



Appendix A.32

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15_S_5M_NTNV_ERP

5G NR n26a SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	816.5	Edge_1RB_Left	23.12	/	/	21.77	/	/	<=50	Pass
		Edge_1RB_Right	23.09	/	/	21.74	/	/	<=50	Pass
		Outer_Full	23.25	/	/	21.90	/	/	<=50	Pass
		Inner_Full	23.73	/	/	22.38	/	/	<=50	Pass
		Inner_1RB_Left	23.67	/	/	22.32	/	/	<=50	Pass
		Inner_1RB_Right	23.54	/	/	22.19	/	/	<=50	Pass
	819	Edge_1RB_Left	23.21	/	/	21.86	/	/	<=50	Pass
		Edge_1RB_Right	23.24	/	/	21.89	/	/	<=50	Pass
		Outer_Full	23.30	/	/	21.95	/	/	<=50	Pass
		Inner_Full	23.75	/	/	22.40	/	/	<=50	Pass
		Inner_1RB_Left	23.65	/	/	22.30	/	/	<=50	Pass
		Inner_1RB_Right	23.65	/	/	22.30	/	/	<=50	Pass
	821.5	Edge_1RB_Left	23.21	/	/	21.86	/	/	<=50	Pass
		Edge_1RB_Right	23.22	/	/	21.87	/	/	<=50	Pass
		Outer_Full	23.34	/	/	21.99	/	/	<=50	Pass
		Inner_Full	23.79	/	/	22.44	/	/	<=50	Pass
		Inner_1RB_Left	23.69	/	/	22.34	/	/	<=50	Pass
		Inner_1RB_Right	23.69	/	/	22.34	/	/	<=50	Pass
DFT-s-OFDM QPSK	816.5	Edge_1RB_Left	22.76	/	/	21.41	/	/	<=50	Pass
		Edge_1RB_Right	22.76	/	/	21.41	/	/	<=50	Pass
		Outer_Full	21.21	/	/	19.86	/	/	<=50	Pass
		Inner_Full	23.74	/	/	22.39	/	/	<=50	Pass
		Inner_1RB_Left	23.85	/	/	22.50	/	/	<=50	Pass
		Inner_1RB_Right	23.71	/	/	22.36	/	/	<=50	Pass
	819	Edge_1RB_Left	22.83	/	/	21.48	/	/	<=50	Pass
		Edge_1RB_Right	22.83	/	/	21.48	/	/	<=50	Pass
		Outer_Full	21.23	/	/	19.88	/	/	<=50	Pass
		Inner_Full	23.70	/	/	22.35	/	/	<=50	Pass
		Inner_1RB_Left	23.84	/	/	22.49	/	/	<=50	Pass
		Inner_1RB_Right	23.80	/	/	22.45	/	/	<=50	Pass
	821.5	Edge_1RB_Left	22.76	/	/	21.41	/	/	<=50	Pass
		Edge_1RB_Right	22.91	/	/	21.56	/	/	<=50	Pass
		Outer_Full	21.22	/	/	19.87	/	/	<=50	Pass
		Inner_Full	23.79	/	/	22.44	/	/	<=50	Pass
		Inner_1RB_Left	23.78	/	/	22.43	/	/	<=50	Pass
		Inner_1RB_Right	23.95	/	/	22.60	/	/	<=50	Pass
DFT-s-OFDM 16 QAM	816.5	Edge_1RB_Left	21.81	/	/	20.46	/	/	<=50	Pass
		Edge_1RB_Right	21.73	/	/	20.38	/	/	<=50	Pass
		Outer_Full	20.22	/	/	18.87	/	/	<=50	Pass
		Inner_Full	22.58	/	/	21.23	/	/	<=50	Pass

		Inner_1RB_Left	22.80	/	/	21.45	/	/	<=50	Pass
		Inner_1RB_Right	22.79	/	/	21.44	/	/	<=50	Pass
	819	Edge_1RB_Left	21.91	/	/	20.56	/	/	<=50	Pass
		Edge_1RB_Right	22.03	/	/	20.68	/	/	<=50	Pass
		Outer_Full	20.21	/	/	18.86	/	/	<=50	Pass
		Inner_Full	22.64	/	/	21.29	/	/	<=50	Pass
		Inner_1RB_Left	22.85	/	/	21.50	/	/	<=50	Pass
		Inner_1RB_Right	22.93	/	/	21.58	/	/	<=50	Pass
	821.5	Edge_1RB_Left	21.96	/	/	20.61	/	/	<=50	Pass
		Edge_1RB_Right	21.99	/	/	20.64	/	/	<=50	Pass
		Outer_Full	20.28	/	/	18.93	/	/	<=50	Pass
		Inner_Full	22.68	/	/	21.33	/	/	<=50	Pass
		Inner_1RB_Left	22.92	/	/	21.57	/	/	<=50	Pass
		Inner_1RB_Right	22.99	/	/	21.64	/	/	<=50	Pass
DFT-s-OFDM 64 QAM	816.5	Edge_1RB_Left	21.33	/	/	19.98	/	/	<=50	Pass
		Edge_1RB_Right	21.31	/	/	19.96	/	/	<=50	Pass
		Outer_Full	19.84	/	/	18.49	/	/	<=50	Pass
		Inner_Full	21.21	/	/	19.86	/	/	<=50	Pass
		Inner_1RB_Left	21.43	/	/	20.08	/	/	<=50	Pass
		Inner_1RB_Right	21.34	/	/	19.99	/	/	<=50	Pass
	819	Edge_1RB_Left	21.34	/	/	19.99	/	/	<=50	Pass
		Edge_1RB_Right	21.35	/	/	20.00	/	/	<=50	Pass
		Outer_Full	19.78	/	/	18.43	/	/	<=50	Pass
		Inner_Full	21.29	/	/	19.94	/	/	<=50	Pass
		Inner_1RB_Left	21.36	/	/	20.01	/	/	<=50	Pass
		Inner_1RB_Right	21.36	/	/	20.01	/	/	<=50	Pass
	821.5	Edge_1RB_Left	21.36	/	/	20.01	/	/	<=50	Pass
		Edge_1RB_Right	21.42	/	/	20.07	/	/	<=50	Pass
		Outer_Full	19.88	/	/	18.53	/	/	<=50	Pass
		Inner_Full	21.30	/	/	19.95	/	/	<=50	Pass
		Inner_1RB_Left	21.45	/	/	20.10	/	/	<=50	Pass
		Inner_1RB_Right	21.50	/	/	20.15	/	/	<=50	Pass
DFT-s-OFDM 256 QAM	816.5	Edge_1RB_Left	18.95	/	/	17.60	/	/	<=50	Pass
		Edge_1RB_Right	18.90	/	/	17.55	/	/	<=50	Pass
		Outer_Full	16.64	/	/	15.29	/	/	<=50	Pass
		Inner_Full	19.14	/	/	17.79	/	/	<=50	Pass
		Inner_1RB_Left	18.94	/	/	17.59	/	/	<=50	Pass
		Inner_1RB_Right	18.94	/	/	17.59	/	/	<=50	Pass
	819	Edge_1RB_Left	18.97	/	/	17.62	/	/	<=50	Pass
		Edge_1RB_Right	18.94	/	/	17.59	/	/	<=50	Pass
		Outer_Full	16.71	/	/	15.36	/	/	<=50	Pass
		Inner_Full	19.21	/	/	17.86	/	/	<=50	Pass
		Inner_1RB_Left	18.98	/	/	17.63	/	/	<=50	Pass
		Inner_1RB_Right	18.94	/	/	17.59	/	/	<=50	Pass
	821.5	Edge_1RB_Left	19.03	/	/	17.68	/	/	<=50	Pass
		Edge_1RB_Right	19.04	/	/	17.69	/	/	<=50	Pass
		Outer_Full	16.80	/	/	15.45	/	/	<=50	Pass
		Inner_Full	19.27	/	/	17.92	/	/	<=50	Pass
		Inner_1RB_Left	19.08	/	/	17.73	/	/	<=50	Pass
		Inner_1RB_Right	19.02	/	/	17.67	/	/	<=50	Pass
CP-OFDM QPSK	816.5	Edge_1RB_Left	20.84	/	/	19.49	/	/	<=50	Pass
		Edge_1RB_Right	20.86	/	/	19.51	/	/	<=50	Pass
		Outer_Full	20.66	/	/	19.31	/	/	<=50	Pass

		Inner Full	22.23	/	/	20.88	/	/	<=50	Pass
		Inner 1RB Left	22.35	/	/	21.00	/	/	<=50	Pass
		Inner 1RB Right	22.26	/	/	20.91	/	/	<=50	Pass
	819	Edge 1RB Left	20.85	/	/	19.50	/	/	<=50	Pass
		Edge 1RB Right	20.84	/	/	19.49	/	/	<=50	Pass
		Outer Full	20.75	/	/	19.40	/	/	<=50	Pass
		Inner Full	22.29	/	/	20.94	/	/	<=50	Pass
		Inner 1RB Left	22.26	/	/	20.91	/	/	<=50	Pass
		Inner 1RB Right	22.29	/	/	20.94	/	/	<=50	Pass
	821.5	Edge 1RB Left	20.75	/	/	19.40	/	/	<=50	Pass
		Edge 1RB Right	20.84	/	/	19.49	/	/	<=50	Pass
		Outer Full	20.76	/	/	19.41	/	/	<=50	Pass
		Inner Full	22.33	/	/	20.98	/	/	<=50	Pass
		Inner 1RB Left	22.44	/	/	21.09	/	/	<=50	Pass
		Inner 1RB Right	22.35	/	/	21.00	/	/	<=50	Pass
CP-OFDM 16 QAM	816.5	Edge 1RB Left	20.83	/	/	19.48	/	/	<=50	Pass
		Edge 1RB Right	20.75	/	/	19.40	/	/	<=50	Pass
		Outer Full	18.70	/	/	17.35	/	/	<=50	Pass
		Inner Full	21.60	/	/	20.25	/	/	<=50	Pass
		Inner 1RB Left	21.72	/	/	20.37	/	/	<=50	Pass
		Inner 1RB Right	21.73	/	/	20.38	/	/	<=50	Pass
	819	Edge 1RB Left	20.71	/	/	19.36	/	/	<=50	Pass
		Edge 1RB Right	20.90	/	/	19.55	/	/	<=50	Pass
		Outer Full	18.65	/	/	17.30	/	/	<=50	Pass
		Inner Full	21.74	/	/	20.39	/	/	<=50	Pass
		Inner 1RB Left	21.80	/	/	20.45	/	/	<=50	Pass
		Inner 1RB Right	21.97	/	/	20.62	/	/	<=50	Pass
	821.5	Edge 1RB Left	20.81	/	/	19.46	/	/	<=50	Pass
		Edge 1RB Right	20.82	/	/	19.47	/	/	<=50	Pass
		Outer Full	18.73	/	/	17.38	/	/	<=50	Pass
		Inner Full	21.86	/	/	20.51	/	/	<=50	Pass
		Inner 1RB Left	21.90	/	/	20.55	/	/	<=50	Pass
		Inner 1RB Right	21.86	/	/	20.51	/	/	<=50	Pass
CP-OFDM 64 QAM	816.5	Edge 1RB Left	20.39	/	/	19.04	/	/	<=50	Pass
		Edge 1RB Right	20.28	/	/	18.93	/	/	<=50	Pass
		Outer Full	18.34	/	/	16.99	/	/	<=50	Pass
		Inner Full	20.23	/	/	18.88	/	/	<=50	Pass
		Inner 1RB Left	20.38	/	/	19.03	/	/	<=50	Pass
		Inner 1RB Right	20.30	/	/	18.95	/	/	<=50	Pass
	819	Edge 1RB Left	20.34	/	/	18.99	/	/	<=50	Pass
		Edge 1RB Right	20.39	/	/	19.04	/	/	<=50	Pass
		Outer Full	18.31	/	/	16.96	/	/	<=50	Pass
		Inner Full	20.27	/	/	18.92	/	/	<=50	Pass
		Inner 1RB Left	20.24	/	/	18.89	/	/	<=50	Pass
		Inner 1RB Right	20.37	/	/	19.02	/	/	<=50	Pass
	821.5	Edge 1RB Left	20.43	/	/	19.08	/	/	<=50	Pass
		Edge 1RB Right	20.37	/	/	19.02	/	/	<=50	Pass
		Outer Full	18.42	/	/	17.07	/	/	<=50	Pass
		Inner Full	20.30	/	/	18.95	/	/	<=50	Pass
		Inner 1RB Left	20.39	/	/	19.04	/	/	<=50	Pass
		Inner 1RB Right	20.37	/	/	19.02	/	/	<=50	Pass
CP-OFDM 256 QAM	816.5	Edge 1RB Left	16.97	/	/	15.62	/	/	<=50	Pass
		Edge 1RB Right	17.04	/	/	15.69	/	/	<=50	Pass

		Outer_Full	15.43	/	/	14.08	/	/	<=50	Pass
		Inner_Full	17.16	/	/	15.81	/	/	<=50	Pass
		Inner_1RB_Left	16.99	/	/	15.64	/	/	<=50	Pass
		Inner_1RB_Right	16.90	/	/	15.55	/	/	<=50	Pass
	819	Edge_1RB_Left	16.99	/	/	15.64	/	/	<=50	Pass
		Edge_1RB_Right	17.12	/	/	15.77	/	/	<=50	Pass
		Outer_Full	15.42	/	/	14.07	/	/	<=50	Pass
		Inner_Full	17.26	/	/	15.91	/	/	<=50	Pass
	821.5	Inner_1RB_Left	17.05	/	/	15.70	/	/	<=50	Pass
		Inner_1RB_Right	17.01	/	/	15.66	/	/	<=50	Pass
		Edge_1RB_Left	17.07	/	/	15.72	/	/	<=50	Pass
		Edge_1RB_Right	17.02	/	/	15.67	/	/	<=50	Pass
		Outer_Full	15.38	/	/	14.03	/	/	<=50	Pass
		Inner_Full	17.26	/	/	15.91	/	/	<=50	Pass
		Inner_1RB_Left	17.05	/	/	15.70	/	/	<=50	Pass
		Inner_1RB_Right	17.00	/	/	15.65	/	/	<=50	Pass

Note1: Antenna Gain: Ant1: 0.80dBi;
Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 15_S_10M_NTNV_ERP

5G NR n26a SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	819	Edge_1RB_Left	23.26	/	/	21.91	/	/	<=50	Pass
		Edge_1RB_Right	23.28	/	/	21.93	/	/	<=50	Pass
		Outer_Full	23.31	/	/	21.96	/	/	<=50	Pass
		Inner_Full	23.73	/	/	22.38	/	/	<=50	Pass
		Inner_1RB_Left	23.78	/	/	22.43	/	/	<=50	Pass
DFT-s-OFDM QPSK	819	Inner_1RB_Right	23.76	/	/	22.41	/	/	<=50	Pass
		Edge_1RB_Left	22.88	/	/	21.53	/	/	<=50	Pass
		Edge_1RB_Right	22.95	/	/	21.60	/	/	<=50	Pass
		Outer_Full	21.30	/	/	19.95	/	/	<=50	Pass
		Inner_Full	23.67	/	/	22.32	/	/	<=50	Pass
DFT-s-OFDM 16 QAM	819	Inner_1RB_Left	23.85	/	/	22.50	/	/	<=50	Pass
		Inner_1RB_Right	23.92	/	/	22.57	/	/	<=50	Pass
		Edge_1RB_Left	21.85	/	/	20.50	/	/	<=50	Pass
		Edge_1RB_Right	21.89	/	/	20.54	/	/	<=50	Pass
		Outer_Full	20.33	/	/	18.98	/	/	<=50	Pass
DFT-s-OFDM 64 QAM	819	Inner_Full	22.79	/	/	21.44	/	/	<=50	Pass
		Inner_1RB_Left	22.86	/	/	21.51	/	/	<=50	Pass
		Inner_1RB_Right	22.99	/	/	21.64	/	/	<=50	Pass
		Edge_1RB_Left	21.38	/	/	20.03	/	/	<=50	Pass
		Edge_1RB_Right	21.55	/	/	20.20	/	/	<=50	Pass
DFT-s-OFDM 256 QAM	819	Outer_Full	19.79	/	/	18.44	/	/	<=50	Pass
		Inner_Full	21.35	/	/	20.00	/	/	<=50	Pass
		Inner_1RB_Left	21.45	/	/	20.10	/	/	<=50	Pass
		Inner_1RB_Right	21.36	/	/	20.01	/	/	<=50	Pass
		Edge_1RB_Left	19.00	/	/	17.65	/	/	<=50	Pass
	819	Edge_1RB_Right	18.98	/	/	17.63	/	/	<=50	Pass
		Outer_Full	16.63	/	/	15.28	/	/	<=50	Pass



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		Inner Full	19.15	/	/	17.80	/	/	<=50	Pass
		Inner 1RB Left	18.88	/	/	17.53	/	/	<=50	Pass
		Inner 1RB Right	19.05	/	/	17.70	/	/	<=50	Pass
CP-OFDM QPSK	819	Edge 1RB Left	20.95	/	/	19.60	/	/	<=50	Pass
		Edge 1RB Right	20.83	/	/	19.48	/	/	<=50	Pass
		Outer Full	20.79	/	/	19.44	/	/	<=50	Pass
		Inner Full	22.17	/	/	20.82	/	/	<=50	Pass
		Inner 1RB Left	22.24	/	/	20.89	/	/	<=50	Pass
		Inner 1RB Right	22.48	/	/	21.13	/	/	<=50	Pass
CP-OFDM 16 QAM	819	Edge 1RB Left	20.81	/	/	19.46	/	/	<=50	Pass
		Edge 1RB Right	20.93	/	/	19.58	/	/	<=50	Pass
		Outer Full	18.76	/	/	17.41	/	/	<=50	Pass
		Inner Full	21.79	/	/	20.44	/	/	<=50	Pass
		Inner 1RB Left	21.73	/	/	20.38	/	/	<=50	Pass
		Inner 1RB Right	21.90	/	/	20.55	/	/	<=50	Pass
CP-OFDM 64 QAM	819	Edge 1RB Left	20.36	/	/	19.01	/	/	<=50	Pass
		Edge 1RB Right	20.36	/	/	19.01	/	/	<=50	Pass
		Outer Full	18.23	/	/	16.88	/	/	<=50	Pass
		Inner Full	20.24	/	/	18.89	/	/	<=50	Pass
		Inner 1RB Left	20.40	/	/	19.05	/	/	<=50	Pass
		Inner 1RB Right	20.44	/	/	19.09	/	/	<=50	Pass
CP-OFDM 256 QAM	819	Edge 1RB Left	16.96	/	/	15.61	/	/	<=50	Pass
		Edge 1RB Right	16.89	/	/	15.54	/	/	<=50	Pass
		Outer Full	15.53	/	/	14.18	/	/	<=50	Pass
		Inner Full	17.15	/	/	15.80	/	/	<=50	Pass
		Inner 1RB Left	17.05	/	/	15.70	/	/	<=50	Pass
		Inner 1RB Right	17.09	/	/	15.74	/	/	<=50	Pass

