1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_EIRP

5G NR n30 SCS=15kHz SISO 5MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2307.5	Edge_1RB_Left	23.08	/	/	22.83	/	/	<=23.98	Pass
		Edge_1RB_Right	23.25	/	/	23.00	/	/	<=23.98	Pass
		Outer_Full	23.07	/	/	22.82	/	/	<=23.98	Pass
		Inner_Full	23.29	/	/	23.04	/	/	<=23.98	Pass
		Inner_1RB_Left	23.20	/	/	22.95	/	/	<=23.98	Pass
		Inner_1RB_Right	23.28	/	/	23.03	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	22.91	/	/	22.66	/	/	<=23.98	Pass
		Edge_1RB_Right	22.91	/	/	22.66	/	/	<=23.98	Pass
		Outer_Full	22.86	/	/	22.61	/	/	<=23.98	Pass
		Inner_Full	23.48	/	/	23.23	/	/	<=23.98	Pass
		Inner_1RB_Left	23.34	/	/	23.09	/	/	<=23.98	Pass
		Inner_1RB_Right	23.39	/	/	23.14	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	23.27	/	/	23.02	/	/	<=23.98	Pass
		Edge_1RB_Right	23.30	/	/	23.05	/	/	<=23.98	Pass
		Outer_Full	23.29	/	/	23.04	/	/	<=23.98	Pass
		Inner_Full	23.41	/	/	23.16	/	/	<=23.98	Pass
		Inner_1RB_Left	23.40	/	/	23.15	/	/	<=23.98	Pass
		Inner_1RB_Right	23.39	/	/	23.14	/	/	<=23.98	Pass
DFT-s-OFDM QPSK	2307.5	Edge_1RB_Left	22.64	/	/	22.39	/	/	<=23.98	Pass
		Edge_1RB_Right	22.72	/	/	22.47	/	/	<=23.98	Pass
		Outer_Full	22.71	/	/	22.46	/	/	<=23.98	Pass
		Inner_Full	23.18	/	/	22.93	/	/	<=23.98	Pass
		Inner_1RB_Left	23.15	/	/	22.90	/	/	<=23.98	Pass
		Inner_1RB_Right	23.25	/	/	23.00	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	23.03	/	/	22.78	/	/	<=23.98	Pass
		Edge_1RB_Right	23.03	/	/	22.78	/	/	<=23.98	Pass
		Outer_Full	22.96	/	/	22.71	/	/	<=23.98	Pass
		Inner_Full	23.52	/	/	23.27	/	/	<=23.98	Pass
		Inner_1RB_Left	23.51	/	/	23.26	/	/	<=23.98	Pass
		Inner_1RB_Right	23.54	/	/	23.29	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	22.85	/	/	22.60	/	/	<=23.98	Pass
		Edge_1RB_Right	22.89	/	/	22.64	/	/	<=23.98	Pass
		Outer_Full	22.87	/	/	22.62	/	/	<=23.98	Pass
		Inner_Full	23.32	/	/	23.07	/	/	<=23.98	Pass
		Inner_1RB_Left	23.41	/	/	23.16	/	/	<=23.98	Pass
		Inner_1RB_Right	23.44	/	/	23.19	/	/	<=23.98	Pass
DFT-s-OFDM 16 QAM	2307.5	Edge_1RB_Left	21.46	/	/	21.21	/	/	<=23.98	Pass
		Edge_1RB_Right	21.57	/	/	21.32	/	/	<=23.98	Pass
		Outer_Full	21.73	/	/	21.48	/	/	<=23.98	Pass
		Inner_Full	22.68	/	/	22.43	/	/	<=23.98	Pass
		Inner_1RB_Left	22.53	/	/	22.28	/	/	<=23.98	Pass
		Inner_1RB_Right	22.62	/	/	22.37	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	21.97	/	/	21.72	/	/	<=23.98	Pass
		Edge_1RB_Right	21.74	/	/	21.49	/	/	<=23.98	Pass
		Outer_Full	21.96	/	/	21.71	/	/	<=23.98	Pass
		Inner_Full	22.89	/	/	22.64	/	/	<=23.98	Pass
		Inner_1RB_Left	22.86	/	/	22.61	/	/	<=23.98	Pass
		Inner_1RB_Right	22.85	/	/	22.60	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	21.89	/	/	21.64	/	/	<=23.98	Pass

		Edge_1RB_Right	21.71	/	/	21.46	/	/	<=23.98	Pass
		Outer_Full	21.79	/	/	21.54	/	/	<=23.98	Pass
		Inner_Full	22.80	/	/	22.55	/	/	<=23.98	Pass
		Inner_1RB_Left	22.85	/	/	22.60	/	/	<=23.98	Pass
		Inner_1RB_Right	22.76	/	/	22.51	/	/	<=23.98	Pass
DFT-s-OFDM 64 QAM	2307.5	Edge_1RB_Left	21.07	/	/	20.82	/	/	<=23.98	Pass
		Edge_1RB_Right	21.18	/	/	20.93	/	/	<=23.98	Pass
		Outer_Full	21.18	/	/	20.93	/	/	<=23.98	Pass
		Inner_Full	21.21	/	/	20.96	/	/	<=23.98	Pass
		Inner_1RB_Left	21.17	/	/	20.92	/	/	<=23.98	Pass
		Inner_1RB_Right	21.26	/	/	21.01	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	21.51	/	/	21.26	/	/	<=23.98	Pass
		Edge_1RB_Right	21.54	/	/	21.29	/	/	<=23.98	Pass
		Outer_Full	21.40	/	/	21.15	/	/	<=23.98	Pass
		Inner_Full	21.43	/	/	21.18	/	/	<=23.98	Pass
		Inner_1RB_Left	21.60	/	/	21.35	/	/	<=23.98	Pass
		Inner_1RB_Right	21.62	/	/	21.37	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	21.35	/	/	21.10	/	/	<=23.98	Pass
		Edge_1RB_Right	21.41	/	/	21.16	/	/	<=23.98	Pass
		Outer_Full	21.28	/	/	21.03	/	/	<=23.98	Pass
		Inner_Full	21.27	/	/	21.02	/	/	<=23.98	Pass
		Inner_1RB_Left	21.41	/	/	21.16	/	/	<=23.98	Pass
		Inner_1RB_Right	21.34	/	/	21.09	/	/	<=23.98	Pass
DFT-s-OFDM 256 QAM	2307.5	Edge_1RB_Left	18.48	/	/	18.23	/	/	<=23.98	Pass
		Edge_1RB_Right	18.60	/	/	18.35	/	/	<=23.98	Pass
		Outer_Full	19.17	/	/	18.92	/	/	<=23.98	Pass
		Inner_Full	19.13	/	/	18.88	/	/	<=23.98	Pass
		Inner_1RB_Left	18.59	/	/	18.34	/	/	<=23.98	Pass
		Inner_1RB_Right	18.59	/	/	18.34	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	18.74	/	/	18.49	/	/	<=23.98	Pass
		Edge_1RB_Right	18.70	/	/	18.45	/	/	<=23.98	Pass
		Outer_Full	19.32	/	/	19.07	/	/	<=23.98	Pass
		Inner_Full	19.31	/	/	19.06	/	/	<=23.98	Pass
		Inner_1RB_Left	18.76	/	/	18.51	/	/	<=23.98	Pass
		Inner_1RB_Right	18.75	/	/	18.50	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	18.67	/	/	18.42	/	/	<=23.98	Pass
		Edge_1RB_Right	18.68	/	/	18.43	/	/	<=23.98	Pass
		Outer_Full	19.25	/	/	19.00	/	/	<=23.98	Pass
		Inner_Full	19.27	/	/	19.02	/	/	<=23.98	Pass
		Inner_1RB_Left	18.69	/	/	18.44	/	/	<=23.98	Pass
		Inner_1RB_Right	18.71	/	/	18.46	/	/	<=23.98	Pass
CP-OFDM QPSK	2307.5	Edge_1RB_Left	20.58	/	/	20.33	/	/	<=23.98	Pass
		Edge_1RB_Right	20.75	/	/	20.50	/	/	<=23.98	Pass
		Outer_Full	20.65	/	/	20.40	/	/	<=23.98	Pass
		Inner_Full	22.15	/	/	21.90	/	/	<=23.98	Pass
		Inner_1RB_Left	22.15	/	/	21.90	/	/	<=23.98	Pass
		Inner_1RB_Right	22.30	/	/	22.05	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	20.95	/	/	20.70	/	/	<=23.98	Pass
		Edge_1RB_Right	20.96	/	/	20.71	/	/	<=23.98	Pass
		Outer_Full	20.89	/	/	20.64	/	/	<=23.98	Pass
		Inner_Full	22.37	/	/	22.12	/	/	<=23.98	Pass
		Inner_1RB_Left	22.62	/	/	22.37	/	/	<=23.98	Pass
		Inner_1RB_Right	22.69	/	/	22.44	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	20.81	/	/	20.56	/	/	<=23.98	Pass
		Edge_1RB_Right	20.80	/	/	20.55	/	/	<=23.98	Pass
		Outer_Full	20.82	/	/	20.57	/	/	<=23.98	Pass
		Inner_Full	22.64	/	/	22.39	/	/	<=23.98	Pass
		Inner_1RB_Left	22.36	/	/	22.11	/	/	<=23.98	Pass
		Inner_1RB_Right	22.45	/	/	22.20	/	/	<=23.98	Pass

CP-OFDM 16 QAM	2307.5	Edge_1RB_Left	20.54	/	/	20.29	/	/	<=23.98	Pass
		Edge_1RB_Right	20.66	/	/	20.41	/	/	<=23.98	Pass
		Outer_Full	20.77	/	/	20.52	/	/	<=23.98	Pass
		Inner_Full	21.52	/	/	21.27	/	/	<=23.98	Pass
		Inner_1RB_Left	21.60	/	/	21.35	/	/	<=23.98	Pass
		Inner_1RB_Right	21.74	/	/	21.49	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	20.83	/	/	20.58	/	/	<=23.98	Pass
		Edge_1RB_Right	20.86	/	/	20.61	/	/	<=23.98	Pass
		Outer_Full	20.97	/	/	20.72	/	/	<=23.98	Pass
		Inner_Full	21.75	/	/	21.50	/	/	<=23.98	Pass
		Inner_1RB_Left	21.86	/	/	21.61	/	/	<=23.98	Pass
		Inner_1RB_Right	21.91	/	/	21.66	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	20.69	/	/	20.44	/	/	<=23.98	Pass
		Edge_1RB_Right	20.83	/	/	20.58	/	/	<=23.98	Pass
		Outer_Full	20.94	/	/	20.69	/	/	<=23.98	Pass
		Inner_Full	21.63	/	/	21.38	/	/	<=23.98	Pass
		Inner_1RB_Left	21.87	/	/	21.62	/	/	<=23.98	Pass
		Inner_1RB_Right	21.84	/	/	21.59	/	/	<=23.98	Pass
CP-OFDM 64 QAM	2307.5	Edge_1RB_Left	20.10	/	/	19.85	/	/	<=23.98	Pass
		Edge_1RB_Right	20.21	/	/	19.96	/	/	<=23.98	Pass
		Outer_Full	20.22	/	/	19.97	/	/	<=23.98	Pass
		Inner_Full	20.28	/	/	20.03	/	/	<=23.98	Pass
		Inner_1RB_Left	20.03	/	/	19.78	/	/	<=23.98	Pass
		Inner_1RB_Right	20.17	/	/	19.92	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	20.32	/	/	20.07	/	/	<=23.98	Pass
		Edge_1RB_Right	20.48	/	/	20.23	/	/	<=23.98	Pass
		Outer_Full	20.40	/	/	20.15	/	/	<=23.98	Pass
		Inner_Full	20.46	/	/	20.21	/	/	<=23.98	Pass
		Inner_1RB_Left	20.37	/	/	20.12	/	/	<=23.98	Pass
		Inner_1RB_Right	20.44	/	/	20.19	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	20.20	/	/	19.95	/	/	<=23.98	Pass
		Edge_1RB_Right	20.27	/	/	20.02	/	/	<=23.98	Pass
		Outer_Full	20.29	/	/	20.04	/	/	<=23.98	Pass
		Inner_Full	20.33	/	/	20.08	/	/	<=23.98	Pass
		Inner_1RB_Left	20.27	/	/	20.02	/	/	<=23.98	Pass
		Inner_1RB_Right	20.30	/	/	20.05	/	/	<=23.98	Pass
CP-OFDM 256 QAM	2307.5	Edge_1RB_Left	16.67	/	/	16.42	/	/	<=23.98	Pass
		Edge_1RB_Right	16.72	/	/	16.47	/	/	<=23.98	Pass
		Outer_Full	17.17	/	/	16.92	/	/	<=23.98	Pass
		Inner_Full	17.21	/	/	16.96	/	/	<=23.98	Pass
		Inner_1RB_Left	16.62	/	/	16.37	/	/	<=23.98	Pass
		Inner_1RB_Right	16.67	/	/	16.42	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	16.82	/	/	16.57	/	/	<=23.98	Pass
		Edge_1RB_Right	16.85	/	/	16.60	/	/	<=23.98	Pass
		Outer_Full	17.31	/	/	17.06	/	/	<=23.98	Pass
		Inner_Full	17.35	/	/	17.10	/	/	<=23.98	Pass
		Inner_1RB_Left	16.79	/	/	16.54	/	/	<=23.98	Pass
		Inner_1RB_Right	16.91	/	/	16.66	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	16.80	/	/	16.55	/	/	<=23.98	Pass
		Edge_1RB_Right	16.83	/	/	16.58	/	/	<=23.98	Pass
		Outer_Full	17.31	/	/	17.06	/	/	<=23.98	Pass
		Inner_Full	17.39	/	/	17.14	/	/	<=23.98	Pass
		Inner_1RB_Left	16.89	/	/	16.64	/	/	<=23.98	Pass
		Inner_1RB_Right	16.78	/	/	16.53	/	/	<=23.98	Pass
Note1: Antenna Gain: Ant2: -0.25dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15k_SISO_5MHz_NTNV_EIRP(dBm/5MHz)

5G NR n30 SCS=15kHz SISO 5MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/5MHz)			EIRP(dBm/5MHz)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2307.5	Edge_1RB_Left	23.66	/	/	23.41	/	/	<=23.98	Pass
		Edge_1RB_Right	23.49	/	/	23.24	/	/	<=23.98	Pass
		Outer_Full	23.57	/	/	23.32	/	/	<=23.98	Pass
		Inner_Full	23.70	/	/	23.45	/	/	<=23.98	Pass
		Inner_1RB_Left	23.63	/	/	23.38	/	/	<=23.98	Pass
		Inner_1RB_Right	23.56	/	/	23.31	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	23.19	/	/	22.94	/	/	<=23.98	Pass
		Edge_1RB_Right	23.12	/	/	22.87	/	/	<=23.98	Pass
		Outer_Full	23.16	/	/	22.91	/	/	<=23.98	Pass
		Inner_Full	23.84	/	/	23.59	/	/	<=23.98	Pass
		Inner_1RB_Left	23.76	/	/	23.51	/	/	<=23.98	Pass
		Inner_1RB_Right	23.56	/	/	23.31	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	23.53	/	/	23.28	/	/	<=23.98	Pass
		Edge_1RB_Right	23.46	/	/	23.21	/	/	<=23.98	Pass
		Outer_Full	23.43	/	/	23.18	/	/	<=23.98	Pass
		Inner_Full	23.51	/	/	23.26	/	/	<=23.98	Pass
		Inner_1RB_Left	23.55	/	/	23.30	/	/	<=23.98	Pass
		Inner_1RB_Right	23.46	/	/	23.21	/	/	<=23.98	Pass
DFT-s-OFDM QPSK	2307.5	Edge_1RB_Left	23.13	/	/	22.88	/	/	<=23.98	Pass
		Edge_1RB_Right	23.01	/	/	22.76	/	/	<=23.98	Pass
		Outer_Full	23.15	/	/	22.90	/	/	<=23.98	Pass
		Inner_Full	23.65	/	/	23.40	/	/	<=23.98	Pass
		Inner_1RB_Left	23.69	/	/	23.44	/	/	<=23.98	Pass
		Inner_1RB_Right	23.61	/	/	23.36	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	23.36	/	/	23.11	/	/	<=23.98	Pass
		Edge_1RB_Right	23.24	/	/	22.99	/	/	<=23.98	Pass
		Outer_Full	23.22	/	/	22.97	/	/	<=23.98	Pass
		Inner_Full	23.77	/	/	23.52	/	/	<=23.98	Pass
		Inner_1RB_Left	23.85	/	/	23.60	/	/	<=23.98	Pass
		Inner_1RB_Right	23.65	/	/	23.40	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	22.99	/	/	22.74	/	/	<=23.98	Pass
		Edge_1RB_Right	22.95	/	/	22.70	/	/	<=23.98	Pass
		Outer_Full	22.96	/	/	22.71	/	/	<=23.98	Pass
		Inner_Full	23.42	/	/	23.17	/	/	<=23.98	Pass
		Inner_1RB_Left	23.60	/	/	23.35	/	/	<=23.98	Pass
		Inner_1RB_Right	23.53	/	/	23.28	/	/	<=23.98	Pass
DFT-s-OFDM 16 QAM	2307.5	Edge_1RB_Left	22.19	/	/	21.94	/	/	<=23.98	Pass
		Edge_1RB_Right	21.99	/	/	21.74	/	/	<=23.98	Pass
		Outer_Full	22.05	/	/	21.80	/	/	<=23.98	Pass
		Inner_Full	23.12	/	/	22.87	/	/	<=23.98	Pass
		Inner_1RB_Left	23.09	/	/	22.84	/	/	<=23.98	Pass
		Inner_1RB_Right	22.90	/	/	22.65	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	22.40	/	/	22.15	/	/	<=23.98	Pass
		Edge_1RB_Right	22.01	/	/	21.76	/	/	<=23.98	Pass
		Outer_Full	22.23	/	/	21.98	/	/	<=23.98	Pass
		Inner_Full	23.16	/	/	22.91	/	/	<=23.98	Pass
		Inner_1RB_Left	23.33	/	/	23.08	/	/	<=23.98	Pass
		Inner_1RB_Right	23.04	/	/	22.79	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	22.00	/	/	21.75	/	/	<=23.98	Pass
		Edge_1RB_Right	21.73	/	/	21.48	/	/	<=23.98	Pass
		Outer_Full	21.87	/	/	21.62	/	/	<=23.98	Pass
		Inner_Full	22.94	/	/	22.69	/	/	<=23.98	Pass
		Inner_1RB_Left	22.94	/	/	22.69	/	/	<=23.98	Pass
		Inner_1RB_Right	23.03	/	/	22.78	/	/	<=23.98	Pass
DFT-s-OFDM 64 QAM	2307.5	Edge_1RB_Left	21.73	/	/	21.48	/	/	<=23.98	Pass

