



Report No.: SUCR260400031710

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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	22.23	/	/	20.41	/	/	/	Pass
		Edge_1RB_Right	22.51	/	/	20.69	/	/	/	Pass
		Outer_Full	22.20	/	/	20.38	/	/	/	Pass
		Inner_Full	22.61	/	/	20.79	/	/	/	Pass
		Inner_1RB_Left	22.66	/	/	20.84	/	/	/	Pass
		Inner_1RB_Right	22.84	/	/	21.02	/	/	/	Pass
DFT-s-OFDM QPSK	2310	Edge_1RB_Left	21.66	/	/	19.84	/	/	/	Pass
		Edge_1RB_Right	21.90	/	/	20.08	/	/	/	Pass
		Outer_Full	21.64	/	/	19.82	/	/	/	Pass
		Inner_Full	22.65	/	/	20.83	/	/	/	Pass
		Inner_1RB_Left	22.69	/	/	20.87	/	/	/	Pass
		Inner_1RB_Right	22.85	/	/	21.03	/	/	/	Pass
DFT-s-OFDM 16 QAM	2310	Edge_1RB_Left	20.82	/	/	19.00	/	/	/	Pass
		Edge_1RB_Right	21.16	/	/	19.34	/	/	/	Pass
		Outer_Full	20.73	/	/	18.91	/	/	/	Pass
		Inner_Full	21.73	/	/	19.91	/	/	/	Pass
		Inner_1RB_Left	21.85	/	/	20.03	/	/	/	Pass
		Inner_1RB_Right	22.02	/	/	20.20	/	/	/	Pass
DFT-s-OFDM 64 QAM	2310	Edge_1RB_Left	20.39	/	/	18.57	/	/	/	Pass
		Edge_1RB_Right	20.71	/	/	18.89	/	/	/	Pass
		Outer_Full	20.21	/	/	18.39	/	/	/	Pass
		Inner_Full	20.25	/	/	18.43	/	/	/	Pass
		Inner_1RB_Left	20.43	/	/	18.61	/	/	/	Pass
		Inner_1RB_Right	20.62	/	/	18.80	/	/	/	Pass
DFT-s-OFDM 256 QAM	2310	Edge_1RB_Left	17.54	/	/	15.72	/	/	/	Pass
		Edge_1RB_Right	17.64	/	/	15.82	/	/	/	Pass
		Outer_Full	18.11	/	/	16.29	/	/	/	Pass
		Inner_Full	18.05	/	/	16.23	/	/	/	Pass
		Inner_1RB_Left	17.49	/	/	15.67	/	/	/	Pass
		Inner_1RB_Right	17.55	/	/	15.73	/	/	/	Pass
CP-OFDM QPSK	2310	Edge_1RB_Left	19.56	/	/	17.74	/	/	/	Pass
		Edge_1RB_Right	19.82	/	/	18.00	/	/	/	Pass
		Outer_Full	19.71	/	/	17.89	/	/	/	Pass
		Inner_Full	21.16	/	/	19.34	/	/	/	Pass
		Inner_1RB_Left	21.16	/	/	19.34	/	/	/	Pass
		Inner_1RB_Right	21.29	/	/	19.47	/	/	/	Pass
CP-OFDM 16 QAM	2310	Edge_1RB_Left	19.43	/	/	17.61	/	/	/	Pass
		Edge_1RB_Right	19.72	/	/	17.90	/	/	/	Pass
		Outer_Full	19.69	/	/	17.87	/	/	/	Pass
		Inner_Full	20.75	/	/	18.93	/	/	/	Pass
		Inner_1RB_Left	20.65	/	/	18.83	/	/	/	Pass



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		Inner_1RB_Right	20.86	/	/	19.04	/	/	/	Pass
CP-OFDM 64 QAM	2310	Edge_1RB_Left	19.17	/	/	17.35	/	/	/	Pass
		Edge_1RB_Right	19.39	/	/	17.57	/	/	/	Pass
		Outer_Full	19.22	/	/	17.40	/	/	/	Pass
		Inner_Full	19.26	/	/	17.44	/	/	/	Pass
		Inner_1RB_Left	19.04	/	/	17.22	/	/	/	Pass
		Inner_1RB_Right	19.39	/	/	17.57	/	/	/	Pass
CP-OFDM 256 QAM	2310	Edge_1RB_Left	15.63	/	/	13.81	/	/	/	Pass
		Edge_1RB_Right	16.01	/	/	14.19	/	/	/	Pass
		Outer_Full	16.17	/	/	14.35	/	/	/	Pass
		Inner_Full	16.29	/	/	14.47	/	/	/	Pass
		Inner_1RB_Left	15.81	/	/	13.99	/	/	/	Pass
		Inner_1RB_Right	15.97	/	/	14.15	/	/	/	Pass
Note1: Antenna Gain: Ant5: -1.82dBi; 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	20.74	/	/	18.92	/	/	/	Pass
		Edge 1RB Right	19.97	/	/	18.15	/	/	/	Pass
		Outer Full	17.39	/	/	15.57	/	/	/	Pass
		Inner Full	20.75	/	/	18.93	/	/	/	Pass
		Inner 1RB Left	21.16	/	/	19.34	/	/	/	Pass
		Inner 1RB Right	20.28	/	/	18.46	/	/	/	Pass
DFT-s-OFDM QPSK	2310	Edge 1RB Left	20.43	/	/	18.61	/	/	/	Pass
		Edge 1RB Right	19.25	/	/	17.43	/	/	/	Pass
		Outer Full	17.07	/	/	15.25	/	/	/	Pass
		Inner Full	20.96	/	/	19.14	/	/	/	Pass
		Inner 1RB Left	21.27	/	/	19.45	/	/	/	Pass
		Inner 1RB Right	20.51	/	/	18.69	/	/	/	Pass
DFT-s-OFDM 16 QAM	2310	Edge 1RB Left	19.64	/	/	17.82	/	/	/	Pass
		Edge 1RB Right	18.72	/	/	16.90	/	/	/	Pass
		Outer Full	15.97	/	/	14.15	/	/	/	Pass
		Inner Full	19.88	/	/	18.06	/	/	/	Pass
		Inner 1RB Left	20.37	/	/	18.55	/	/	/	Pass
		Inner 1RB Right	19.59	/	/	17.77	/	/	/	Pass
DFT-s-OFDM 64 QAM	2310	Edge 1RB Left	19.13	/	/	17.31	/	/	/	Pass
		Edge 1RB Right	17.99	/	/	16.17	/	/	/	Pass
		Outer Full	15.36	/	/	13.54	/	/	/	Pass
		Inner Full	18.44	/	/	16.62	/	/	/	Pass
		Inner 1RB Left	19.11	/	/	17.29	/	/	/	Pass
		Inner 1RB Right	17.98	/	/	16.16	/	/	/	Pass
DFT-s-OFDM 256 QAM	2310	Edge 1RB Left	16.53	/	/	14.71	/	/	/	Pass
		Edge 1RB Right	15.55	/	/	13.73	/	/	/	Pass
		Outer Full	13.35	/	/	11.53	/	/	/	Pass
		Inner Full	16.11	/	/	14.29	/	/	/	Pass
		Inner 1RB Left	16.40	/	/	14.58	/	/	/	Pass

		Inner_1RB_Right	15.26	/	/	13.44	/	/	/	Pass
CP-OFDM QPSK	2310	Edge_1RB_Left	18.29	/	/	16.47	/	/	/	Pass
		Edge_1RB_Right	17.61	/	/	15.79	/	/	/	Pass
		Outer_Full	14.67	/	/	12.85	/	/	/	Pass
		Inner_Full	19.13	/	/	17.31	/	/	/	Pass
		Inner_1RB_Left	19.21	/	/	17.39	/	/	/	Pass
		Inner_1RB_Right	19.07	/	/	17.25	/	/	/	Pass
CP-OFDM 16 QAM	2310	Edge_1RB_Left	17.98	/	/	16.16	/	/	/	Pass
		Edge_1RB_Right	17.51	/	/	15.69	/	/	/	Pass
		Outer_Full	14.74	/	/	12.92	/	/	/	Pass
		Inner_Full	18.76	/	/	16.94	/	/	/	Pass
		Inner_1RB_Left	19.54	/	/	17.72	/	/	/	Pass
		Inner_1RB_Right	18.14	/	/	16.32	/	/	/	Pass
CP-OFDM 64 QAM	2310	Edge_1RB_Left	17.78	/	/	15.96	/	/	/	Pass
		Edge_1RB_Right	17.26	/	/	15.44	/	/	/	Pass
		Outer_Full	14.25	/	/	12.43	/	/	/	Pass
		Inner_Full	17.24	/	/	15.42	/	/	/	Pass
		Inner_1RB_Left	17.73	/	/	15.91	/	/	/	Pass
		Inner_1RB_Right	17.00	/	/	15.18	/	/	/	Pass
CP-OFDM 256 QAM	2310	Edge_1RB_Left	14.56	/	/	12.74	/	/	/	Pass
		Edge_1RB_Right	13.14	/	/	11.32	/	/	/	Pass
		Outer_Full	11.28	/	/	9.46	/	/	/	Pass
		Inner_Full	14.35	/	/	12.53	/	/	/	Pass
		Inner_1RB_Left	14.03	/	/	12.21	/	/	/	Pass
		Inner_1RB_Right	13.35	/	/	11.53	/	/	/	Pass
Note1: Antenna Gain: Ant5: -1.82dBi;										
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	-3.90	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-6.50	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	3.90	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	2.80	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-7.40	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-0.40	-0.0002	>=-2.5 & <=2.5	Pass
			50	NV	-3.80	-0.0016	>=-2.5 & <=2.5	Pass



