22.42	23.97	24.34	27.17	<=30	Pass
		Outer_Full	19.87	19.94	22.92	24.62	24.69	27.67	<=30	Pass
		Inner_Full	19.96	19.91	22.95	24.71	24.66	27.70	<=30	Pass
		Inner_1RB_Left	19.87	20.04	22.97	24.62	24.79	27.72	<=30	Pass
		Inner_1RB_Right	19.55	20.03	22.81	24.30	24.78	27.56	<=30	Pass
	3500.01	Edge_1RB_Left	19.68	19.72	22.71	24.43	24.47	27.46	<=30	Pass
		Edge_1RB_Right	19.06	19.87	22.49	23.81	24.62	27.24	<=30	Pass
		Outer_Full	19.79	20.28	23.05	24.54	25.03	27.80	<=30	Pass
		Inner_Full	19.80	20.12	22.97	24.55	24.87	27.72	<=30	Pass
		Inner_1RB_Left	20.01	20.09	23.06	24.76	24.84	27.81	<=30	Pass
		Inner_1RB_Right	19.61	20.56	23.12	24.36	25.31	27.87	<=30	Pass
	3525	Edge_1RB_Left	19.33	19.69	22.52	24.08	24.44	27.27	<=30	Pass
		Edge_1RB_Right	19.60	19.89	22.76	24.35	24.64	27.51	<=30	Pass
		Outer_Full	19.72	20.30	23.03	24.47	25.05	27.78	<=30	Pass
		Inner_Full	19.53	20.32	22.95	24.28	25.07	27.70	<=30	Pass
		Inner_1RB_Left	19.85	20.06	22.97	24.60	24.81	27.72	<=30	Pass
		Inner_1RB_Right	19.96	20.43	23.21	24.71	25.18	27.96	<=30	Pass
CP-OFDM 16 QAM	3475.02	Edge_1RB_Left	19.40	19.54	22.48	24.15	24.29	27.23	<=30	Pass
		Edge_1RB_Right	19.09	19.52	22.32	23.84	24.27	27.07	<=30	Pass
		Outer_Full	19.86	19.91	22.89	24.61	24.66	27.65	<=30	Pass
		Inner_Full	19.94	19.88	22.92	24.69	24.63	27.67	<=30	Pass
		Inner_1RB_Left	19.88	20.18	23.05	24.63	24.93	27.79	<=30	Pass
		Inner_1RB_Right	19.67	20.03	22.86	24.42	24.78	27.61	<=30	Pass
	3500.01	Edge_1RB_Left	19.52	19.49	22.52	24.27	24.24	27.27	<=30	Pass
		Edge_1RB_Right	19.03	20.00	22.55	23.78	24.75	27.30	<=30	Pass
		Outer_Full	19.77	20.15	22.97	24.52	24.90	27.72	<=30	Pass
		Inner_Full	19.81	20.17	23.01	24.56	24.92	27.75	<=30	Pass
		Inner_1RB_Left	20.18	19.98	23.09	24.93	24.73	27.84	<=30	Pass
		Inner_1RB_Right	19.48	20.58	23.07	24.23	25.33	27.83	<=30	Pass
	3525	Edge_1RB_Left	19.16	19.63	22.41	23.91	24.38	27.16	<=30	Pass
		Edge_1RB_Right	19.41	19.81	22.63	24.16	24.56	27.37	<=30	Pass
		Outer_Full	19.68	20.32	23.02	24.43	25.07	27.77	<=30	Pass
		Inner_Full	19.61	20.22	22.94	24.36	24.97	27.69	<=30	Pass



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		Inner_1RB_Left	19.77	20.11	22.96	24.52	24.86	27.70	<=30	Pass
		Inner_1RB_Right	20.00	20.37	23.20	24.75	25.12	27.95	<=30	Pass
CP-OFDM 64 QAM	3475.02	Edge_1RB_Left	19.31	19.67	22.51	24.06	24.42	27.25	<=30	Pass
		Edge_1RB_Right	19.15	19.57	22.38	23.90	24.32	27.13	<=30	Pass
		Outer_Full	19.29	19.46	22.39	24.04	24.21	27.14	<=30	Pass
		Inner_Full	19.37	19.45	22.42	24.12	24.20	27.17	<=30	Pass
		Inner_1RB_Left	19.35	19.63	22.50	24.10	24.38	27.25	<=30	Pass
		Inner_1RB_Right	19.06	19.69	22.40	23.81	24.44	27.15	<=30	Pass
	3500.01	Edge_1RB_Left	19.60	19.48	22.55	24.35	24.23	27.30	<=30	Pass
		Edge_1RB_Right	19.14	19.84	22.51	23.89	24.59	27.26	<=30	Pass
		Outer_Full	19.41	19.67	22.55	24.16	24.42	27.30	<=30	Pass
		Inner_Full	19.31	19.64	22.49	24.06	24.39	27.24	<=30	Pass
		Inner_1RB_Left	19.66	19.49	22.58	24.41	24.24	27.34	<=30	Pass
		Inner_1RB_Right	19.06	20.01	22.57	23.81	24.76	27.32	<=30	Pass
	3525	Edge_1RB_Left	19.28	19.57	22.44	24.03	24.32	27.19	<=30	Pass
		Edge_1RB_Right	19.37	19.81	22.61	24.12	24.56	27.36	<=30	Pass
		Outer_Full	19.18	19.85	22.53	23.93	24.60	27.29	<=30	Pass
		Inner_Full	19.08	19.77	22.45	23.83	24.52	27.20	<=30	Pass
		Inner_1RB_Left	19.39	19.53	22.47	24.14	24.28	27.22	<=30	Pass
		Inner_1RB_Right	19.45	19.77	22.62	24.20	24.52	27.37	<=30	Pass
CP-OFDM 256 QAM	3475.02	Edge_1RB_Left	16.45	16.70	19.58	21.20	21.45	24.34	<=30	Pass
		Edge_1RB_Right	16.09	16.46	19.29	20.84	21.21	24.04	<=30	Pass
		Outer_Full	16.39	16.47	19.44	21.14	21.22	24.19	<=30	Pass
		Inner_Full	16.38	16.44	19.42	21.13	21.19	24.17	<=30	Pass
		Inner_1RB_Left	16.29	16.66	19.49	21.04	21.41	24.24	<=30	Pass
		Inner_1RB_Right	15.95	16.53	19.26	20.70	21.28	24.01	<=30	Pass
	3500.01	Edge_1RB_Left	16.69	16.48	19.60	21.44	21.23	24.35	<=30	Pass
		Edge_1RB_Right	16.08	16.77	19.44	20.83	21.52	24.20	<=30	Pass
		Outer_Full	16.37	16.78	19.59	21.12	21.53	24.34	<=30	Pass
		Inner_Full	16.29	16.65	19.48	21.04	21.40	24.23	<=30	Pass
		Inner_1RB_Left	16.59	16.38	19.50	21.34	21.13	24.25	<=30	Pass
		Inner_1RB_Right	15.87	16.83	19.39	20.62	21.58	24.14	<=30	Pass
	3525	Edge_1RB_Left	16.43	16.75	19.61	21.18	21.50	24.35	<=30	Pass
		Edge_1RB_Right	16.57	16.90	19.75	21.32	21.65	24.50	<=30	Pass
		Outer_Full	16.26	16.81	19.55	21.01	21.56	24.30	<=30	Pass
		Inner_Full	16.10	16.78	19.46	20.85	21.53	24.21	<=30	Pass
		Inner_1RB_Left	16.27	16.52	19.41	21.02	21.27	24.16	<=30	Pass