		Edge_1RB_Right	21.49	/	/	21.24	/	/	<=23.98	Pass
		Outer_Full	21.47	/	/	21.22	/	/	<=23.98	Pass
		Inner_Full	21.58	/	/	21.33	/	/	<=23.98	Pass
		Inner_1RB_Left	20.94	/	/	20.69	/	/	<=23.98	Pass
		Inner_1RB_Right	21.44	/	/	21.19	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	21.85	/	/	21.60	/	/	<=23.98	Pass
		Edge_1RB_Right	21.40	/	/	21.15	/	/	<=23.98	Pass
		Outer_Full	21.63	/	/	21.38	/	/	<=23.98	Pass
		Inner_Full	21.71	/	/	21.46	/	/	<=23.98	Pass
		Inner_1RB_Left	21.80	/	/	21.55	/	/	<=23.98	Pass
		Inner_1RB_Right	21.78	/	/	21.53	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	21.64	/	/	21.39	/	/	<=23.98	Pass
		Edge_1RB_Right	21.36	/	/	21.11	/	/	<=23.98	Pass
		Outer_Full	21.33	/	/	21.08	/	/	<=23.98	Pass
		Inner_Full	21.38	/	/	21.13	/	/	<=23.98	Pass
		Inner_1RB_Left	21.59	/	/	21.34	/	/	<=23.98	Pass
		Inner_1RB_Right	21.47	/	/	21.22	/	/	<=23.98	Pass
DFT-s-OFDM 256 QAM	2307.5	Edge_1RB_Left	18.93	/	/	18.68	/	/	<=23.98	Pass
		Edge_1RB_Right	18.97	/	/	18.72	/	/	<=23.98	Pass
		Outer_Full	19.45	/	/	19.20	/	/	<=23.98	Pass
		Inner_Full	19.44	/	/	19.19	/	/	<=23.98	Pass
		Inner_1RB_Left	19.15	/	/	18.90	/	/	<=23.98	Pass
		Inner_1RB_Right	18.90	/	/	18.65	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	19.12	/	/	18.87	/	/	<=23.98	Pass
		Edge_1RB_Right	18.89	/	/	18.64	/	/	<=23.98	Pass
		Outer_Full	19.55	/	/	19.30	/	/	<=23.98	Pass
		Inner_Full	19.46	/	/	19.21	/	/	<=23.98	Pass
		Inner_1RB_Left	19.19	/	/	18.94	/	/	<=23.98	Pass
		Inner_1RB_Right	19.10	/	/	18.85	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	18.99	/	/	18.74	/	/	<=23.98	Pass
		Edge_1RB_Right	18.86	/	/	18.61	/	/	<=23.98	Pass
		Outer_Full	19.25	/	/	19.00	/	/	<=23.98	Pass
		Inner_Full	19.27	/	/	19.02	/	/	<=23.98	Pass
		Inner_1RB_Left	18.92	/	/	18.67	/	/	<=23.98	Pass
		Inner_1RB_Right	18.82	/	/	18.57	/	/	<=23.98	Pass
CP-OFDM QPSK	2307.5	Edge_1RB_Left	20.85	/	/	20.60	/	/	<=23.98	Pass
		Edge_1RB_Right	20.34	/	/	20.09	/	/	<=23.98	Pass
		Outer_Full	20.95	/	/	20.70	/	/	<=23.98	Pass
		Inner_Full	22.51	/	/	22.26	/	/	<=23.98	Pass
		Inner_1RB_Left	22.57	/	/	22.32	/	/	<=23.98	Pass
		Inner_1RB_Right	22.59	/	/	22.34	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	21.34	/	/	21.09	/	/	<=23.98	Pass
		Edge_1RB_Right	21.17	/	/	20.92	/	/	<=23.98	Pass
		Outer_Full	21.18	/	/	20.93	/	/	<=23.98	Pass
		Inner_Full	22.72	/	/	22.47	/	/	<=23.98	Pass
		Inner_1RB_Left	22.97	/	/	22.72	/	/	<=23.98	Pass
		Inner_1RB_Right	22.74	/	/	22.49	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	20.86	/	/	20.61	/	/	<=23.98	Pass
		Edge_1RB_Right	20.77	/	/	20.52	/	/	<=23.98	Pass
		Outer_Full	20.83	/	/	20.58	/	/	<=23.98	Pass
		Inner_Full	22.30	/	/	22.05	/	/	<=23.98	Pass
		Inner_1RB_Left	22.65	/	/	22.40	/	/	<=23.98	Pass
		Inner_1RB_Right	22.48	/	/	22.23	/	/	<=23.98	Pass
CP-OFDM 16 QAM	2307.5	Edge_1RB_Left	21.11	/	/	20.86	/	/	<=23.98	Pass
		Edge_1RB_Right	21.07	/	/	20.82	/	/	<=23.98	Pass
		Outer_Full	20.32	/	/	20.07	/	/	<=23.98	Pass
		Inner_Full	21.89	/	/	21.64	/	/	<=23.98	Pass
		Inner_1RB_Left	22.13	/	/	21.88	/	/	<=23.98	Pass
		Inner_1RB_Right	22.04	/	/	21.79	/	/	<=23.98	Pass

	2310	Edge_1RB_Left	21.44	/	/	21.19	/	/	<=23.98	Pass
		Edge_1RB_Right	21.04	/	/	20.79	/	/	<=23.98	Pass
		Outer_Full	21.12	/	/	20.87	/	/	<=23.98	Pass
		Inner_Full	22.00	/	/	21.75	/	/	<=23.98	Pass
		Inner_1RB_Left	22.17	/	/	21.92	/	/	<=23.98	Pass
		Inner_1RB_Right	21.97	/	/	21.72	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	20.92	/	/	20.67	/	/	<=23.98	Pass
		Edge_1RB_Right	21.00	/	/	20.75	/	/	<=23.98	Pass
		Outer_Full	20.98	/	/	20.73	/	/	<=23.98	Pass
		Inner_Full	21.80	/	/	21.55	/	/	<=23.98	Pass
		Inner_1RB_Left	21.99	/	/	21.74	/	/	<=23.98	Pass
		Inner_1RB_Right	22.03	/	/	21.78	/	/	<=23.98	Pass
CP-OFDM 64 QAM	2307.5	Edge_1RB_Left	20.65	/	/	20.40	/	/	<=23.98	Pass
		Edge_1RB_Right	20.66	/	/	20.41	/	/	<=23.98	Pass
		Outer_Full	20.47	/	/	20.22	/	/	<=23.98	Pass
		Inner_Full	20.60	/	/	20.35	/	/	<=23.98	Pass
		Inner_1RB_Left	20.82	/	/	20.57	/	/	<=23.98	Pass
		Inner_1RB_Right	20.35	/	/	20.10	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	20.69	/	/	20.44	/	/	<=23.98	Pass
		Edge_1RB_Right	20.63	/	/	20.38	/	/	<=23.98	Pass
		Outer_Full	20.64	/	/	20.39	/	/	<=23.98	Pass
		Inner_Full	20.73	/	/	20.48	/	/	<=23.98	Pass
		Inner_1RB_Left	20.77	/	/	20.52	/	/	<=23.98	Pass
		Inner_1RB_Right	20.55	/	/	20.30	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	20.16	/	/	19.91	/	/	<=23.98	Pass
		Edge_1RB_Right	20.32	/	/	20.07	/	/	<=23.98	Pass
		Outer_Full	20.37	/	/	20.12	/	/	<=23.98	Pass
		Inner_Full	20.43	/	/	20.18	/	/	<=23.98	Pass
		Inner_1RB_Left	20.29	/	/	20.04	/	/	<=23.98	Pass
		Inner_1RB_Right	20.45	/	/	20.20	/	/	<=23.98	Pass
CP-OFDM 256 QAM	2307.5	Edge_1RB_Left	17.13	/	/	16.88	/	/	<=23.98	Pass
		Edge_1RB_Right	16.73	/	/	16.48	/	/	<=23.98	Pass
		Outer_Full	17.45	/	/	17.20	/	/	<=23.98	Pass
		Inner_Full	17.54	/	/	17.29	/	/	<=23.98	Pass
		Inner_1RB_Left	16.85	/	/	16.60	/	/	<=23.98	Pass
		Inner_1RB_Right	16.98	/	/	16.73	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	17.08	/	/	16.83	/	/	<=23.98	Pass
		Edge_1RB_Right	17.29	/	/	17.04	/	/	<=23.98	Pass
		Outer_Full	17.55	/	/	17.30	/	/	<=23.98	Pass
		Inner_Full	17.61	/	/	17.36	/	/	<=23.98	Pass
		Inner_1RB_Left	17.25	/	/	17.00	/	/	<=23.98	Pass
		Inner_1RB_Right	16.92	/	/	16.67	/	/	<=23.98	Pass
	2312.5	Edge_1RB_Left	17.04	/	/	16.79	/	/	<=23.98	Pass
		Edge_1RB_Right	16.98	/	/	16.73	/	/	<=23.98	Pass
		Outer_Full	17.28	/	/	17.03	/	/	<=23.98	Pass
		Inner_Full	17.48	/	/	17.23	/	/	<=23.98	Pass
		Inner_1RB_Left	17.14	/	/	16.89	/	/	<=23.98	Pass
		Inner_1RB_Right	16.76	/	/	16.51	/	/	<=23.98	Pass
Note1: Antenna Gain: Ant2: -0.25dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 15k_SISO_10MHz_NTNV_EIRP

5G NR n30 SCS=15kHz SISO 10MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Edge_1RB_Left	22.61	/	/	22.36	/	/	<=23.98	Pass
		Edge_1RB_Right	22.59	/	/	22.34	/	/	<=23.98	Pass

		Outer_Full	22.63	/	/	22.38	/	/	<=23.98	Pass
		Inner_Full	23.21	/	/	22.96	/	/	<=23.98	Pass
		Inner_1RB_Left	23.21	/	/	22.96	/	/	<=23.98	Pass
		Inner_1RB_Right	23.22	/	/	22.97	/	/	<=23.98	Pass
DFT-s-OFDM QPSK	2310	Edge_1RB_Left	22.75	/	/	22.50	/	/	<=23.98	Pass
		Edge_1RB_Right	22.74	/	/	22.49	/	/	<=23.98	Pass
		Outer_Full	22.79	/	/	22.54	/	/	<=23.98	Pass
		Inner_Full	23.26	/	/	23.01	/	/	<=23.98	Pass
		Inner_1RB_Left	23.37	/	/	23.12	/	/	<=23.98	Pass
		Inner_1RB_Right	23.34	/	/	23.09	/	/	<=23.98	Pass
DFT-s-OFDM 16 QAM	2310	Edge_1RB_Left	21.69	/	/	21.44	/	/	<=23.98	Pass
		Edge_1RB_Right	21.53	/	/	21.28	/	/	<=23.98	Pass
		Outer_Full	21.74	/	/	21.49	/	/	<=23.98	Pass
		Inner_Full	22.77	/	/	22.52	/	/	<=23.98	Pass
		Inner_1RB_Left	22.68	/	/	22.43	/	/	<=23.98	Pass
		Inner_1RB_Right	22.59	/	/	22.34	/	/	<=23.98	Pass
DFT-s-OFDM 64 QAM	2310	Edge_1RB_Left	21.26	/	/	21.01	/	/	<=23.98	Pass
		Edge_1RB_Right	21.22	/	/	20.97	/	/	<=23.98	Pass
		Outer_Full	21.29	/	/	21.04	/	/	<=23.98	Pass
		Inner_Full	21.21	/	/	20.96	/	/	<=23.98	Pass
		Inner_1RB_Left	21.29	/	/	21.04	/	/	<=23.98	Pass
		Inner_1RB_Right	21.28	/	/	21.03	/	/	<=23.98	Pass
DFT-s-OFDM 256 QAM	2310	Edge_1RB_Left	18.56	/	/	18.31	/	/	<=23.98	Pass
		Edge_1RB_Right	18.58	/	/	18.33	/	/	<=23.98	Pass
		Outer_Full	19.26	/	/	19.01	/	/	<=23.98	Pass
		Inner_Full	19.19	/	/	18.94	/	/	<=23.98	Pass
		Inner_1RB_Left	18.62	/	/	18.37	/	/	<=23.98	Pass
		Inner_1RB_Right	18.60	/	/	18.35	/	/	<=23.98	Pass
CP-OFDM QPSK	2310	Edge_1RB_Left	20.75	/	/	20.50	/	/	<=23.98	Pass
		Edge_1RB_Right	20.88	/	/	20.63	/	/	<=23.98	Pass
		Outer_Full	20.59	/	/	20.34	/	/	<=23.98	Pass
		Inner_Full	22.18	/	/	21.93	/	/	<=23.98	Pass
		Inner_1RB_Left	22.28	/	/	22.03	/	/	<=23.98	Pass
		Inner_1RB_Right	22.41	/	/	22.16	/	/	<=23.98	Pass
CP-OFDM 16 QAM	2310	Edge_1RB_Left	20.61	/	/	20.36	/	/	<=23.98	Pass
		Edge_1RB_Right	20.68	/	/	20.43	/	/	<=23.98	Pass
		Outer_Full	20.71	/	/	20.46	/	/	<=23.98	Pass
		Inner_Full	21.68	/	/	21.43	/	/	<=23.98	Pass
		Inner_1RB_Left	21.62	/	/	21.37	/	/	<=23.98	Pass
		Inner_1RB_Right	21.77	/	/	21.52	/	/	<=23.98	Pass
CP-OFDM 64 QAM	2310	Edge_1RB_Left	20.16	/	/	19.91	/	/	<=23.98	Pass
		Edge_1RB_Right	20.26	/	/	20.01	/	/	<=23.98	Pass
		Outer_Full	20.22	/	/	19.97	/	/	<=23.98	Pass
		Inner_Full	20.26	/	/	20.01	/	/	<=23.98	Pass
		Inner_1RB_Left	20.21	/	/	19.96	/	/	<=23.98	Pass
		Inner_1RB_Right	20.26	/	/	20.01	/	/	<=23.98	Pass
CP-OFDM 256 QAM	2310	Edge_1RB_Left	16.73	/	/	16.48	/	/	<=23.98	Pass
		Edge_1RB_Right	16.72	/	/	16.47	/	/	<=23.98	Pass
		Outer_Full	17.19	/	/	16.94	/	/	<=23.98	Pass
		Inner_Full	17.16	/	/	16.91	/	/	<=23.98	Pass
		Inner_1RB_Left	16.68	/	/	16.43	/	/	<=23.98	Pass
		Inner_1RB_Right	16.69	/	/	16.44	/	/	<=23.98	Pass
Note1: Antenna Gain: Ant2: -0.25dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 15k_SISO_10MHz_NTNV_EIRP(dBm/5MHz)

5G NR n30 SCS=15kHz SISO 10MHz NTNV

Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/5MHz)			EIRP(dBm/5MHz)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Edge_1RB_Left	22.98	/	/	22.73	/	/	<=23.98	Pass
		Edge_1RB_Right	22.70	/	/	22.45	/	/	<=23.98	Pass
		Outer_Full	22.89	/	/	22.64	/	/	<=23.98	Pass
		Inner_Full	23.48	/	/	23.23	/	/	<=23.98	Pass
		Inner_1RB_Left	23.53	/	/	23.28	/	/	<=23.98	Pass
		Inner_1RB_Right	23.31	/	/	23.06	/	/	<=23.98	Pass
DFT-s-OFDM QPSK	2310	Edge_1RB_Left	22.82	/	/	22.57	/	/	<=23.98	Pass
		Edge_1RB_Right	22.67	/	/	22.42	/	/	<=23.98	Pass
		Outer_Full	22.99	/	/	22.74	/	/	<=23.98	Pass
		Inner_Full	23.51	/	/	23.26	/	/	<=23.98	Pass
		Inner_1RB_Left	23.66	/	/	23.41	/	/	<=23.98	Pass
		Inner_1RB_Right	23.28	/	/	23.03	/	/	<=23.98	Pass
DFT-s-OFDM 16 QAM	2310	Edge_1RB_Left	21.95	/	/	21.70	/	/	<=23.98	Pass
		Edge_1RB_Right	22.10	/	/	21.85	/	/	<=23.98	Pass
		Outer_Full	21.98	/	/	21.73	/	/	<=23.98	Pass
		Inner_Full	23.08	/	/	22.83	/	/	<=23.98	Pass
		Inner_1RB_Left	23.20	/	/	22.95	/	/	<=23.98	Pass
		Inner_1RB_Right	23.02	/	/	22.77	/	/	<=23.98	Pass
DFT-s-OFDM 64 QAM	2310	Edge_1RB_Left	21.67	/	/	21.42	/	/	<=23.98	Pass
		Edge_1RB_Right	21.33	/	/	21.08	/	/	<=23.98	Pass
		Outer_Full	21.54	/	/	21.29	/	/	<=23.98	Pass
		Inner_Full	21.42	/	/	21.17	/	/	<=23.98	Pass
		Inner_1RB_Left	21.65	/	/	21.40	/	/	<=23.98	Pass
		Inner_1RB_Right	21.35	/	/	21.10	/	/	<=23.98	Pass
DFT-s-OFDM 256 QAM	2310	Edge_1RB_Left	19.00	/	/	18.75	/	/	<=23.98	Pass
		Edge_1RB_Right	18.65	/	/	18.40	/	/	<=23.98	Pass
		Outer_Full	19.34	/	/	19.09	/	/	<=23.98	Pass
		Inner_Full	19.32	/	/	19.07	/	/	<=23.98	Pass
		Inner_1RB_Left	18.90	/	/	18.65	/	/	<=23.98	Pass
		Inner_1RB_Right	18.88	/	/	18.63	/	/	<=23.98	Pass
CP-OFDM QPSK	2310	Edge_1RB_Left	20.97	/	/	20.72	/	/	<=23.98	Pass
		Edge_1RB_Right	21.13	/	/	20.88	/	/	<=23.98	Pass
		Outer_Full	20.75	/	/	20.50	/	/	<=23.98	Pass
		Inner_Full	22.41	/	/	22.16	/	/	<=23.98	Pass
		Inner_1RB_Left	22.50	/	/	22.25	/	/	<=23.98	Pass
		Inner_1RB_Right	22.30	/	/	22.05	/	/	<=23.98	Pass
CP-OFDM 16 QAM	2310	Edge_1RB_Left	21.05	/	/	20.80	/	/	<=23.98	Pass
		Edge_1RB_Right	20.97	/	/	20.72	/	/	<=23.98	Pass
		Outer_Full	20.82	/	/	20.57	/	/	<=23.98	Pass
		Inner_Full	21.87	/	/	21.62	/	/	<=23.98	Pass
		Inner_1RB_Left	22.34	/	/	22.09	/	/	<=23.98	Pass
		Inner_1RB_Right	21.91	/	/	21.66	/	/	<=23.98	Pass
CP-OFDM 64 QAM	2310	Edge_1RB_Left	21.04	/	/	20.79	/	/	<=23.98	Pass
		Edge_1RB_Right	20.28	/	/	20.03	/	/	<=23.98	Pass
		Outer_Full	20.40	/	/	20.15	/	/	<=23.98	Pass
		Inner_Full	20.46	/	/	20.21	/	/	<=23.98	Pass
		Inner_1RB_Left	20.59	/	/	20.34	/	/	<=23.98	Pass
		Inner_1RB_Right	20.24	/	/	19.99	/	/	<=23.98	Pass
CP-OFDM 256 QAM	2310	Edge_1RB_Left	16.96	/	/	16.71	/	/	<=23.98	Pass
		Edge_1RB_Right	16.73	/	/	16.48	/	/	<=23.98	Pass
		Outer_Full	17.36	/	/	17.11	/	/	<=23.98	Pass
		Inner_Full	17.35	/	/	17.10	/	/	<=23.98	Pass
		Inner_1RB_Left	17.06	/	/	16.81	/	/	<=23.98	Pass
		Inner_1RB_Right	16.97	/	/	16.72	/	/	<=23.98	Pass

Note1: Antenna Gain: Ant2: -0.25dBi;
Note2: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_10MHz

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	-3.00	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-9.00	-0.0039	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-9.60	-0.0042	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0038	>=-2.5 & <=2.5	Pass
			50	NV	-5.60	-0.0024	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

