



Appendix A.29

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15_S_10M_NTNV_EIRP

5G NR n30 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Edge_1RB_Left	22.38	/	/	20.50	/	/	/	Pass
		Edge_1RB_Right	22.25	/	/	20.37	/	/	/	Pass
		Outer_Full	20.66	/	/	18.78	/	/	/	Pass
		Inner_Full	22.80	/	/	20.92	/	/	/	Pass
		Inner_1RB_Left	22.96	/	/	21.08	/	/	/	Pass
		Inner_1RB_Right	22.83	/	/	20.95	/	/	/	Pass
DFT-s-OFDM QPSK	2310	Edge_1RB_Left	21.98	/	/	20.10	/	/	/	Pass
		Edge_1RB_Right	21.83	/	/	19.95	/	/	/	Pass
		Outer_Full	21.84	/	/	19.96	/	/	/	Pass
		Inner_Full	22.81	/	/	20.93	/	/	/	Pass
		Inner_1RB_Left	23.03	/	/	21.15	/	/	/	Pass
		Inner_1RB_Right	22.76	/	/	20.88	/	/	/	Pass
DFT-s-OFDM 16 QAM	2310	Edge_1RB_Left	21.05	/	/	19.17	/	/	/	Pass
		Edge_1RB_Right	20.93	/	/	19.05	/	/	/	Pass
		Outer_Full	20.79	/	/	18.91	/	/	/	Pass
		Inner_Full	21.87	/	/	19.99	/	/	/	Pass
		Inner_1RB_Left	22.28	/	/	20.40	/	/	/	Pass
		Inner_1RB_Right	22.16	/	/	20.28	/	/	/	Pass
DFT-s-OFDM 64 QAM	2310	Edge_1RB_Left	20.45	/	/	18.57	/	/	/	Pass
		Edge_1RB_Right	20.50	/	/	18.62	/	/	/	Pass
		Outer_Full	20.32	/	/	18.44	/	/	/	Pass
		Inner_Full	20.32	/	/	18.44	/	/	/	Pass
		Inner_1RB_Left	20.58	/	/	18.70	/	/	/	Pass
		Inner_1RB_Right	20.51	/	/	18.63	/	/	/	Pass
DFT-s-OFDM 256 QAM	2310	Edge_1RB_Left	18.69	/	/	16.81	/	/	/	Pass
		Edge_1RB_Right	18.51	/	/	16.63	/	/	/	Pass
		Outer_Full	18.25	/	/	16.37	/	/	/	Pass
		Inner_Full	18.19	/	/	16.31	/	/	/	Pass
		Inner_1RB_Left	18.85	/	/	16.97	/	/	/	Pass
		Inner_1RB_Right	18.73	/	/	16.85	/	/	/	Pass
CP-OFDM QPSK	2310	Edge_1RB_Left	19.62	/	/	17.74	/	/	/	Pass
		Edge_1RB_Right	19.56	/	/	17.68	/	/	/	Pass
		Outer_Full	19.80	/	/	17.92	/	/	/	Pass
		Inner_Full	21.29	/	/	19.41	/	/	/	Pass
		Inner_1RB_Left	21.50	/	/	19.62	/	/	/	Pass
		Inner_1RB_Right	21.23	/	/	19.35	/	/	/	Pass
CP-OFDM 16 QAM	2310	Edge_1RB_Left	20.16	/	/	18.28	/	/	/	Pass
		Edge_1RB_Right	20.09	/	/	18.21	/	/	/	Pass
		Outer_Full	19.80	/	/	17.92	/	/	/	Pass
		Inner_Full	20.83	/	/	18.95	/	/	/	Pass



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		Inner_1RB_Left	21.12	/	/	19.24	/	/	/	Pass
		Inner_1RB_Right	21.12	/	/	19.24	/	/	/	Pass
CP-OFDM 64 QAM	2310	Edge_1RB_Left	19.69	/	/	17.81	/	/	/	Pass
		Edge_1RB_Right	19.54	/	/	17.66	/	/	/	Pass
		Outer_Full	19.39	/	/	17.51	/	/	/	Pass
		Inner_Full	19.24	/	/	17.36	/	/	/	Pass
		Inner_1RB_Left	19.63	/	/	17.75	/	/	/	Pass
		Inner_1RB_Right	19.66	/	/	17.78	/	/	/	Pass
CP-OFDM 256 QAM	2310	Edge_1RB_Left	16.67	/	/	14.79	/	/	/	Pass
		Edge_1RB_Right	16.50	/	/	14.62	/	/	/	Pass
		Outer_Full	16.37	/	/	14.49	/	/	/	Pass
		Inner_Full	16.32	/	/	14.44	/	/	/	Pass
		Inner_1RB_Left	16.67	/	/	14.79	/	/	/	Pass
		Inner_1RB_Right	16.70	/	/	14.82	/	/	/	Pass
Note1: Antenna Gain: Ant5: -1.88dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15_S_10M_NTNV_EIRP(dBm/5MHz)

5G NR n30 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/5MHz)			EIRP(dBm/5MHz)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Edge_1RB_Left	21.71	/	/	19.83	/	/	/	Pass
		Edge_1RB_Right	21.43	/	/	19.55	/	/	/	Pass
		Outer_Full	18.71	/	/	16.83	/	/	/	Pass
		Inner_Full	22.23	/	/	20.35	/	/	/	Pass
		Inner_1RB_Left	22.10	/	/	20.22	/	/	/	Pass
		Inner_1RB_Right	22.15	/	/	20.27	/	/	/	Pass
DFT-s-OFDM QPSK	2310	Edge_1RB_Left	21.34	/	/	19.46	/	/	/	Pass
		Edge_1RB_Right	21.19	/	/	19.31	/	/	/	Pass
		Outer_Full	18.31	/	/	16.43	/	/	/	Pass
		Inner_Full	22.28	/	/	20.40	/	/	/	Pass
		Inner_1RB_Left	22.36	/	/	20.48	/	/	/	Pass
		Inner_1RB_Right	22.08	/	/	20.20	/	/	/	Pass
DFT-s-OFDM 16 QAM	2310	Edge_1RB_Left	20.81	/	/	18.93	/	/	/	Pass
		Edge_1RB_Right	20.32	/	/	18.44	/	/	/	Pass
		Outer_Full	17.16	/	/	15.28	/	/	/	Pass
		Inner_Full	20.97	/	/	19.09	/	/	/	Pass
		Inner_1RB_Left	21.41	/	/	19.53	/	/	/	Pass
		Inner_1RB_Right	21.32	/	/	19.44	/	/	/	Pass
DFT-s-OFDM 64 QAM	2310	Edge_1RB_Left	19.89	/	/	18.01	/	/	/	Pass
		Edge_1RB_Right	19.61	/	/	17.73	/	/	/	Pass
		Outer_Full	16.93	/	/	15.05	/	/	/	Pass
		Inner_Full	19.71	/	/	17.83	/	/	/	Pass
		Inner_1RB_Left	19.92	/	/	18.04	/	/	/	Pass
		Inner_1RB_Right	19.68	/	/	17.80	/	/	/	Pass
DFT-s-OFDM 256 QAM	2310	Edge_1RB_Left	18.17	/	/	16.29	/	/	/	Pass
		Edge_1RB_Right	18.05	/	/	16.17	/	/	/	Pass
		Outer_Full	14.61	/	/	12.73	/	/	/	Pass
		Inner_Full	17.51	/	/	15.63	/	/	/	Pass
		Inner_1RB_Left	18.07	/	/	16.19	/	/	/	Pass

		Inner_1RB_Right	17.93	/	/	16.05	/	/	/	Pass
CP-OFDM QPSK	2310	Edge_1RB_Left	19.38	/	/	17.50	/	/	/	Pass
		Edge_1RB_Right	19.04	/	/	17.16	/	/	/	Pass
		Outer_Full	16.13	/	/	14.25	/	/	/	Pass
		Inner_Full	20.57	/	/	18.69	/	/	/	Pass
		Inner_1RB_Left	20.00	/	/	18.12	/	/	/	Pass
		Inner_1RB_Right	19.78	/	/	17.90	/	/	/	Pass
CP-OFDM 16 QAM	2310	Edge_1RB_Left	19.12	/	/	17.24	/	/	/	Pass
		Edge_1RB_Right	19.21	/	/	17.33	/	/	/	Pass
		Outer_Full	16.08	/	/	14.20	/	/	/	Pass
		Inner_Full	20.18	/	/	18.30	/	/	/	Pass
		Inner_1RB_Left	20.42	/	/	18.54	/	/	/	Pass
		Inner_1RB_Right	20.16	/	/	18.28	/	/	/	Pass
CP-OFDM 64 QAM	2310	Edge_1RB_Left	18.76	/	/	16.88	/	/	/	Pass
		Edge_1RB_Right	18.89	/	/	17.01	/	/	/	Pass
		Outer_Full	15.66	/	/	13.78	/	/	/	Pass
		Inner_Full	18.48	/	/	16.60	/	/	/	Pass
		Inner_1RB_Left	18.73	/	/	16.85	/	/	/	Pass
		Inner_1RB_Right	18.62	/	/	16.74	/	/	/	Pass
CP-OFDM 256 QAM	2310	Edge_1RB_Left	15.78	/	/	13.90	/	/	/	Pass
		Edge_1RB_Right	15.68	/	/	13.80	/	/	/	Pass
		Outer_Full	12.68	/	/	10.80	/	/	/	Pass
		Inner_Full	15.51	/	/	13.63	/	/	/	Pass
		Inner_1RB_Left	15.75	/	/	13.87	/	/	/	Pass
		Inner_1RB_Right	15.94	/	/	14.06	/	/	/	Pass
Note1: Antenna Gain: Ant5: -1.88dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 15_S_10M

5G NR n30 SCS=15kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	2310	Outer_Full	20	LV	0.30	0.0001	>=-2.5 & <=2.5	Pass
				HV	-0.03	0.0000	>=-2.5 & <=2.5	Pass
			-30	NV	-1.22	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-6.88	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-6.02	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-4.78	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	3.26	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-0.97	-0.0004	>=-2.5 & <=2.5	Pass
			30	NV	-8.42	-0.0036	>=-2.5 & <=2.5	Pass
			40	NV	3.58	0.0015	>=-2.5 & <=2.5	Pass
			50	NV	4.31	0.0019	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