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		Inner_1RB_Right	16.53	16.81	19.68	21.28	21.56	24.43	<=30	Pass
<p>Note1: Antenna Gain: Ant1: 4.75dBi; Ant2: 4.75dBi;</p> <p>Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2</p>										

1.1.18 30k_MIMO_60MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3480	Edge_1RB_Left	19.25	19.69	22.49	24.00	24.44	27.24	<=30	Pass
		Edge_1RB_Right	19.32	19.72	22.54	24.07	24.47	27.28	<=30	Pass
		Outer_Full	19.95	20.16	23.06	24.70	24.91	27.82	<=30	Pass
		Inner_Full	19.95	20.02	22.99	24.70	24.77	27.75	<=30	Pass
		Inner_1RB_Left	19.73	20.07	22.91	24.48	24.82	27.66	<=30	Pass
		Inner_1RB_Right	19.94	20.21	23.09	24.69	24.96	27.84	<=30	Pass
	3500.01	Edge_1RB_Left	19.51	19.31	22.42	24.26	24.06	27.17	<=30	Pass
		Edge_1RB_Right	19.11	19.99	22.58	23.86	24.74	27.33	<=30	Pass
		Outer_Full	19.82	20.22	23.03	24.57	24.97	27.78	<=30	Pass
		Inner_Full	19.78	20.15	22.98	24.53	24.90	27.73	<=30	Pass
		Inner_1RB_Left	19.94	19.86	22.91	24.69	24.61	27.66	<=30	Pass
		Inner_1RB_Right	19.48	20.48	23.02	24.23	25.23	27.77	<=30	Pass
	3519.99	Edge_1RB_Left	19.27	19.72	22.51	24.02	24.47	27.26	<=30	Pass
		Edge_1RB_Right	19.75	20.00	22.89	24.50	24.75	27.64	<=30	Pass
		Outer_Full	19.87	20.24	23.07	24.62	24.99	27.82	<=30	Pass
		Inner_Full	19.77	20.36	23.08	24.52	25.11	27.84	<=30	Pass
		Inner_1RB_Left	19.89	20.28	23.10	24.64	25.03	27.85	<=30	Pass
		Inner_1RB_Right	20.17	20.56	23.38	24.92	25.31	28.13	<=30	Pass
CP-OFDM 16 QAM	3480	Edge_1RB_Left	19.31	19.65	22.49	24.06	24.40	27.24	<=30	Pass
		Edge_1RB_Right	19.29	19.48	22.40	24.04	24.23	27.15	<=30	Pass
		Outer_Full	19.91	19.98	22.95	24.66	24.73	27.71	<=30	Pass
		Inner_Full	20.01	20.04	23.04	24.76	24.79	27.79	<=30	Pass
		Inner_1RB_Left	19.91	20.08	23.01	24.66	24.83	27.76	<=30	Pass
		Inner_1RB_Right	19.95	20.14	23.06	24.70	24.89	27.81	<=30	Pass
	3500.01	Edge_1RB_Left	19.46	19.35	22.42	24.21	24.10	27.17	<=30	Pass
		Edge_1RB_Right	19.12	19.98	22.58	23.87	24.73	27.33	<=30	Pass
		Outer_Full	19.86	20.12	23.00	24.61	24.87	27.75	<=30	Pass