5G NR n30 SCS=15kHz SISO 5MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2310	Outer_Full	4.56	5.32	/	Pass
DFT-s-OFDM QPSK	2310	Outer_Full	4.54	5.32	/	Pass
DFT-s-OFDM 16 QAM	2310	Outer_Full	4.58	5.32	/	Pass
DFT-s-OFDM 64 QAM	2310	Outer_Full	4.53	5.14	/	Pass
DFT-s-OFDM 256 QAM	2310	Outer_Full	4.53	5.24	/	Pass
CP-OFDM QPSK	2310	Outer_Full	4.56	5.28	/	Pass
CP-OFDM 16 QAM	2310	Outer_Full	4.57	5.32	/	Pass
CP-OFDM 64 QAM	2310	Outer_Full	4.56	5.36	/	Pass
CP-OFDM 256 QAM	2310	Outer_Full	4.57	5.41	/	Pass

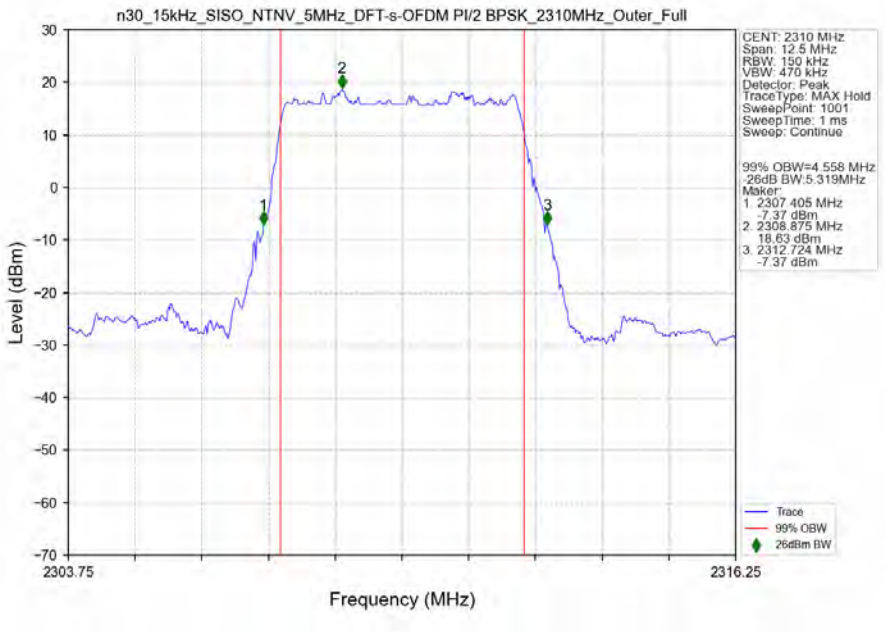
3.1.2 15k_SISO_10MHz_NTNV

5G NR n30 SCS=15kHz SISO 10MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2310	Outer_Full	9.04	10.01	/	Pass
DFT-s-OFDM QPSK	2310	Outer_Full	9.05	10.06	/	Pass
DFT-s-OFDM 16 QAM	2310	Outer_Full	9.08	9.96	/	Pass
DFT-s-OFDM 64 QAM	2310	Outer_Full	9.05	10.00	/	Pass
DFT-s-OFDM 256 QAM	2310	Outer_Full	9.07	9.98	/	Pass
CP-OFDM QPSK	2310	Outer_Full	9.37	10.50	/	Pass
CP-OFDM 16 QAM	2310	Outer_Full	9.39	10.45	/	Pass
CP-OFDM 64 QAM	2310	Outer_Full	9.37	11.30	/	Pass
CP-OFDM 256 QAM	2310	Outer_Full	9.40	10.53	/	Pass

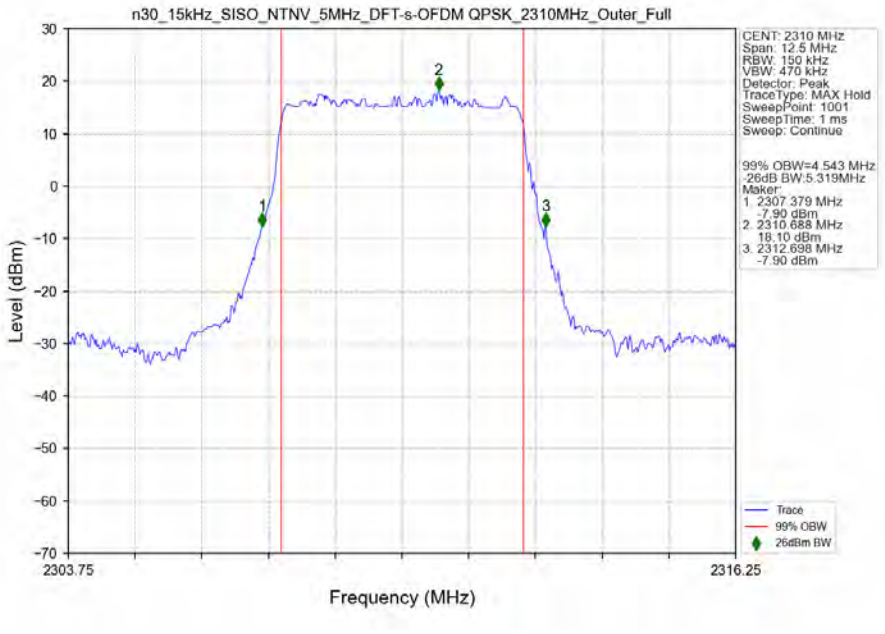
3.2 Test Graph

3.2.1 15k_SISO_5MHz_NTNV

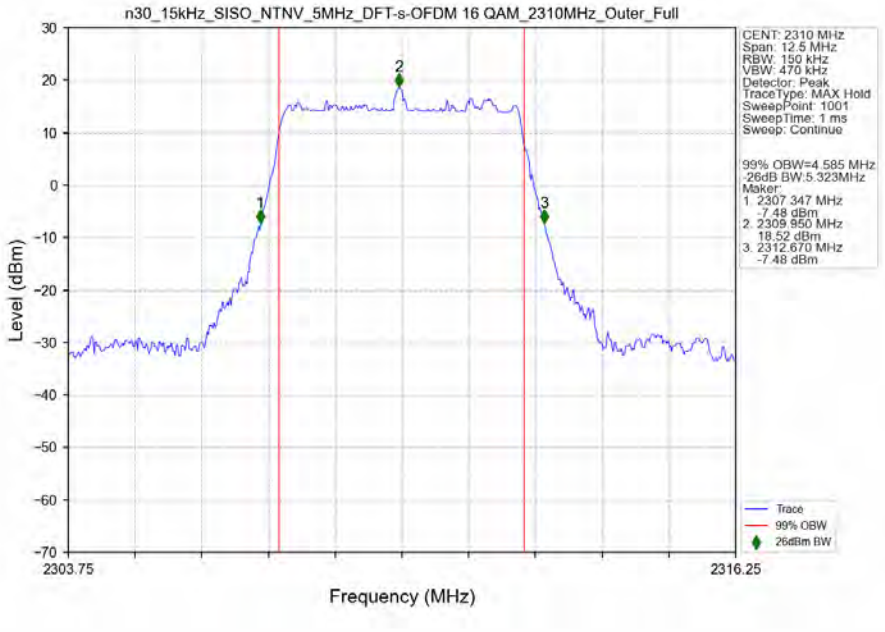
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Outer_Full_Ant2



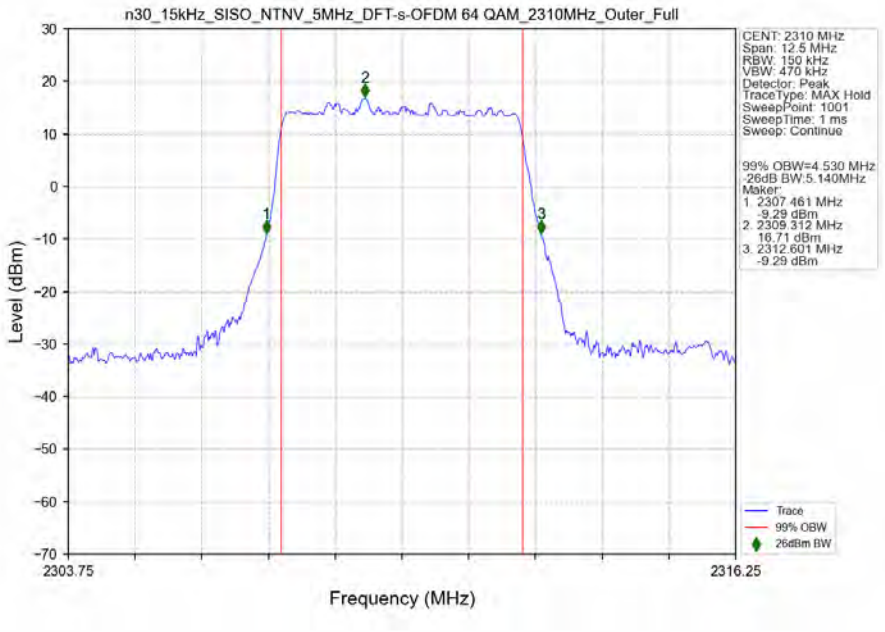
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2310MHz_Outer_Full_Ant2



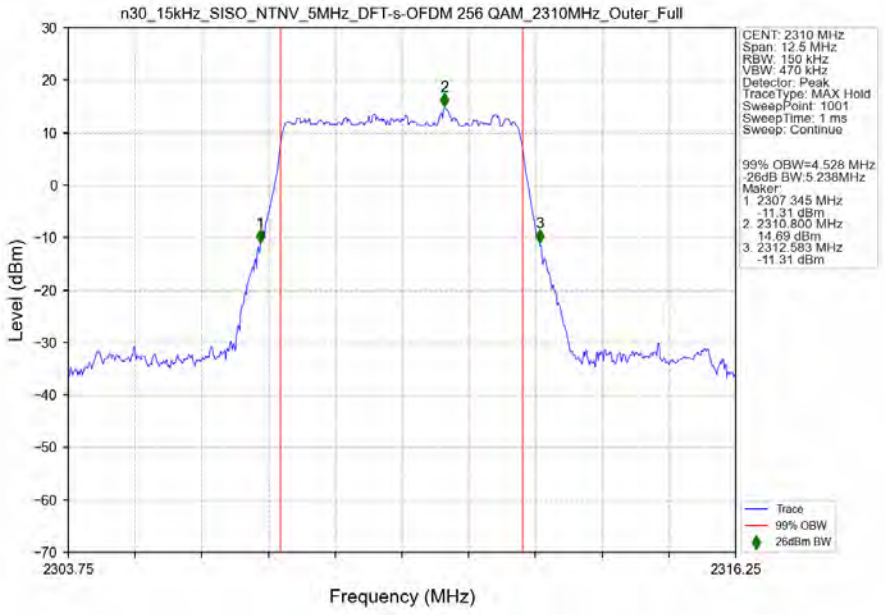
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_2310MHz_Outer_Full_Ant2



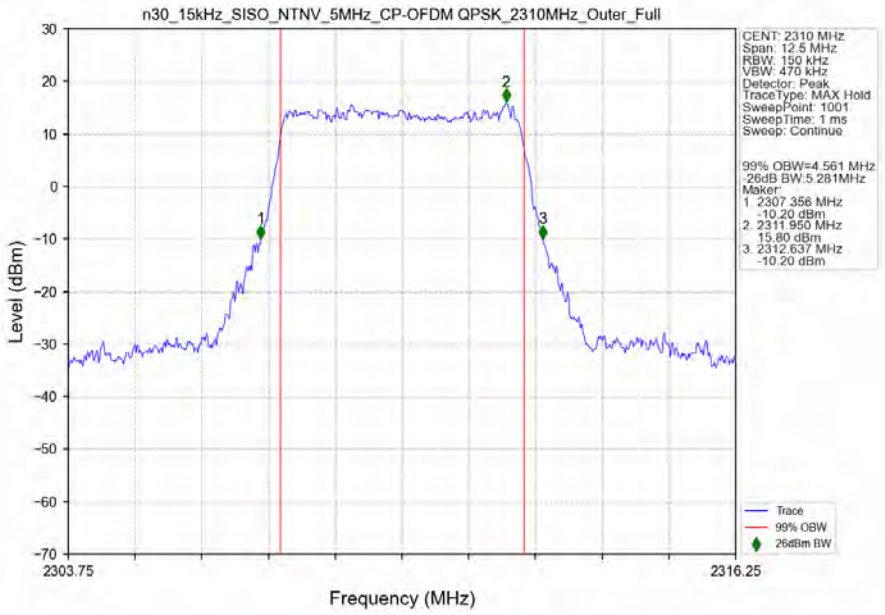
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_2310MHz_Outer_Full_Ant2



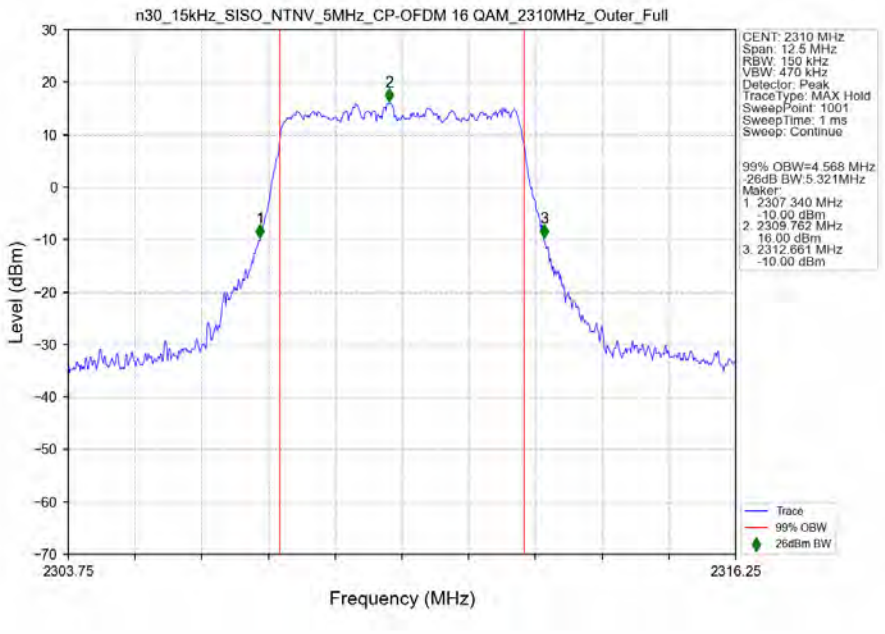
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_2310MHz_Outer_Full_Ant2



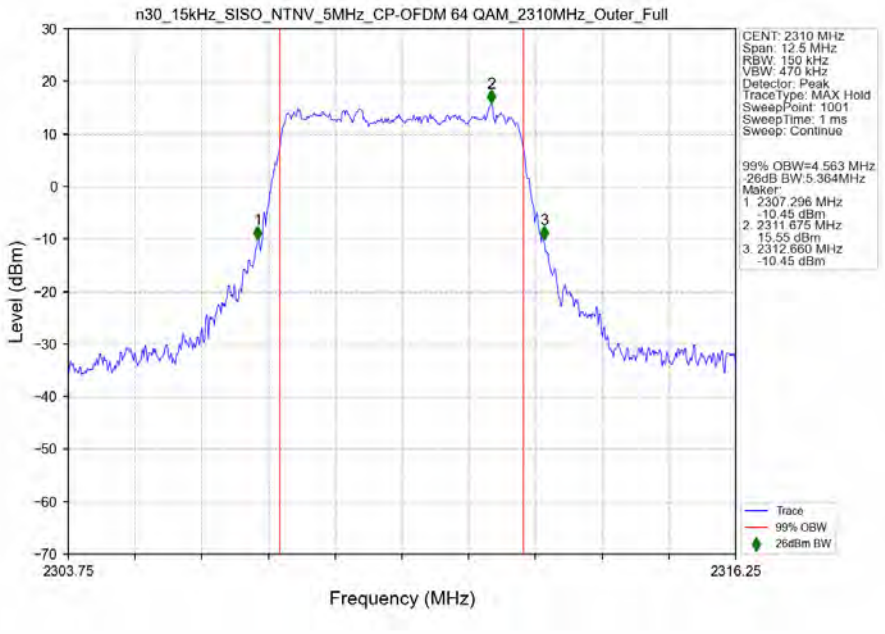
n30_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2310MHz_Outer_Full_Ant2

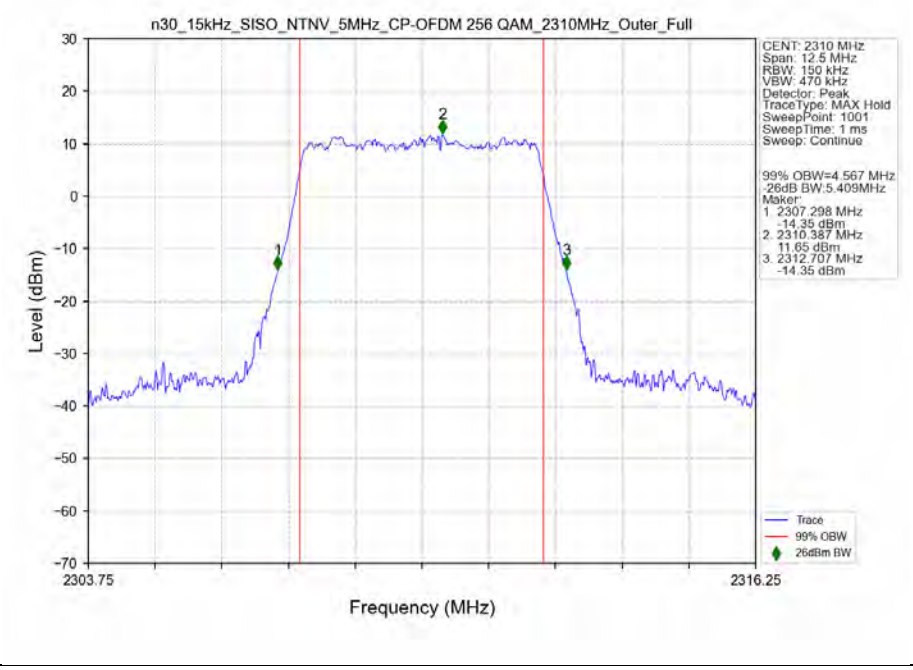


n30_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_2310MHz_Outer_Full_Ant2



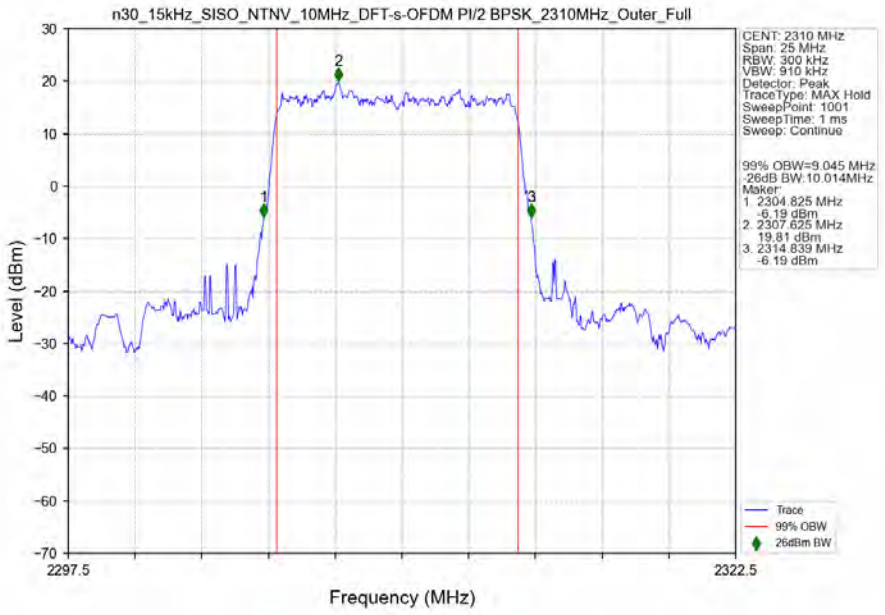
n30_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_2310MHz_Outer_Full_Ant2