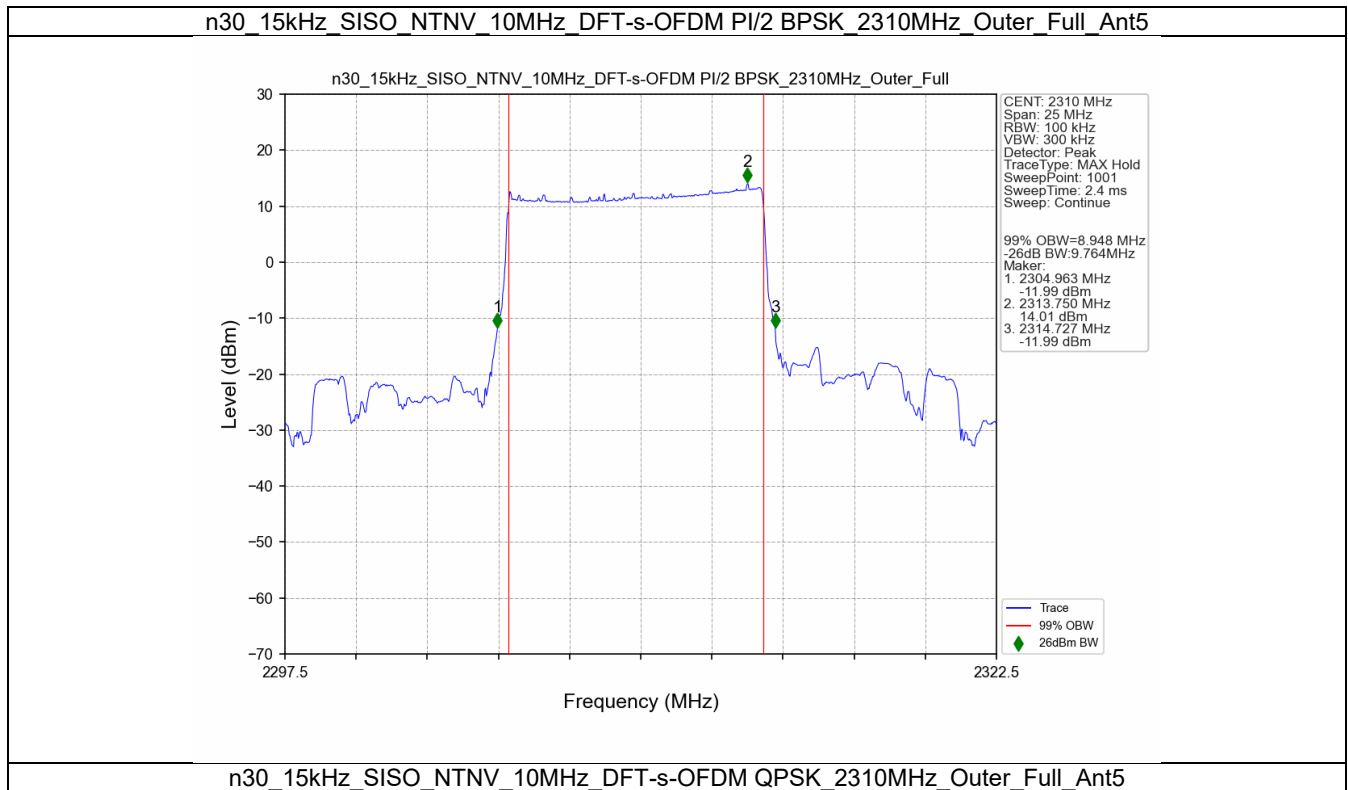
3.1 Test Result

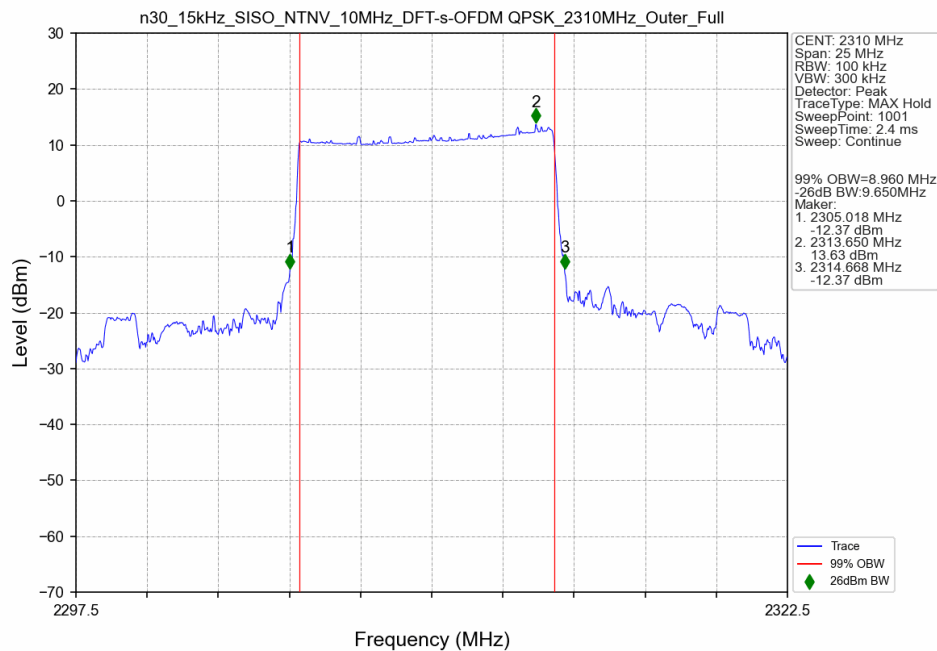
3.1.1 15_S_10M_NTNV

5G NR n30 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	2310	Outer_Full	8.95	9.76	/	Pass
DFT-s-OFDM QPSK	2310	Outer_Full	8.96	9.65	/	Pass
DFT-s-OFDM 16 QAM	2310	Outer_Full	8.97	9.59	/	Pass
DFT-s-OFDM 64 QAM	2310	Outer_Full	8.96	9.82	/	Pass
DFT-s-OFDM 256 QAM	2310	Outer_Full	8.95	9.72	/	Pass
CP-OFDM QPSK	2310	Outer_Full	9.30	10.08	/	Pass
CP-OFDM 16 QAM	2310	Outer_Full	9.32	10.12	/	Pass
CP-OFDM 64 QAM	2310	Outer_Full	9.34	10.17	/	Pass
CP-OFDM 256 QAM	2310	Outer_Full	9.33	10.19	/	Pass

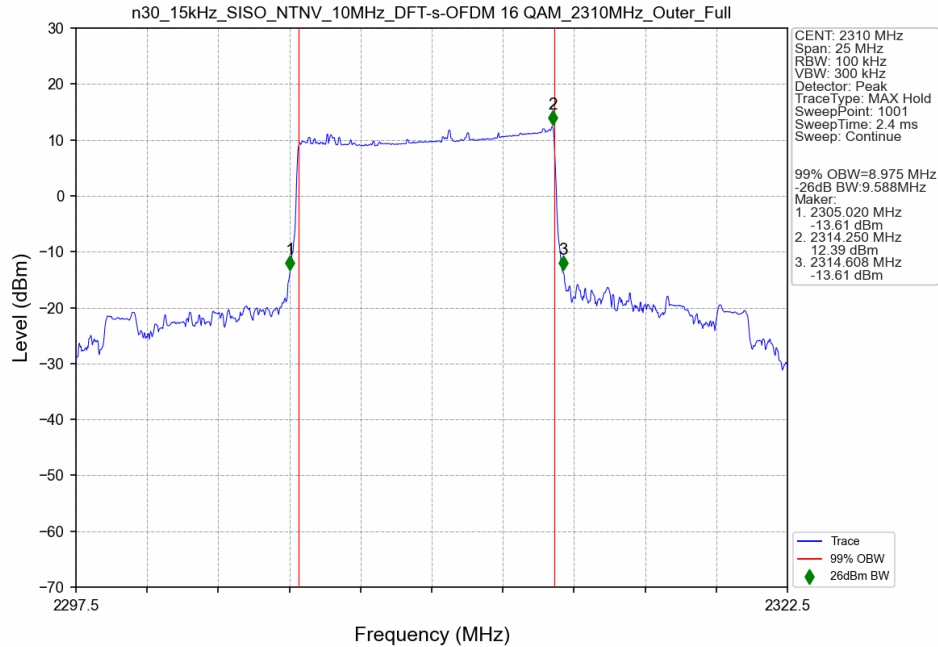
3.2 Test Graph

3.2.1 15_S_10M_NTNV

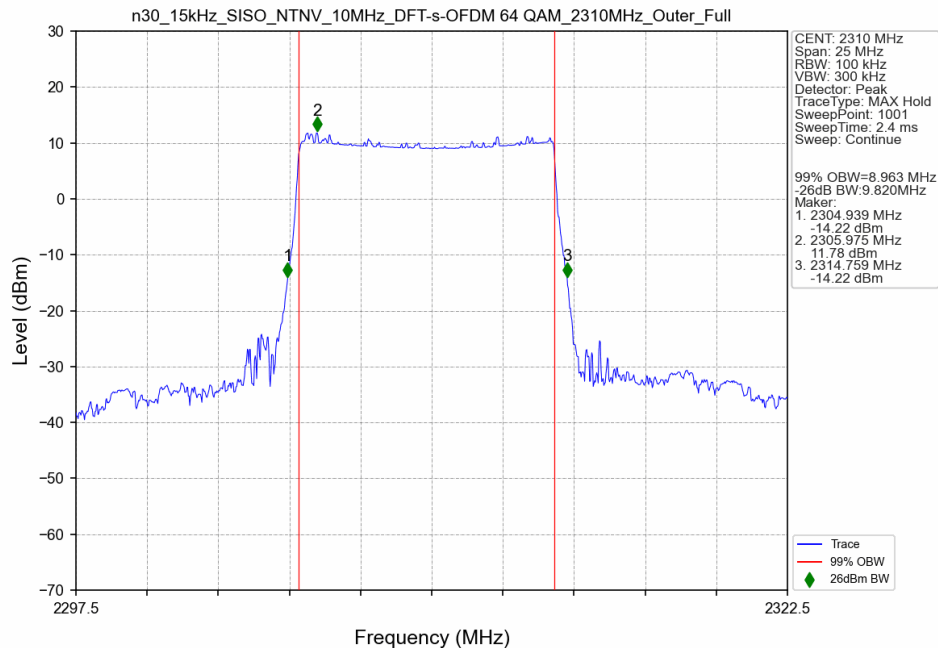




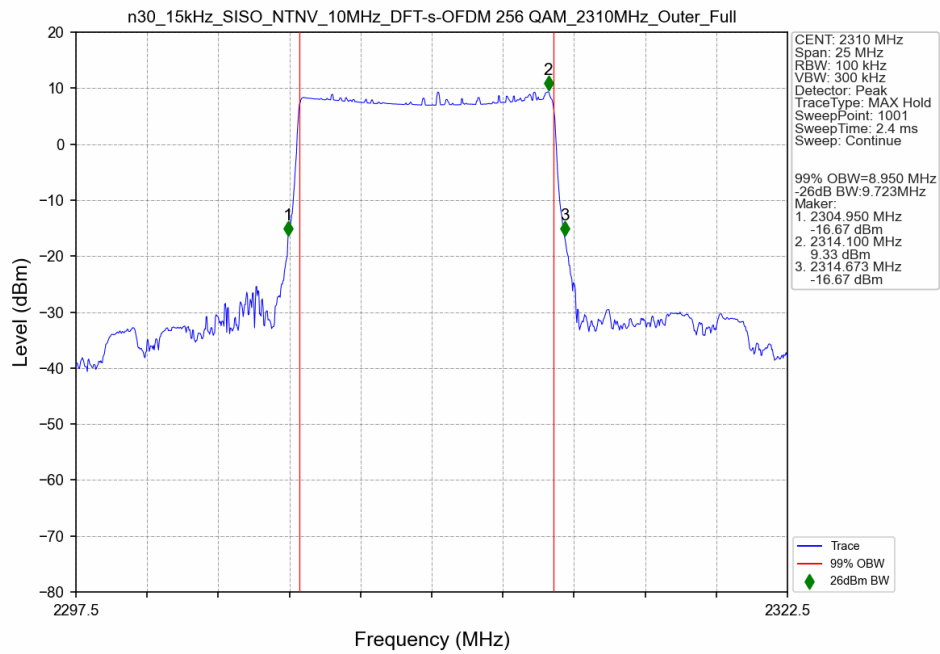
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_2310MHz_Outer_Full_Ant5