		Inner_Full	19.76	20.21	23.00	24.51	24.96	27.75	<=30	Pass
		Inner_1RB_Left	19.87	19.87	22.88	24.62	24.62	27.63	<=30	Pass
		Inner_1RB_Right	19.60	20.67	23.18	24.35	25.42	27.93	<=30	Pass
	3519.99	Edge_1RB_Left	19.17	19.81	22.51	23.92	24.56	27.26	<=30	Pass
		Edge_1RB_Right	19.60	20.19	22.91	24.35	24.94	27.67	<=30	Pass
		Outer_Full	19.82	20.32	23.09	24.57	25.07	27.84	<=30	Pass
		Inner_Full	19.74	20.37	23.08	24.49	25.12	27.83	<=30	Pass
		Inner_1RB_Left	19.70	20.26	23.00	24.45	25.01	27.75	<=30	Pass
		Inner_1RB_Right	19.99	20.51	23.27	24.74	25.26	28.02	<=30	Pass
CP-OFDM 64 QAM	3480	Edge_1RB_Left	19.30	19.63	22.48	24.05	24.38	27.23	<=30	Pass
		Edge_1RB_Right	19.29	19.40	22.36	24.04	24.15	27.11	<=30	Pass
		Outer_Full	19.43	19.52	22.48	24.18	24.27	27.24	<=30	Pass
		Inner_Full	19.45	19.53	22.50	24.20	24.28	27.25	<=30	Pass
		Inner_1RB_Left	19.29	19.57	22.44	24.04	24.32	27.19	<=30	Pass
		Inner_1RB_Right	19.37	19.58	22.49	24.12	24.33	27.24	<=30	Pass
	3500.01	Edge_1RB_Left	19.47	19.26	22.37	24.22	24.01	27.13	<=30	Pass
		Edge_1RB_Right	19.06	19.85	22.48	23.81	24.60	27.23	<=30	Pass
		Outer_Full	19.33	19.66	22.51	24.08	24.41	27.26	<=30	Pass
		Inner_Full	19.27	19.68	22.49	24.02	24.43	27.24	<=30	Pass
		Inner_1RB_Left	19.78	19.24	22.53	24.53	23.99	27.28	<=30	Pass
		Inner_1RB_Right	19.32	20.03	22.70	24.07	24.78	27.45	<=30	Pass
	3519.99	Edge_1RB_Left	19.37	19.67	22.53	24.12	24.42	27.28	<=30	Pass
		Edge_1RB_Right	19.67	19.95	22.82	24.42	24.70	27.57	<=30	Pass
		Outer_Full	19.34	19.81	22.59	24.09	24.56	27.34	<=30	Pass
		Inner_Full	19.29	19.86	22.60	24.04	24.61	27.34	<=30	Pass
		Inner_1RB_Left	19.41	19.69	22.56	24.16	24.44	27.31	<=30	Pass
		Inner_1RB_Right	19.51	20.12	22.84	24.26	24.87	27.59	<=30	Pass
CP-OFDM 256 QAM	3480	Edge_1RB_Left	16.32	16.66	19.50	21.07	21.41	24.25	<=30	Pass
		Edge_1RB_Right	16.30	16.52	19.42	21.05	21.27	24.17	<=30	Pass
		Outer_Full	16.50	16.54	19.53	21.25	21.29	24.28	<=30	Pass
		Inner_Full	16.46	16.47	19.48	21.21	21.22	24.23	<=30	Pass
		Inner_1RB_Left	16.32	16.51	19.43	21.07	21.26	24.18	<=30	Pass
		Inner_1RB_Right	16.38	16.83	19.62	21.13	21.58	24.37	<=30	Pass
	3500.01	Edge_1RB_Left	16.48	16.39	19.44	21.23	21.14	24.20	<=30	Pass
		Edge_1RB_Right	16.08	17.10	19.63	20.83	21.85	24.38	<=30	Pass
		Outer_Full	16.32	16.70	19.52	21.07	21.45	24.27	<=30	Pass
		Inner_Full	16.25	16.65	19.46	21.00	21.40	24.21	<=30	Pass



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		Inner_1RB_Left	16.64	16.51	19.58	21.39	21.26	24.34	<=30	Pass
		Inner_1RB_Right	16.19	17.07	19.67	20.94	21.82	24.41	<=30	Pass
	3519.99	Edge_1RB_Left	16.32	16.63	19.49	21.07	21.38	24.24	<=30	Pass
		Edge_1RB_Right	16.55	16.94	19.76	21.30	21.69	24.51	<=30	Pass
		Outer_Full	16.33	16.81	19.59	21.08	21.56	24.34	<=30	Pass
		Inner_Full	16.28	16.87	19.59	21.03	21.62	24.35	<=30	Pass
		Inner_1RB_Left	16.27	16.89	19.60	21.02	21.64	24.35	<=30	Pass
		Inner_1RB_Right	16.70	17.05	19.89	21.45	21.80	24.64	<=30	Pass

Note1: Antenna Gain: Ant1: 4.75dBi; Ant2: 4.75dBi;
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

1.1.19 30k_MIMO_70MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 70MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3485.01	Edge_1RB_Left	19.23	19.56	22.41	23.98	24.31	27.16	<=30	Pass
		Edge_1RB_Right	19.14	19.64	22.41	23.89	24.39	27.16	<=30	Pass
		Outer_Full	19.73	19.92	22.84	24.48	24.67	27.59	<=30	Pass
		Inner_Full	19.73	19.91	22.83	24.48	24.66	27.58	<=30	Pass
		Inner_1RB_Left	19.88	20.02	22.96	24.63	24.77	27.71	<=30	Pass
		Inner_1RB_Right	19.43	20.25	22.87	24.18	25.00	27.62	<=30	Pass
	3500.01	Edge_1RB_Left	19.40	19.30	22.36	24.15	24.05	27.11	<=30	Pass
		Edge_1RB_Right	19.12	20.09	22.64	23.87	24.84	27.39	<=30	Pass
		Outer_Full	19.77	20.12	22.96	24.52	24.87	27.71	<=30	Pass
		Inner_Full	19.69	20.13	22.92	24.44	24.88	27.68	<=30	Pass
		Inner_1RB_Left	19.90	19.70	22.81	24.65	24.45	27.56	<=30	Pass
		Inner_1RB_Right	19.53	20.60	23.11	24.28	25.35	27.86	<=30	Pass
	3514.98	Edge_1RB_Left	19.54	19.61	22.59	24.29	24.36	27.34	<=30	Pass
		Edge_1RB_Right	19.50	19.96	22.74	24.25	24.71	27.50	<=30	Pass
		Outer_Full	19.71	20.28	23.02	24.46	25.03	27.76	<=30	Pass
		Inner_Full	19.73	20.30	23.04	24.48	25.05	27.78	<=30	Pass
		Inner_1RB_Left	19.83	20.12	22.99	24.58	24.87	27.74	<=30	Pass
		Inner_1RB_Right	20.08	20.74	23.43	24.83	25.49	28.18	<=30	Pass
CP-OFDM 16 QAM	3485.01	Edge_1RB_Left	19.21	19.73	22.49	23.96	24.48	27.24	<=30	Pass
		Edge_1RB_Right	18.95	19.79	22.40	23.70	24.54	27.15	<=30	Pass