Note1: Antenna Gain: Ant1: 0.80dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 15_S_10M

5G NR n26a 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	819	Outer_Full	20	LV	-4.60	-0.0056	>=-2.5 & <=2.5	Pass
				HV	-1.90	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-4.30	-0.0053	>=-2.5 & <=2.5	Pass
			-20	NV	-3.30	-0.0040	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0055	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0082	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0096	>=-2.5 & <=2.5	Pass
			20	NV	-3.00	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0093	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0038	>=-2.5 & <=2.5	Pass
			50	NV	-4.70	-0.0057	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15_S_5M_NTNV

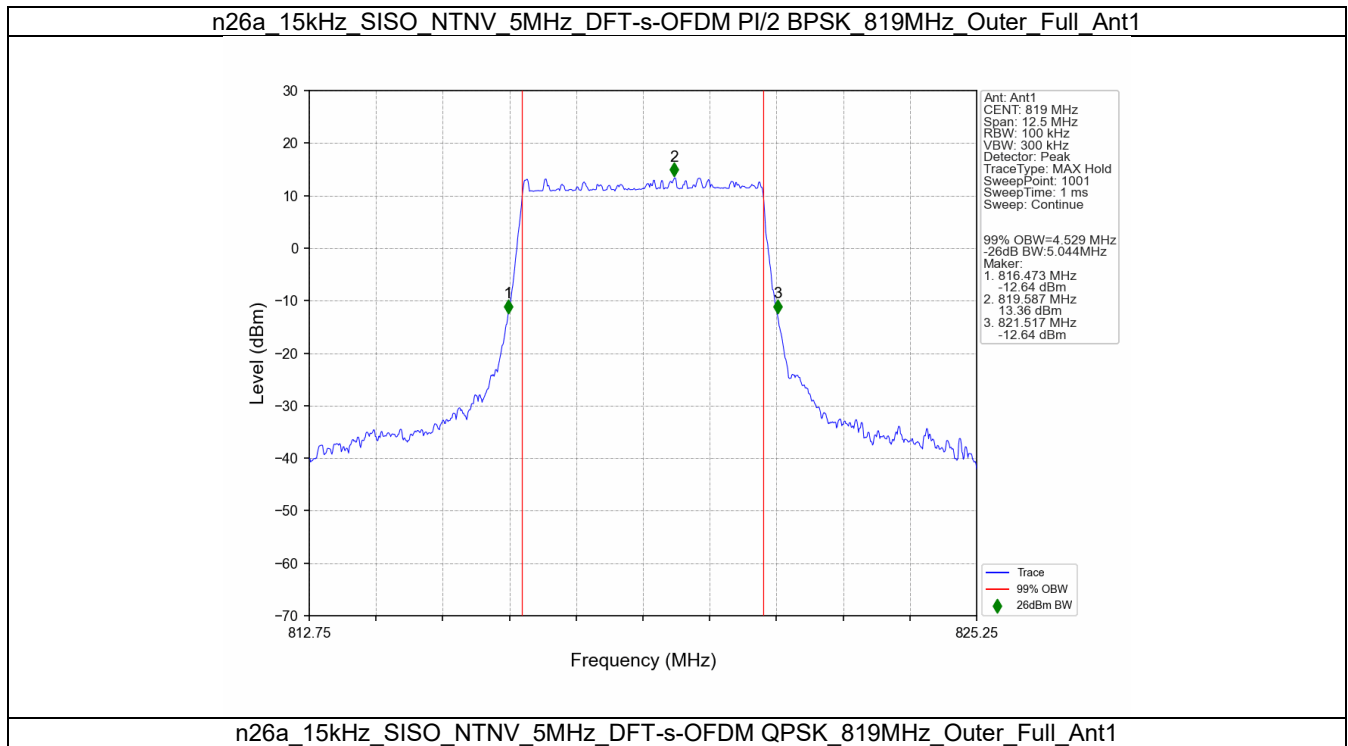
5G NR n26a SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	819	Outer_Full	4.53	5.04	/	Pass
DFT-s-OFDM QPSK	819	Outer_Full	4.49	4.98	/	Pass
DFT-s-OFDM 16 QAM	819	Outer_Full	4.52	5.02	/	Pass
DFT-s-OFDM 64 QAM	819	Outer_Full	4.51	5.01	/	Pass
DFT-s-OFDM 256 QAM	819	Outer_Full	4.52	5.07	/	Pass
CP-OFDM QPSK	819	Outer_Full	4.49	5.04	/	Pass
CP-OFDM 16 QAM	819	Outer_Full	4.50	5.05	/	Pass
CP-OFDM 64 QAM	819	Outer_Full	4.48	4.97	/	Pass
CP-OFDM 256 QAM	819	Outer_Full	4.50	5.03	/	Pass

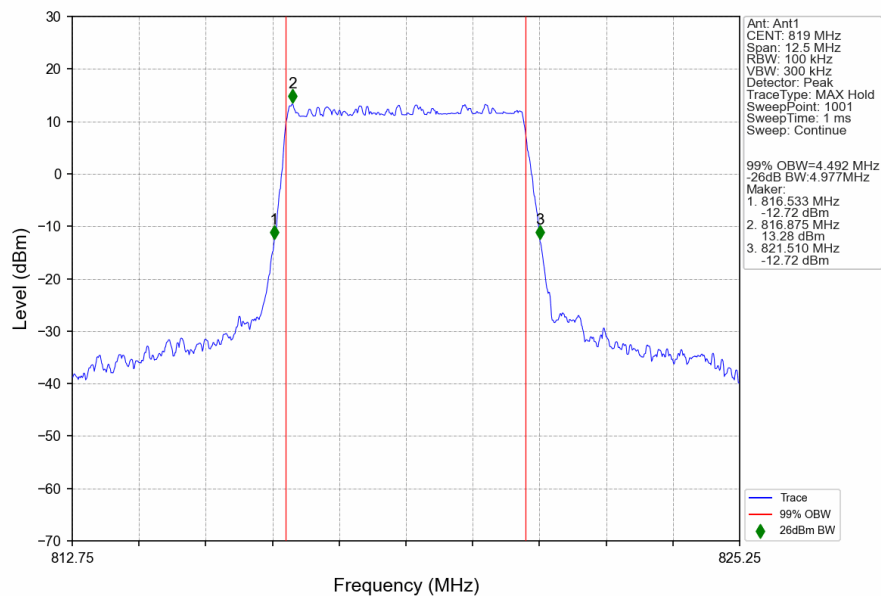
3.1.2 15_S_10M_NTNV

5G NR n26a 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	819	Outer_Full	8.90	9.47	/	Pass
DFT-s-OFDM QPSK	819	Outer_Full	8.93	9.52	/	Pass
DFT-s-OFDM 16 QAM	819	Outer_Full	8.93	9.53	/	Pass
DFT-s-OFDM 64 QAM	819	Outer_Full	8.95	9.53	/	Pass
DFT-s-OFDM 256 QAM	819	Outer_Full	8.92	9.51	/	Pass
CP-OFDM QPSK	819	Outer_Full	9.27	9.95	/	Pass
CP-OFDM 16 QAM	819	Outer_Full	9.27	9.85	/	Pass
CP-OFDM 64 QAM	819	Outer_Full	9.25	9.81	/	Pass
CP-OFDM 256 QAM	819	Outer_Full	9.26	9.92	/	Pass

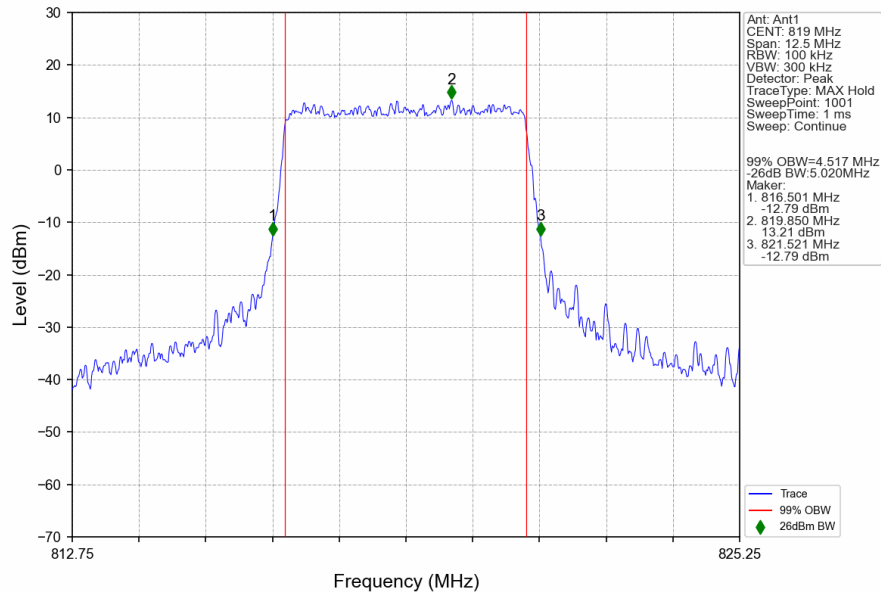
3.2 Test Graph

3.2.1 15_S_5M_NTNV

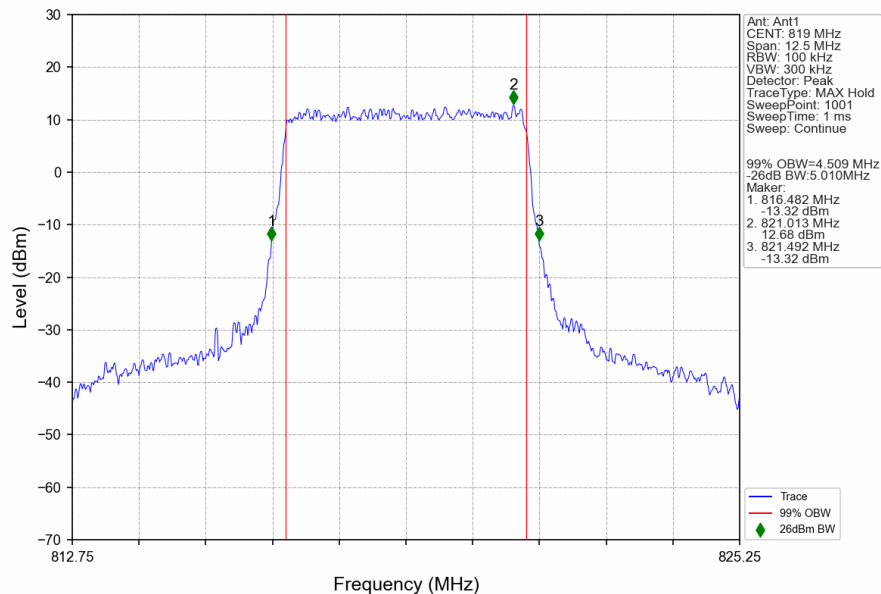




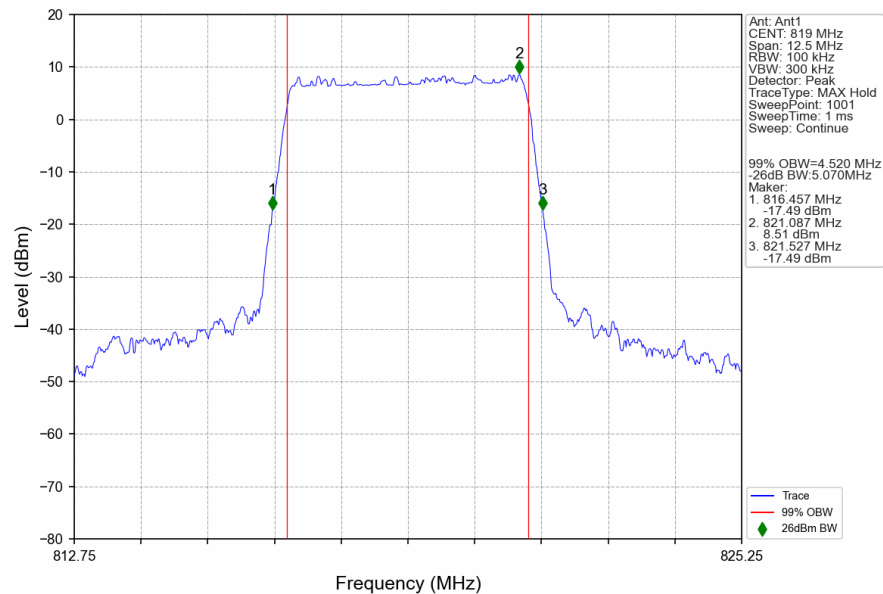
n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM 819MHz_Outer_Full_Ant1



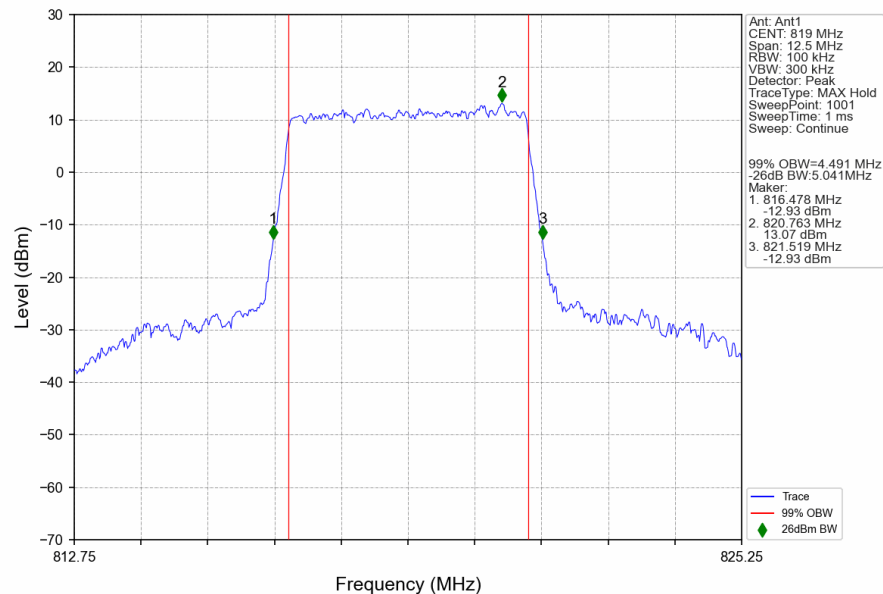
n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM 819MHz_Outer_Full_Ant1



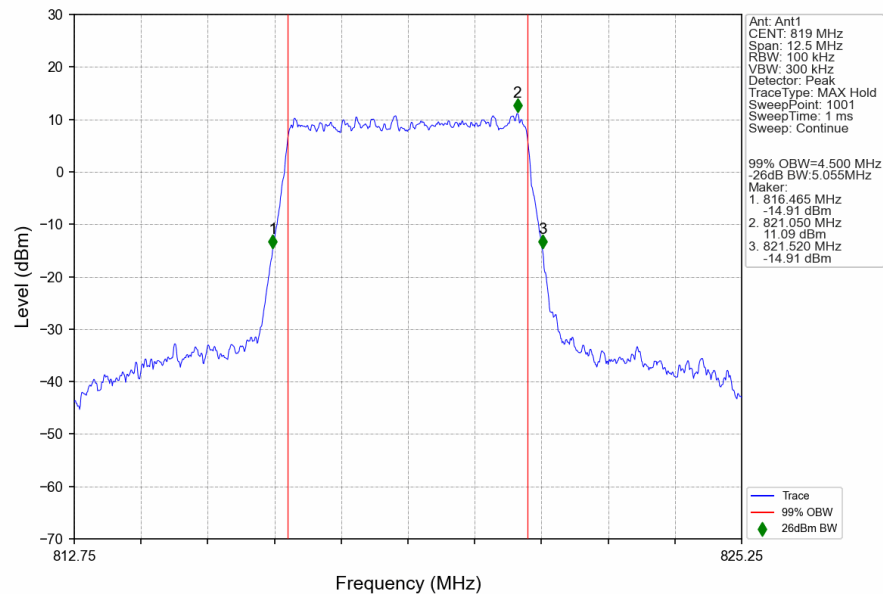
n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_819MHz_Outer_Full_Ant1



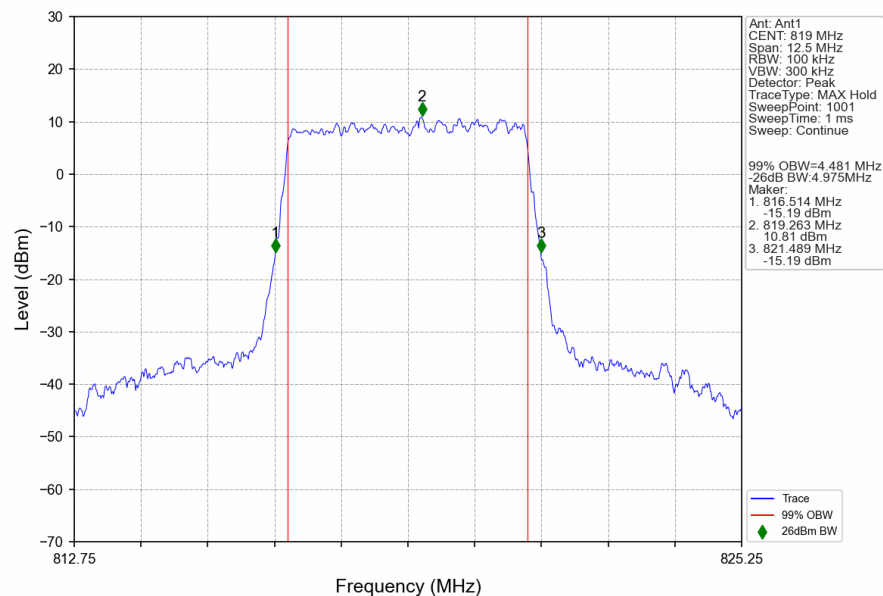
n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_819MHz_Outer_Full_Ant1



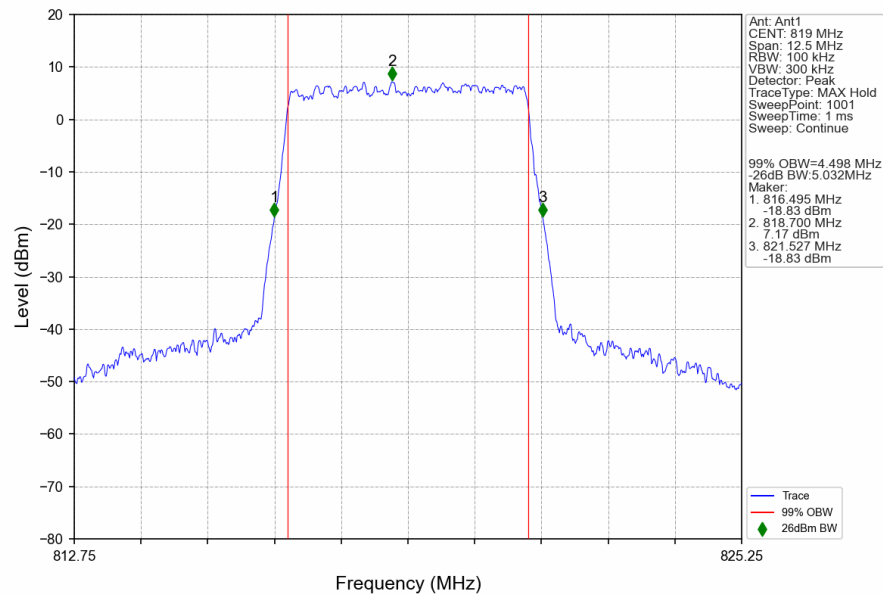
n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_16 QAM_819MHz_Outer_Full_Ant1