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3. 99% & 26dB Bandwidth

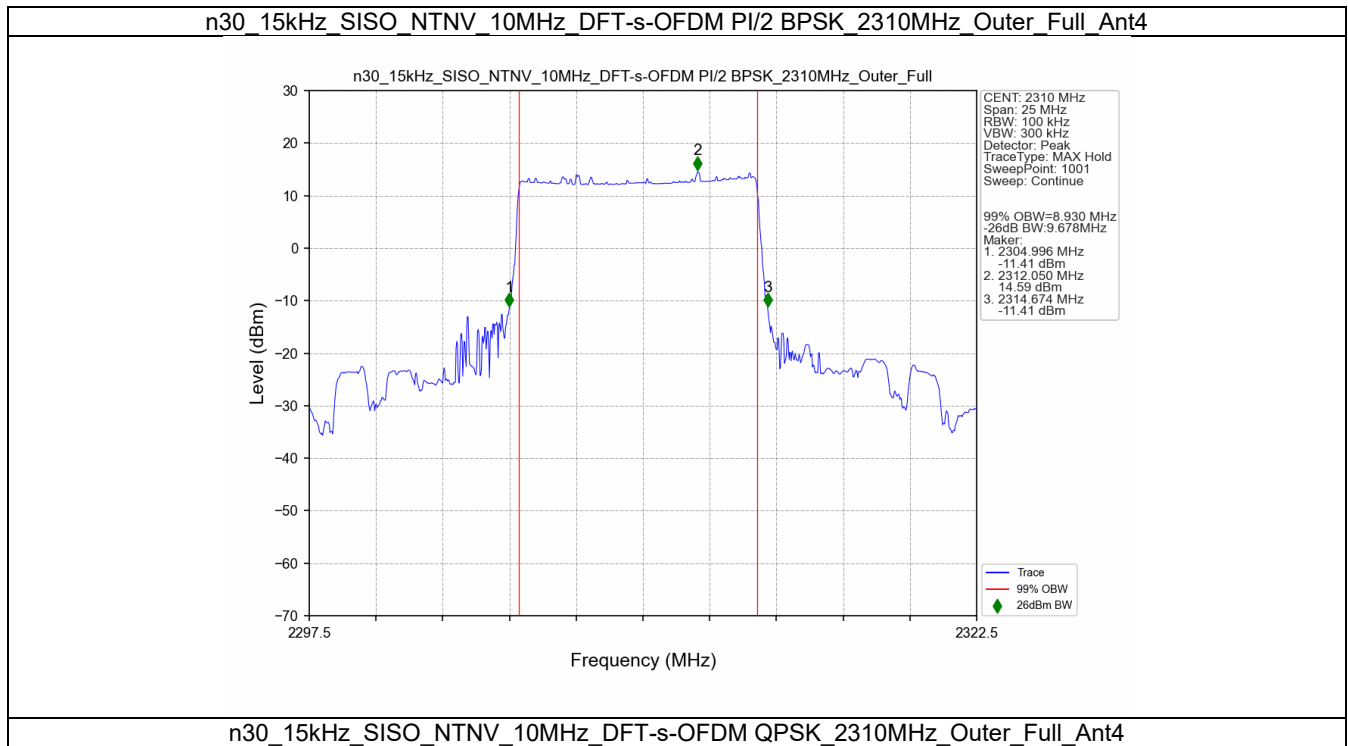
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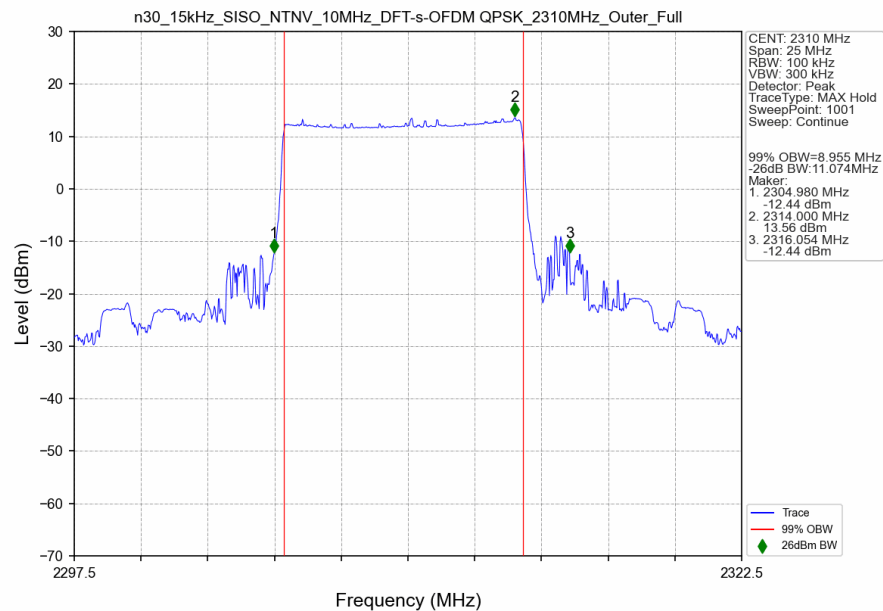
3.1.1 15_S_10M_NTNV

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	8.93	9.68	/	Pass
DFT-s-OFDM QPSK	2310	Outer_Full	8.96	11.07	/	Pass
DFT-s-OFDM 16 QAM	2310	Outer_Full	8.97	9.70	/	Pass
DFT-s-OFDM 64 QAM	2310	Outer_Full	8.97	11.63	/	Pass
DFT-s-OFDM 256 QAM	2310	Outer_Full	9.00	10.30	/	Pass
CP-OFDM QPSK	2310	Outer_Full	9.34	11.76	/	Pass
CP-OFDM 16 QAM	2310	Outer_Full	9.34	10.67	/	Pass
CP-OFDM 64 QAM	2310	Outer_Full	9.32	11.51	/	Pass
CP-OFDM 256 QAM	2310	Outer_Full	9.36	10.40	/	Pass

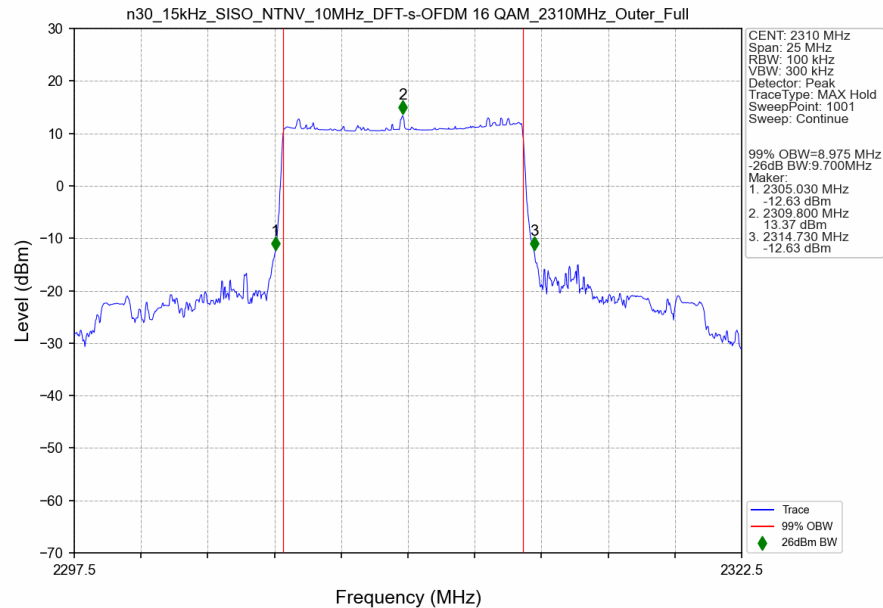
3.2 Test Graph

3.2.1 15_S_10M_NTNV

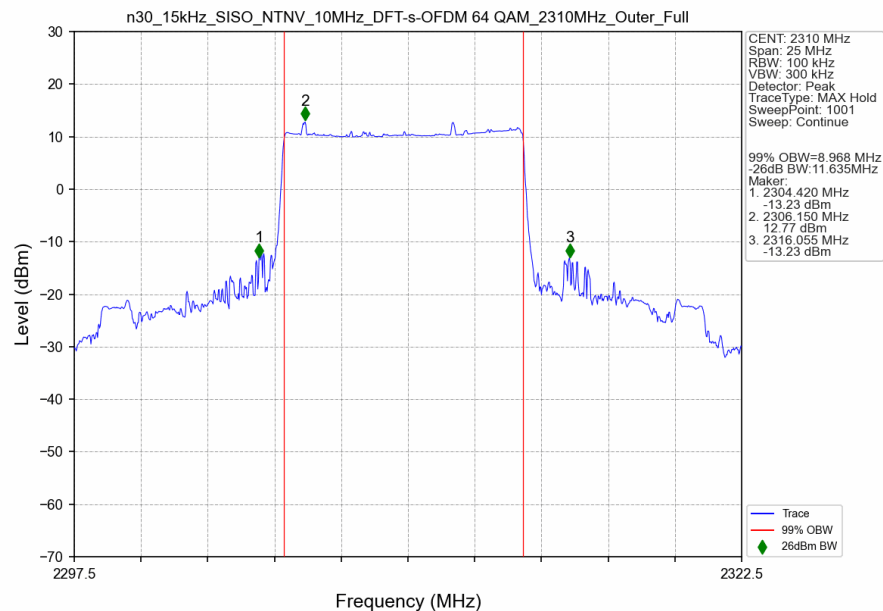




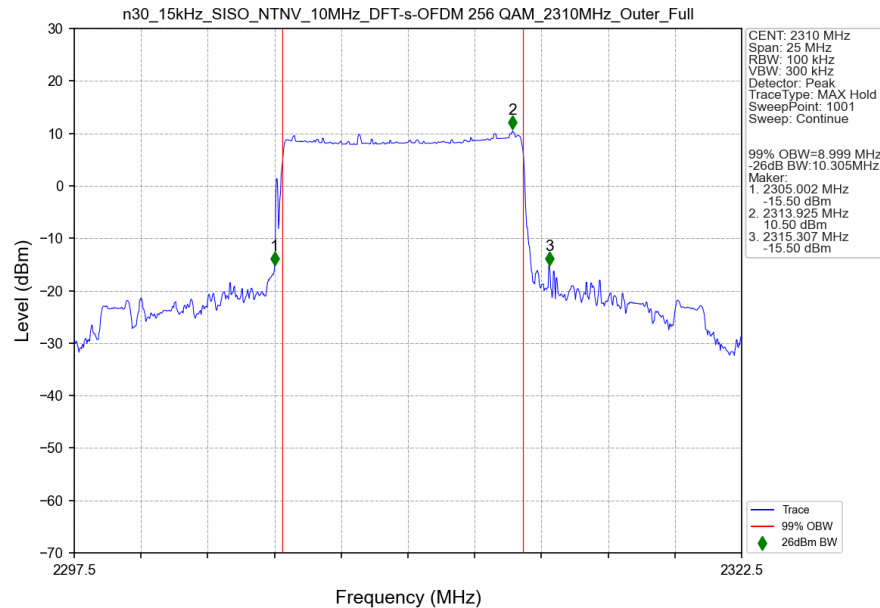
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_2310MHz_Outer_Full_Ant4