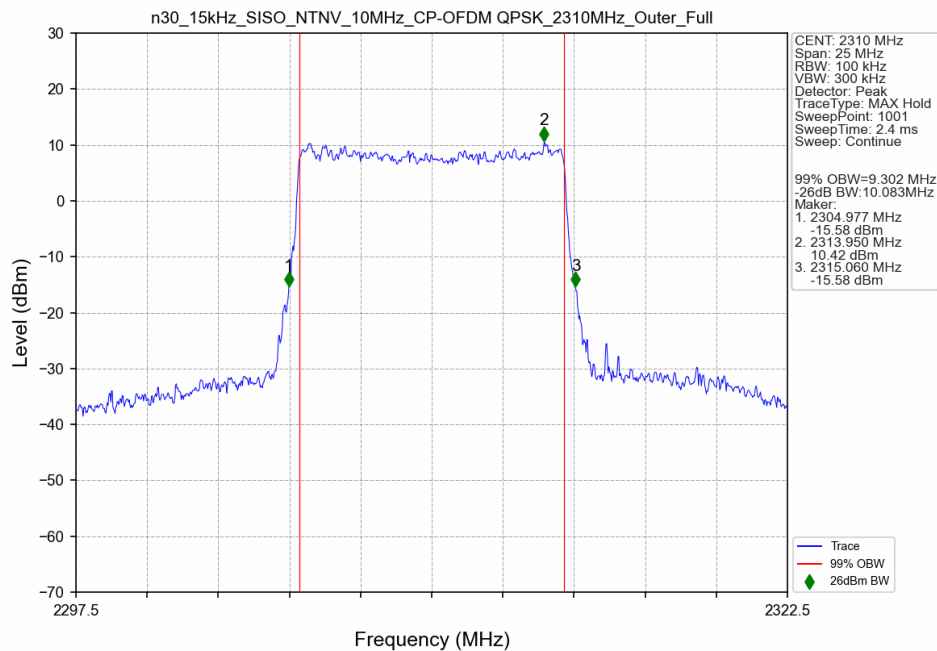
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_2310MHz_Outer_Full_Ant5



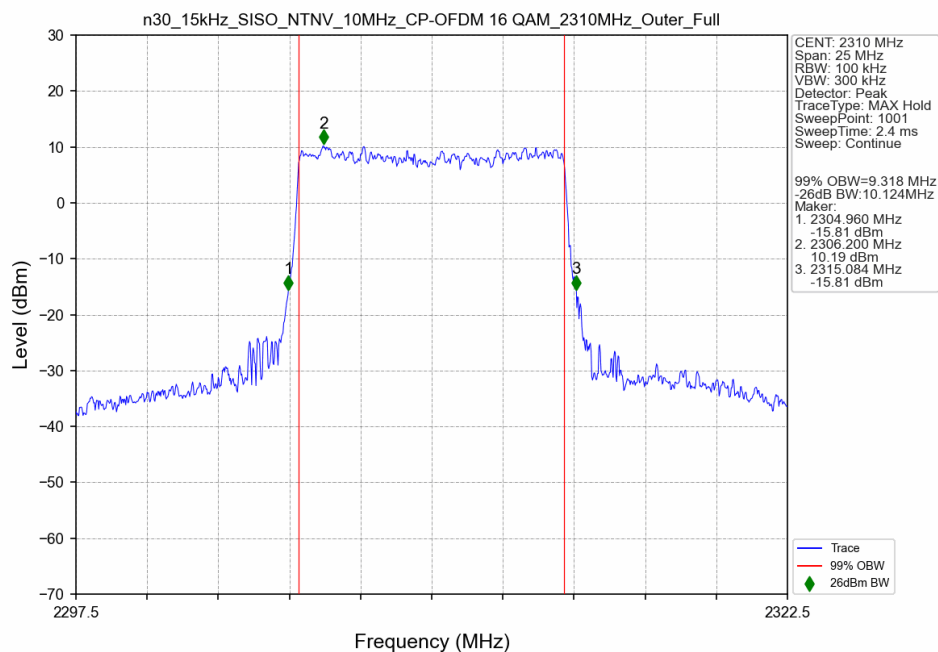
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM 2310MHz_Outer_Full_Ant5



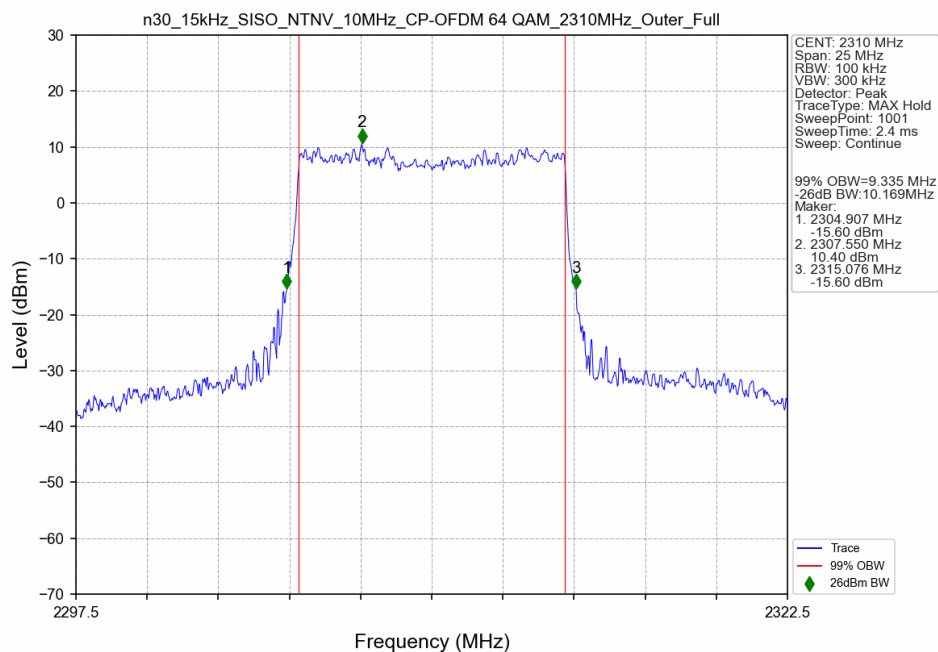
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK 2310MHz_Outer_Full_Ant5



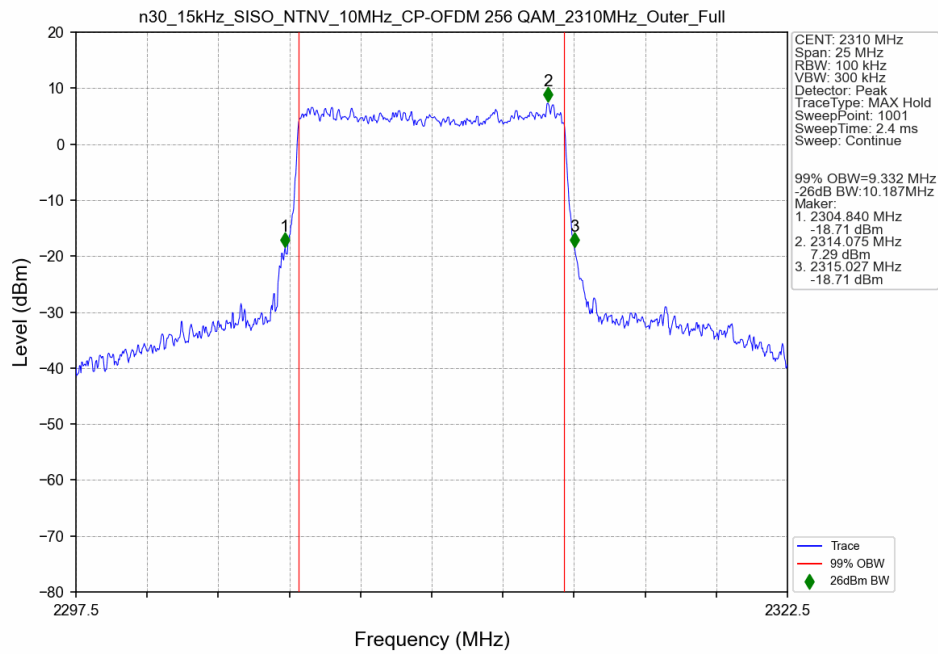
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_2310MHz_Outer_Full_Ant5