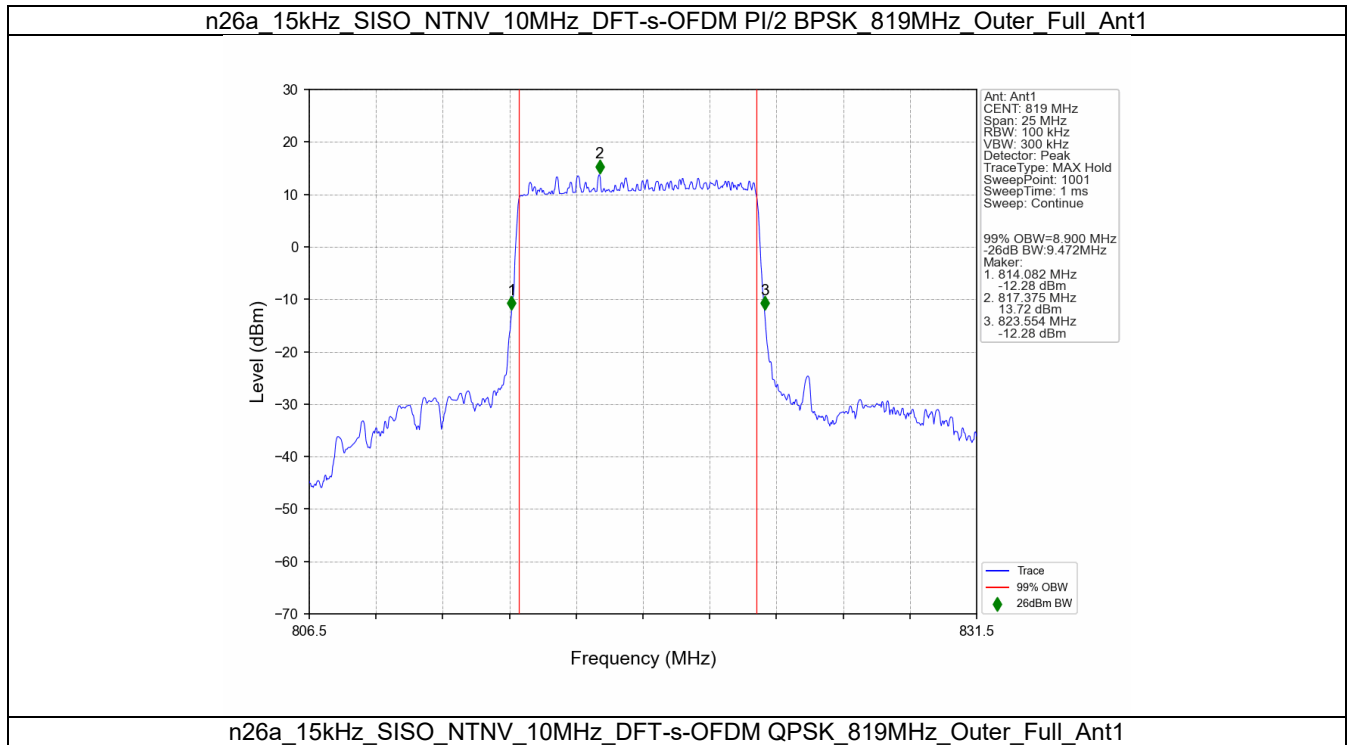
n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_64 QAM_819MHz_Outer_Full_Ant1

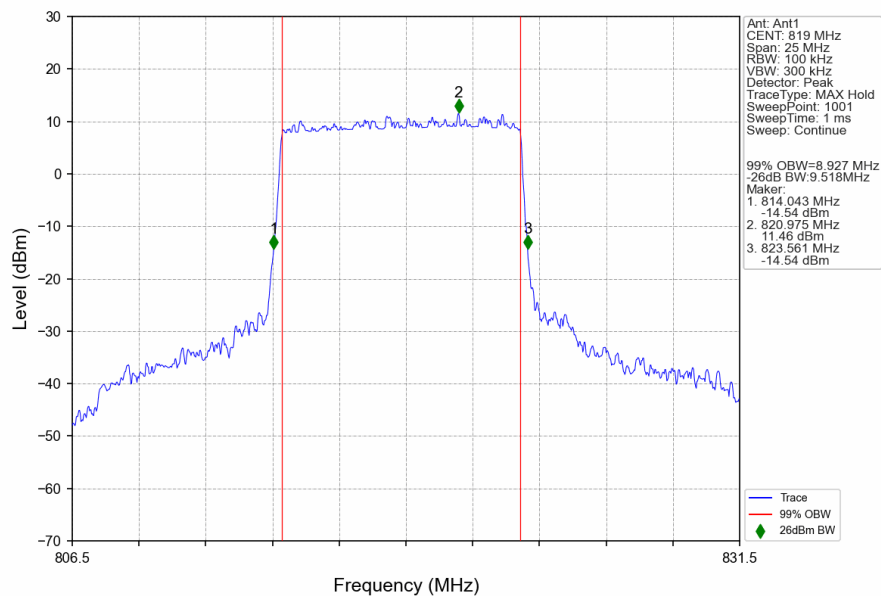


n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_819MHz_Outer_Full_Ant1

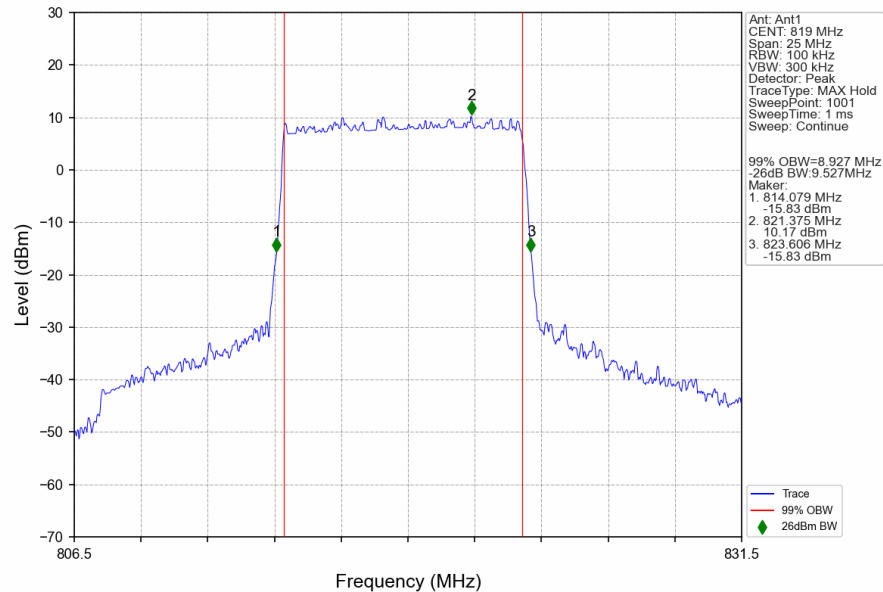


3.2.2 15_S_10M_NTNV

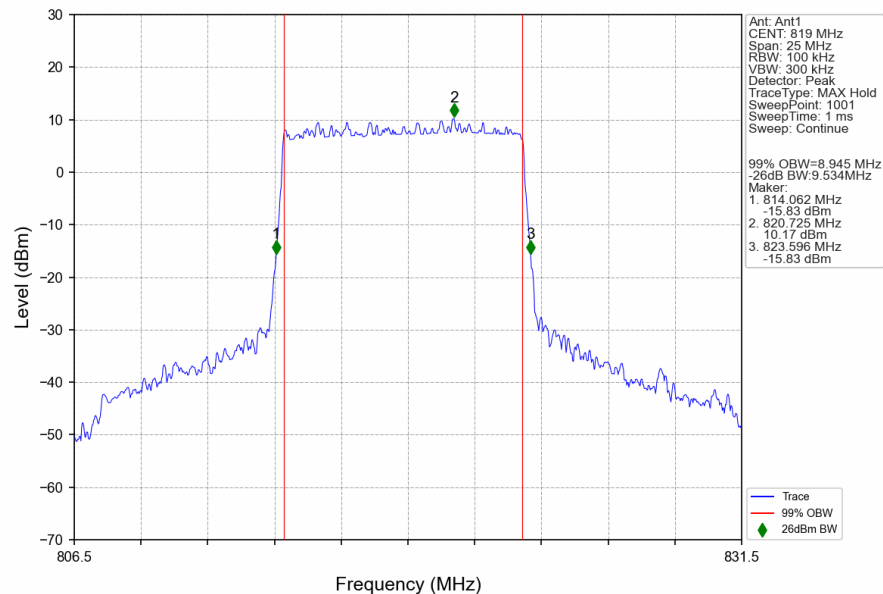




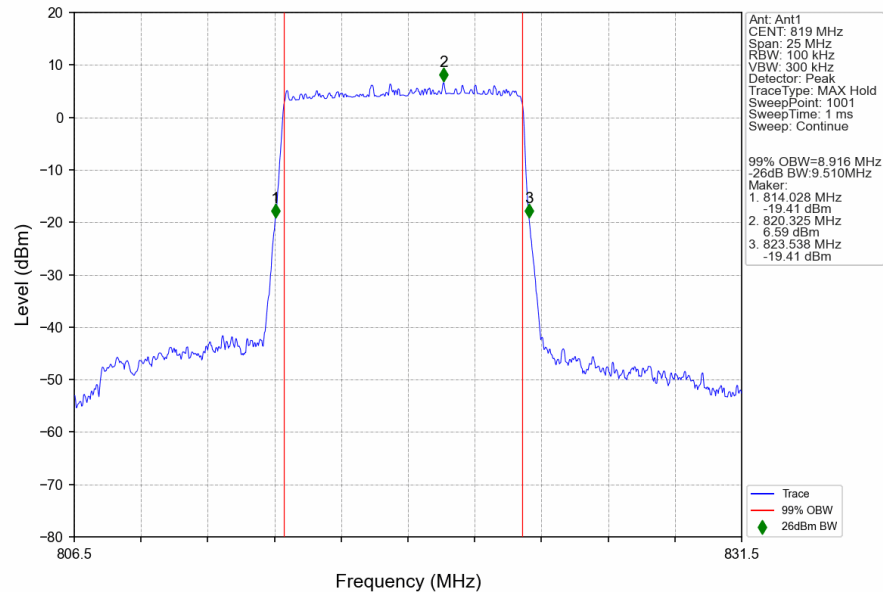
n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_819MHz_Outer_Full_Ant1



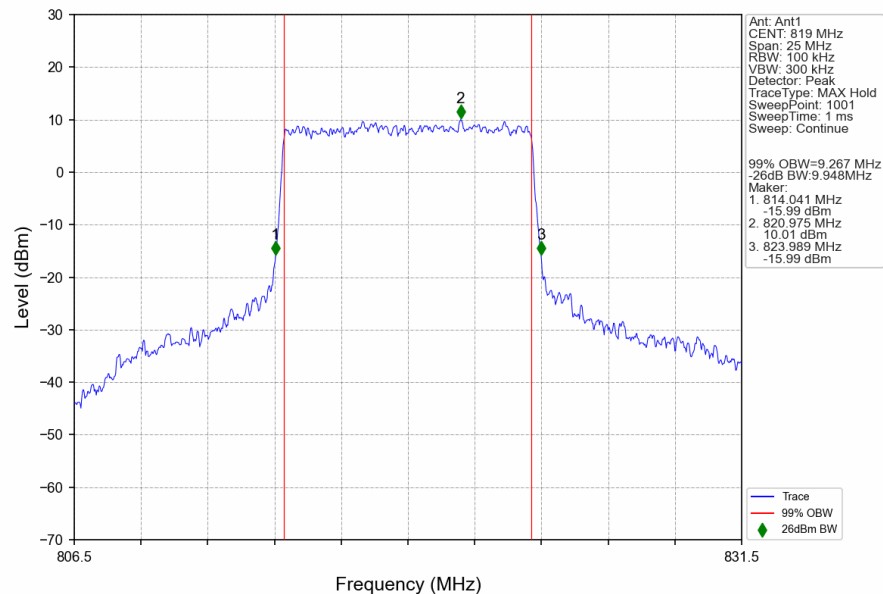
n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_819MHz_Outer_Full_Ant1



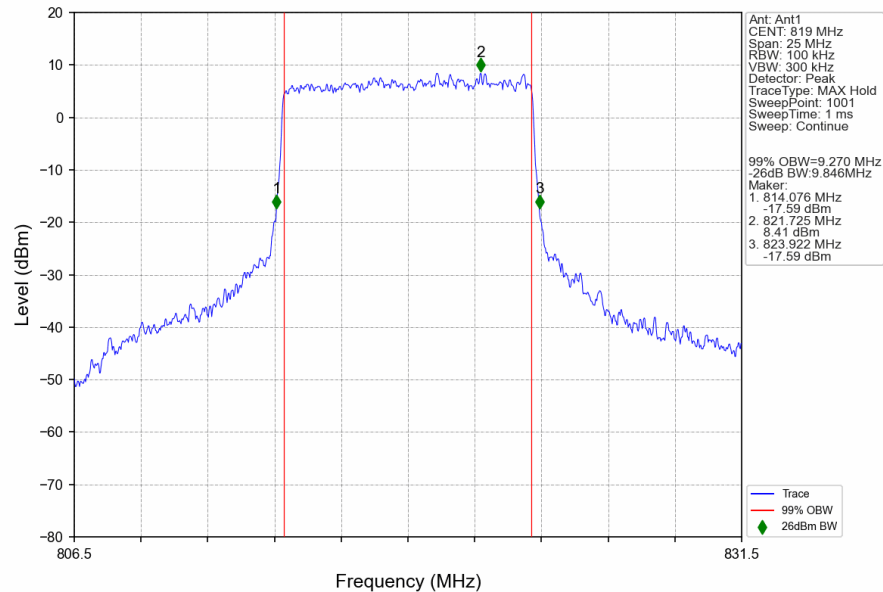
n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_819MHz_Outer_Full_Ant1



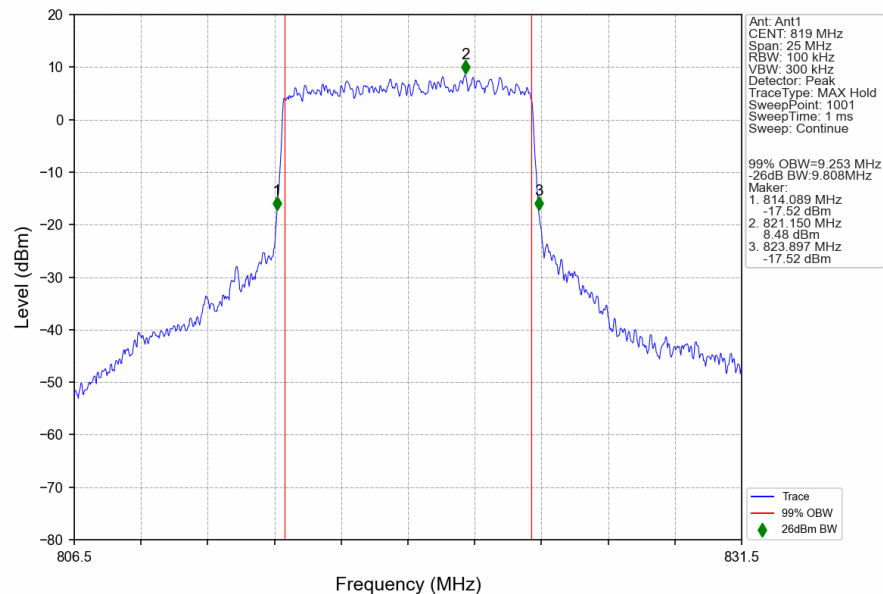
n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_819MHz_Outer_Full_Ant1