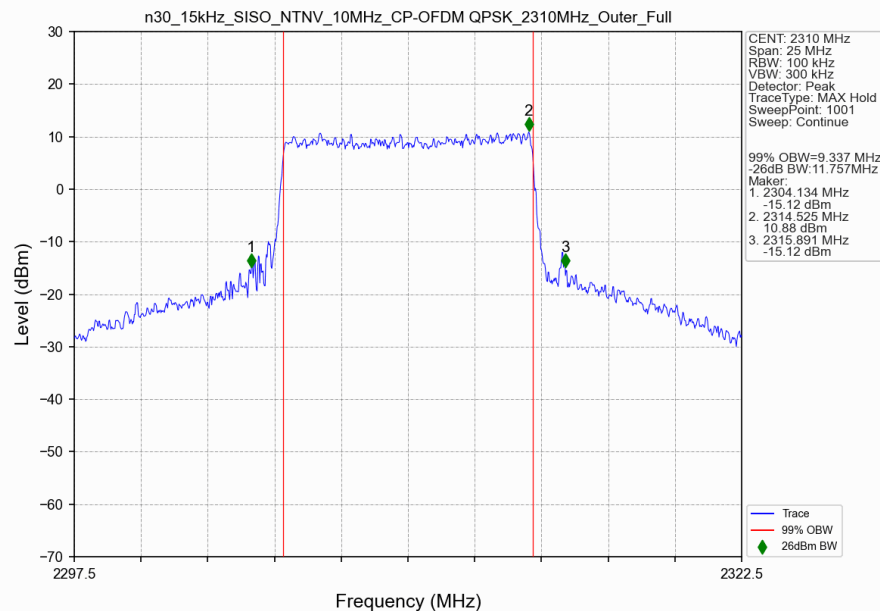
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_2310MHz_Outer_Full_Ant4



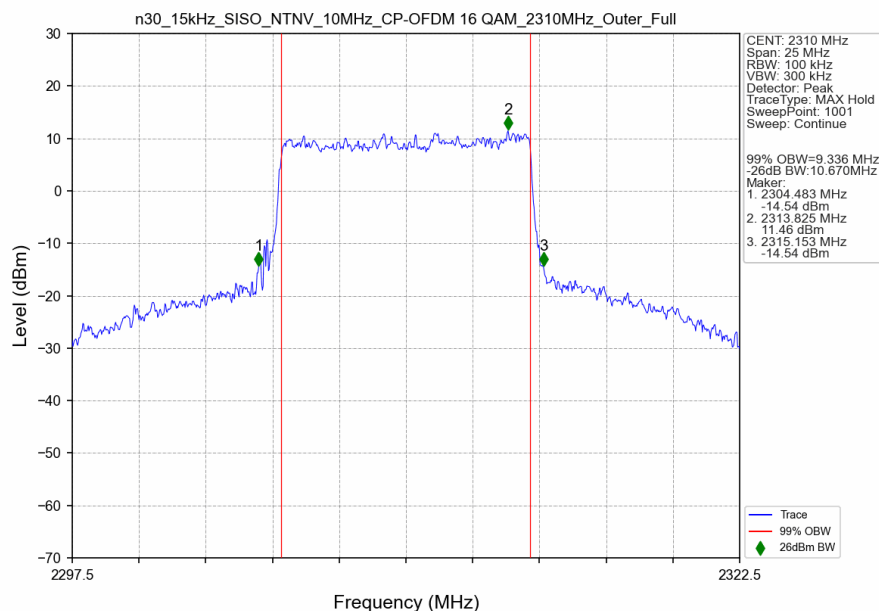
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM 2310MHz_Outer_Full_Ant4



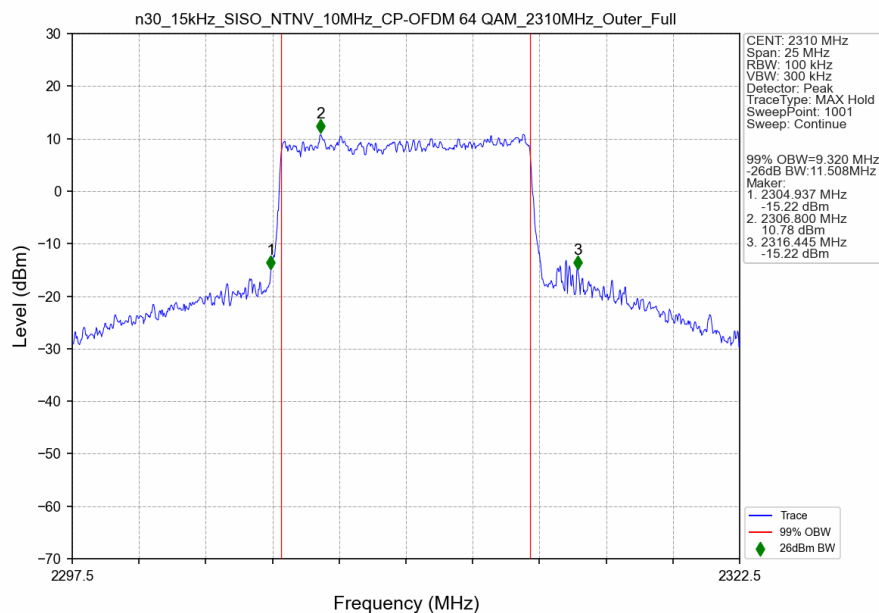
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK 2310MHz_Outer_Full_Ant4



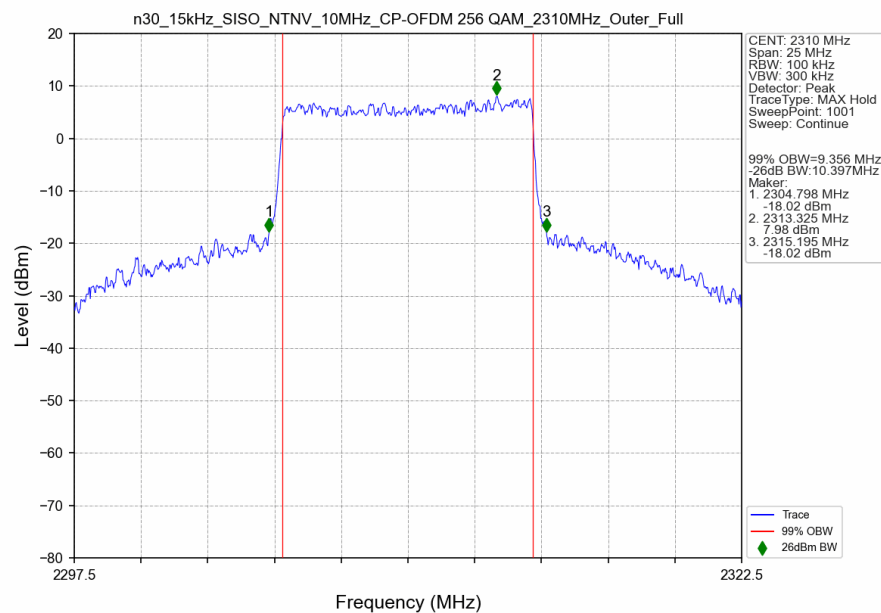
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_2310MHz_Outer_Full_Ant4