n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_2310MHz_Outer_Full_Ant5



n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM 2310MHz_Outer_Full_Ant5





4. Peak-Average Ratio

4.1 Test Result

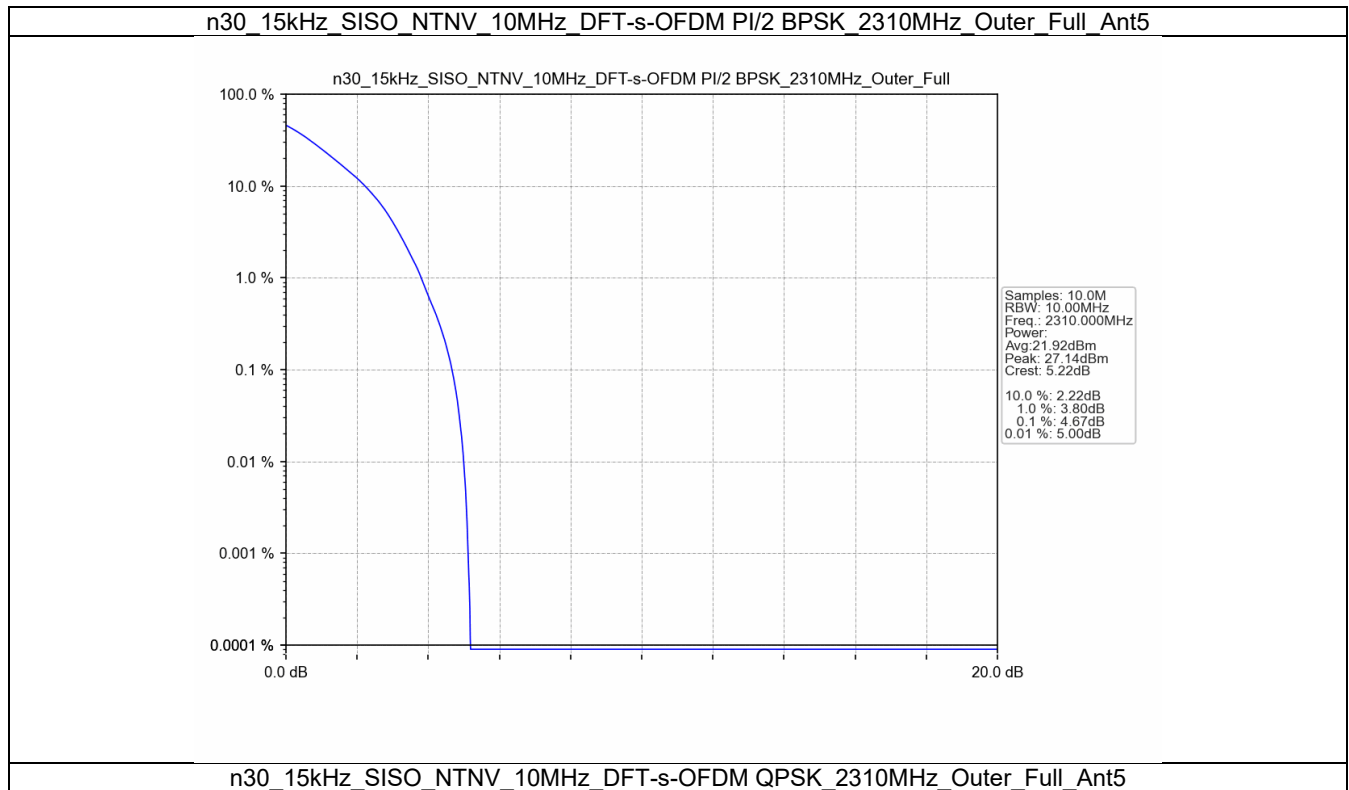
4.1.1 15_S_10M_NTNV

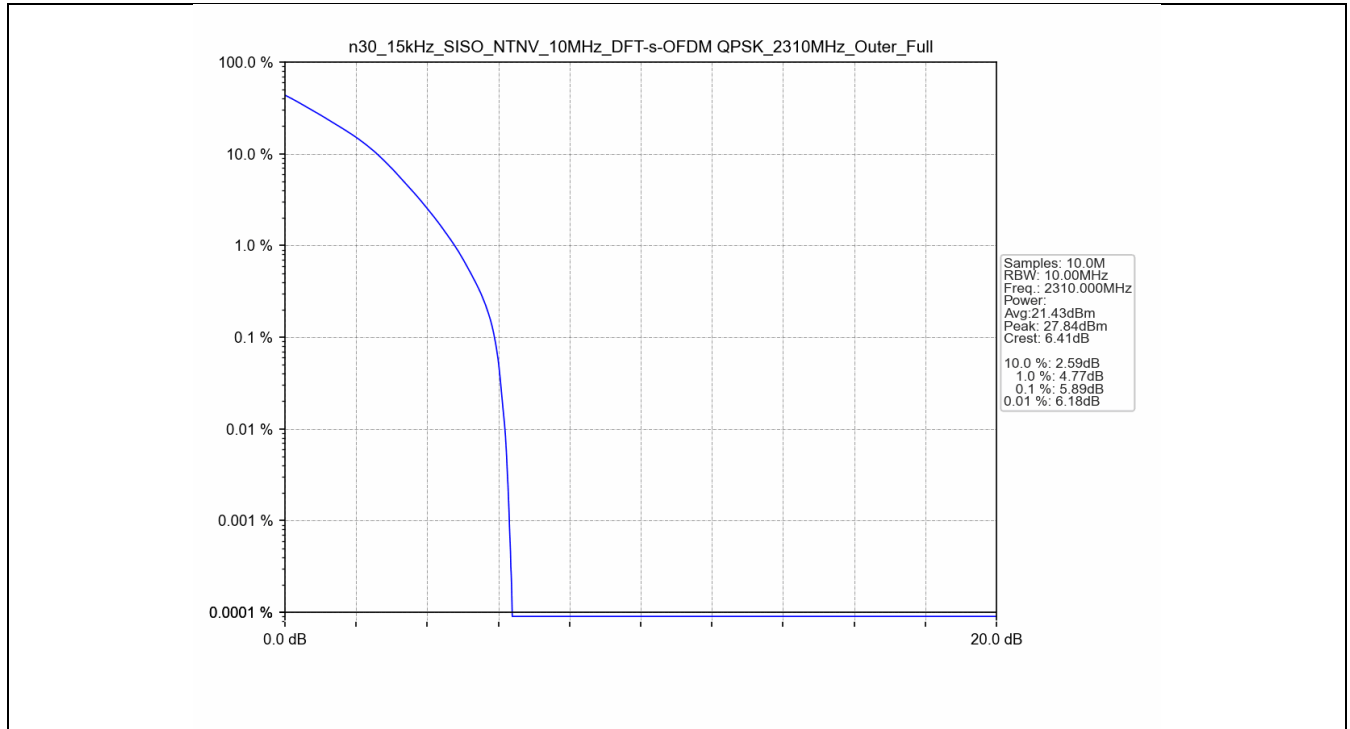
5G NR n30 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Outer_Full	4.67	/	/	<=13	Pass
DFT-s-OFDM QPSK	2310	Outer_Full	5.89	/	/	<=13	Pass
CP-OFDM QPSK	2310	Outer_Full	9.08	/	/	<=13	Pass

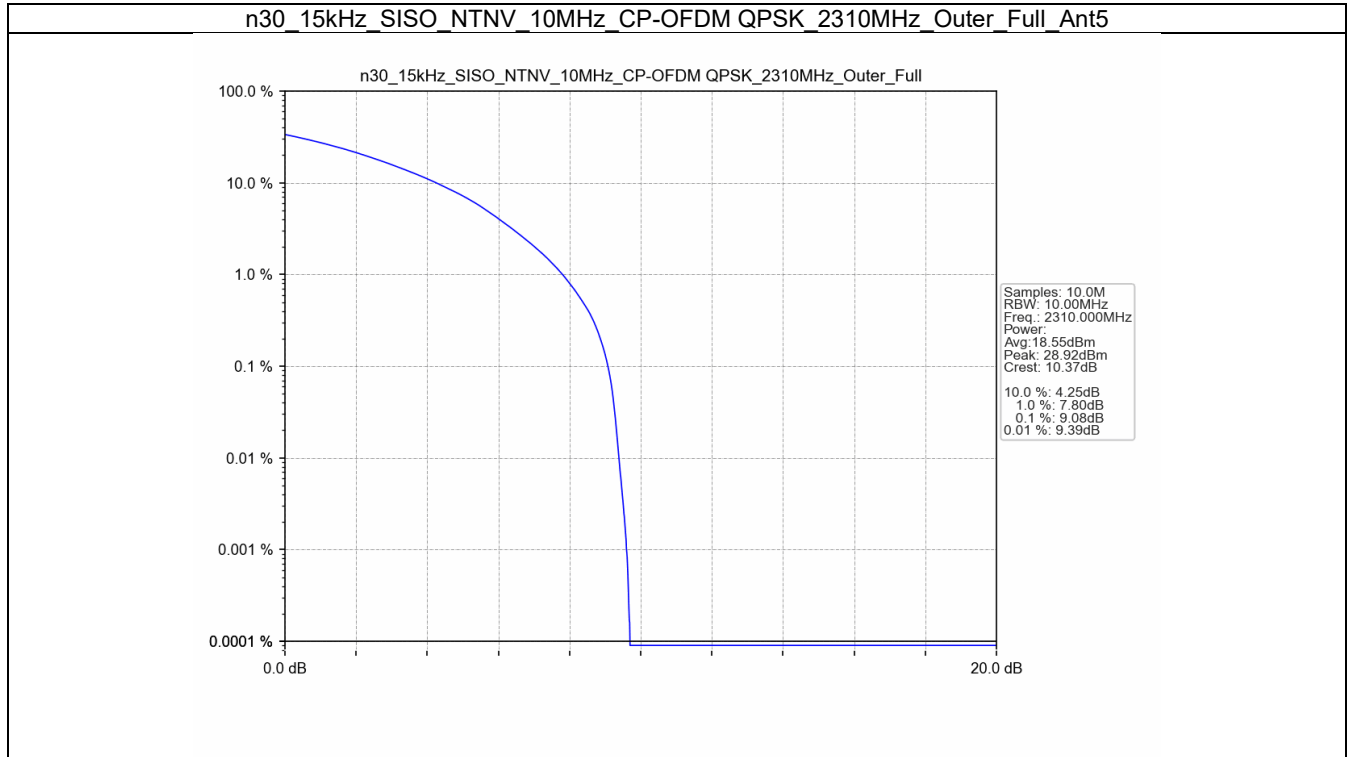


4.2 Test Graph

4.2.1 15_S_10M_NTNV









5. Spurious Emission

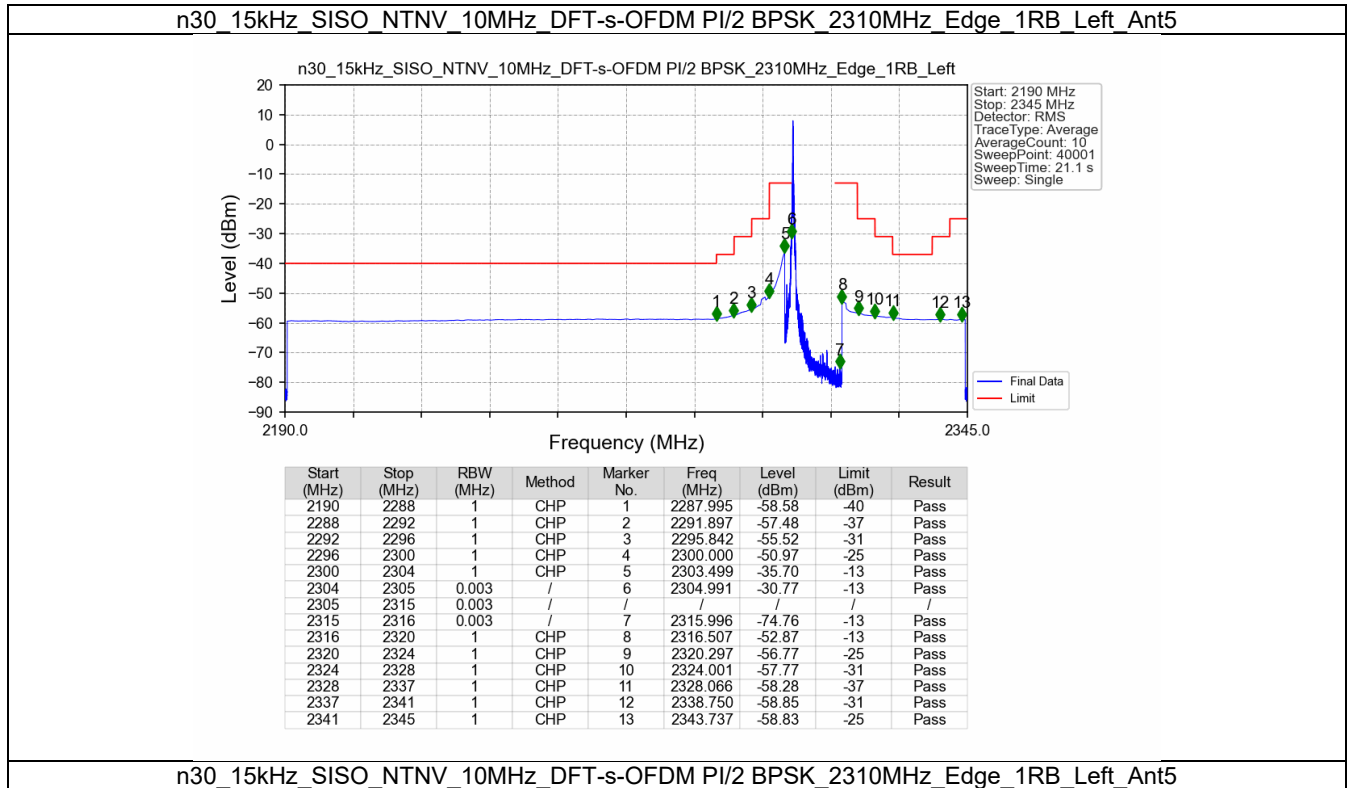
5.1 Test Result

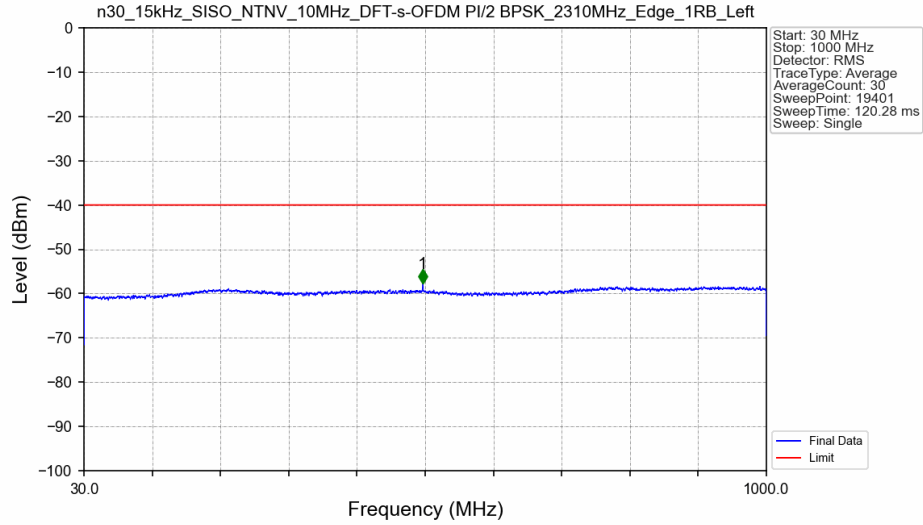
5.1.1 15_S_10M_NTNV

5G NR n30 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2310	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2310	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2310	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	2310	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2310	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.2 Test Graph