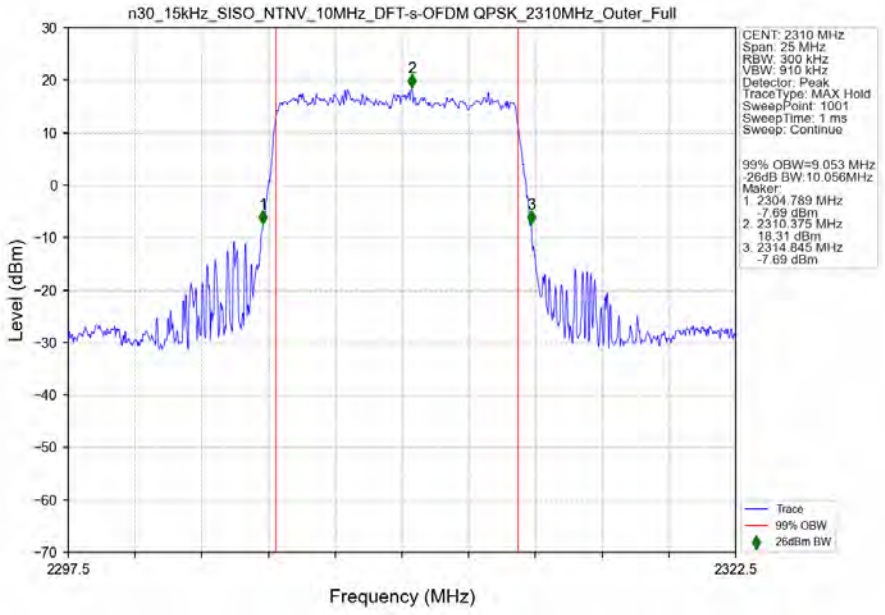
n30_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_2310MHz_Outer_Full_Ant2


3.2.2 15k_SISO_10MHz_NTNV

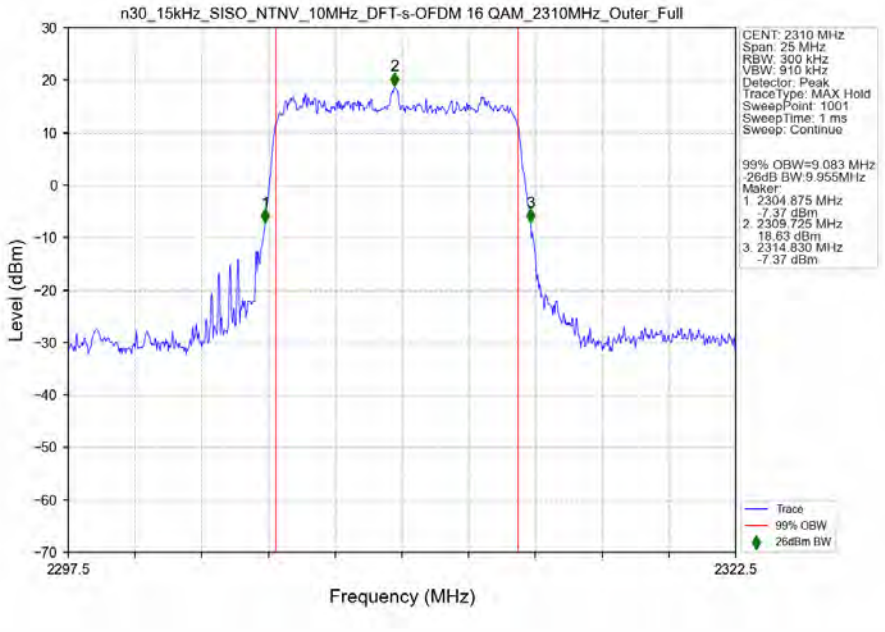
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Outer_Full_Ant2



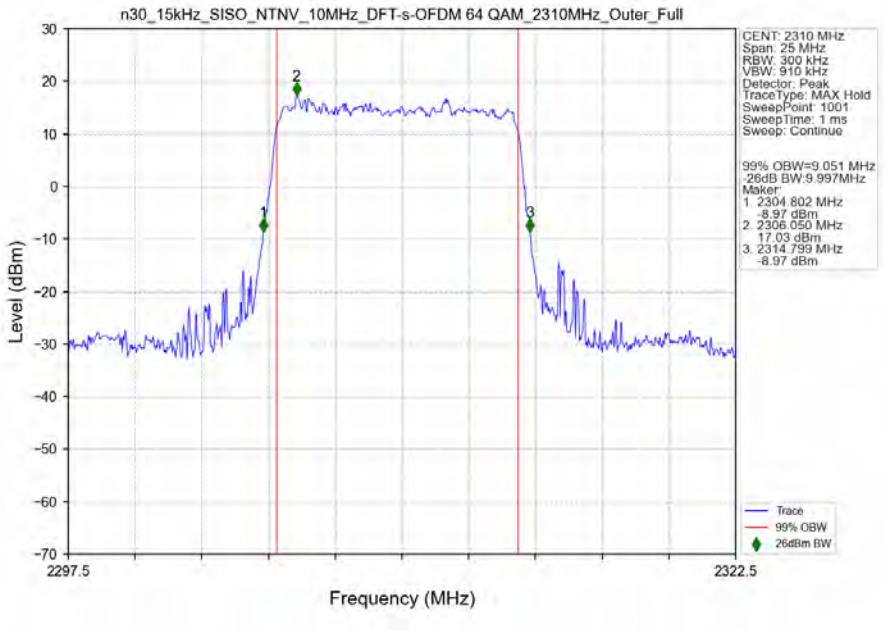
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Outer_Full_Ant2



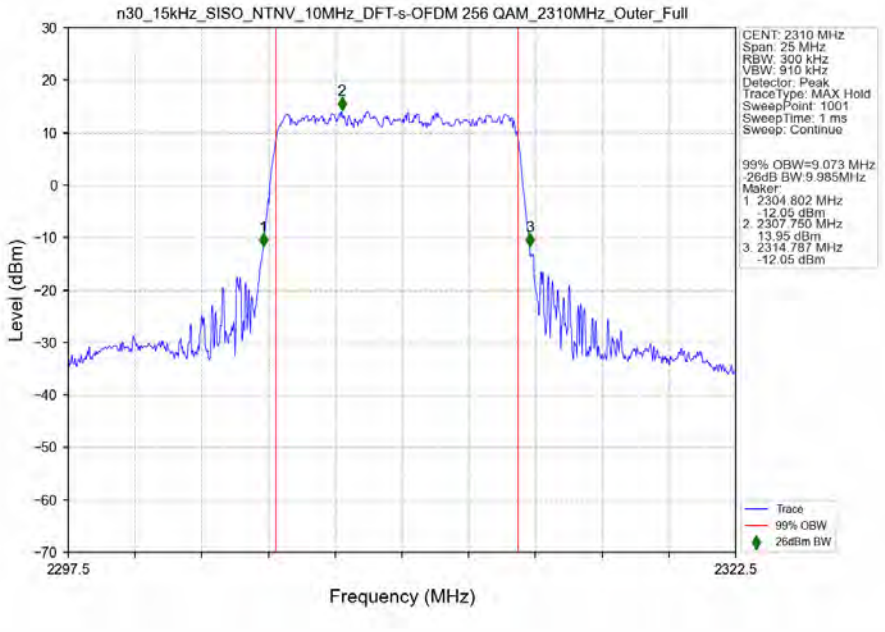
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_2310MHz_Outer_Full_Ant2



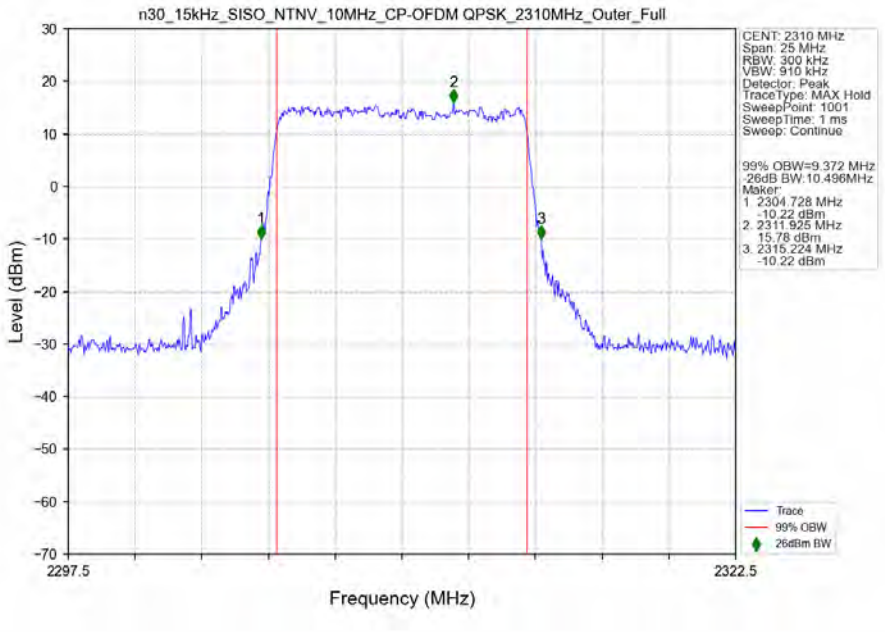
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_2310MHz_Outer_Full_Ant2



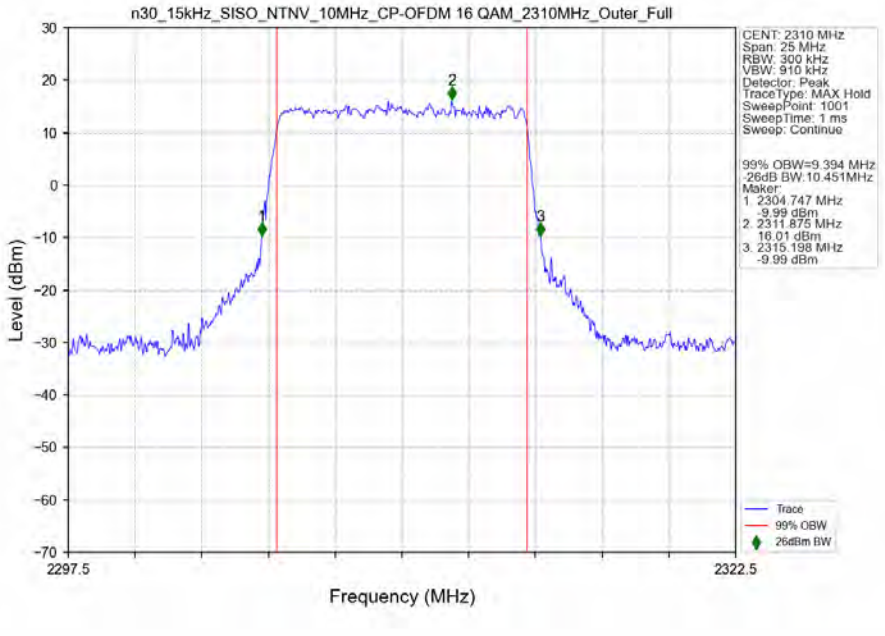
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_2310MHz_Outer_Full_Ant2



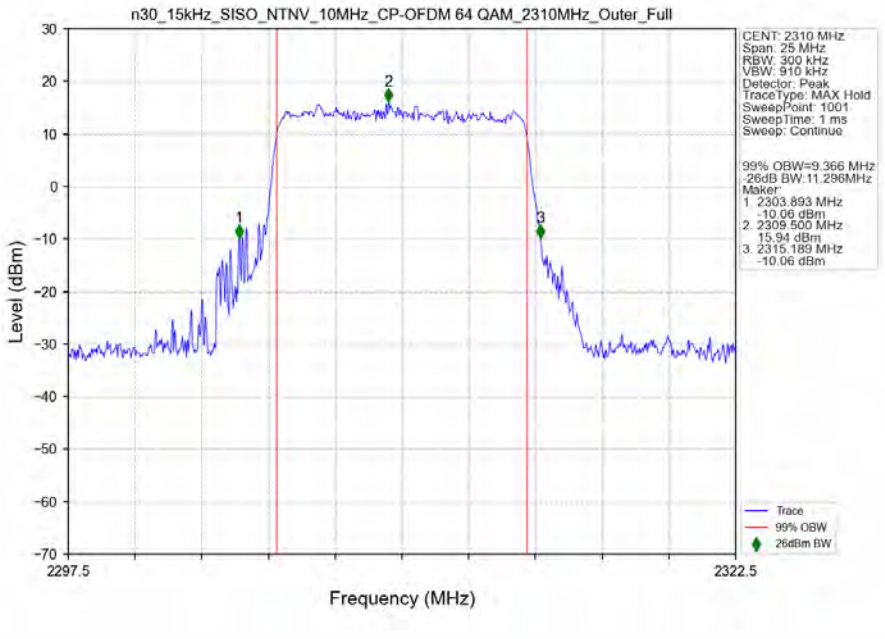
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2310MHz_Outer_Full_Ant2



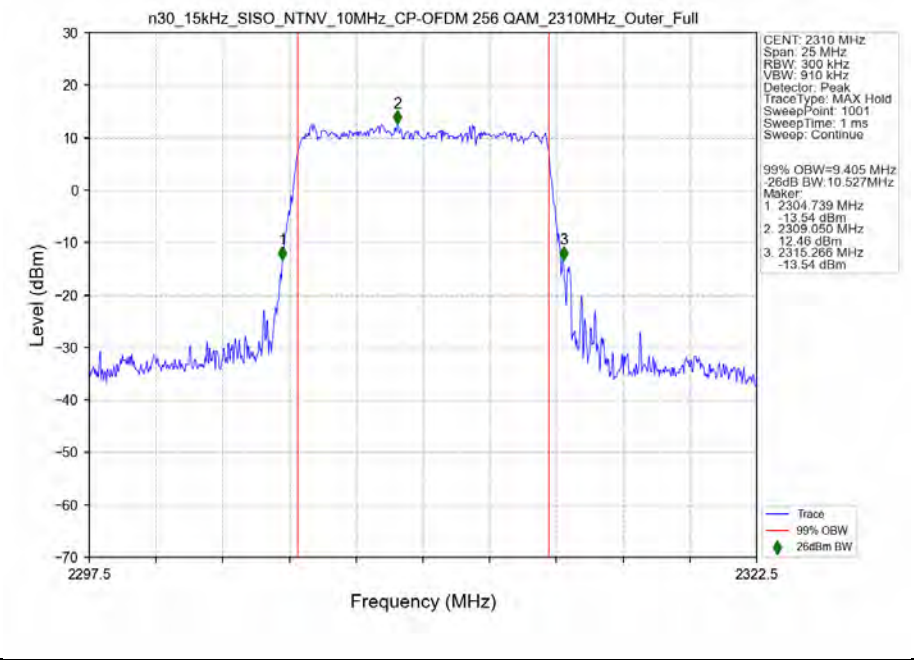
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_2310MHz_Outer_Full_Ant2



n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_2310MHz_Outer_Full_Ant2



n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_2310MHz_Outer_Full_Ant2



4. Peak-Average Ratio

4.1 Test Result

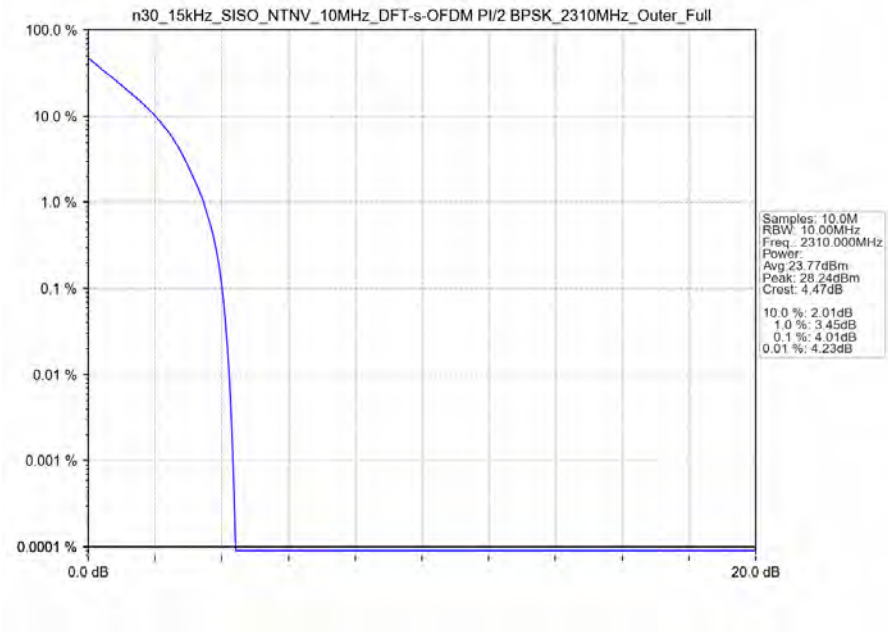
4.1.1 15k_SISO_10MHz_NTNV

5G NR n30 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Outer_Full	4.01	/	/	<=13	Pass
DFT-s-OFDM QPSK	2310	Outer_Full	4.49	/	/	<=13	Pass
CP-OFDM QPSK	2310	Outer_Full	6.71	/	/	<=13	Pass