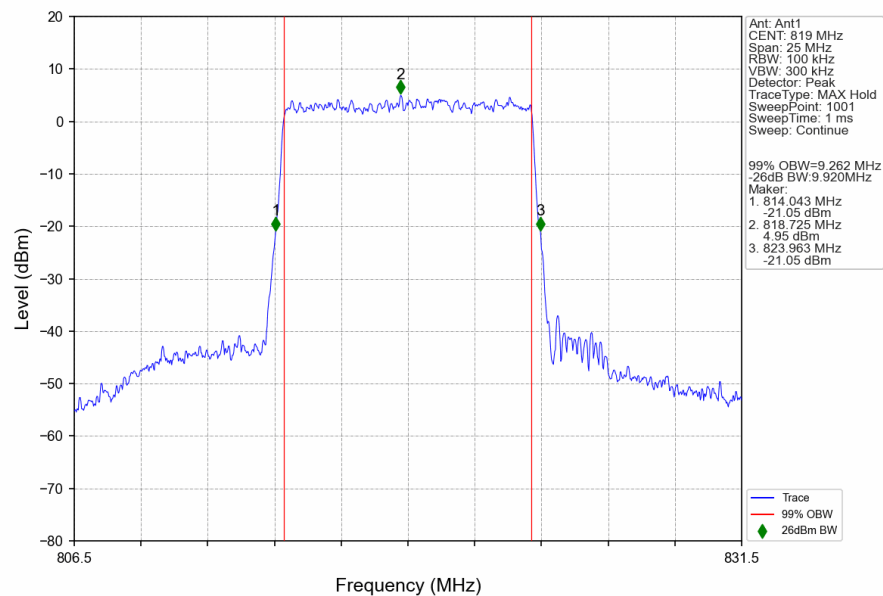
n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM_16 QAM_819MHz_Outer_Full_Ant1



n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM_64 QAM_819MHz_Outer_Full_Ant1



n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_819MHz_Outer_Full_Ant1





4. Peak-Average Ratio

4.1 Test Result

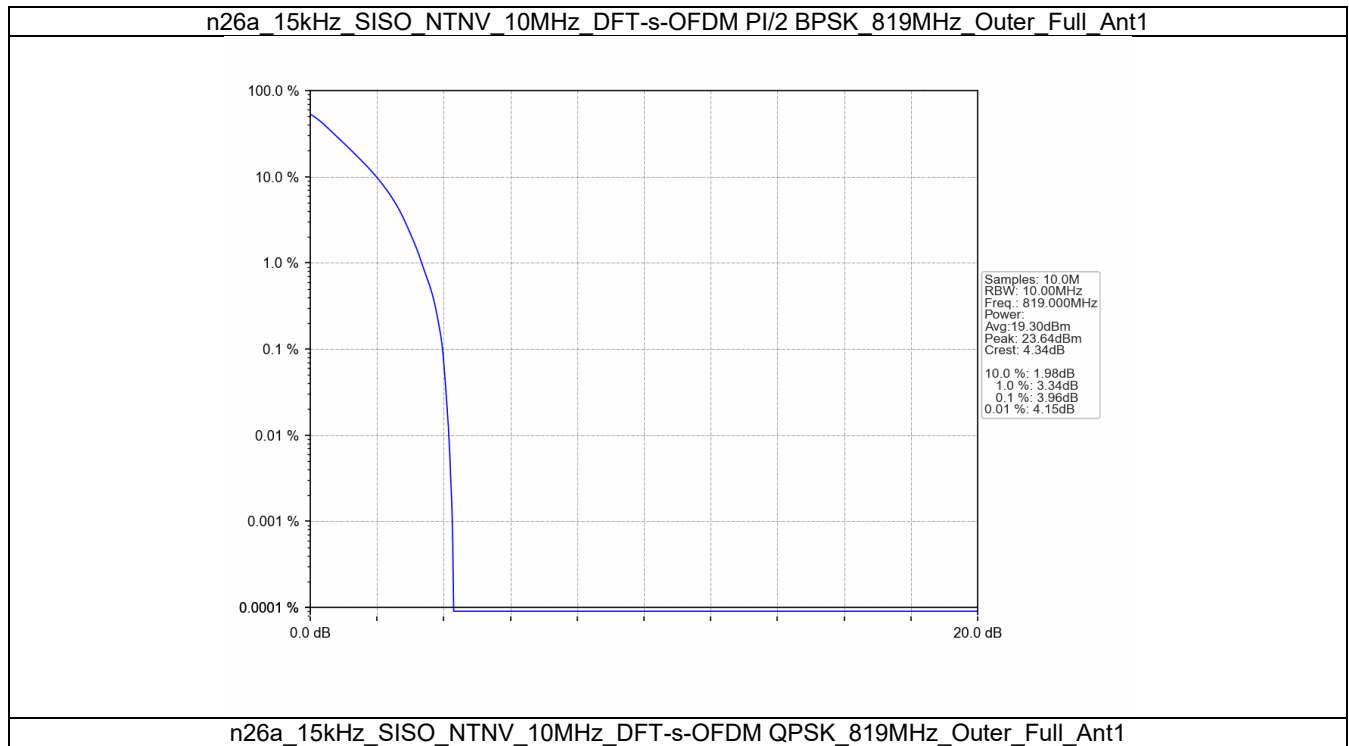
4.1.1 15_S_10M_NTNV

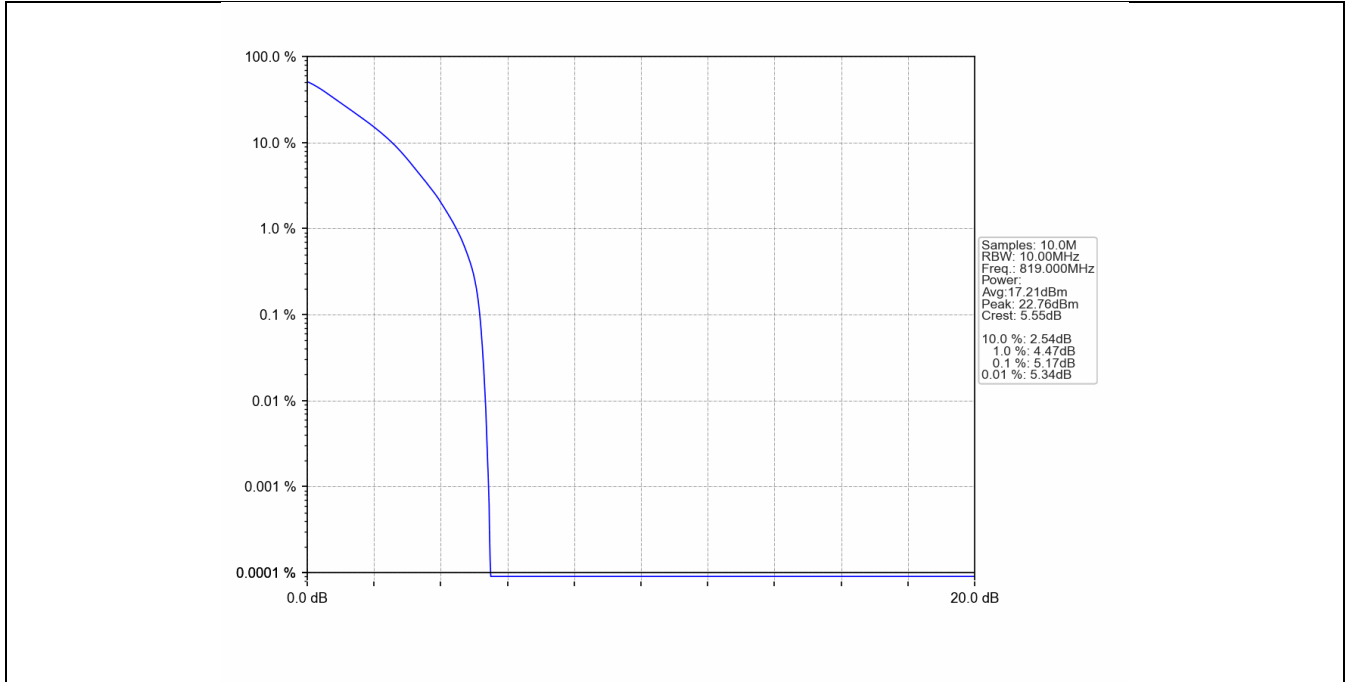
5G NR n26a SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	819	Outer_Full	3.96	/	/	<=13	Pass
DFT-s-OFDM QPSK	819	Outer_Full	5.17	/	/	<=13	Pass
CP-OFDM QPSK	819	Outer_Full	6.84	/	/	<=13	Pass



4.2 Test Graph

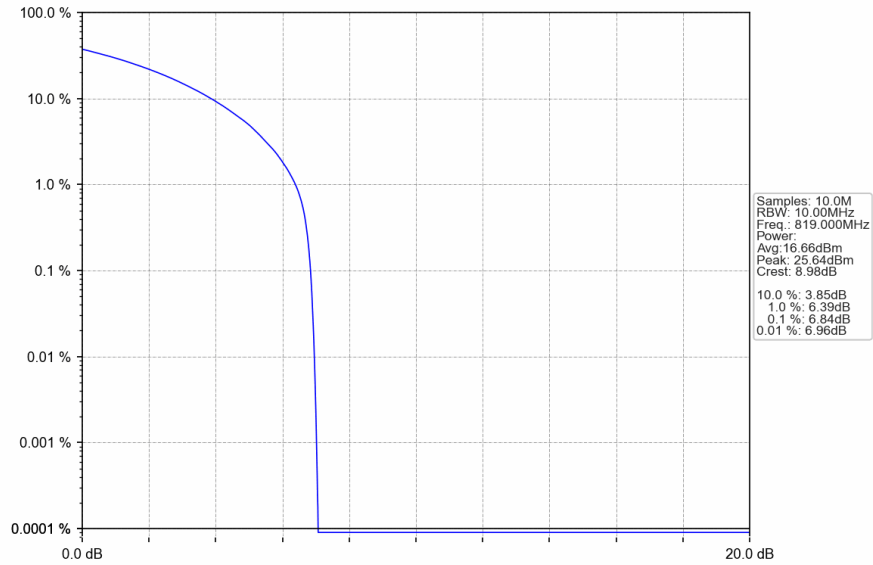
4.2.1 15_S_10M_NTNV







n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_819MHz_Outer_Full_Ant1





5. Spurious Emission

5.1 Test Result

5.1.1 15_S_5M_NTNV

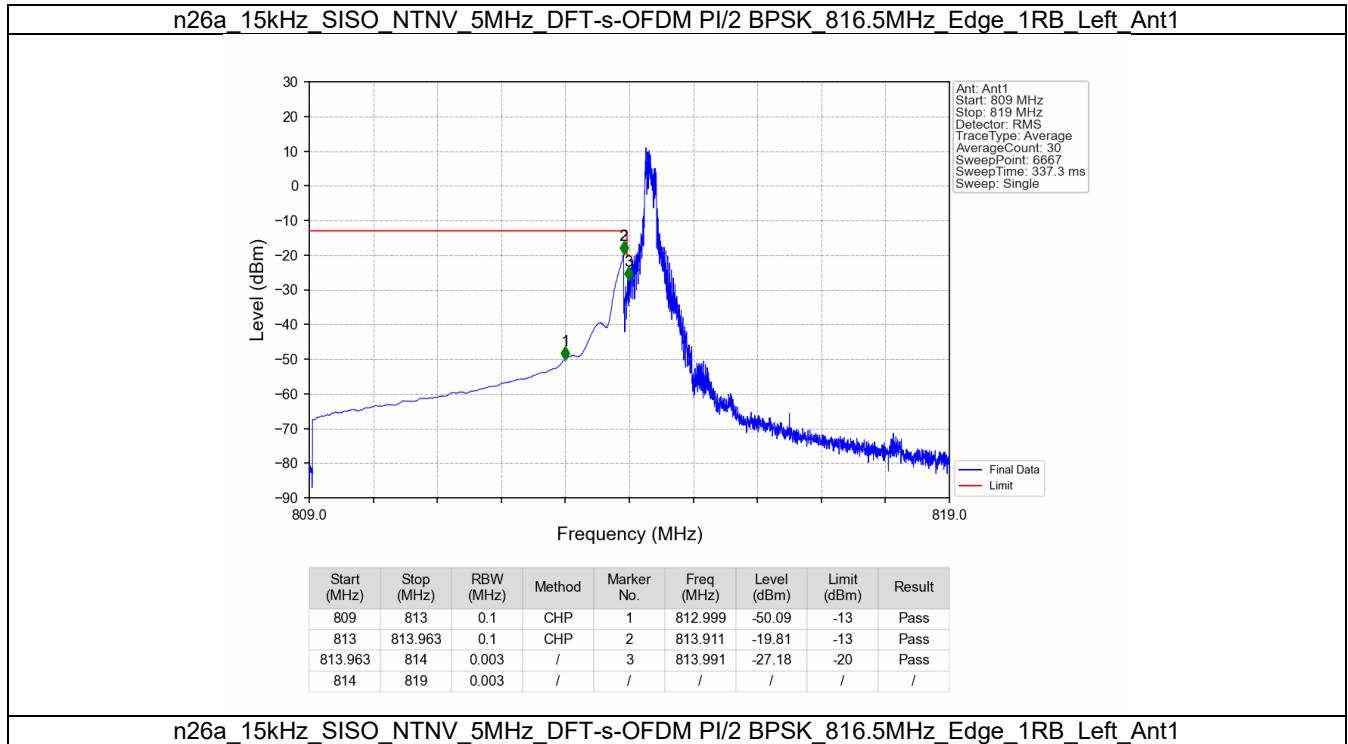
5G NR n26a SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	816.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	819	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	821.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	816.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	819	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	821.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	816.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	819	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	821.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

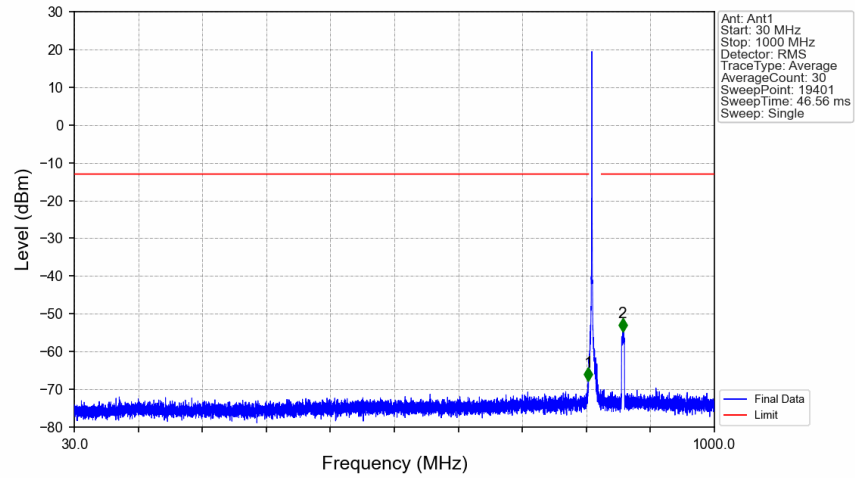
5.1.2 15_S_10M_NTNV

5G NR n26a SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	819	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	819	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	819	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	819	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	819	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	819	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.2 Test Graph

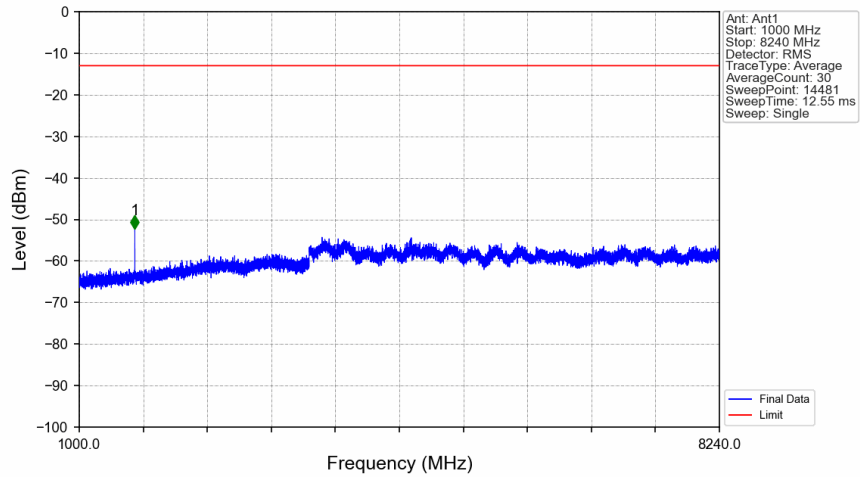
5.2.1 15_S_5M_NTNV





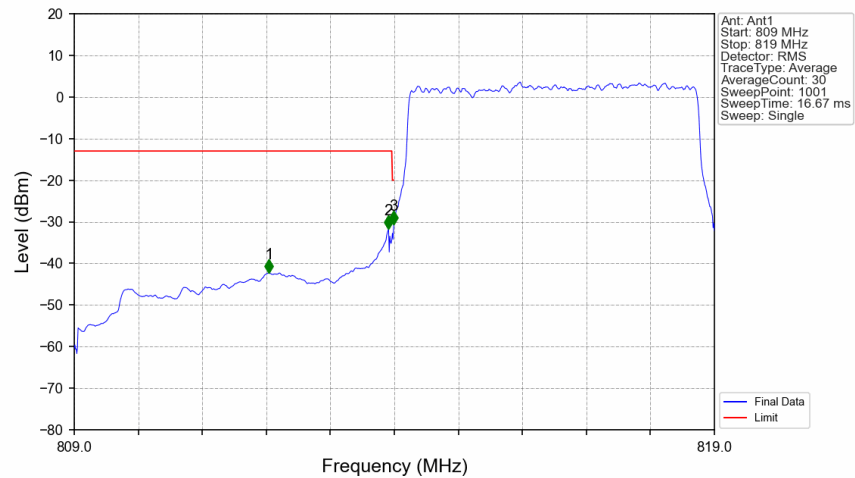
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.750	-67.67	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	860.800	-54.64	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_816.5MHz_Edge_1RB_Left_Ant1



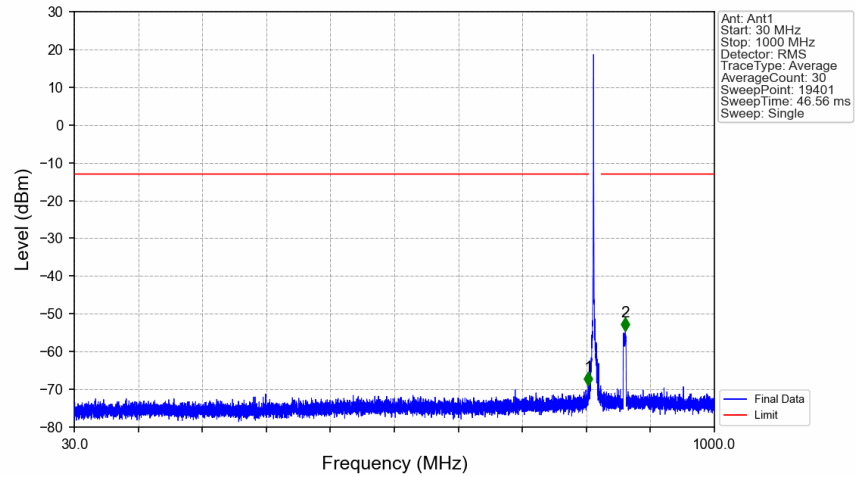
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	1628.500	-52.25	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_816.5MHz_Outer_Full_Ant1



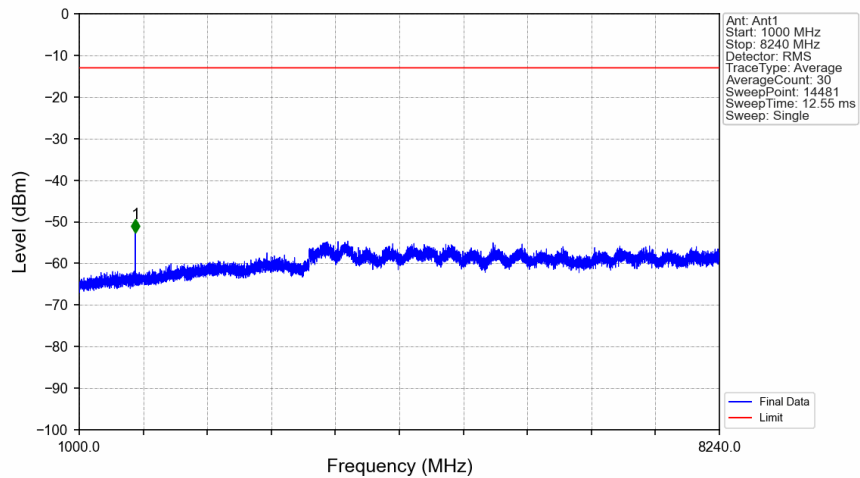
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.040	-42.30	-13	Pass
813	813.963	0.1	CHP	2	813.910	-31.67	-13	Pass
813.963	814	0.04977	CHP	3	813.990	-30.54	-20	Pass
814	819	0.04977	CHP	/	/	/	/	/