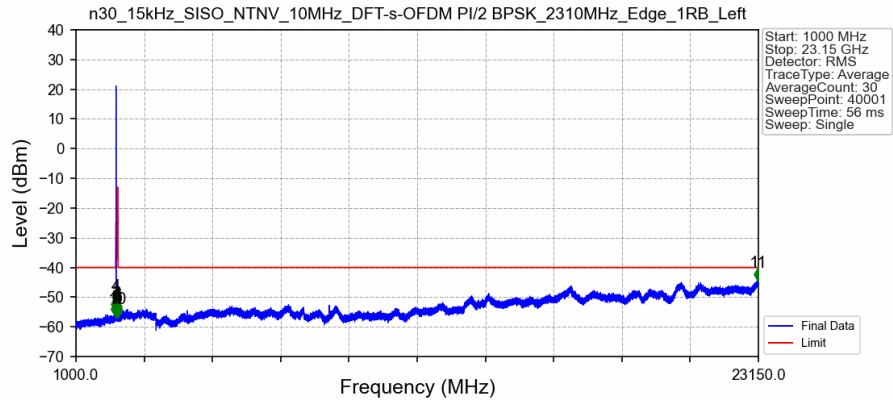
5.2.1 15_S_10M_NTNV





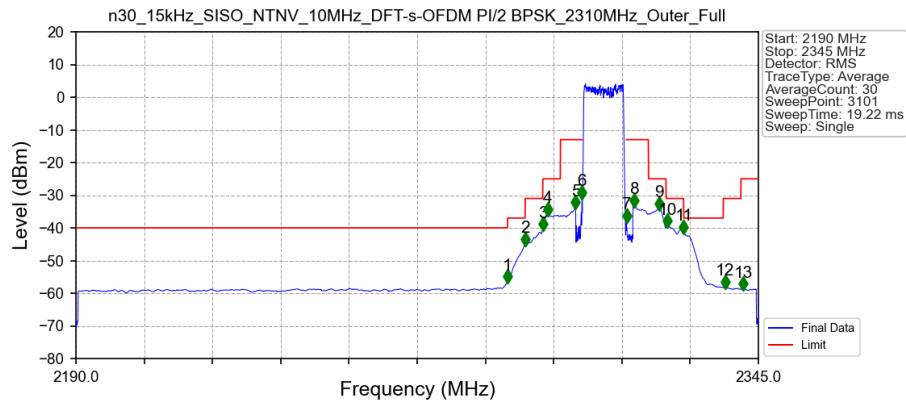
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	511.550	-57.72	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Edge_1RB_Left_Ant5



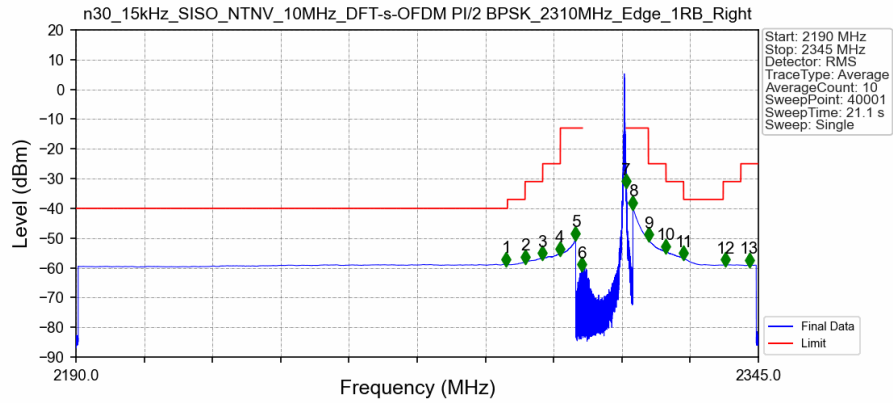
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2287.469	-55.83	-40	Pass
2288	2292	1	/	2	2288.576	-55.73	-37	Pass
2292	2296	1	/	3	2295.775	-54.12	-31	Pass
2296	2300	1	/	4	2298.544	-51.75	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2322.355	-54.99	-25	Pass
2324	2328	1	/	6	2327.339	-55.81	-31	Pass
2328	2337	1	/	7	2329.000	-55.77	-37	Pass
2337	2341	1	/	8	2337.860	-55.95	-31	Pass
2341	2345	1	/	9	2341.182	-56.29	-25	Pass
2345	2365	1	/	10	2345.059	-56.15	-13	Pass
2365	23150	1	/	11	23140.586	-44.02	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Outer_Full_Ant5



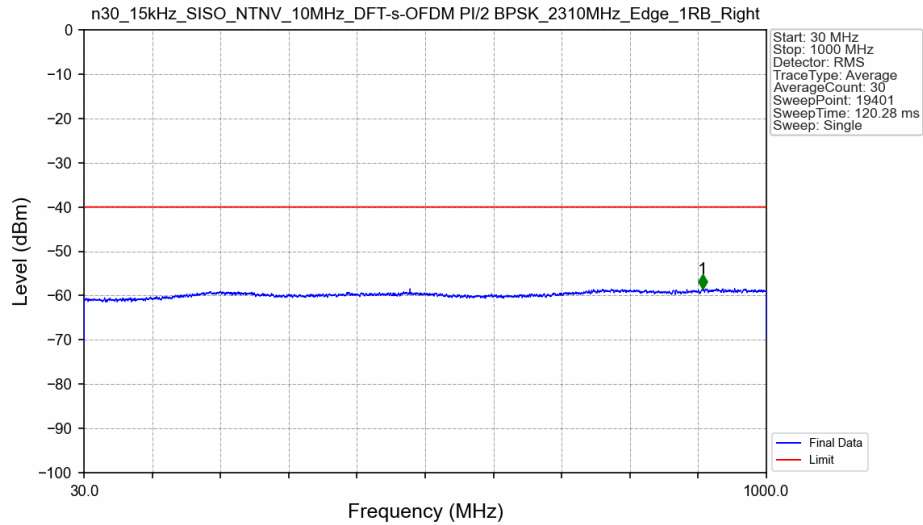
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-56.48	-40	Pass
2288	2292	1	CHP	2	2292.000	-45.07	-37	Pass
2292	2296	1	CHP	3	2296.000	-40.42	-31	Pass
2296	2300	1	CHP	4	2297.150	-35.93	-25	Pass
2300	2304	1	CHP	5	2303.500	-33.74	-13	Pass
2304	2305	0.1	/	6	2304.950	-30.74	-13	Pass
2305	2315	0.1	/	/	/	/	/	/
2315	2316	0.1	/	7	2315.050	-37.77	-13	Pass
2316	2320	1	CHP	8	2316.750	-33.12	-13	Pass
2320	2324	1	CHP	9	2322.450	-34.19	-25	Pass
2324	2328	1	CHP	10	2324.350	-39.43	-31	Pass
2328	2337	1	CHP	11	2328.050	-41.22	-37	Pass
2337	2341	1	CHP	12	2337.400	-58.08	-31	Pass
2341	2345	1	CHP	13	2341.600	-58.69	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_2310MHz_Edge_1RB_Right_Ant5



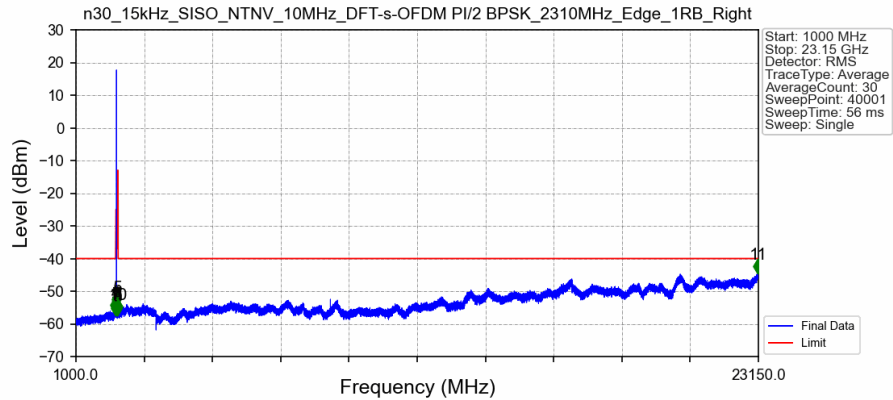
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.727	-58.79	-40	Pass
2288	2292	1	CHP	2	2291.998	-58.02	-37	Pass
2292	2296	1	CHP	3	2295.962	-56.81	-31	Pass
2296	2300	1	CHP	4	2299.934	-55.30	-25	Pass
2300	2304	1	CHP	5	2303.499	-50.14	-13	Pass
2304	2305	0.003	/	6	2304.882	-60.59	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.004	-32.63	-13	Pass
2316	2320	1	CHP	8	2316.503	-39.89	-13	Pass
2320	2324	1	CHP	9	2320.002	-50.58	-25	Pass
2324	2328	1	CHP	10	2324.001	-54.55	-31	Pass
2328	2337	1	CHP	11	2328.000	-56.80	-37	Pass
2337	2341	1	CHP	12	2337.560	-58.97	-31	Pass
2341	2345	1	CHP	13	2342.954	-59.03	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_2310MHz_Edge_1RB_Right_Ant5



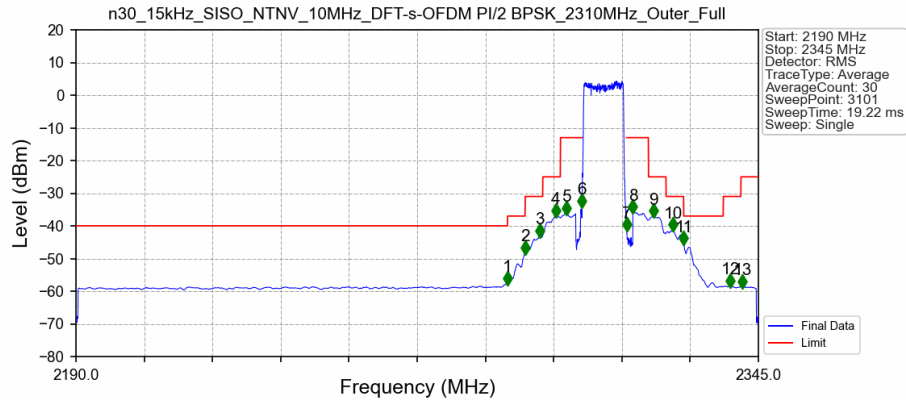
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	909.200	-58.39	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK 2310MHz_Edge_1RB_Right_Ant5



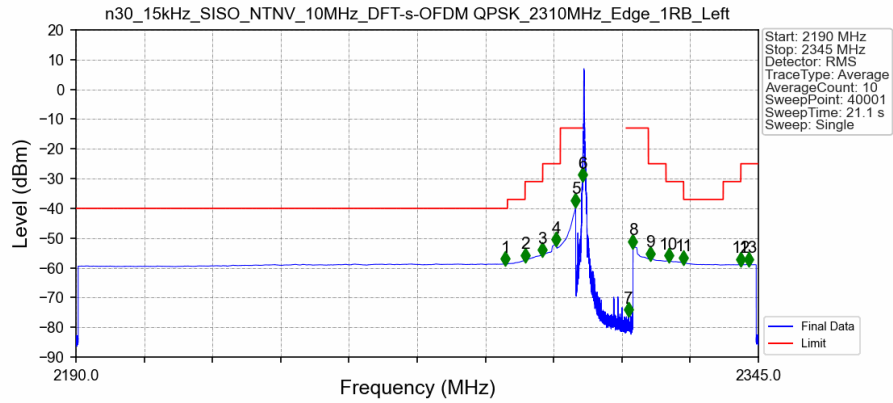
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2250.921	-55.76	-40	Pass
2288	2292	1	/	2	2288.576	-56.71	-37	Pass
2292	2296	1	/	3	2294.114	-56.14	-31	Pass
2296	2300	1	/	4	2297.436	-55.62	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2321.247	-53.95	-25	Pass
2324	2328	1	/	6	2324.016	-56.17	-31	Pass
2328	2337	1	/	7	2332.323	-55.96	-37	Pass
2337	2341	1	/	8	2340.629	-56.71	-31	Pass
2341	2345	1	/	9	2343.398	-56.72	-25	Pass
2345	2365	1	/	10	2362.779	-56.29	-13	Pass
2365	23150	1	/	11	23130.619	-43.87	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK 2310MHz_Outer_Full_Ant5