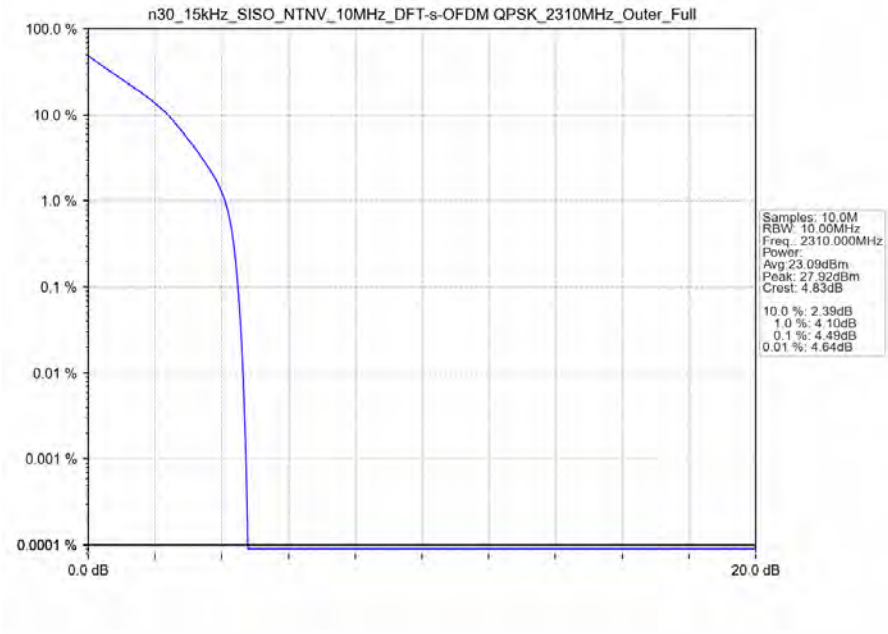
4.2 Test Graph

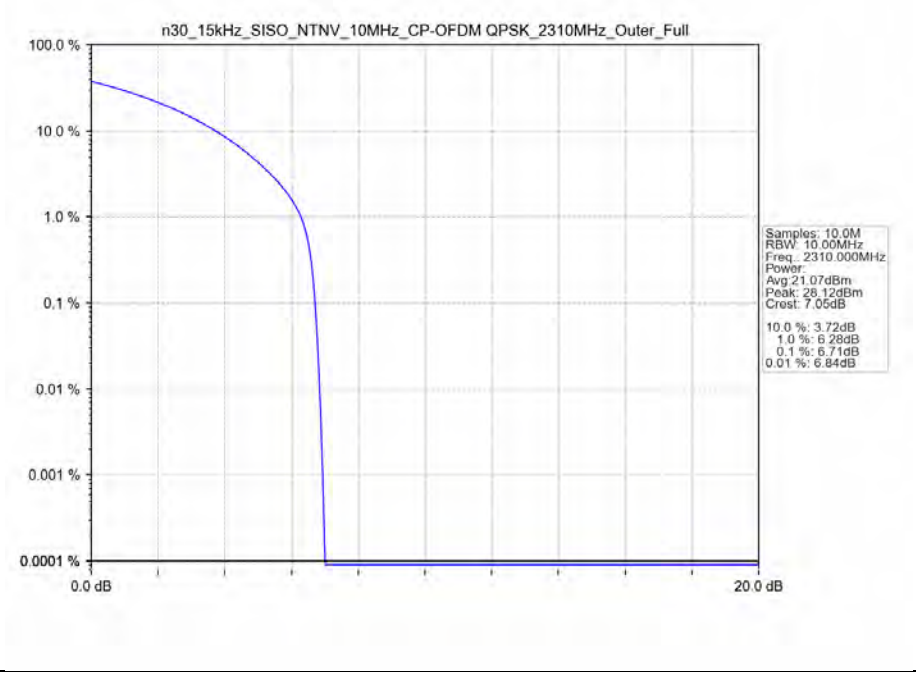
4.2.1 15k_SISO_10MHz_NTNV

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Outer_Full_Ant2



n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Outer_Full_Ant2



n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2310MHz_Outer_Full_Ant2


5. Spurious Emission

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n30 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2307.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2310	Edge_1RB_Left	Refer To Test Graph				Pass
	2312.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2307.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2310	Edge_1RB_Left	Refer To Test Graph				Pass
	2312.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	2307.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2310	Edge_1RB_Left	Refer To Test Graph				Pass
	2312.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

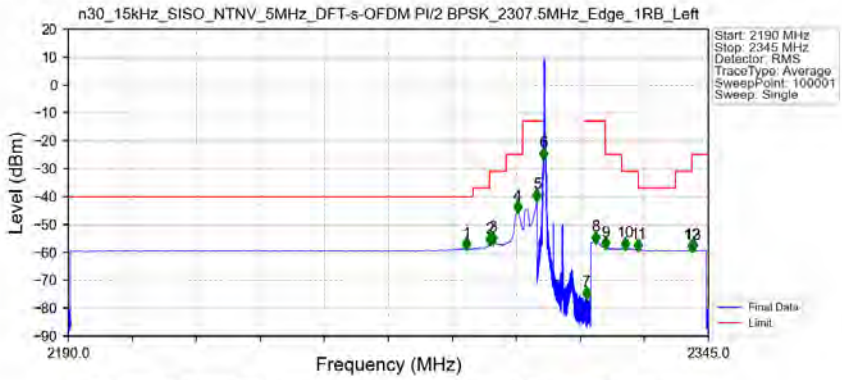
5.1.2 15k_SISO_10MHz_NTNV

5G NR n30 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	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
DFT-s-OFDM QPSK	2310	Edge_1RB_Left	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

5.2 Test Graph

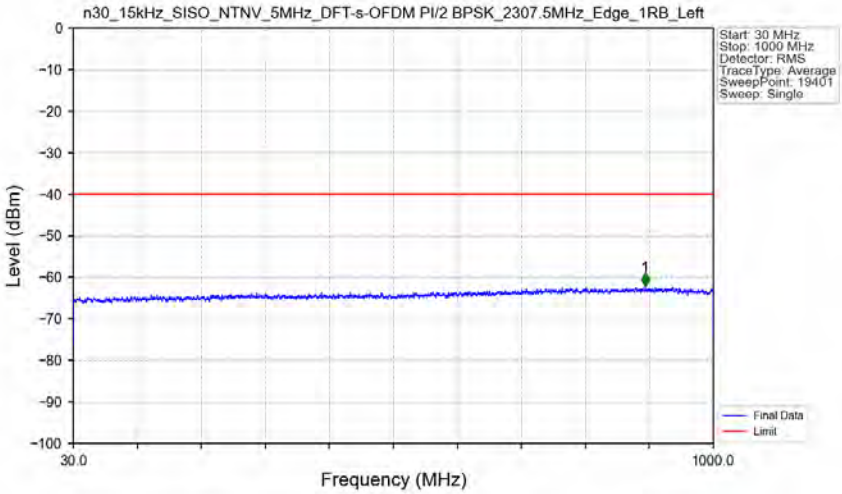
5.2.1 15k_SISO_5MHz_NTNV

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2307.5MHz_Edge_1RB_Left_Ant2



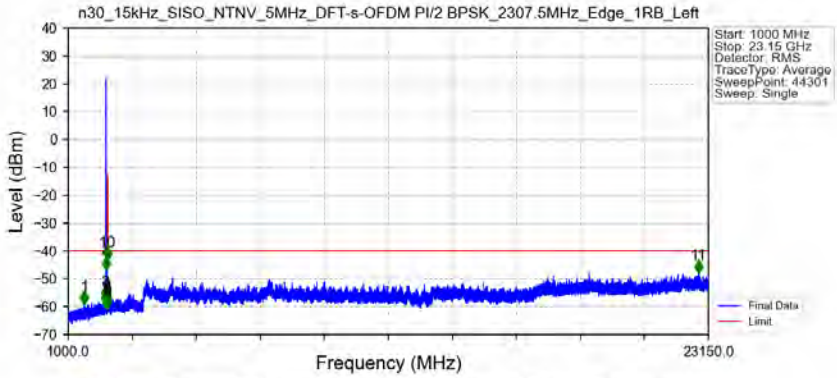
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2286.458	-58.69	-40	Pass
2288	2292	1	CHP	2	2291.996	-57.07	-37	Pass
2292	2296	1	CHP	3	2292.774	-56.63	-31	Pass
2296	2300	1	CHP	4	2298.794	-45.37	-25	Pass
2300	2304	1	CHP	5	2303.499	-41.16	-13	Pass
2304	2305	0.003	/	6	2304.993	-26.22	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.539	-76.22	-13	Pass
2316	2320	1	CHP	8	2317.760	-56.30	-13	Pass
2320	2324	1	CHP	9	2320.022	-58.41	-25	Pass
2324	2328	1	CHP	10	2324.844	-58.54	-31	Pass
2328	2337	1	CHP	11	2328.001	-59.04	-37	Pass
2337	2341	1	CHP	12	2340.996	-59.29	-31	Pass
2341	2345	1	CHP	13	2341.288	-59.23	-25	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2307.5MHz_Edge_1RB_Left_Ant2



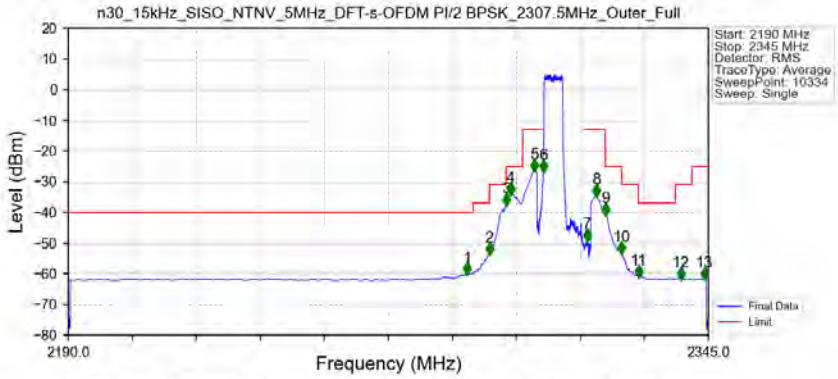
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	896.350	-62.14	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2307.5MHz_Edge_1RB_Left_Ant2



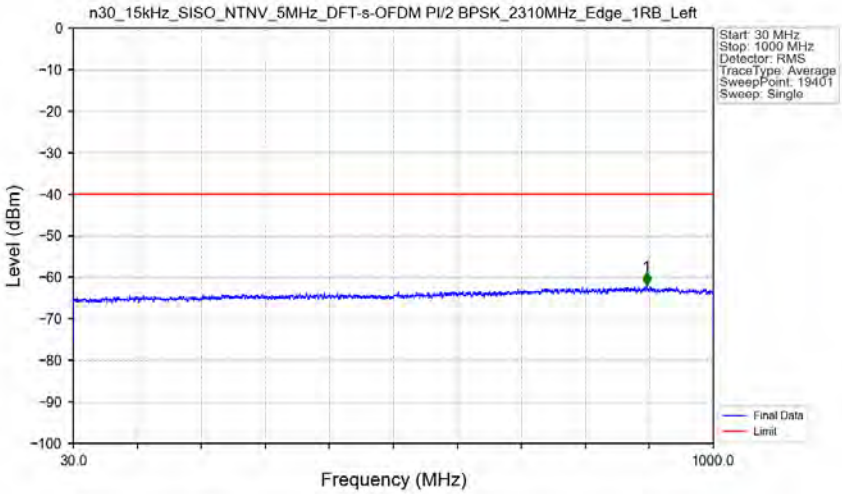
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	1555.500	-58.37	-40	Pass
2288	2292	1	/	2	2291.500	-58.47	-37	Pass
2292	2296	1	/	3	2292.500	-56.78	-31	Pass
2296	2300	1	/	4	2299.000	-46.24	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2320.500	-59.62	-25	Pass
2324	2328	1	/	6	2325.500	-58.22	-31	Pass
2328	2337	1	/	7	2332.500	-59.33	-37	Pass
2337	2341	1	/	8	2341.000	-60.42	-31	Pass
2341	2345	1	/	9	2344.000	-59.74	-25	Pass
2345	2365	1	/	10	2354.000	-42.73	-13	Pass
2365	23150	1	/	11	22806.500	-47.28	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2307.5MHz_Outer_Full_Ant2



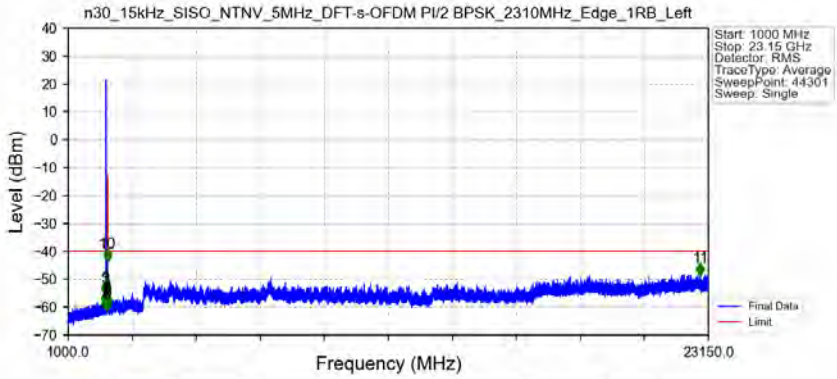
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2286.588	-59.97	-40	Pass
2288	2292	1	CHP	2	2291.988	-53.46	-37	Pass
2292	2296	1	CHP	3	2295.993	-37.34	-31	Pass
2296	2300	1	CHP	4	2297.118	-33.81	-25	Pass
2300	2304	1	CHP	5	2302.924	-26.23	-13	Pass
2304	2305	0.05319	CHP	6	2304.994	-26.52	-13	Pass
2305	2315	0.05319	CHP	/	/	/	/	/
2315	2316	0.05319	CHP	7	2315.689	-49.04	-13	Pass
2316	2320	1	CHP	8	2317.834	-34.41	-13	Pass
2320	2324	1	CHP	9	2320.009	-40.59	-25	Pass
2324	2328	1	CHP	10	2324.014	-53.22	-31	Pass
2328	2337	1	CHP	11	2328.124	-60.84	-37	Pass
2337	2341	1	CHP	12	2338.325	-61.50	-31	Pass
2341	2345	1	CHP	13	2344.025	-61.57	-25	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Edge_1RB_Left_Ant2



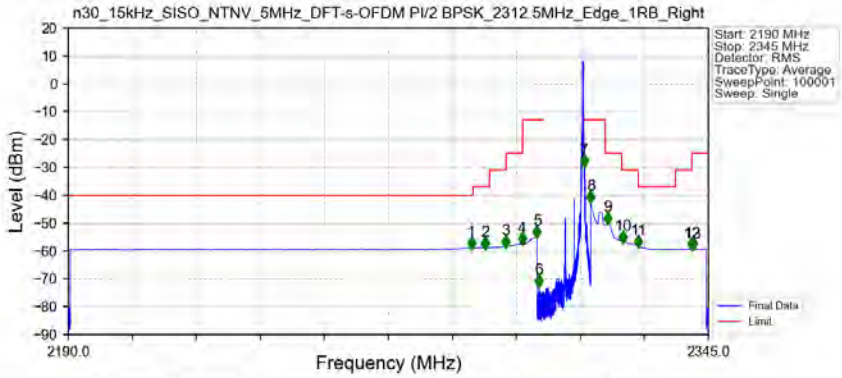
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	899.050	-61.79	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Edge_1RB_Left_Ant2



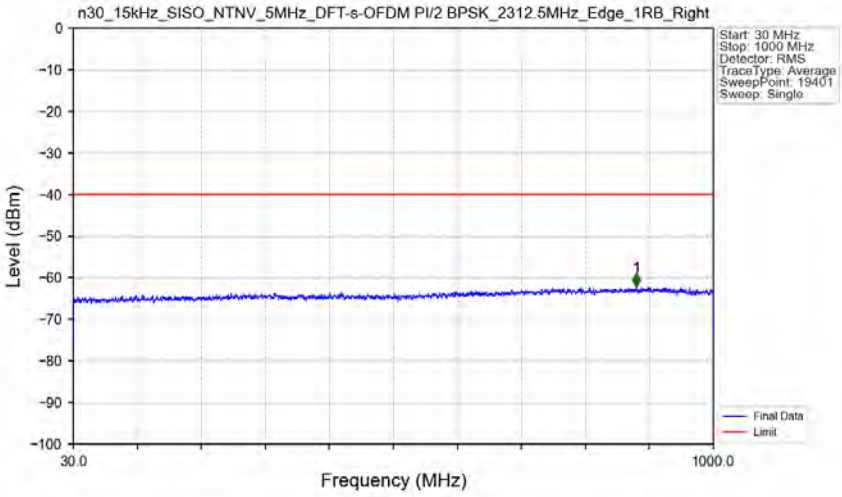
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2288.000	-58.31	-40	Pass
2288	2292	1	/	2	2288.500	-59.93	-37	Pass
2292	2296	1	/	3	2294.500	-55.29	-31	Pass
2296	2300	1	/	4	2299.500	-54.04	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2323.500	-58.74	-25	Pass
2324	2328	1	/	6	2324.500	-59.03	-31	Pass
2328	2337	1	/	7	2332.500	-59.43	-37	Pass
2337	2341	1	/	8	2339.000	-60.31	-31	Pass
2341	2345	1	/	9	2345.000	-60.73	-25	Pass
2345	2365	1	/	10	2356.000	-42.94	-13	Pass
2365	23150	1	/	11	22870.500	-48.01	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2312.5MHz_Edge_1RB_Right_Ant2



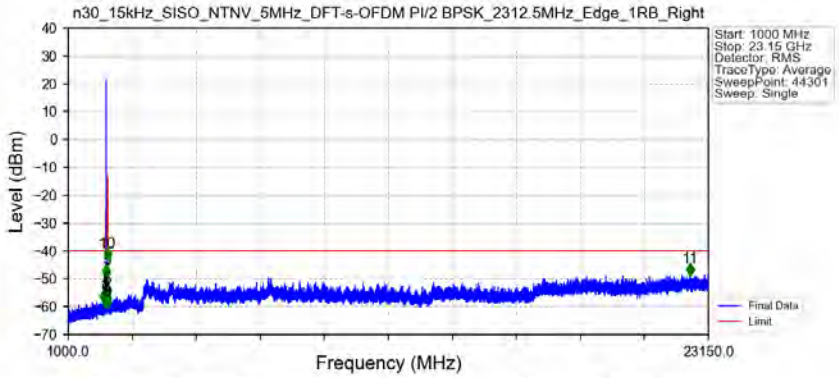
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.656	-58.89	-40	Pass
2288	2292	1	CHP	2	2290.897	-58.78	-37	Pass
2292	2296	1	CHP	3	2295.882	-58.29	-31	Pass
2296	2300	1	CHP	4	2299.904	-57.38	-25	Pass
2300	2304	1	CHP	5	2303.496	-54.67	-13	Pass
2304	2305	0.003	/	6	2304.037	-72.48	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.003	-29.39	-13	Pass
2316	2320	1	CHP	8	2316.500	-42.23	-13	Pass
2320	2324	1	CHP	9	2320.620	-49.89	-25	Pass
2324	2328	1	CHP	10	2324.377	-56.70	-31	Pass
2328	2337	1	CHP	11	2328.001	-58.31	-37	Pass
2337	2341	1	CHP	12	2340.990	-59.27	-31	Pass
2341	2345	1	CHP	13	2341.292	-59.24	-25	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2312.5MHz_Edge_1RB_Right_Ant2



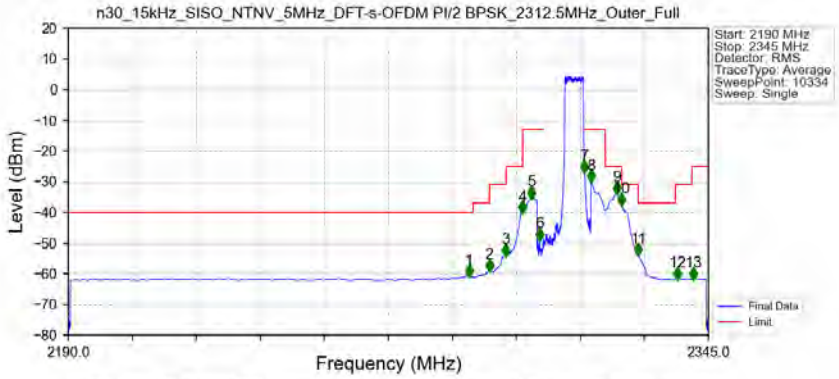
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	883.150	-62.04	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2312.5MHz_Edge_1RB_Right_Ant2