n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_2310MHz_Outer_Full_Ant4



n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM 2310MHz_Outer_Full_Ant4





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4. Peak-Average Ratio

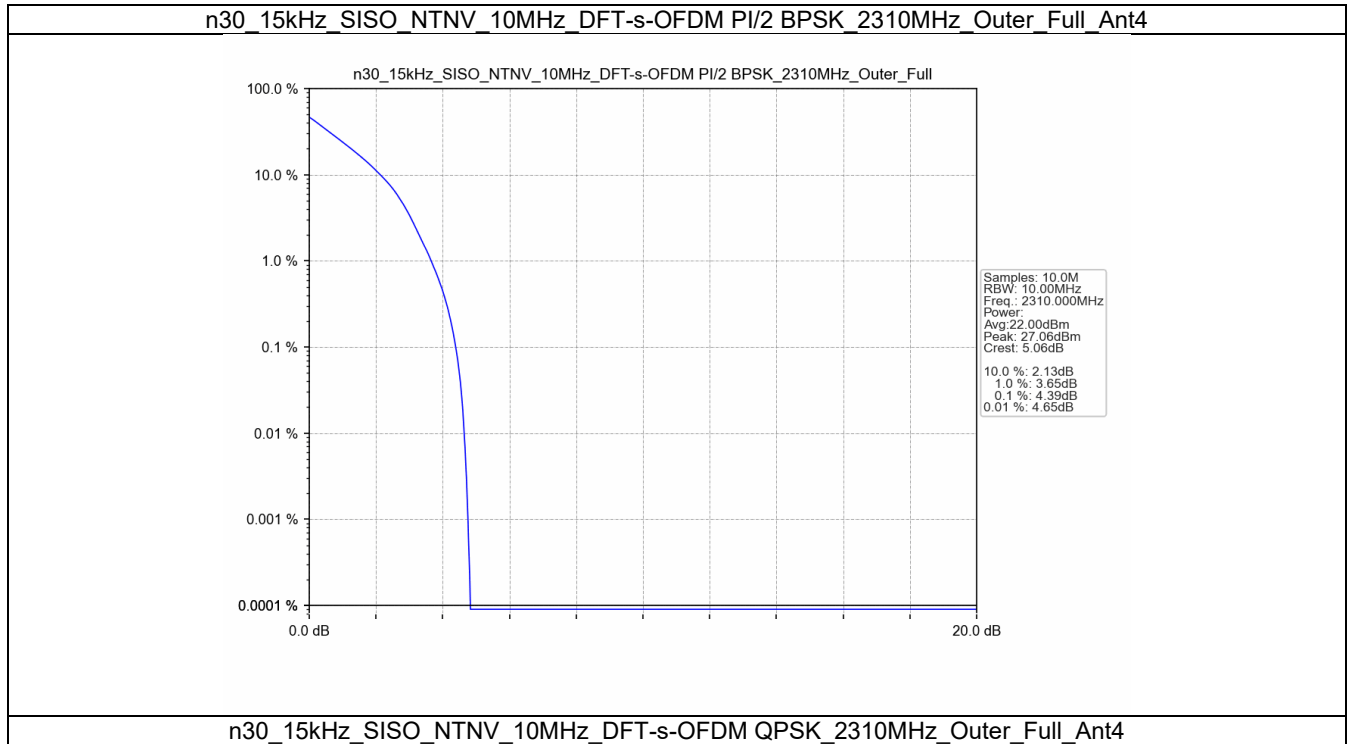
4.1 Test Result

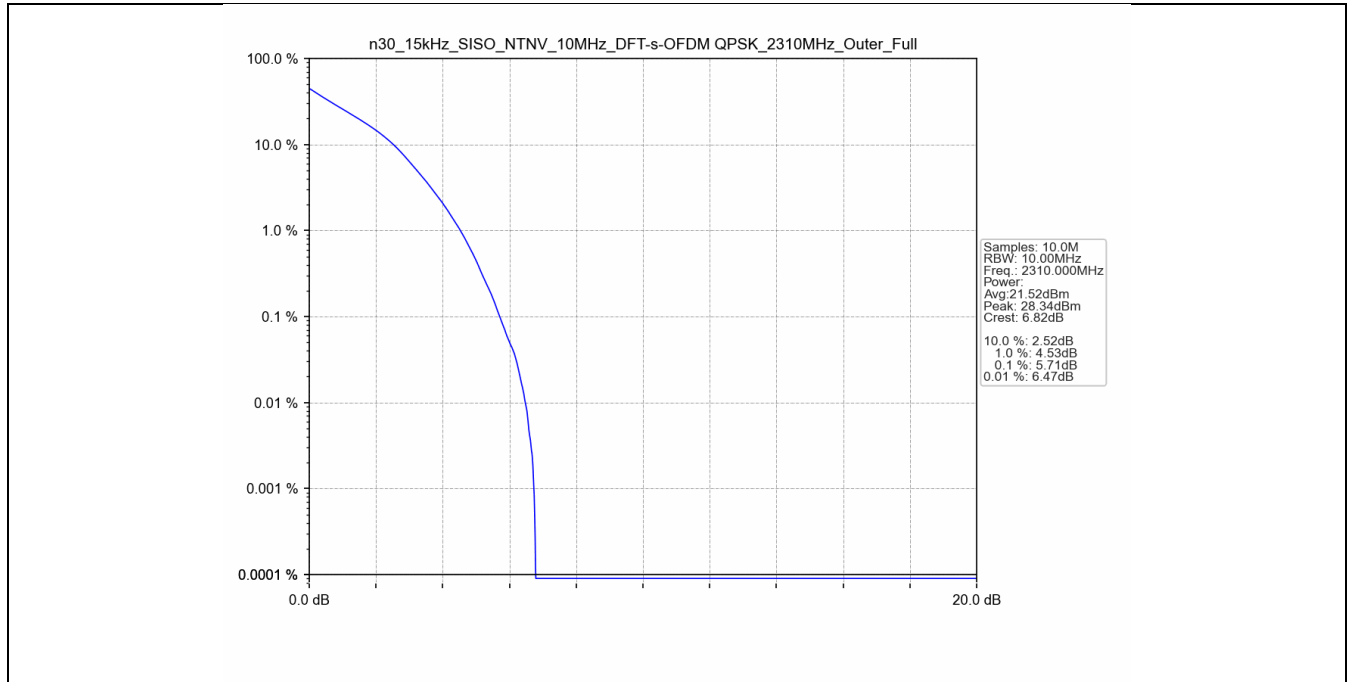
4.1.1 15_S_10M_NTNV

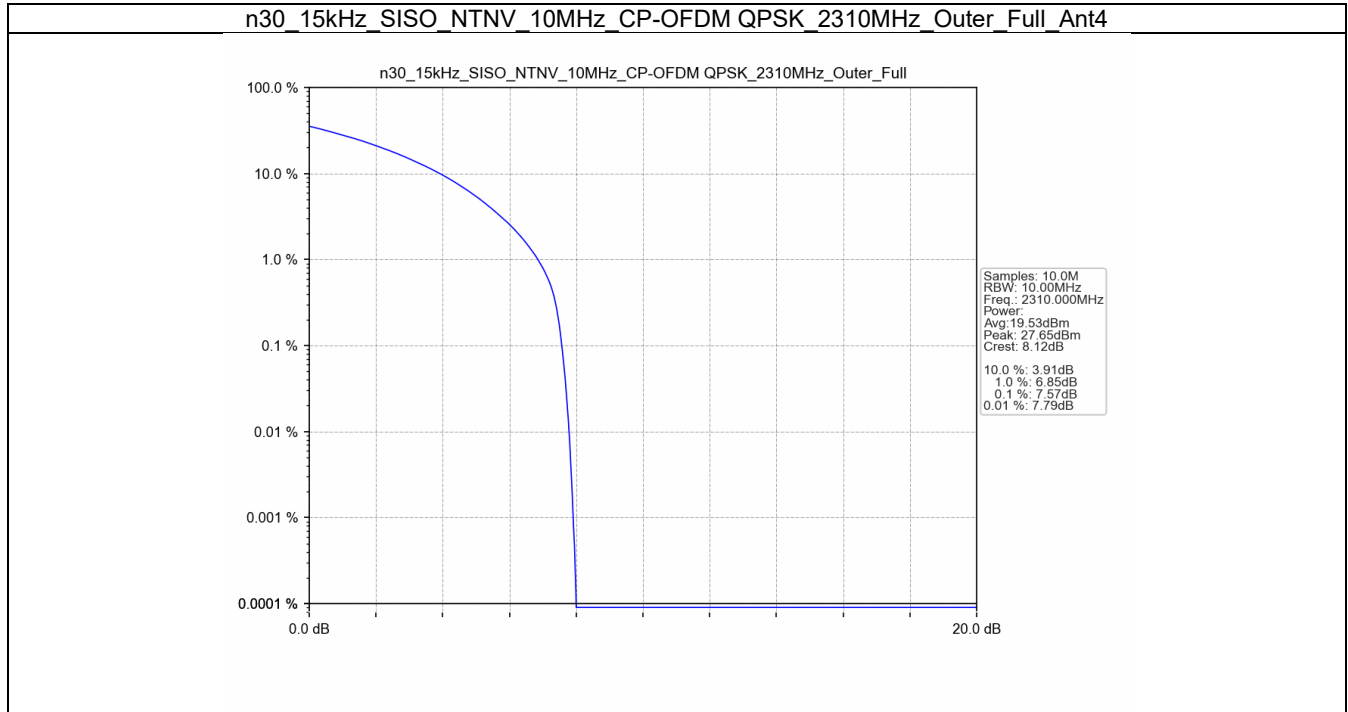
5G NR n30 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Outer_Full	4.39	/	/	<=13	Pass
DFT-s-OFDM QPSK	2310	Outer_Full	5.71	/	/	<=13	Pass
CP-OFDM QPSK	2310	Outer_Full	7.57	/	/	<=13	Pass