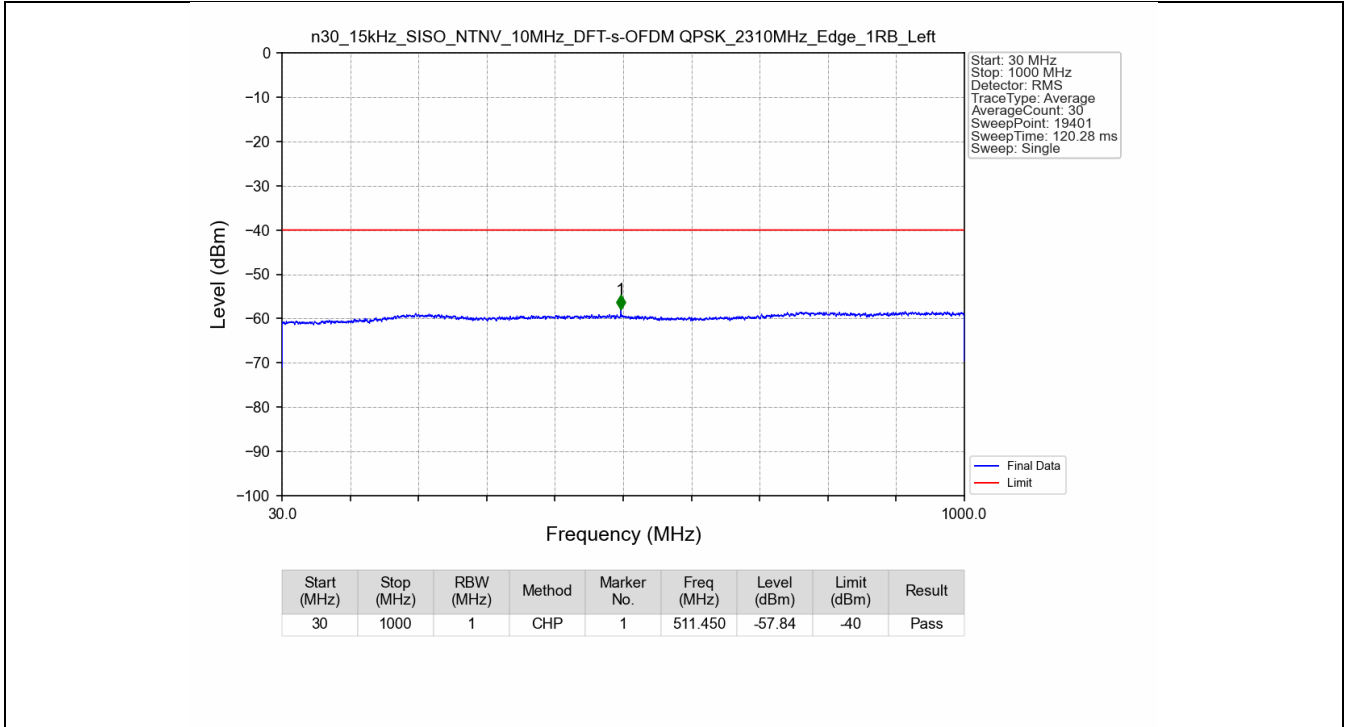
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-57.68	-40	Pass
2288	2292	1	CHP	2	2292.000	-48.13	-37	Pass
2292	2296	1	CHP	3	2295.350	-43.04	-31	Pass
2296	2300	1	CHP	4	2298.950	-36.88	-25	Pass
2300	2304	1	CHP	5	2301.350	-36.05	-13	Pass
2304	2305	0.1	/	6	2304.950	-33.94	-13	Pass
2305	2315	0.1	/	/	/	/	/	/
2315	2316	0.1	/	7	2315.050	-41.18	-13	Pass
2316	2320	1	CHP	8	2316.500	-35.77	-13	Pass
2320	2324	1	CHP	9	2321.250	-36.97	-25	Pass
2324	2328	1	CHP	10	2325.600	-41.20	-31	Pass
2328	2337	1	CHP	11	2328.050	-45.39	-37	Pass
2337	2341	1	CHP	12	2338.600	-58.41	-31	Pass
2341	2345	1	CHP	13	2341.350	-58.61	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant5

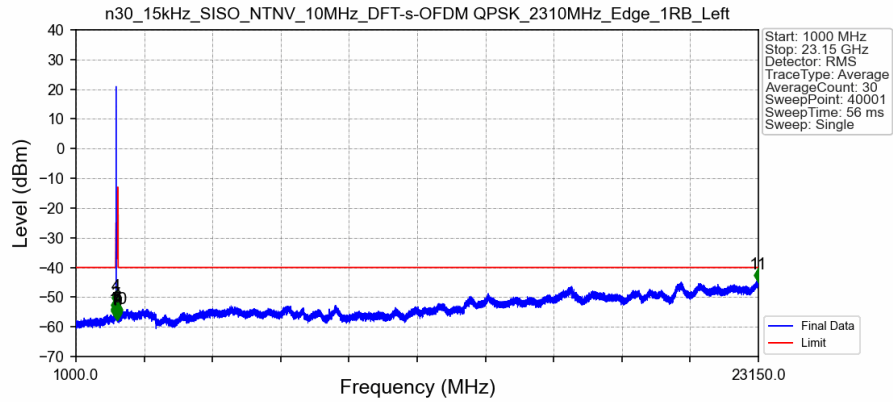


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.507	-58.68	-40	Pass
2288	2292	1	CHP	2	2291.998	-57.48	-37	Pass
2292	2296	1	CHP	3	2295.981	-55.70	-31	Pass
2296	2300	1	CHP	4	2299.035	-52.15	-25	Pass
2300	2304	1	CHP	5	2303.499	-38.97	-13	Pass
2304	2305	0.003	/	6	2304.991	-30.47	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.503	-75.82	-13	Pass
2316	2320	1	CHP	8	2316.507	-52.85	-13	Pass
2320	2324	1	CHP	9	2320.425	-56.92	-25	Pass
2324	2328	1	CHP	10	2324.583	-57.64	-31	Pass
2328	2337	1	CHP	11	2328.000	-58.23	-37	Pass
2337	2341	1	CHP	12	2340.997	-58.90	-31	Pass
2341	2345	1	CHP	13	2342.737	-58.82	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant5

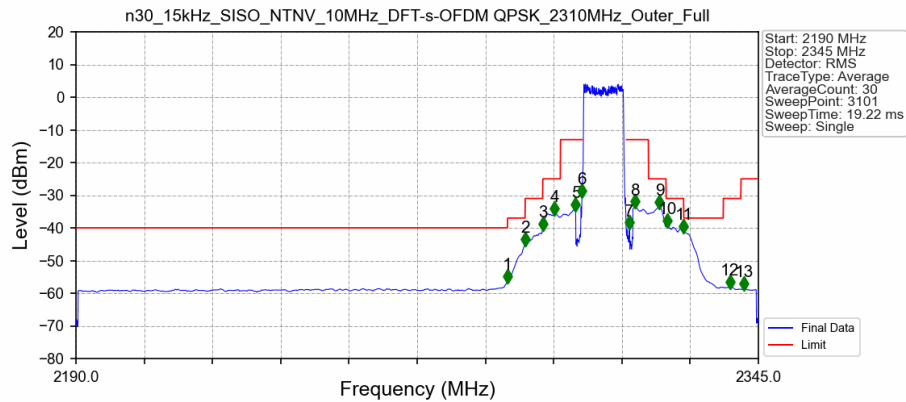


n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant5



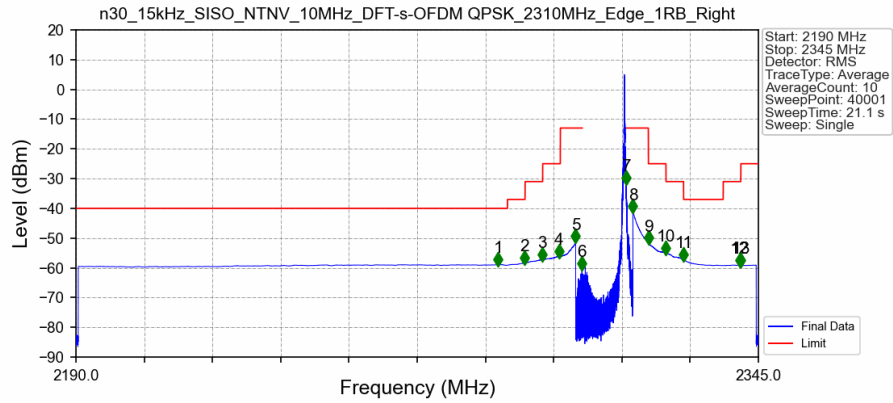
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2278.609	-55.74	-40	Pass
2288	2292	1	/	2	2290.791	-56.14	-37	Pass
2292	2296	1	/	3	2294.668	-54.38	-31	Pass
2296	2300	1	/	4	2298.544	-51.82	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2320.694	-56.05	-25	Pass
2324	2328	1	/	6	2324.016	-55.54	-31	Pass
2328	2337	1	/	7	2329.000	-56.23	-37	Pass
2337	2341	1	/	8	2337.306	-57.03	-31	Pass
2341	2345	1	/	9	2344.505	-56.85	-25	Pass
2345	2365	1	/	10	2359.456	-56.08	-13	Pass
2365	23150	1	/	11	23145.016	-44.40	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Outer_Full_Ant5



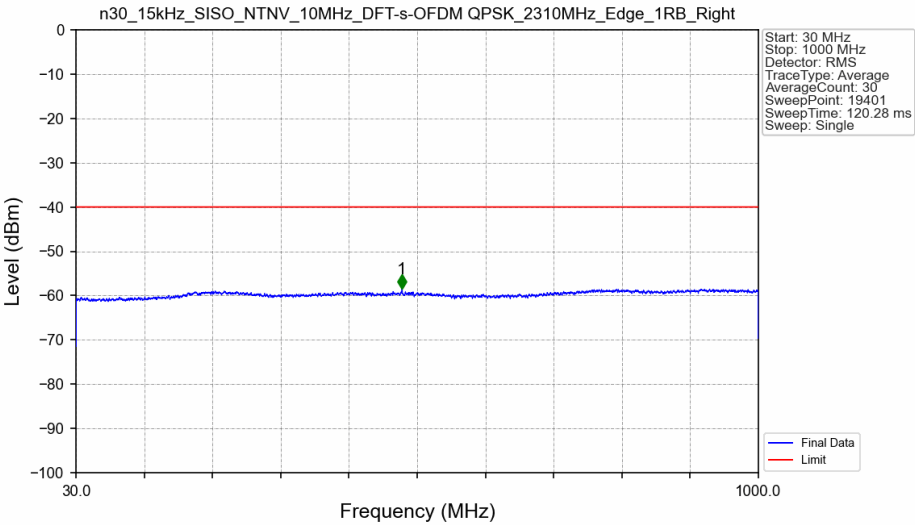
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-56.42	-40	Pass
2288	2292	1	CHP	2	2292.000	-44.94	-37	Pass
2292	2296	1	CHP	3	2296.000	-40.26	-31	Pass
2296	2300	1	CHP	4	2298.700	-35.69	-25	Pass
2300	2304	1	CHP	5	2303.500	-34.46	-13	Pass
2304	2305	0.1	/	6	2304.950	-30.22	-13	Pass
2305	2315	0.1	/	/	/	/	/	/
2315	2316	0.1	/	7	2315.600	-39.92	-13	Pass
2316	2320	1	CHP	8	2316.900	-33.50	-13	Pass
2320	2324	1	CHP	9	2322.550	-33.57	-25	Pass
2324	2328	1	CHP	10	2324.350	-39.30	-31	Pass
2328	2337	1	CHP	11	2328.050	-40.98	-37	Pass
2337	2341	1	CHP	12	2338.550	-58.12	-31	Pass
2341	2345	1	CHP	13	2341.750	-58.66	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Edge_1RB_Right_Ant5