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Edge_1RB_Left_Ant1



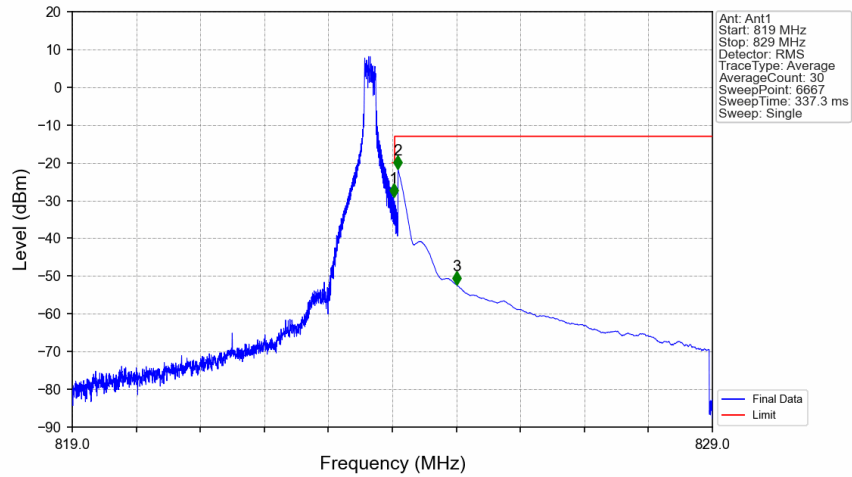
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	808.750	-68.96	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	865.100	-54.51	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Edge_1RB_Left_Ant1



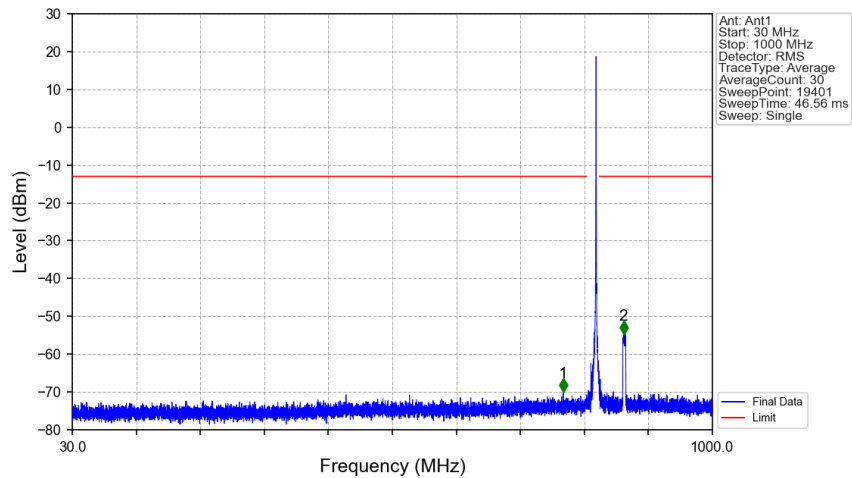
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	1634.000	-52.65	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_821.5MHz_Edge_1RB_Right_Ant1



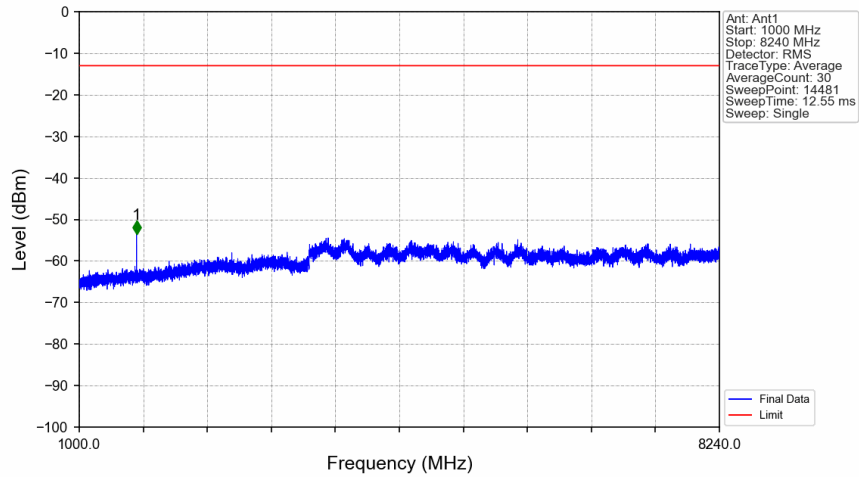
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.020	-29.01	-20	Pass
824.038	825	0.1	CHP	2	824.089	-21.67	-13	Pass
825	829	0.1	CHP	3	825.001	-52.25	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_821.5MHz_Edge_1RB_Right_Ant1



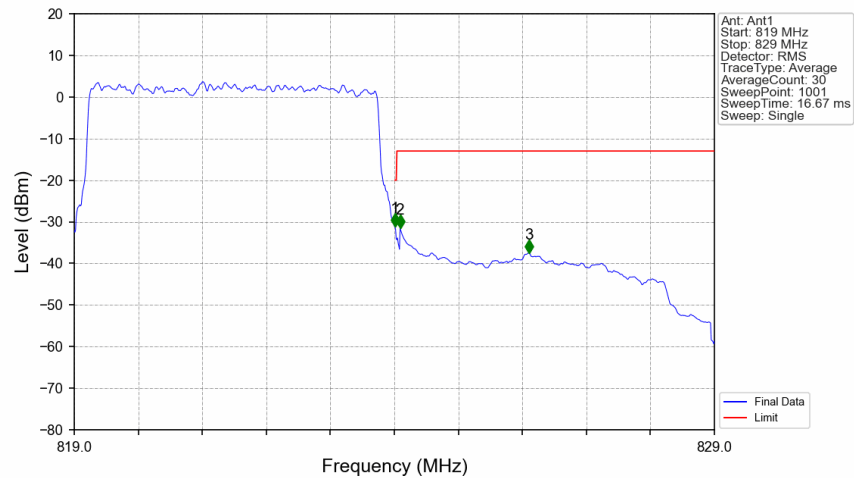
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	774.050	-69.84	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	865.350	-54.70	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_821.5MHz_Edge_1RB_Right_Ant1



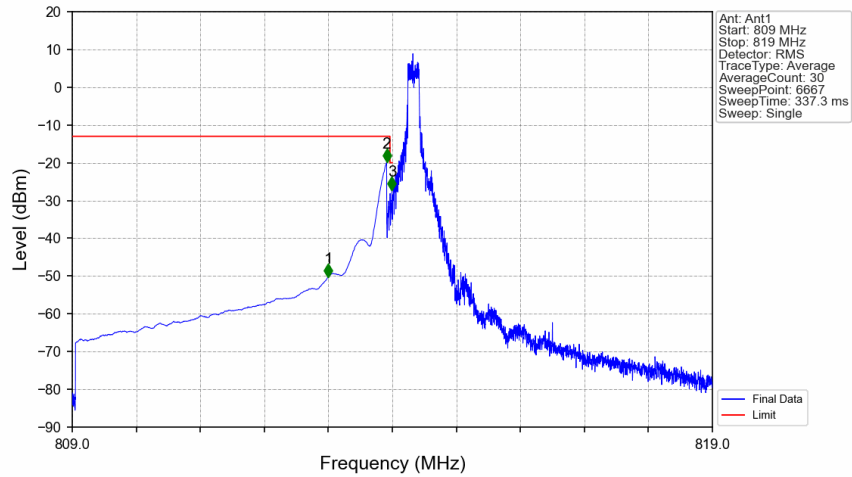
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	1647.500	-53.40	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_821.5MHz_Outer_Full_Ant1



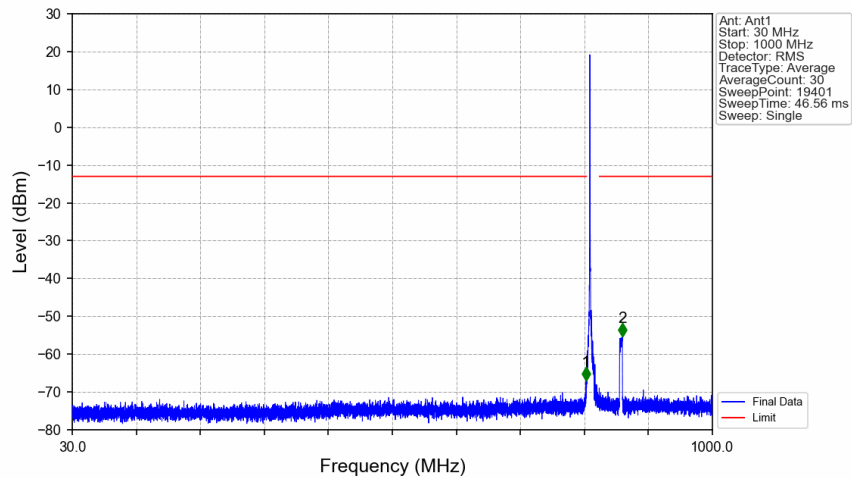
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.04977	CHP	/	/	/	/	/
824	824.038	0.04977	CHP	1	824.010	-31.20	-20	Pass
824.038	825	0.1	CHP	2	824.090	-31.55	-13	Pass
825	829	0.1	CHP	3	826.100	-37.44	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_816.5MHz_Edge_1RB_Left_Ant1



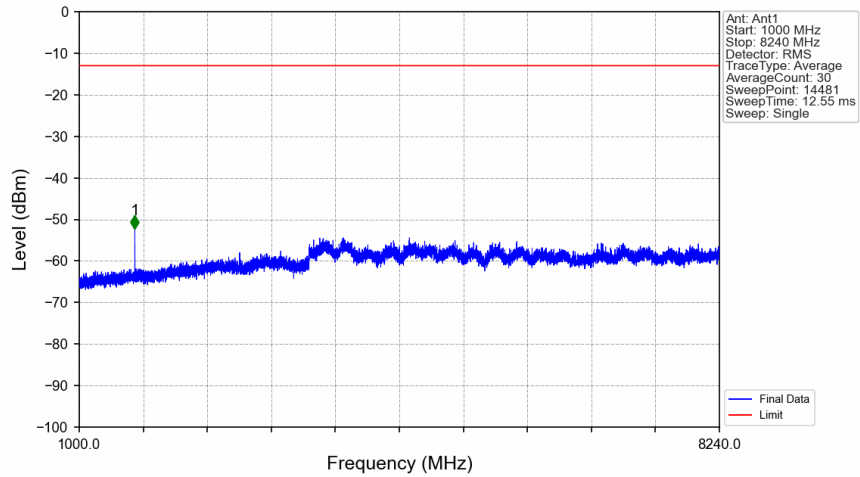
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.999	-50.26	-13	Pass
813	813.963	0.1	CHP	2	813.911	-19.77	-13	Pass
813.963	814	0.003	/	3	813.994	-27.32	-20	Pass
814	819	0.003	/	/	/	/	/	/

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_816.5MHz_Edge_1RB_Left_Ant1



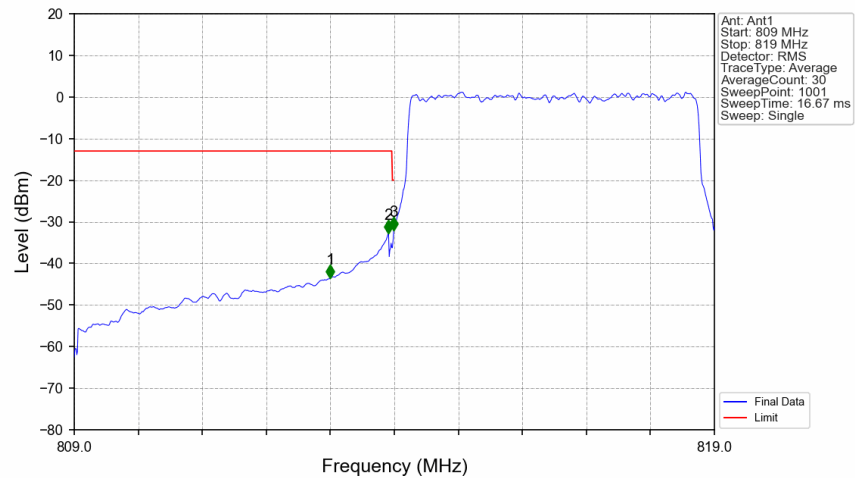
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.250	-66.90	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	863.250	-55.35	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK 816.5MHz_Edge_1RB_Left_Ant1



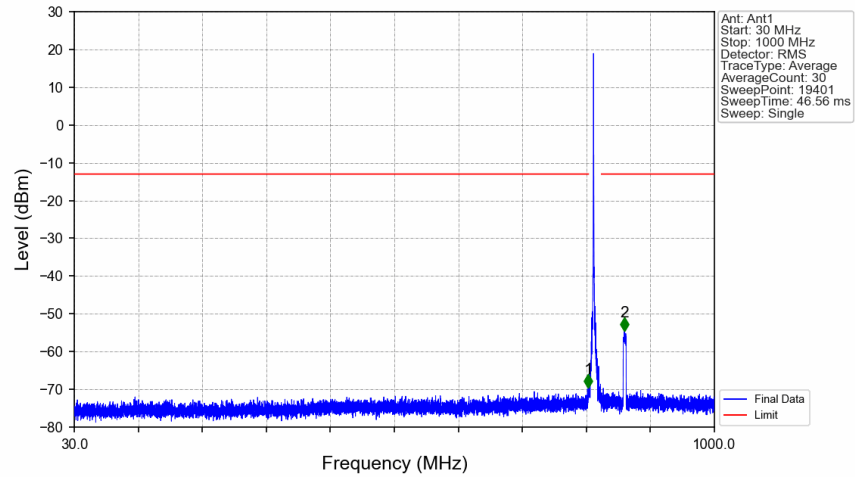
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	1628.500	-52.29	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK 816.5MHz_Outer_Full_Ant1



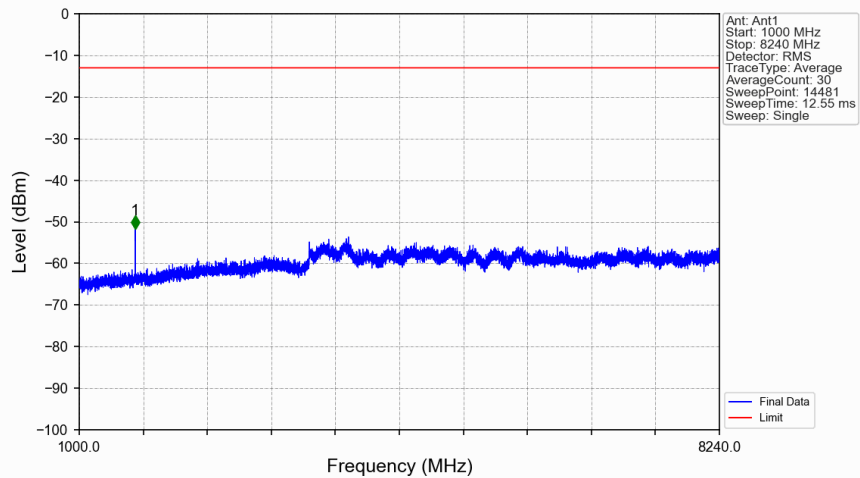
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	813.000	-43.53	-13	Pass
813	813.963	0.1	CHP	2	813.910	-32.76	-13	Pass
813.963	814	0.04977	CHP	3	813.990	-32.06	-20	Pass
814	819	0.04977	CHP	/	/	/	/	/

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant1



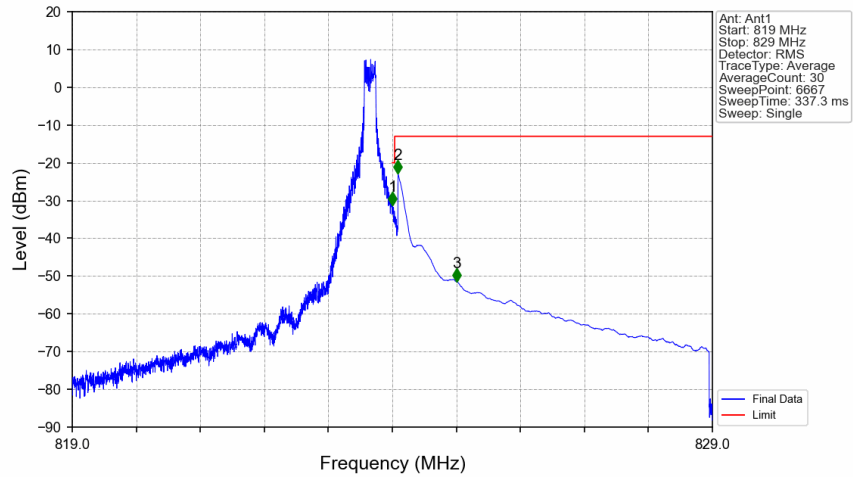
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	808.950	-69.51	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	863.450	-54.53	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant1



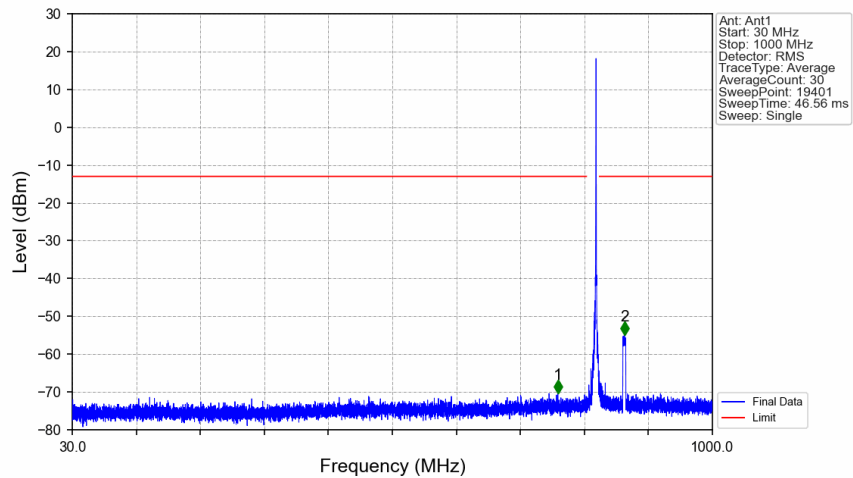
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	1633.500	-51.72	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant1



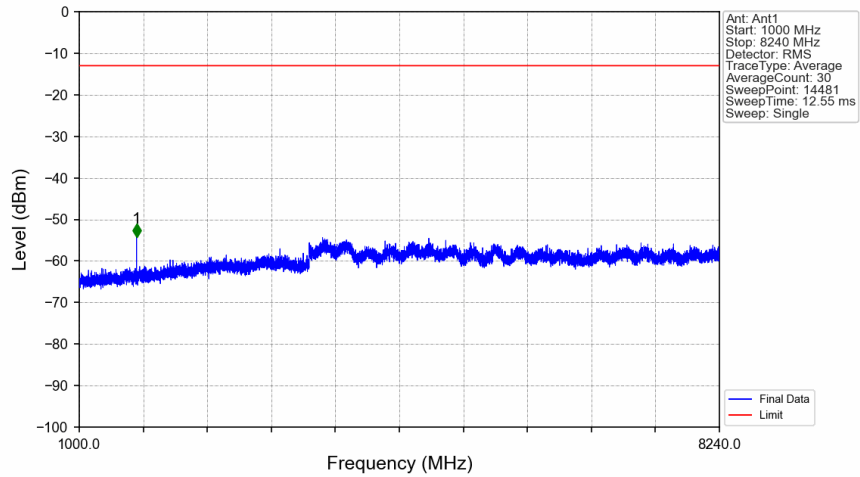
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.005	-31.21	-20	Pass
824.038	825	0.1	CHP	2	824.089	-22.78	-13	Pass
825	829	0.1	CHP	3	825.001	-51.52	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant1