4.2 Test Graph

4.2.1 15_S_10M_NTNV









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5. Spurious Emission

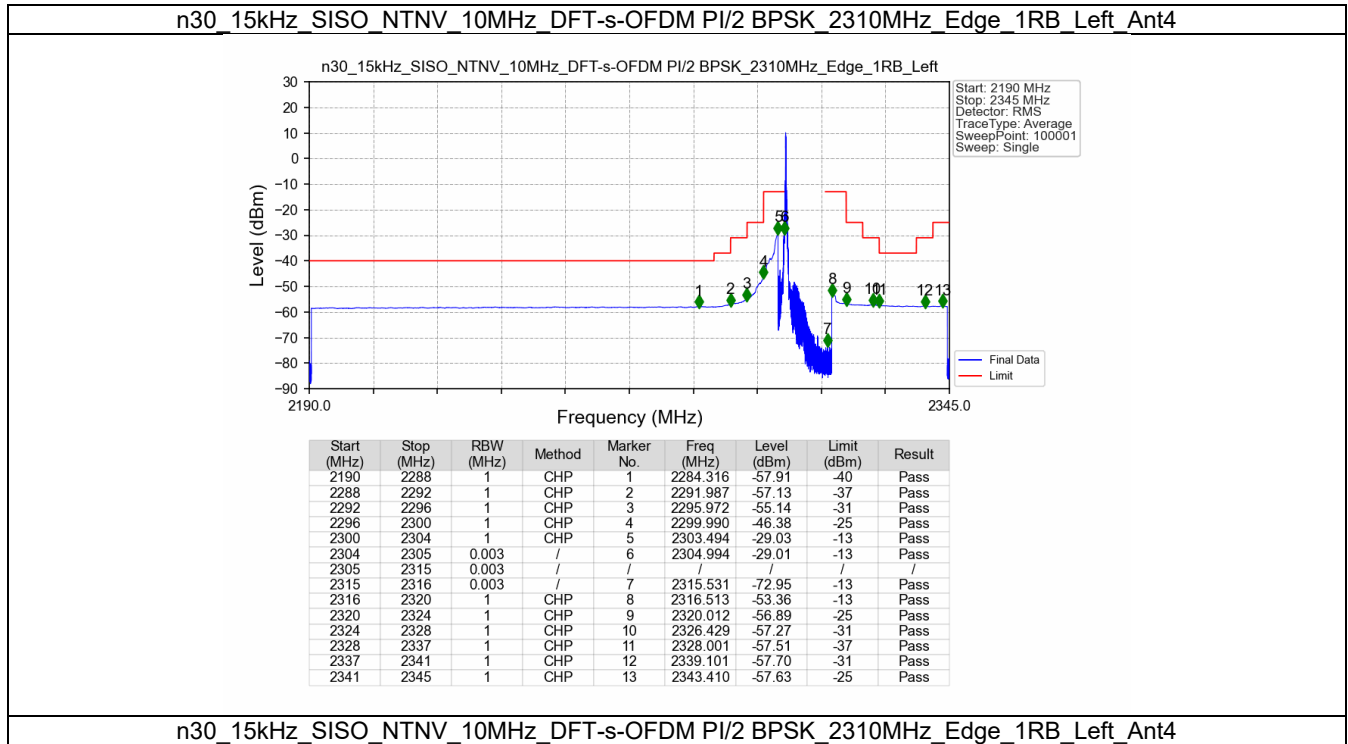
5.1 Test Result

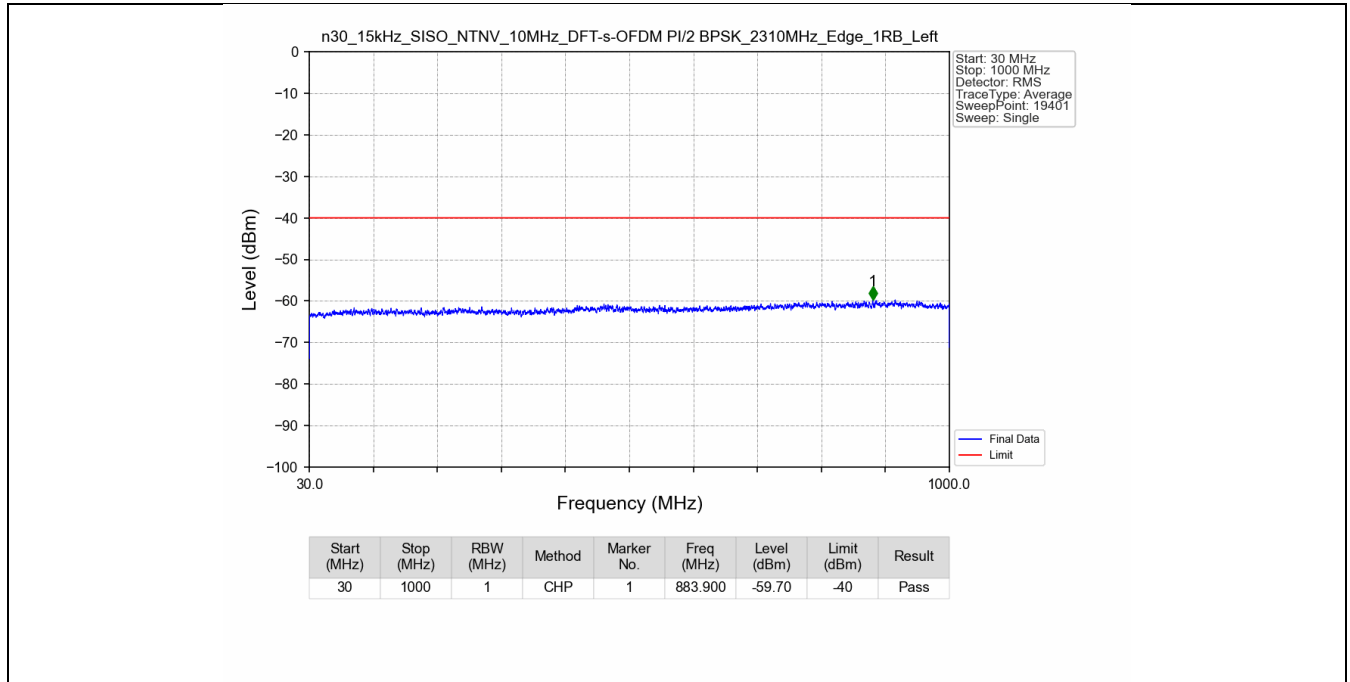
5.1.1 15_S_10M_NTNV

5G NR n30 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant4	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

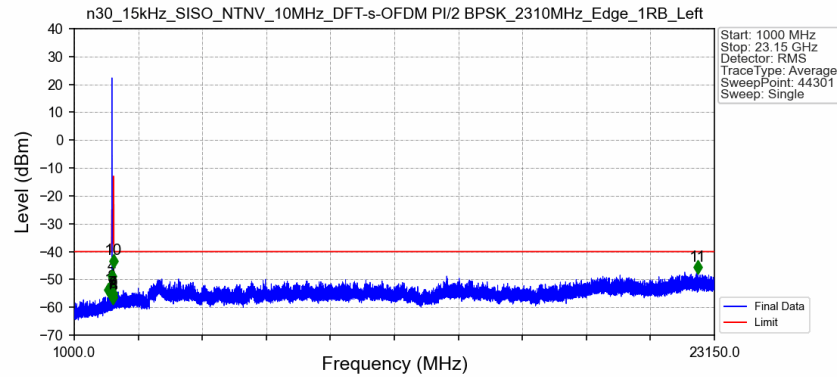
5.2 Test Graph

5.2.1 15_S_10M_NTNV



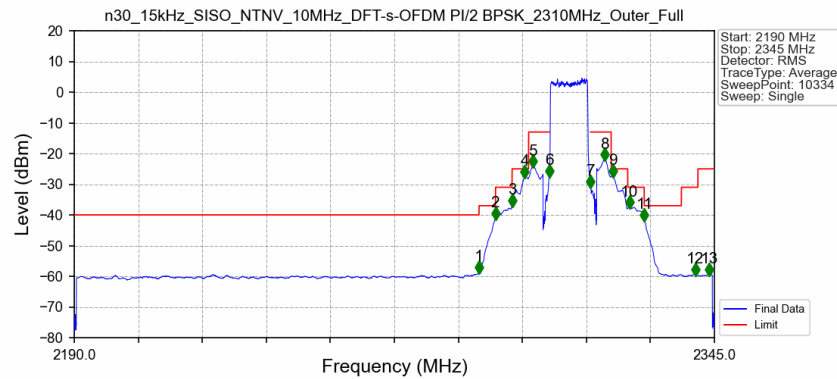


n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Edge_1RB_Left_Ant4



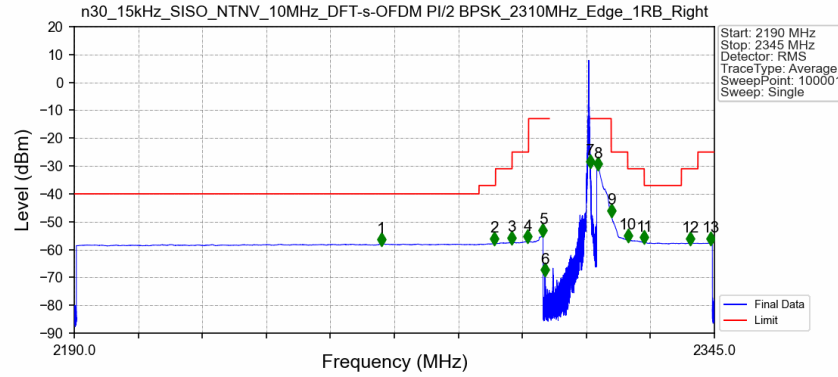
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2191.000	-55.36	-40	Pass
2288	2292	1	/	2	2290.500	-57.17	-37	Pass
2292	2296	1	/	3	2292.500	-54.44	-31	Pass
2296	2300	1	/	4	2299.500	-50.67	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2323.000	-58.13	-25	Pass
2324	2328	1	/	6	2327.000	-58.16	-31	Pass
2328	2337	1	/	7	2328.500	-56.70	-37	Pass
2337	2341	1	/	8	2339.500	-57.78	-31	Pass
2341	2345	1	/	9	2343.000	-56.89	-25	Pass
2345	2365	1	/	10	2351.500	-45.09	-13	Pass
2365	23150	1	/	11	22576.500	-47.37	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Outer_Full_Ant4



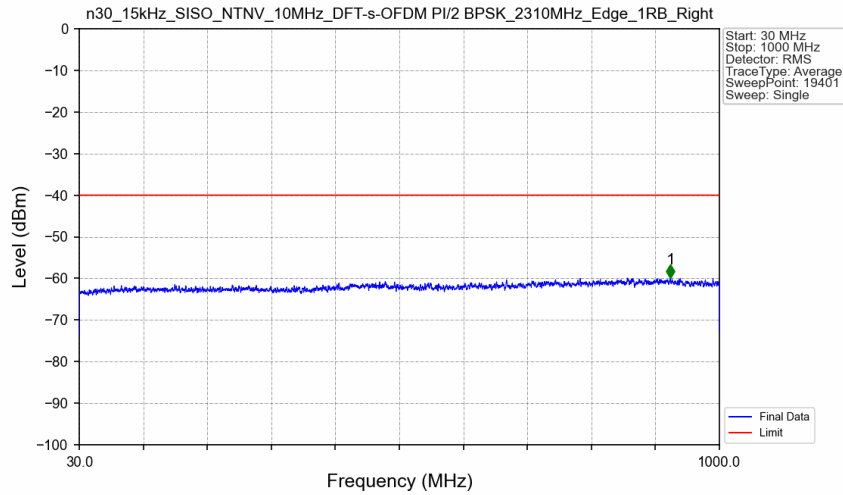
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.998	-58.58	-40	Pass
2288	2292	1	CHP	2	2291.988	-40.99	-37	Pass
2292	2296	1	CHP	3	2295.993	-36.83	-31	Pass
2296	2300	1	CHP	4	2299.099	-27.48	-25	Pass
2300	2304	1	CHP	5	2301.004	-24.15	-13	Pass
2304	2305	0.09678	CHP	6	2304.994	-27.19	-13	Pass
2305	2315	0.09678	CHP	/	/	/	/	/
2315	2316	0.09678	CHP	7	2315.014	-30.77	-13	Pass
2316	2320	1	CHP	8	2318.434	-21.91	-13	Pass
2320	2324	1	CHP	9	2320.414	-27.25	-25	Pass
2324	2328	1	CHP	10	2324.434	-37.50	-31	Pass
2328	2337	1	CHP	11	2328.004	-41.49	-37	Pass
2337	2341	1	CHP	12	2340.350	-59.29	-31	Pass
2341	2345	1	CHP	13	2343.785	-59.41	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Edge_1RB_Right_Ant4



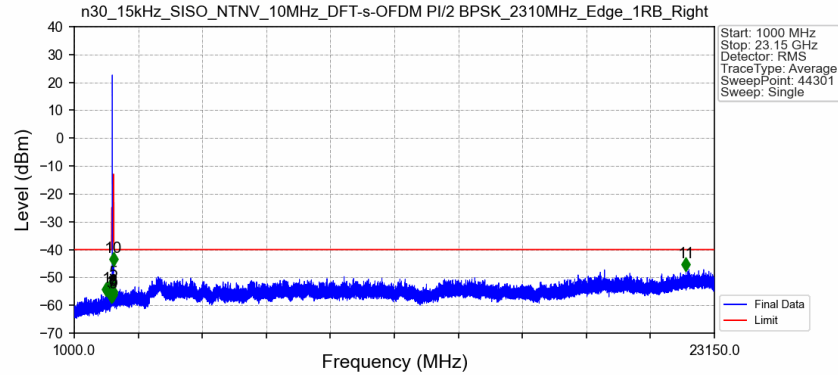
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2264.350	-57.96	-40	Pass
2288	2292	1	CHP	2	2291.758	-57.80	-37	Pass
2292	2296	1	CHP	3	2295.865	-57.52	-31	Pass
2296	2300	1	CHP	4	2299.791	-57.10	-25	Pass
2300	2304	1	CHP	5	2303.499	-54.82	-13	Pass
2304	2305	0.003	/	6	2304.001	-69.03	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.004	-29.98	-13	Pass
2316	2320	1	CHP	8	2316.737	-30.96	-13	Pass
2320	2324	1	CHP	9	2320.000	-47.68	-25	Pass
2324	2328	1	CHP	10	2324.042	-56.65	-31	Pass
2328	2337	1	CHP	11	2328.001	-57.38	-37	Pass
2337	2341	1	CHP	12	2339.211	-57.66	-31	Pass
2341	2345	1	CHP	13	2344.068	-57.66	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Edge_1RB_Right_Ant4