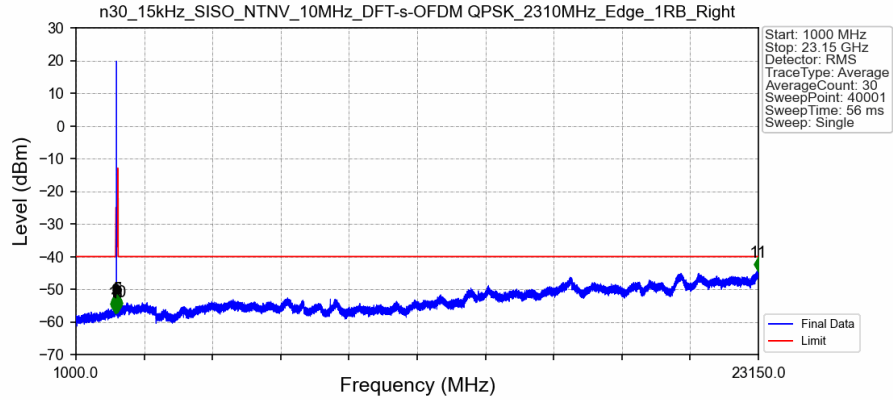
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2285.852	-58.88	-40	Pass
2288	2292	1	CHP	2	2291.812	-58.30	-37	Pass
2292	2296	1	CHP	3	2295.962	-57.21	-31	Pass
2296	2300	1	CHP	4	2299.686	-56.18	-25	Pass
2300	2304	1	CHP	5	2303.495	-51.08	-13	Pass
2304	2305	0.003	/	6	2304.925	-60.26	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.019	-31.35	-13	Pass
2316	2320	1	CHP	8	2316.503	-41.04	-13	Pass
2320	2324	1	CHP	9	2320.002	-51.63	-25	Pass
2324	2328	1	CHP	10	2324.005	-55.06	-31	Pass
2328	2337	1	CHP	11	2328.004	-57.25	-37	Pass
2337	2341	1	CHP	12	2340.730	-59.04	-31	Pass
2341	2345	1	CHP	13	2341.001	-59.06	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Edge_1RB_Right_Ant5



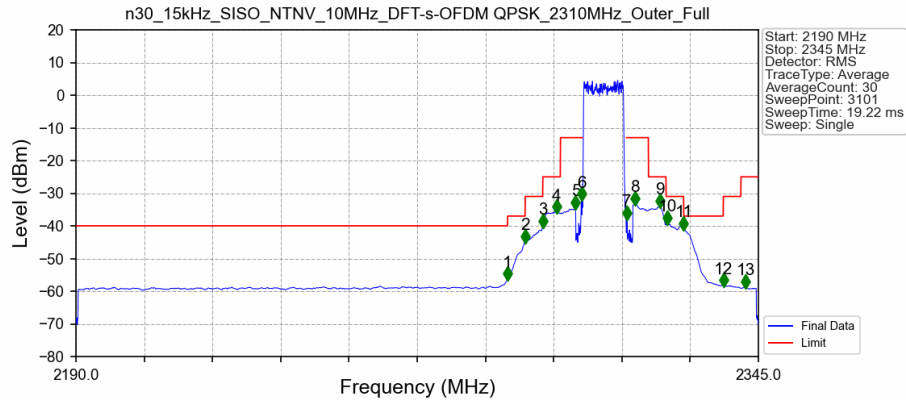
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	493.250	-58.41	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Edge_1RB_Right_Ant5



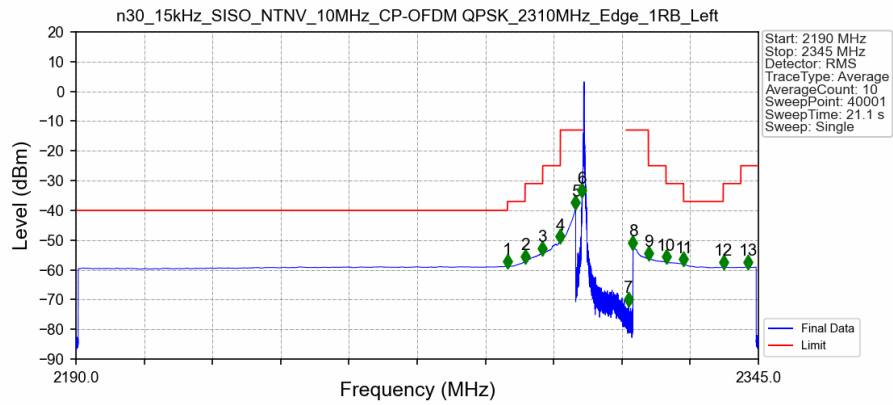
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2261.996	-55.93	-40	Pass
2288	2292	1	/	2	2288.023	-56.76	-37	Pass
2292	2296	1	/	3	2295.221	-55.38	-31	Pass
2296	2300	1	/	4	2299.651	-55.93	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2321.801	-54.89	-25	Pass
2324	2328	1	/	6	2325.124	-54.92	-31	Pass
2328	2337	1	/	7	2331.215	-56.18	-37	Pass
2337	2341	1	/	8	2339.521	-56.49	-31	Pass
2341	2345	1	/	9	2344.505	-56.38	-25	Pass
2345	2365	1	/	10	2353.365	-55.84	-13	Pass
2365	23150	1	/	11	23149.446	-43.96	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Outer_Full_Ant5



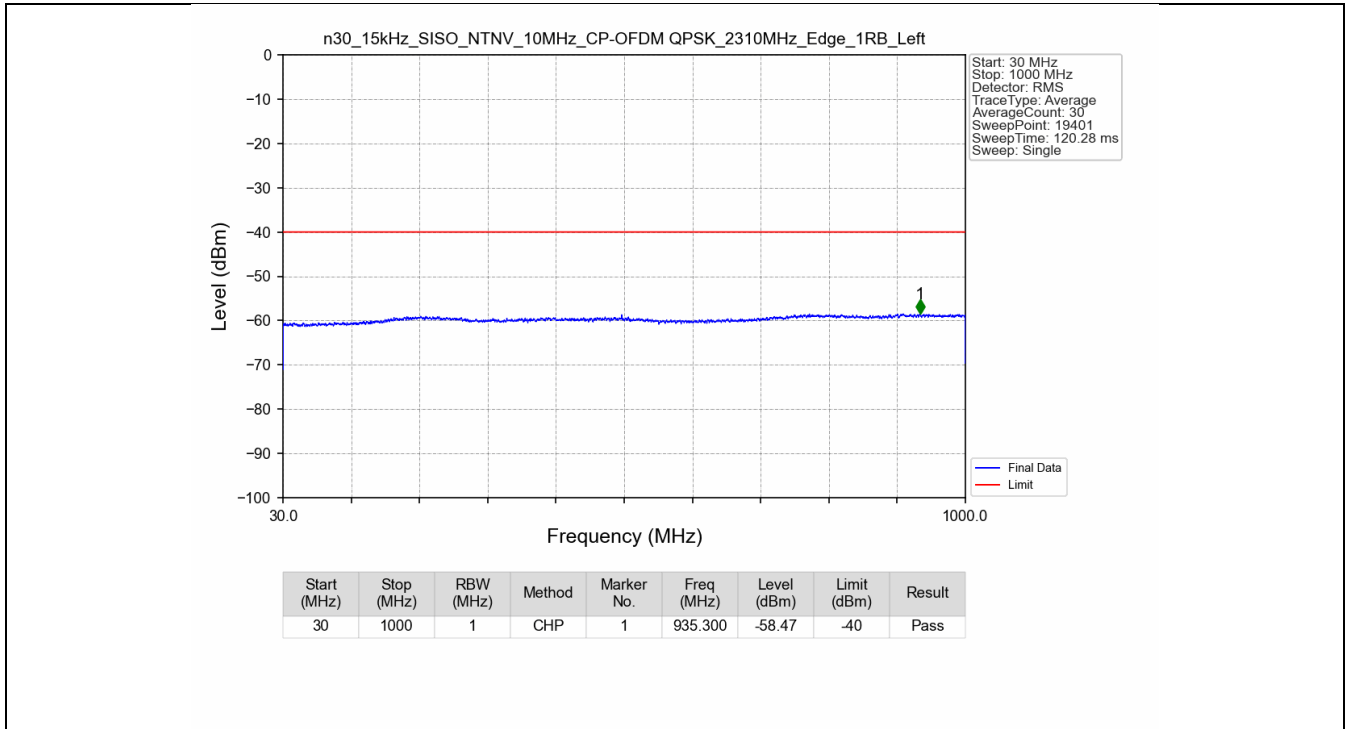
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-56.24	-40	Pass
2288	2292	1	CHP	2	2292.000	-44.80	-37	Pass
2292	2296	1	CHP	3	2296.000	-40.12	-31	Pass
2296	2300	1	CHP	4	2299.200	-35.74	-25	Pass
2300	2304	1	CHP	5	2303.500	-34.37	-13	Pass
2304	2305	0.1	/	6	2304.800	-31.80	-13	Pass
2305	2315	0.1	/	/	/	/	/	/
2315	2316	0.1	/	7	2315.150	-37.61	-13	Pass
2316	2320	1	CHP	8	2316.900	-33.21	-13	Pass
2320	2324	1	CHP	9	2322.650	-33.96	-25	Pass
2324	2328	1	CHP	10	2324.300	-39.11	-31	Pass
2328	2337	1	CHP	11	2328.050	-40.74	-37	Pass
2337	2341	1	CHP	12	2337.050	-58.22	-31	Pass
2341	2345	1	CHP	13	2342.050	-58.64	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant5

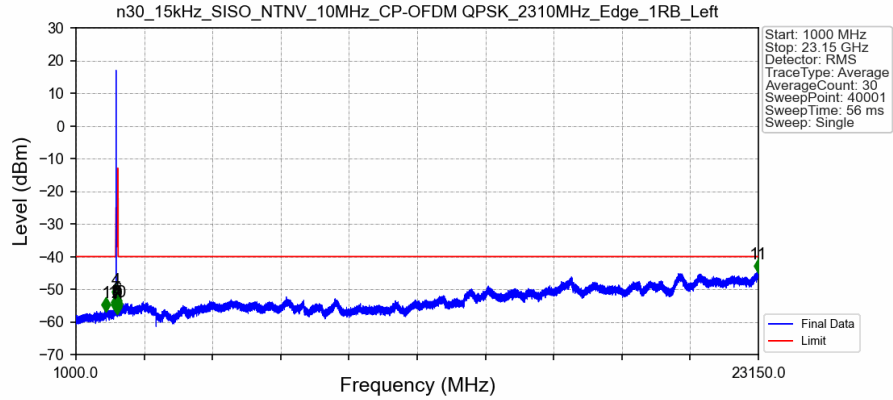


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.964	-58.77	-40	Pass
2288	2292	1	CHP	2	2291.994	-57.24	-37	Pass
2292	2296	1	CHP	3	2295.931	-54.45	-31	Pass
2296	2300	1	CHP	4	2299.996	-50.58	-25	Pass
2300	2304	1	CHP	5	2303.499	-39.17	-13	Pass
2304	2305	0.003	/	6	2304.967	-34.89	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.457	-71.68	-13	Pass
2316	2320	1	CHP	8	2316.503	-52.59	-13	Pass
2320	2324	1	CHP	9	2320.002	-56.20	-25	Pass
2324	2328	1	CHP	10	2324.032	-57.36	-31	Pass
2328	2337	1	CHP	11	2328.000	-58.14	-37	Pass
2337	2341	1	CHP	12	2337.083	-59.04	-31	Pass
2341	2345	1	CHP	13	2342.702	-59.06	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant5