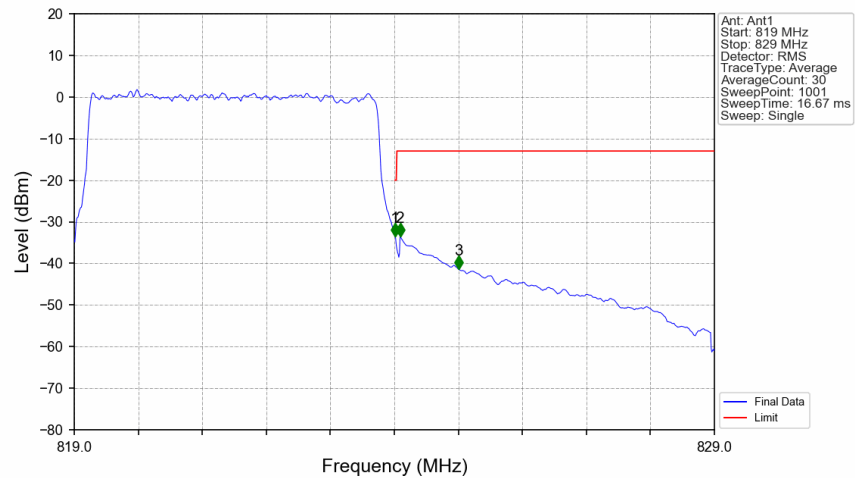
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	765.800	-70.24	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	866.800	-54.80	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant1



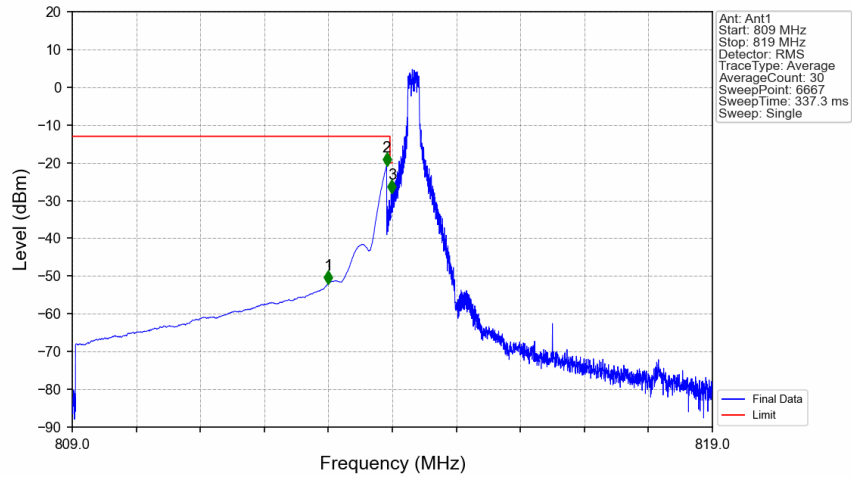
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	1647.500	-54.18	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_821.5MHz_Outer_Full_Ant1



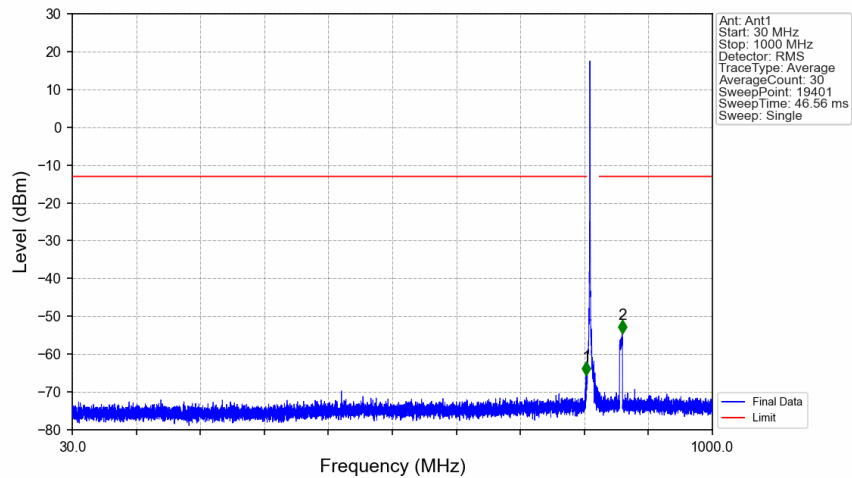
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.04977	CHP	/	/	/	/	/
824	824.038	0.04977	CHP	1	824.010	-33.57	-20	Pass
824.038	825	0.1	CHP	2	824.090	-33.42	-13	Pass
825	829	0.1	CHP	3	825.010	-41.38	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_816.5MHz_Edge_1RB_Left_Ant1



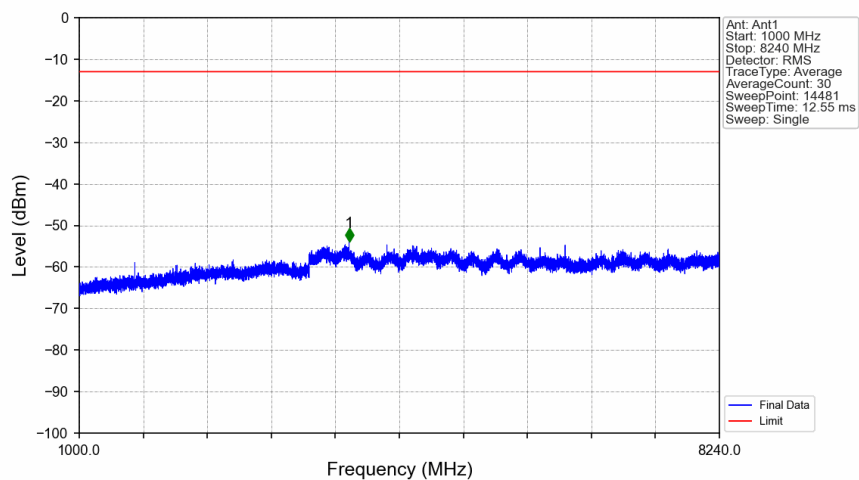
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.999	-52.08	-13	Pass
813	813.963	0.1	CHP	2	813.911	-20.76	-13	Pass
813.963	814	0.003	/	3	813.994	-28.01	-20	Pass
814	819	0.003	/	/	/	/	/	/

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_816.5MHz_Edge_1RB_Left_Ant1



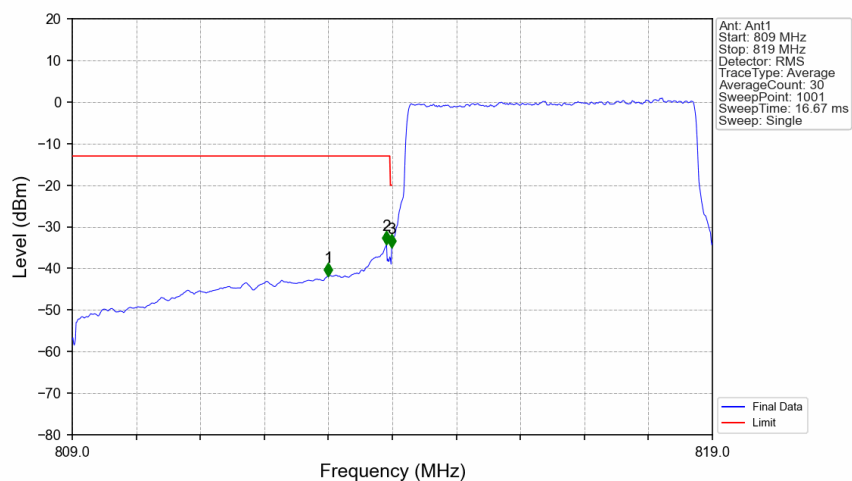
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.600	-65.42	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	863.350	-54.49	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_816.5MHz_Edge_1RB_Left_Ant1



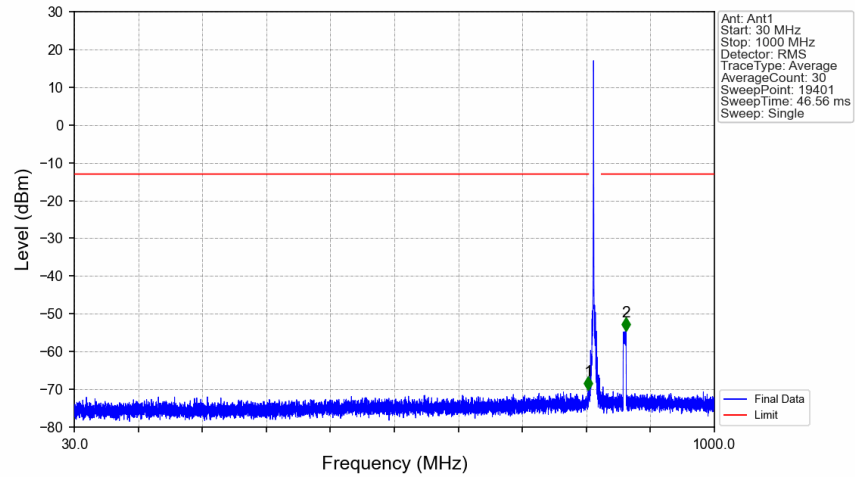
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	4051.000	-53.80	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_816.5MHz_Outer_Full_Ant1



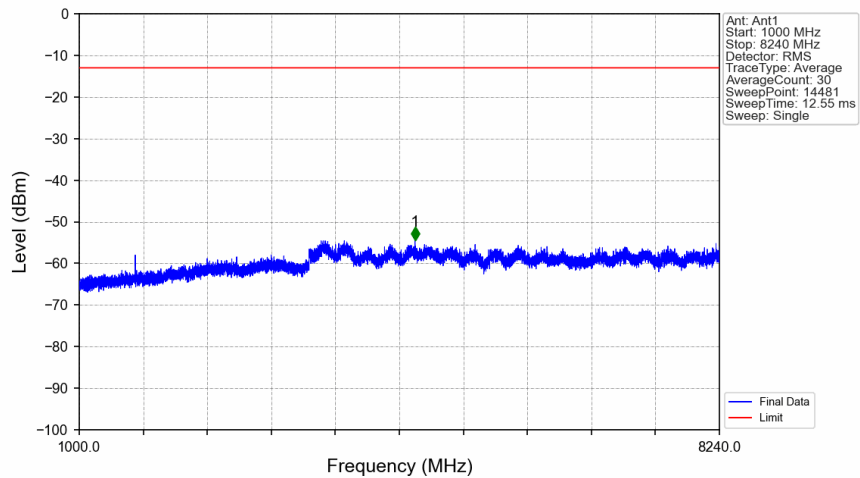
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	813.000	-41.89	-13	Pass
813	813.963	0.1	CHP	2	813.910	-34.27	-13	Pass
813.963	814	0.04977	CHP	3	813.990	-34.92	-20	Pass
814	819	0.04977	CHP	/	/	/	/	/

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant1



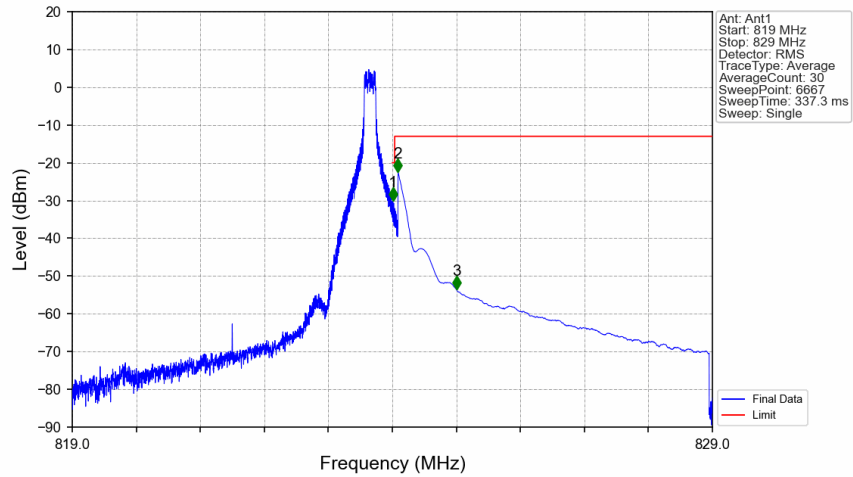
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	808.750	-70.17	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	865.950	-54.48	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant1



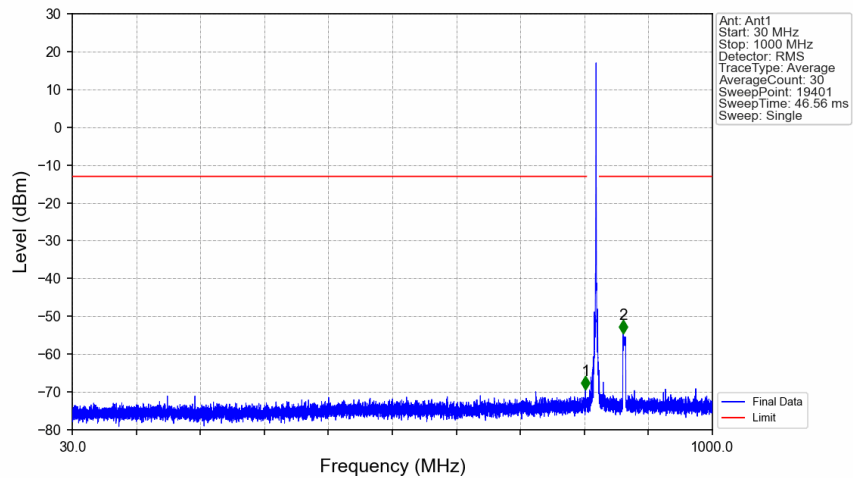
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	4797.000	-54.36	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant1



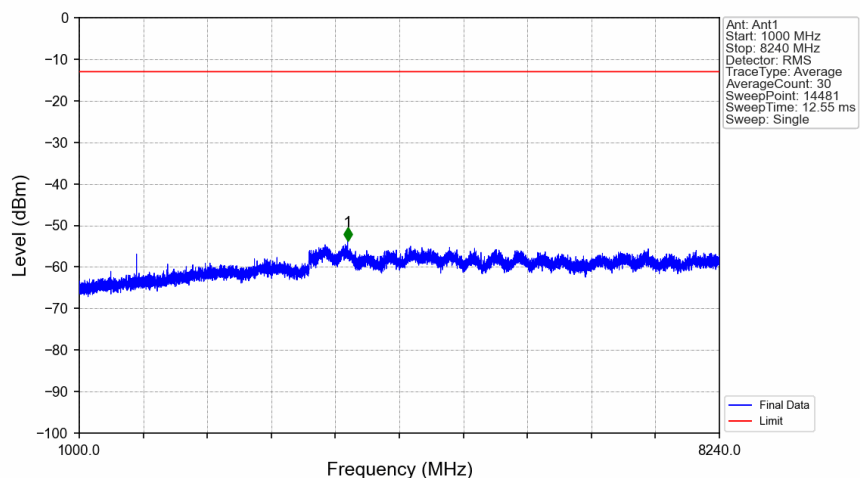
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.008	-30.07	-20	Pass
824.038	825	0.1	CHP	2	824.089	-22.42	-13	Pass
825	829	0.1	CHP	3	825.001	-53.57	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant1



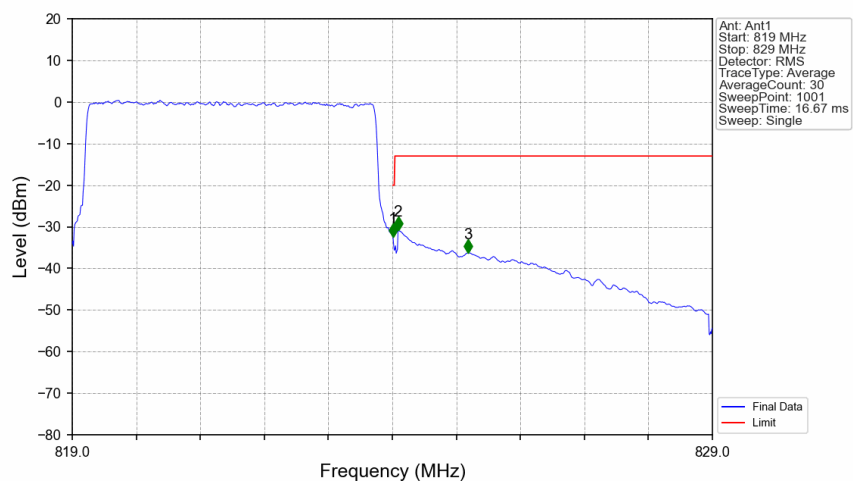
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	807.600	-69.42	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	864.800	-54.44	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant1



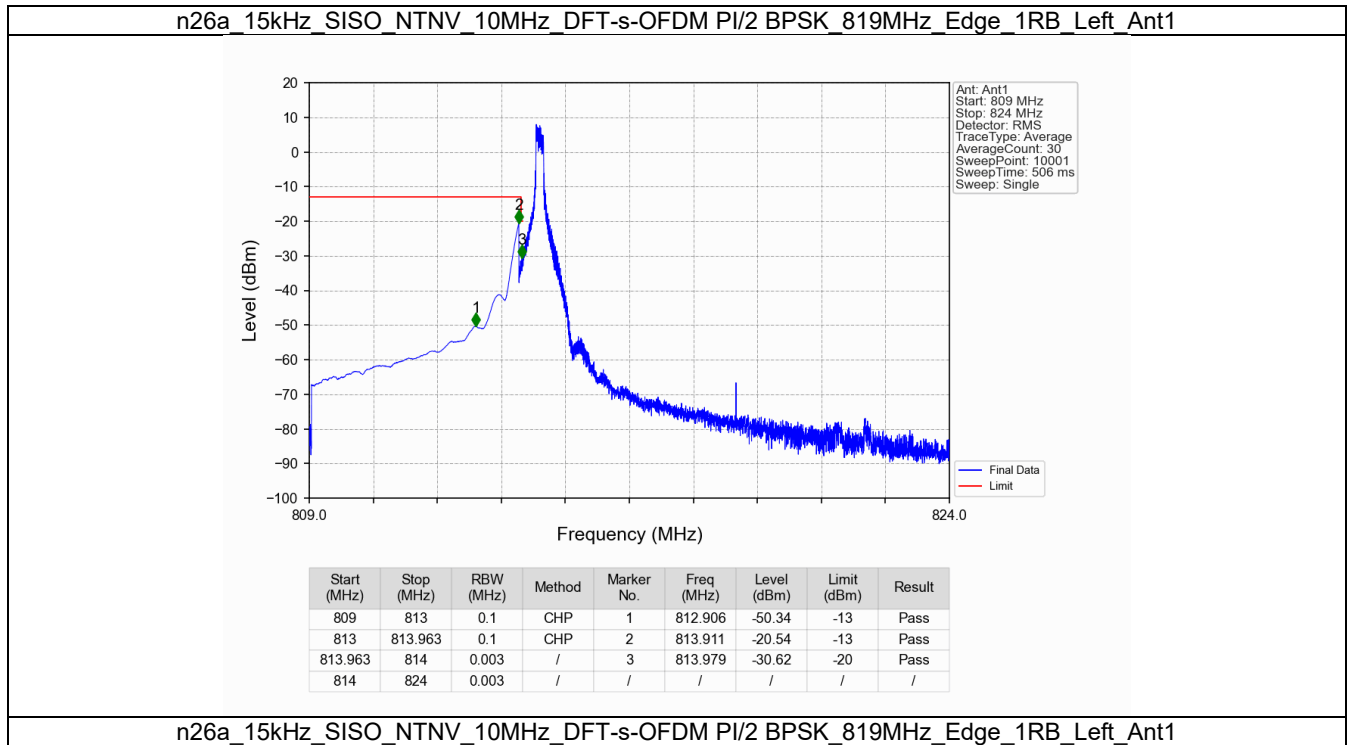
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	4035.000	-53.72	-13	Pass