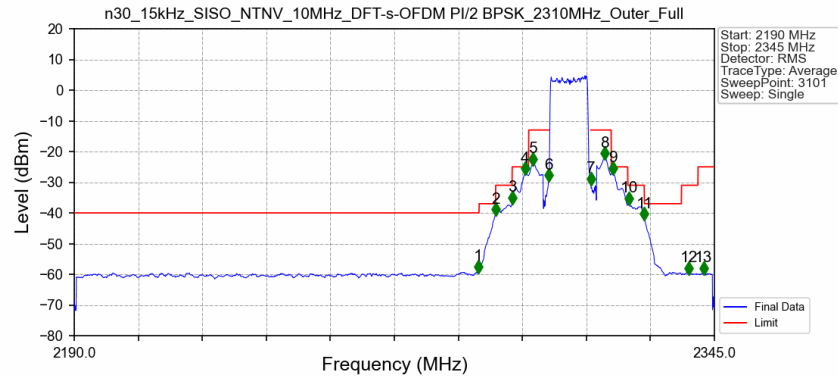
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	925.600	-59.88	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK 2310MHz_Edge_1RB_Right_Ant4



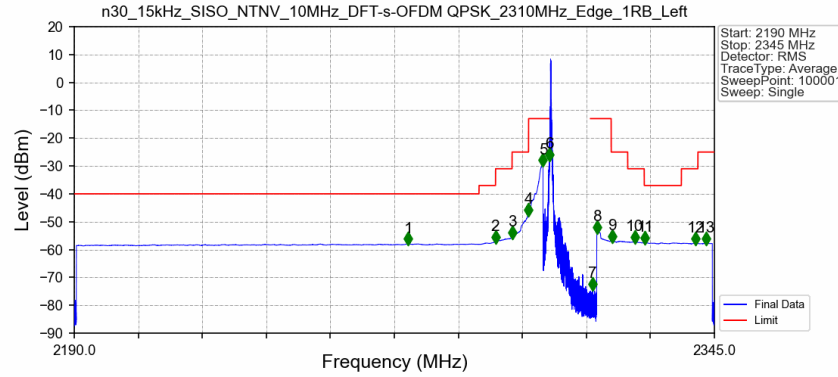
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2107.500	-56.00	-40	Pass
2288	2292	1	/	2	2290.000	-57.37	-37	Pass
2292	2296	1	/	3	2296.000	-58.31	-31	Pass
2296	2300	1	/	4	2298.000	-58.07	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2321.000	-53.71	-25	Pass
2324	2328	1	/	6	2327.500	-56.68	-31	Pass
2328	2337	1	/	7	2328.500	-57.46	-37	Pass
2337	2341	1	/	8	2338.500	-56.91	-31	Pass
2341	2345	1	/	9	2345.000	-57.89	-25	Pass
2345	2365	1	/	10	2352.500	-45.01	-13	Pass
2365	23150	1	/	11	22168.000	-47.08	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK 2310MHz_Outer_Full_Ant4



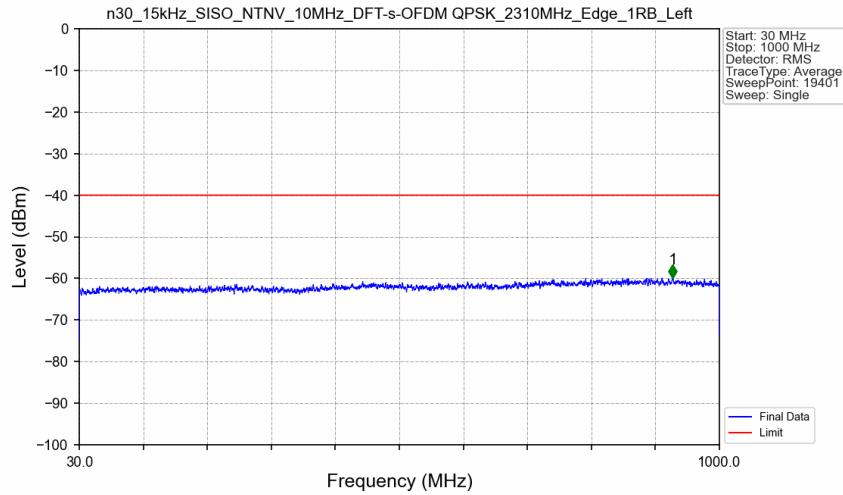
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.800	-59.09	-40	Pass
2288	2292	1	CHP	2	2292.000	-40.44	-37	Pass
2292	2296	1	CHP	3	2296.000	-36.67	-31	Pass
2296	2300	1	CHP	4	2299.200	-27.08	-25	Pass
2300	2304	1	CHP	5	2301.000	-24.01	-13	Pass
2304	2305	0.11074	CHP	6	2304.950	-29.30	-13	Pass
2305	2315	0.11074	CHP	/	/	/	/	/
2315	2316	0.11074	CHP	7	2315.050	-30.43	-13	Pass
2316	2320	1	CHP	8	2318.350	-22.13	-13	Pass
2320	2324	1	CHP	9	2320.450	-26.99	-25	Pass
2324	2328	1	CHP	10	2324.350	-36.93	-31	Pass
2328	2337	1	CHP	11	2328.050	-41.92	-37	Pass
2337	2341	1	CHP	12	2338.750	-59.51	-31	Pass
2341	2345	1	CHP	13	2342.350	-59.66	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant4



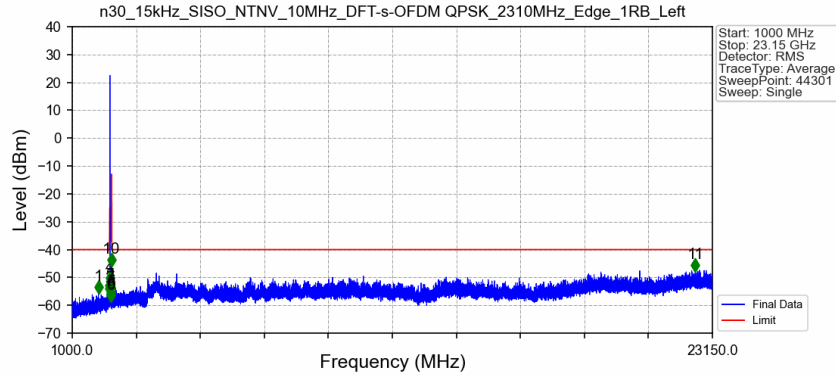
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2270.882	-57.92	-40	Pass
2288	2292	1	CHP	2	2291.973	-57.15	-37	Pass
2292	2296	1	CHP	3	2296.000	-55.62	-31	Pass
2296	2300	1	CHP	4	2299.991	-47.40	-25	Pass
2300	2304	1	CHP	5	2303.497	-29.62	-13	Pass
2304	2305	0.003	/	6	2304.994	-27.54	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.547	-73.99	-13	Pass
2316	2320	1	CHP	8	2316.528	-53.66	-13	Pass
2320	2324	1	CHP	9	2320.298	-56.96	-25	Pass
2324	2328	1	CHP	10	2325.682	-57.23	-31	Pass
2328	2337	1	CHP	11	2328.212	-57.55	-37	Pass
2337	2341	1	CHP	12	2340.508	-57.69	-31	Pass
2341	2345	1	CHP	13	2343.073	-57.69	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant4



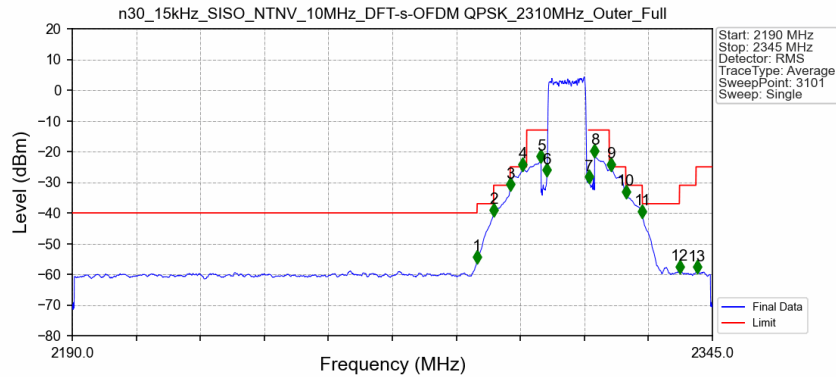
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	929.400	-59.87	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant4



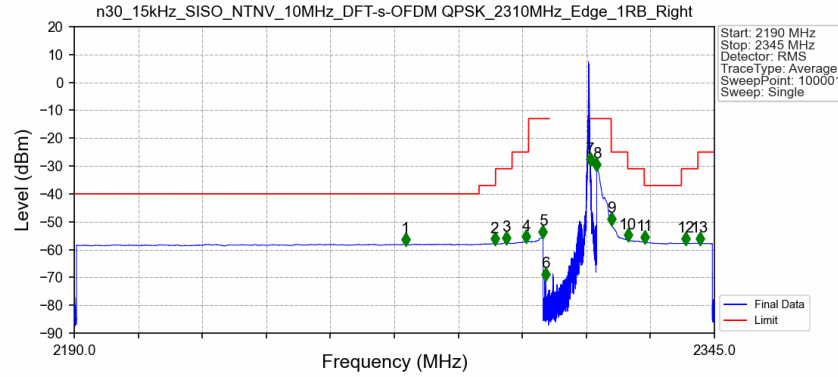
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	1906.000	-55.19	-40	Pass
2288	2292	1	/	2	2291.000	-55.63	-37	Pass
2292	2296	1	/	3	2296.000	-54.53	-31	Pass
2296	2300	1	/	4	2299.500	-51.92	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2323.000	-57.06	-25	Pass
2324	2328	1	/	6	2325.000	-57.64	-31	Pass
2328	2337	1	/	7	2332.000	-55.52	-37	Pass
2337	2341	1	/	8	2338.000	-57.86	-31	Pass
2341	2345	1	/	9	2344.500	-58.22	-25	Pass
2345	2365	1	/	10	2354.000	-45.42	-13	Pass
2365	23150	1	/	11	22556.000	-47.32	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Outer_Full_Ant4