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		Outer_Full	19.68	19.87	22.79	24.43	24.62	27.54	<=30	Pass
		Inner_Full	19.75	19.91	22.84	24.50	24.66	27.59	<=30	Pass
		Inner_1RB_Left	19.67	20.09	22.89	24.42	24.84	27.65	<=30	Pass
		Inner_1RB_Right	19.63	20.13	22.90	24.38	24.88	27.65	<=30	Pass
	3500.01	Edge_1RB_Left	19.36	19.35	22.36	24.11	24.10	27.12	<=30	Pass
		Edge_1RB_Right	18.92	19.98	22.49	23.67	24.73	27.24	<=30	Pass
		Outer_Full	19.66	20.15	22.93	24.41	24.90	27.67	<=30	Pass
		Inner_Full	19.65	20.10	22.89	24.40	24.85	27.64	<=30	Pass
		Inner_1RB_Left	19.87	19.83	22.86	24.62	24.58	27.61	<=30	Pass
		Inner_1RB_Right	19.50	20.60	23.10	24.25	25.35	27.85	<=30	Pass
	3514.98	Edge_1RB_Left	19.34	19.60	22.48	24.09	24.35	27.23	<=30	Pass
		Edge_1RB_Right	19.58	19.96	22.79	24.33	24.71	27.53	<=30	Pass
		Outer_Full	19.78	20.30	23.06	24.53	25.05	27.81	<=30	Pass
		Inner_Full	19.70	20.28	23.01	24.45	25.03	27.76	<=30	Pass
		Inner_1RB_Left	19.93	20.06	23.00	24.68	24.81	27.76	<=30	Pass
		Inner_1RB_Right	20.03	20.19	23.12	24.78	24.94	27.87	<=30	Pass
CP-OFDM 64 QAM	3485.01	Edge_1RB_Left	19.30	19.49	22.41	24.05	24.24	27.16	<=30	Pass
		Edge_1RB_Right	19.13	19.83	22.50	23.88	24.58	27.25	<=30	Pass
		Outer_Full	19.27	19.45	22.37	24.02	24.20	27.12	<=30	Pass
		Inner_Full	19.32	19.45	22.40	24.07	24.20	27.15	<=30	Pass
		Inner_1RB_Left	19.38	19.48	22.44	24.13	24.23	27.19	<=30	Pass
		Inner_1RB_Right	19.04	19.69	22.39	23.79	24.44	27.14	<=30	Pass
	3500.01	Edge_1RB_Left	19.36	19.13	22.26	24.11	23.88	27.01	<=30	Pass
		Edge_1RB_Right	18.98	20.21	22.65	23.73	24.96	27.40	<=30	Pass
		Outer_Full	19.23	19.63	22.45	23.98	24.38	27.19	<=30	Pass
		Inner_Full	19.23	19.60	22.43	23.98	24.35	27.18	<=30	Pass
		Inner_1RB_Left	19.48	19.07	22.29	24.23	23.82	27.04	<=30	Pass
		Inner_1RB_Right	19.15	20.09	22.66	23.90	24.84	27.41	<=30	Pass
	3514.98	Edge_1RB_Left	19.43	19.53	22.49	24.18	24.28	27.24	<=30	Pass
		Edge_1RB_Right	19.68	19.91	22.81	24.43	24.66	27.56	<=30	Pass
		Outer_Full	19.28	19.86	22.59	24.03	24.61	27.34	<=30	Pass
		Inner_Full	19.28	19.80	22.56	24.03	24.55	27.31	<=30	Pass
		Inner_1RB_Left	19.46	19.75	22.62	24.21	24.50	27.37	<=30	Pass
		Inner_1RB_Right	19.60	19.91	22.77	24.35	24.66	27.52	<=30	Pass
CP-OFDM 256 QAM	3485.01	Edge_1RB_Left	16.29	16.67	19.49	21.04	21.42	24.24	<=30	Pass
		Edge_1RB_Right	16.23	16.61	19.43	20.98	21.36	24.18	<=30	Pass
		Outer_Full	16.30	16.45	19.39	21.05	21.20	24.14	<=30	Pass



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		Inner_Full	16.25	16.57	19.42	21.00	21.32	24.17	<=30	Pass
		Inner_1RB_Left	16.25	16.38	19.33	21.00	21.13	24.08	<=30	Pass
		Inner_1RB_Right	16.01	16.56	19.31	20.76	21.31	24.05	<=30	Pass
	3500.01	Edge_1RB_Left	16.44	16.31	19.39	21.19	21.06	24.14	<=30	Pass
		Edge_1RB_Right	15.93	17.18	19.61	20.68	21.93	24.36	<=30	Pass
		Outer_Full	16.24	16.63	19.45	20.99	21.38	24.20	<=30	Pass
		Inner_Full	16.20	16.58	19.41	20.95	21.33	24.15	<=30	Pass
		Inner_1RB_Left	16.52	16.29	19.42	21.27	21.04	24.17	<=30	Pass
		Inner_1RB_Right	15.94	17.07	19.55	20.69	21.82	24.30	<=30	Pass
	3514.98	Edge_1RB_Left	16.28	16.41	19.35	21.03	21.16	24.11	<=30	Pass
		Edge_1RB_Right	16.46	16.73	19.61	21.21	21.48	24.36	<=30	Pass
		Outer_Full	16.26	16.84	19.57	21.01	21.59	24.32	<=30	Pass
		Inner_Full	16.31	16.83	19.59	21.06	21.58	24.34	<=30	Pass
		Inner_1RB_Left	16.32	16.68	19.51	21.07	21.43	24.26	<=30	Pass
		Inner_1RB_Right	16.56	16.98	19.78	21.31	21.73	24.54	<=30	Pass
Note1: Antenna Gain: Ant1: 4.75dBi; Ant2: 4.75dBi;										
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.20 30k_MIMO_80MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 80MHz NTNv										
Modulation	Frequency (MHz)	RB	Conducted Power(dBm)			EIRP(dBm)				Verdict
		Allocation	Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3490.02	Edge_1RB_Left	19.17	19.50	22.35	23.92	24.25	27.10	<=30	Pass
		Edge_1RB_Right	18.93	19.87	22.44	23.68	24.62	27.19	<=30	Pass
		Outer_Full	19.82	20.06	22.95	24.57	24.81	27.70	<=30	Pass
		Inner_Full	19.83	20.07	22.96	24.58	24.82	27.71	<=30	Pass
		Inner_1RB_Left	19.68	19.96	22.83	24.43	24.71	27.58	<=30	Pass
		Inner_1RB_Right	19.46	20.35	22.94	24.21	25.10	27.69	<=30	Pass
	3500.01	Edge_1RB_Left	19.27	19.30	22.30	24.02	24.05	27.05	<=30	Pass
		Edge_1RB_Right	19.10	19.90	22.53	23.85	24.65	27.28	<=30	Pass
		Outer_Full	19.74	20.03	22.90	24.49	24.78	27.65	<=30	Pass
		Inner_Full	19.67	20.04	22.87	24.42	24.79	27.62	<=30	Pass
		Inner_1RB_Left	19.85	19.86	22.86	24.60	24.61	27.62	<=30	Pass
		Inner_1RB_Right	19.83	20.43	23.15	24.58	25.18	27.90	<=30	Pass
	3510	Edge_1RB_Left	19.44	19.26	22.36	24.19	24.01	27.11	<=30	Pass