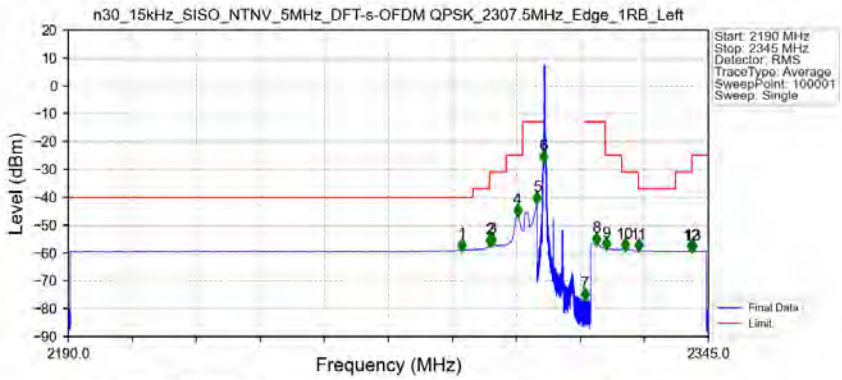
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2243.000	-57.82	-40	Pass
2288	2292	1	/	2	2290.500	-59.04	-37	Pass
2292	2296	1	/	3	2295.500	-58.17	-31	Pass
2296	2300	1	/	4	2296.500	-57.85	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2321.000	-48.91	-25	Pass
2324	2328	1	/	6	2325.000	-55.75	-31	Pass
2328	2337	1	/	7	2332.000	-58.74	-37	Pass
2337	2341	1	/	8	2337.500	-60.11	-31	Pass
2341	2345	1	/	9	2341.500	-60.03	-25	Pass
2345	2365	1	/	10	2358.000	-42.90	-13	Pass
2365	23150	1	/	11	22514.500	-48.30	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2312.5MHz_Outer_Full_Ant2



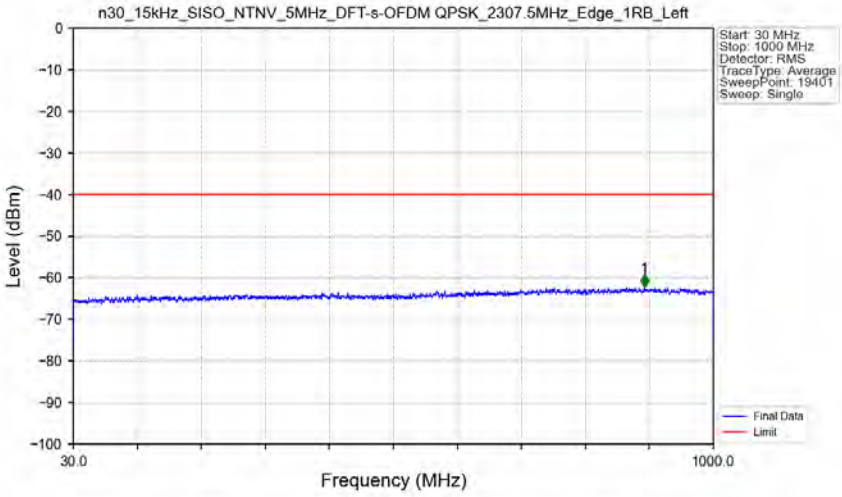
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.098	-60.67	-40	Pass
2288	2292	1	CHP	2	2291.973	-58.84	-37	Pass
2292	2296	1	CHP	3	2295.858	-53.87	-31	Pass
2296	2300	1	CHP	4	2299.999	-39.96	-25	Pass
2300	2304	1	CHP	5	2302.099	-35.06	-13	Pass
2304	2305	0.0514	CHP	6	2304.109	-48.70	-13	Pass
2305	2315	0.0514	CHP	/	/	/	/	/
2315	2316	0.0514	CHP	7	2315.014	-26.66	-13	Pass
2316	2320	1	CHP	8	2316.514	-29.83	-13	Pass
2320	2324	1	CHP	9	2322.859	-33.69	-25	Pass
2324	2328	1	CHP	10	2324.014	-37.37	-31	Pass
2328	2337	1	CHP	11	2328.049	-53.80	-37	Pass
2337	2341	1	CHP	12	2337.485	-61.57	-31	Pass
2341	2345	1	CHP	13	2341.355	-61.47	-25	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2307.5MHz_Edge_1RB_Left_Ant2



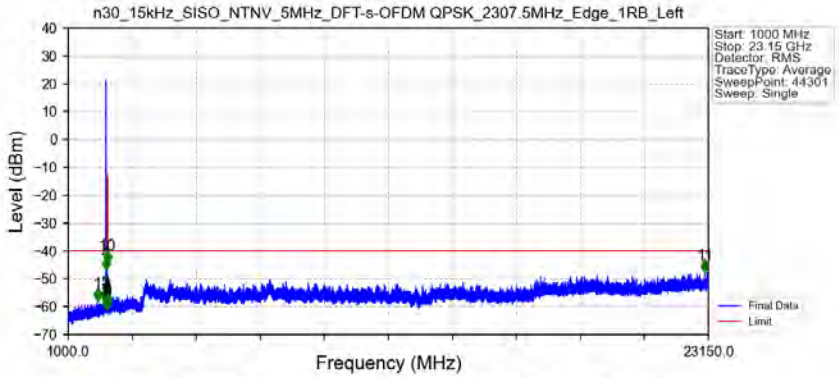
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2285.359	-58.76	-40	Pass
2288	2292	1	CHP	2	2291.999	-57.30	-37	Pass
2292	2296	1	CHP	3	2292.536	-56.99	-31	Pass
2296	2300	1	CHP	4	2298.770	-46.43	-25	Pass
2300	2304	1	CHP	5	2303.499	-41.94	-13	Pass
2304	2305	0.003	/	6	2304.988	-27.03	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.101	-76.53	-13	Pass
2316	2320	1	CHP	8	2317.863	-56.76	-13	Pass
2320	2324	1	CHP	9	2320.177	-58.45	-25	Pass
2324	2328	1	CHP	10	2324.762	-58.67	-31	Pass
2328	2337	1	CHP	11	2328.165	-58.99	-37	Pass
2337	2341	1	CHP	12	2340.826	-59.25	-31	Pass
2341	2345	1	CHP	13	2341.150	-59.26	-25	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2307.5MHz_Edge_1RB_Left_Ant2



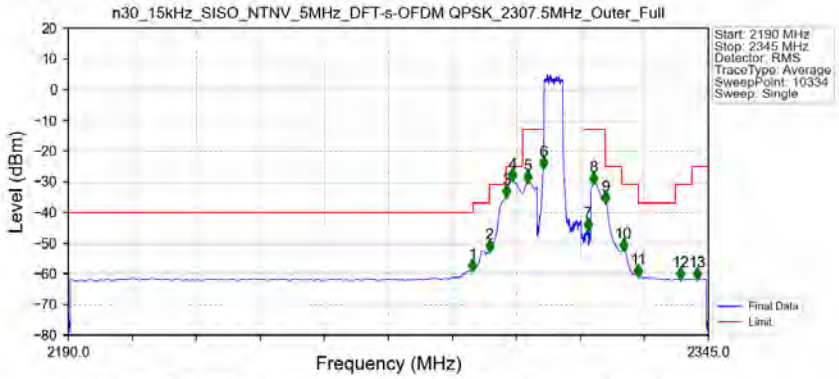
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	895.550	-62.21	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2307.5MHz_Edge_1RB_Left_Ant2



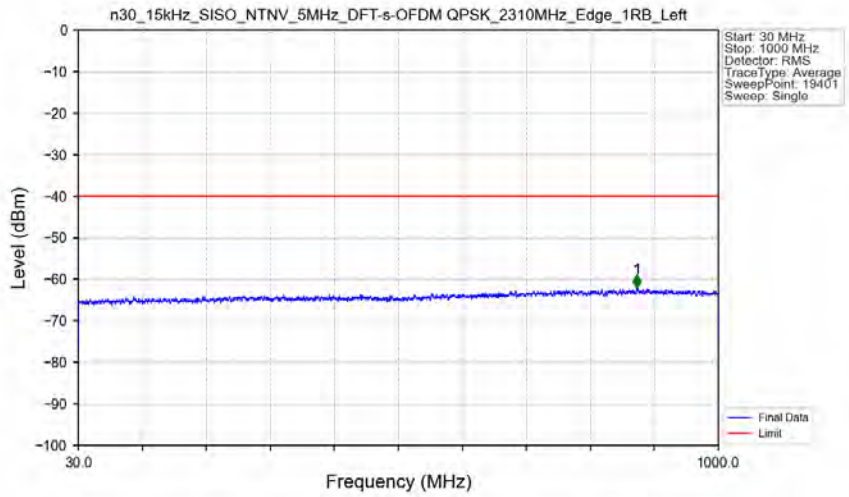
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2008.500	-57.28	-40	Pass
2288	2292	1	/	2	2292.000	-57.63	-37	Pass
2292	2296	1	/	3	2295.000	-56.69	-31	Pass
2296	2300	1	/	4	2298.500	-46.32	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2323.000	-58.57	-25	Pass
2324	2328	1	/	6	2324.500	-59.86	-31	Pass
2328	2337	1	/	7	2330.000	-59.55	-37	Pass
2337	2341	1	/	8	2340.500	-59.06	-31	Pass
2341	2345	1	/	9	2342.000	-60.66	-25	Pass
2345	2365	1	/	10	2353.500	-43.65	-13	Pass
2365	23150	1	/	11	23027.500	-47.14	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2307.5MHz_Outer_Full_Ant2



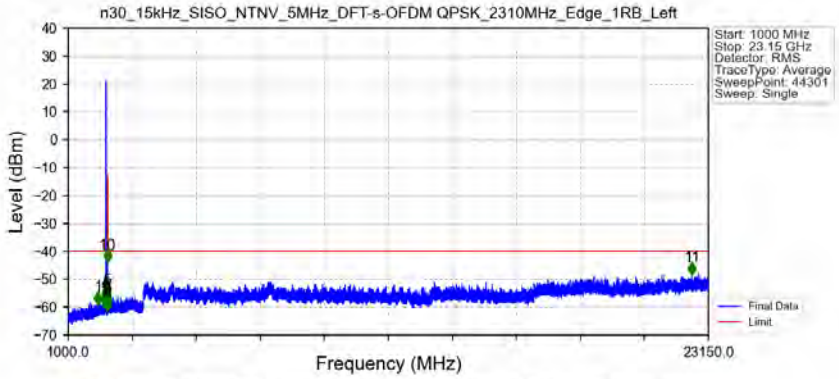
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.923	-58.78	-40	Pass
2288	2292	1	CHP	2	2291.988	-52.48	-37	Pass
2292	2296	1	CHP	3	2295.993	-34.60	-31	Pass
2296	2300	1	CHP	4	2297.568	-29.35	-25	Pass
2300	2304	1	CHP	5	2301.274	-30.02	-13	Pass
2304	2305	0.05319	CHP	6	2304.994	-25.36	-13	Pass
2305	2315	0.05319	CHP	/	/	/	/	/
2315	2316	0.05319	CHP	7	2315.839	-45.55	-13	Pass
2316	2320	1	CHP	8	2317.219	-30.42	-13	Pass
2320	2324	1	CHP	9	2320.009	-36.70	-25	Pass
2324	2328	1	CHP	10	2324.434	-52.16	-31	Pass
2328	2337	1	CHP	11	2328.004	-60.52	-37	Pass
2337	2341	1	CHP	12	2338.205	-61.62	-31	Pass
2341	2345	1	CHP	13	2342.255	-61.54	-25	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2310MHz_Edge_1RB_Left_Ant2



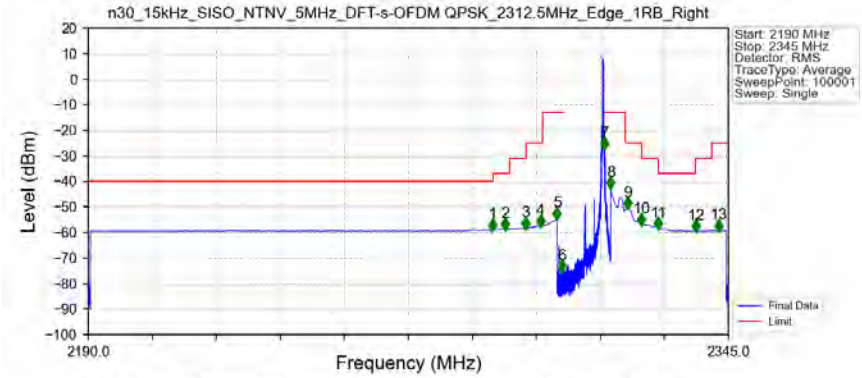
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	876.300	-62.14	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2310MHz_Edge_1RB_Left_Ant2



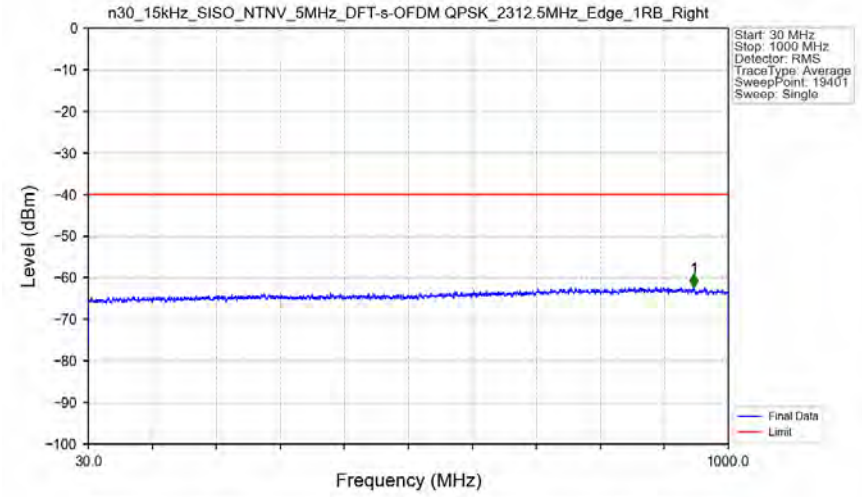
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2033.500	-58.42	-40	Pass
2288	2292	1	/	2	2291.500	-59.58	-37	Pass
2292	2296	1	/	3	2295.500	-58.39	-31	Pass
2296	2300	1	/	4	2298.500	-56.76	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2321.000	-55.97	-25	Pass
2324	2328	1	/	6	2324.500	-58.45	-31	Pass
2328	2337	1	/	7	2334.000	-59.64	-37	Pass
2337	2341	1	/	8	2338.000	-61.00	-31	Pass
2341	2345	1	/	9	2344.000	-59.54	-25	Pass
2345	2365	1	/	10	2356.500	-43.34	-13	Pass
2365	23150	1	/	11	22581.000	-47.75	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2312.5MHz_Edge_1RB_Right_Ant2



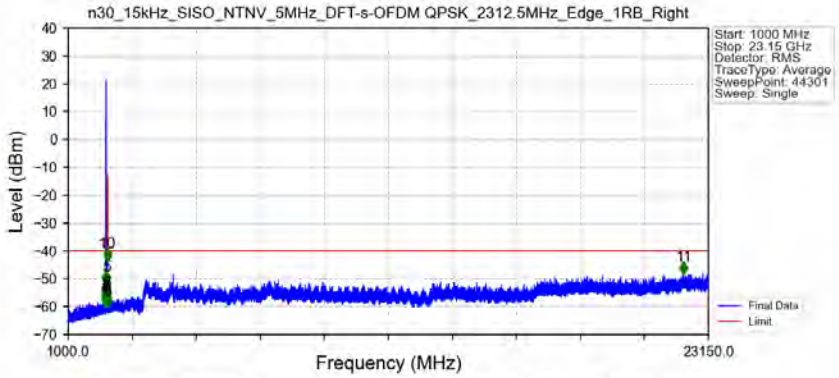
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.889	-58.97	-40	Pass
2288	2292	1	CHP	2	2291.003	-58.63	-37	Pass
2292	2296	1	CHP	3	2295.978	-58.30	-31	Pass
2296	2300	1	CHP	4	2299.526	-57.45	-25	Pass
2300	2304	1	CHP	5	2303.499	-54.50	-13	Pass
2304	2305	0.003	/	6	2304.619	-75.03	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.020	-27.06	-13	Pass
2316	2320	1	CHP	8	2316.500	-42.48	-13	Pass
2320	2324	1	CHP	9	2320.612	-50.49	-25	Pass
2324	2328	1	CHP	10	2324.001	-56.83	-31	Pass
2328	2337	1	CHP	11	2328.051	-58.42	-37	Pass
2337	2341	1	CHP	12	2337.138	-59.30	-31	Pass
2341	2345	1	CHP	13	2342.642	-59.27	-25	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2312.5MHz_Edge_1RB_Right_Ant2



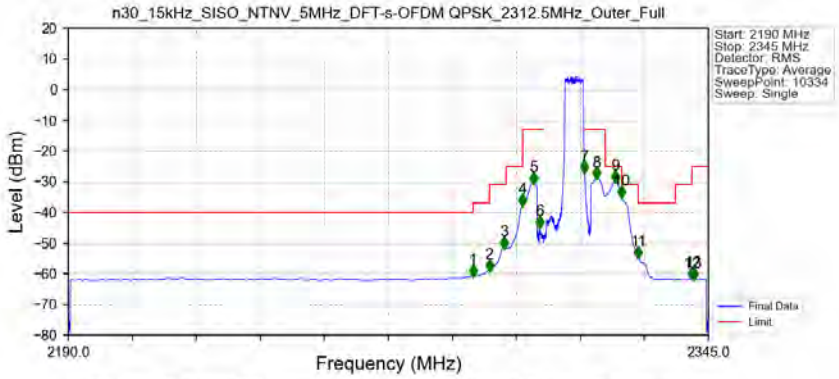
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	947.800	-62.19	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2312.5MHz_Edge_1RB_Right_Ant2



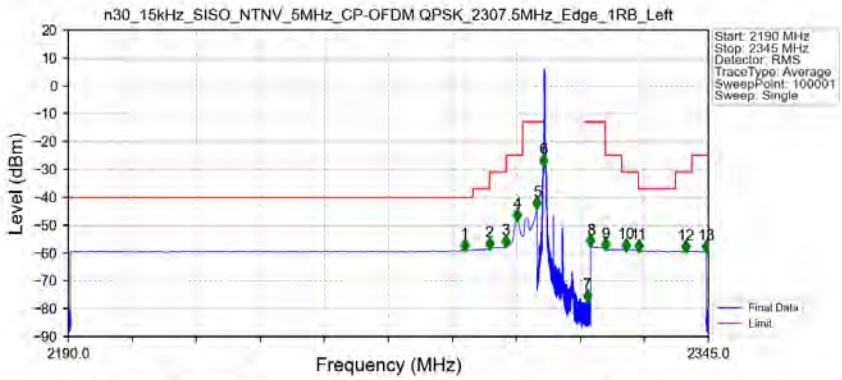
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2285.500	-55.34	-40	Pass
2288	2292	1	/	2	2289.000	-58.88	-37	Pass
2292	2296	1	/	3	2295.000	-57.58	-31	Pass
2296	2300	1	/	4	2299.000	-58.63	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2321.000	-51.17	-25	Pass
2324	2328	1	/	6	2325.000	-56.87	-31	Pass
2328	2337	1	/	7	2328.500	-58.28	-37	Pass
2337	2341	1	/	8	2338.000	-59.59	-31	Pass
2341	2345	1	/	9	2342.500	-60.07	-25	Pass
2345	2365	1	/	10	2357.500	-42.95	-13	Pass
2365	23150	1	/	11	22291.000	-47.83	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2312.5MHz_Outer_Full_Ant2