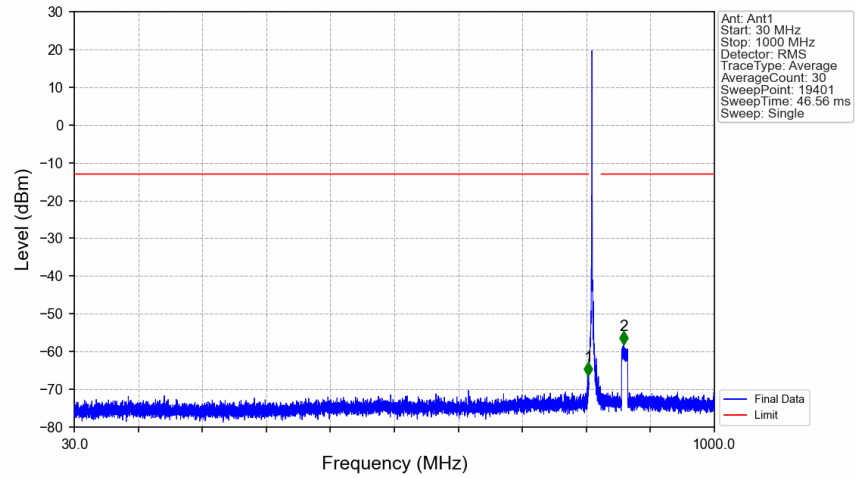
n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_821.5MHz_Outer_Full_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.04977	CHP	/	/	/	/	/
824	824.038	0.04977	CHP	1	824.010	-32.37	-20	Pass
824.038	825	0.1	CHP	2	824.090	-30.70	-13	Pass
825	829	0.1	CHP	3	825.180	-36.28	-13	Pass

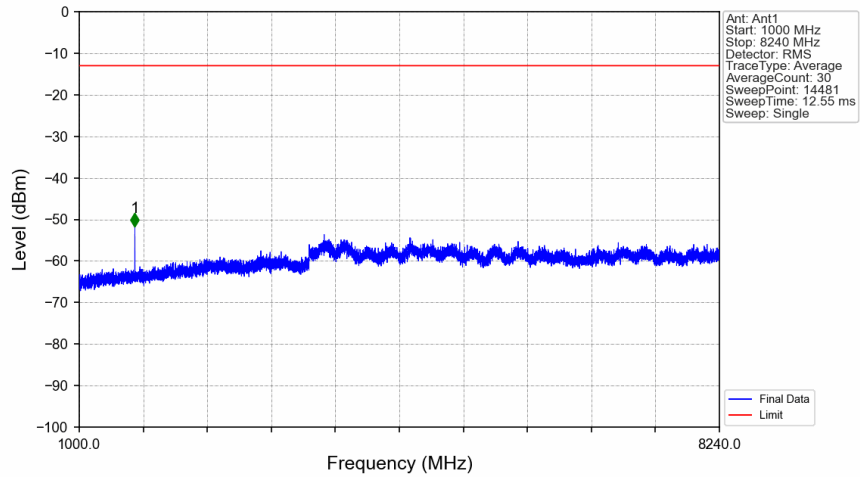
5.2.2 15_S_10M_NTNV





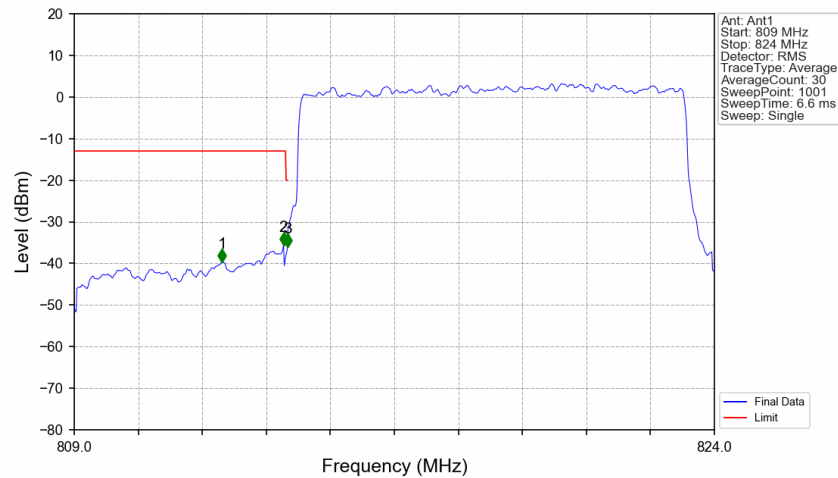
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.700	-66.33	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	862.250	-58.06	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Edge_1RB_Left_Ant1



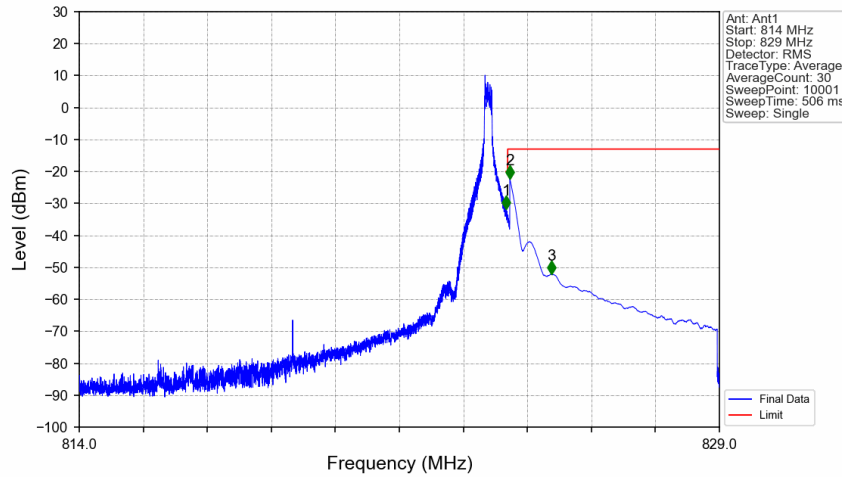
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	1629.000	-51.66	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Outer_Full_Ant1



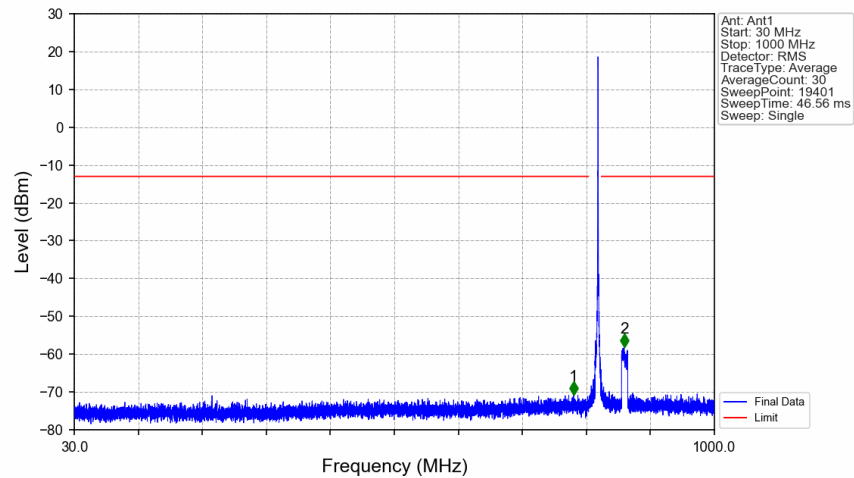
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.465	-39.67	-13	Pass
813	813.963	0.1	CHP	2	813.905	-35.64	-13	Pass
813.963	814	0.09472	CHP	3	813.995	-36.13	-20	Pass
814	824	0.09472	CHP	/	/	/	/	/

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Edge_1RB_Right_Ant1



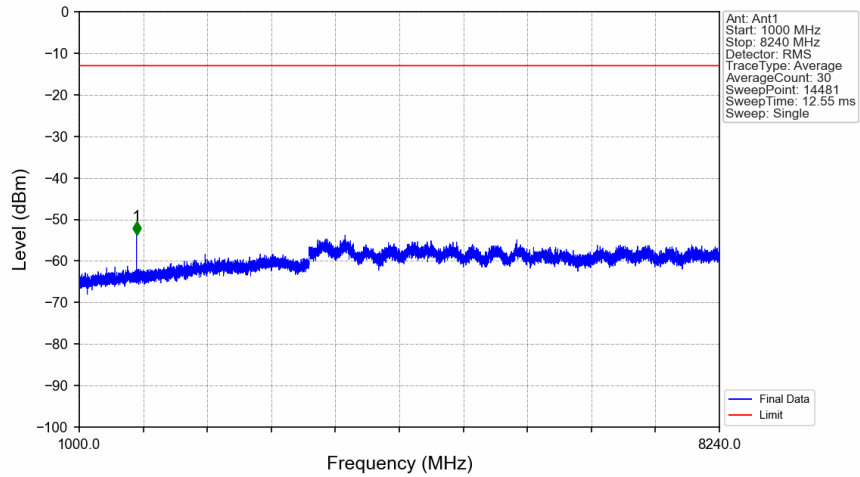
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.005	-31.70	-20	Pass
824.038	825	0.1	CHP	2	824.089	-22.21	-13	Pass
825	829	0.1	CHP	3	825.072	-52.03	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Edge_1RB_Right_Ant1



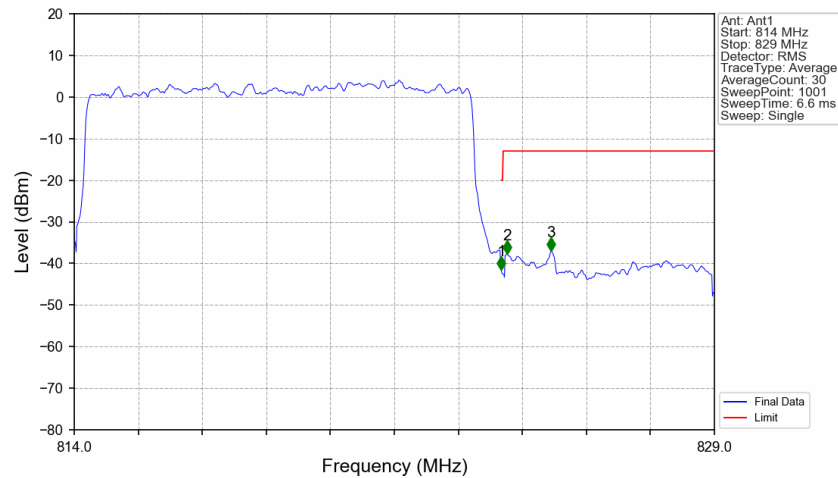
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	786.600	-70.81	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	863.200	-58.15	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Edge_1RB_Right_Ant1



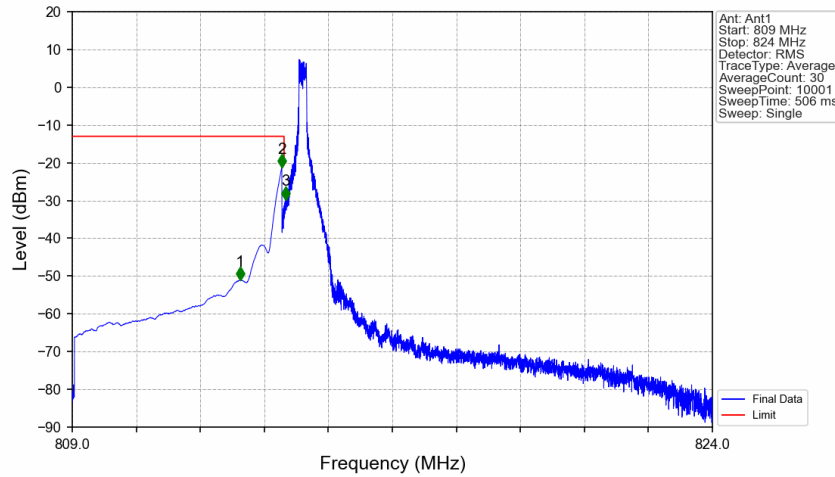
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	1647.000	-53.74	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Outer_Full_Ant1



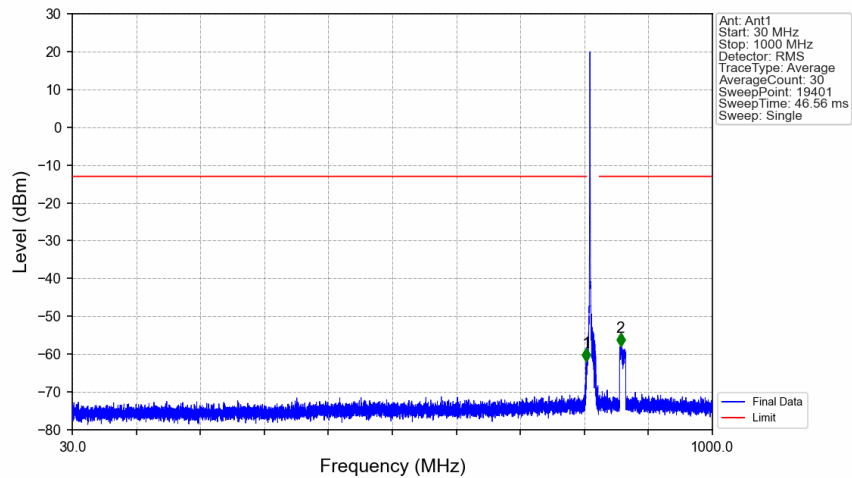
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.09518	CHP	/	/	/	/	/
824	824.038	0.09518	CHP	1	824.005	-41.57	-20	Pass
824.038	825	0.1	CHP	2	824.140	-37.75	-13	Pass
825	829	0.1	CHP	3	825.175	-37.00	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_819MHz_Edge_1RB_Left_Ant1



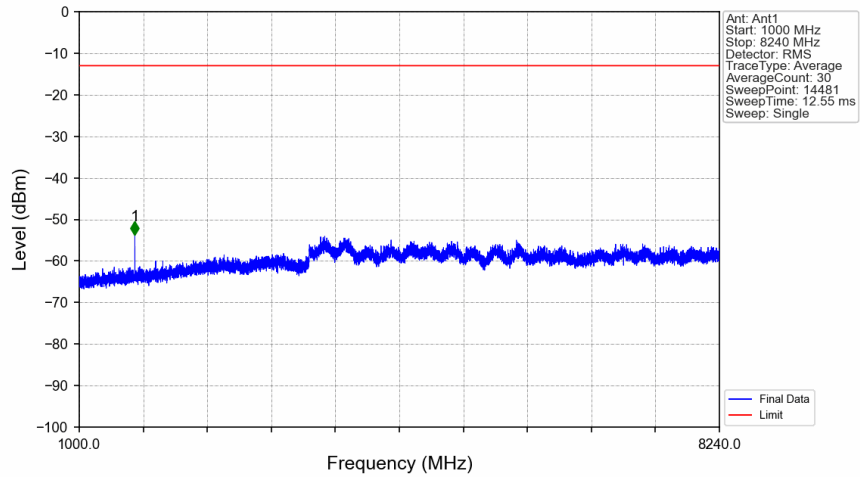
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.934	-50.98	-13	Pass
813	813.963	0.1	CHP	2	813.911	-21.13	-13	Pass
813.963	814	0.003	/	3	813.994	-29.73	-20	Pass
814	824	0.003	/	/	/	/	/	/

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_819MHz_Edge_1RB_Left_Ant1



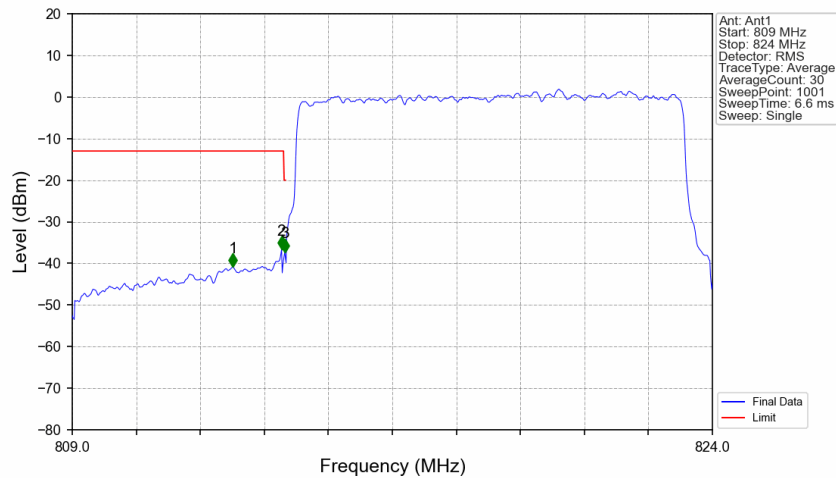
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.750	-61.89	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	860.700	-57.95	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_819MHz_Edge_1RB_Left_Ant1



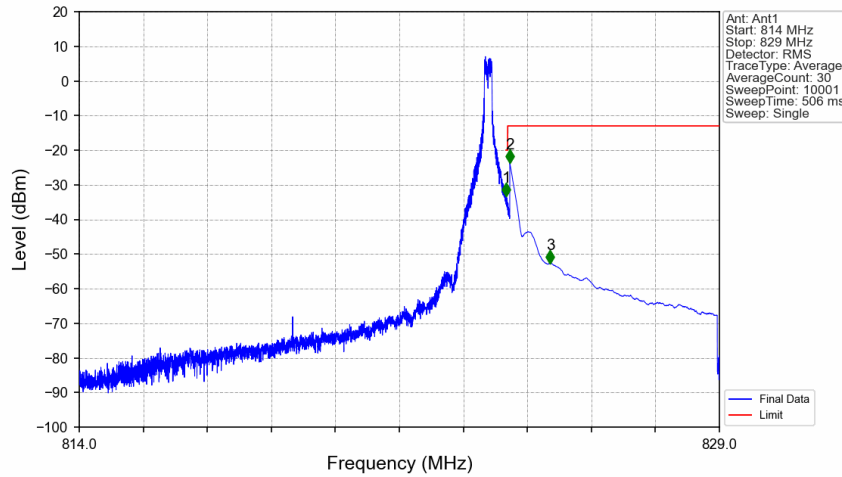
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	1628.500	-53.60	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_819MHz_Outer_Full_Ant1