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		Edge_1RB_Right	19.44	19.87	22.67	24.19	24.62	27.42	<=30	Pass
		Outer_Full	19.73	20.15	22.96	24.48	24.90	27.71	<=30	Pass
		Inner_Full	19.63	20.23	22.95	24.38	24.98	27.70	<=30	Pass
		Inner_1RB_Left	19.92	19.72	22.83	24.67	24.47	27.58	<=30	Pass
		Inner_1RB_Right	20.15	20.51	23.34	24.90	25.26	28.09	<=30	Pass
CP-OFDM 16 QAM	3490.02	Edge_1RB_Left	19.23	19.62	22.44	23.98	24.37	27.19	<=30	Pass
		Edge_1RB_Right	18.91	20.00	22.50	23.66	24.75	27.25	<=30	Pass
		Outer_Full	19.83	20.07	22.96	24.58	24.82	27.71	<=30	Pass
		Inner_Full	19.83	20.15	23.00	24.58	24.90	27.75	<=30	Pass
		Inner_1RB_Left	19.78	20.03	22.91	24.53	24.78	27.67	<=30	Pass
		Inner_1RB_Right	19.59	20.40	23.02	24.34	25.15	27.77	<=30	Pass
	3500.01	Edge_1RB_Left	19.38	19.27	22.34	24.13	24.02	27.09	<=30	Pass
		Edge_1RB_Right	19.07	19.99	22.57	23.82	24.74	27.31	<=30	Pass
		Outer_Full	19.64	20.06	22.87	24.39	24.81	27.62	<=30	Pass
		Inner_Full	19.72	20.14	22.95	24.47	24.89	27.70	<=30	Pass
		Inner_1RB_Left	19.91	19.71	22.82	24.66	24.46	27.57	<=30	Pass
		Inner_1RB_Right	19.73	20.50	23.14	24.48	25.25	27.89	<=30	Pass
	3510	Edge_1RB_Left	19.39	19.39	22.40	24.14	24.14	27.15	<=30	Pass
		Edge_1RB_Right	19.46	19.96	22.72	24.21	24.71	27.48	<=30	Pass
		Outer_Full	19.80	20.23	23.03	24.55	24.98	27.78	<=30	Pass
		Inner_Full	19.65	20.17	22.93	24.40	24.92	27.68	<=30	Pass
		Inner_1RB_Left	19.89	19.79	22.85	24.64	24.54	27.60	<=30	Pass
		Inner_1RB_Right	20.05	20.40	23.24	24.80	25.15	27.99	<=30	Pass
CP-OFDM 64 QAM	3490.02	Edge_1RB_Left	19.12	19.53	22.34	23.87	24.28	27.09	<=30	Pass
		Edge_1RB_Right	18.83	20.16	22.56	23.58	24.91	27.31	<=30	Pass
		Outer_Full	19.31	19.59	22.46	24.06	24.34	27.21	<=30	Pass
		Inner_Full	19.40	19.57	22.50	24.15	24.32	27.25	<=30	Pass
		Inner_1RB_Left	19.00	19.58	22.31	23.75	24.33	27.06	<=30	Pass
		Inner_1RB_Right	18.93	19.89	22.45	23.68	24.64	27.20	<=30	Pass
	3500.01	Edge_1RB_Left	19.31	19.08	22.21	24.06	23.83	26.96	<=30	Pass
		Edge_1RB_Right	19.16	19.99	22.61	23.91	24.74	27.36	<=30	Pass
		Outer_Full	19.22	19.64	22.44	23.97	24.39	27.20	<=30	Pass
		Inner_Full	19.18	19.64	22.42	23.93	24.39	27.18	<=30	Pass
		Inner_1RB_Left	19.26	19.55	22.42	24.01	24.30	27.17	<=30	Pass
		Inner_1RB_Right	19.17	19.91	22.56	23.92	24.66	27.32	<=30	Pass
	3510	Edge_1RB_Left	19.48	19.41	22.46	24.23	24.16	27.21	<=30	Pass
		Edge_1RB_Right	19.45	19.92	22.70	24.20	24.67	27.45	<=30	Pass