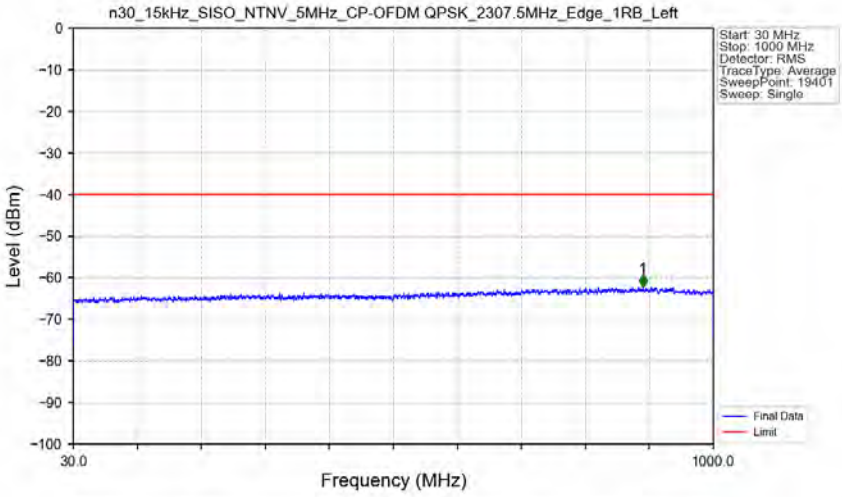
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.938	-60.53	-40	Pass
2288	2292	1	CHP	2	2291.988	-58.77	-37	Pass
2292	2296	1	CHP	3	2295.468	-51.34	-31	Pass
2296	2300	1	CHP	4	2299.999	-37.51	-25	Pass
2300	2304	1	CHP	5	2302.744	-30.38	-13	Pass
2304	2305	0.0514	CHP	6	2304.094	-44.78	-13	Pass
2305	2315	0.0514	CHP	/	/	/	/	/
2315	2316	0.0514	CHP	7	2315.014	-26.84	-13	Pass
2316	2320	1	CHP	8	2317.804	-28.84	-13	Pass
2320	2324	1	CHP	9	2322.529	-29.90	-25	Pass
2324	2328	1	CHP	10	2324.014	-34.80	-31	Pass
2328	2337	1	CHP	11	2328.004	-54.66	-37	Pass
2337	2341	1	CHP	12	2340.980	-61.70	-31	Pass
2341	2345	1	CHP	13	2341.475	-61.58	-25	Pass

n30_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2307.5MHz_Edge_1RB_Left_Ant2



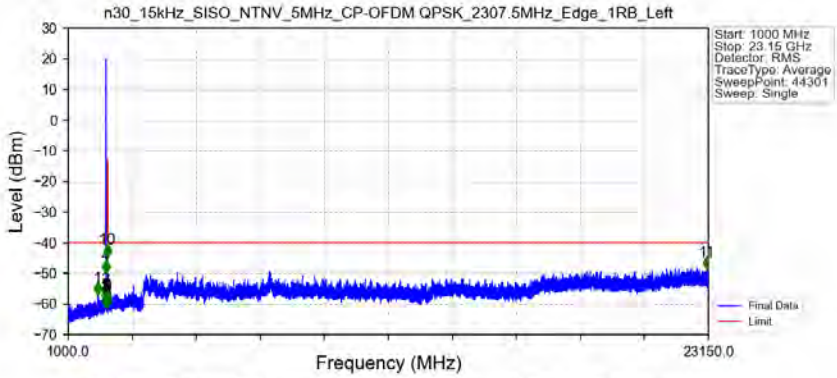
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2285.985	-58.85	-40	Pass
2288	2292	1	CHP	2	2291.990	-58.22	-37	Pass
2292	2296	1	CHP	3	2295.960	-57.52	-31	Pass
2296	2300	1	CHP	4	2298.661	-48.01	-25	Pass
2300	2304	1	CHP	5	2303.499	-43.79	-13	Pass
2304	2305	0.003	/	6	2304.991	-28.45	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.682	-77.10	-13	Pass
2316	2320	1	CHP	8	2316.500	-57.36	-13	Pass
2320	2324	1	CHP	9	2320.000	-58.69	-25	Pass
2324	2328	1	CHP	10	2325.010	-58.74	-31	Pass
2328	2337	1	CHP	11	2328.054	-59.19	-37	Pass
2337	2341	1	CHP	12	2339.589	-59.31	-31	Pass
2341	2345	1	CHP	13	2344.485	-59.32	-25	Pass

n30_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2307.5MHz_Edge_1RB_Left_Ant2



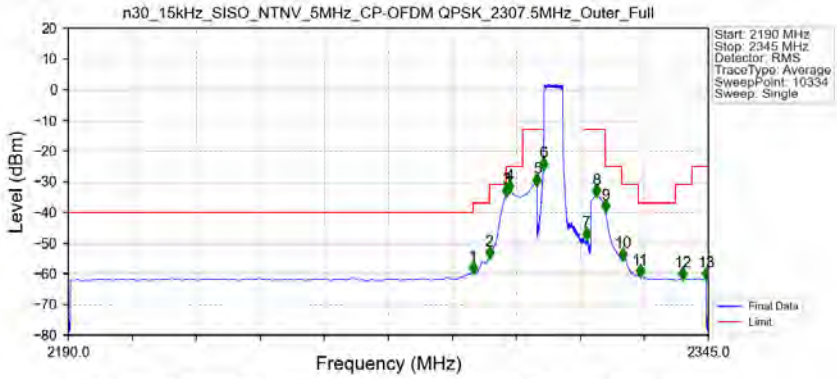
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	893.000	-62.18	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2307.5MHz_Edge_1RB_Left_Ant2



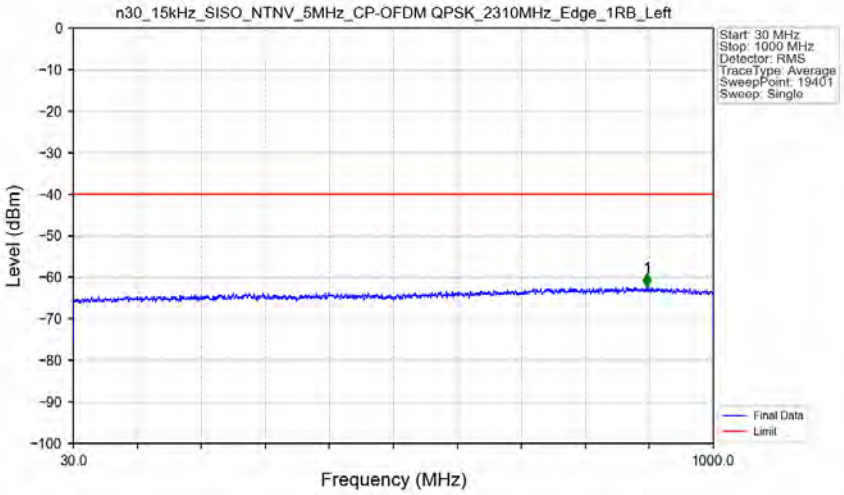
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2022.000	-56.59	-40	Pass
2288	2292	1	/	2	2292.000	-57.06	-37	Pass
2292	2296	1	/	3	2293.500	-58.82	-31	Pass
2296	2300	1	/	4	2298.500	-49.32	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2322.500	-59.43	-25	Pass
2324	2328	1	/	6	2325.500	-59.21	-31	Pass
2328	2337	1	/	7	2337.000	-59.01	-37	Pass
2337	2341	1	/	8	2338.000	-60.99	-31	Pass
2341	2345	1	/	9	2345.000	-59.17	-25	Pass
2345	2365	1	/	10	2351.500	-44.08	-13	Pass
2365	23150	1	/	11	23101.500	-48.19	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2307.5MHz_Outer_Full_Ant2



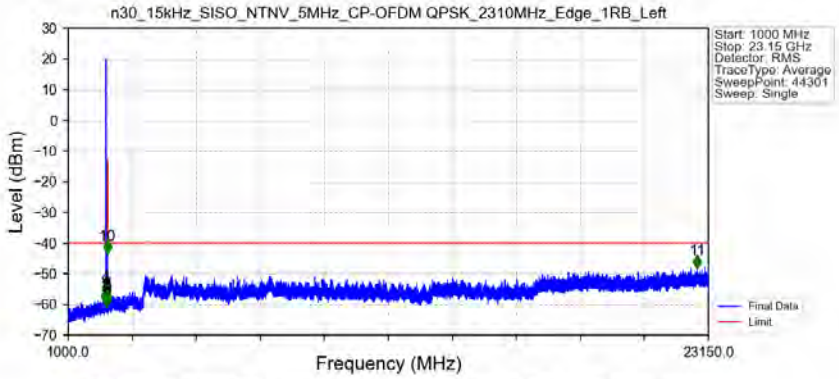
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.953	-59.59	-40	Pass
2288	2292	1	CHP	2	2291.988	-54.55	-37	Pass
2292	2296	1	CHP	3	2295.993	-34.42	-31	Pass
2296	2300	1	CHP	4	2296.863	-33.21	-25	Pass
2300	2304	1	CHP	5	2303.494	-30.85	-13	Pass
2304	2305	0.05281	CHP	6	2304.994	-25.79	-13	Pass
2305	2315	0.05281	CHP	/	/	/	/	/
2315	2316	0.05281	CHP	7	2315.539	-48.41	-13	Pass
2316	2320	1	CHP	8	2317.924	-34.51	-13	Pass
2320	2324	1	CHP	9	2320.009	-39.43	-25	Pass
2324	2328	1	CHP	10	2324.344	-55.11	-31	Pass
2328	2337	1	CHP	11	2328.424	-60.65	-37	Pass
2337	2341	1	CHP	12	2338.805	-61.60	-31	Pass
2341	2345	1	CHP	13	2344.490	-61.53	-25	Pass

n30_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2310MHz_Edge_1RB_Left_Ant2



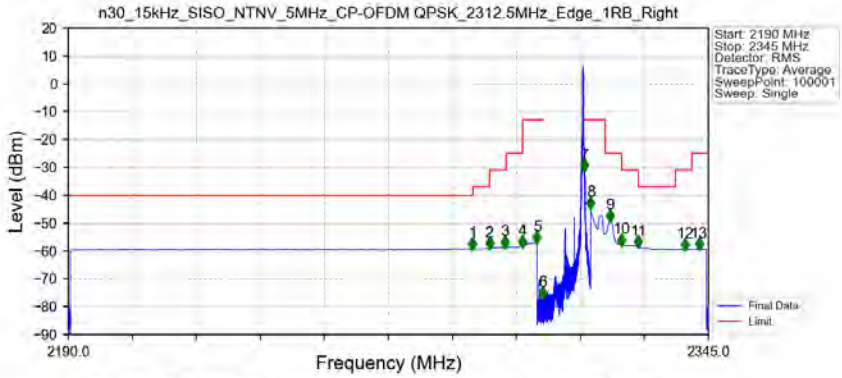
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	899.350	-62.30	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2310MHz_Edge_1RB_Left_Ant2



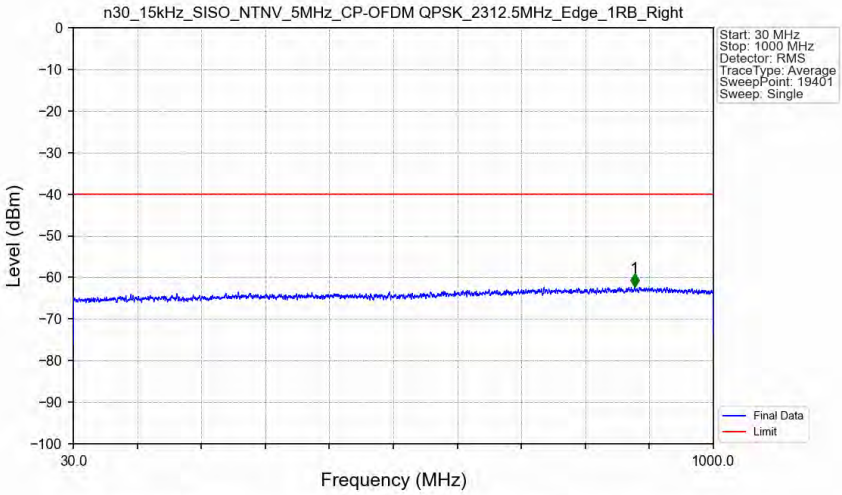
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2284.500	-58.75	-40	Pass
2288	2292	1	/	2	2289.500	-59.10	-37	Pass
2292	2296	1	/	3	2296.000	-58.68	-31	Pass
2296	2300	1	/	4	2299.500	-56.12	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2322.000	-58.53	-25	Pass
2324	2328	1	/	6	2327.000	-58.62	-31	Pass
2328	2337	1	/	7	2333.000	-59.30	-37	Pass
2337	2341	1	/	8	2338.000	-60.16	-31	Pass
2341	2345	1	/	9	2345.000	-60.08	-25	Pass
2345	2365	1	/	10	2356.000	-42.96	-13	Pass
2365	23150	1	/	11	22769.000	-47.58	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2312.5MHz_Edge_1RB_Right_Ant2



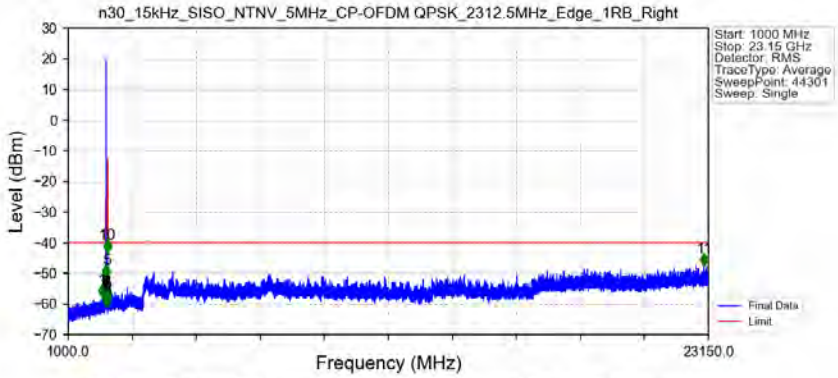
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.900	-59.09	-40	Pass
2288	2292	1	CHP	2	2291.961	-58.97	-37	Pass
2292	2296	1	CHP	3	2295.729	-58.64	-31	Pass
2296	2300	1	CHP	4	2299.986	-58.23	-25	Pass
2300	2304	1	CHP	5	2303.496	-56.85	-13	Pass
2304	2305	0.003	/	6	2304.942	-76.67	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.037	-31.03	-13	Pass
2316	2320	1	CHP	8	2316.500	-44.48	-13	Pass
2320	2324	1	CHP	9	2321.201	-49.05	-25	Pass
2324	2328	1	CHP	10	2324.004	-57.73	-31	Pass
2328	2337	1	CHP	11	2328.001	-58.40	-37	Pass
2337	2341	1	CHP	12	2339.353	-59.31	-31	Pass
2341	2345	1	CHP	13	2342.725	-59.26	-25	Pass

n30_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2312.5MHz_Edge_1RB_Right_Ant2



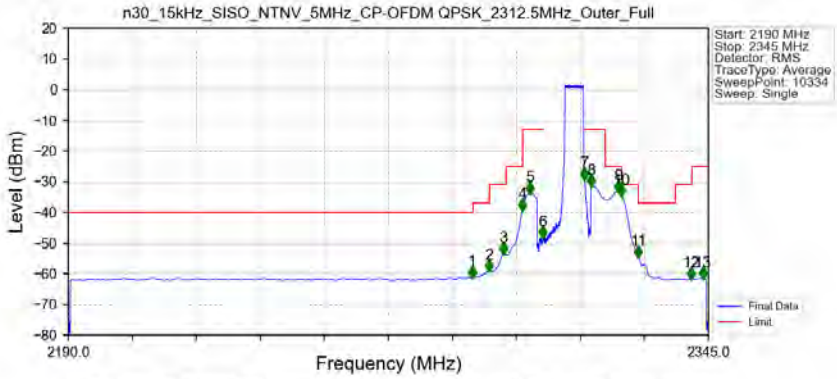
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	880.550	-62.24	-40	Pass

n30_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2312.5MHz_Edge_1RB_Right_Ant2



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2178.500	-57.15	-40	Pass
2288	2292	1	/	2	2291.000	-58.99	-37	Pass
2292	2296	1	/	3	2294.000	-56.80	-31	Pass
2296	2300	1	/	4	2297.500	-57.02	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2320.500	-50.78	-25	Pass
2324	2328	1	/	6	2328.000	-58.17	-31	Pass
2328	2337	1	/	7	2337.000	-58.03	-37	Pass
2337	2341	1	/	8	2337.500	-60.35	-31	Pass
2341	2345	1	/	9	2344.000	-59.19	-25	Pass
2345	2365	1	/	10	2357.000	-42.71	-13	Pass
2365	23150	1	/	11	23000.000	-47.17	-40	Pass

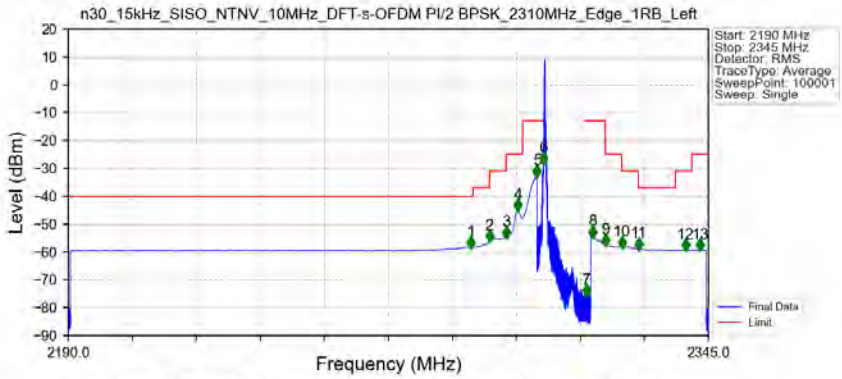
n30_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2312.5MHz_Outer_Full_Ant2



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.803	-61.06	-40	Pass
2288	2292	1	CHP	2	2291.943	-58.95	-37	Pass
2292	2296	1	CHP	3	2295.408	-53.43	-31	Pass
2296	2300	1	CHP	4	2299.999	-39.07	-25	Pass
2300	2304	1	CHP	5	2301.814	-33.56	-13	Pass
2304	2305	0.05238	CHP	6	2304.934	-48.12	-13	Pass
2305	2315	0.05238	CHP	/	/	/	/	/
2315	2316	0.05238	CHP	7	2315.014	-29.01	-13	Pass
2316	2320	1	CHP	8	2316.619	-31.27	-13	Pass
2320	2324	1	CHP	9	2323.189	-33.21	-25	Pass
2324	2328	1	CHP	10	2324.014	-34.51	-31	Pass
2328	2337	1	CHP	11	2328.004	-54.30	-37	Pass
2337	2341	1	CHP	12	2340.845	-61.50	-31	Pass
2341	2345	1	CHP	13	2343.680	-61.42	-25	Pass