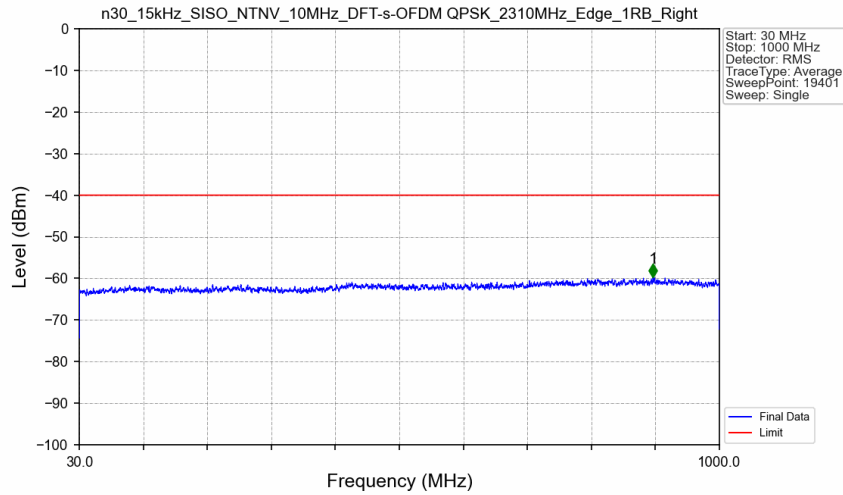
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-55.84	-40	Pass
2288	2292	1	CHP	2	2292.000	-40.53	-37	Pass
2292	2296	1	CHP	3	2296.000	-32.26	-31	Pass
2296	2300	1	CHP	4	2299.050	-25.78	-25	Pass
2300	2304	1	CHP	5	2303.500	-23.12	-13	Pass
2304	2305	0.11074	CHP	6	2304.950	-27.61	-13	Pass
2305	2315	0.11074	CHP	/	/	/	/	/
2315	2316	0.11074	CHP	7	2315.050	-29.82	-13	Pass
2316	2320	1	CHP	8	2316.500	-21.34	-13	Pass
2320	2324	1	CHP	9	2320.450	-25.83	-25	Pass
2324	2328	1	CHP	10	2324.050	-34.72	-31	Pass
2328	2337	1	CHP	11	2328.050	-41.14	-37	Pass
2337	2341	1	CHP	12	2337.050	-59.11	-31	Pass
2341	2345	1	CHP	13	2341.250	-59.22	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Edge_1RB_Right_Ant4



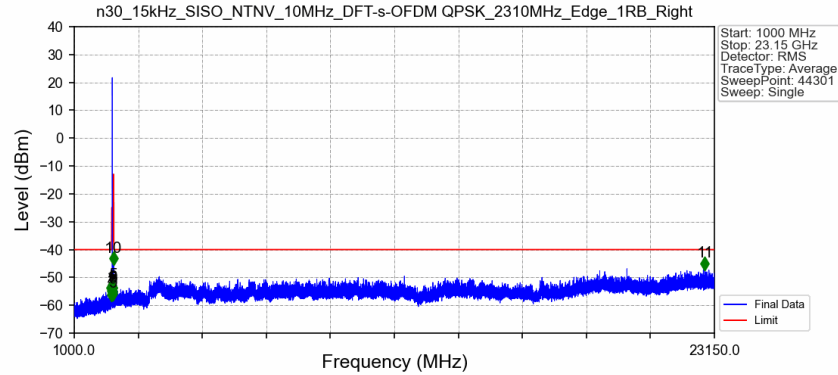
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2270.248	-57.96	-40	Pass
2288	2292	1	CHP	2	2291.776	-57.86	-37	Pass
2292	2296	1	CHP	3	2294.540	-57.48	-31	Pass
2296	2300	1	CHP	4	2299.470	-57.11	-25	Pass
2300	2304	1	CHP	5	2303.499	-55.29	-13	Pass
2304	2305	0.003	/	6	2304.113	-70.61	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.006	-29.38	-13	Pass
2316	2320	1	CHP	8	2316.500	-31.22	-13	Pass
2320	2324	1	CHP	9	2320.000	-50.78	-25	Pass
2324	2328	1	CHP	10	2324.087	-56.54	-31	Pass
2328	2337	1	CHP	11	2328.091	-57.25	-37	Pass
2337	2341	1	CHP	12	2338.048	-57.68	-31	Pass
2341	2345	1	CHP	13	2341.435	-57.74	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Edge_1RB_Right_Ant4



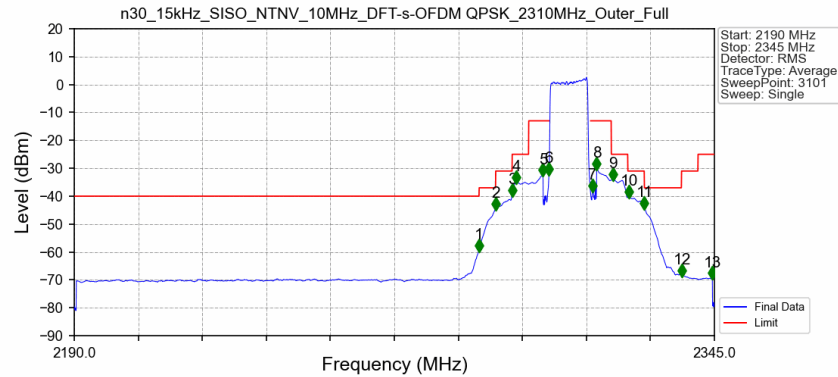
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	899.200	-59.69	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Edge_1RB_Right_Ant4



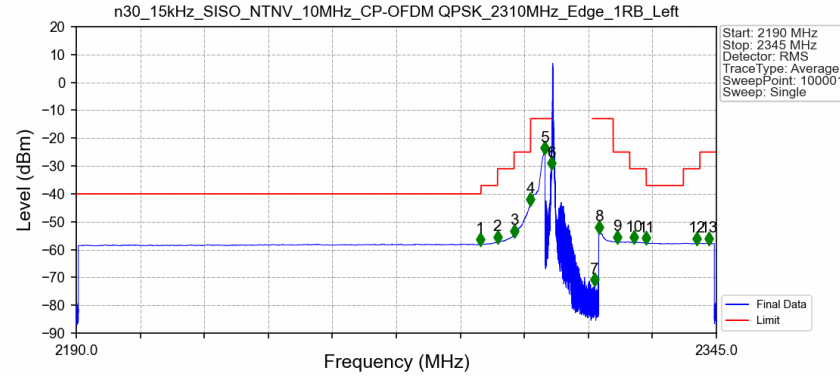
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2268.500	-55.35	-40	Pass
2288	2292	1	/	2	2290.500	-56.66	-37	Pass
2292	2296	1	/	3	2293.500	-57.95	-31	Pass
2296	2300	1	/	4	2298.500	-56.68	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2320.500	-54.59	-25	Pass
2324	2328	1	/	6	2327.500	-55.56	-31	Pass
2328	2337	1	/	7	2329.000	-56.74	-37	Pass
2337	2341	1	/	8	2338.000	-55.34	-31	Pass
2341	2345	1	/	9	2341.500	-57.63	-25	Pass
2345	2365	1	/	10	2354.500	-44.96	-13	Pass
2365	23150	1	/	11	22815.000	-46.76	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Outer_Full_Ant4



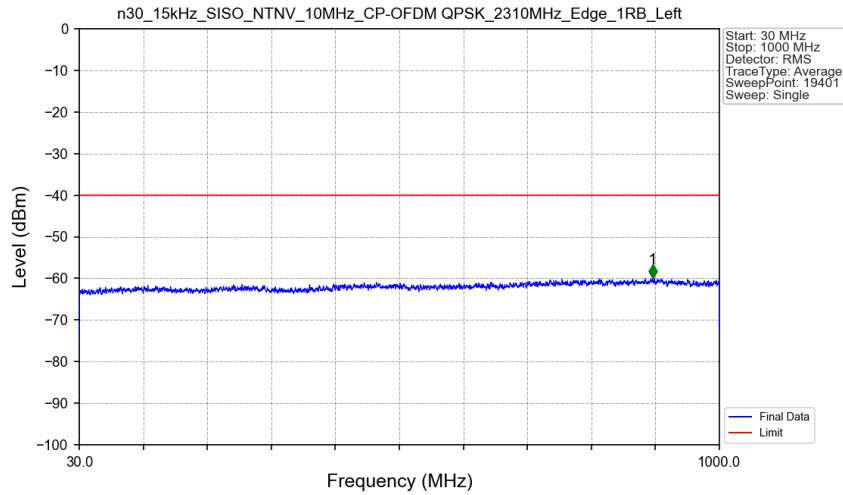
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-59.37	-40	Pass
2288	2292	1	CHP	2	2292.000	-44.41	-37	Pass
2292	2296	1	CHP	3	2296.000	-39.47	-31	Pass
2296	2300	1	CHP	4	2297.050	-34.90	-25	Pass
2300	2304	1	CHP	5	2303.500	-32.36	-13	Pass
2304	2305	0.11074	CHP	6	2304.950	-32.02	-13	Pass
2305	2315	0.11074	CHP	/	/	/	/	/
2315	2316	0.11074	CHP	7	2315.550	-38.01	-13	Pass
2316	2320	1	CHP	8	2316.500	-30.07	-13	Pass
2320	2324	1	CHP	9	2320.450	-33.91	-25	Pass
2324	2328	1	CHP	10	2324.300	-40.18	-31	Pass
2328	2337	1	CHP	11	2328.050	-44.11	-37	Pass
2337	2341	1	CHP	12	2337.100	-68.40	-31	Pass
2341	2345	1	CHP	13	2344.500	-69.30	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant4



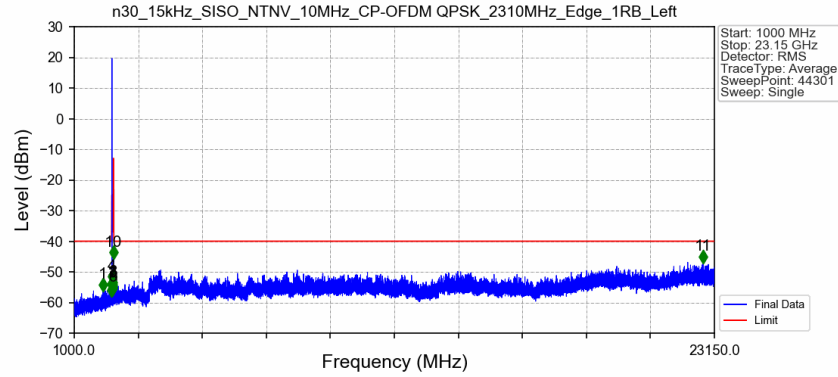
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.834	-58.02	-40	Pass
2288	2292	1	CHP	2	2291.979	-57.28	-37	Pass
2292	2296	1	CHP	3	2296.000	-54.97	-31	Pass
2296	2300	1	CHP	4	2299.988	-43.63	-25	Pass
2300	2304	1	CHP	5	2303.415	-25.29	-13	Pass
2304	2305	0.003	/	6	2304.993	-30.70	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.476	-72.59	-13	Pass
2316	2320	1	CHP	8	2316.823	-53.68	-13	Pass
2320	2324	1	CHP	9	2320.978	-57.20	-25	Pass
2324	2328	1	CHP	10	2325.086	-57.33	-31	Pass
2328	2337	1	CHP	11	2328.031	-57.65	-37	Pass
2337	2341	1	CHP	12	2340.313	-57.73	-31	Pass
2341	2345	1	CHP	13	2343.169	-57.73	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant4