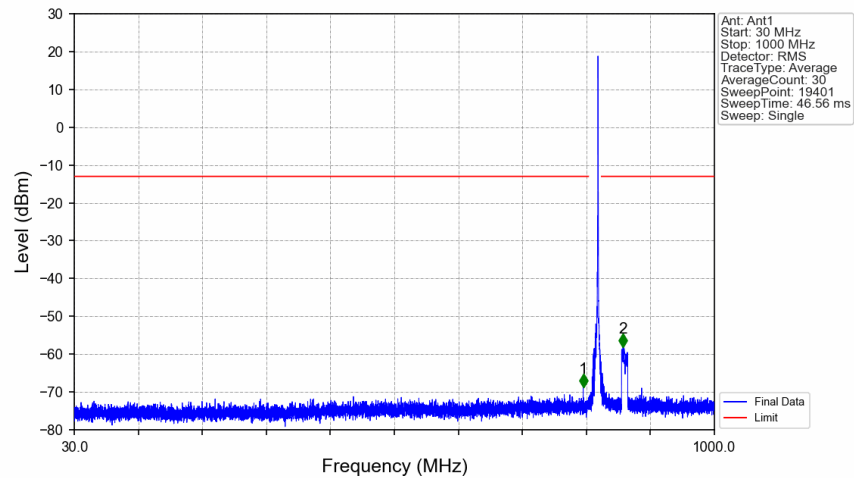
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.765	-40.85	-13	Pass
813	813.963	0.1	CHP	2	813.905	-36.57	-13	Pass
813.963	814	0.09518	CHP	3	813.980	-37.23	-20	Pass
814	824	0.09518	CHP	/	/	/	/	/

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_819MHz_Edge_1RB_Right_Ant1



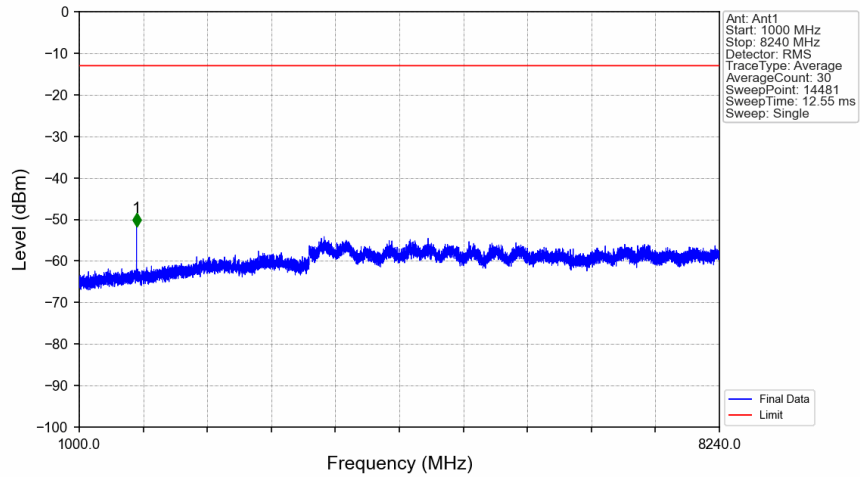
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.004	-33.22	-20	Pass
824.038	825	0.1	CHP	2	824.089	-23.73	-13	Pass
825	829	0.1	CHP	3	825.037	-52.69	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_819MHz_Edge_1RB_Right_Ant1



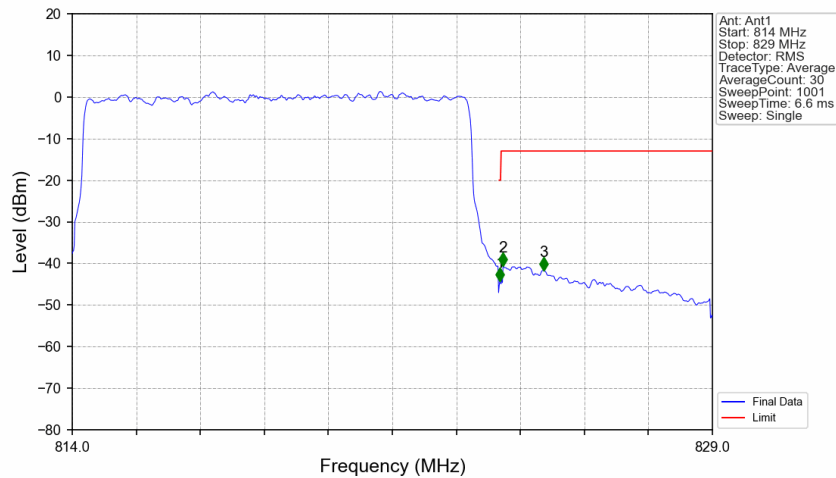
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	801.150	-68.64	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	861.450	-58.02	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_819MHz_Edge_1RB_Right_Ant1



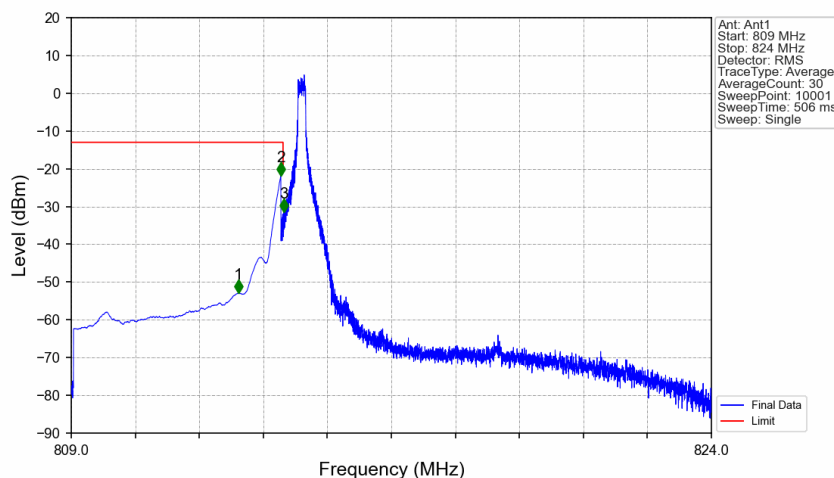
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	1647.000	-51.71	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_819MHz_Outer_Full_Ant1



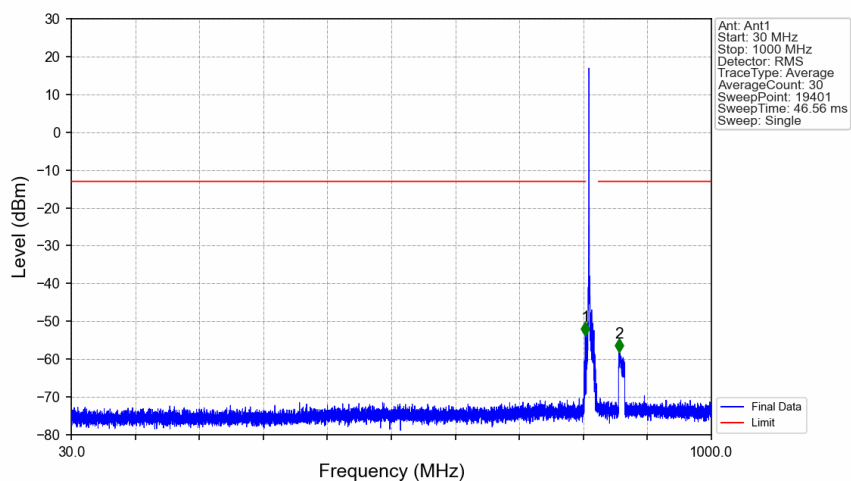
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.09518	CHP	/	/	/	/	/
824	824.038	0.09518	CHP	1	824.020	-44.18	-20	Pass
824.038	825	0.1	CHP	2	824.095	-40.54	-13	Pass
825	829	0.1	CHP	3	825.040	-41.67	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_819MHz_Edge_1RB_Left_Ant1



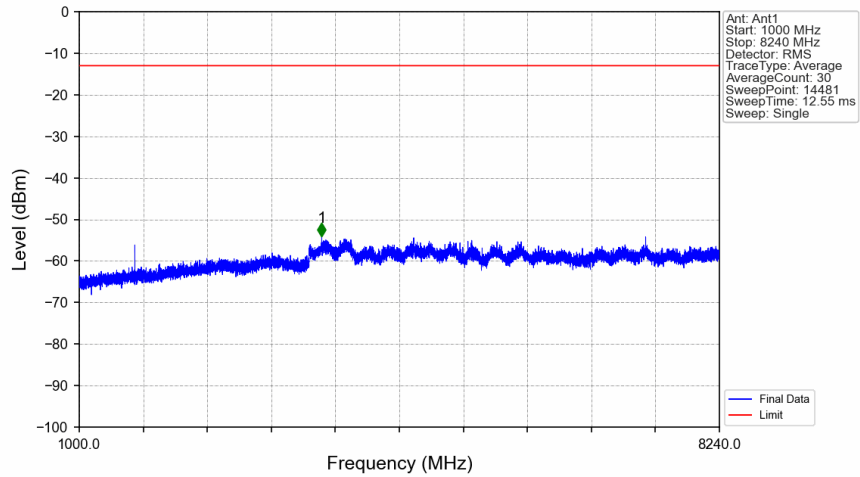
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.915	-52.95	-13	Pass
813	813.963	0.1	CHP	2	813.911	-21.89	-13	Pass
813.963	814	0.003	/	3	813.980	-31.36	-20	Pass
814	824	0.003	/	/	/	/	/	/

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_819MHz_Edge_1RB_Left_Ant1



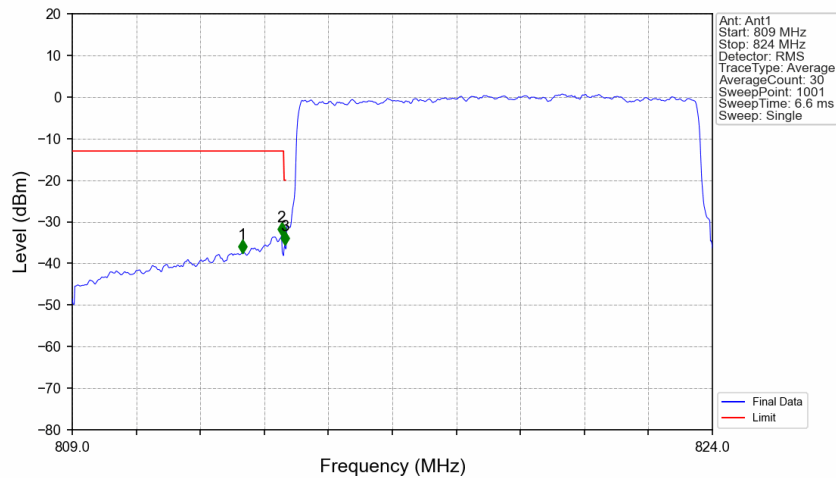
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.800	-53.64	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	860.000	-58.08	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_819MHz_Edge_1RB_Left_Ant1



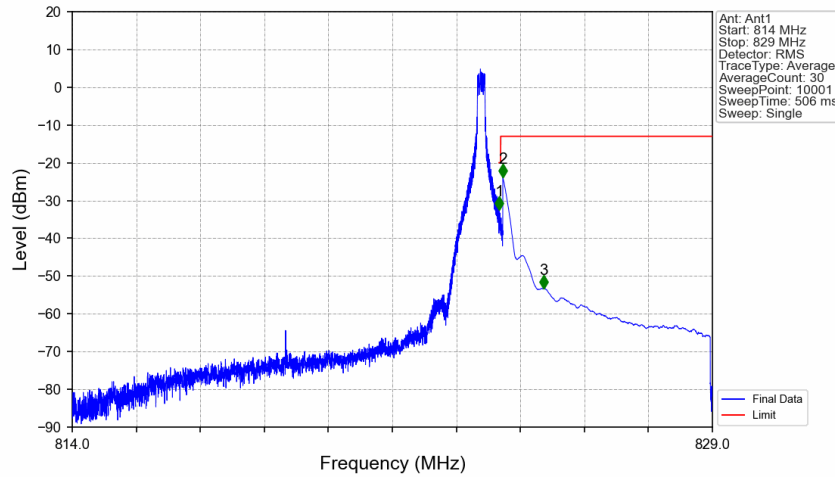
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	3742.500	-54.07	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_819MHz_Outer_Full_Ant1



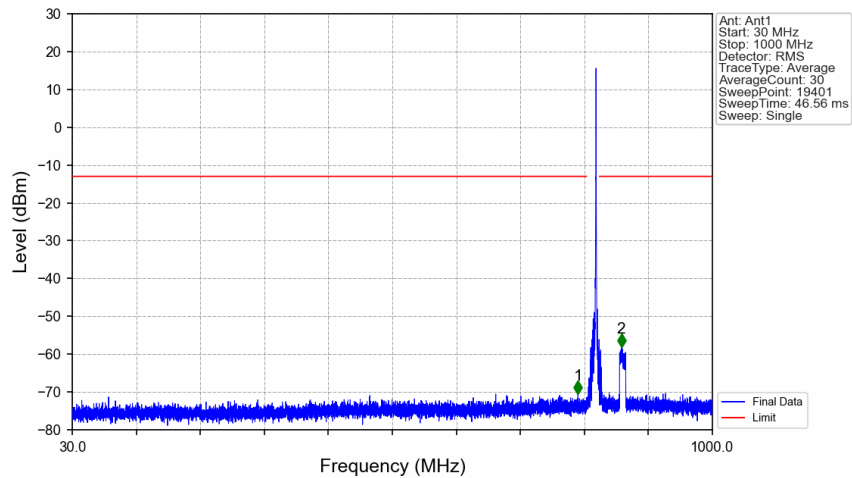
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.990	-37.47	-13	Pass
813	813.963	0.1	CHP	2	813.905	-33.27	-13	Pass
813.963	814	0.09948	CHP	3	813.980	-35.58	-20	Pass
814	824	0.09948	CHP	/	/	/	/	/

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_819MHz_Edge_1RB_Right_Ant1



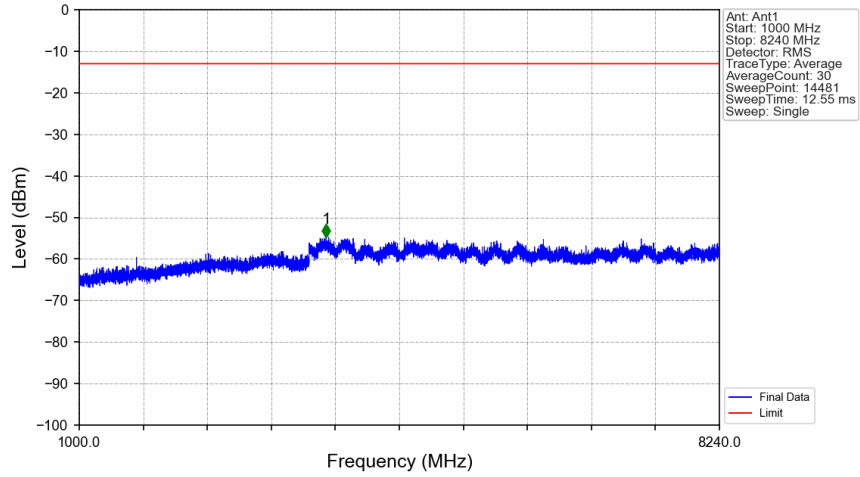
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.008	-32.44	-20	Pass
824.038	825	0.1	CHP	2	824.089	-23.75	-13	Pass
825	829	0.1	CHP	3	825.051	-53.20	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_819MHz_Edge_1RB_Right_Ant1



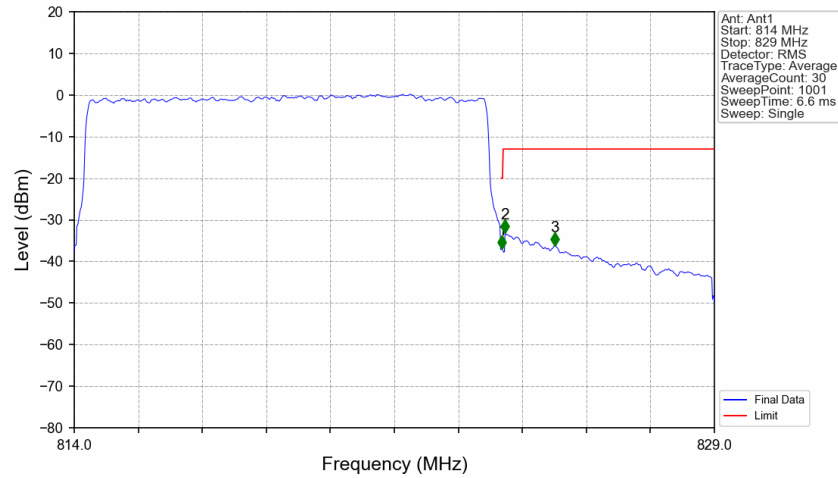
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	796.250	-70.48	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	861.850	-58.19	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_819MHz_Edge_1RB_Right_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8240	1	/	1	3794.000	-54.70	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_819MHz_Outer_Full_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.09518	CHP	/	/	/	/	/
824	824.038	0.09518	CHP	1	824.020	-36.96	-20	Pass
824.038	825	0.1	CHP	2	824.095	-33.16	-13	Pass
825	829	0.1	CHP	3	825.250	-36.23	-13	Pass



6. Frequency Stability (IC)

6.1 Test Result

6.1.1 15_S_10M

5G NR n26a SCS=15kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	OBW (FL - FH) (MHz)		Limit	Verdict
					FL	FH		
DFT-s-OFDM QPSK	819	Outer_Full	20	LV	814.314	823.329	814 to 824	Pass
				HV	814.316	823.329	814 to 824	Pass
			-30	NV	814.313	823.340	814 to 824	Pass
			-20	NV	814.315	823.333	814 to 824	Pass
			-10	NV	814.316	823.328	814 to 824	Pass
			0	NV	814.315	823.328	814 to 824	Pass
			10	NV	814.314	823.333	814 to 824	Pass
			20	NV	814.316	823.328	814 to 824	Pass
			30	NV	814.317	823.342	814 to 824	Pass
			40	NV	814.315	823.329	814 to 824	Pass
			50	NV	814.316	823.331	814 to 824	Pass

---End of Attachment---