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CP-OFDM 256 QAM		Outer_Full	19.26	19.70	22.50	24.01	24.45	27.25	<=30	Pass
		Inner_Full	19.16	19.69	22.45	23.91	24.44	27.19	<=30	Pass
		Inner_1RB_Left	19.56	19.18	22.38	24.31	23.93	27.13	<=30	Pass
		Inner_1RB_Right	19.60	20.06	22.85	24.35	24.81	27.60	<=30	Pass
	3490.02	Edge_1RB_Left	16.16	16.39	19.29	20.91	21.14	24.04	<=30	Pass
		Edge_1RB_Right	16.07	16.71	19.41	20.82	21.46	24.16	<=30	Pass
		Outer_Full	16.30	16.57	19.45	21.05	21.32	24.20	<=30	Pass
		Inner_Full	16.37	16.62	19.51	21.12	21.37	24.26	<=30	Pass
		Inner_1RB_Left	16.17	16.35	19.27	20.92	21.10	24.02	<=30	Pass
		Inner_1RB_Right	15.79	16.74	19.30	20.54	21.49	24.05	<=30	Pass
	3500.01	Edge_1RB_Left	16.24	16.36	19.31	20.99	21.11	24.06	<=30	Pass
		Edge_1RB_Right	16.24	17.07	19.68	20.99	21.82	24.44	<=30	Pass
		Outer_Full	16.16	16.61	19.40	20.91	21.36	24.15	<=30	Pass
		Inner_Full	16.23	16.57	19.41	20.98	21.32	24.16	<=30	Pass
		Inner_1RB_Left	16.52	16.13	19.34	21.27	20.88	24.09	<=30	Pass
		Inner_1RB_Right	16.14	16.82	19.50	20.89	21.57	24.25	<=30	Pass
	3510	Edge_1RB_Left	16.59	16.16	19.39	21.34	20.91	24.14	<=30	Pass
		Edge_1RB_Right	16.39	16.64	19.53	21.14	21.39	24.28	<=30	Pass
		Outer_Full	16.26	16.79	19.55	21.01	21.54	24.29	<=30	Pass
		Inner_Full	16.12	16.69	19.43	20.87	21.44	24.17	<=30	Pass
		Inner_1RB_Left	16.55	16.26	19.42	21.30	21.01	24.17	<=30	Pass
		Inner_1RB_Right	16.38	16.74	19.57	21.13	21.49	24.32	<=30	Pass

Note1: Antenna Gain: Ant1: 4.75dBi; Ant2: 4.75dBi;
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

1.1.21 30k_MIMO_90MHz_NTNV_EIRP

5G NR n77d 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	3495	Edge_1RB_Left	19.12	19.43	22.29	23.87	24.18	27.04	<=30	Pass
		Edge_1RB_Right	19.23	20.01	22.65	23.98	24.76	27.40	<=30	Pass
		Outer_Full	19.68	20.00	22.85	24.43	24.75	27.60	<=30	Pass
		Inner_Full	19.71	19.99	22.86	24.46	24.74	27.61	<=30	Pass
		Inner_1RB_Left	19.64	20.01	22.84	24.39	24.76	27.59	<=30	Pass
		Inner_1RB_Right	19.81	20.55	23.21	24.56	25.30	27.96	<=30	Pass



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	3500.01	Edge_1RB_Left	19.12	19.49	22.32	23.87	24.24	27.07	<=30	Pass
		Edge_1RB_Right	19.42	19.84	22.64	24.17	24.59	27.40	<=30	Pass
		Outer_Full	19.81	20.07	22.95	24.56	24.82	27.70	<=30	Pass
		Inner_Full	19.68	20.07	22.89	24.43	24.82	27.64	<=30	Pass
		Inner_1RB_Left	19.72	19.73	22.74	24.47	24.48	27.49	<=30	Pass
		Inner_1RB_Right	19.78	20.42	23.12	24.53	25.17	27.87	<=30	Pass
	3504.99	Edge_1RB_Left	19.39	19.18	22.30	24.14	23.93	27.05	<=30	Pass
		Edge_1RB_Right	19.69	19.99	22.86	24.44	24.74	27.60	<=30	Pass
		Outer_Full	19.79	20.26	23.05	24.54	25.01	27.79	<=30	Pass
		Inner_Full	19.80	20.28	23.06	24.55	25.03	27.81	<=30	Pass
		Inner_1RB_Left	20.06	19.67	22.88	24.81	24.42	27.63	<=30	Pass
		Inner_1RB_Right	20.24	20.52	23.39	24.99	25.27	28.14	<=30	Pass
CP-OFDM 16 QAM	3495	Edge_1RB_Left	19.40	19.70	22.56	24.15	24.45	27.31	<=30	Pass
		Edge_1RB_Right	19.13	20.16	22.68	23.88	24.91	27.44	<=30	Pass
		Outer_Full	19.73	20.01	22.88	24.48	24.76	27.63	<=30	Pass
		Inner_Full	19.74	20.00	22.88	24.49	24.75	27.63	<=30	Pass
		Inner_1RB_Left	19.75	19.90	22.83	24.50	24.65	27.59	<=30	Pass
		Inner_1RB_Right	19.66	20.51	23.11	24.41	25.26	27.87	<=30	Pass
	3500.01	Edge_1RB_Left	19.29	19.48	22.40	24.04	24.23	27.15	<=30	Pass
		Edge_1RB_Right	19.36	19.92	22.66	24.11	24.67	27.41	<=30	Pass
		Outer_Full	19.73	20.10	22.93	24.48	24.85	27.68	<=30	Pass
		Inner_Full	19.75	20.10	22.94	24.50	24.85	27.69	<=30	Pass
		Inner_1RB_Left	19.87	19.65	22.77	24.62	24.40	27.52	<=30	Pass
		Inner_1RB_Right	19.97	20.53	23.27	24.72	25.28	28.02	<=30	Pass
	3504.99	Edge_1RB_Left	19.46	19.24	22.36	24.21	23.99	27.11	<=30	Pass
		Edge_1RB_Right	19.53	19.92	22.74	24.28	24.67	27.49	<=30	Pass
		Outer_Full	19.79	20.25	23.04	24.54	25.00	27.79	<=30	Pass
		Inner_Full	19.77	20.21	23.01	24.52	24.96	27.76	<=30	Pass
		Inner_1RB_Left	19.74	19.73	22.75	24.49	24.48	27.50	<=30	Pass
		Inner_1RB_Right	20.08	20.36	23.23	24.83	25.11	27.98	<=30	Pass
CP-OFDM 64 QAM	3495	Edge_1RB_Left	19.12	19.22	22.18	23.87	23.97	26.93	<=30	Pass
		Edge_1RB_Right	19.32	19.90	22.63	24.07	24.65	27.38	<=30	Pass
		Outer_Full	19.22	19.50	22.37	23.97	24.25	27.12	<=30	Pass
		Inner_Full	19.25	19.48	22.38	24.00	24.23	27.13	<=30	Pass
		Inner_1RB_Left	19.18	19.72	22.47	23.93	24.47	27.22	<=30	Pass
		Inner_1RB_Right	19.41	20.10	22.78	24.16	24.85	27.53	<=30	Pass
	3500.01	Edge_1RB_Left	19.16	19.33	22.25	23.91	24.08	27.01	<=30	Pass