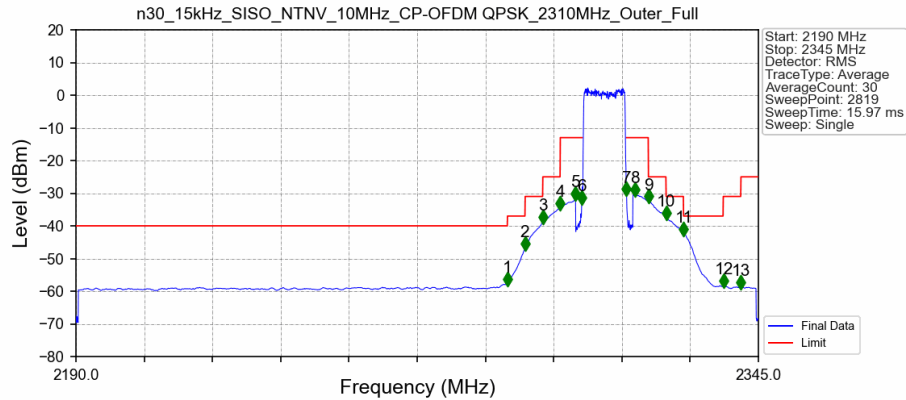


n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant5



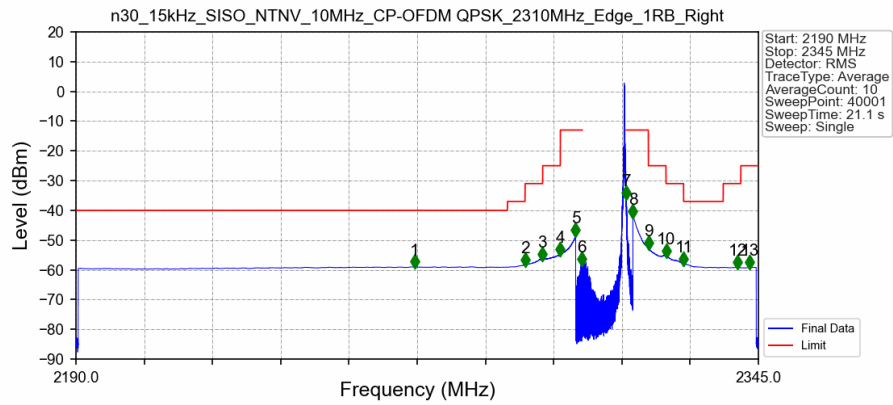
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	1972.385	-56.15	-40	Pass
2288	2292	1	/	2	2291.899	-56.26	-37	Pass
2292	2296	1	/	3	2293.560	-55.62	-31	Pass
2296	2300	1	/	4	2299.097	-52.30	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2321.247	-56.00	-25	Pass
2324	2328	1	/	6	2324.016	-55.06	-31	Pass
2328	2337	1	/	7	2330.108	-56.81	-37	Pass
2337	2341	1	/	8	2338.968	-56.96	-31	Pass
2341	2345	1	/	9	2344.505	-56.24	-25	Pass
2345	2365	1	/	10	2349.489	-55.95	-13	Pass
2365	23150	1	/	11	23147.231	-44.32	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Outer_Full_Ant5



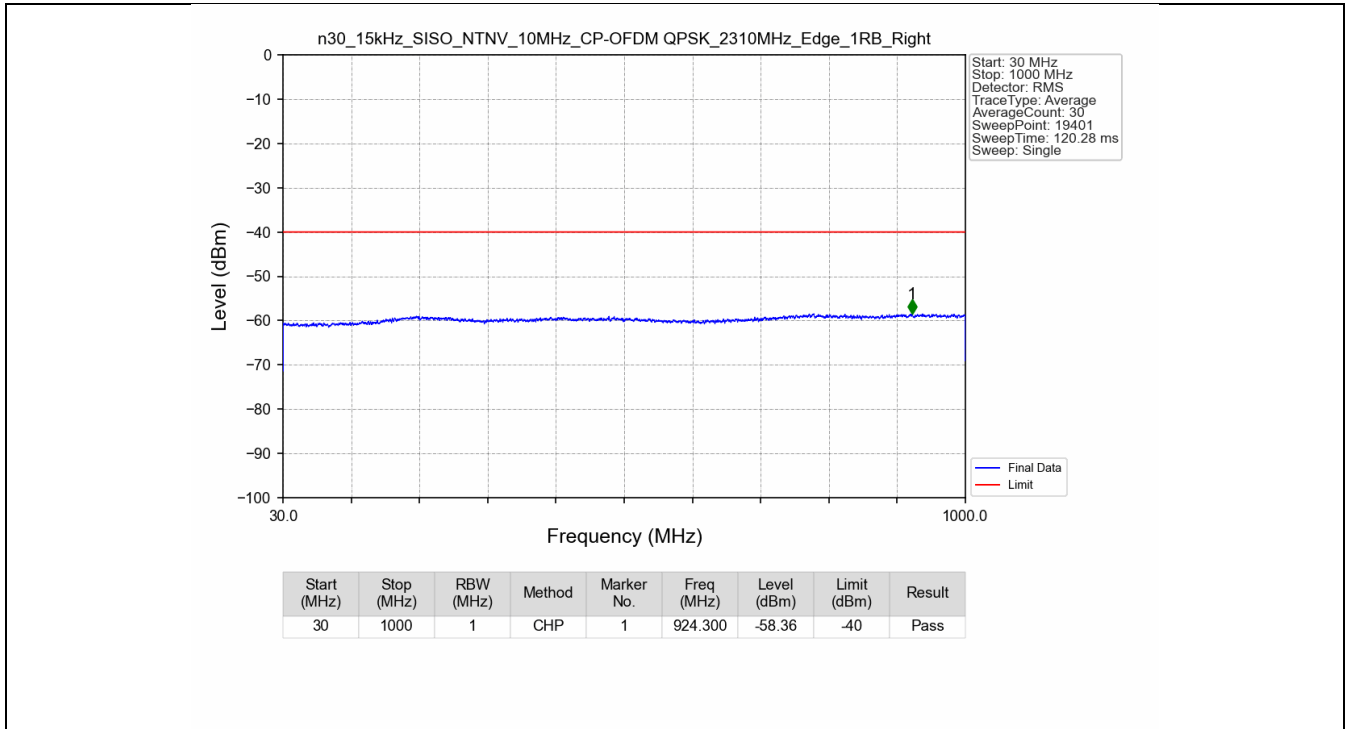
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.961	-57.81	-40	Pass
2288	2292	1	CHP	2	2291.977	-46.93	-37	Pass
2292	2296	1	CHP	3	2295.992	-38.76	-31	Pass
2296	2300	1	CHP	4	2299.952	-34.69	-25	Pass
2300	2304	1	CHP	5	2303.472	-31.72	-13	Pass
2304	2305	0.11	/	6	2304.957	-32.83	-13	Pass
2305	2315	0.11	/	/	/	/	/	/
2315	2316	0.11	/	7	2315.023	-30.28	-13	Pass
2316	2320	1	CHP	8	2316.893	-30.46	-13	Pass
2320	2324	1	CHP	9	2320.028	-32.54	-25	Pass
2324	2328	1	CHP	10	2324.044	-37.57	-31	Pass
2328	2337	1	CHP	11	2328.004	-42.51	-37	Pass
2337	2341	1	CHP	12	2337.134	-58.42	-31	Pass
2341	2345	1	CHP	13	2341.040	-58.76	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Edge_1RB_Right_Ant5

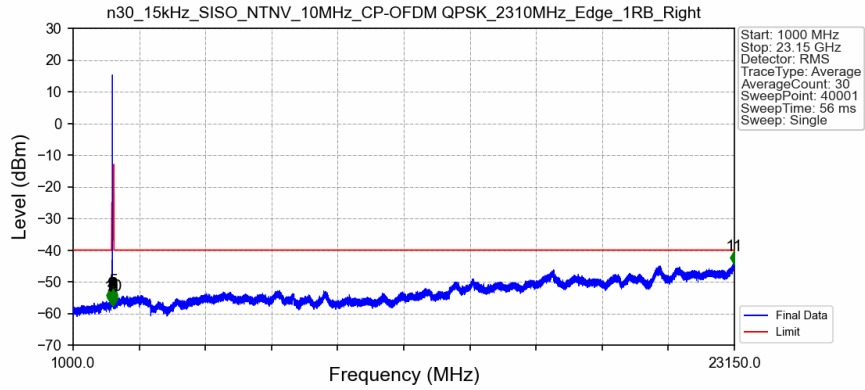


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2266.911	-58.96	-40	Pass
2288	2292	1	CHP	2	2291.998	-58.23	-37	Pass
2292	2296	1	CHP	3	2295.943	-56.41	-31	Pass
2296	2300	1	CHP	4	2299.969	-54.80	-25	Pass
2300	2304	1	CHP	5	2303.499	-48.31	-13	Pass
2304	2305	0.003	/	6	2304.963	-58.06	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.035	-35.82	-13	Pass
2316	2320	1	CHP	8	2316.503	-41.91	-13	Pass
2320	2324	1	CHP	9	2320.006	-52.61	-25	Pass
2324	2328	1	CHP	10	2324.036	-55.21	-31	Pass
2328	2337	1	CHP	11	2328.028	-57.99	-37	Pass
2337	2341	1	CHP	12	2340.319	-59.13	-31	Pass
2341	2345	1	CHP	13	2342.993	-59.14	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Edge_1RB_Right_Ant5

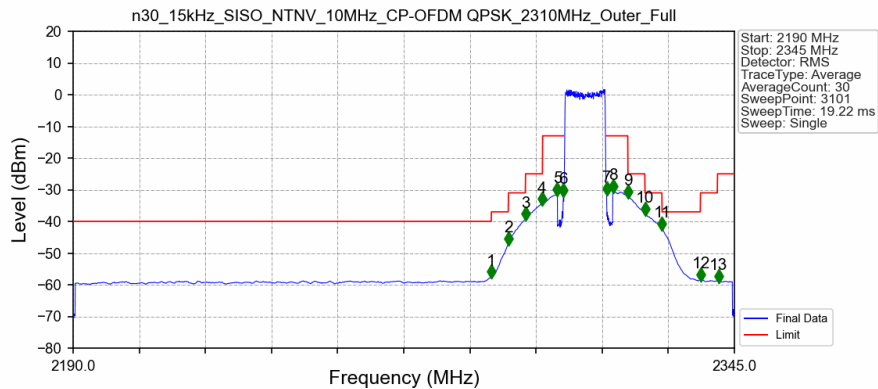


n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2310MHz_Edge_1RB_Right_Ant5



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2247.599	-55.90	-40	Pass
2288	2292	1	/	2	2290.791	-56.53	-37	Pass
2292	2296	1	/	3	2294.114	-55.77	-31	Pass
2296	2300	1	/	4	2299.097	-56.01	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2320.140	-54.81	-25	Pass
2324	2328	1	/	6	2326.231	-55.64	-31	Pass
2328	2337	1	/	7	2330.108	-56.15	-37	Pass
2337	2341	1	/	8	2337.306	-56.70	-31	Pass
2341	2345	1	/	9	2342.290	-56.89	-25	Pass
2345	2365	1	/	10	2346.166	-56.36	-13	Pass
2365	23150	1	/	11	23141.694	-43.83	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2310MHz_Outer_Full_Ant5



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-57.49	-40	Pass
2288	2292	1	CHP	2	2292.000	-46.93	-37	Pass
2292	2296	1	CHP	3	2296.000	-39.19	-31	Pass
2296	2300	1	CHP	4	2299.900	-34.48	-25	Pass
2300	2304	1	CHP	5	2303.500	-31.45	-13	Pass
2304	2305	0.1	/	6	2304.950	-31.61	-13	Pass
2305	2315	0.1	/	/	/	/	/	/
2315	2316	0.1	/	7	2315.050	-31.22	-13	Pass
2316	2320	1	CHP	8	2316.600	-30.44	-13	Pass
2320	2324	1	CHP	9	2320.050	-32.08	-25	Pass
2324	2328	1	CHP	10	2324.050	-37.57	-31	Pass
2328	2337	1	CHP	11	2328.050	-42.37	-37	Pass
2337	2341	1	CHP	12	2337.100	-58.39	-31	Pass
2341	2345	1	CHP	13	2341.300	-58.75	-25	Pass

---End of Attachment---