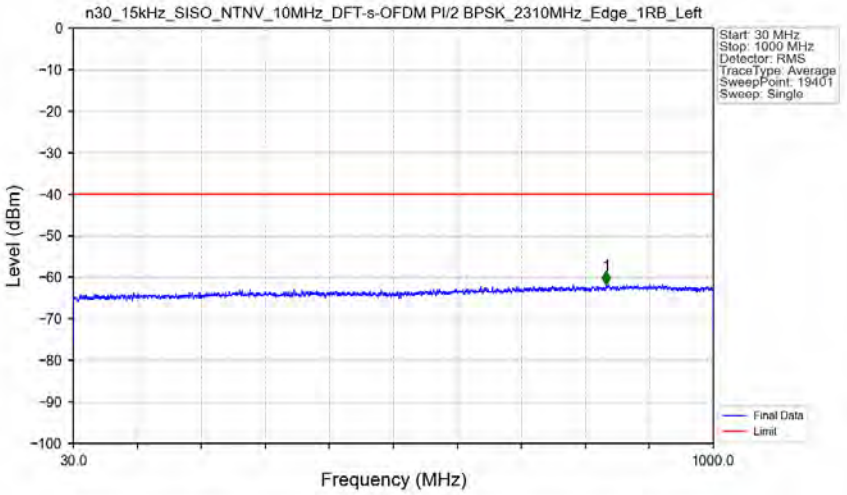
5.2.2 15k_SISO_10MHz_NTNV

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Edge_1RB_Left_Ant2



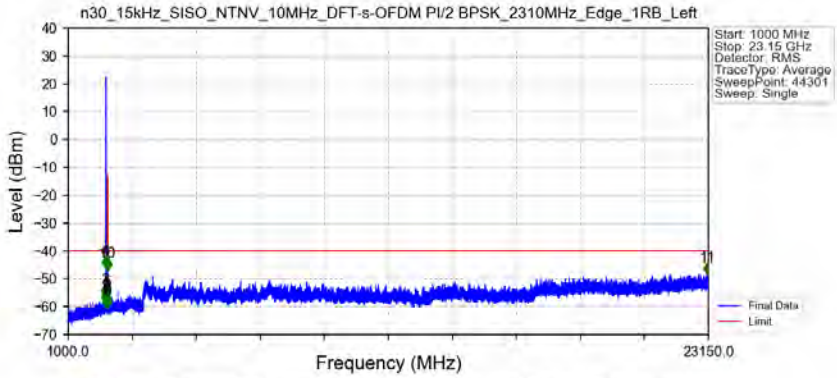
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.524	-58.32	-40	Pass
2288	2292	1	CHP	2	2291.985	-56.02	-37	Pass
2292	2296	1	CHP	3	2296.000	-54.70	-31	Pass
2296	2300	1	CHP	4	2298.844	-44.85	-25	Pass
2300	2304	1	CHP	5	2303.499	-32.84	-13	Pass
2304	2305	0.003	/	6	2304.994	-28.21	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.552	-75.53	-13	Pass
2316	2320	1	CHP	8	2316.888	-54.51	-13	Pass
2320	2324	1	CHP	9	2320.000	-57.55	-25	Pass
2324	2328	1	CHP	10	2324.075	-58.22	-31	Pass
2328	2337	1	CHP	11	2328.125	-58.88	-37	Pass
2337	2341	1	CHP	12	2339.480	-59.23	-31	Pass
2341	2345	1	CHP	13	2343.052	-59.26	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Edge_1RB_Left_Ant2



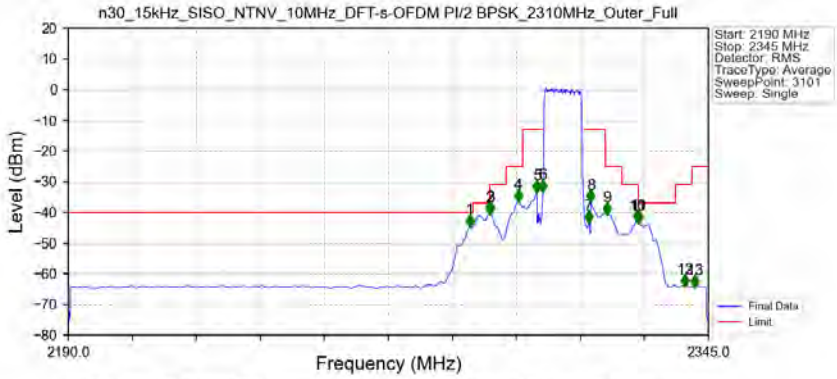
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	837.450	-61.65	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Edge_1RB_Left_Ant2



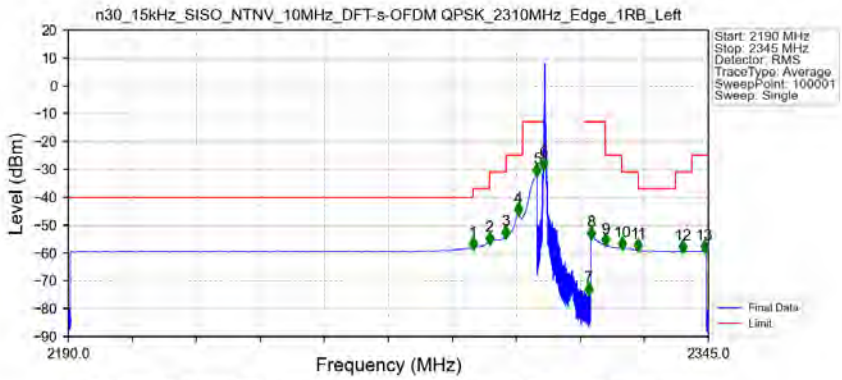
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2287.500	-57.79	-40	Pass
2288	2292	1	/	2	2291.000	-58.18	-37	Pass
2292	2296	1	/	3	2293.000	-56.01	-31	Pass
2296	2300	1	/	4	2299.000	-45.71	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2320.500	-56.75	-25	Pass
2324	2328	1	/	6	2324.500	-59.83	-31	Pass
2328	2337	1	/	7	2332.000	-59.99	-37	Pass
2337	2341	1	/	8	2339.500	-59.05	-31	Pass
2341	2345	1	/	9	2342.000	-59.59	-25	Pass
2345	2365	1	/	10	2353.000	-46.37	-13	Pass
2365	23150	1	/	11	23113.500	-48.07	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Outer_Full_Ant2



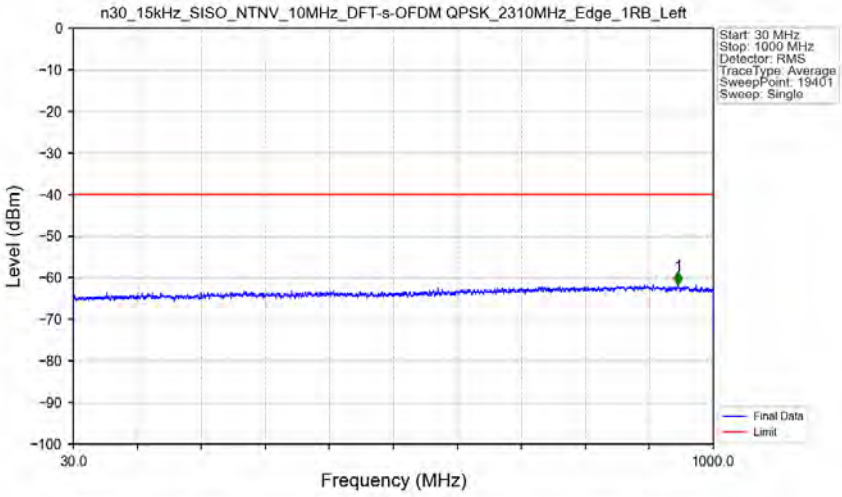
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.250	-44.34	-40	Pass
2288	2292	1	CHP	2	2292.000	-40.17	-37	Pass
2292	2296	1	CHP	3	2292.150	-40.04	-31	Pass
2296	2300	1	CHP	4	2298.950	-36.05	-25	Pass
2300	2304	1	CHP	5	2303.500	-33.15	-13	Pass
2304	2305	0.10014	CHP	6	2304.950	-32.88	-13	Pass
2305	2315	0.10014	CHP	/	/	/	/	/
2315	2316	0.10014	CHP	7	2316.000	-43.11	-13	Pass
2316	2320	1	CHP	8	2316.500	-36.23	-13	Pass
2320	2324	1	CHP	9	2320.450	-40.23	-25	Pass
2324	2328	1	CHP	10	2327.850	-42.93	-31	Pass
2328	2337	1	CHP	11	2328.150	-43.03	-37	Pass
2337	2341	1	CHP	12	2339.300	-63.69	-31	Pass
2341	2345	1	CHP	13	2341.700	-64.01	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Edge_1RB_Left_Ant2



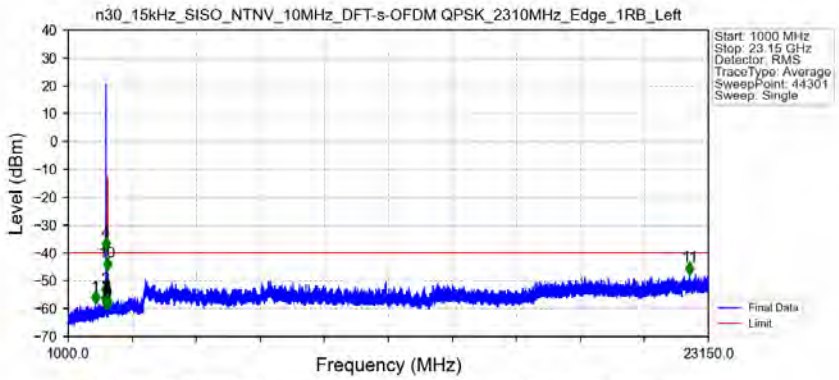
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.986	-58.23	-40	Pass
2288	2292	1	CHP	2	2291.964	-56.30	-37	Pass
2292	2296	1	CHP	3	2295.964	-54.27	-31	Pass
2296	2300	1	CHP	4	2298.993	-46.06	-25	Pass
2300	2304	1	CHP	5	2303.494	-31.93	-13	Pass
2304	2305	0.003	/	6	2304.988	-29.46	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.984	-74.66	-13	Pass
2316	2320	1	CHP	8	2316.525	-54.41	-13	Pass
2320	2324	1	CHP	9	2320.084	-57.09	-25	Pass
2324	2328	1	CHP	10	2324.129	-58.25	-31	Pass
2328	2337	1	CHP	11	2328.046	-58.84	-37	Pass
2337	2341	1	CHP	12	2338.828	-59.32	-31	Pass
2341	2345	1	CHP	13	2343.999	-59.31	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Edge_1RB_Left_Ant2



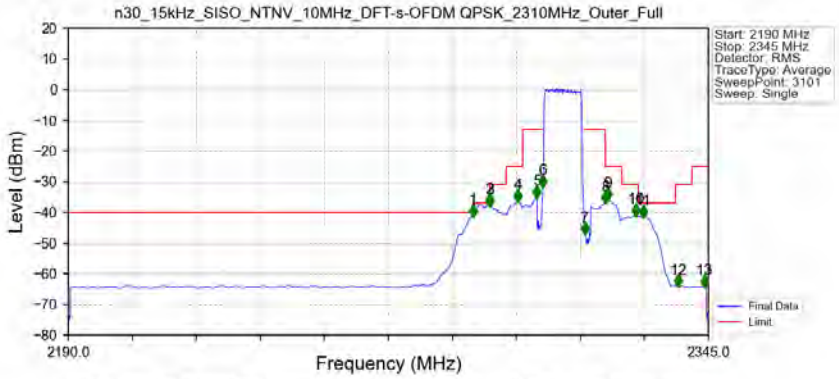
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	946.650	-61.61	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Edge_1RB_Left_Ant2



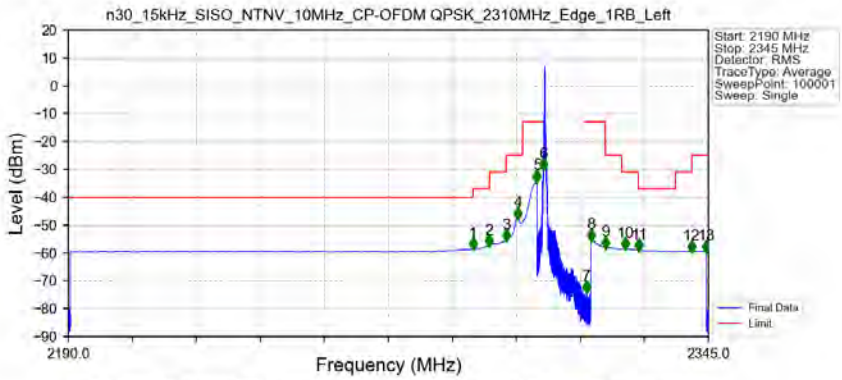
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	1931.000	-57.74	-40	Pass
2288	2292	1	/	2	2291.000	-57.91	-37	Pass
2292	2296	1	/	3	2293.500	-54.97	-31	Pass
2296	2300	1	/	4	2297.500	-38.25	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2322.500	-58.77	-25	Pass
2324	2328	1	/	6	2326.500	-59.40	-31	Pass
2328	2337	1	/	7	2330.500	-58.40	-37	Pass
2337	2341	1	/	8	2337.500	-59.72	-31	Pass
2341	2345	1	/	9	2344.000	-59.60	-25	Pass
2345	2365	1	/	10	2356.000	-45.56	-13	Pass
2365	23150	1	/	11	22501.000	-47.34	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Outer_Full_Ant2



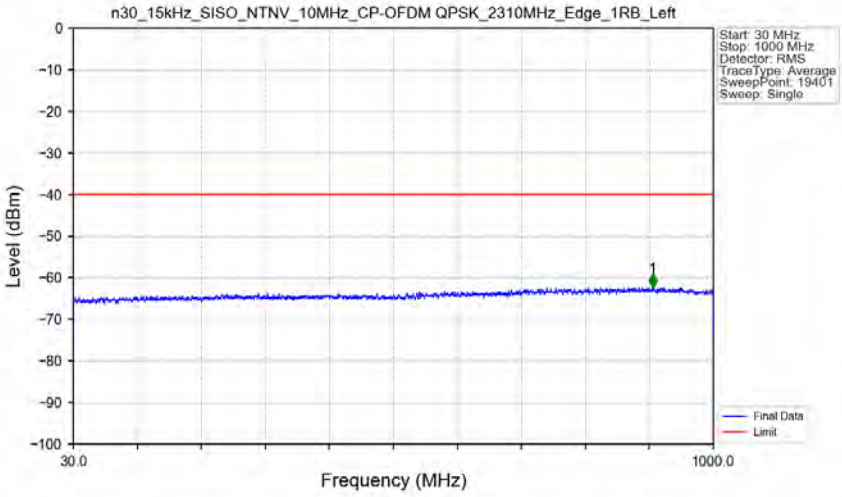
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-41.06	-40	Pass
2288	2292	1	CHP	2	2292.000	-37.60	-37	Pass
2292	2296	1	CHP	3	2292.050	-37.59	-31	Pass
2296	2300	1	CHP	4	2298.900	-36.08	-25	Pass
2300	2304	1	CHP	5	2303.500	-34.94	-13	Pass
2304	2305	0.10056	CHP	6	2304.950	-31.42	-13	Pass
2305	2315	0.10056	CHP	/	/	/	/	/
2315	2316	0.10056	CHP	7	2315.050	-46.87	-13	Pass
2316	2320	1	CHP	8	2320.000	-36.70	-13	Pass
2320	2324	1	CHP	9	2320.650	-35.67	-25	Pass
2324	2328	1	CHP	10	2327.400	-40.79	-31	Pass
2328	2337	1	CHP	11	2329.250	-41.25	-37	Pass
2337	2341	1	CHP	12	2337.700	-63.89	-31	Pass
2341	2345	1	CHP	13	2344.050	-63.98	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2310MHz_Edge_1RB_Left_Ant2



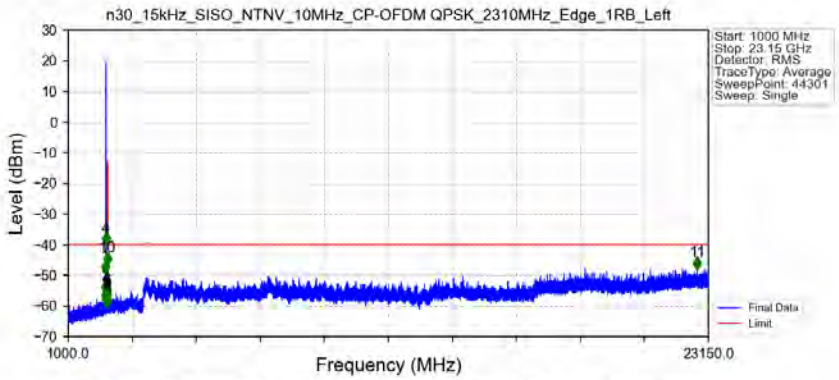
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.988	-58.46	-40	Pass
2288	2292	1	CHP	2	2291.902	-57.31	-37	Pass
2292	2296	1	CHP	3	2296.000	-55.48	-31	Pass
2296	2300	1	CHP	4	2298.870	-47.42	-25	Pass
2300	2304	1	CHP	5	2303.496	-34.14	-13	Pass
2304	2305	0.003	/	6	2304.991	-29.91	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.496	-73.89	-13	Pass
2316	2320	1	CHP	8	2316.616	-55.22	-13	Pass
2320	2324	1	CHP	9	2320.025	-57.93	-25	Pass
2324	2328	1	CHP	10	2324.935	-58.46	-31	Pass
2328	2337	1	CHP	11	2328.212	-58.99	-37	Pass
2337	2341	1	CHP	12	2340.899	-59.36	-31	Pass
2341	2345	1	CHP	13	2344.473	-59.31	-25	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2310MHz_Edge_1RB_Left_Ant2



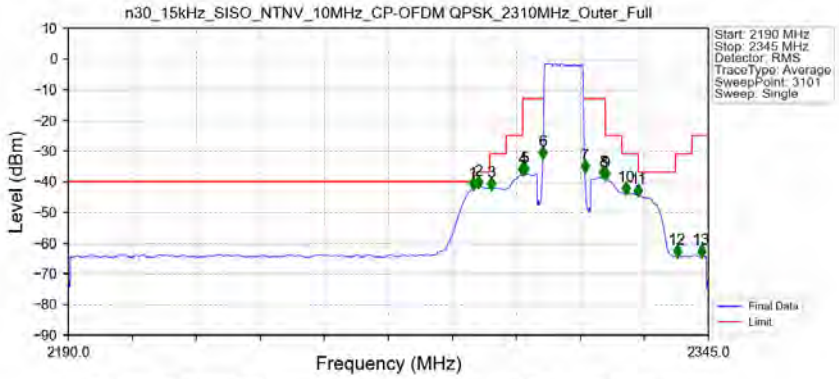
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	907.750	-62.26	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2310MHz_Edge_1RB_Left_Ant2



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2284.000	-48.75	-40	Pass
2288	2292	1	/	2	2291.000	-58.13	-37	Pass
2292	2296	1	/	3	2295.000	-55.37	-31	Pass
2296	2300	1	/	4	2299.000	-39.55	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2320.500	-59.14	-25	Pass
2324	2328	1	/	6	2325.000	-56.66	-31	Pass
2328	2337	1	/	7	2332.500	-59.57	-37	Pass
2337	2341	1	/	8	2338.000	-59.98	-31	Pass
2341	2345	1	/	9	2345.000	-57.96	-25	Pass
2345	2365	1	/	10	2354.000	-46.08	-13	Pass
2365	23150	1	/	11	22762.500	-47.51	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2310MHz_Outer_Full_Ant2



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-42.28	-40	Pass
2288	2292	1	CHP	2	2289.300	-41.67	-37	Pass
2292	2296	1	CHP	3	2292.350	-42.21	-31	Pass
2296	2300	1	CHP	4	2300.000	-37.57	-25	Pass
2300	2304	1	CHP	5	2300.400	-37.36	-13	Pass
2304	2305	0.10496	CHP	6	2304.950	-32.05	-13	Pass
2305	2315	0.10496	CHP	/	/	/	/	/
2315	2316	0.10496	CHP	7	2315.050	-36.45	-13	Pass
2316	2320	1	CHP	8	2319.450	-38.61	-13	Pass
2320	2324	1	CHP	9	2320.050	-38.99	-25	Pass
2324	2328	1	CHP	10	2325.100	-43.66	-31	Pass
2328	2337	1	CHP	11	2328.050	-44.33	-37	Pass
2337	2341	1	CHP	12	2337.450	-64.14	-31	Pass
2341	2345	1	CHP	13	2343.300	-64.16	-25	Pass