		Edge_1RB_Right	19.36	19.98	22.69	24.11	24.73	27.44	<=30	Pass
		Outer_Full	19.21	19.60	22.42	23.96	24.35	27.17	<=30	Pass
		Inner_Full	19.25	19.66	22.47	24.00	24.41	27.22	<=30	Pass
		Inner_1RB_Left	19.09	19.42	22.27	23.84	24.17	27.02	<=30	Pass
		Inner_1RB_Right	19.24	19.92	22.60	23.99	24.67	27.35	<=30	Pass
	3504.99	Edge_1RB_Left	19.25	19.24	22.25	24.00	23.99	27.01	<=30	Pass
		Edge_1RB_Right	19.63	19.79	22.72	24.38	24.54	27.47	<=30	Pass
		Outer_Full	19.30	19.63	22.48	24.05	24.38	27.23	<=30	Pass
		Inner_Full	19.18	19.64	22.43	23.93	24.39	27.18	<=30	Pass
		Inner_1RB_Left	19.41	19.17	22.30	24.16	23.92	27.05	<=30	Pass
		Inner_1RB_Right	19.60	19.89	22.76	24.35	24.64	27.51	<=30	Pass
	CP-OFDM 256 QAM	3495	Edge_1RB_Left	16.14	16.29	19.22	20.89	21.04	23.98	<=30
Edge_1RB_Right			16.15	16.89	19.55	20.90	21.64	24.30	<=30	Pass
Outer_Full			16.20	16.53	19.38	20.95	21.28	24.13	<=30	Pass
Inner_Full			16.22	16.51	19.38	20.97	21.26	24.13	<=30	Pass
Inner_1RB_Left			16.10	16.36	19.24	20.85	21.11	23.99	<=30	Pass
Inner_1RB_Right			16.19	17.03	19.64	20.94	21.78	24.39	<=30	Pass
3500.01		Edge_1RB_Left	16.17	16.36	19.28	20.92	21.11	24.03	<=30	Pass
		Edge_1RB_Right	16.34	16.91	19.64	21.09	21.66	24.39	<=30	Pass
		Outer_Full	16.15	16.60	19.39	20.90	21.35	24.14	<=30	Pass
		Inner_Full	16.14	16.54	19.36	20.89	21.29	24.10	<=30	Pass
		Inner_1RB_Left	16.31	16.34	19.33	21.06	21.09	24.09	<=30	Pass
		Inner_1RB_Right	16.34	16.87	19.62	21.09	21.62	24.37	<=30	Pass
3504.99		Edge_1RB_Left	16.35	16.47	19.42	21.10	21.22	24.17	<=30	Pass
		Edge_1RB_Right	16.71	16.90	19.82	21.46	21.65	24.57	<=30	Pass
		Outer_Full	16.28	16.83	19.58	21.03	21.58	24.32	<=30	Pass
		Inner_Full	16.22	16.70	19.48	20.97	21.45	24.23	<=30	Pass
		Inner_1RB_Left	16.39	16.26	19.33	21.14	21.01	24.09	<=30	Pass
		Inner_1RB_Right	16.55	17.06	19.82	21.30	21.81	24.57	<=30	Pass
Note1: Antenna Gain: Ant1: 4.75dBi; Ant2: 4.75dBi;										
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										



1.1.22 30k_MIMO_100MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3500.01	Edge_1RB_Left	19.14	19.39	22.28	23.89	24.14	27.03	<=30	Pass
		Edge_1RB_Right	19.61	19.83	22.73	24.36	24.58	27.48	<=30	Pass
		Outer_Full	19.78	20.09	22.95	24.53	24.84	27.70	<=30	Pass
		Inner_Full	19.70	20.09	22.91	24.45	24.84	27.66	<=30	Pass
		Inner_1RB_Left	19.63	19.85	22.75	24.38	24.60	27.50	<=30	Pass
		Inner_1RB_Right	20.13	20.43	23.29	24.88	25.18	28.04	<=30	Pass
	3500.01	Edge_1RB_Left	19.27	19.47	22.38	24.02	24.22	27.13	<=30	Pass
		Edge_1RB_Right	19.69	20.03	22.88	24.44	24.78	27.62	<=30	Pass
		Outer_Full	19.81	20.07	22.95	24.56	24.82	27.70	<=30	Pass
		Inner_Full	19.70	20.09	22.91	24.45	24.84	27.66	<=30	Pass
		Inner_1RB_Left	19.54	20.03	22.80	24.29	24.78	27.55	<=30	Pass
		Inner_1RB_Right	19.98	20.54	23.28	24.73	25.29	28.03	<=30	Pass
	3499.98	Edge_1RB_Left	19.12	19.41	22.28	23.87	24.16	27.03	<=30	Pass
		Edge_1RB_Right	19.61	20.05	22.85	24.36	24.80	27.60	<=30	Pass
		Outer_Full	19.76	20.11	22.95	24.51	24.86	27.70	<=30	Pass
		Inner_Full	19.75	20.11	22.95	24.50	24.86	27.69	<=30	Pass
		Inner_1RB_Left	19.67	19.98	22.84	24.42	24.73	27.59	<=30	Pass
		Inner_1RB_Right	20.08	20.35	23.23	24.83	25.10	27.98	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	19.21	19.61	22.43	23.96	24.36	27.17	<=30	Pass
		Edge_1RB_Right	19.53	19.73	22.64	24.28	24.48	27.39	<=30	Pass
		Outer_Full	19.77	20.06	22.93	24.52	24.81	27.68	<=30	Pass
		Inner_Full	19.70	20.07	22.90	24.45	24.82	27.65	<=30	Pass
		Inner_1RB_Left	19.52	19.86	22.71	24.27	24.61	27.45	<=30	Pass
		Inner_1RB_Right	20.13	20.42	23.29	24.88	25.17	28.04	<=30	Pass
	3500.01	Edge_1RB_Left	19.05	19.41	22.25	23.80	24.16	26.99	<=30	Pass
		Edge_1RB_Right	19.82	20.04	22.94	24.57	24.79	27.69	<=30	Pass
		Outer_Full	19.75	20.05	22.92	24.50	24.80	27.66	<=30	Pass
		Inner_Full	19.74	20.10	22.93	24.49	24.85	27.68	<=30	Pass
		Inner_1RB_Left	19.55	19.84	22.71	24.30	24.59	27.46	<=30	Pass
		Inner_1RB_Right	20.15	20.49	23.33	24.90	25.24	28.08	<=30	Pass
	3499.98	Edge_1RB_Left	19.32	19.57	22.45	24.07	24.32	27.21	<=30	Pass
		Edge_1RB_Right	19.58	19.97	22.79	24.33	24.72	27.54	<=30	Pass
		Outer_Full	19.76	20.16	22.97	24.51	24.91	27.72	<=30	Pass