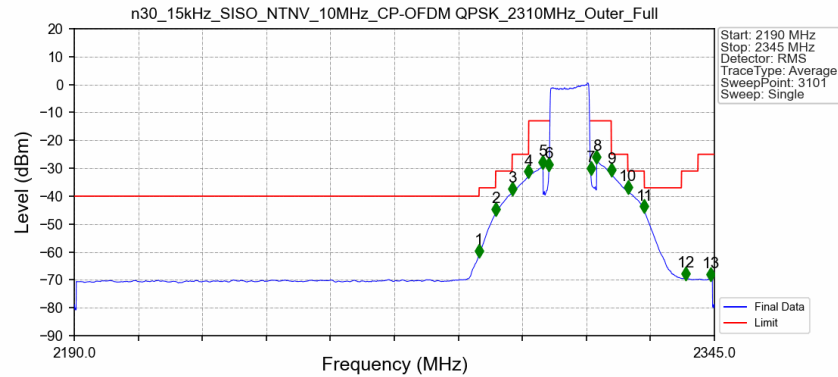
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	898.900	-59.87	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Edge_1RB_Left_Ant4



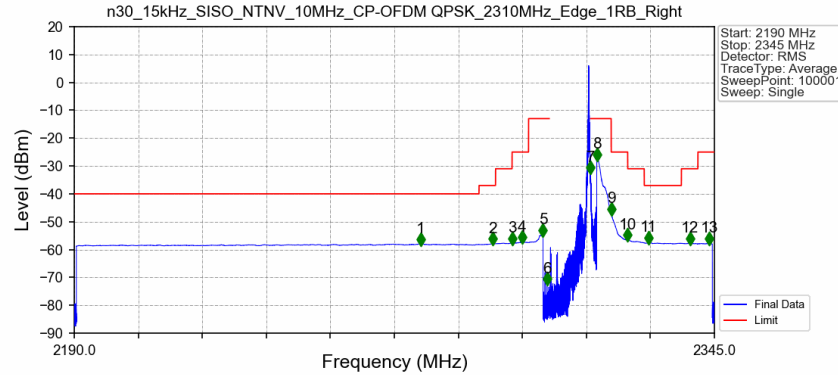
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	1995.000	-55.81	-40	Pass
2288	2292	1	/	2	2292.000	-57.43	-37	Pass
2292	2296	1	/	3	2296.000	-55.56	-31	Pass
2296	2300	1	/	4	2299.000	-53.00	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2320.500	-57.36	-25	Pass
2324	2328	1	/	6	2325.500	-56.78	-31	Pass
2328	2337	1	/	7	2329.500	-55.75	-37	Pass
2337	2341	1	/	8	2339.000	-55.05	-31	Pass
2341	2345	1	/	9	2343.000	-56.59	-25	Pass
2345	2365	1	/	10	2352.500	-45.23	-13	Pass
2365	23150	1	/	11	22757.000	-46.54	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Outer_Full_Ant4



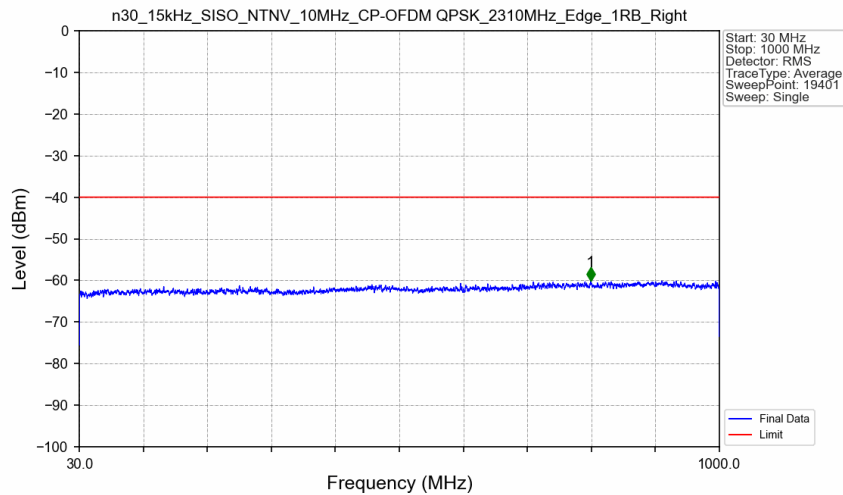
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-61.27	-40	Pass
2288	2292	1	CHP	2	2292.000	-46.32	-37	Pass
2292	2296	1	CHP	3	2296.000	-38.99	-31	Pass
2296	2300	1	CHP	4	2300.000	-32.88	-25	Pass
2300	2304	1	CHP	5	2303.350	-29.51	-13	Pass
2304	2305	0.11757	CHP	6	2304.950	-30.33	-13	Pass
2305	2315	0.11757	CHP	/	/	/	/	/
2315	2316	0.11757	CHP	7	2315.050	-31.77	-13	Pass
2316	2320	1	CHP	8	2316.500	-27.66	-13	Pass
2320	2324	1	CHP	9	2320.050	-32.31	-25	Pass
2324	2328	1	CHP	10	2324.050	-38.38	-31	Pass
2328	2337	1	CHP	11	2328.050	-45.39	-37	Pass
2337	2341	1	CHP	12	2338.100	-69.46	-31	Pass
2341	2345	1	CHP	13	2344.150	-69.62	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Edge_1RB_Right_Ant4



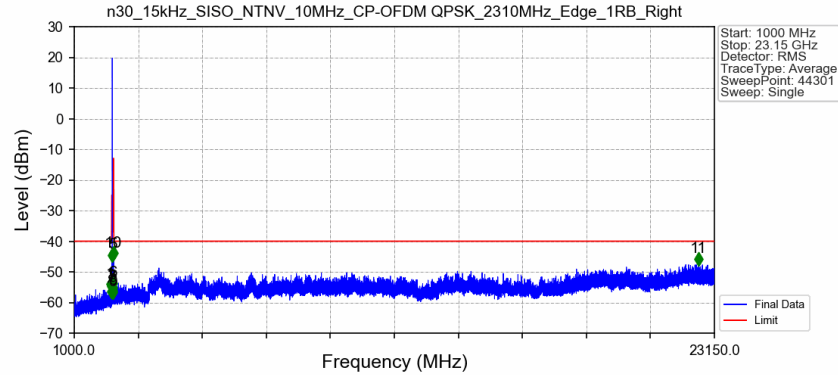
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2273.841	-58.02	-40	Pass
2288	2292	1	CHP	2	2291.399	-57.90	-37	Pass
2292	2296	1	CHP	3	2295.991	-57.66	-31	Pass
2296	2300	1	CHP	4	2298.452	-57.34	-25	Pass
2300	2304	1	CHP	5	2303.493	-54.79	-13	Pass
2304	2305	0.003	/	6	2304.460	-72.32	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.011	-32.36	-13	Pass
2316	2320	1	CHP	8	2316.545	-27.59	-13	Pass
2320	2324	1	CHP	9	2320.000	-47.07	-25	Pass
2324	2328	1	CHP	10	2324.011	-56.56	-31	Pass
2328	2337	1	CHP	11	2329.057	-57.56	-37	Pass
2337	2341	1	CHP	12	2339.054	-57.74	-31	Pass
2341	2345	1	CHP	13	2343.802	-57.81	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Edge_1RB_Right_Ant4



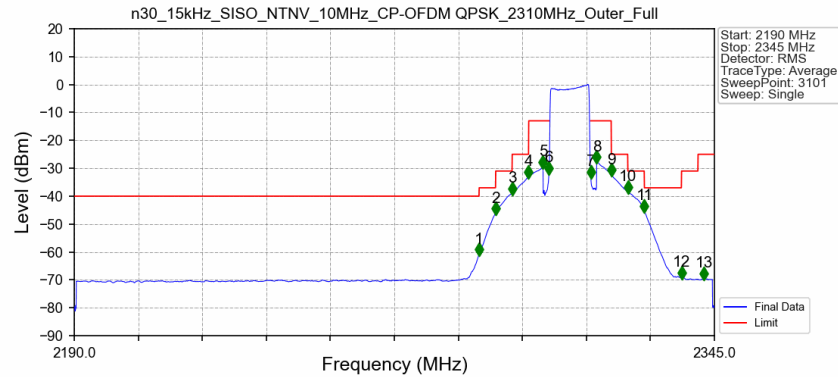
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	805.000	-60.05	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2310MHz_Edge_1RB_Right_Ant4



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2245.000	-55.43	-40	Pass
2288	2292	1	/	2	2289.500	-58.02	-37	Pass
2292	2296	1	/	3	2294.000	-56.28	-31	Pass
2296	2300	1	/	4	2299.500	-57.88	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2320.500	-46.04	-25	Pass
2324	2328	1	/	6	2325.500	-55.22	-31	Pass
2328	2337	1	/	7	2334.000	-56.75	-37	Pass
2337	2341	1	/	8	2338.000	-57.72	-31	Pass
2341	2345	1	/	9	2342.500	-58.13	-25	Pass
2345	2365	1	/	10	2351.500	-45.50	-13	Pass
2365	23150	1	/	11	22595.000	-47.32	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2310MHz_Outer_Full_Ant4



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-60.88	-40	Pass
2288	2292	1	CHP	2	2292.000	-46.19	-37	Pass
2292	2296	1	CHP	3	2296.000	-39.02	-31	Pass
2296	2300	1	CHP	4	2300.000	-33.06	-25	Pass
2300	2304	1	CHP	5	2303.500	-29.60	-13	Pass
2304	2305	0.11074	CHP	6	2304.950	-31.74	-13	Pass
2305	2315	0.11074	CHP	/	/	/	/	/
2315	2316	0.11074	CHP	7	2315.050	-32.95	-13	Pass
2316	2320	1	CHP	8	2316.500	-27.72	-13	Pass
2320	2324	1	CHP	9	2320.050	-32.37	-25	Pass
2324	2328	1	CHP	10	2324.050	-38.51	-31	Pass
2328	2337	1	CHP	11	2328.050	-45.30	-37	Pass
2337	2341	1	CHP	12	2337.050	-69.07	-31	Pass
2341	2345	1	CHP	13	2342.500	-69.49	-25	Pass

---End of Attachment---