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CP-OFDM 64 QAM		Inner_Full	19.76	20.18	22.98	24.51	24.93	27.74	<=30	Pass
		Inner_1RB_Left	19.65	19.98	22.82	24.40	24.73	27.58	<=30	Pass
		Inner_1RB_Right	20.17	20.71	23.46	24.92	25.46	28.21	<=30	Pass
	3500.01	Edge_1RB_Left	19.16	19.66	22.43	23.91	24.41	27.18	<=30	Pass
		Edge_1RB_Right	19.55	19.74	22.66	24.30	24.49	27.41	<=30	Pass
		Outer_Full	19.22	19.57	22.41	23.97	24.32	27.16	<=30	Pass
		Inner_Full	19.25	19.61	22.44	24.00	24.36	27.19	<=30	Pass
		Inner_1RB_Left	18.95	19.43	22.21	23.70	24.18	26.96	<=30	Pass
		Inner_1RB_Right	19.59	20.03	22.83	24.34	24.78	27.58	<=30	Pass
	3500.01	Edge_1RB_Left	19.11	19.31	22.22	23.86	24.06	26.97	<=30	Pass
		Edge_1RB_Right	19.67	19.92	22.80	24.42	24.67	27.56	<=30	Pass
		Outer_Full	19.19	19.58	22.40	23.94	24.33	27.15	<=30	Pass
		Inner_Full	19.22	19.60	22.43	23.97	24.35	27.17	<=30	Pass
		Inner_1RB_Left	19.00	19.30	22.17	23.75	24.05	26.91	<=30	Pass
		Inner_1RB_Right	19.66	19.96	22.82	24.41	24.71	27.57	<=30	Pass
	3499.98	Edge_1RB_Left	19.31	19.62	22.48	24.06	24.37	27.23	<=30	Pass
		Edge_1RB_Right	19.58	19.80	22.70	24.33	24.55	27.45	<=30	Pass
		Outer_Full	19.28	19.62	22.46	24.03	24.37	27.21	<=30	Pass
		Inner_Full	19.23	19.60	22.42	23.98	24.35	27.18	<=30	Pass
		Inner_1RB_Left	19.07	19.45	22.28	23.82	24.20	27.02	<=30	Pass
		Inner_1RB_Right	19.50	19.93	22.73	24.25	24.68	27.48	<=30	Pass
CP-OFDM 256 QAM	3500.01	Edge_1RB_Left	16.31	16.45	19.39	21.06	21.20	24.14	<=30	Pass
		Edge_1RB_Right	16.57	16.84	19.72	21.32	21.59	24.47	<=30	Pass
		Outer_Full	16.27	16.52	19.41	21.02	21.27	24.16	<=30	Pass
		Inner_Full	16.17	16.63	19.42	20.92	21.38	24.17	<=30	Pass
		Inner_1RB_Left	16.12	16.34	19.24	20.87	21.09	23.99	<=30	Pass
		Inner_1RB_Right	16.45	16.98	19.73	21.20	21.73	24.48	<=30	Pass
	3500.01	Edge_1RB_Left	15.98	16.48	19.25	20.73	21.23	24.00	<=30	Pass
		Edge_1RB_Right	16.51	17.06	19.81	21.26	21.81	24.55	<=30	Pass
		Outer_Full	16.25	16.62	19.45	21.00	21.37	24.20	<=30	Pass
		Inner_Full	16.21	16.55	19.39	20.96	21.30	24.14	<=30	Pass
		Inner_1RB_Left	15.99	16.40	19.21	20.74	21.15	23.96	<=30	Pass
		Inner_1RB_Right	16.67	16.91	19.80	21.42	21.66	24.55	<=30	Pass
	3499.98	Edge_1RB_Left	16.20	16.32	19.27	20.95	21.07	24.02	<=30	Pass
		Edge_1RB_Right	16.67	16.89	19.79	21.42	21.64	24.54	<=30	Pass
		Outer_Full	16.22	16.64	19.45	20.97	21.39	24.20	<=30	Pass
		Inner_Full	16.23	16.63	19.45	20.98	21.38	24.19	<=30	Pass



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		Inner_1RB_Left	16.16	16.47	19.33	20.91	21.22	24.08	<=30	Pass
		Inner_1RB_Right	16.81	16.97	19.90	21.56	21.72	24.65	<=30	Pass

Note1: Antenna Gain: Ant1: 4.75dBi; Ant2: 4.75dBi;
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

2. Frequency Stability

2.1 Test Result

2.1.1 30k_SISO_100MHz

5G NR n77d SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-13.70	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-9.70	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-14.70	-0.0042	>=-2.5 & <=2.5	Pass
			0	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	3.90	0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	8.00	0.0023	>=-2.5 & <=2.5	Pass
				HV	-10.70	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-14.00	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass
			40	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-12.00	-0.0034	>=-2.5 & <=2.5	Pass



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